

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080818\
 Data File : BF108024.D
 Acq On : 8 Aug 2018 17:21
 Operator : JU/SJ
 Sample : J3762-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Quant Time: Aug 08 18:24:13 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	139631	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	558911	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	297760	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	646710	20.00	ng	0.00
75) Chrysene-d12	14.21	240	570122	20.00	ng	-0.01
86) Perylene-d12	15.77	264	476430	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.63	112	1035767	134.30	ng	0.00
7) Phenol-d6	6.62	99	1375584	134.22	ng	0.00
23) Nitrobenzene-d5	7.57	82	841042	83.97	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	405286	136.46	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1678468	90.50	ng	0.00
78) Terphenyl-d14	13.15	244	2123109	94.68	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.92	88	16757	4.228	ng	# 89
3) Pyridine	3.71	79	41614	4.076	ng	# 73
4) n-Nitrosodimethylamine	3.64	42	22863	3.980	ng	# 77
6) Aniline	6.67	93	35257	2.529	ng	95
8) 2-Chlorophenol	6.80	128	37809	4.353	ng	95
9) Benzaldehyde	6.57	77	31196	3.926	ng	95
10) Phenol	6.63	94	46603	4.396	ng	78
11) bis(2-Chloroethyl)ether	6.74	93	38450	4.486	ng	89
12) 1,3-Dichlorobenzene	6.95	146	46285	4.608	ng	97
13) 1,4-Dichlorobenzene	7.03	146	44958	4.455	ng	95
14) 1,2-Dichlorobenzene	7.18	146	42313	4.508	ng	98
15) Benzyl Alcohol	7.14	79	19810	2.296	ng	91
16) 2,2'-oxybis(1-Chloropropan	7.28	45	75990	4.304	ng	97
17) 2-Methylphenol	7.24	107	32555	4.370	ng	96
18) Hexachloroethane	7.52	117	15359	4.275	ng	94
19) n-Nitroso-di-n-propylamine	7.41	70	30180	4.355	ng	91
20) 3+4-Methylphenols	7.40	107	42502	4.452	ng	95
22) Acetophenone	7.41	105	60531	4.632	ng	# 95
24) Nitrobenzene	7.59	77	47281	4.668	ng	96
25) Isophorone	7.82	82	79545	4.167	ng	95
26) 2-Nitrophenol	7.91	139	11699	3.059	ng	91
27) 2,4-Dimethylphenol	7.93	122	36096	4.260	ng	96
28) bis(2-Chloroethoxy)methane	8.03	93	48704	4.370	ng	# 98
29) 2,4-Dichlorophenol	8.14	162	30228	3.877	ng	98
30) 1,2,4-Trichlorobenzene	8.23	180	38340	4.460	ng	95
31) Naphthalene	8.32	128	124064	4.881	ng	98
32) Benzoic acid	7.93	122	36096	12.402	ng	# 15
33) 4-Chloroaniline	8.36	127	28713	2.592	ng	98
34) Hexachlorobutadiene	8.43	225	23414	4.302	ng	95
35) Caprolactam	8.68	113	8324	3.407	ng	# 72
36) 4-Chloro-3-methylphenol	8.82	107	33798	4.018	ng	98
37) 2-Methylnaphthalene	9.01	142	85028	4.728	ng	97
39) 1,2,4,5-Tetrachlorobenzene	9.17	216	39641	4.335	ng	98
40) Hexachlorocyclopentadiene	9.16	237	20619	3.491	ng	98

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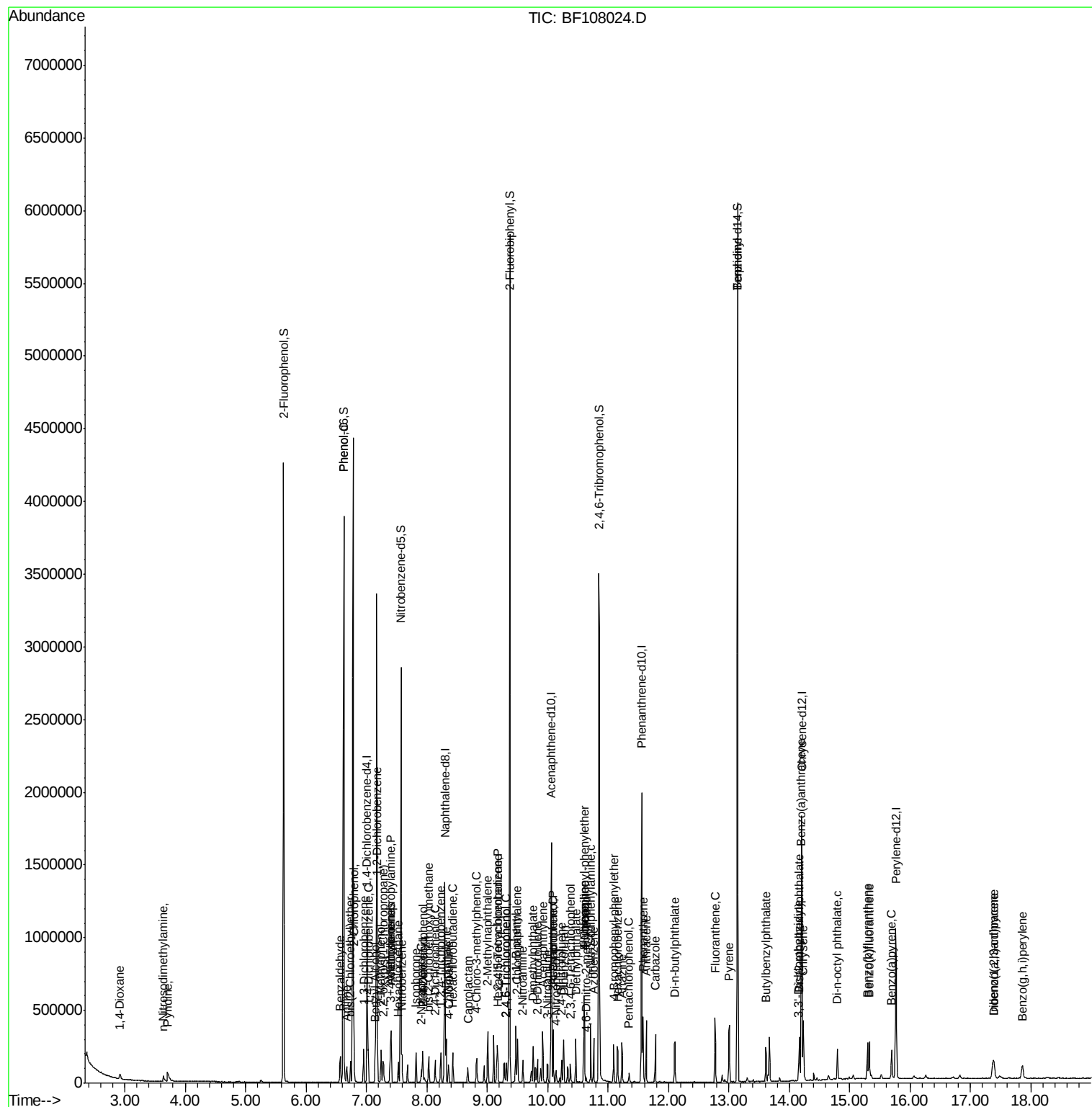
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.31	196	23144	4.079	ng	95
43) 2,4,5-Trichlorophenol	9.31	196	23144	3.705	ng	96
45) 1,1'-Biphenyl	9.47	154	108472	4.941	ng	97
46) 2-Chloronaphthalene	9.50	162	80380	4.632	ng	96
47) 2-Nitroaniline	9.59	65	20120	3.584	ng	88
48) Acenaphthylene	9.92	152	130659	4.763	ng	99
49) Dimethylphthalate	9.76	163	95603	4.609	ng	# 99
50) 2,6-Dinitrotoluene	9.83	165	16169	3.726	ng	93
51) Acenaphthene	10.09	154	78635	4.680	ng	97
52) 3-Nitroaniline	10.00	138	15922	3.353	ng	99
53) 2,4-Dinitrophenol	10.10	184	2191	8.251	ng	# 1
54) Dibenzofuran	10.27	168	120136	4.935	ng	98
55) 4-Nitrophenol	10.14	139	10444	2.905	ng	81
56) 2,4-Dinitrotoluene	10.23	165	19540	3.498	ng	# 89
57) Fluorene	10.61	166	96591	5.013	ng	98
58) 2,3,4,6-Tetrachlorophenol	10.38	232	17501	3.352	ng	# 88
59) Diethylphthalate	10.47	149	93455	4.653	ng	100
60) 4-Chlorophenyl-phenylether	10.60	204	50012	4.981	ng	# 87
61) 4-Nitroaniline	10.61	138	18323	3.903	ng	92
62) Azobenzene	10.76	77	98607	4.754	ng	93
64) 4,6-Dinitro-2-methylphenol	10.64	198	3607	6.678	ng	# 74
65) n-Nitrosodiphenylamine	10.71	169	84687	4.431	ng	95
66) 4-Bromophenyl-phenylether	11.10	248	30207	4.298	ng	# 82
67) Hexachlorobenzene	11.15	284	32576	4.405	ng	95
68) Atrazine	11.23	200	26027	4.060	ng	98
69) Pentachlorophenol	11.35	266	8076	2.282	ng	99
70) Phenanthrene	11.58	178	151507	4.967	ng	96
71) Anthracene	11.63	178	152774	4.887	ng	98
72) Carbazole	11.78	167	130126	4.685	ng	96
73) Di-n-butylphthalate	12.11	149	135309	4.301	ng	98
74) Fluoranthene	12.77	202	160859	4.832	ng	95
76) Benzidine	13.15	184	31661	1.486	ng	96
77) Pyrene	13.01	202	161908	4.486	ng	99
79) Butylbenzylphthalate	13.61	149	45969	3.207	ng	92
80) Benzo(a)anthracene	14.19	228	146380	4.474	ng	100
81) 3,3'-Dichlorobenzidine	14.15	252	23447	2.000	ng	95
82) Chrysene	14.23	228	144892	4.830	ng	96
83) Bis(2-ethylhexyl)phthalate	14.17	149	68926	3.551	ng	98
84) Di-n-octyl phthalate	14.79	149	98276	3.320	ng	# 93
85) Indeno(1,2,3-cd)pyrene	17.37	276	94254	3.626	ng	# 92
87) Benzo(b)fluoranthene	15.29	252	117219	4.117	ng	97
88) Benzo(k)fluoranthene	15.32	252	121229	4.632	ng	96
89) Benzo(a)pyrene	15.69	252	105831	4.151	ng	97
90) Dibenzo(a,h)anthracene	17.39	278	78139	3.705	ng	97
91) Benzo(g,h,i)perylene	17.86	276	75228	3.622	ng	97

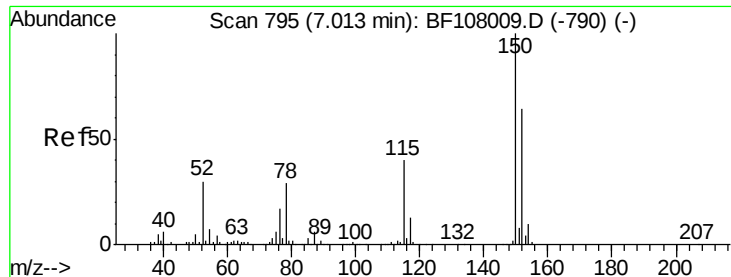
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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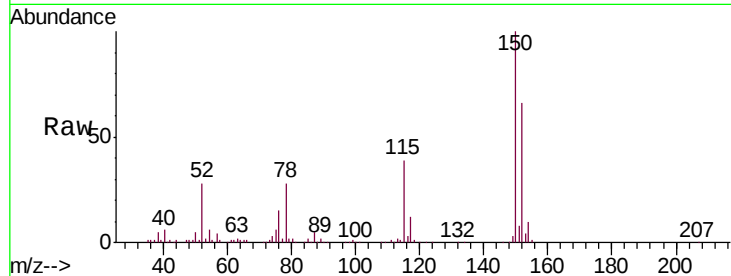


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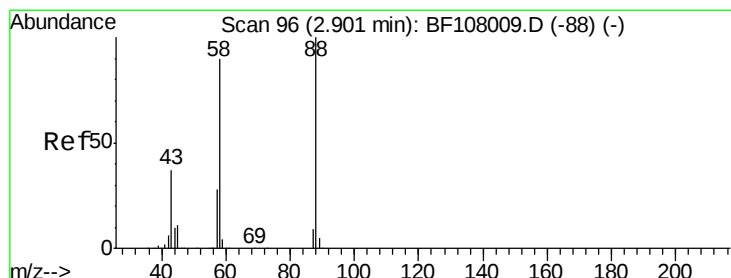
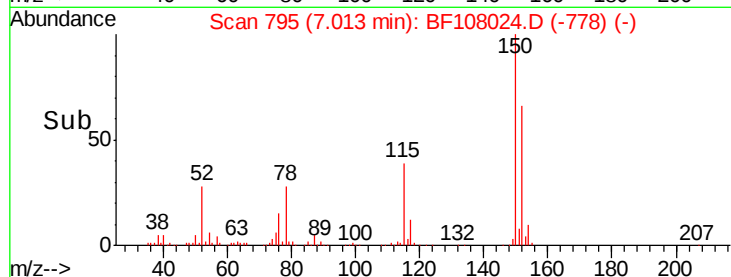
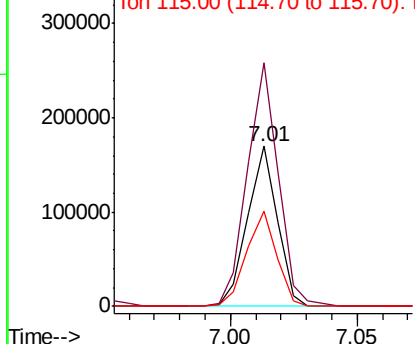
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108024.D
Acq: 8 Aug 2018 17:21

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:152 Resp: 139631
Ion Ratio Lower Upper
152 100
150 152.2 124.6 186.8
115 59.1 50.1 75.1



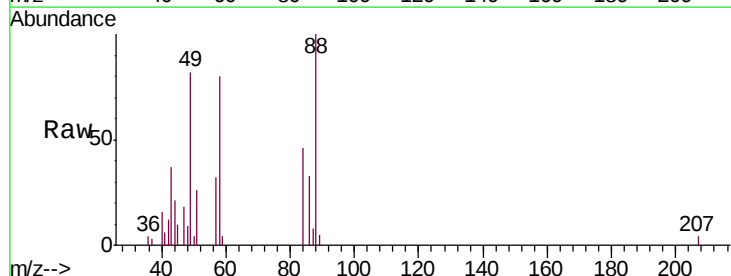
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



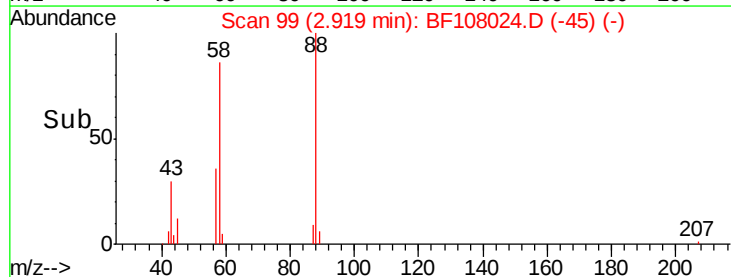
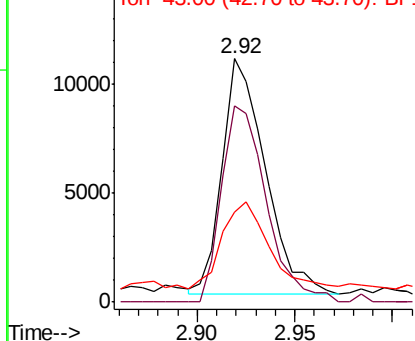
#2

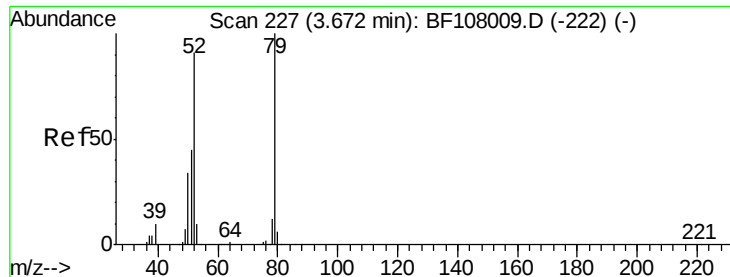
1,4-Dioxane
Concen: 4.228 ng
RT: 2.92 min Scan# 99
Delta R.T. 0.02 min
Lab File: BF108024.D
Acq: 8 Aug 2018 17:21

Tgt Ion: 88 Resp: 16757
Ion Ratio Lower Upper
88 100
58 85.9 62.6 93.8
43 39.8 24.6 37.0#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#3

Pyridine

Concen: 4.076 ng

RT: 3.71 min Scan# 233

Delta R.T. 0.04 min

Lab File: BF108024.D

Acq: 8 Aug 2018 17:21

Instrument :

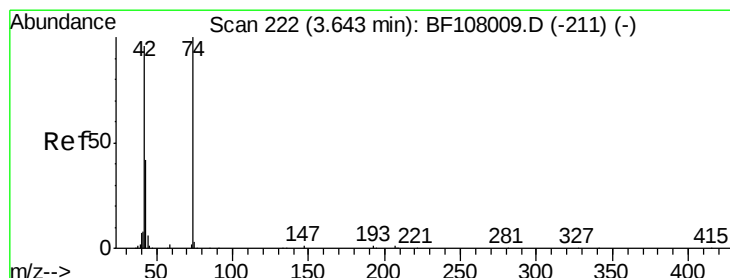
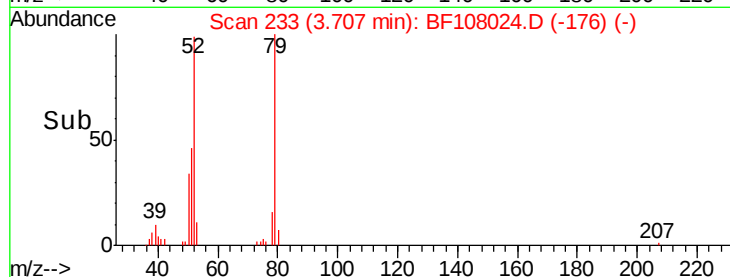
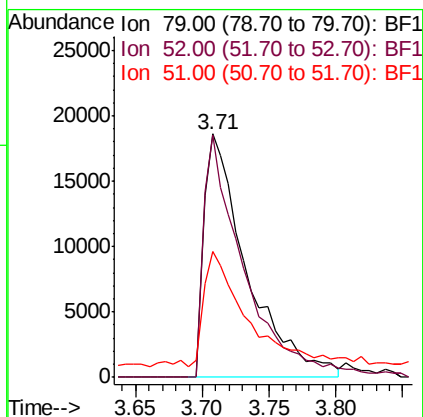
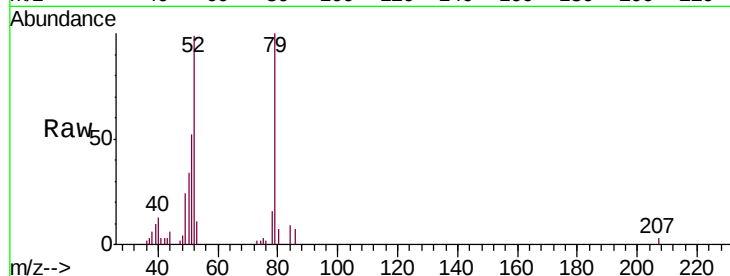
BNA_F

ClientSampleId :

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Tgt Ion: 79 Resp: 41614

Ion	Ratio	Lower	Upper
79	100		
52	99.4	59.8	89.6#
51	51.6	29.8	44.8#



#4

n-Nitrosodimethylamine

Concen: 3.980 ng

RT: 3.64 min Scan# 221

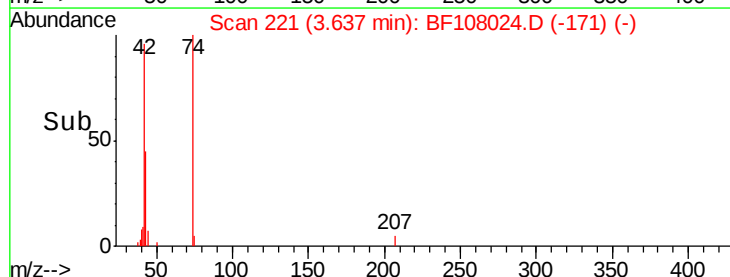
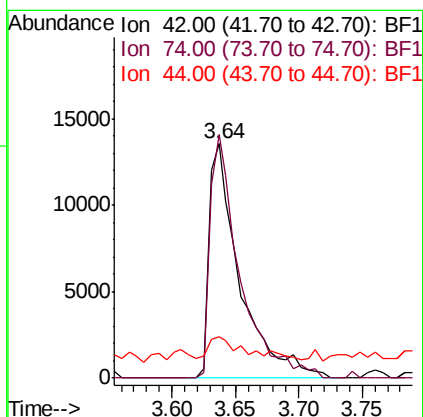
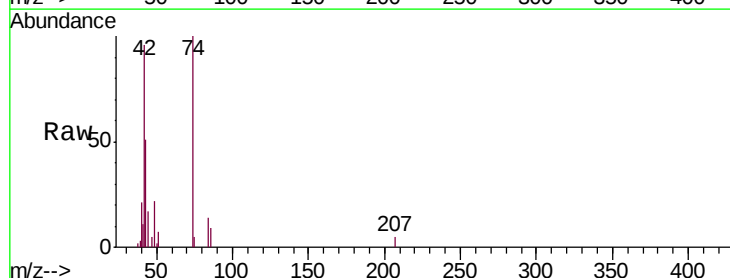
Delta R.T. -0.01 min

Lab File: BF108024.D

Acq: 8 Aug 2018 17:21

Tgt Ion: 42 Resp: 22863

Ion	Ratio	Lower	Upper
42	100		
74	104.0	104.9	157.3#
44	17.5	6.9	10.3#





#5

2-Fluorophenol

Concen: 134.297 ng

RT: 5.63 min Scan# 560

Delta R.T. 0.00 min

Lab File: BF108024.D

Acq: 8 Aug 2018 17:21

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

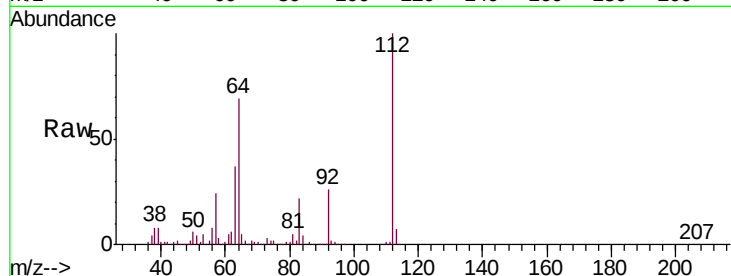
Tgt Ion:112 Resp: 1035767

Ion Ratio Lower Upper

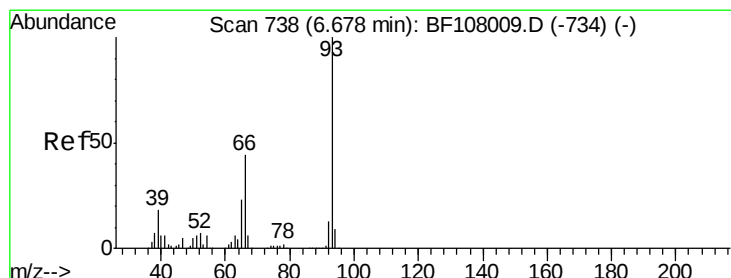
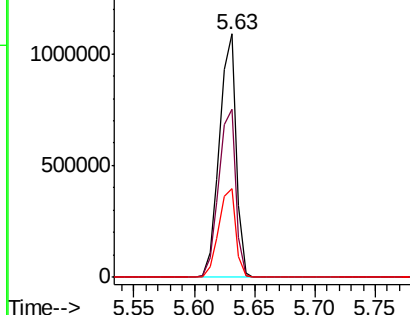
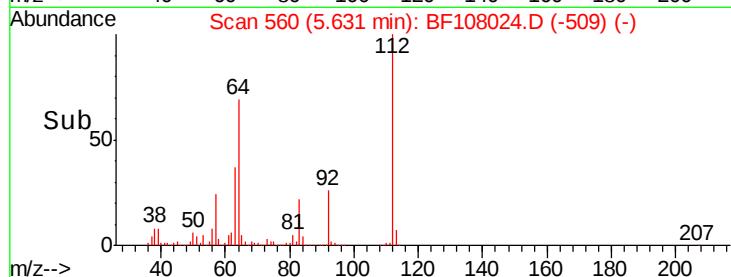
112 100

64 69.2 47.9 71.9

63 36.5 23.7 35.5#



Abundance Ion 112.00 (111.70 to 112.70): BF1
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 2.529 ng

RT: 6.67 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF108024.D

Acq: 8 Aug 2018 17:21

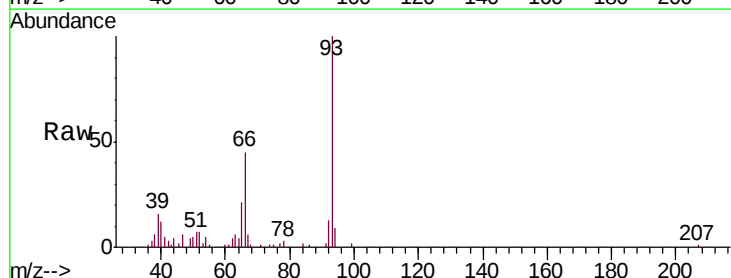
Tgt Ion: 93 Resp: 35257

Ion Ratio Lower Upper

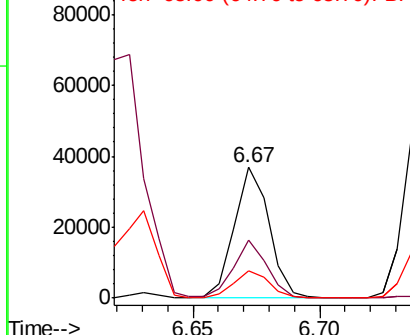
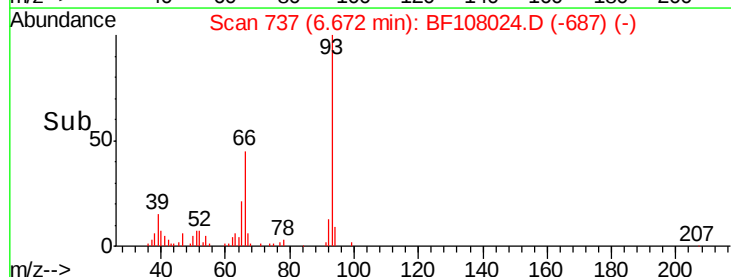
93 100

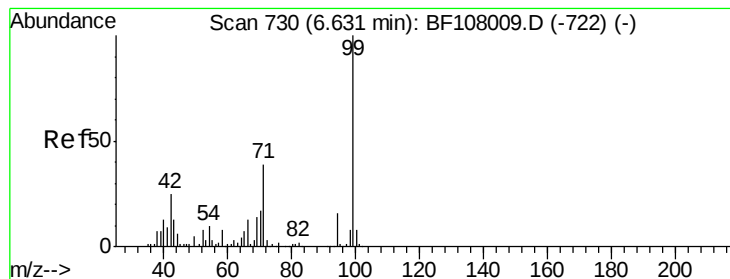
66 44.7 32.2 48.2

65 21.2 16.4 24.6



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 134.218 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

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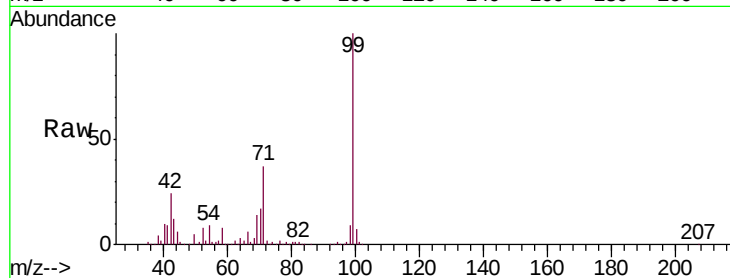
Tgt Ion: 99 Resp: 1375584

Ion Ratio Lower Upper

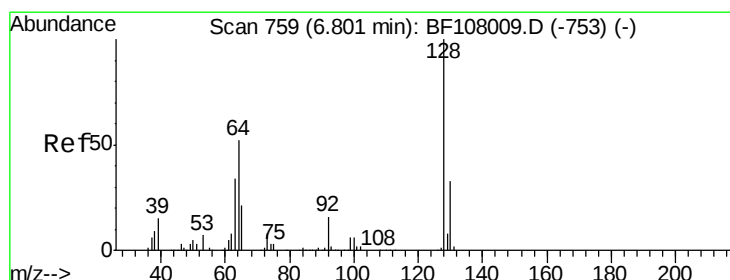
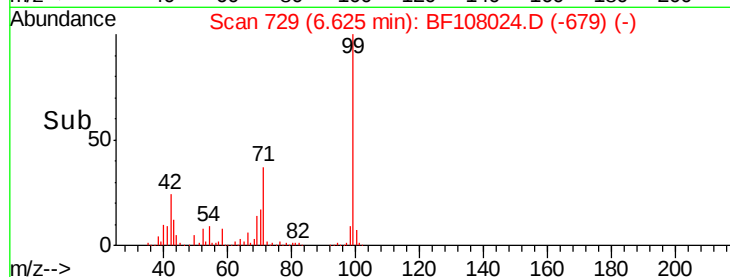
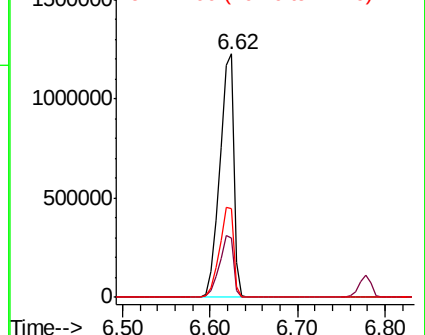
99 100

42 24.3 14.5 21.7#

71 36.5 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 4.353 ng

RT: 6.80 min Scan# 758

Delta R.T. -0.01 min

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Acq: 8 Aug 2018 17:21

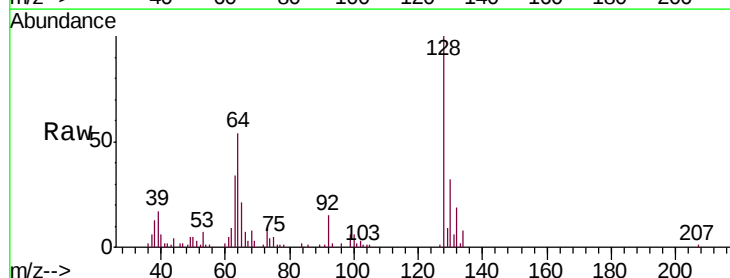
Tgt Ion: 128 Resp: 37809

Ion Ratio Lower Upper

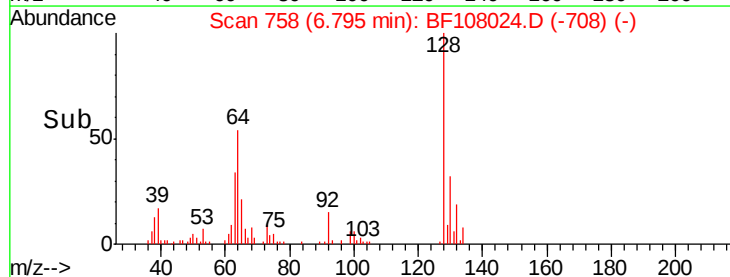
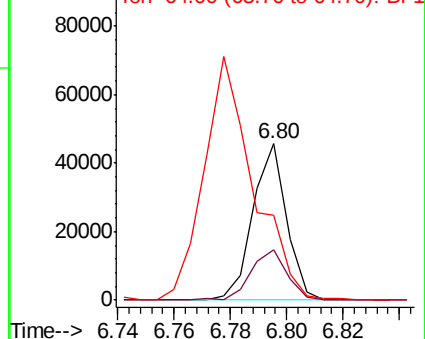
128 100

