

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN102418\
 Data File : BN003283.D
 Acq On : 24 Oct 2018 22:03
 Operator : MJ/SJ
 Sample : J5164-03
 Misc : MDL 8PPM
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Quant Time: Oct 25 05:24:35 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-BN102418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 24 14:21:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	100374	20.00	ng	0.00
21) Naphthalene-d8	10.37	136	471216	20.00	ng	0.00
39) Acenaphthene-d10	14.24	164	298045	20.00	ng	0.00
64) Phenanthrene-d10	17.00	188	704255	20.00	ng	0.00
76) Chrysene-d12	21.20	240	791738	20.00	ng	0.00
87) Perylene-d12	23.42	264	806283	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.23	112	860275	149.28	ng	0.00
7) Phenol-d6	6.80	99	1203797	146.90	ng	0.00
23) Nitrobenzene-d5	8.76	82	680538	82.82	ng	0.00
42) 2,4,6-Tribromophenol	15.75	330	594568	148.15	ng	0.00
45) 2-Fluorobiphenyl	12.85	172	1808340	82.30	ng	0.00
79) Terphenyl-d14	19.64	244	2877054	77.71	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.21	88	18500	6.761	ng	97
3) Pyridine	3.60	79	43129	6.898	ng	98
4) n-Nitrosodimethylamine	3.52	42	19929	8.657	ng	# 97
6) Aniline	6.95	93	77985	7.621	ng	99
8) 2-Chlorophenol	7.18	128	57468	8.096	ng	98
9) Benzaldehyde	6.77	77	37444	7.868	ng	97
10) Phenol	6.82	94	71601	8.280	ng	89
11) bis(2-Chloroethyl)ether	7.04	93	53437	7.566	ng	98
12) 1,3-Dichlorobenzene	7.49	146	60649	7.685	ng	97
13) 1,4-Dichlorobenzene	7.63	146	62735	7.720	ng	96
14) 1,2-Dichlorobenzene	7.95	146	61914	7.851	ng	99
15) Benzyl Alcohol	7.86	79	38128	6.457	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.13	45	81744	7.894	ng	96
17) 2-Methylphenol	8.06	107	49985	8.458	ng	94
18) Hexachloroethane	8.65	117	21620	7.595	ng	93
19) n-Nitroso-di-n-propylamine	8.40	70	45484	7.697	ng	98
20) 3+4-Methylphenols	8.40	107	66304	7.898	ng	99
22) Acetophenone	8.42	105	89184	7.808	ng	96
24) Nitrobenzene	8.80	77	68302	8.146	ng	99
25) Isophorone	9.31	82	124943	8.669	ng	98
26) 2-Nitrophenol	9.52	139	30975	7.019	ng	99
27) 2,4-Dimethylphenol	9.59	122	54250	8.743	ng	97
28) bis(2-Chloroethoxy)methane	9.80	93	79846	8.223	ng	98
29) 2,4-Dichlorophenol	10.07	162	53732	7.588	ng	96
30) 1,2,4-Trichlorobenzene	10.24	180	61191	7.602	ng	98
31) Naphthalene	10.42	128	193550	8.405	ng	99
32) Benzoic acid	9.72	122	16550	7.799	ng	90
33) 4-Chloroaniline	10.56	127	75017	7.373	ng	97
34) Hexachlorobutadiene	10.69	225	35085	7.304	ng	97
35) Caprolactam	11.32	113	18802	6.781	ng	# 86
36) 4-Chloro-3-methylphenol	11.70	107	62399	7.901	ng	96
37) 2-Methylnaphthalene	12.04	142	145556	8.845	ng	98
38) 1-Methylnaphthalene	12.26	142	140452	8.739	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.43	216	70711	7.172	ng	99

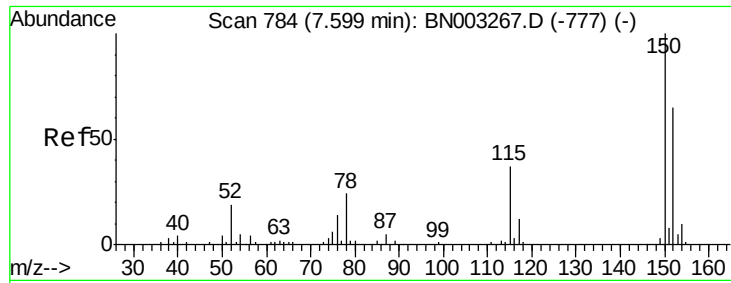
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN102418\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.39	237	14676	11.978	ng	93
43) 2,4,6-Trichlorophenol	12.69	196	46213	7.418	ng	97
44) 2,4,5-Trichlorophenol	12.77	196	51129	7.869	ng	98
46) 1,1'-Biphenyl	13.07	154	194008	7.417	ng	99
47) 2-Chloronaphthalene	13.11	162	148278	7.685	ng	99
48) 2-Nitroaniline	13.35	65	40491	7.142	ng	99
49) Acenaphthylene	13.96	152	246635	8.351	ng	99
50) Dimethylphthalate	13.70	163	196582	8.157	ng	98
51) 2,6-Dinitrotoluene	13.84	165	42355	7.744	ng	95
52) Acenaphthene	14.30	154	144205	8.059	ng	99
53) 3-Nitroaniline	14.18	138	38180	6.530	ng	99
54) 2,4-Dinitrophenol	14.43	184	12891	10.229	ng	96
55) Dibenzofuran	14.65	168	232146	7.974	ng	98
56) 4-Nitrophenol	14.57	139	16549	9.080	ng	92
57) 2,4-Dinitrotoluene	14.65	165	59206	7.983	ng	100
58) Fluorene	15.30	166	192874	8.585	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.89	232	45963	8.055	ng	98
60) Diethylphthalate	15.07	149	194362	7.948	ng	99
61) 4-Chlorophenyl-phenylether	15.29	204	97479	7.810	ng	99
62) 4-Nitroaniline	15.36	138	40399	7.072	ng	96
63) Azobenzene	15.59	77	183436	8.116	ng	99
65) 4,6-Dinitro-2-methylphenol	15.44	198	29277	5.958	ng	98
66) n-Nitrosodiphenylamine	15.52	169	169235	7.676	ng	100
67) 4-Bromophenyl-phenylether	16.19	248	60235	7.594	ng	98
68) Hexachlorobenzene	16.31	284	68984	7.634	ng	98
69) Atrazine	16.47	200	60842	7.787	ng	99
70) Pentachlorophenol	16.68	266	16689	9.890	ng	97
71) Phenanthrene	17.04	178	312004	8.427	ng	99
72) Anthracene	17.13	178	315350	8.536	ng	99
73) Carbazole	17.42	167	290410	7.590	ng	99
74) Di-n-butylphthalate	17.97	149	340904	7.638	ng	99
75) Fluoranthene	19.07	202	371619	8.520	ng	100
77) Benzidine	19.26	184	103889	4.482	ng	97
78) Pyrene	19.44	202	375468	8.069	ng	98
80) Butylbenzylphthalate	20.34	149	160588	7.432	ng	97
81) Benzo(a)anthracene	21.19	228	386032	8.372	ng	100
82) 3,3'-Dichlorobenzidine	21.13	252	128313	6.725	ng	99
83) Chrysene	21.25	228	371599	8.384	ng	99
84) Bis(2-ethylhexyl)phthalate	21.12	149	242200	7.559	ng	99
85) Di-n-octyl phthalate	21.99	149	418562	7.612	ng	100
86) Indeno(1,2,3-cd)pyrene	25.61	276	406203	7.997	ng	100
88) Benzo(b)fluoranthene	22.76	252	394276	8.881	ng	99
89) Benzo(k)fluoranthene	22.80	252	366046	8.407	ng	99
90) Benzo(a)pyrene	23.32	252	368224	8.703	ng	98
91) Dibenzo(a,h)anthracene	25.62	278	348979	8.333	ng	98
92) Benzo(g,h,i)perylene	26.30	276	335634	8.348	ng	100

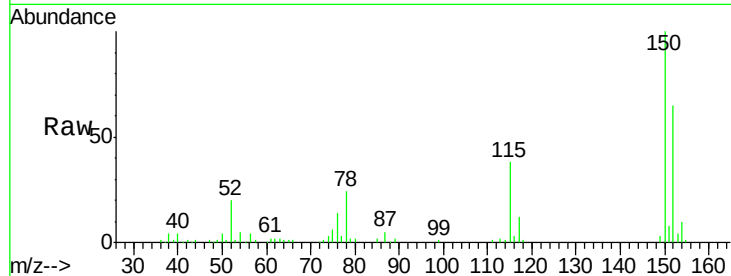
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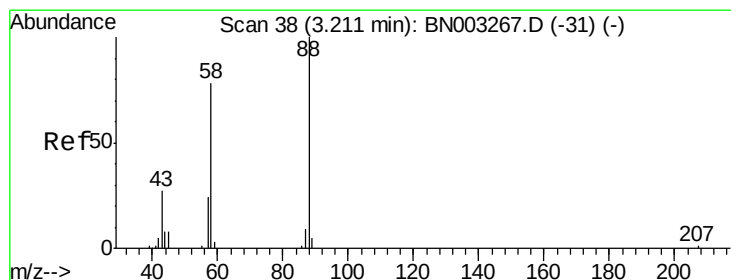
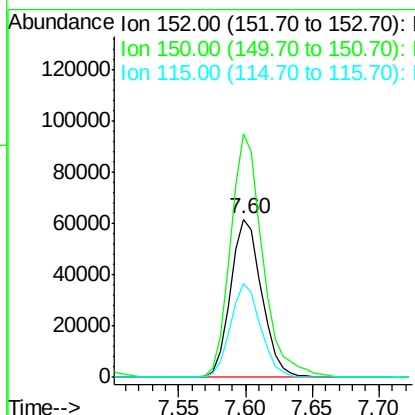
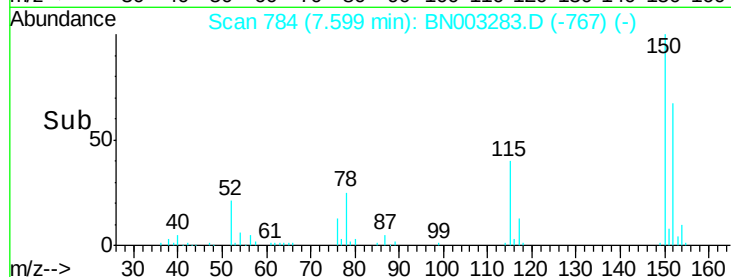
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.60 min Scan# 784
 Delta R.T. -0.00 min
 Lab File: BN003283.D
 Acq: 24 Oct 2018 22:03

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:152 Resp: 100374
 Ion Ratio Lower Upper
 152 100
 150 153.6 123.8 185.8
 115 58.9 45.9 68.9

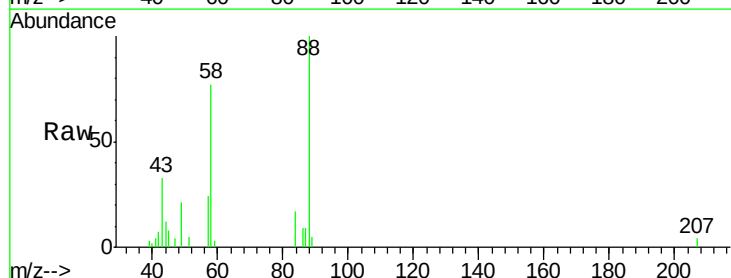


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

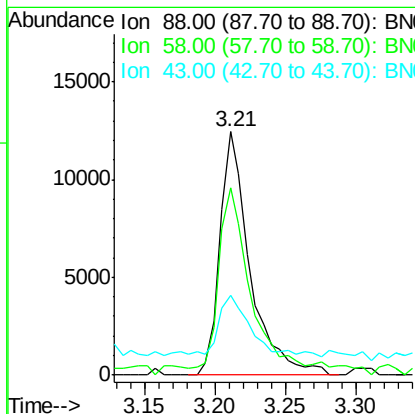
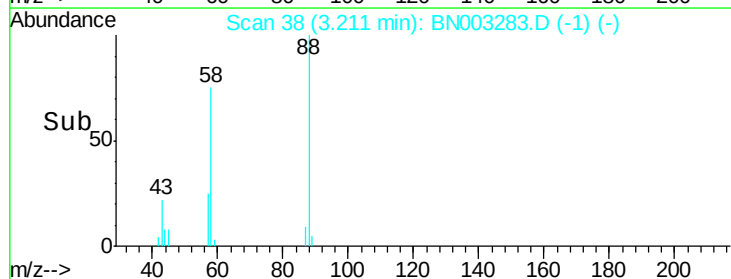


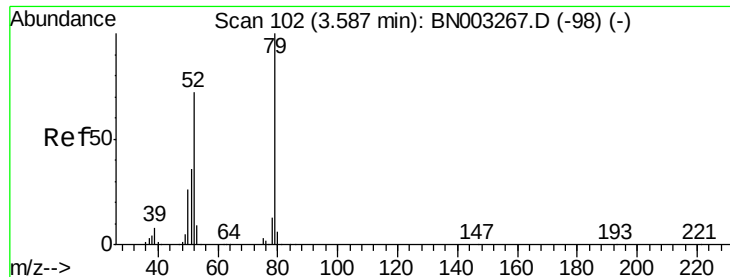
#2
 1,4-Dioxane
 Concen: 6.761 ng
 RT: 3.21 min Scan# 38
 Delta R.T. -0.00 min
 Lab File: BN003283.D
 Acq: 24 Oct 2018 22:03

Tgt Ion: 88 Resp: 18500
 Ion Ratio Lower Upper
 88 100
 58 75.8 61.1 91.7
 43 22.5 22.2 33.4



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

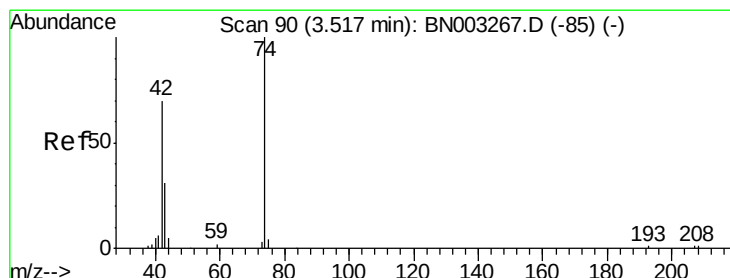
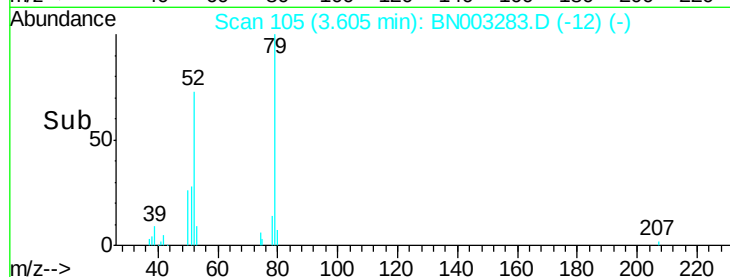
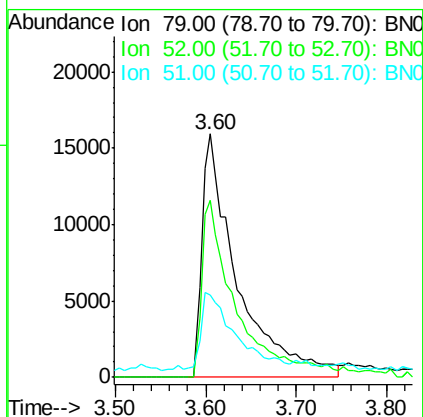
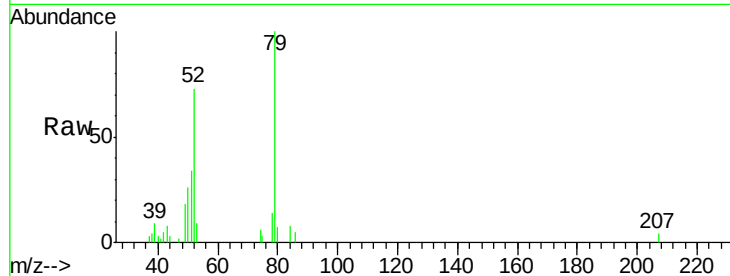




#3
 Pyridine
 Concen: 6.898 ng
 RT: 3.60 min Scan# 105
 Delta R.T. 0.02 min
 Lab File: BN003283.D
 Acq: 24 Oct 2018 22:03

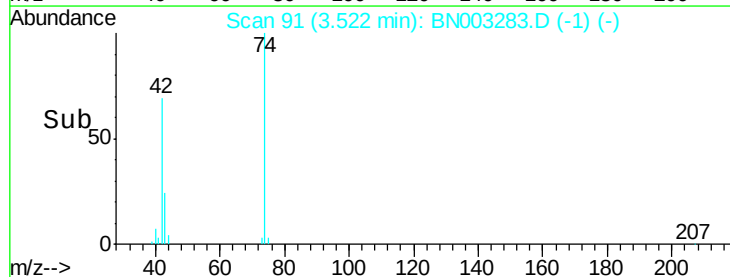
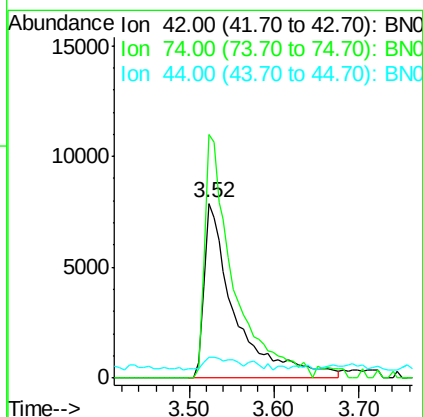
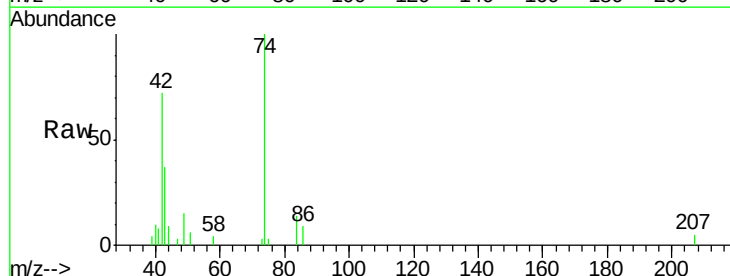
Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

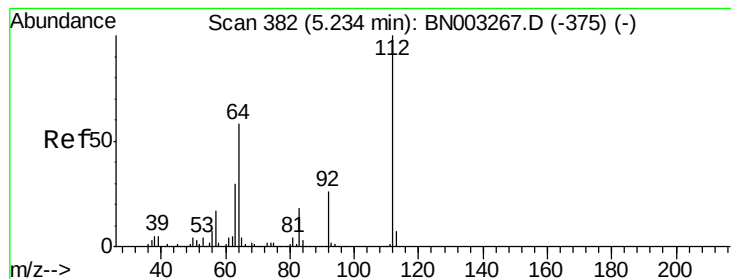
Tgt Ion: 79 Resp: 43129
 Ion Ratio Lower Upper
 79 100
 52 72.6 57.7 86.5
 51 33.7 28.7 43.1



#4
 n-Nitrosodimethylamine
 Concen: 8.657 ng
 RT: 3.52 min Scan# 91
 Delta R.T. 0.01 min
 Lab File: BN003283.D
 Acq: 24 Oct 2018 22:03

Tgt Ion: 42 Resp: 19929
 Ion Ratio Lower Upper
 42 100
 74 139.5 114.2 171.4
 44 11.9 6.1 9.1#





#5

2-Fluorophenol

Concen: 149.280 ng

RT: 5.23 min Scan# 381

Delta R.T. -0.01 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

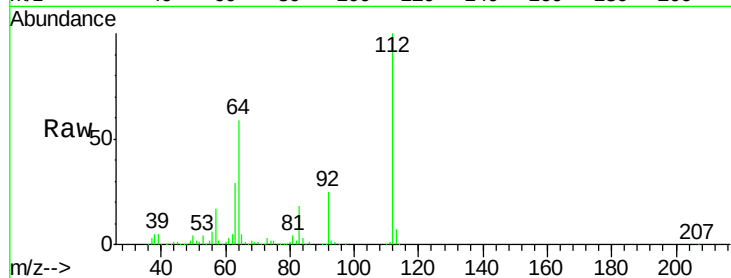
Tgt Ion: 112 Resp: 860275

Ion Ratio Lower Upper

112 100

64 59.3 46.6 69.8

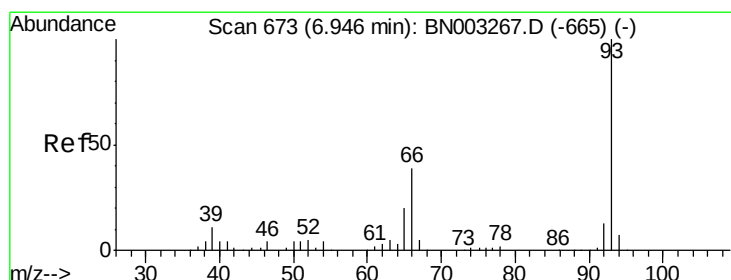
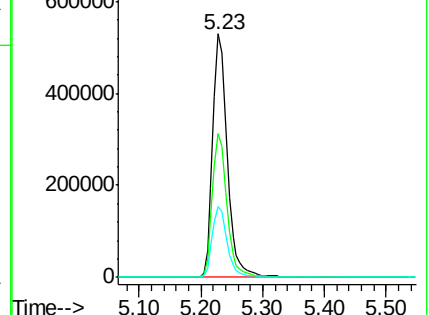
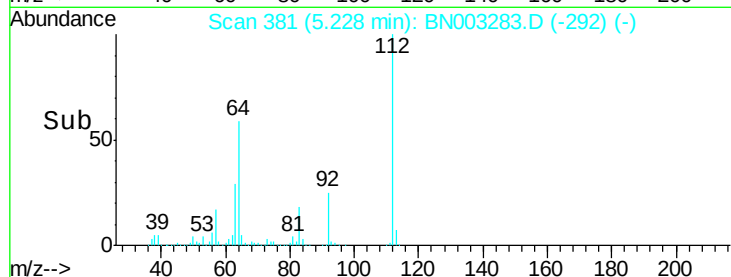
63 29.1 23.8 35.8



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BNO

Ion 63.00 (62.70 to 63.70): BNO



#6

Aniline

Concen: 7.621 ng

RT: 6.95 min Scan# 673

Delta R.T. -0.00 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

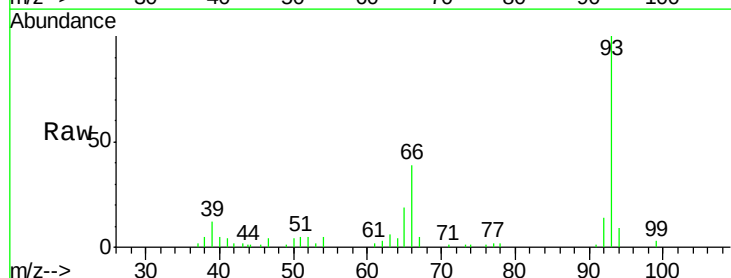
Tgt Ion: 93 Resp: 77985

Ion Ratio Lower Upper

93 100

66 38.6 31.4 47.0

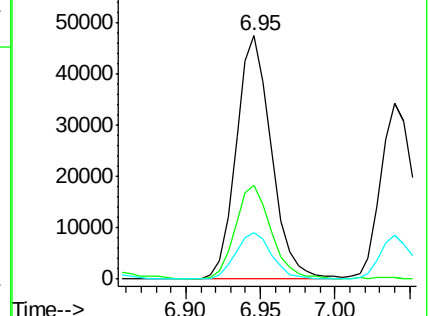
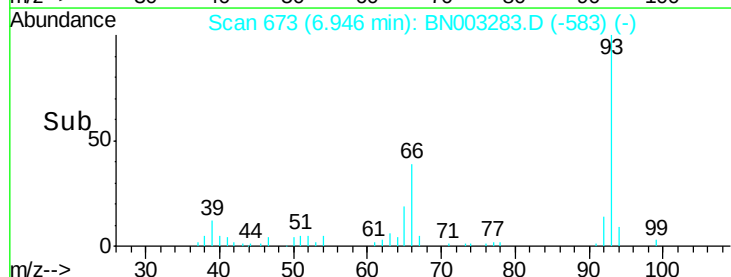
65 19.1 15.7 23.5

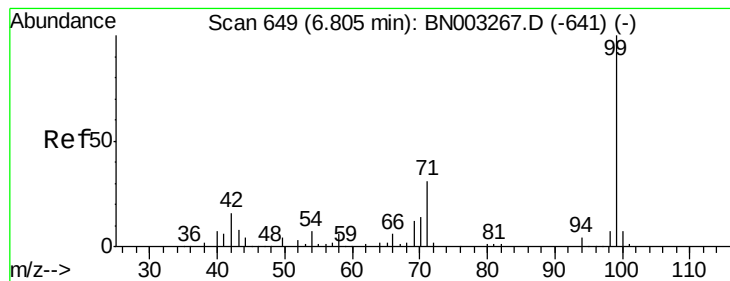


Abundance Ion 93.00 (92.70 to 93.70): BNO

Ion 66.00 (65.70 to 66.70): BNO

Ion 65.00 (64.70 to 65.70): BNO





#7

Phenol-d6

Concen: 146.904 ng

RT: 6.80 min Scan# 648

Delta R.T. -0.01 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

Instrument :

BNA_N

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MDL-MDL-SOIL-03-QT4-2018

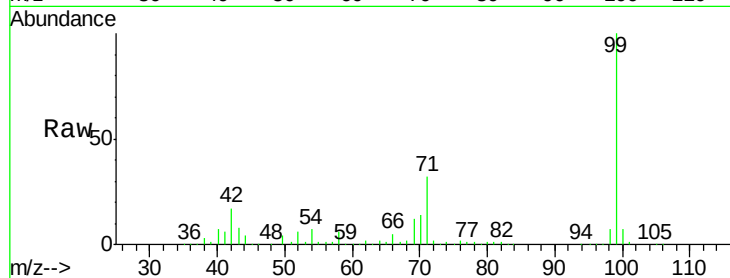
Tgt Ion: 99 Resp: 1203797

Ion Ratio Lower Upper

99 100

42 16.7 13.0 19.6

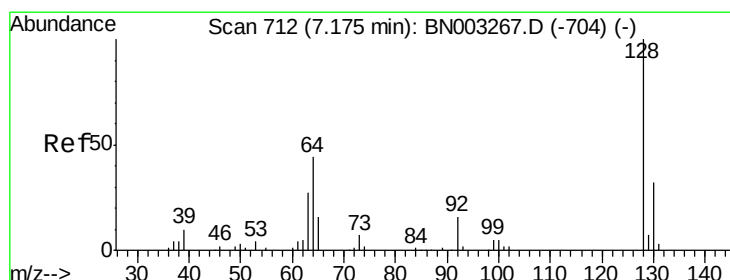
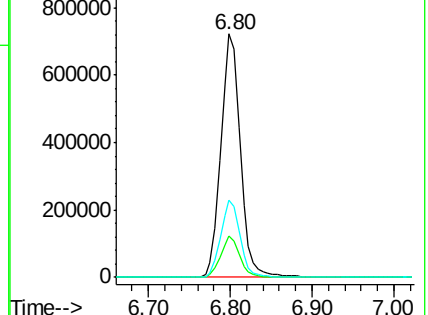
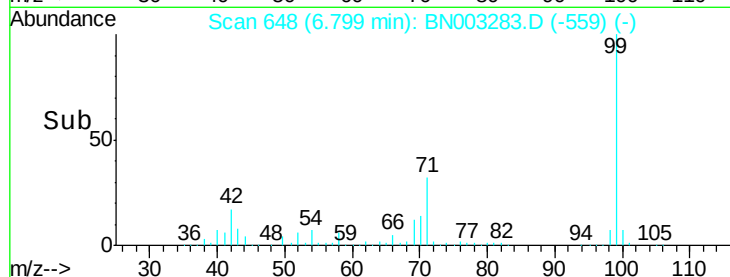
71 31.7 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BN003267.D (-641) (-)

Ion 42.00 (41.70 to 42.70): BN003267.D (-641) (-)

Ion 71.00 (70.70 to 71.70): BN003267.D (-641) (-)



#8

2-Chlorophenol

Concen: 8.096 ng

RT: 7.18 min Scan# 712

Delta R.T. -0.00 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

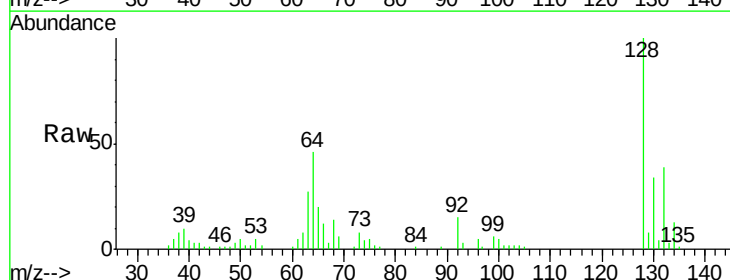
Tgt Ion: 128 Resp: 57468

Ion Ratio Lower Upper

128 100

130 33.8 12.4 52.4

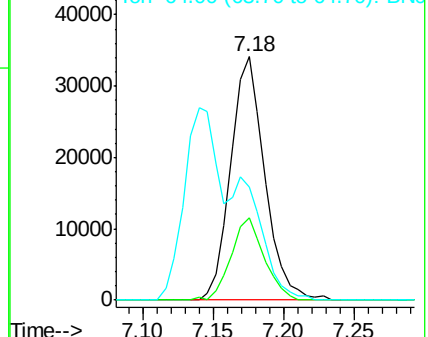
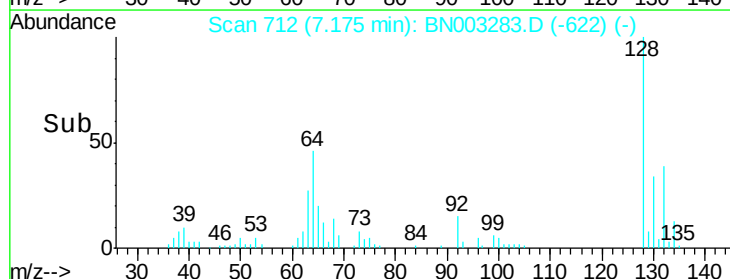
64 46.3 27.0 67.0

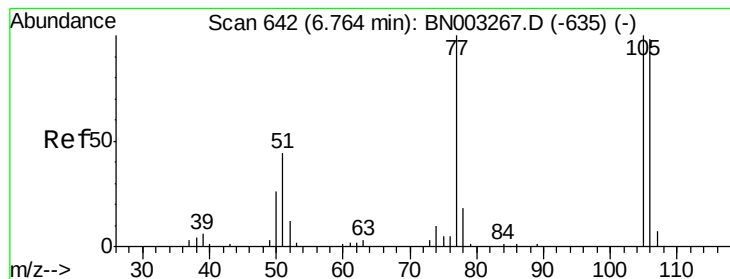


Abundance Ion 128.00 (127.70 to 128.70): BN003267.D (-704) (-)

Ion 130.00 (129.70 to 130.70): BN003267.D (-704) (-)

Ion 64.00 (63.70 to 64.70): BN003267.D (-704) (-)





#9

Benzaldehyde

Concen: 7.868 ng

RT: 6.77 min Scan# 643

Delta R.T. 0.01 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

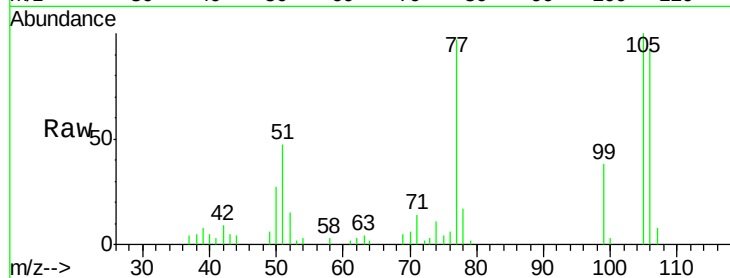
Tgt Ion: 77 Resp: 37444

Ion Ratio Lower Upper

77 100

105 103.1 79.9 119.9

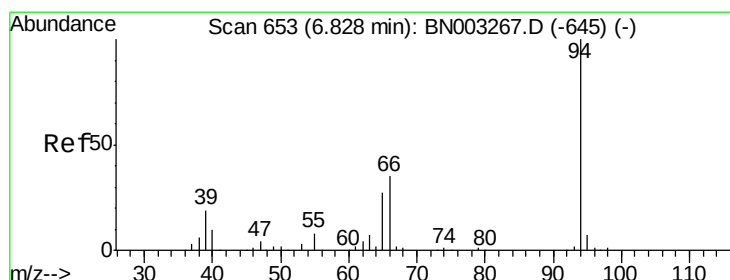
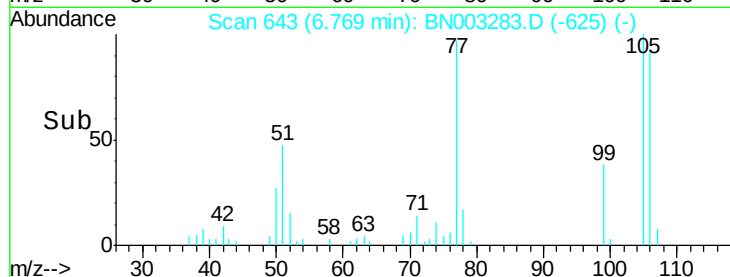
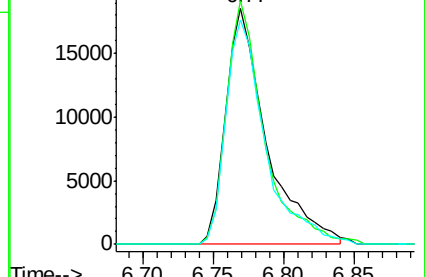
106 95.1 78.4 118.4



