

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080818\
 Data File : BF108023.D
 Acq On : 8 Aug 2018 16:54
 Operator : JU/SJ
 Sample : J3762-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Aug 08 18:23:47 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	257518	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	1027094	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	553180	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	1154979	20.00	ng	0.00
75) Chrysene-d12	14.21	240	1056292	20.00	ng	0.00
86) Perylene-d12	15.77	264	911791	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	1804025	126.83	ng	0.00
7) Phenol-d6	6.63	99	2410855	127.55	ng	0.00
23) Nitrobenzene-d5	7.58	82	1523509	82.77	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	767721	139.13	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	2786624	80.87	ng	0.00
78) Terphenyl-d14	13.15	244	3408190	82.04	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.91	88	8378	1.146	ng	# 78
3) Pyridine	3.77	79	19756	1.049	ng	# 40
4) n-Nitrosodimethylamine	3.64	42	12339	1.165	ng	# 75
6) Aniline	6.68	93	15671	0.610	ng	# 90
8) 2-Chlorophenol	6.80	128	18866	1.178	ng	84
9) Benzaldehyde	6.57	77	14774	1.008	ng	97
10) Phenol	6.64	94	23913	1.223	ng	# 57
11) bis(2-Chloroethyl)ether	6.74	93	18385	1.163	ng	87
12) 1,3-Dichlorobenzene	6.95	146	21236	1.146	ng	94
13) 1,4-Dichlorobenzene	7.03	146	22212	1.194	ng	96
14) 1,2-Dichlorobenzene	7.18	146	20309	1.173	ng	97
15) Benzyl Alcohol	7.17	79	36177	2.274	ng	# 40
16) 2,2'-oxybis(1-Chloropropan	7.28	45	38979	1.197	ng	98
17) 2-Methylphenol	7.24	107	17294	1.259	ng	# 92
18) Hexachloroethane	7.53	117	7766	1.172	ng	92
19) n-Nitroso-di-n-propylamine	7.41	70	14729	1.152	ng	# 78
20) 3+4-Methylphenols	7.40	107	20787	1.181	ng	94
22) Acetophenone	7.41	105	30170	1.256	ng	# 93
24) Nitrobenzene	7.59	77	26172	1.406	ng	93
25) Isophorone	7.58	82	1522817	43.406	ng	# 64
26) 2-Nitrophenol	7.91	139	5580	0.794	ng	98
27) 2,4-Dimethylphenol	7.93	122	17718	1.138	ng	93
28) bis(2-Chloroethoxy)methane	8.03	93	23737	1.159	ng	97
29) 2,4-Dichlorophenol	8.14	162	13577	0.947	ng	95
30) 1,2,4-Trichlorobenzene	8.24	180	18512	1.172	ng	98
31) Naphthalene	8.32	128	59061	1.264	ng	97
32) Benzoic acid	7.93	122	17718	7.691	ng	# 17
33) 4-Chloroaniline	8.36	127	14240	0.700	ng	97
34) Hexachlorobutadiene	8.43	225	11501	1.150	ng	94
35) Caprolactam	8.67	113	3679	0.819	ng	# 60
36) 4-Chloro-3-methylphenol	8.82	107	14821	0.959	ng	98
37) 2-Methylnaphthalene	9.01	142	41858	1.267	ng	97
39) 1,2,4,5-Tetrachlorobenzene	9.17	216	20344	1.198	ng	97
40) Hexachlorocyclopentadiene	9.16	237	9724	0.886	ng	89

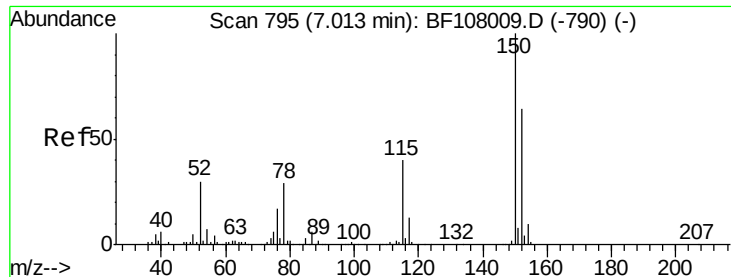
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080818\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.28	196	8338	0.791	ng	99
43) 2,4,5-Trichlorophenol	9.31	196	9962	0.858	ng	# 92
45) 1,1'-Biphenyl	9.47	154	54842	1.345	ng	98
46) 2-Chloronaphthalene	9.50	162	39740	1.233	ng	93
47) 2-Nitroaniline	9.59	65	9329	0.894	ng	88
48) Acenaphthylene	9.92	152	62848	1.233	ng	98
49) Dimethylphthalate	9.76	163	46045	1.195	ng	97
50) 2,6-Dinitrotoluene	9.83	165	7522	0.933	ng	# 88
51) Acenaphthene	10.09	154	39350	1.261	ng	95
52) 3-Nitroaniline	10.00	138	6832	0.775	ng	# 89
53) 2,4-Dinitrophenol	10.10	184	674	7.224	ng	# 1
54) Dibenzofuran	10.27	168	59976	1.326	ng	97
55) 4-Nitrophenol	10.14	139	4387	0.657	ng	# 82
56) 2,4-Dinitrotoluene	10.23	165	8177	0.788	ng	# 77
57) Fluorene	10.61	166	48351	1.351	ng	96
58) 2,3,4,6-Tetrachlorophenol	10.38	232	7587	0.782	ng	# 90
59) Diethylphthalate	10.47	149	44389	1.190	ng	97
60) 4-Chlorophenyl-phenylether	10.60	204	22631	1.213	ng	93
61) 4-Nitroaniline	10.61	138	7793	0.894	ng	86
62) Azobenzene	10.76	77	47224	1.225	ng	95
64) 4,6-Dinitro-2-methylphenol	10.64	198	1668	5.700	ng	# 48
65) n-Nitrosodiphenylamine	10.71	169	39168	1.148	ng	98
66) 4-Bromophenyl-phenylether	11.09	248	14078	1.122	ng	87
67) Hexachlorobenzene	11.16	284	14888	1.127	ng	# 87
68) Atrazine	11.23	200	12100	1.057	ng	98
69) Pentachlorophenol	11.35	266	3168	0.501	ng	97
70) Phenanthrene	11.58	178	71851	1.319	ng	99
71) Anthracene	11.63	178	71693	1.284	ng	98
72) Carbazole	11.78	167	60719	1.224	ng	98
73) Di-n-butylphthalate	12.11	149	62790	1.117	ng	100
74) Fluoranthene	12.77	202	76949	1.294	ng	94
76) Benzidine	12.89	184	8311	0.211	ng	# 88
77) Pyrene	13.01	202	78363	1.172	ng	99
79) Butylbenzylphthalate	13.61	149	20533	0.773	ng	# 96
80) Benzo(a)anthracene	14.20	228	71997	1.188	ng	98
81) 3,3'-Dichlorobenzidine	14.15	252	12138	0.559	ng	99
82) Chrysene	14.24	228	70812	1.274	ng	97
83) Bis(2-ethylhexyl)phthalate	14.17	149	32056	0.891	ng	99
84) Di-n-octyl phthalate	14.80	149	42445	0.774	ng	# 91
85) Indeno(1,2,3-cd)pyrene	17.38	276	45212	0.939	ng	94
87) Benzo(b)fluoranthene	15.29	252	60225	1.105	ng	# 95
88) Benzo(k)fluoranthene	15.32	252	55392	1.106	ng	# 91
89) Benzo(a)pyrene	15.69	252	49598	1.017	ng	97
90) Dibenzo(a,h)anthracene	17.39	278	37317	0.924	ng	# 92
91) Benzo(g,h,i)perylene	17.86	276	38621	0.972	ng	# 87

