

Data Path : Z:\HPCHEM1\BNA N\DATA\BN041818\
 Data File : BN000751.D
 Acq On : 18 Apr 2018 21:58
 Operator : JU/SJ
 Sample : J2133-03
 Misc : 8PPM MDL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

Quant Time: Apr 19 06:53:03 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN041818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 18 16:58:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	130776	20.00	ng	0.00
21) Naphthalene-d8	10.40	136	560643	20.00	ng	0.00
38) Acenaphthene-d10	14.26	164	284779	20.00	ng	0.00
63) Phenanthrene-d10	17.01	188	540685	20.00	ng	0.00
75) Chrysene-d12	21.22	240	469012	20.00	ng	0.00
86) Perylene-d12	23.41	264	458738	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1168319	132.71	ng	0.00
7) Phenol-d6	6.82	99	1562452	130.24	ng	0.00
23) Nitrobenzene-d5	8.78	82	910724	84.68	ng	0.00
41) 2,4,6-Tribromophenol	15.76	330	397054	138.50	ng	0.00
44) 2-Fluorobiphenyl	12.88	172	1787754	86.66	ng	0.00
78) Terphenyl-d14	19.66	244	1837470	84.47	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.26	88	32015	7.929	ng	# 91
3) Pyridine	3.63	79	81749	7.686	ng	99
4) n-Nitrosodimethylamine	3.55	42	21751	7.436	ng	# 88
6) Aniline	6.97	93	119843	7.530	ng	94
8) 2-Chlorophenol	7.20	128	71750	7.881	ng	93
9) Benzaldehyde	6.79	77	35279	3.905	ng	92
10) Phenol	6.84	94	97794	7.734	ng	87
11) bis(2-Chloroethyl)ether	7.07	93	80783	7.808	ng	84
12) 1,3-Dichlorobenzene	7.52	146	84000	7.943	ng	97
13) 1,4-Dichlorobenzene	7.66	146	85954	8.006	ng	95
14) 1,2-Dichlorobenzene	7.98	146	82311	8.032	ng	96
15) Benzyl Alcohol	7.87	79	57976	7.026	ng	93
16) 2,2'-oxybis(1-Chloropropan	8.16	45	86597	7.881	ng	79
17) 2-Methylphenol	8.07	107	65169	7.666	ng	95
18) Hexachloroethane	8.70	117	30226	7.640	ng	# 83
19) n-Nitroso-di-n-propylamine	8.43	70	55958	7.498	ng	# 84
20) 3+4-Methylphenols	8.39	107	86845	7.434	ng	92
22) Acetophenone	8.44	105	124559	7.753	ng	# 88
24) Nitrobenzene	8.82	77	94425	8.188	ng	# 96
25) Isophorone	9.33	82	136333	6.996	ng	98
26) 2-Nitrophenol	9.52	139	30631	6.484	ng	95
27) 2,4-Dimethylphenol	9.58	122	57773	7.491	ng	96
28) bis(2-Chloroethoxy)methane	9.82	93	98151	7.726	ng	97
29) 2,4-Dichlorophenol	10.05	162	55244	7.274	ng	97
30) 1,2,4-Trichlorobenzene	10.26	180	72123	7.879	ng	97
31) Naphthalene	10.45	128	240634	7.983	ng	98
32) Benzoic acid	9.66	122	31249	8.514	ng	95
33) 4-Chloroaniline	10.56	127	90977	7.392	ng	97
34) Hexachlorobutadiene	10.73	225	39043	7.853	ng	95
35) Caprolactam	11.30	113	13890	5.286	ng	93
36) 4-Chloro-3-methylphenol	11.68	107	62875	7.012	ng	98
37) 2-Methylnaphthalene	12.06	142	155355	7.868	ng	94
39) 1,2,4,5-Tetrachlorobenzene	12.43	216	71951	8.147	ng	# 97
40) Hexachlorocyclopentadiene	12.42	237	37033	7.150	ng	93

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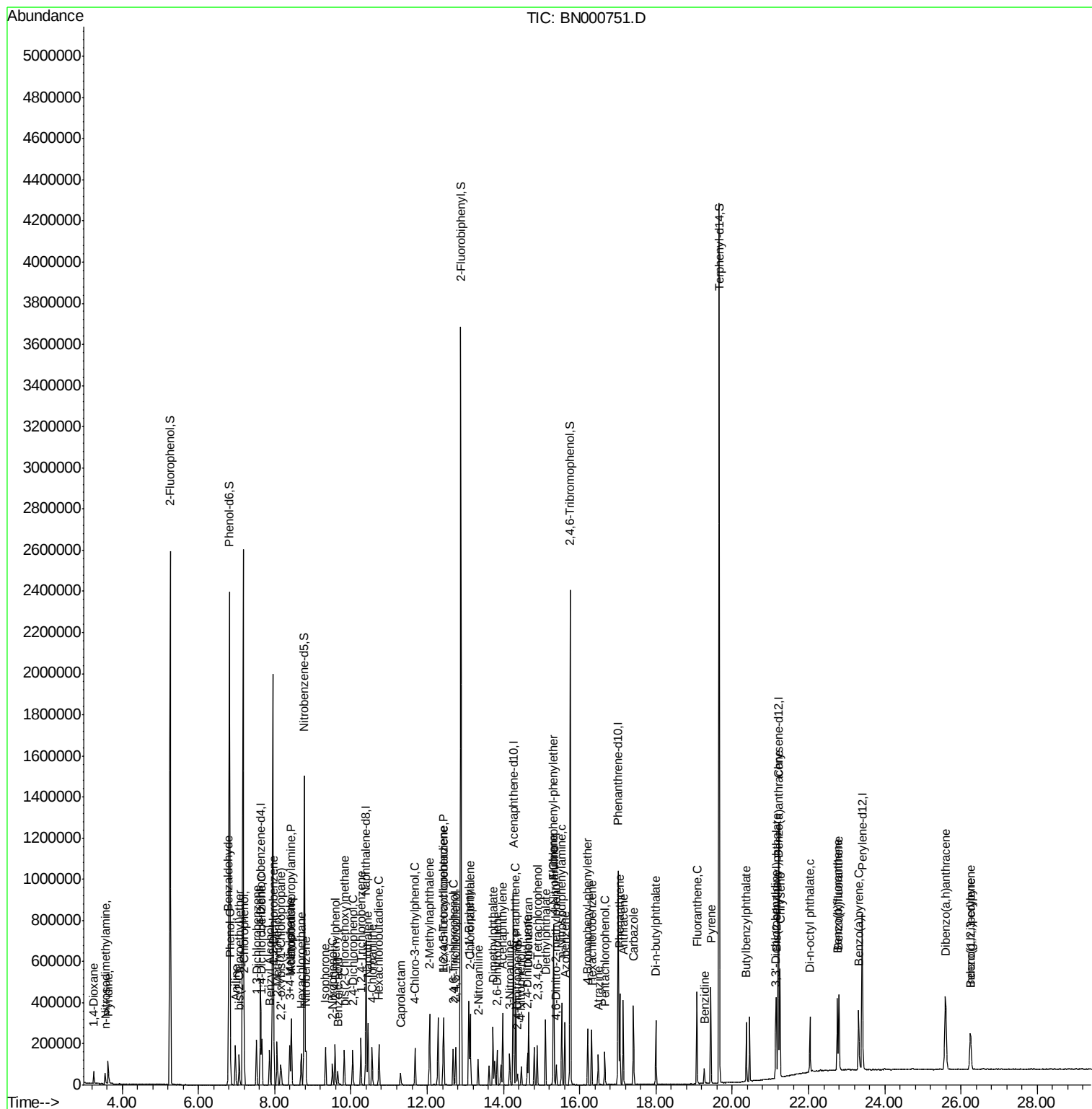
42) 2,4,6-Trichlorophenol	12.68	196	37343	6.971	nq	100
43) 2,4,5-Trichlorophenol	12.75	196	44952	7.266	nq	# 93
45) 1,1'-Biphenyl	13.09	154	209989	8.238	nq	97
46) 2-Chloronaphthalene	13.13	162	153899	8.052	nq	97
47) 2-Nitroaniline	13.33	65	32488	5.860	nq	90
48) Acenaphthylene	13.97	152	238329	7.866	nq	97
49) Dimethylphthalate	13.73	163	175518	7.712	nq	99
50) 2,6-Dinitrotoluene	13.84	165	32258	6.692	nq	94
51) Acenaphthene	14.32	154	146065	7.909	nq	99
52) 3-Nitroaniline	14.16	138	34017	6.201	nq	# 96
53) 2,4-Dinitrophenol	14.37	184	10203	9.475	nq	93
54) Dibenzofuran	14.66	168	214757	7.989	nq	97
55) 4-Nitrophenol	14.47	139	23019	5.650	nq	87
56) 2,4-Dinitrotoluene	14.63	165	39534	6.264	nq	94
57) Fluorene	15.31	166	167423	7.878	nq	97
58) 2,3,4,6-Tetrachlorophenol	14.89	232	33066	6.953	nq	# 88
59) Diethylphthalate	15.10	149	163123	7.232	nq	97
60) 4-Chlorophenyl-phenylether	15.32	204	81297	8.183	nq	93
61) 4-Nitroaniline	15.33	138	31842	5.900	nq	91
62) Azobenzene	15.61	77	179646	7.438	nq	89
64) 4,6-Dinitro-2-methylphenol	15.39	198	17985	5.385	nq	89
65) n-Nitrosodiphenylamine	15.53	169	140574	7.744	nq	94
66) 4-Bromophenyl-phenylether	16.21	248	42472	7.732	nq	# 85
67) Hexachlorobenzene	16.32	284	50099	7.877	nq	# 92
68) Atrazine	16.49	200	23516	4.782	nq	97
69) Pentachlorophenol	16.66	266	23233	5.653	nq	98
70) Phenanthrene	17.05	178	248847	7.947	nq	98
71) Anthracene	17.14	178	236285	7.705	nq	97
72) Carbazole	17.41	167	213278	7.400	nq	97
73) Di-n-butylphthalate	18.00	149	207335	6.314	nq	98
74) Fluoranthene	19.07	202	235981	7.477	nq	93
76) Benzidine	19.27	184	41366	3.257	nq	# 92
77) Pyrene	19.44	202	252545	7.475	nq	100
79) Butylbenzylphthalate	20.37	149	71774	5.043	nq	95
80) Benzo(a)anthracene	21.20	228	232616	7.870	nq	98
81) 3,3'-Dichlorobenzidine	21.14	252	53040	5.701	nq	# 95
82) Chrysene	21.25	228	228591	7.988	nq	98
83) Bis(2-ethylhexyl)phthalate	21.16	149	117554	5.407	nq	# 94
84) Di-n-octyl phthalate	22.04	149	151459	4.869	nq	95
85) Indeno(1,2,3-cd)pyrene	26.24	276	189739	7.710	nq	# 91
87) Benzo(b)fluoranthene	22.76	252	210884	7.566	nq	# 95
88) Benzo(k)fluoranthene	22.80	252	209404	7.543	nq	# 95
89) Benzo(a)pyrene	23.32	252	187172	7.359	nq	# 94
90) Dibenzo(a,h)anthracene	25.60	278	196650	7.846	nq	# 90
91) Benzo(g,h,i)perylene	26.24	276	189739	7.754	nq	# 88

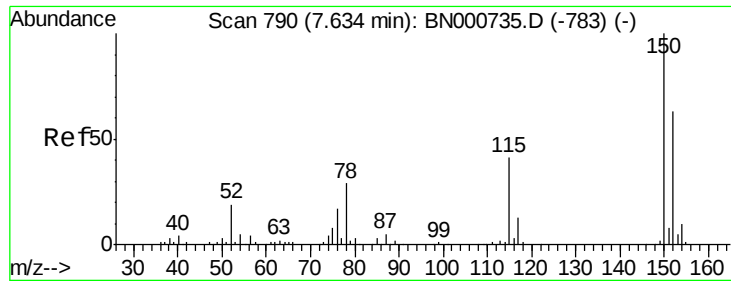
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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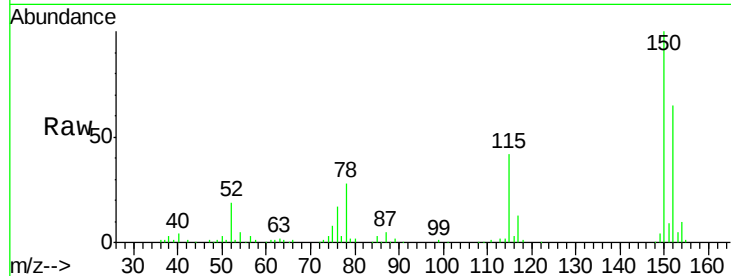


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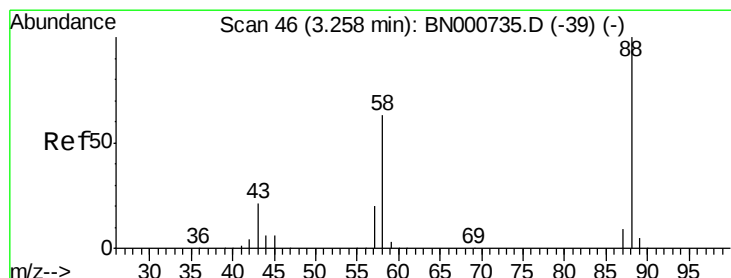
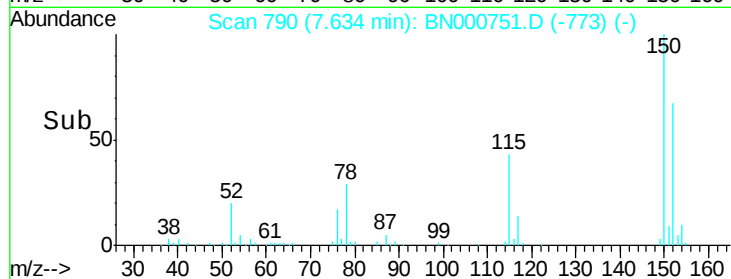
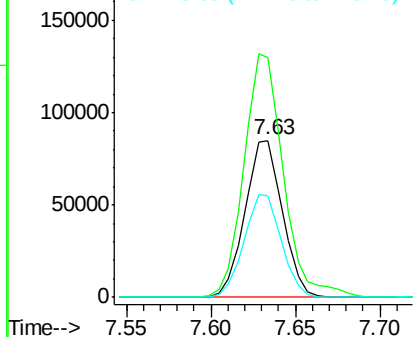
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.63 min Scan# 790
Delta R.T. -0.00 min
Lab File: BN000751.D
Acq: 18 Apr 2018 21:58

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

Tot Ion:152 Resp: 130776
Ion Ratio Lower Upper
152 100
150 152.9 126.6 189.8
115 64.7 53.0 79.4



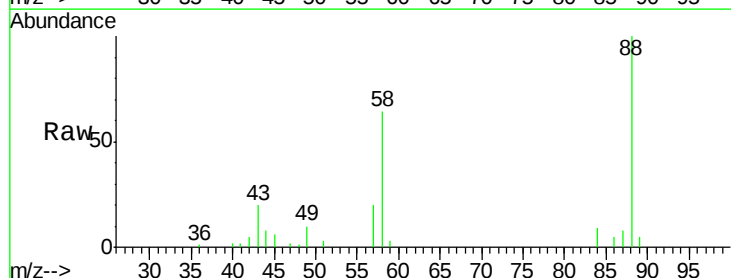
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



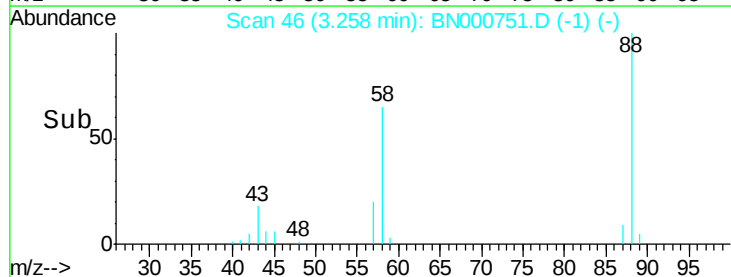
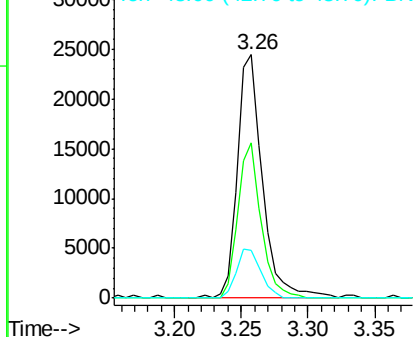
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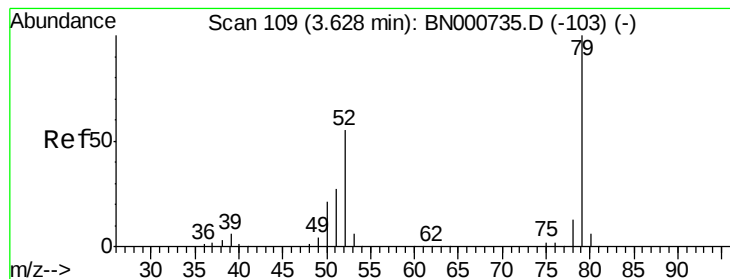
1,4-Dioxane
Concen: 7.929 ng
RT: 3.26 min Scan# 46
Delta R.T. -0.00 min
Lab File: BN000751.D
Acq: 18 Apr 2018 21:58

Tgt Ion: 88 Resp: 32015
Ion Ratio Lower Upper
88 100
58 58.8 52.0 78.0
43 19.6 20.0 30.0#



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

Pvridine

Concen: 7.686 ng

RT: 3.63 min Scan# 110

Delta R.T. 0.01 min

Lab File: BN000751.D

Acq: 18 Apr 2018 21:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

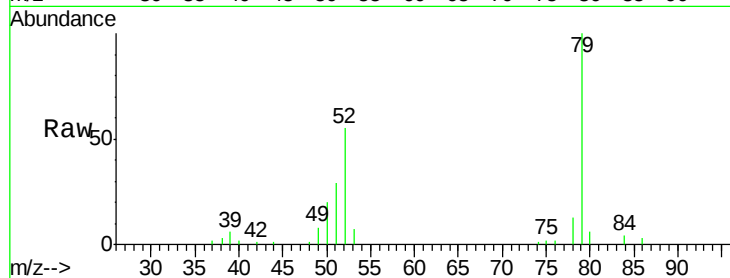
Tot Ion: 79 Resp: 81749

Ion Ratio Lower Upper

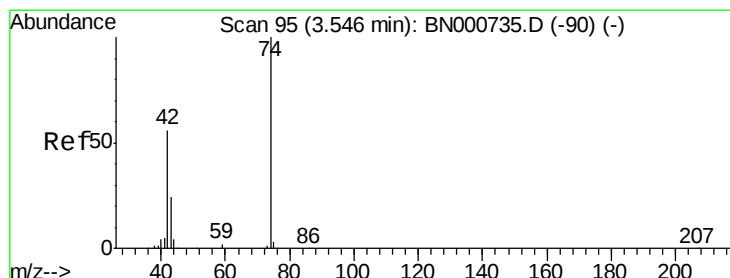
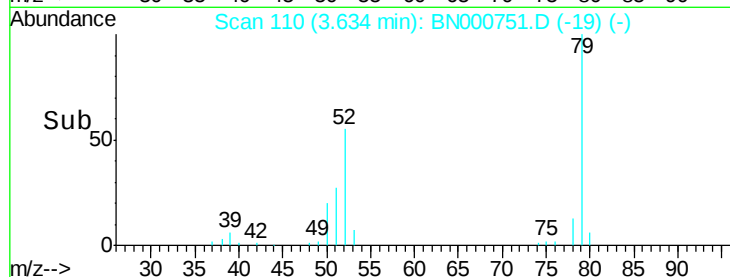
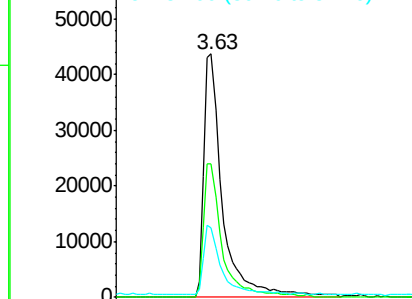
79 100

52 54.9 44.0 66.0

51 28.7 24.0 36.0



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



#4

n-Nitrosodimethylamine

Concen: 7.436 ng

RT: 3.55 min Scan# 96

Delta R.T. 0.01 min

Lab File: BN000751.D

Acq: 18 Apr 2018 21:58

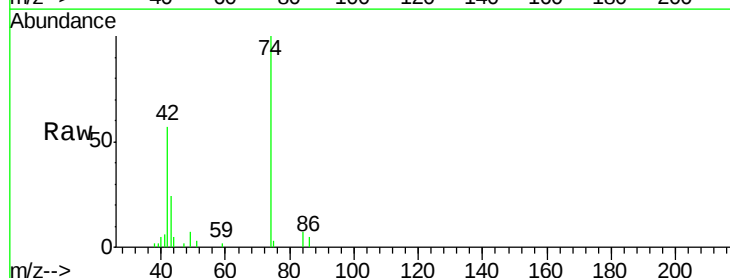
Tgt Ion: 42 Resp: 21751

Ion Ratio Lower Upper

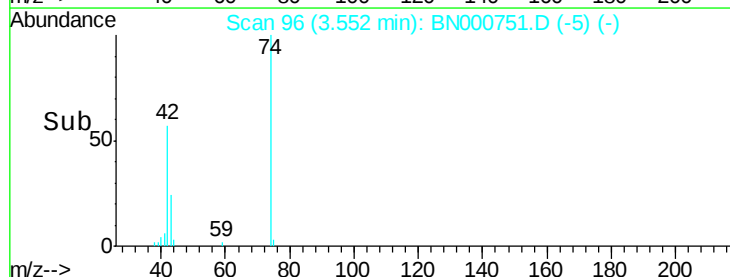
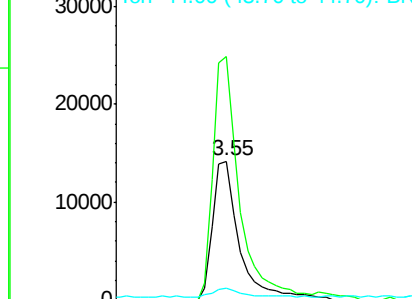
42 100

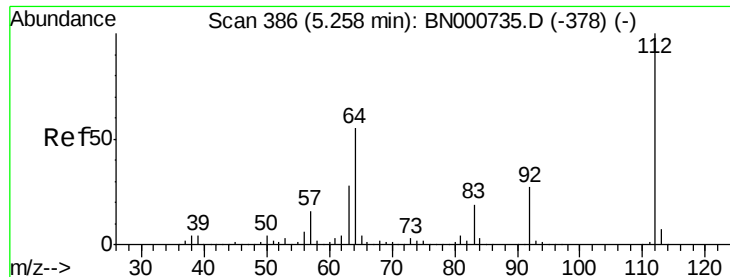
74 175.3 128.0 192.0

44 8.6 12.0 18.0#



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





#5

2-Fluorophenol

Concen: 132.710 ng

RT: 5.26 min Scan# 386

Delta R.T. -0.00 min

Lab File: BN000751.D

Acq: 18 Apr 2018 21:58

Instrument :

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ClientSampleId :

MDL-SOIL-03-QT2-2018

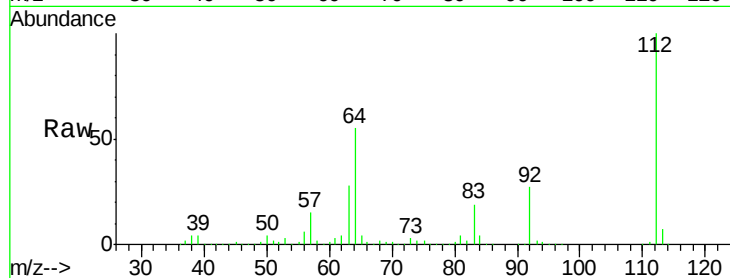
Tot Ion:112 Resp: 1168319

Ion Ratio Lower Upper

112 100

64 55.1 56.3 84.5#

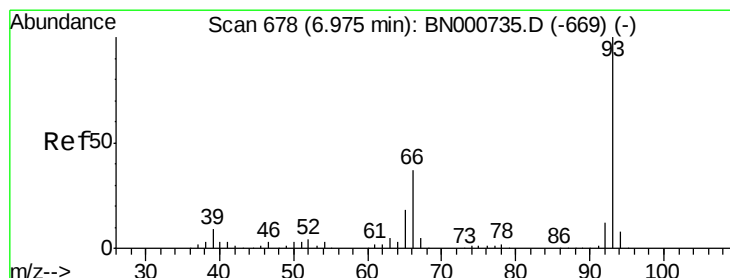
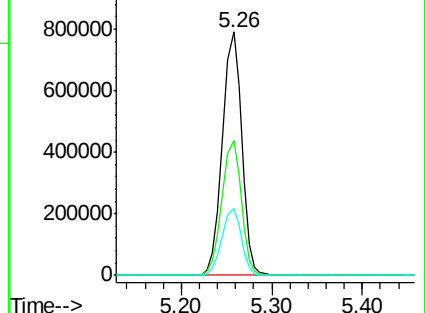
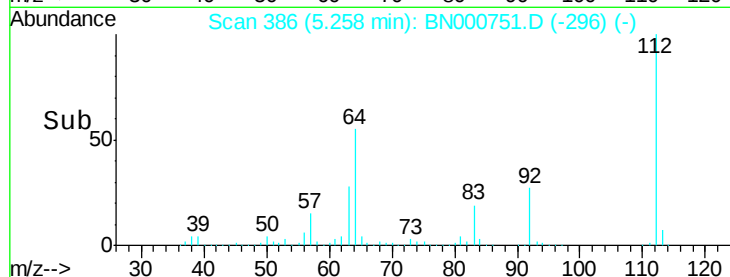
63 27.6 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#6

Aniline

Concen: 7.530 ng

RT: 6.97 min Scan# 677

Delta R.T. -0.01 min

Lab File: BN000751.D

Acq: 18 Apr 2018 21:58

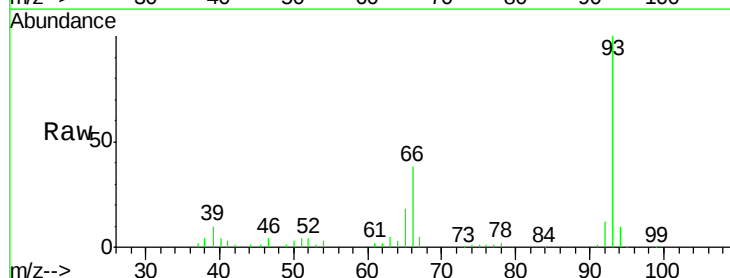
Tgt Ion: 93 Resp: 119843

Ion Ratio Lower Upper

93 100

66 37.5 33.7 50.5

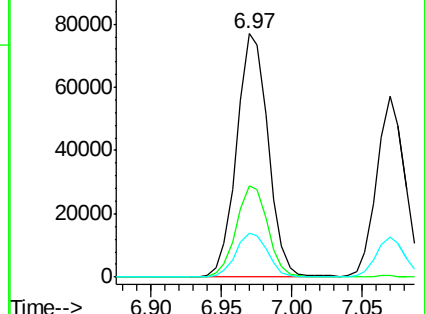
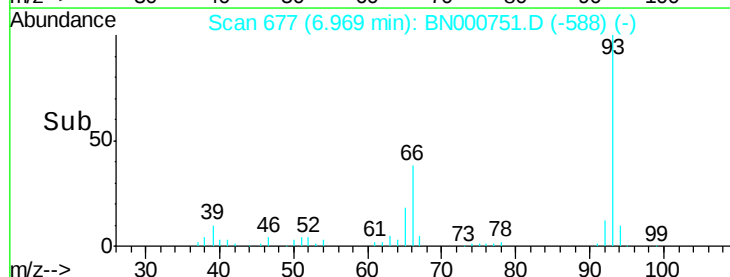
65 18.1 16.1 24.1

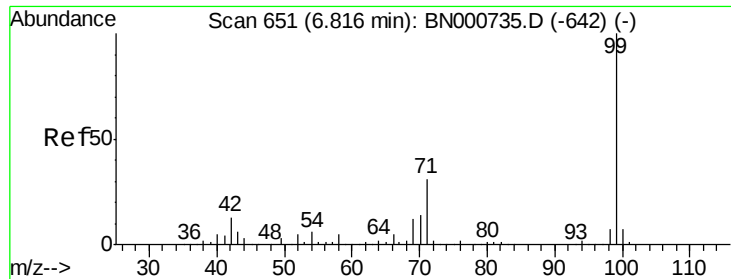


Abundance Ion 93.00 (92.70 to 93.70): BNC

Ion 66.00 (65.70 to 66.70): BNC

Ion 65.00 (64.70 to 65.70): BNC





#7

Phenol-d6

Concen: 130.238 ng

RT: 6.82 min Scan# 651

Delta R.T. -0.00 min

Lab File: BN000751.D

Acq: 18 Apr 2018 21:58

Instrument :

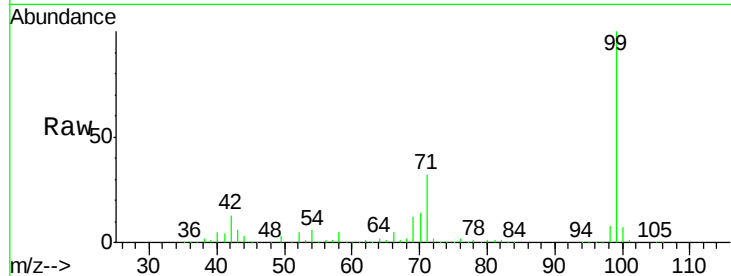
BNA_N

ClientSampleId :

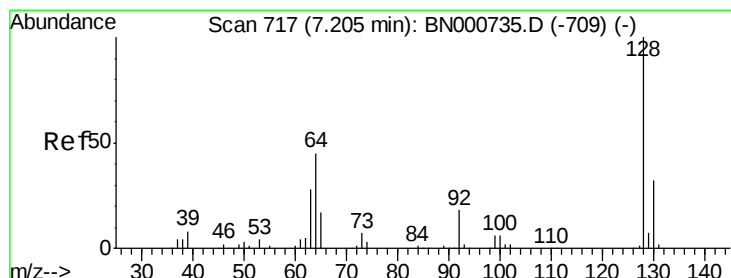
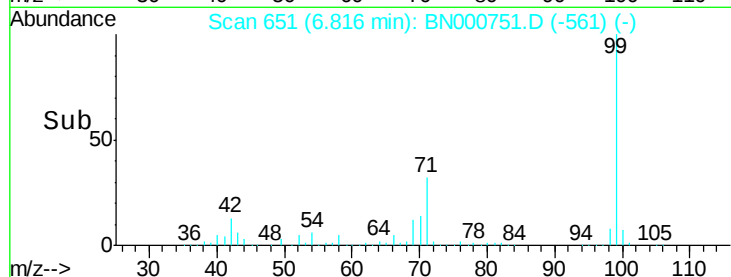
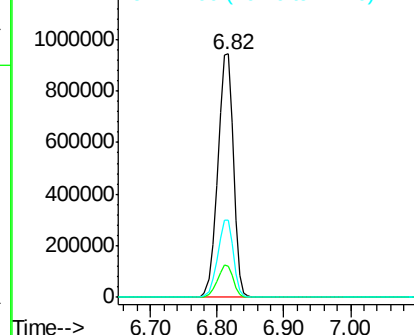
MDL-SOIL-03-QT2-2018

Tot Ion: 99 Resp: 1562452

Ion	Ratio	Lower	Upper
99	100		
42	12.6	14.1	21.1#
71	31.5	26.1	39.1



Abundance Ion 99.00 (98.70 to 99.70): BNC
Ion 42.00 (41.70 to 42.70): BNC
Ion 71.00 (70.70 to 71.70): BNC



#8

2-Chlorophenol

Concen: 7.881 ng

RT: 7.20 min Scan# 716

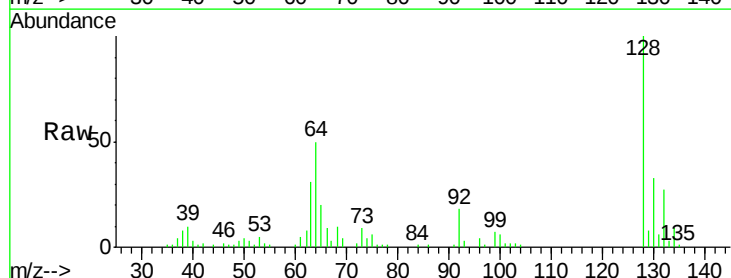
Delta R.T. -0.01 min

Lab File: BN000751.D

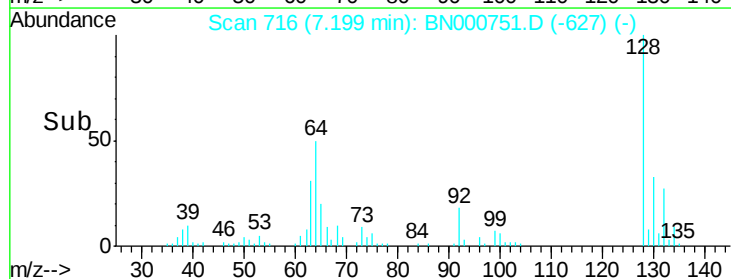
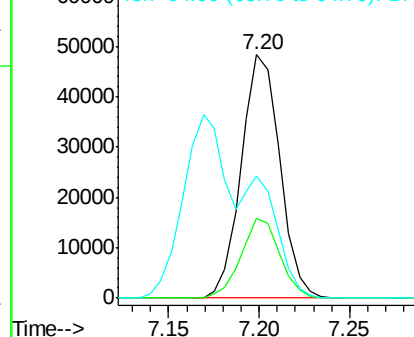
Acq: 18 Apr 2018 21:58