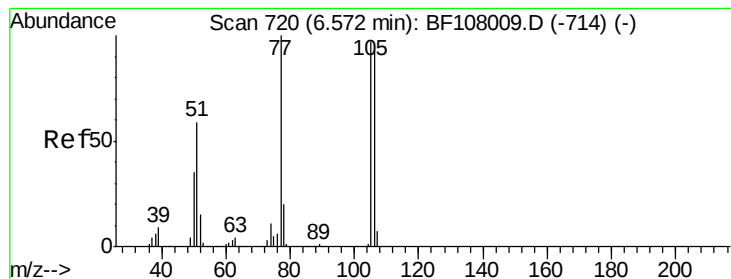
130 32.1 13.0 53.0

64 54.2 29.4 69.4



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 3.926 ng

RT: 6.57 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF108024.D

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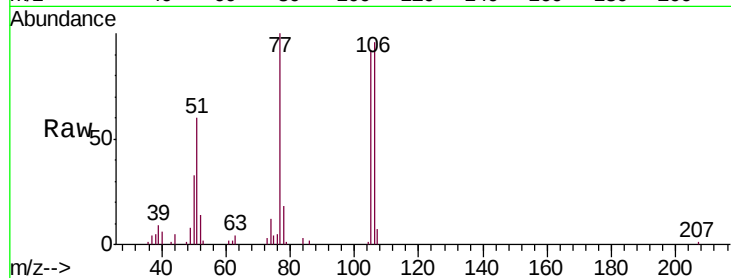
Tgt Ion: 77 Resp: 31196

Ion Ratio Lower Upper

77 100

105 92.1 81.1 121.1

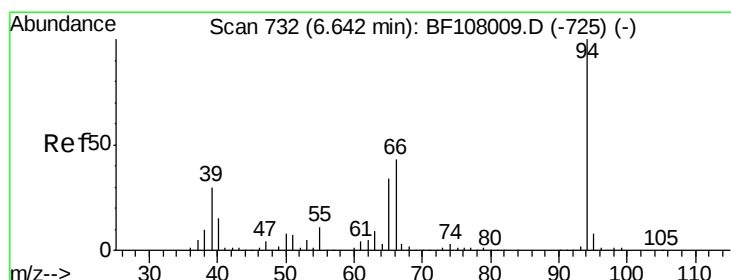
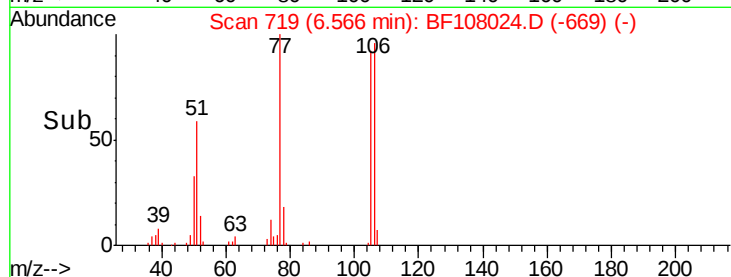
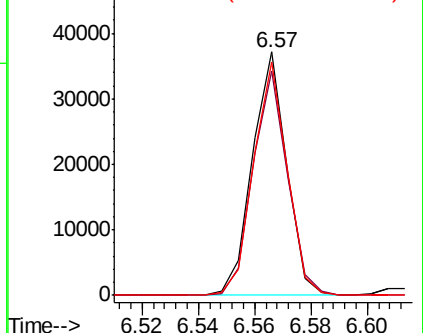
106 95.8 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 4.396 ng

RT: 6.63 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF108024.D

Acq: 8 Aug 2018 17:21

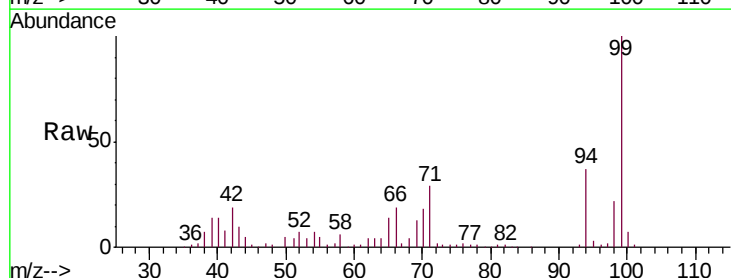
Tgt Ion: 94 Resp: 46603

Ion Ratio Lower Upper

94 100

65 37.5 7.9 47.9

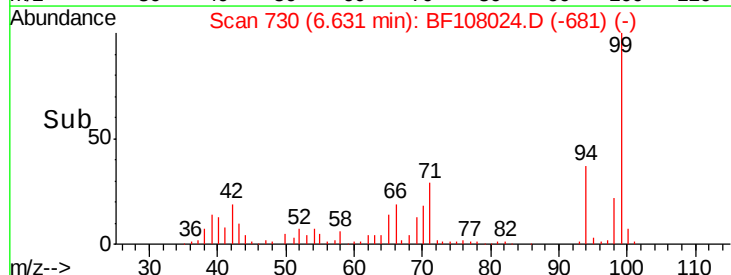
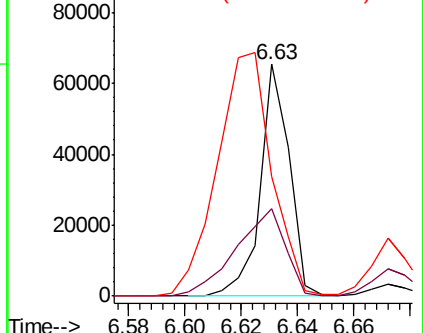
66 51.3 16.2 56.2

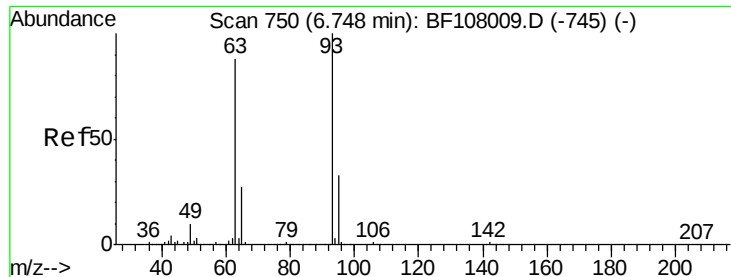


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

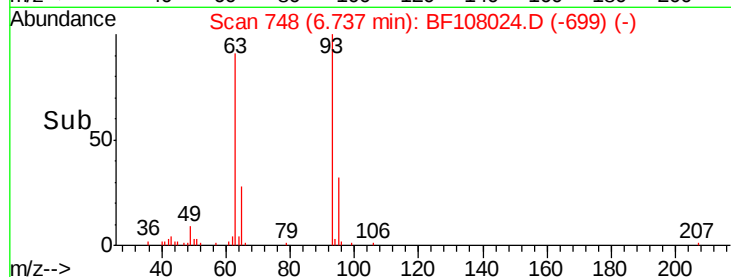
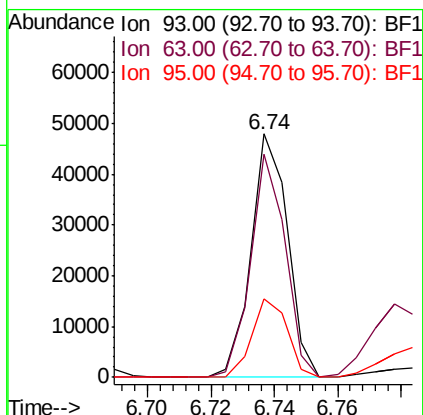
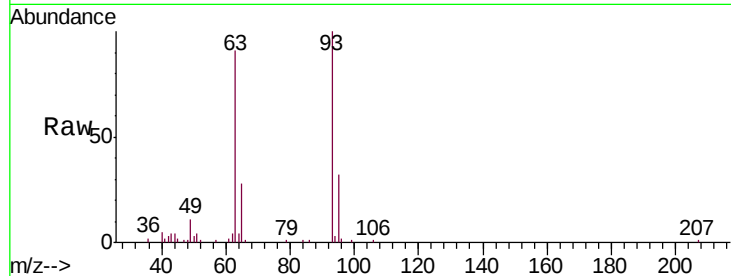




#11
 bis(2-Chloroethyl)ether
 Concen: 4.486 ng
 RT: 6.74 min Scan# 748
 Delta R.T. -0.01 min
 Lab File: BF108024.D
 Acq: 8 Aug 2018 17:21

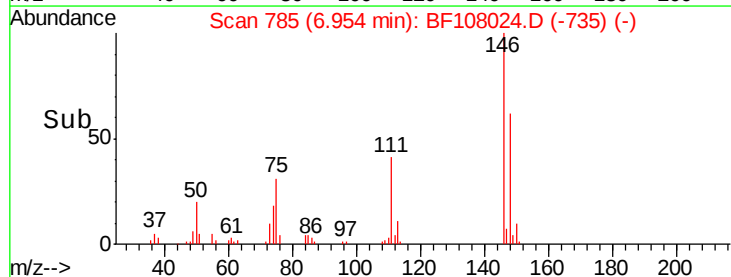
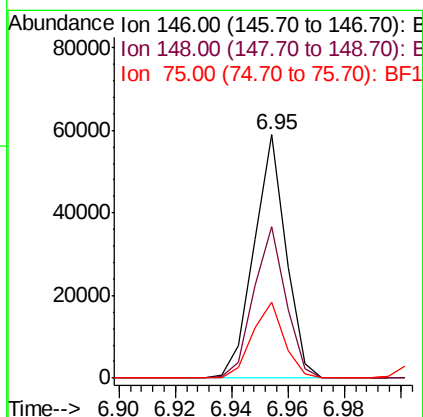
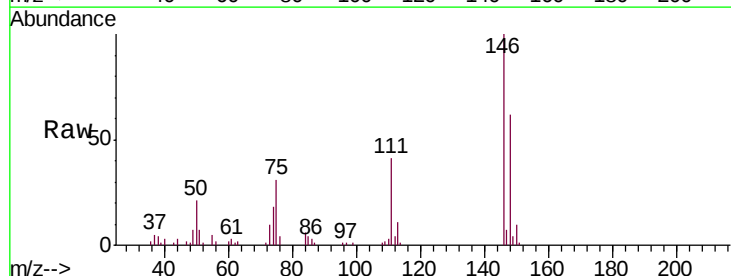
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tgt Ion: 93 Resp: 38450
 Ion Ratio Lower Upper
 93 100
 63 91.5 58.6 98.6
 95 32.4 11.8 51.8



#12
 1,3-Dichlorobenzene
 Concen: 4.608 ng
 RT: 6.95 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF108024.D
 Acq: 8 Aug 2018 17:21

Tgt Ion: 146 Resp: 46285
 Ion Ratio Lower Upper
 146 100
 148 62.2 51.8 77.8
 75 31.3 24.2 36.4





#13

1,4-Dichlorobenzene

Concen: 4.455 ng

RT: 7.03 min Scan# 798

Delta R.T. -0.01 min

Lab File: BF108024.D

Acq: 8 Aug 2018 17:21

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

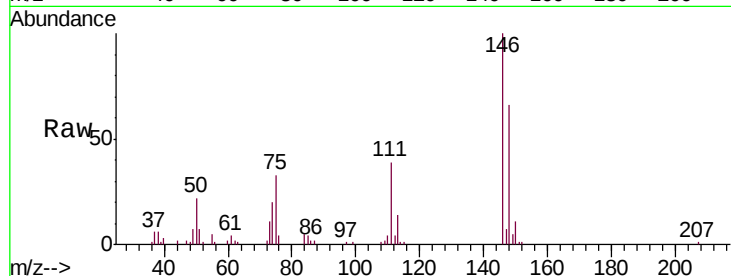
Tgt Ion:146 Resp: 44958

Ion Ratio Lower Upper

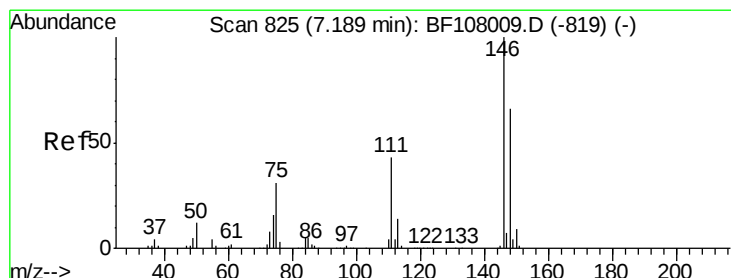
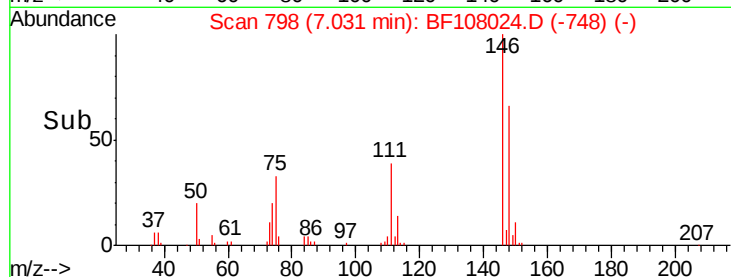
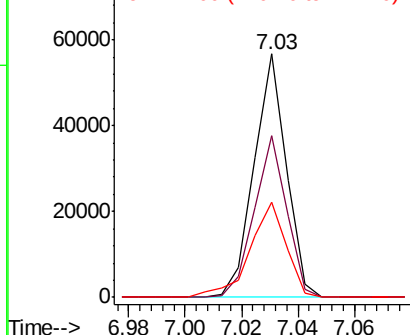
146 100

148 66.5 50.8 76.2

111 38.9 34.2 51.2



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: 4.508 ng

RT: 7.18 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF108024.D

Acq: 8 Aug 2018 17:21

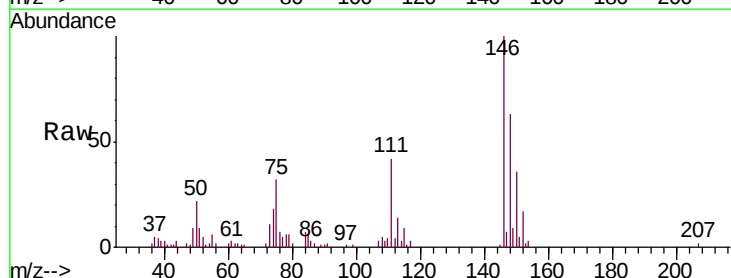
Tgt Ion:146 Resp: 42313

Ion Ratio Lower Upper

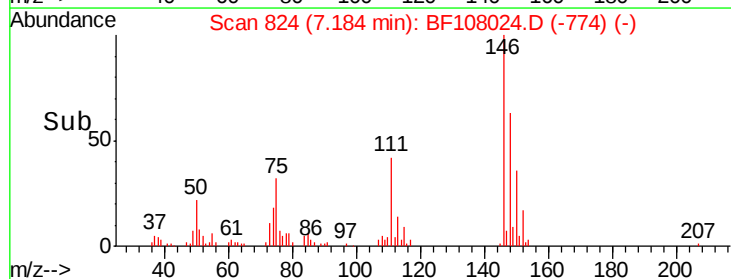
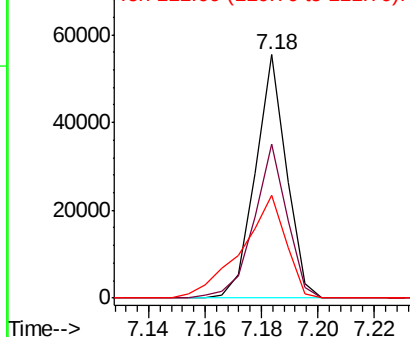
146 100

148 63.4 50.6 75.8

111 42.2 36.0 54.0



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: 2.296 ng

RT: 7.14 min Scan# 817

Delta R.T. -0.01 min

Lab File: BF108024.D

Acq: 8 Aug 2018 17:21

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

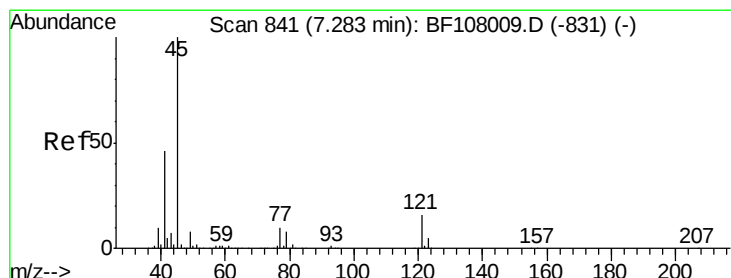
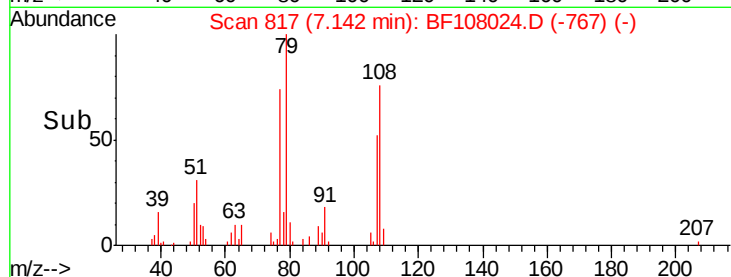
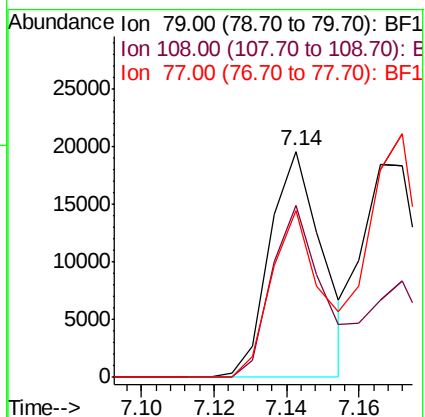
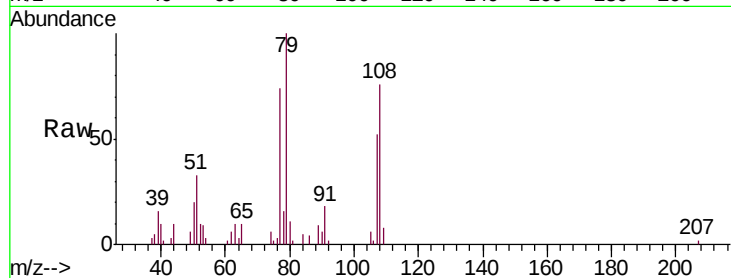
Tgt Ion: 79 Resp: 19810

Ion Ratio Lower Upper

79 100

108 76.2 65.1 97.7

77 73.8 50.6 75.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 4.304 ng

RT: 7.28 min Scan# 840

Delta R.T. -0.01 min

Lab File: BF108024.D

Acq: 8 Aug 2018 17:21

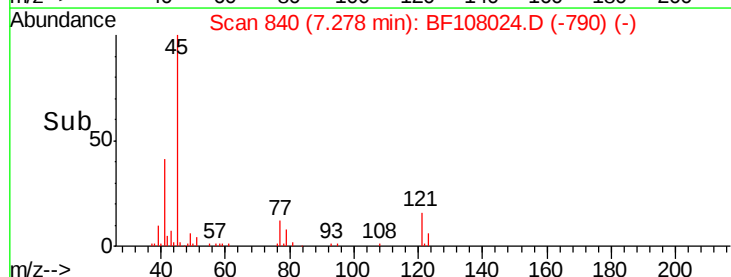
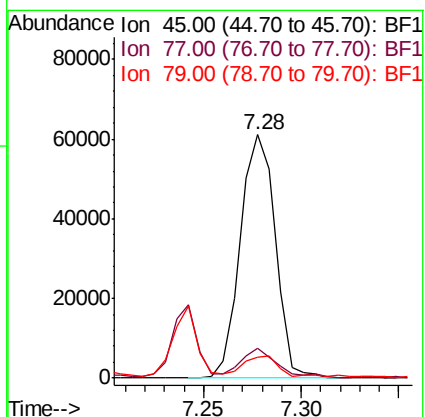
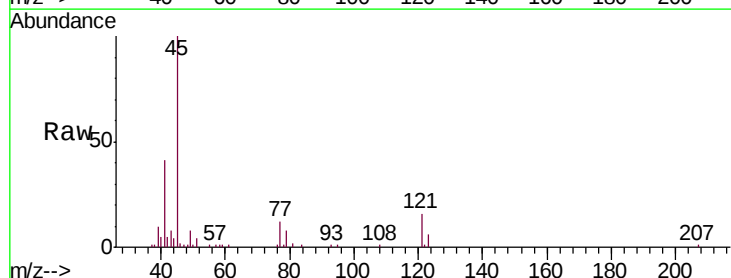
Tgt Ion: 45 Resp: 75990

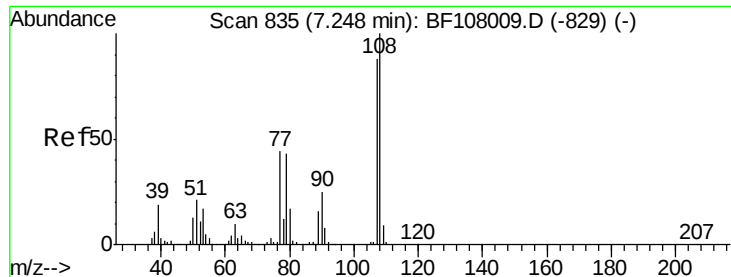
Ion Ratio Lower Upper

45 100

77 12.0 0.0 32.9

79 8.4 0.0 29.6

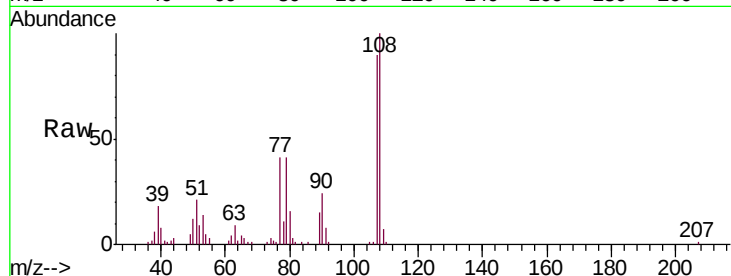




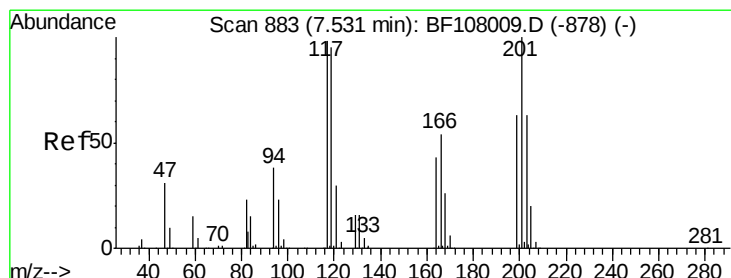
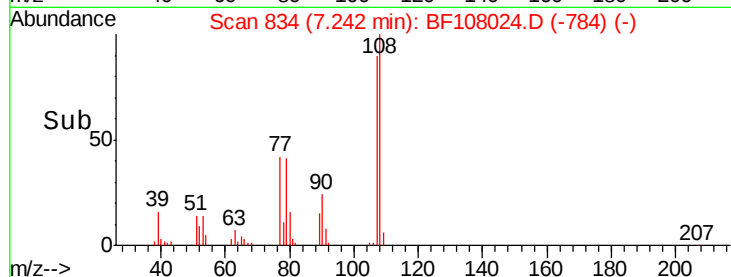
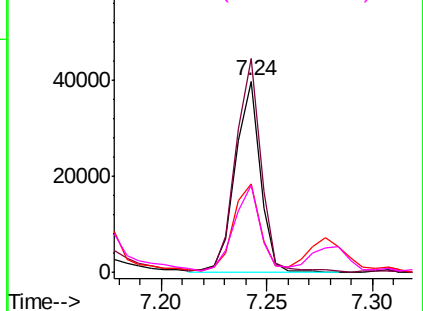
#17
2-Methylphenol
Concen: 4.370 ng
RT: 7.24 min Scan# 834
Delta R.T. -0.01 min
Lab File: BF108024.D
Acq: 8 Aug 2018 17:21

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:	107	Resp:	32555
Ion	Ratio	Lower	Upper
107	100		
108	111.7	91.7	137.5
77	46.2	33.8	50.8
79	45.7	33.8	50.8

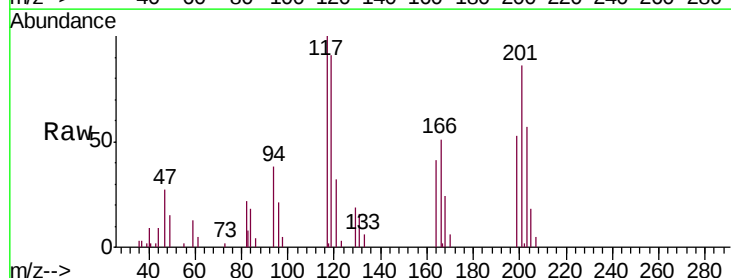


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

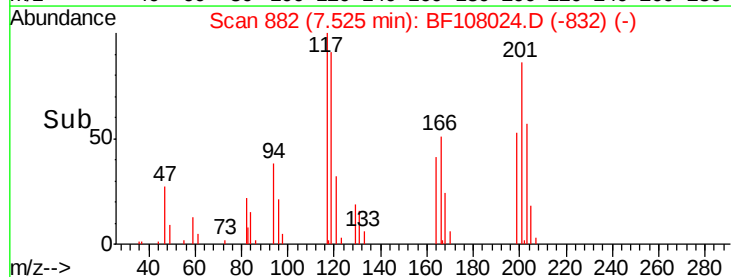
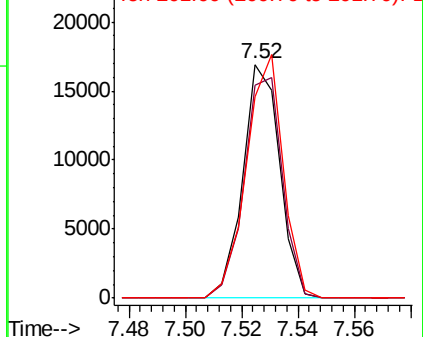


#18
Hexachloroethane
Concen: 4.275 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF108024.D
Acq: 8 Aug 2018 17:21

Tgt Ion:	117	Resp:	15359
Ion	Ratio	Lower	Upper
117	100		
119	91.2	75.8	113.8
201	86.1	75.7	113.5



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

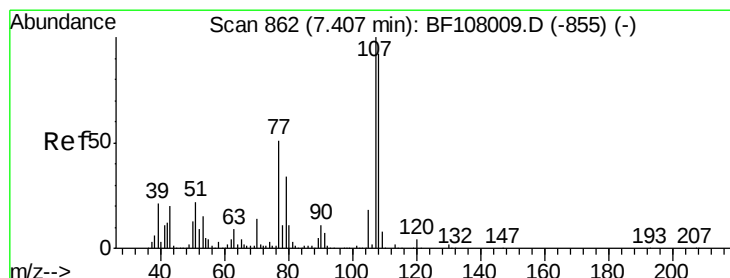
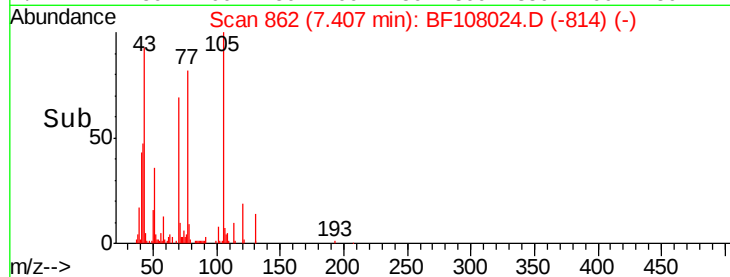
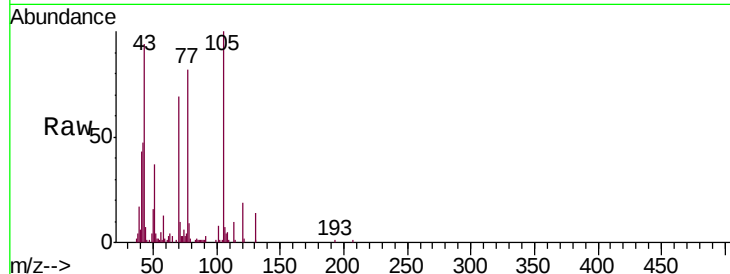
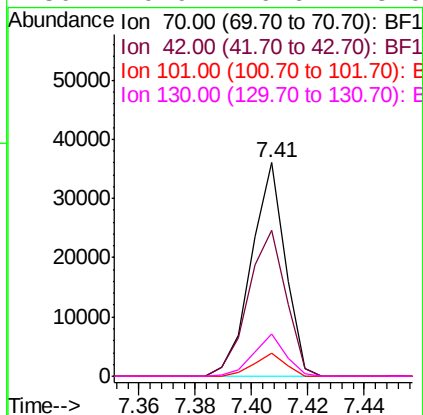




#19
n-Nitroso-di-n-propylamine
Concen: 4.355 ng
RT: 7.41 min Scan# 862
Delta R.T. -0.02 min
Lab File: BF108024.D
Acq: 8 Aug 2018 17:21

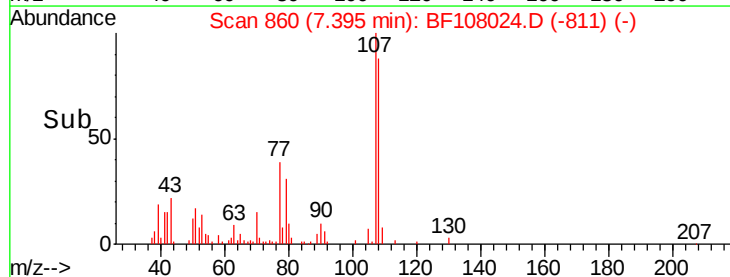
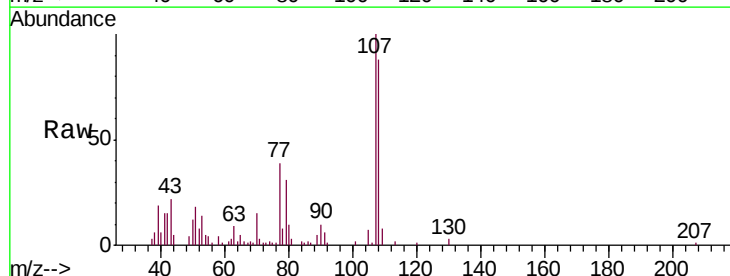
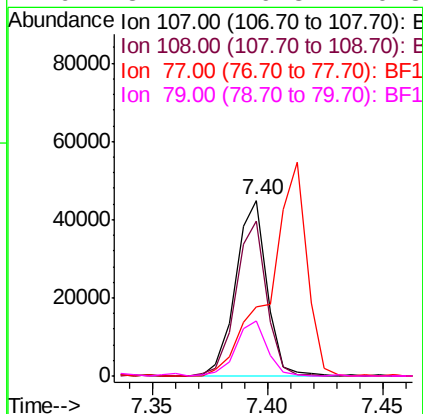
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

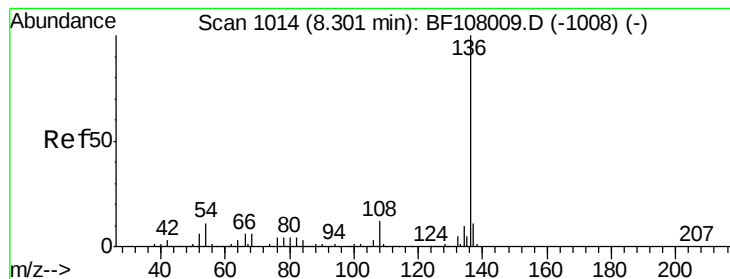
Tgt Ion:	70	Resp:	30180
Ion	Ratio	Lower	Upper
70	100		
42	68.3	47.5	71.3
101	10.9	7.4	11.2
130	19.9	16.6	25.0



#20
3+4-Methylphenols
Concen: 4.452 ng
RT: 7.40 min Scan# 860
Delta R.T. -0.01 min
Lab File: BF108024.D
Acq: 8 Aug 2018 17:21

Tgt Ion:	107	Resp:	42502
Ion	Ratio	Lower	Upper
107	100		
108	88.5	68.2	108.2
77	39.3	26.7	66.7
79	31.1	6.3	46.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF108024.D