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

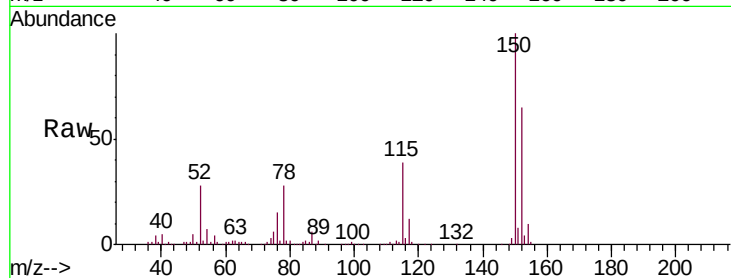


#1

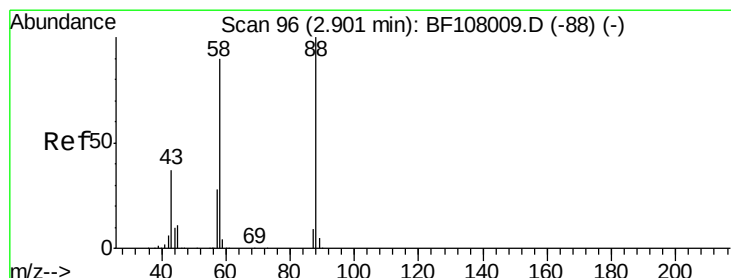
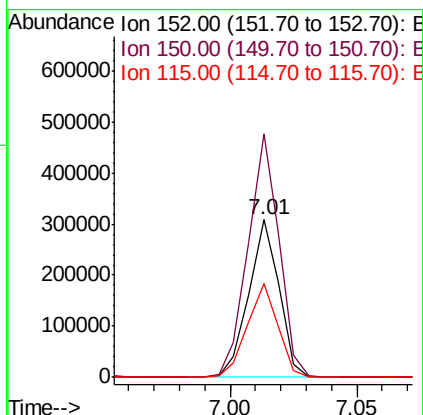
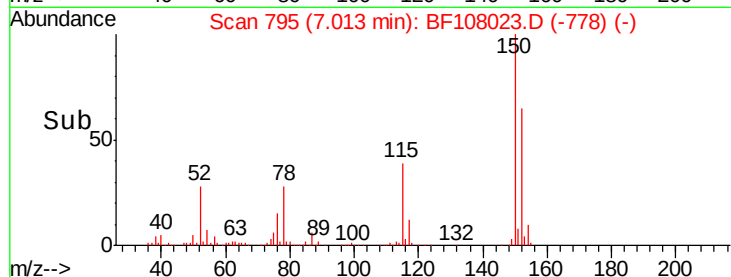
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

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

Tgt Ion:152 Resp: 257518
Ion Ratio Lower Upper
152 100
150 154.8 124.6 186.8
115 59.7 50.1 75.1



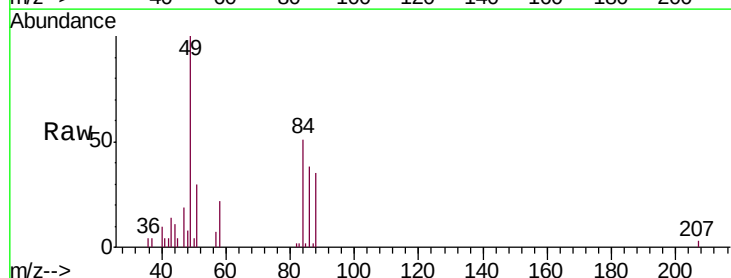
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



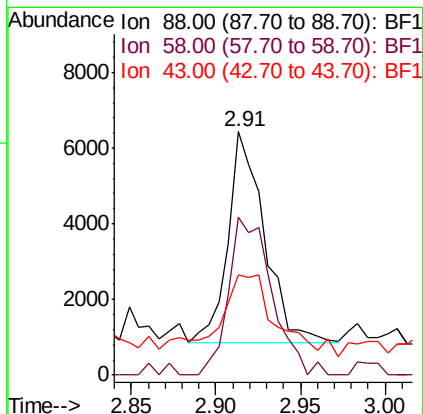
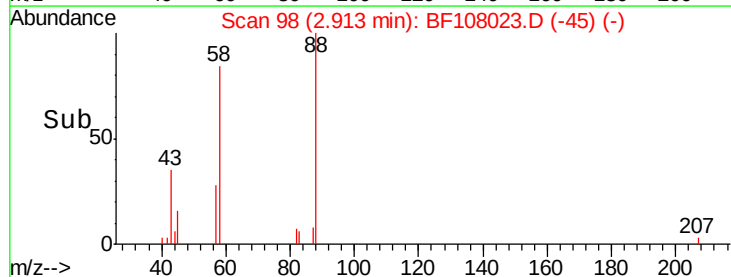
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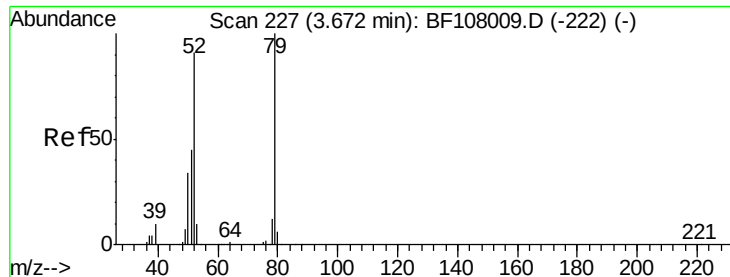
1,4-Dioxane
Concen: 1.146 ng
RT: 2.91 min Scan# 98
Delta R.T. 0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

Tgt Ion: 88 Resp: 8378
Ion Ratio Lower Upper
88 100
58 89.0 62.6 93.8
43 56.3 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: 1.049 ng

RT: 3.77 min Scan# 243

Delta R.T. 0.09 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

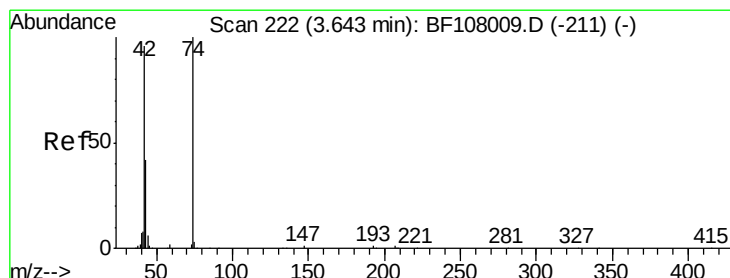
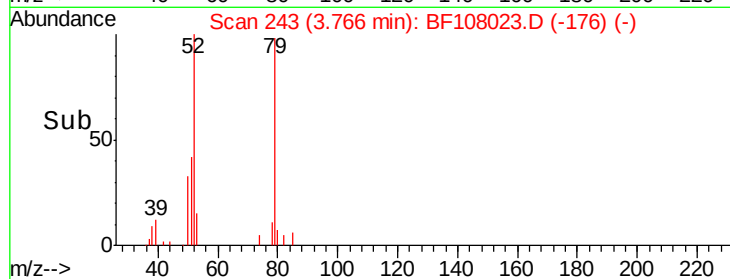
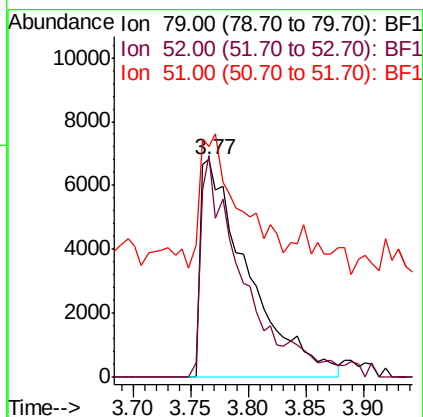
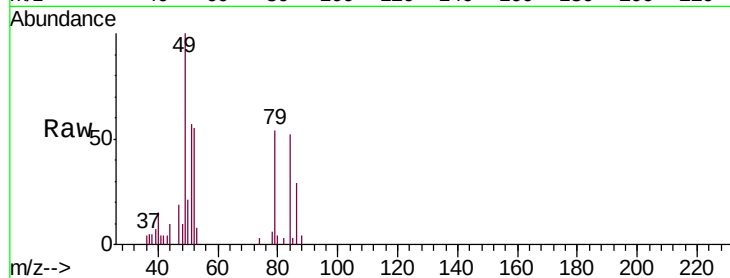
Tgt Ion: 79 Resp: 19756

