

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032719\
 Data File : BN004996.D
 Acq On : 27 Mar 2019 15:43
 Operator : JU/SJ
 Sample : K1560-03
 Misc : MDL 8 PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT1-2019

Quant Time: Mar 28 04:48:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-BN032619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 27 05:27:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	8046	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	32075	20.00	ng	0.00
39) Acenaphthene-d10	14.32	164	17691	20.00	ng	0.00
64) Phenanthrene-d10	17.07	188	37984	20.00	ng	0.00
76) Chrysene-d12	21.27	240	41644	20.00	ng	0.00
87) Perylene-d12	23.50	264	45939	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	62135	133.51	ng	0.00
7) Phenol-d6	6.85	99	79003	127.99	ng	0.00
23) Nitrobenzene-d5	8.84	82	49391	93.15	ng	0.00
42) 2,4,6-Tribromophenol	15.82	330	39273	137.64	ng	0.00
45) 2-Fluorobiphenyl	12.93	172	127511	95.51	ng	0.00
79) Terphenyl-d14	19.70	244	191431	88.50	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.21	88	1255	7.400	ng	# 76
3) Pyridine	3.60	79	2975	6.277	ng	98
4) n-Nitrosodimethylamine	3.53	42	697	4.511	ng	# 82
6) Aniline	7.01	93	5399	6.869	ng	99
8) 2-Chlorophenol	7.24	128	4179	7.074	ng	98
9) Benzaldehyde	6.83	77	2755	7.767	ng	98
10) Phenol	6.88	94	4581	6.926	ng	97
11) bis(2-Chloroethyl)ether	7.11	93	3556	6.952	ng	96
12) 1,3-Dichlorobenzene	7.56	146	4743	7.369	ng	99
13) 1,4-Dichlorobenzene	7.71	146	4688	7.195	ng	97
14) 1,2-Dichlorobenzene	8.02	146	4558	7.310	ng	98
15) Benzyl Alcohol	7.92	79	2702	5.754	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.20	45	4477	7.255	ng	85
17) 2-Methylphenol	8.12	107	3035	6.582	ng	99
18) Hexachloroethane	8.73	117	1539	6.664	ng	96
19) n-Nitroso-di-n-propylamine	8.48	70	2638	6.519	ng	# 95
20) 3+4-Methylphenols	8.45	107	3935	6.285	ng	100
22) Acetophenone	8.50	105	5507	7.521	ng	99
24) Nitrobenzene	8.88	77	4109	7.657	ng	99
25) Isophorone	9.39	82	7223	6.992	ng	99
26) 2-Nitrophenol	9.59	139	1873	6.011	ng	98
27) 2,4-Dimethylphenol	9.64	122	3039	7.005	ng	98
28) bis(2-Chloroethoxy)methane	9.88	93	4779	7.467	ng	99
29) 2,4-Dichlorophenol	10.12	162	3506	7.032	ng	99
30) 1,2,4-Trichlorobenzene	10.32	180	4309	7.846	ng	97
31) Naphthalene	10.50	128	13380	7.995	ng	100
32) Benzoic acid	9.73	122	510	6.993	ng	97
33) 4-Chloroaniline	10.63	127	4864	7.144	ng	98
34) Hexachlorobutadiene	10.78	225	2743	7.719	ng	98
35) Caprolactam	11.40	113	522	3.197	ng	94
36) 4-Chloro-3-methylphenol	11.76	107	3609	6.701	ng	99
37) 2-Methylnaphthalene	12.13	142	9036	7.646	ng	99
38) 1-Methylnaphthalene	12.35	142	8988	7.773	ng	# 100
40) 1,2,4,5-Tetrachlorobenzene	12.49	216	5012	7.987	ng	# 96

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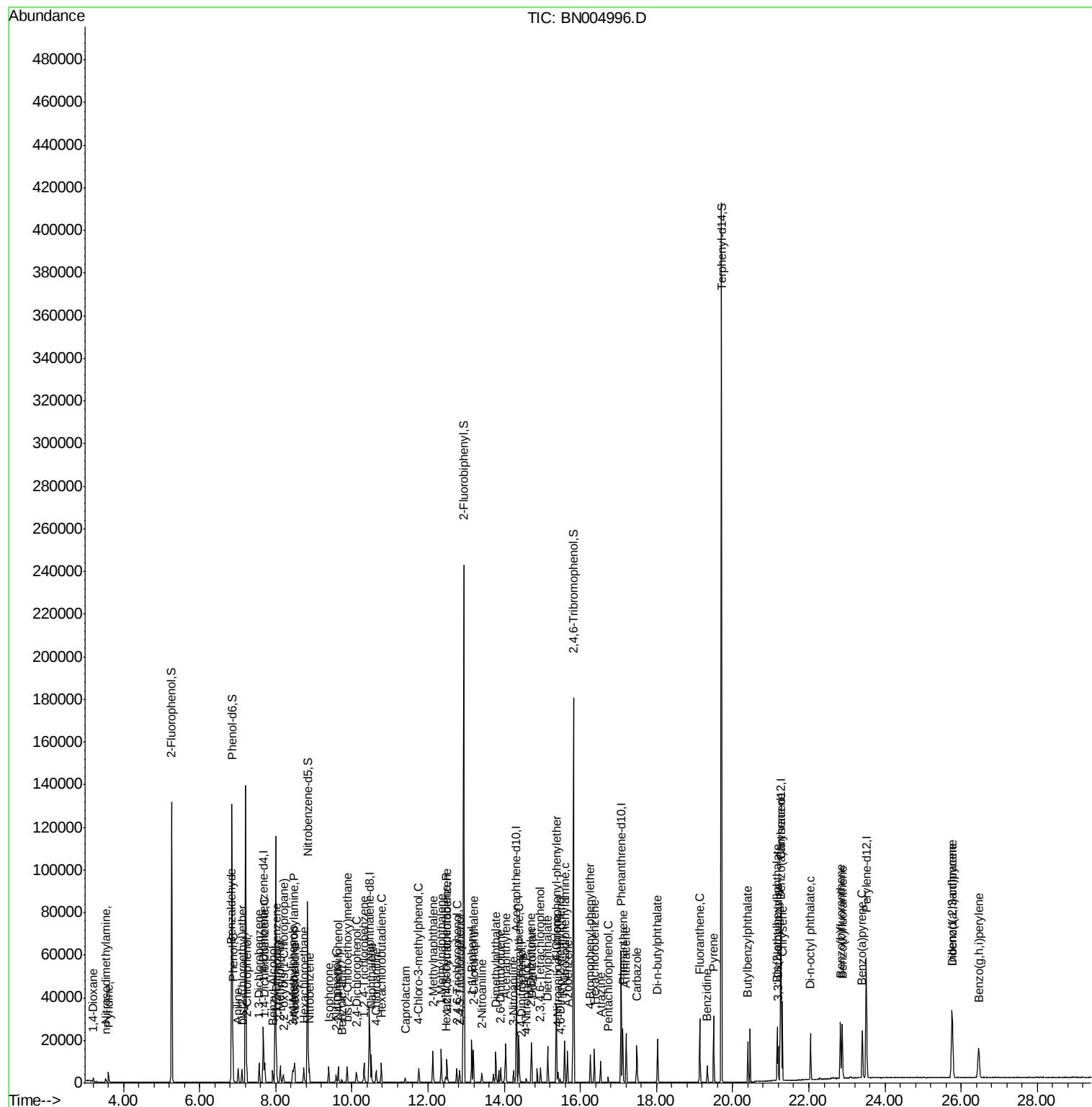
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.46	237	1655	8.889	ng	92
43) 2,4,6-Trichlorophenol	12.75	196	2542	6.529	ng	100
44) 2,4,5-Trichlorophenol	12.83	196	2728	6.431	ng	97
46) 1,1'-Biphenyl	13.15	154	12149	8.114	ng	99
47) 2-Chloronaphthalene	13.19	162	9079	7.902	ng	99
48) 2-Nitroaniline	13.41	65	1804	5.898	ng	94
49) Acenaphthylene	14.04	152	14977	7.750	ng	99
50) Dimethylphthalate	13.77	163	11090	7.630	ng	100
51) 2,6-Dinitrotoluene	13.91	165	2262	6.839	ng	99
52) Acenaphthene	14.38	154	8694	7.997	ng	98
53) 3-Nitroaniline	14.25	138	2015	5.961	ng #	95
54) 2,4-Dinitrophenol	14.46	184	221	8.228	ng #	24
55) Dibenzofuran	14.72	168	13775	7.963	ng	99
56) 4-Nitrophenol	14.57	139	962	3.613	ng	96
57) 2,4-Dinitrotoluene	14.70	165	2868	6.381	ng #	94
58) Fluorene	15.37	166	11066	7.919	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.95	232	2413	6.136	ng #	92
60) Diethylphthalate	15.15	149	10748	7.411	ng	99
61) 4-Chlorophenyl-phenylether	15.36	204	5655	7.844	ng	98
62) 4-Nitroaniline	15.41	138	1878	5.530	ng	98
63) Azobenzene	15.66	77	9066	7.509	ng	98
65) 4,6-Dinitro-2-methylphenol	15.47	198	1118	7.237	ng #	71
66) n-Nitrosodiphenylamine	15.59	169	9352	7.816	ng	99
67) 4-Bromophenyl-phenylether	16.26	248	3574	7.540	ng	95
68) Hexachlorobenzene	16.37	284	4327	7.792	ng	99
69) Atrazine	16.53	200	2997	7.011	ng	99
70) Pentachlorophenol	16.73	266	1108	3.795	ng	95
71) Phenanthrene	17.11	178	17250	8.082	ng	99
72) Anthracene	17.20	178	16413	7.726	ng	100
73) Carbazole	17.48	167	14715	7.610	ng	99
74) Di-n-butylphthalate	18.03	149	16046	6.812	ng	99
75) Fluoranthene	19.13	202	19121	7.853	ng	100
77) Benzidine	19.33	184	7402	5.703	ng	100
78) Pyrene	19.50	202	20155	7.248	ng	99
80) Butylbenzylphthalate	20.40	149	6703	5.933	ng	97
81) Benzo(a)anthracene	21.25	228	20546	7.921	ng	99
82) 3,3'-Dichlorobenzidine	21.19	252	7217	7.440	ng	100
83) Chrysene	21.30	228	19893	8.029	ng	100
84) Bis(2-ethylhexyl)phthalate	21.17	149	9987	6.388	ng	99
85) Di-n-octyl phthalate	22.05	149	17661	7.000	ng #	97
86) Indeno(1,2,3-cd)pyrene	25.76	276	25651	9.113	ng	98
88) Benzo(b)fluoranthene	22.83	252	21127	7.471	ng	99
89) Benzo(k)fluoranthene	22.87	252	20442	7.883	ng	99
90) Benzo(a)pyrene	23.41	252	19848	7.670	ng	99
91) Dibenzo(a,h)anthracene	25.77	278	21173	8.150	ng	99
92) Benzo(g,h,i)perylene	26.46	276	20948	8.154	ng	99

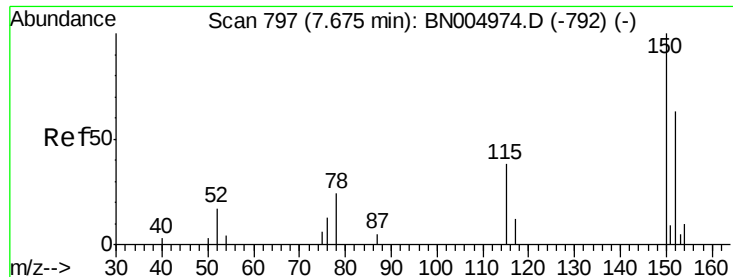
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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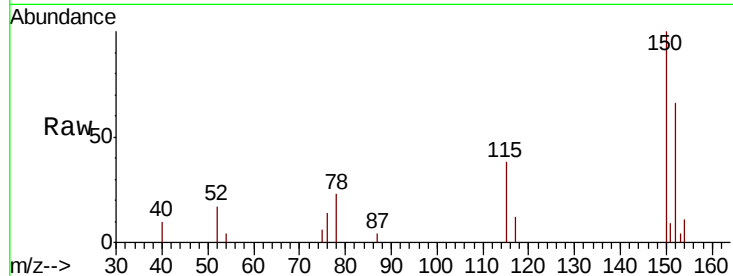


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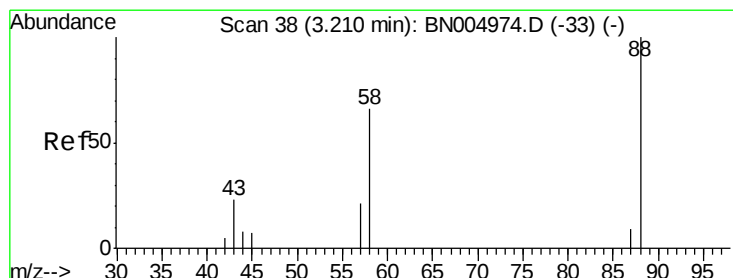
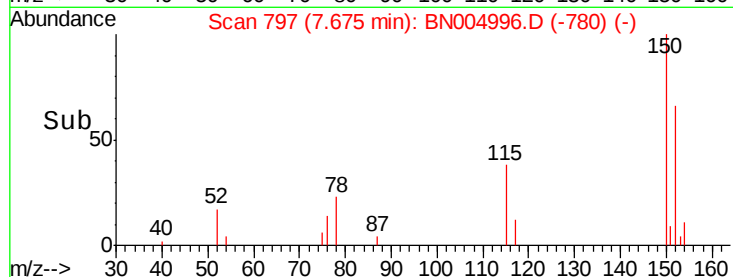
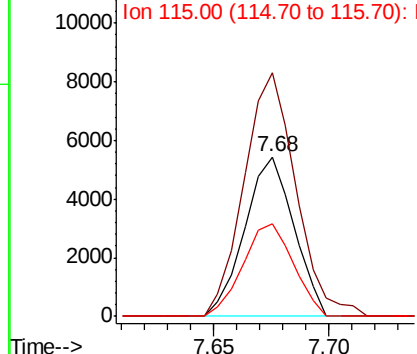
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.68 min Scan# 797
Delta R.T. 0.00 min
Lab File: BN004996.D
Acq: 27 Mar 2019 15:43

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BNA_N
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MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:152 Resp: 8046
Ion Ratio Lower Upper
152 100
150 152.6 126.9 190.3
115 58.0 47.8 71.6



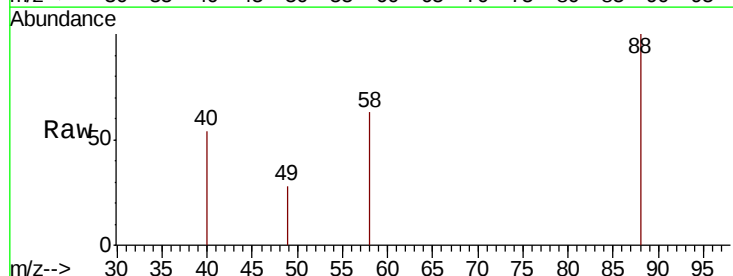
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



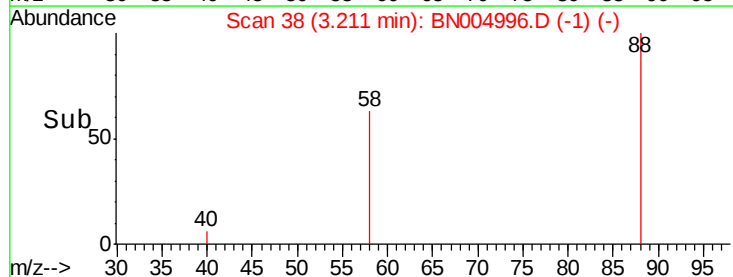
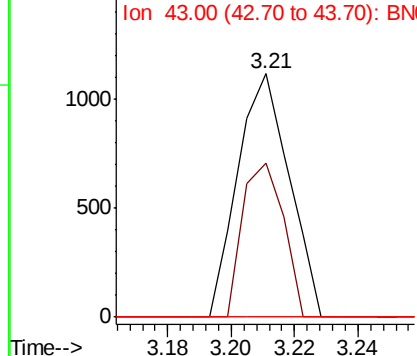
#2

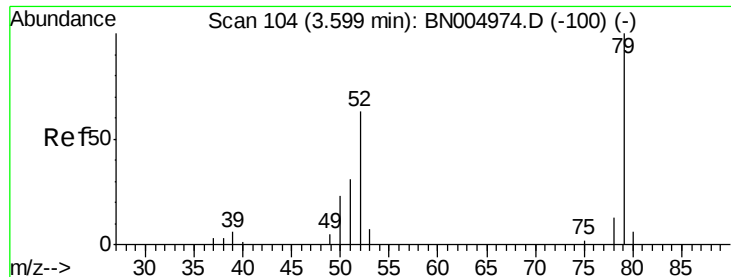
1,4-Dioxane
Concen: 7.400 ng
RT: 3.21 min Scan# 38
Delta R.T. 0.00 min
Lab File: BN004996.D
Acq: 27 Mar 2019 15:43

Tgt Ion: 88 Resp: 1255
Ion Ratio Lower Upper
88 100
58 50.1 51.0 76.6#
43 0.0 16.7 25.1#



Abundance Ion 88.00 (87.70 to 88.70): BNC
Ion 58.00 (57.70 to 58.70): BNC
Ion 43.00 (42.70 to 43.70): BNC





#3

Pyridine

Concen: 6.277 ng

RT: 3.60 min Scan# 105

Delta R.T. 0.01 min

Lab File: BN004996.D

Acq: 27 Mar 2019 15:43

Instrument :

BNA_N

ClientSampleId :

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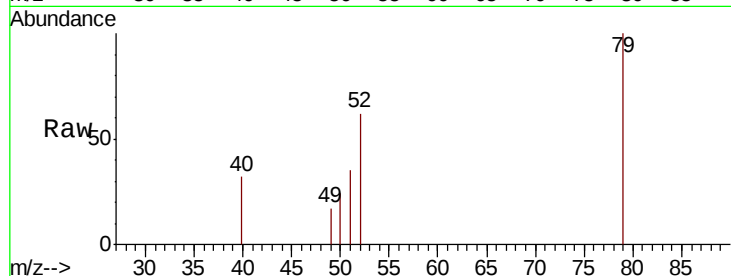
Tgt Ion: 79 Resp: 2975

Ion Ratio Lower Upper

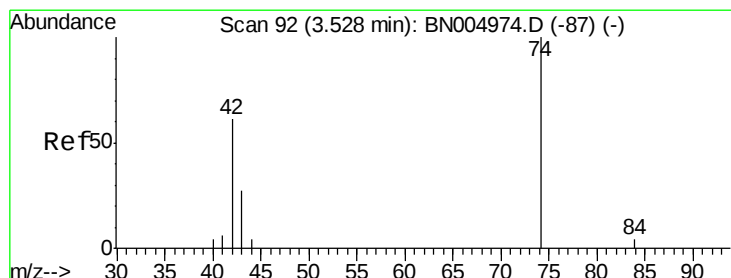
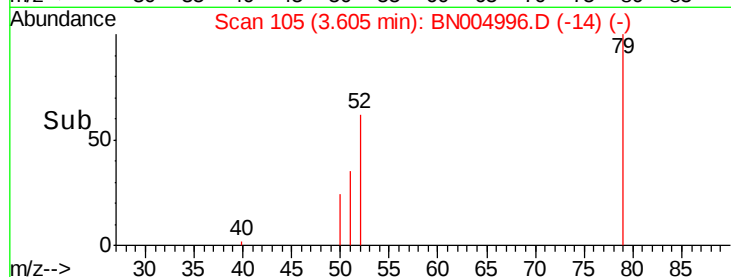
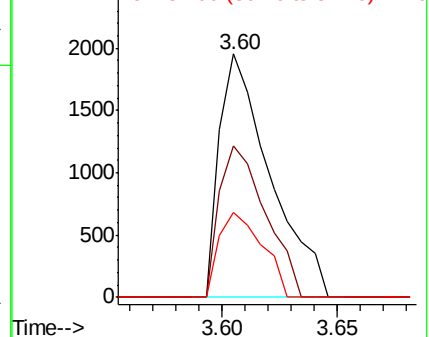
79 100

52 62.5 50.2 75.4

51 34.6 25.0 37.4



Abundance Ion 79.00 (78.70 to 79.70): BN0
Ion 52.00 (51.70 to 52.70): BN0
Ion 51.00 (50.70 to 51.70): BN0



#4

n-Nitrosodimethylamine

Concen: 4.511 ng

RT: 3.53 min Scan# 92

Delta R.T. 0.00 min

Lab File: BN004996.D

Acq: 27 Mar 2019 15:43

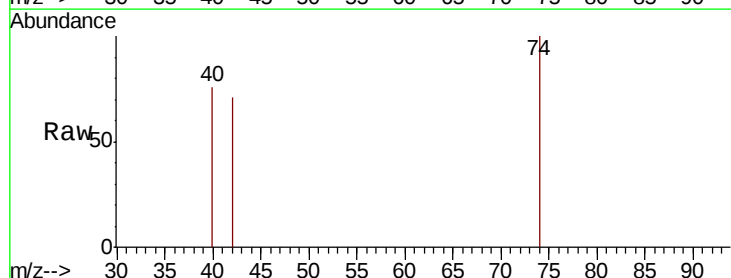
Tgt Ion: 42 Resp: 697

Ion Ratio Lower Upper

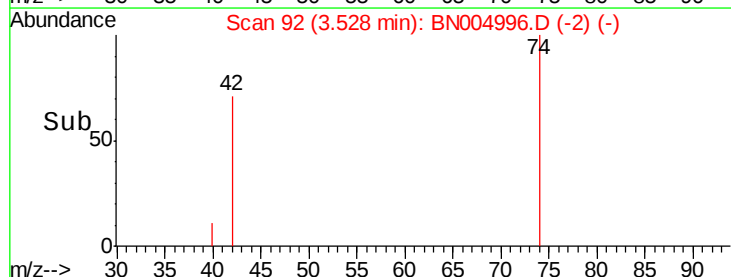
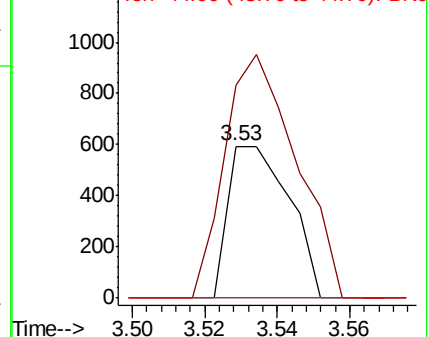
42 100

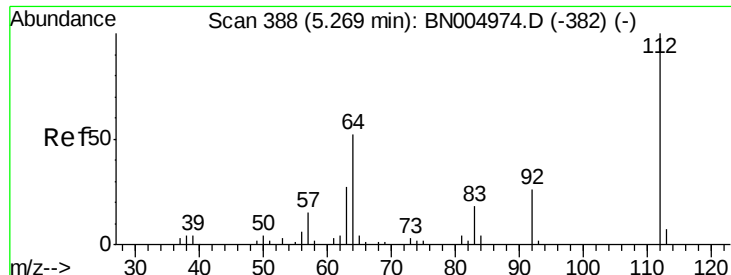
74 140.1 130.8 196.2

44 0.0 5.7 8.5#



Abundance Ion 42.00 (41.70 to 42.70): BN0
Ion 74.00 (73.70 to 74.70): BN0
Ion 44.00 (43.70 to 44.70): BN0





#5

2-Fluorophenol

Concen: 133.514 ng

RT: 5.26 min Scan# 387

Delta R.T. -0.01 min

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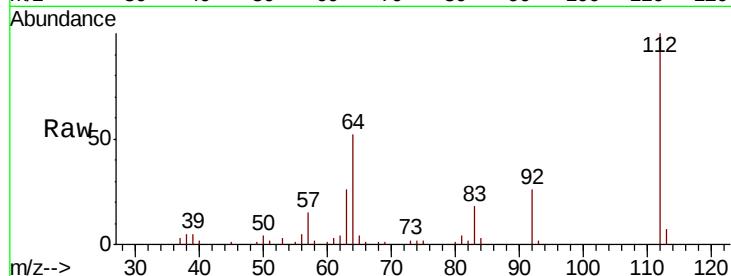
Tgt Ion: 112 Resp: 62135

Ion Ratio Lower Upper

112 100

64 51.8 41.9 62.9

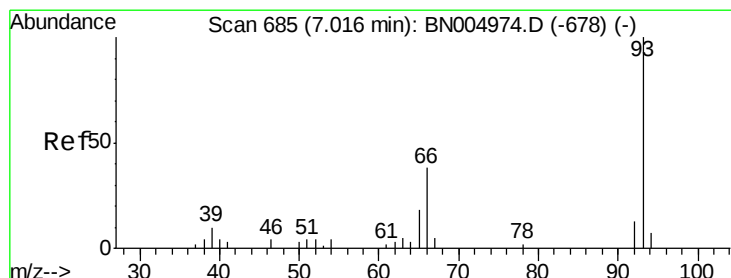
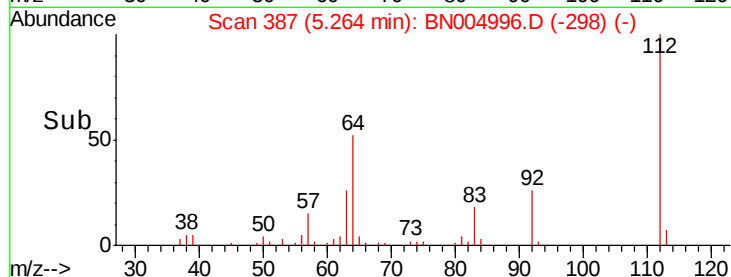
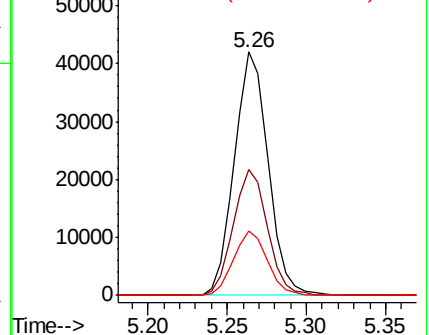
63 26.4 21.4 32.0



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#6

Aniline

Concen: 6.869 ng

RT: 7.01 min Scan# 684

Delta R.T. -0.01 min

Lab File: BN004996.D

Acq: 27 Mar 2019 15:43

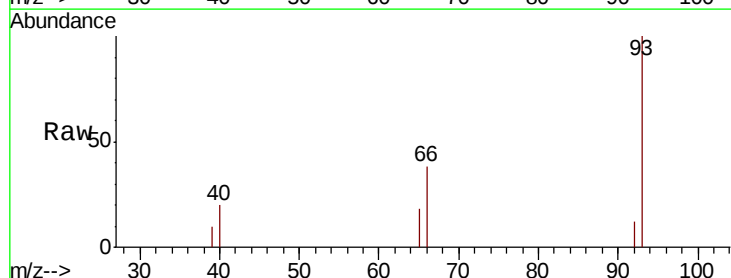
Tgt Ion: 93 Resp: 5399

Ion Ratio Lower Upper

93 100

66 38.3 30.2 45.4

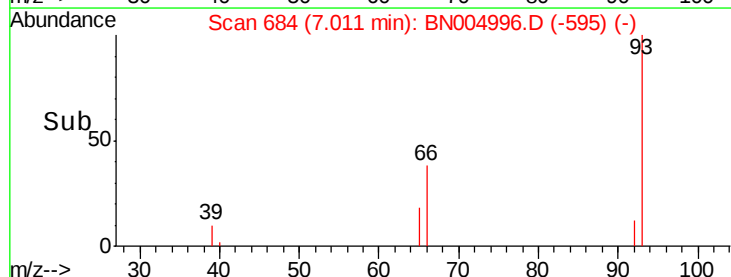
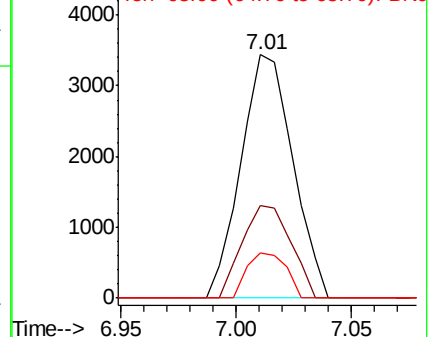
65 18.3 14.7 22.1

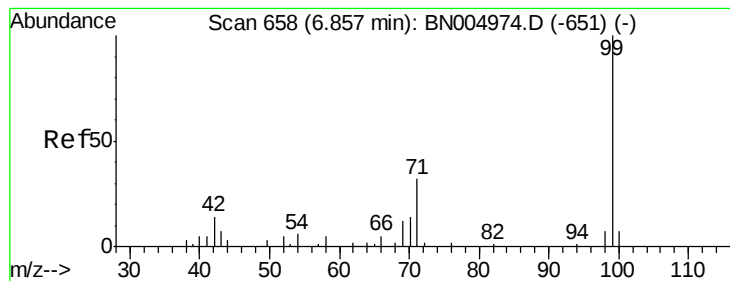


Abundance Ion 93.00 (92.70 to 93.70): B

Ion 66.00 (65.70 to 66.70): B

Ion 65.00 (64.70 to 65.70): B





#7

Phenol-d6

Concen: 127.990 ng

RT: 6.85 min Scan# 657

Delta R.T. -0.01 min

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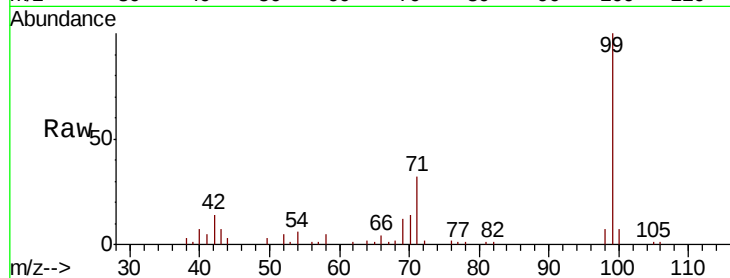
Tgt Ion: 99 Resp: 79003

Ion Ratio Lower Upper

99 100

42 14.1 11.4 17.0

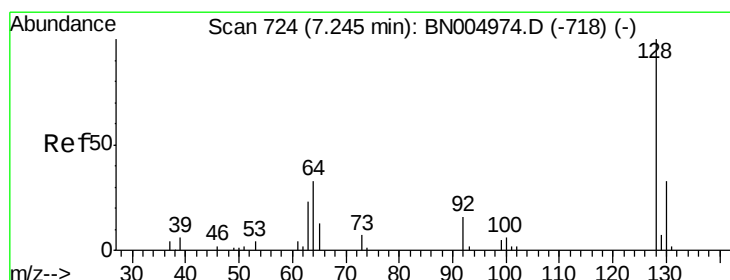
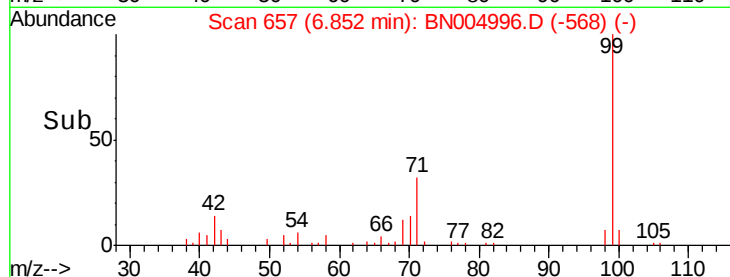
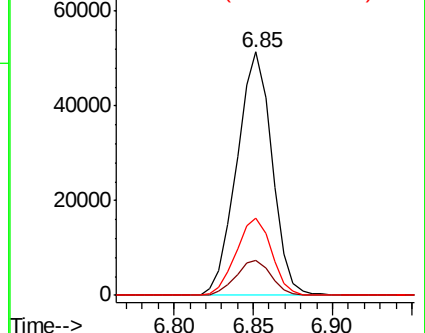
71 32.0 25.8 38.8



Abundance Ion 99.00 (98.70 to 99.70): BN004974.D (-651) (-)

Ion 42.00 (41.70 to 42.70): BN004974.D (-651) (-)

Ion 71.00 (70.70 to 71.70): BN004974.D (-651) (-)



#8

2-Chlorophenol

Concen: 7.074 ng

RT: 7.24 min Scan# 723

Delta R.T. -0.01 min

Lab File: BN004996.D

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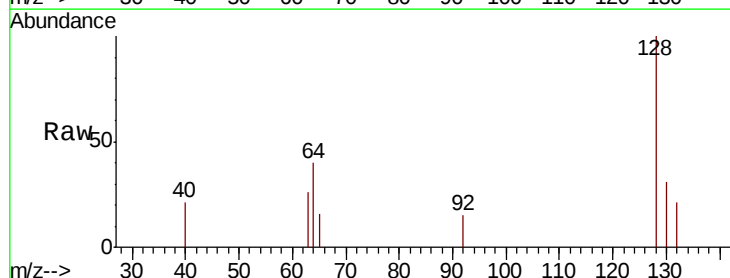
Tgt Ion: 128 Resp: 4179

Ion Ratio Lower Upper

128 100

130 30.8 12.9 52.9

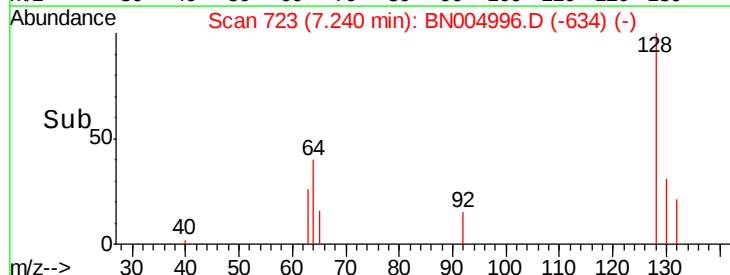
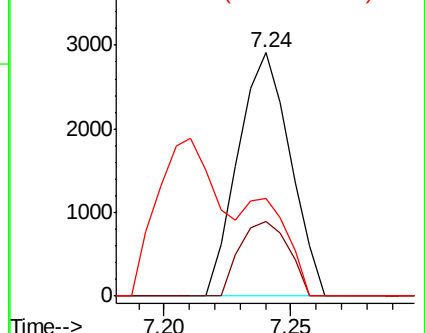
64 40.2 19.9 59.9