Abundance Ion 77.00 (76.70 to 77.70): BN0

Ion 105.00 (104.70 to 105.70): BN0

Ion 106.00 (105.70 to 106.70): BN0



#10

Phenol

Concen: 8.280 ng

RT: 6.82 min Scan# 652

Delta R.T. -0.01 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

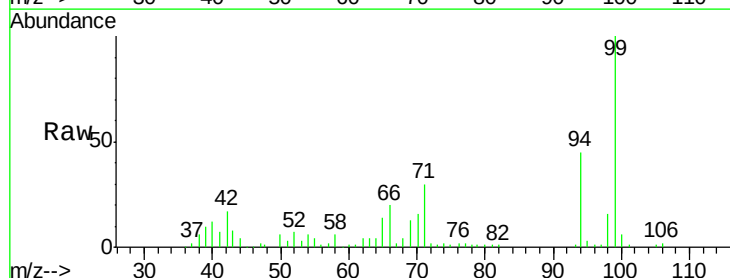
Tgt Ion: 94 Resp: 71601

Ion Ratio Lower Upper

94 100

65 30.4 7.7 47.7

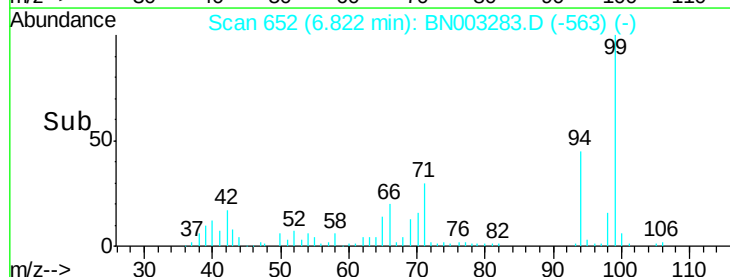
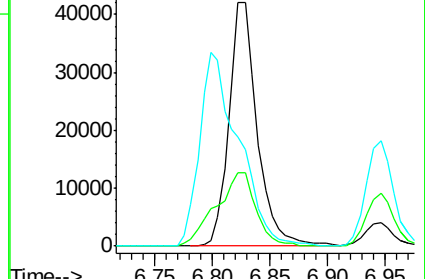
66 44.9 15.8 55.8

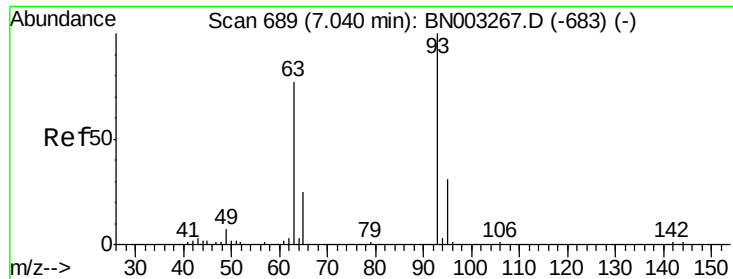


Abundance Ion 94.00 (93.70 to 94.70): BN0

Ion 65.00 (64.70 to 65.70): BN0

Ion 66.00 (65.70 to 66.70): BN0





#11

bis(2-Chloroethyl)ether

Concen: 7.566 ng

RT: 7.04 min Scan# 689

Delta R.T. -0.00 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

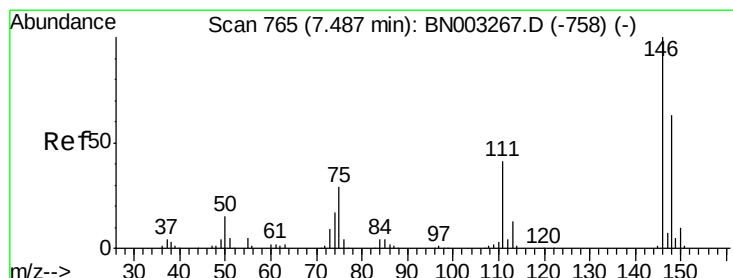
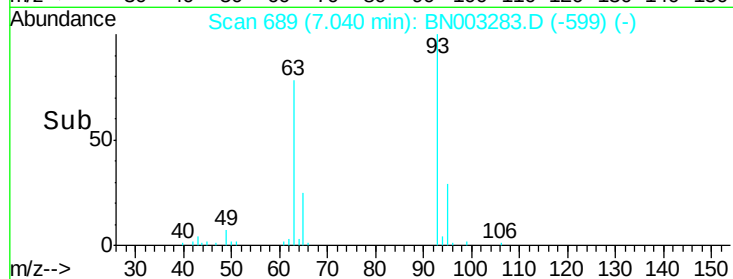
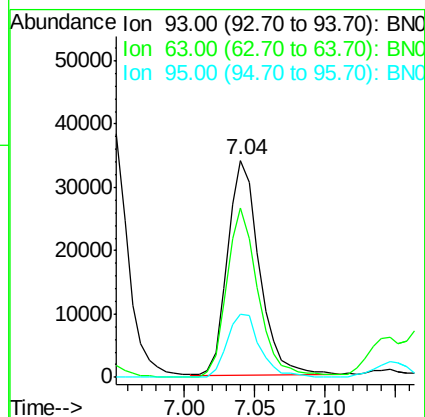
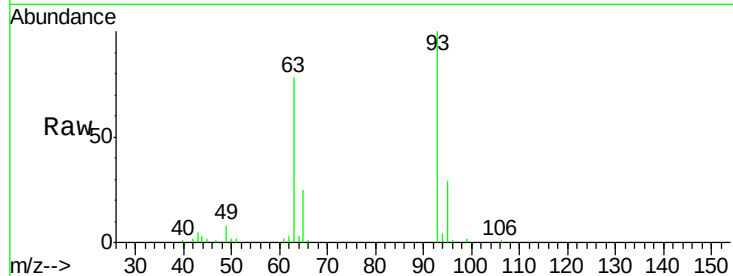
Tgt Ion: 93 Resp: 53437

Ion Ratio Lower Upper

93 100

63 78.0 56.6 96.6

95 29.1 10.9 50.9



#12

1,3-Dichlorobenzene

Concen: 7.685 ng

RT: 7.49 min Scan# 766

Delta R.T. 0.01 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

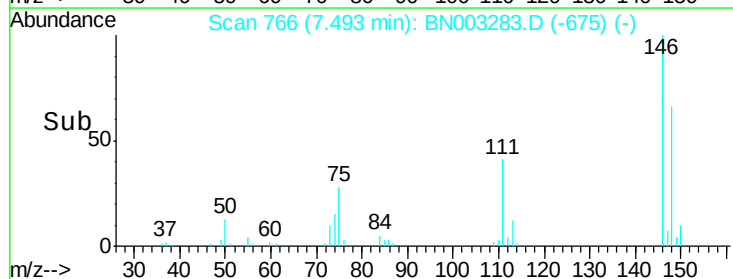
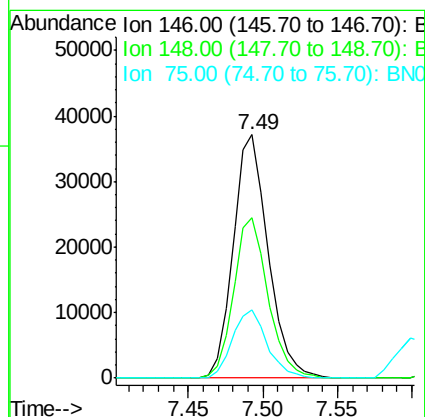
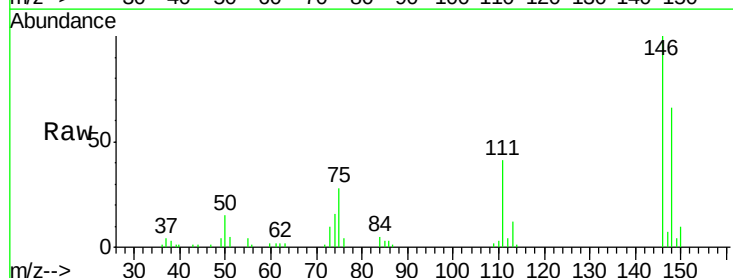
Tgt Ion: 146 Resp: 60649

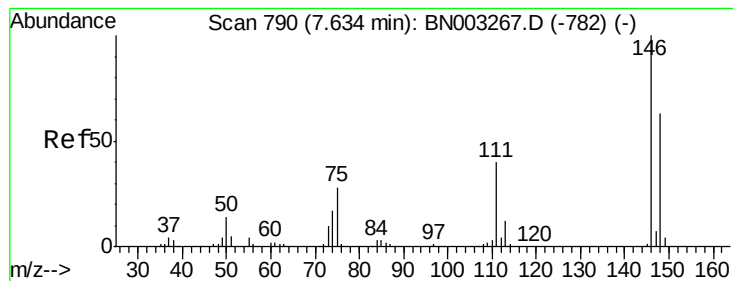
Ion Ratio Lower Upper

146 100

148 66.0 50.1 75.1

75 28.0 22.9 34.3





#13

1,4-Dichlorobenzene

Concen: 7.720 ng

RT: 7.63 min Scan# 790

Delta R.T. -0.00 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

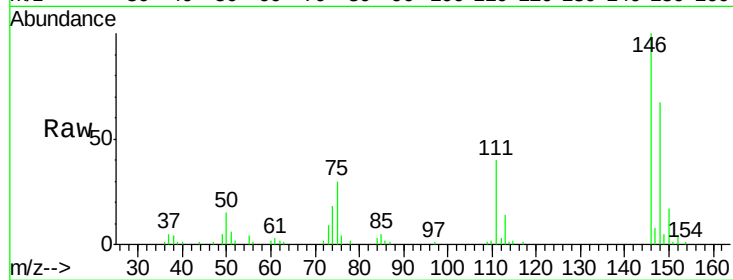
Tgt Ion:146 Resp: 62735

Ion Ratio Lower Upper

146 100

148 66.9 50.2 75.2

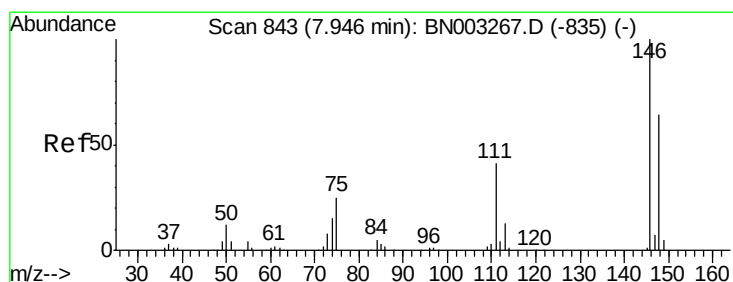
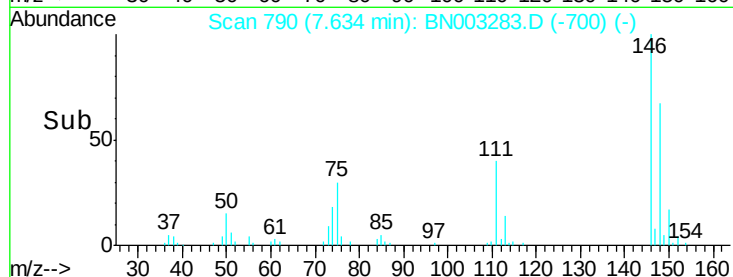
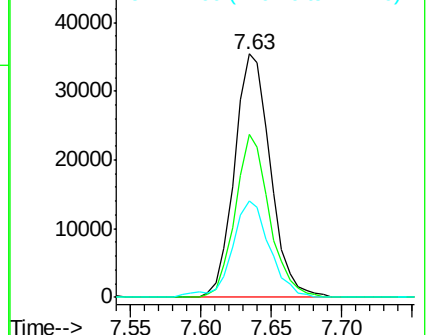
111 39.6 32.1 48.1



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 7.851 ng

RT: 7.95 min Scan# 843

Delta R.T. -0.00 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

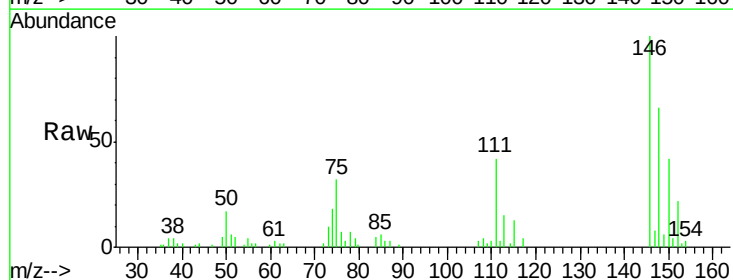
Tgt Ion:146 Resp: 61914

Ion Ratio Lower Upper

146 100

148 65.5 51.4 77.2

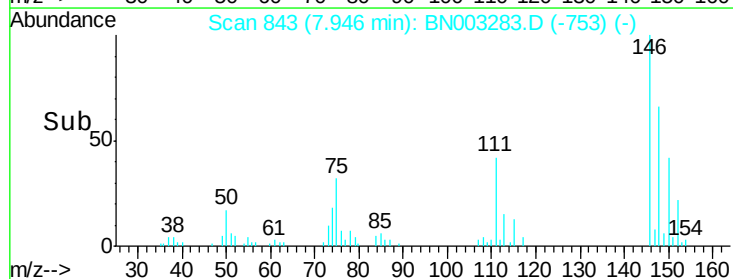
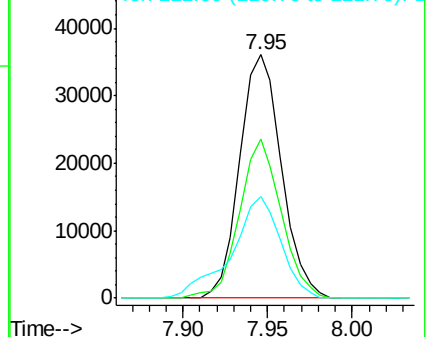
111 41.9 33.1 49.7

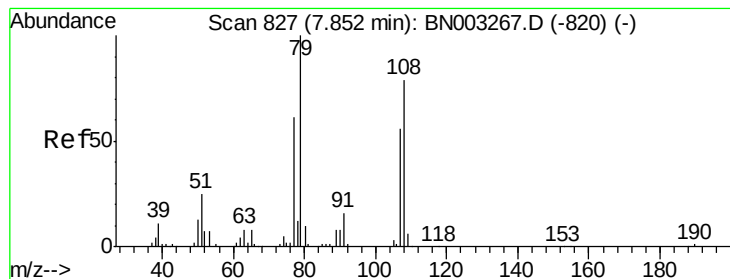


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 6.457 ng

RT: 7.86 min Scan# 828

Delta R.T. 0.01 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

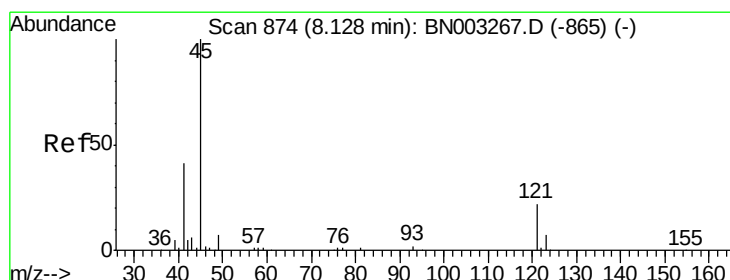
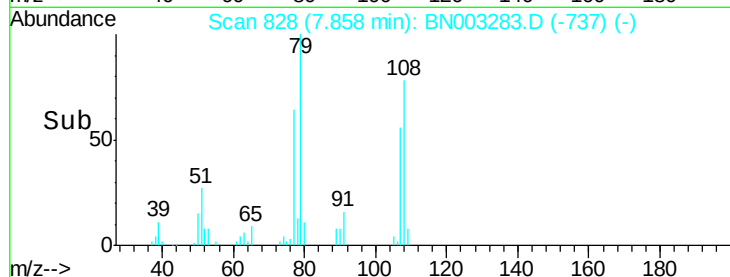
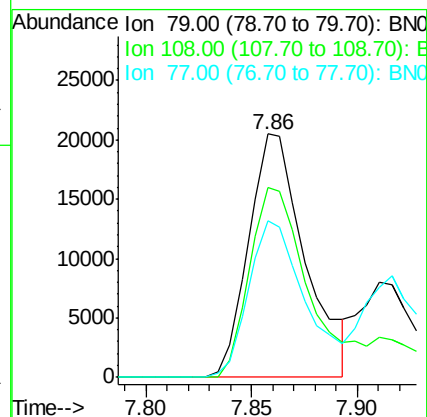
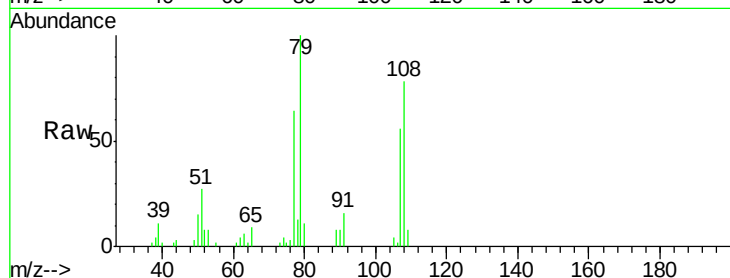
Tgt Ion: 79 Resp: 38128

Ion Ratio Lower Upper

79 100

108 77.9 63.3 94.9

77 64.4 49.0 73.6



#16

2,2'-oxybis(1-chloropropane)

Concen: 7.894 ng

RT: 8.13 min Scan# 874

Delta R.T. -0.00 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

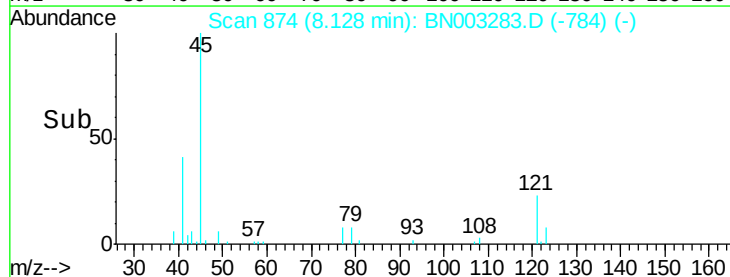
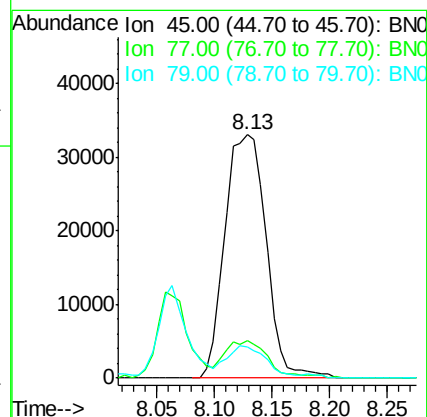
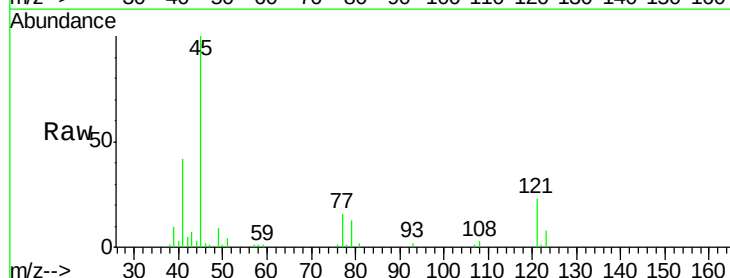
Tgt Ion: 45 Resp: 81744

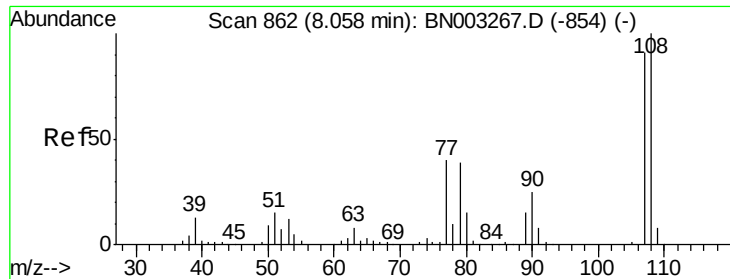
Ion Ratio Lower Upper

45 100

77 15.5 0.0 34.0

79 13.0 0.0 30.9

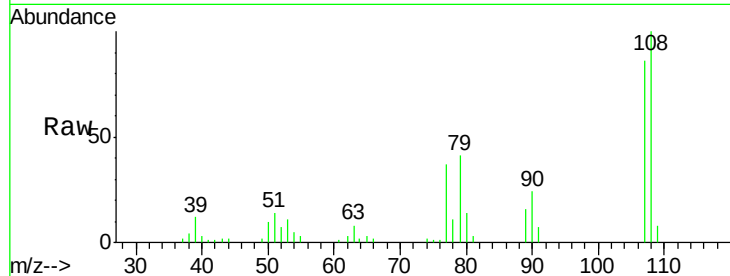




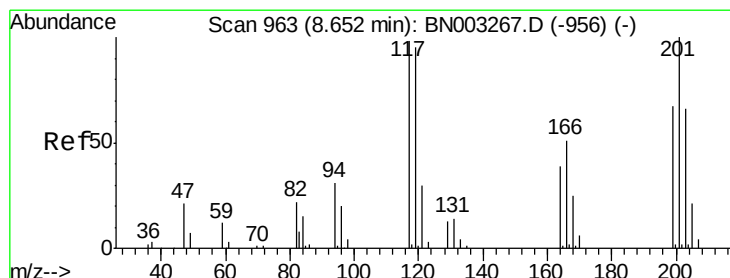
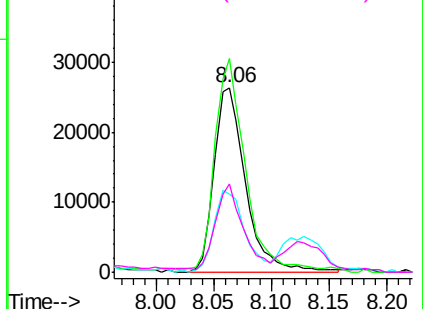
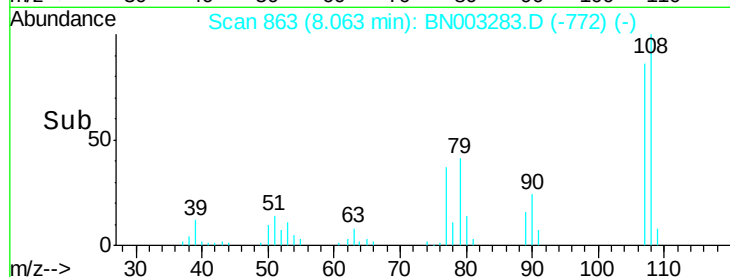
#17
2-Methylphenol
Concen: 8.458 ng
RT: 8.06 min Scan# 863
Delta R.T. 0.01 min
Lab File: BN003283.D
Acq: 24 Oct 2018 22:03

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:107 Resp: 49985
Ion Ratio Lower Upper
107 100
108 115.8 87.6 131.4
77 42.3 35.3 52.9
79 47.6 34.2 51.4

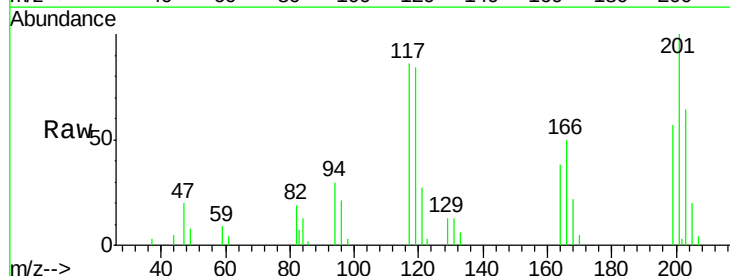


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BNC
Ion 79.00 (78.70 to 79.70): BNC

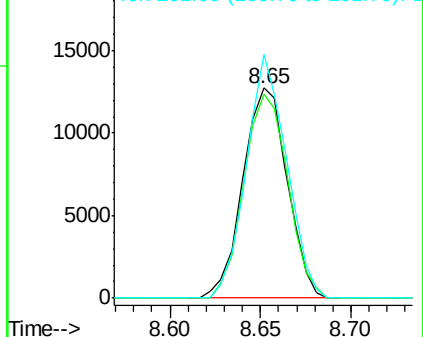
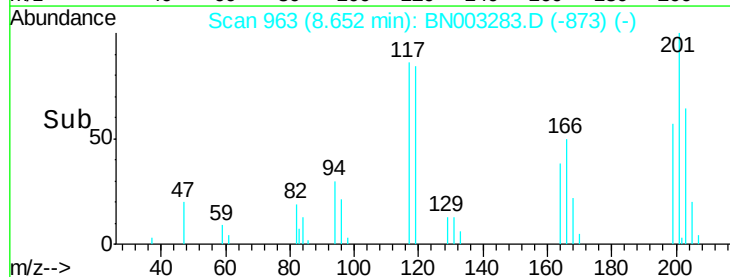


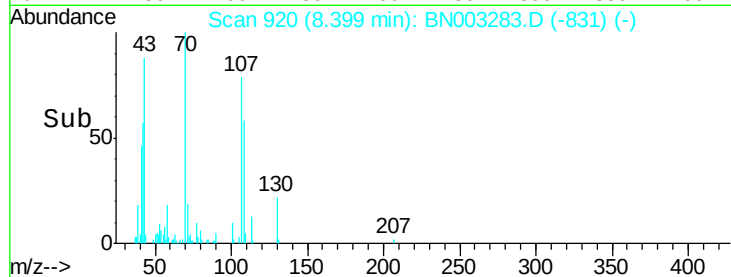
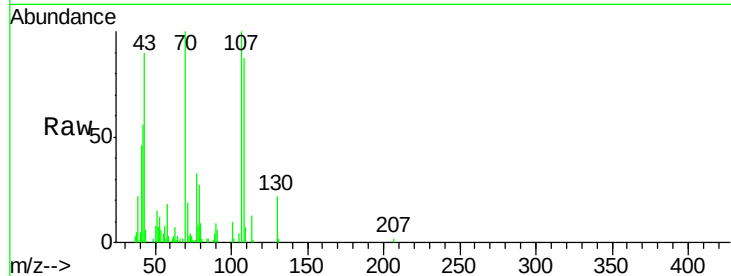
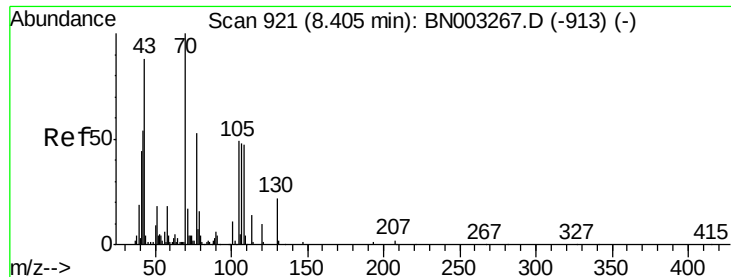
#18
Hexachloroethane
Concen: 7.595 ng
RT: 8.65 min Scan# 963
Delta R.T. -0.00 min
Lab File: BN003283.D
Acq: 24 Oct 2018 22:03

Tgt Ion:117 Resp: 21620
Ion Ratio Lower Upper
117 100
119 97.0 77.8 116.6
201 115.9 81.4 122.2



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

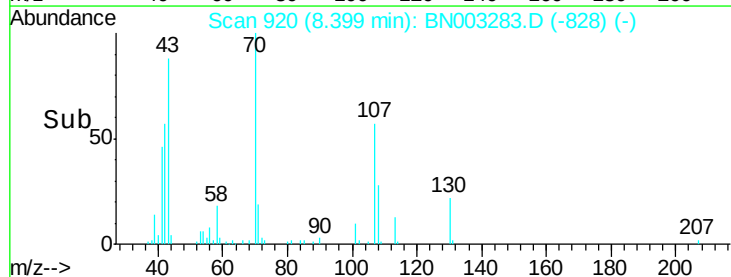
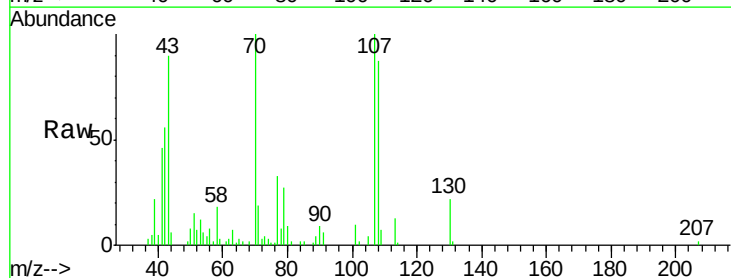
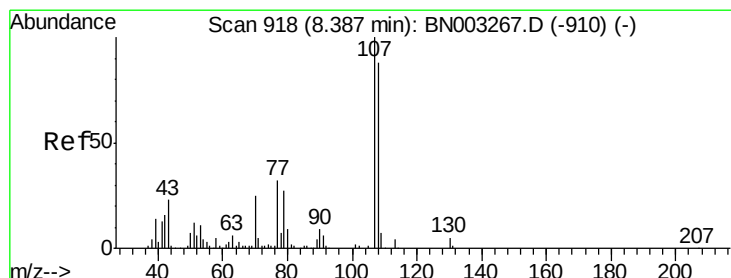
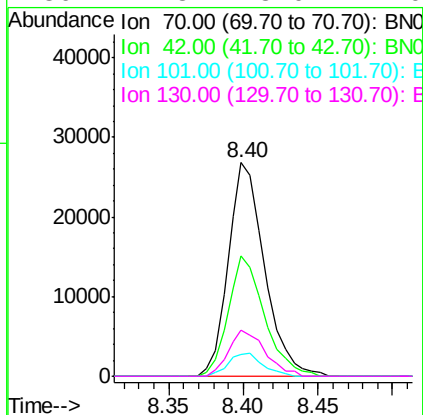




#19
n-Nitroso-di-n-propylamine
Concen: 7.697 ng
RT: 8.40 min Scan# 920
Delta R.T. -0.01 min
Lab File: BN003283.D
Acq: 24 Oct 2018 22:03

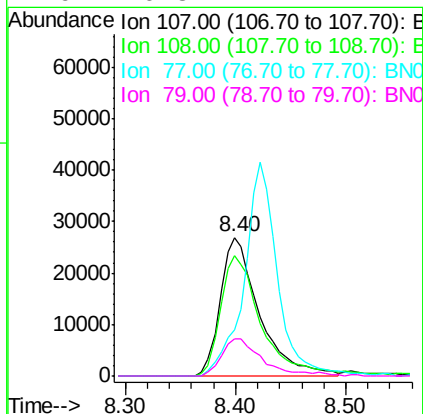
Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

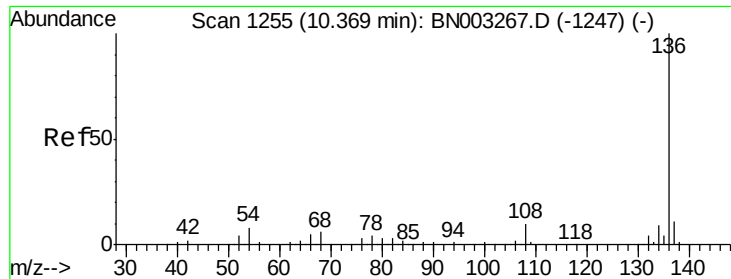
Tgt Ion:	70	Resp:	45484
Ion	Ratio	Lower	Upper
70	100		
42	56.6	43.5	65.3
101	10.0	8.6	12.8
130	21.8	18.0	27.0



#20
3+4-Methylphenols
Concen: 7.898 ng
RT: 8.40 min Scan# 920
Delta R.T. 0.01 min
Lab File: BN003283.D
Acq: 24 Oct 2018 22:03

Tgt Ion:	107	Resp:	66304
Ion	Ratio	Lower	Upper
107	100		
108	87.2	67.8	107.8
77	33.5	12.1	52.1
79	26.8	7.2	47.2