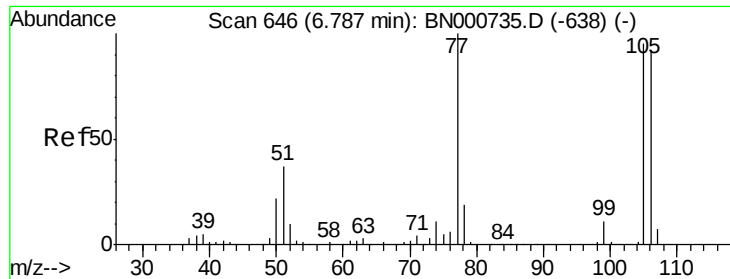
Tgt Ion: 128 Resp: 71750

Ion	Ratio	Lower	Upper
128	100		
130	32.6	14.0	54.0
64	50.1	37.7	77.7



Abundance Ion 128.00 (127.70 to 128.70): BNC
Ion 130.00 (129.70 to 130.70): BNC
Ion 64.00 (63.70 to 64.70): BNC

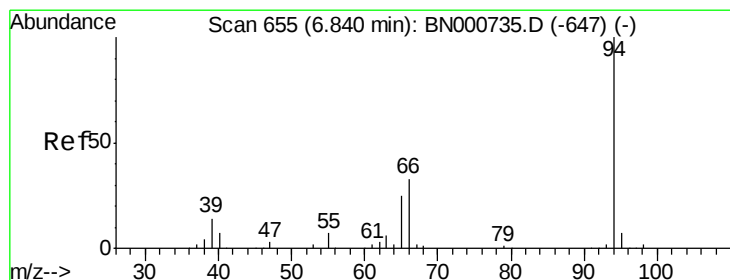
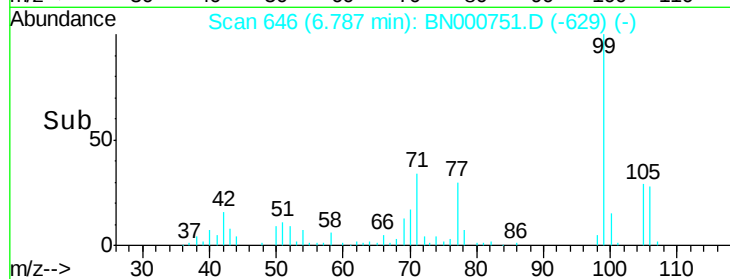
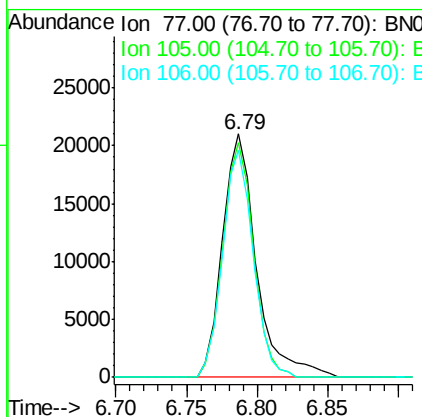
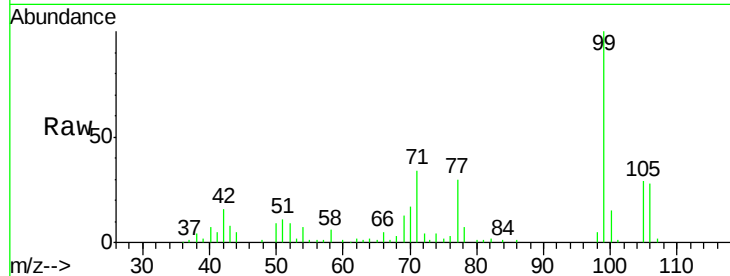




#9
Benzaldehyde
Concen: 3.905 ng
RT: 6.79 min Scan# 646
Delta R.T. -0.00 min
Lab File: BN000751.D
Acq: 18 Apr 2018 21:58

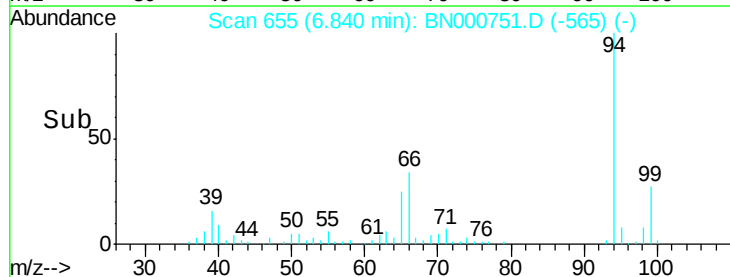
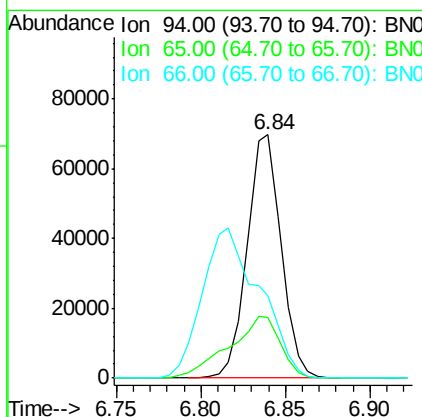
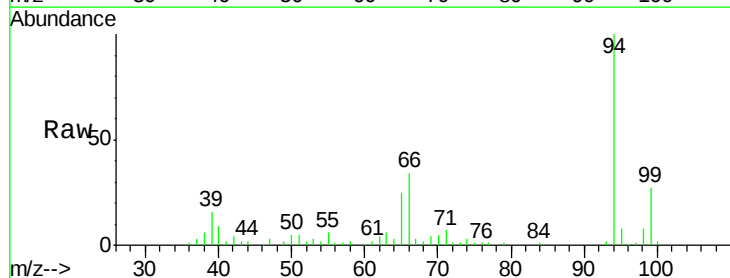
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

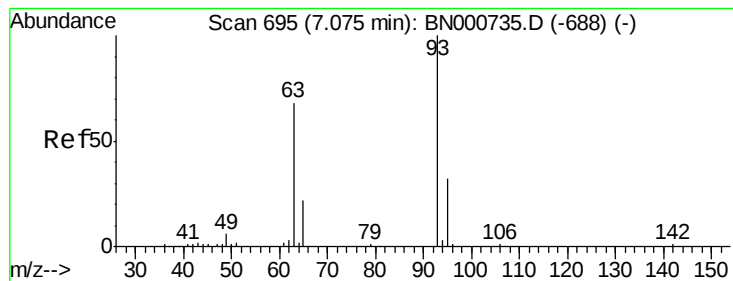
Tot Ion: 77 Resp: 35279
Ion Ratio Lower Upper
77 100
105 96.6 71.3 111.3
106 93.1 64.2 104.2



#10
Phenol
Concen: 7.734 ng
RT: 6.84 min Scan# 655
Delta R.T. -0.00 min
Lab File: BN000751.D
Acq: 18 Apr 2018 21:58

Tgt Ion: 94 Resp: 97794
Ion Ratio Lower Upper
94 100
65 25.1 11.9 51.9
66 33.6 22.2 62.2

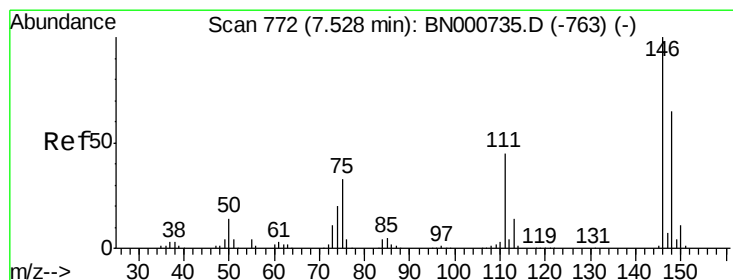
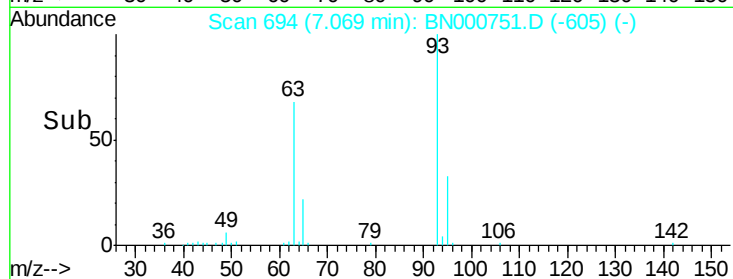
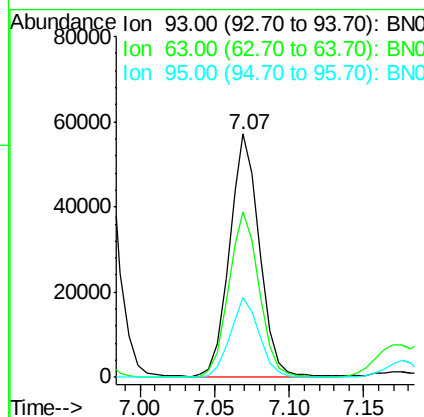
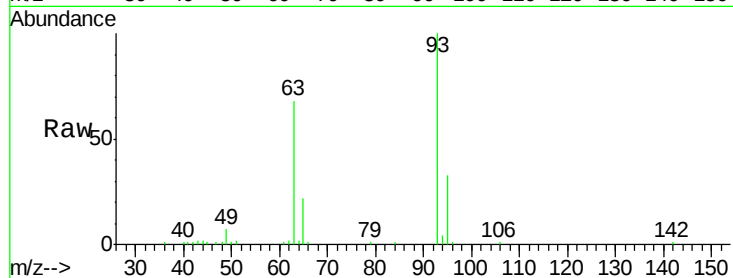




#11
bis(2-Chloroethyl)ether
Concen: 7.808 ng
RT: 7.07 min Scan# 694
Delta R.T. -0.01 min
Lab File: BN000751.D
Acq: 18 Apr 2018 21:58

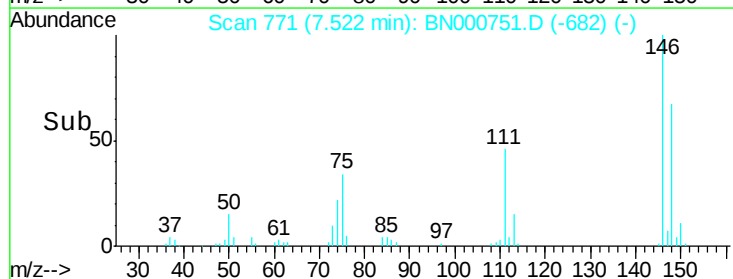
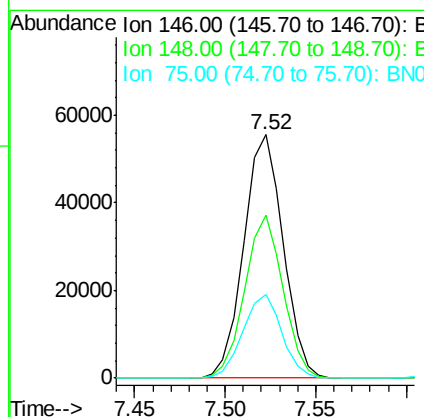
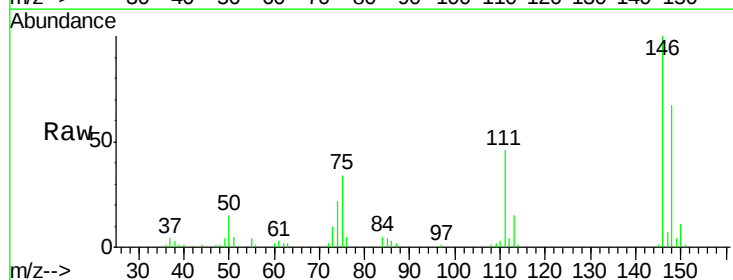
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

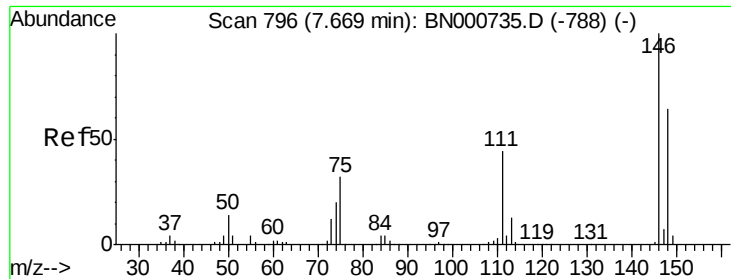
Tot Ion: 93 Resp: 80783
Ion Ratio Lower Upper
93 100
63 67.8 67.1 107.1
95 32.7 11.5 51.5



#12
1,3-Dichlorobenzene
Concen: 7.943 ng
RT: 7.52 min Scan# 771
Delta R.T. -0.01 min
Lab File: BN000751.D
Acq: 18 Apr 2018 21:58

Tgt Ion: 146 Resp: 84000
Ion Ratio Lower Upper
146 100
148 66.8 51.4 77.2
75 34.4 26.6 39.8

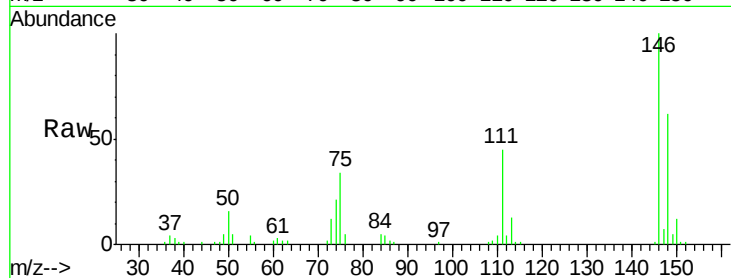




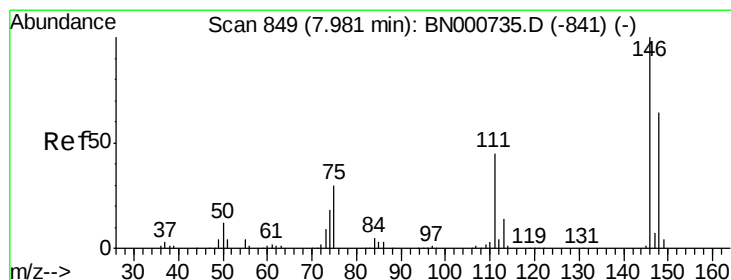
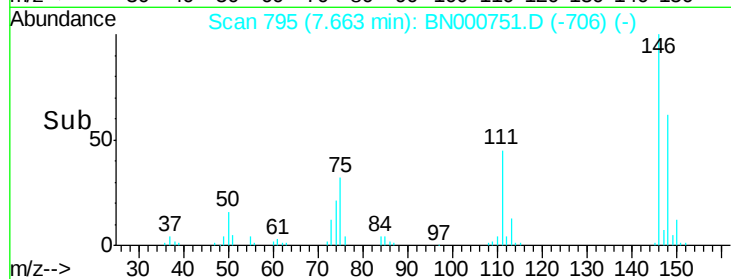
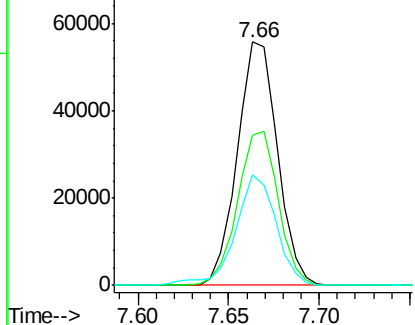
#13
 1,4-Dichlorobenzene
 Concen: 8.006 ng
 RT: 7.66 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BN000751.D
 Acq: 18 Apr 2018 21:58

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

Tot Ion:146 Resp: 85954
 Ion Ratio Lower Upper
 146 100
 148 61.9 53.7 80.5
 111 45.4 35.2 52.8

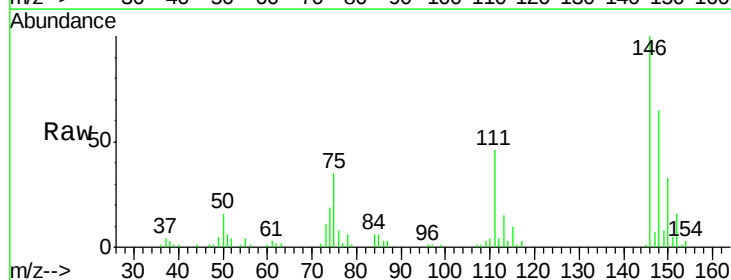


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

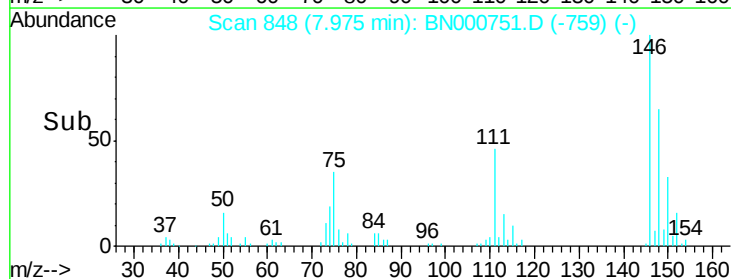
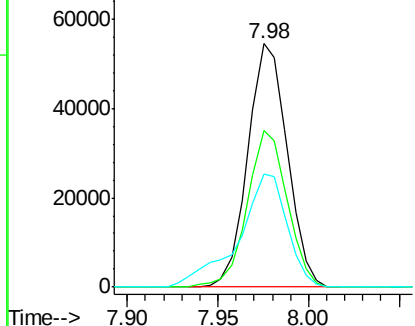


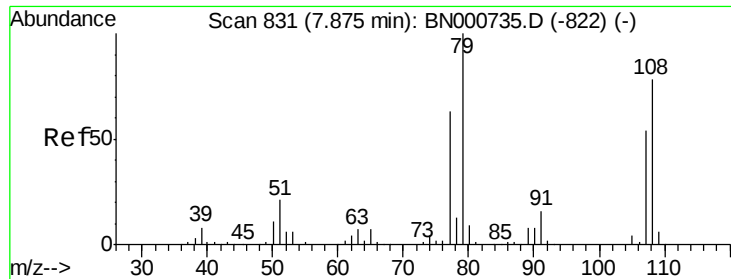
#14
 1,2-Dichlorobenzene
 Concen: 8.032 ng
 RT: 7.98 min Scan# 848
 Delta R.T. -0.01 min
 Lab File: BN000751.D
 Acq: 18 Apr 2018 21:58

Tgt Ion:146 Resp: 82311
 Ion Ratio Lower Upper
 146 100
 148 64.5 49.3 73.9
 111 46.3 34.3 51.5



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: 7.026 ng

RT: 7.87 min Scan# 830

Delta R.T. -0.01 min

Lab File: BN000751.D

Acq: 18 Apr 2018 21:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

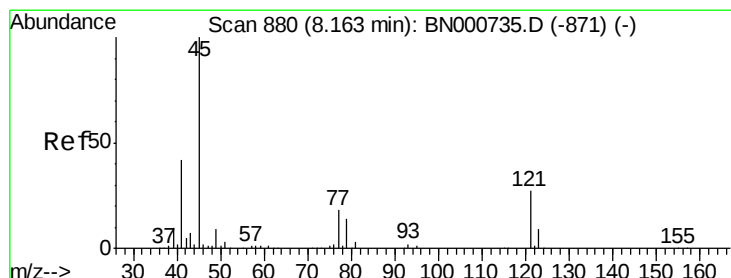
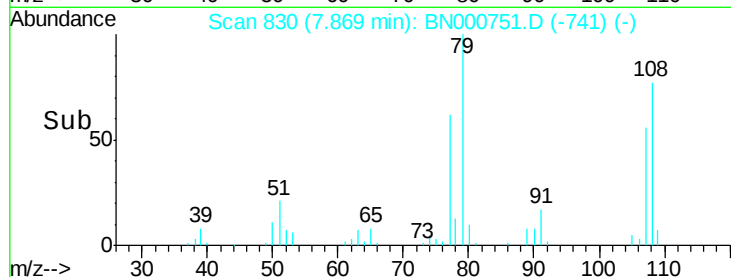
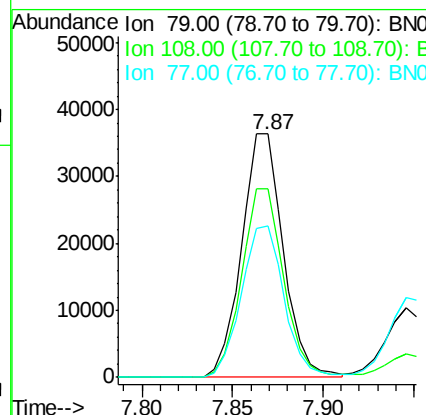
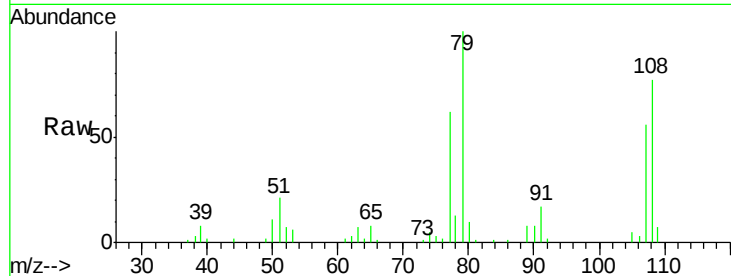
Tot Ion: 79 Resp: 57976

Ion Ratio Lower Upper

79 100

108 77.2 57.2 85.8

77 62.5 46.1 69.1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 7.881 ng

RT: 8.16 min Scan# 879

Delta R.T. -0.01 min

Lab File: BN000751.D

Acq: 18 Apr 2018 21:58

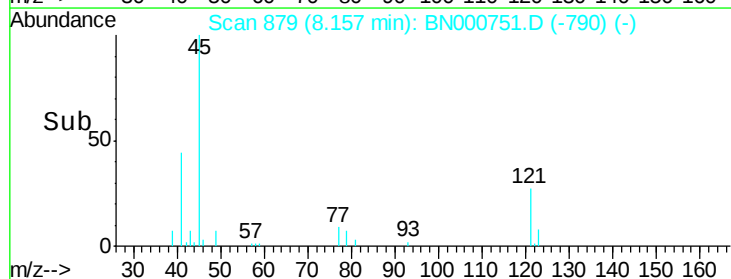
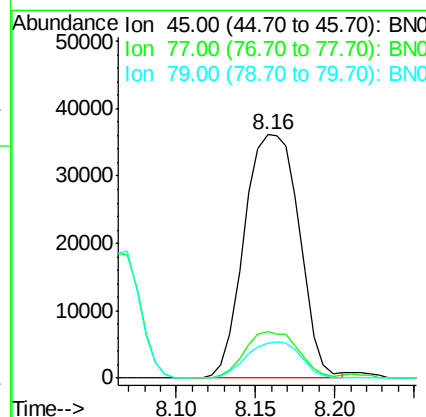
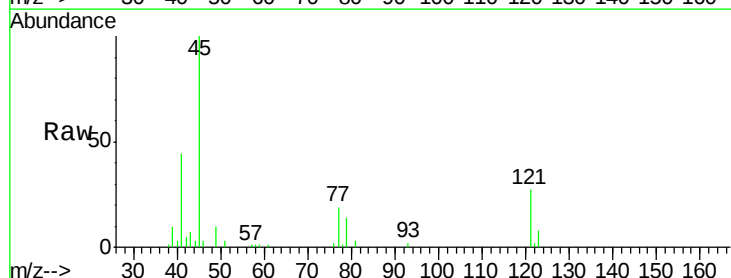
Tgt Ion: 45 Resp: 86597

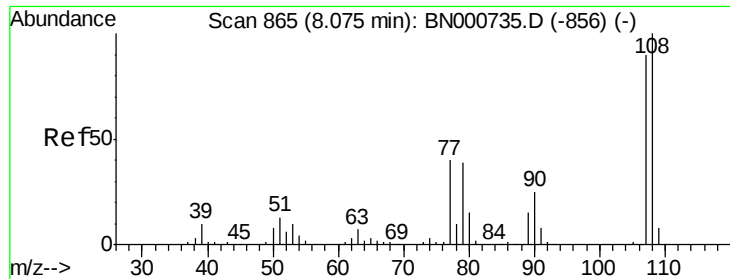
Ion Ratio Lower Upper

45 100

77 19.1 0.0 30.2

79 14.1 0.0 27.9

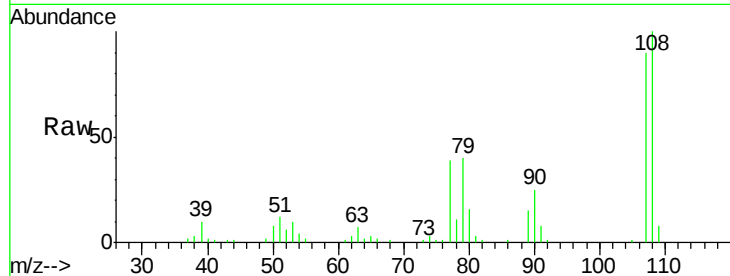




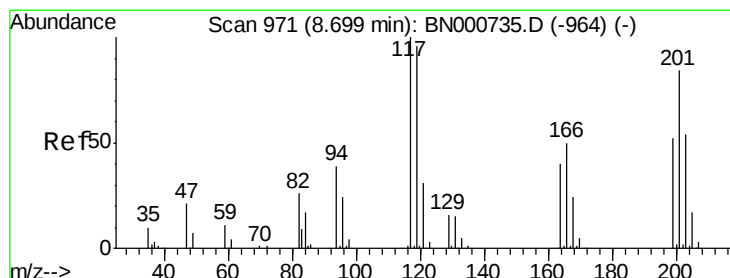
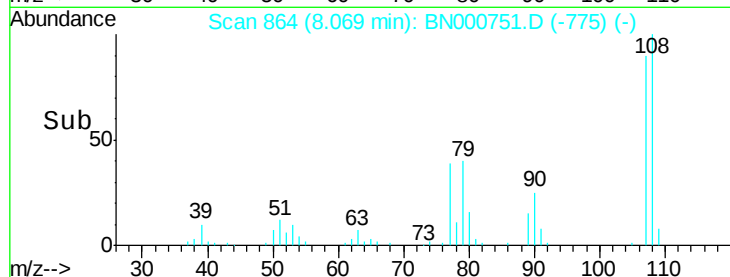
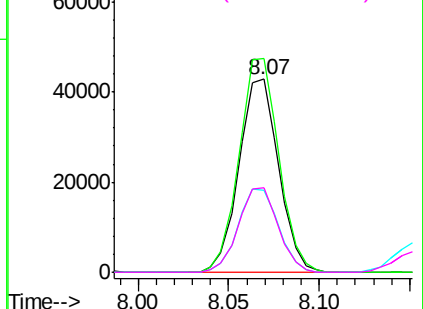
#17
2-Methylphenol
Concen: 7.666 ng
RT: 8.07 min Scan# 864
Delta R.T. -0.01 min
Lab File: BN000751.D
Acq: 18 Apr 2018 21:58

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

Tot Ion:107 Resp: 65169
Ion Ratio Lower Upper
107 100
108 110.6 83.9 125.9
77 42.7 37.2 55.8
79 44.0 36.2 54.2

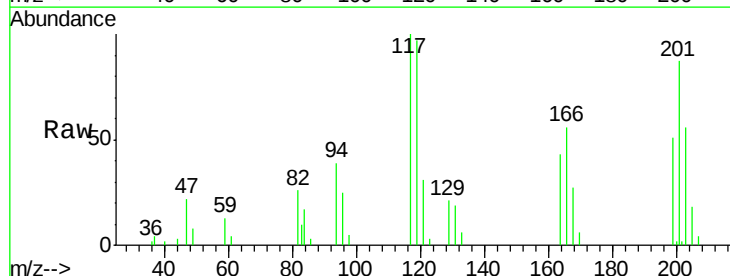


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BNC
Ion 79.00 (78.70 to 79.70): BNC

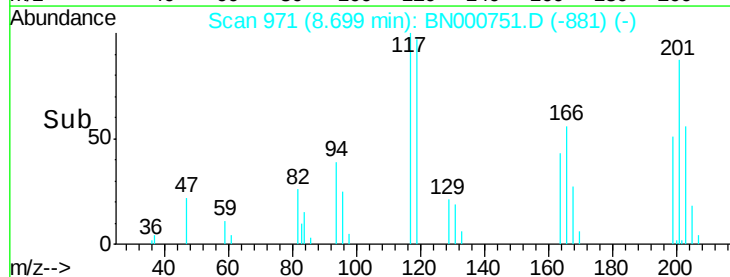
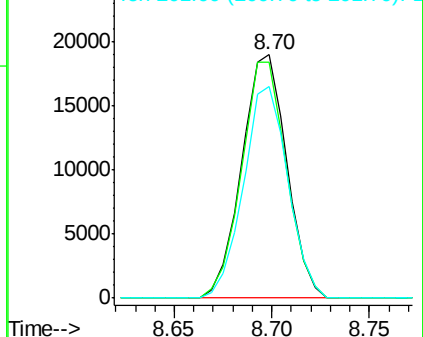


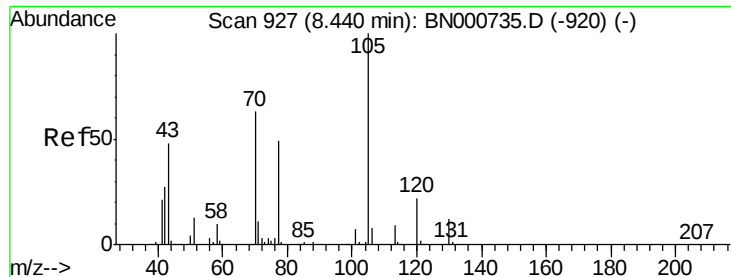
#18
Hexachloroethane
Concen: 7.640 ng
RT: 8.70 min Scan# 971
Delta R.T. -0.00 min
Lab File: BN000751.D
Acq: 18 Apr 2018 21:58

Tgt Ion:117 Resp: 30226
Ion Ratio Lower Upper
117 100
119 97.0 76.7 115.1
201 86.8 95.7 143.5#



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

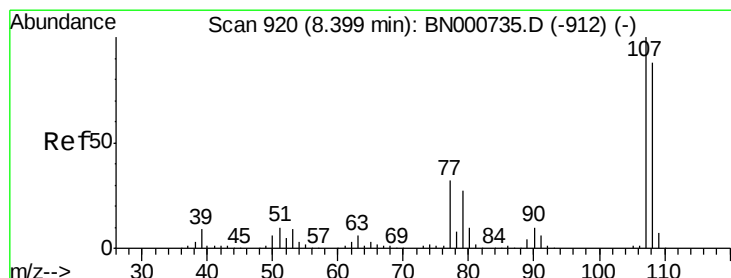
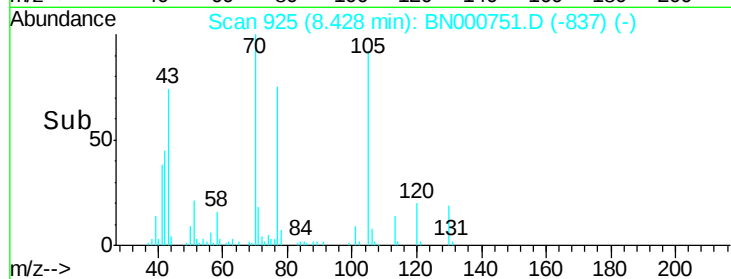
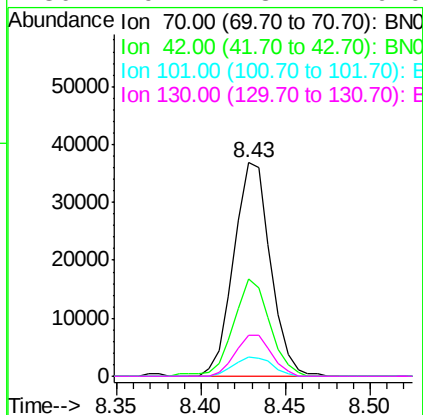
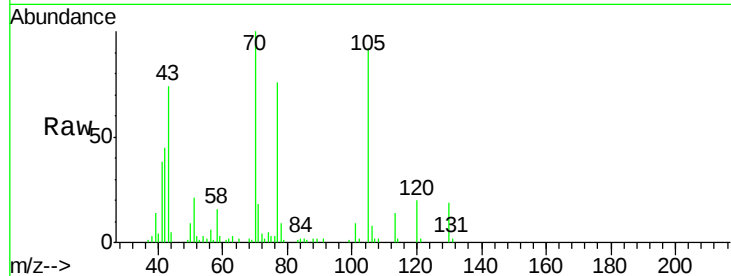




#19
n-Nitroso-di-n-propylamine
Concen: 7.498 ng
RT: 8.43 min Scan# 925
Delta R.T. -0.01 min
Lab File: BN000751.D
Acq: 18 Apr 2018 21:58

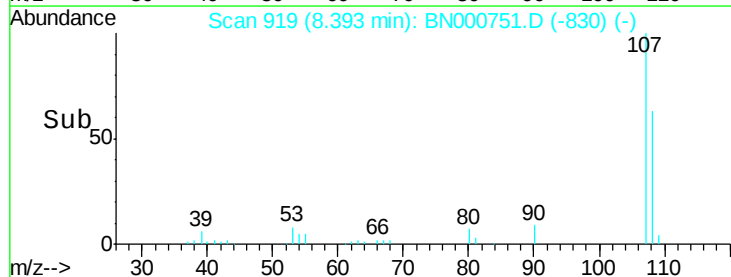
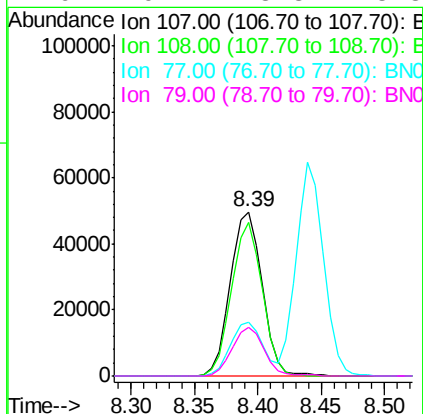
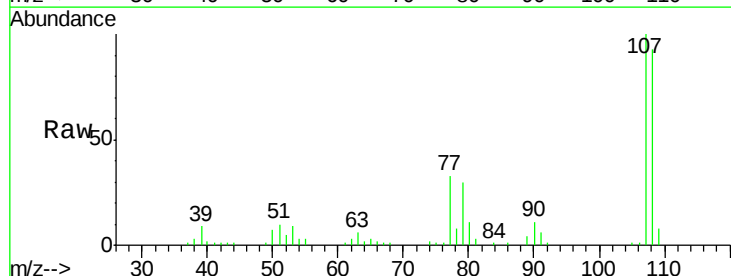
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