Ion Ratio Lower Upper

79 100

52 102.2 59.8 89.6#

51 106.4 29.8 44.8#



#4

n-Nitrosodimethylamine

Concen: 1.165 ng

RT: 3.64 min Scan# 221

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

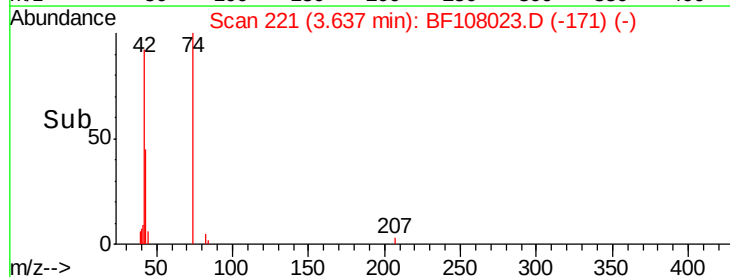
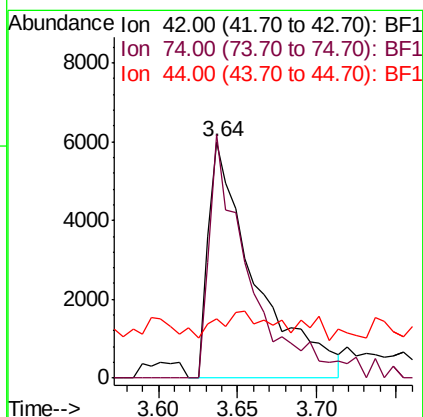
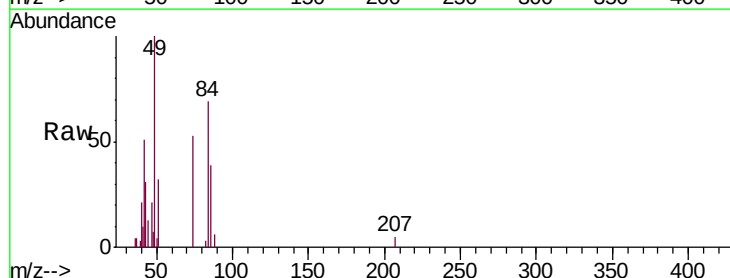
Tgt Ion: 42 Resp: 12339

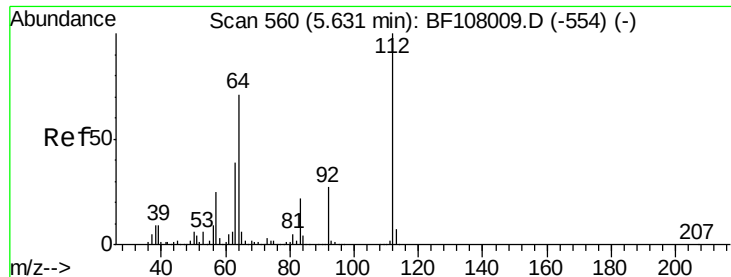
Ion Ratio Lower Upper

42 100

74 103.0 104.9 157.3#

44 25.0 6.9 10.3#





#5

2-Fluorophenol

Concen: 126.830 ng

RT: 5.63 min Scan# 560

Delta R.T. 0.00 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

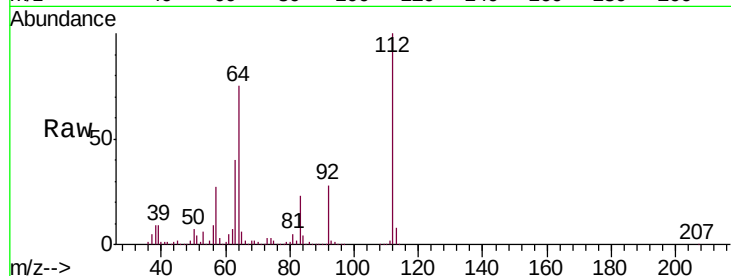
Tgt Ion: 112 Resp: 1804025

Ion Ratio Lower Upper

112 100

64 75.0 47.9 71.9#

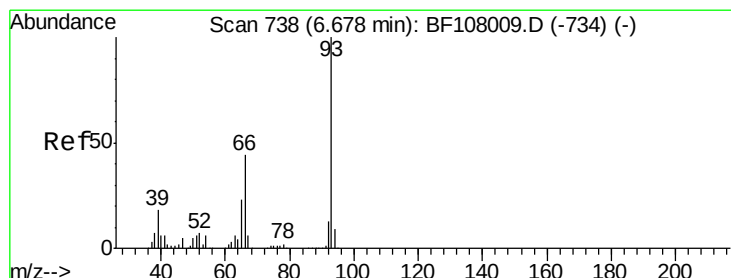
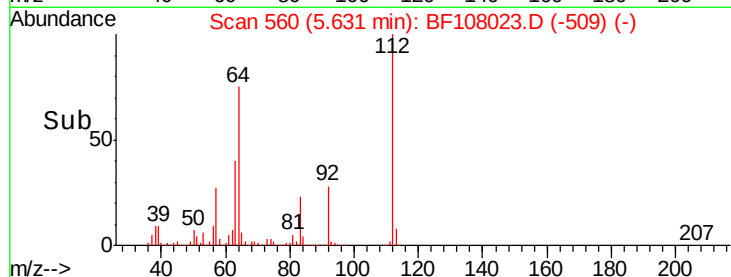
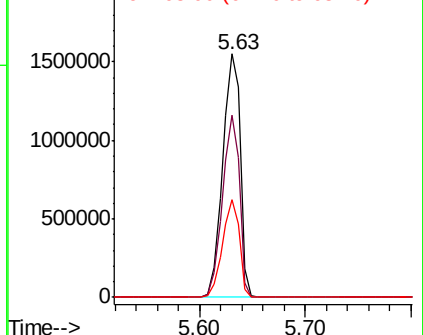
63 40.1 23.7 35.5#



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: 0.610 ng

RT: 6.68 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

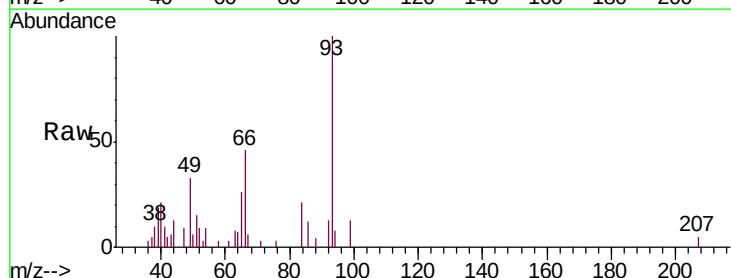
Tgt Ion: 93 Resp: 15671

Ion Ratio Lower Upper

93 100

66 45.9 32.2 48.2

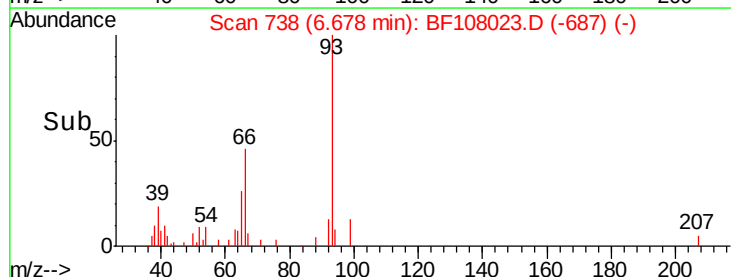
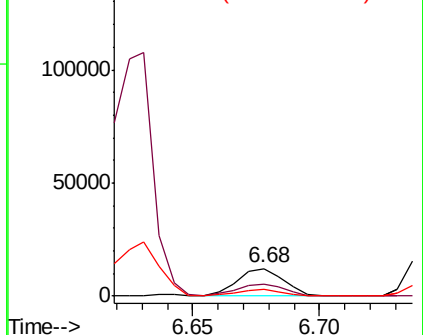
65 26.2 16.4 24.6#