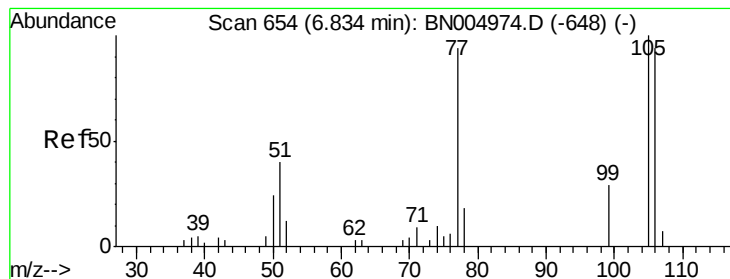


Abundance Ion 128.00 (127.70 to 128.70): BN004974.D (-718) (-)

Ion 130.00 (129.70 to 130.70): BN004974.D (-718) (-)

Ion 64.00 (63.70 to 64.70): BN004974.D (-718) (-)





#9

Benzaldehyde

Concen: 7.767 ng

RT: 6.83 min Scan# 653

Delta R.T. -0.01 min

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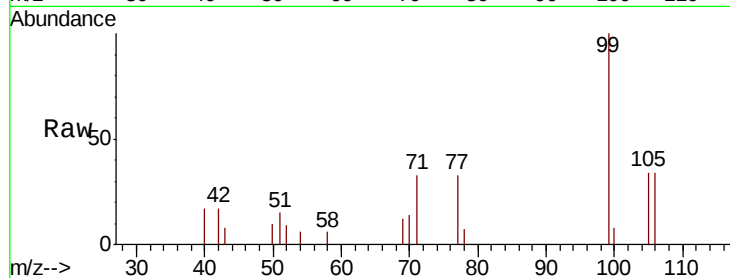
Tgt Ion: 77 Resp: 2755

Ion Ratio Lower Upper

77 100

105 103.0 86.1 126.1

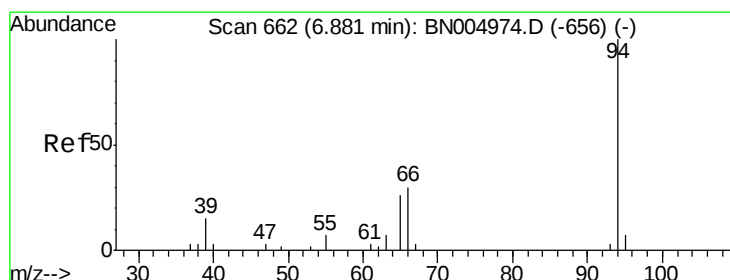
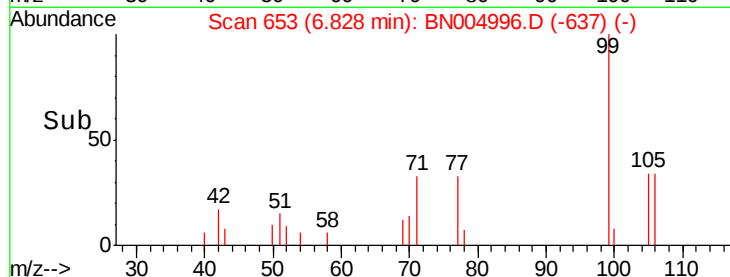
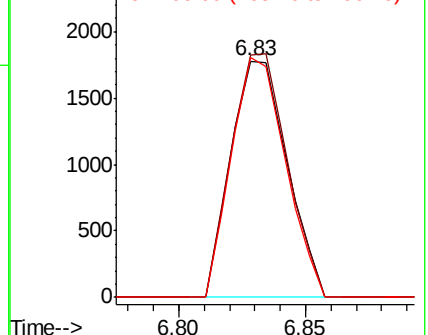
106 101.8 79.9 119.9



Abundance Ion 77.00 (76.70 to 77.70): BN004974.D (-648) (-)

Ion 105.00 (104.70 to 105.70): BN004974.D (-648) (-)

Ion 106.00 (105.70 to 106.70): BN004974.D (-648) (-)



#10

Phenol

Concen: 6.926 ng

RT: 6.88 min Scan# 661

Delta R.T. -0.01 min

Lab File: BN004996.D

Acq: 27 Mar 2019 15:43

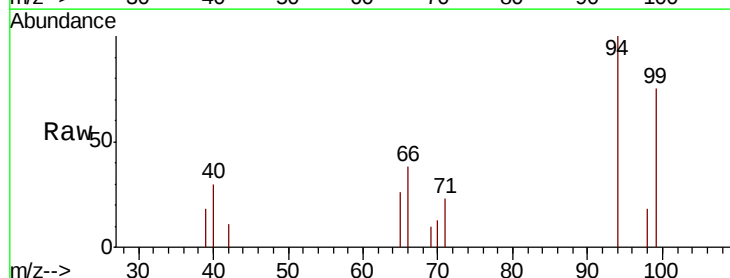
Tgt Ion: 94 Resp: 4581

Ion Ratio Lower Upper

94 100

65 26.4 5.7 45.7

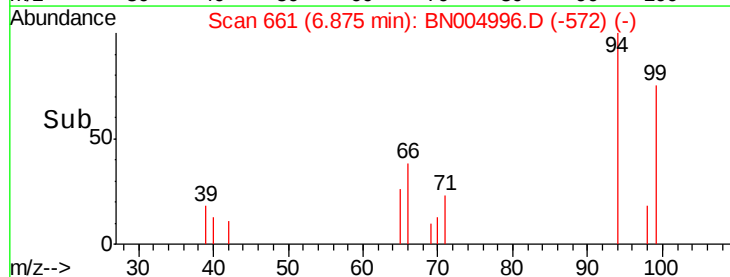
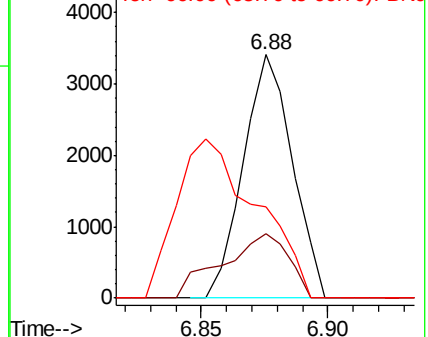
66 37.5 14.8 54.8

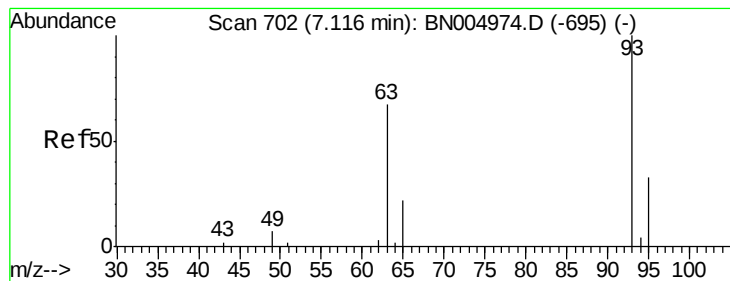


Abundance Ion 94.00 (93.70 to 94.70): BN004974.D (-656) (-)

Ion 65.00 (64.70 to 65.70): BN004974.D (-656) (-)

Ion 66.00 (65.70 to 66.70): BN004974.D (-656) (-)

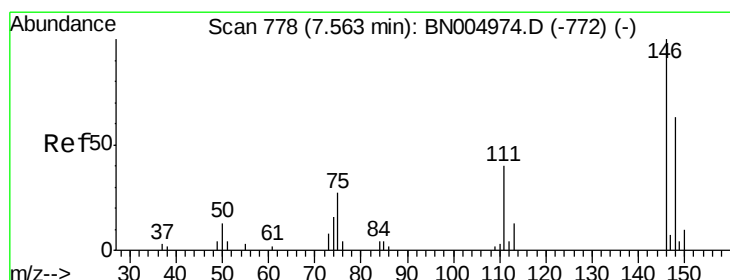
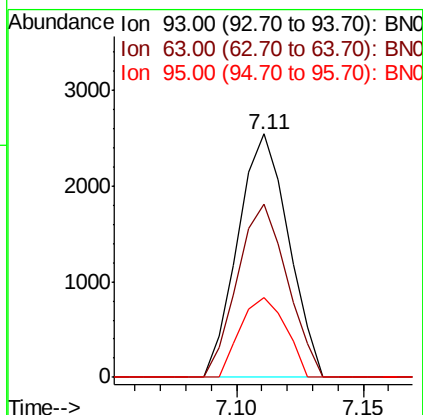
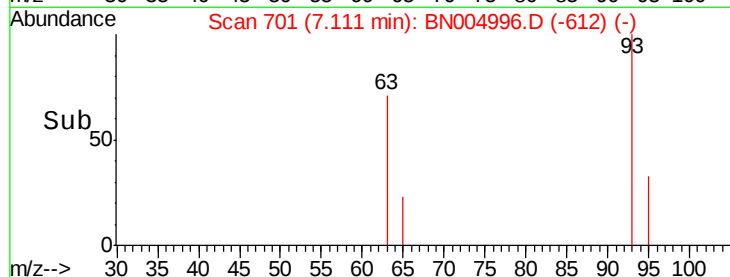
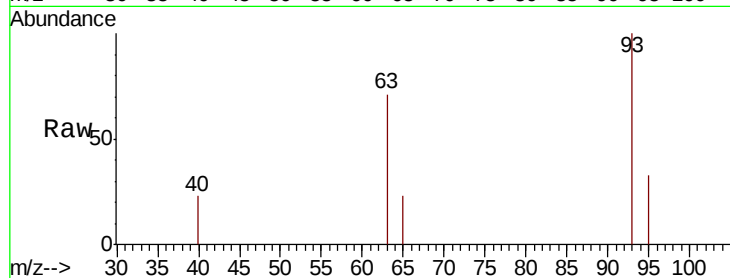




#11
bis(2-Chloroethyl)ether
Concen: 6.952 ng
RT: 7.11 min Scan# 701
Delta R.T. -0.01 min
Lab File: BN004996.D
Acq: 27 Mar 2019 15:43

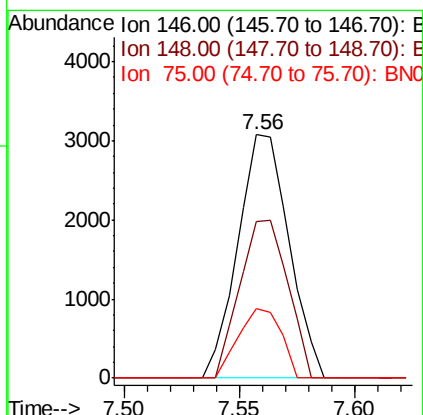
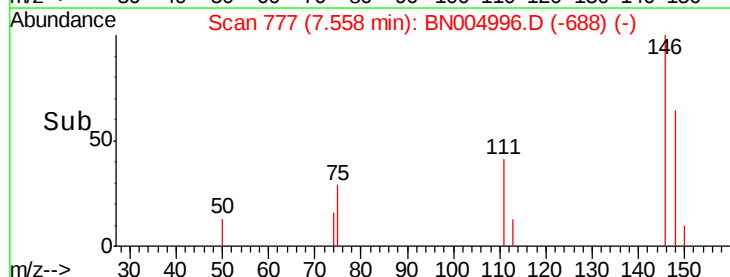
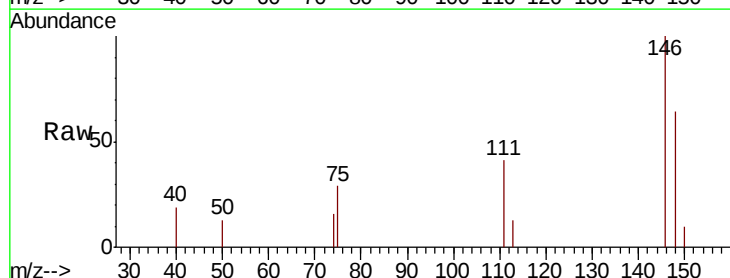
Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

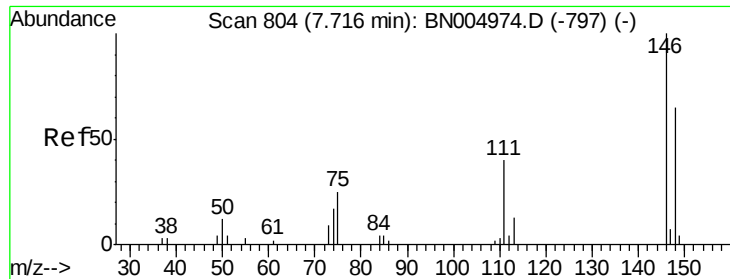
Tgt Ion: 93 Resp: 3556
Ion Ratio Lower Upper
93 100
63 71.4 47.0 87.0
95 32.9 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 7.369 ng
RT: 7.56 min Scan# 777
Delta R.T. -0.01 min
Lab File: BN004996.D
Acq: 27 Mar 2019 15:43

Tgt Ion: 146 Resp: 4743
Ion Ratio Lower Upper
146 100
148 64.3 52.0 78.0
75 28.8 22.0 33.0

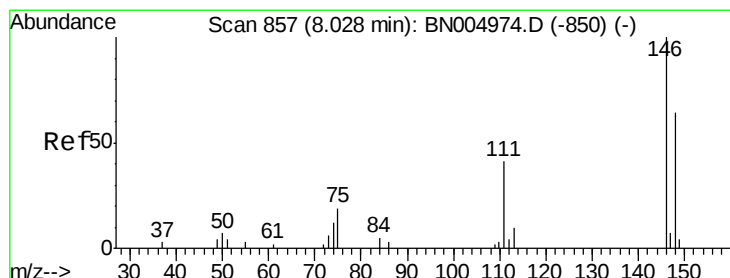
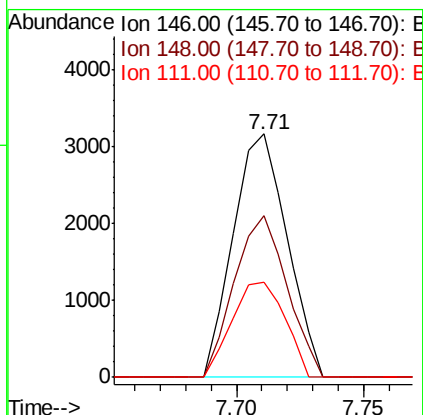
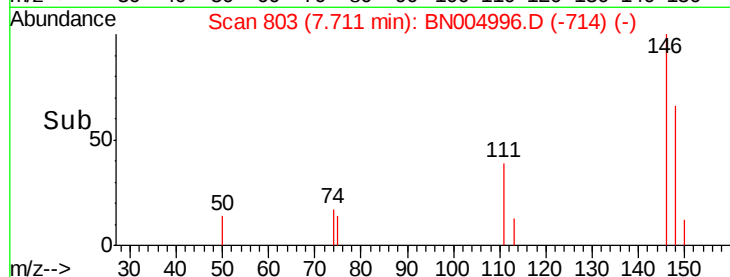
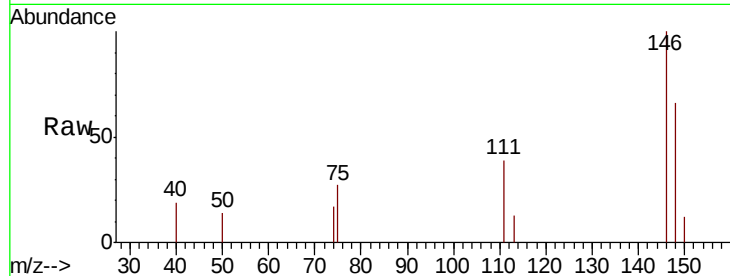




#13
 1,4-Dichlorobenzene
 Concen: 7.195 ng
 RT: 7.71 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: BN004996.D
 Acq: 27 Mar 2019 15:43

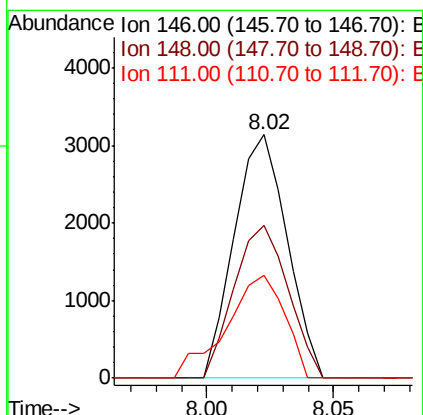
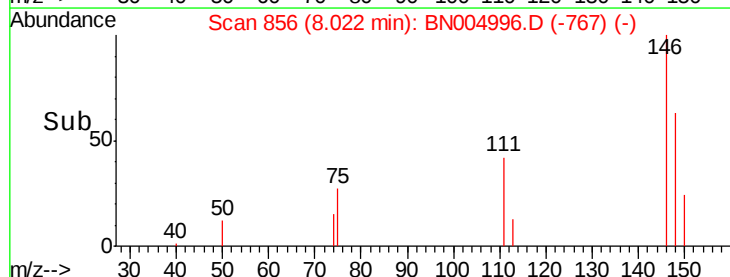
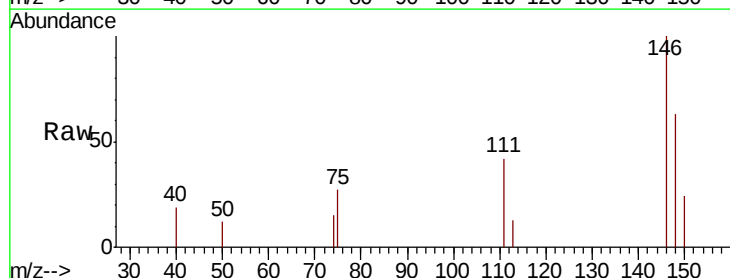
Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT1-2019

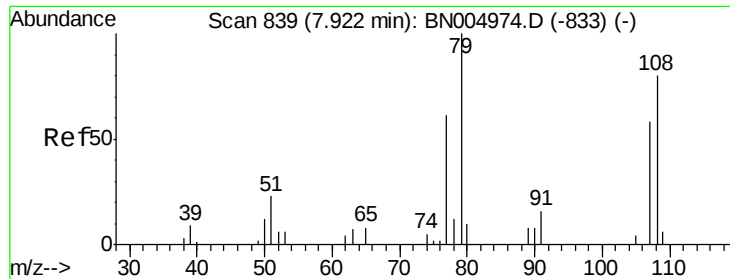
Tgt Ion:146 Resp: 4688
 Ion Ratio Lower Upper
 146 100
 148 66.4 51.4 77.2
 111 39.0 32.6 49.0



#14
 1,2-Dichlorobenzene
 Concen: 7.310 ng
 RT: 8.02 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: BN004996.D
 Acq: 27 Mar 2019 15:43

Tgt Ion:146 Resp: 4558
 Ion Ratio Lower Upper
 146 100
 148 62.8 51.4 77.2
 111 42.2 32.6 49.0





#15

Benzyl Alcohol

Concen: 5.754 ng

RT: 7.92 min Scan# 839

Delta R.T. 0.00 min

Lab File: BN004996.D

Acq: 27 Mar 2019 15:43

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

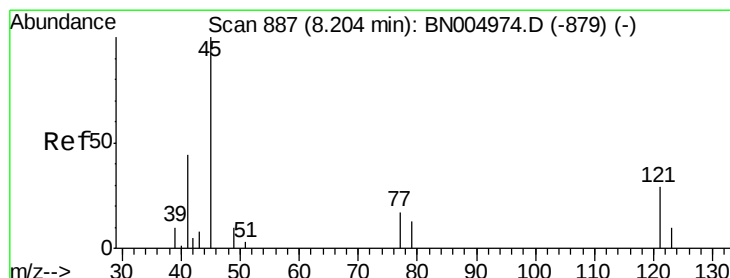
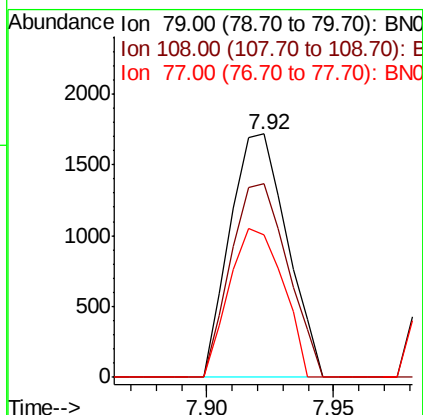
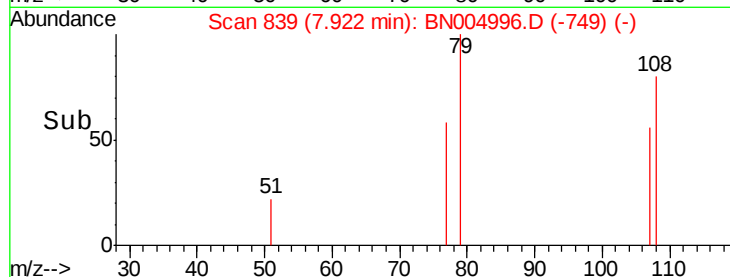
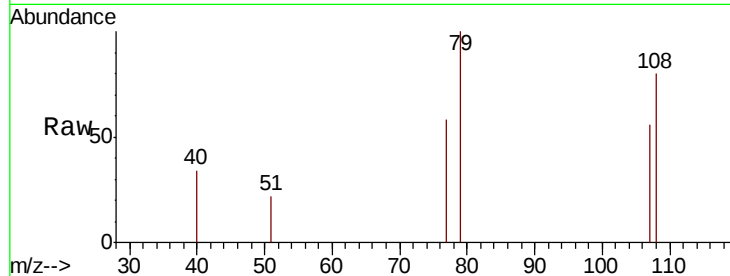
Tgt Ion: 79 Resp: 2702

Ion Ratio Lower Upper

79 100

108 79.5 64.0 96.0

77 58.5 48.8 73.2



#16

2,2'-oxybis(1-Chloropropane)

Concen: 7.255 ng

RT: 8.20 min Scan# 887

Delta R.T. 0.00 min

Lab File: BN004996.D

Acq: 27 Mar 2019 15:43

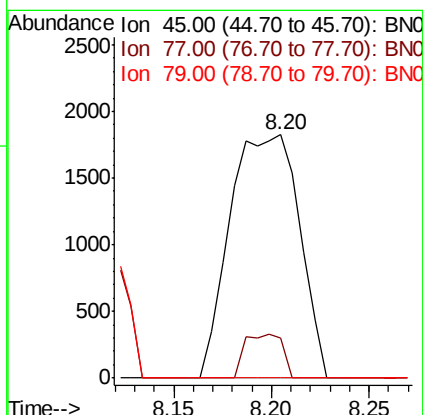
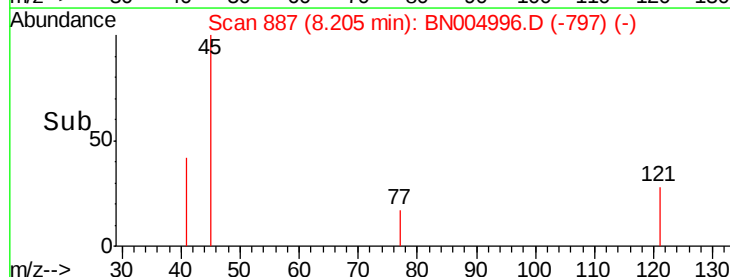
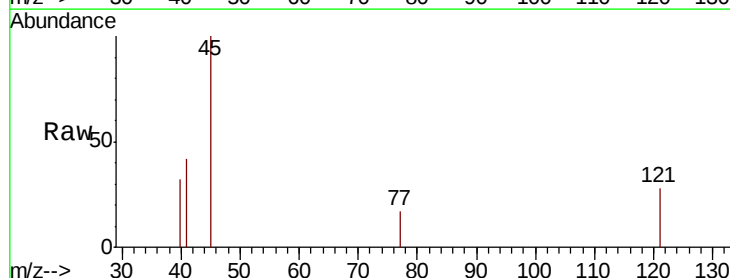
Tgt Ion: 45 Resp: 4477

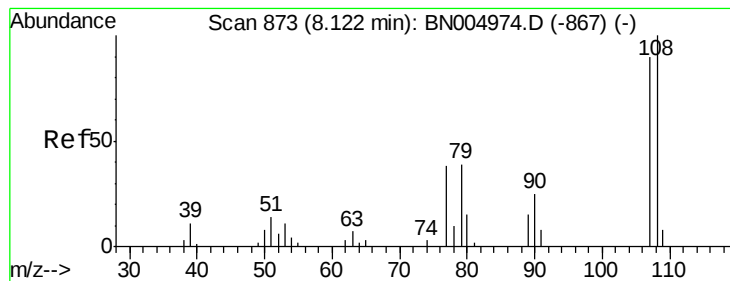
Ion Ratio Lower Upper

45 100

77 16.6 0.0 36.9

79 0.0 0.0 33.3

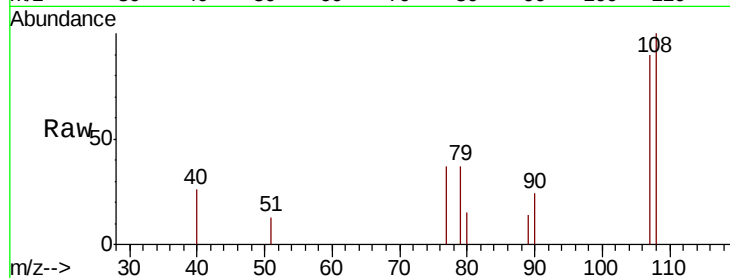




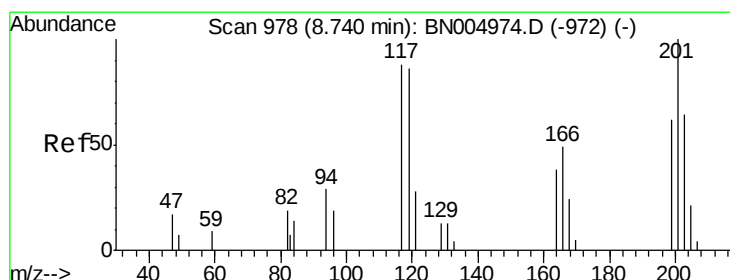
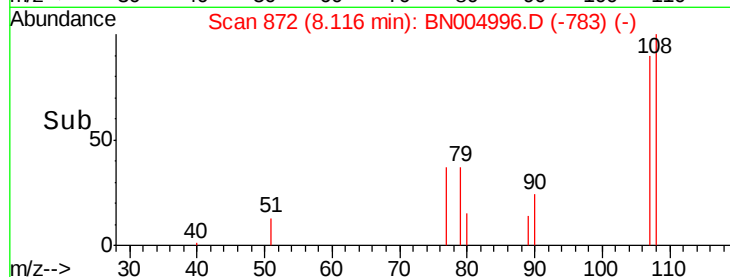
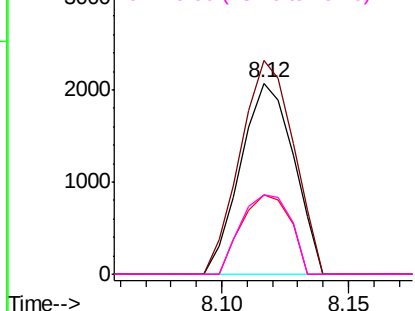
#17
2-Methylphenol
Concen: 6.582 ng
RT: 8.12 min Scan# 872
Delta R.T. -0.01 min
Lab File: BN004996.D
Acq: 27 Mar 2019 15:43

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:107 Resp: 3035
Ion Ratio Lower Upper
107 100
108 111.7 88.8 133.2
77 41.7 34.2 51.2
79 41.8 34.8 52.2

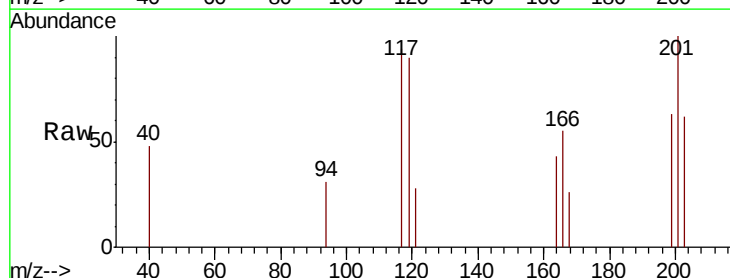


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BNC
Ion 79.00 (78.70 to 79.70): BNC

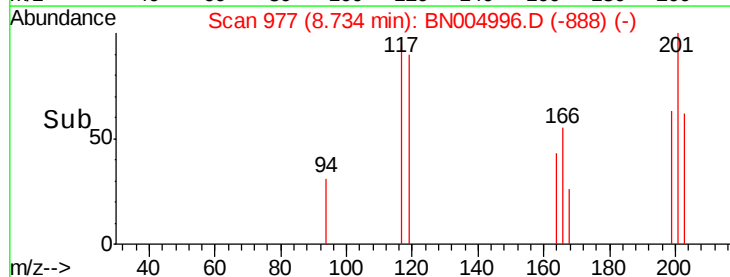
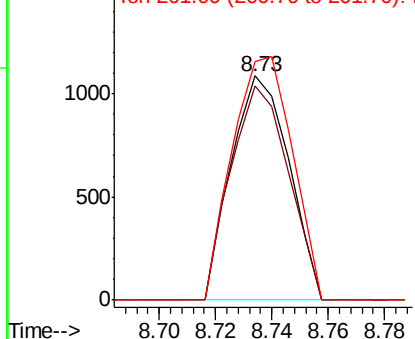


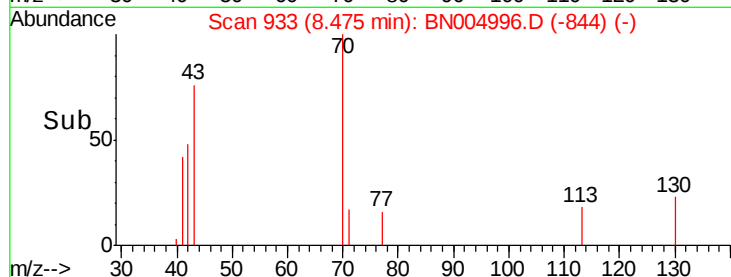
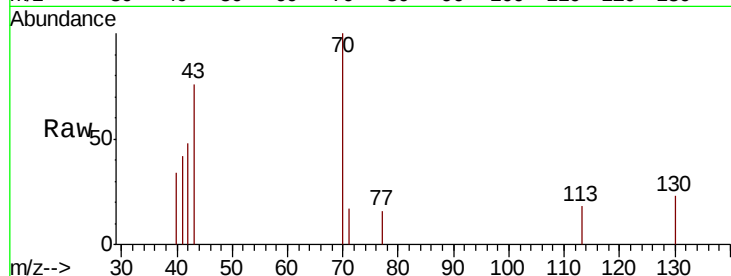
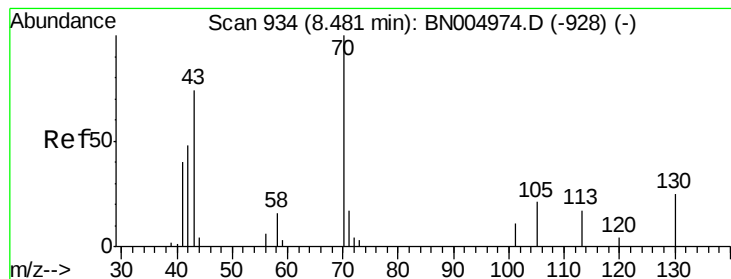
#18
Hexachloroethane
Concen: 6.664 ng
RT: 8.73 min Scan# 977
Delta R.T. -0.01 min
Lab File: BN004996.D
Acq: 27 Mar 2019 15:43

Tgt Ion:117 Resp: 1539
Ion Ratio Lower Upper
117 100
119 95.6 77.5 116.3
201 106.5 90.5 135.7



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 6.519 ng

RT: 8.48 min Scan# 933

Delta R.T. -0.01 min

Lab File: BN004996.D

Acq: 27 Mar 2019 15:43

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

Tgt Ion: 70 Resp: 2638

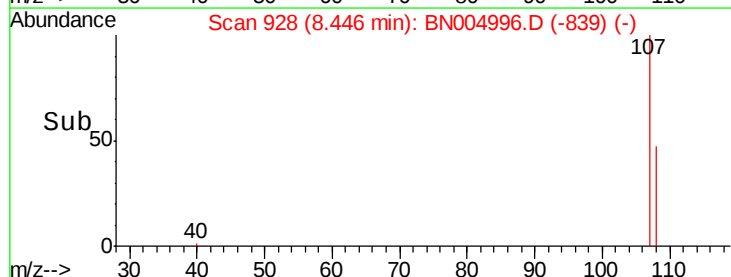
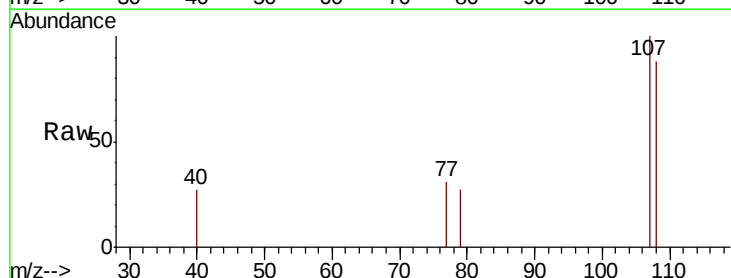
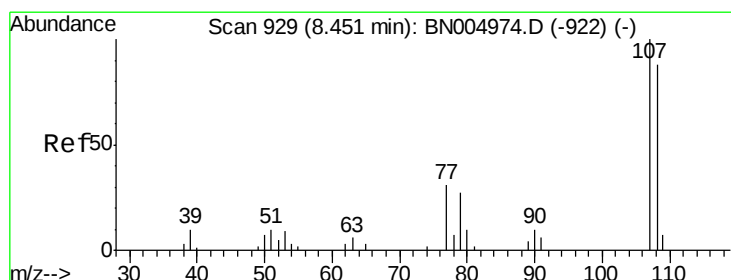
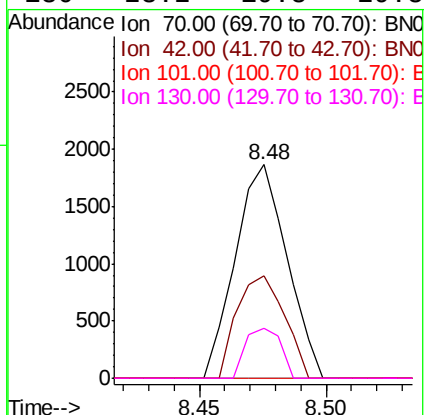
Ion Ratio Lower Upper