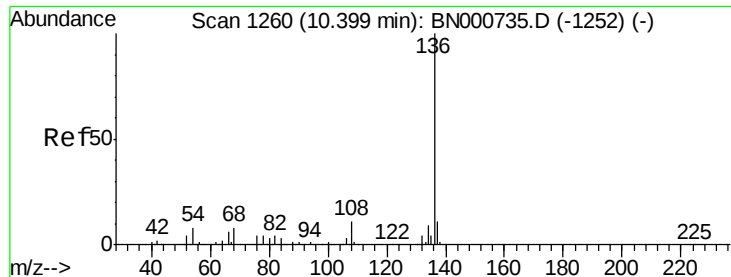
Tot Ion: 70 Resp: 55958
Ion Ratio Lower Upper
70 100
42 45.4 49.1 73.7#
101 9.2 8.5 12.7
130 19.2 13.4 20.0



#20
3+4-Methylphenols
Concen: 7.434 ng
RT: 8.39 min Scan# 919
Delta R.T. -0.01 min
Lab File: BN000751.D
Acq: 18 Apr 2018 21:58

Tgt Ion:107 Resp: 86845
Ion Ratio Lower Upper
107 100
108 93.2 61.6 101.6
77 32.9 13.9 53.9
79 29.7 8.8 48.8

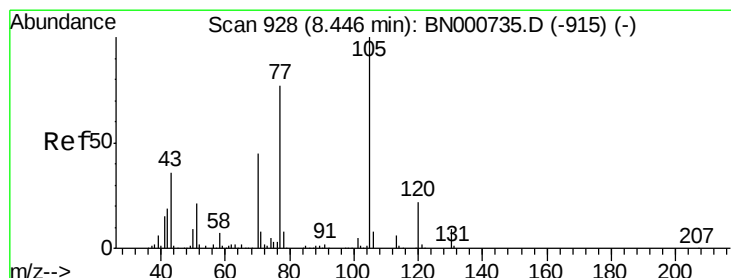
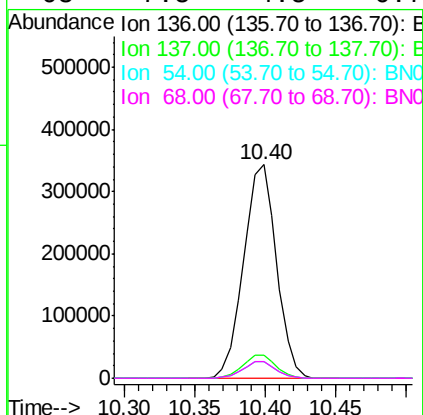
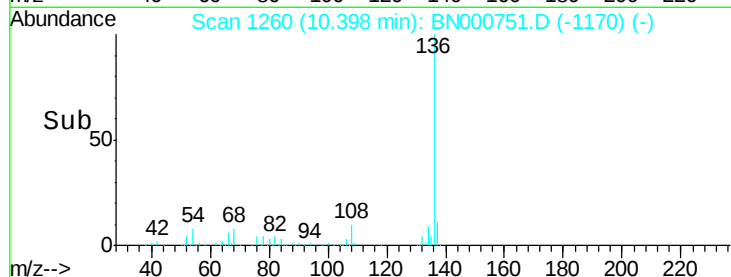
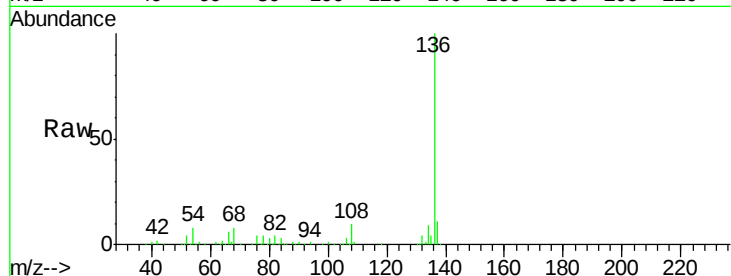




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.40 min Scan# 1260
Delta R.T. -0.00 min
Lab File: BN000751.D
Acq: 18 Apr 2018 21:58

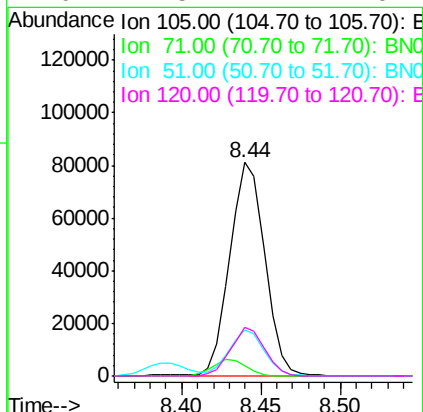
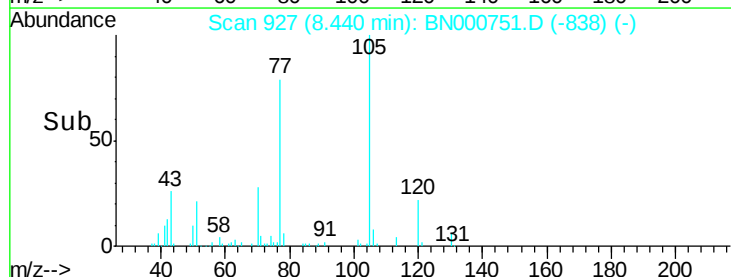
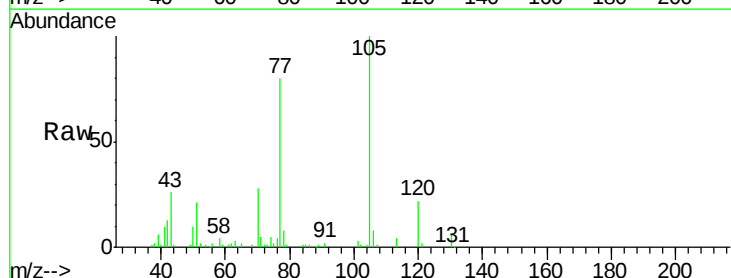
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

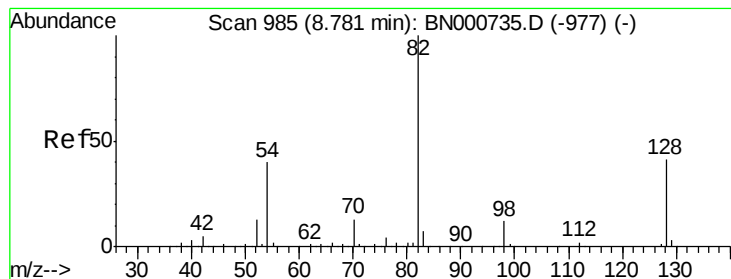
Tot Ion:136	Resp:	560643
Ion	Ratio	Lower Upper
136	100	
137	10.9	9.2 13.8
54	7.8	10.3 15.5#
68	7.5	4.5 6.7#



#22
Acetophenone
Concen: 7.753 ng
RT: 8.44 min Scan# 927
Delta R.T. -0.01 min
Lab File: BN000751.D
Acq: 18 Apr 2018 21:58

Tgt Ion:105	Resp:	124559
Ion	Ratio	Lower Upper
105	100	
71	4.8	3.0 4.4#
51	21.4	26.1 39.1#
120	22.5	17.4 26.2





#23

Nitrobenzene-d5

Concen: 84.682 ng

RT: 8.78 min Scan# 984

Delta R.T. -0.01 min

Lab File: BN000751.D

Acq: 18 Apr 2018 21:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

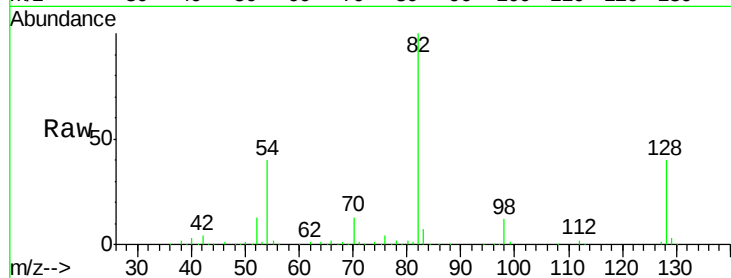
Tot Ion: 82 Resp: 910724

Ion Ratio Lower Upper

82 100

128 39.9 29.7 44.5

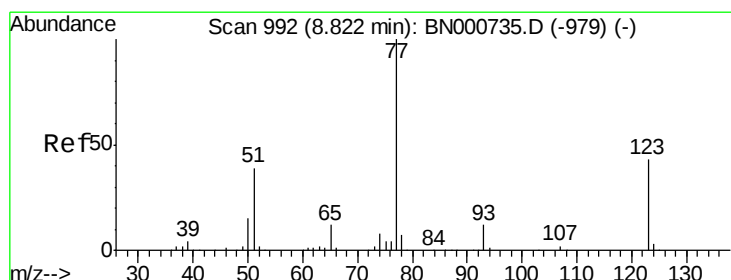
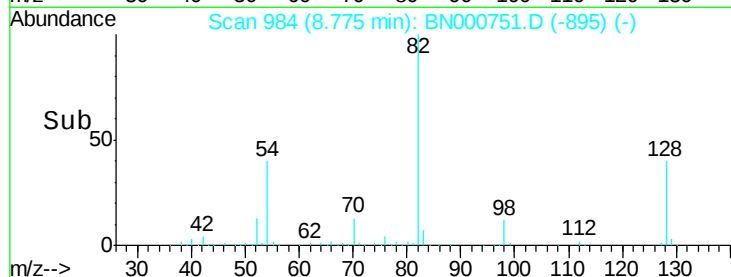
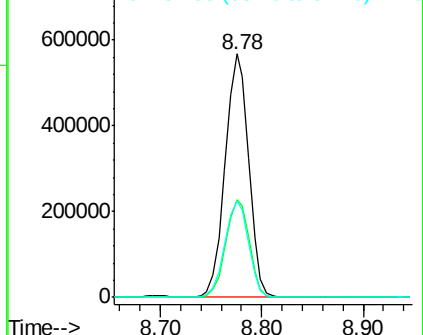
54 39.6 43.1 64.7#



Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): BNC

Ion 54.00 (53.70 to 54.70): BNC



#24

Nitrobenzene

Concen: 8.188 ng

RT: 8.82 min Scan# 991

Delta R.T. -0.01 min

Lab File: BN000751.D

Acq: 18 Apr 2018 21:58

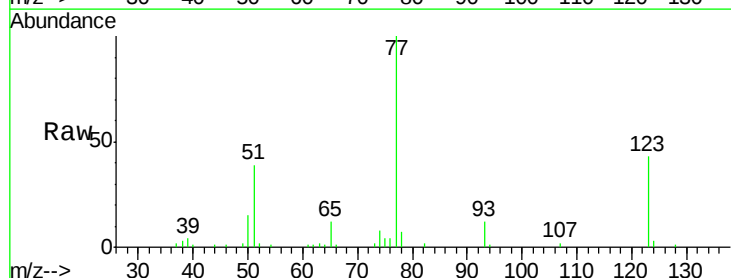
Tgt Ion: 77 Resp: 94425

Ion Ratio Lower Upper

77 100

123 42.7 33.0 49.6

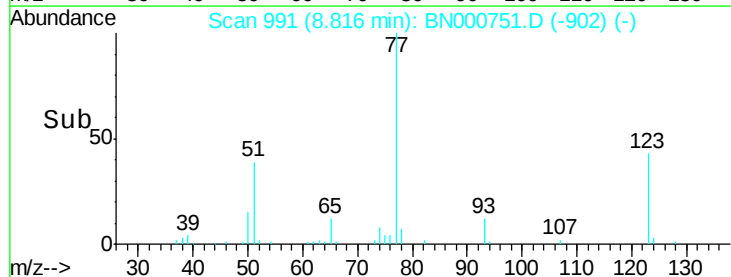
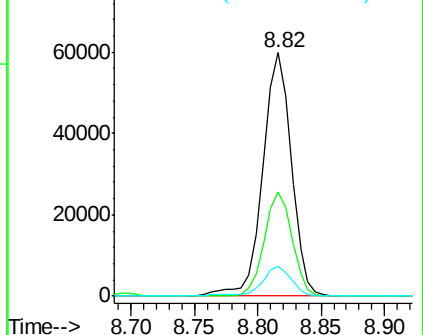
65 12.2 13.0 19.6#

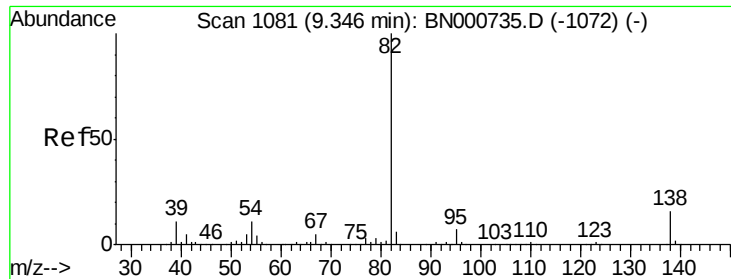


Abundance Ion 77.00 (76.70 to 77.70): BNC

Ion 123.00 (122.70 to 123.70): BNC

Ion 65.00 (64.70 to 65.70): BNC





#25

Isophorone

Concen: 6.996 ng

RT: 9.33 min Scan# 1079

Delta R.T. -0.01 min

Lab File: BN000751.D

Acq: 18 Apr 2018 21:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

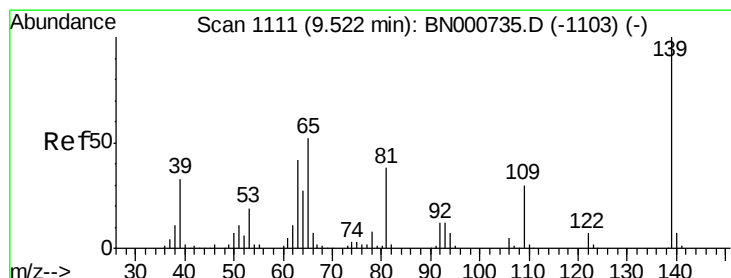
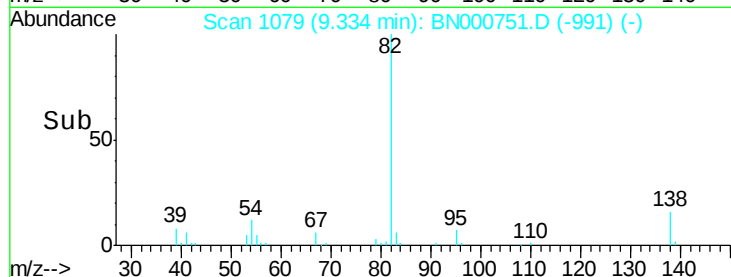
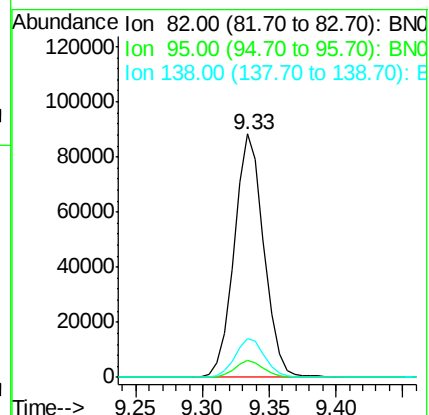
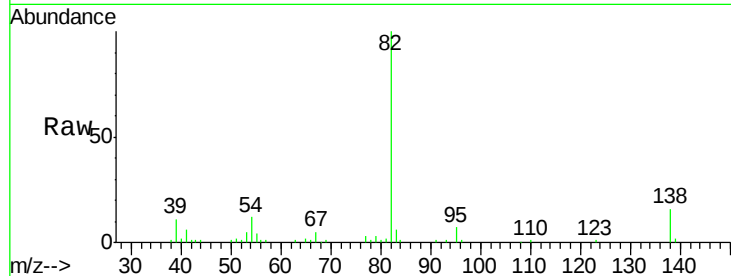
Tot Ion: 82 Resp: 136333

Ion Ratio Lower Upper

82 100

95 6.8 6.2 9.2

138 16.1 12.1 18.1



#26

2-Nitrophenol

Concen: 6.484 ng

RT: 9.52 min Scan# 1110

Delta R.T. -0.01 min

Lab File: BN000751.D

Acq: 18 Apr 2018 21:58

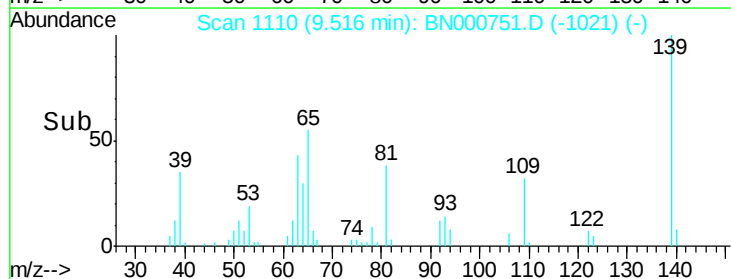
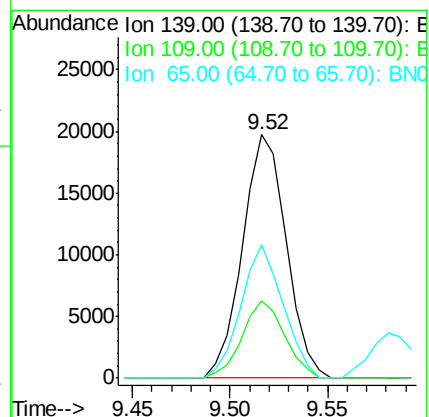
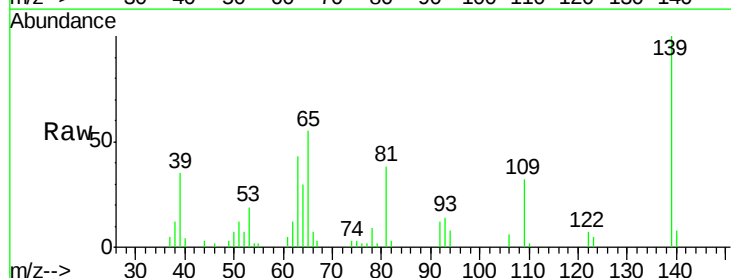
Tgt Ion: 139 Resp: 30631

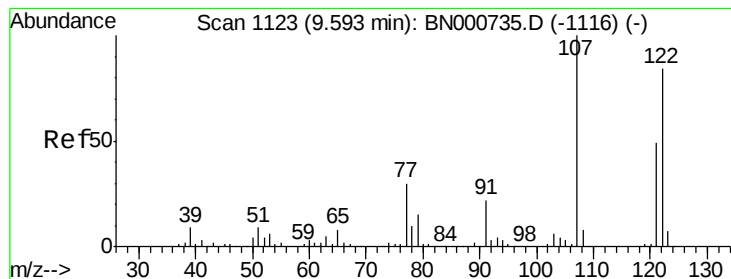
Ion Ratio Lower Upper

139 100

109 31.7 24.2 36.2

65 55.1 47.4 71.0





#27

2,4-Dimethylphenol

Concen: 7.491 ng

RT: 9.58 min Scan# 1121

Delta R.T. -0.01 min

Lab File: BN000751.D

Acq: 18 Apr 2018 21:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

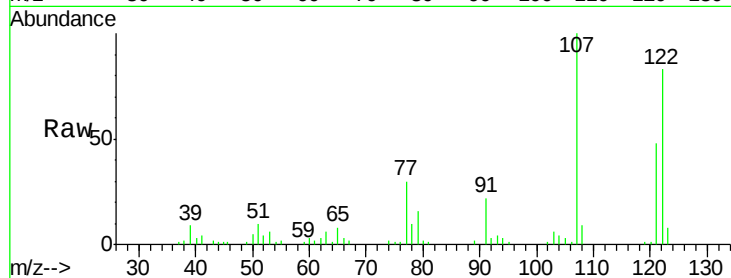
Tot Ion:122 Resp: 57773

Ion Ratio Lower Upper

122 100

107 120.4 100.2 150.2

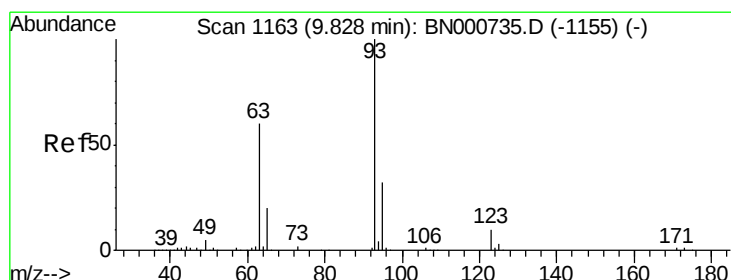
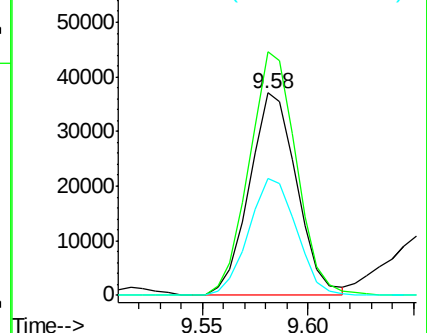
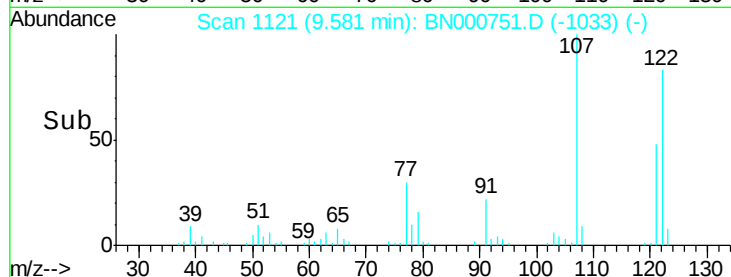
121 58.1 44.4 66.6



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 7.726 ng

RT: 9.82 min Scan# 1162

Delta R.T. -0.01 min

Lab File: BN000751.D

Acq: 18 Apr 2018 21:58

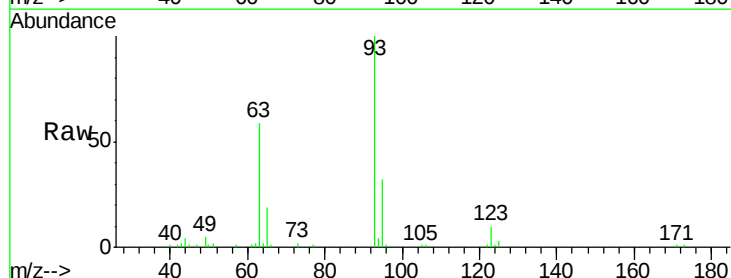
Tgt Ion: 93 Resp: 98151

Ion Ratio Lower Upper

93 100

95 32.3 24.3 36.5

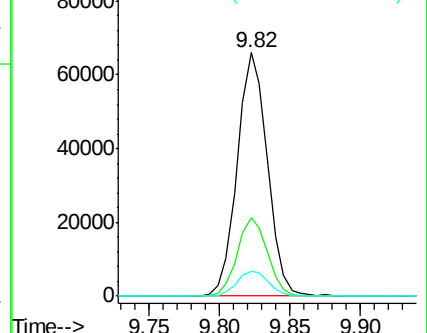
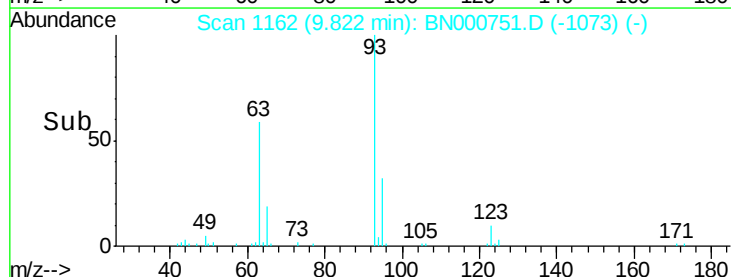
123 9.9 8.4 12.6

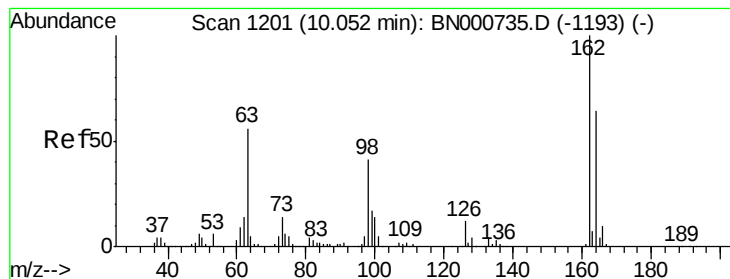


Abundance Ion 93.00 (92.70 to 93.70): BNC

Ion 95.00 (94.70 to 95.70): BNC

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 7.274 ng

RT: 10.05 min Scan# 1200

Delta R.T. -0.01 min

Lab File: BN000751.D

Acq: 18 Apr 2018 21:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

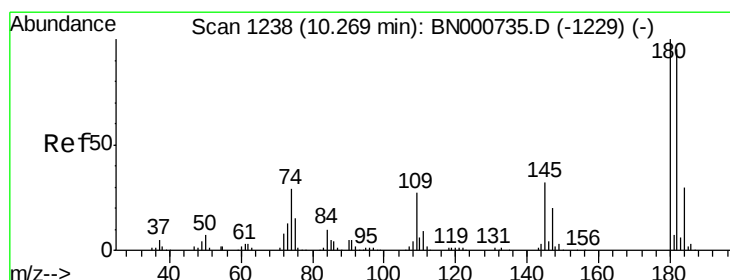
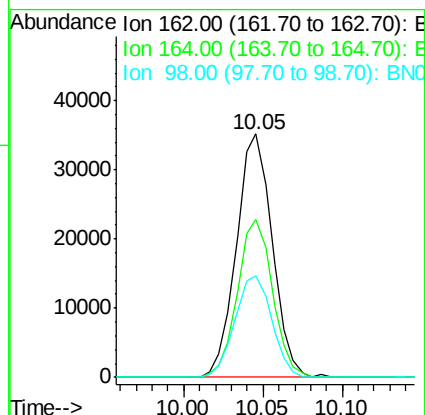
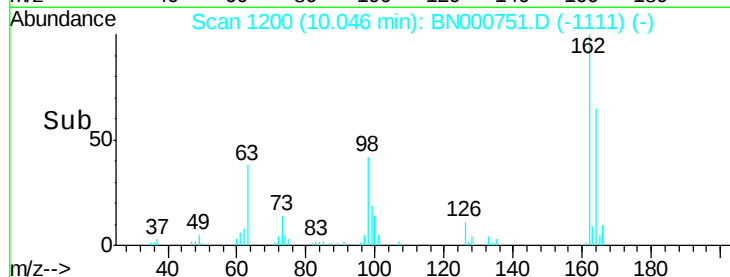
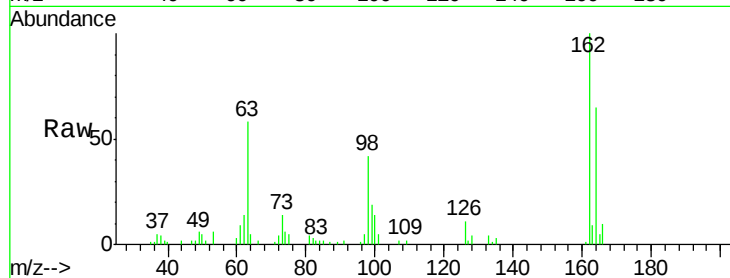
Tot Ion:162 Resp: 55244

Ion Ratio Lower Upper

162 100

164 65.1 48.0 88.0

98 41.8 21.1 61.1



#30

1,2,4-Trichlorobenzene

Concen: 7.879 ng

RT: 10.26 min Scan# 1237

Delta R.T. -0.01 min

Lab File: BN000751.D

Acq: 18 Apr 2018 21:58

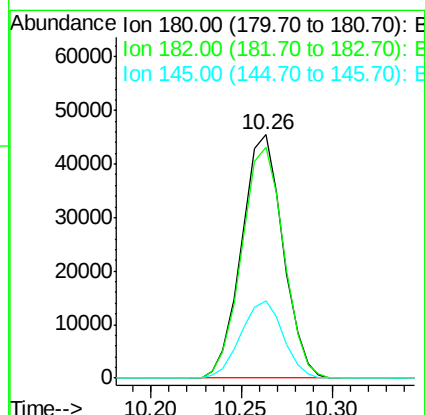
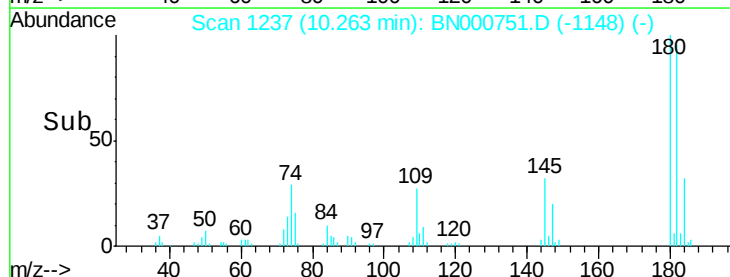
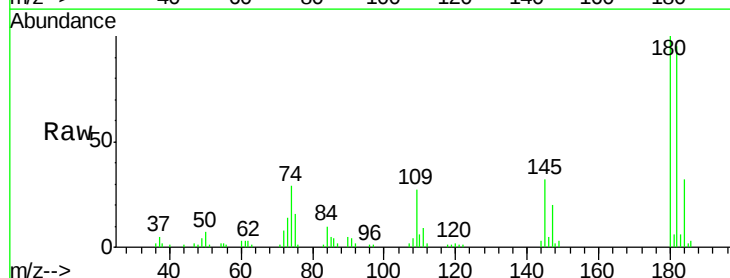
Tgt Ion:180 Resp: 72123

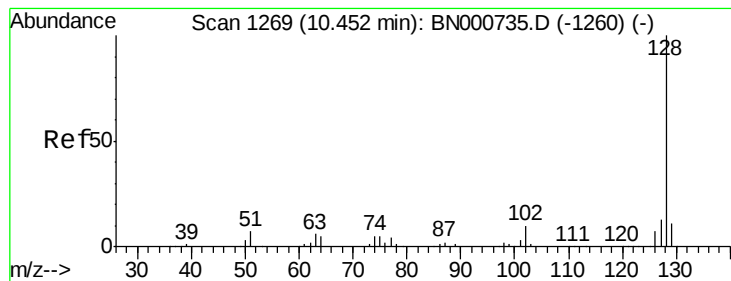
Ion Ratio Lower Upper

180 100

182 94.8 77.5 116.3

145 32.0 23.4 35.2





#31

Naphthalene

Concen: 7.983 ng

RT: 10.45 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BN000751.D

Acq: 18 Apr 2018 21:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

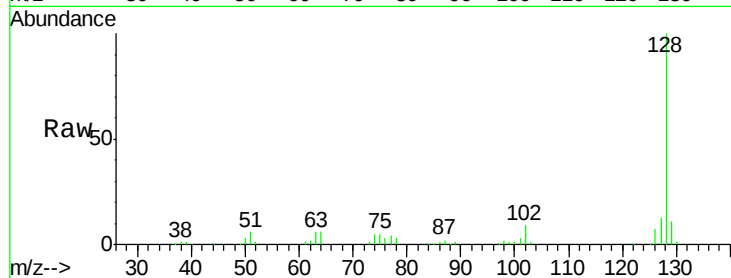
Tot Ion:128 Resp: 240634

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

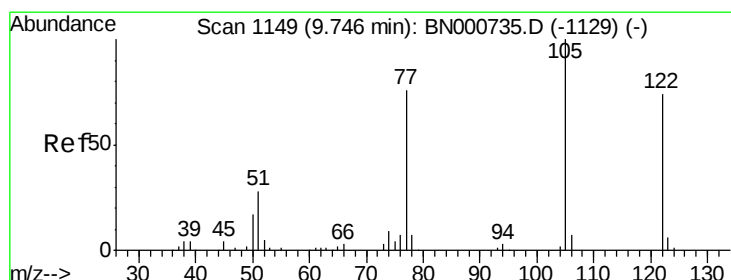
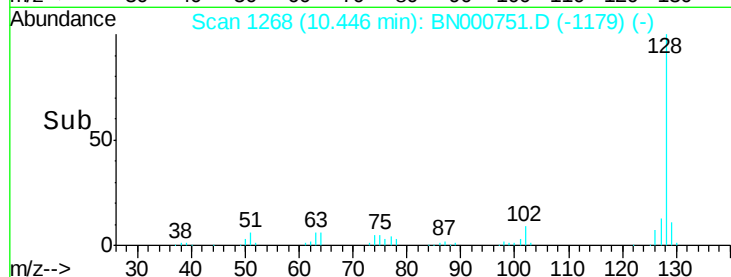
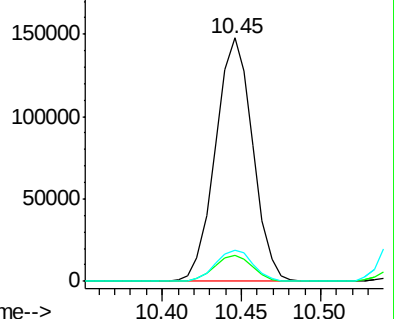
127 13.0 11.6 17.4