Acq: 8 Aug 2018 17:21

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tgt Ion:136 Resp: 558911

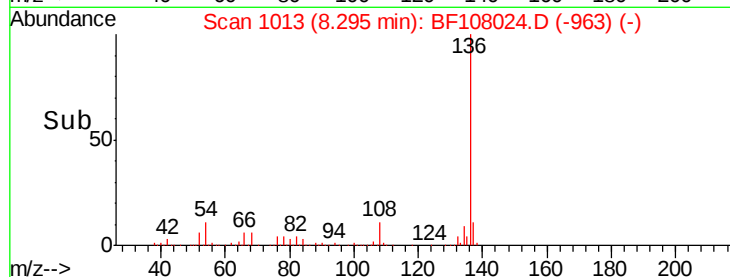
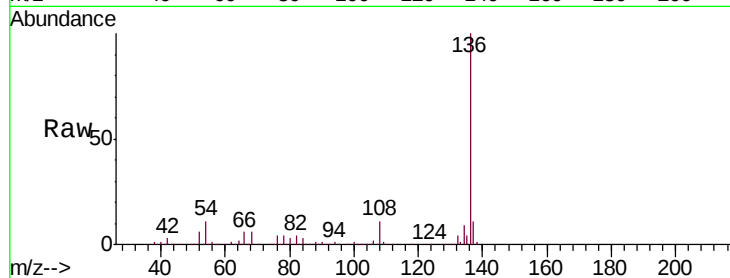
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 10.8 6.6 9.8#

68 6.5 5.0 7.4

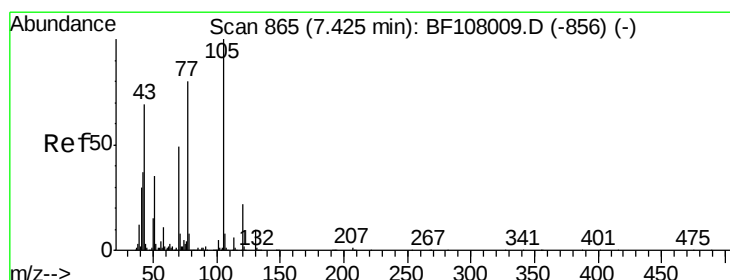
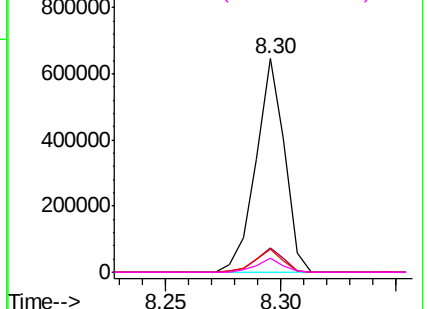


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 4.632 ng

RT: 7.41 min Scan# 863

Delta R.T. -0.01 min

Lab File: BF108024.D

Acq: 8 Aug 2018 17:21

Tgt Ion:105 Resp: 60531

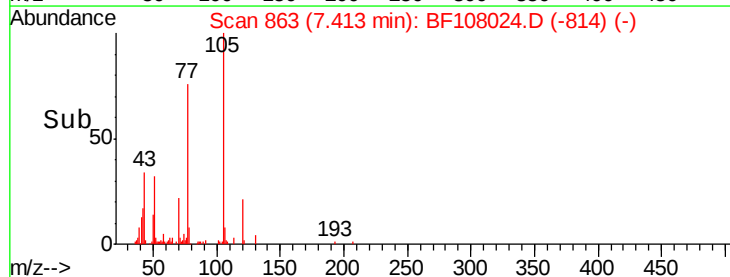
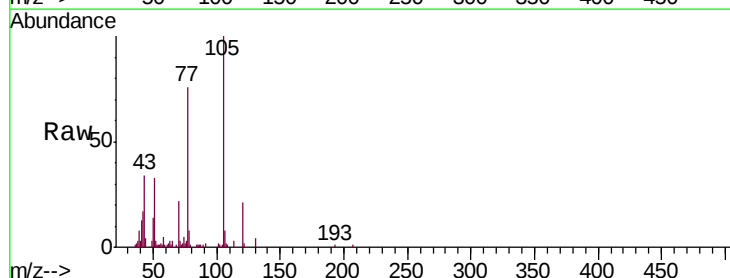
Ion Ratio Lower Upper

105 100

71 3.4 4.4 6.6#

51 32.8 22.3 33.5

120 21.2 16.9 25.3

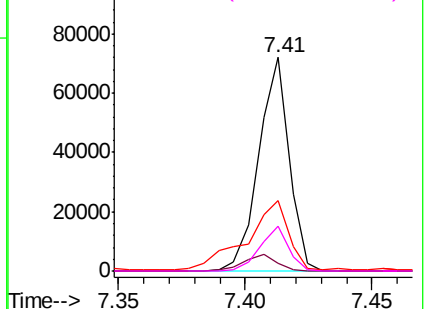


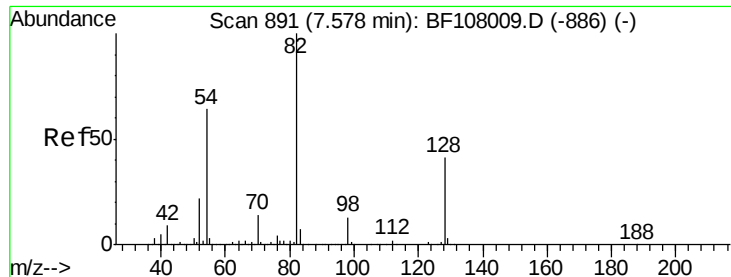
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 83.969 ng

RT: 7.57 min Scan# 890

Delta R.T. -0.01 min

Lab File: BF108024.D

Acq: 8 Aug 2018 17:21

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

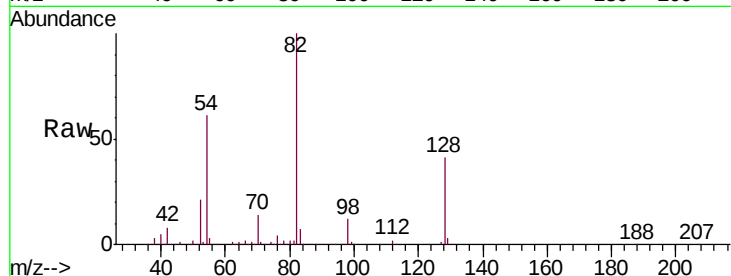
Tgt Ion: 82 Resp: 841042

Ion Ratio Lower Upper

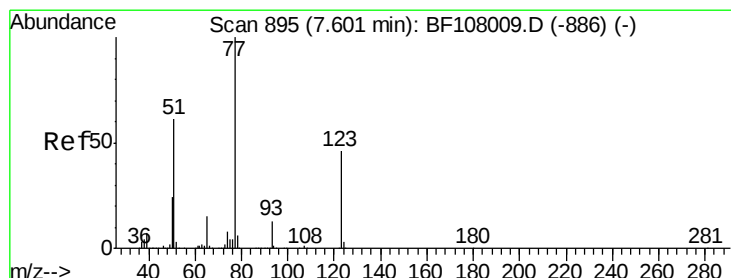
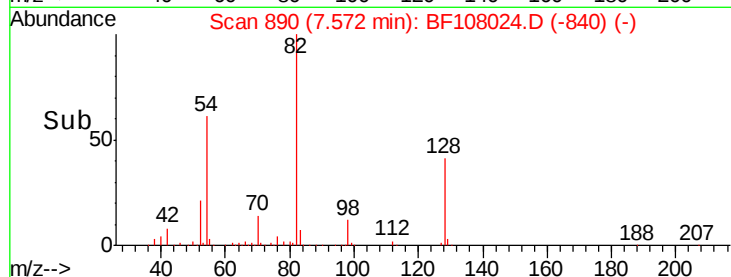
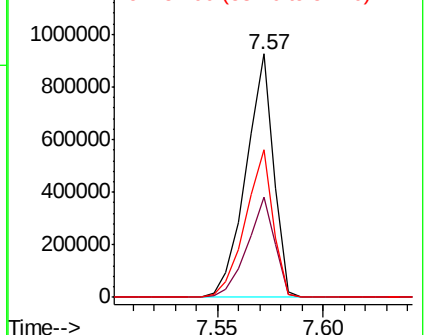
82 100

128 41.1 36.1 54.1

54 60.9 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#24

Nitrobenzene

Concen: 4.668 ng

RT: 7.59 min Scan# 893

Delta R.T. -0.01 min

Lab File: BF108024.D

Acq: 8 Aug 2018 17:21

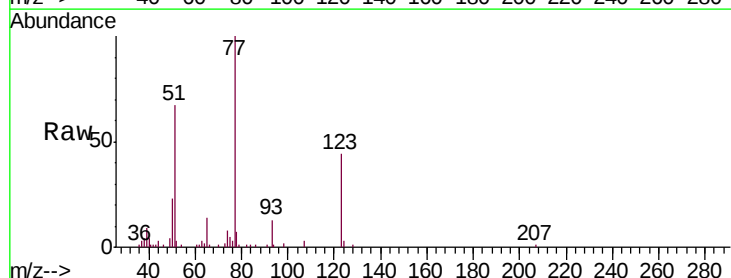
Tgt Ion: 77 Resp: 47281

Ion Ratio Lower Upper

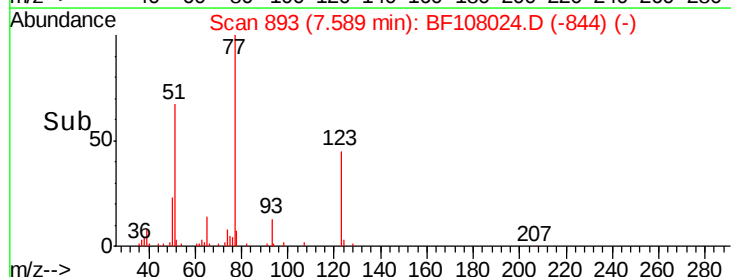
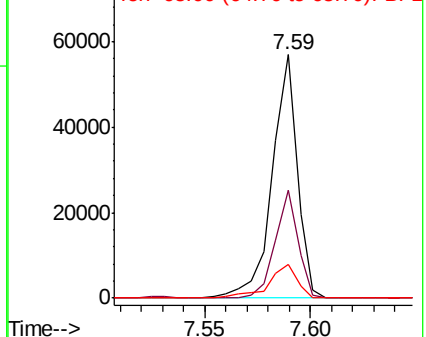
77 100

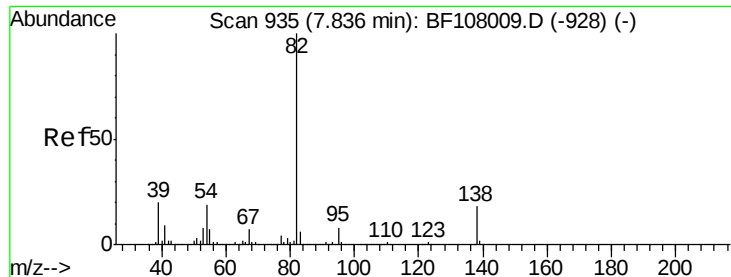
123 44.3 37.9 56.9

65 13.6 11.0 16.4



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 4.167 ng

RT: 7.82 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF108024.D

Acq: 8 Aug 2018 17:21

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

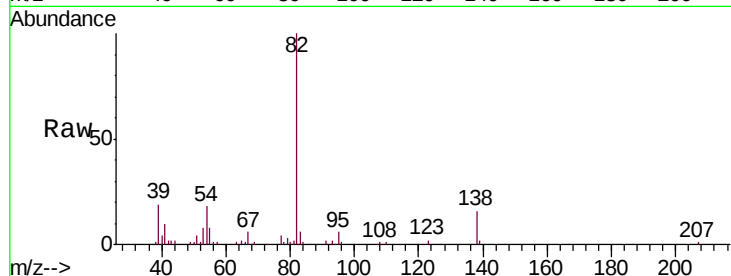
Tgt Ion: 82 Resp: 79545

Ion Ratio Lower Upper

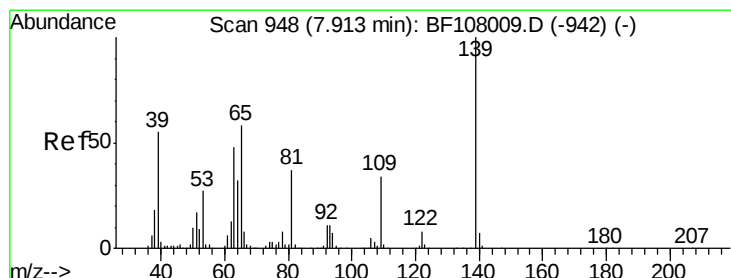
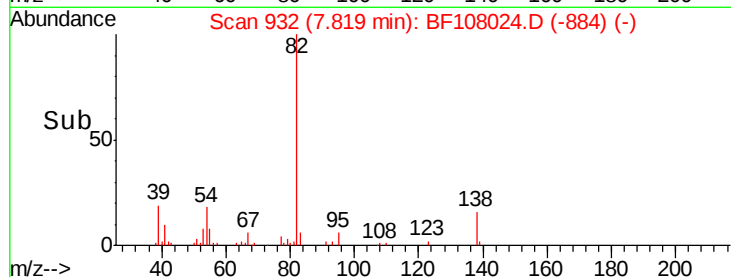
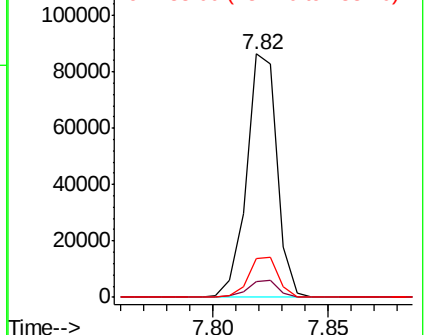
82 100

95 6.4 5.2 7.8

138 15.8 14.9 22.3



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 3.059 ng

RT: 7.91 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF108024.D

Acq: 8 Aug 2018 17:21

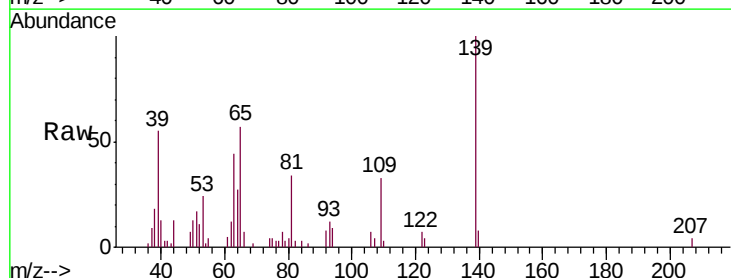
Tgt Ion: 139 Resp: 11699

Ion Ratio Lower Upper

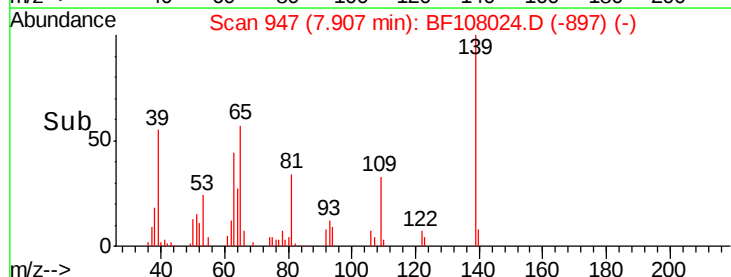
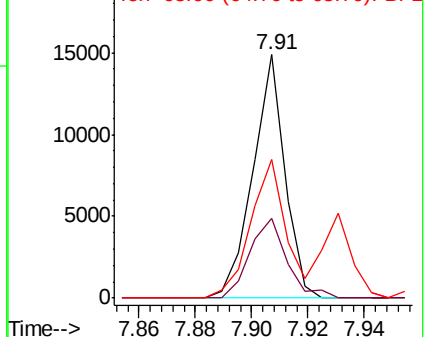
139 100

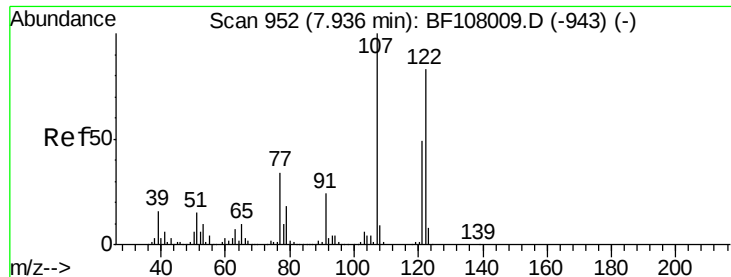
109 32.8 22.7 34.1

65 56.9 40.5 60.7



Abundance Ion 139.00 (138.70 to 139.70): BF1
Ion 109.00 (108.70 to 109.70): BF1
Ion 65.00 (64.70 to 65.70): BF1

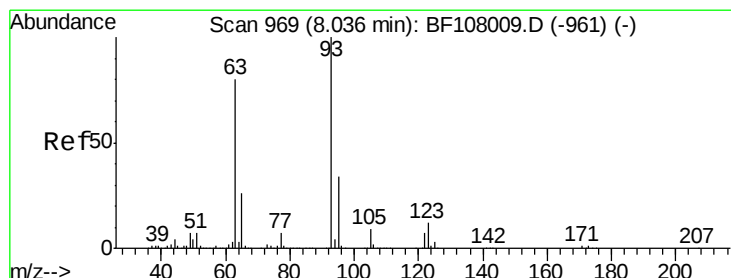
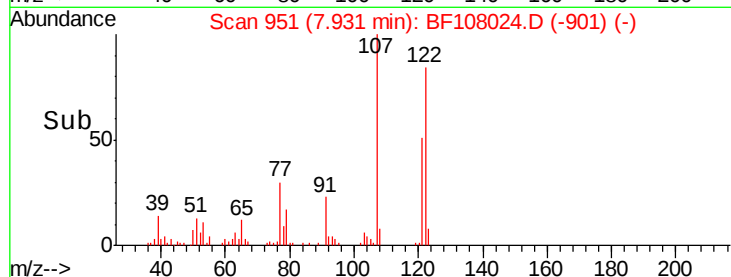
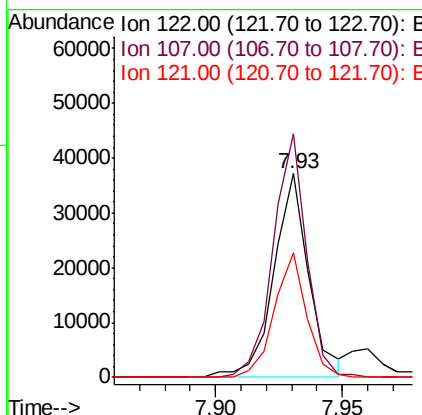
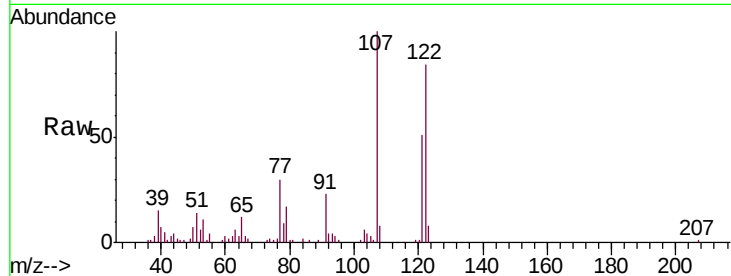




#27
 2,4-Dimethylphenol
 Concen: 4.260 ng
 RT: 7.93 min Scan# 951
 Delta R.T. -0.01 min
 Lab File: BF108024.D
 Acq: 8 Aug 2018 17:21

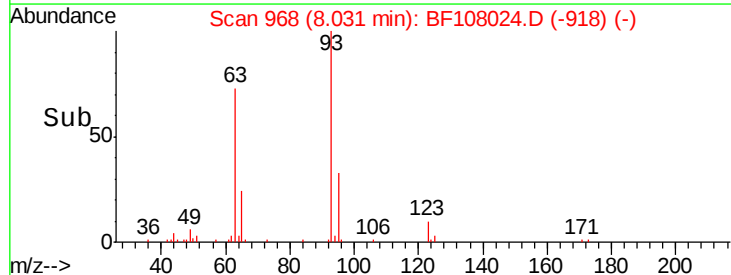
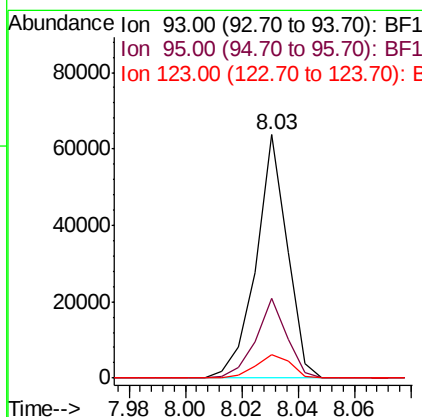
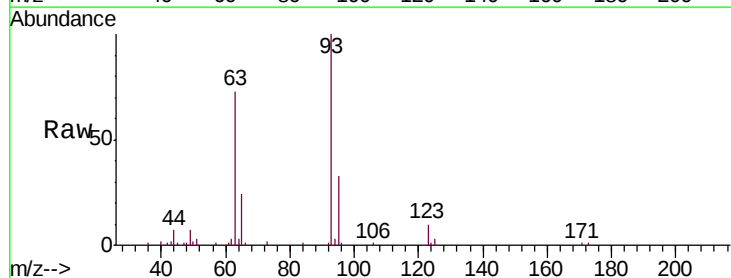
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

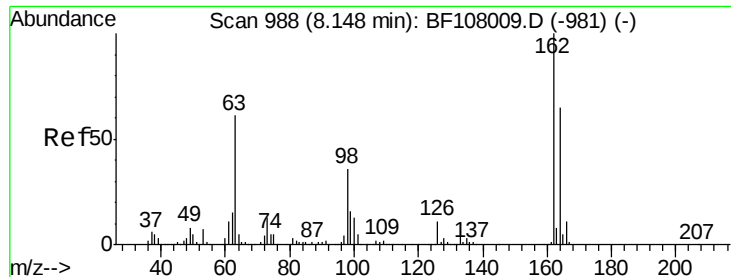
Tgt Ion:122 Resp: 36096
 Ion Ratio Lower Upper
 122 100
 107 119.5 91.2 136.8
 121 61.1 47.2 70.8



#28
 bis(2-Chloroethoxy)methane
 Concen: 4.370 ng
 RT: 8.03 min Scan# 968
 Delta R.T. -0.01 min
 Lab File: BF108024.D
 Acq: 8 Aug 2018 17:21

Tgt Ion: 93 Resp: 48704
 Ion Ratio Lower Upper
 93 100
 95 32.8 26.3 39.5
 123 9.7 9.8 14.6#

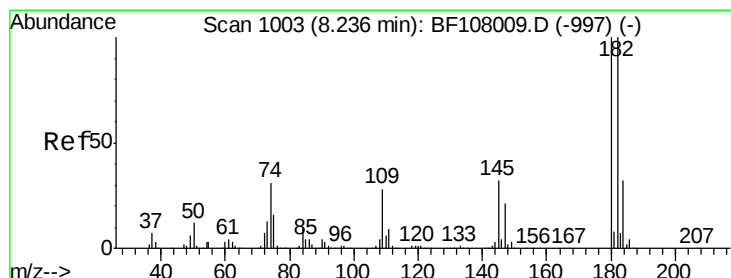
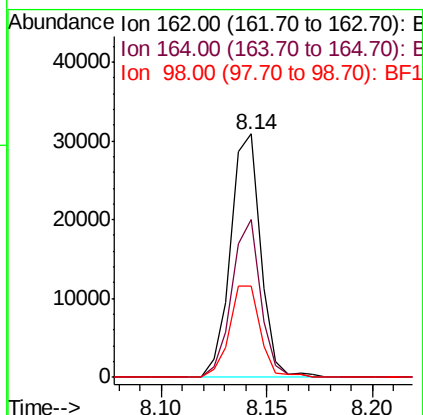
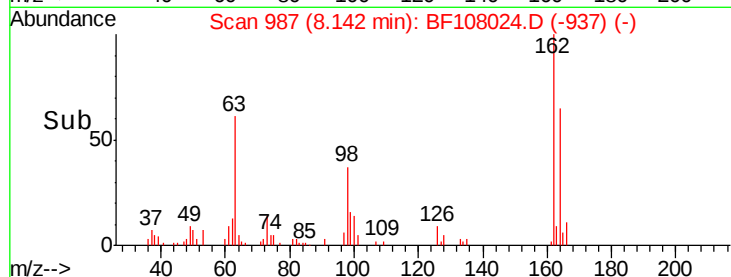
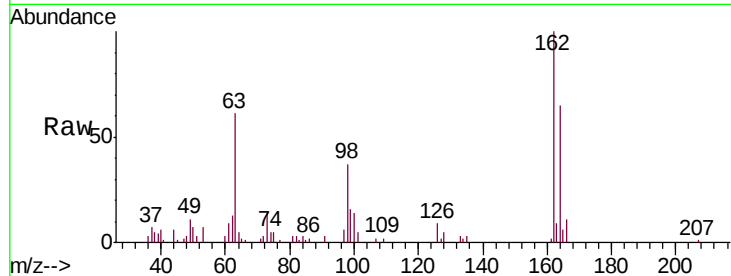




#29
 2,4-Dichlorophenol
 Concen: 3.877 ng
 RT: 8.14 min Scan# 987
 Delta R.T. -0.01 min
 Lab File: BF108024.D
 Acq: 8 Aug 2018 17:21

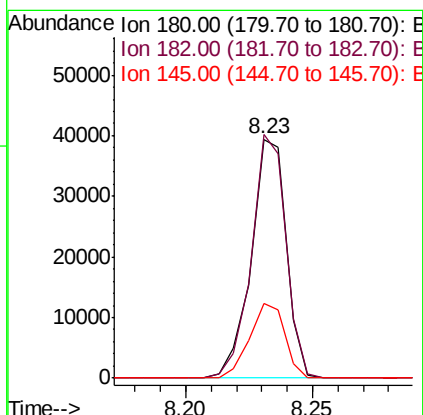
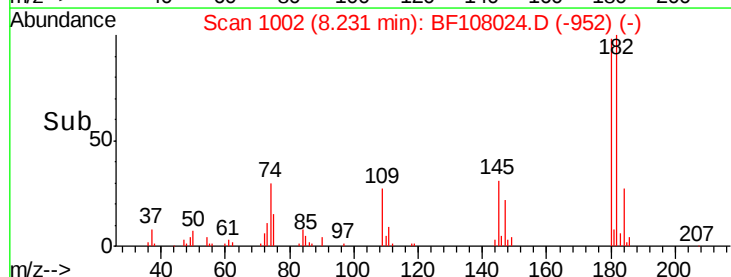
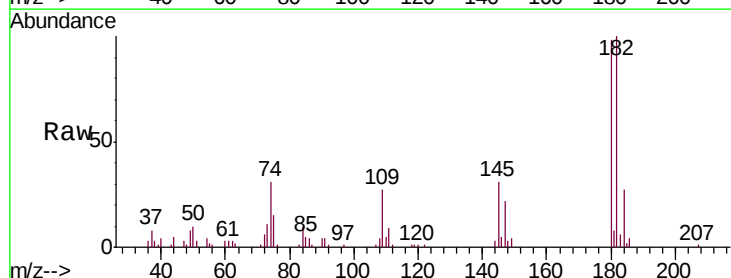
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

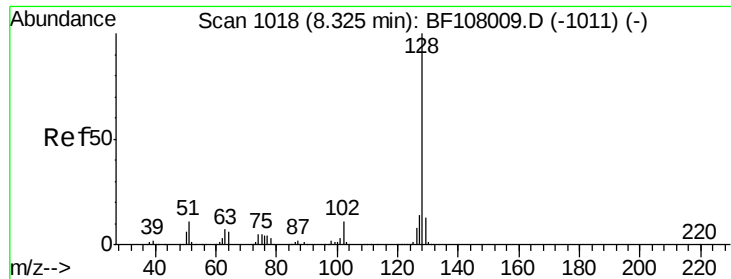
Tgt Ion:162 Resp: 30228
 Ion Ratio Lower Upper
 162 100
 164 64.9 42.7 82.7
 98 37.4 18.1 58.1



#30
 1,2,4-Trichlorobenzene
 Concen: 4.460 ng
 RT: 8.23 min Scan# 1002
 Delta R.T. -0.01 min
 Lab File: BF108024.D
 Acq: 8 Aug 2018 17:21

Tgt Ion:180 Resp: 38340
 Ion Ratio Lower Upper
 180 100
 182 101.9 76.8 115.2
 145 31.2 26.5 39.7

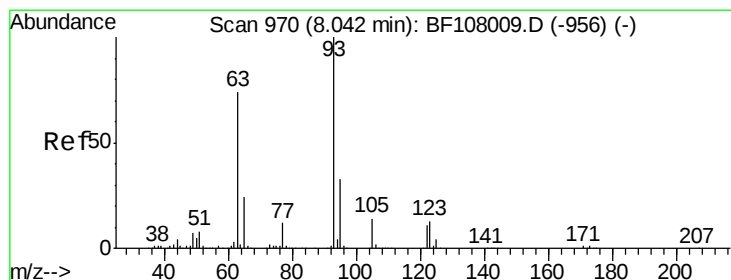
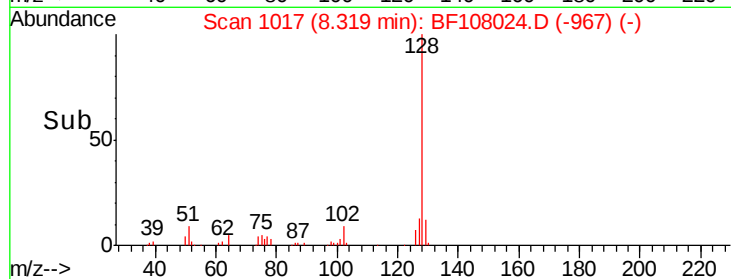
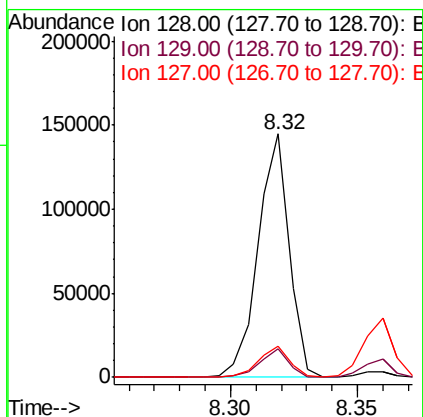
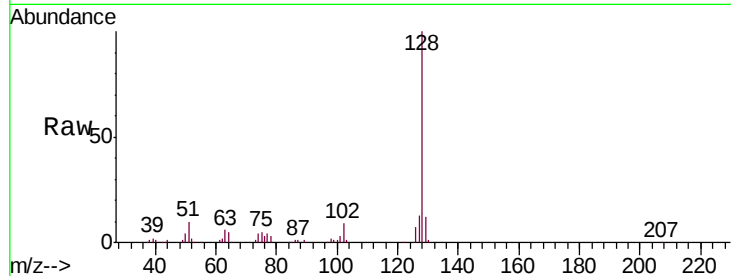




#31
Naphthalene
Concen: 4.881 ng
RT: 8.32 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF108024.D
Acq: 8 Aug 2018 17:21

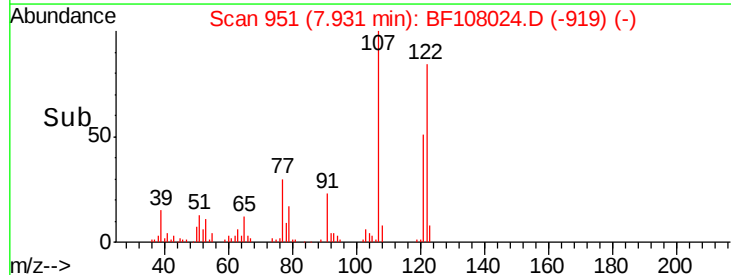
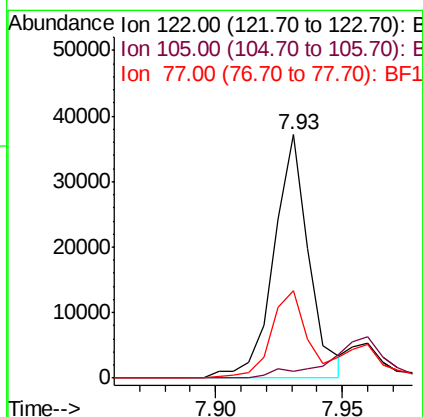
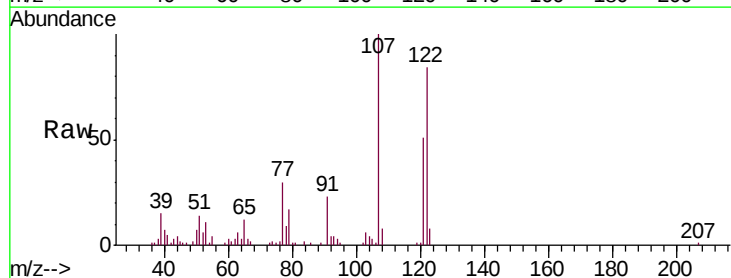
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