70 100

42 48.2 38.4 57.6

101 0.0 8.8 13.2#

130 23.2 19.8 29.8



#20

3+4-Methylphenols

Concen: 6.285 ng

RT: 8.45 min Scan# 928

Delta R.T. -0.01 min

Lab File: BN004996.D

Acq: 27 Mar 2019 15:43

Tgt Ion: 107 Resp: 3935

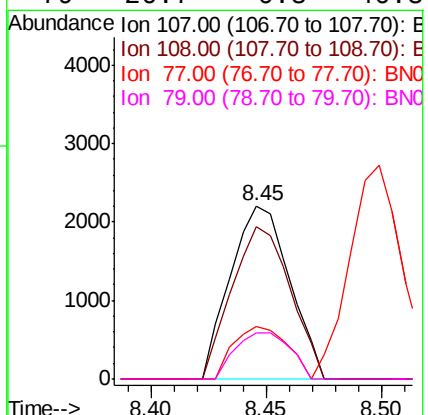
Ion Ratio Lower Upper

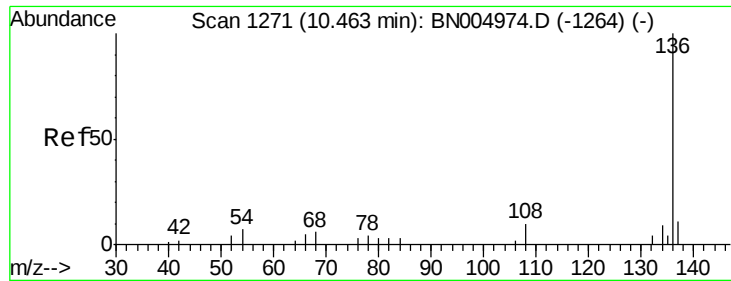
107 100

108 88.4 67.9 107.9

77 30.6 10.6 50.6

79 26.7 6.8 46.8

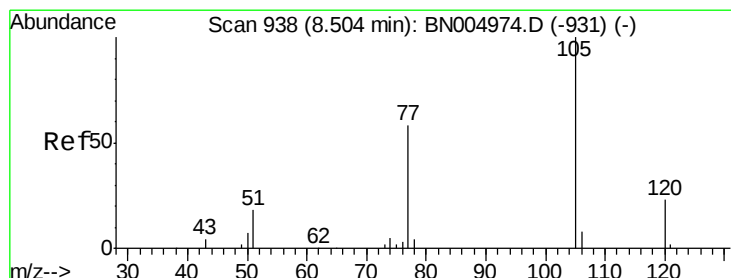
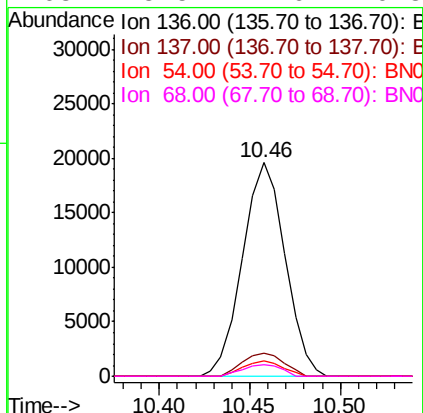
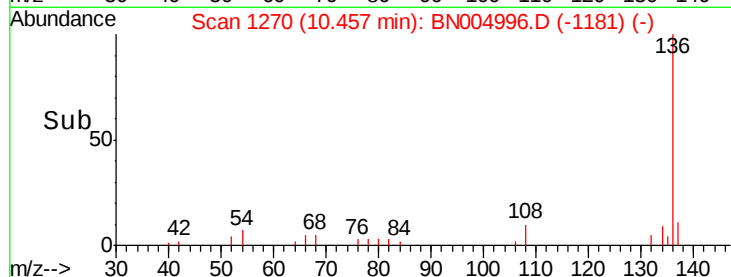
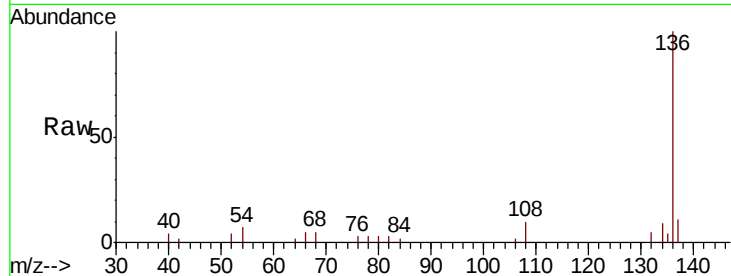




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.46 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BN004996.D
Acq: 27 Mar 2019 15:43

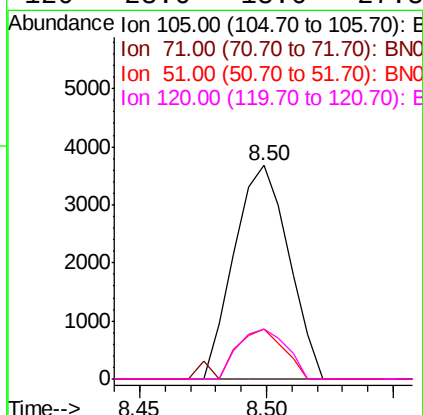
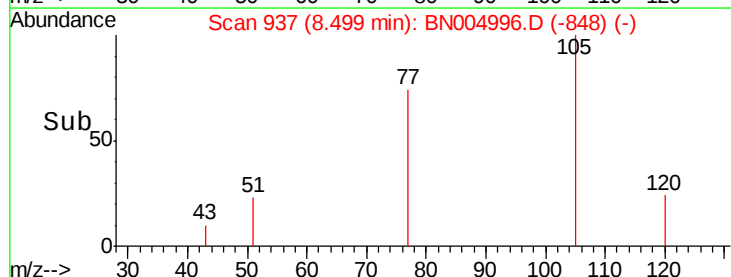
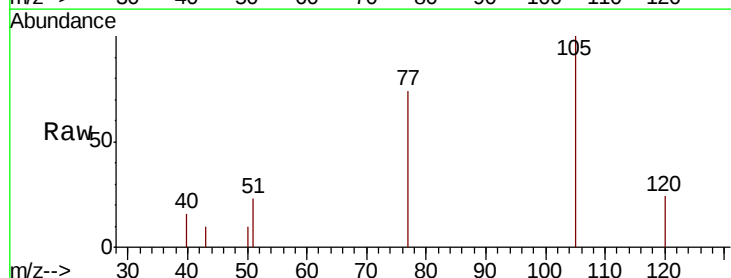
Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

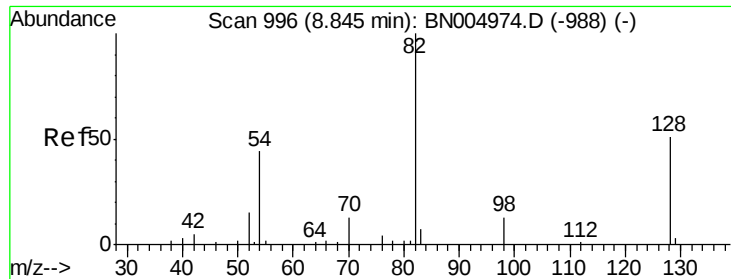
Tgt Ion:	136	Resp:	32075
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.9	5.3	7.9
68	5.5	4.6	6.8



#22
Acetophenone
Concen: 7.521 ng
RT: 8.50 min Scan# 937
Delta R.T. -0.01 min
Lab File: BN004996.D
Acq: 27 Mar 2019 15:43

Tgt Ion:	105	Resp:	5507
Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.0	0.0
51	23.2	17.8	26.8
120	23.6	18.6	27.8

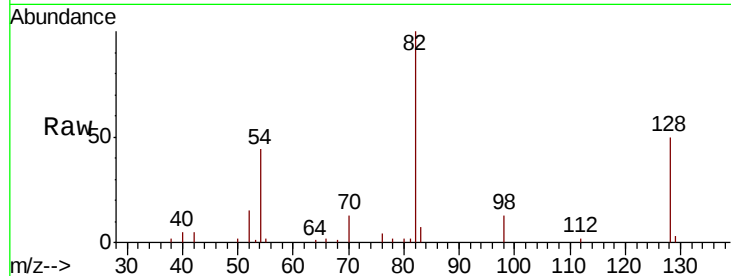




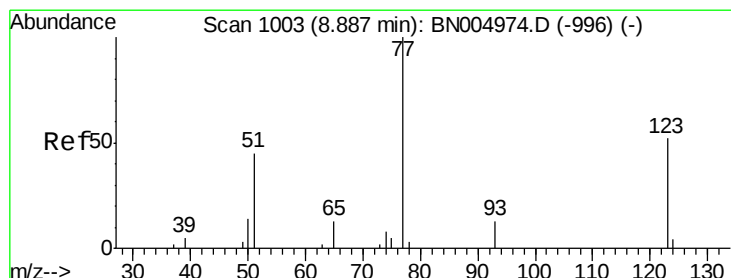
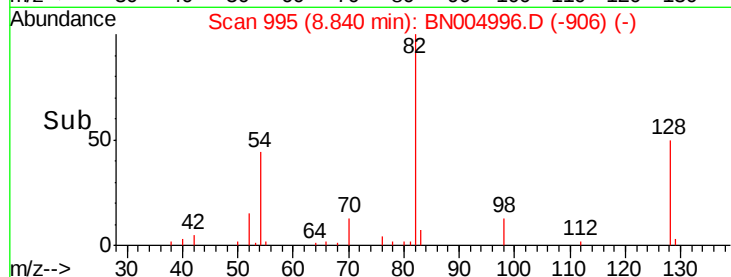
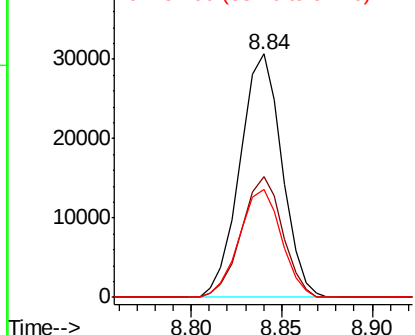
#23
Nitrobenzene-d5
Concen: 93.148 ng
RT: 8.84 min Scan# 995
Delta R.T. -0.01 min
Lab File: BN004996.D
Acq: 27 Mar 2019 15:43

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion: 82 Resp: 49391
Ion Ratio Lower Upper
82 100
128 49.7 40.6 60.8
54 44.3 35.2 52.8

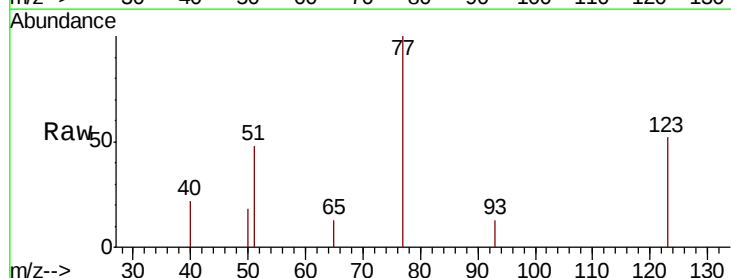


Abundance Ion 82.00 (81.70 to 82.70): BN0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BN0

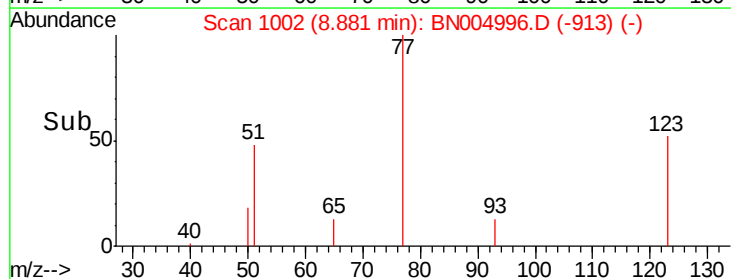
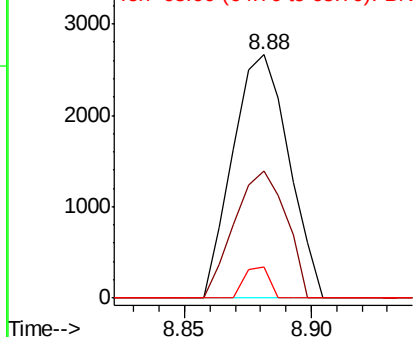


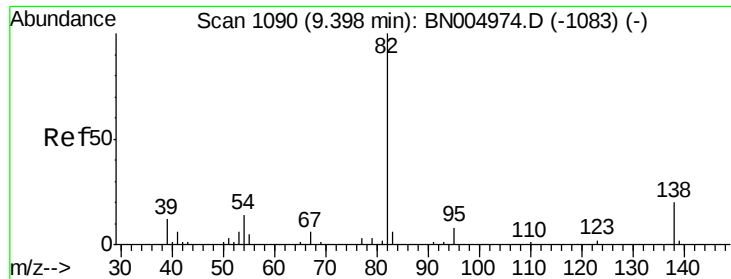
#24
Nitrobenzene
Concen: 7.657 ng
RT: 8.88 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BN004996.D
Acq: 27 Mar 2019 15:43

Tgt Ion: 77 Resp: 4109
Ion Ratio Lower Upper
77 100
123 52.3 41.3 61.9
65 12.6 10.3 15.5



Abundance Ion 77.00 (76.70 to 77.70): BN0
Ion 123.00 (122.70 to 123.70): E
Ion 65.00 (64.70 to 65.70): BN0





#25

Isophorone

Concen: 6.992 ng

RT: 9.39 min Scan# 1089

Delta R.T. -0.01 min

Lab File: BN004996.D

Acq: 27 Mar 2019 15:43

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

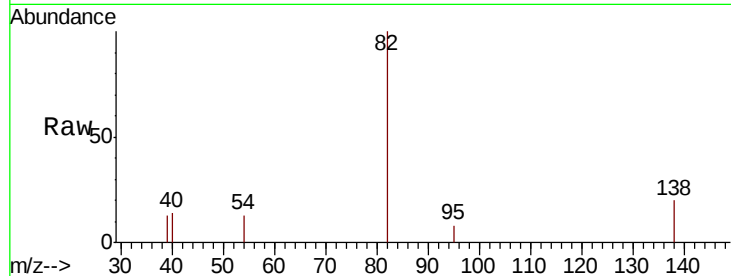
Tgt Ion: 82 Resp: 7223

Ion Ratio Lower Upper

82 100

95 7.7 6.1 9.1

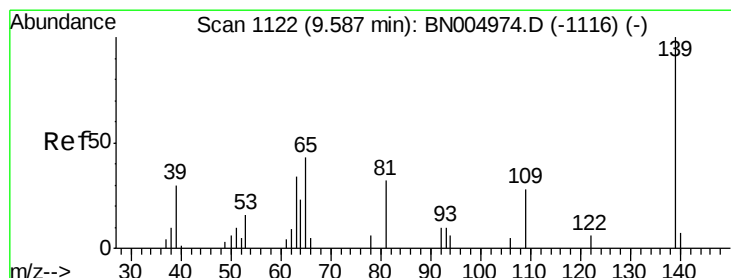
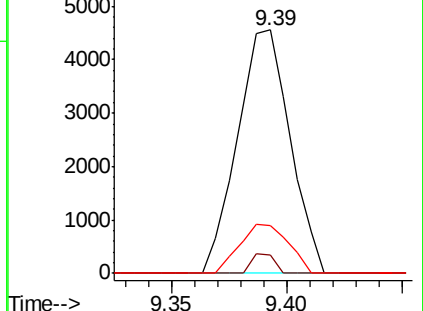
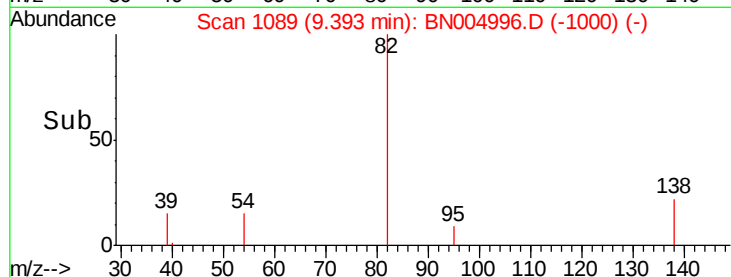
138 19.7 16.2 24.2



Abundance Ion 82.00 (81.70 to 82.70): BN004974.D (-1083) (-)

Ion 95.00 (94.70 to 95.70): BN004974.D (-1083) (-)

Ion 138.00 (137.70 to 138.70): BN004974.D (-1083) (-)



#26

2-Nitrophenol

Concen: 6.011 ng

RT: 9.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BN004996.D

Acq: 27 Mar 2019 15:43

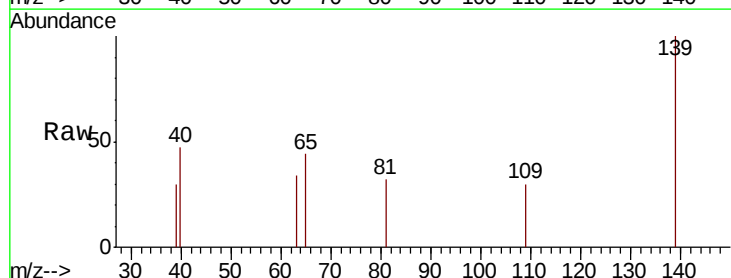
Tgt Ion: 139 Resp: 1873

Ion Ratio Lower Upper

139 100

109 29.6 22.5 33.7

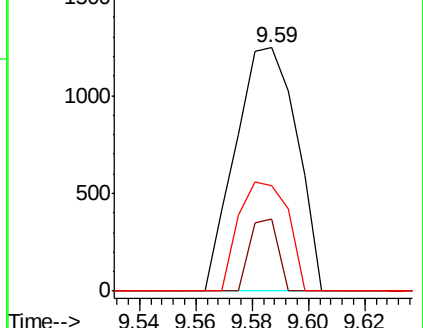
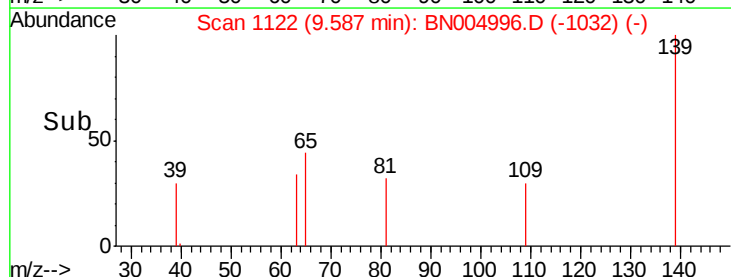
65 43.5 34.2 51.4

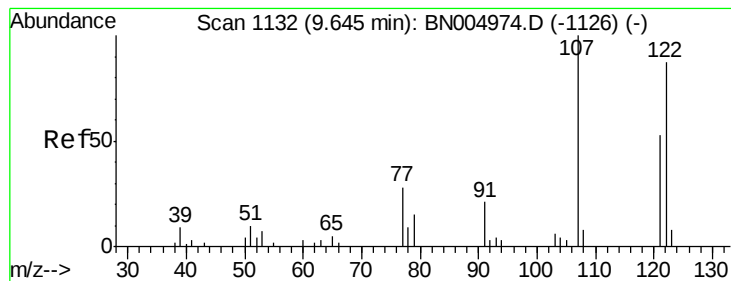


Abundance Ion 139.00 (138.70 to 139.70): BN004974.D (-1116) (-)

Ion 109.00 (108.70 to 109.70): BN004974.D (-1116) (-)

Ion 65.00 (64.70 to 65.70): BN004974.D (-1116) (-)

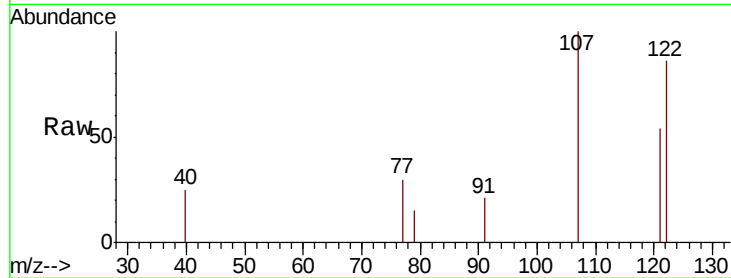




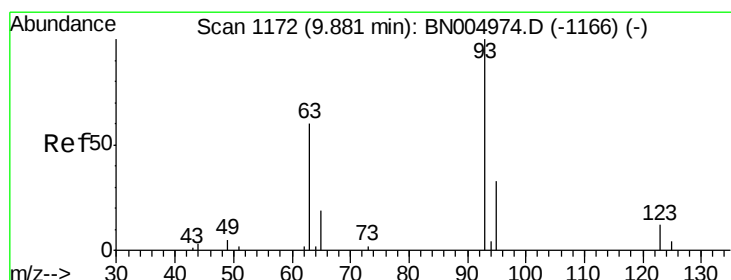
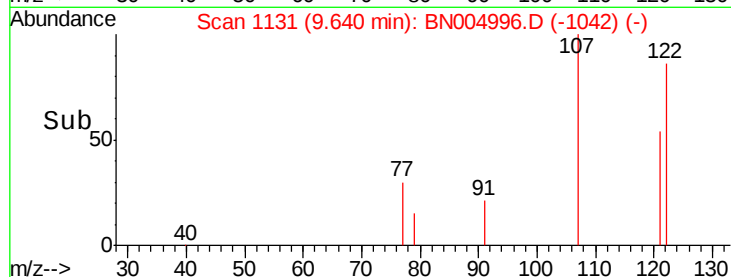
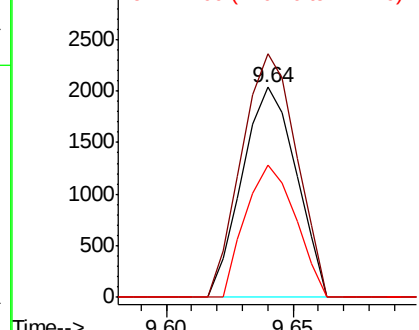
#27
 2,4-Dimethylphenol
 Concen: 7.005 ng
 RT: 9.64 min Scan# 1131
 Delta R.T. -0.01 min
 Lab File: BN004996.D
 Acq: 27 Mar 2019 15:43

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT1-2019

Tgt Ion: 122 Resp: 3039
 Ion Ratio Lower Upper
 122 100
 107 115.9 91.6 137.4
 121 63.1 48.2 72.2

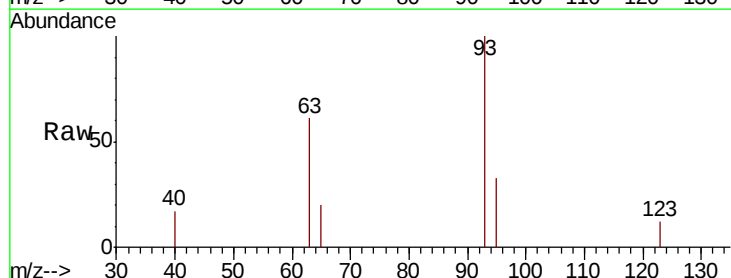


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

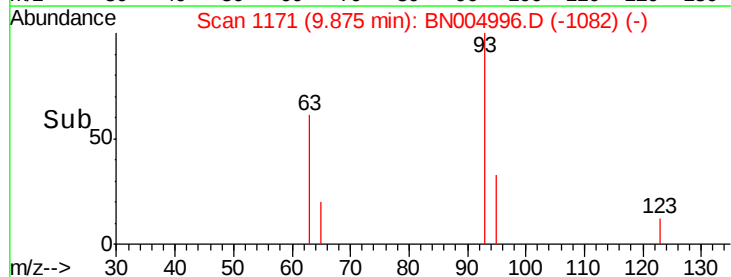
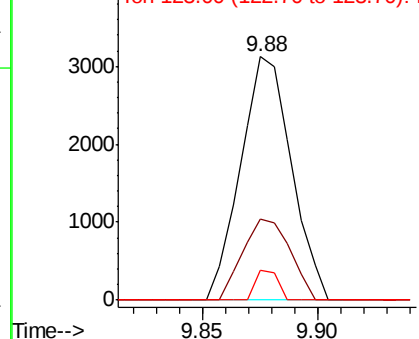


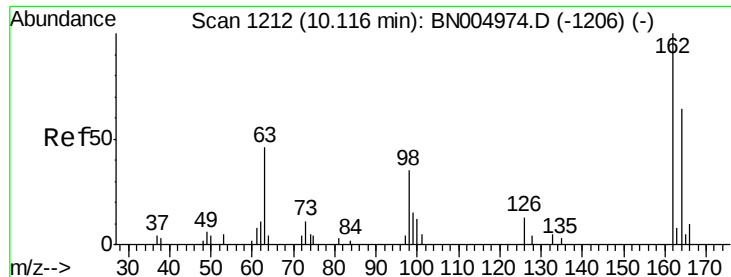
#28
 bis(2-Chloroethoxy)methane
 Concen: 7.467 ng
 RT: 9.88 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: BN004996.D
 Acq: 27 Mar 2019 15:43

Tgt Ion: 93 Resp: 4779
 Ion Ratio Lower Upper
 93 100
 95 33.2 26.2 39.4
 123 12.1 9.8 14.8



Abundance Ion 93.00 (92.70 to 93.70): BNC
 Ion 95.00 (94.70 to 95.70): BNC
 Ion 123.00 (122.70 to 123.70): E

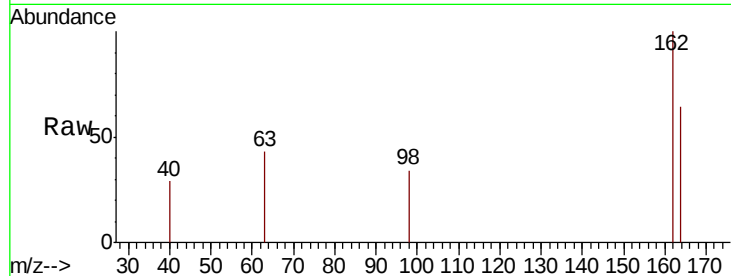




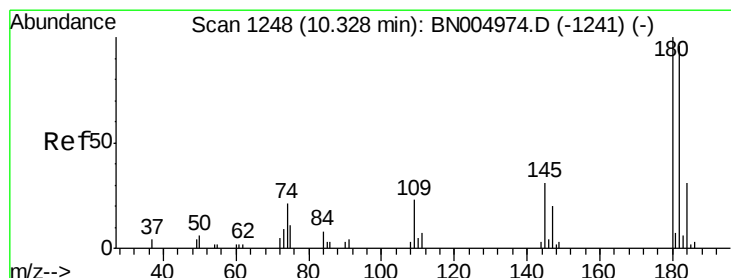
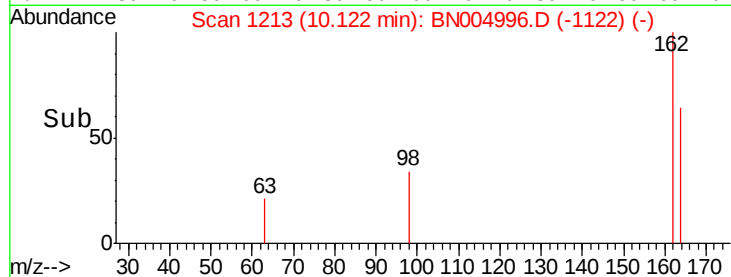
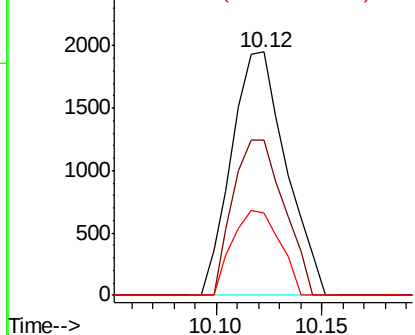
#29
 2,4-Dichlorophenol
 Concen: 7.032 ng
 RT: 10.12 min Scan# 1213
 Delta R.T. 0.01 min
 Lab File: BN004996.D
 Acq: 27 Mar 2019 15:43

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:162 Resp: 3506
 Ion Ratio Lower Upper
 162 100
 164 63.9 44.3 84.3
 98 34.0 15.3 55.3

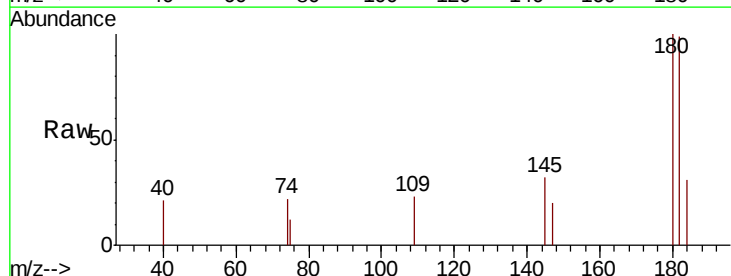


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BNC

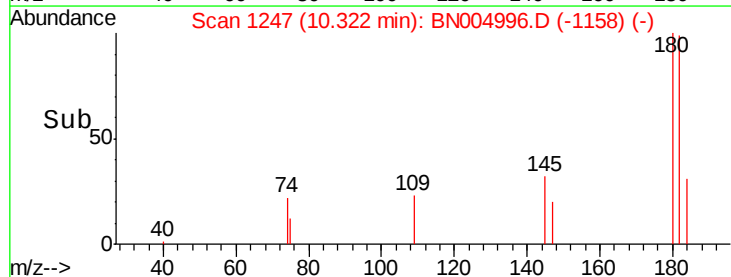
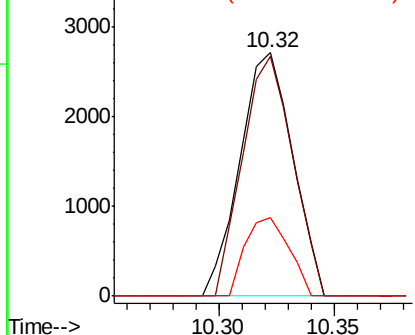


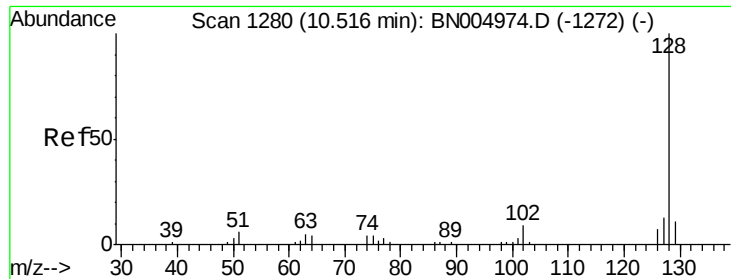
#30
 1,2,4-Trichlorobenzene
 Concen: 7.846 ng
 RT: 10.32 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: BN004996.D
 Acq: 27 Mar 2019 15:43

Tgt Ion:180 Resp: 4309
 Ion Ratio Lower Upper
 180 100
 182 98.7 76.6 114.8
 145 32.0 24.6 37.0



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

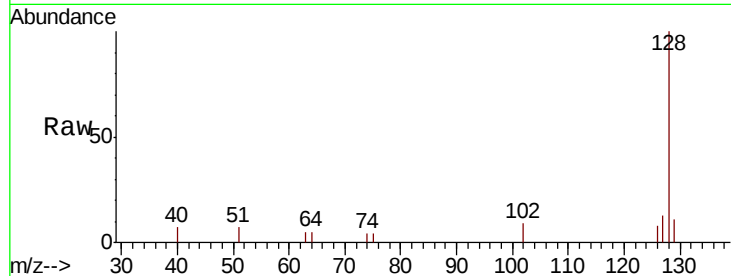




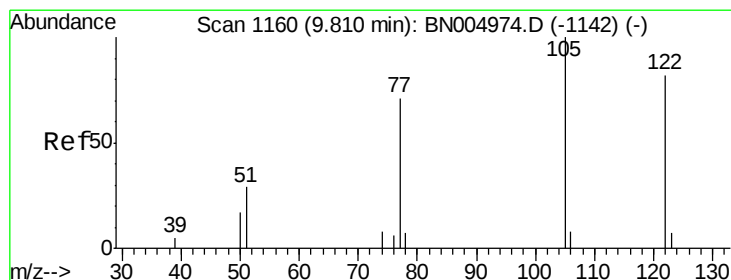
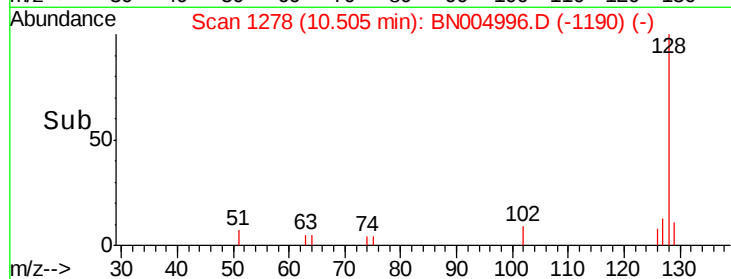
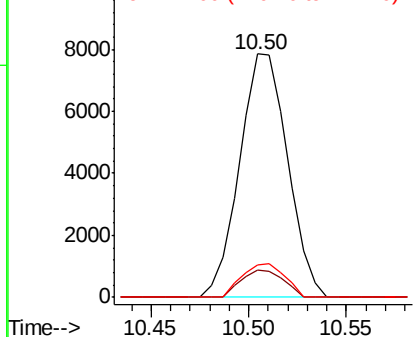
#31
Naphthalene
Concen: 7.995 ng
RT: 10.50 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BN004996.D
Acq: 27 Mar 2019 15:43

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:128 Resp: 13380
Ion Ratio Lower Upper
128 100
129 11.2 8.7 13.1
127 13.5 10.8 16.2