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: 8.514 ng

RT: 9.66 min Scan# 1134

Delta R.T. -0.09 min

Lab File: BN000751.D

Acq: 18 Apr 2018 21:58

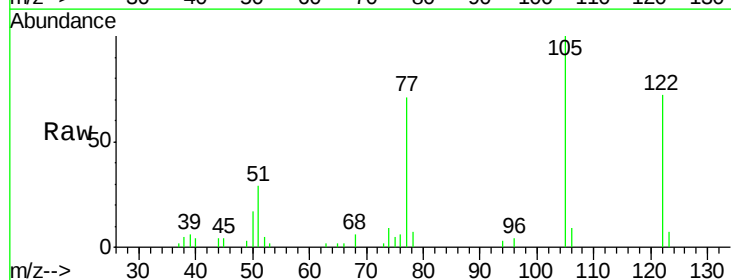
Tgt Ion:122 Resp: 31249

Ion Ratio Lower Upper

122 100

105 138.2 123.5 163.5

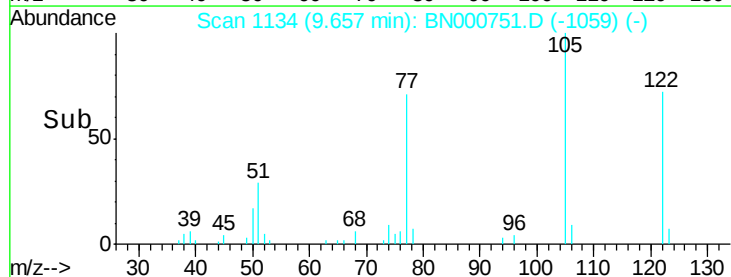
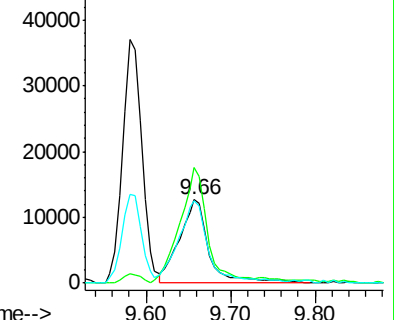
77 98.3 85.7 125.7

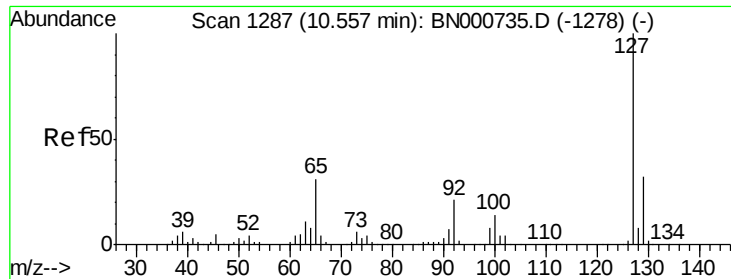


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BNC

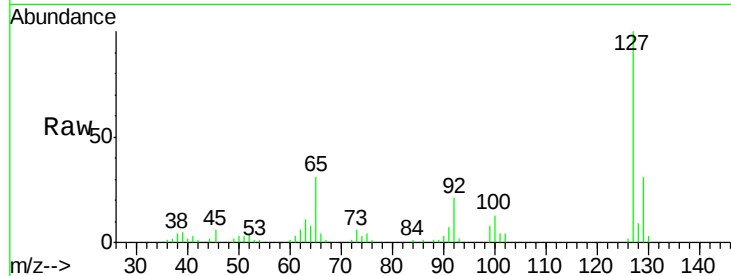




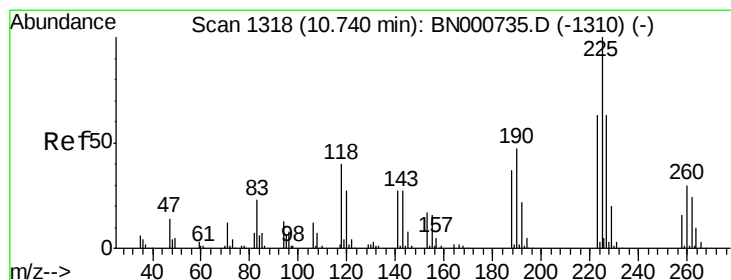
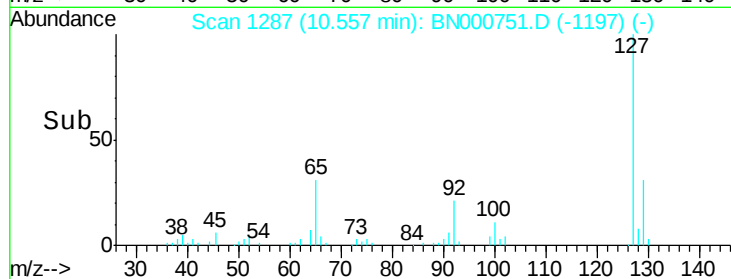
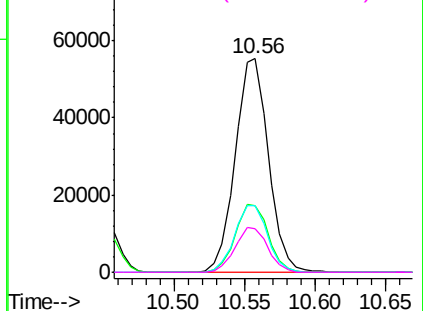
#33
4-Chloroaniline
Concen: 7.392 ng
RT: 10.56 min Scan# 1287
Delta R.T. -0.00 min
Lab File: BN000751.D
Acq: 18 Apr 2018 21:58

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

Tot Ion:	127	Resp:	90977
Ion	Ratio	Lower	Upper
127	100		
129	31.3	24.0	36.0
65	31.3	27.0	40.4
92	20.6	16.6	25.0

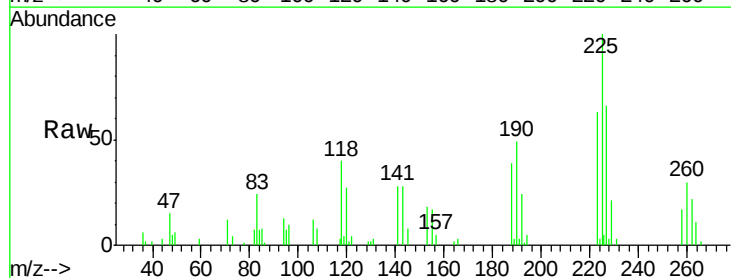


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BNC
Ion 92.00 (91.70 to 92.70): BNC

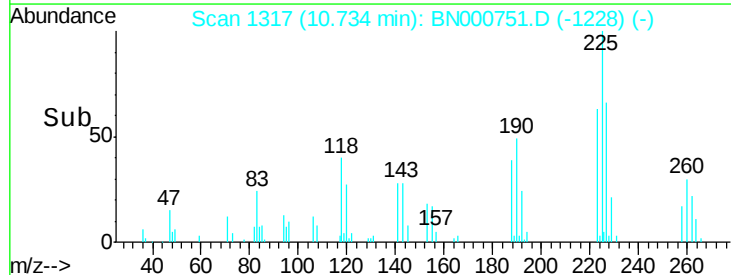
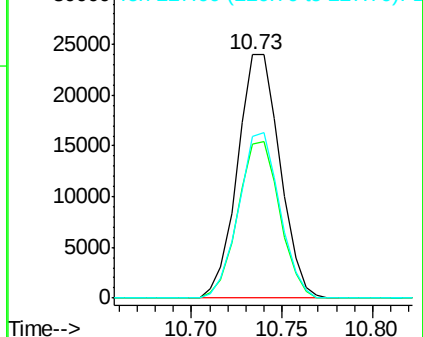


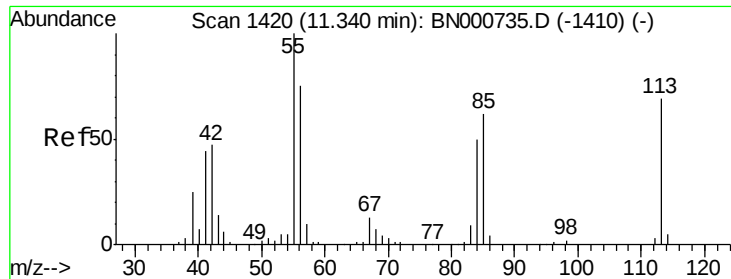
#34
Hexachlorobutadiene
Concen: 7.853 ng
RT: 10.73 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BN000751.D
Acq: 18 Apr 2018 21:58

Tgt Ion:	225	Resp:	39043
Ion	Ratio	Lower	Upper
225	100		
223	63.0	49.7	74.5
227	66.3	48.1	72.1



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: 5.286 ng

RT: 11.30 min Scan# 1413

Delta R.T. -0.04 min

Lab File: BN000751.D

Acq: 18 Apr 2018 21:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

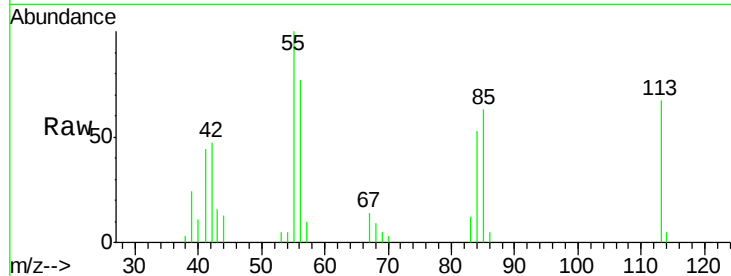
Tot Ion:113 Resp: 13890

Ion Ratio Lower Upper

113 100

55 149.9 120.0 160.0

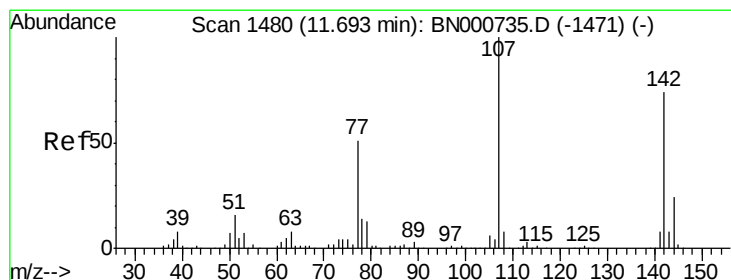
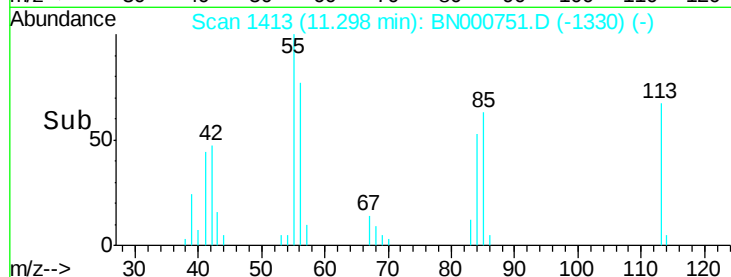
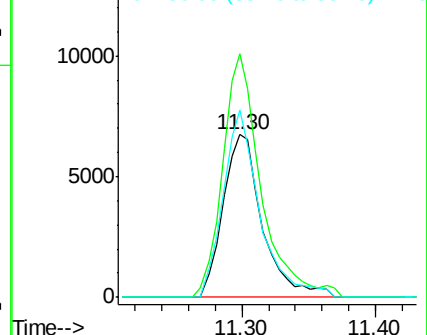
56 115.1 90.0 130.0



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: 7.012 ng

RT: 11.68 min Scan# 1478

Delta R.T. -0.01 min

Lab File: BN000751.D

Acq: 18 Apr 2018 21:58

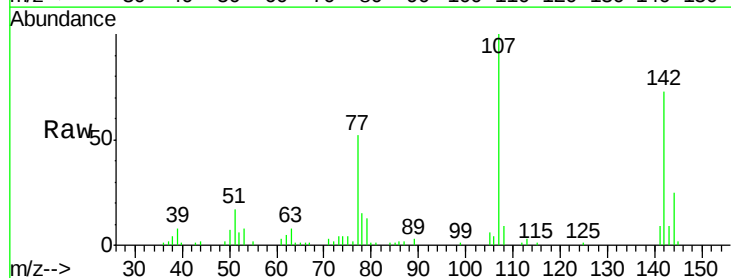
Tgt Ion:107 Resp: 62875

Ion Ratio Lower Upper

107 100

144 24.5 18.2 27.4

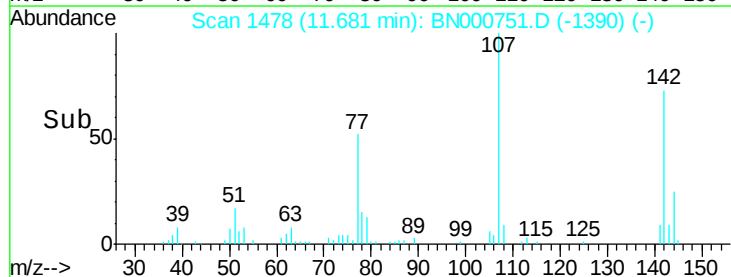
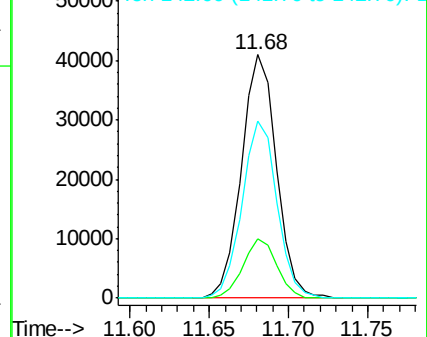
142 72.9 59.0 88.4

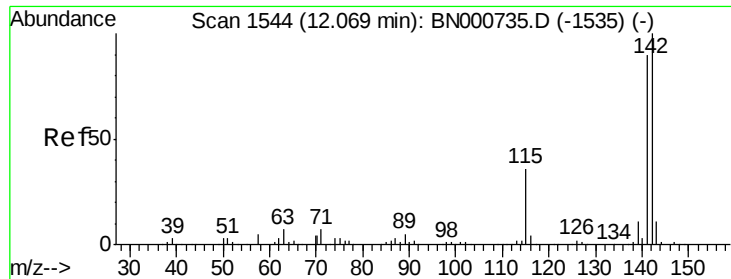


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

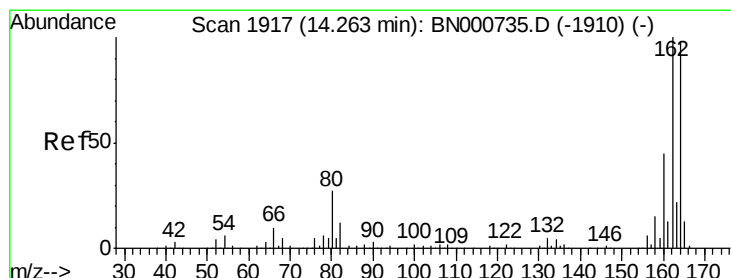
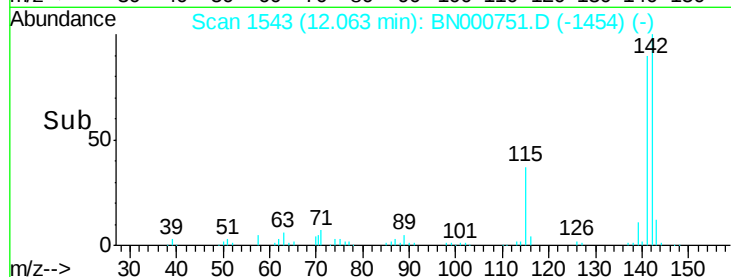
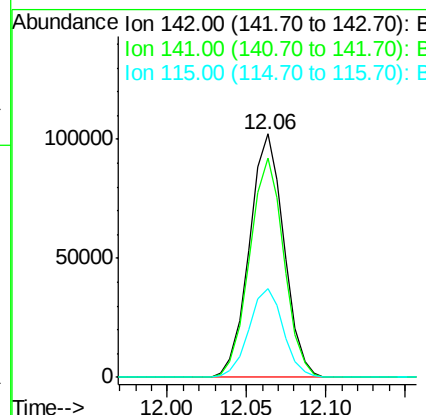
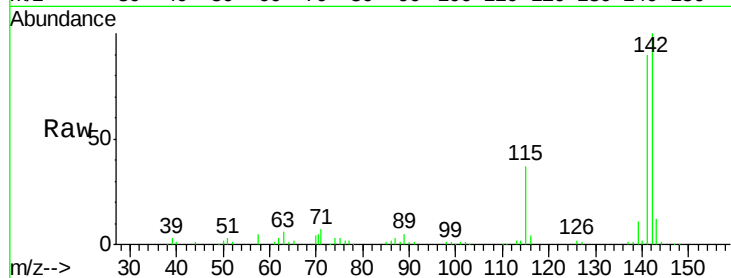




#37
2-Methylnaphthalene
Concen: 7.868 ng
RT: 12.06 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BN000751.D
Acq: 18 Apr 2018 21:58

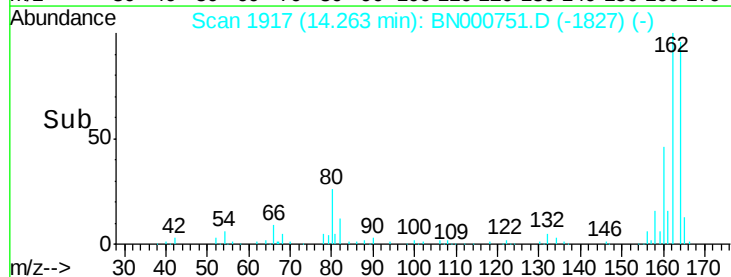
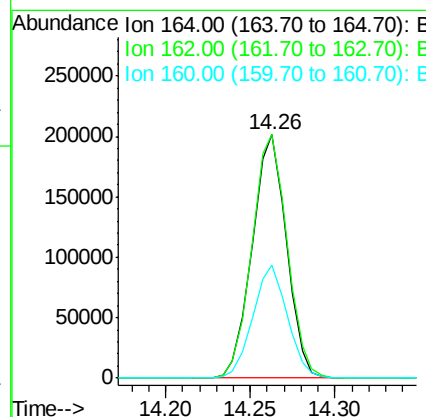
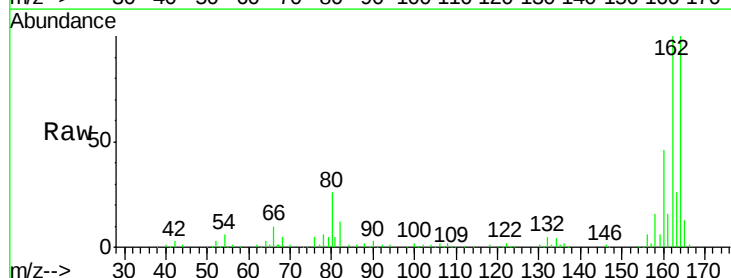
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

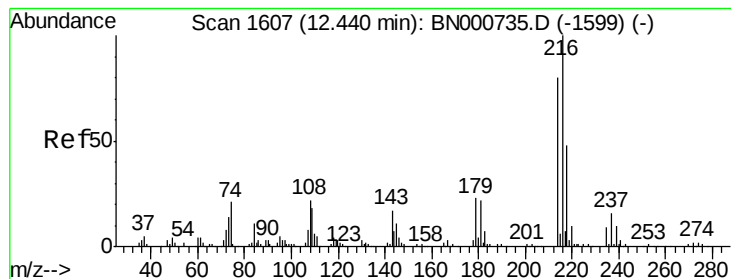
Tot Ion:142 Resp: 155355
Ion Ratio Lower Upper
142 100
141 90.0 67.1 100.7
115 36.5 30.7 46.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.26 min Scan# 1917
Delta R.T. -0.00 min
Lab File: BN000751.D
Acq: 18 Apr 2018 21:58

Tgt Ion:164 Resp: 284779
Ion Ratio Lower Upper
164 100
162 100.1 78.8 118.2
160 46.3 35.4 53.0





#39

1,2,4,5-Tetrachlorobenzene

Concen: 8.147 ng

RT: 12.43 min Scan# 1606

Delta R.T. -0.01 min

Lab File: BN000751.D

Acq: 18 Apr 2018 21:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion:216 Resp: 71951

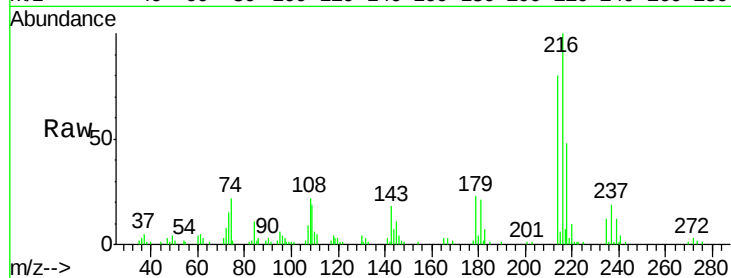
Ion Ratio Lower Upper

216 100

214 78.8 63.0 94.4

179 22.5 17.0 25.6

108 23.6 12.8 19.2#

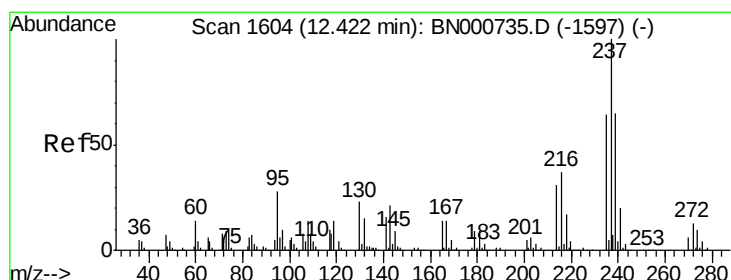
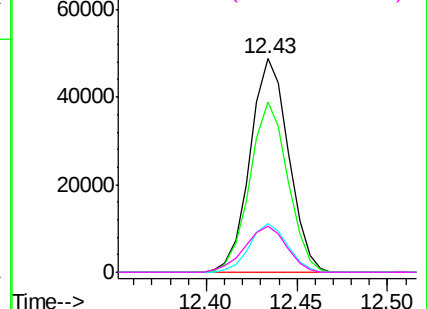
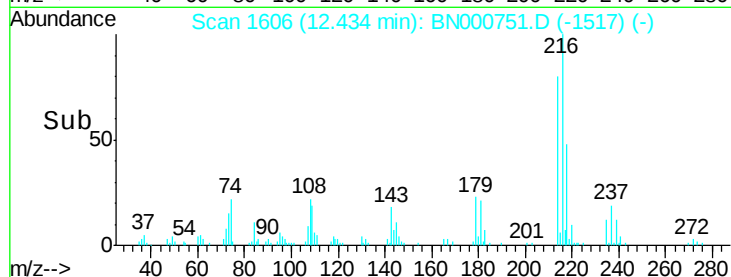


Abundance Ion 216.00 (215.70 to 216.70): E

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



#40

Hexachlorocyclopentadiene

Concen: 7.150 ng

RT: 12.42 min Scan# 1604

Delta R.T. -0.00 min

Lab File: BN000751.D

Acq: 18 Apr 2018 21:58

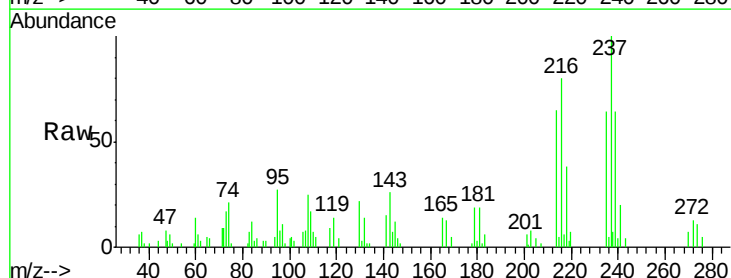
Tgt Ion:237 Resp: 37033

Ion Ratio Lower Upper

237 100

235 63.6 50.4 90.4

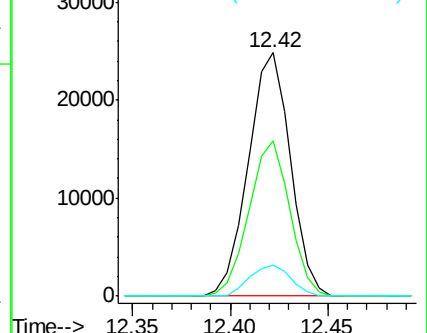
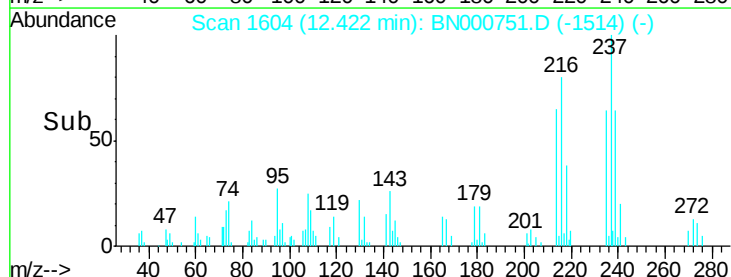
272 12.7 0.0 31.8

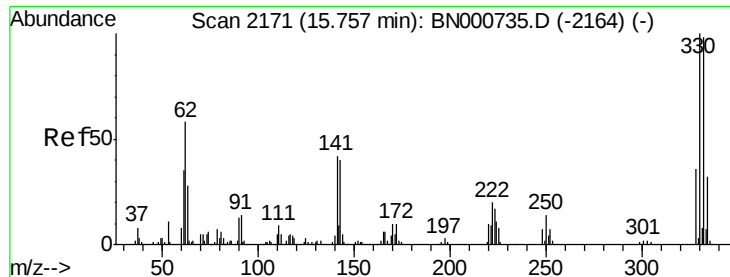


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

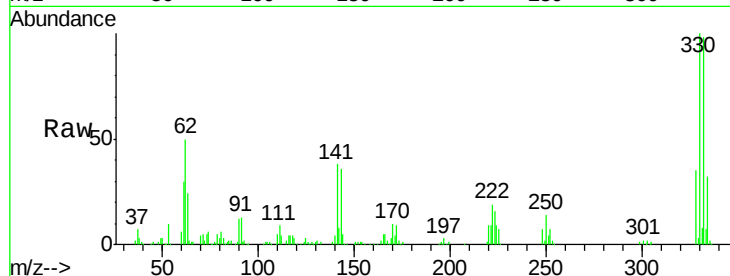




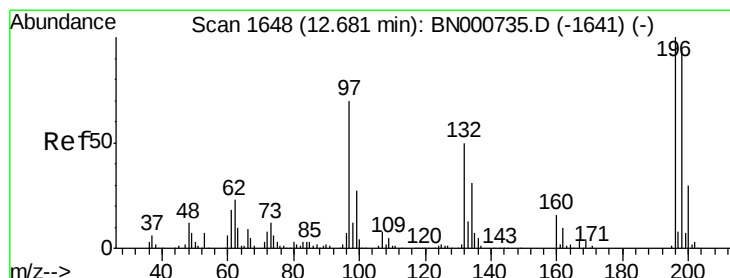
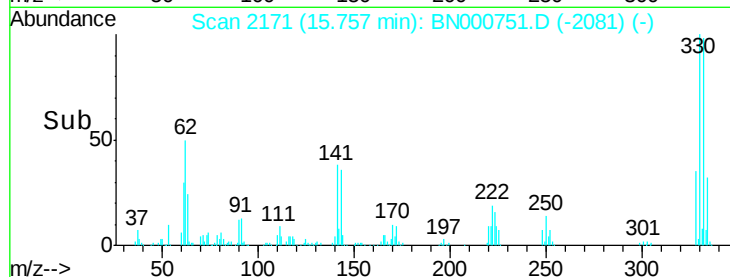
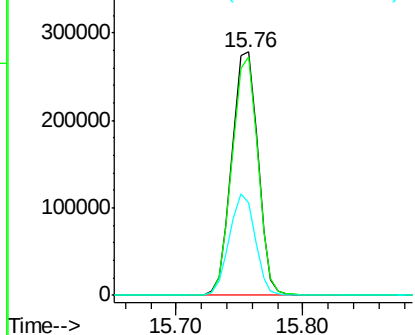
#41
 2,4,6-Tribromophenol
 Concen: 138.496 ng
 RT: 15.76 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: BN000751.D
 Acq: 18 Apr 2018 21:58

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

Tot Ion:330 Resp: 397054
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.0 115.6
 141 41.0 25.2 37.8#

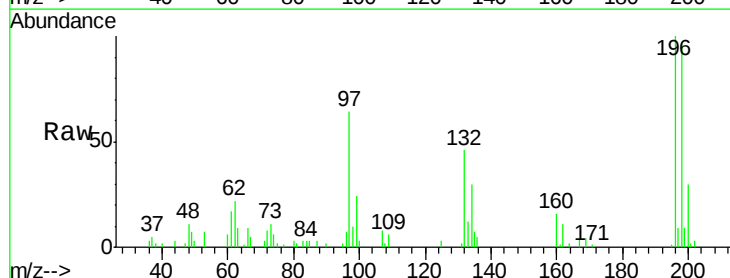


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

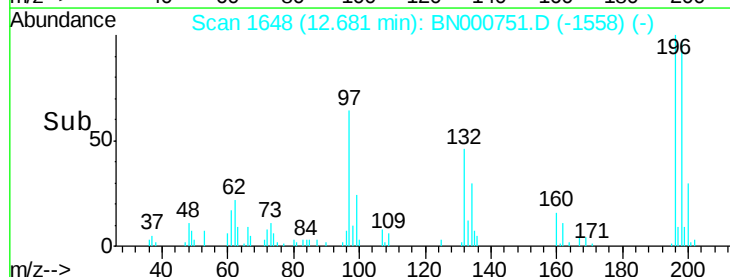
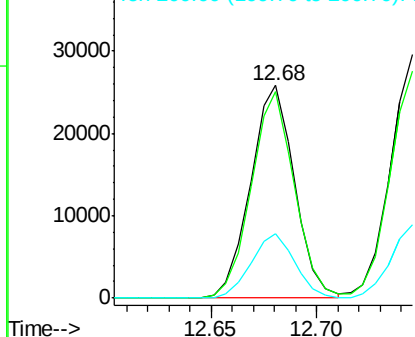


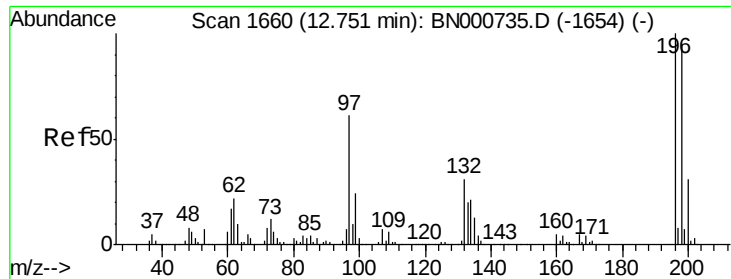
#42
 2,4,6-Trichlorophenol
 Concen: 6.971 ng
 RT: 12.68 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: BN000751.D
 Acq: 18 Apr 2018 21:58

Tgt Ion:196 Resp: 37343
 Ion Ratio Lower Upper
 196 100
 198 97.3 78.2 117.2
 200 30.4 24.6 36.8



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

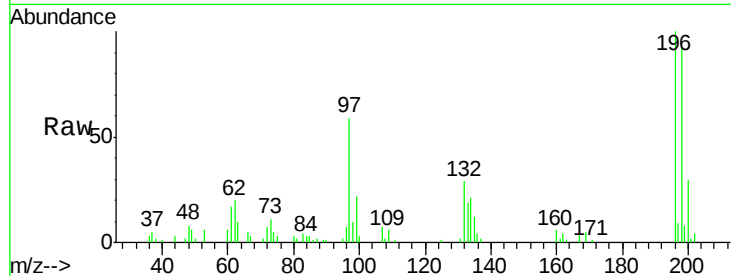




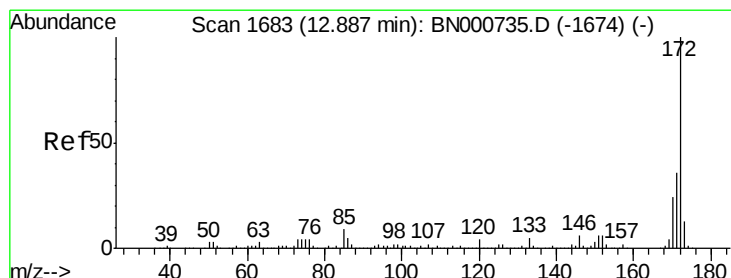
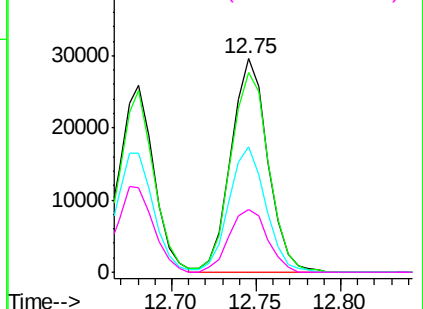
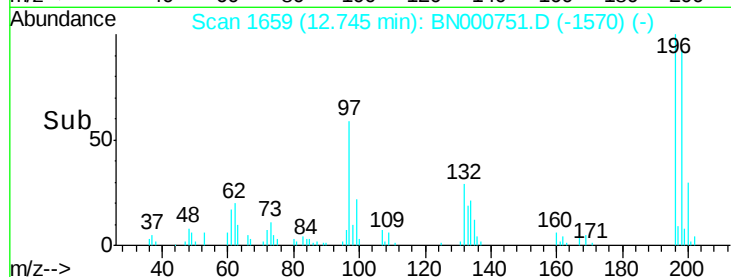
#43
2,4,5-Trichlorophenol
Concen: 7.266 ng
RT: 12.75 min Scan# 1659
Delta R.T. -0.01 min
Lab File: BN000751.D
Acq: 18 Apr 2018 21:58