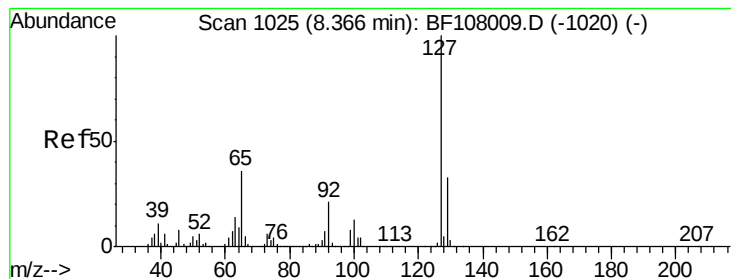
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.8	13.2
127	12.7	10.9	16.3



#32
Benzoic acid
Concen: 12.402 ng
RT: 7.93 min Scan# 951
Delta R.T. -0.11 min
Lab File: BF108024.D
Acq: 8 Aug 2018 17:21

Tgt Ion	Ratio	Lower	Upper
122	100		
105	3.0	101.1	141.1#
77	36.0	70.7	110.7#





#33

4-Chloroaniline

Concen: 2.592 ng

RT: 8.36 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BF108024.D

Acq: 8 Aug 2018 17:21

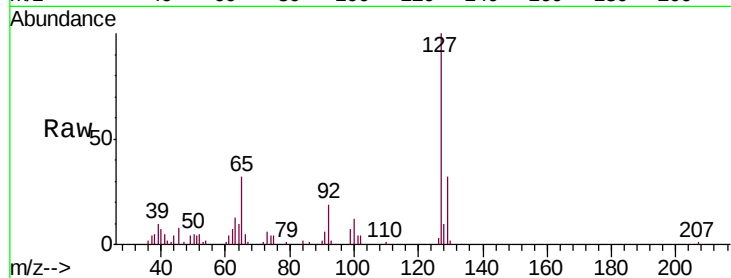
Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tgt Ion:	127	Resp:	28713
Ion	Ratio	Lower	Upper
127	100		
129	31.5	25.9	38.9
65	32.4	25.0	37.4
92	18.8	15.2	22.8



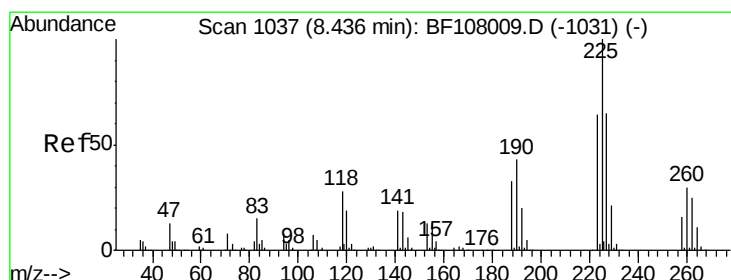
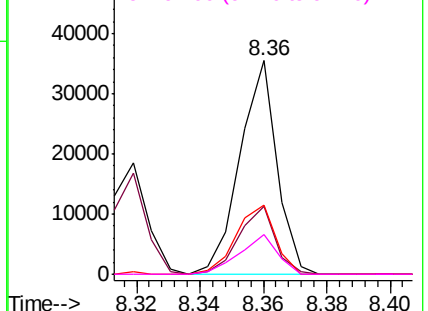
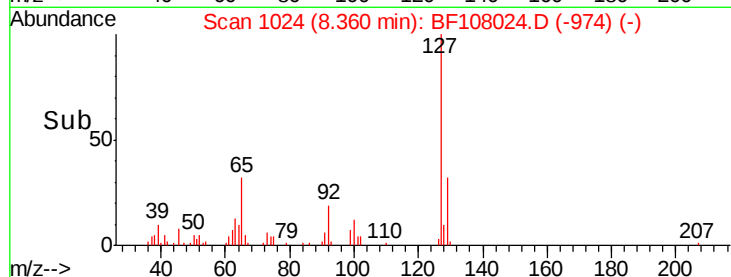
Abundance

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): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34

Hexachlorobutadiene

Concen: 4.302 ng

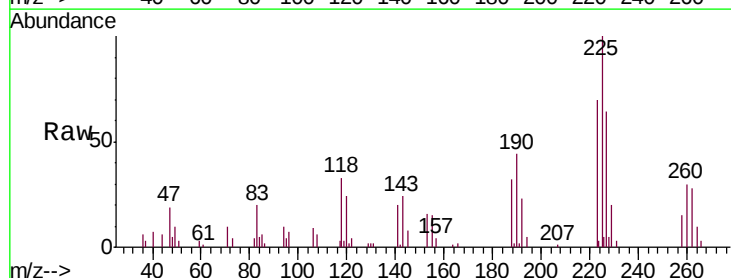
RT: 8.43 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF108024.D

Acq: 8 Aug 2018 17:21

Tgt Ion:	225	Resp:	23414
Ion	Ratio	Lower	Upper
225	100		
223	70.2	50.6	76.0
227	63.5	51.9	77.9

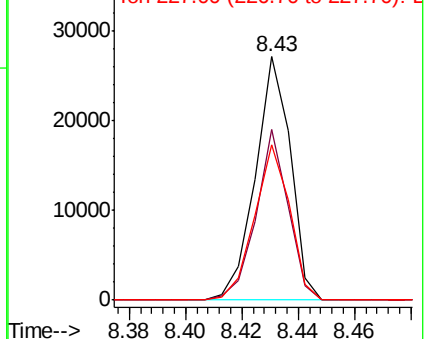
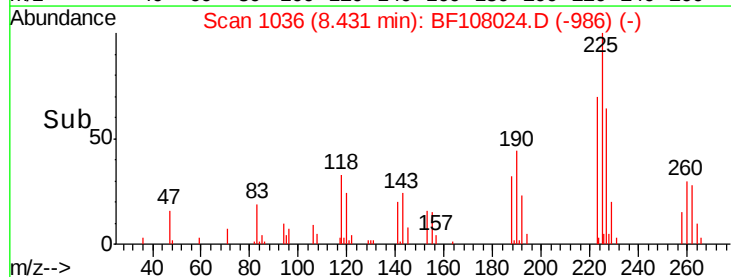


Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

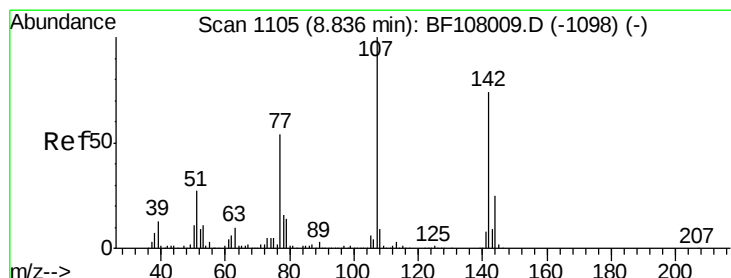
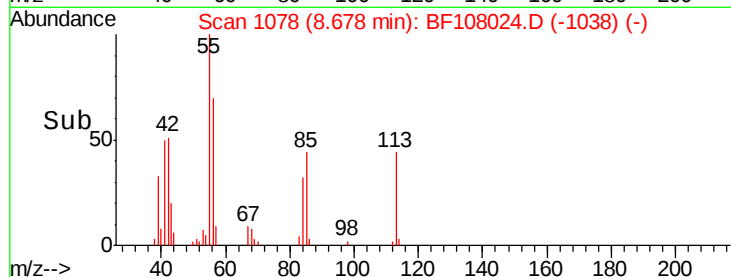
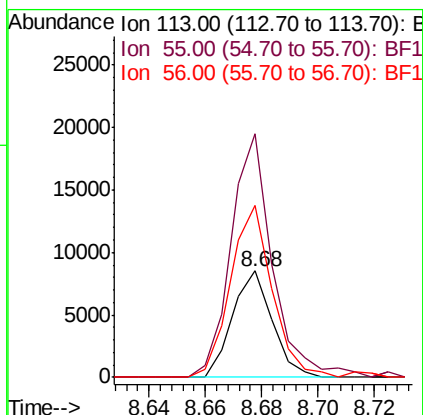
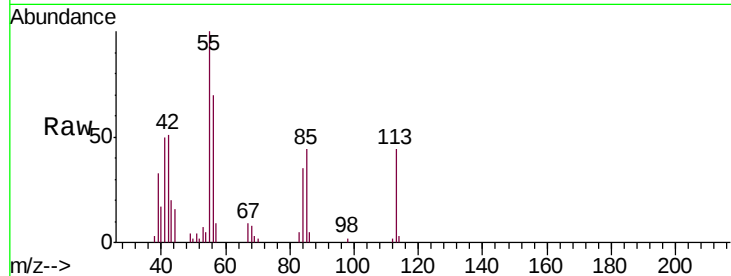




#35
 Caprolactam
 Concen: 3.407 ng
 RT: 8.68 min Scan# 1078
 Delta R.T. -0.06 min
 Lab File: BF108024.D
 Acq: 8 Aug 2018 17:21

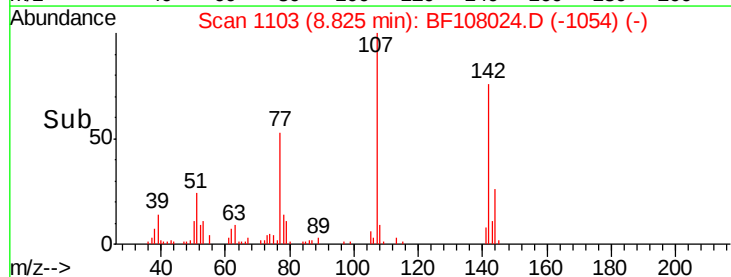
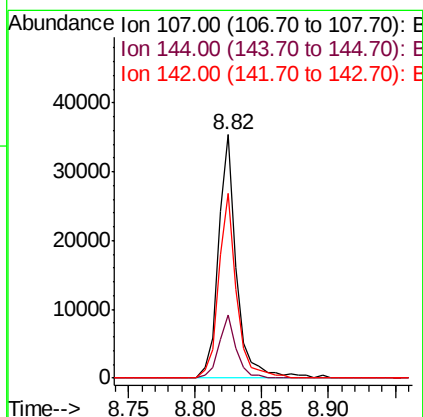
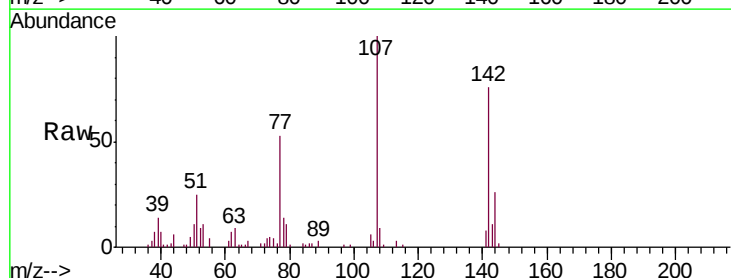
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

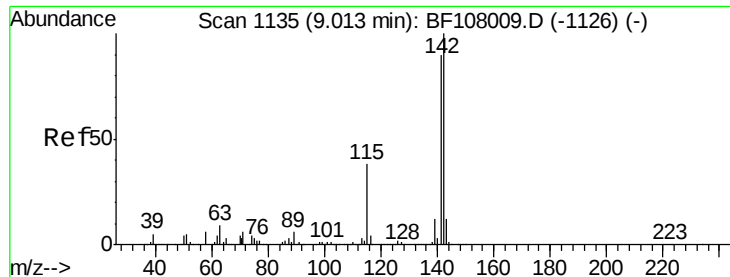
Tgt Ion:113 Resp: 8324
 Ion Ratio Lower Upper
 113 100
 55 229.4 163.3 203.3#
 56 161.6 115.7 155.7#



#36
 4-Chloro-3-methylphenol
 Concen: 4.018 ng
 RT: 8.82 min Scan# 1103
 Delta R.T. -0.01 min
 Lab File: BF108024.D
 Acq: 8 Aug 2018 17:21

Tgt Ion:107 Resp: 33798
 Ion Ratio Lower Upper
 107 100
 144 26.1 20.5 30.7
 142 75.9 62.0 93.0

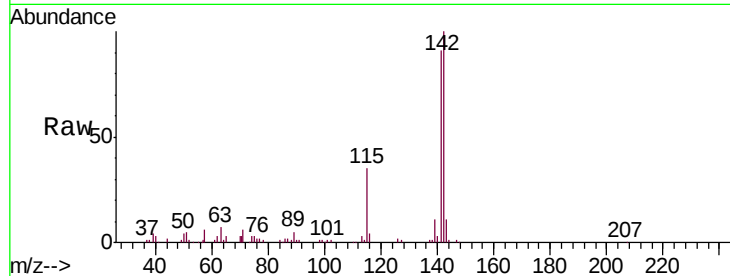




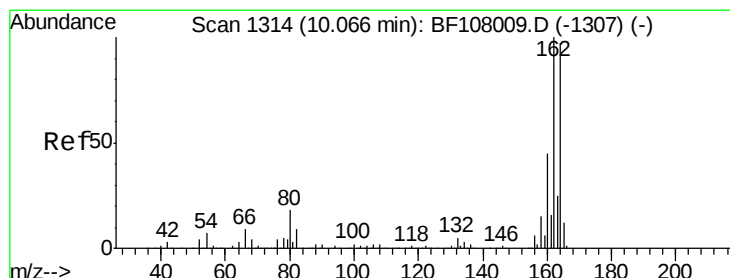
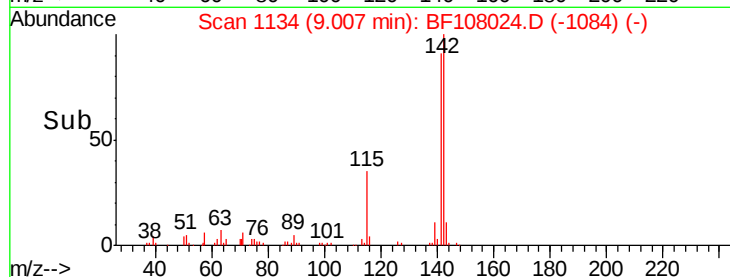
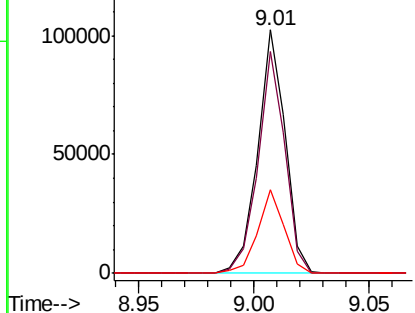
#37
2-Methylnaphthalene
Concen: 4.728 ng
RT: 9.01 min Scan# 1134
Delta R.T. -0.01 min
Lab File: BF108024.D
Acq: 8 Aug 2018 17:21

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:142 Resp: 85028
Ion Ratio Lower Upper
142 100
141 91.2 70.8 106.2
115 34.5 26.1 39.1

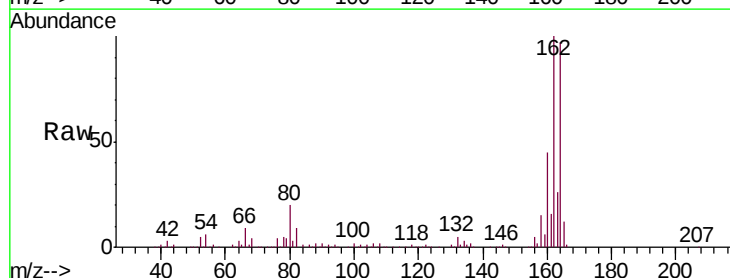


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

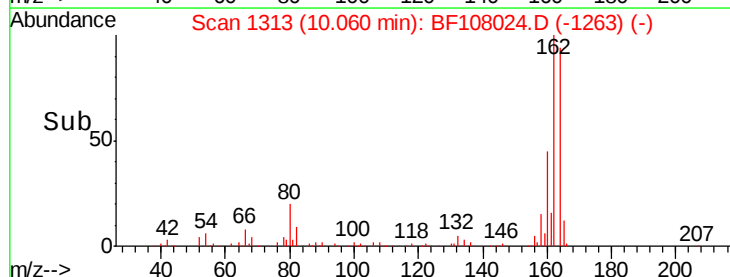
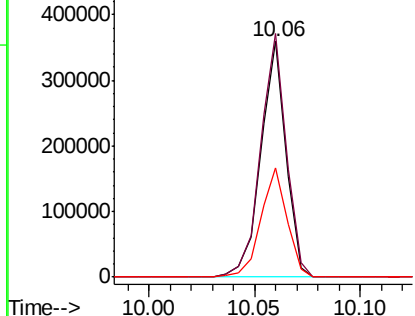


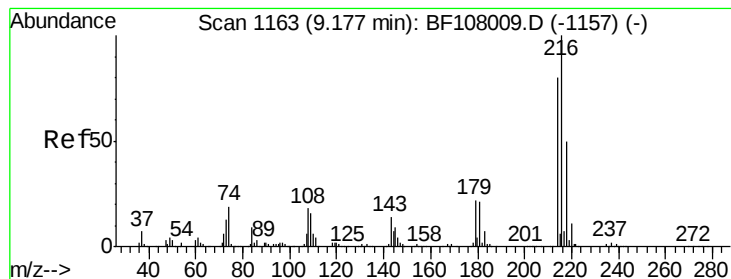
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF108024.D
Acq: 8 Aug 2018 17:21

Tgt Ion:164 Resp: 297760
Ion Ratio Lower Upper
164 100
162 103.4 86.1 129.1
160 46.6 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

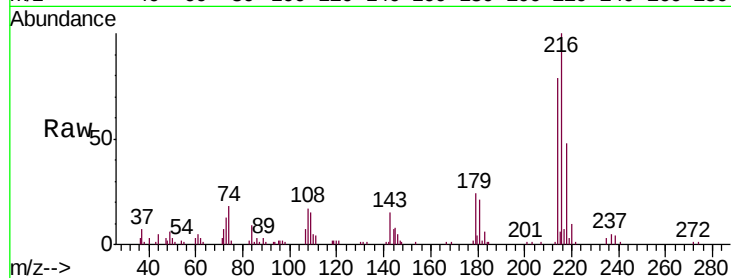




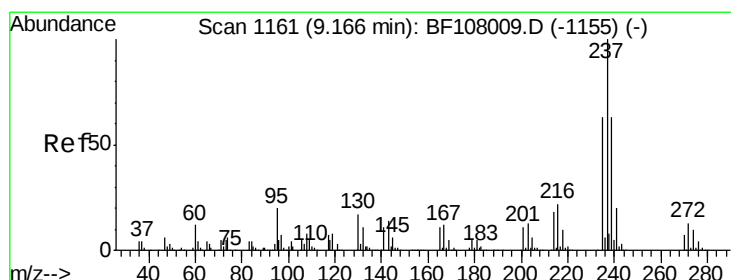
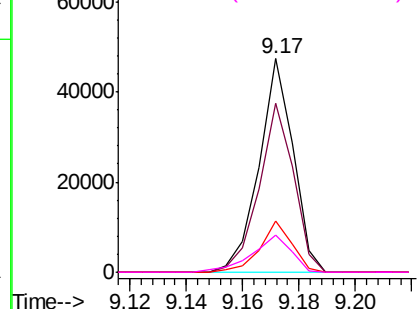
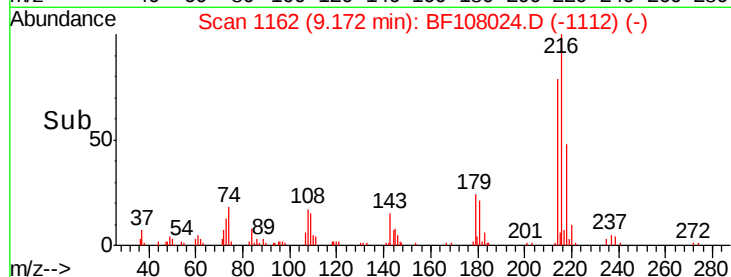
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 4.335 ng
 RT: 9.17 min Scan# 1162
 Delta R.T. -0.01 min
 Lab File: BF108024.D
 Acq: 8 Aug 2018 17:21

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tgt Ion:	216	Resp:	39641
Ion	Ratio	Lower	Upper
216	100		
214	79.9	63.0	94.4
179	22.7	18.1	27.1
108	19.7	17.2	25.8

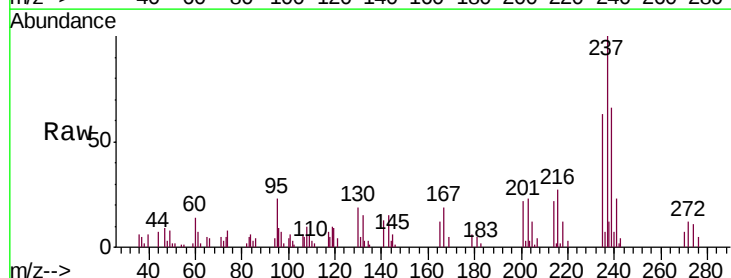


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

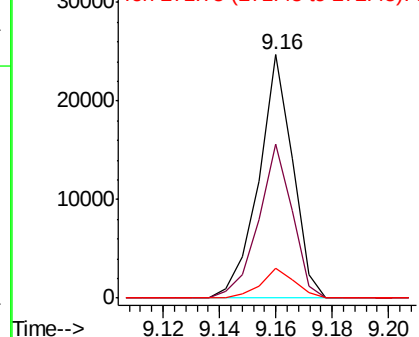
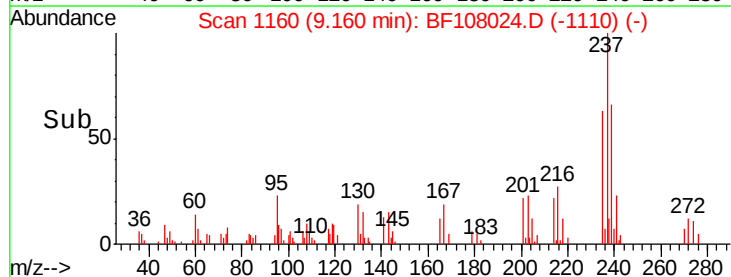


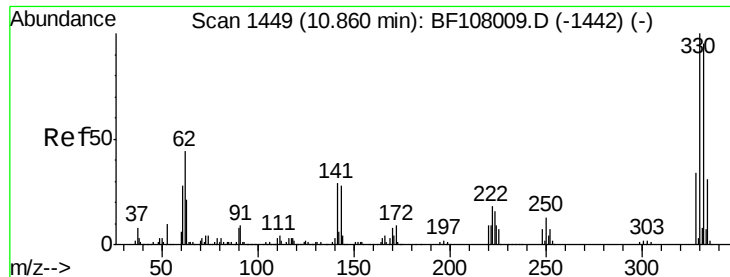
#40
 Hexachlorocyclopentadiene
 Concen: 3.491 ng
 RT: 9.16 min Scan# 1160
 Delta R.T. -0.01 min
 Lab File: BF108024.D
 Acq: 8 Aug 2018 17:21

Tgt Ion:	237	Resp:	20619
Ion	Ratio	Lower	Upper
237	100		
235	63.4	44.8	84.8
272	12.3	0.0	33.3



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

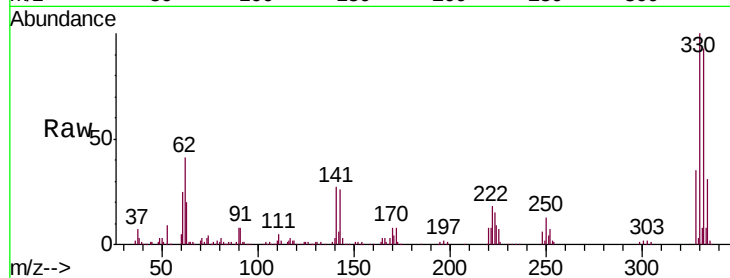




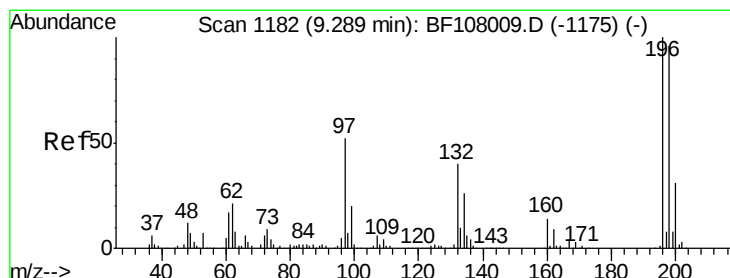
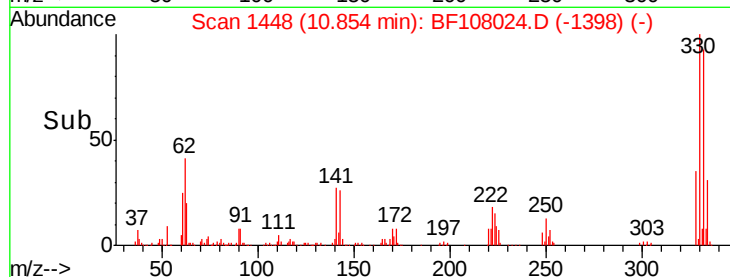
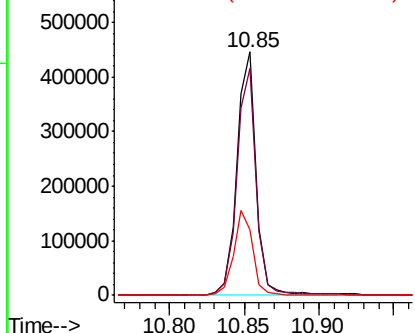
#41
 2,4,6-Tribromophenol
 Concen: 136.456 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108024.D
 Acq: 8 Aug 2018 17:21

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tgt Ion:330 Resp: 405286
 Ion Ratio Lower Upper
 330 100
 332 94.1 77.0 115.6
 141 35.0 29.9 44.9

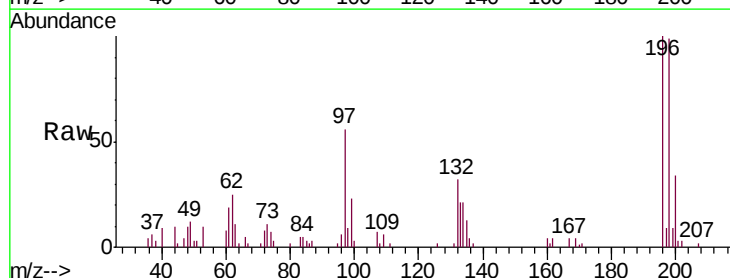


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

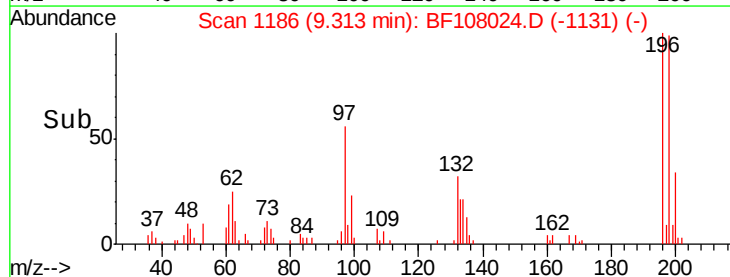
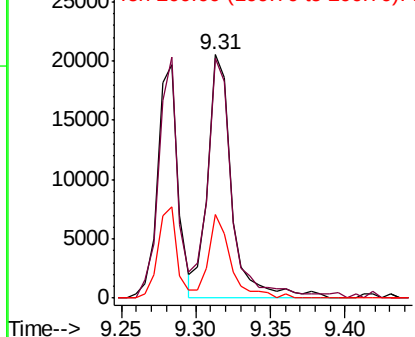


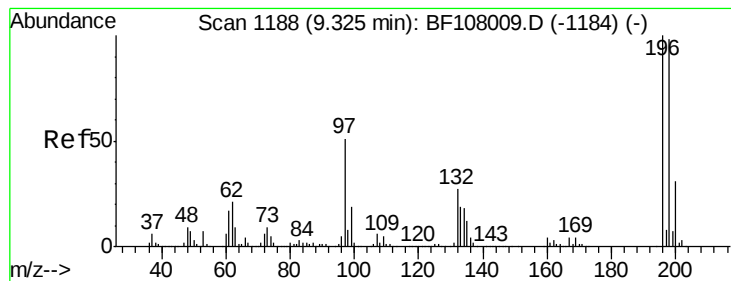
#42
 2,4,6-Trichlorophenol
 Concen: 4.079 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. 0.02 min
 Lab File: BF108024.D
 Acq: 8 Aug 2018 17:21

Tgt Ion:196 Resp: 23144
 Ion Ratio Lower Upper
 196 100
 198 98.6 75.7 113.5
 200 34.1 24.5 36.7



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: 3.705 ng

RT: 9.31 min Scan# 1186

Delta R.T. -0.01 min

Lab File: BF108024.D

Acq: 8 Aug 2018 17:21

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tgt Ion:196 Resp: 23144

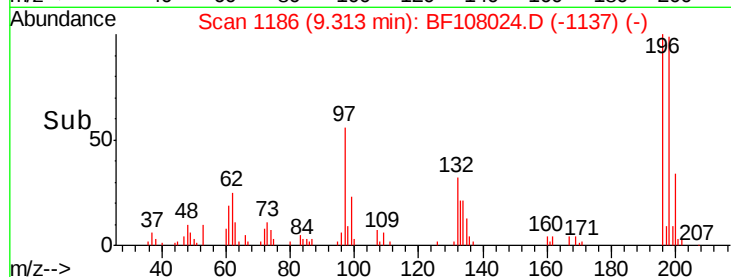
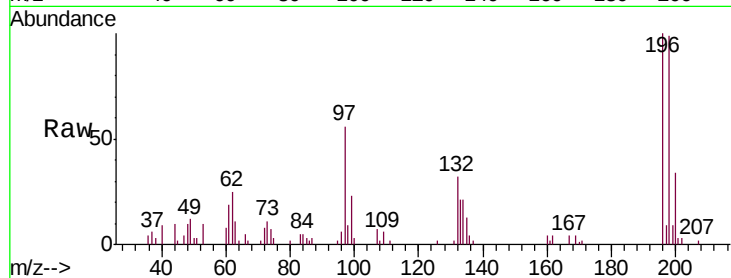
Ion Ratio Lower Upper

196 100

198 98.6 74.6 112.0

97 55.7 42.9 64.3

132 32.0 26.3 39.5

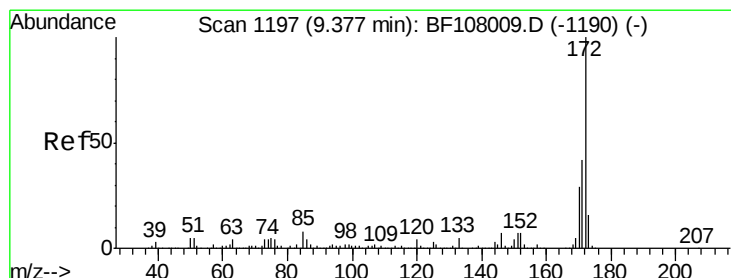
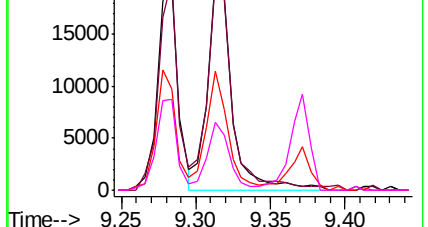


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E



#44

2-Fluorobiphenyl

Concen: 90.500 ng

RT: 9.37 min Scan# 1196

Delta R.T. -0.01 min

Lab File: BF108024.D

Acq: 8 Aug 2018 17:21

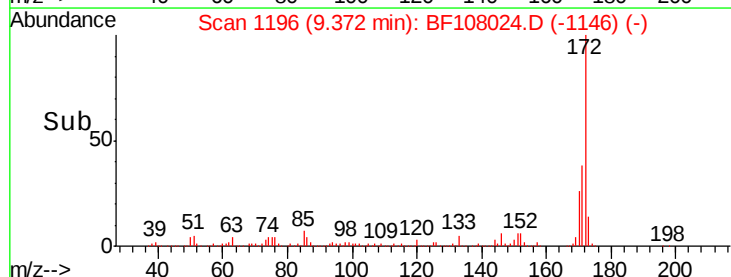
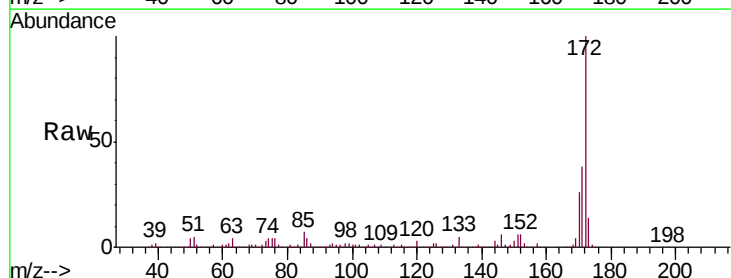
Tgt Ion:172 Resp: 1678468