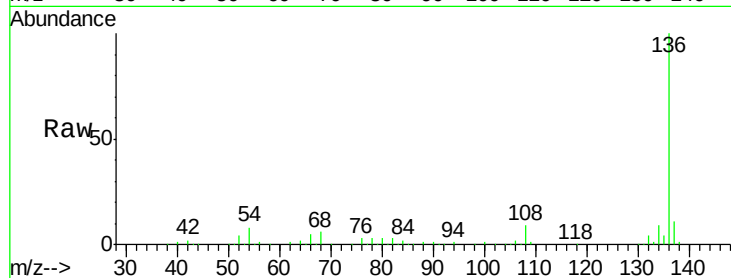




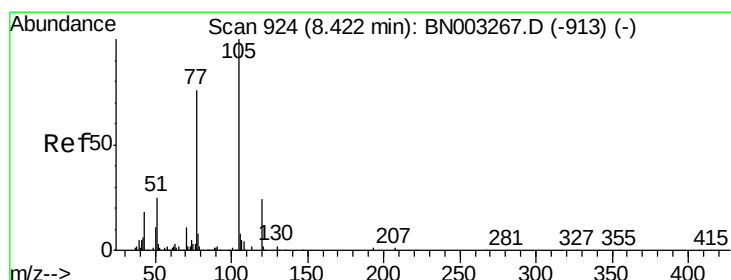
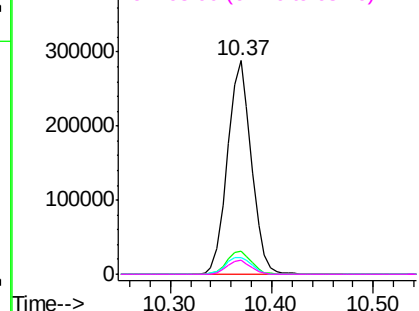
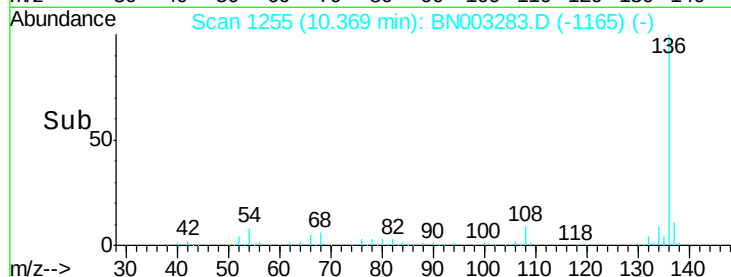
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.37 min Scan# 1255
Delta R.T. -0.00 min
Lab File: BN003283.D
Acq: 24 Oct 2018 22:03

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	136	Resp:	471216
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.7	13.1
54	8.1	6.6	10.0
68	6.3	4.6	7.0

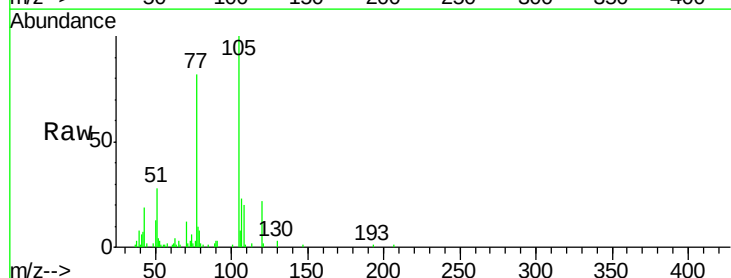


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BNC
Ion 68.00 (67.70 to 68.70): BNC

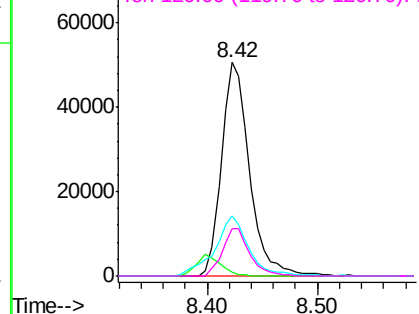
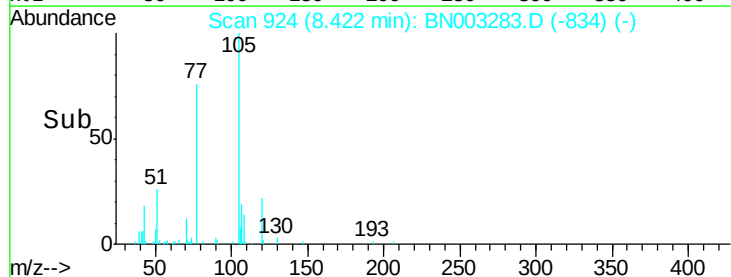


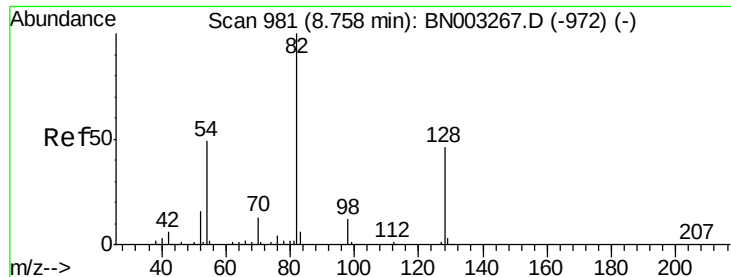
#22
Acetophenone
Concen: 7.808 ng
RT: 8.42 min Scan# 924
Delta R.T. -0.00 min
Lab File: BN003283.D
Acq: 24 Oct 2018 22:03

Tgt Ion:	105	Resp:	89184
Ion	Ratio	Lower	Upper
105	100		
71	1.7	1.3	1.9
51	28.3	20.5	30.7
120	21.9	19.0	28.6



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BNC
Ion 51.00 (50.70 to 51.70): BNC
Ion 120.00 (119.70 to 120.70): E

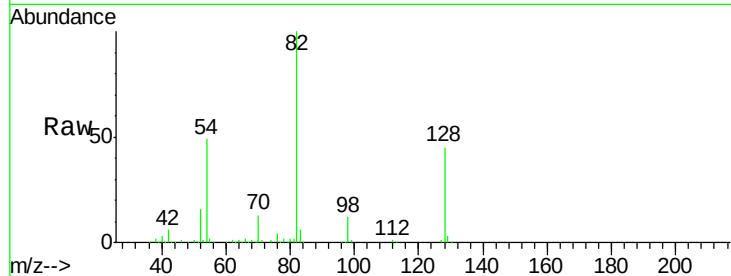




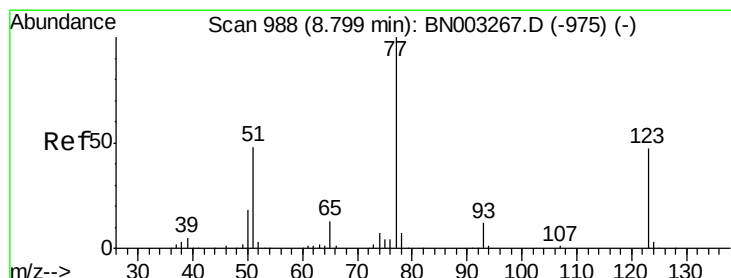
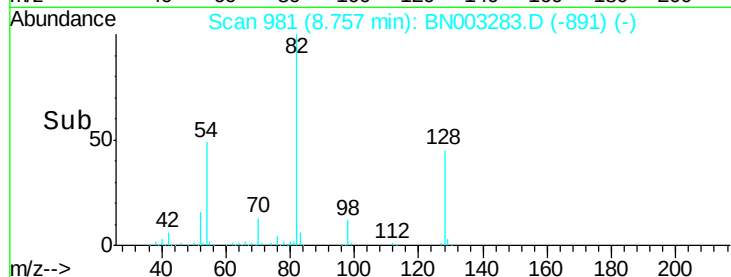
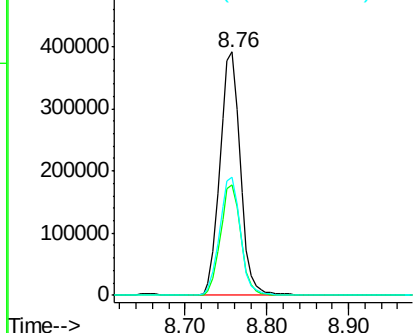
#23
 Nitrobenzene-d5
 Concen: 82.825 ng
 RT: 8.76 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: BN003283.D
 Acq: 24 Oct 2018 22:03

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion: 82 Resp: 680538
 Ion Ratio Lower Upper
 82 100
 128 45.5 37.1 55.7
 54 48.6 39.4 59.2

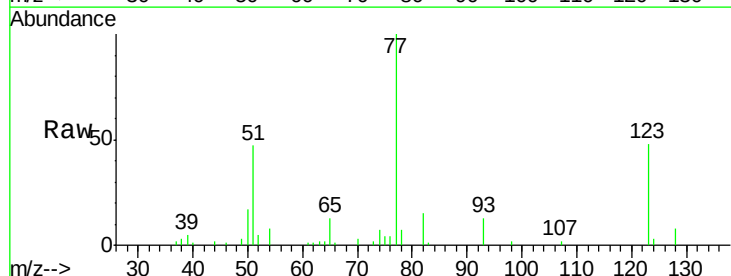


Abundance Ion 82.00 (81.70 to 82.70): BN0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BN0

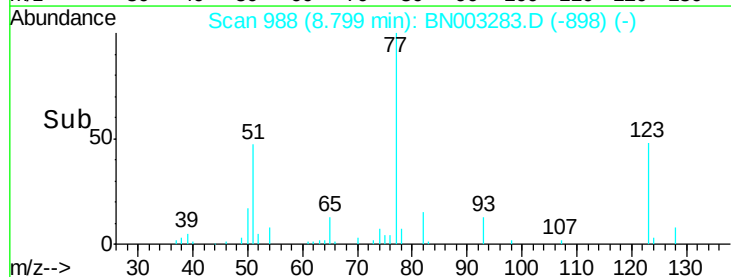
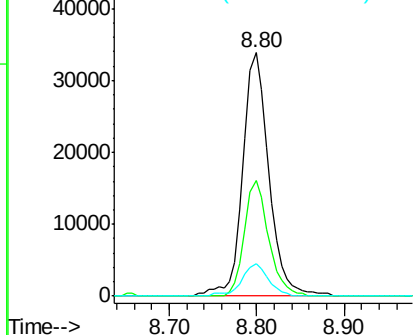


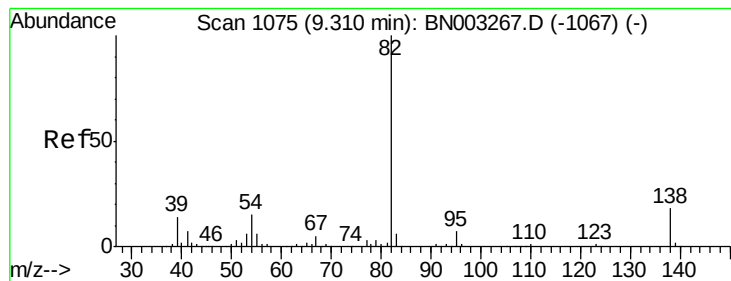
#24
 Nitrobenzene
 Concen: 8.146 ng
 RT: 8.80 min Scan# 988
 Delta R.T. -0.00 min
 Lab File: BN003283.D
 Acq: 24 Oct 2018 22:03

Tgt Ion: 77 Resp: 68302
 Ion Ratio Lower Upper
 77 100
 123 47.6 37.8 56.6
 65 13.2 10.7 16.1



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





#25

Isophorone

Concen: 8.669 ng

RT: 9.31 min Scan# 1075

Delta R.T. -0.00 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

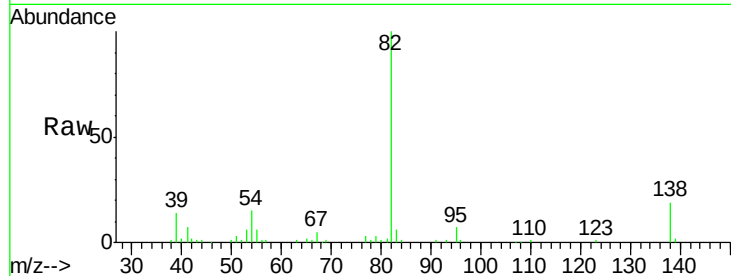
Tgt Ion: 82 Resp: 124943

Ion Ratio Lower Upper

82 100

95 6.7 5.4 8.0

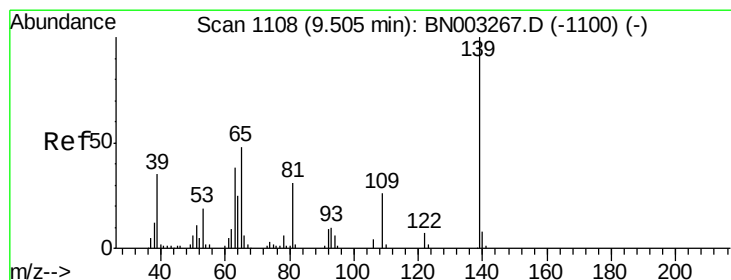
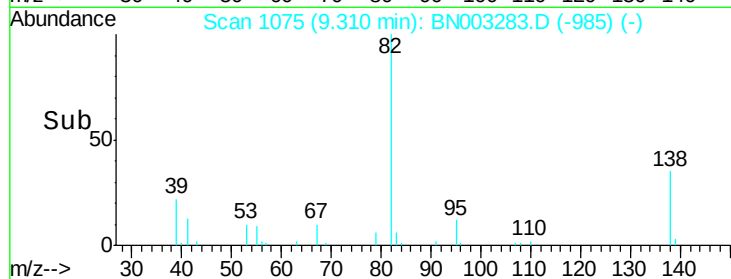
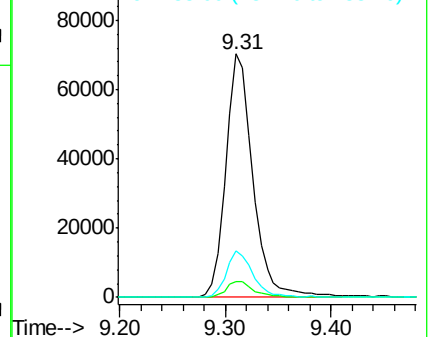
138 19.0 14.5 21.7



Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 95.00 (94.70 to 95.70): BNC

Ion 138.00 (137.70 to 138.70): BNC



#26

2-Nitrophenol

Concen: 7.019 ng

RT: 9.52 min Scan# 1110

Delta R.T. 0.01 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

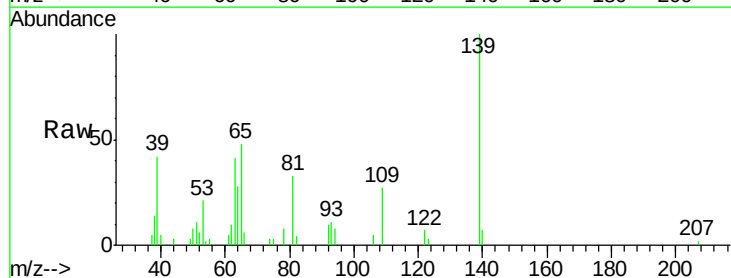
Tgt Ion: 139 Resp: 30975

Ion Ratio Lower Upper

139 100

109 27.0 20.5 30.7

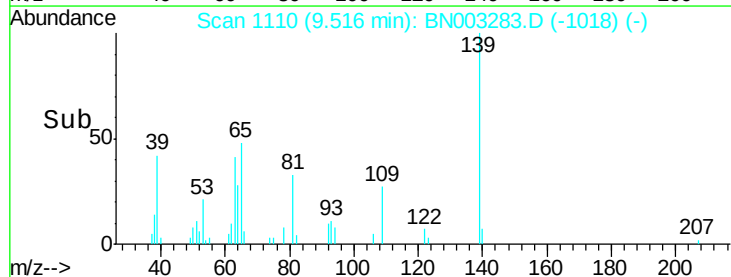
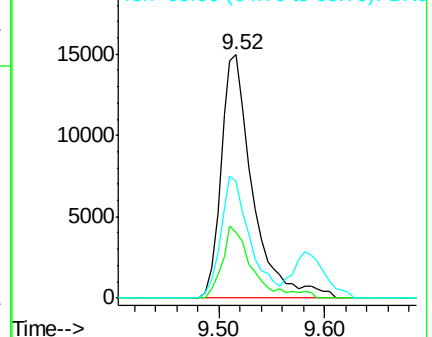
65 47.8 38.4 57.6

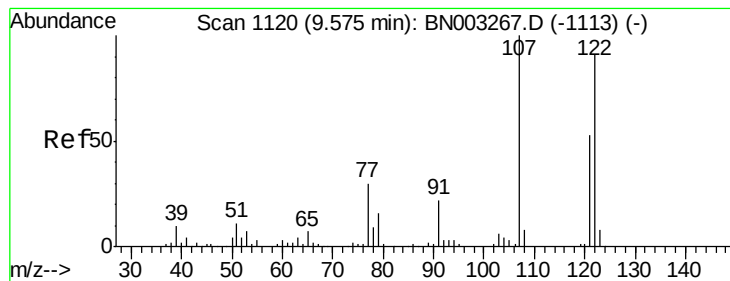


Abundance Ion 139.00 (138.70 to 139.70): BNC

Ion 109.00 (108.70 to 109.70): BNC

Ion 65.00 (64.70 to 65.70): BNC





#27

2,4-Dimethylphenol

Concen: 8.743 ng

RT: 9.59 min Scan# 1122

Delta R.T. 0.01 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

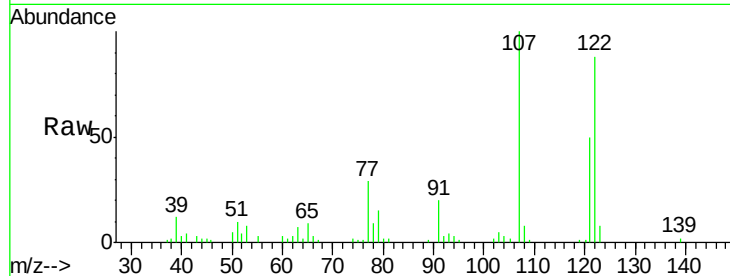
Tgt Ion:122 Resp: 54250

Ion Ratio Lower Upper

122 100

107 113.7 87.8 131.6

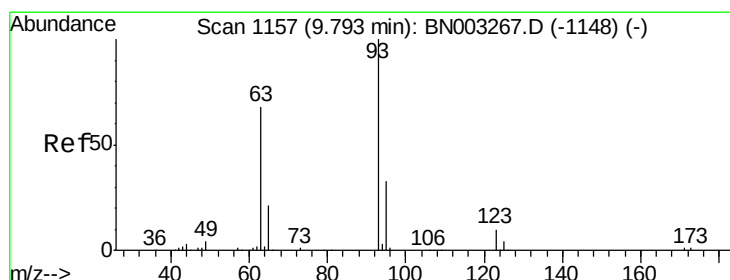
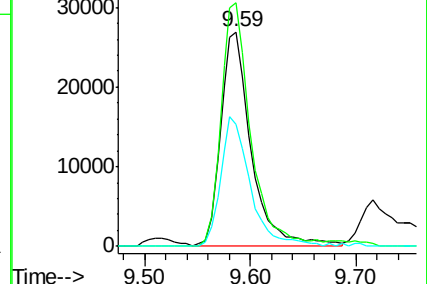
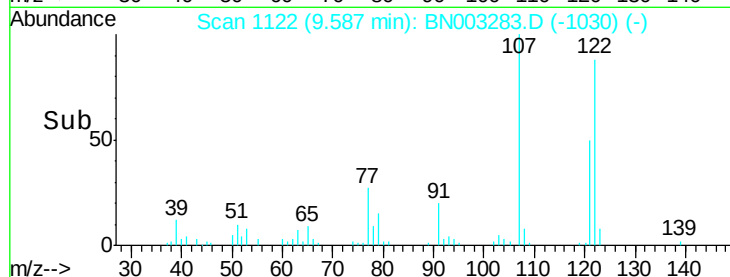
121 57.3 46.9 70.3



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: 8.223 ng

RT: 9.80 min Scan# 1158

Delta R.T. 0.01 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

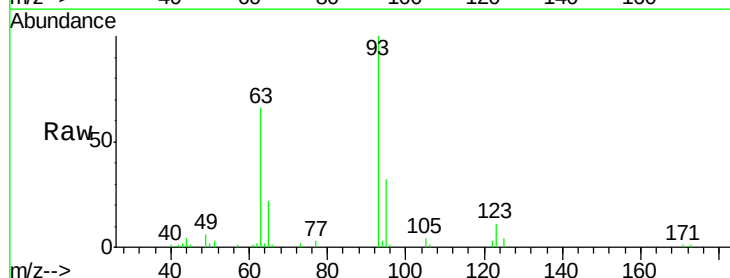
Tgt Ion: 93 Resp: 79846

Ion Ratio Lower Upper

93 100

95 31.6 26.2 39.4

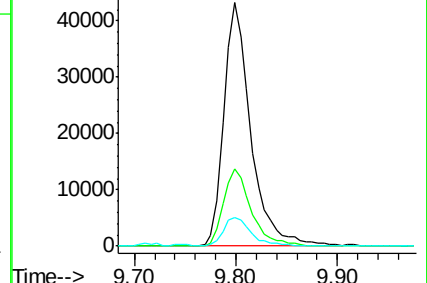
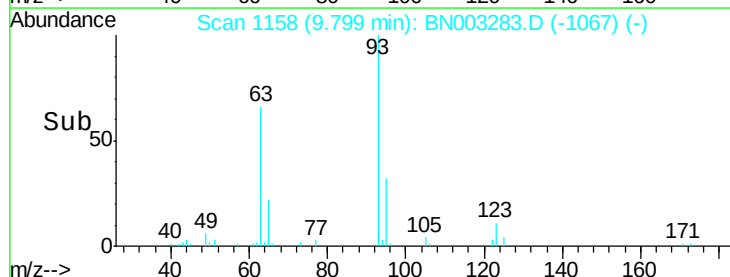
123 11.5 9.1 13.7

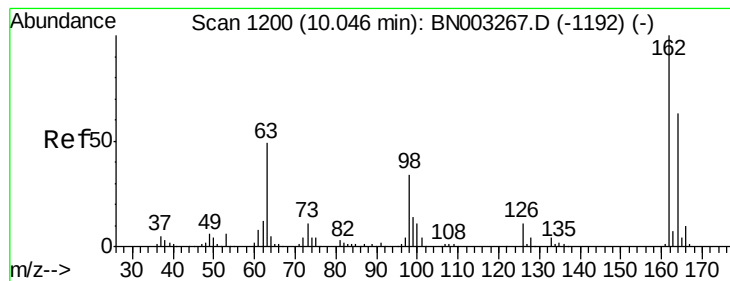


Abundance Ion 93.00 (92.70 to 93.70): BNC

Ion 95.00 (94.70 to 95.70): BNC

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 7.588 ng

RT: 10.07 min Scan# 1204

Delta R.T. 0.02 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

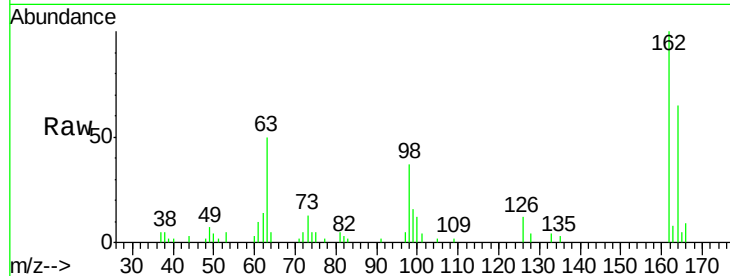
Tgt Ion:162 Resp: 53732

Ion Ratio Lower Upper

162 100

164 65.0 42.5 82.5

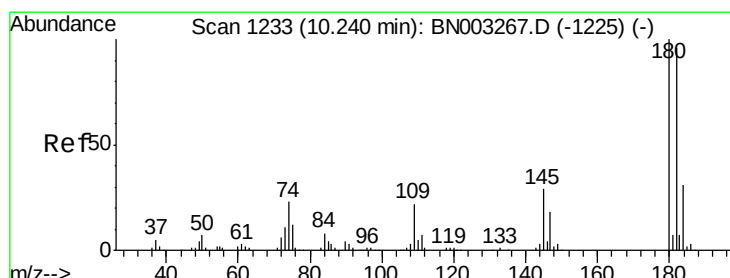
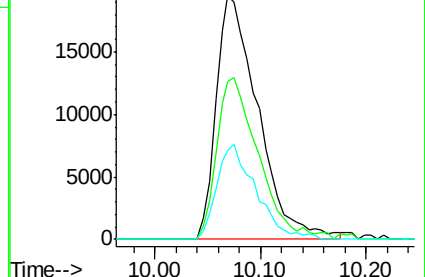
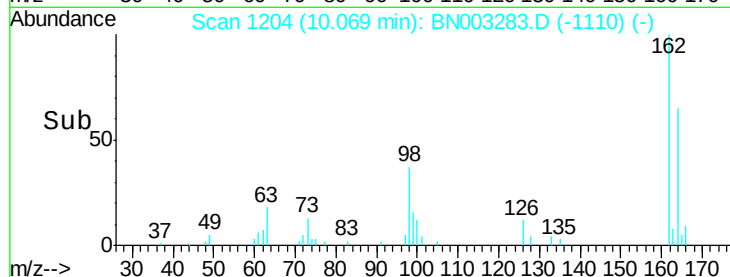
98 36.6 14.0 54.0



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: 7.602 ng

RT: 10.24 min Scan# 1233

Delta R.T. -0.00 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

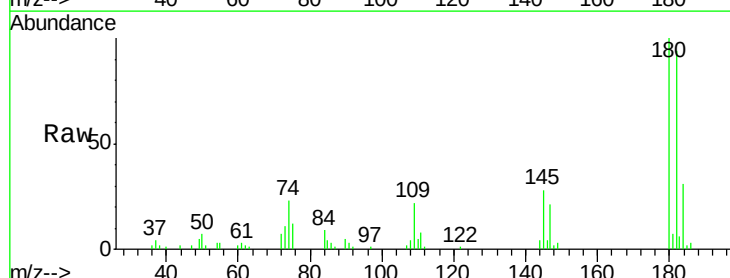
Tgt Ion:180 Resp: 61191

Ion Ratio Lower Upper

180 100

182 94.1 76.4 114.6

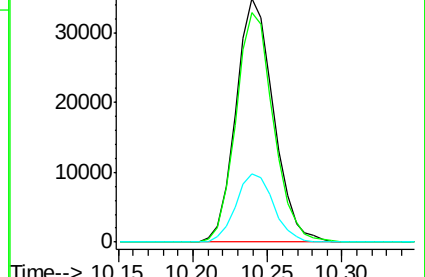
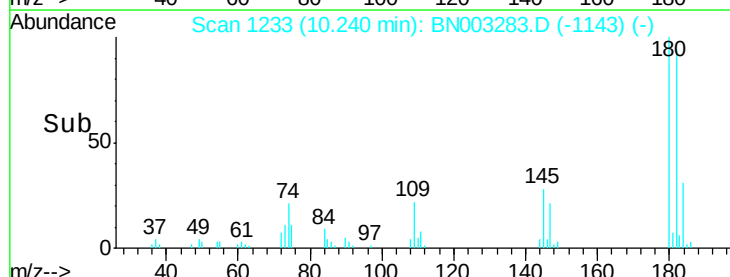
145 28.1 23.6 35.4

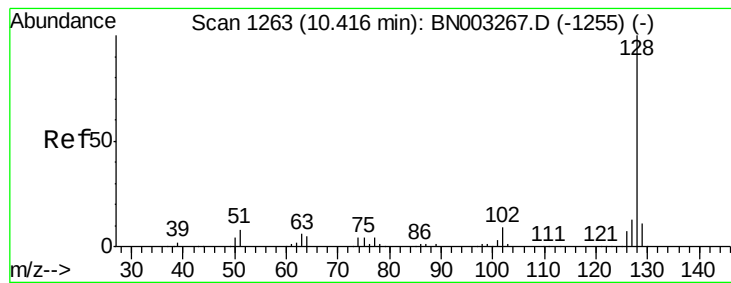


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 8.405 ng

RT: 10.42 min Scan# 1263

Delta R.T. -0.00 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

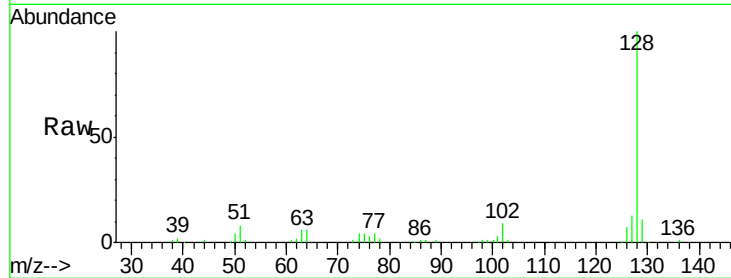
Tgt Ion:128 Resp: 193550

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.6

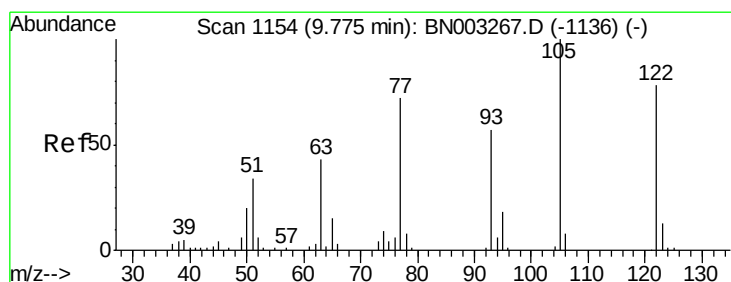
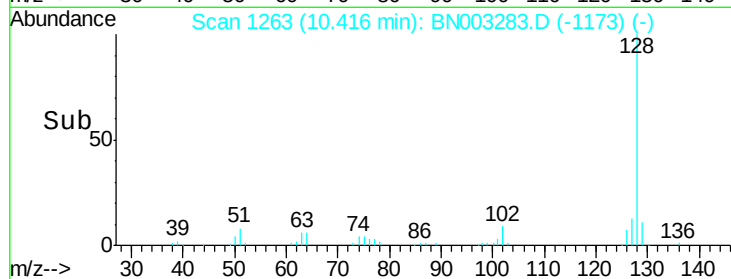
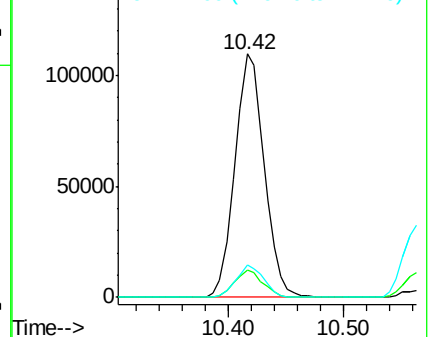
127 13.1 10.4 15.6



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: 7.799 ng

RT: 9.72 min Scan# 1144

Delta R.T. -0.06 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

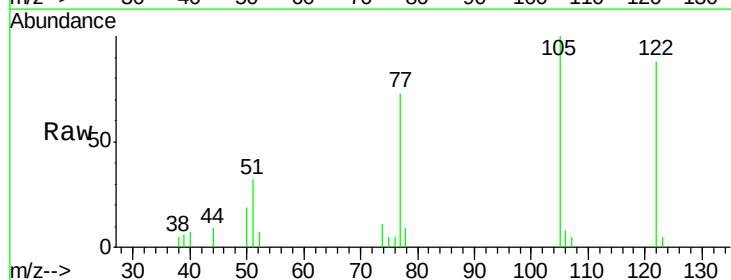
Tgt Ion:122 Resp: 16550

Ion Ratio Lower Upper

122 100

105 114.0 106.8 146.8

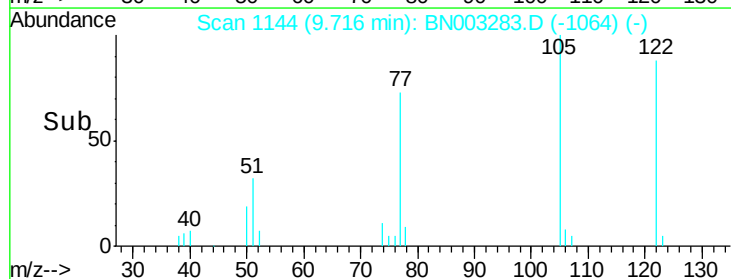
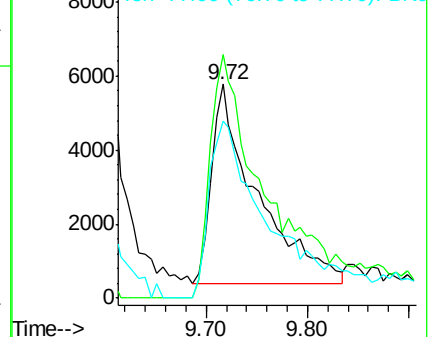
77 82.9 71.9 111.9

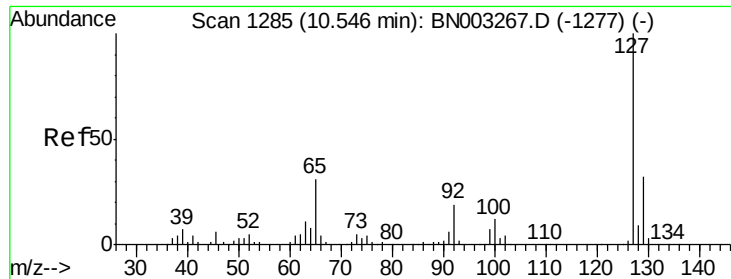


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BNC

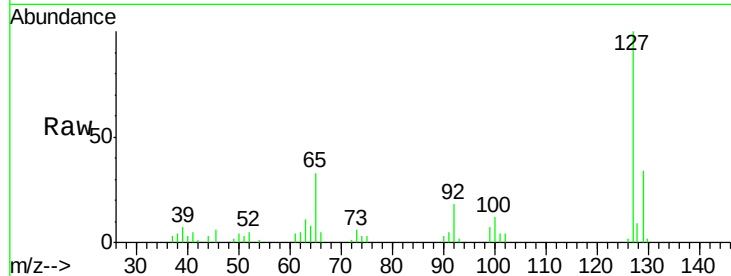




#33
4-Chloroaniline
Concen: 7.373 ng
RT: 10.56 min Scan# 1288
Delta R.T. 0.02 min
Lab File: BN003283.D
Acq: 24 Oct 2018 22:03