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

Tot Ion:196 Resp: 44952
Ion Ratio Lower Upper
196 100
198 93.3 76.2 114.4
97 58.7 38.7 58.1#
132 29.2 20.2 30.2

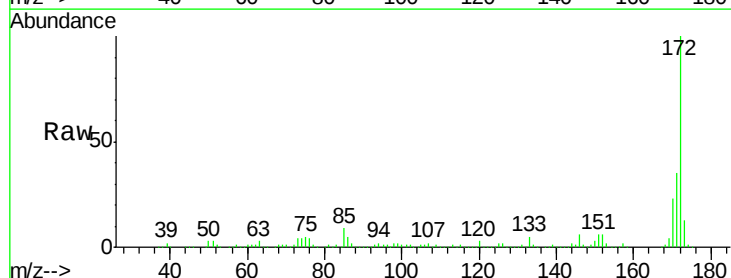


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BNC
Ion 132.00 (131.70 to 132.70): E

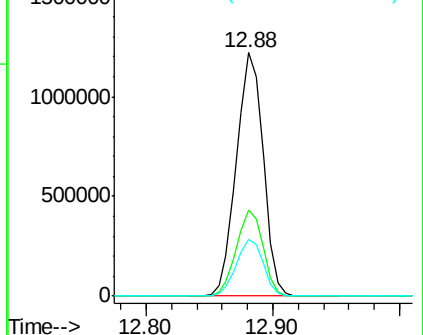
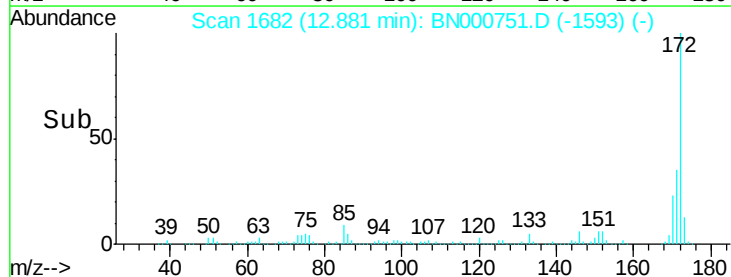


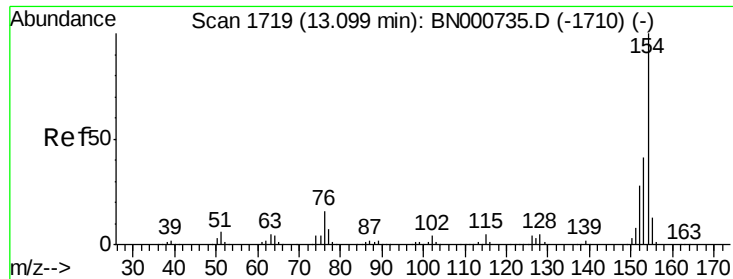
#44
2-Fluorobiphenyl
Concen: 86.661 ng
RT: 12.88 min Scan# 1682
Delta R.T. -0.01 min
Lab File: BN000751.D
Acq: 18 Apr 2018 21:58

Tgt Ion:172 Resp: 1787754
Ion Ratio Lower Upper
172 100
171 35.3 30.0 45.0
170 23.3 19.5 29.3



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

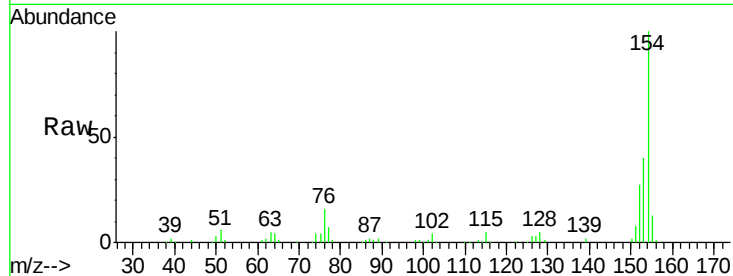




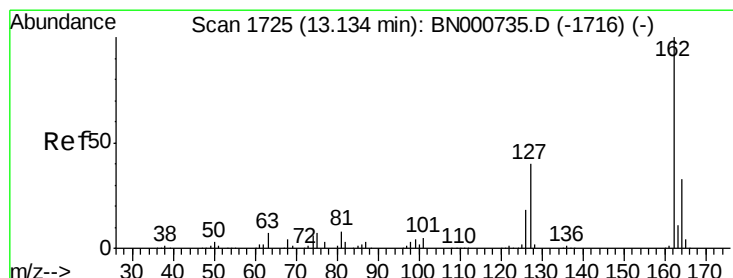
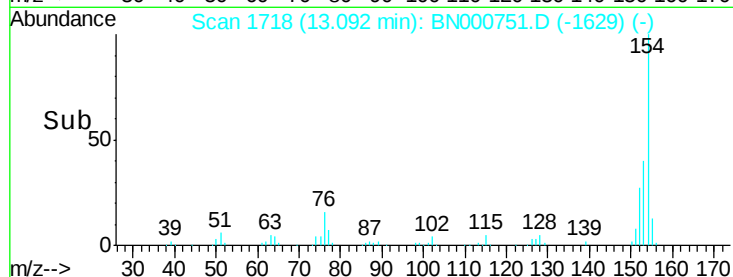
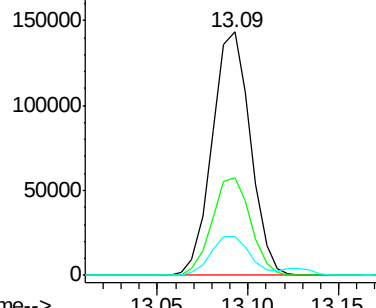
#45
1,1'-Biphenyl
Concen: 8.238 ng
RT: 13.09 min Scan# 1718
Delta R.T. -0.01 min
Lab File: BN000751.D
Acq: 18 Apr 2018 21:58

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.2	19.8	59.8
76	15.7	0.0	31.9

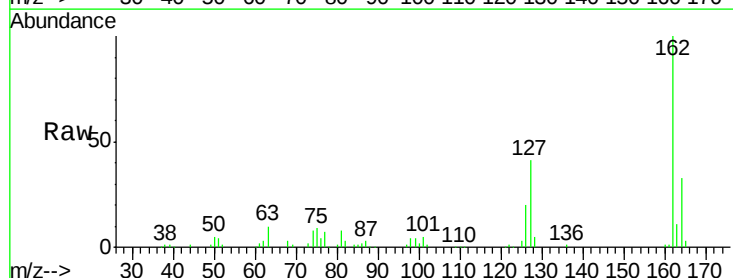


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BNC

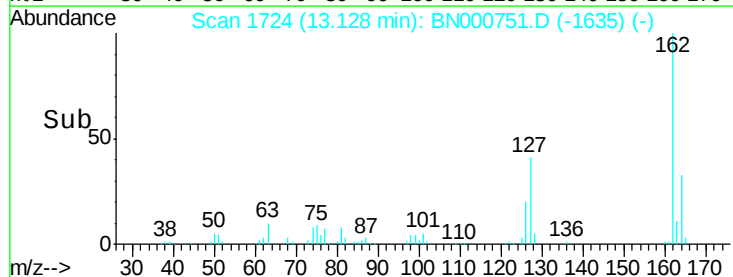
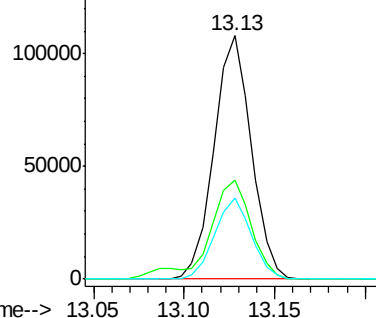


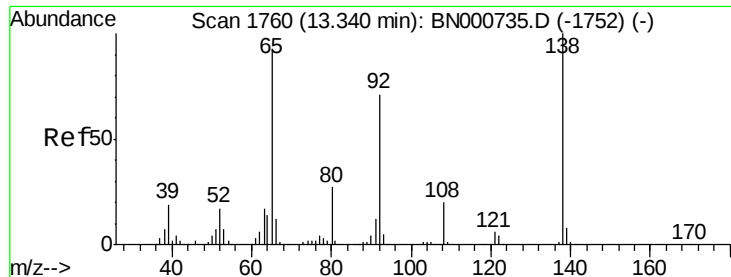
#46
2-Chloronaphthalene
Concen: 8.052 ng
RT: 13.13 min Scan# 1724
Delta R.T. -0.01 min
Lab File: BN000751.D
Acq: 18 Apr 2018 21:58

Tgt Ion	Ratio	Lower	Upper
162	100		
127	40.8	30.7	46.1
164	33.3	26.0	39.0



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 5.860 ng

RT: 13.33 min Scan# 1759

Delta R.T. -0.01 min

Lab File: BN000751.D

Acq: 18 Apr 2018 21:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

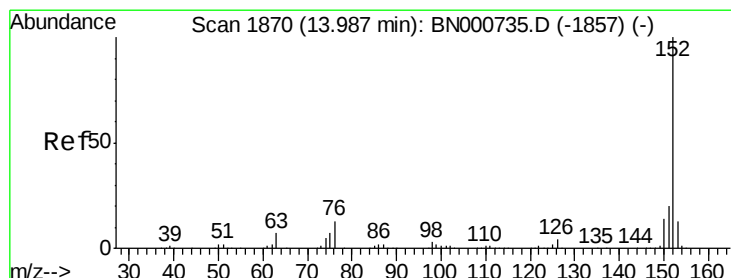
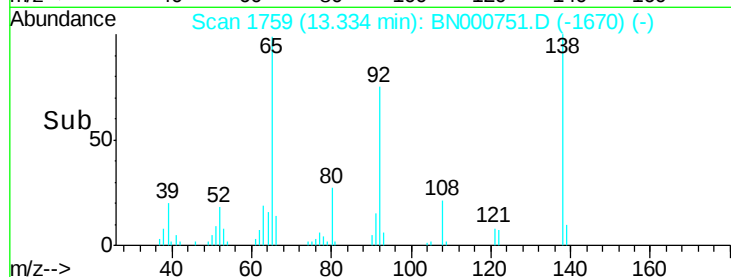
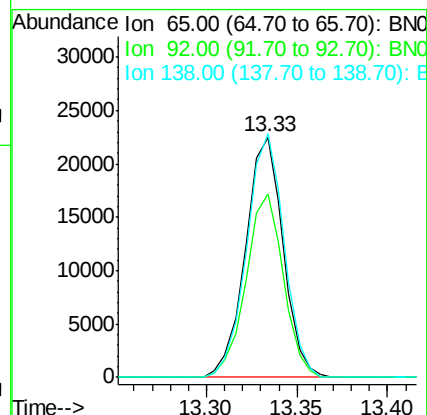
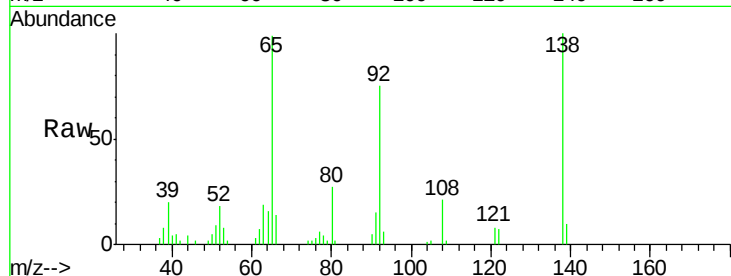
Tot Ion: 65 Resp: 32488

Ion Ratio Lower Upper

65 100

92 76.3 54.6 82.0

138 101.3 72.9 109.3



#48

Acenaphthylene

Concen: 7.866 ng

RT: 13.97 min Scan# 1868

Delta R.T. -0.01 min

Lab File: BN000751.D

Acq: 18 Apr 2018 21:58

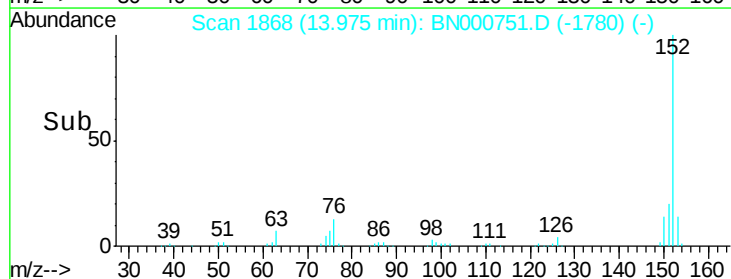
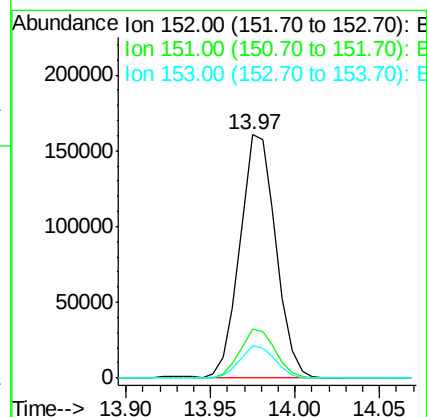
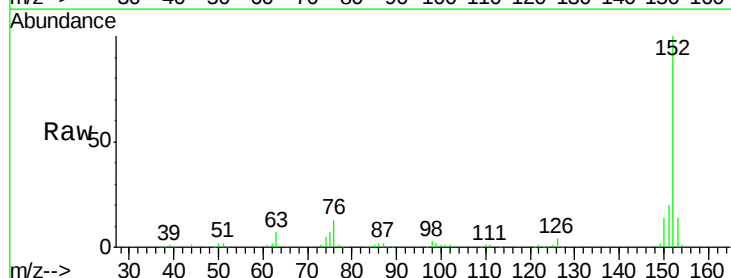
Tgt Ion: 152 Resp: 238329

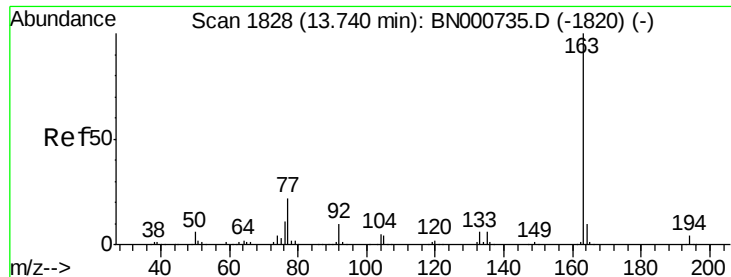
Ion Ratio Lower Upper

152 100

151 20.0 17.2 25.8

153 13.5 10.2 15.4

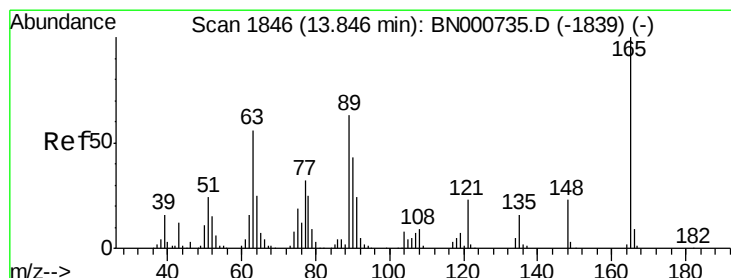
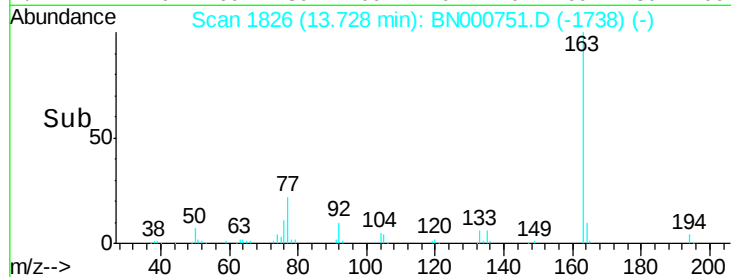
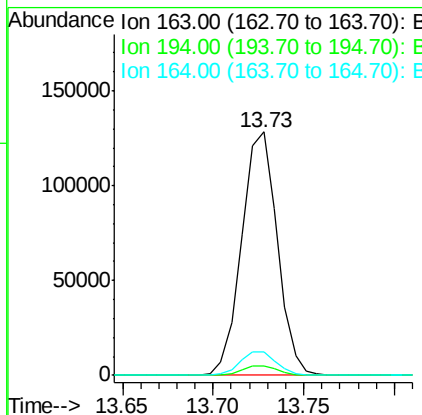
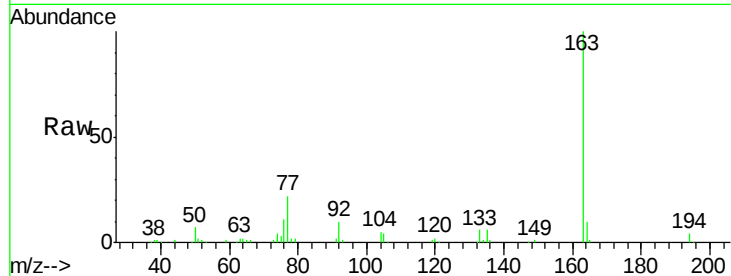




#49
Dimethylphthalate
Concen: 7.712 ng
RT: 13.73 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BN000751.D
Acq: 18 Apr 2018 21:58

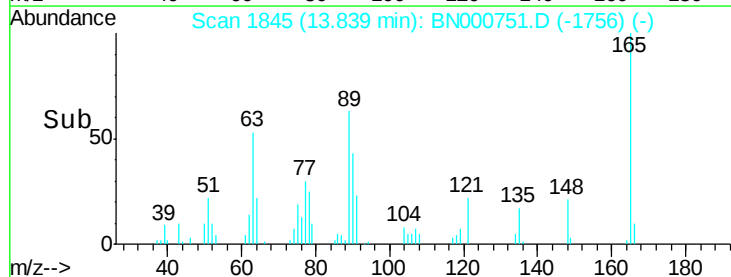
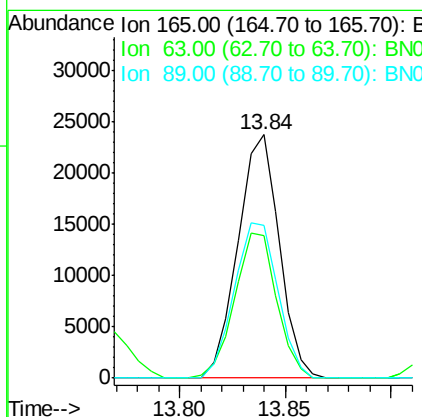
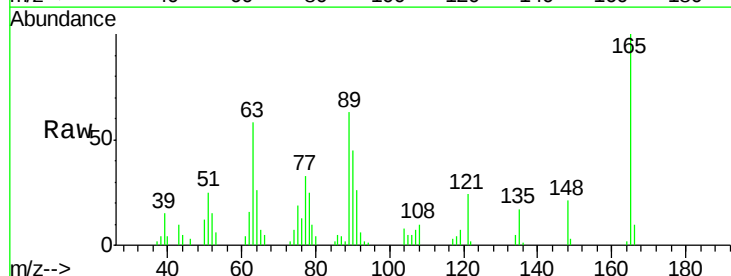
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

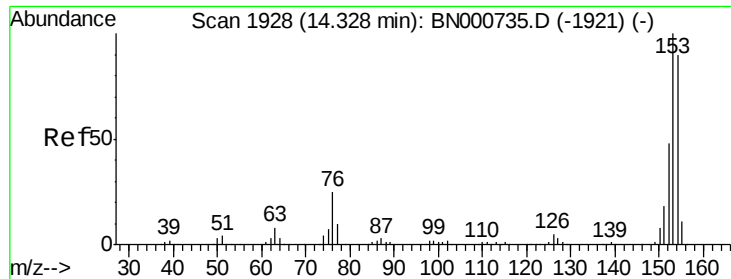
Tot Ion:163 Resp: 175518
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.2
164 9.7 8.2 12.4



#50
2,6-Dinitrotoluene
Concen: 6.692 ng
RT: 13.84 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BN000751.D
Acq: 18 Apr 2018 21:58

Tgt Ion:165 Resp: 32258
Ion Ratio Lower Upper
165 100
63 58.4 52.7 79.1
89 62.8 49.2 73.8





#51

Acenaphthene

Concen: 7.909 ng

RT: 14.32 min Scan# 1927

Delta R.T. -0.01 min

Lab File: BN000751.D

Acq: 18 Apr 2018 21:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

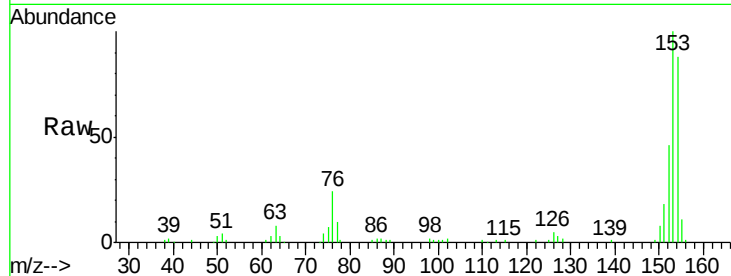
Tot Ion:154 Resp: 146065

Ion Ratio Lower Upper

154 100

153 113.9 90.4 135.6

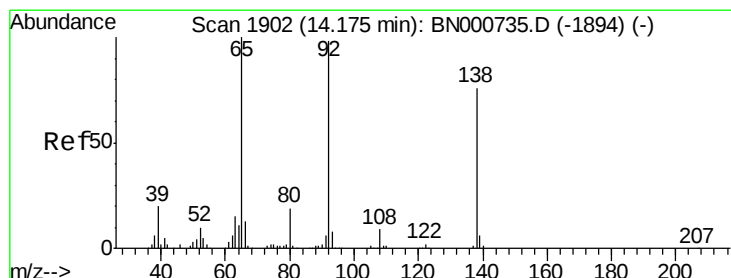
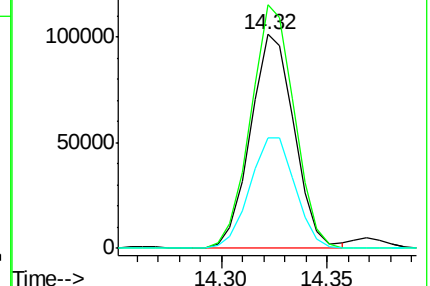
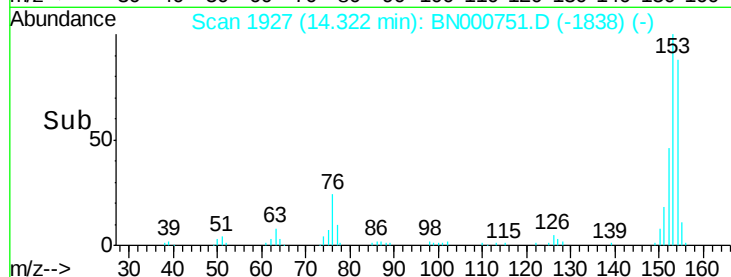
152 52.0 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 6.201 ng

RT: 14.16 min Scan# 1900

Delta R.T. -0.01 min

Lab File: BN000751.D

Acq: 18 Apr 2018 21:58

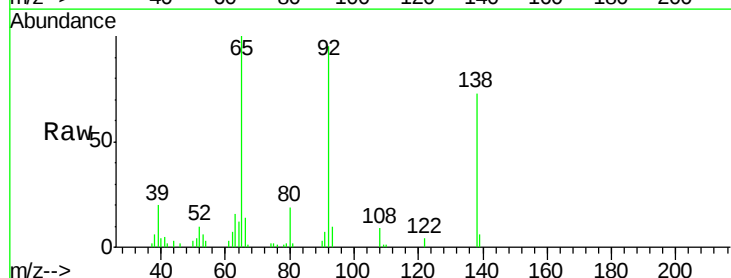
Tgt Ion:138 Resp: 34017

Ion Ratio Lower Upper

138 100

108 12.0 17.5 26.3#

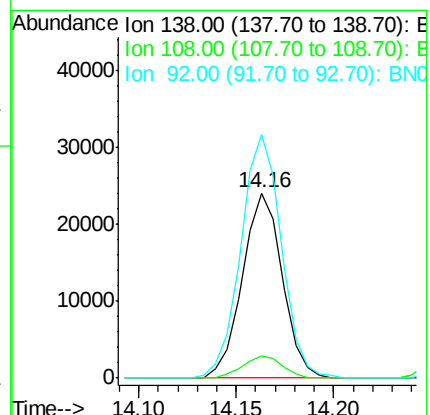
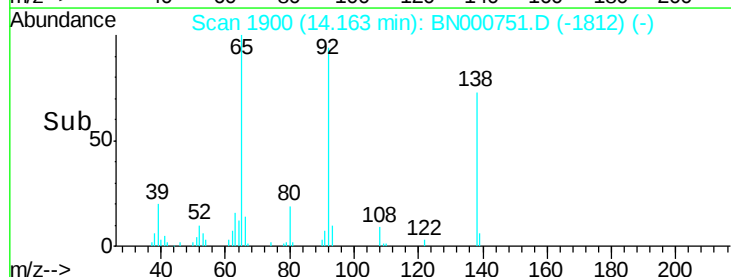
92 131.5 105.8 158.8

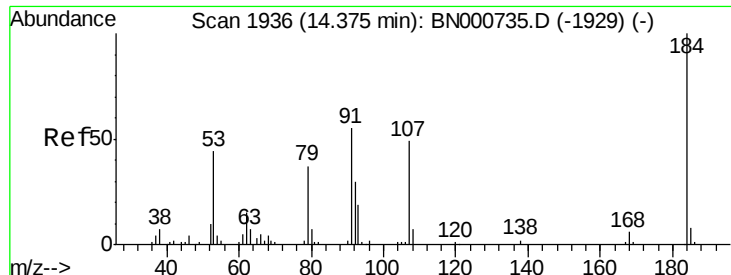


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BNC

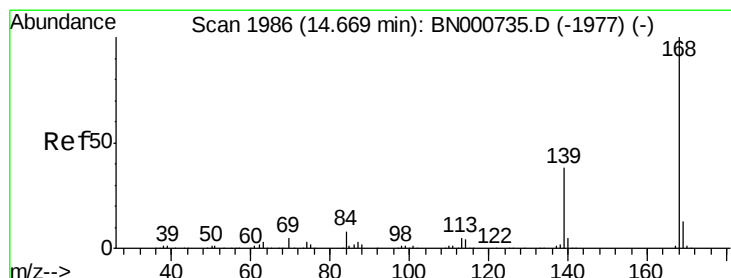
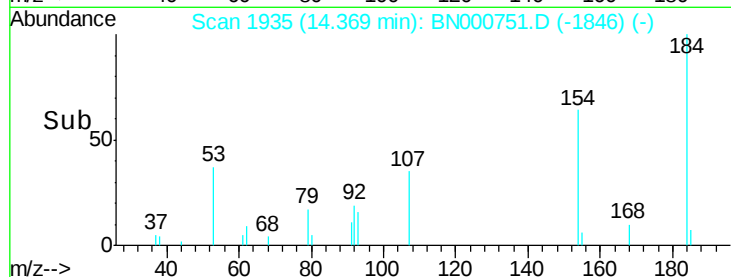
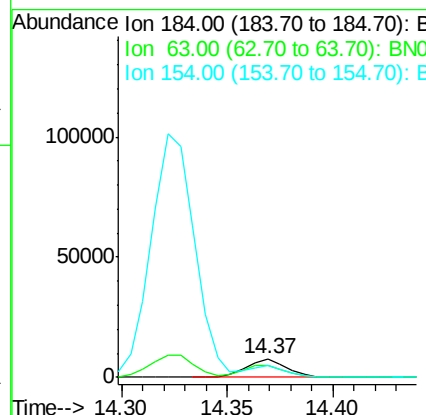
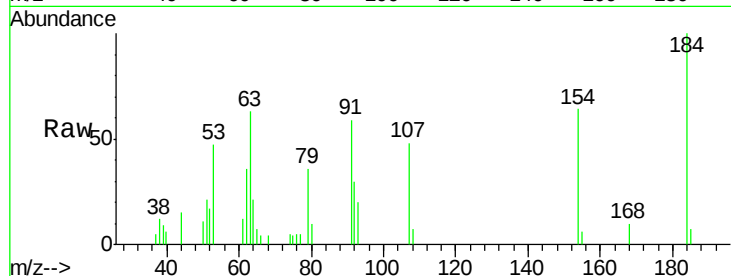




#53
 2,4-Dinitrophenol
 Concen: 9.475 ng
 RT: 14.37 min Scan# 1935
 Delta R.T. -0.01 min
 Lab File: BN000751.D
 Acq: 18 Apr 2018 21:58

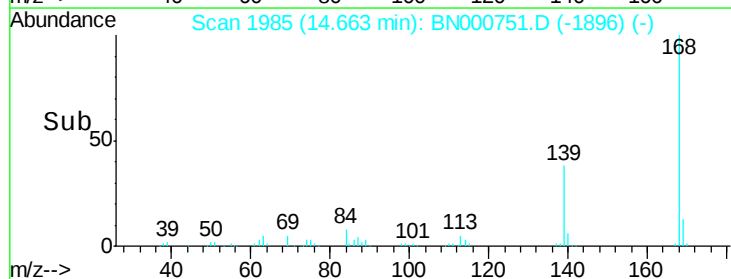
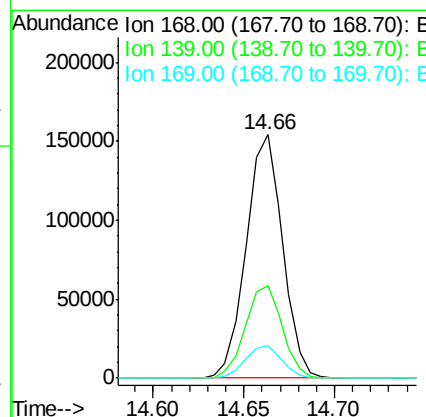
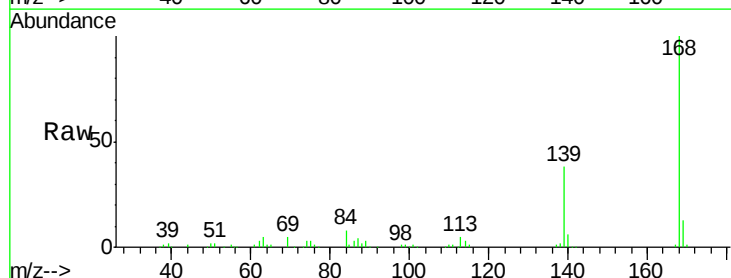
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

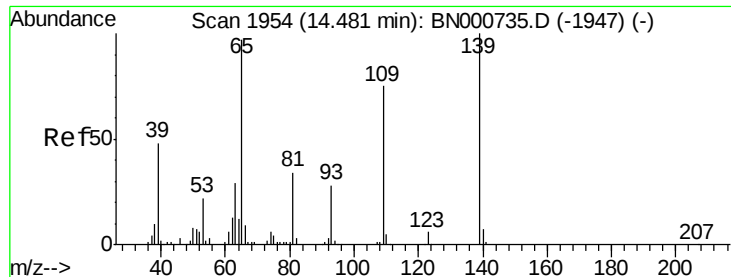
Tot Ion:184 Resp: 10203
 Ion Ratio Lower Upper
 184 100
 63 63.1 56.0 84.0
 154 63.6 48.0 72.0



#54
 Dibenzofuran
 Concen: 7.989 ng
 RT: 14.66 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: BN000751.D
 Acq: 18 Apr 2018 21:58

Tgt Ion:168 Resp: 214757
 Ion Ratio Lower Upper
 168 100
 139 37.9 28.6 43.0
 169 13.1 11.2 16.8

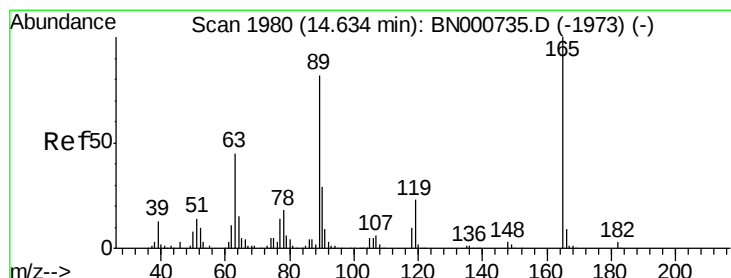
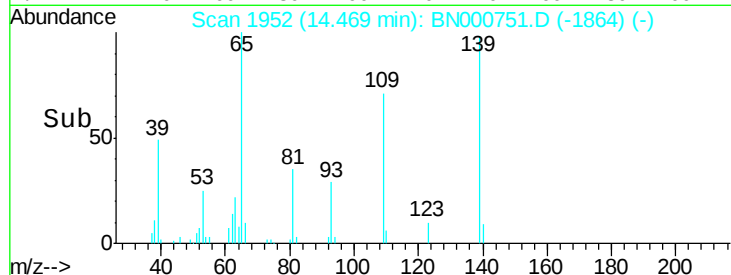
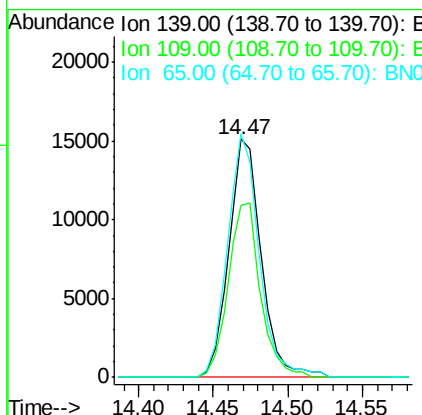
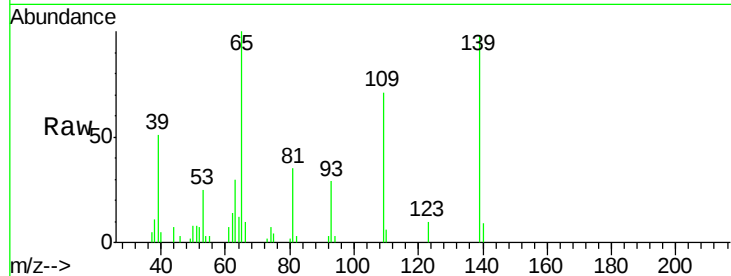