Ion Ratio Lower Upper

172 100

171 37.5 29.7 44.5

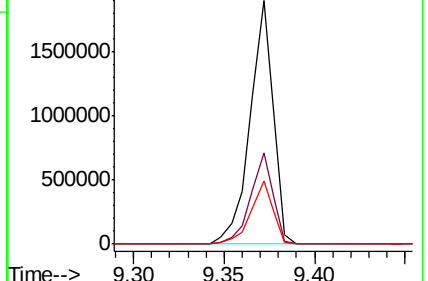
170 25.8 19.6 29.4

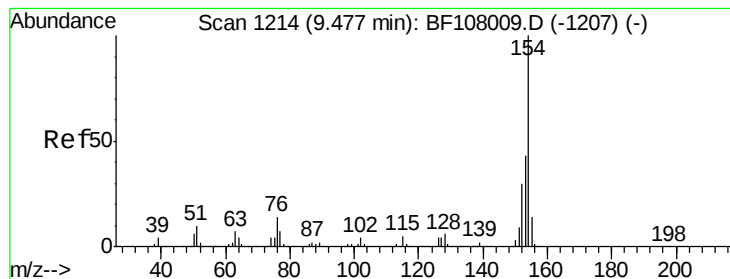


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 4.941 ng

RT: 9.47 min Scan# 1213

Delta R.T. -0.01 min

Lab File: BF108024.D

Acq: 8 Aug 2018 17:21

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

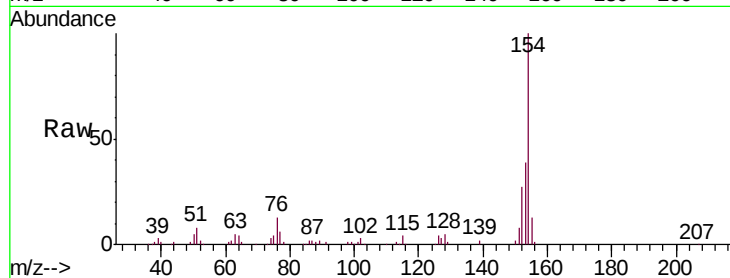
Tgt Ion:154 Resp: 108472

Ion Ratio Lower Upper

154 100

153 39.2 21.3 61.3

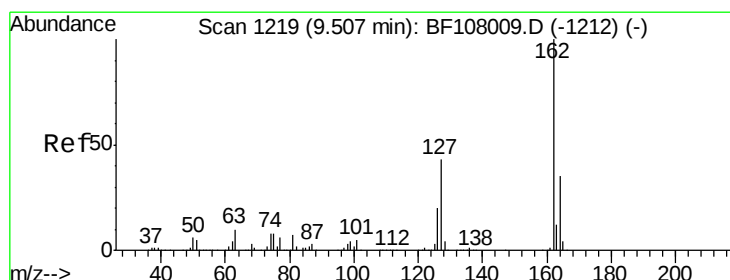
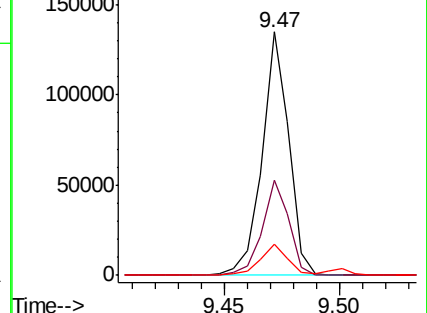
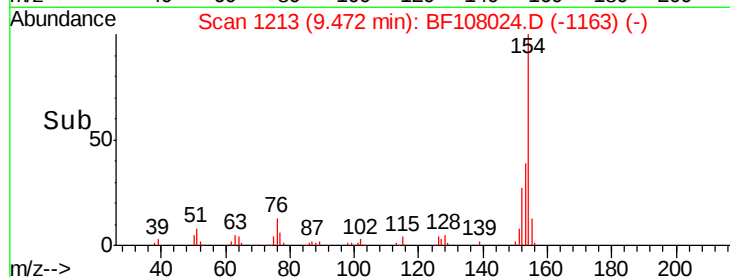
76 12.6 0.0 34.0



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): BF1



#46

2-Chloronaphthalene

Concen: 4.632 ng

RT: 9.50 min Scan# 1218

Delta R.T. -0.01 min

Lab File: BF108024.D

Acq: 8 Aug 2018 17:21

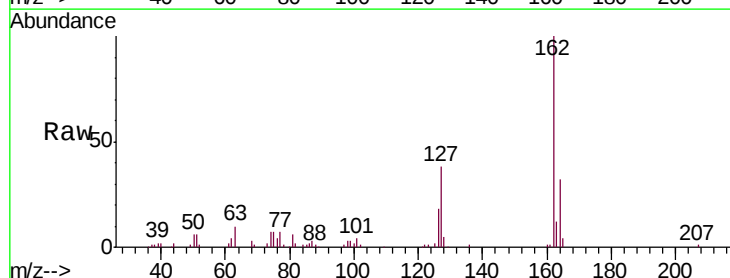
Tgt Ion:162 Resp: 80380

Ion Ratio Lower Upper

162 100

127 38.3 33.9 50.9

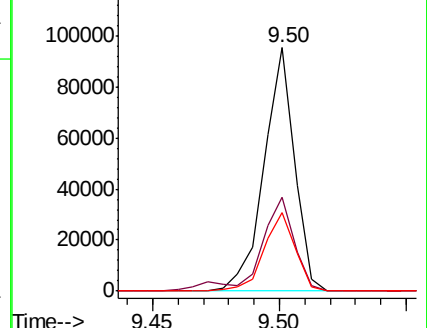
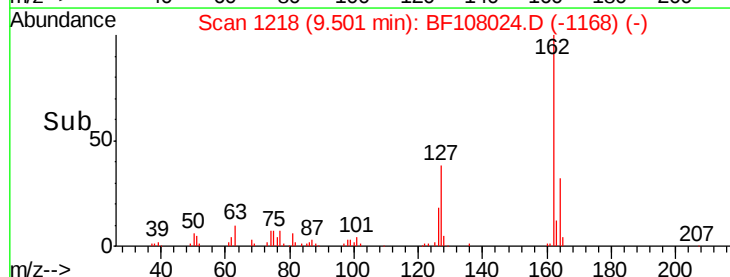
164 32.1 26.5 39.7

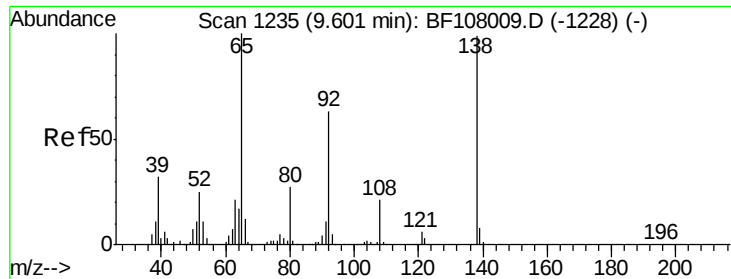


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

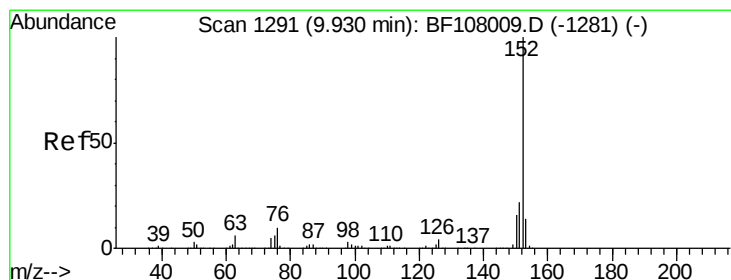
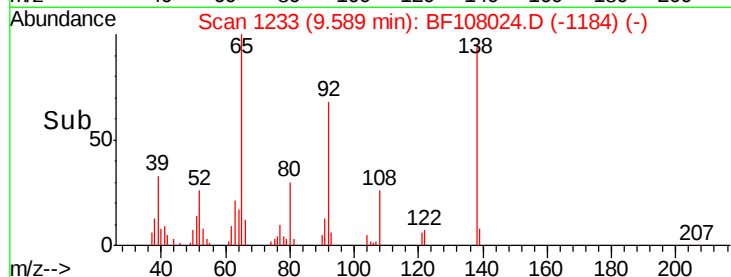
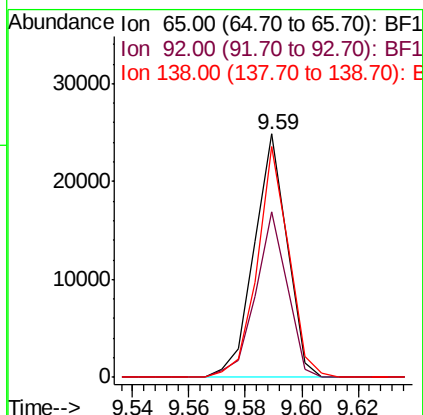
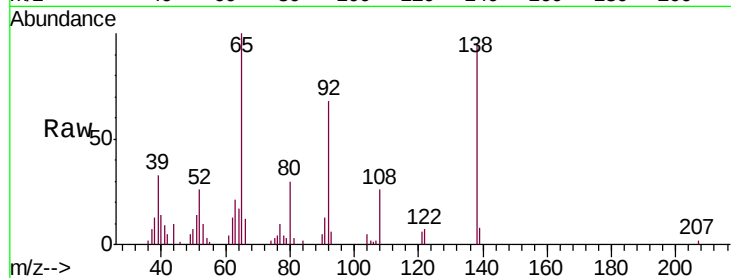




#47
2-Nitroaniline
Concen: 3.584 ng
RT: 9.59 min Scan# 1233
Delta R.T. -0.01 min
Lab File: BF108024.D
Acq: 8 Aug 2018 17:21

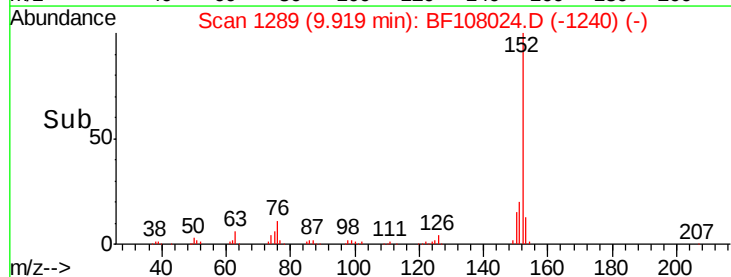
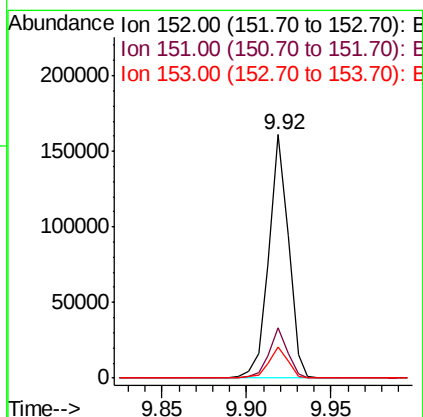
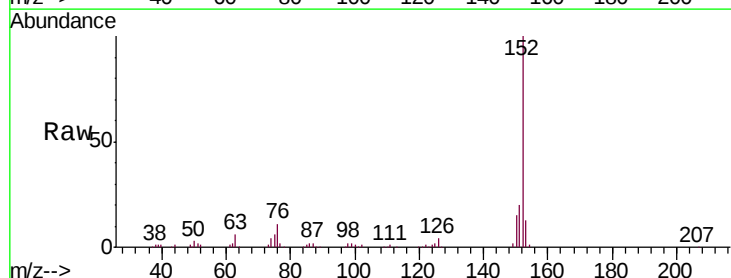
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

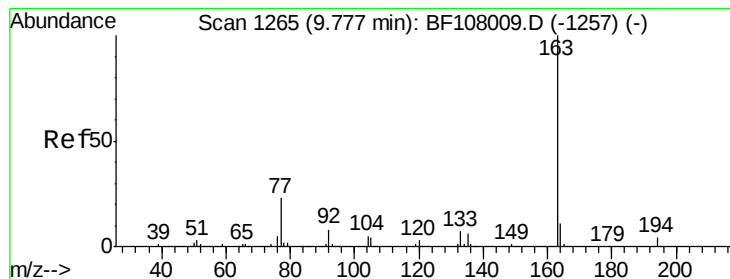
Tgt Ion: 65 Resp: 20120
Ion Ratio Lower Upper
65 100
92 67.9 55.8 83.6
138 94.7 91.2 136.8



#48
Acenaphthylene
Concen: 4.763 ng
RT: 9.92 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BF108024.D
Acq: 8 Aug 2018 17:21

Tgt Ion: 152 Resp: 130659
Ion Ratio Lower Upper
152 100
151 20.5 16.3 24.5
153 12.9 10.7 16.1





#49

Dimethylphthalate

Concen: 4.609 ng

RT: 9.76 min Scan# 1262

Delta R.T. -0.02 min

Lab File: BF108024.D

Acq: 8 Aug 2018 17:21

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

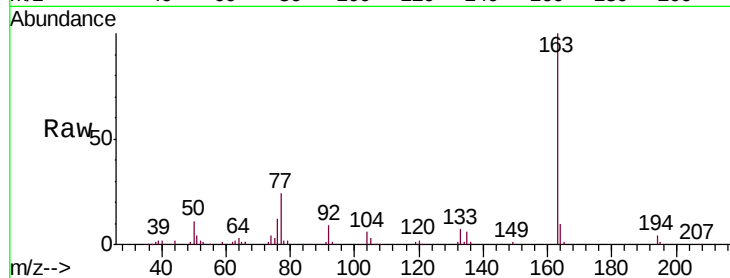
Tgt Ion:163 Resp: 95603

Ion Ratio Lower Upper

163 100

194 4.3 2.7 4.1#

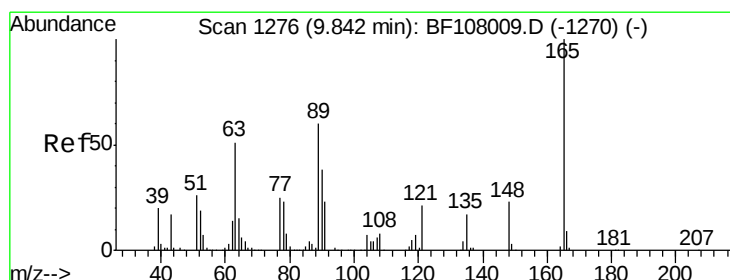
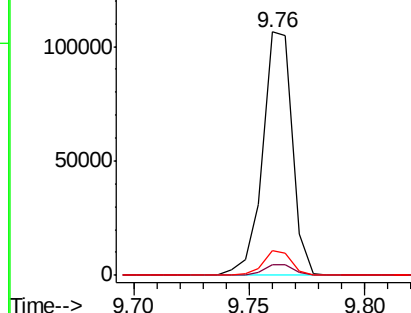
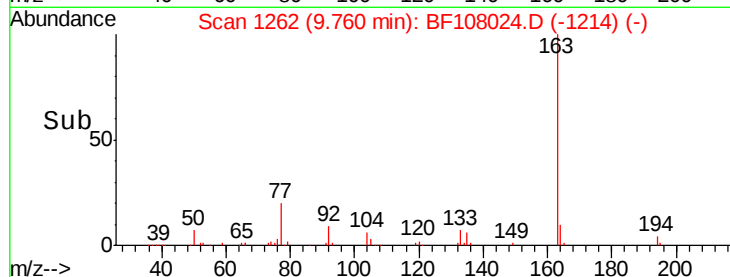
164 10.3 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 3.726 ng

RT: 9.83 min Scan# 1274

Delta R.T. -0.01 min

Lab File: BF108024.D

Acq: 8 Aug 2018 17:21

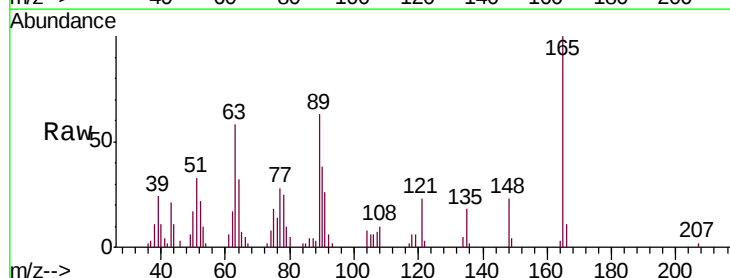
Tgt Ion:165 Resp: 16169

Ion Ratio Lower Upper

165 100

63 58.2 44.7 67.1

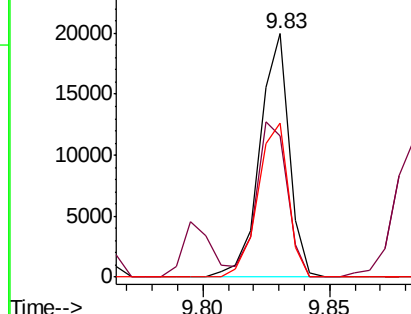
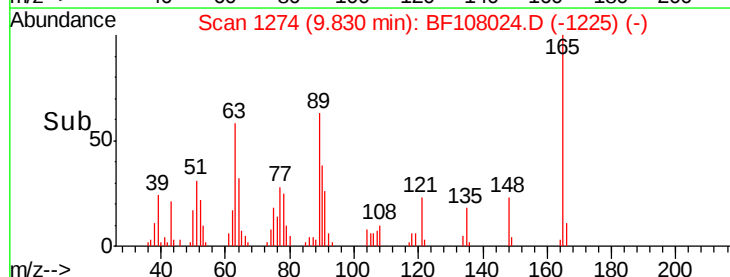
89 63.3 44.0 66.0

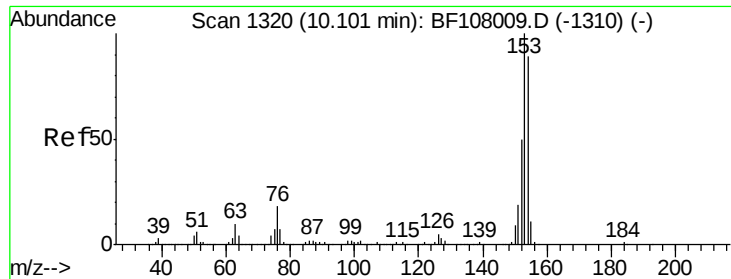


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 4.680 ng

RT: 10.09 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF108024.D

Acq: 8 Aug 2018 17:21

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

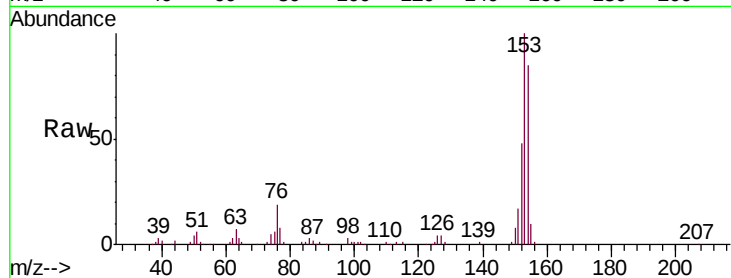
Tgt Ion:154 Resp: 78635

Ion Ratio Lower Upper

154 100

153 117.4 91.2 136.8

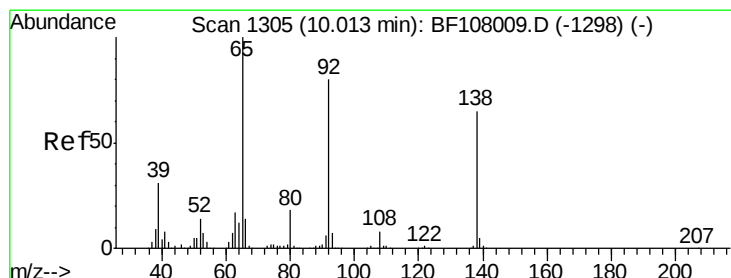
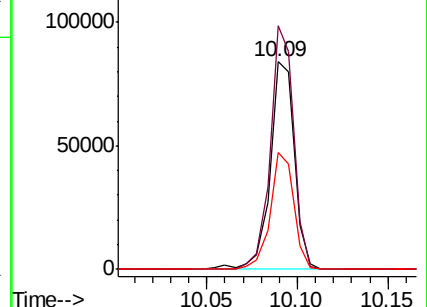
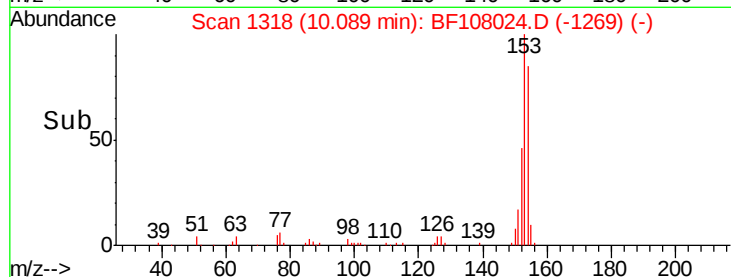
152 56.4 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 3.353 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF108024.D

Acq: 8 Aug 2018 17:21

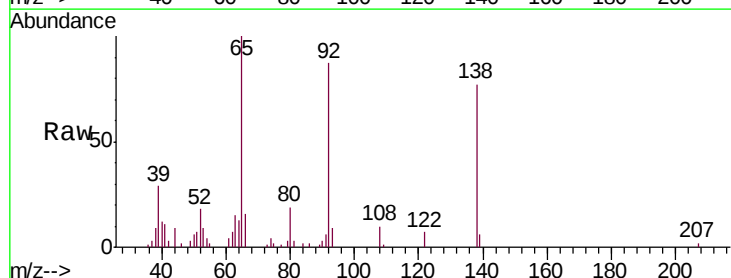
Tgt Ion:138 Resp: 15922

Ion Ratio Lower Upper

138 100

108 12.6 9.4 14.0

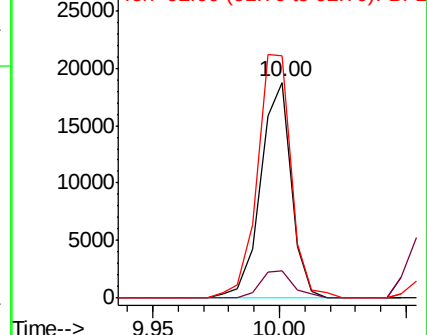
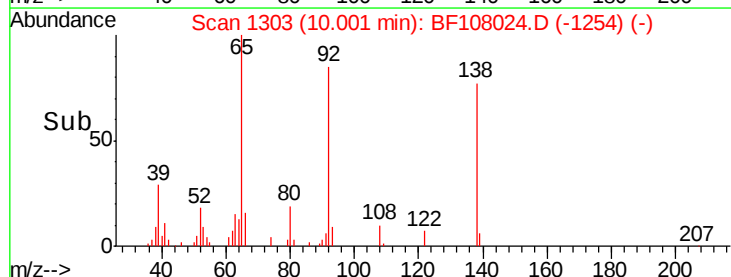
92 112.5 89.4 134.2

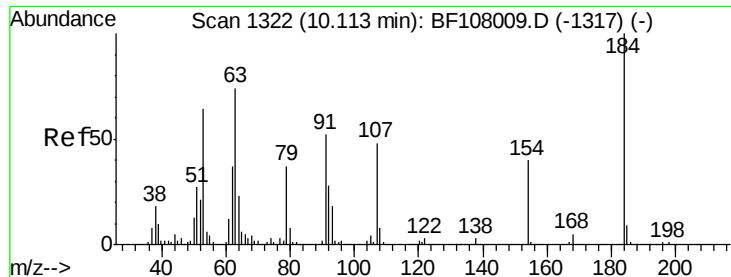


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

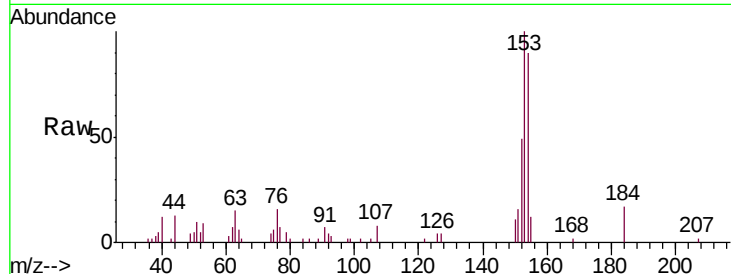




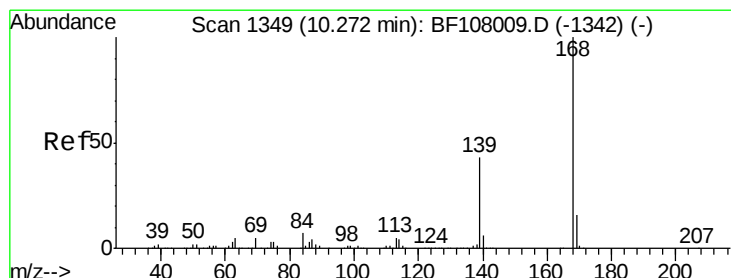
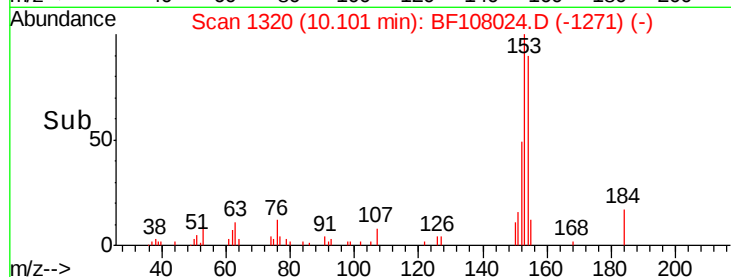
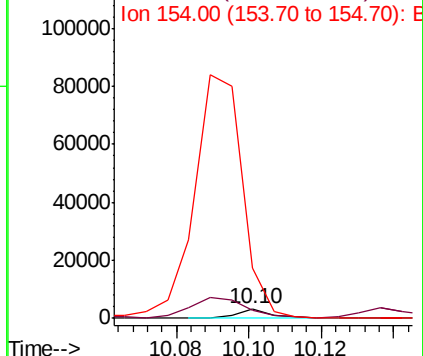
#53
2,4-Dinitrophenol
Concen: 8.251 ng
RT: 10.10 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF108024.D
Acq: 8 Aug 2018 17:21

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:184 Resp: 2191
Ion Ratio Lower Upper
184 100
63 87.6 54.2 81.2#
154 519.8 184.0 276.0#

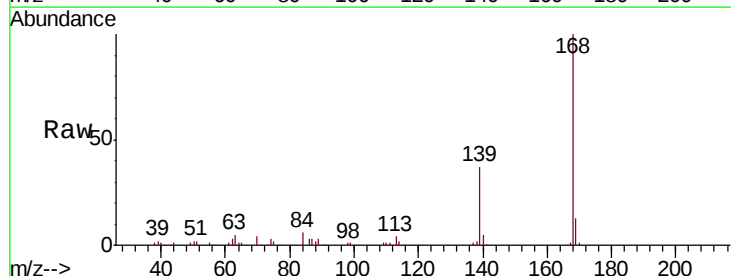


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

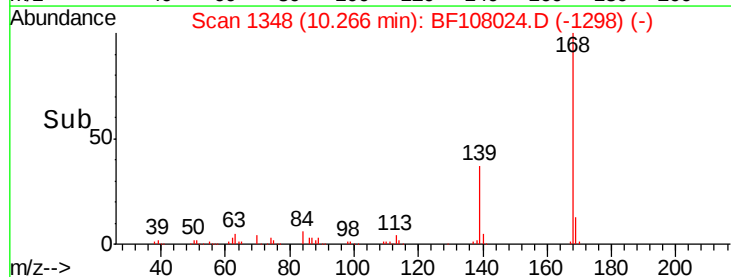
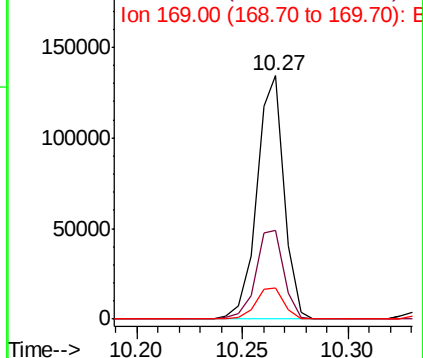


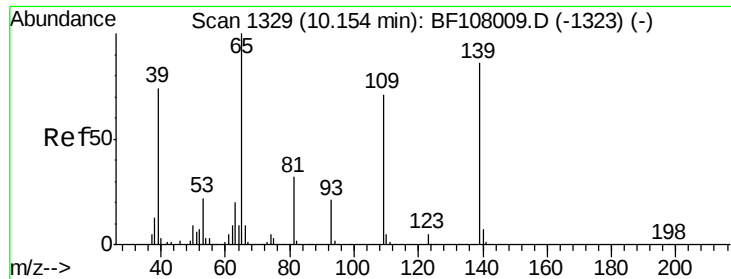
#54
Dibenzofuran
Concen: 4.935 ng
RT: 10.27 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF108024.D
Acq: 8 Aug 2018 17:21

Tgt Ion:168 Resp: 120136
Ion Ratio Lower Upper
168 100
139 36.6 30.1 45.1
169 13.0 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

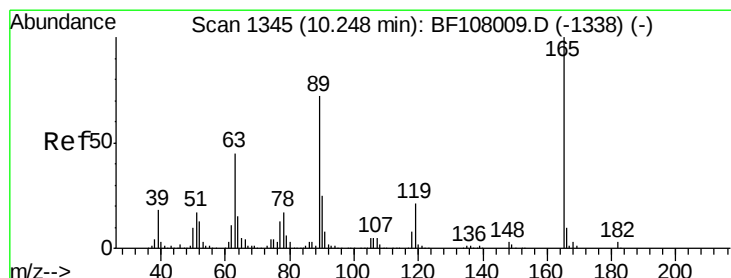
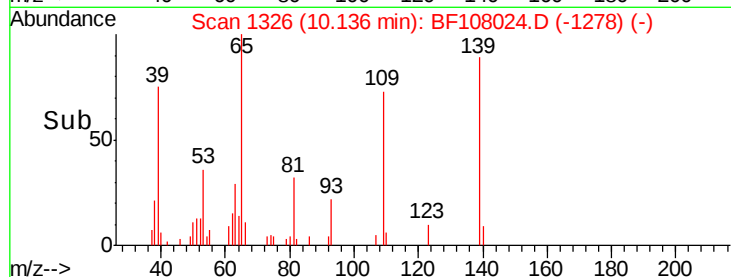
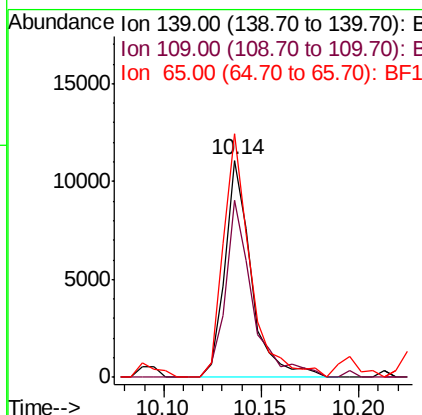
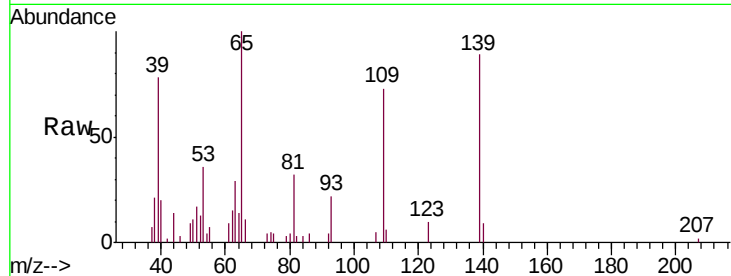