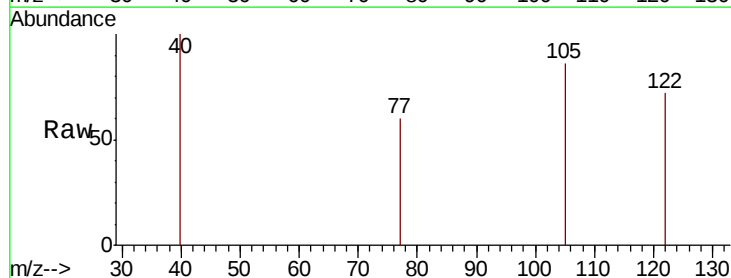


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

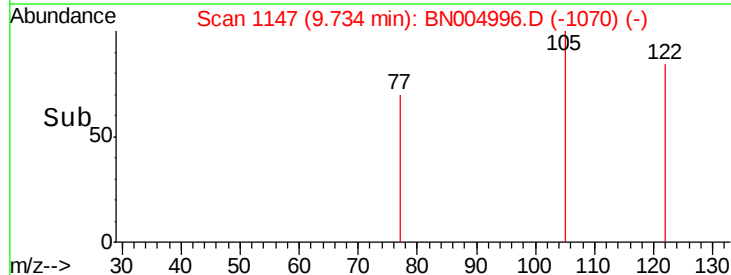
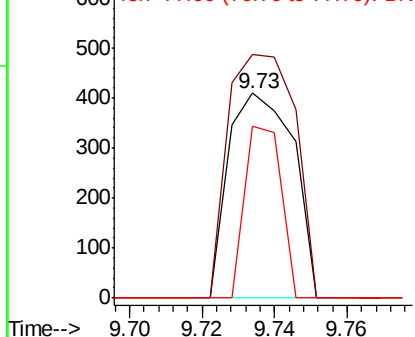


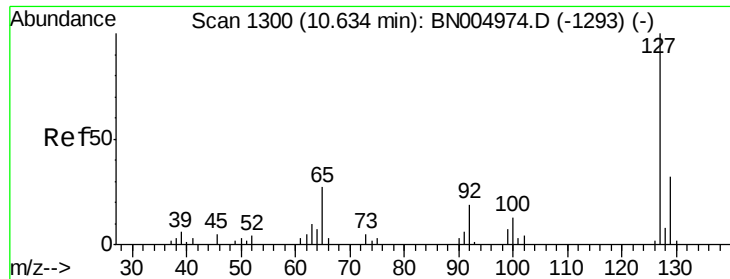
#32
Benzoic acid
Concen: 6.993 ng
RT: 9.73 min Scan# 1147
Delta R.T. -0.08 min
Lab File: BN004996.D
Acq: 27 Mar 2019 15:43

Tgt Ion:122 Resp: 510
Ion Ratio Lower Upper
122 100
105 118.8 102.4 142.4
77 83.7 67.1 107.1



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BNO

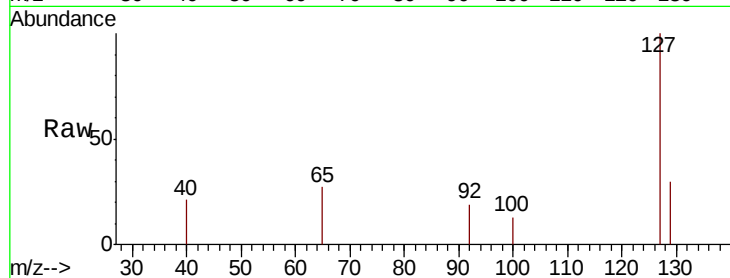




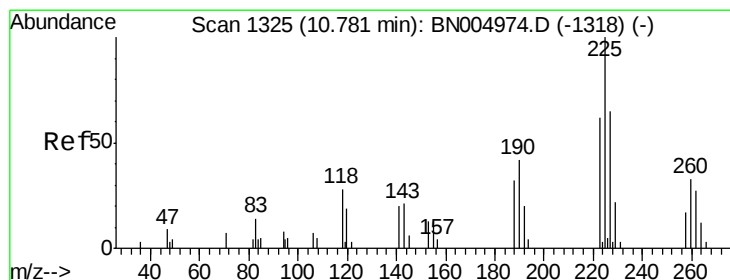
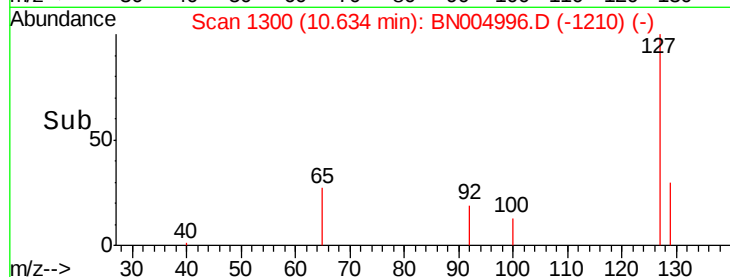
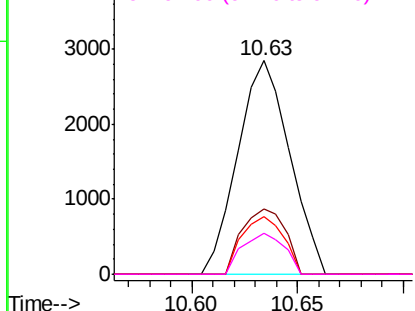
#33
4-Chloroaniline
Concen: 7.144 ng
RT: 10.63 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BN004996.D
Acq: 27 Mar 2019 15:43

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:127 Resp: 4864
Ion Ratio Lower Upper
127 100
129 30.4 25.9 38.9
65 27.1 21.4 32.0
92 19.0 15.3 22.9

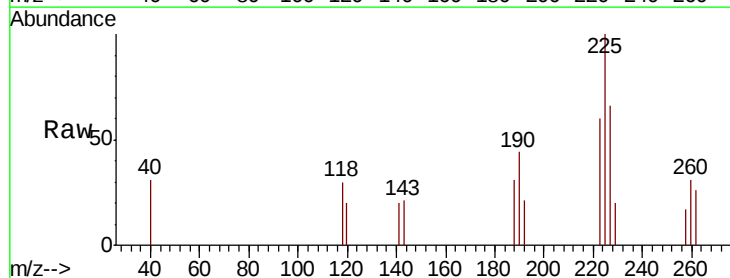


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BNC
Ion 92.00 (91.70 to 92.70): BNC

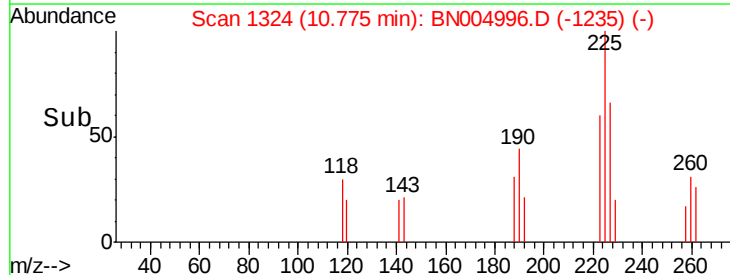
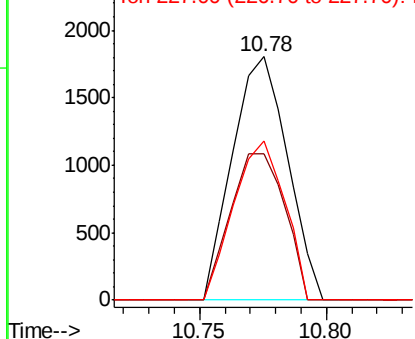


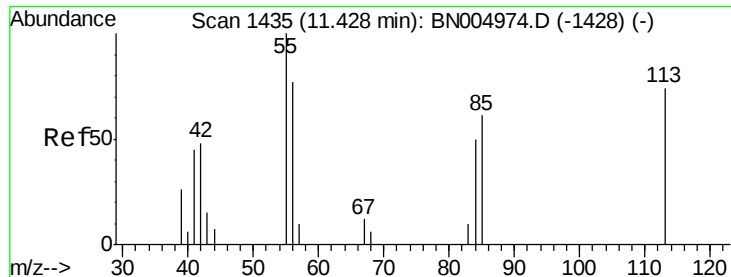
#34
Hexachlorobutadiene
Concen: 7.719 ng
RT: 10.78 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BN004996.D
Acq: 27 Mar 2019 15:43

Tgt Ion:225 Resp: 2743
Ion Ratio Lower Upper
225 100
223 59.9 49.7 74.5
227 65.6 52.0 78.0



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 3.197 ng

RT: 11.40 min Scan# 1430

Delta R.T. -0.03 min

Lab File: BN004996.D

Acq: 27 Mar 2019 15:43

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

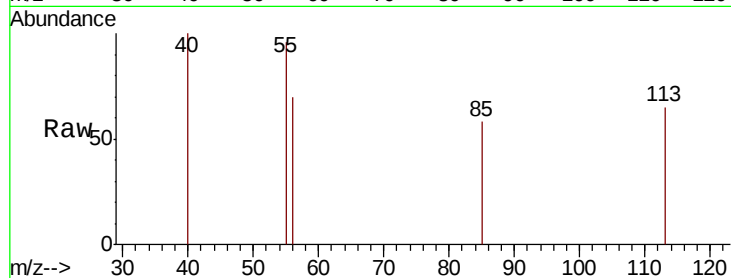
Tgt Ion:113 Resp: 522

Ion Ratio Lower Upper

113 100

55 147.0 115.8 155.8

56 107.2 85.1 125.1



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BN0

Ion 56.00 (55.70 to 56.70): BN0

800

600

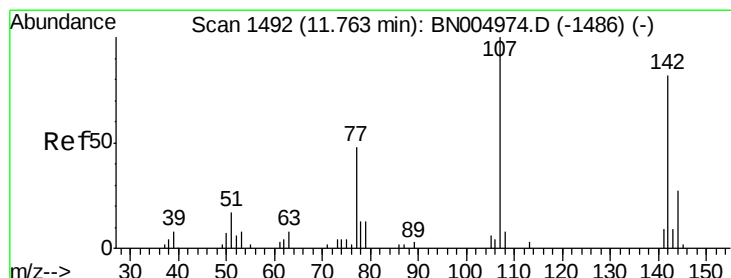
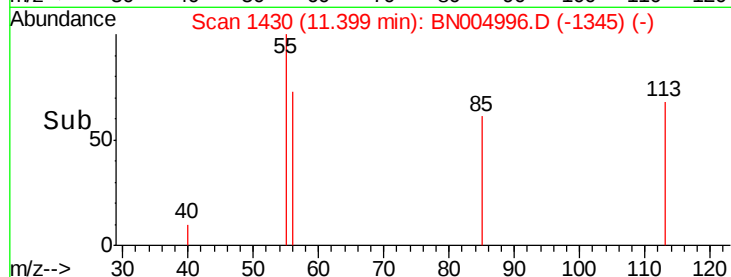
400

200

0

11.38 11.40 11.42

Time-->



#36

4-Chloro-3-methylphenol

Concen: 6.701 ng

RT: 11.76 min Scan# 1491

Delta R.T. -0.01 min

Lab File: BN004996.D

Acq: 27 Mar 2019 15:43

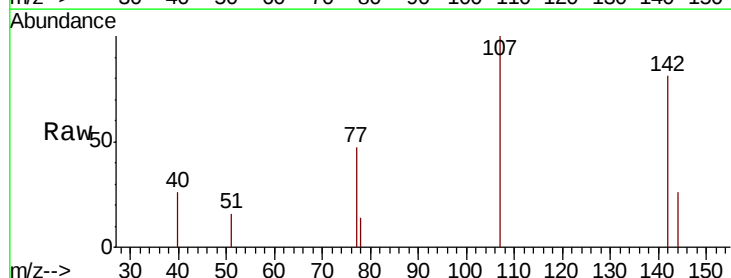
Tgt Ion:107 Resp: 3609

Ion Ratio Lower Upper

107 100

144 26.3 21.3 31.9

142 80.8 65.8 98.8



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

3000

2500

2000

1500

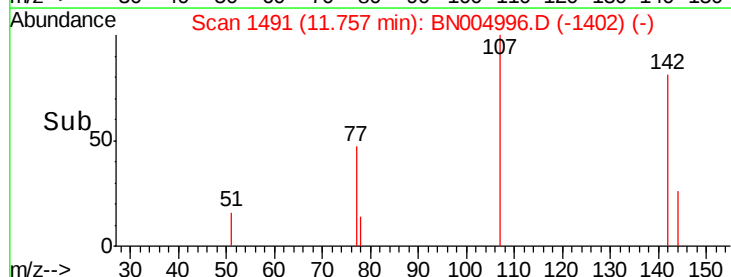
1000

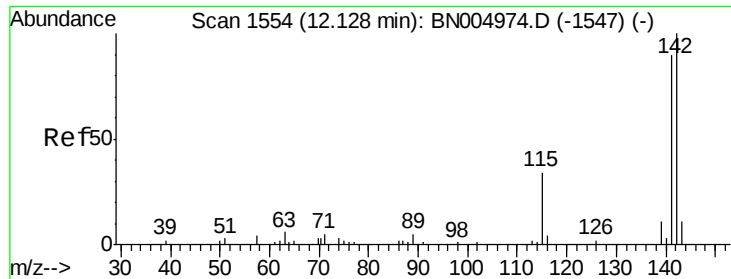
500

0

11.70 11.75 11.80

Time-->

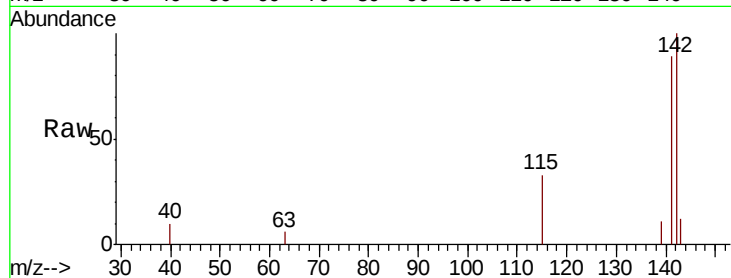




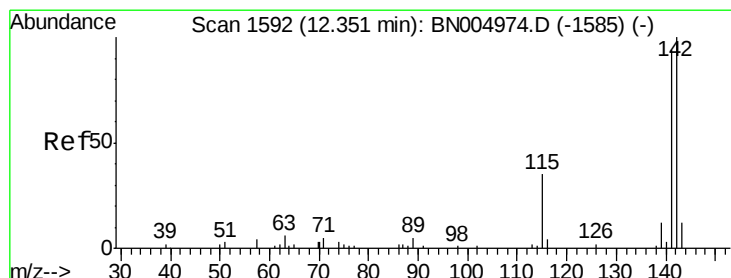
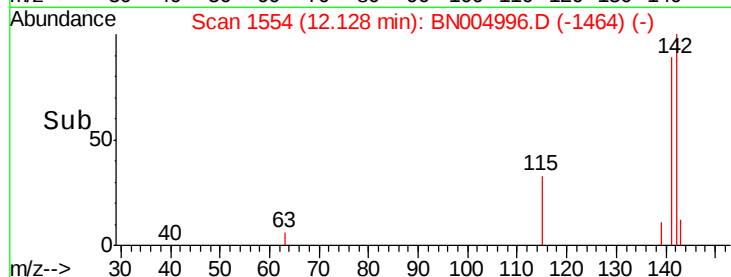
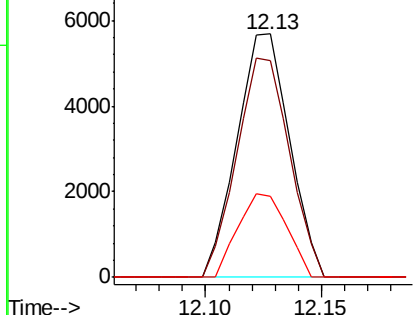
#37
2-Methylnaphthalene
Concen: 7.646 ng
RT: 12.13 min Scan# 1554
Delta R.T. 0.00 min
Lab File: BN004996.D
Acq: 27 Mar 2019 15:43

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:142 Resp: 9036
Ion Ratio Lower Upper
142 100
141 89.2 71.8 107.8
115 33.3 27.0 40.4

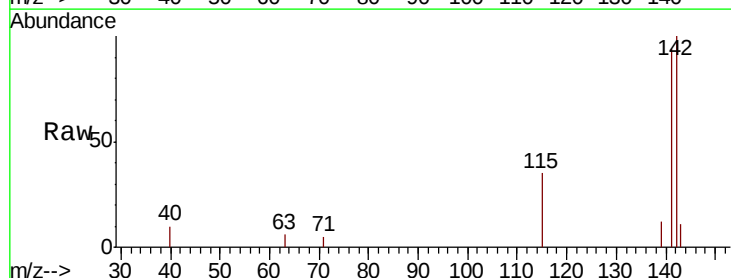


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

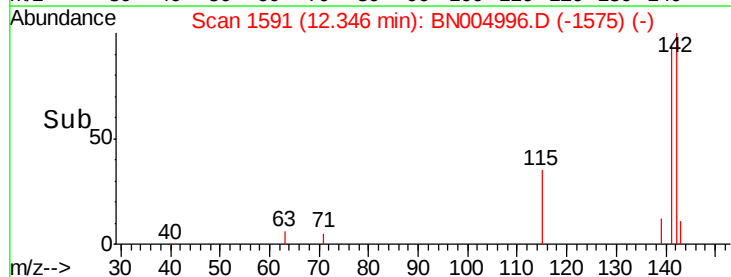
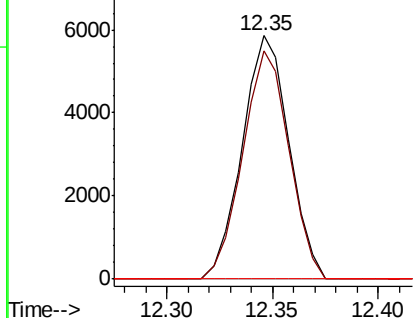


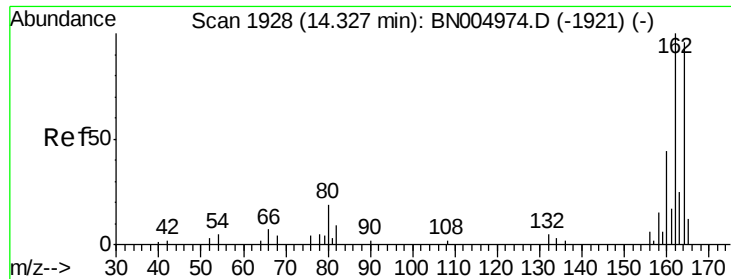
#38
1-Methylnaphthalene
Concen: 7.773 ng
RT: 12.35 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BN004996.D
Acq: 27 Mar 2019 15:43

Tgt Ion:142 Resp: 8988
Ion Ratio Lower Upper
142 100
141 93.6 74.9 112.3
116 0.0 3.0 4.4#



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.32 min Scan# 1927

Delta R.T. -0.01 min

Lab File: BN004996.D

Acq: 27 Mar 2019 15:43

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

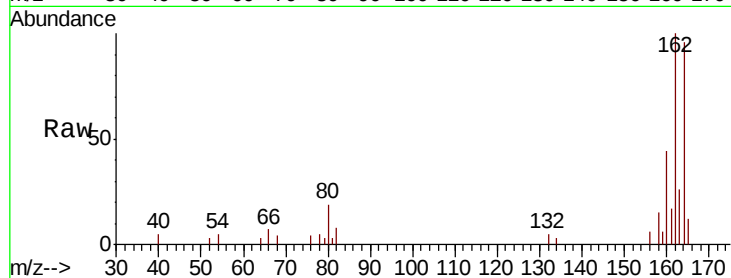
Tgt Ion:164 Resp: 17691

Ion Ratio Lower Upper

164 100

162 104.4 83.4 125.0

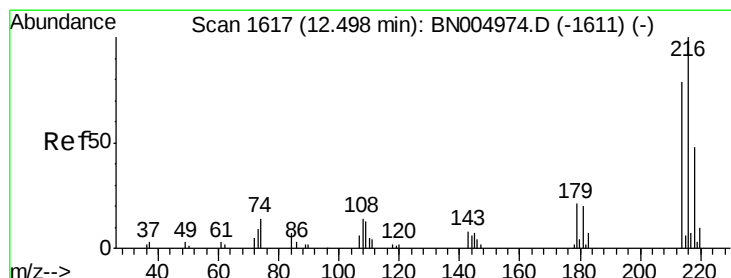
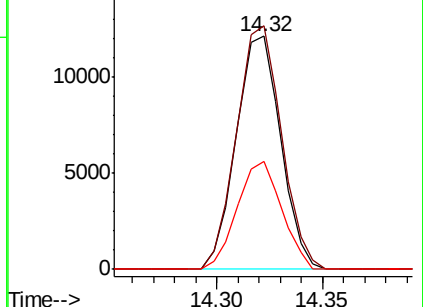
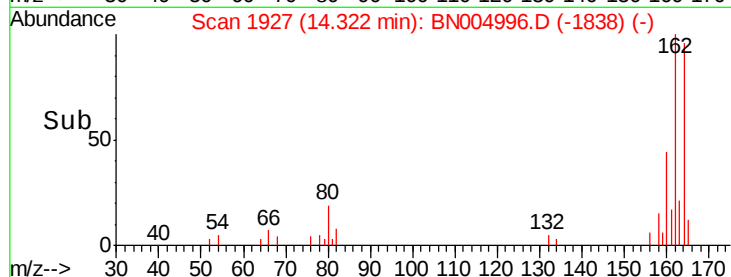
160 46.4 36.6 55.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 7.987 ng

RT: 12.49 min Scan# 1616

Delta R.T. -0.01 min

Lab File: BN004996.D

Acq: 27 Mar 2019 15:43

Tgt Ion:216 Resp: 5012

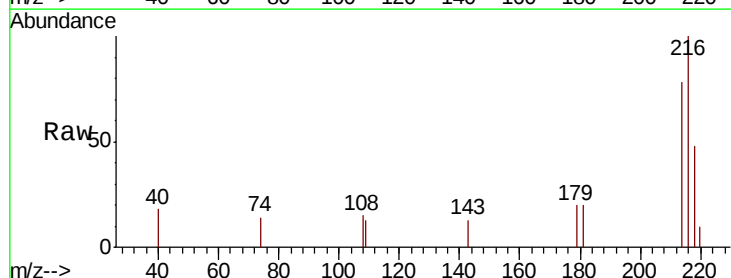
Ion Ratio Lower Upper

216 100

214 77.5 62.6 94.0

179 16.0 16.4 24.6#

108 9.4 12.7 19.1#

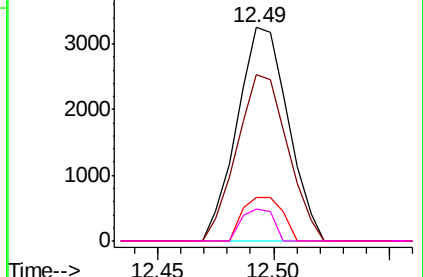
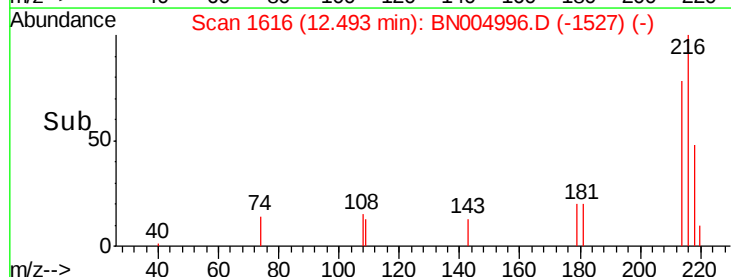


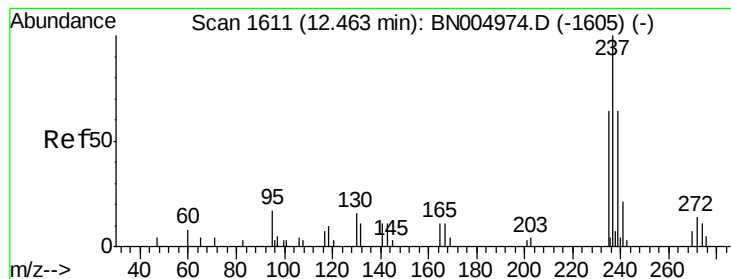
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 8.889 ng

RT: 12.46 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BN004996.D

Acq: 27 Mar 2019 15:43

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

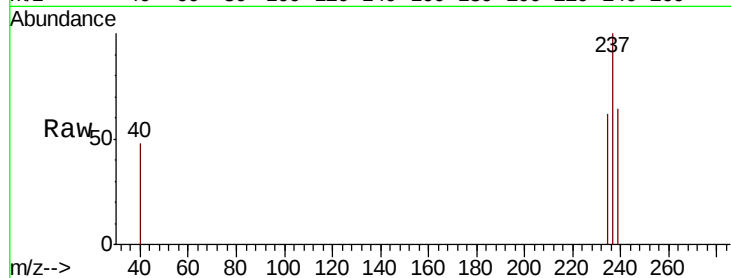
Tgt Ion: 237 Resp: 1655

Ion Ratio Lower Upper

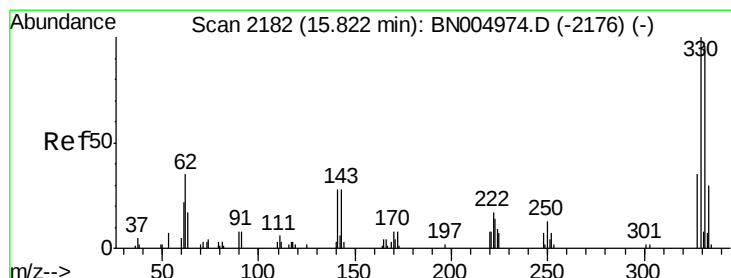
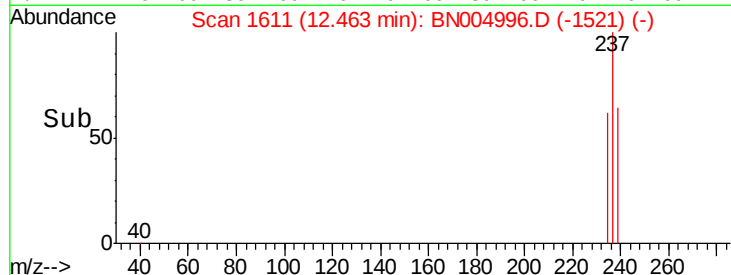
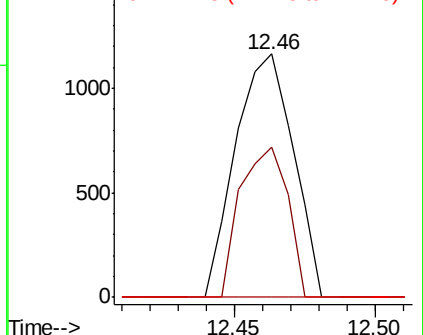
237 100

235 61.8 43.6 83.6

272 0.0 0.0 33.5



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 137.644 ng

RT: 15.82 min Scan# 2181

Delta R.T. -0.01 min

Lab File: BN004996.D

Acq: 27 Mar 2019 15:43

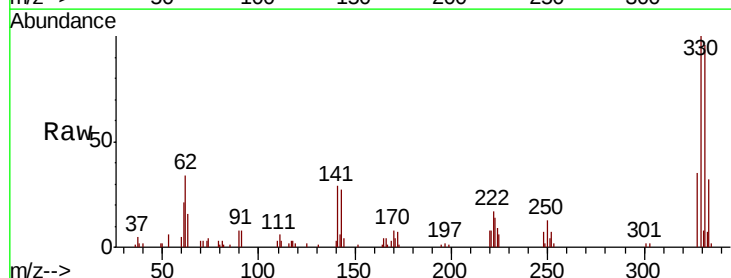
Tgt Ion: 330 Resp: 39273

Ion Ratio Lower Upper

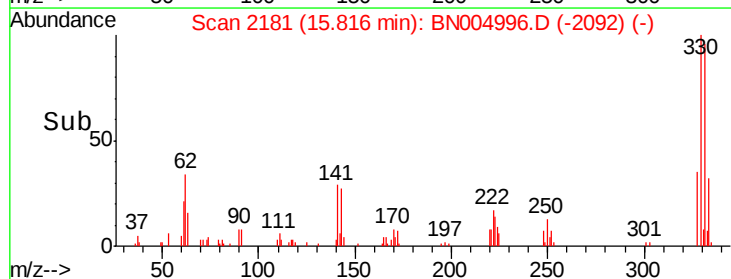
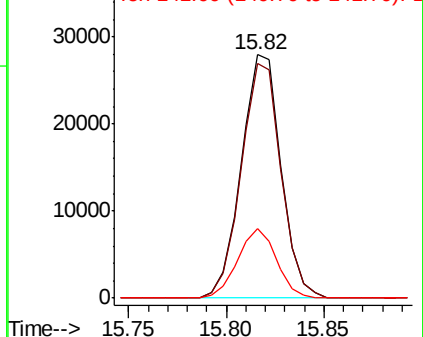
330 100

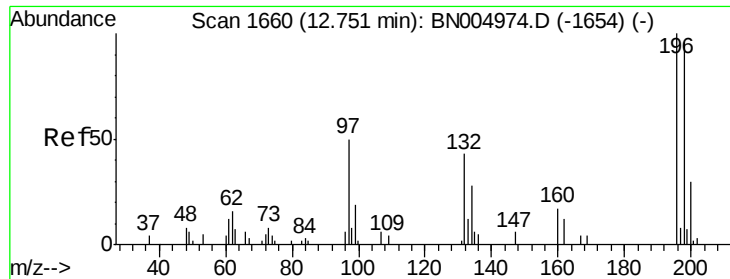
332 96.7 77.4 116.0

141 27.8 22.1 33.1



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

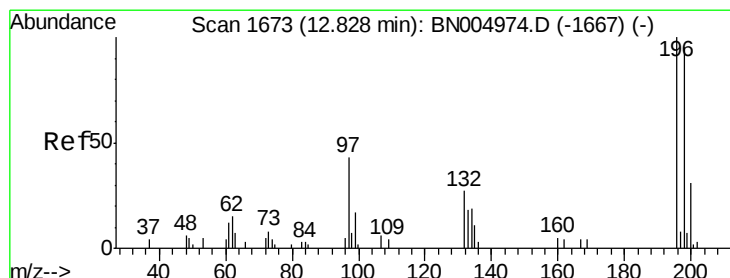
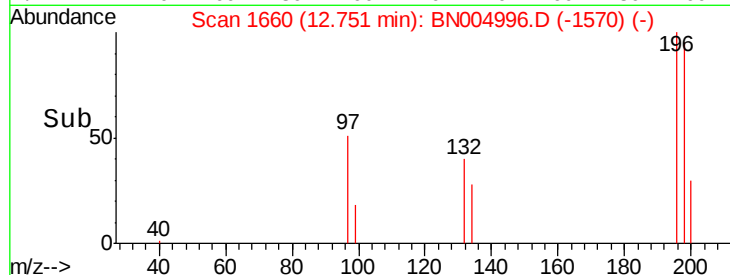
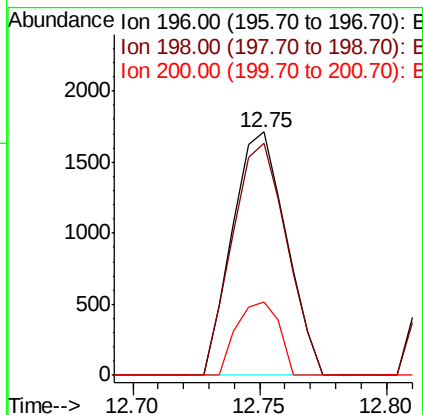
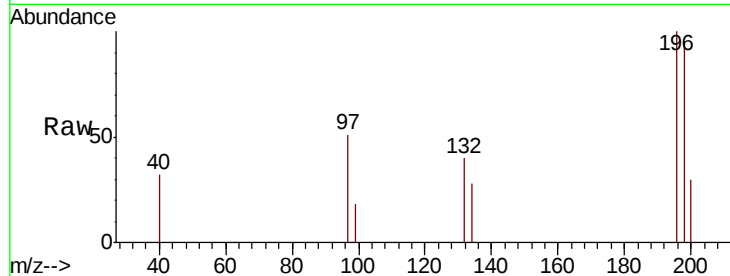




#43
 2,4,6-Trichlorophenol
 Concen: 6.529 ng
 RT: 12.75 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: BN004996.D
 Acq: 27 Mar 2019 15:43

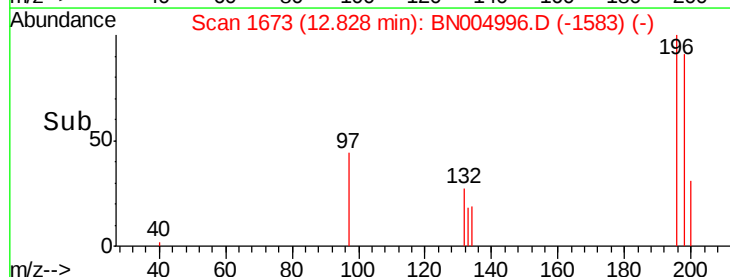
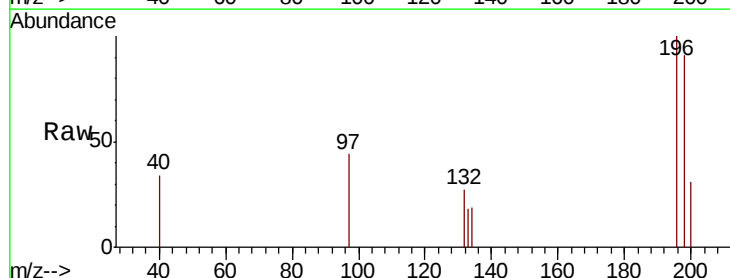
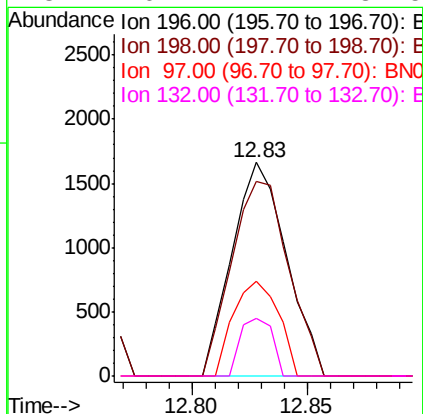
Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT1-2019