#55
4-Nitrophenol
Concen: 5.650 ng
RT: 14.47 min Scan# 1952
Delta R.T. -0.01 min
Lab File: BN000751.D
Acq: 18 Apr 2018 21:58

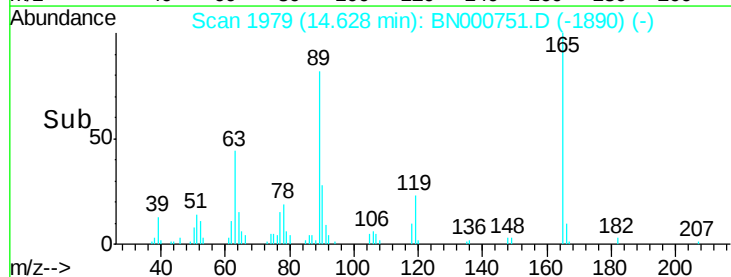
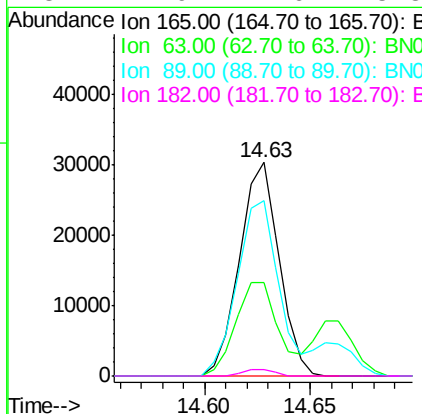
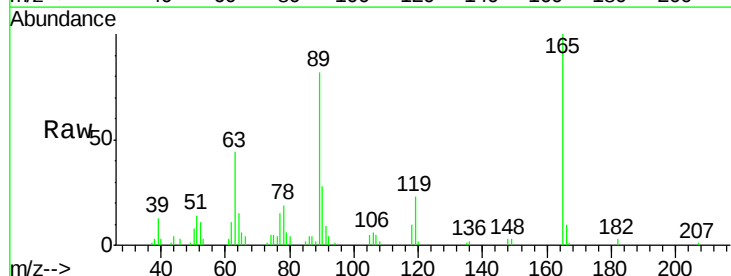
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

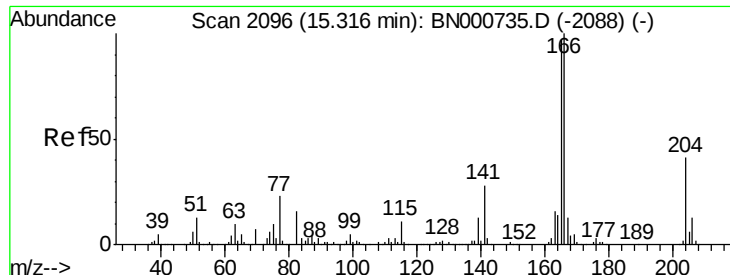
Tot Ion:139 Resp: 23019
Ion Ratio Lower Upper
139 100
109 72.2 62.2 102.2
65 102.1 97.2 137.2



#56
2,4-Dinitrotoluene
Concen: 6.264 ng
RT: 14.63 min Scan# 1979
Delta R.T. -0.01 min
Lab File: BN000751.D
Acq: 18 Apr 2018 21:58

Tgt Ion:165 Resp: 39534
Ion Ratio Lower Upper
165 100
63 43.8 42.0 63.0
89 82.1 66.9 100.3
182 2.9 2.6 3.8





#57

Fluorene

Concen: 7.878 ng

RT: 15.31 min Scan# 2095

Delta R.T. -0.01 min

Lab File: BN000751.D

Acq: 18 Apr 2018 21:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

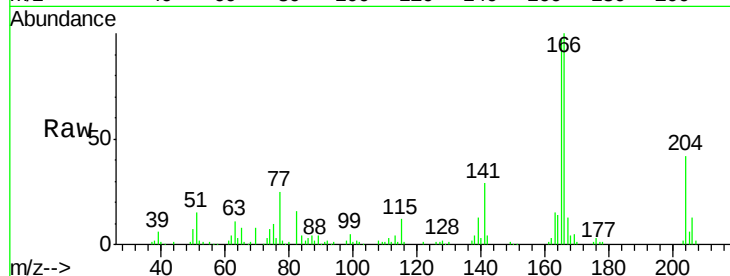
Tot Ion:166 Resp: 167423

Ion Ratio Lower Upper

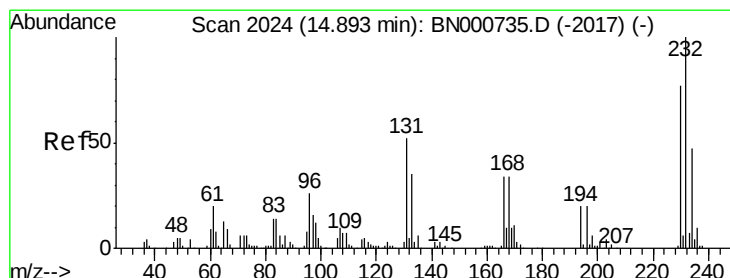
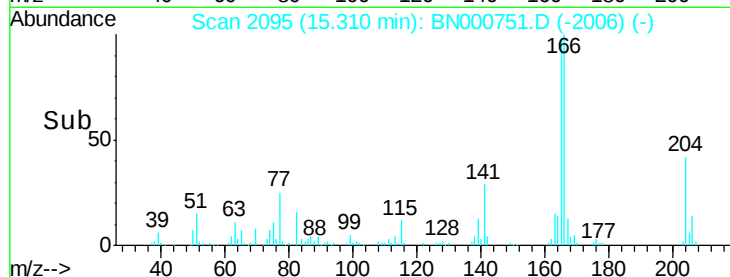
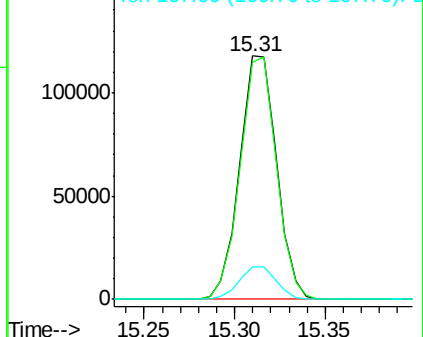
166 100

165 97.3 80.6 121.0

167 13.4 10.4 15.6



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



#58

2,3,4,6-Tetrachlorophenol

Concen: 6.953 ng

RT: 14.89 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BN000751.D

Acq: 18 Apr 2018 21:58

Tgt Ion:232 Resp: 33066

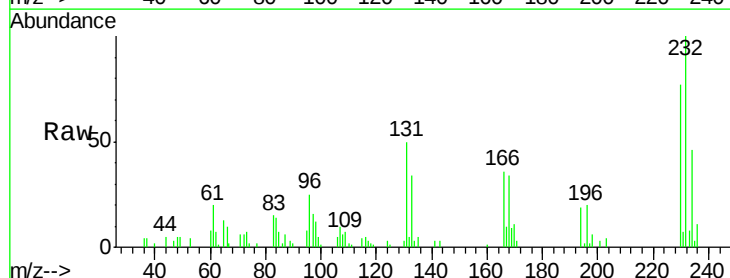
Ion Ratio Lower Upper

232 100

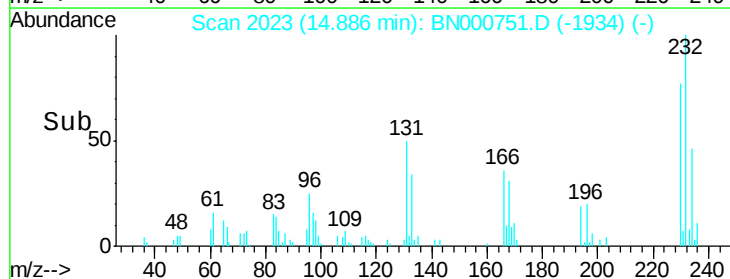
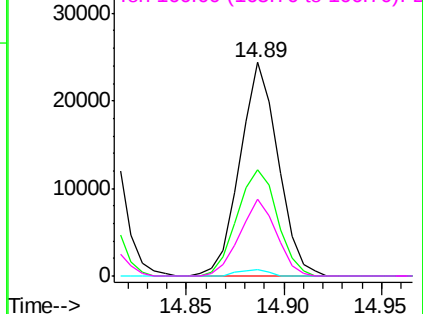
131 52.5 33.5 50.3#

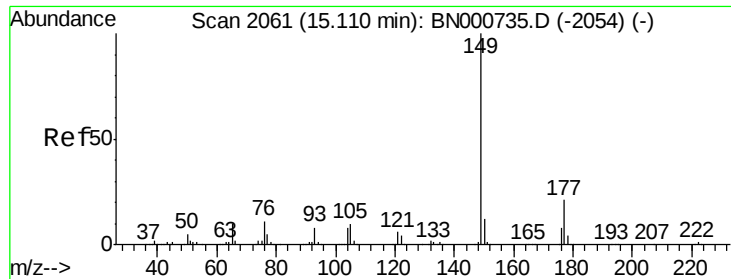
130 2.3 2.2 3.2

166 34.7 24.8 37.2



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

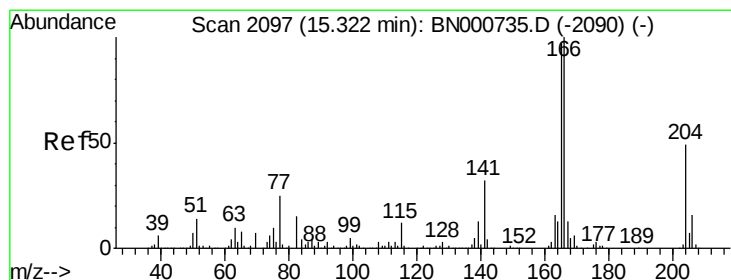
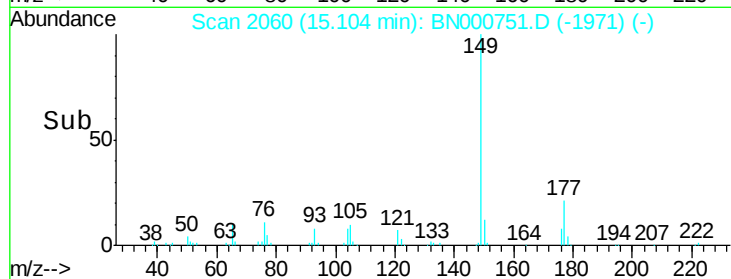
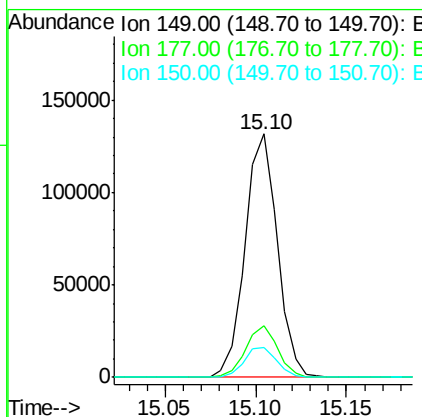
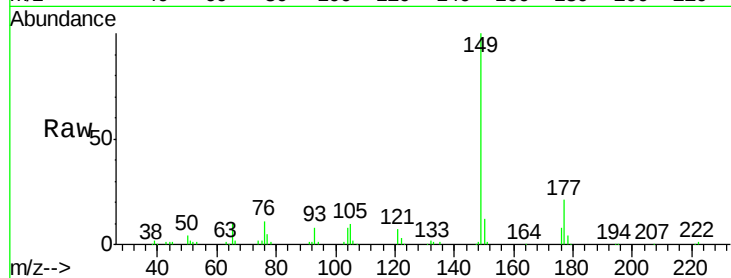




#59
Diethylphthalate
Concen: 7.232 ng
RT: 15.10 min Scan# 2060
Delta R.T. -0.01 min
Lab File: BN000751.D
Acq: 18 Apr 2018 21:58

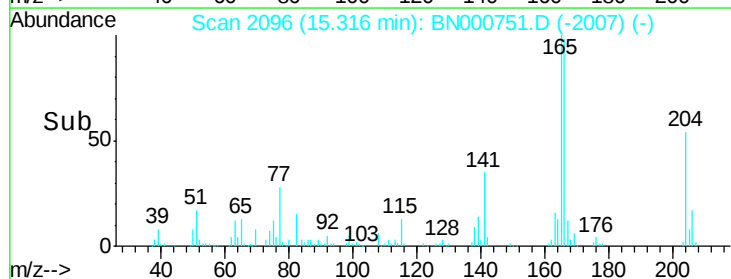
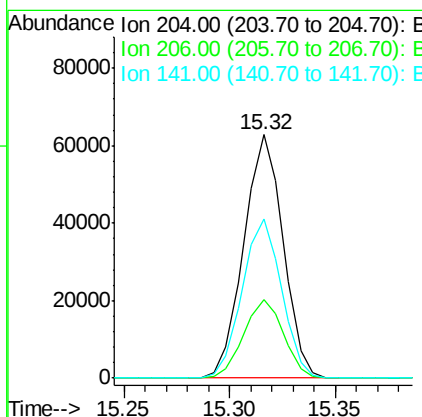
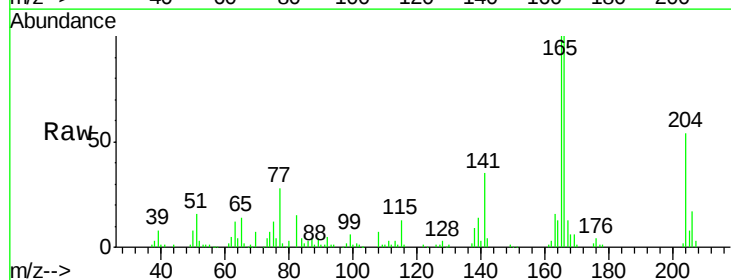
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

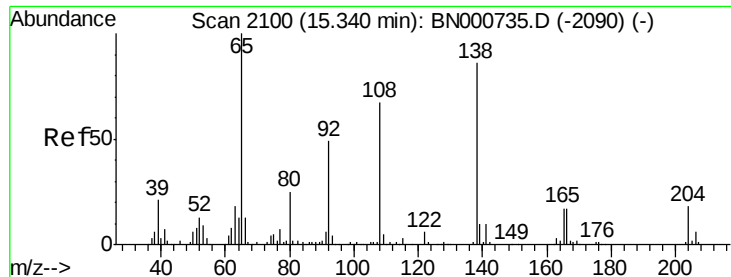
Tot Ion:149 Resp: 163123
Ion Ratio Lower Upper
149 100
177 21.4 18.5 27.7
150 12.4 10.2 15.2



#60
4-Chlorophenyl-phenylether
Concen: 8.183 ng
RT: 15.32 min Scan# 2096
Delta R.T. -0.01 min
Lab File: BN000751.D
Acq: 18 Apr 2018 21:58

Tgt Ion:204 Resp: 81297
Ion Ratio Lower Upper
204 100
206 32.3 26.2 39.2
141 65.1 45.8 68.6

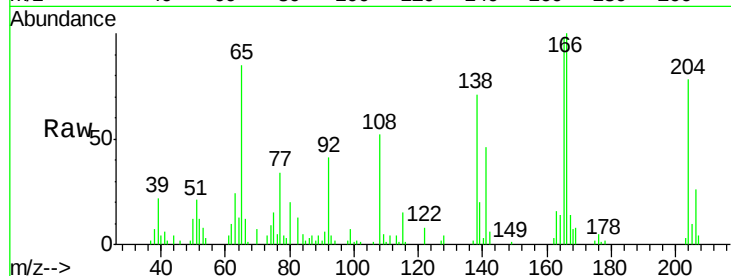




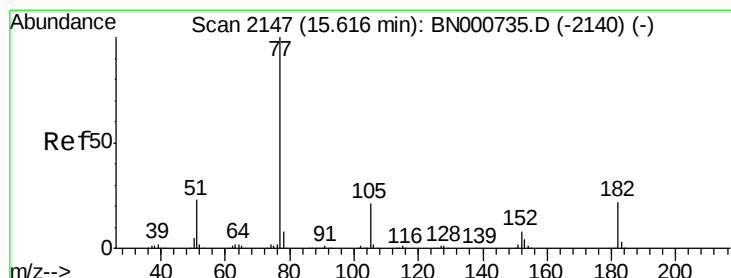
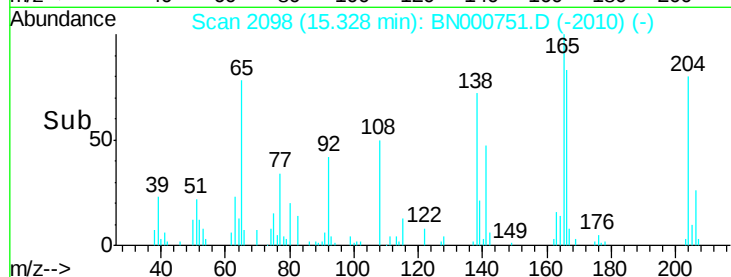
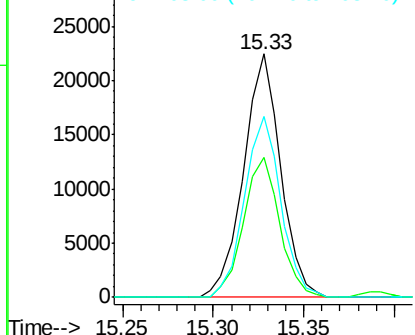
#61
4-Nitroaniline
Concen: 5.900 ng
RT: 15.33 min Scan# 2098
Delta R.T. -0.01 min
Lab File: BN000751.D
Acq: 18 Apr 2018 21:58

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

Tot Ion:138 Resp: 31842
Ion Ratio Lower Upper
138 100
92 57.5 40.1 80.1
108 74.1 65.4 105.4



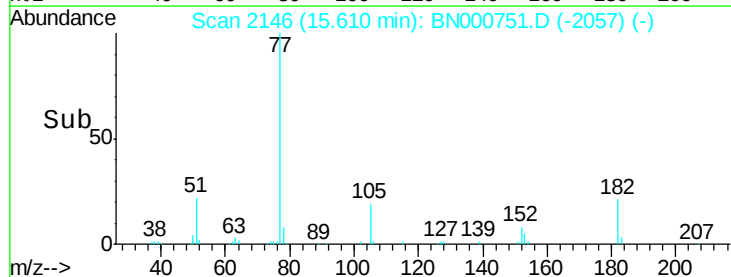
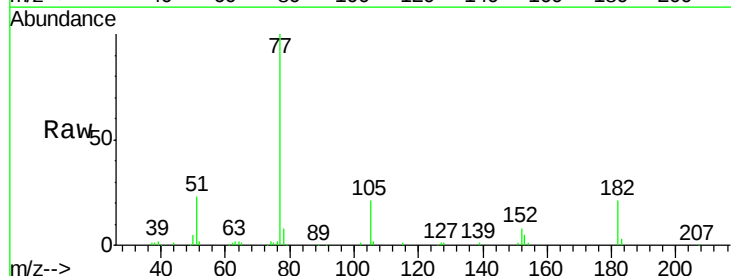
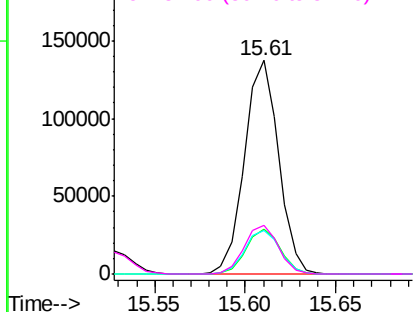
Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BNO
Ion 108.00 (107.70 to 108.70): E

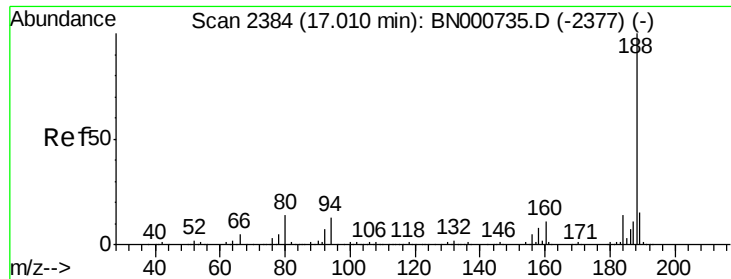


#62
Azobenzene
Concen: 7.438 ng
RT: 15.61 min Scan# 2146
Delta R.T. -0.01 min
Lab File: BN000751.D
Acq: 18 Apr 2018 21:58

Tgt Ion: 77 Resp: 179646
Ion Ratio Lower Upper
77 100
182 21.0 7.4 47.4
105 20.5 0.3 40.3
51 22.6 11.6 51.6

Abundance Ion 77.00 (76.70 to 77.70): BNO
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BNO

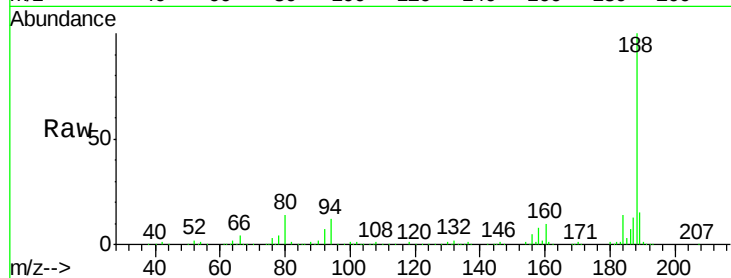




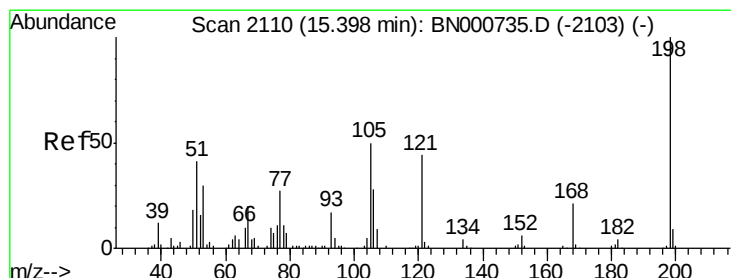
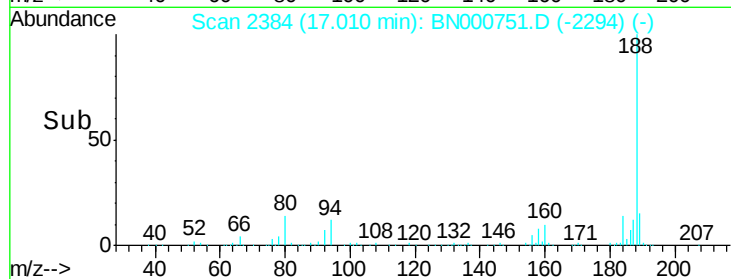
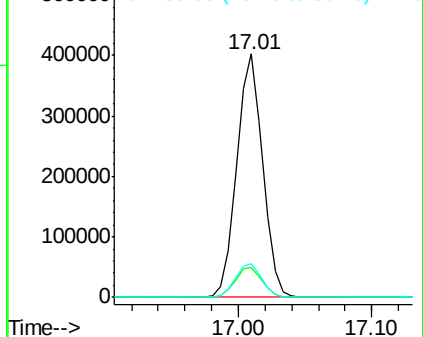
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.01 min Scan# 2384
 Delta R.T. -0.00 min
 Lab File: BN000751.D
 Acq: 18 Apr 2018 21:58

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

Tot Ion:188 Resp: 540685
 Ion Ratio Lower Upper
 188 100
 94 12.5 6.9 10.3#
 80 13.8 7.7 11.5#

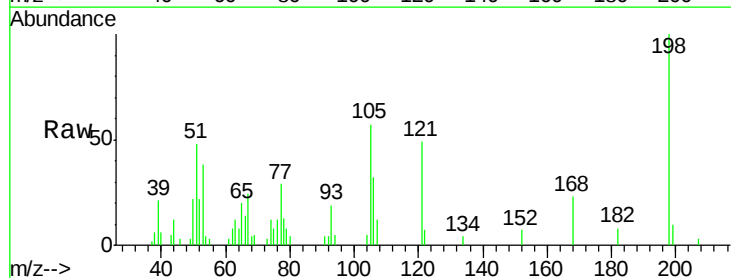


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BNC
 Ion 80.00 (79.70 to 80.70): BNC

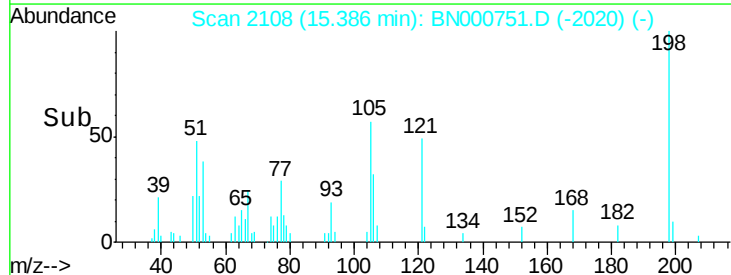
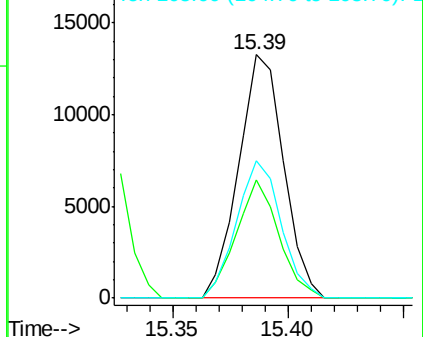


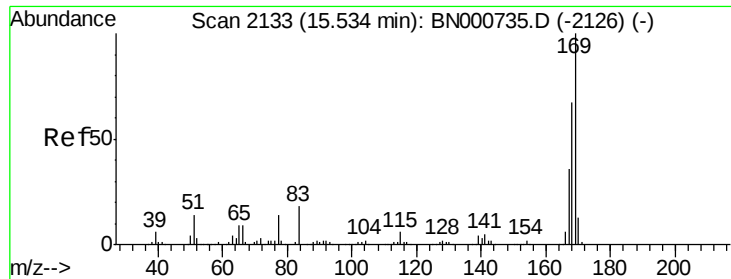
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.385 ng
 RT: 15.39 min Scan# 2108
 Delta R.T. -0.01 min
 Lab File: BN000751.D
 Acq: 18 Apr 2018 21:58

Tgt Ion:198 Resp: 17985
 Ion Ratio Lower Upper
 198 100
 51 48.4 30.6 70.6
 105 56.7 23.8 63.8



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

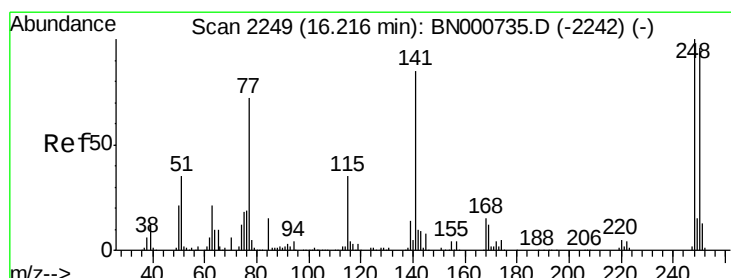
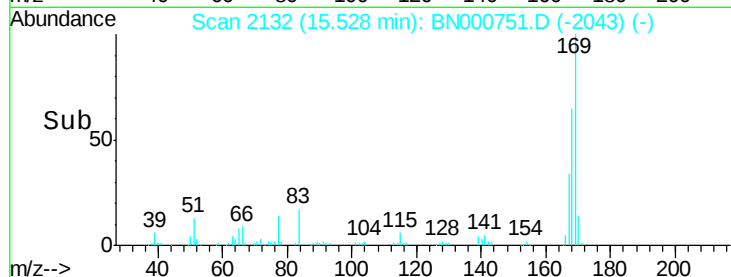
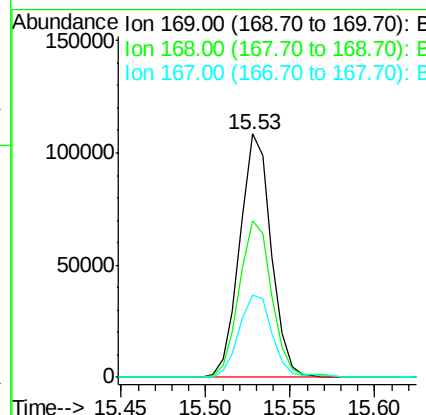
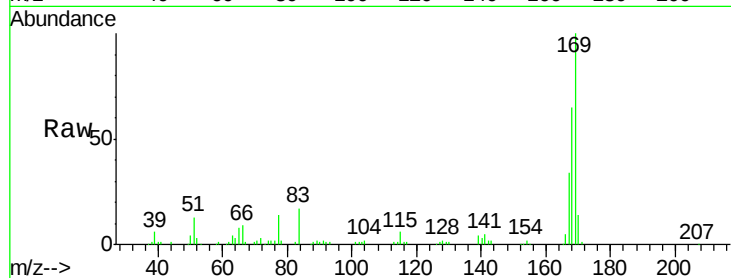




#65
 n-Nitrosodiphenylamine
 Concen: 7.744 ng
 RT: 15.53 min Scan# 2132
 Delta R.T. -0.01 min
 Lab File: BN000751.D
 Acq: 18 Apr 2018 21:58

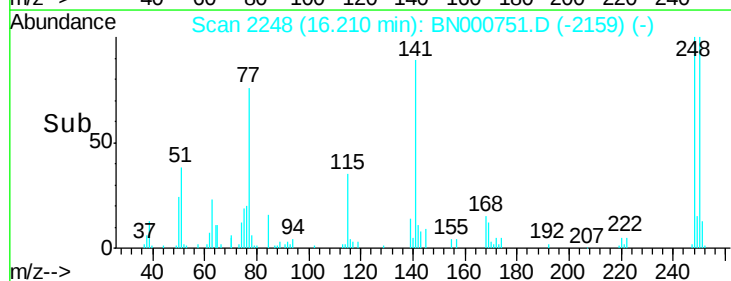
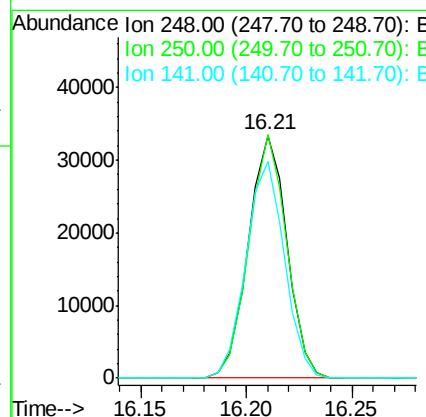
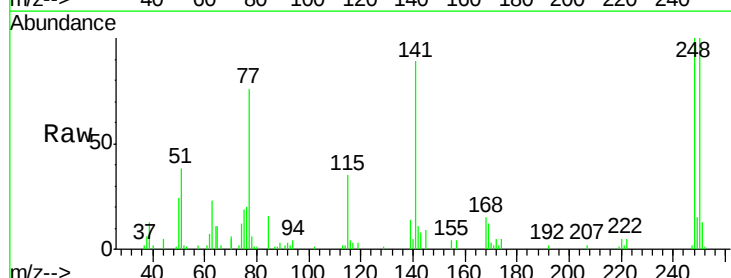
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

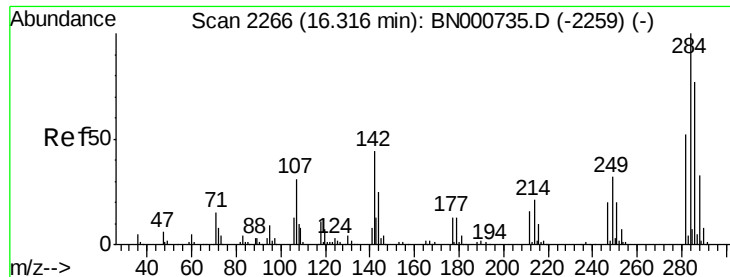
Tot Ion:169 Resp: 140574
 Ion Ratio Lower Upper
 169 100
 168 64.5 55.7 83.5
 167 34.1 30.1 45.1



#66
 4-Bromophenyl-phenylether
 Concen: 7.732 ng
 RT: 16.21 min Scan# 2248
 Delta R.T. -0.01 min
 Lab File: BN000751.D
 Acq: 18 Apr 2018 21:58

Tgt Ion:248 Resp: 42472
 Ion Ratio Lower Upper
 248 100
 250 100.2 77.1 115.7
 141 89.2 50.8 76.2#

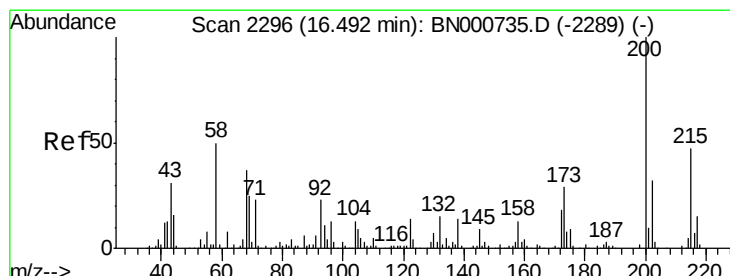
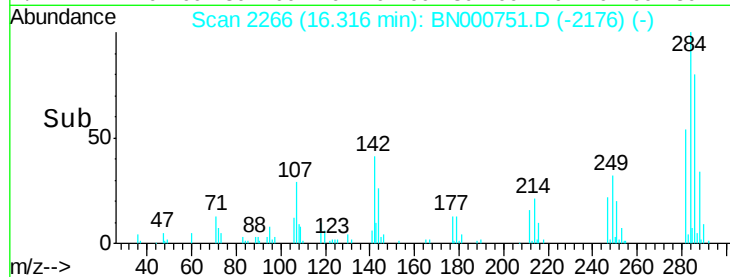
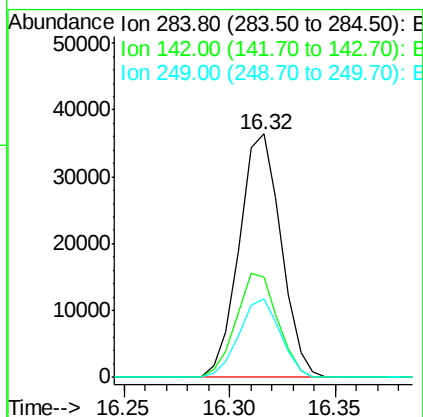
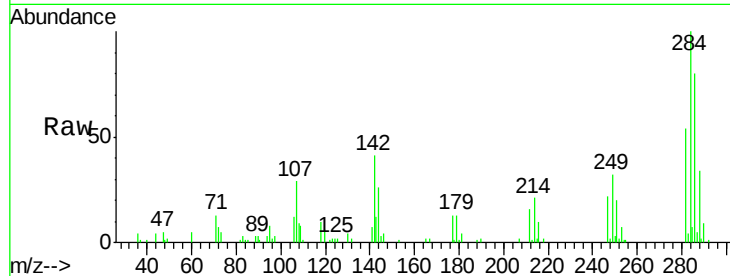