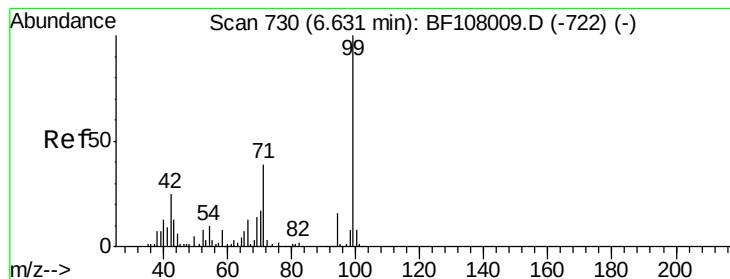


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 127.547 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

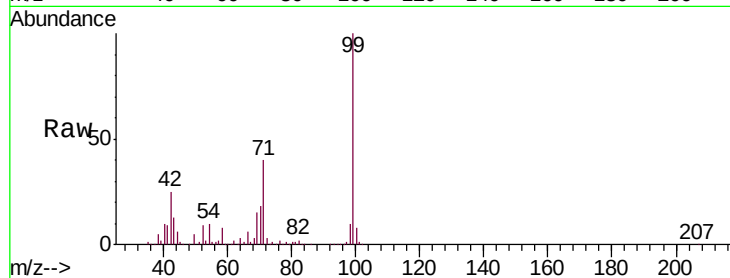
Tgt Ion: 99 Resp: 2410855

Ion Ratio Lower Upper

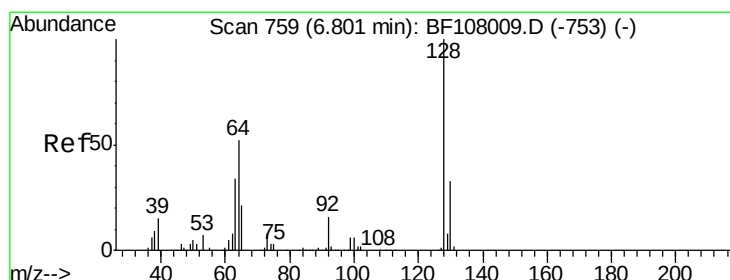
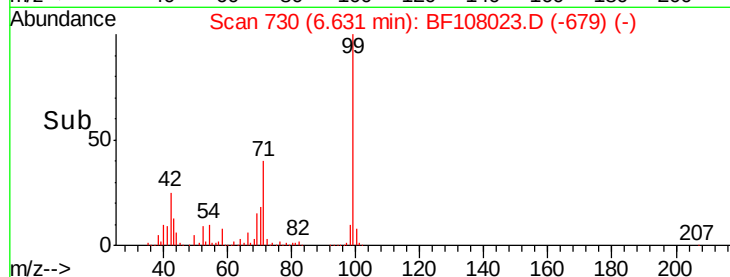
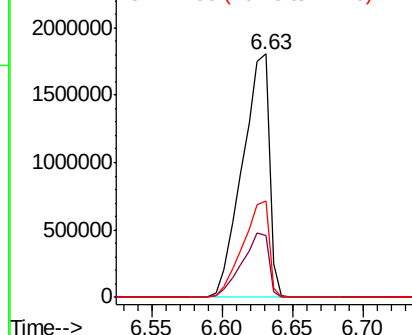
99 100

42 25.5 14.5 21.7#

71 39.6 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: 1.178 ng

RT: 6.80 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

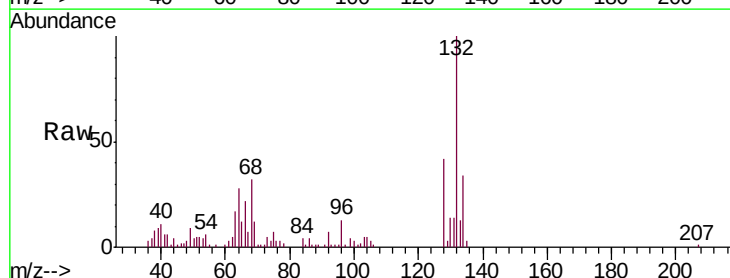
Tgt Ion: 128 Resp: 18866

Ion Ratio Lower Upper

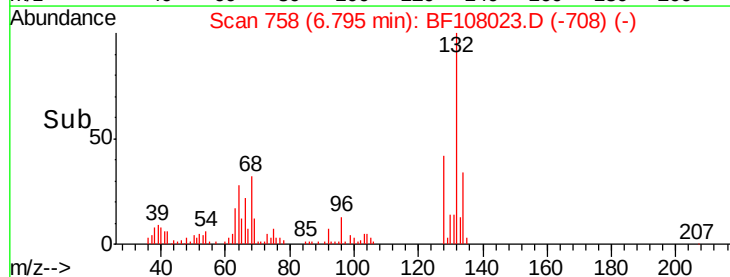
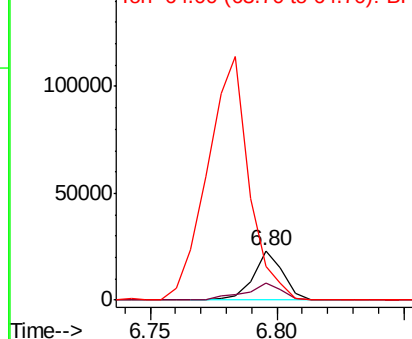
128 100

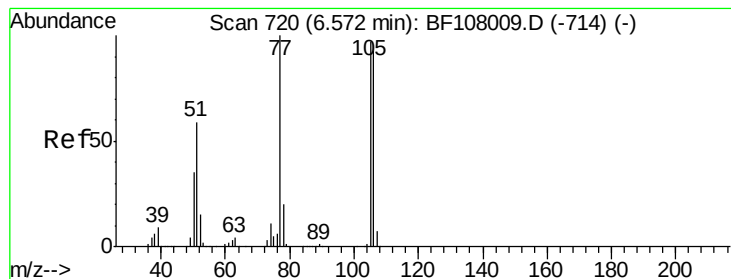
130 34.3 13.0 53.0

64 66.7 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: 1.008 ng

RT: 6.57 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

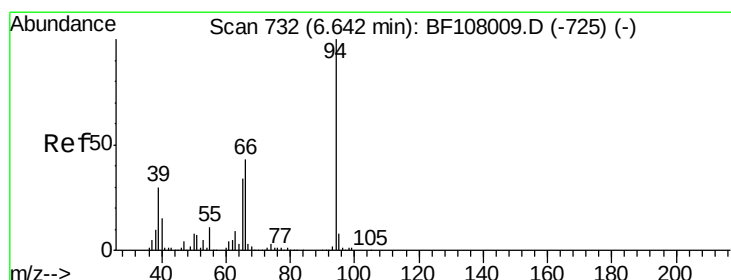
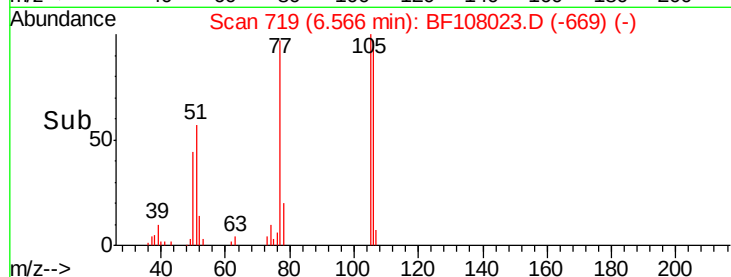
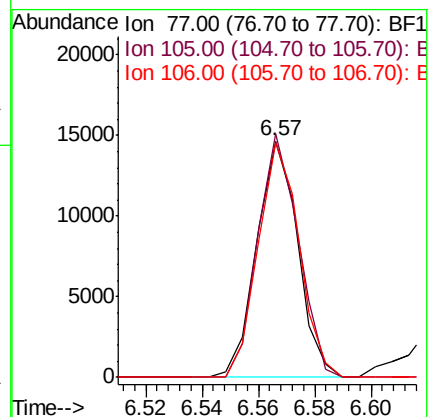
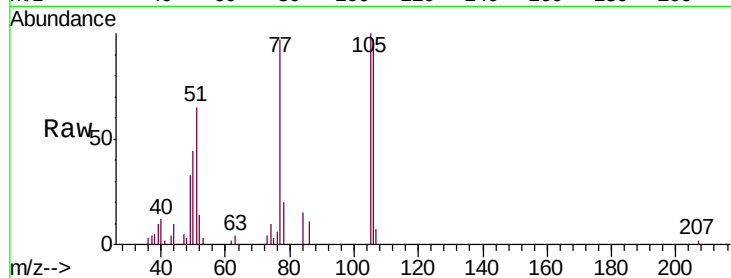
Tgt Ion: 77 Resp: 14774