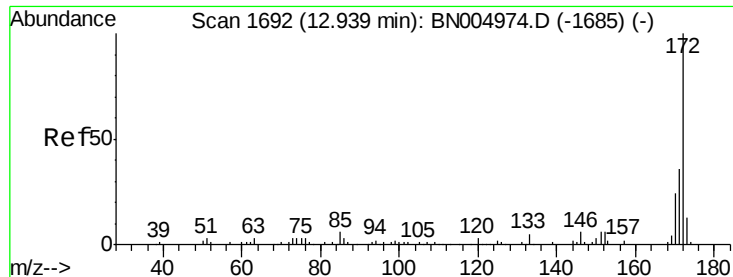
Tgt Ion:196 Resp: 2542
 Ion Ratio Lower Upper
 196 100
 198 95.3 76.5 114.7
 200 30.1 24.0 36.0



#44
 2,4,5-Trichlorophenol
 Concen: 6.431 ng
 RT: 12.83 min Scan# 1673
 Delta R.T. 0.00 min
 Lab File: BN004996.D
 Acq: 27 Mar 2019 15:43

Tgt Ion:196 Resp: 2728
 Ion Ratio Lower Upper
 196 100
 198 90.9 76.1 114.1
 97 44.2 34.8 52.2
 132 26.7 21.7 32.5

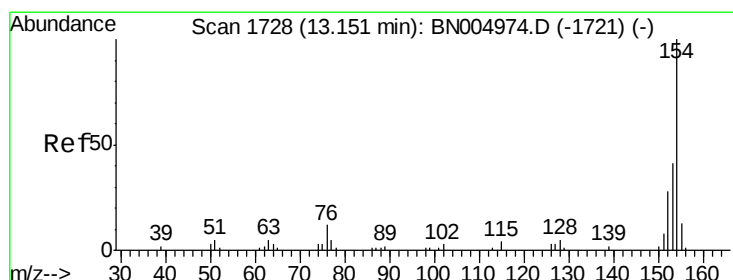
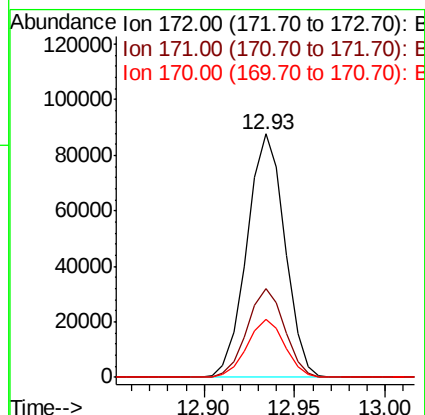
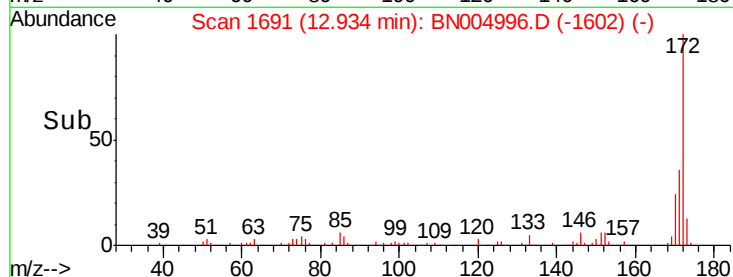
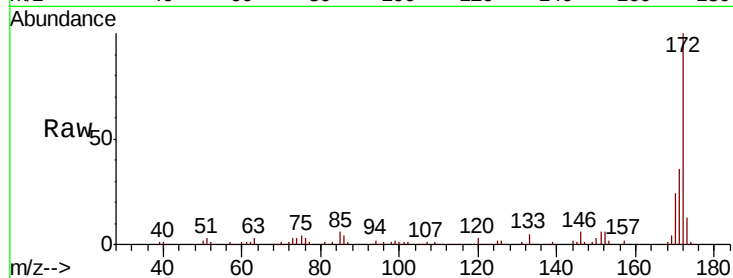




#45
2-Fluorobiphenyl
Concen: 95.511 ng
RT: 12.93 min Scan# 1691
Delta R.T. -0.01 min
Lab File: BN004996.D
Acq: 27 Mar 2019 15:43

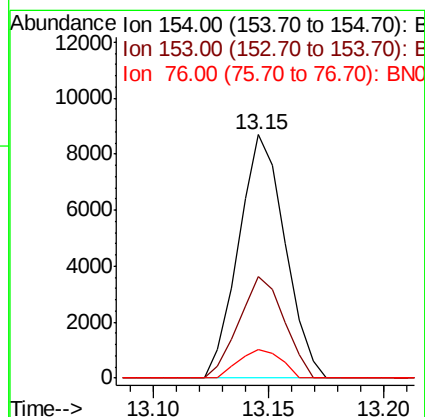
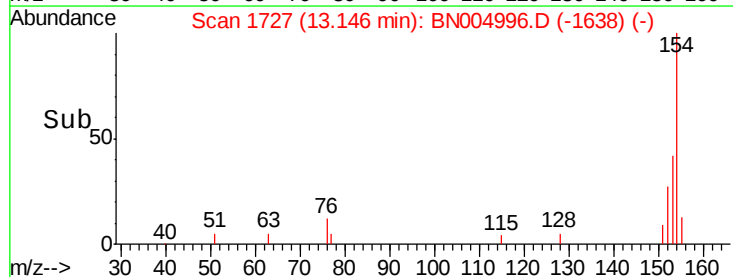
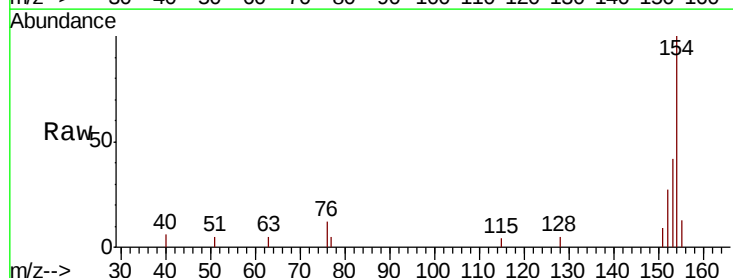
Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

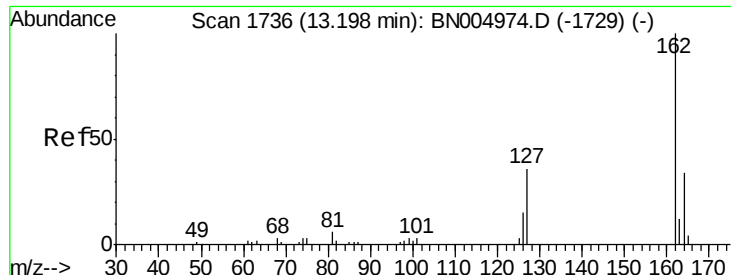
Tgt Ion:172 Resp: 127511
Ion Ratio Lower Upper
172 100
171 36.2 28.6 42.8
170 23.6 18.9 28.3



#46
1,1'-Biphenyl
Concen: 8.114 ng
RT: 13.15 min Scan# 1727
Delta R.T. -0.01 min
Lab File: BN004996.D
Acq: 27 Mar 2019 15:43

Tgt Ion:154 Resp: 12149
Ion Ratio Lower Upper
154 100
153 41.5 21.2 61.2
76 11.6 0.0 32.2

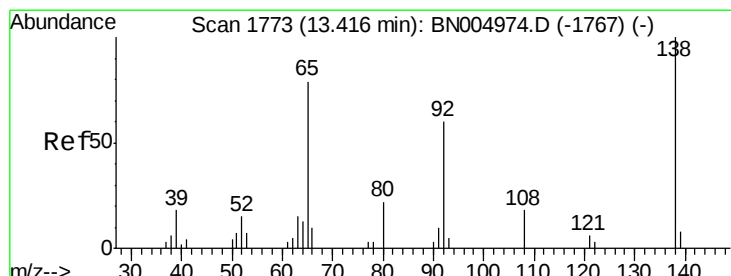
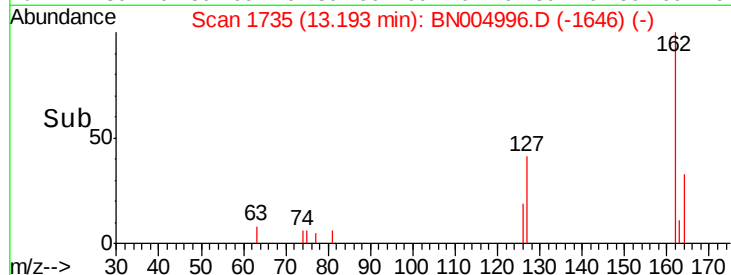
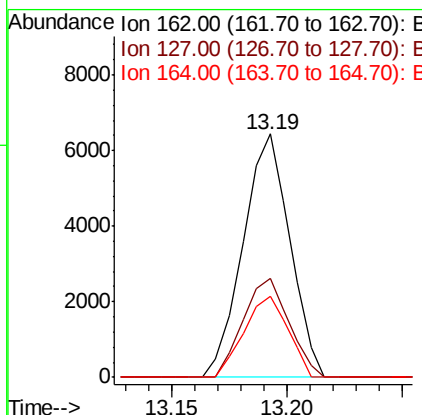
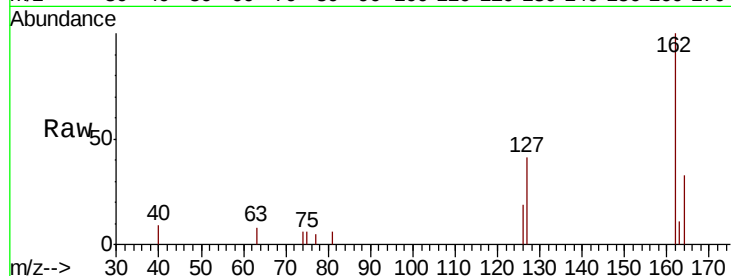




#47
 2-Chloronaphthalene
 Concen: 7.902 ng
 RT: 13.19 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: BN004996.D
 Acq: 27 Mar 2019 15:43

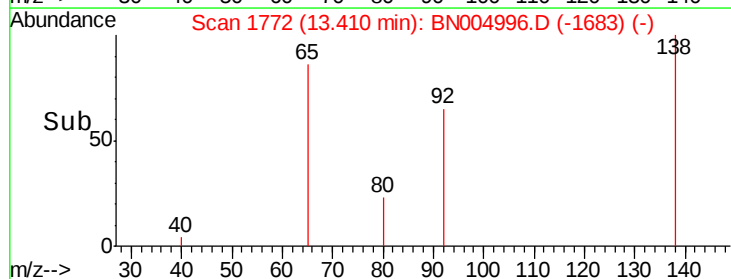
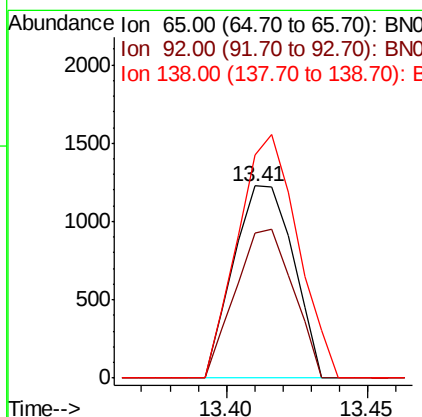
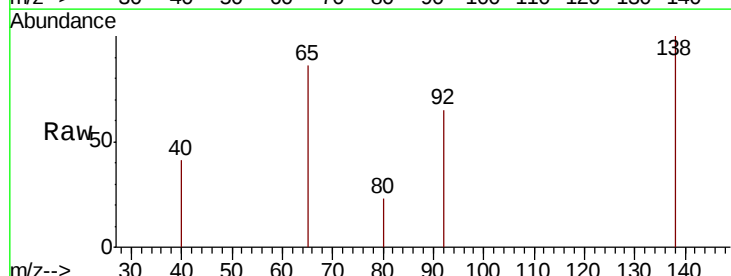
Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT1-2019

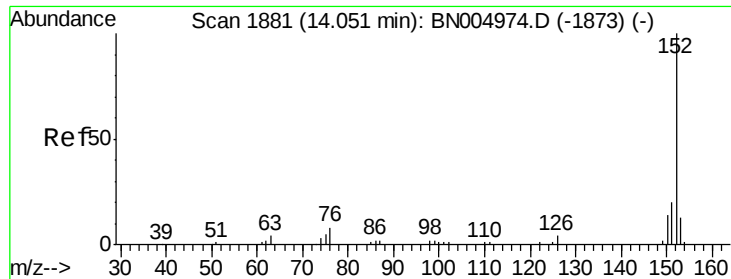
Tgt Ion: 162 Resp: 9079
 Ion Ratio Lower Upper
 162 100
 127 40.8 32.4 48.6
 164 33.1 26.8 40.2



#48
 2-Nitroaniline
 Concen: 5.898 ng
 RT: 13.41 min Scan# 1772
 Delta R.T. -0.01 min
 Lab File: BN004996.D
 Acq: 27 Mar 2019 15:43

Tgt Ion: 65 Resp: 1804
 Ion Ratio Lower Upper
 65 100
 92 75.8 60.2 90.4
 138 116.2 101.1 151.7





#49

Acenaphthylene

Concen: 7.750 ng

RT: 14.04 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BN004996.D

Acq: 27 Mar 2019 15:43

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

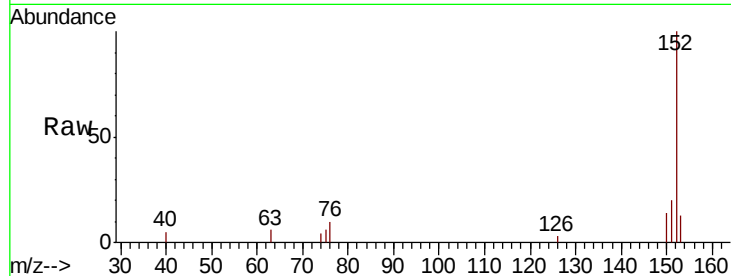
Tgt Ion:152 Resp: 14977

Ion Ratio Lower Upper

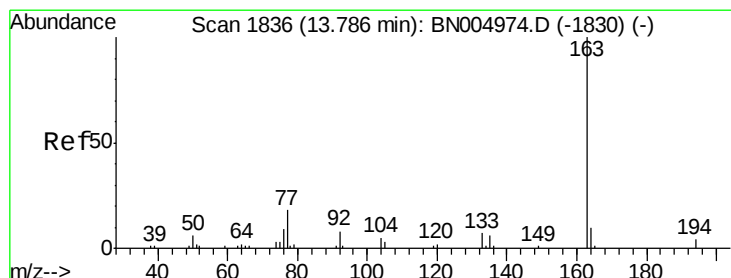
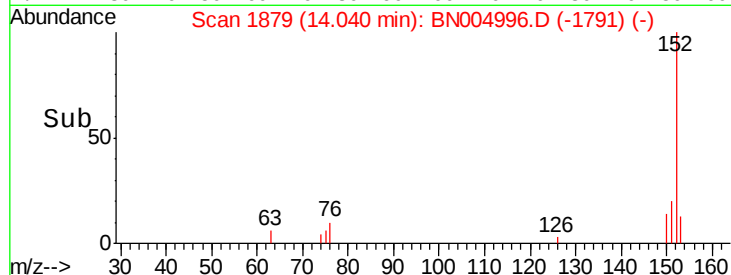
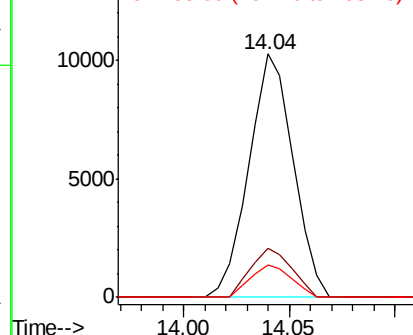
152 100

151 20.3 16.2 24.2

153 13.4 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 7.630 ng

RT: 13.77 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BN004996.D

Acq: 27 Mar 2019 15:43

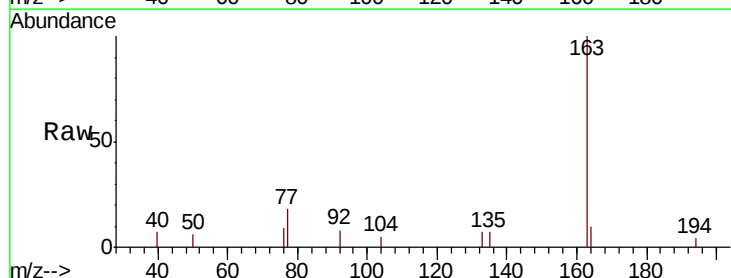
Tgt Ion:163 Resp: 11090

Ion Ratio Lower Upper

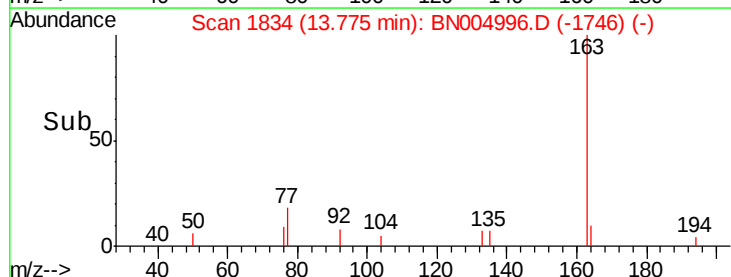
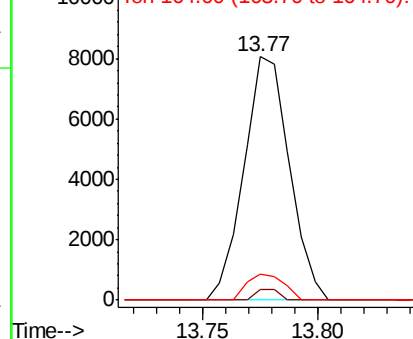
163 100

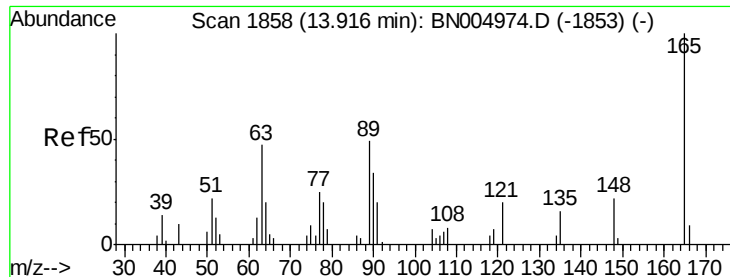
194 4.1 3.4 5.0

164 10.5 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

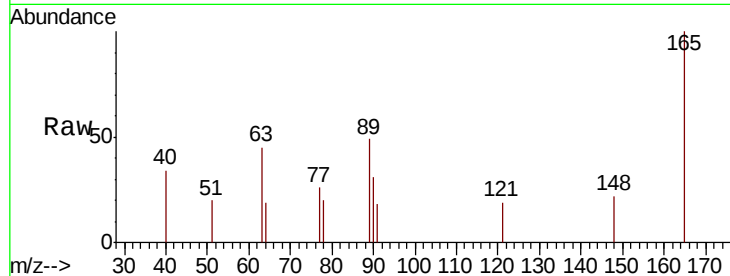




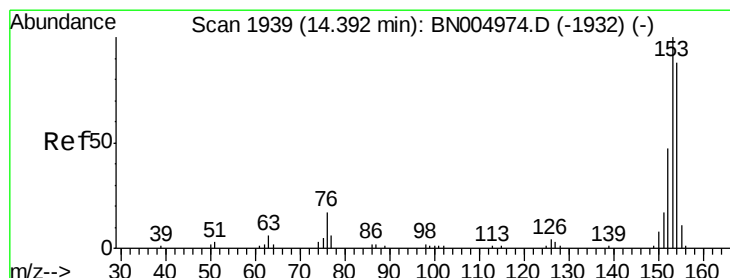
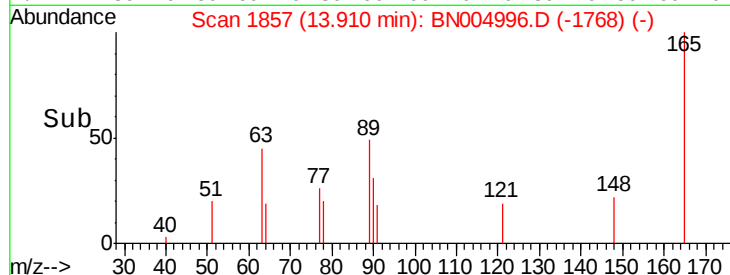
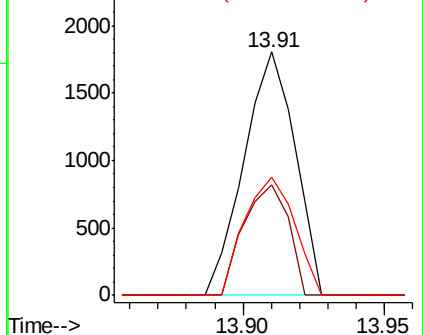
#51
2,6-Dinitrotoluene
Concen: 6.839 ng
RT: 13.91 min Scan# 1857
Delta R.T. -0.01 min
Lab File: BN004996.D
Acq: 27 Mar 2019 15:43

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:165 Resp: 2262
Ion Ratio Lower Upper
165 100
63 45.5 37.3 55.9
89 48.5 39.2 58.8

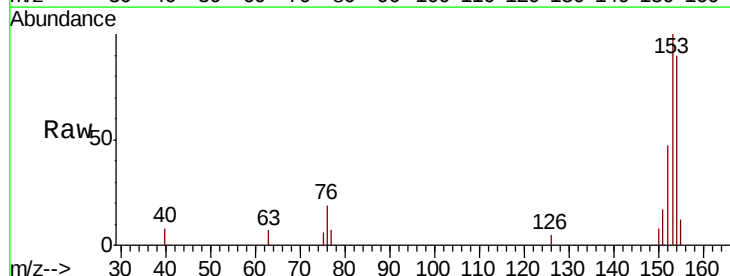


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BNO
Ion 89.00 (88.70 to 89.70): BNO

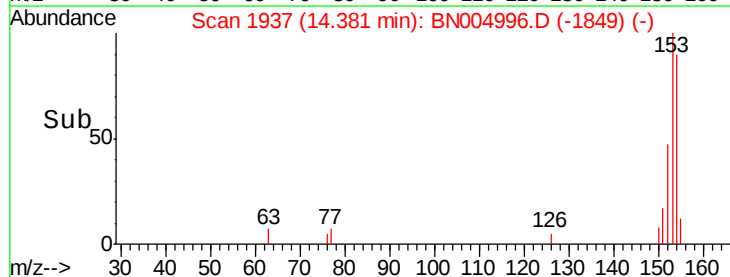
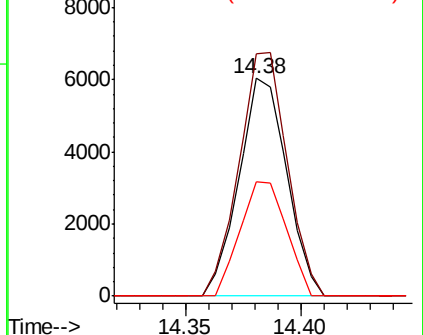


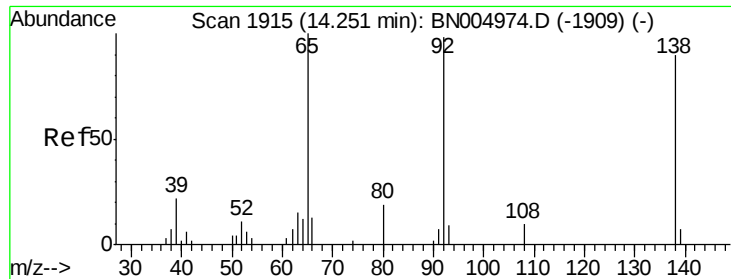
#52
Acenaphthene
Concen: 7.997 ng
RT: 14.38 min Scan# 1937
Delta R.T. -0.01 min
Lab File: BN004996.D
Acq: 27 Mar 2019 15:43

Tgt Ion:154 Resp: 8694
Ion Ratio Lower Upper
154 100
153 111.4 91.0 136.4
152 52.2 43.0 64.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

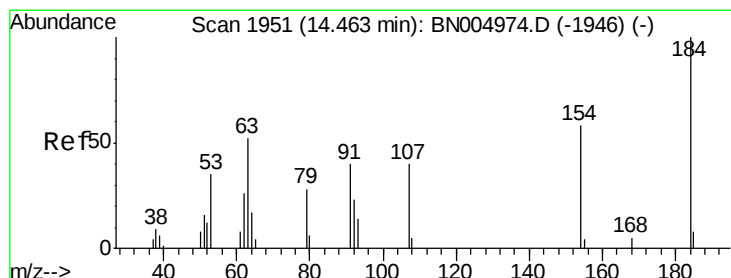
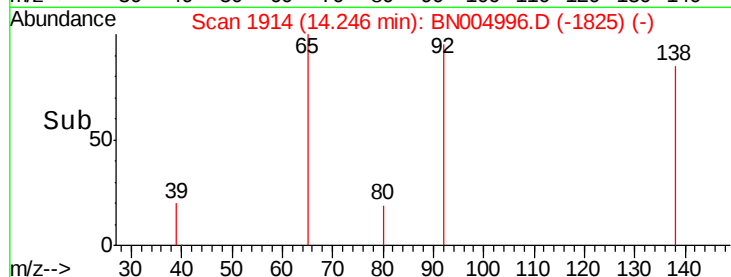
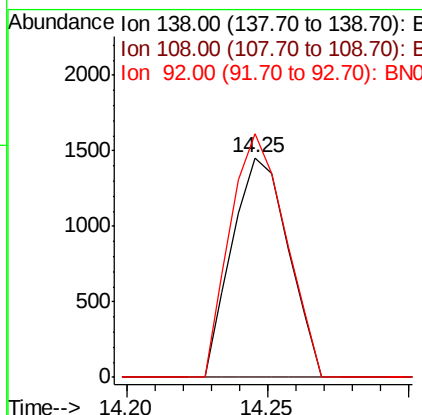
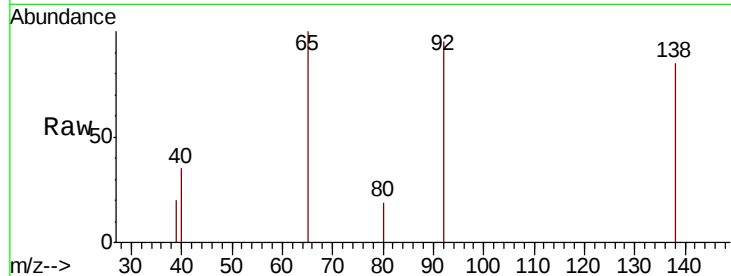




#53
 3-Nitroaniline
 Concen: 5.961 ng
 RT: 14.25 min Scan# 1914
 Delta R.T. -0.01 min
 Lab File: BN004996.D
 Acq: 27 Mar 2019 15:43

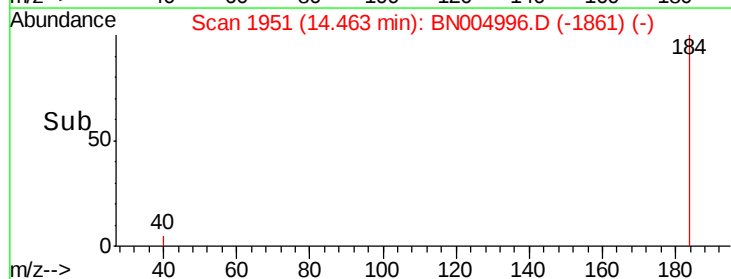
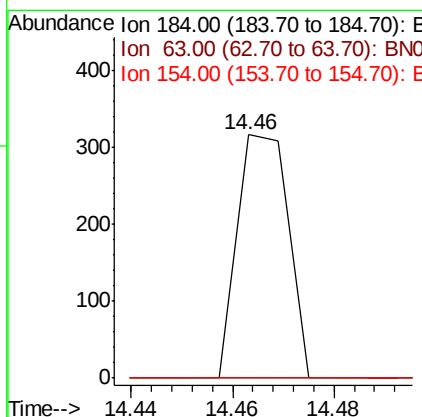
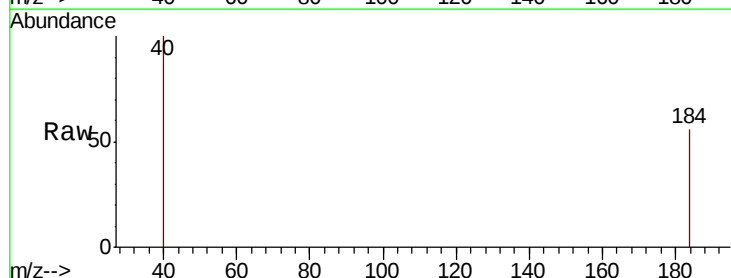
Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT1-2019

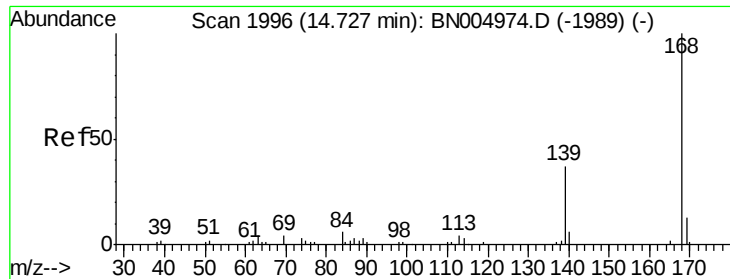
Tgt Ion:138 Resp: 2015
 Ion Ratio Lower Upper
 138 100
 108 0.0 8.6 12.8#
 92 110.9 86.9 130.3



#54
 2,4-Dinitrophenol
 Concen: 8.228 ng
 RT: 14.46 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: BN004996.D
 Acq: 27 Mar 2019 15:43

Tgt Ion:184 Resp: 221
 Ion Ratio Lower Upper
 184 100
 63 0.0 41.6 62.4#
 154 0.0 46.8 70.2#





#55

Dibenzenofuran

Concen: 7.963 ng

RT: 14.72 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BN004996.D

Acq: 27 Mar 2019 15:43

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

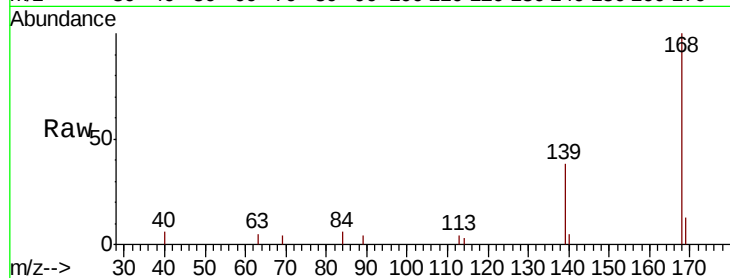
Tgt Ion:168 Resp: 13775

Ion Ratio Lower Upper

168 100

139 38.1 29.9 44.9

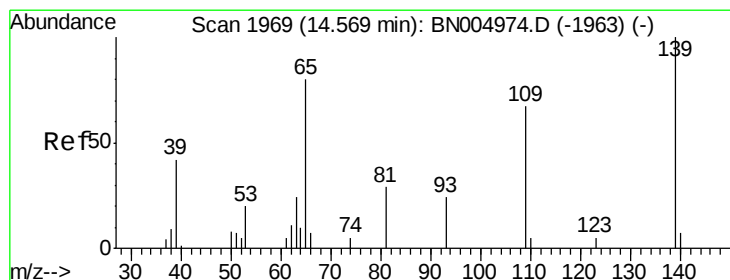
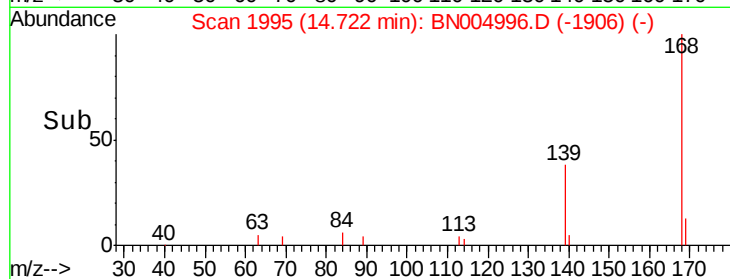
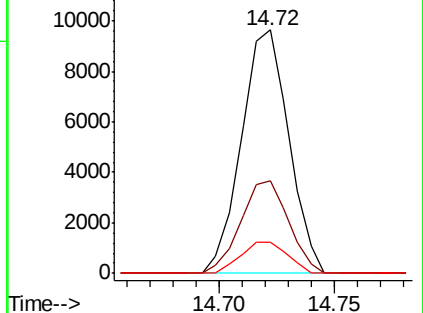
169 12.9 10.6 15.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 3.613 ng

RT: 14.57 min Scan# 1970

Delta R.T. 0.01 min

Lab File: BN004996.D

Acq: 27 Mar 2019 15:43

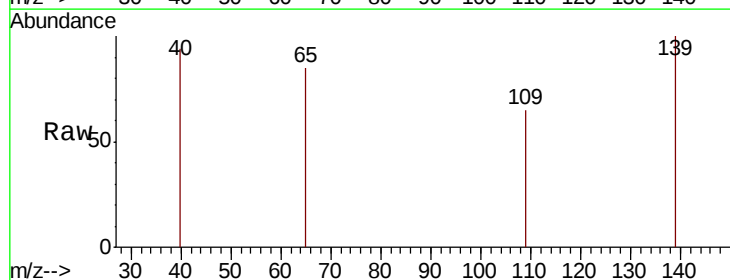
Tgt Ion:139 Resp: 962

Ion Ratio Lower Upper

139 100

109 65.0 46.5 86.5

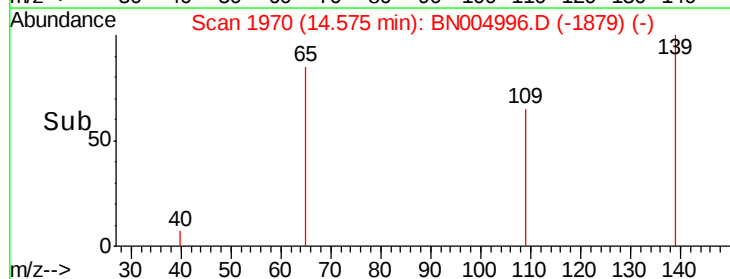
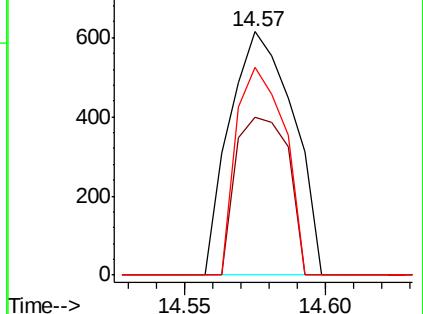
65 85.4 59.5 99.5