#67
Hexachlorobenzene
Concen: 7.877 ng
RT: 16.32 min Scan# 2266
Delta R.T. -0.00 min
Lab File: BN000751.D
Acq: 18 Apr 2018 21:58

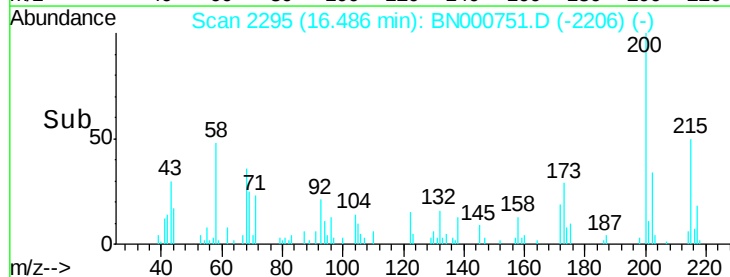
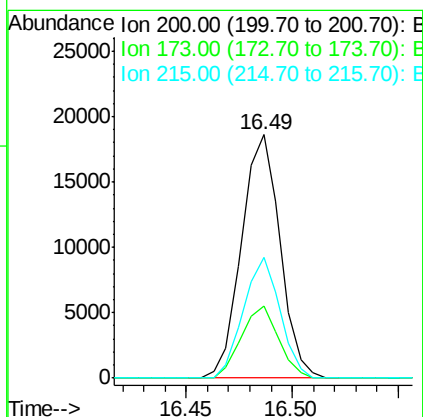
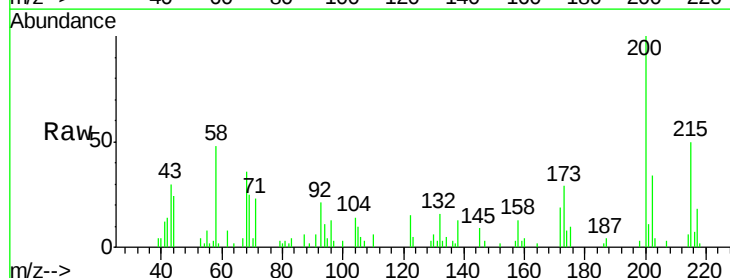
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

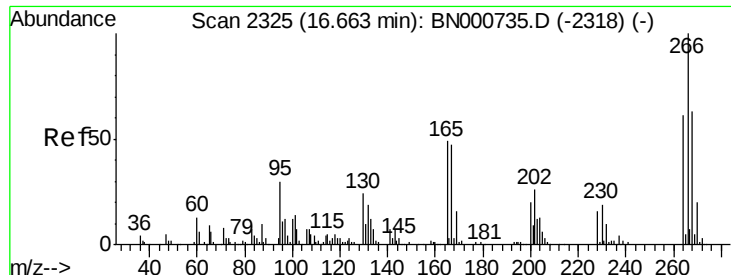
Tot Ion:284 Resp: 50099
Ion Ratio Lower Upper
284 100
142 41.3 26.8 40.2#
249 32.1 26.3 39.5



#68
Atrazine
Concen: 4.782 ng
RT: 16.49 min Scan# 2295
Delta R.T. -0.01 min
Lab File: BN000751.D
Acq: 18 Apr 2018 21:58

Tgt Ion:200 Resp: 23516
Ion Ratio Lower Upper
200 100
173 29.4 5.2 45.2
215 49.8 30.4 70.4

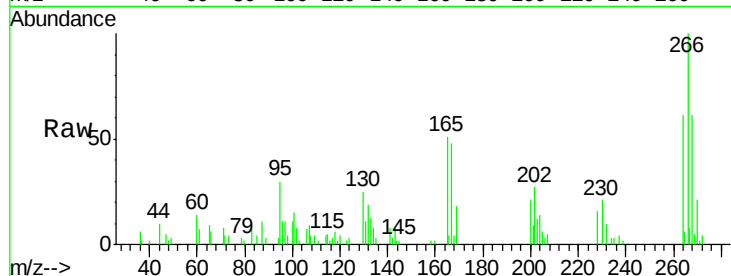




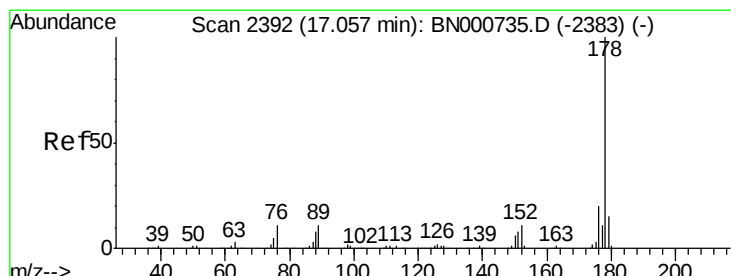
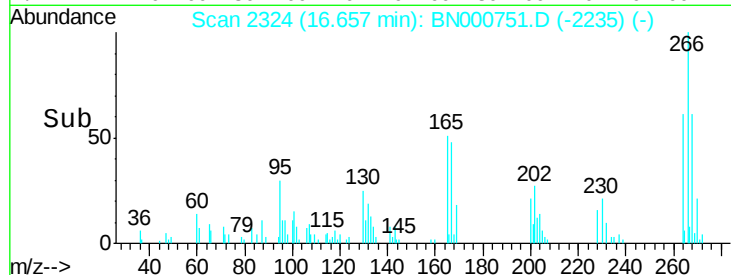
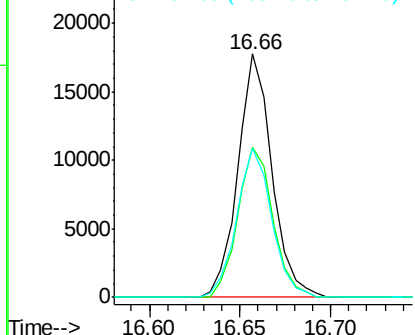
#69
 Pentachlorophenol
 Concen: 5.653 ng
 RT: 16.66 min Scan# 2324
 Delta R.T. -0.01 min
 Lab File: BN000751.D
 Acq: 18 Apr 2018 21:58

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

Tot Ion:266 Resp: 23233
 Ion Ratio Lower Upper
 266 100
 268 61.5 51.1 76.7
 264 61.4 49.6 74.4

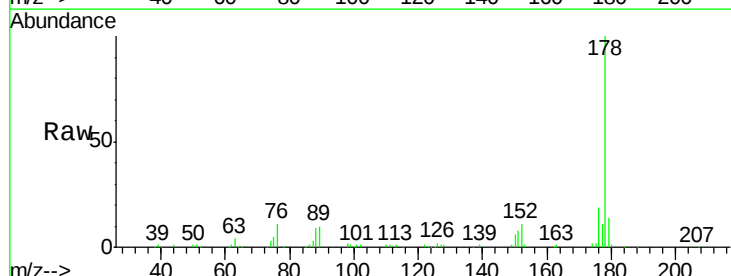


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

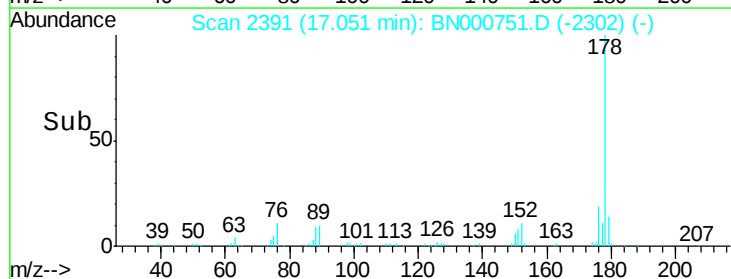
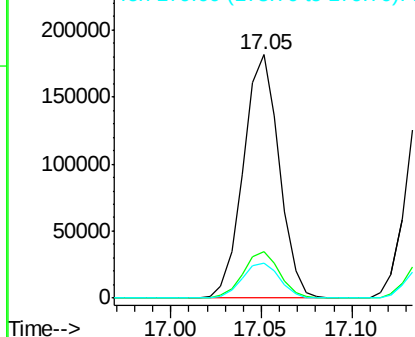


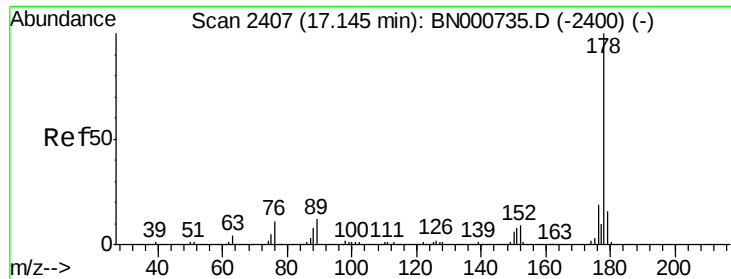
#70
 Phenanthrene
 Concen: 7.947 ng
 RT: 17.05 min Scan# 2391
 Delta R.T. -0.01 min
 Lab File: BN000751.D
 Acq: 18 Apr 2018 21:58

Tgt Ion:178 Resp: 248847
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.7 23.5
 179 14.4 12.5 18.7



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

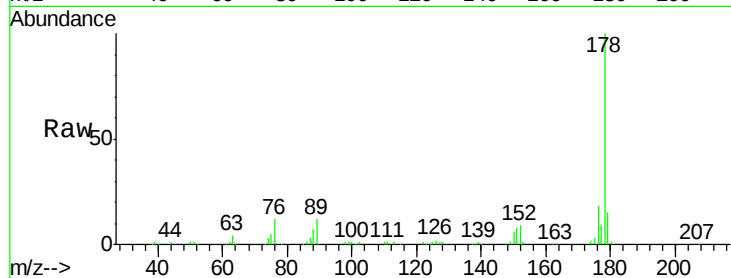




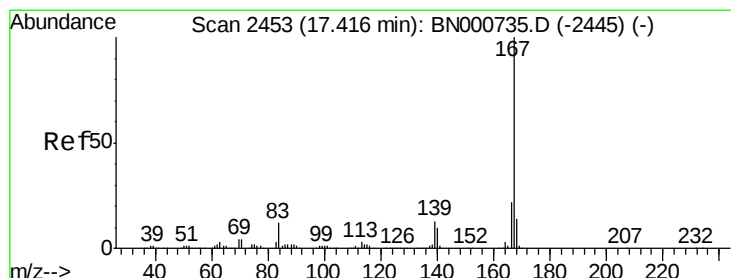
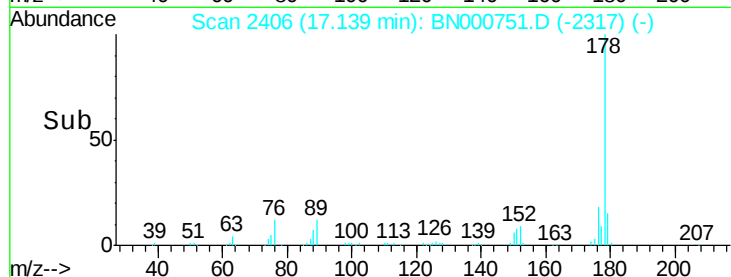
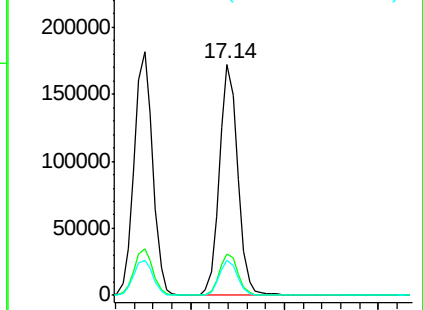
#71
 Anthracene
 Concen: 7.705 ng
 RT: 17.14 min Scan# 2406
 Delta R.T. -0.01 min
 Lab File: BN000751.D
 Acq: 18 Apr 2018 21:58

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

Tot Ion:178 Resp: 236285
 Ion Ratio Lower Upper
 178 100
 176 18.0 16.0 24.0
 179 15.4 12.5 18.7

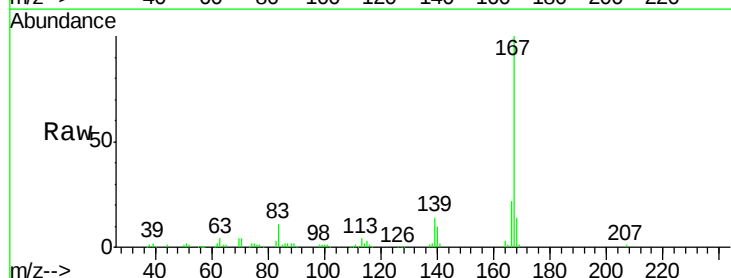


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

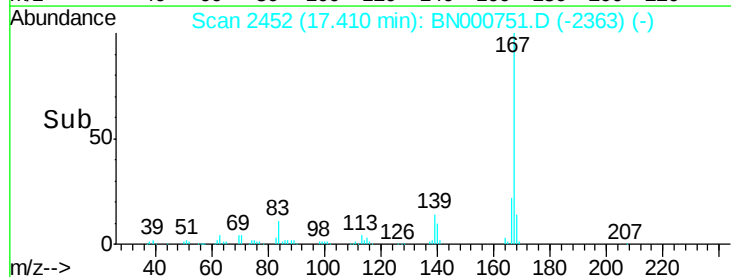
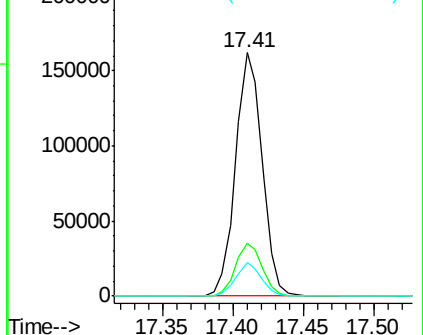


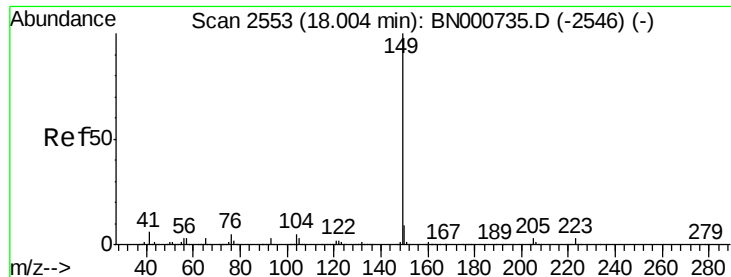
#72
 Carbazole
 Concen: 7.400 ng
 RT: 17.41 min Scan# 2452
 Delta R.T. -0.01 min
 Lab File: BN000751.D
 Acq: 18 Apr 2018 21:58

Tgt Ion:167 Resp: 213278
 Ion Ratio Lower Upper
 167 100
 166 21.8 18.2 27.4
 139 14.0 9.4 14.2



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 6.314 ng

RT: 18.00 min Scan# 2552

Delta R.T. -0.01 min

Lab File: BN000751.D

Acq: 18 Apr 2018 21:58

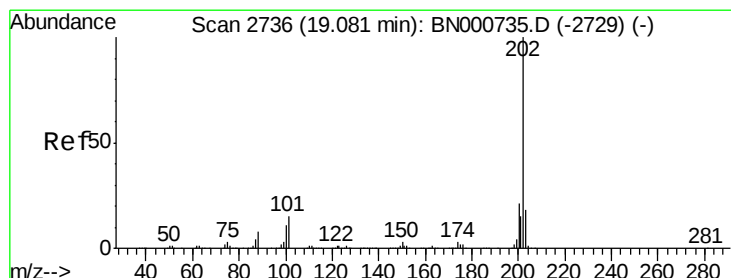
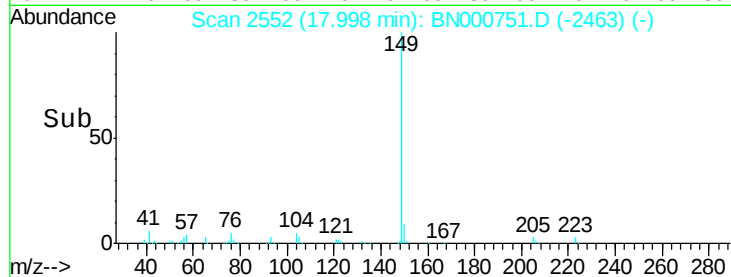
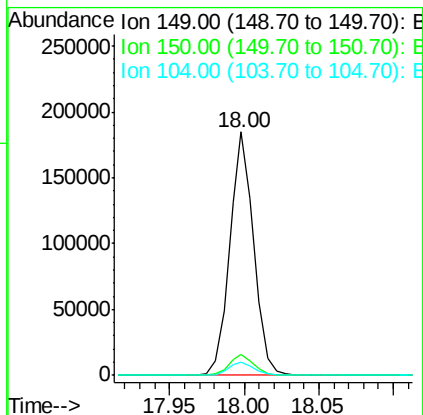
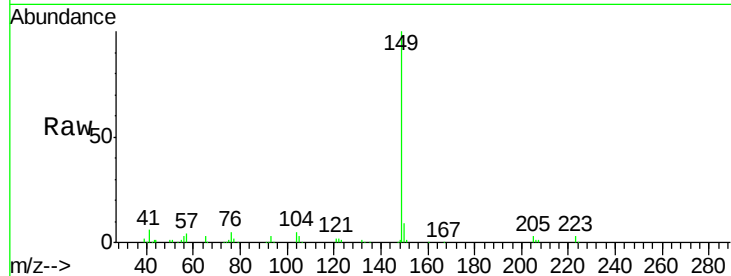
Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion:149	Resp:	207335
Ion Ratio	Lower	Upper
149	100	
150	8.8	7.8 11.6
104	5.3	3.9 5.9



#74

Fluoranthene

Concen: 7.477 ng

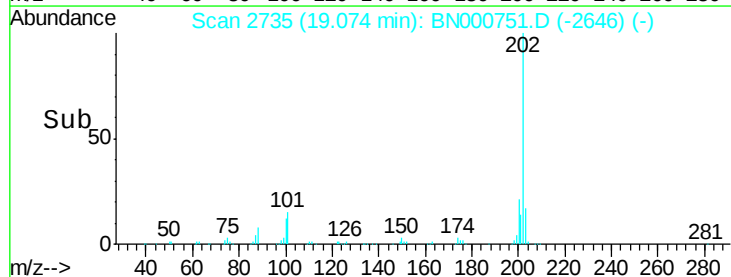
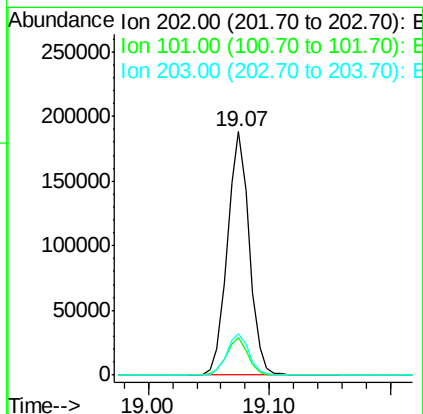
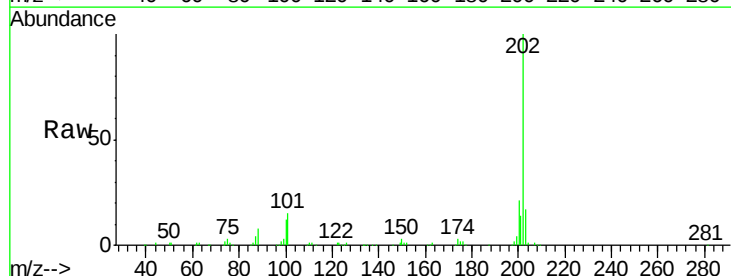
RT: 19.07 min Scan# 2735

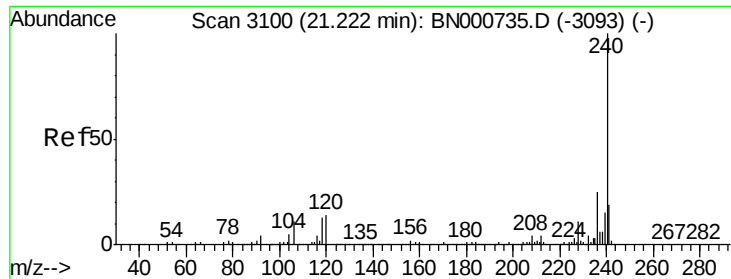
Delta R.T. -0.01 min

Lab File: BN000751.D

Acq: 18 Apr 2018 21:58

Tgt Ion:202	Resp:	235981
Ion Ratio	Lower	Upper
202	100	
101	15.3	0.0 28.9
203	17.1	0.0 37.5





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.22 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BN000751.D

Acq: 18 Apr 2018 21:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

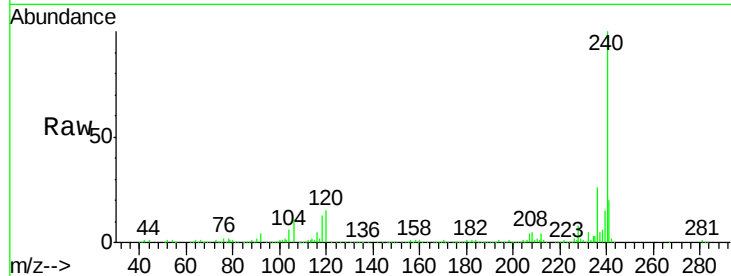
Tot Ion:240 Resp: 469012

Ion Ratio Lower Upper

240 100

120 15.3 6.8 10.2#

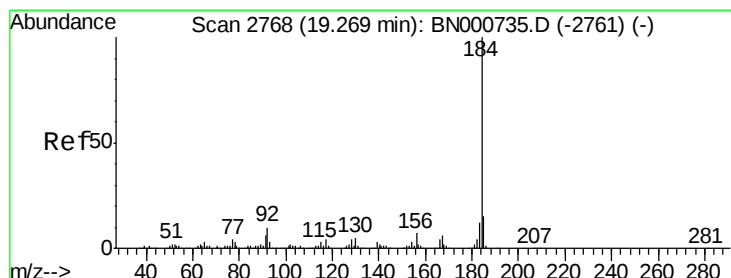
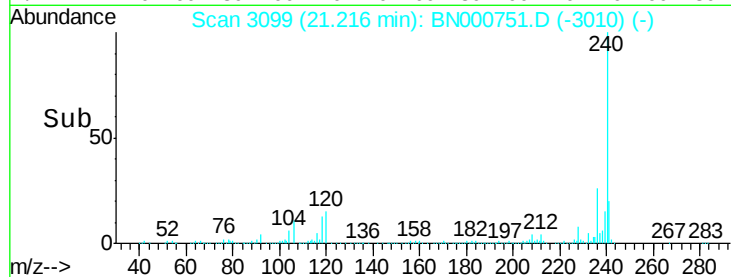
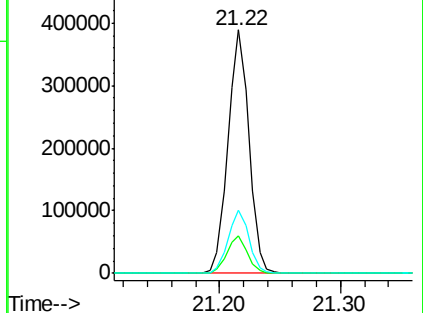
236 25.8 20.9 31.3



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



#76

Benzidine

Concen: 3.257 ng

RT: 19.27 min Scan# 2768

Delta R.T. 0.00 min

Lab File: BN000751.D

Acq: 18 Apr 2018 21:58

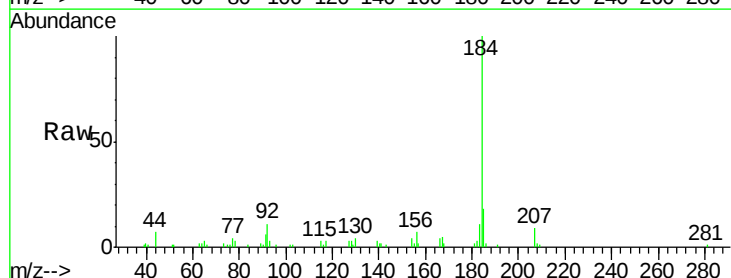
Tgt Ion:184 Resp: 41366

Ion Ratio Lower Upper

184 100

185 17.6 11.1 16.7#

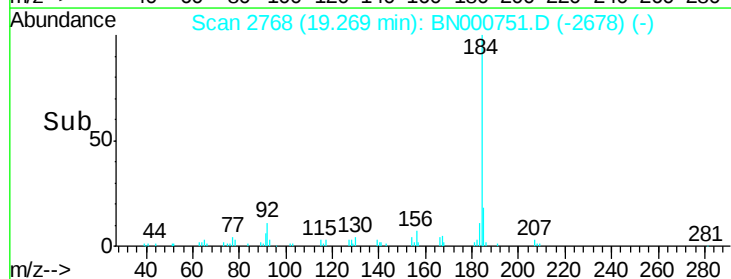
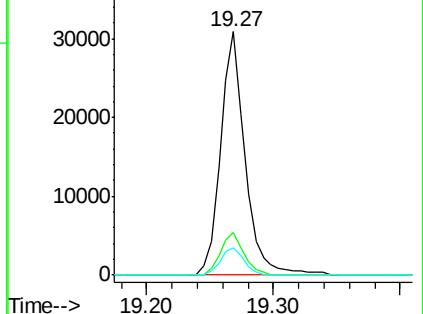
183 11.0 10.6 16.0

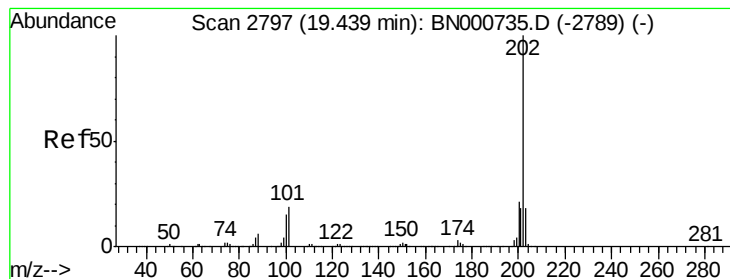


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 7.475 ng

RT: 19.44 min Scan# 2797

Delta R.T. -0.00 min

Lab File: BN000751.D

Acq: 18 Apr 2018 21:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

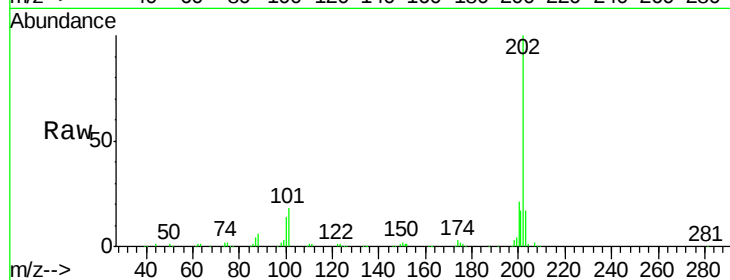
Tot Ion:202 Resp: 252545

Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

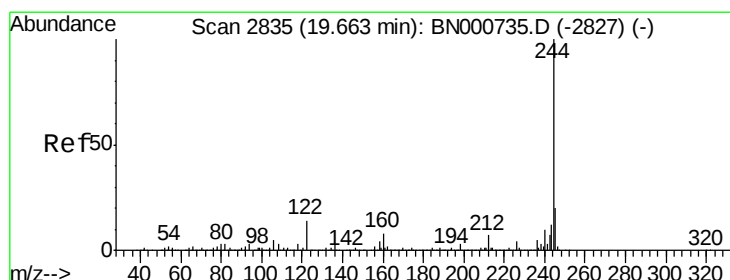
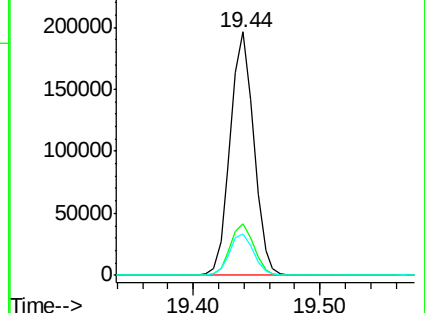
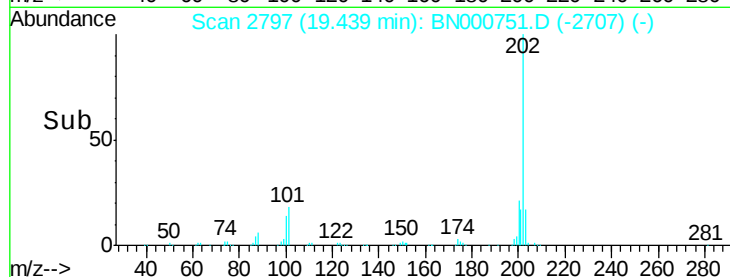
203 17.2 13.9 20.9



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



#78

Terphenyl-d14

Concen: 84.472 ng

RT: 19.66 min Scan# 2834

Delta R.T. -0.01 min

Lab File: BN000751.D

Acq: 18 Apr 2018 21:58

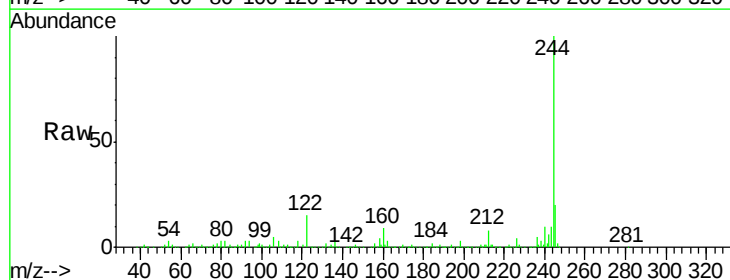
Tgt Ion:244 Resp: 1837470

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

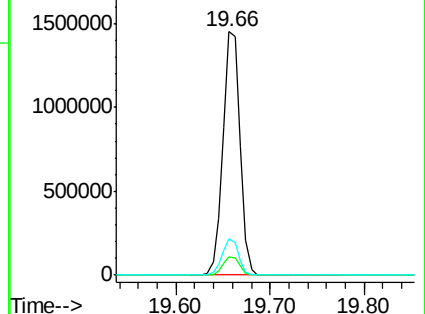
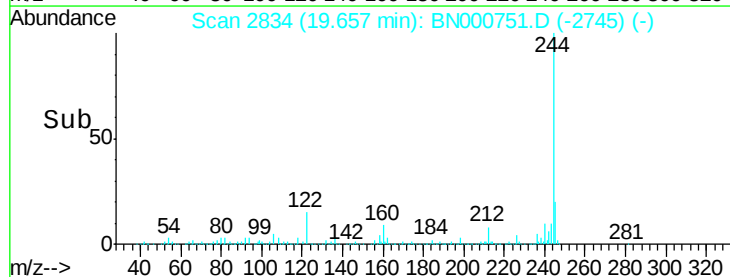
122 14.8 7.0 10.4#

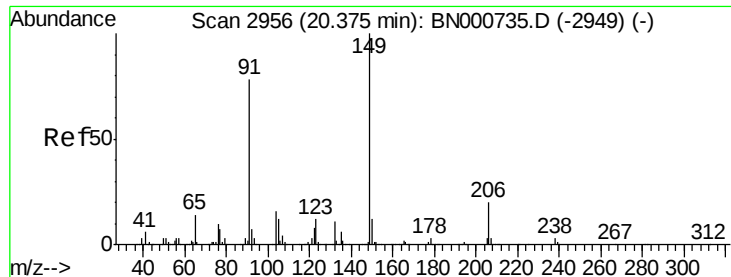


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

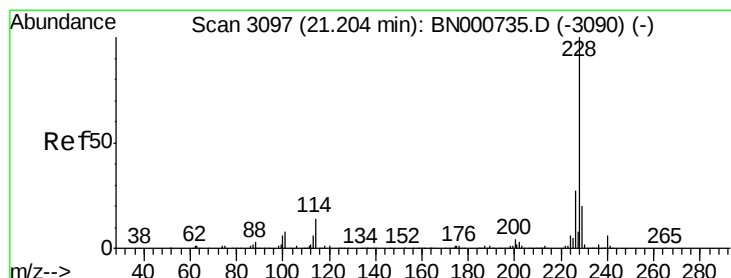
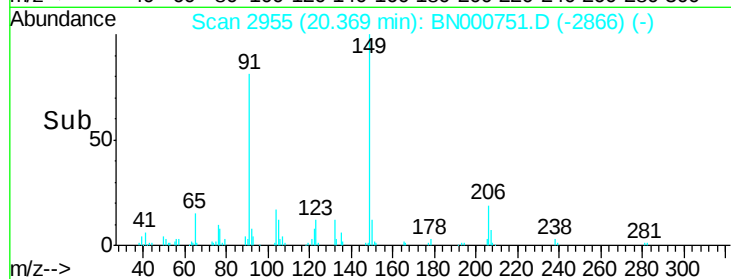
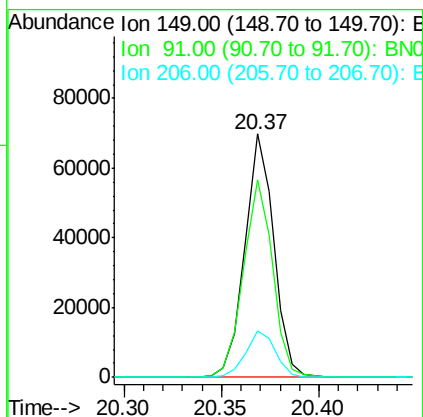
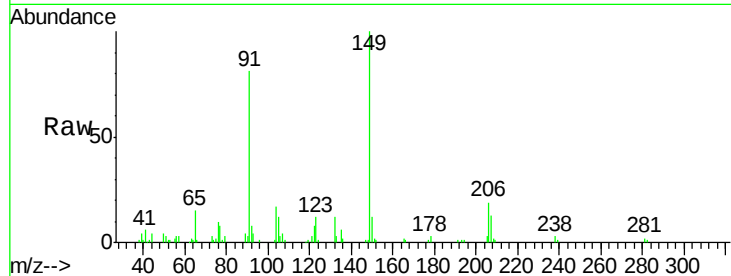