Ion Ratio Lower Upper

77 100

105 103.0 81.1 121.1

106 99.5 74.5 114.5



#10

Phenol

Concen: 1.223 ng

RT: 6.64 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

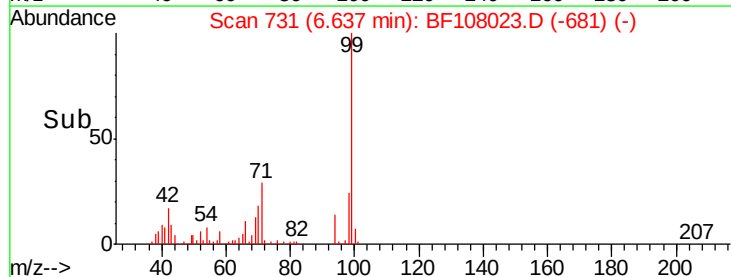
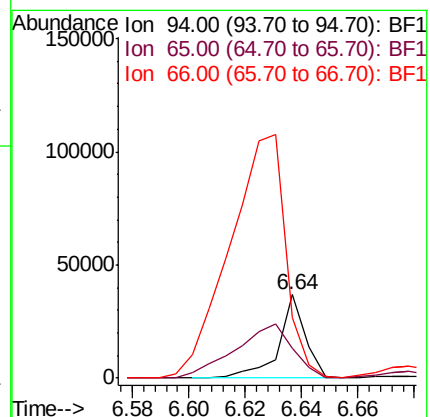
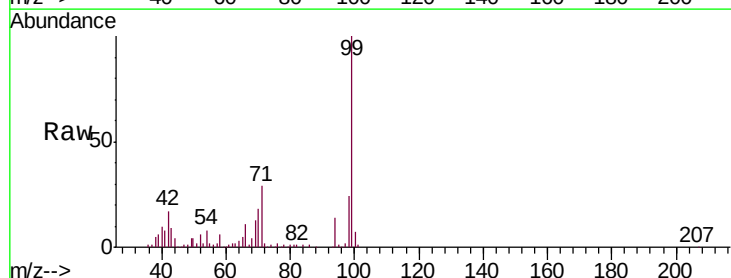
Tgt Ion: 94 Resp: 23913

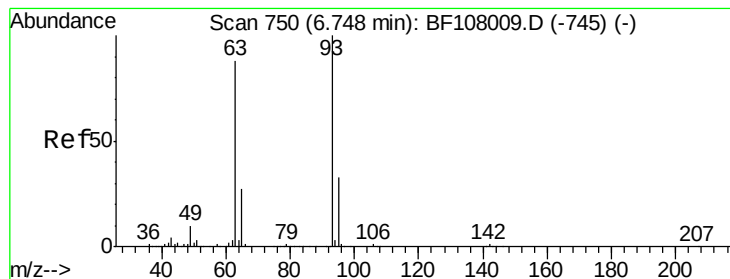
Ion Ratio Lower Upper

94 100

65 36.3 7.9 47.9

66 73.4 16.2 56.2#





#11

bis(2-Chloroethyl)ether

Concen: 1.163 ng

RT: 6.74 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

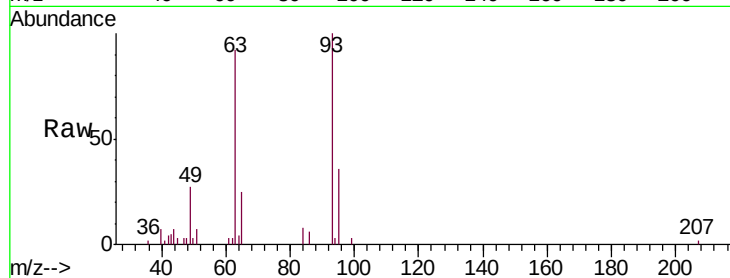
Tgt Ion: 93 Resp: 18385

Ion Ratio Lower Upper

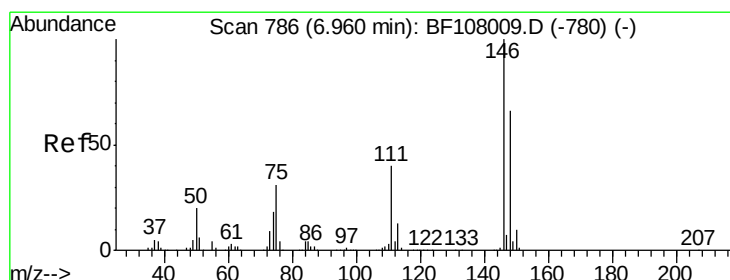
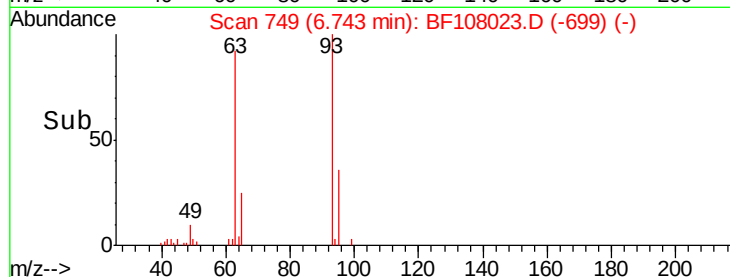
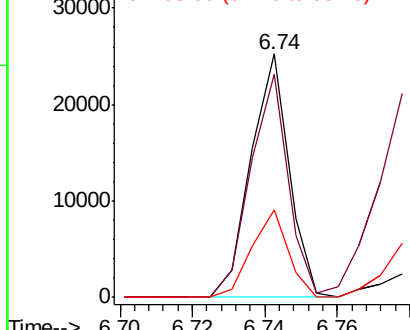
93 100