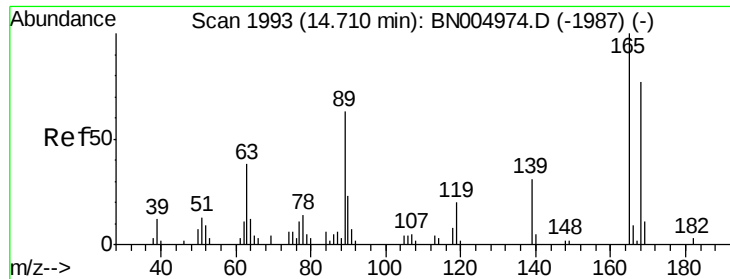


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BNC

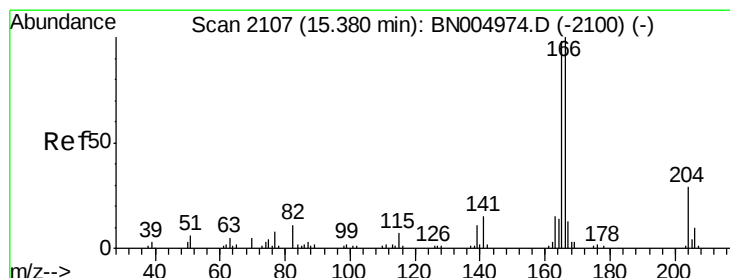
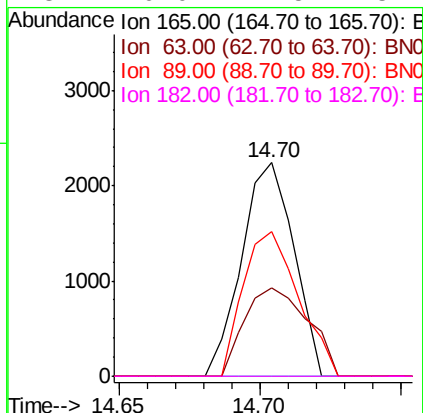
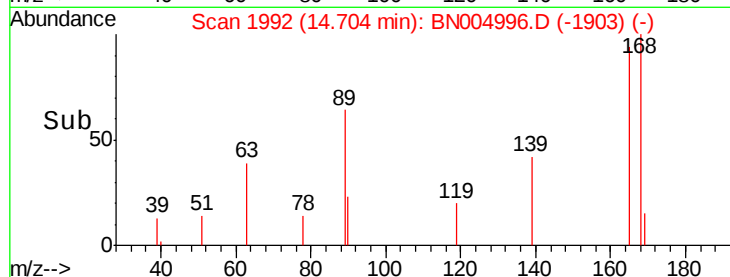
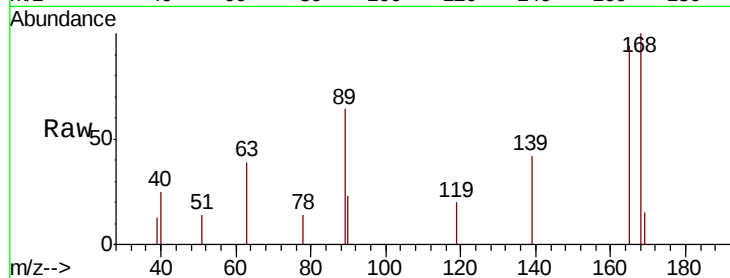




#57
2,4-Dinitrotoluene
Concen: 6.381 ng
RT: 14.70 min Scan# 1992
Delta R.T. -0.01 min
Lab File: BN004996.D
Acq: 27 Mar 2019 15:43

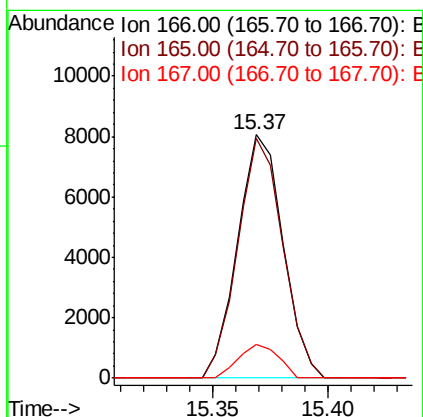
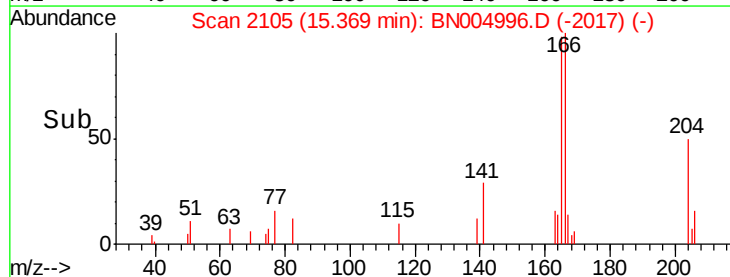
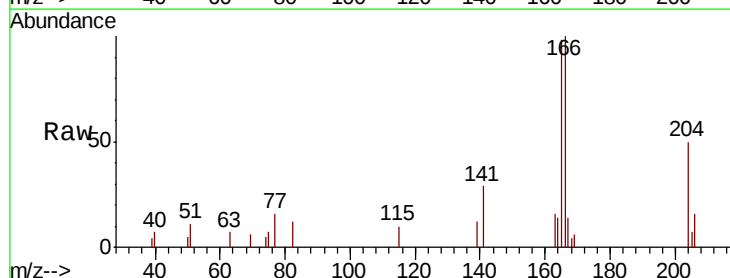
Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

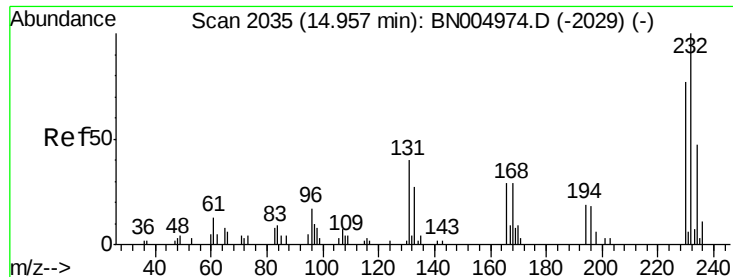
Tgt Ion:165 Resp: 2868
Ion Ratio Lower Upper
165 100
63 41.4 30.4 45.6
89 67.5 50.7 76.1
182 0.0 2.5 3.7#



#58
Fluorene
Concen: 7.919 ng
RT: 15.37 min Scan# 2105
Delta R.T. -0.01 min
Lab File: BN004996.D
Acq: 27 Mar 2019 15:43

Tgt Ion:166 Resp: 11066
Ion Ratio Lower Upper
166 100
165 98.4 78.3 117.5
167 13.7 10.6 15.8

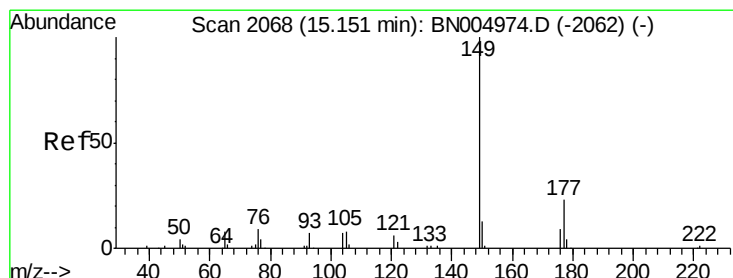
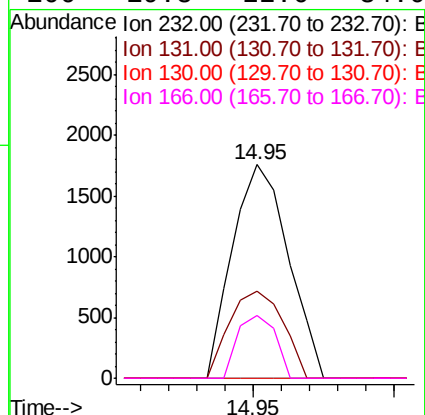
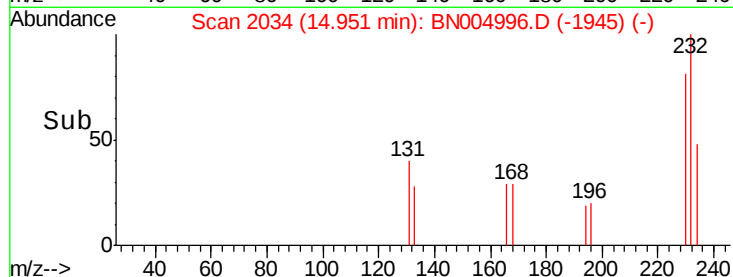
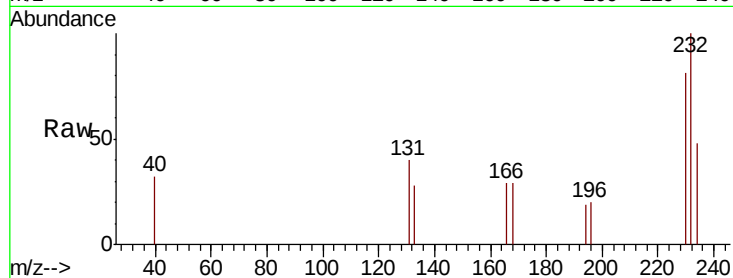




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 6.136 ng
 RT: 14.95 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BN004996.D
 Acq: 27 Mar 2019 15:43

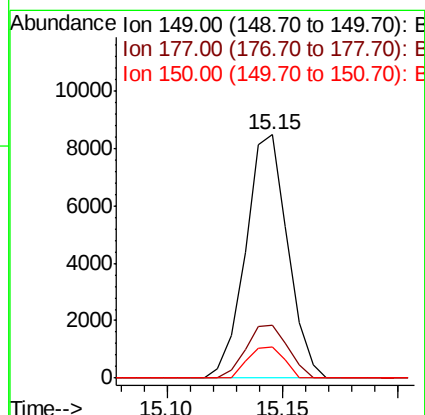
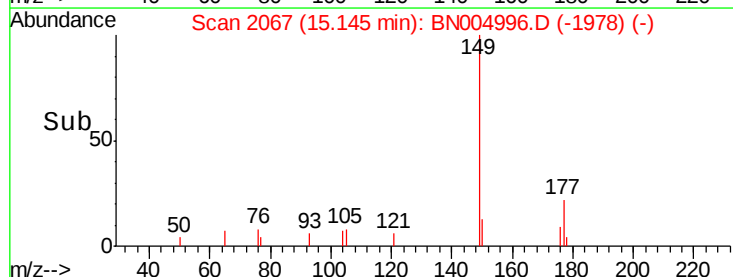
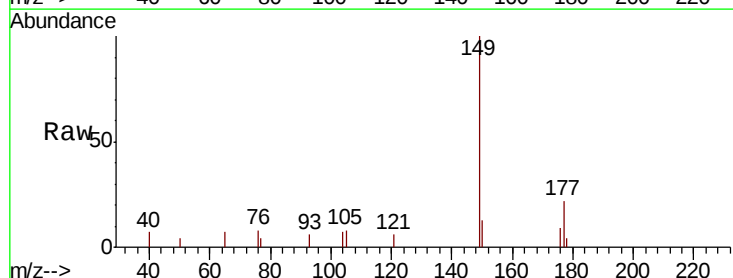
Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT1-2019

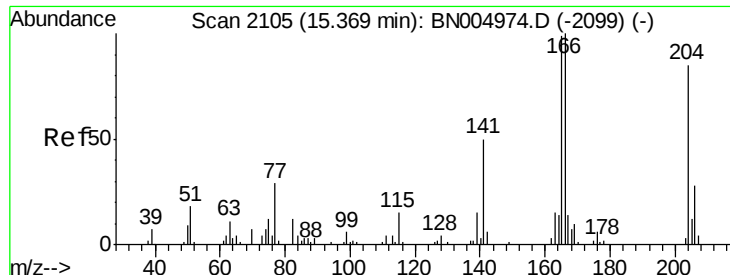
Tgt Ion: 232 Resp: 2413
 Ion Ratio Lower Upper
 232 100
 131 38.9 32.4 48.6
 130 0.0 0.9 1.3#
 166 19.8 22.6 34.0#



#60
 Diethylphthalate
 Concen: 7.411 ng
 RT: 15.15 min Scan# 2067
 Delta R.T. -0.01 min
 Lab File: BN004996.D
 Acq: 27 Mar 2019 15:43

Tgt Ion: 149 Resp: 10748
 Ion Ratio Lower Upper
 149 100
 177 21.8 18.1 27.1
 150 12.6 10.1 15.1

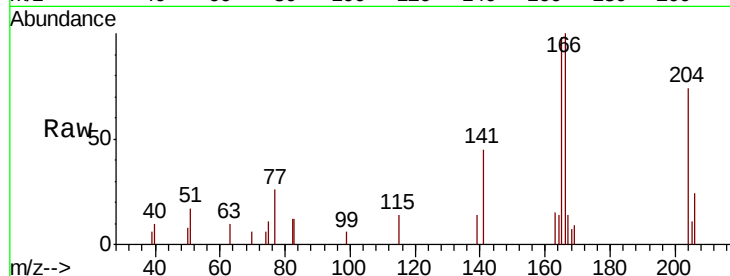




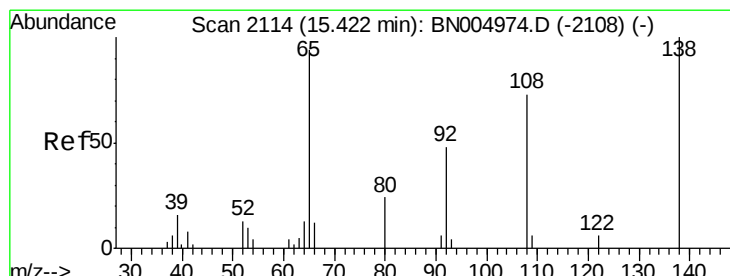
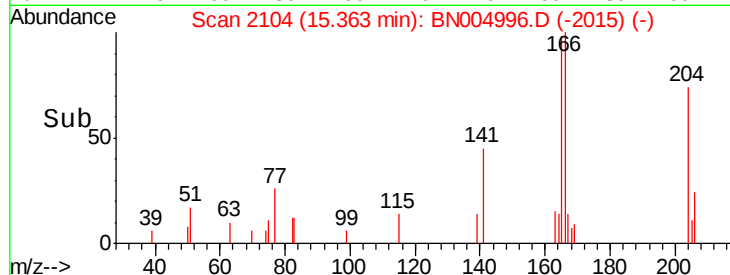
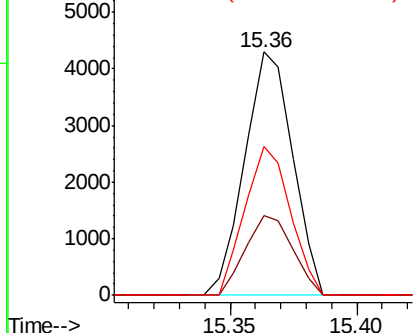
#61
 4-Chlorophenyl-phenylether
 Concen: 7.844 ng
 RT: 15.36 min Scan# 2104
 Delta R.T. -0.01 min
 Lab File: BN004996.D
 Acq: 27 Mar 2019 15:43

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:204 Resp: 5655
 Ion Ratio Lower Upper
 204 100
 206 32.9 26.5 39.7
 141 61.3 47.2 70.8

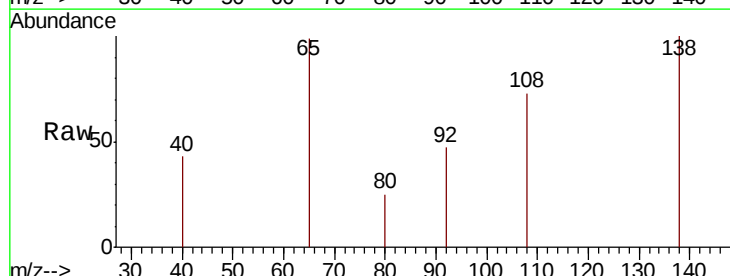


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

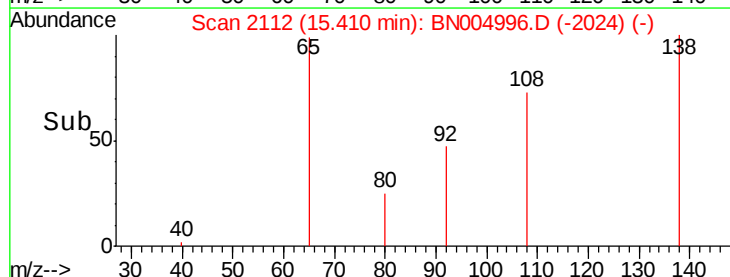
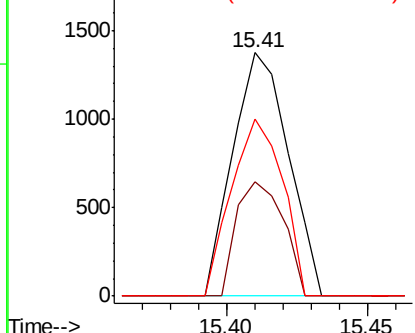


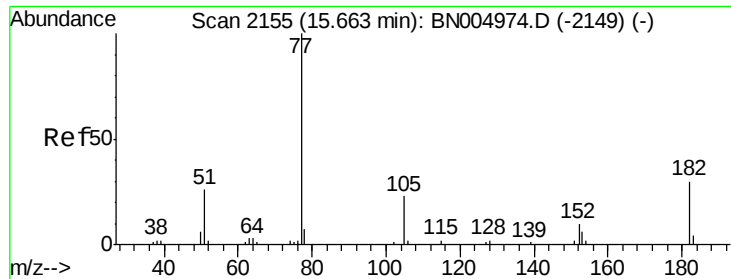
#62
 4-Nitroaniline
 Concen: 5.530 ng
 RT: 15.41 min Scan# 2112
 Delta R.T. -0.01 min
 Lab File: BN004996.D
 Acq: 27 Mar 2019 15:43

Tgt Ion:138 Resp: 1878
 Ion Ratio Lower Upper
 138 100
 92 47.1 26.4 66.4
 108 72.9 50.8 90.8



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BNC
 Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 7.509 ng

RT: 15.66 min Scan# 2154

Delta R.T. -0.01 min

Lab File: BN004996.D

Acq: 27 Mar 2019 15:43

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

Tgt Ion: 77 Resp: 9066

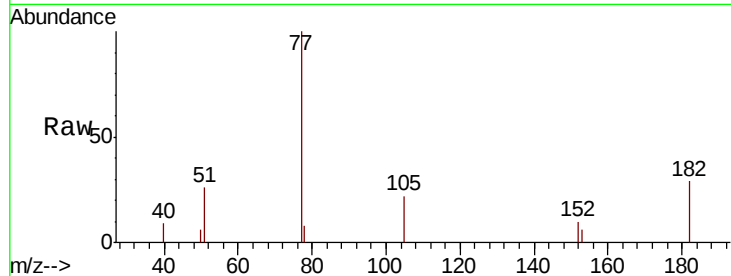
Ion Ratio Lower Upper

77 100

182 29.0 10.0 50.0

105 21.9 2.9 42.9

51 25.5 6.0 46.0

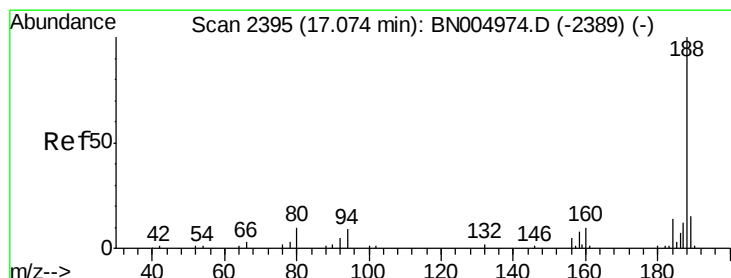
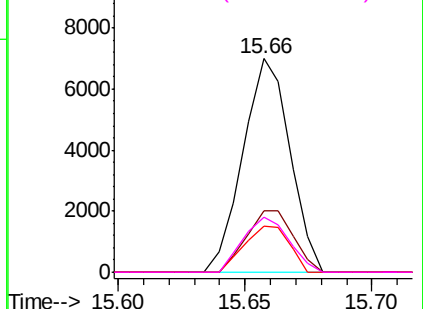
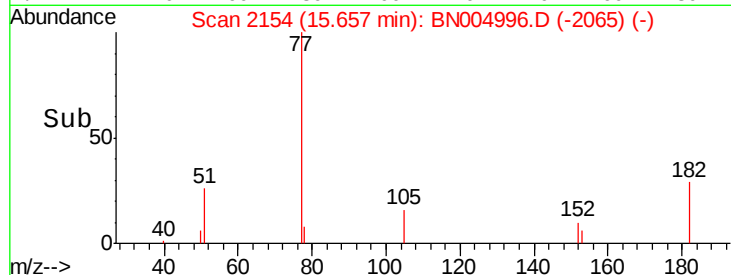


Abundance Ion 77.00 (76.70 to 77.70): BNC

Ion 182.00 (181.70 to 182.70): BNC

Ion 105.00 (104.70 to 105.70): BNC

Ion 51.00 (50.70 to 51.70): BNC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.07 min Scan# 2394

Delta R.T. -0.01 min

Lab File: BN004996.D

Acq: 27 Mar 2019 15:43

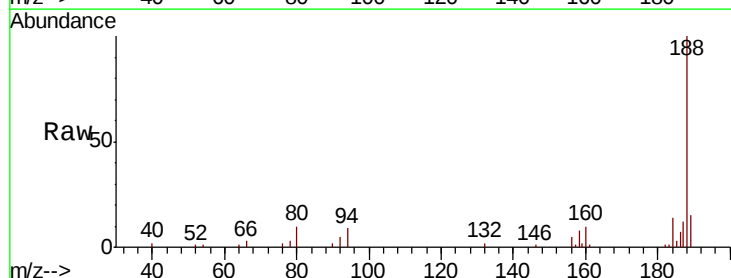
Tgt Ion: 188 Resp: 37984

Ion Ratio Lower Upper

188 100

94 8.7 7.2 10.8

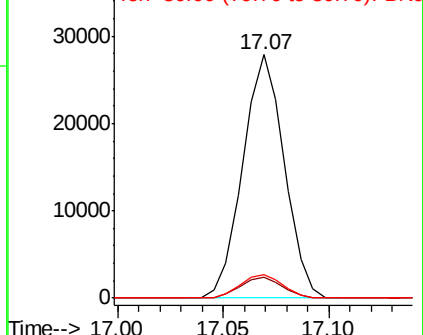
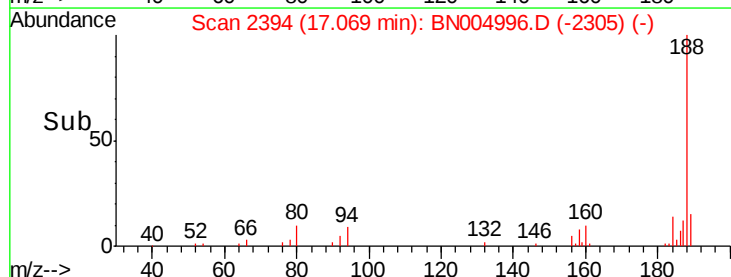
80 9.8 7.8 11.6

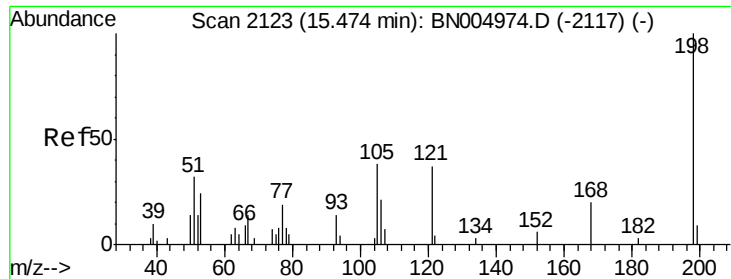


Abundance Ion 188.00 (187.70 to 188.70): BNC

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC

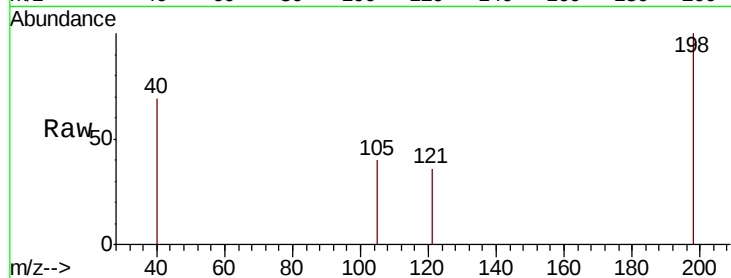




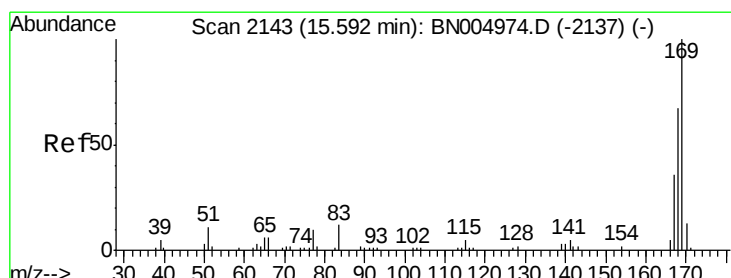
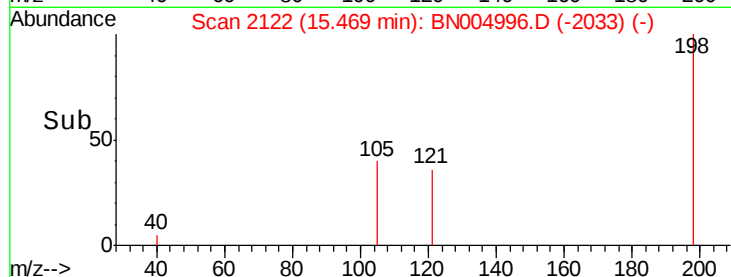
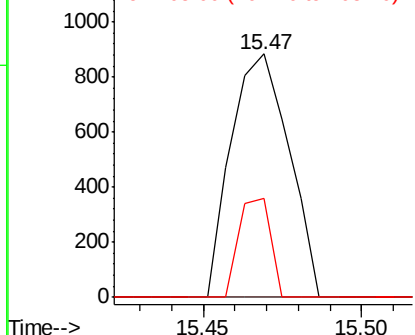
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.237 ng
 RT: 15.47 min Scan# 2122
 Delta R.T. -0.01 min
 Lab File: BN004996.D
 Acq: 27 Mar 2019 15:43

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:198 Resp: 1118
 Ion Ratio Lower Upper
 198 100
 51 0.0 12.0 52.0#
 105 40.5 17.6 57.6

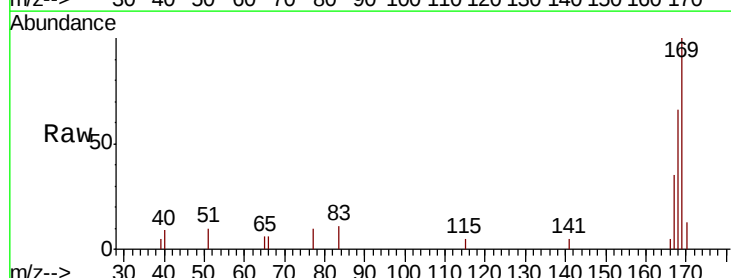


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BNO
 Ion 105.00 (104.70 to 105.70): E

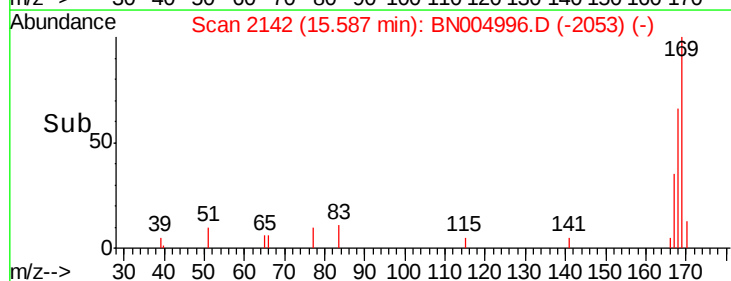
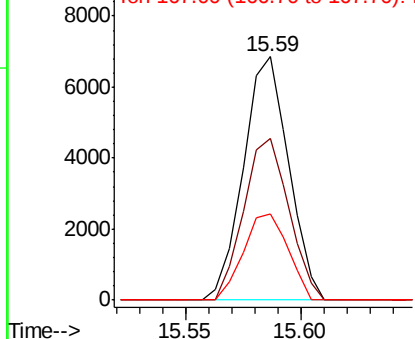


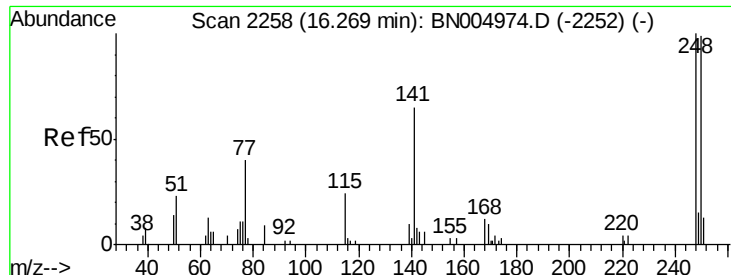
#66
 n-Nitrosodiphenylamine
 Concen: 7.816 ng
 RT: 15.59 min Scan# 2142
 Delta R.T. -0.01 min
 Lab File: BN004996.D
 Acq: 27 Mar 2019 15:43

Tgt Ion:169 Resp: 9352
 Ion Ratio Lower Upper
 169 100
 168 66.4 53.4 80.2
 167 35.5 28.9 43.3



Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

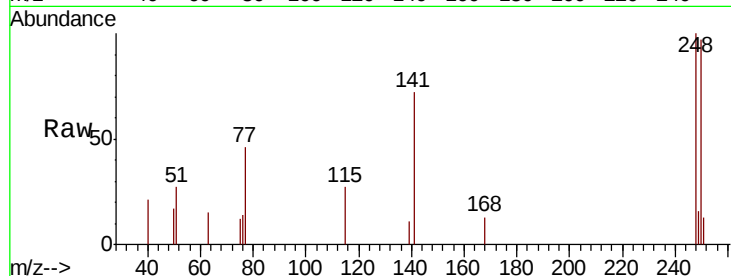




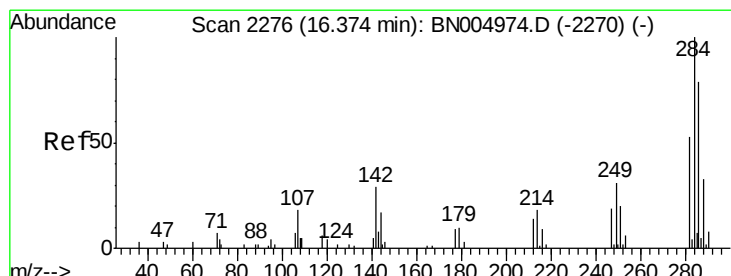
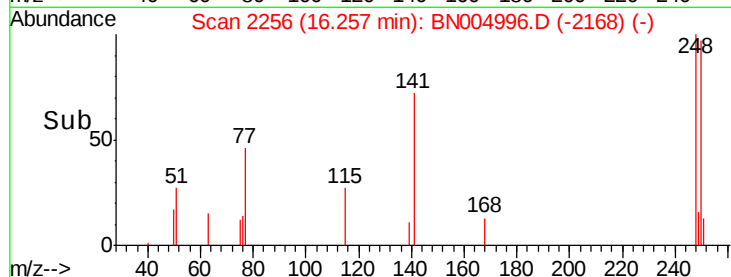
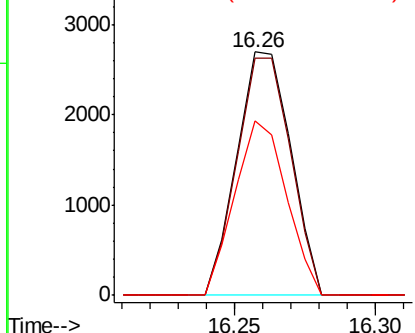
#67
 4-Bromophenyl-phenylether
 Concen: 7.540 ng
 RT: 16.26 min Scan# 2256
 Delta R.T. -0.01 min
 Lab File: BN004996.D
 Acq: 27 Mar 2019 15:43

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT1-2019

Tgt Ion: 248 Resp: 3574
 Ion Ratio Lower Upper
 248 100
 250 97.2 79.4 119.2
 141 71.9 52.3 78.5