#79
Butylbenzylphthalate
Concen: 5.043 ng
RT: 20.37 min Scan# 2955
Delta R.T. -0.01 min
Lab File: BN000751.D
Acq: 18 Apr 2018 21:58

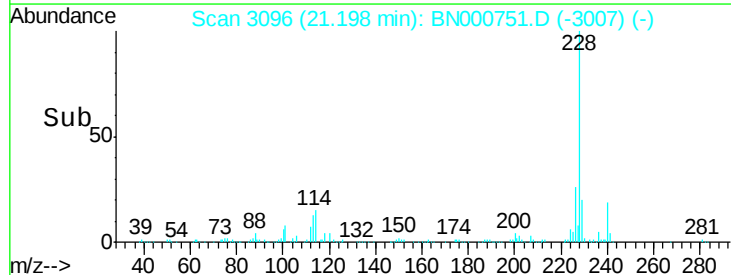
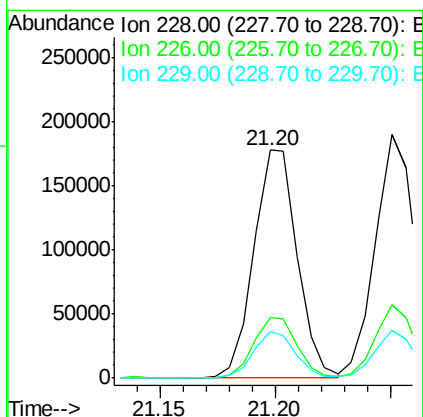
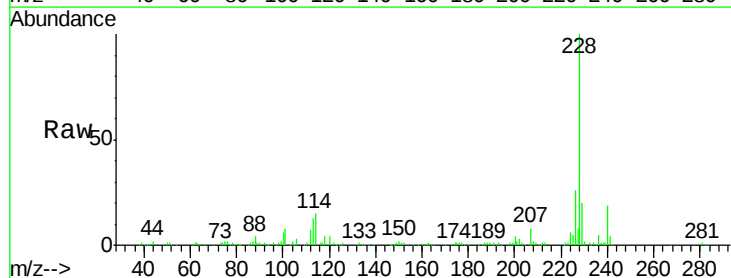
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

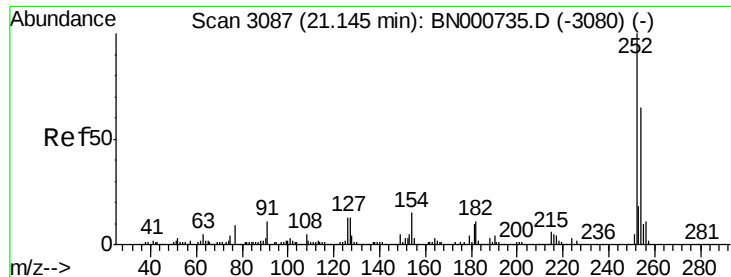
Tot Ion:149 Resp: 71774
Ion Ratio Lower Upper
149 100
91 81.3 62.2 93.2
206 18.9 18.6 27.8



#80
Benzo(a)anthracene
Concen: 7.870 ng
RT: 21.20 min Scan# 3096
Delta R.T. -0.01 min
Lab File: BN000751.D
Acq: 18 Apr 2018 21:58

Tgt Ion:228 Resp: 232616
Ion Ratio Lower Upper
228 100
226 26.4 22.7 34.1
229 20.4 16.2 24.2

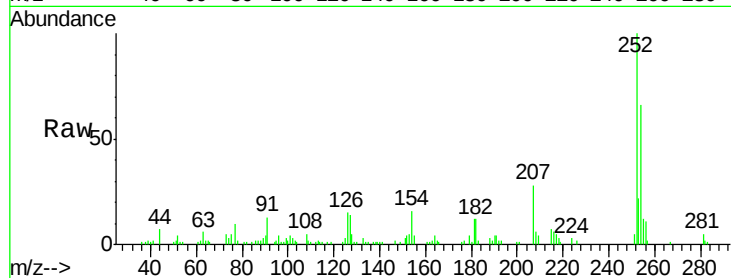




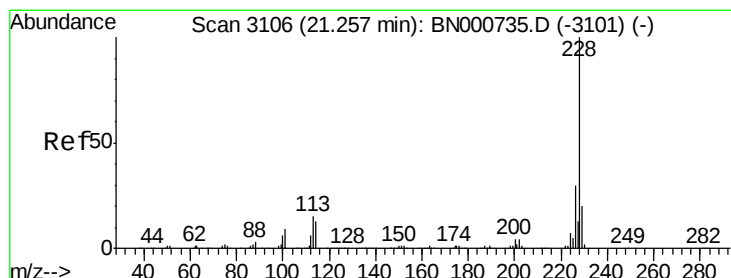
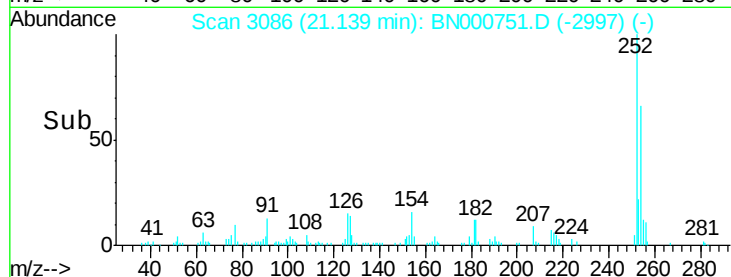
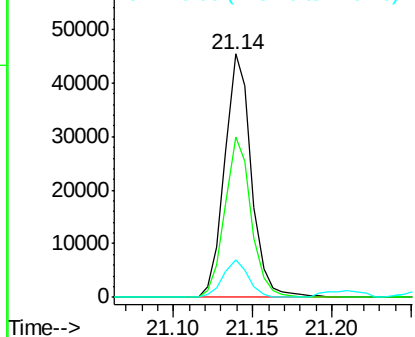
#81
 3,3'-Dichlorobenzidine
 Concen: 5.701 ng
 RT: 21.14 min Scan# 3086
 Delta R.T. -0.01 min
 Lab File: BN000751.D
 Acq: 18 Apr 2018 21:58

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

Tot Ion:252 Resp: 53040
 Ion Ratio Lower Upper
 252 100
 254 65.9 50.8 76.2
 126 15.2 7.4 11.2#

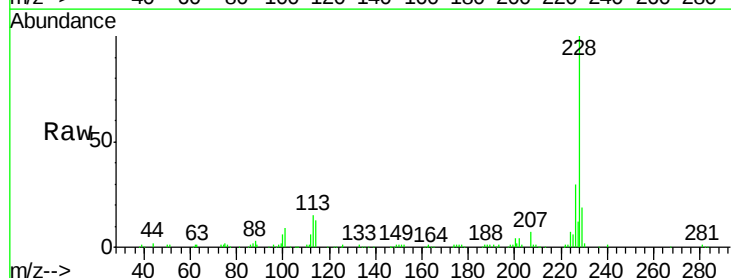


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

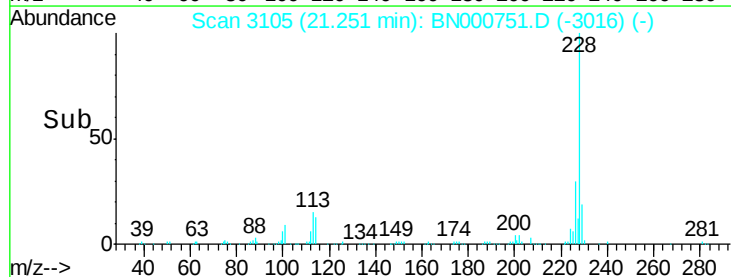
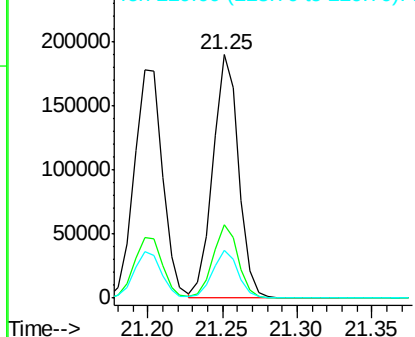


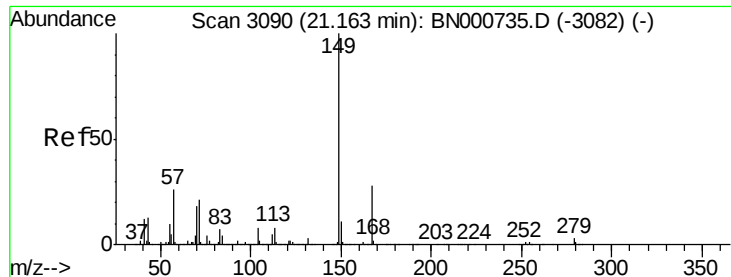
#82
 Chrysene
 Concen: 7.988 ng
 RT: 21.25 min Scan# 3105
 Delta R.T. -0.01 min
 Lab File: BN000751.D
 Acq: 18 Apr 2018 21:58

Tgt Ion:228 Resp: 228591
 Ion Ratio Lower Upper
 228 100
 226 30.0 24.9 37.3
 229 19.4 15.0 22.4



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

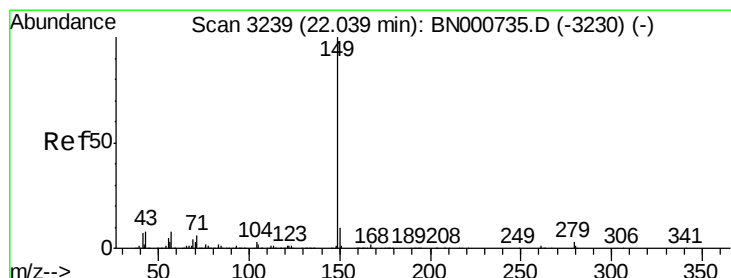
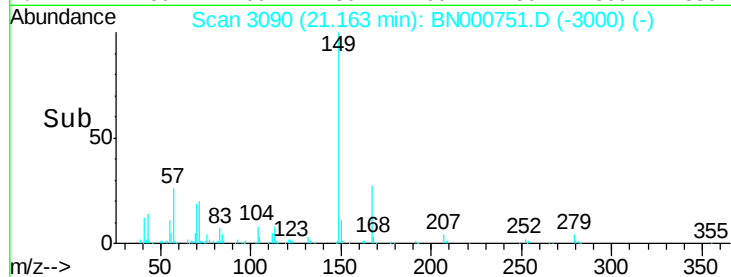
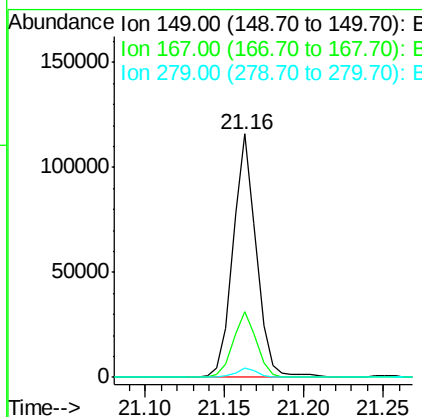
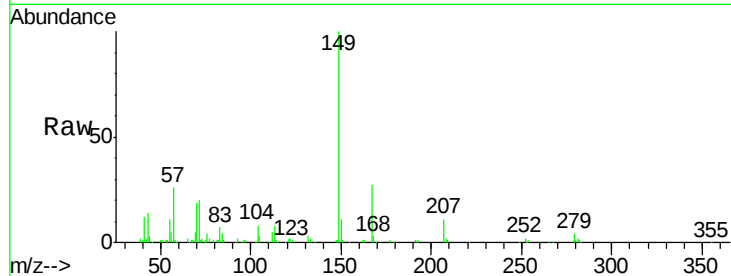




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.407 ng
 RT: 21.16 min Scan# 3090
 Delta R.T. -0.00 min
 Lab File: BN000751.D
 Acq: 18 Apr 2018 21:58

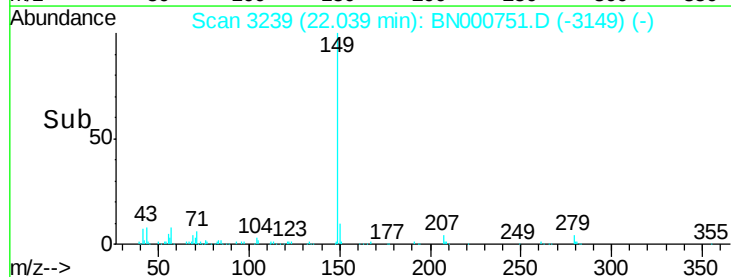
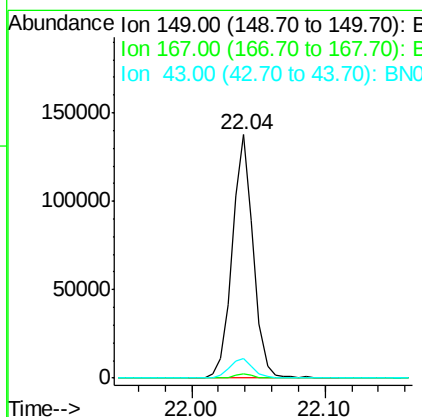
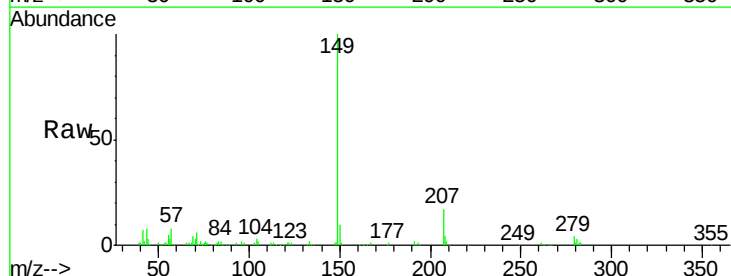
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

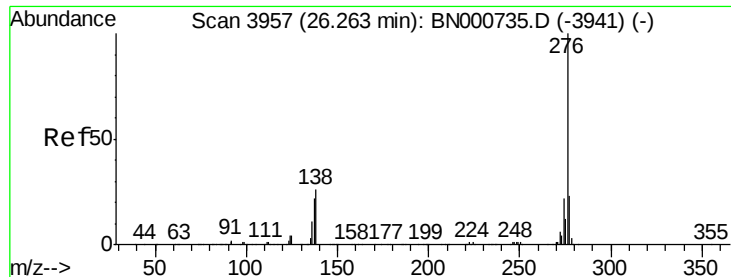
Tot Ion:149 Resp: 117554
 Ion Ratio Lower Upper
 149 100
 167 27.0 24.3 36.5
 279 3.6 4.0 6.0#



#84
 Di-n-octyl phthalate
 Concen: 4.869 ng
 RT: 22.04 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: BN000751.D
 Acq: 18 Apr 2018 21:58

Tgt Ion:149 Resp: 151459
 Ion Ratio Lower Upper
 149 100
 167 1.4 1.4 2.0
 43 9.1 8.9 13.3

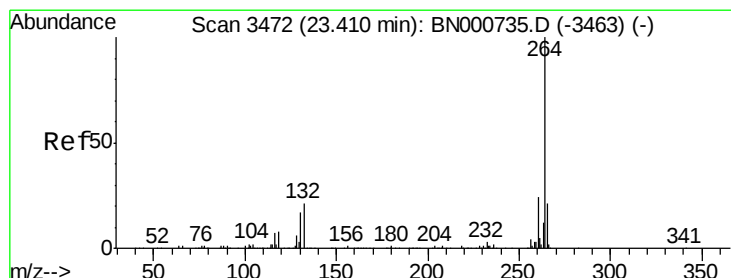
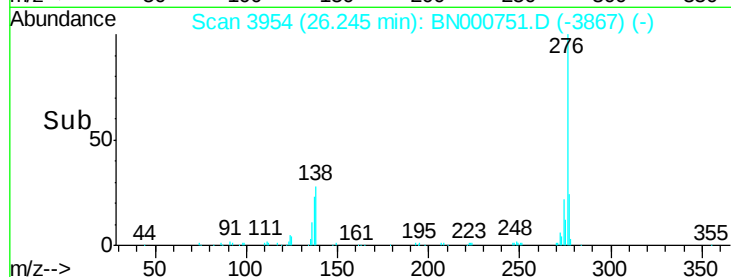
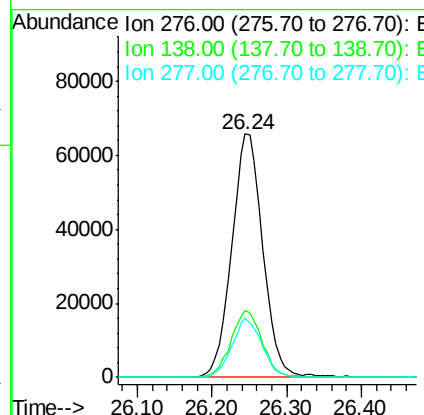
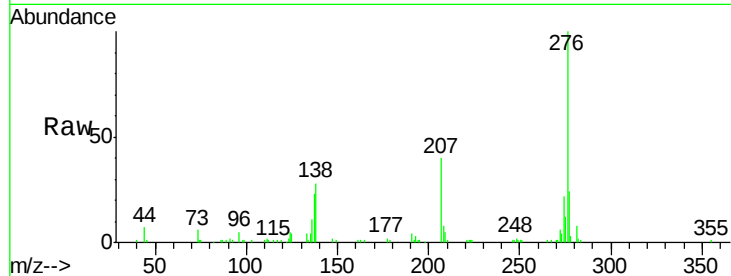




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.710 ng
 RT: 26.24 min Scan# 3954
 Delta R.T. -0.02 min
 Lab File: BN000751.D
 Acq: 18 Apr 2018 21:58

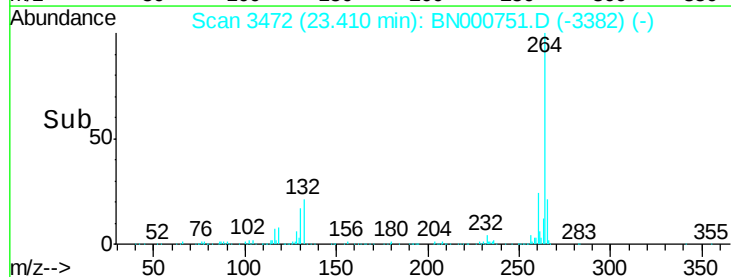
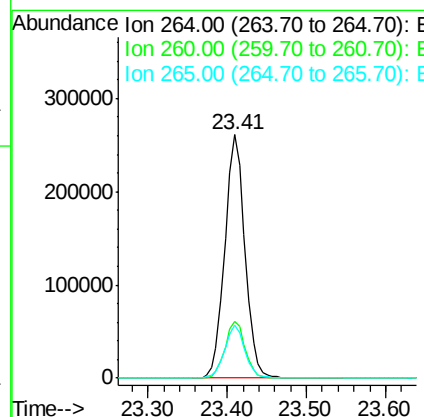
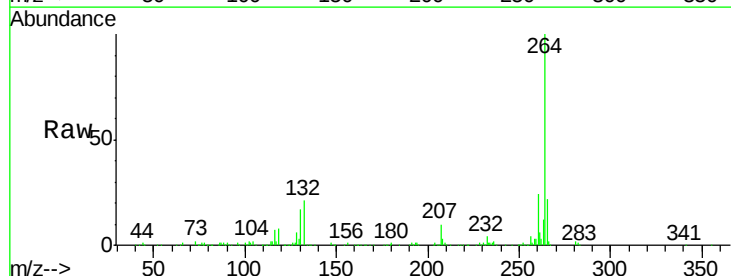
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

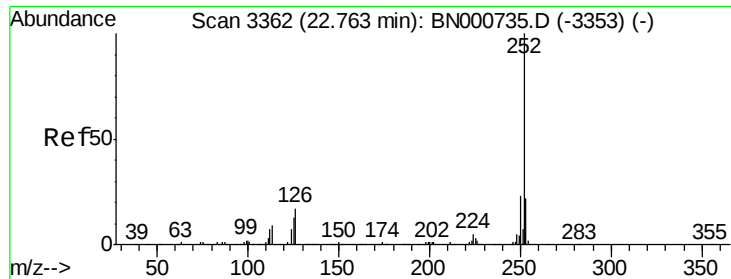
Tot Ion:276 Resp: 189739
 Ion Ratio Lower Upper
 276 100
 138 27.5 16.0 24.0#
 277 23.3 20.0 30.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.41 min Scan# 3472
 Delta R.T. -0.00 min
 Lab File: BN000751.D
 Acq: 18 Apr 2018 21:58

Tgt Ion:264 Resp: 458738
 Ion Ratio Lower Upper
 264 100
 260 23.5 17.4 26.0
 265 21.6 17.7 26.5





#87

Benzo(b)fluoranthene

Concen: 7.566 ng

RT: 22.76 min Scan# 3361

Delta R.T. -0.01 min

Lab File: BN000751.D

Acq: 18 Apr 2018 21:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

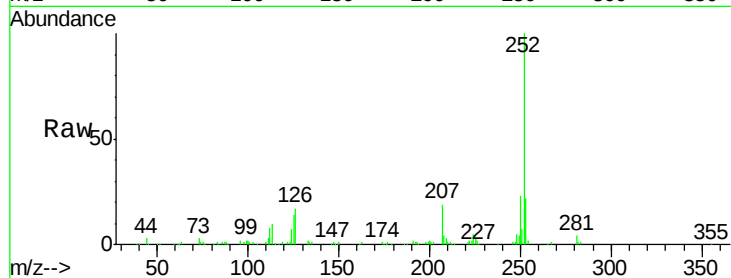
Tot Ion:252 Resp: 210884

Ion Ratio Lower Upper

252 100

253 22.0 18.2 27.4

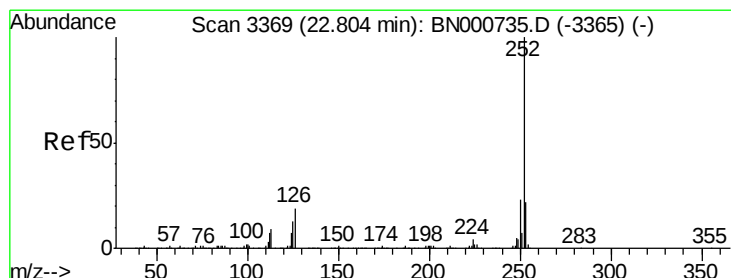
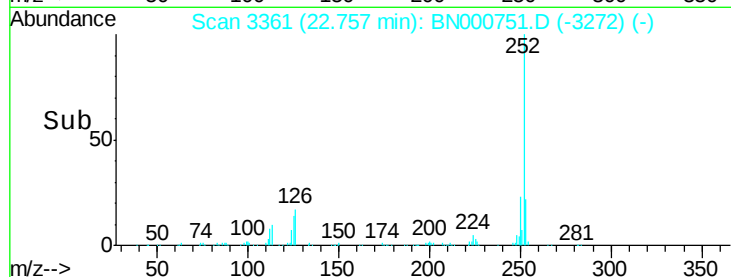
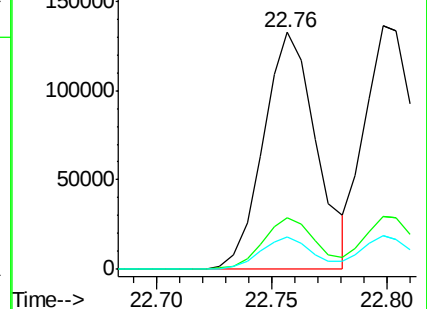
125 13.5 7.2 10.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 7.543 ng

RT: 22.80 min Scan# 3368

Delta R.T. -0.01 min

Lab File: BN000751.D

Acq: 18 Apr 2018 21:58

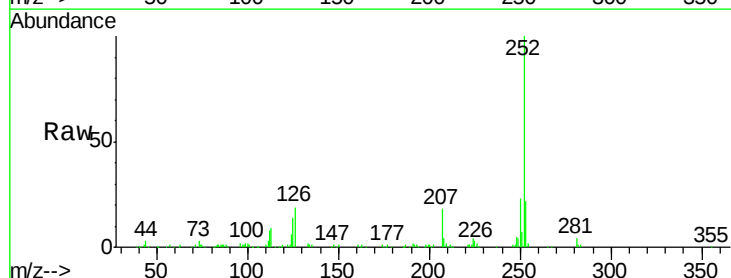
Tgt Ion:252 Resp: 209404

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

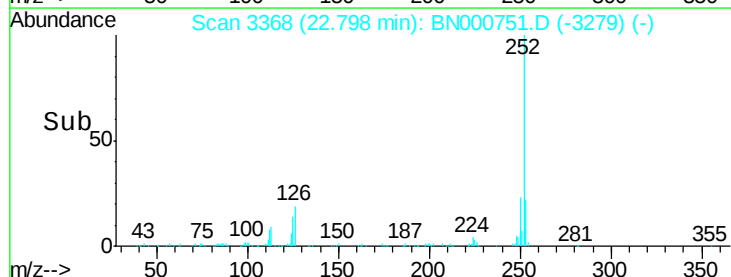
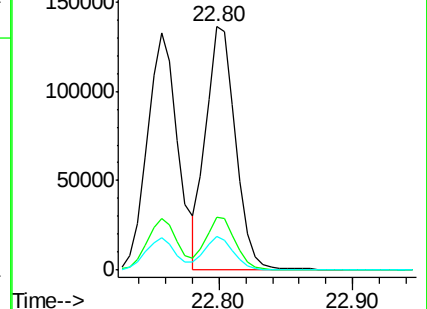
125 13.8 6.6 9.8#

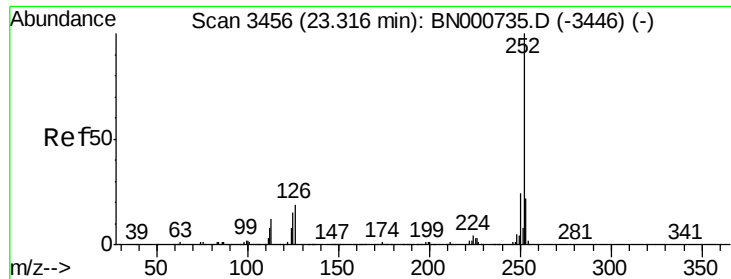


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 7.359 ng

RT: 23.32 min Scan# 3456

Delta R.T. -0.00 min

Lab File: BN000751.D

Acq: 18 Apr 2018 21:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

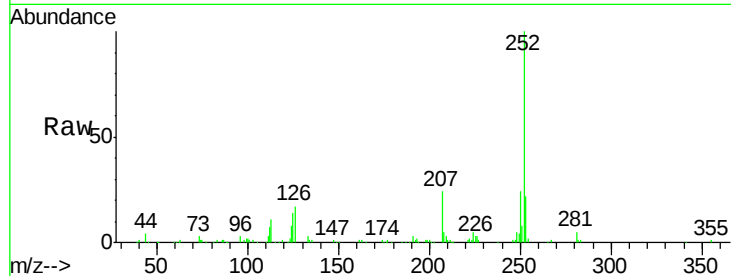
Tot Ion:252 Resp: 187172

Ion Ratio Lower Upper

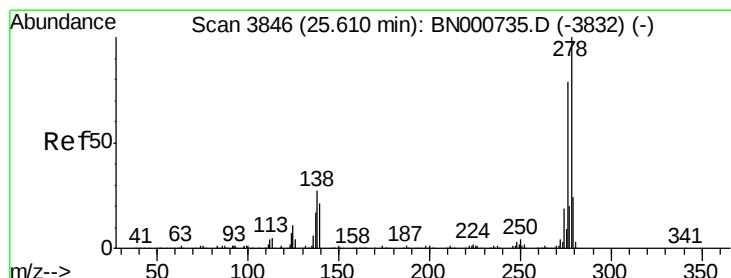
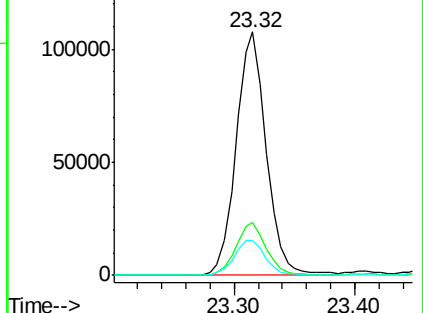
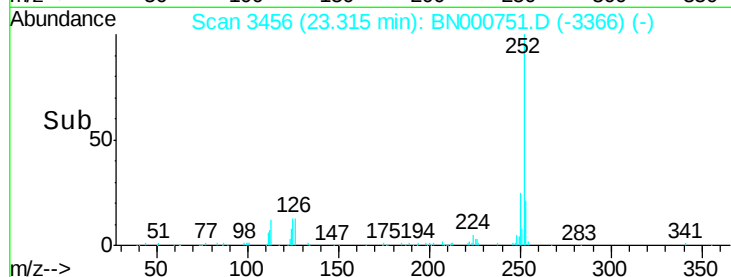
252 100

253 21.6 18.3 27.5

125 14.4 7.3 10.9#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 7.846 ng

RT: 25.60 min Scan# 3845

Delta R.T. -0.01 min

Lab File: BN000751.D

Acq: 18 Apr 2018 21:58

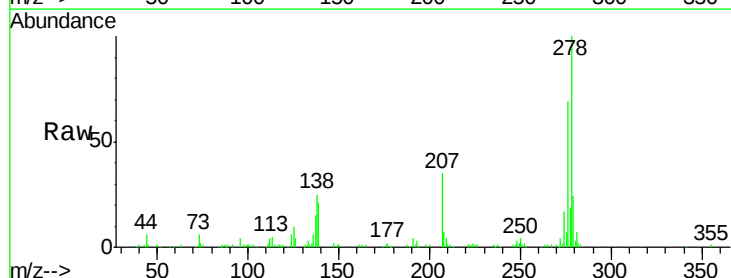
Tgt Ion:278 Resp: 196650

Ion Ratio Lower Upper

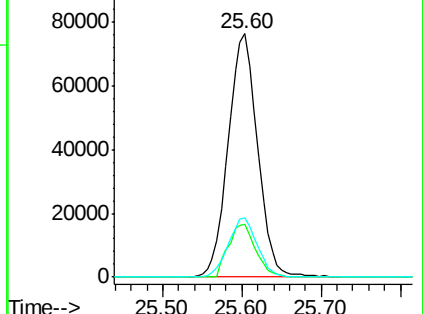
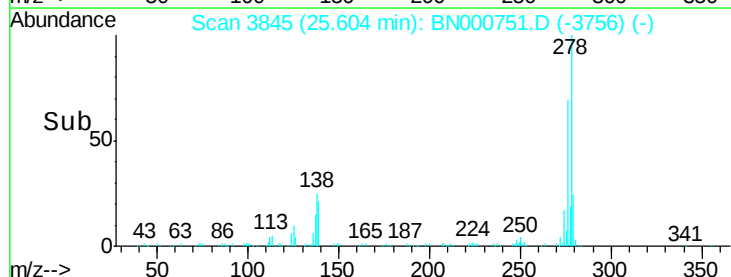
278 100

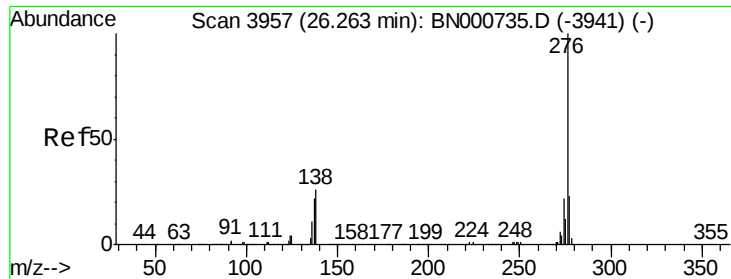
139 21.5 9.8 14.6#

279 24.4 18.4 27.6



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





#91

Benzo(a,h,i)perylene

Concen: 7.754 ng

RT: 26.24 min Scan# 3954

Delta R.T. -0.02 min

Lab File: BN000751.D

Acq: 18 Apr 2018 21:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

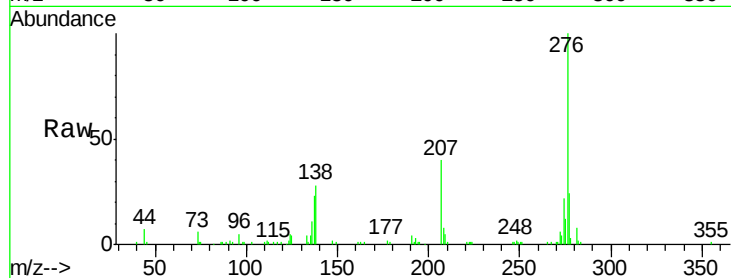
Tot Ion: 276 Resp: 189739

Ion Ratio Lower Upper

276 100

277 24.1 18.3 27.5

138 27.6 13.9 20.9#



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