63 91.8 58.6 98.6

95 35.7 11.8 51.8



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 1.146 ng

RT: 6.95 min Scan# 785

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

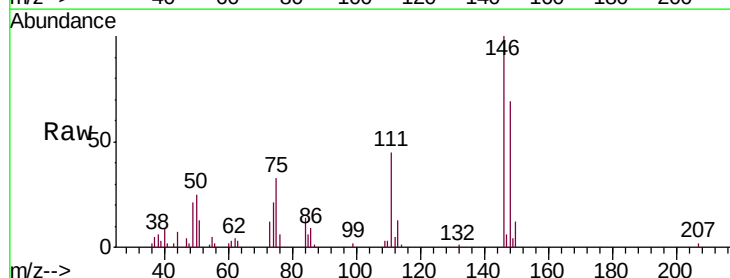
Tgt Ion: 146 Resp: 21236

Ion Ratio Lower Upper

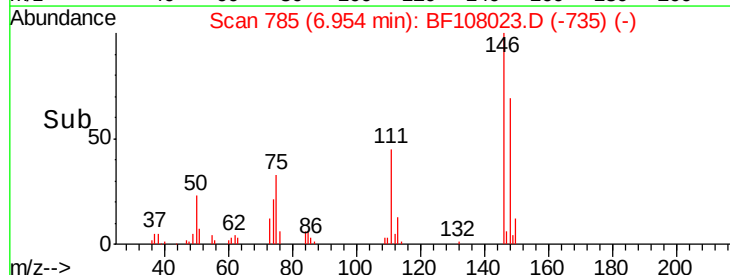
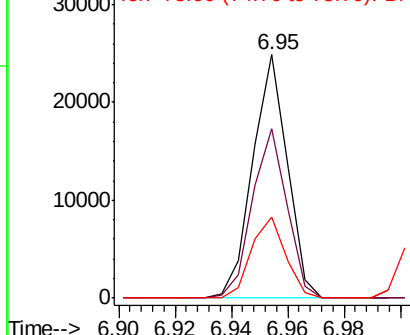
146 100

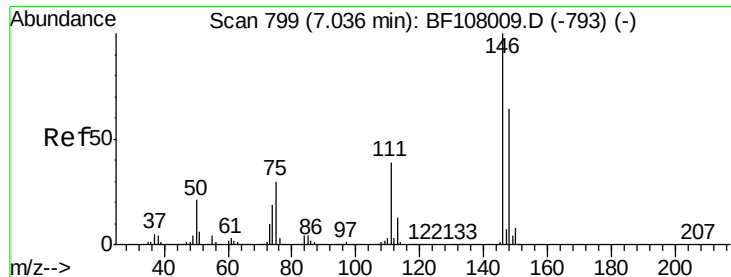
148 69.4 51.8 77.8

75 33.3 24.2 36.4



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF1

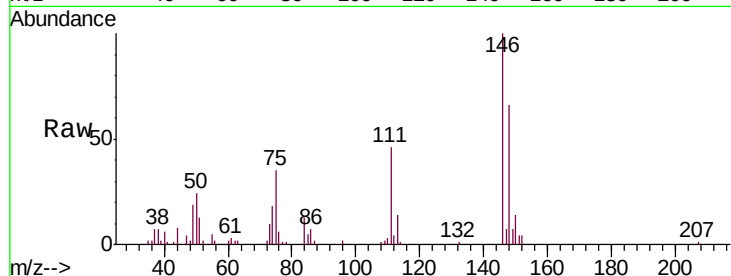




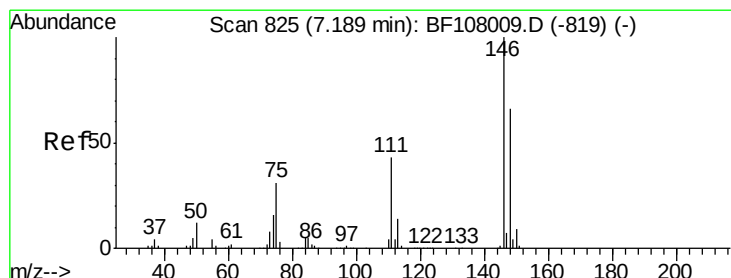
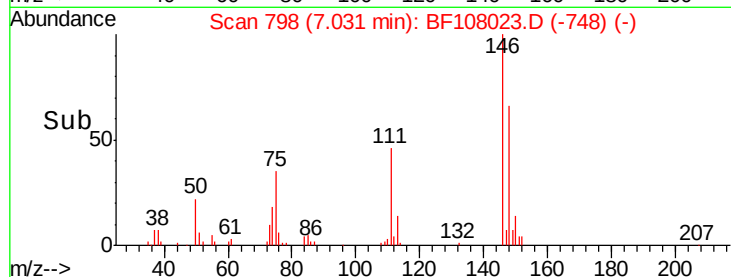
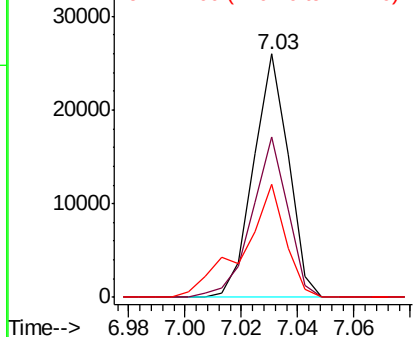
#13
 1,4-Dichlorobenzene
 Concen: 1.194 ng
 RT: 7.03 min Scan# 798
 Delta R.T. -0.01 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

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

Tgt Ion:146 Resp: 22212
 Ion Ratio Lower Upper
 146 100
 148 66.0 50.8 76.2
 111 46.3 34.2 51.2

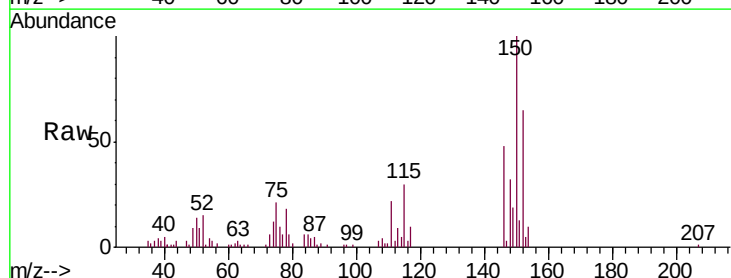


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

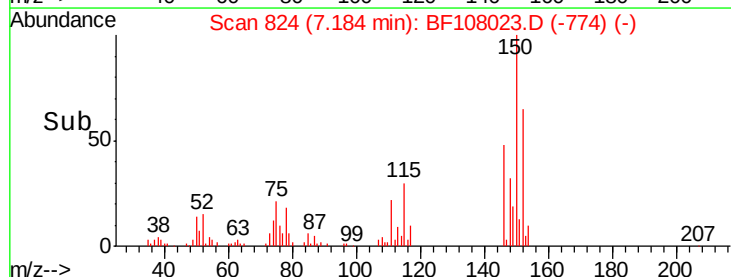
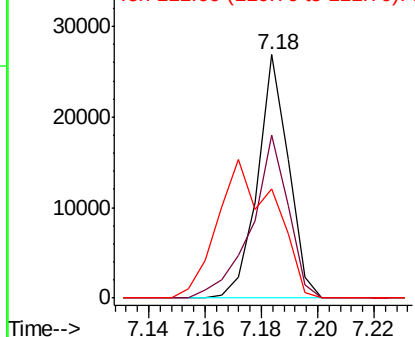


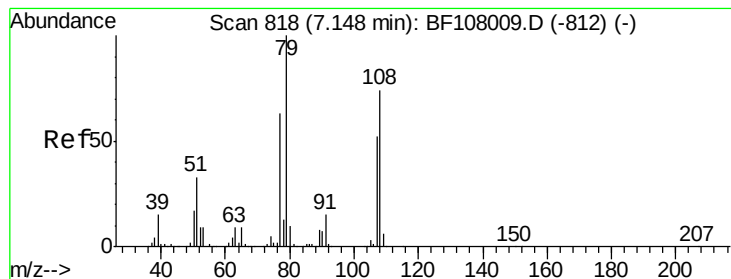
#14
 1,2-Dichlorobenzene
 Concen: 1.173 ng
 RT: 7.18 min Scan# 824
 Delta R.T. -0.01 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

Tgt Ion:146 Resp: 20309
 Ion Ratio Lower Upper
 146 100
 148 67.1 50.6 75.8
 111 44.8 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: 2.274 ng