#55
4-Nitrophenol
Concen: 2.905 ng
RT: 10.14 min Scan# 1326
Delta R.T. -0.02 min
Lab File: BF108024.D
Acq: 8 Aug 2018 17:21

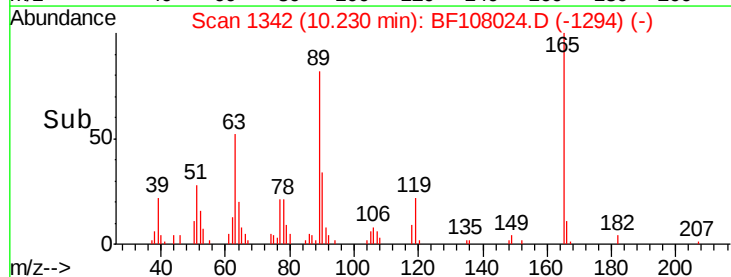
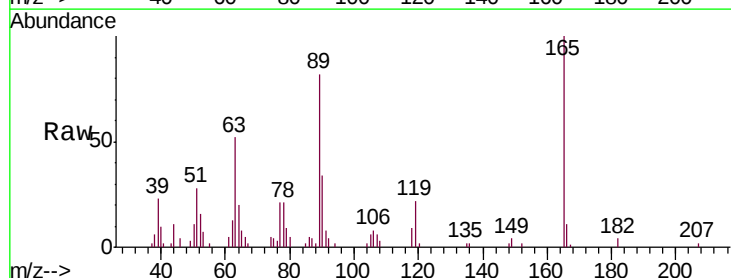
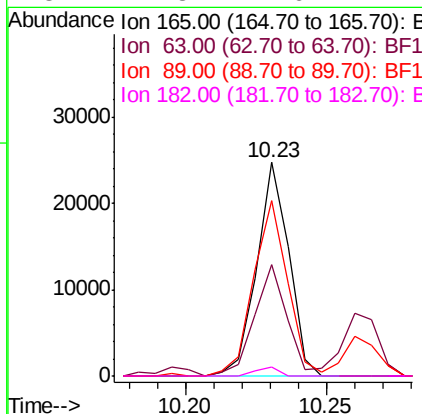
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

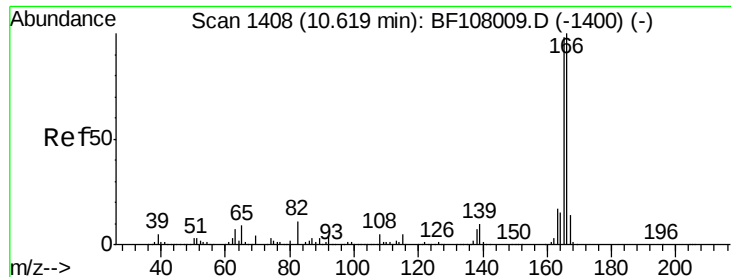
Tgt Ion:139 Resp: 10444
Ion Ratio Lower Upper
139 100
109 81.9 48.4 88.4
65 112.2 72.6 112.6



#56
2,4-Dinitrotoluene
Concen: 3.498 ng
RT: 10.23 min Scan# 1342
Delta R.T. -0.02 min
Lab File: BF108024.D
Acq: 8 Aug 2018 17:21

Tgt Ion:165 Resp: 19540
Ion Ratio Lower Upper
165 100
63 52.2 36.4 54.6
89 82.3 57.8 86.6
182 4.3 1.6 2.4#





#57

Fluorene

Concen: 5.013 ng

RT: 10.61 min Scan# 1406

Delta R.T. -0.01 min

Lab File: BF108024.D

Acq: 8 Aug 2018 17:21

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

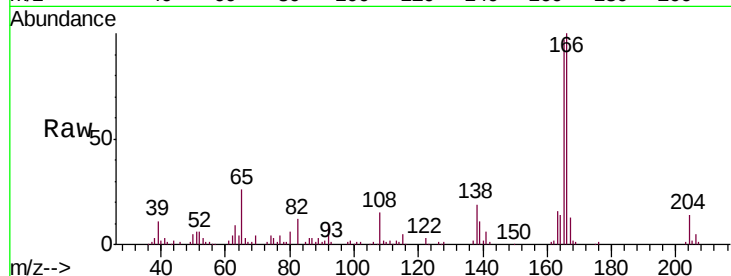
Tgt Ion:166 Resp: 96591

Ion Ratio Lower Upper

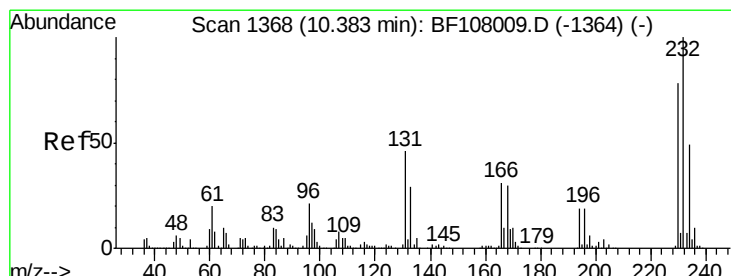
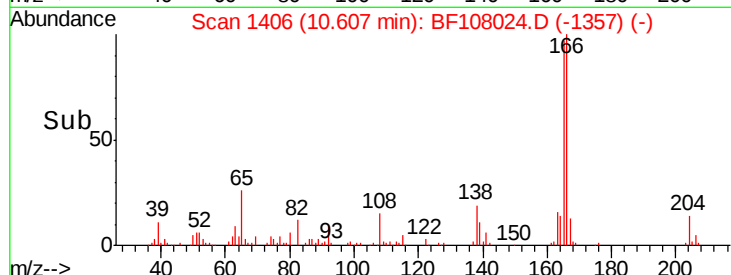
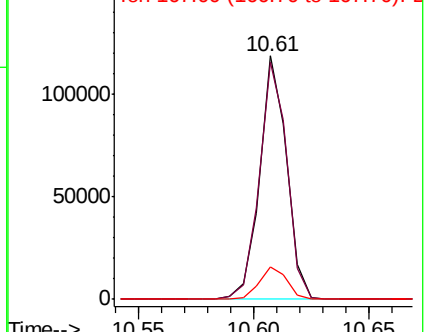
166 100

165 97.4 79.8 119.8

167 13.2 10.6 16.0



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



#58

2,3,4,6-Tetrachlorophenol

Concen: 3.352 ng

RT: 10.38 min Scan# 1367

Delta R.T. -0.01 min

Lab File: BF108024.D

Acq: 8 Aug 2018 17:21

Tgt Ion:232 Resp: 17501

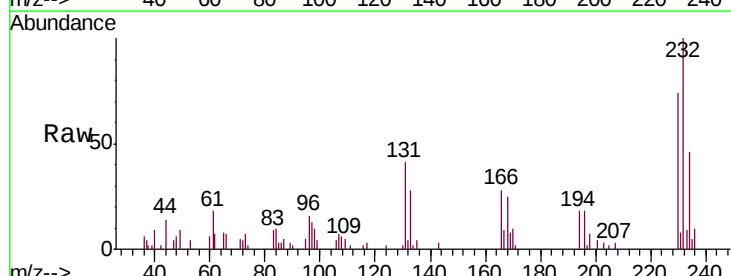
Ion Ratio Lower Upper

232 100

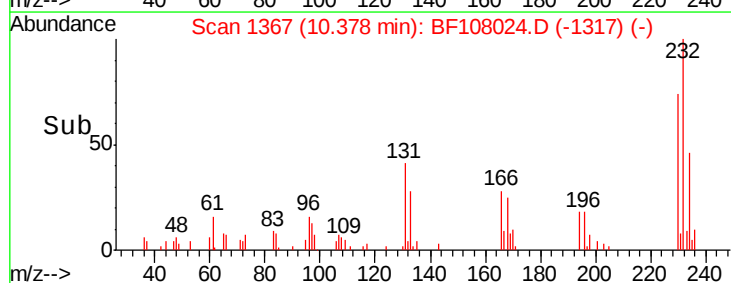
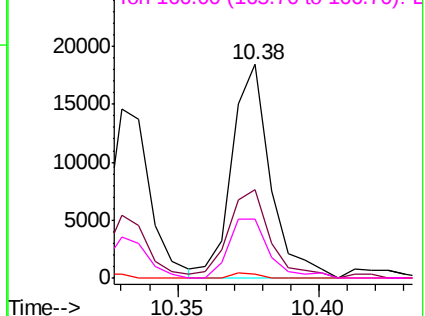
131 44.9 43.8 65.8

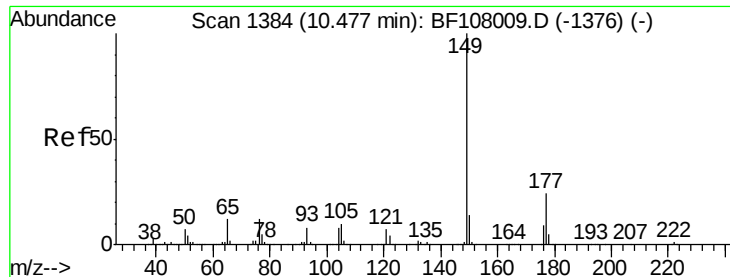
130 1.6 2.1 3.1#

166 29.3 27.8 41.6



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

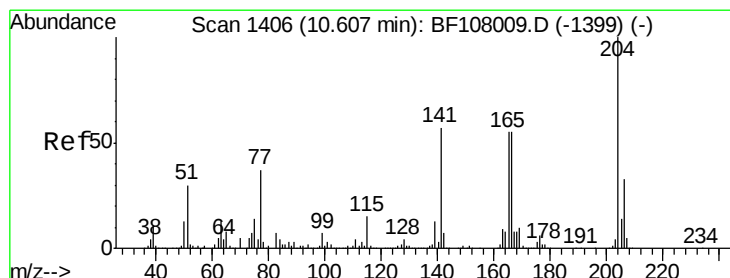
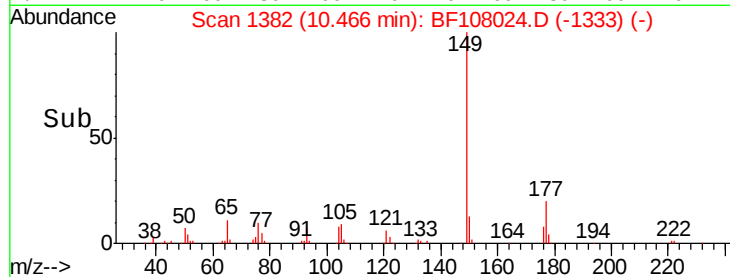
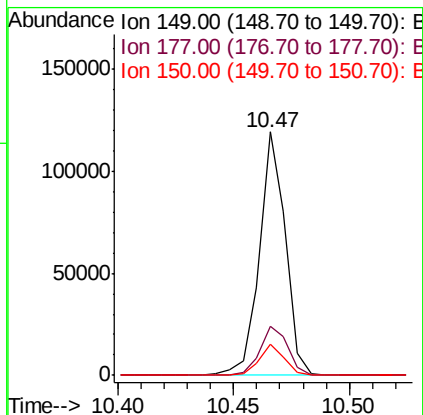
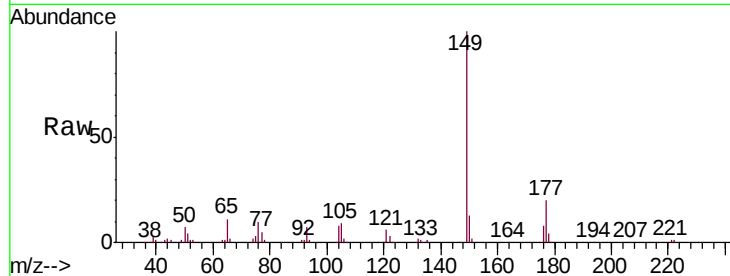




#59
Diethylphthalate
Concen: 4.653 ng
RT: 10.47 min Scan# 1382
Delta R.T. -0.01 min
Lab File: BF108024.D
Acq: 8 Aug 2018 17:21

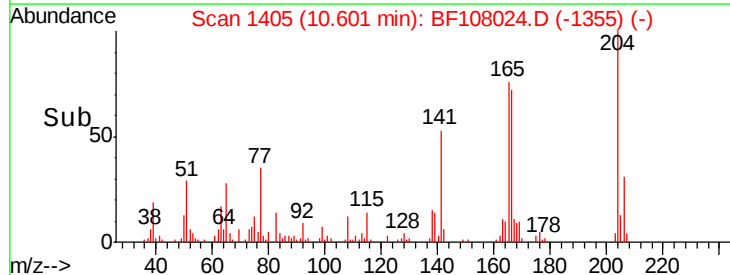
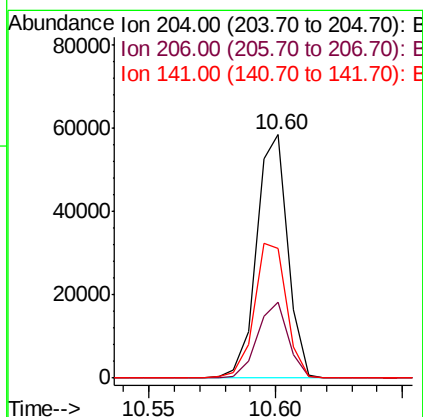
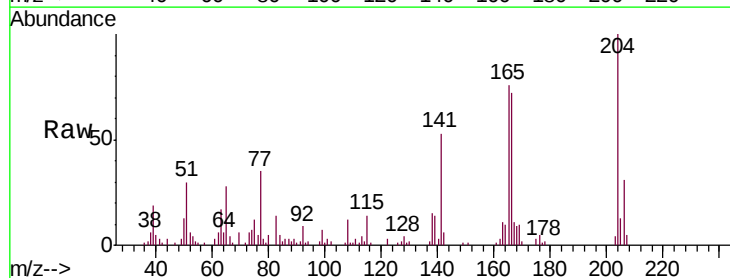
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

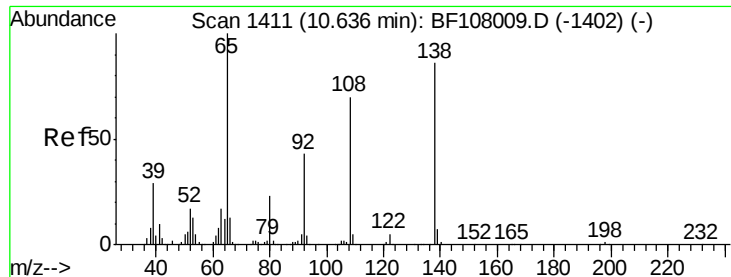
Tgt Ion:149 Resp: 93455
Ion Ratio Lower Upper
149 100
177 20.1 16.1 24.1
150 12.7 10.1 15.1



#60
4-Chlorophenyl-phenylether
Concen: 4.981 ng
RT: 10.60 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BF108024.D
Acq: 8 Aug 2018 17:21

Tgt Ion:204 Resp: 50012
Ion Ratio Lower Upper
204 100
206 31.0 26.5 39.7
141 53.5 54.6 81.8#

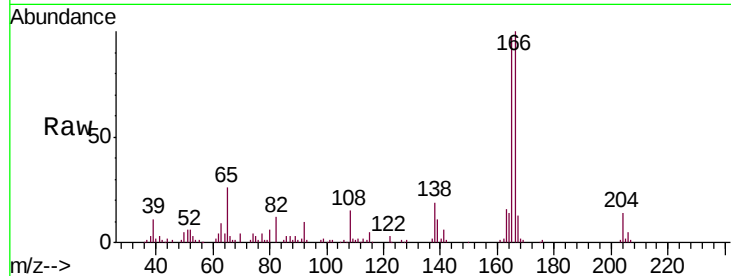




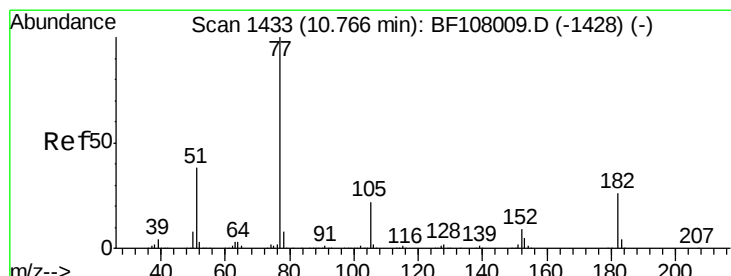
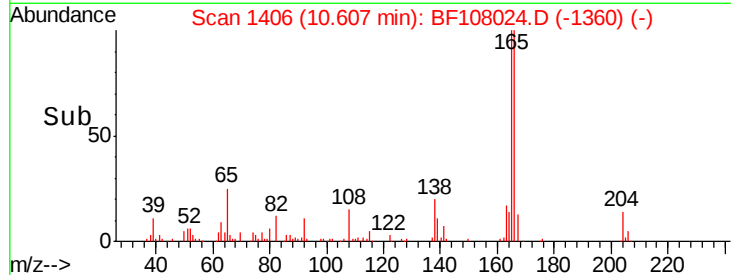
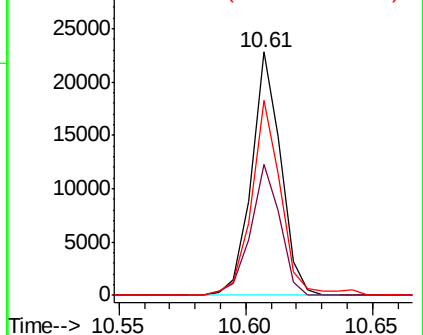
#61
4-Nitroaniline
Concen: 3.903 ng
RT: 10.61 min Scan# 1406
Delta R.T. -0.03 min
Lab File: BF108024.D
Acq: 8 Aug 2018 17:21

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion: 138 Resp: 18323
Ion Ratio Lower Upper
138 100
92 54.0 30.2 70.2
108 80.2 52.5 92.5

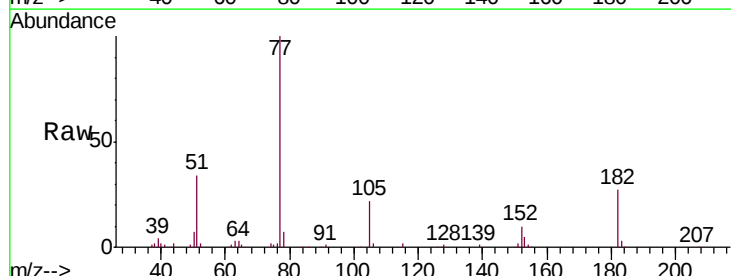


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E

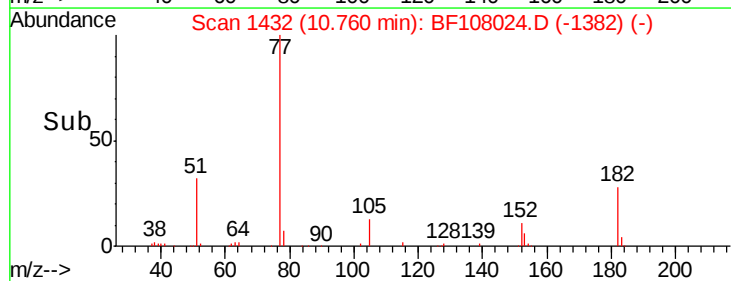
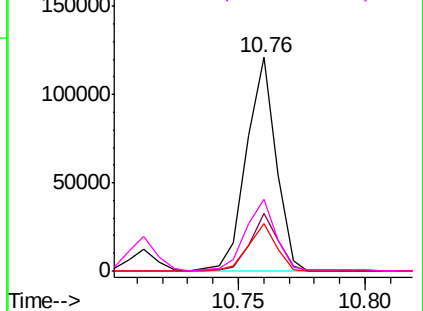


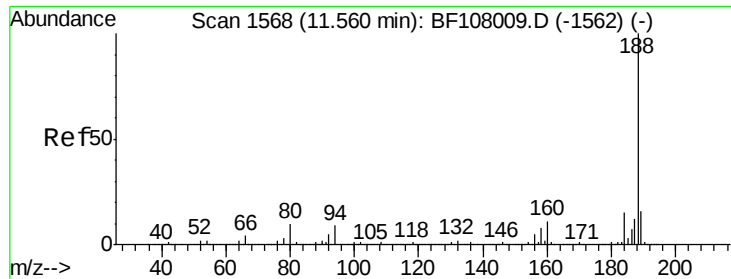
#62
Azobenzene
Concen: 4.754 ng
RT: 10.76 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF108024.D
Acq: 8 Aug 2018 17:21

Tgt Ion: 77 Resp: 98607
Ion Ratio Lower Upper
77 100
182 26.8 1.7 41.7
105 22.1 3.0 43.0
51 33.8 9.9 49.9



Abundance Ion 77.00 (76.70 to 77.70): BF1
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): BF1

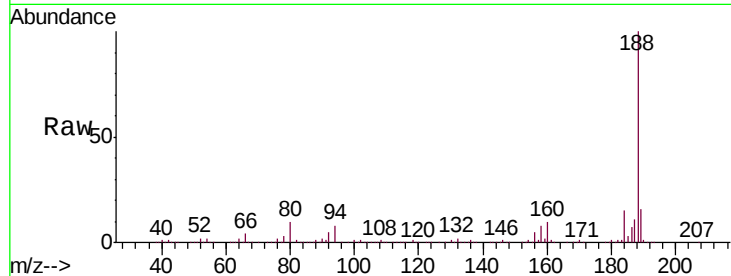




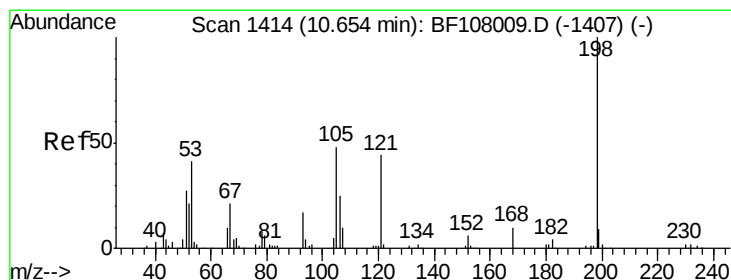
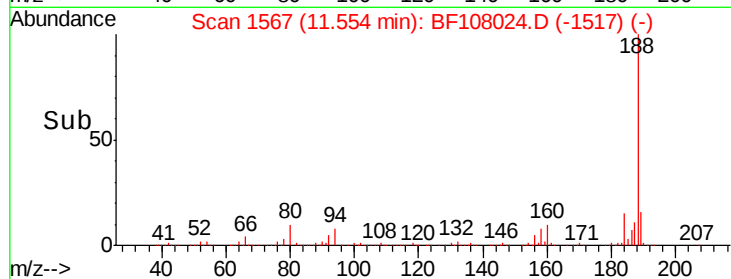
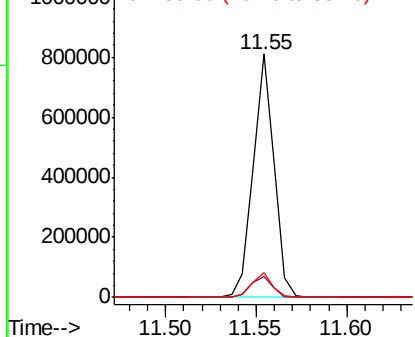
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.55 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: BF108024.D
 Acq: 8 Aug 2018 17:21

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tgt Ion:188 Resp: 646710
 Ion Ratio Lower Upper
 188 100
 94 8.4 8.5 12.7#
 80 10.0 9.2 13.8

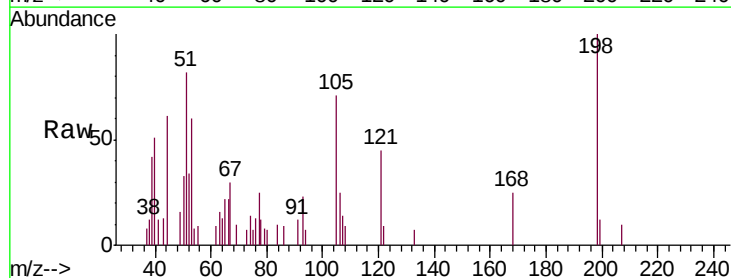


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

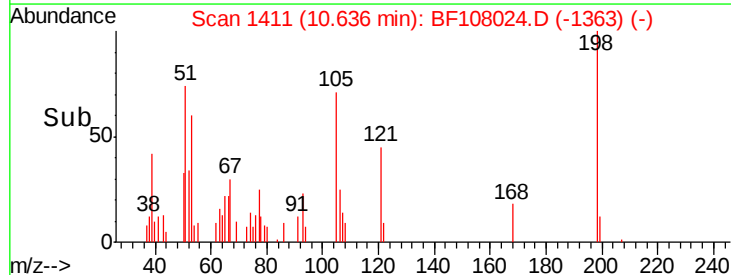
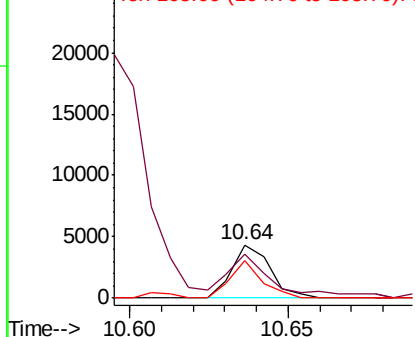


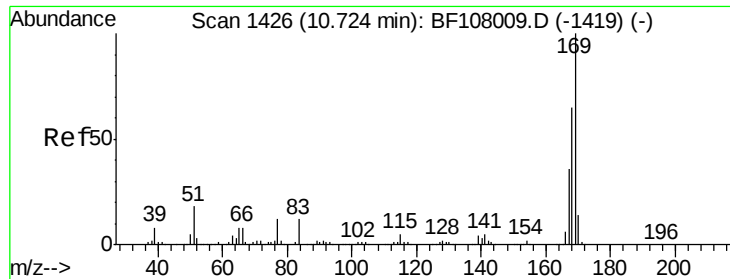
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.678 ng
 RT: 10.64 min Scan# 1411
 Delta R.T. -0.02 min
 Lab File: BF108024.D
 Acq: 8 Aug 2018 17:21

Tgt Ion:198 Resp: 3607
 Ion Ratio Lower Upper
 198 100
 51 81.9 37.7 77.7#
 105 70.8 36.3 76.3



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

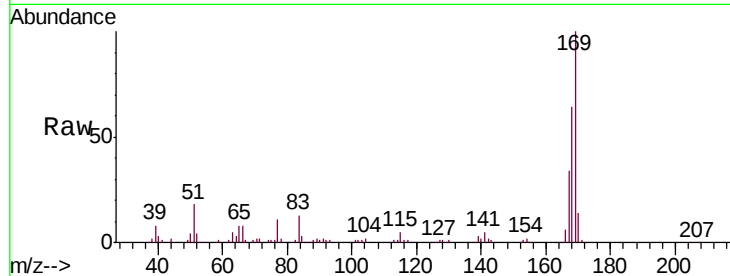




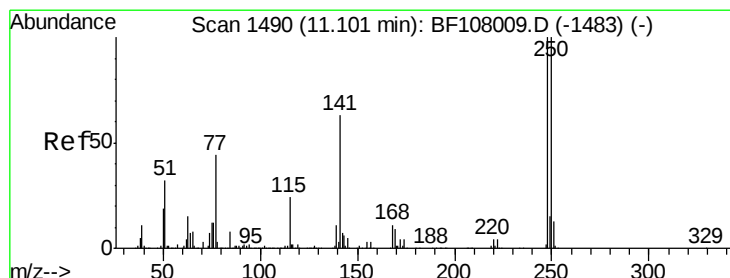
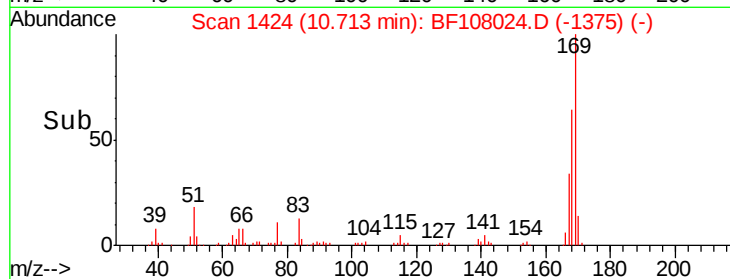
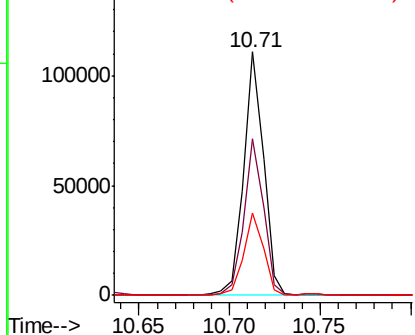
#65
 n-Nitrosodiphenylamine
 Concen: 4.431 ng
 RT: 10.71 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF108024.D
 Acq: 8 Aug 2018 17:21

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tgt Ion	Resp	Lower	Upper
169	100		
168	64.5	54.4	81.6
167	34.0	29.8	44.6

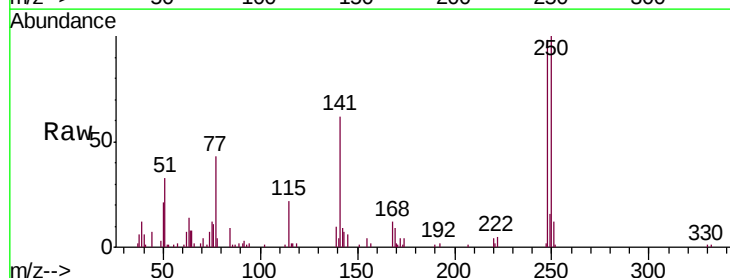


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

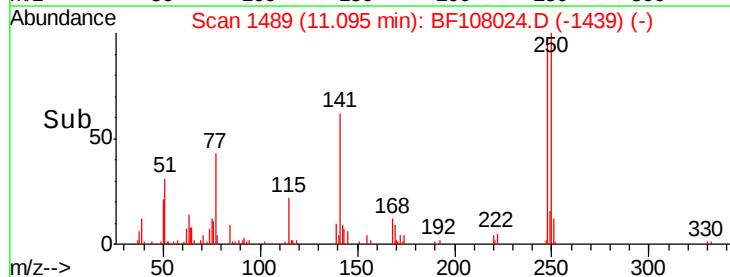
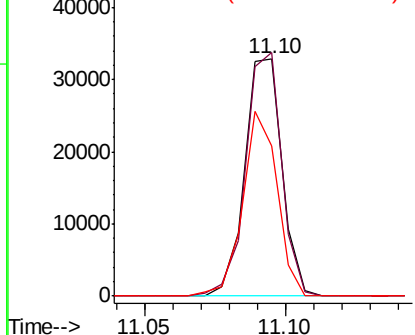


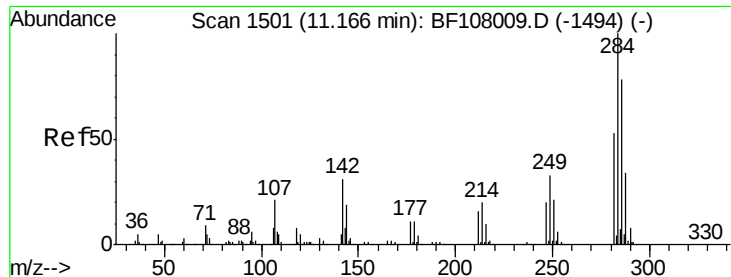
#66
 4-Bromophenyl-phenylether
 Concen: 4.298 ng
 RT: 11.10 min Scan# 1489
 Delta R.T. -0.01 min
 Lab File: BF108024.D
 Acq: 8 Aug 2018 17:21