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	127	Resp:	75017
Ion	Ratio	Lower	Upper
127	100		
129	33.6	25.8	38.6
65	32.6	24.6	36.8
92	18.3	15.3	22.9

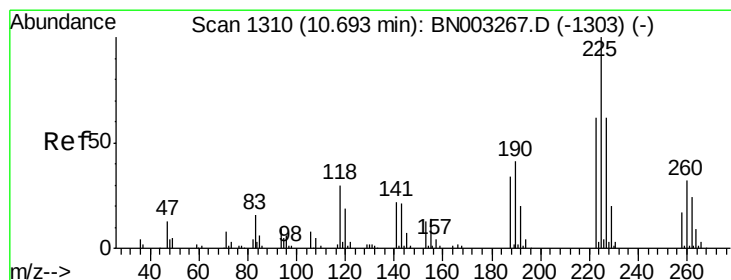
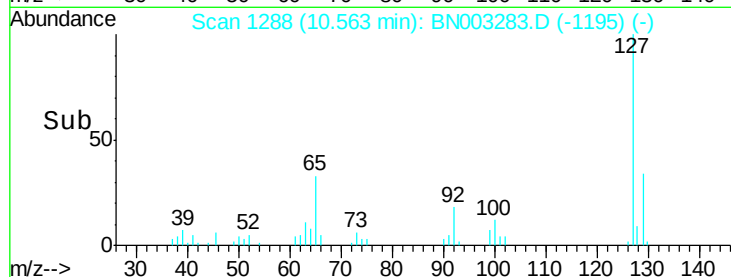
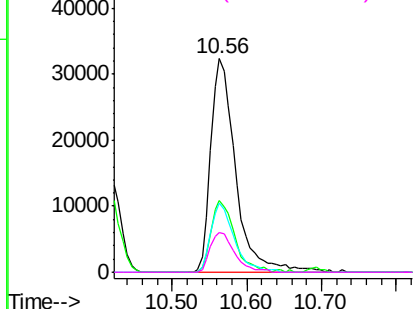


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

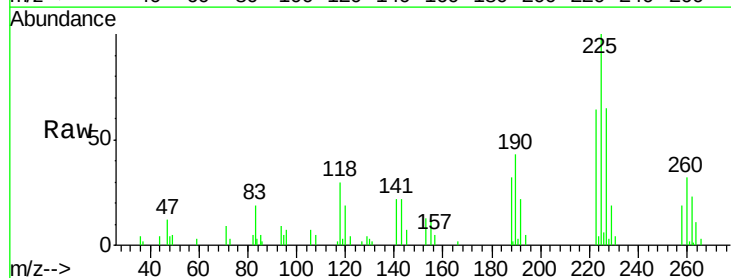
Ion 65.00 (64.70 to 65.70): BNC

Ion 92.00 (91.70 to 92.70): BNC



#34
Hexachlorobutadiene
Concen: 7.304 ng
RT: 10.69 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN003283.D
Acq: 24 Oct 2018 22:03

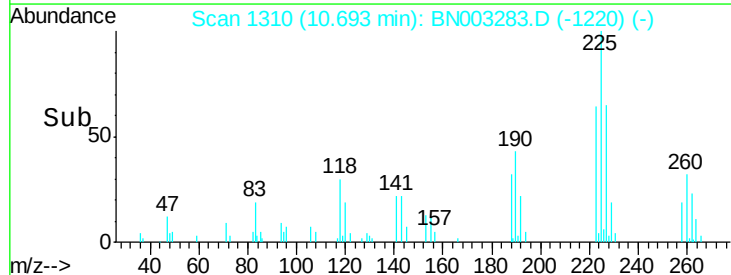
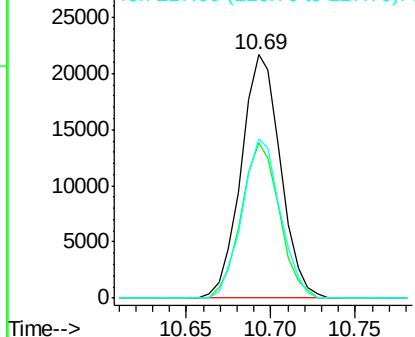
Tgt Ion:	225	Resp:	35085
Ion	Ratio	Lower	Upper
225	100		
223	63.8	49.8	74.8
227	65.3	49.6	74.4

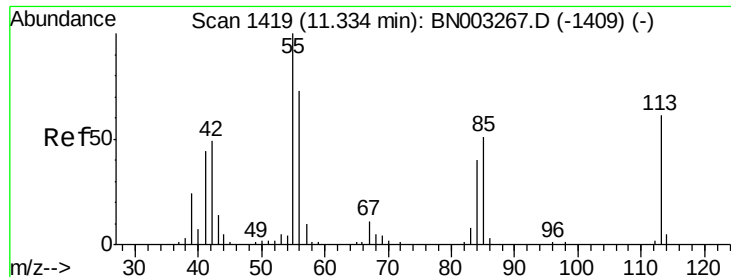


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 6.781 ng

RT: 11.32 min Scan# 1416

Delta R.T. -0.02 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

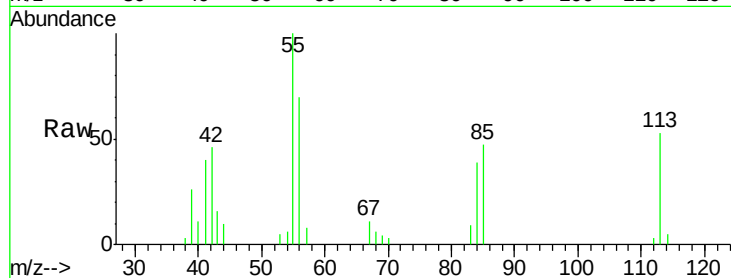
Tgt Ion:113 Resp: 18802

Ion Ratio Lower Upper

113 100

55 187.2 144.2 184.2#

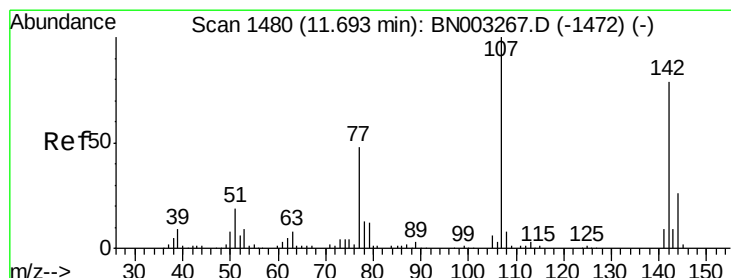
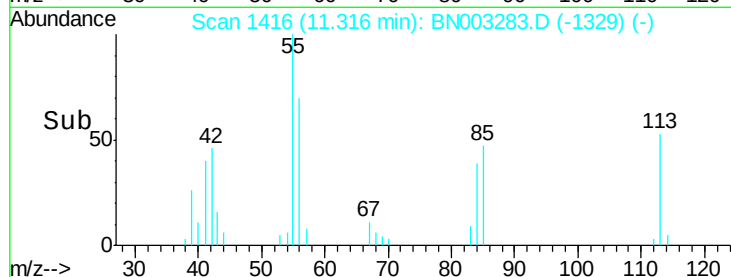
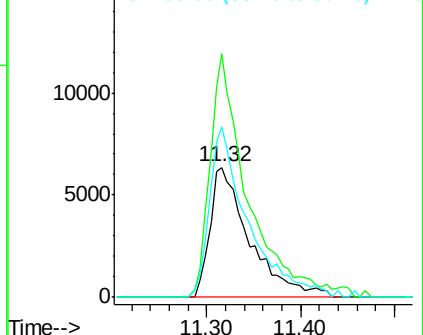
56 130.9 100.6 140.6



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BNO

Ion 56.00 (55.70 to 56.70): BNO



#36

4-Chloro-3-methylphenol

Concen: 7.901 ng

RT: 11.70 min Scan# 1482

Delta R.T. 0.01 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

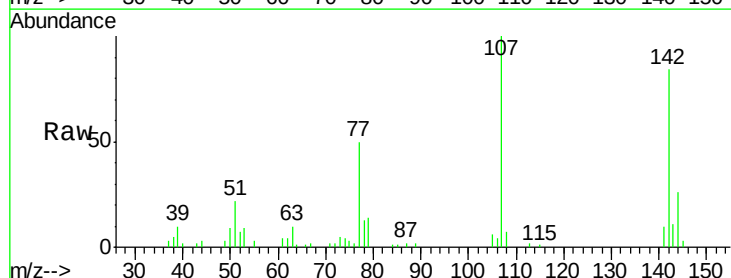
Tgt Ion:107 Resp: 62399

Ion Ratio Lower Upper

107 100

144 26.0 20.8 31.2

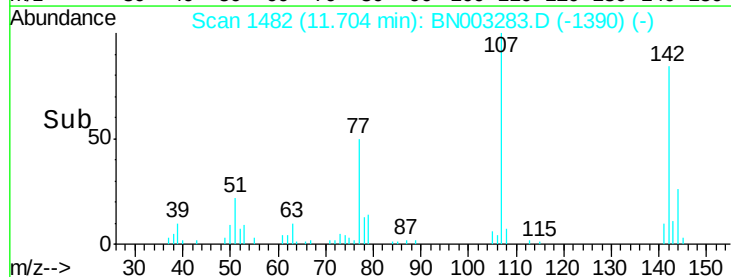
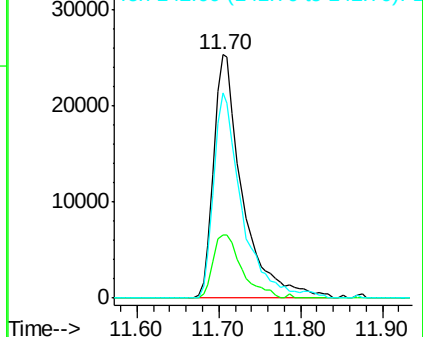
142 84.3 63.5 95.3

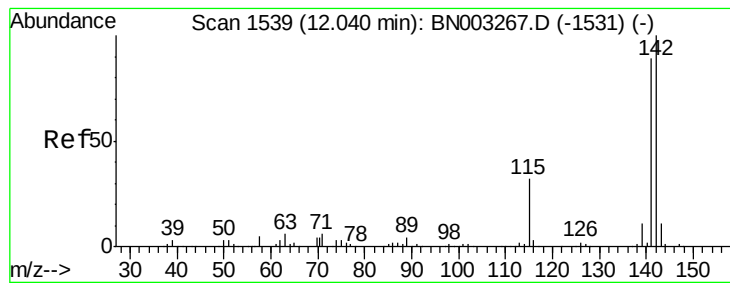


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

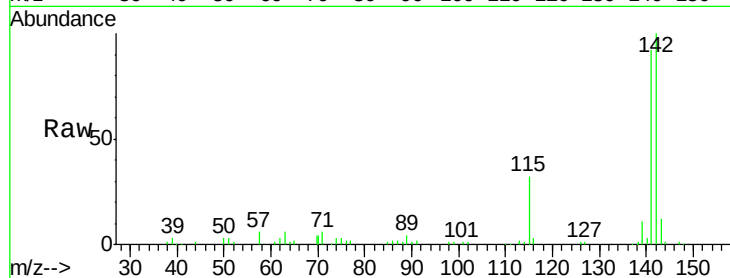




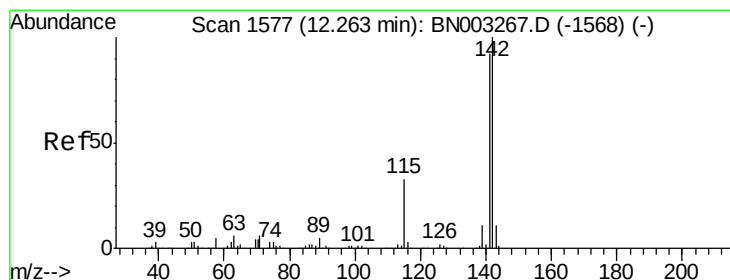
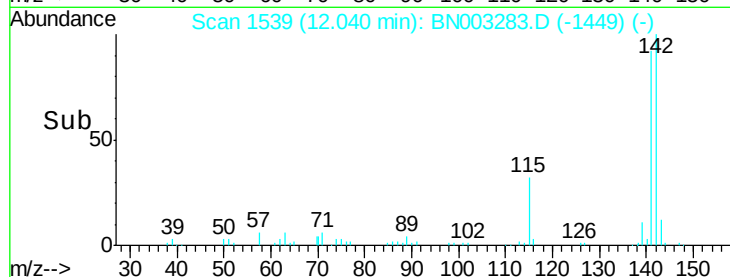
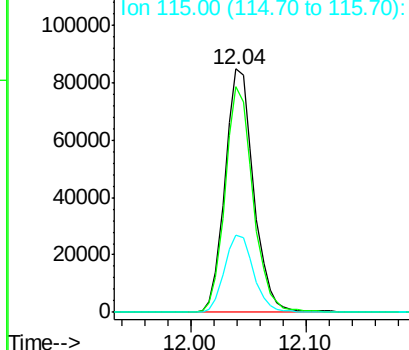
#37
 2-Methylnaphthalene
 Concen: 8.845 ng
 RT: 12.04 min Scan# 1539
 Delta R.T. -0.00 min
 Lab File: BN003283.D
 Acq: 24 Oct 2018 22:03

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:142 Resp: 145556
 Ion Ratio Lower Upper
 142 100
 141 92.5 71.6 107.4
 115 31.9 25.5 38.3

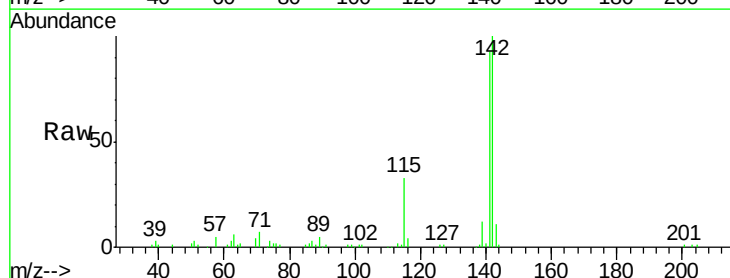


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

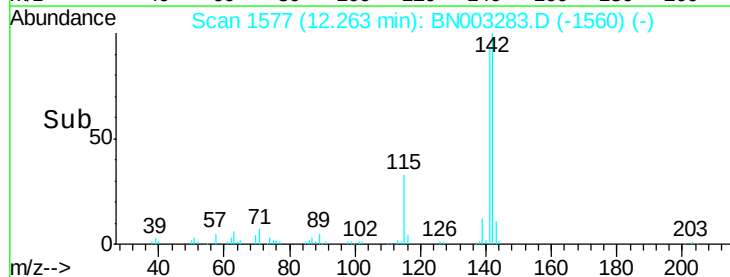
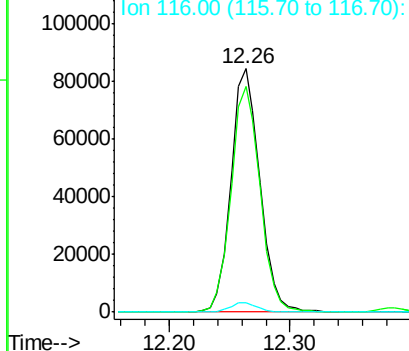


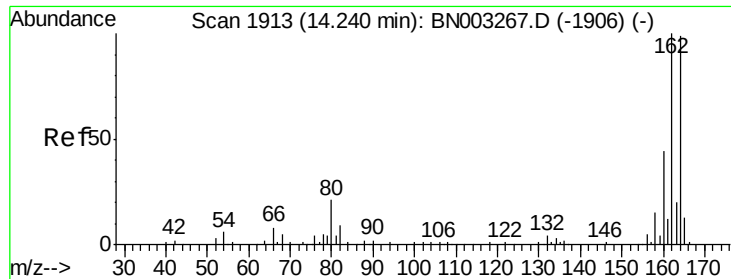
#38
 1-Methylnaphthalene
 Concen: 8.739 ng
 RT: 12.26 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: BN003283.D
 Acq: 24 Oct 2018 22:03

Tgt Ion:142 Resp: 140452
 Ion Ratio Lower Upper
 142 100
 141 92.7 73.6 110.4
 116 3.7 2.8 4.2



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: 14.24 min Scan# 1913

Delta R.T. -0.00 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

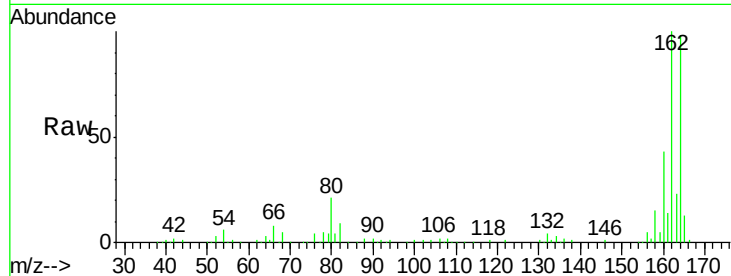
Tgt Ion:164 Resp: 298045

Ion Ratio Lower Upper

164 100

162 101.6 80.8 121.2

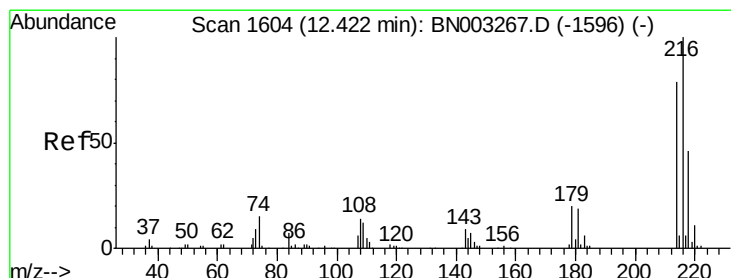
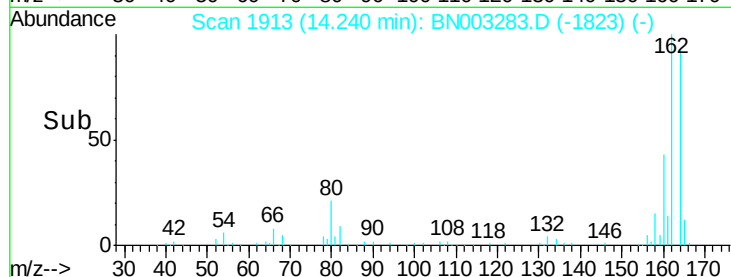
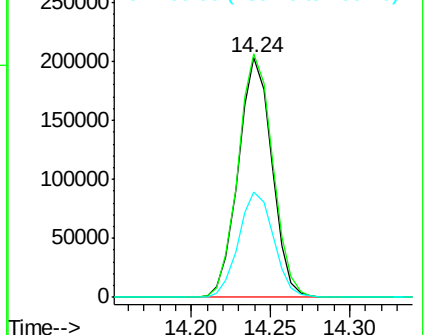
160 44.1 35.5 53.3



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: 7.172 ng

RT: 12.43 min Scan# 1605

Delta R.T. 0.01 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

Tgt Ion:216 Resp: 70711

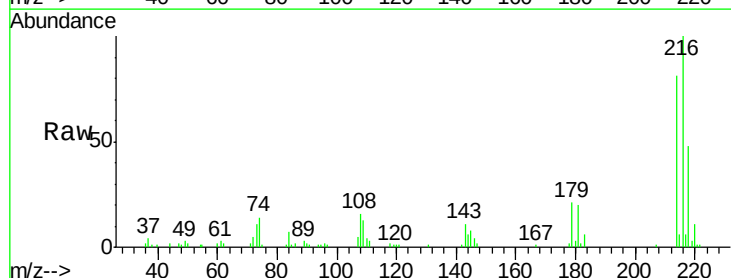
Ion Ratio Lower Upper

216 100

214 79.5 62.8 94.2

179 20.1 16.0 24.0

108 16.2 12.9 19.3

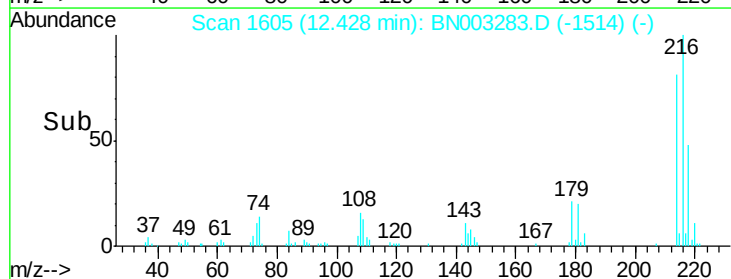
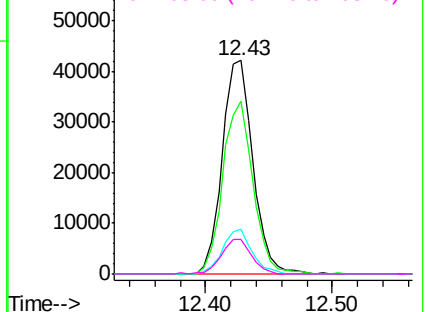


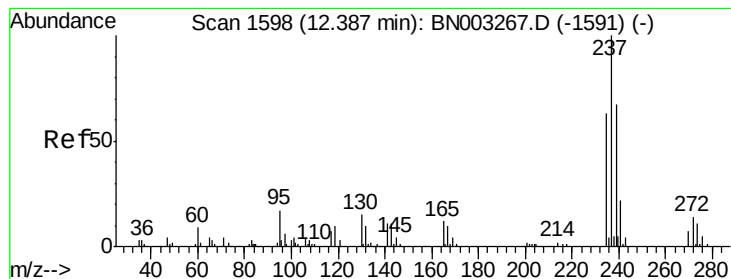
Abundance Ion 216.00 (215.70 to 216.70): E

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: 11.978 ng

RT: 12.39 min Scan# 1598

Delta R.T. 0.00 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

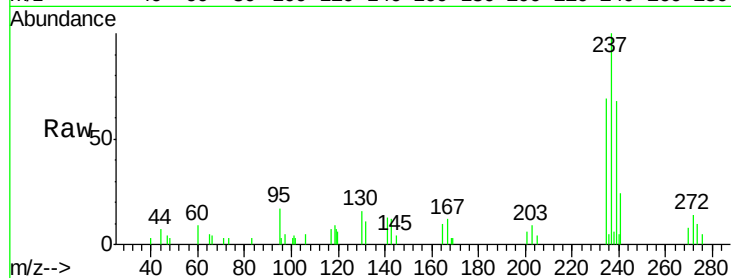
Tgt Ion:237 Resp: 14676

Ion Ratio Lower Upper

237 100

235 68.8 42.8 82.8

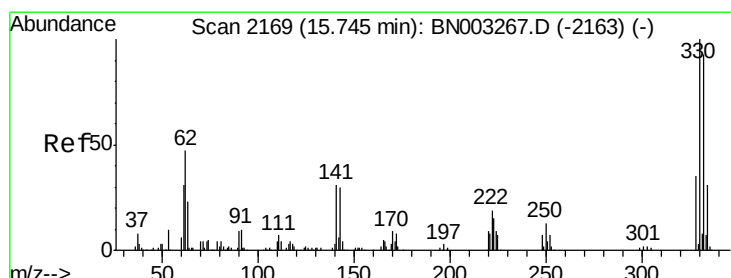
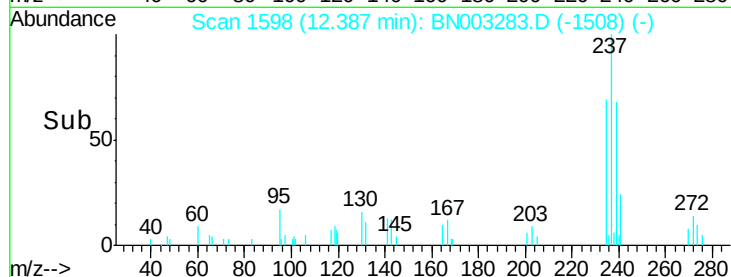
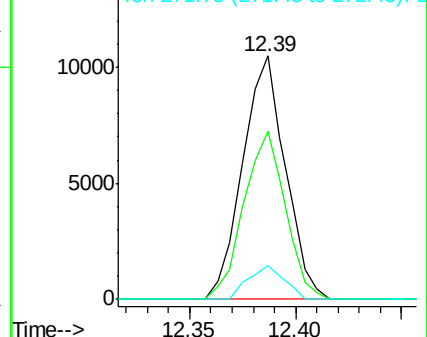
272 13.9 0.0 33.5



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: 148.150 ng

RT: 15.75 min Scan# 2169

Delta R.T. -0.00 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

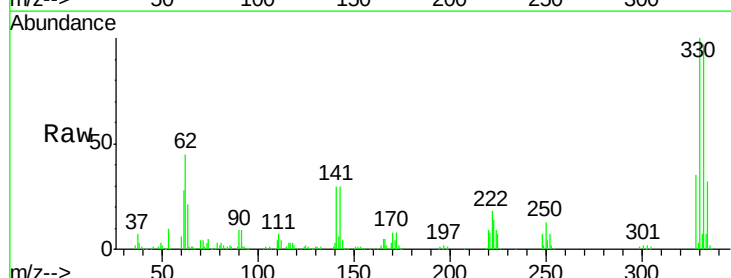
Tgt Ion:330 Resp: 594568

Ion Ratio Lower Upper

330 100

332 96.2 76.6 114.8

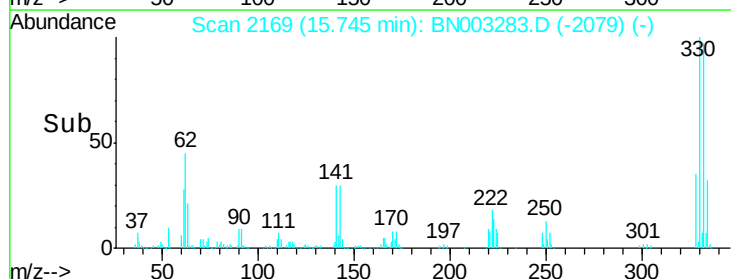
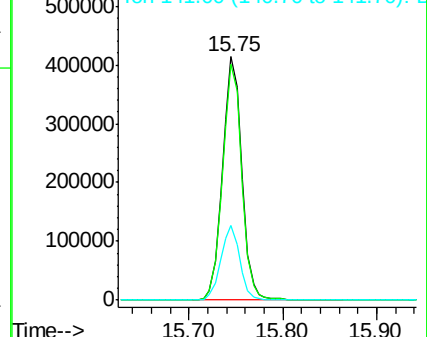
141 30.1 24.5 36.7

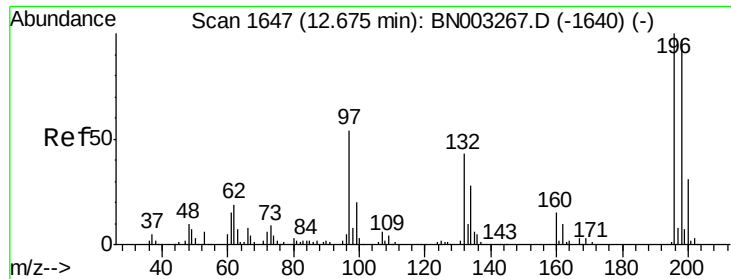


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

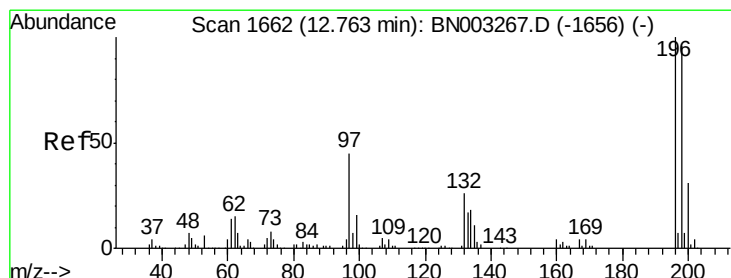
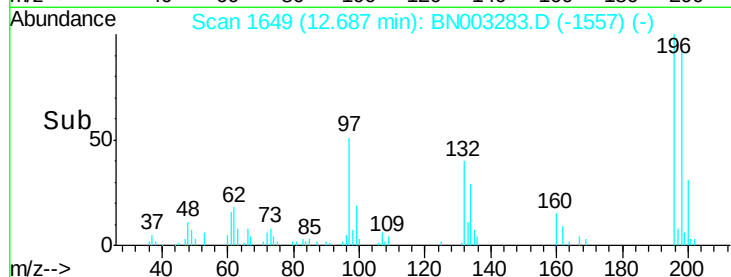
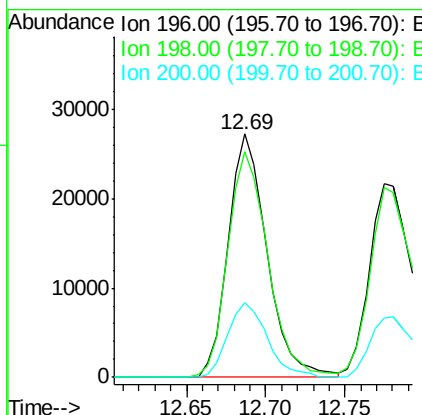
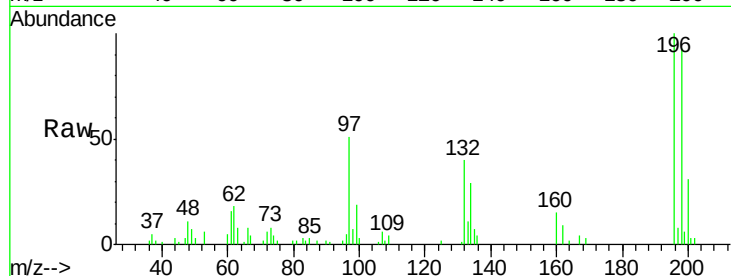




#43
 2,4,6-Trichlorophenol
 Concen: 7.418 ng
 RT: 12.69 min Scan# 1649
 Delta R.T. 0.01 min
 Lab File: BN003283.D
 Acq: 24 Oct 2018 22:03

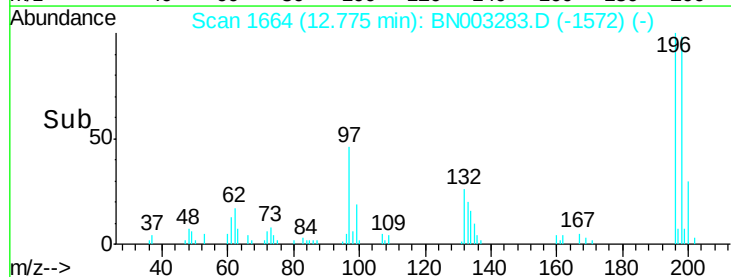
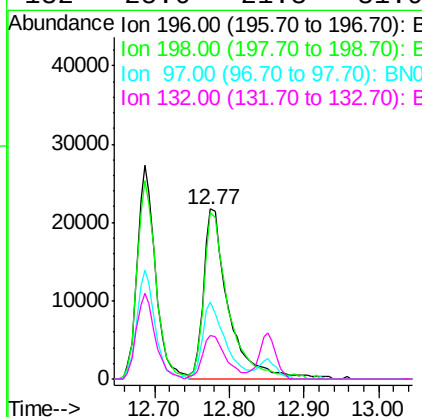
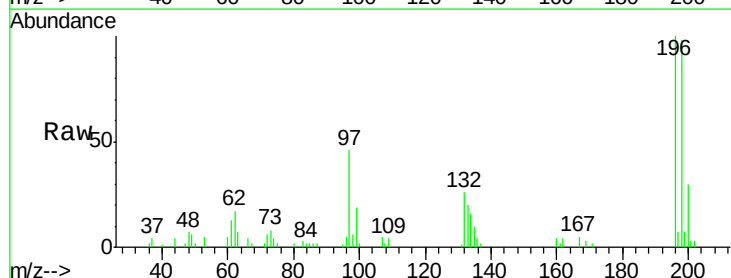
Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

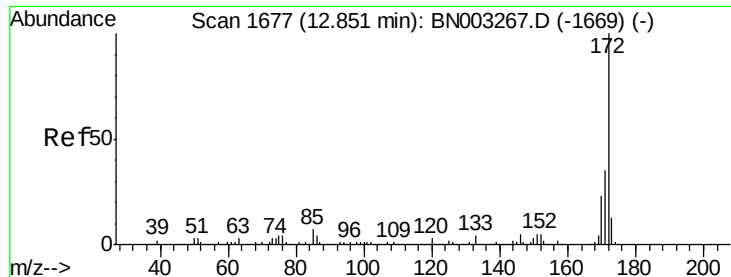
Tgt Ion:196 Resp: 46213
 Ion Ratio Lower Upper
 196 100
 198 92.7 77.4 116.0
 200 30.8 25.0 37.6