RT: 7.17 min Scan# 822

Delta R.T. 0.02 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

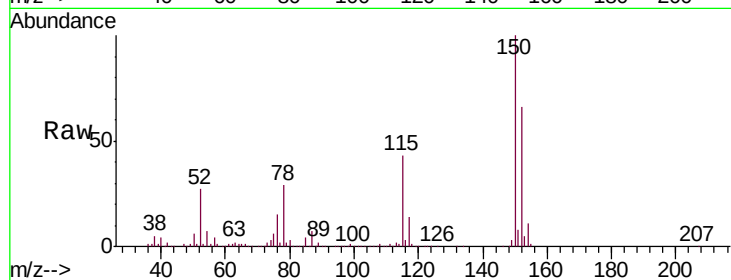
Tgt Ion: 79 Resp: 36177

Ion Ratio Lower Upper

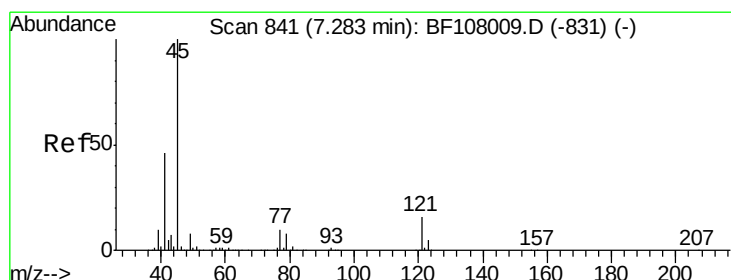
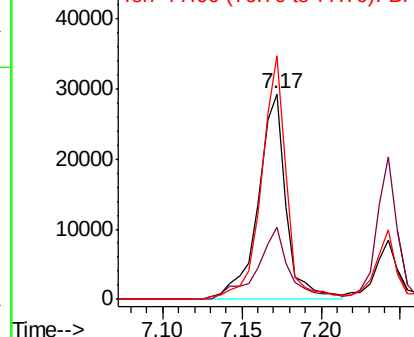
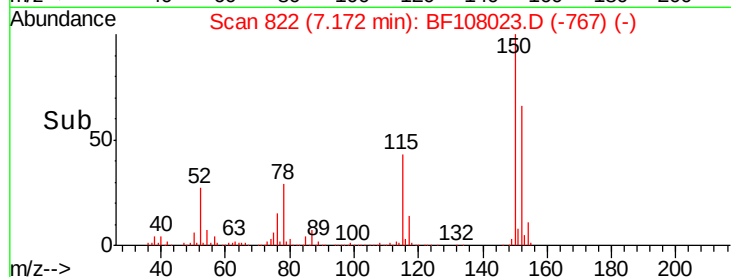
79 100

108 35.1 65.1 97.7#

77 118.6 50.6 75.8#



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 1.197 ng

RT: 7.28 min Scan# 840

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

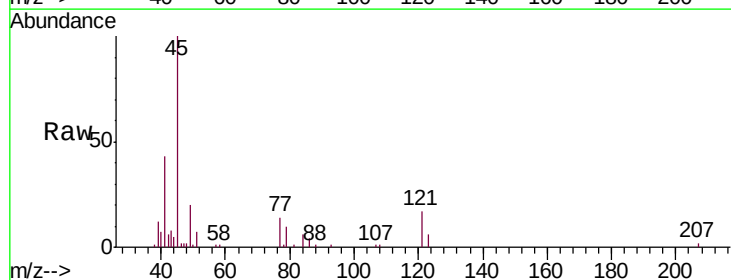
Tgt Ion: 45 Resp: 38979

Ion Ratio Lower Upper

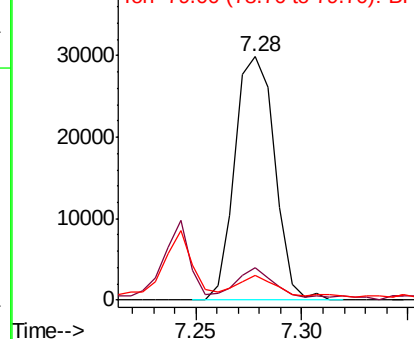
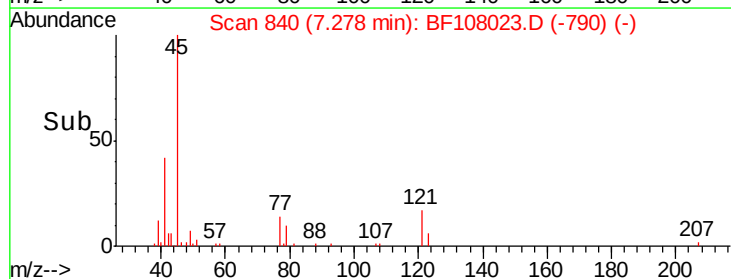
45 100

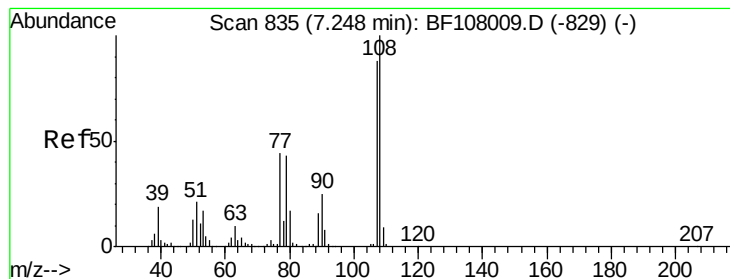
77 13.5 0.0 32.9

79 10.2 0.0 29.6



Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1





#17

2-Methylphenol

Concen: 1.259 ng

RT: 7.24 min Scan# 834

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tgt Ion:107 Resp: 17294

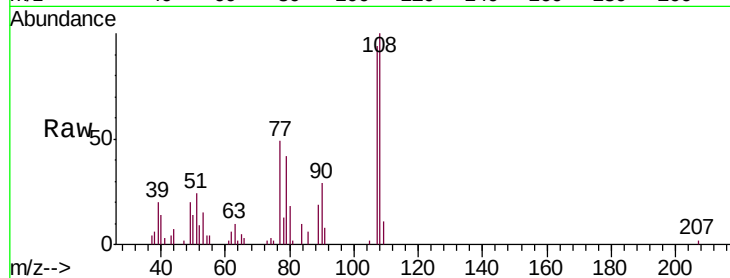
Ion Ratio Lower Upper

107 100

108 106.7 91.7 137.5

77 51.9 33.8 50.8#

79 44.7 33.8 50.8



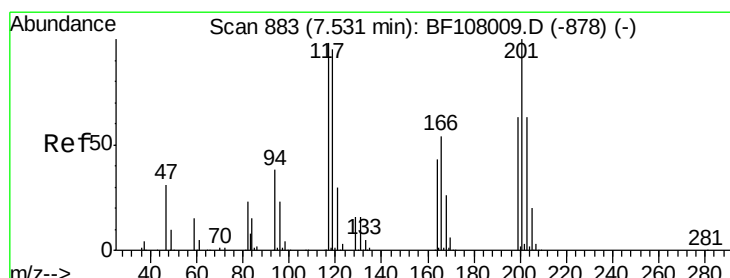
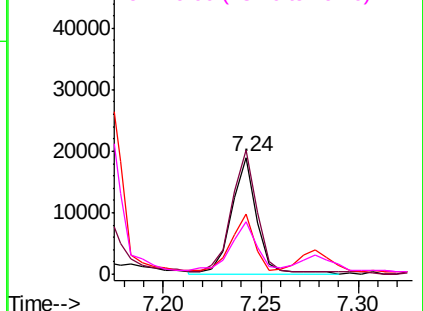
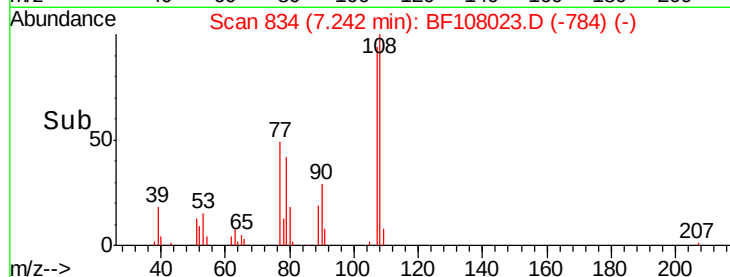
Abundance