Tgt Ion	Resp	Lower	Upper
248	100		
250	102.5	76.9	115.3
141	63.4	74.4	111.6



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





#67

Hexachlorobenzene

Concen: 4.405 ng

RT: 11.15 min Scan# 1499

Delta R.T. -0.01 min

Lab File: BF108024.D

Acq: 8 Aug 2018 17:21

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

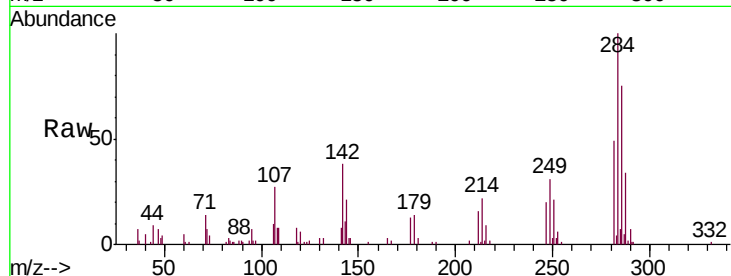
Tgt Ion:284 Resp: 32576

Ion Ratio Lower Upper

284 100

142 38.0 34.6 52.0

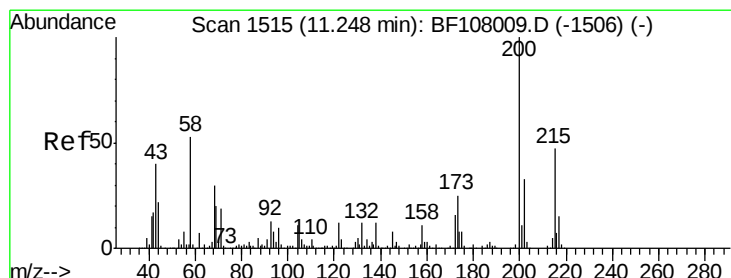
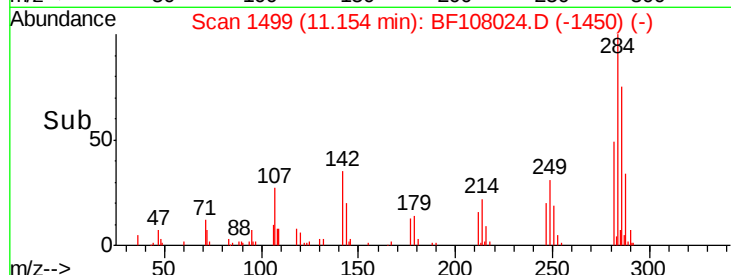
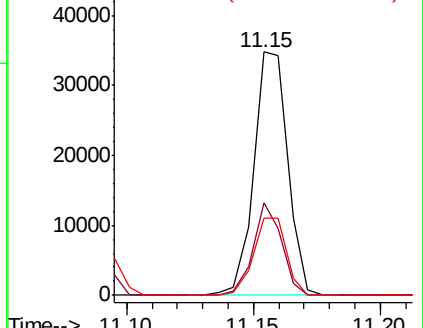
249 31.5 24.8 37.2



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 4.060 ng

RT: 11.23 min Scan# 1512

Delta R.T. -0.02 min

Lab File: BF108024.D

Acq: 8 Aug 2018 17:21

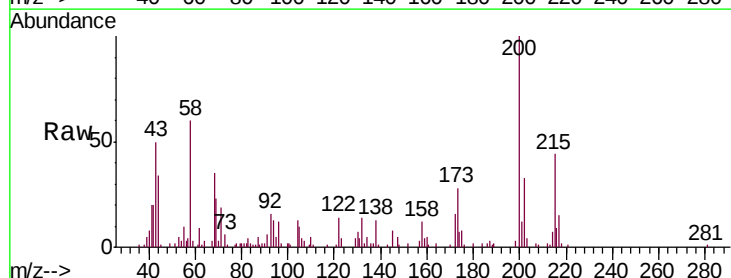
Tgt Ion:200 Resp: 26027

Ion Ratio Lower Upper

200 100

173 28.1 8.6 48.6

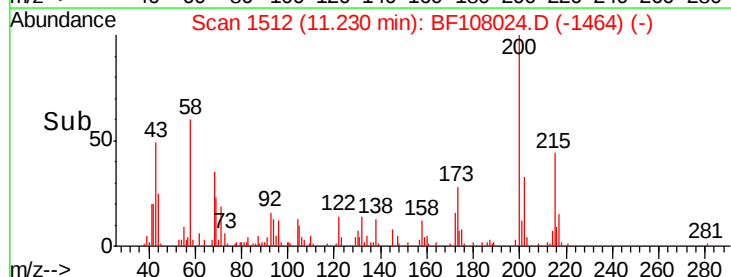
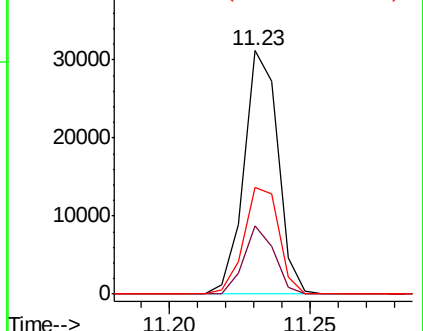
215 43.9 25.1 65.1



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

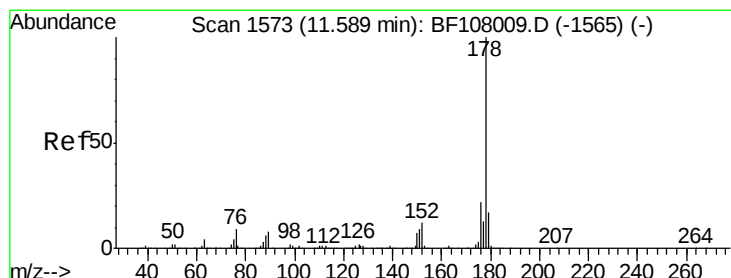
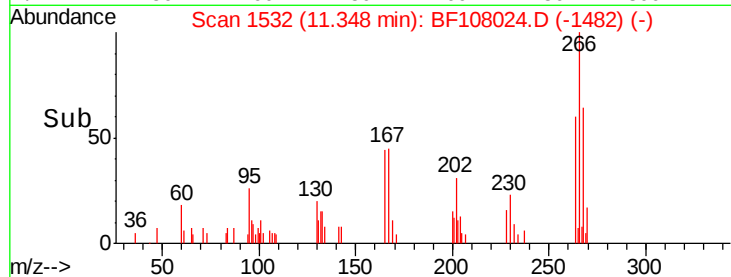
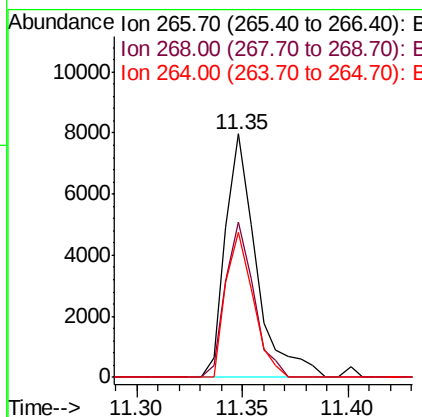
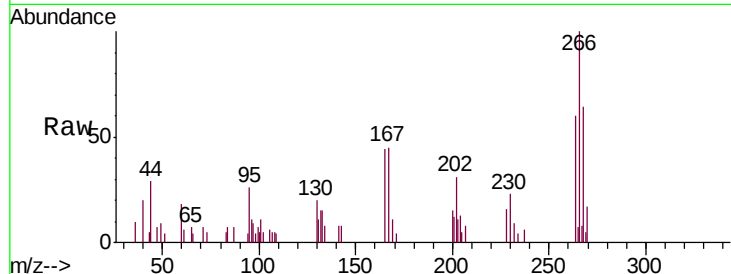




#69
 Pentachlorophenol
 Concen: 2.282 ng
 RT: 11.35 min Scan# 1532
 Delta R.T. -0.01 min
 Lab File: BF108024.D
 Acq: 8 Aug 2018 17:21

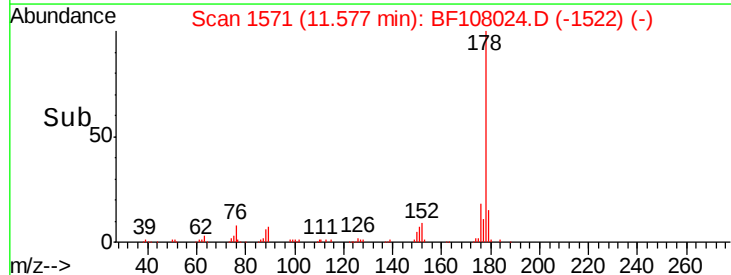
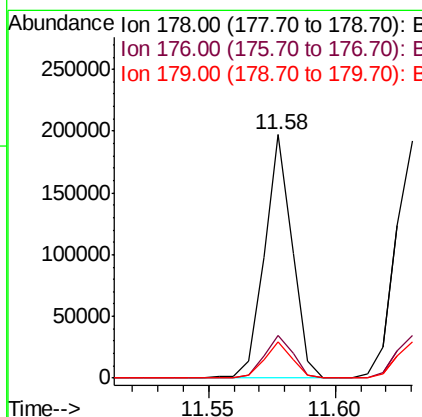
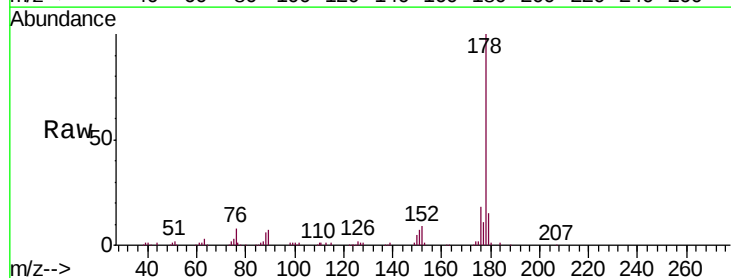
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

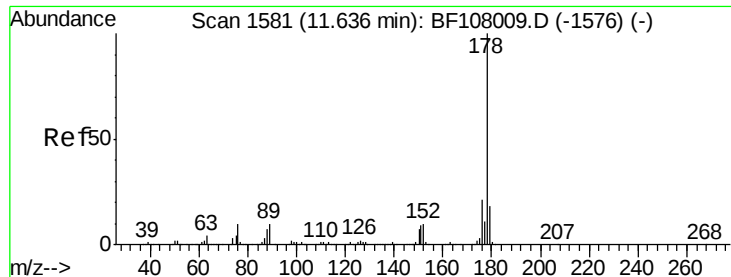
Tgt Ion: 266 Resp: 8076
 Ion Ratio Lower Upper
 266 100
 268 64.0 51.1 76.7
 264 59.7 49.5 74.3



#70
 Phenanthrene
 Concen: 4.967 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF108024.D
 Acq: 8 Aug 2018 17:21

Tgt Ion: 178 Resp: 151507
 Ion Ratio Lower Upper
 178 100
 176 17.5 15.8 23.8
 179 15.1 13.0 19.6

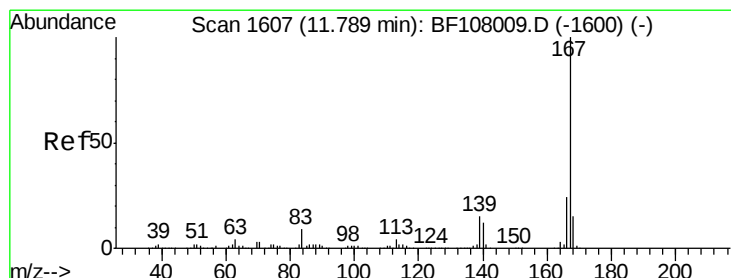
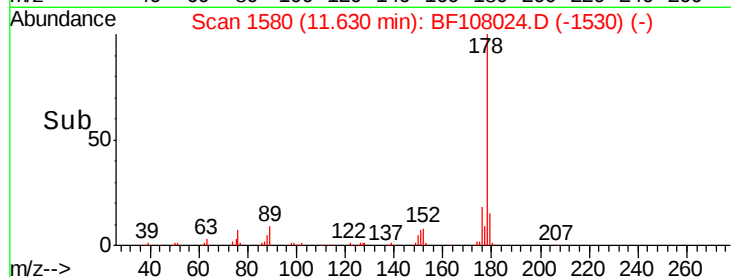
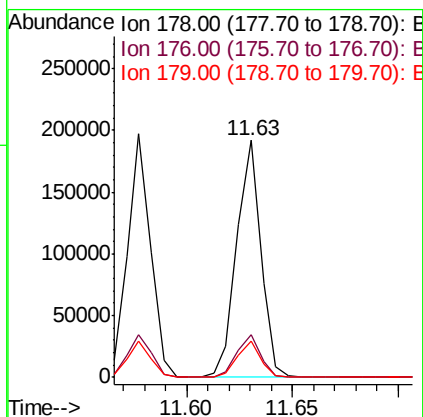
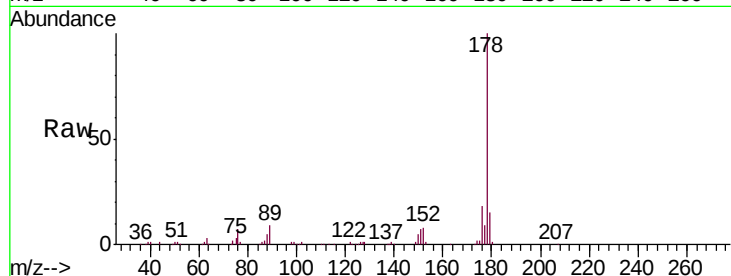




#71
 Anthracene
 Concen: 4.887 ng
 RT: 11.63 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: BF108024.D
 Acq: 8 Aug 2018 17:21

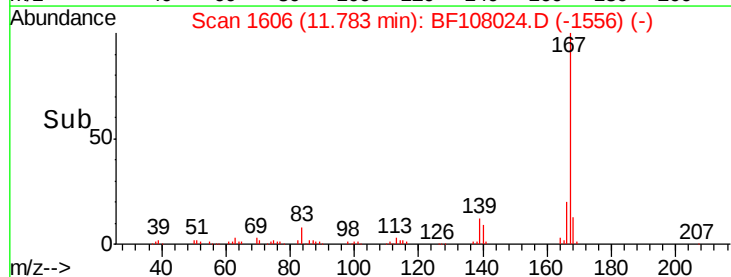
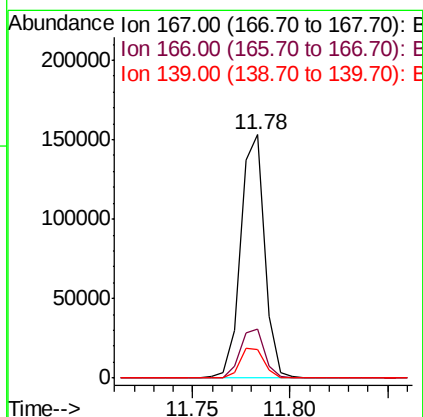
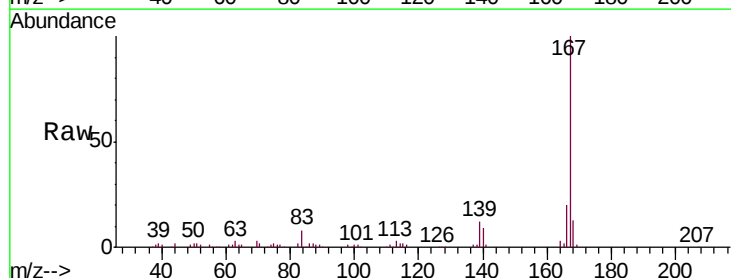
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tgt Ion:178 Resp: 152774
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.4 23.2
 179 15.4 12.6 19.0



#72
 Carbazole
 Concen: 4.685 ng
 RT: 11.78 min Scan# 1606
 Delta R.T. -0.01 min
 Lab File: BF108024.D
 Acq: 8 Aug 2018 17:21

Tgt Ion:167 Resp: 130126
 Ion Ratio Lower Upper
 167 100
 166 20.3 17.6 26.4
 139 12.0 10.9 16.3





#73

Di-n-butylphthalate

Concen: 4.301 ng

RT: 12.11 min Scan# 1661

Delta R.T. -0.01 min

Lab File: BF108024.D

Acq: 8 Aug 2018 17:21

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

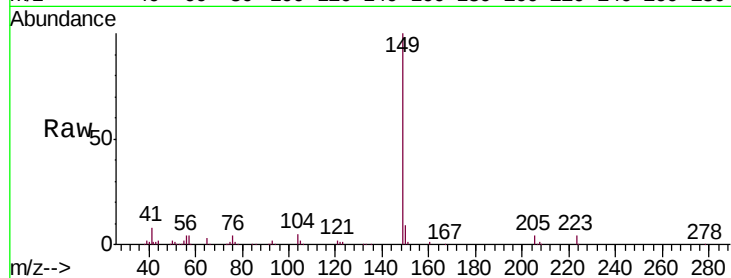
Tgt Ion:149 Resp: 135309

Ion Ratio Lower Upper

149 100

150 9.0 7.8 11.6

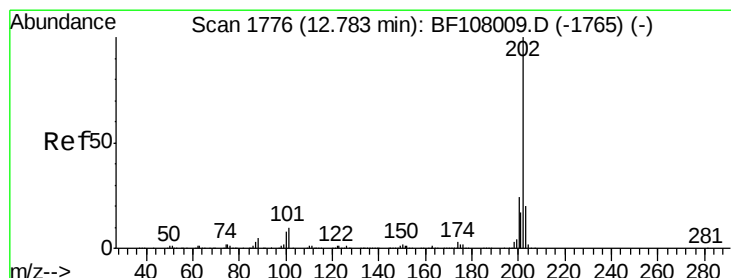
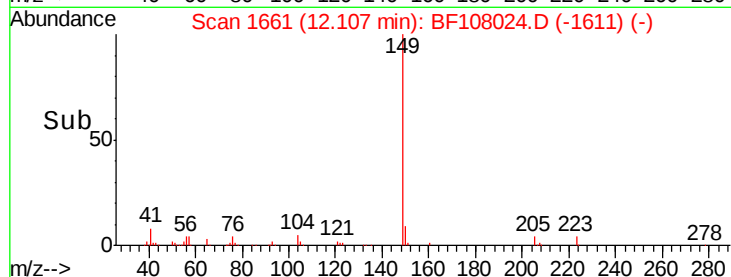
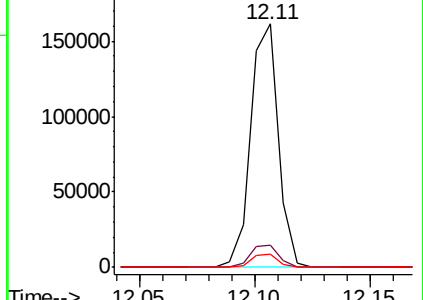
104 5.4 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 4.832 ng

RT: 12.77 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF108024.D

Acq: 8 Aug 2018 17:21

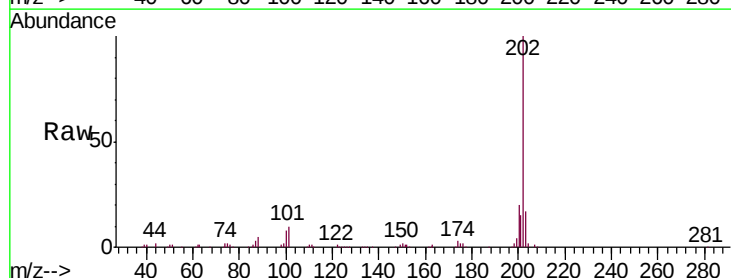
Tgt Ion:202 Resp: 160859

Ion Ratio Lower Upper

202 100

101 10.2 0.0 34.1

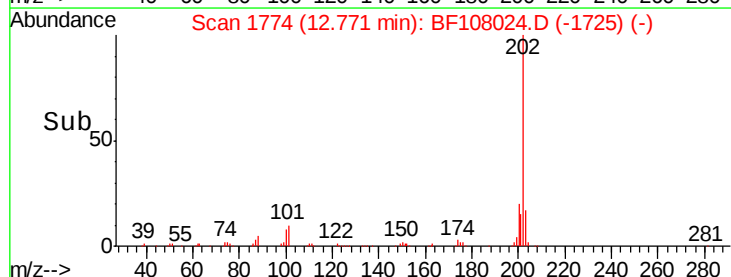
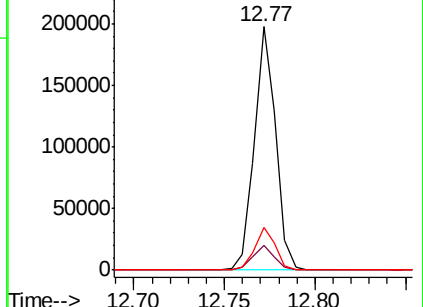
203 17.4 0.0 38.1

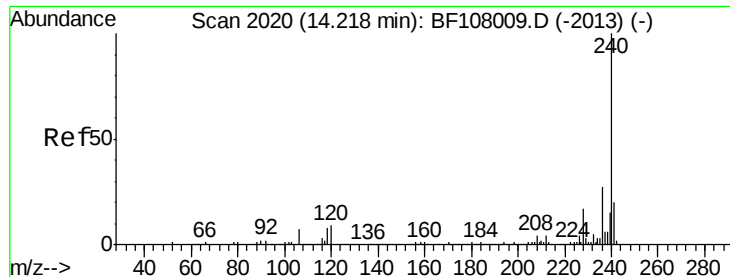


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.21 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF108024.D

Acq: 8 Aug 2018 17:21

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

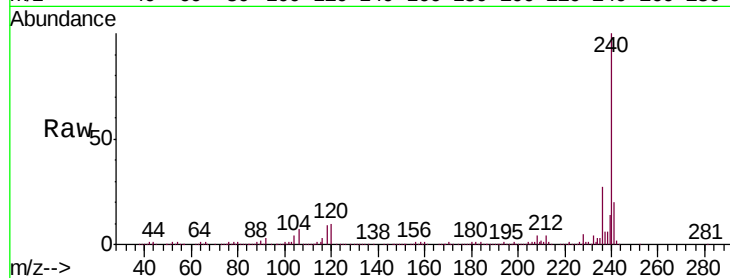
Tgt Ion:240 Resp: 570122

Ion Ratio Lower Upper

240 100

120 10.4 9.5 14.3

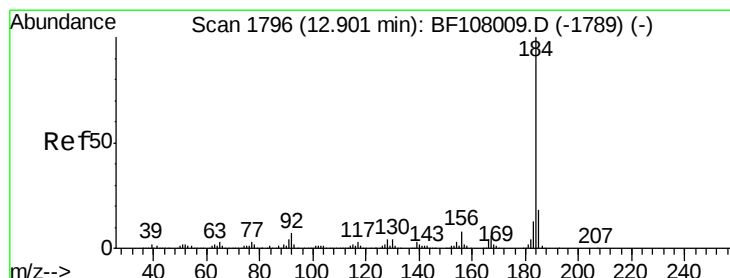
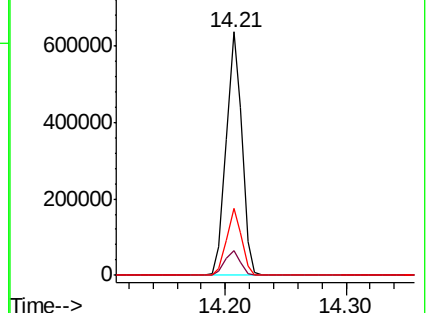
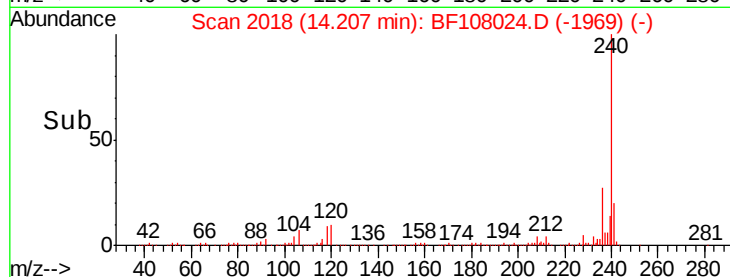
236 27.4 20.7 31.1



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: 1.486 ng

RT: 13.15 min Scan# 1838

Delta R.T. 0.25 min

Lab File: BF108024.D

Acq: 8 Aug 2018 17:21

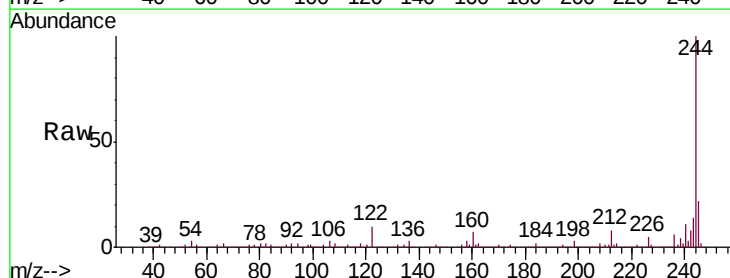
Tgt Ion:184 Resp: 31661

Ion Ratio Lower Upper

184 100

185 14.3 12.6 18.8

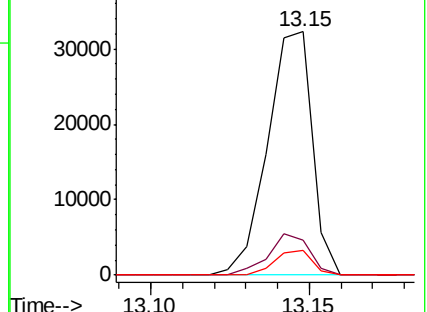
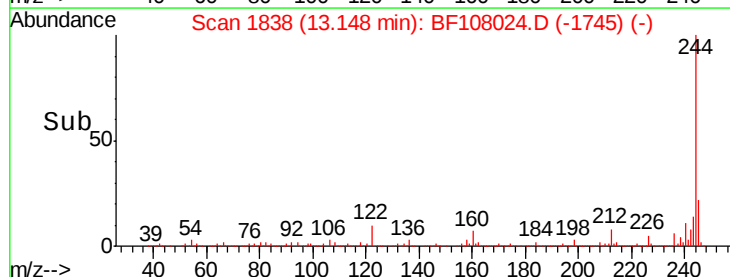
183 10.0 9.3 13.9



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 4.486 ng

RT: 13.01 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF108024.D

Acq: 8 Aug 2018 17:21

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

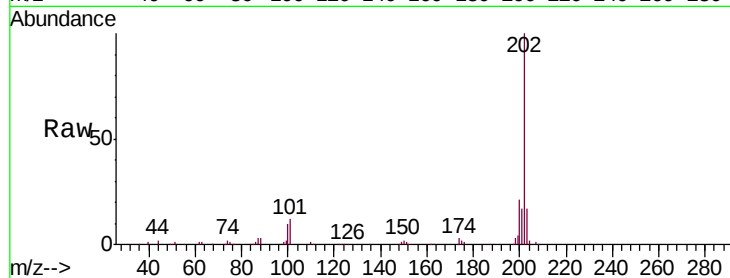
Tgt Ion:202 Resp: 161908

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

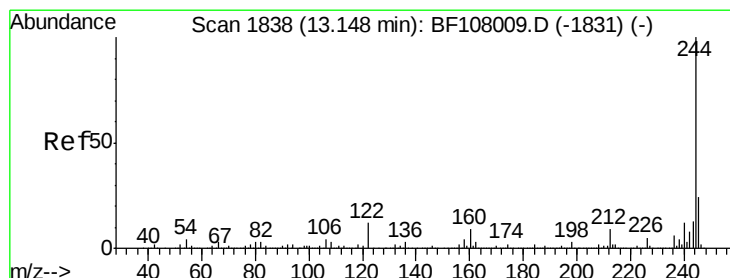
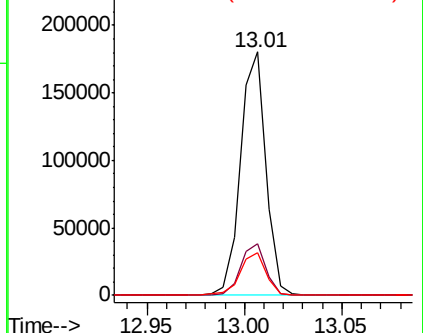
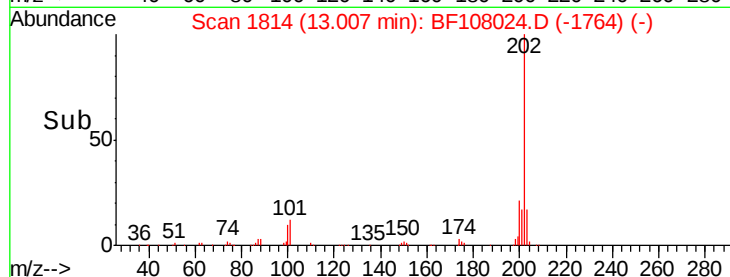
203 17.4 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 94.684 ng

RT: 13.15 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF108024.D

Acq: 8 Aug 2018 17:21

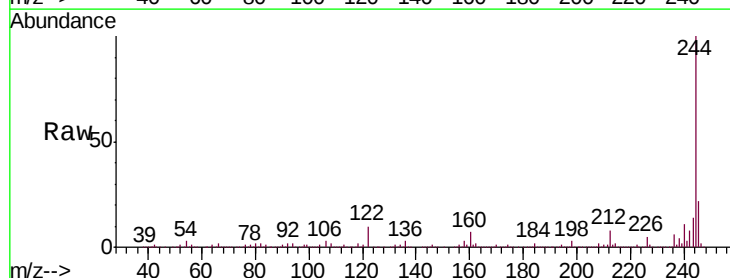
Tgt Ion:244 Resp: 2123109

Ion Ratio Lower Upper

244 100

212 8.1 5.4 8.0#

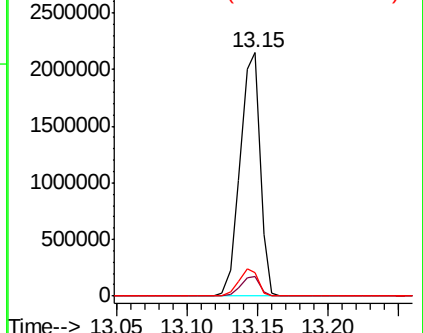
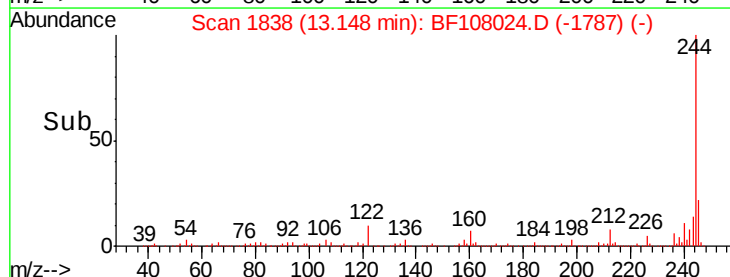
122 9.7 11.0 16.4#

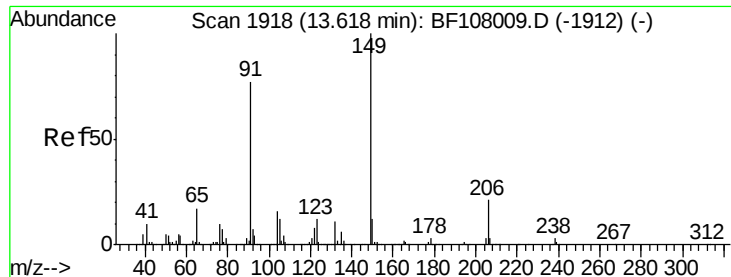


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

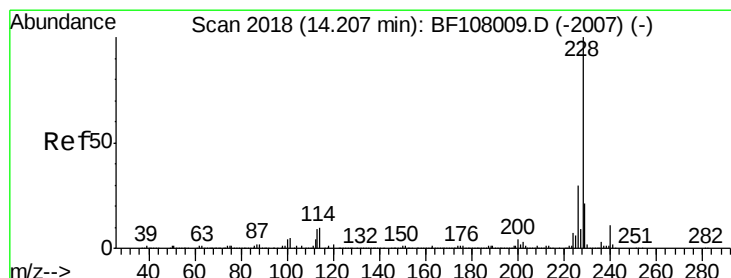
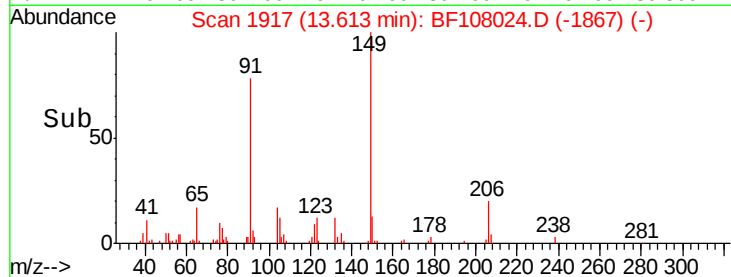
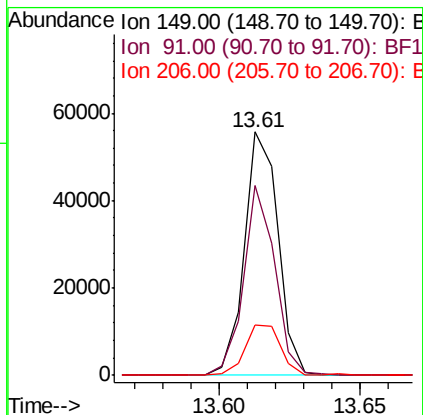
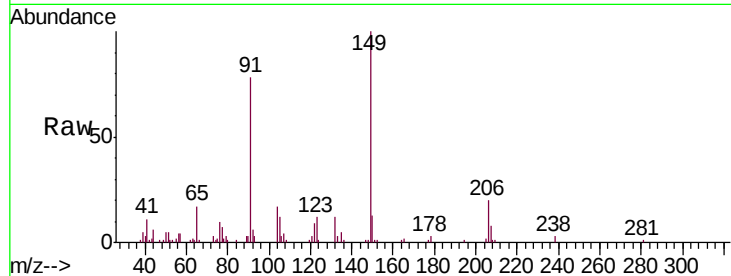