#44
 2,4,5-Trichlorophenol
 Concen: 7.869 ng
 RT: 12.77 min Scan# 1664
 Delta R.T. 0.01 min
 Lab File: BN003283.D
 Acq: 24 Oct 2018 22:03

Tgt Ion:196 Resp: 51129
 Ion Ratio Lower Upper
 196 100
 198 98.0 76.8 115.2
 97 45.6 35.8 53.8
 132 25.6 21.3 31.9

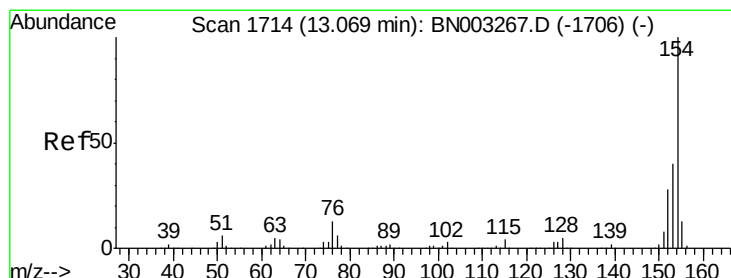
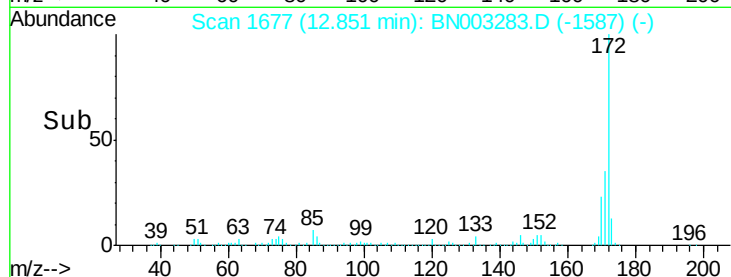
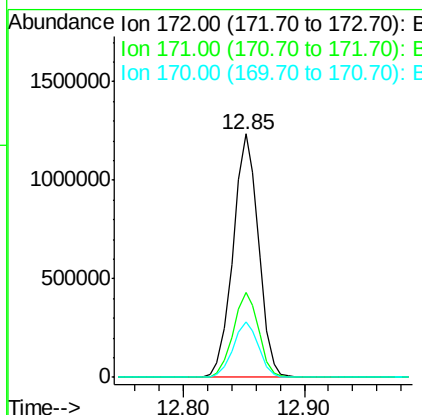
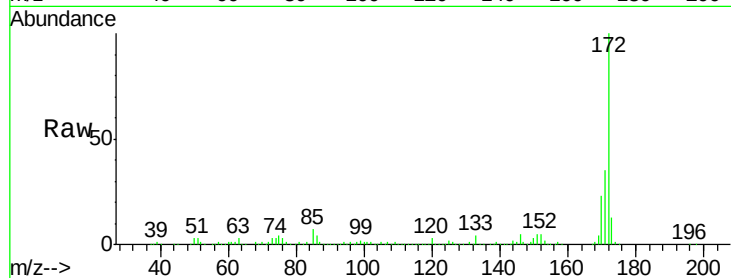




#45
2-Fluorobiphenyl
Concen: 82.299 ng
RT: 12.85 min Scan# 1677
Delta R.T. -0.00 min
Lab File: BN003283.D
Acq: 24 Oct 2018 22:03

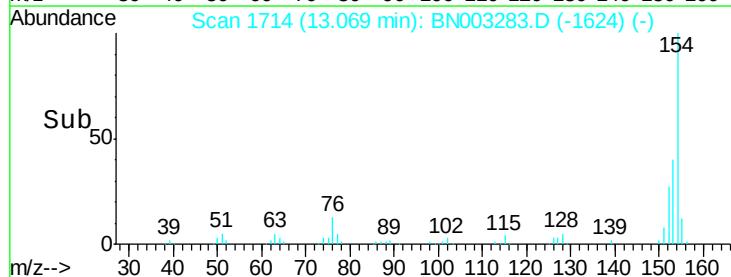
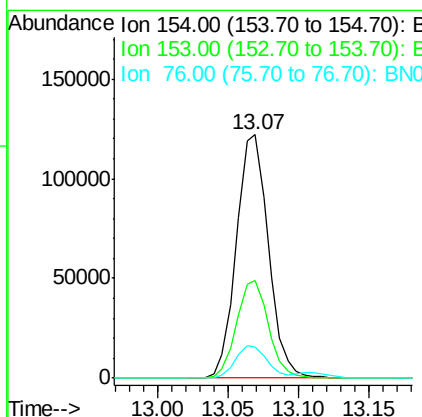
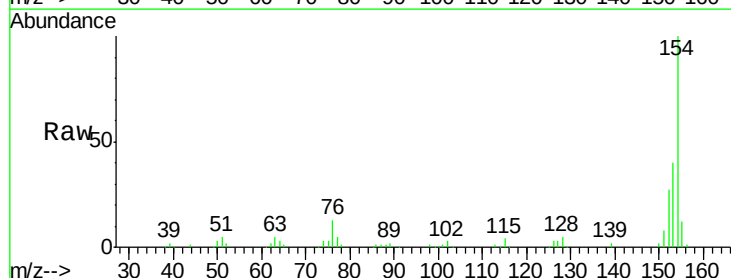
Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

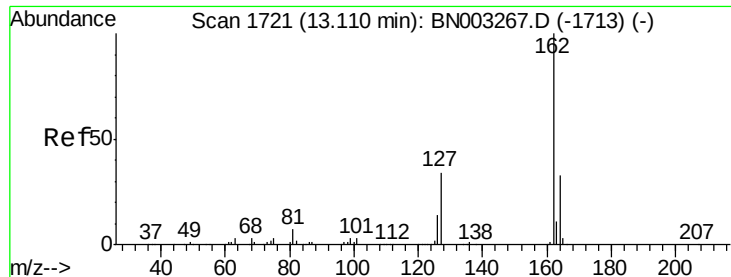
Tgt Ion:172 Resp: 1808340
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.4
170 22.9 18.4 27.6



#46
1,1'-Biphenyl
Concen: 7.417 ng
RT: 13.07 min Scan# 1714
Delta R.T. -0.00 min
Lab File: BN003283.D
Acq: 24 Oct 2018 22:03

Tgt Ion:154 Resp: 194008
Ion Ratio Lower Upper
154 100
153 39.9 20.5 60.5
76 12.9 0.0 33.3

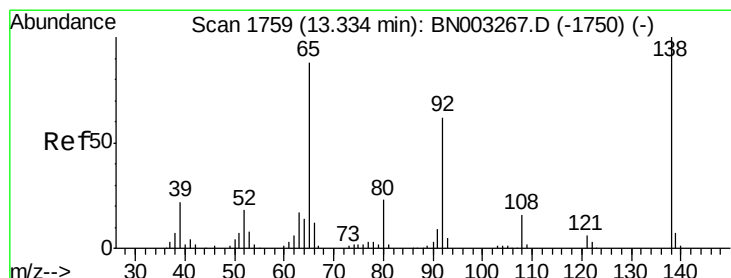
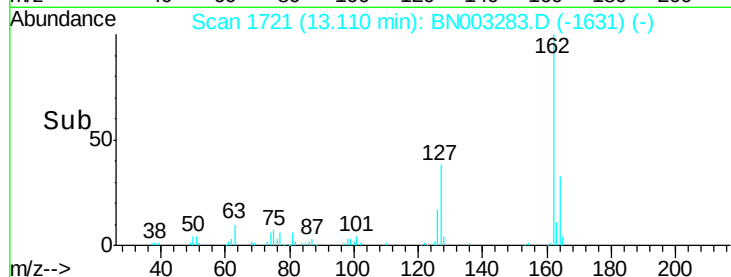
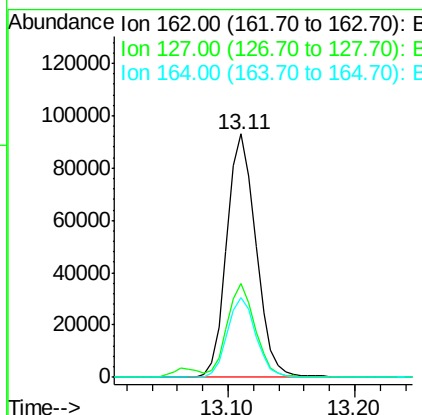
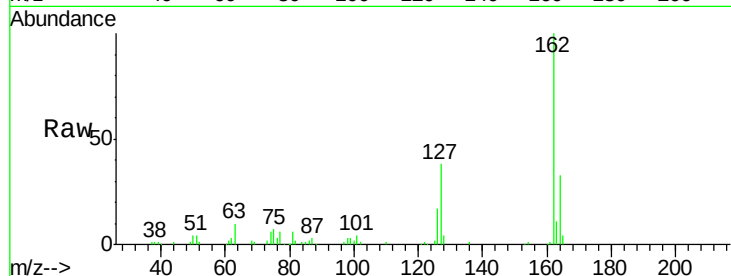




#47
2-Chloronaphthalene
Concen: 7.685 ng
RT: 13.11 min Scan# 1721
Delta R.T. -0.00 min
Lab File: BN003283.D
Acq: 24 Oct 2018 22:03

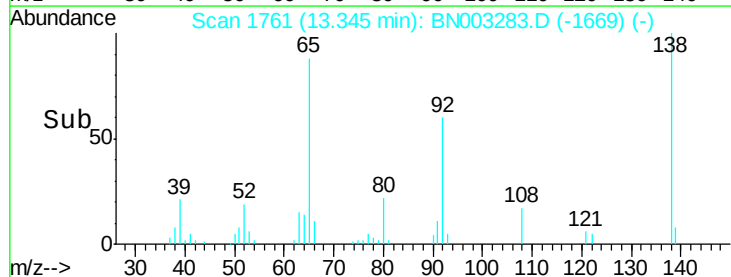
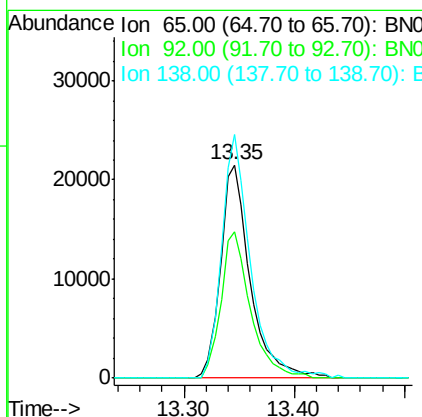
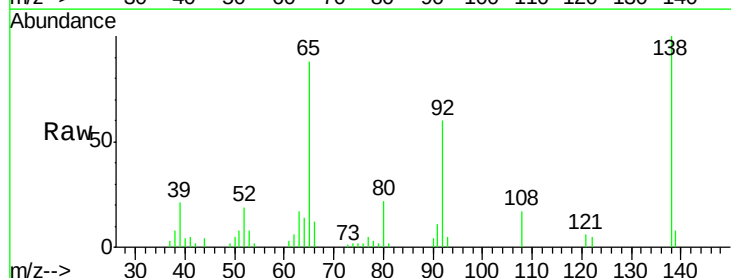
Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

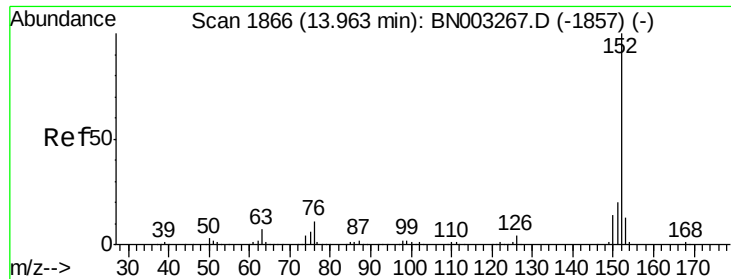
Tgt Ion: 162 Resp: 148278
Ion Ratio Lower Upper
162 100
127 38.4 29.8 44.6
164 32.7 26.3 39.5



#48
2-Nitroaniline
Concen: 7.142 ng
RT: 13.35 min Scan# 1761
Delta R.T. 0.01 min
Lab File: BN003283.D
Acq: 24 Oct 2018 22:03

Tgt Ion: 65 Resp: 40491
Ion Ratio Lower Upper
65 100
92 68.7 56.1 84.1
138 114.2 90.6 136.0





#49

Acenaphthylene

Concen: 8.351 ng

RT: 13.96 min Scan# 1866

Delta R.T. -0.00 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

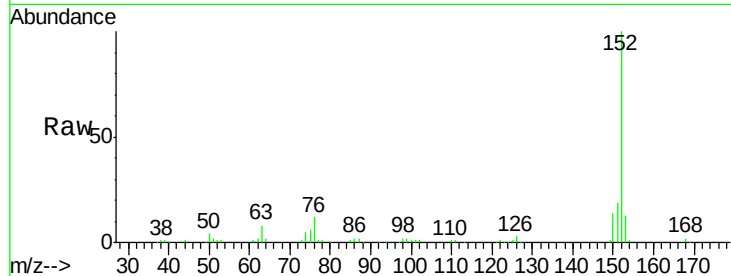
Tgt Ion:152 Resp: 246635

Ion Ratio Lower Upper

152 100

151 19.2 15.8 23.6

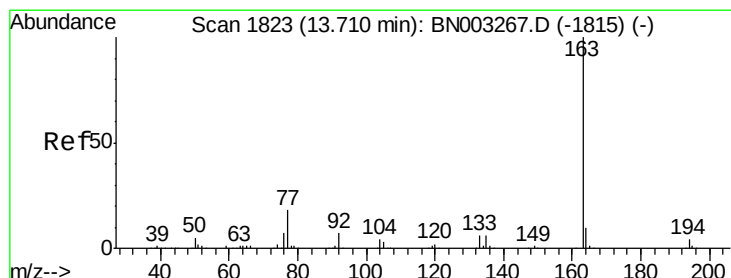
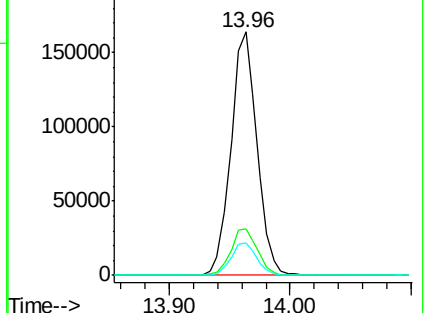
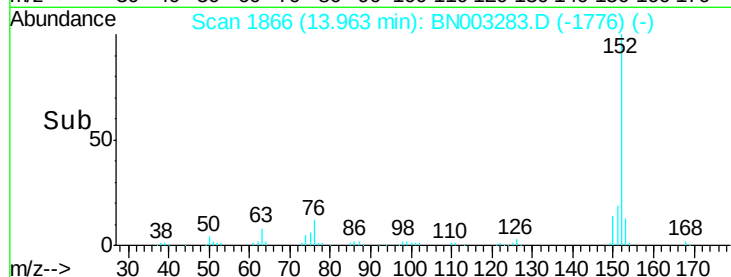
153 13.1 10.3 15.5



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: 8.157 ng

RT: 13.70 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

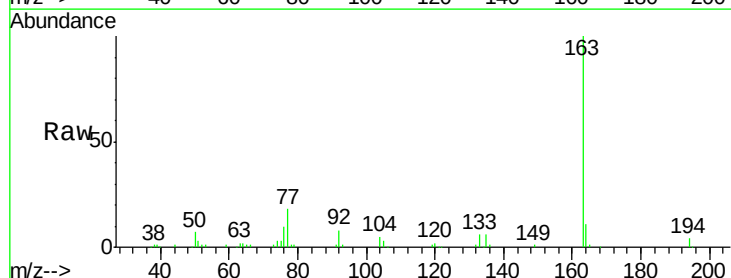
Tgt Ion:163 Resp: 196582

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.2

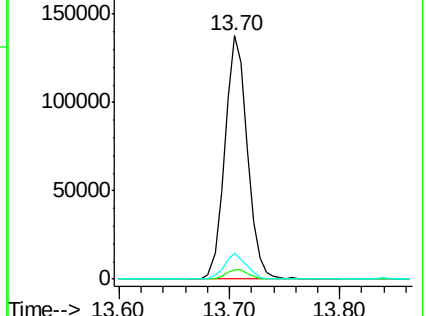
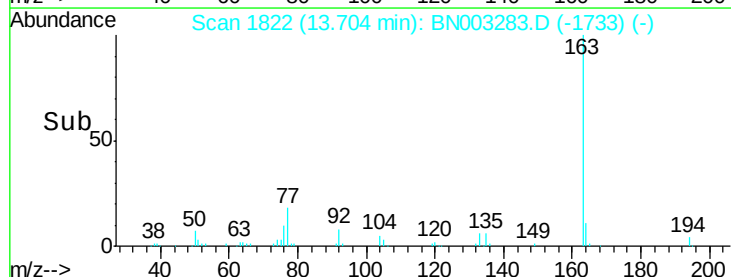
164 10.7 7.9 11.9

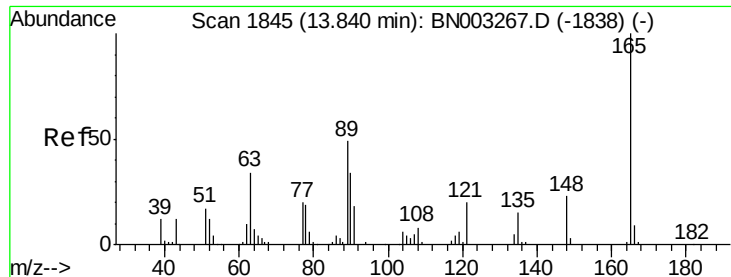


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 7.744 ng

RT: 13.84 min Scan# 1845

Delta R.T. -0.00 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

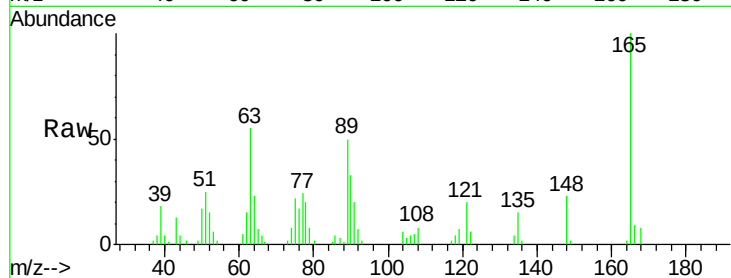
Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

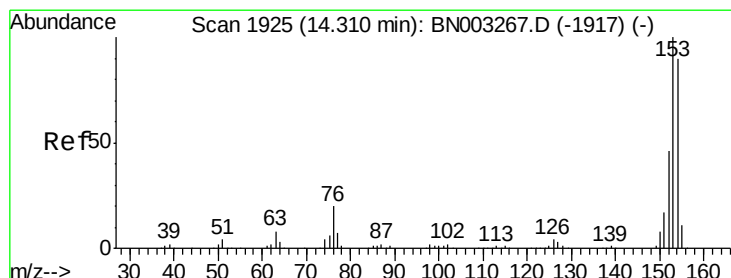
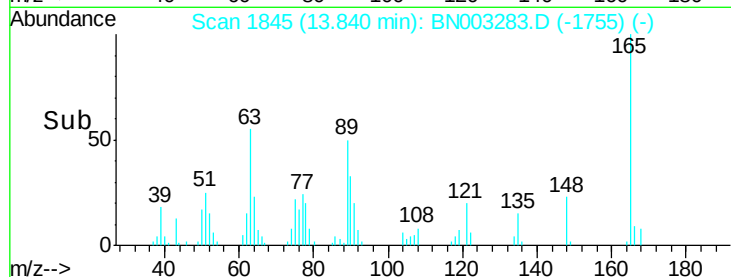
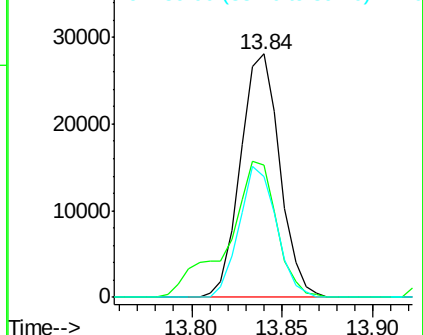
Tgt Ion:	165	Resp:	42355
Ion	Ratio	Lower	Upper
165	100		
63	54.6	39.2	58.8
89	49.6	38.9	58.3



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 89.00 (88.70 to 89.70): BNC



#52

Acenaphthene

Concen: 8.059 ng

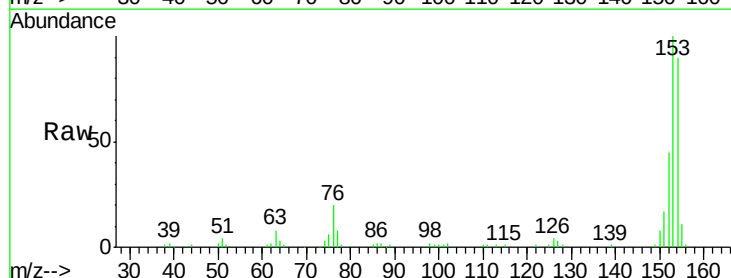
RT: 14.30 min Scan# 1924

Delta R.T. -0.01 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

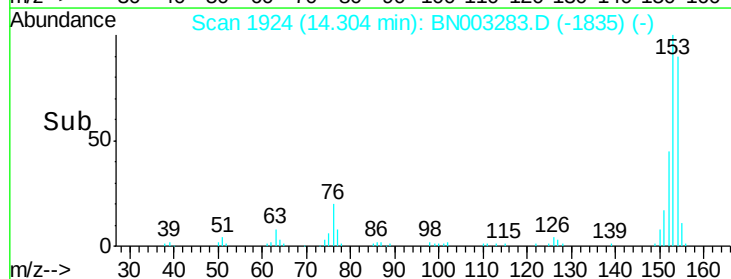
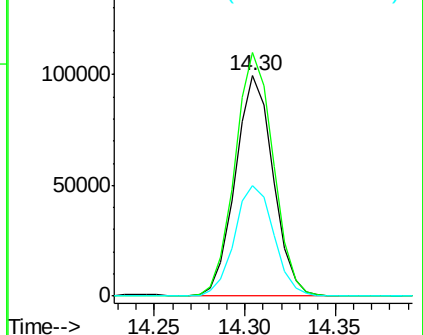
Tgt Ion:	154	Resp:	144205
Ion	Ratio	Lower	Upper
154	100		
153	110.7	89.3	133.9
152	50.2	41.2	61.8

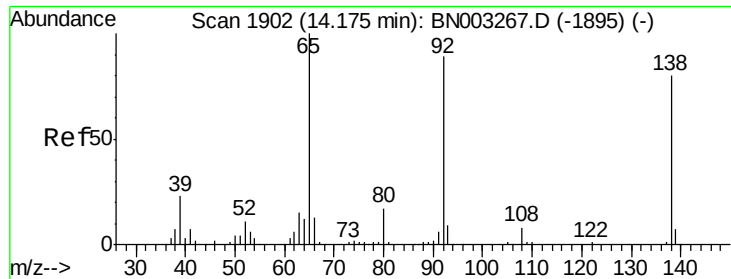


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 6.530 ng

RT: 14.18 min Scan# 1903

Delta R.T. 0.01 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

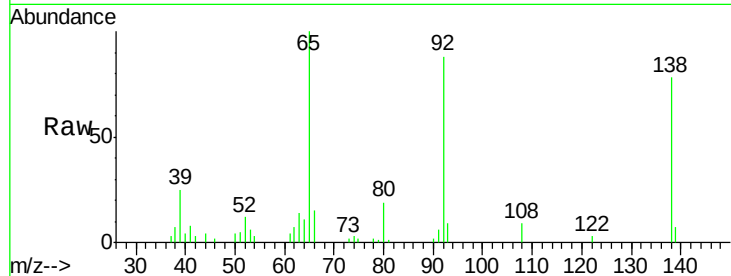
Tgt Ion:138 Resp: 38180

Ion Ratio Lower Upper

138 100

108 11.2 8.4 12.6

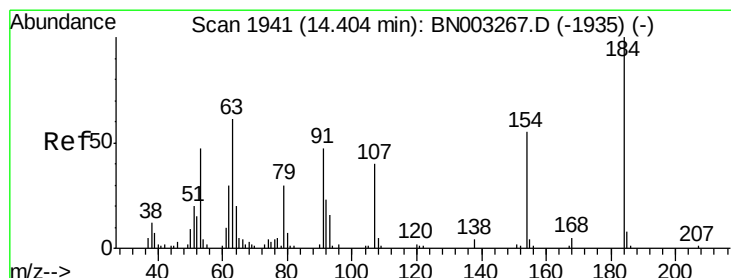
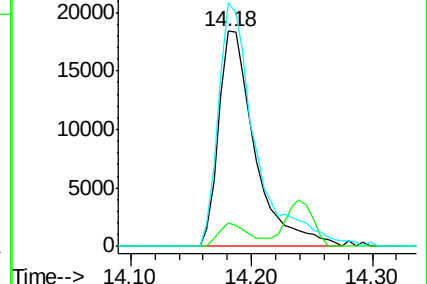
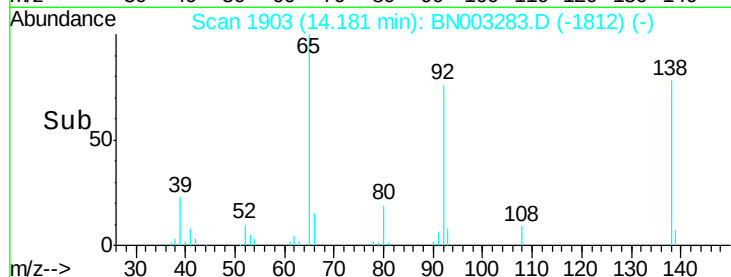
92 113.2 89.6 134.4



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BNC



#54

2,4-Dinitrophenol

Concen: 10.229 ng

RT: 14.43 min Scan# 1946

Delta R.T. 0.03 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

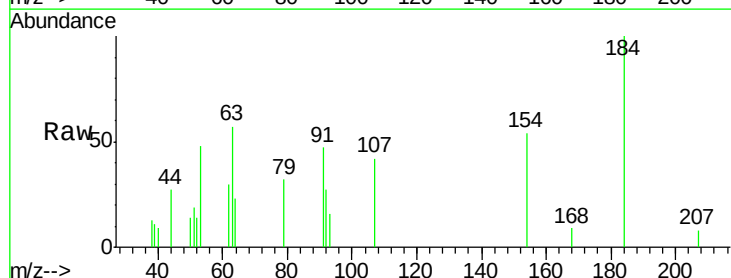
Tgt Ion:184 Resp: 12891

Ion Ratio Lower Upper

184 100

63 57.4 49.0 73.4

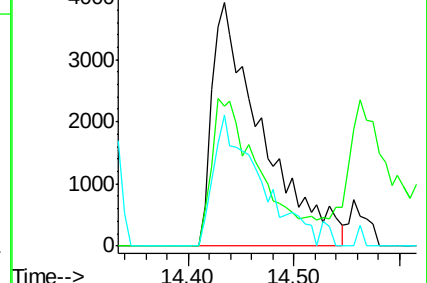
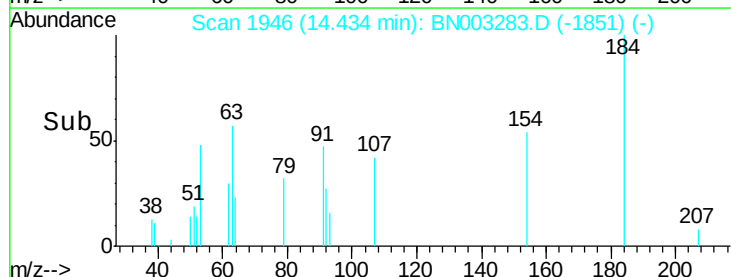
154 53.6 44.2 66.2

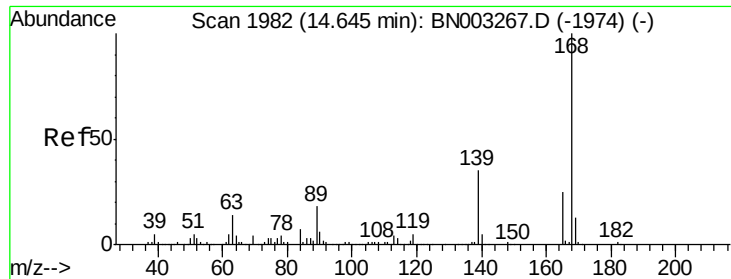


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 154.00 (153.70 to 154.70): E





#55

Dibenzenofuran

Concen: 7.974 ng

RT: 14.65 min Scan# 1982

Delta R.T. -0.00 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

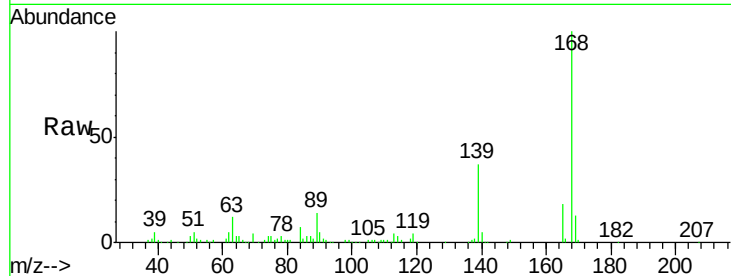
Tgt Ion:168 Resp: 232146

Ion Ratio Lower Upper

168 100

139 36.9 28.5 42.7

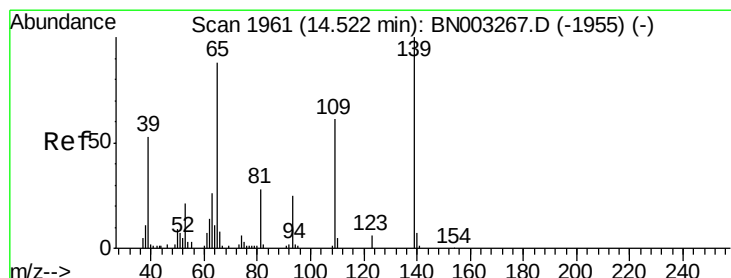
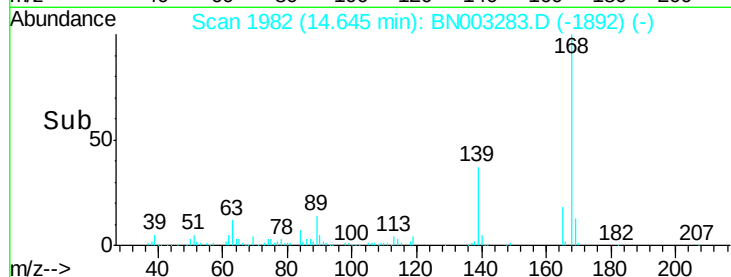
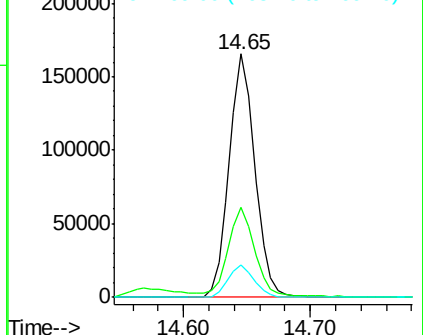
169 13.1 10.3 15.5



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: 9.080 ng

RT: 14.57 min Scan# 1969

Delta R.T. 0.05 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

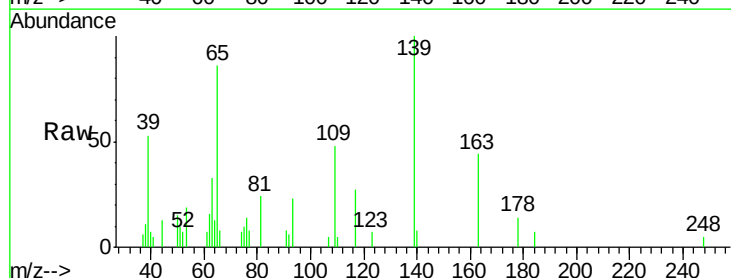
Tgt Ion:139 Resp: 16549

Ion Ratio Lower Upper

139 100

109 48.1 40.7 80.7

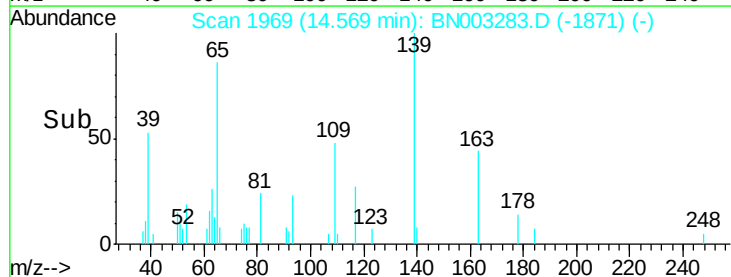
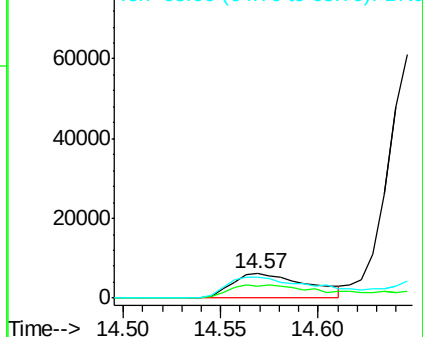
65 86.3 68.0 108.0