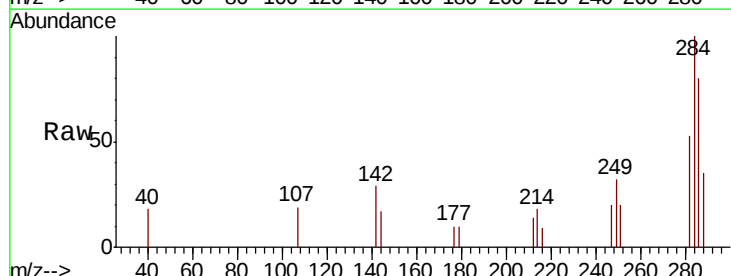


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

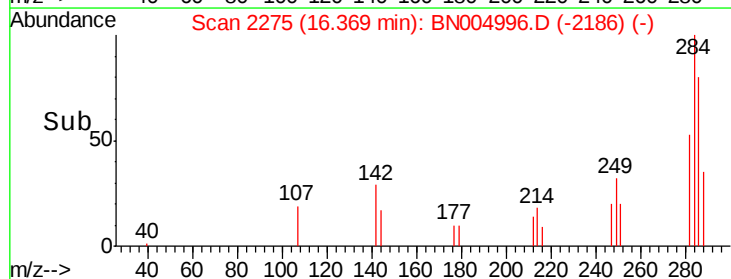
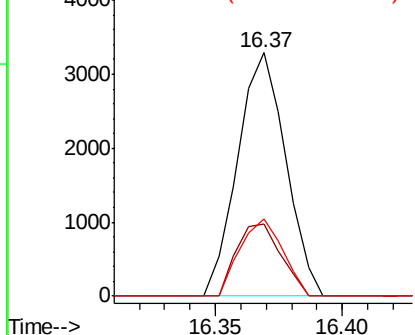


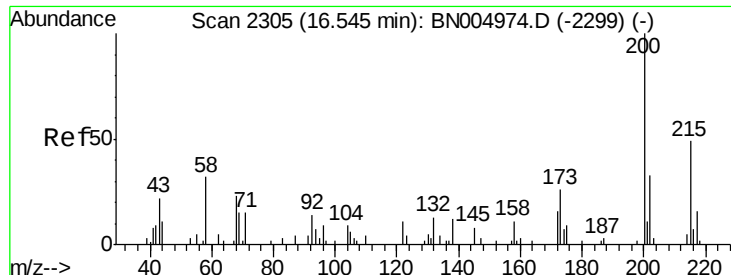
#68
 Hexachlorobenzene
 Concen: 7.792 ng
 RT: 16.37 min Scan# 2275
 Delta R.T. -0.01 min
 Lab File: BN004996.D
 Acq: 27 Mar 2019 15:43

Tgt Ion: 284 Resp: 4327
 Ion Ratio Lower Upper
 284 100
 142 29.5 23.5 35.3
 249 31.5 24.5 36.7



Abundance Ion 283.80 (283.50 to 284.50): E
 Ion 142.00 (141.70 to 142.70): E
 Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 7.011 ng

RT: 16.53 min Scan# 2303

Delta R.T. -0.01 min

Lab File: BN004996.D

Acq: 27 Mar 2019 15:43

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

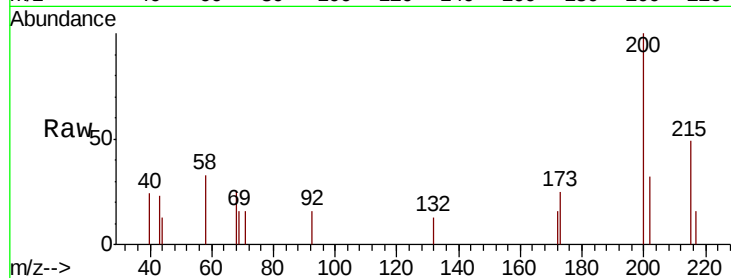
Tgt Ion:200 Resp: 2997

Ion Ratio Lower Upper

200 100

173 25.1 6.4 46.4

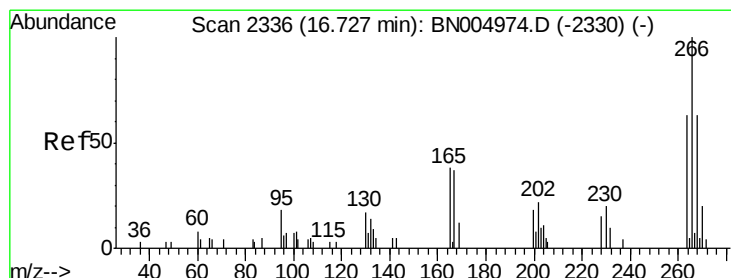
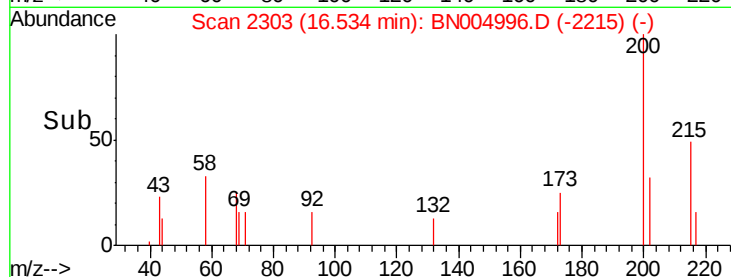
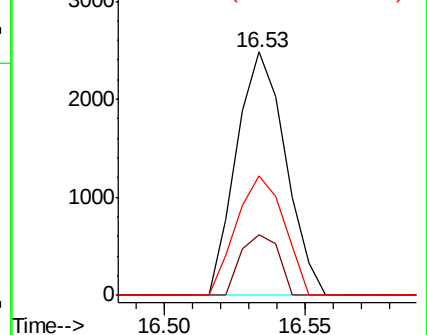
215 48.8 28.8 68.8



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 3.795 ng

RT: 16.73 min Scan# 2336

Delta R.T. 0.00 min

Lab File: BN004996.D

Acq: 27 Mar 2019 15:43

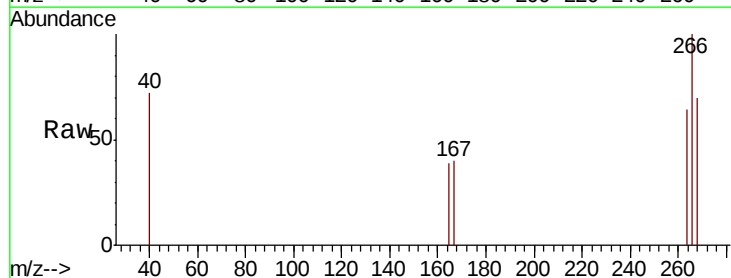
Tgt Ion:266 Resp: 1108

Ion Ratio Lower Upper

266 100

268 70.4 50.8 76.2

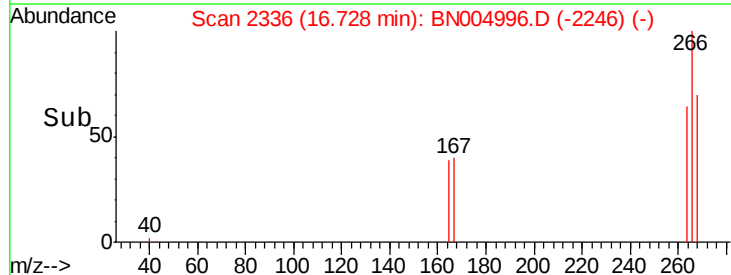
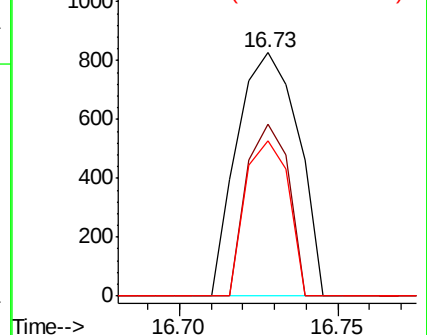
264 63.6 50.0 75.0

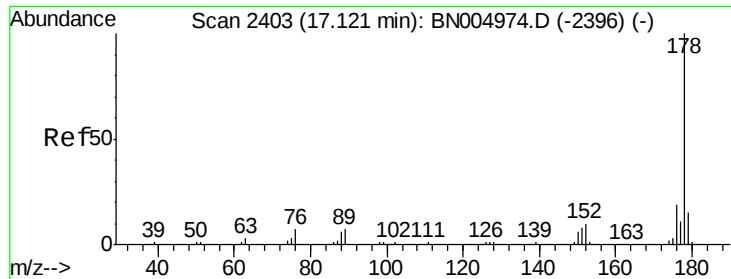


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

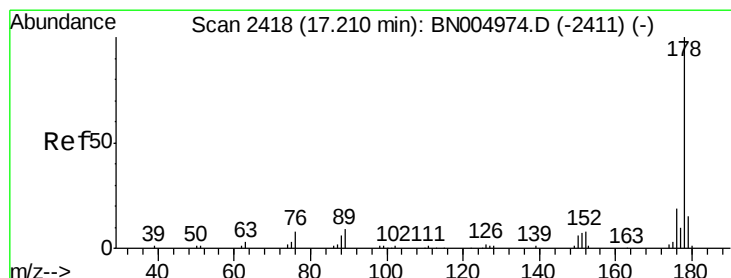
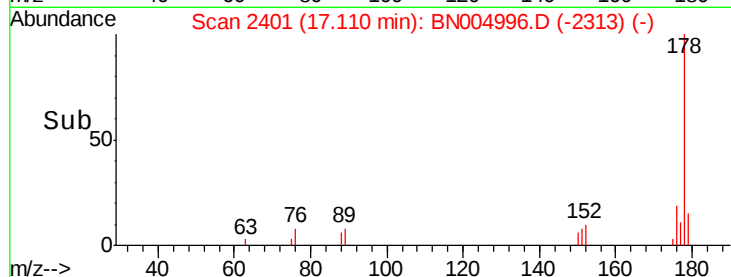
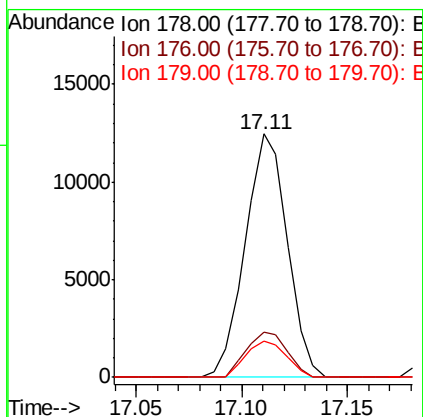
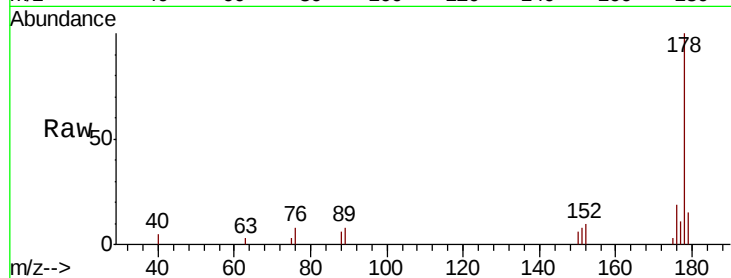




#71
Phenanthrene
Concen: 8.082 ng
RT: 17.11 min Scan# 2401
Delta R.T. -0.01 min
Lab File: BN004996.D
Acq: 27 Mar 2019 15:43

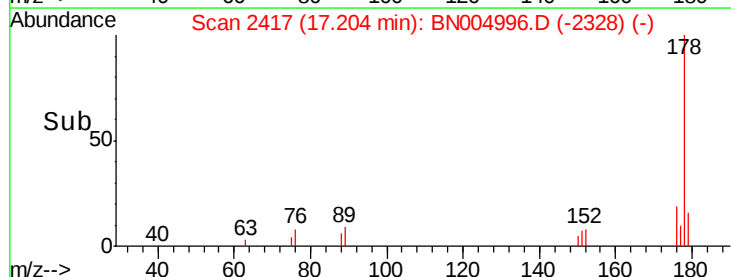
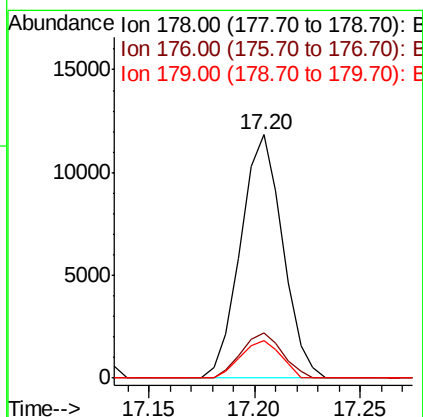
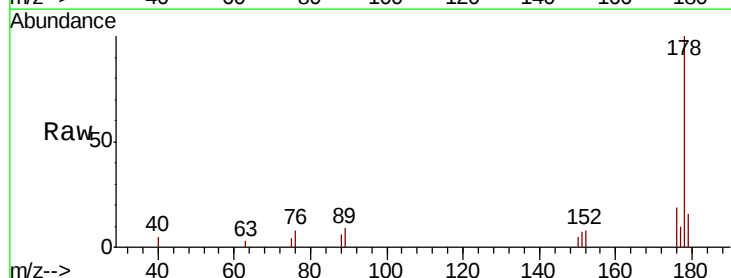
Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

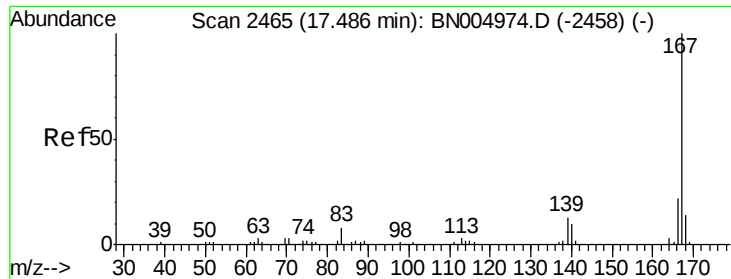
Tgt Ion:178 Resp: 17250
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.2
179 15.0 12.3 18.5



#72
Anthracene
Concen: 7.726 ng
RT: 17.20 min Scan# 2417
Delta R.T. -0.01 min
Lab File: BN004996.D
Acq: 27 Mar 2019 15:43

Tgt Ion:178 Resp: 16413
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.4
179 15.6 12.3 18.5

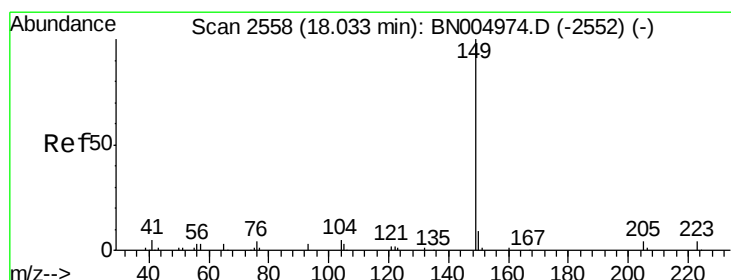
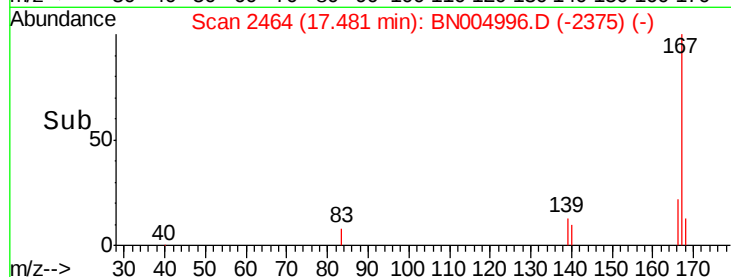
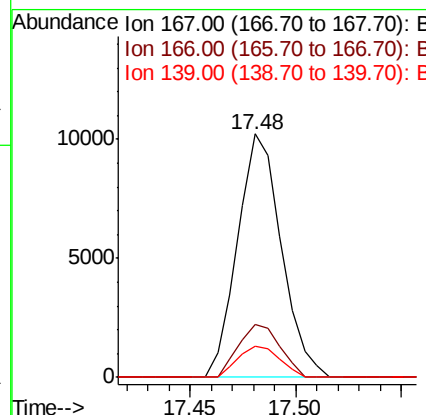
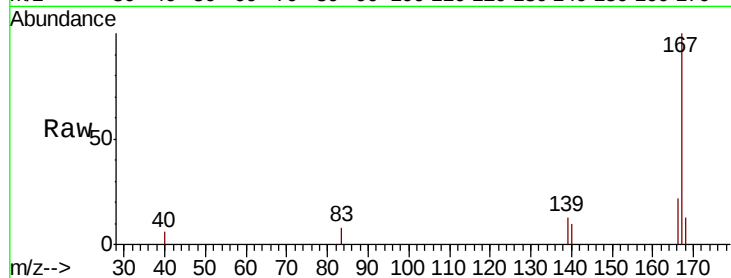




#73
 Carbazole
 Concen: 7.610 ng
 RT: 17.48 min Scan# 2464
 Delta R.T. -0.01 min
 Lab File: BN004996.D
 Acq: 27 Mar 2019 15:43

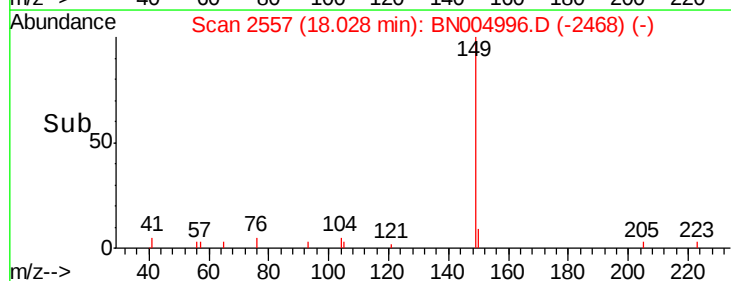
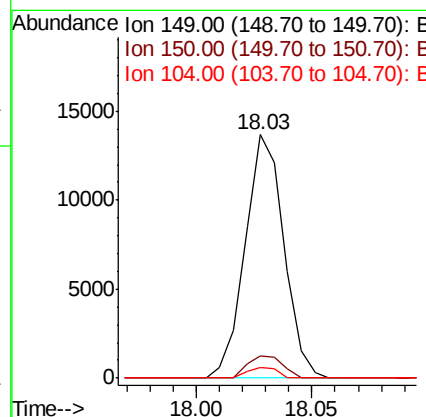
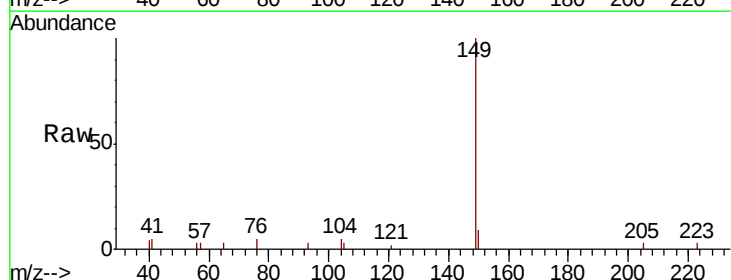
Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT1-2019

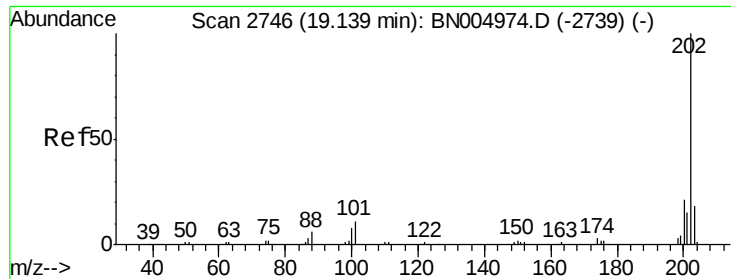
Tgt Ion:167 Resp: 14715
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.8 26.8
 139 12.7 10.6 16.0



#74
 Di-n-butylphthalate
 Concen: 6.812 ng
 RT: 18.03 min Scan# 2557
 Delta R.T. -0.01 min
 Lab File: BN004996.D
 Acq: 27 Mar 2019 15:43

Tgt Ion:149 Resp: 16046
 Ion Ratio Lower Upper
 149 100
 150 8.9 7.4 11.0
 104 4.6 3.7 5.5

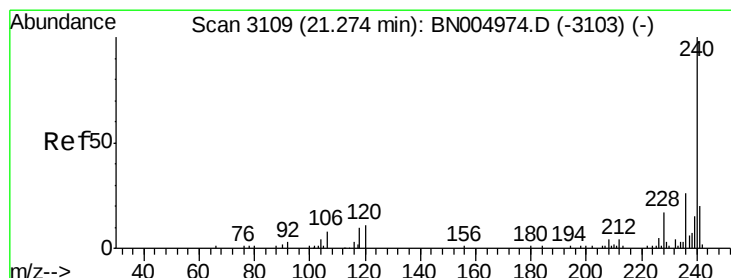
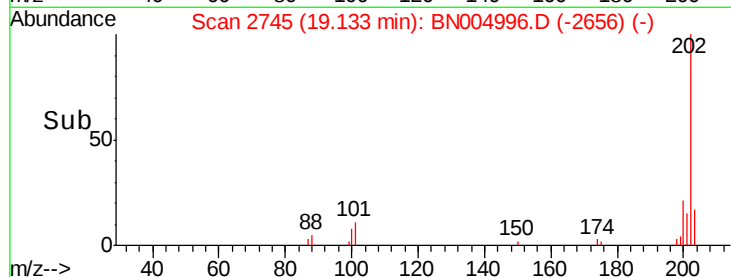
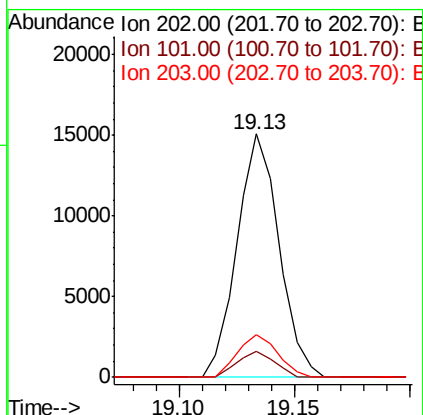
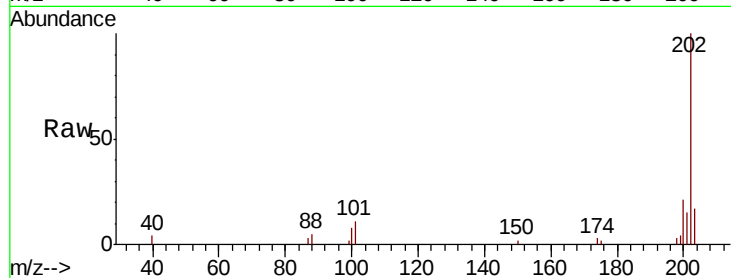




#75
 Fluoranthene
 Concen: 7.853 ng
 RT: 19.13 min Scan# 2745
 Delta R.T. -0.01 min
 Lab File: BN004996.D
 Acq: 27 Mar 2019 15:43

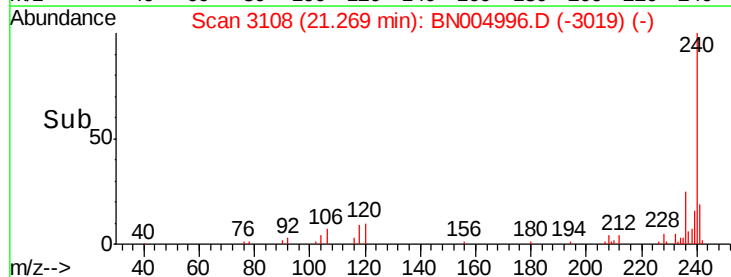
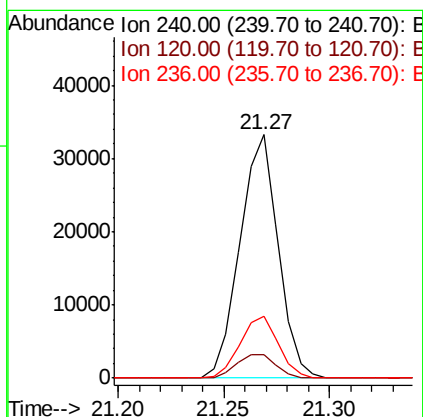
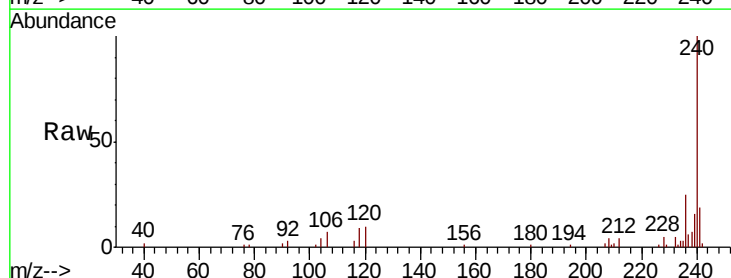
Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT1-2019

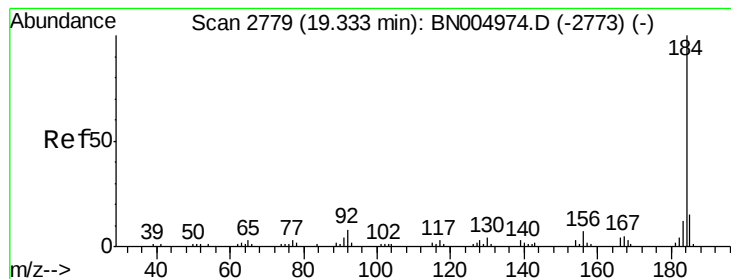
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	31.1
203	17.4	0.0	37.5



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.27 min Scan# 3108
 Delta R.T. -0.01 min
 Lab File: BN004996.D
 Acq: 27 Mar 2019 15:43

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.5	12.7
236	25.4	21.2	31.8





#77

Benzidine

Concen: 5.703 ng

RT: 19.33 min Scan# 2779

Delta R.T. 0.00 min

Lab File: BN004996.D

Acq: 27 Mar 2019 15:43

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

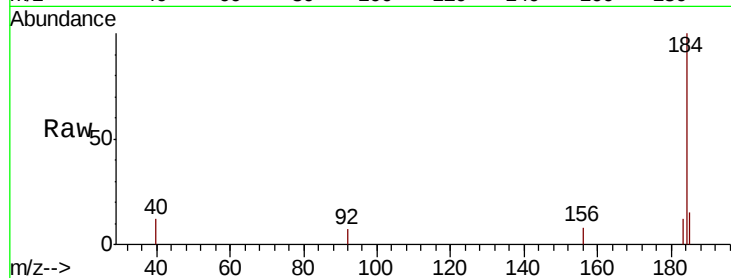
Tgt Ion:184 Resp: 7402

Ion Ratio Lower Upper

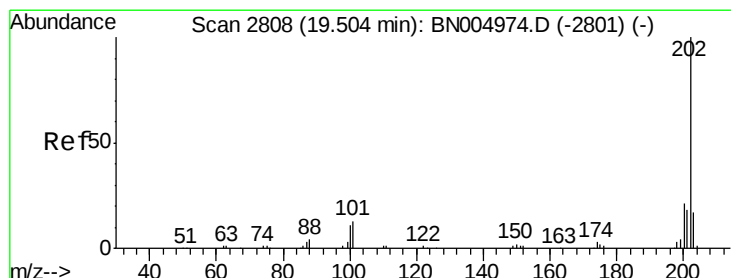
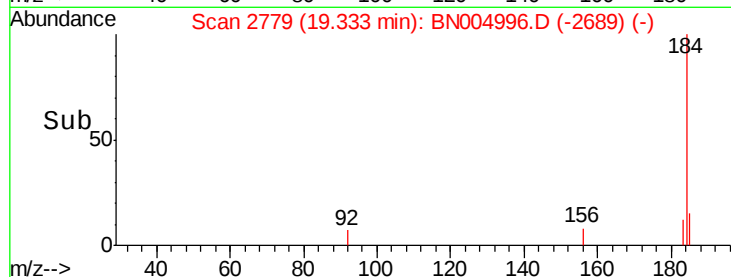
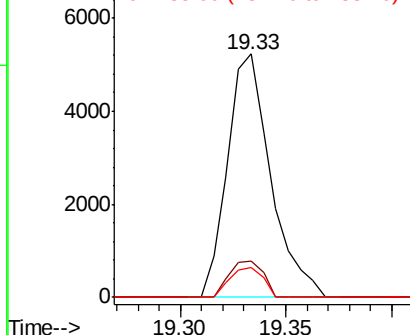
184 100

185 14.8 11.8 17.8

183 12.0 9.9 14.9



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 7.248 ng

RT: 19.50 min Scan# 2807

Delta R.T. -0.01 min

Lab File: BN004996.D

Acq: 27 Mar 2019 15:43

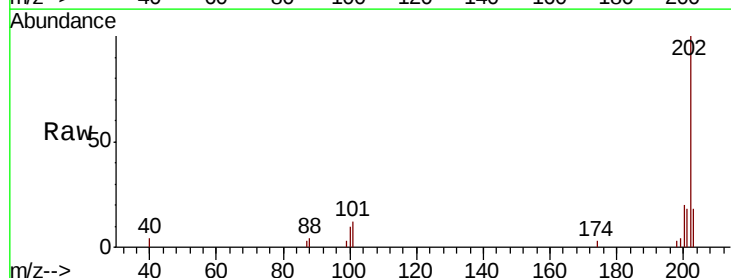
Tgt Ion:202 Resp: 20155

Ion Ratio Lower Upper

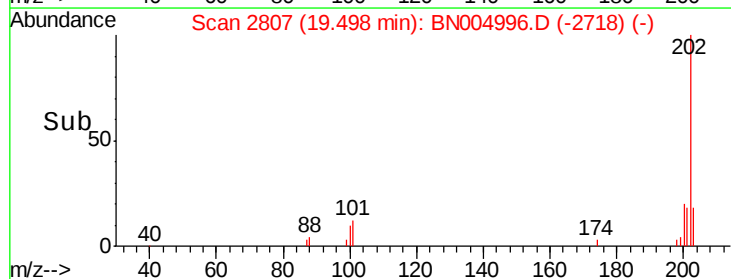
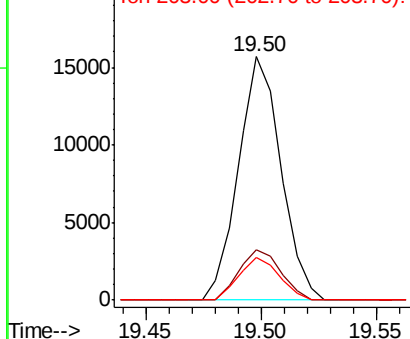
202 100

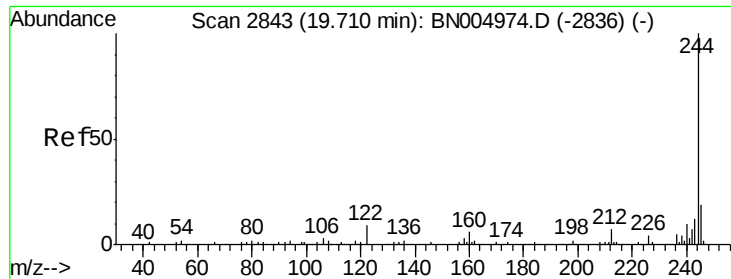
200 20.5 17.0 25.4

203 17.7 14.0 21.0



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 88.500 ng

RT: 19.70 min Scan# 2842

Delta R.T. -0.01 min

Lab File: BN004996.D

Acq: 27 Mar 2019 15:43

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

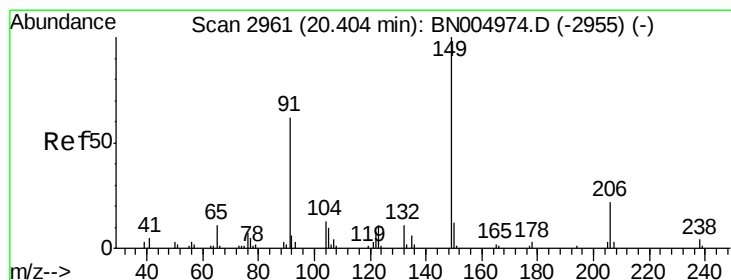
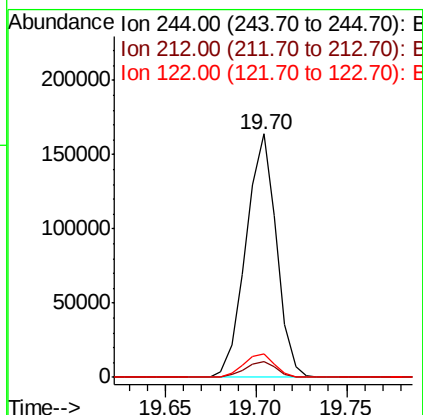
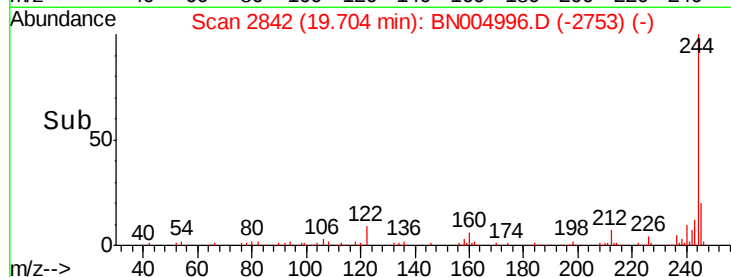
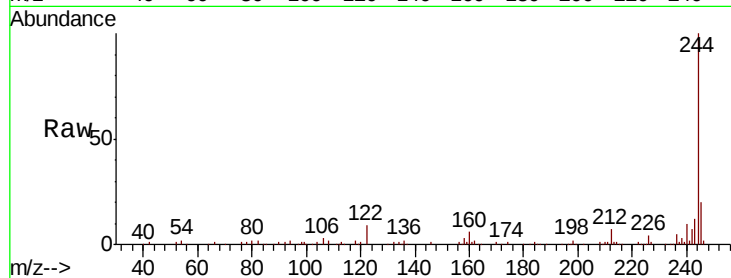
Tgt Ion:244 Resp: 191431