#79
Butylbenzylphthalate
Concen: 3.207 ng
RT: 13.61 min Scan# 1917
Delta R.T. -0.01 min
Lab File: BF108024.D
Acq: 8 Aug 2018 17:21

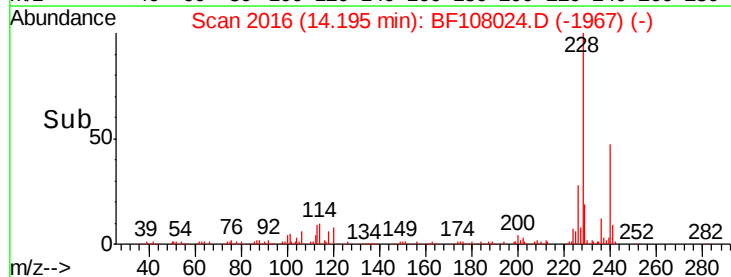
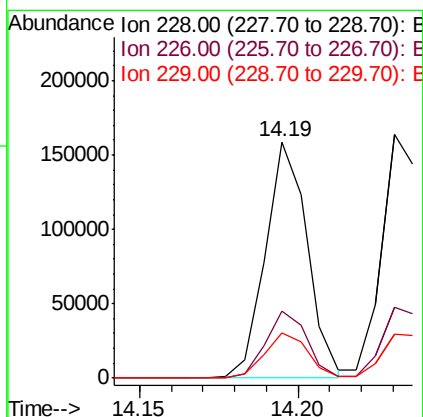
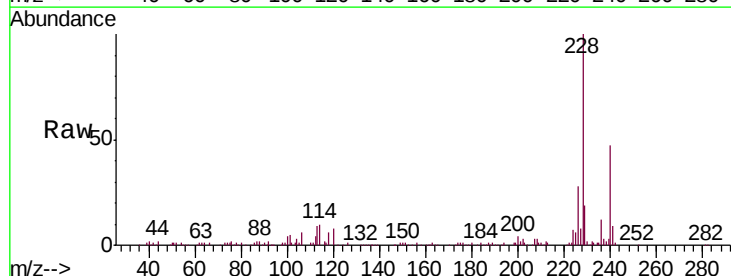
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

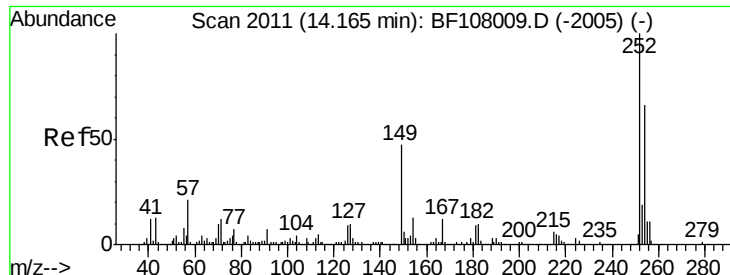
Tgt Ion	Resp	Lower	Upper
149	45969		
91	78.2	56.8	85.2
206	20.4	14.1	21.1



#80
Benzo(a)anthracene
Concen: 4.474 ng
RT: 14.19 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF108024.D
Acq: 8 Aug 2018 17:21

Tgt Ion	Resp	Lower	Upper
228	146380		
226	28.1	22.6	33.8
229	19.2	15.8	23.6

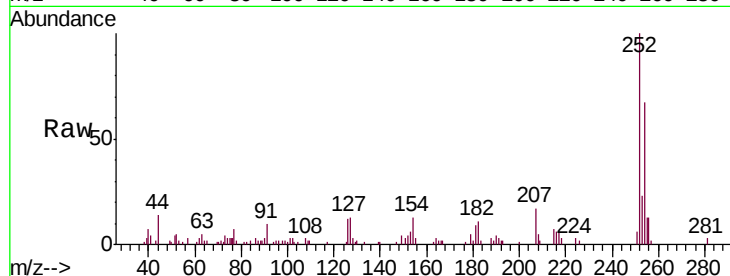




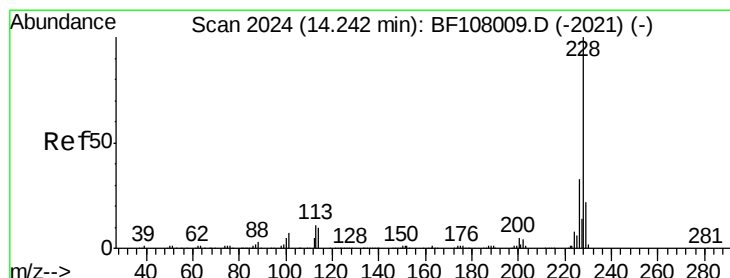
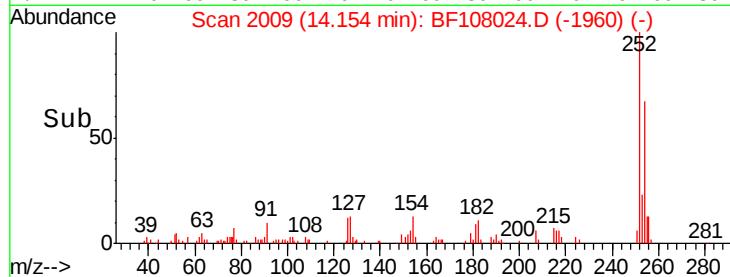
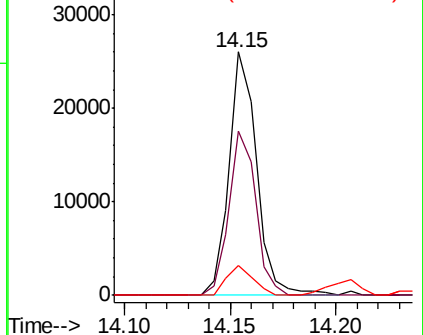
#81
 3,3'-Dichlorobenzidine
 Concen: 2.000 ng
 RT: 14.15 min Scan# 2009
 Delta R.T. -0.01 min
 Lab File: BF108024.D
 Acq: 8 Aug 2018 17:21

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tgt Ion: 252 Resp: 23447
 Ion Ratio Lower Upper
 252 100
 254 67.4 50.4 75.6
 126 12.1 11.3 16.9

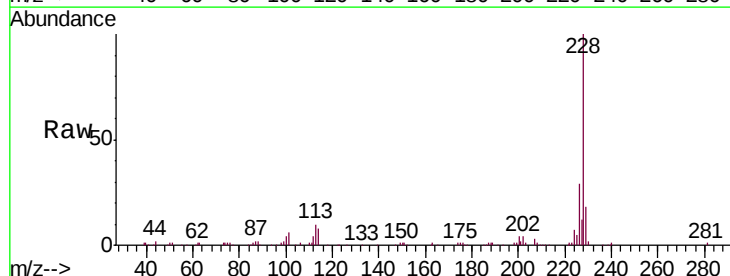


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

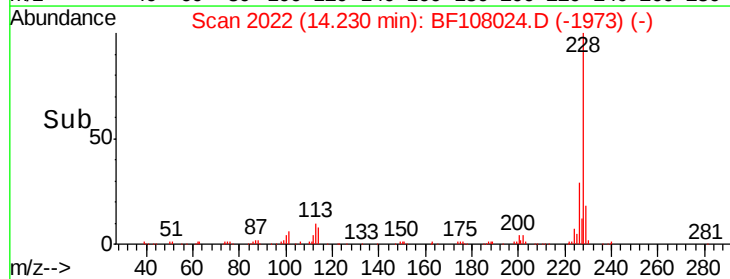
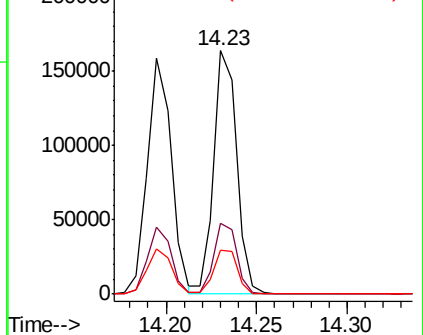


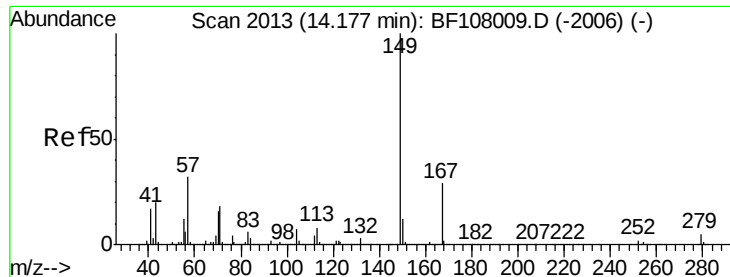
#82
 Chrysene
 Concen: 4.830 ng
 RT: 14.23 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF108024.D
 Acq: 8 Aug 2018 17:21

Tgt Ion: 228 Resp: 144892
 Ion Ratio Lower Upper
 228 100
 226 28.9 25.0 37.6
 229 18.2 16.2 24.4



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

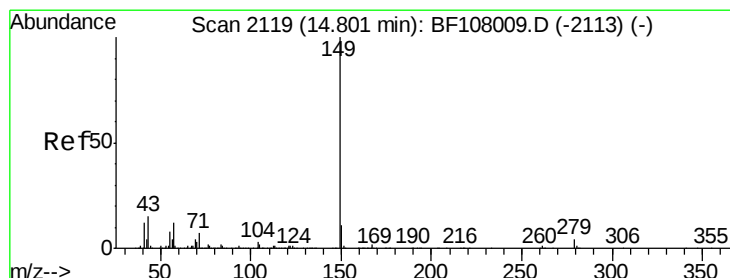
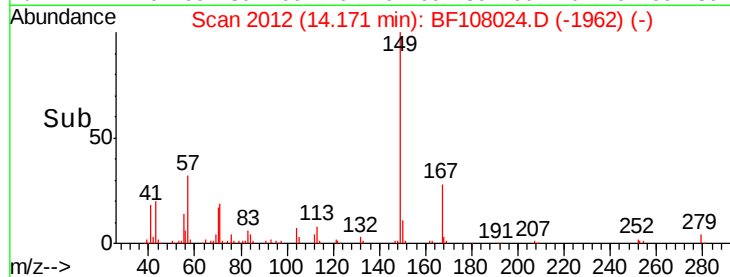
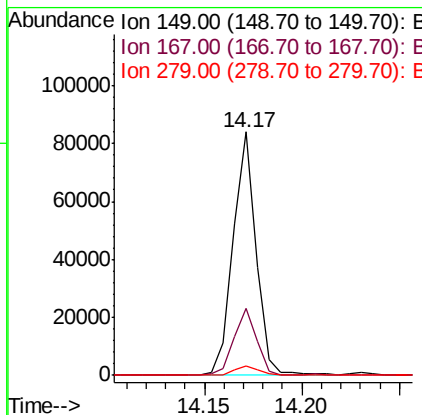
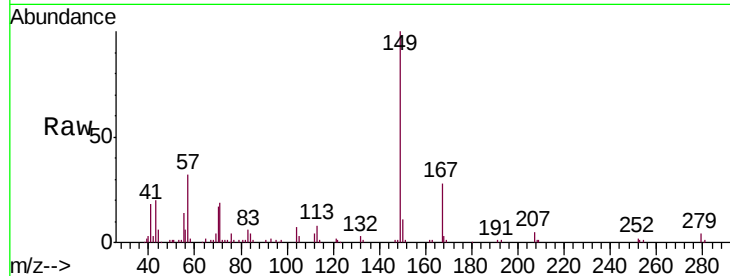




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.551 ng
 RT: 14.17 min Scan# 2012
 Delta R.T. -0.01 min
 Lab File: BF108024.D
 Acq: 8 Aug 2018 17:21

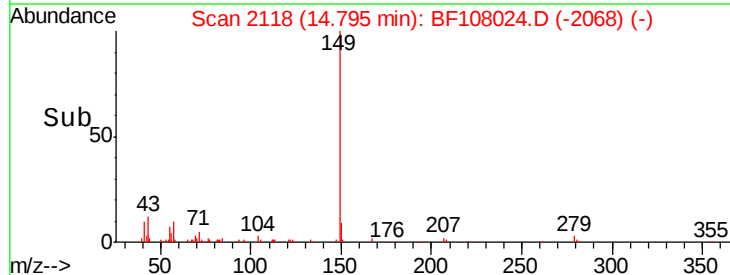
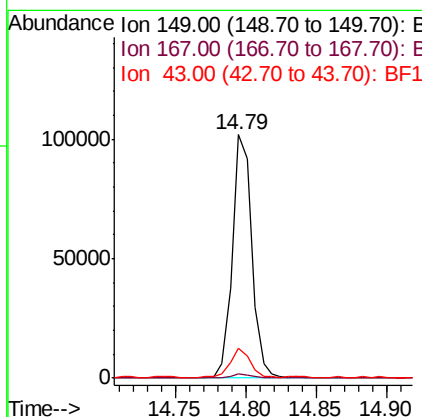
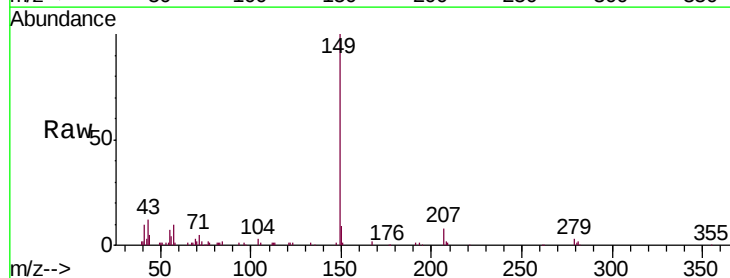
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

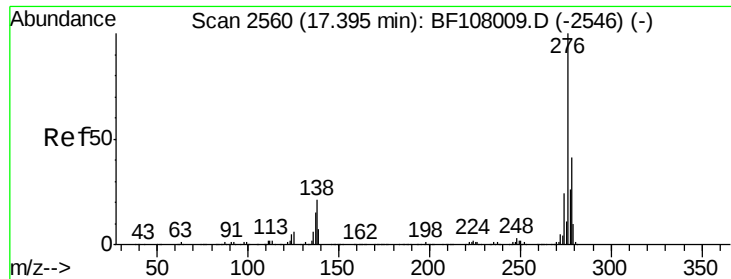
Tgt Ion:149 Resp: 68926
 Ion Ratio Lower Upper
 149 100
 167 27.6 21.3 31.9
 279 3.8 3.0 4.4



#84
 Di-n-octyl phthalate
 Concen: 3.320 ng
 RT: 14.79 min Scan# 2118
 Delta R.T. -0.01 min
 Lab File: BF108024.D
 Acq: 8 Aug 2018 17:21

Tgt Ion:149 Resp: 98276
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.2 1.8
 43 13.3 8.4 12.6#





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.626 ng

RT: 17.37 min Scan# 2556

Delta R.T. -0.02 min

Lab File: BF108024.D

Acq: 8 Aug 2018 17:21

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

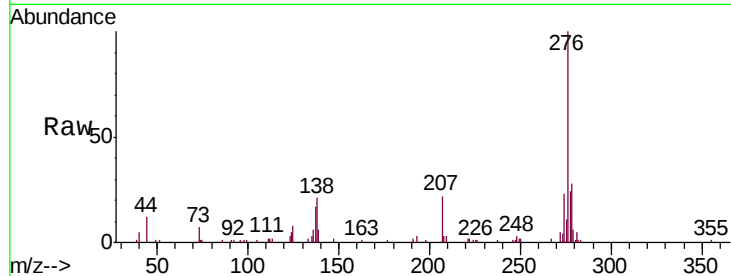
Tgt Ion:276 Resp: 94254

Ion Ratio Lower Upper

276 100

138 23.9 25.0 37.6#

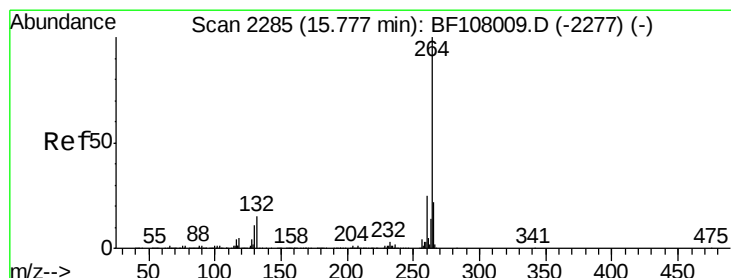
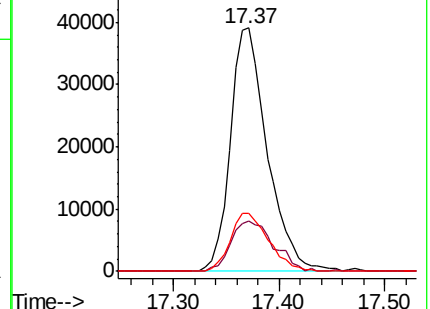
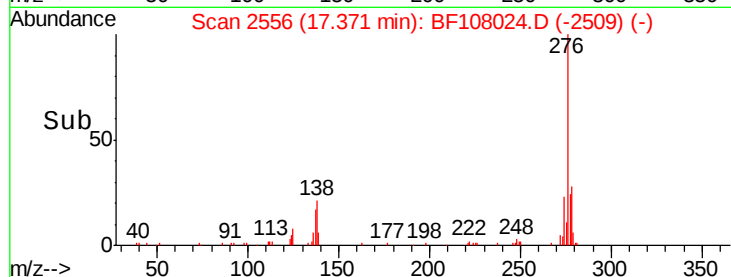
277 24.8 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.77 min Scan# 2283

Delta R.T. -0.01 min

Lab File: BF108024.D

Acq: 8 Aug 2018 17:21

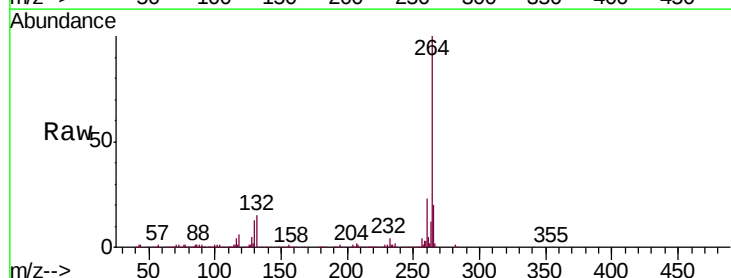
Tgt Ion:264 Resp: 476430

Ion Ratio Lower Upper

264 100

260 22.9 19.2 28.8

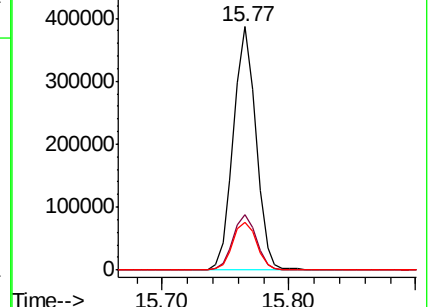
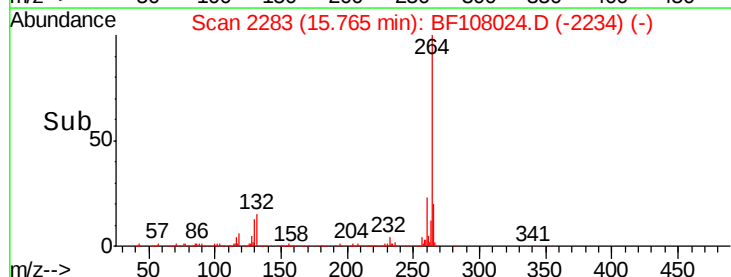
265 19.7 17.5 26.3

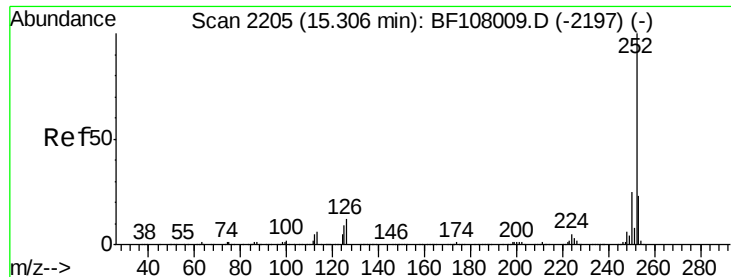


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

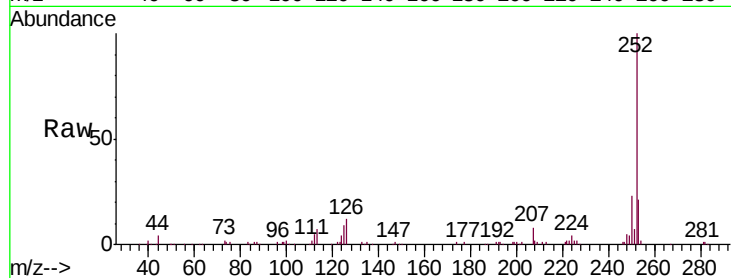




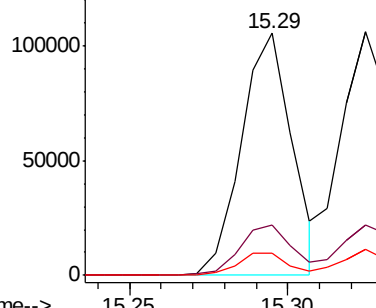
#87
Benzo(b)fluoranthene
Concen: 4.117 ng
RT: 15.29 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF108024.D
Acq: 8 Aug 2018 17:21

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

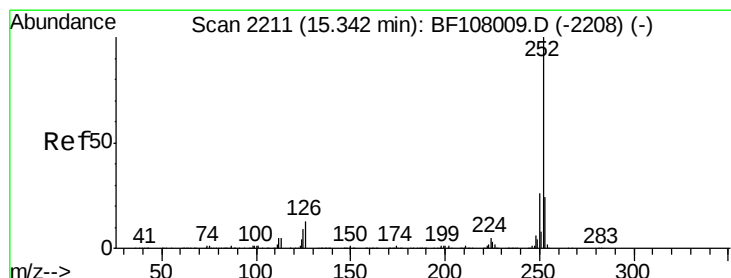
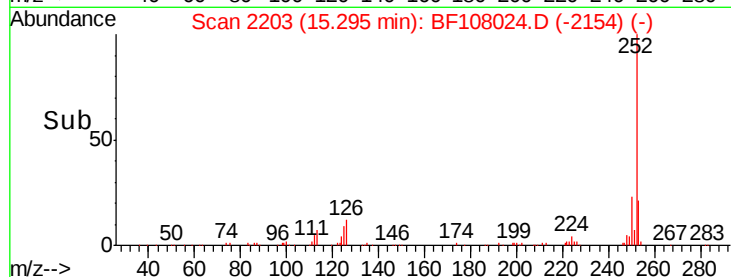
Tgt Ion:252 Resp: 117219
Ion Ratio Lower Upper
252 100
253 20.7 17.0 25.6
125 9.1 9.0 13.6



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

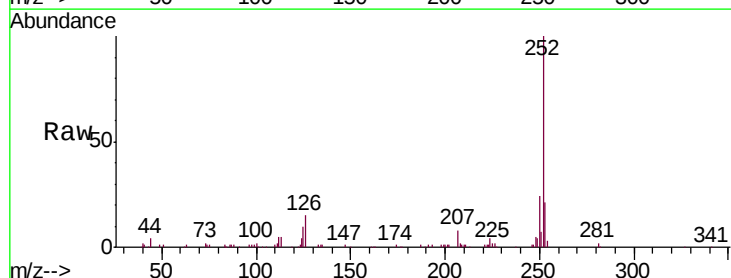


Time-->

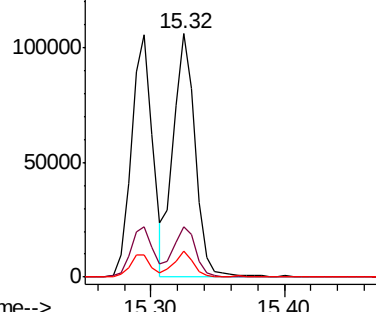


#88
Benzo(k)fluoranthene
Concen: 4.632 ng
RT: 15.32 min Scan# 2208
Delta R.T. -0.02 min
Lab File: BF108024.D
Acq: 8 Aug 2018 17:21

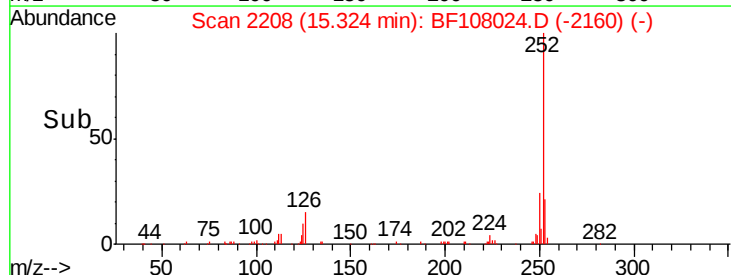
Tgt Ion:252 Resp: 121229
Ion Ratio Lower Upper
252 100
253 20.6 17.9 26.9
125 10.4 10.2 15.2

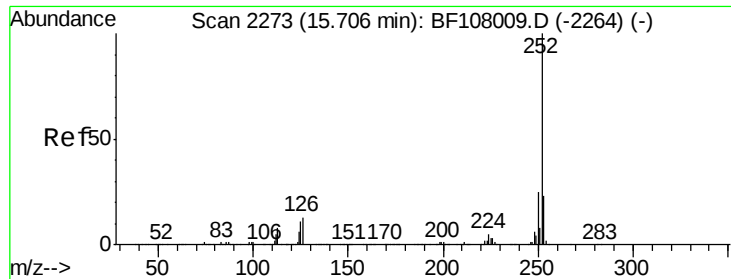


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->

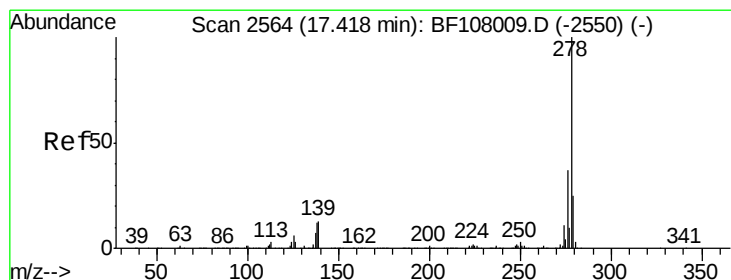
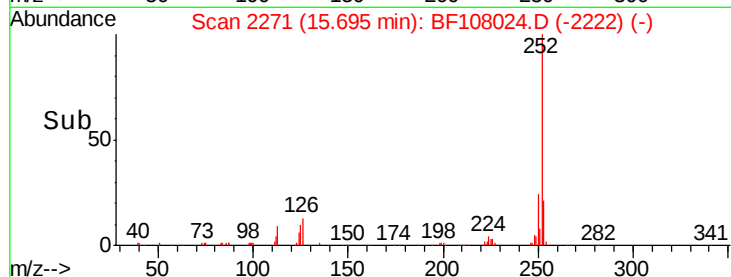
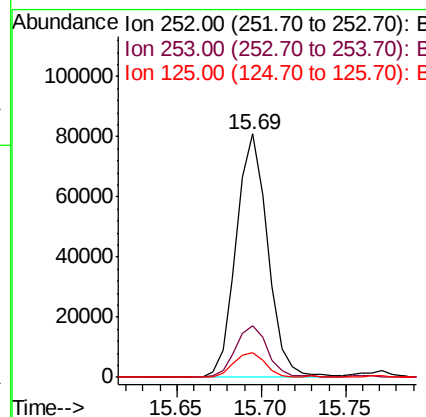
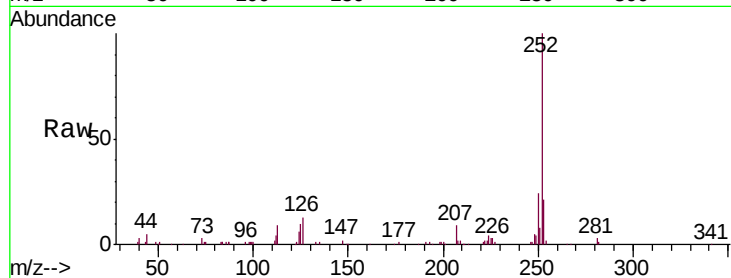




#89
Benzo(a)pyrene
Concen: 4.151 ng
RT: 15.69 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF108024.D
Acq: 8 Aug 2018 17:21

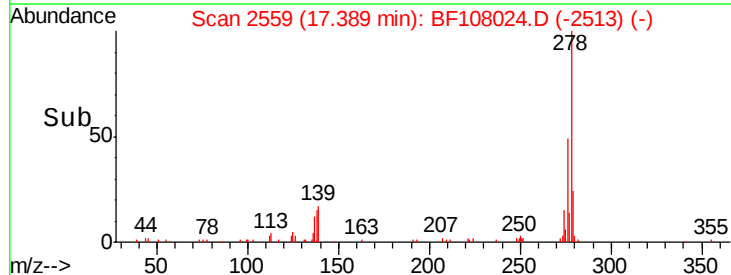
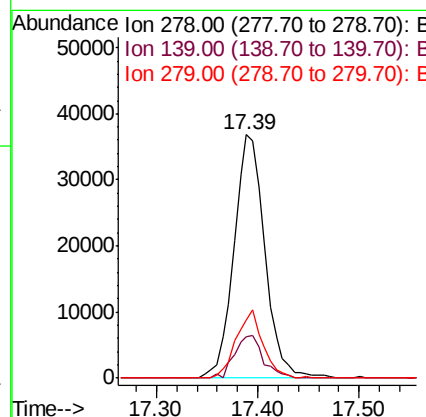
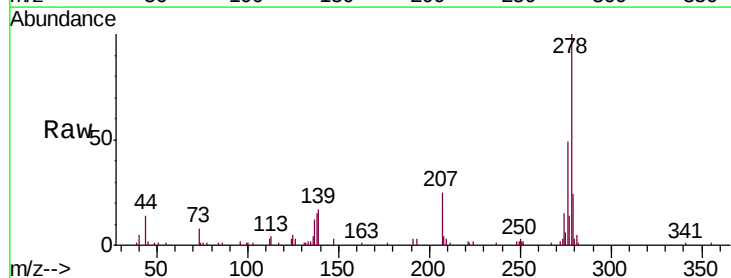
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

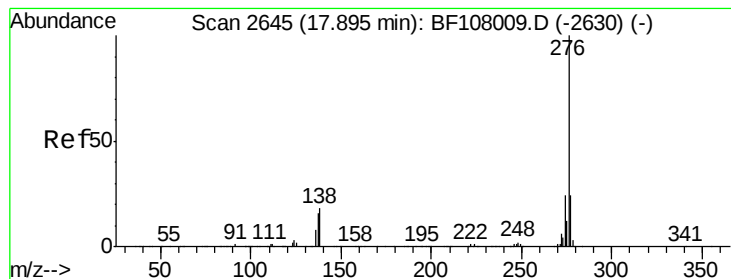
Tgt Ion: 252 Resp: 105831
Ion Ratio Lower Upper
252 100
253 21.1 17.1 25.7
125 10.0 9.8 14.6



#90
Dibenzo(a,h)anthracene
Concen: 3.705 ng
RT: 17.39 min Scan# 2559
Delta R.T. -0.03 min
Lab File: BF108024.D
Acq: 8 Aug 2018 17:21

Tgt Ion: 278 Resp: 78139
Ion Ratio Lower Upper
278 100
139 16.9 15.9 23.9
279 24.0 19.0 28.4





#91

Benzo(g,h,i)perylene

Concen: 3.622 ng

RT: 17.86 min Scan# 2639

Delta R.T. -0.04 min

Lab File: BF108024.D

Acq: 8 Aug 2018 17:21

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tgt Ion: 276 Resp: 75228

Ion Ratio Lower Upper

276 100

277 25.1 17.9 26.9

138 27.2 21.8 32.8