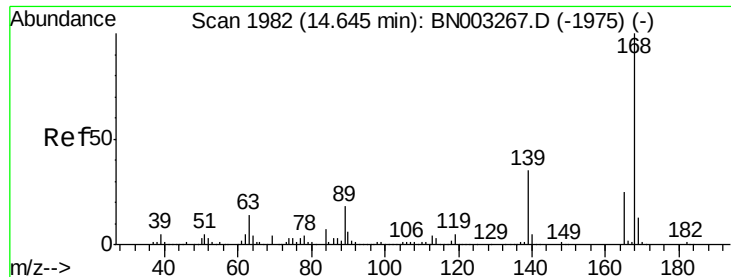


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BNC

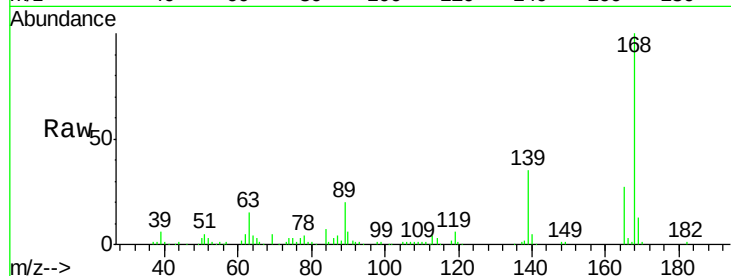




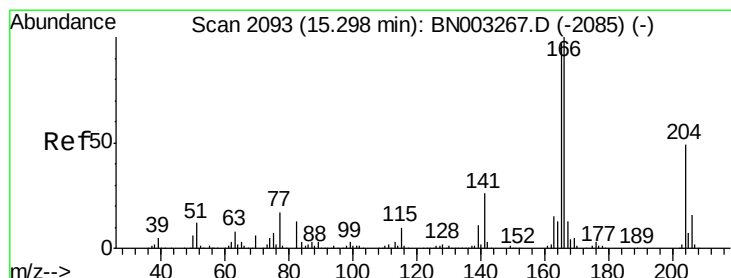
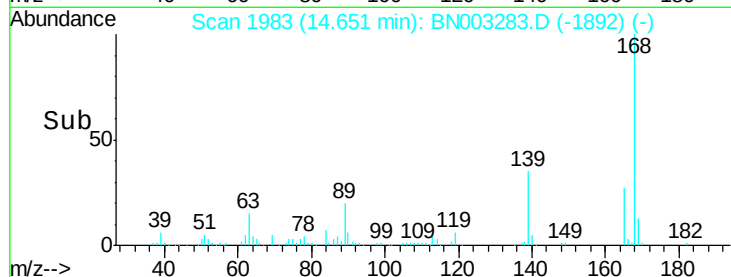
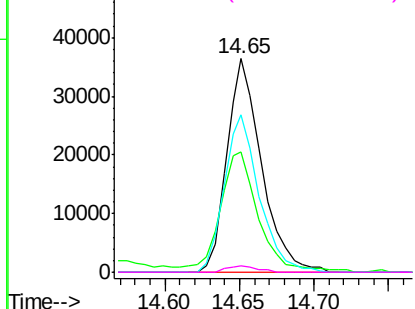
#57
2,4-Dinitrotoluene
Concen: 7.983 ng
RT: 14.65 min Scan# 1983
Delta R.T. 0.01 min
Lab File: BN003283.D
Acq: 24 Oct 2018 22:03

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:165 Resp: 59206
Ion Ratio Lower Upper
165 100
63 56.6 45.8 68.6
89 73.6 58.7 88.1
182 3.1 2.3 3.5

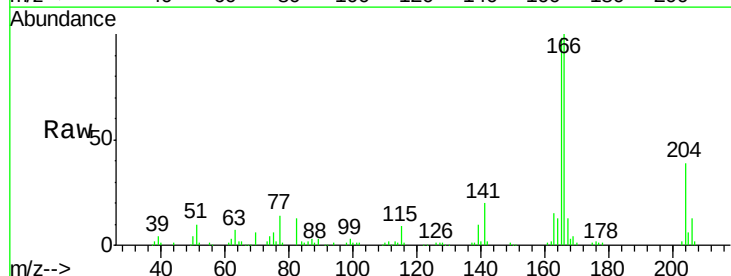


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BNC
Ion 89.00 (88.70 to 89.70): BNC
Ion 182.00 (181.70 to 182.70): E

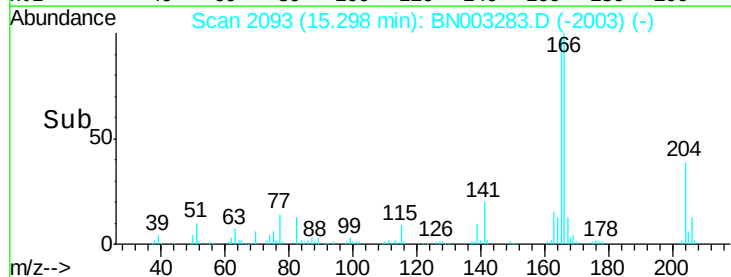
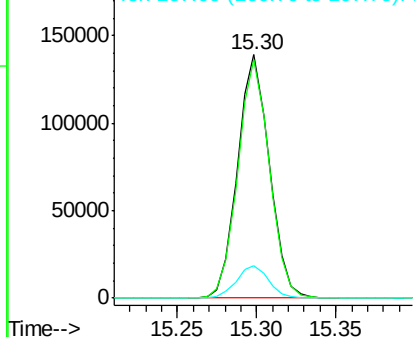


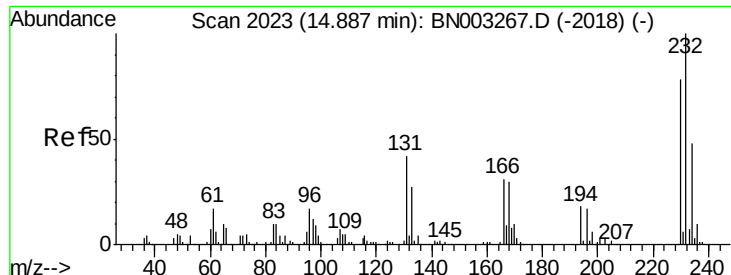
#58
Fluorene
Concen: 8.585 ng
RT: 15.30 min Scan# 2093
Delta R.T. -0.00 min
Lab File: BN003283.D
Acq: 24 Oct 2018 22:03

Tgt Ion:166 Resp: 192874
Ion Ratio Lower Upper
166 100
165 97.8 77.6 116.4
167 13.4 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

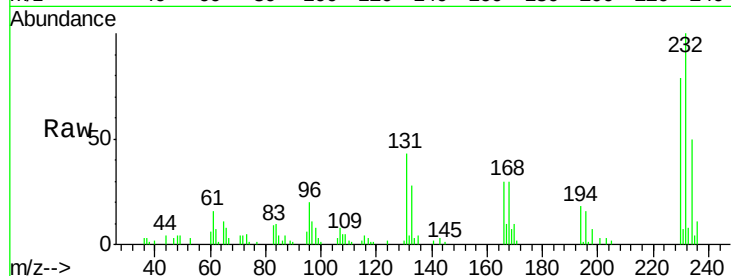




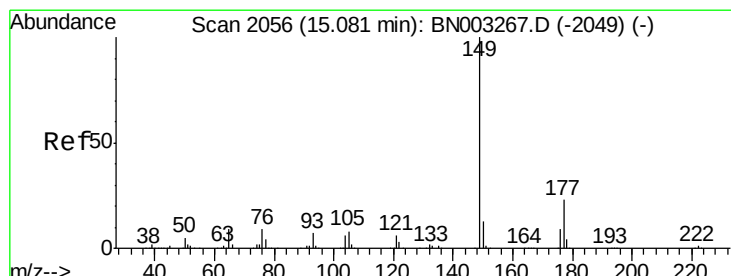
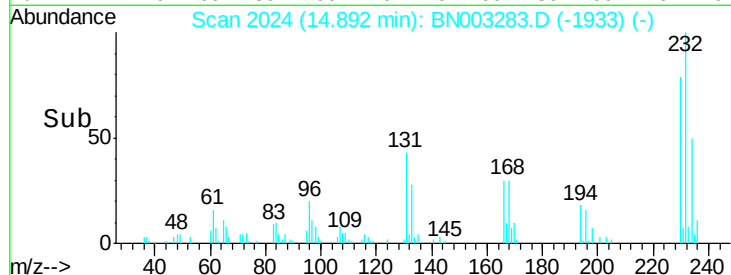
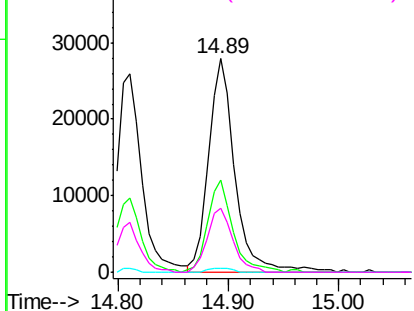
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 8.055 ng
 RT: 14.89 min Scan# 2024
 Delta R.T. 0.01 min
 Lab File: BN003283.D
 Acq: 24 Oct 2018 22:03

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion: 232 Resp: 45963
 Ion Ratio Lower Upper
 232 100
 131 40.9 33.7 50.5
 130 1.8 1.6 2.4
 166 28.5 24.3 36.5

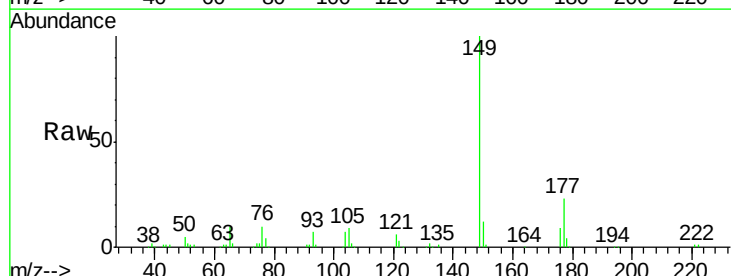


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

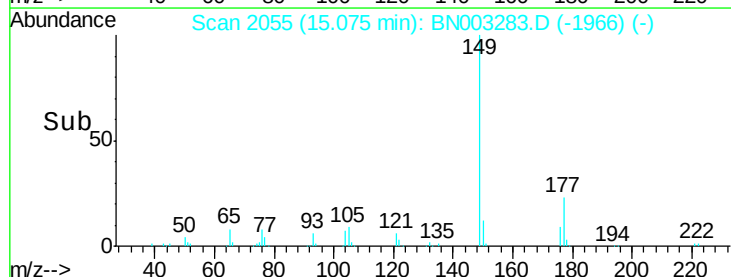
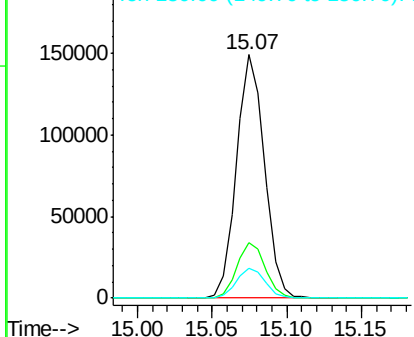


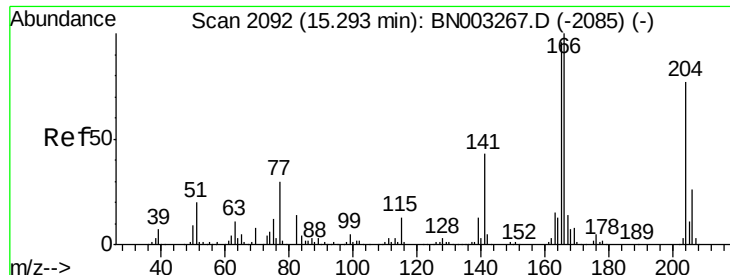
#60
 Diethylphthalate
 Concen: 7.948 ng
 RT: 15.07 min Scan# 2055
 Delta R.T. -0.01 min
 Lab File: BN003283.D
 Acq: 24 Oct 2018 22:03

Tgt Ion: 149 Resp: 194362
 Ion Ratio Lower Upper
 149 100
 177 22.9 18.6 28.0
 150 12.4 10.0 15.0



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E

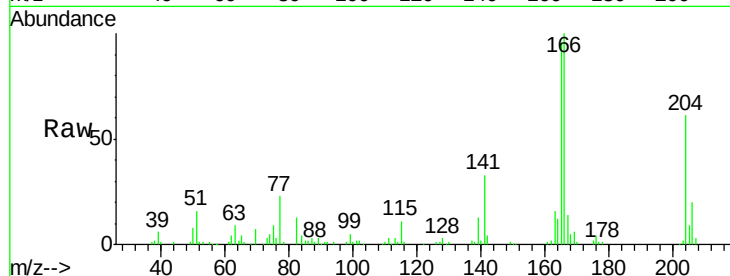




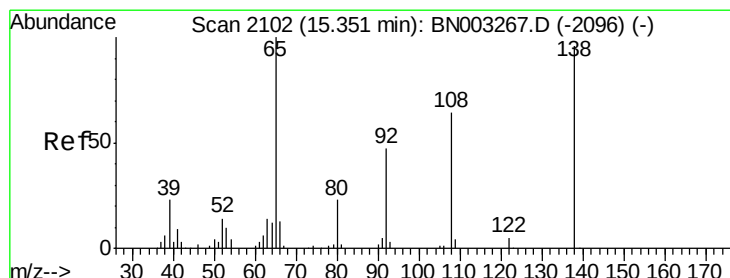
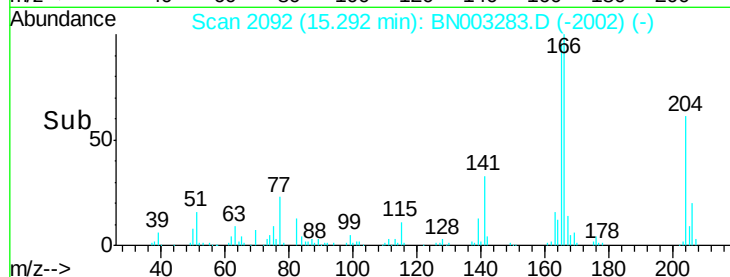
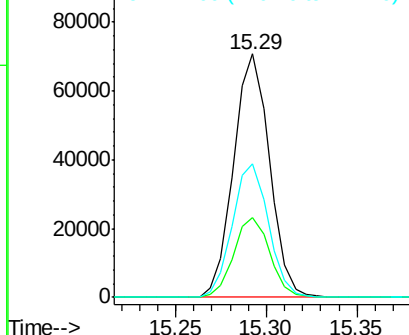
#61
 4-Chlorophenyl-phenylether
 Concen: 7.810 ng
 RT: 15.29 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: BN003283.D
 Acq: 24 Oct 2018 22:03

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:204 Resp: 97479
 Ion Ratio Lower Upper
 204 100
 206 32.5 26.6 39.8
 141 54.8 44.6 67.0

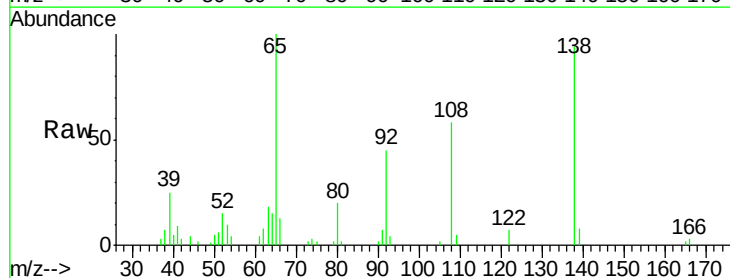


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

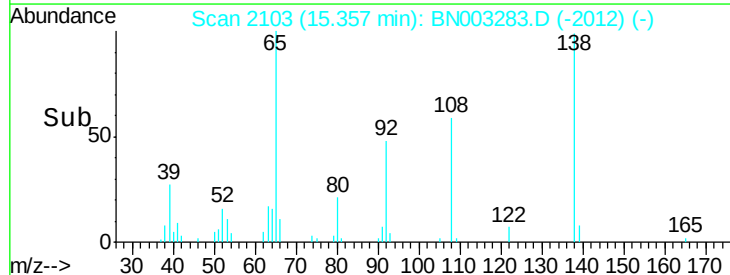
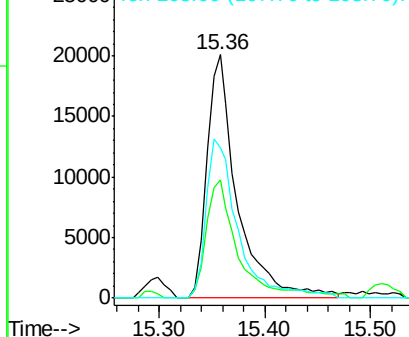


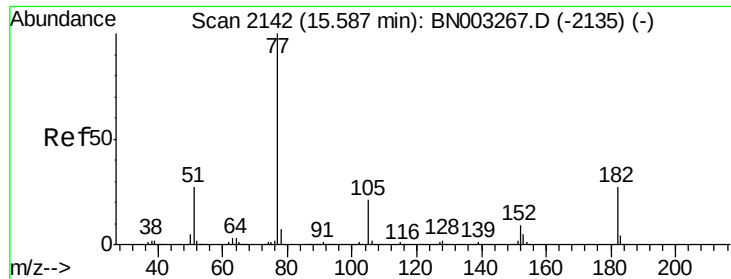
#62
 4-Nitroaniline
 Concen: 7.072 ng
 RT: 15.36 min Scan# 2103
 Delta R.T. 0.01 min
 Lab File: BN003283.D
 Acq: 24 Oct 2018 22:03

Tgt Ion:138 Resp: 40399
 Ion Ratio Lower Upper
 138 100
 92 48.5 27.9 67.9
 108 61.8 46.3 86.3



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: 8.116 ng

RT: 15.59 min Scan# 2142

Delta R.T. -0.00 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion: 77 Resp: 183436

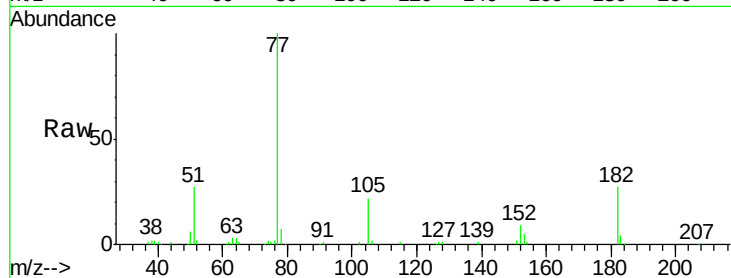
Ion Ratio Lower Upper

77 100

182 27.1 6.5 46.5

105 22.3 1.0 41.0

51 26.7 7.0 47.0

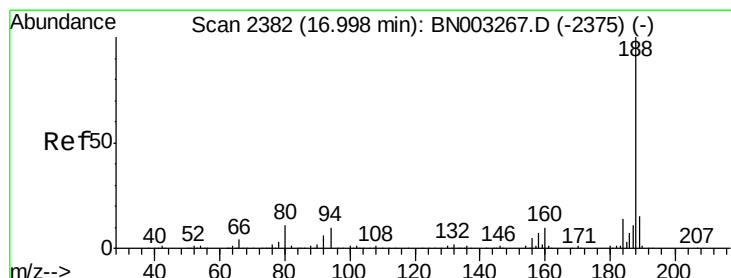
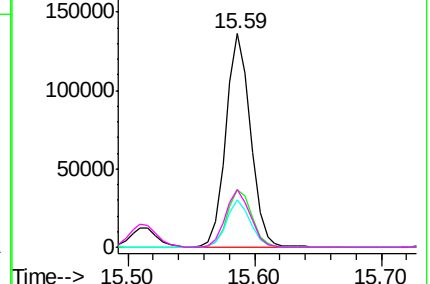
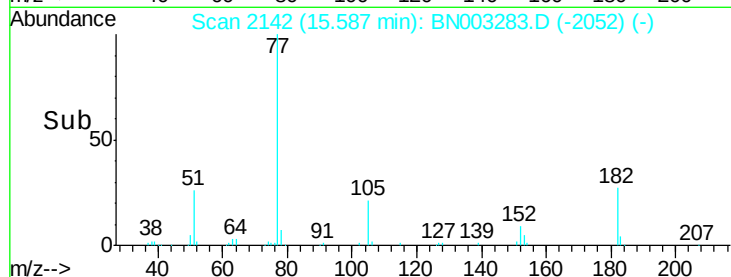


Abundance Ion 77.00 (76.70 to 77.70): BN003267.D (-2135) (-)

Ion 182.00 (181.70 to 182.70): BN003267.D (-2135) (-)

Ion 105.00 (104.70 to 105.70): BN003267.D (-2135) (-)

Ion 51.00 (50.70 to 51.70): BN003267.D (-2135) (-)



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.00 min Scan# 2382

Delta R.T. -0.00 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

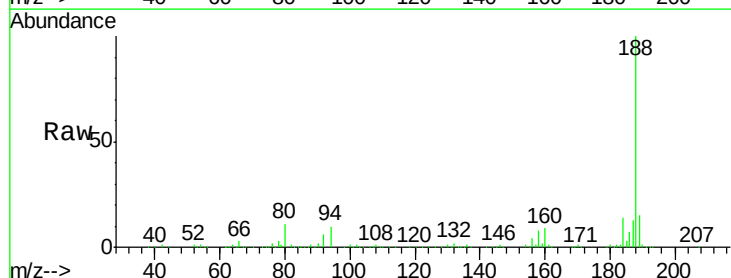
Tgt Ion: 188 Resp: 704255

Ion Ratio Lower Upper

188 100

94 9.7 8.1 12.1

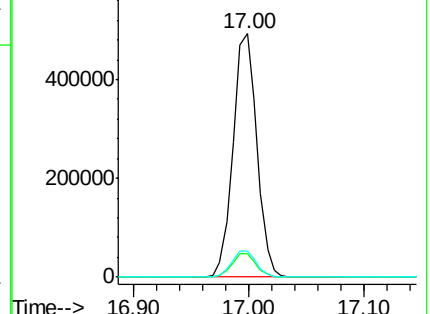
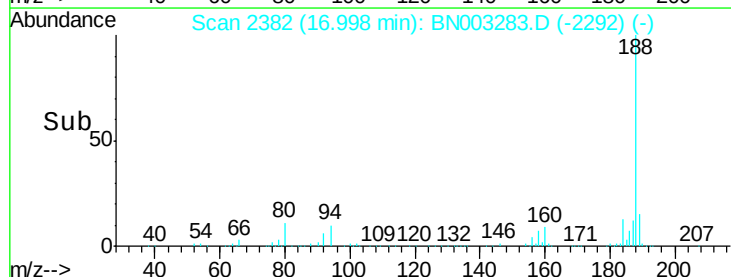
80 10.8 8.6 13.0

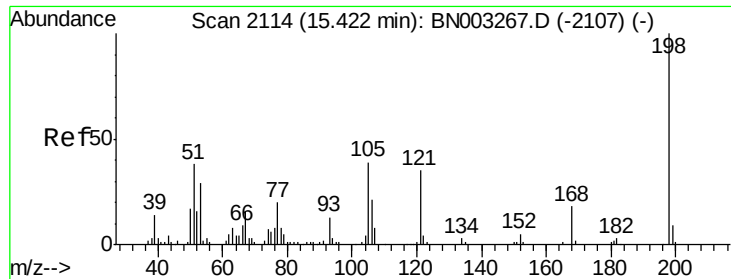


Abundance Ion 188.00 (187.70 to 188.70): BN003267.D (-2375) (-)

Ion 94.00 (93.70 to 94.70): BN003267.D (-2375) (-)

Ion 80.00 (79.70 to 80.70): BN003267.D (-2375) (-)

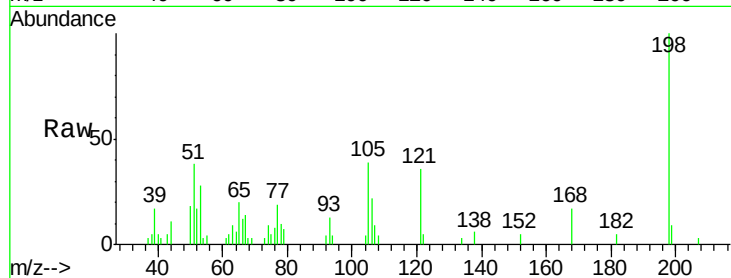




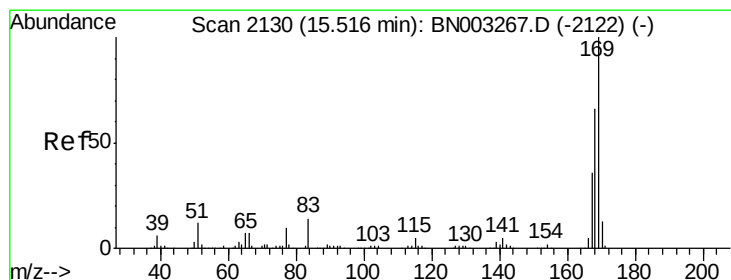
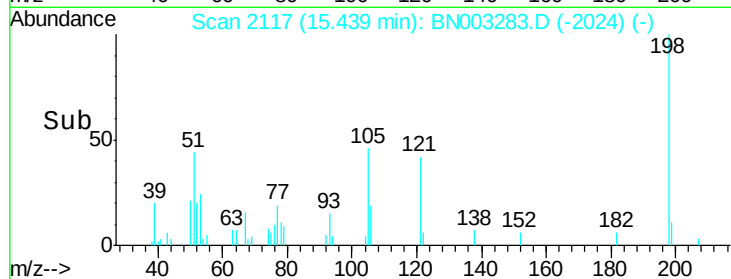
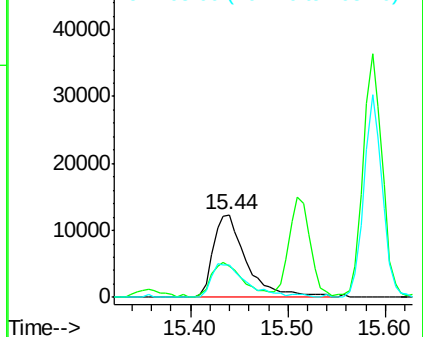
#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.958 ng
 RT: 15.44 min Scan# 2117
 Delta R.T. 0.02 min
 Lab File: BN003283.D
 Acq: 24 Oct 2018 22:03

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:198 Resp: 29277
 Ion Ratio Lower Upper
 198 100
 51 37.8 19.2 59.2
 105 39.5 18.9 58.9

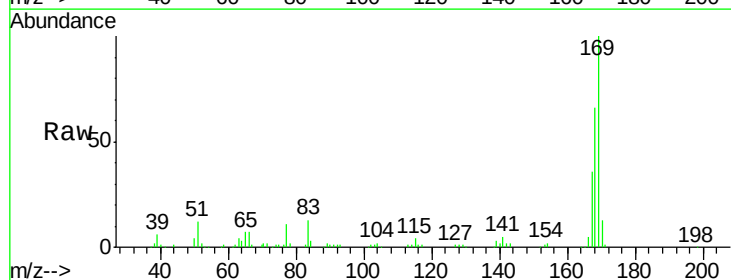


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BNO
 Ion 105.00 (104.70 to 105.70): E

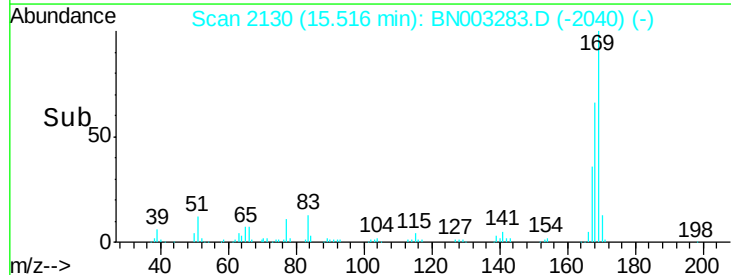
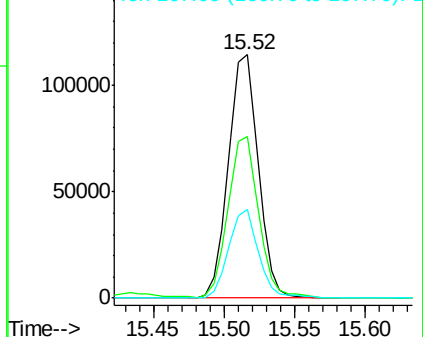


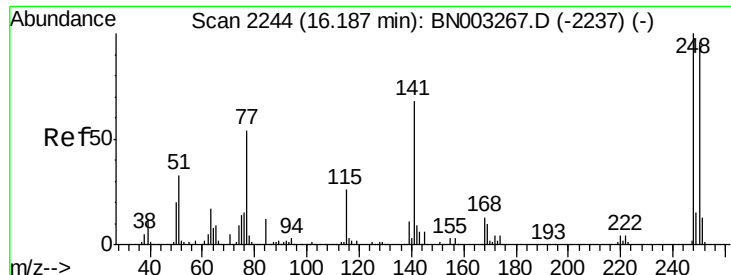
#66
 n-Nitrosodiphenylamine
 Concen: 7.676 ng
 RT: 15.52 min Scan# 2130
 Delta R.T. -0.00 min
 Lab File: BN003283.D
 Acq: 24 Oct 2018 22:03

Tgt Ion:169 Resp: 169235
 Ion Ratio Lower Upper
 169 100
 168 66.4 53.3 79.9
 167 36.4 28.6 43.0



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

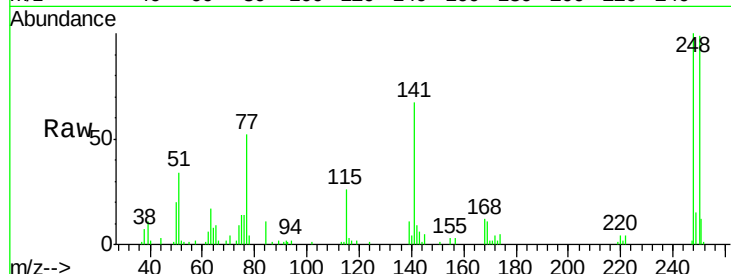




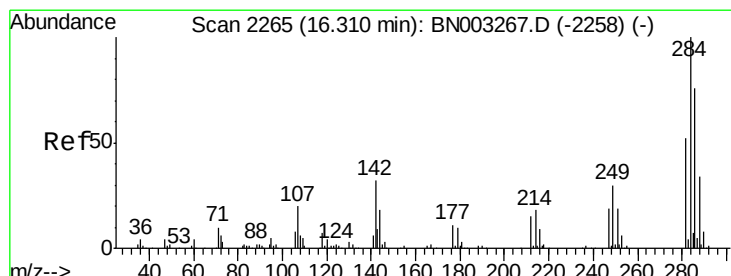
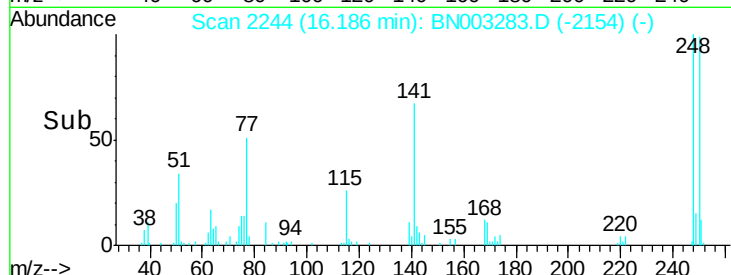
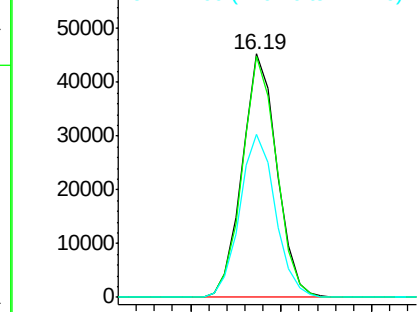
#67
4-Bromophenyl-phenylether
Concen: 7.594 ng
RT: 16.19 min Scan# 2244
Delta R.T. -0.00 min
Lab File: BN003283.D
Acq: 24 Oct 2018 22:03

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:248 Resp: 60235
Ion Ratio Lower Upper
248 100
250 99.0 76.4 114.6
141 67.1 54.2 81.4

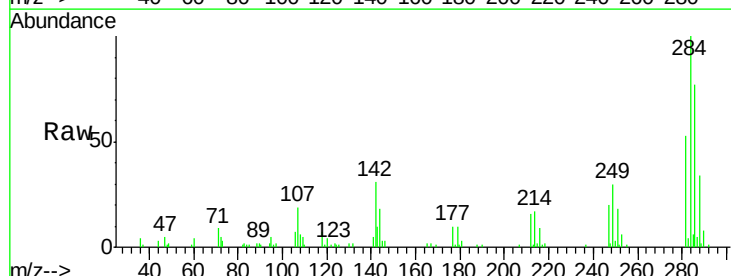


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

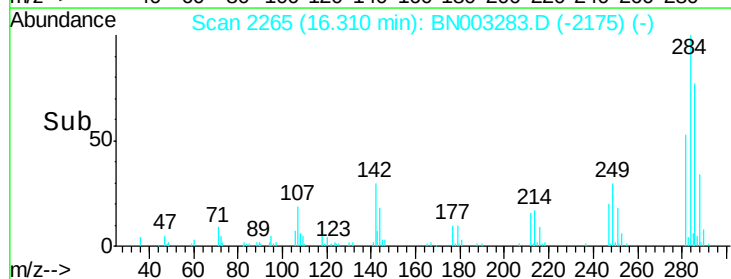
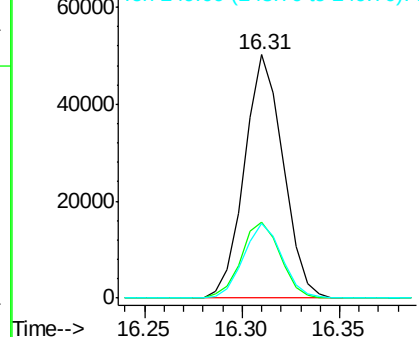