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 9.4 7.4 11.2



#80

Butylbenzylphthalate

Concen: 5.933 ng

RT: 20.40 min Scan# 2960

Delta R.T. -0.01 min

Lab File: BN004996.D

Acq: 27 Mar 2019 15:43

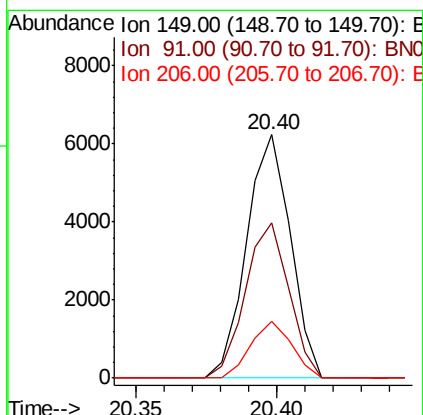
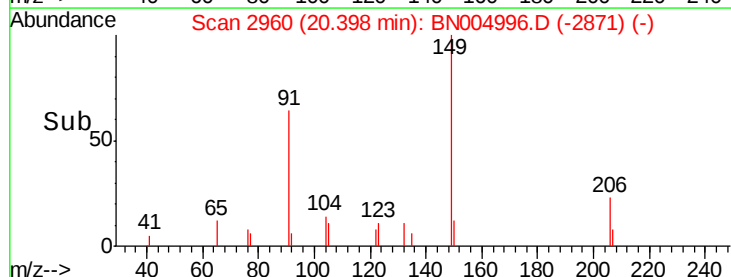
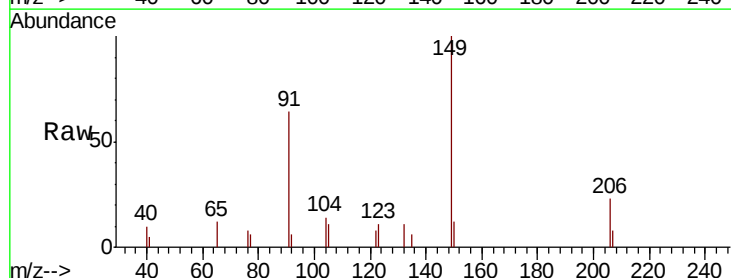
Tgt Ion:149 Resp: 6703

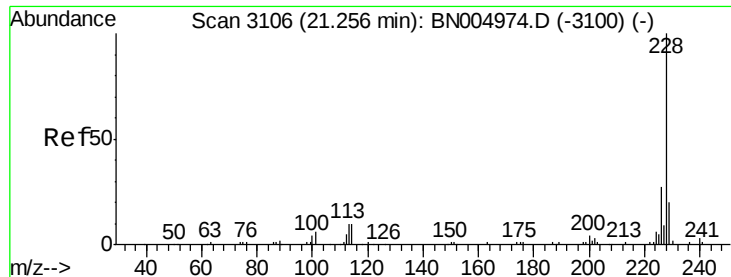
Ion Ratio Lower Upper

149 100

91 64.0 49.3 73.9

206 23.3 17.9 26.9





#81

Benzo(a)anthracene

Concen: 7.921 ng

RT: 21.25 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BN004996.D

Acq: 27 Mar 2019 15:43

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

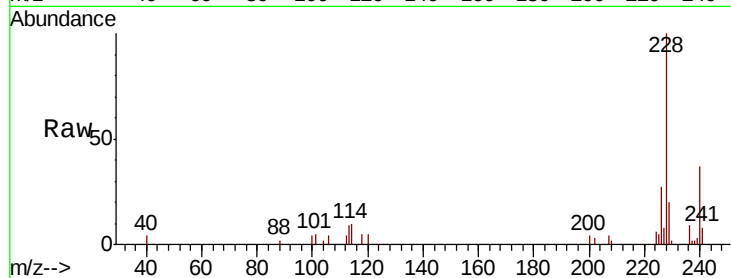
Tgt Ion:228 Resp: 20546

Ion Ratio Lower Upper

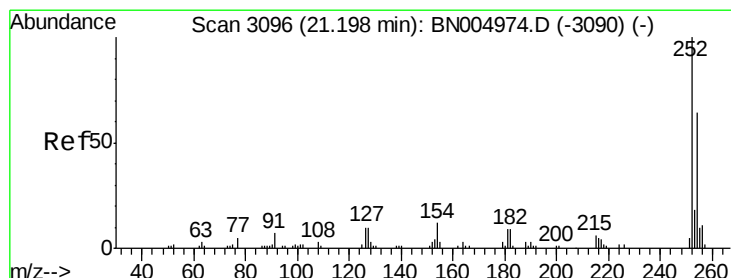
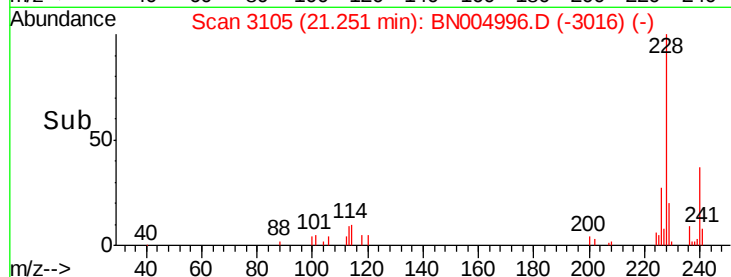
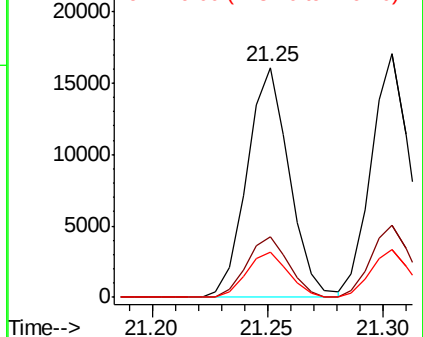
228 100

226 26.5 21.8 32.6

229 19.6 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 7.440 ng

RT: 21.19 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BN004996.D

Acq: 27 Mar 2019 15:43

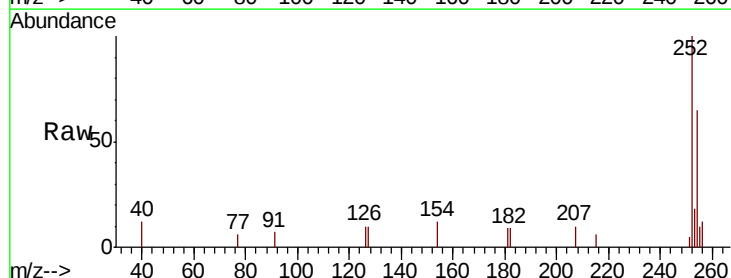
Tgt Ion:252 Resp: 7217

Ion Ratio Lower Upper

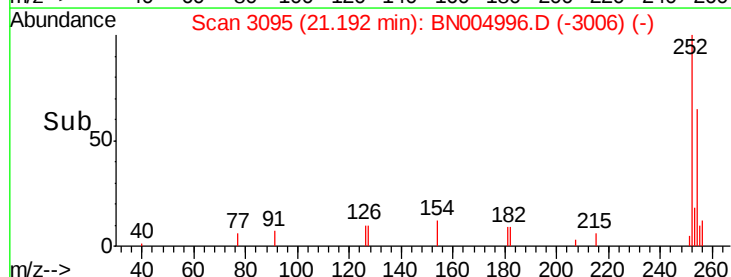
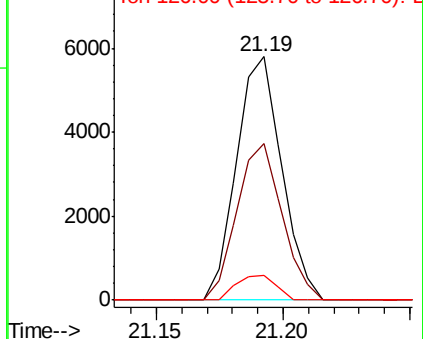
252 100

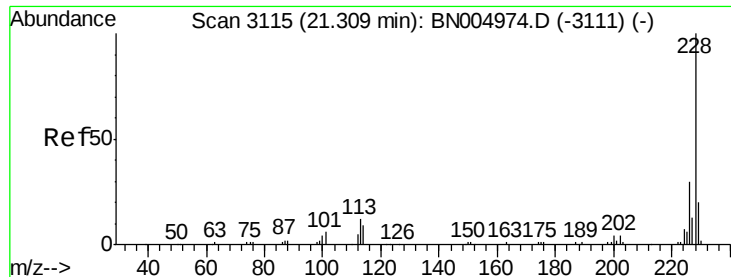
254 64.5 51.5 77.3

126 10.3 7.9 11.9



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E

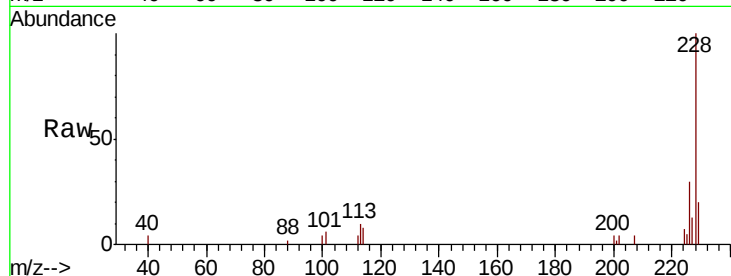




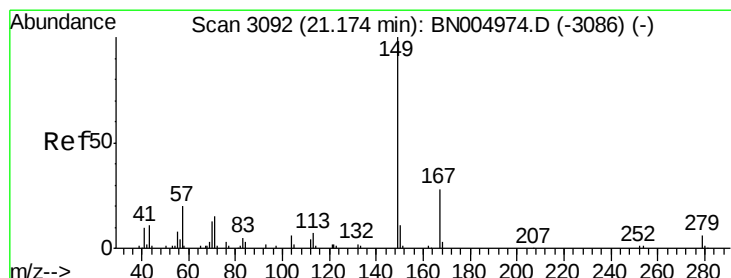
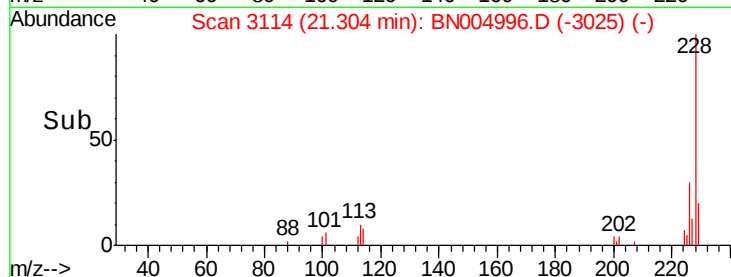
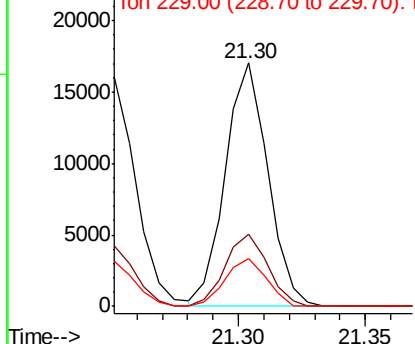
#83
Chrysene
Concen: 8.029 ng
RT: 21.30 min Scan# 3114
Delta R.T. -0.01 min
Lab File: BN004996.D
Acq: 27 Mar 2019 15:43

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion: 228 Resp: 19893
Ion Ratio Lower Upper
228 100
226 29.8 24.2 36.2
229 19.8 15.8 23.8

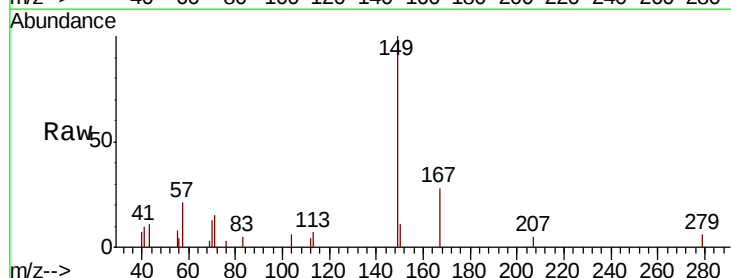


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

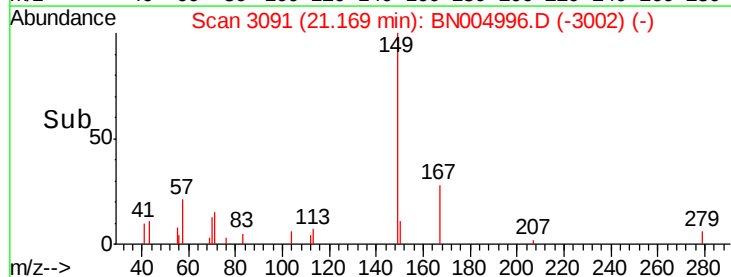
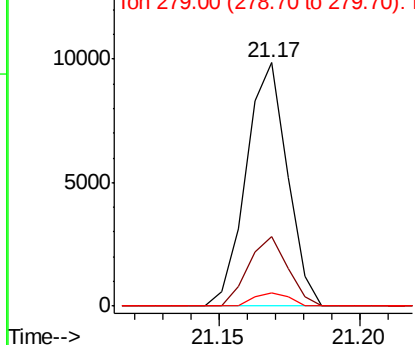


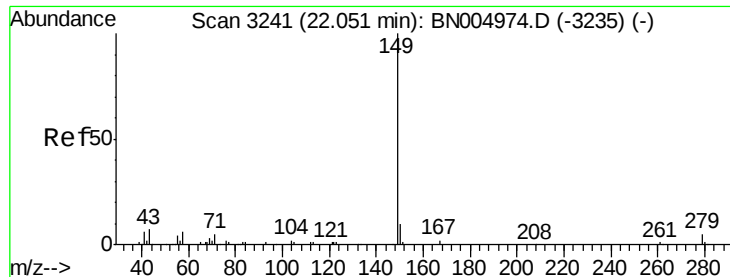
#84
Bis(2-ethylhexyl)phthalate
Concen: 6.388 ng
RT: 21.17 min Scan# 3091
Delta R.T. -0.01 min
Lab File: BN004996.D
Acq: 27 Mar 2019 15:43

Tgt Ion: 149 Resp: 9987
Ion Ratio Lower Upper
149 100
167 28.5 22.5 33.7
279 5.5 4.5 6.7



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 7.000 ng

RT: 22.05 min Scan# 3240

Delta R.T. -0.01 min

Lab File: BN004996.D

Acq: 27 Mar 2019 15:43

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

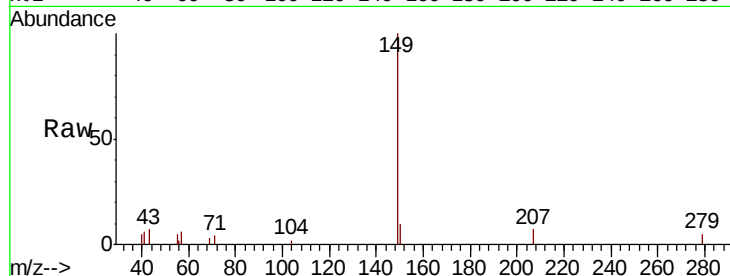
Tgt Ion:149 Resp: 17661

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

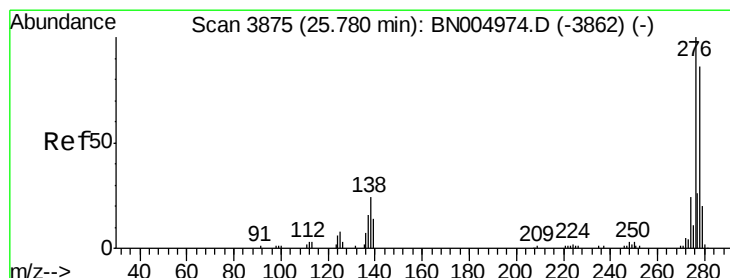
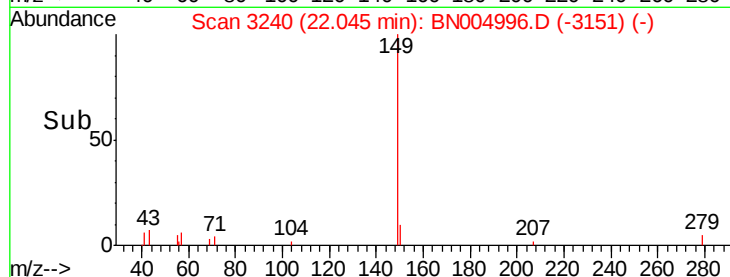
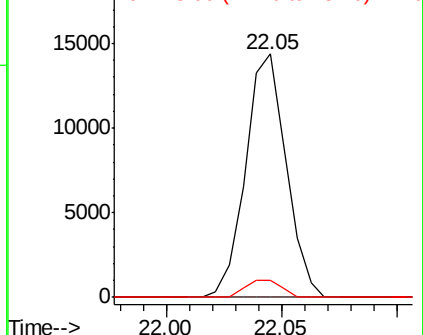
43 6.3 5.8 8.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BNC



#86

Indeno(1,2,3-cd)pyrene

Concen: 9.113 ng

RT: 25.76 min Scan# 3871

Delta R.T. -0.02 min

Lab File: BN004996.D

Acq: 27 Mar 2019 15:43

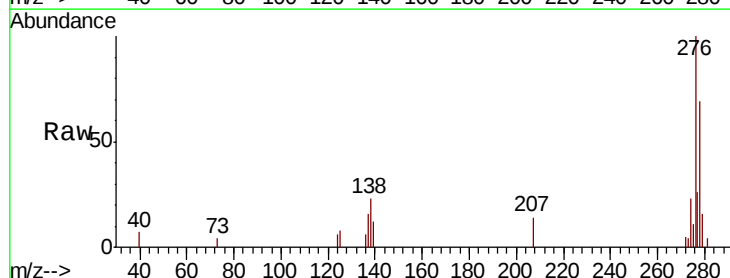
Tgt Ion:276 Resp: 25651

Ion Ratio Lower Upper

276 100

138 22.3 18.5 27.7

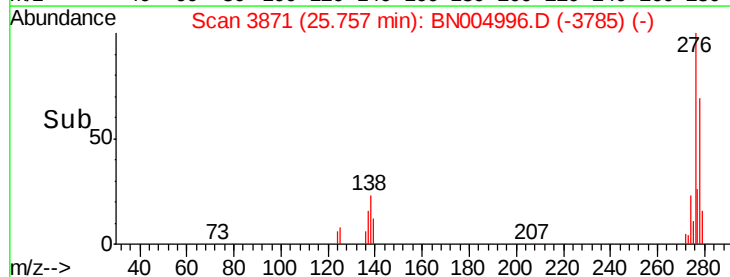
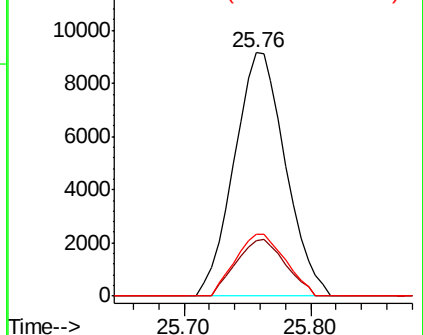
277 24.8 20.4 30.6

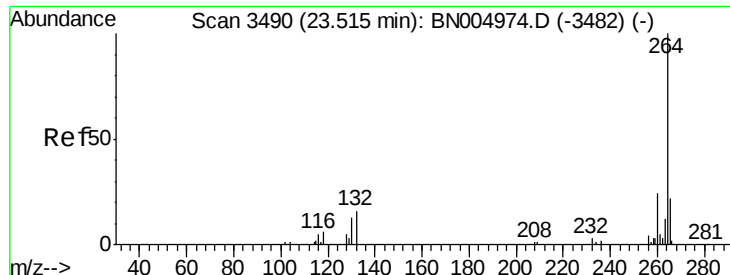


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

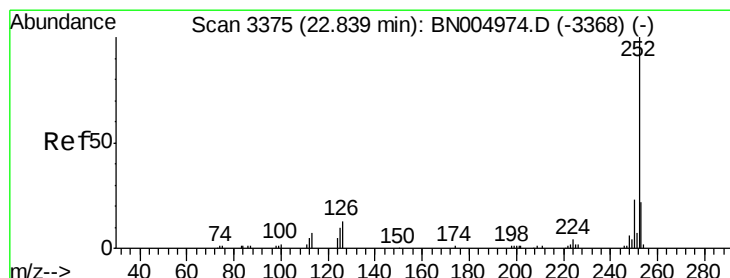
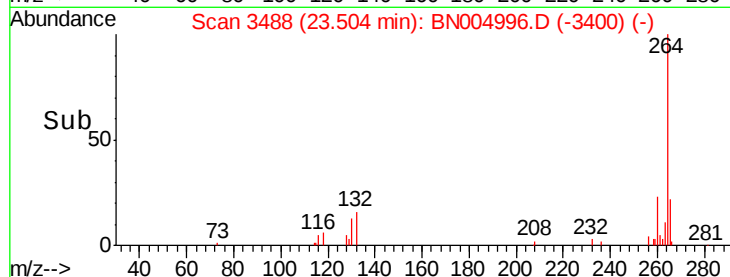
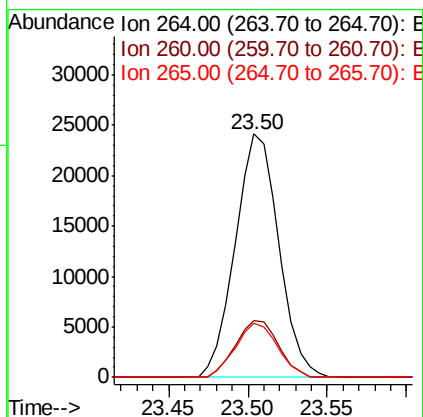
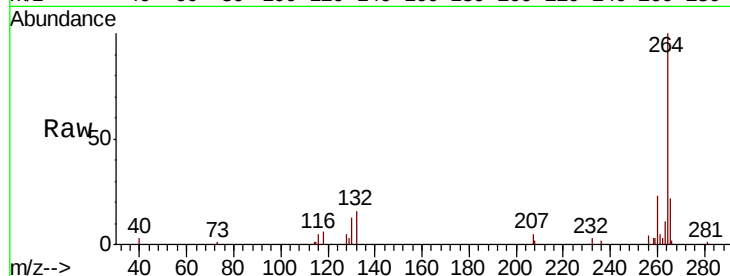




#87
Perylene-d12
Concen: 20.000 ng
RT: 23.50 min Scan# 3488
Delta R.T. -0.01 min
Lab File: BN004996.D
Acq: 27 Mar 2019 15:43

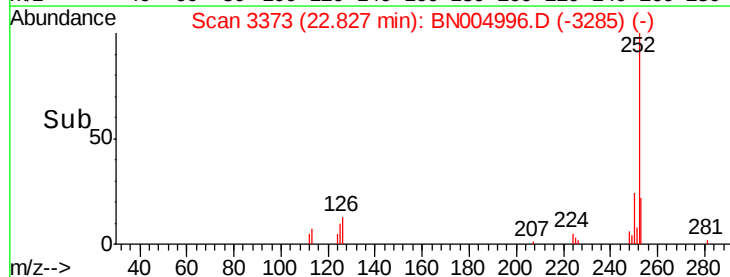
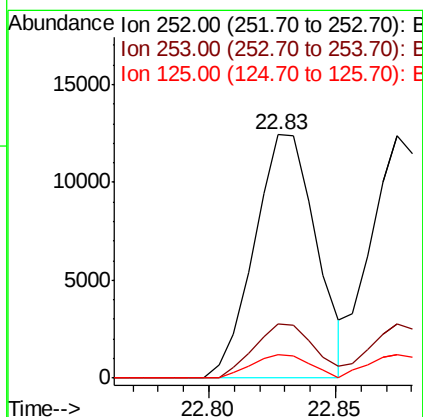
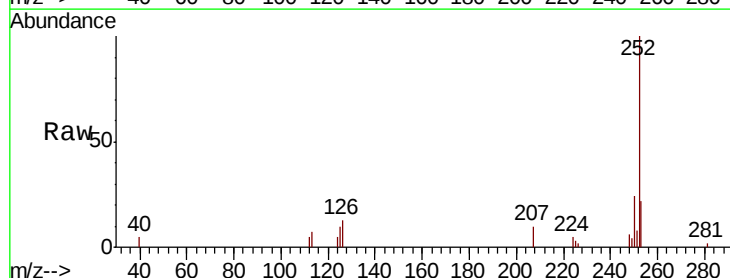
Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

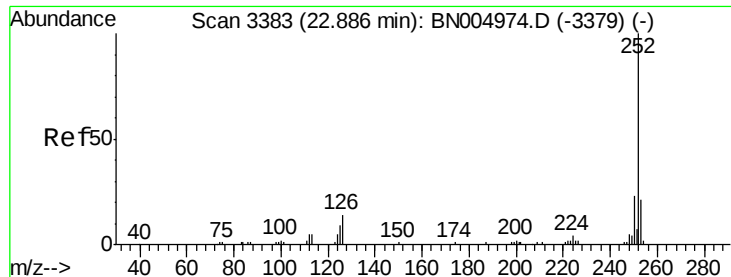
Tgt Ion:264 Resp: 45939
Ion Ratio Lower Upper
264 100
260 23.4 19.0 28.4
265 22.0 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 7.471 ng
RT: 22.83 min Scan# 3373
Delta R.T. -0.01 min
Lab File: BN004996.D
Acq: 27 Mar 2019 15:43

Tgt Ion:252 Resp: 21127
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 9.9 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 7.883 ng

RT: 22.87 min Scan# 3381

Delta R.T. -0.01 min

Lab File: BN004996.D

Acq: 27 Mar 2019 15:43

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

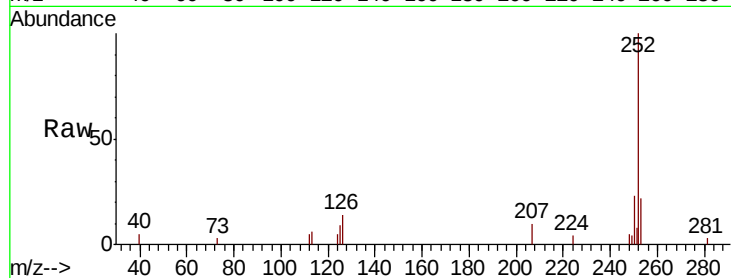
Tgt Ion:252 Resp: 20442

Ion Ratio Lower Upper

252 100

253 22.3 17.1 25.7

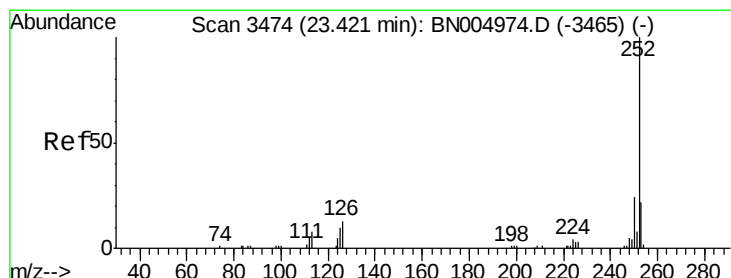
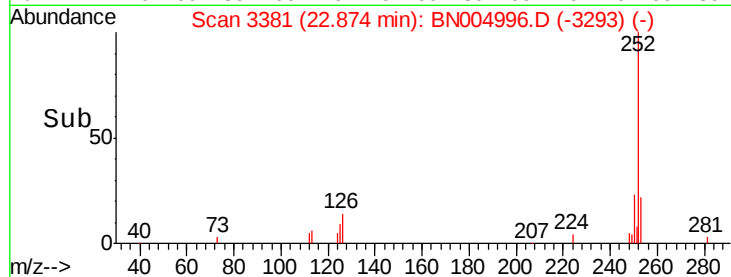
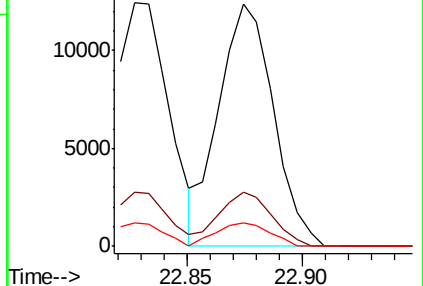
125 9.4 7.6 11.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 7.670 ng

RT: 23.41 min Scan# 3472

Delta R.T. -0.01 min

Lab File: BN004996.D

Acq: 27 Mar 2019 15:43

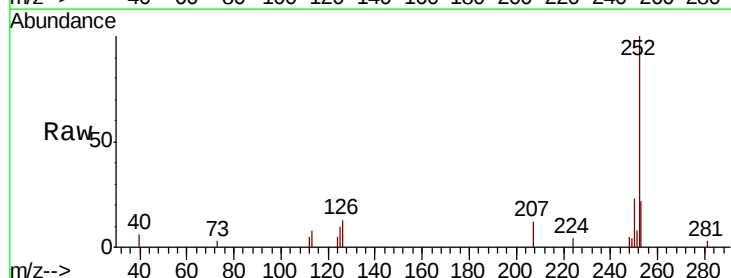
Tgt Ion:252 Resp: 19848

Ion Ratio Lower Upper

252 100

253 21.6 17.7 26.5

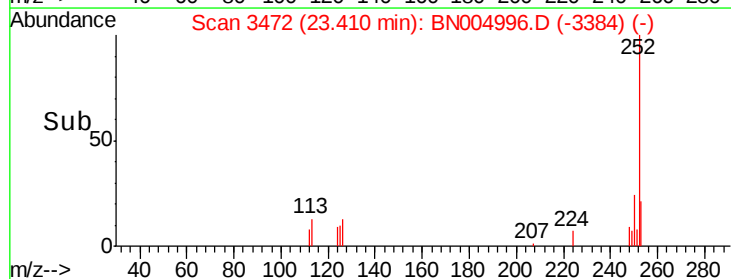
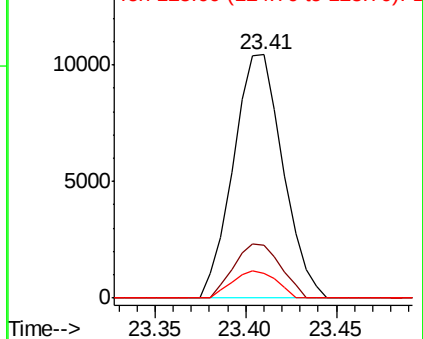
125 10.0 8.2 12.4

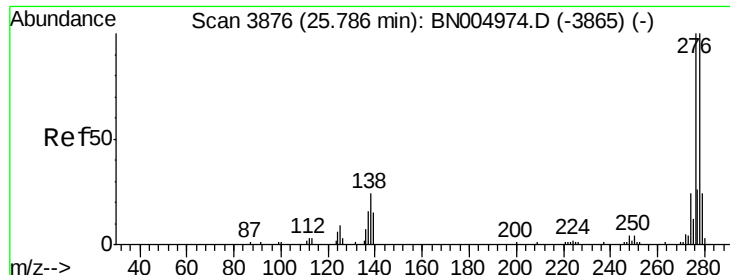


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 8.150 ng

RT: 25.77 min Scan# 3873

Delta R.T. -0.02 min

Lab File: BN004996.D

Acq: 27 Mar 2019 15:43

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

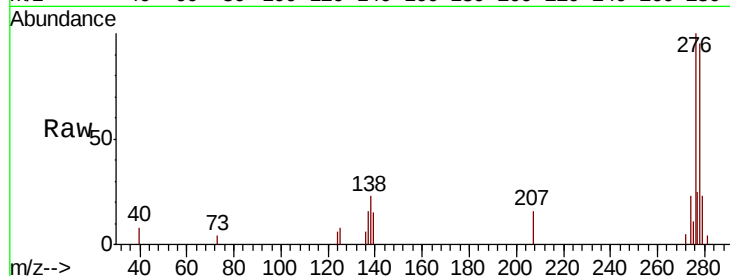
Tgt Ion:278 Resp: 21173

Ion Ratio Lower Upper

278 100

139 15.3 11.8 17.8

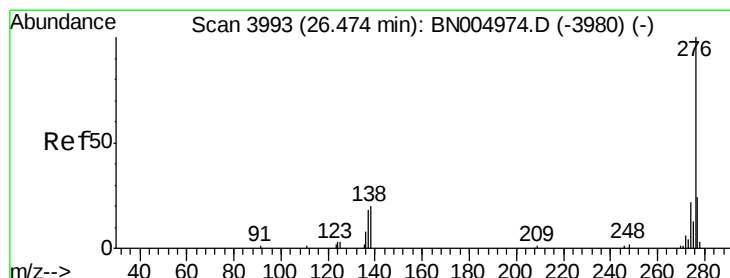
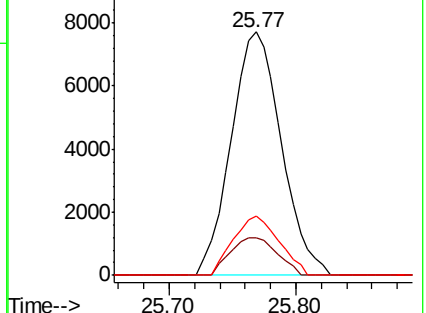
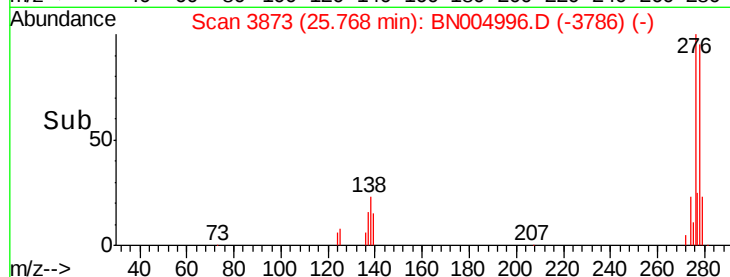
279 24.5 19.3 28.9



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 8.154 ng

RT: 26.46 min Scan# 3990

Delta R.T. -0.02 min

Lab File: BN004996.D

Acq: 27 Mar 2019 15:43

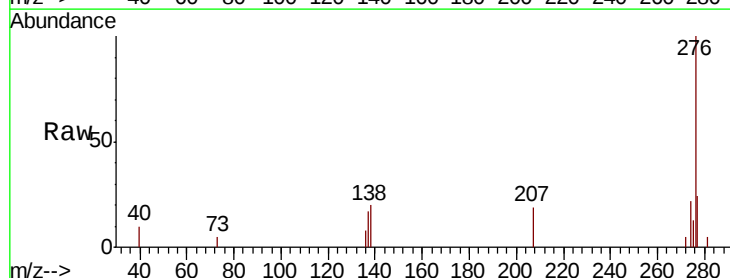
Tgt Ion:276 Resp: 20948

Ion Ratio Lower Upper

276 100

277 23.7 19.5 29.3

138 20.2 16.2 24.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