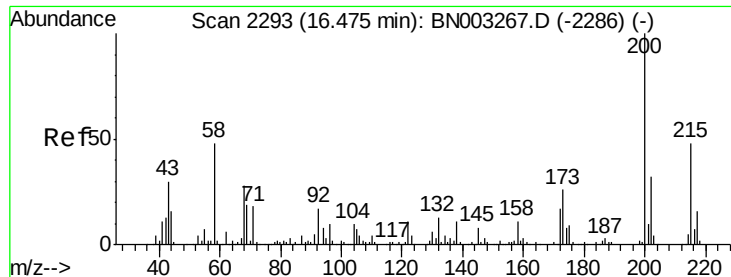
#68
Hexachlorobenzene
Concen: 7.634 ng
RT: 16.31 min Scan# 2265
Delta R.T. -0.00 min
Lab File: BN003283.D
Acq: 24 Oct 2018 22:03

Tgt Ion:284 Resp: 68984
Ion Ratio Lower Upper
284 100
142 31.0 25.6 38.4
249 30.4 23.6 35.4



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: 7.787 ng

RT: 16.47 min Scan# 2292

Delta R.T. -0.01 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

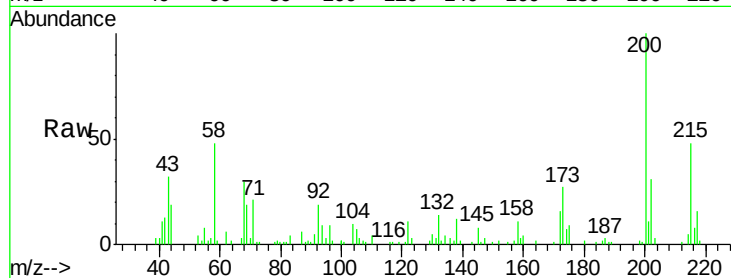
Tgt Ion:200 Resp: 60842

Ion Ratio Lower Upper

200 100

173 27.4 6.3 46.3

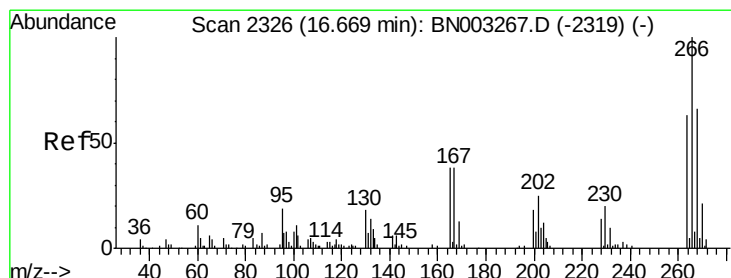
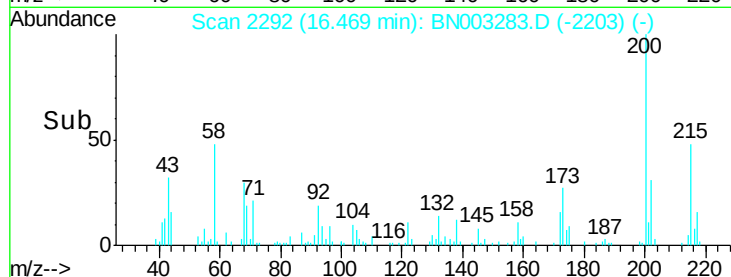
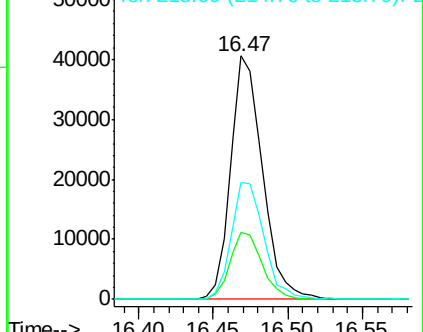
215 48.0 27.6 67.6



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: 9.890 ng

RT: 16.68 min Scan# 2328

Delta R.T. 0.01 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

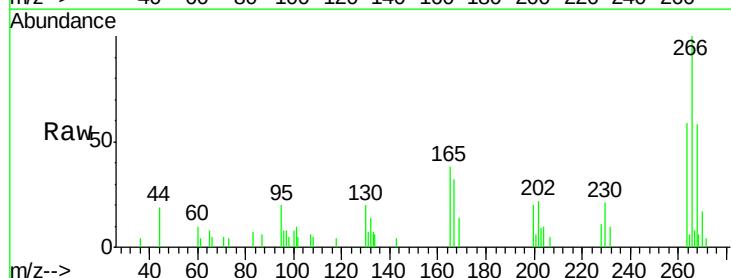
Tgt Ion:266 Resp: 16689

Ion Ratio Lower Upper

266 100

268 63.8 52.5 78.7

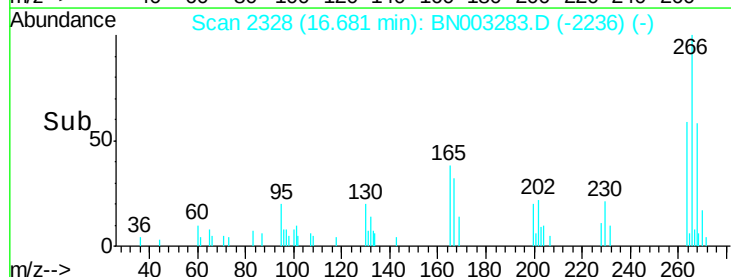
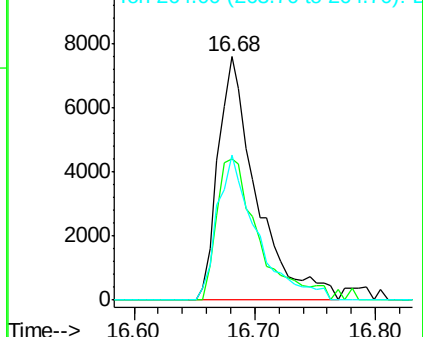
264 59.4 50.3 75.5

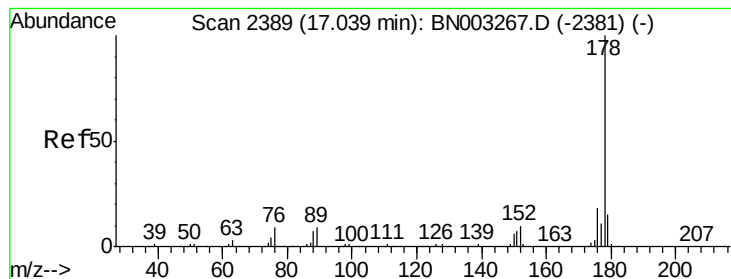


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 8.427 ng

RT: 17.04 min Scan# 2389

Delta R.T. -0.00 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

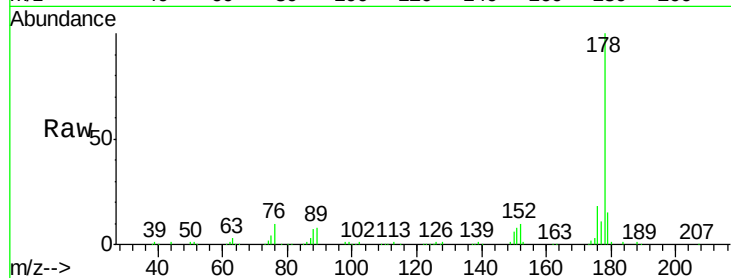
Tgt Ion:178 Resp: 312004

Ion Ratio Lower Upper

178 100

176 18.1 14.4 21.6

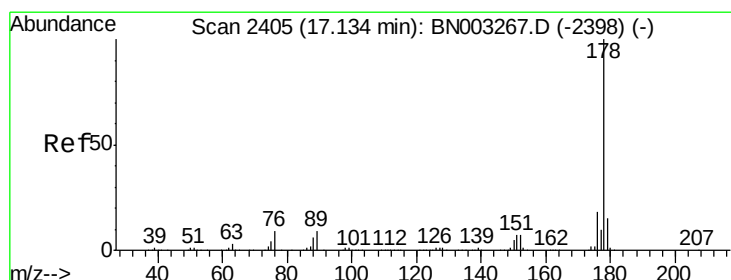
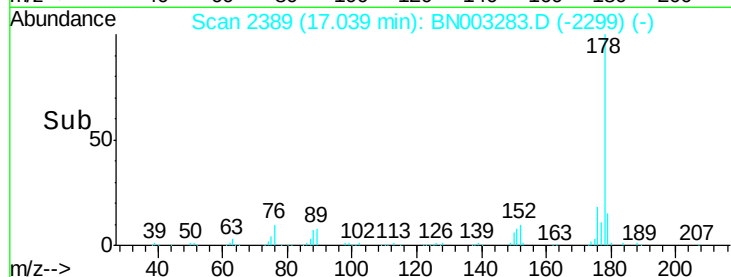
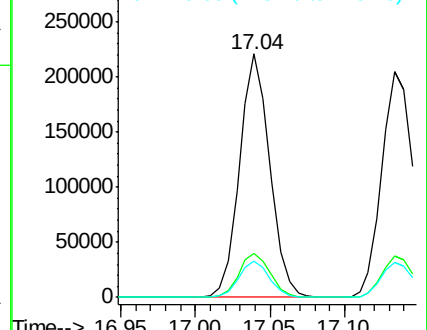
179 14.7 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 8.536 ng

RT: 17.13 min Scan# 2405

Delta R.T. -0.00 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

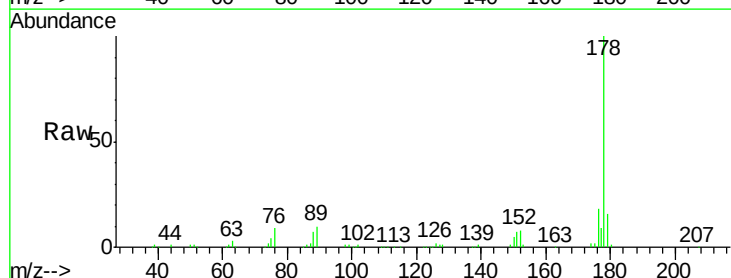
Tgt Ion:178 Resp: 315350

Ion Ratio Lower Upper

178 100

176 18.2 14.3 21.5

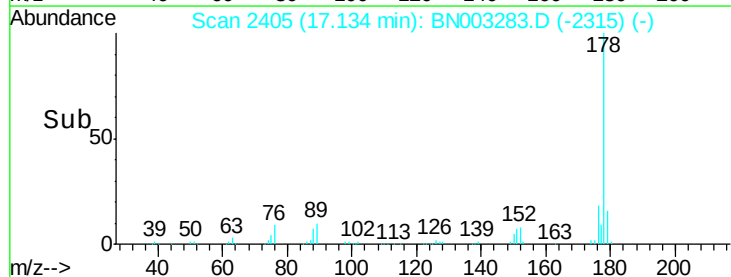
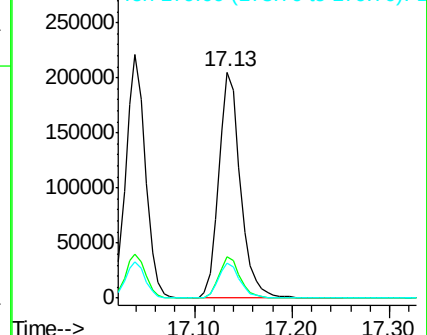
179 15.5 12.1 18.1

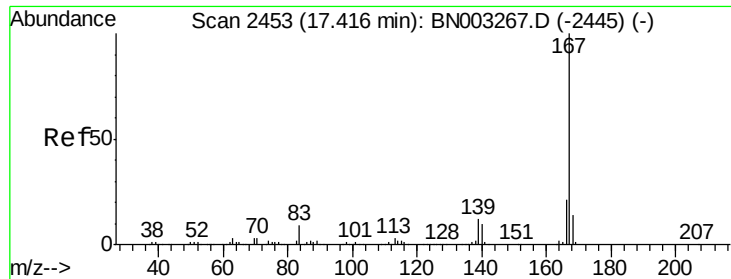


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

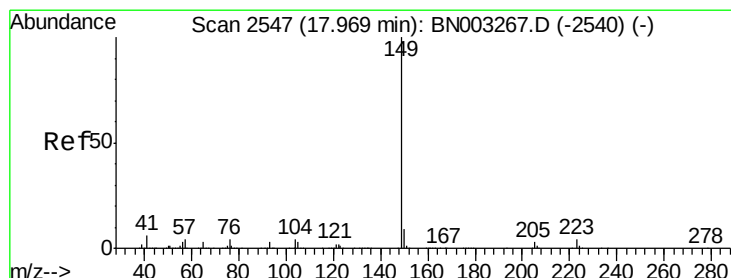
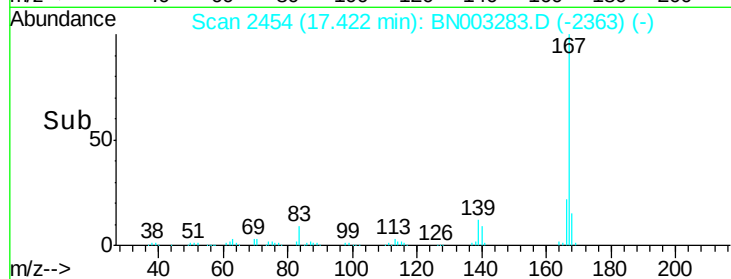
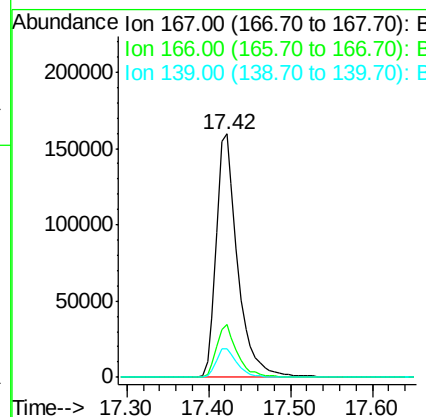
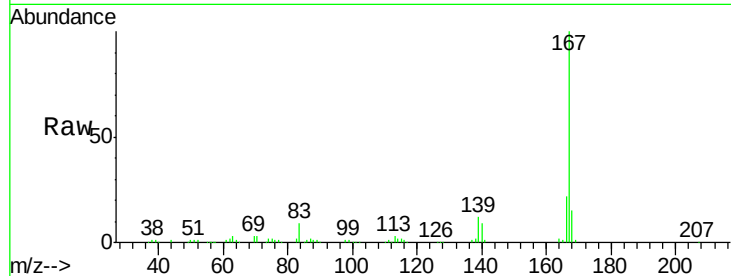




#73
 Carbazole
 Concen: 7.590 ng
 RT: 17.42 min Scan# 2454
 Delta R.T. 0.01 min
 Lab File: BN003283.D
 Acq: 24 Oct 2018 22:03

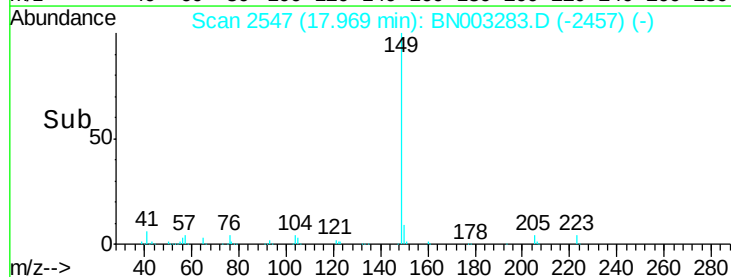
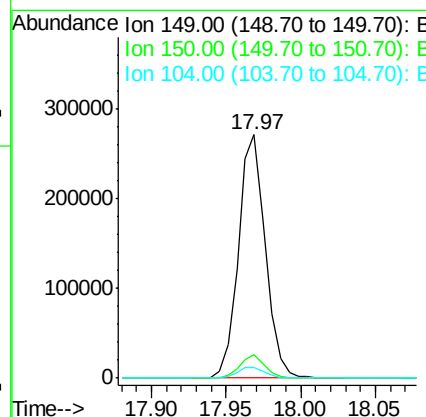
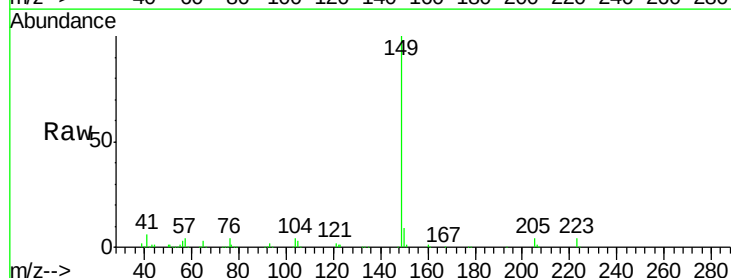
Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

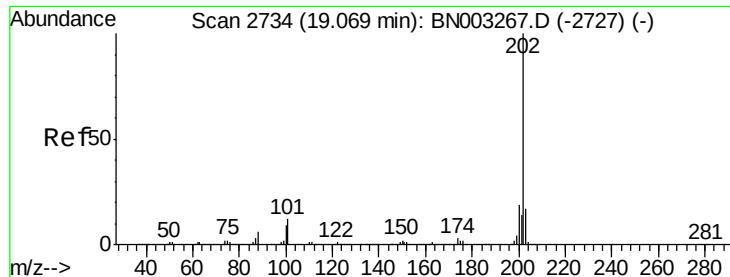
Tgt Ion:167 Resp: 290410
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.0 25.6
 139 11.8 9.9 14.9



#74
 Di-n-butylphthalate
 Concen: 7.638 ng
 RT: 17.97 min Scan# 2547
 Delta R.T. -0.00 min
 Lab File: BN003283.D
 Acq: 24 Oct 2018 22:03

Tgt Ion:149 Resp: 340904
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.2 10.8
 104 4.4 3.6 5.4





#75

Fluoranthene

Concen: 8.520 ng

RT: 19.07 min Scan# 2734

Delta R.T. -0.00 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

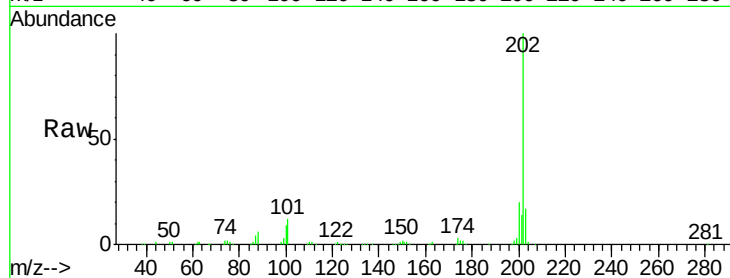
Tgt Ion:202 Resp: 371619

Ion Ratio Lower Upper

202 100

101 12.5 0.0 32.3

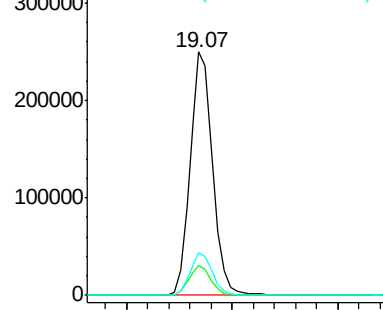
203 17.4 0.0 37.4



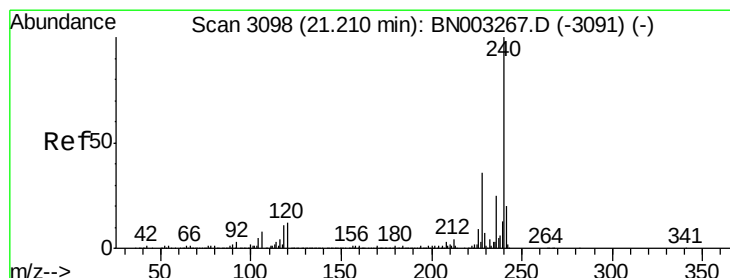
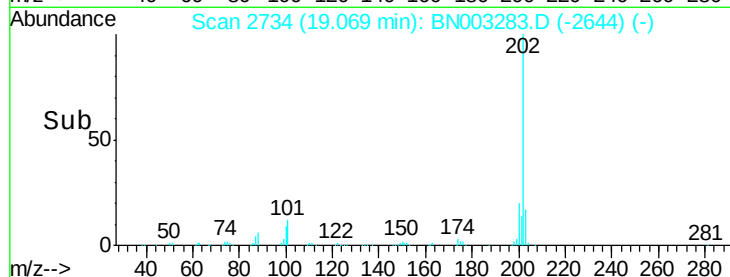
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.20 min Scan# 3097

Delta R.T. -0.01 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

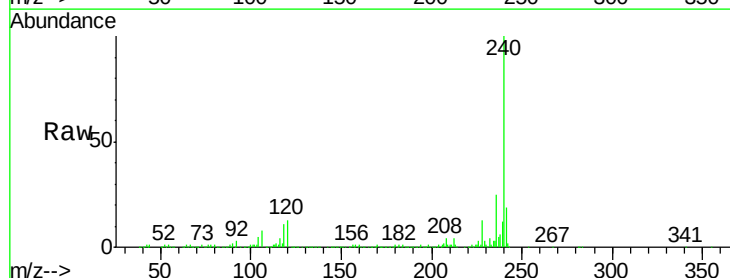
Tgt Ion:240 Resp: 791738

Ion Ratio Lower Upper

240 100

120 12.7 9.4 14.0

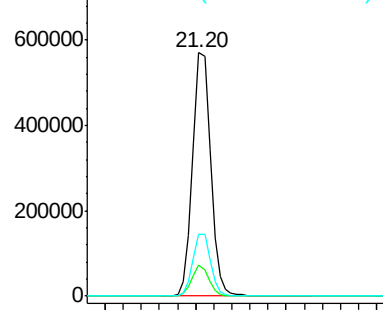
236 25.4 20.3 30.5



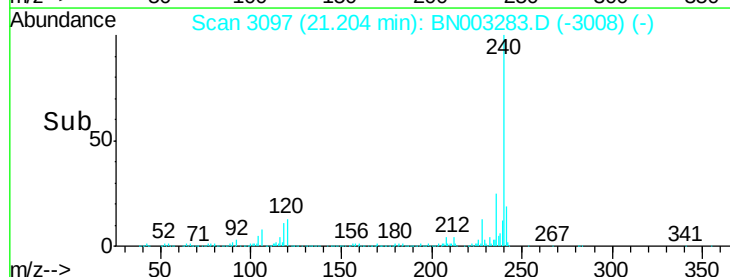
Abundance Ion 240.00 (239.70 to 240.70): E

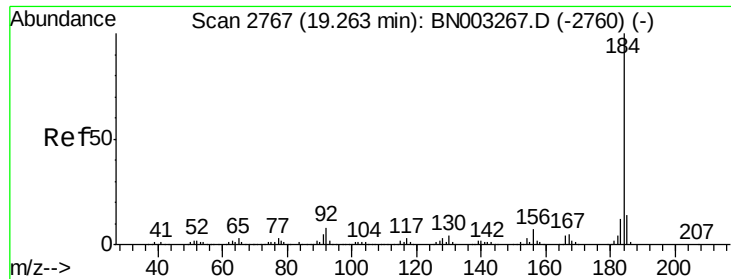
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#77

Benzidine

Concen: 4.482 ng

RT: 19.26 min Scan# 2767

Delta R.T. -0.00 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

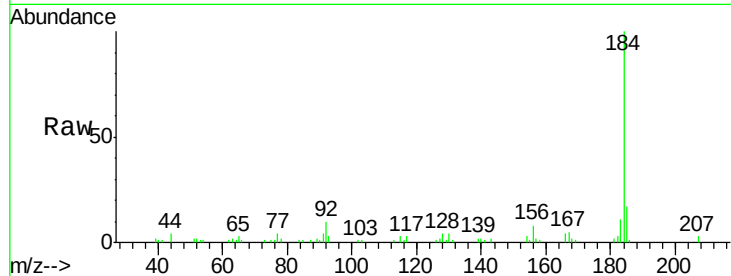
Tgt Ion:184 Resp: 103889

Ion Ratio Lower Upper

184 100

185 16.6 11.5 17.3

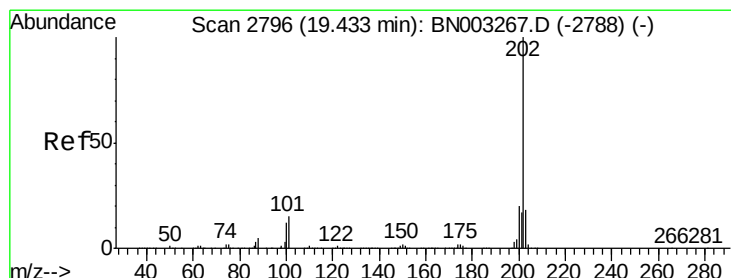
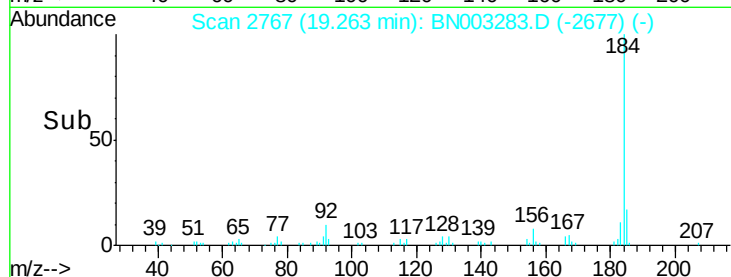
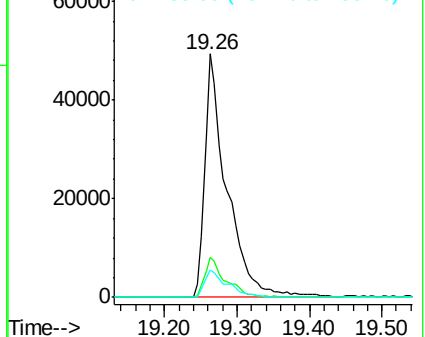
183 11.3 9.4 14.0



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: 8.069 ng

RT: 19.44 min Scan# 2797

Delta R.T. 0.01 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

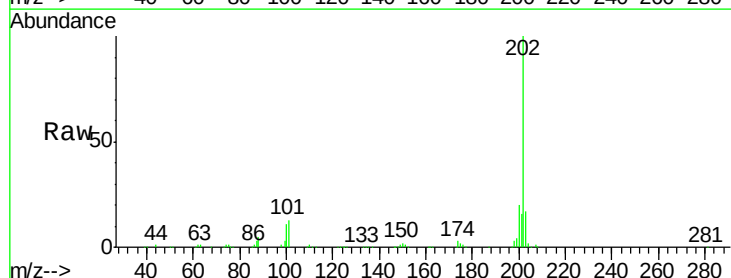
Tgt Ion:202 Resp: 375468

Ion Ratio Lower Upper

202 100

200 19.5 16.2 24.4

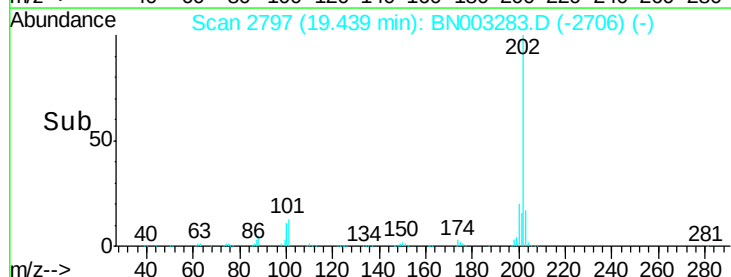
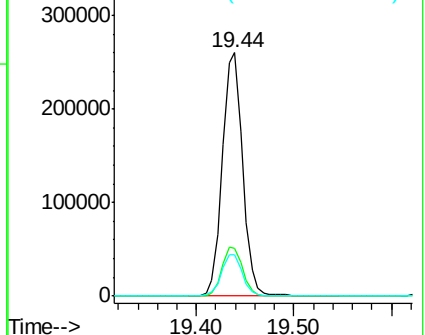
203 16.9 14.3 21.5

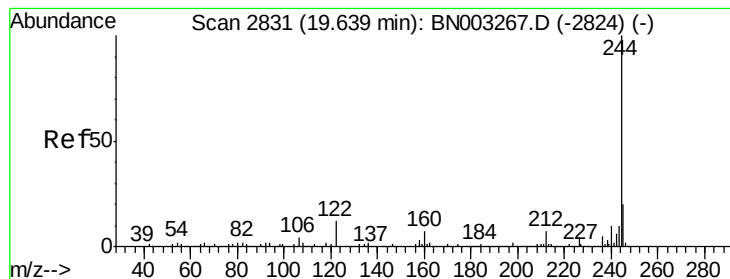


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 77.712 ng

RT: 19.64 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

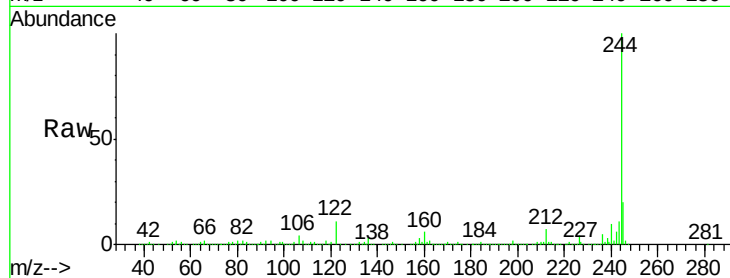
Tgt Ion:244 Resp: 2877054

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

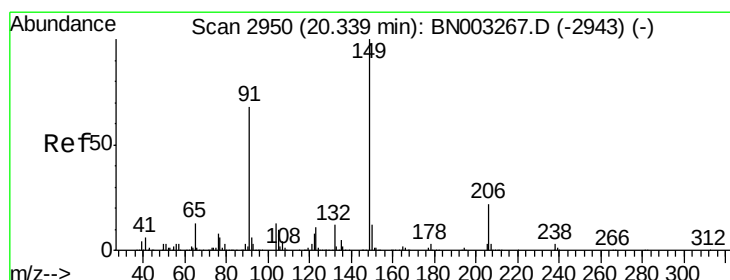
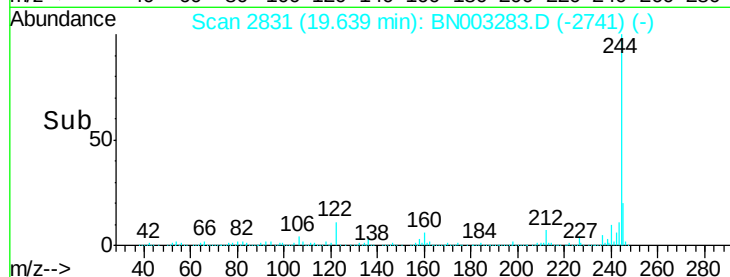
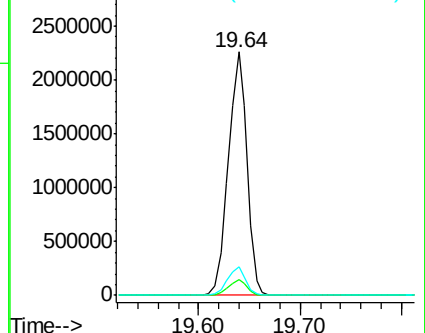
122 11.5 9.4 14.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 7.432 ng

RT: 20.34 min Scan# 2950

Delta R.T. -0.00 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

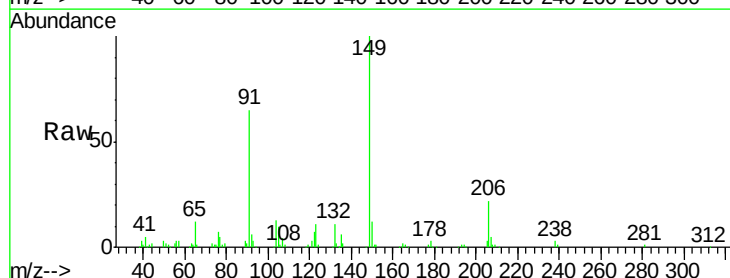
Tgt Ion:149 Resp: 160588

Ion Ratio Lower Upper

149 100

91 64.5 54.6 81.8

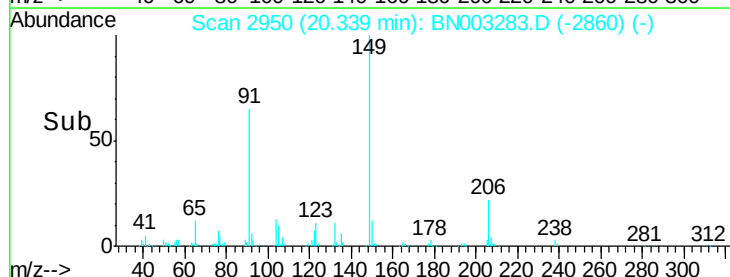
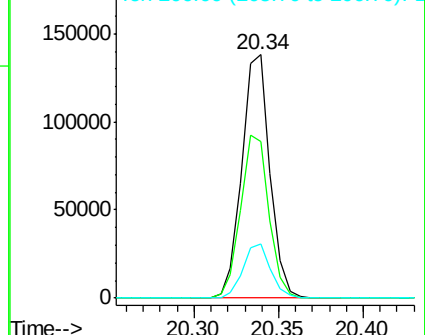
206 22.3 17.8 26.6

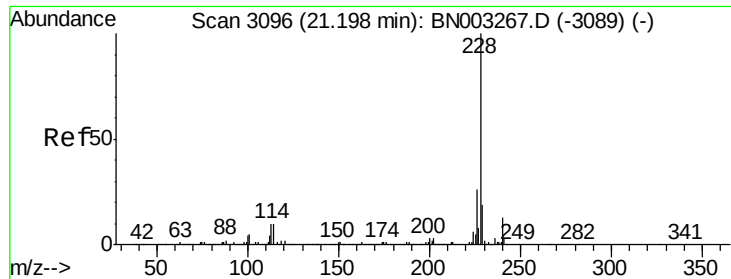


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BNC

Ion 206.00 (205.70 to 206.70): E

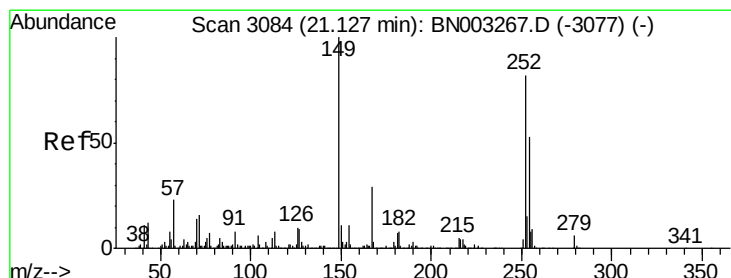
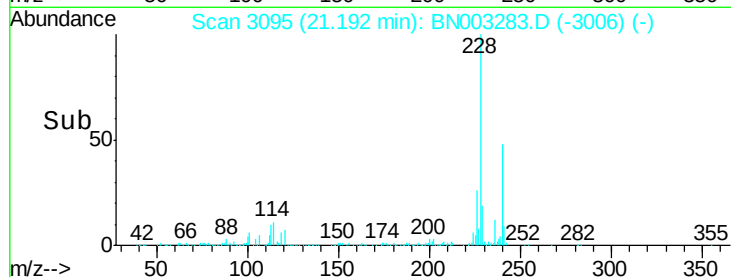
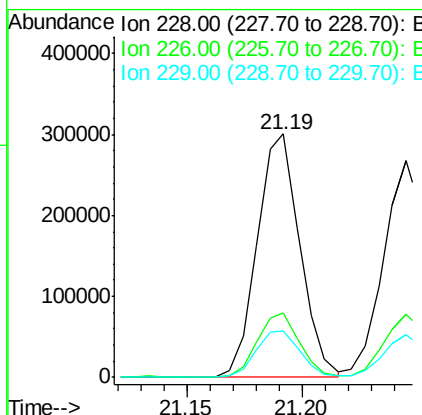
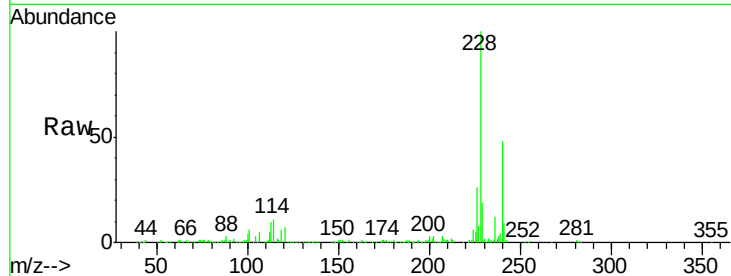




#81
Benzo(a)anthracene
Concen: 8.372 ng
RT: 21.19 min Scan# 3095
Delta R.T. -0.01 min
Lab File: BN003283.D
Acq: 24 Oct 2018 22:03

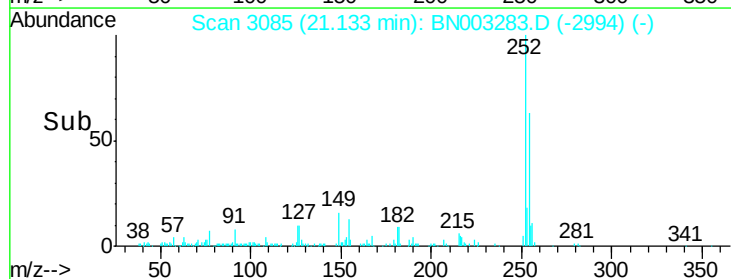
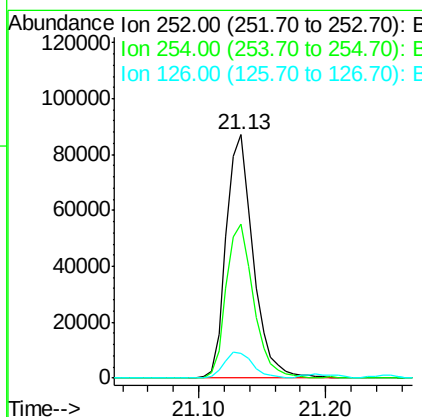
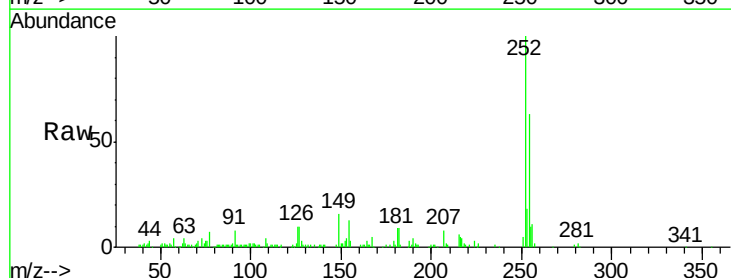
Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

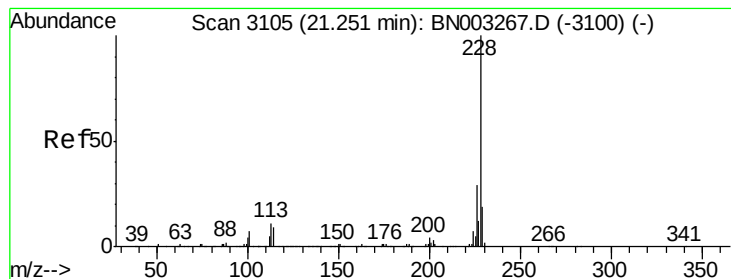
Tgt Ion: 228 Resp: 386032
Ion Ratio Lower Upper
228 100
226 26.2 20.8 31.2
229 19.2 15.3 22.9



#82
3,3'-Dichlorobenzidine
Concen: 6.725 ng
RT: 21.13 min Scan# 3085
Delta R.T. 0.01 min
Lab File: BN003283.D
Acq: 24 Oct 2018 22:03

Tgt Ion: 252 Resp: 128313
Ion Ratio Lower Upper
252 100
254 63.3 51.1 76.7
126 10.0 9.3 13.9





#83

Chrysene

Concen: 8.384 ng

RT: 21.25 min Scan# 3104

Delta R.T. -0.01 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

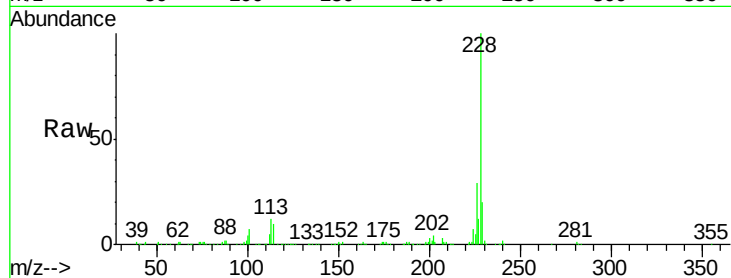
Tgt Ion:228 Resp: 371599

Ion Ratio Lower Upper

228 100

226 28.9 23.3 34.9

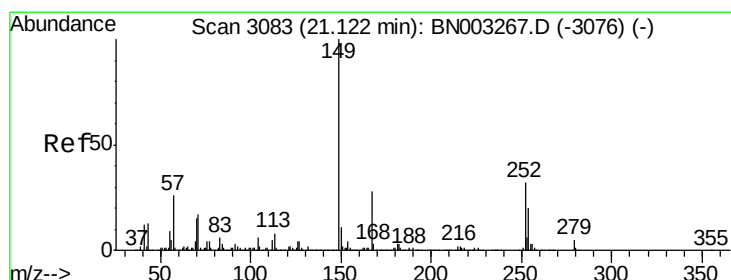
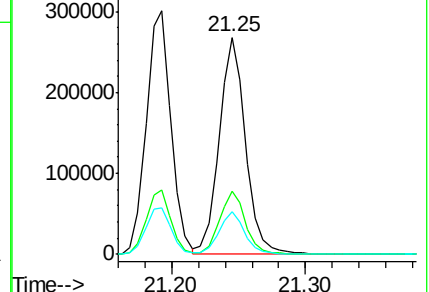
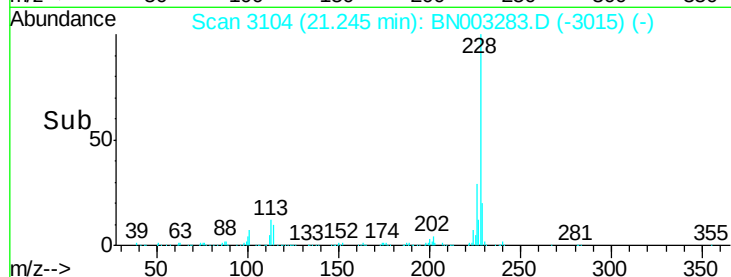
229 19.6 15.3 22.9



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.559 ng

RT: 21.12 min Scan# 3082

Delta R.T. -0.01 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

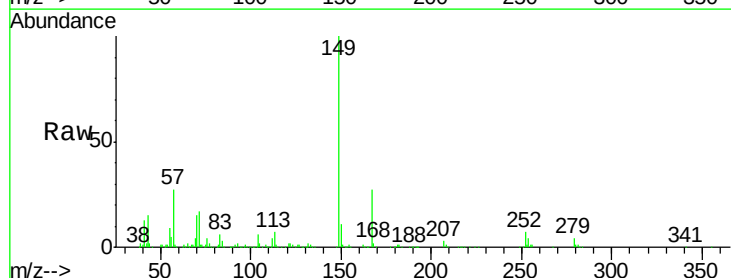
Tgt Ion:149 Resp: 242200

Ion Ratio Lower Upper

149 100

167 27.4 22.6 33.8

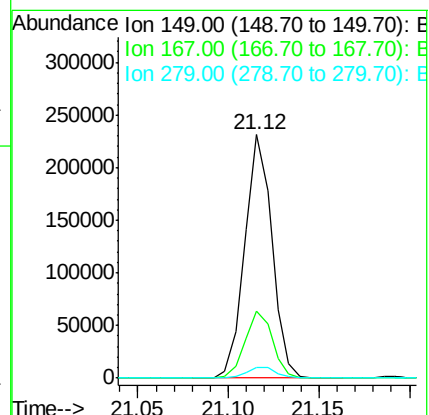
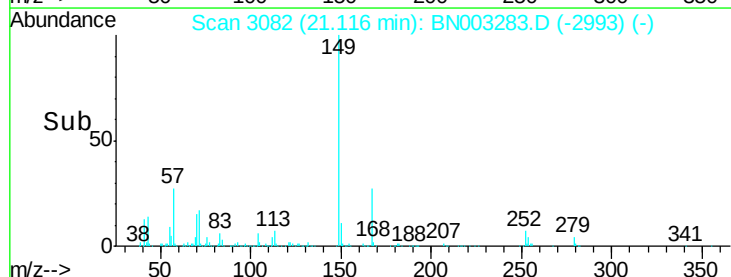
279 4.4 3.8 5.8

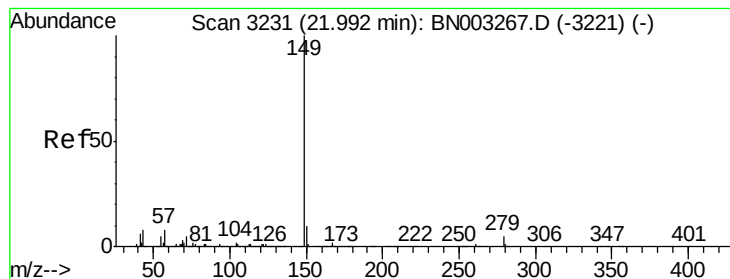


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 7.612 ng

RT: 21.99 min Scan# 3230

Delta R.T. -0.01 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

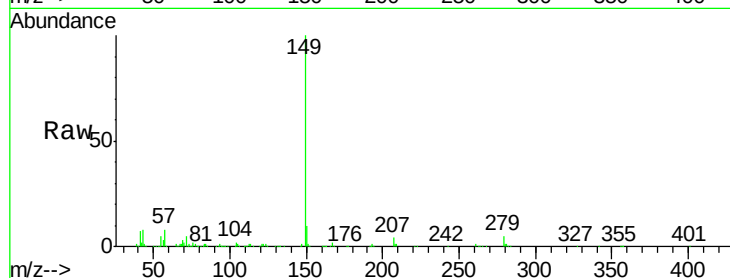
Tgt Ion:149 Resp: 418562

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

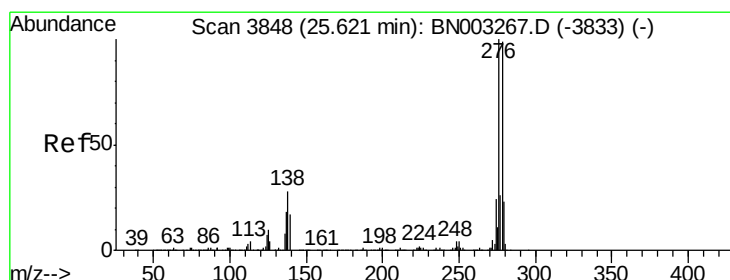
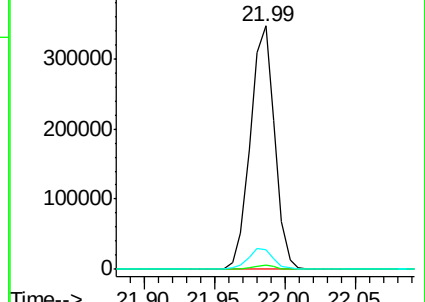
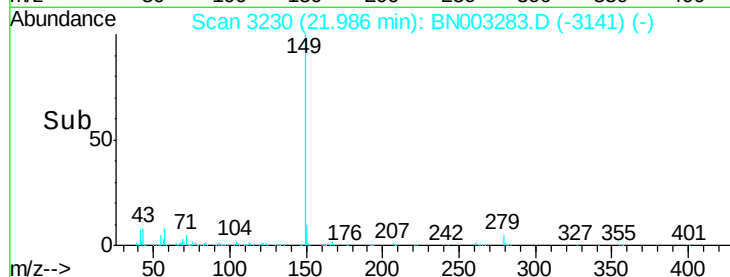
43 8.5 6.9 10.3



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: 7.997 ng

RT: 25.61 min Scan# 3846

Delta R.T. -0.01 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

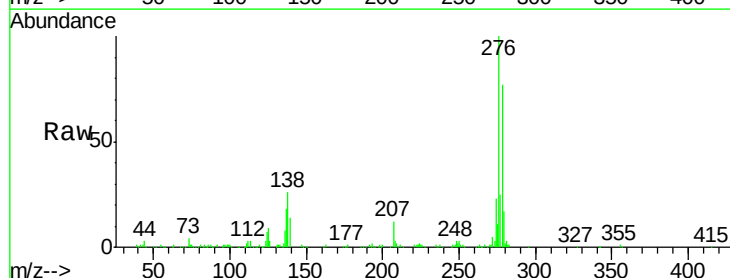
Tgt Ion:276 Resp: 406203

Ion Ratio Lower Upper

276 100

138 26.6 21.2 31.8

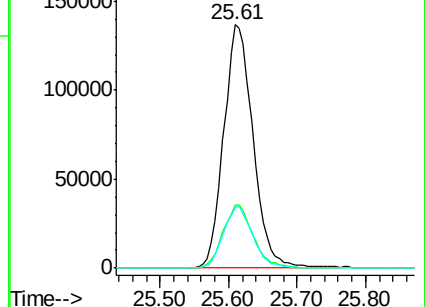
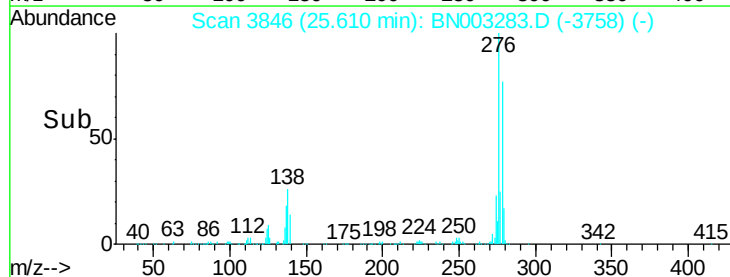
277 25.3 20.2 30.4

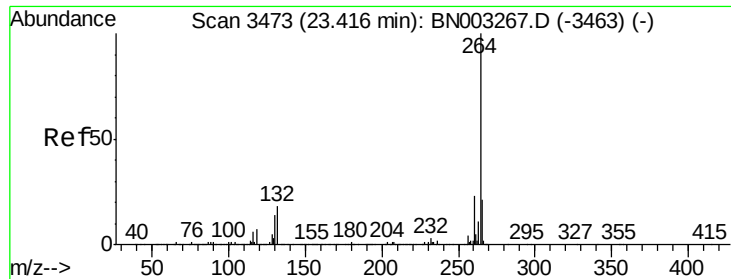


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



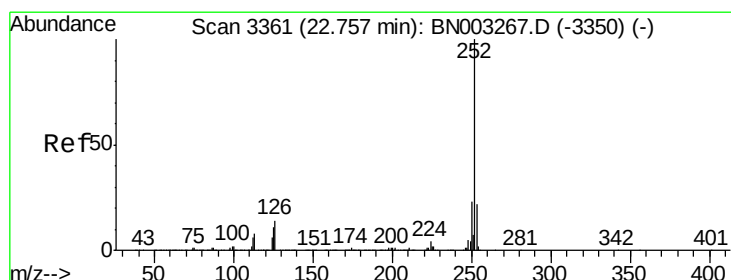
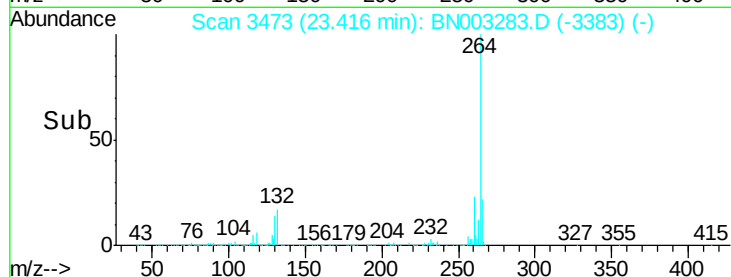
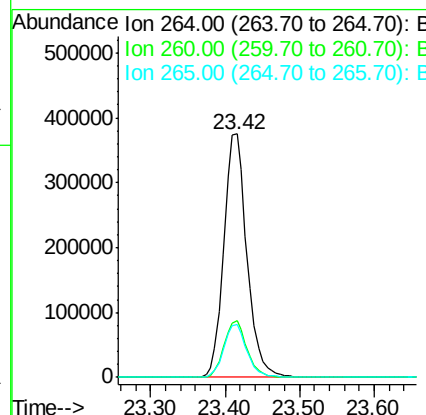
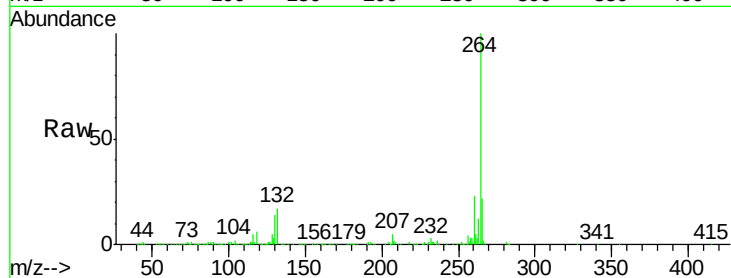


#87
Perylene-d12
Concen: 20.000 ng
RT: 23.42 min Scan# 3473
Delta R.T. -0.00 min
Lab File: BN003283.D
Acq: 24 Oct 2018 22:03

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion: 264 Resp: 806283

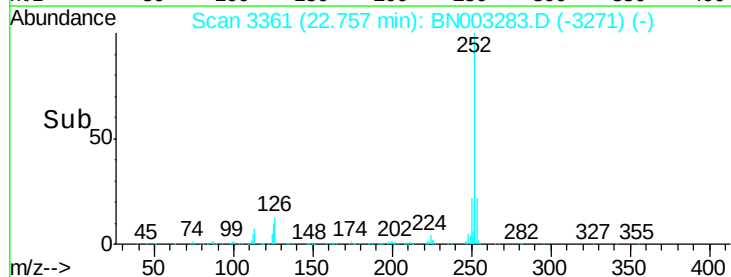
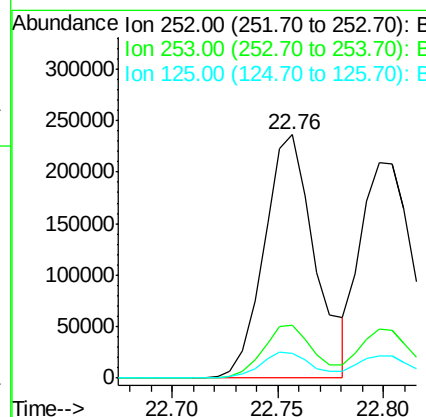
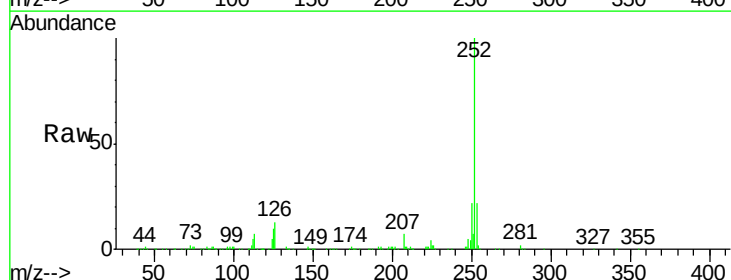
Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	21.9	16.6	25.0

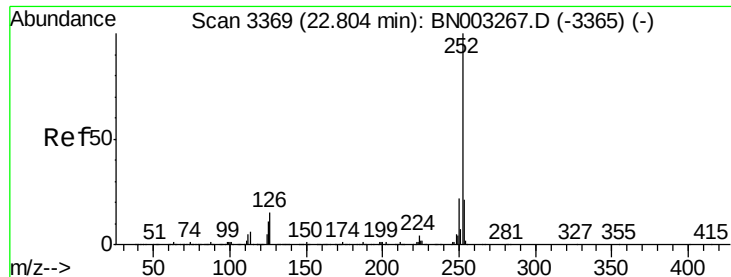


#88
Benzo(b)fluoranthene
Concen: 8.881 ng
RT: 22.76 min Scan# 3361
Delta R.T. -0.00 min
Lab File: BN003283.D
Acq: 24 Oct 2018 22:03

Tgt Ion: 252 Resp: 394276

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.6
125	10.0	8.6	12.8

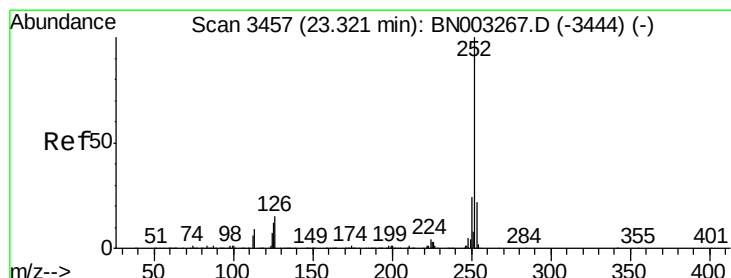
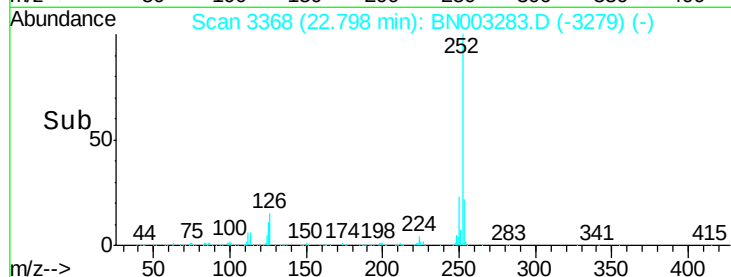
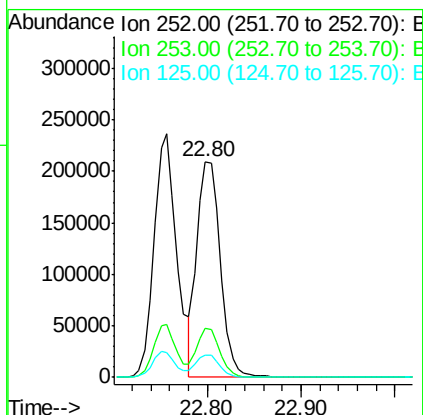
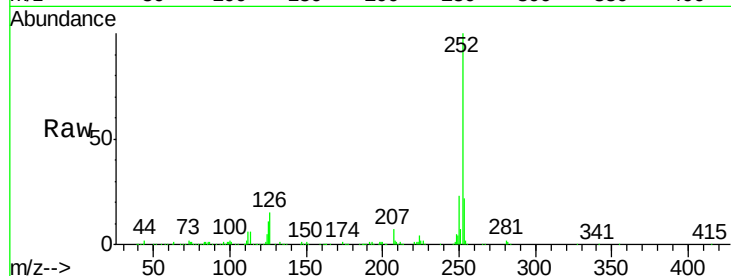




#89
Benzo(k)fluoranthene
Concen: 8.407 ng
RT: 22.80 min Scan# 3368
Delta R.T. -0.01 min
Lab File: BN003283.D
Acq: 24 Oct 2018 22:03

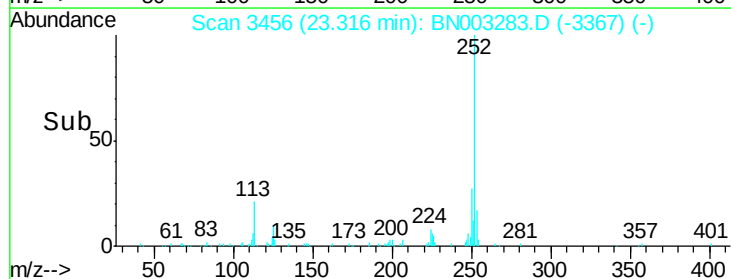
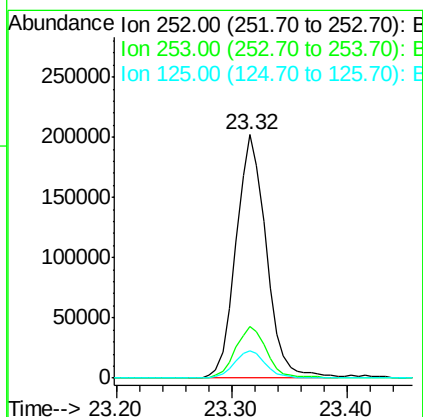
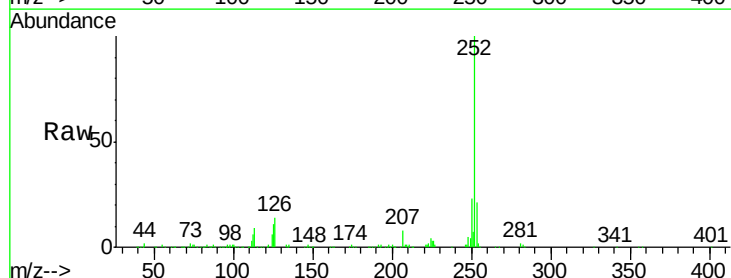
Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

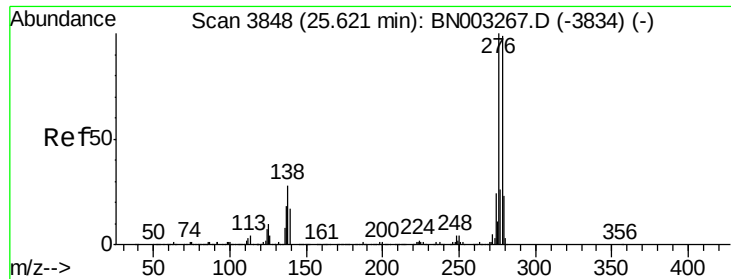
Tgt Ion: 252 Resp: 366046
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 10.5 8.7 13.1



#90
Benzo(a)pyrene
Concen: 8.703 ng
RT: 23.32 min Scan# 3456
Delta R.T. -0.01 min
Lab File: BN003283.D
Acq: 24 Oct 2018 22:03

Tgt Ion: 252 Resp: 368224
Ion Ratio Lower Upper
252 100
253 21.3 17.8 26.6
125 11.1 9.6 14.4





#91

Dibenzo(a,h)anthracene

Concen: 8.333 ng

RT: 25.62 min Scan# 3847

Delta R.T. -0.01 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

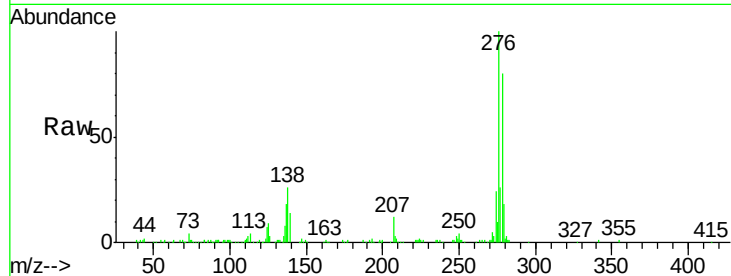
Tgt Ion:278 Resp: 348979

Ion Ratio Lower Upper

278 100

139 17.9 13.9 20.9

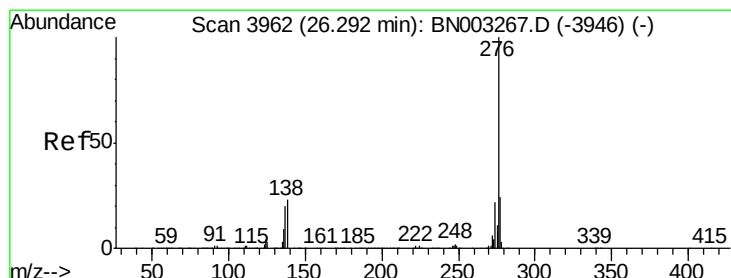
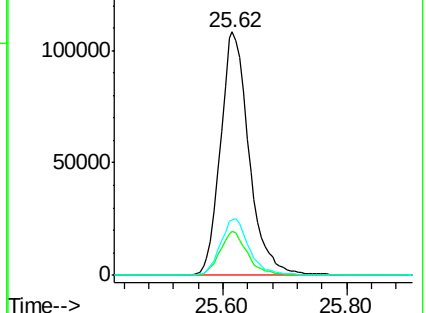
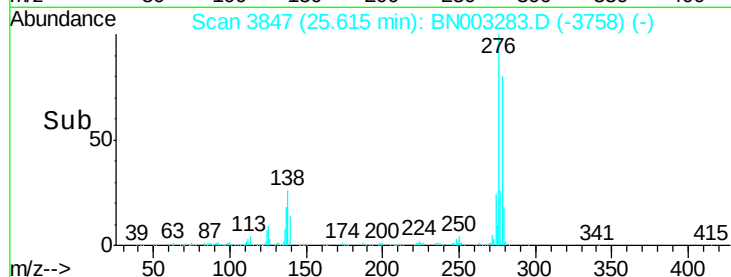
279 22.9 19.0 28.6



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: 8.348 ng

RT: 26.30 min Scan# 3963

Delta R.T. 0.01 min

Lab File: BN003283.D

Acq: 24 Oct 2018 22:03

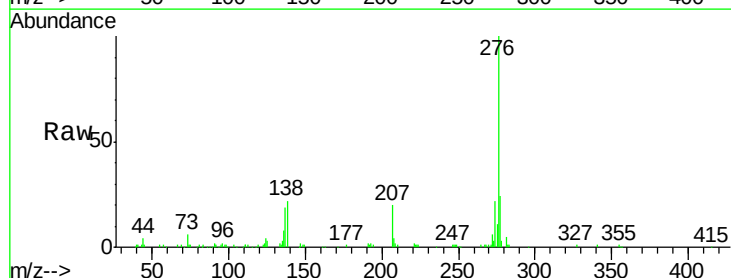
Tgt Ion:276 Resp: 335634

Ion Ratio Lower Upper

276 100

277 23.9 19.1 28.7

138 22.5 18.2 27.4



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