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: 1.172 ng

RT: 7.53 min Scan# 883

Delta R.T. 0.00 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

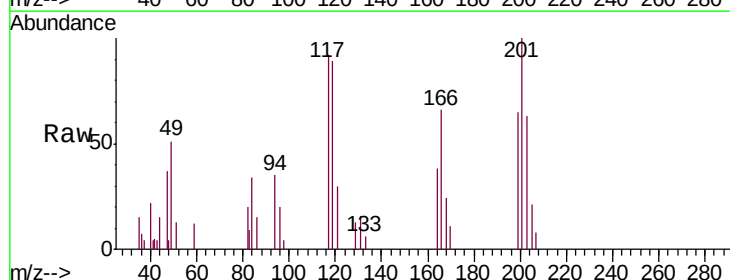
Tgt Ion:117 Resp: 7766

Ion Ratio Lower Upper

117 100

119 96.8 75.8 113.8

201 108.4 75.7 113.5

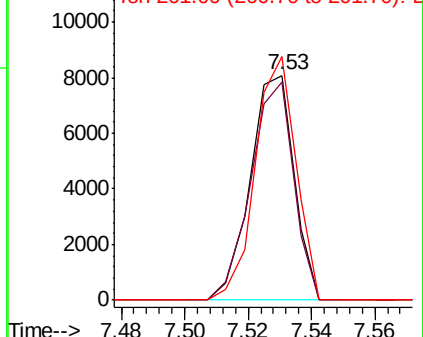
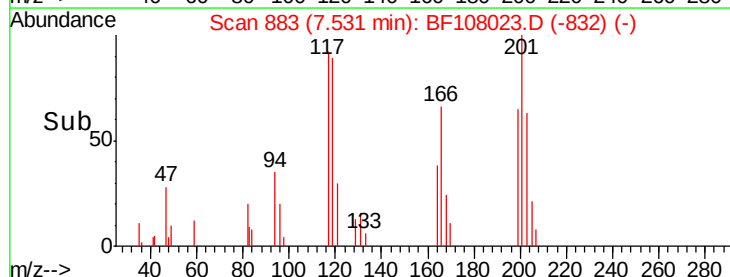


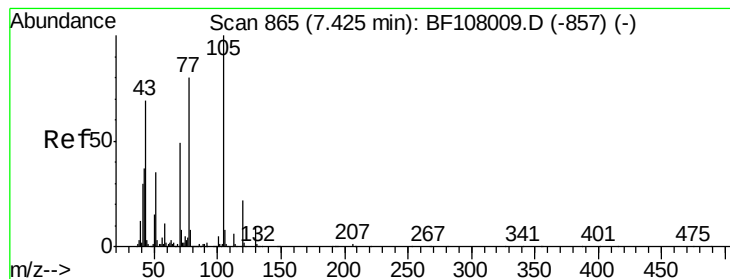
Abundance

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: 1.152 ng

RT: 7.41 min Scan# 862

Delta R.T. -0.02 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tgt Ion: 70 Resp: 14729

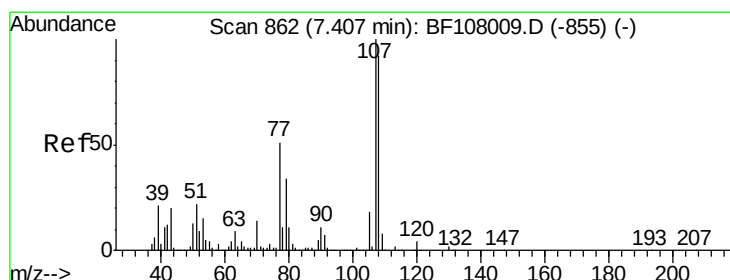
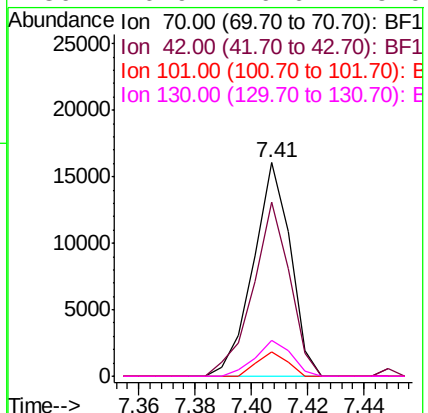
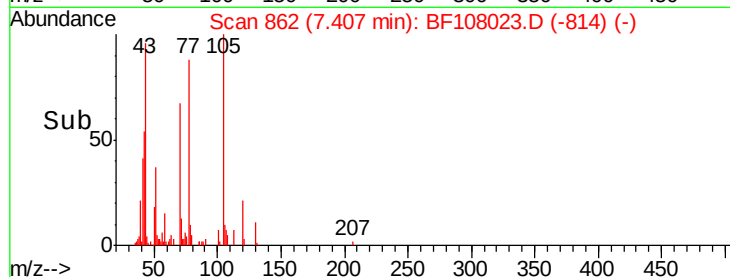
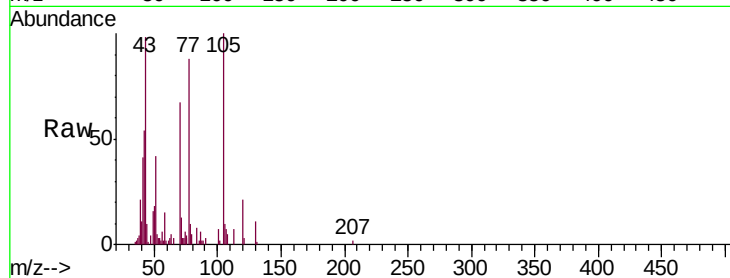
Ion Ratio Lower Upper

70 100

42 81.5 47.5 71.3#

101 11.2 7.4 11.2

130 16.9 16.6 25.0



#20

3+4-Methylphenols

Concen: 1.181 ng

RT: 7.40 min Scan# 860

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Tgt Ion: 107 Resp: 20787

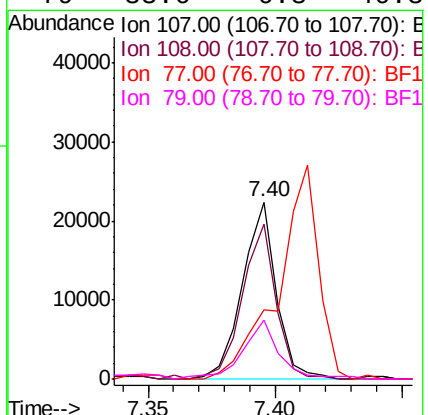
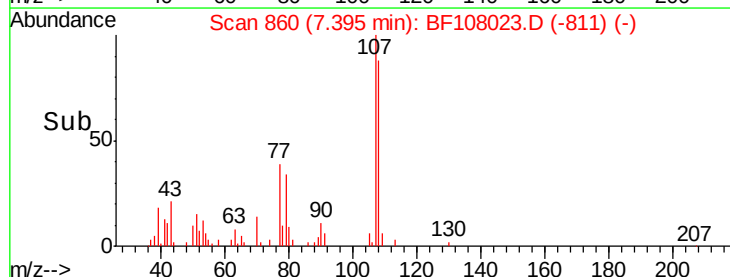
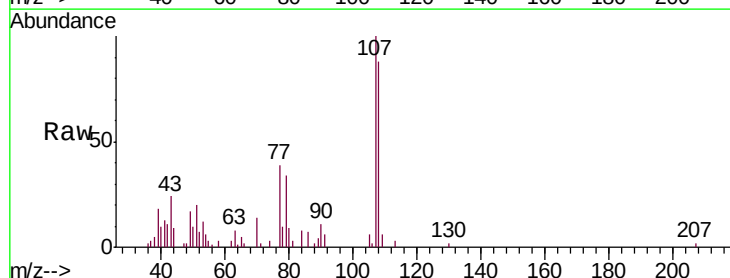
Ion Ratio Lower Upper

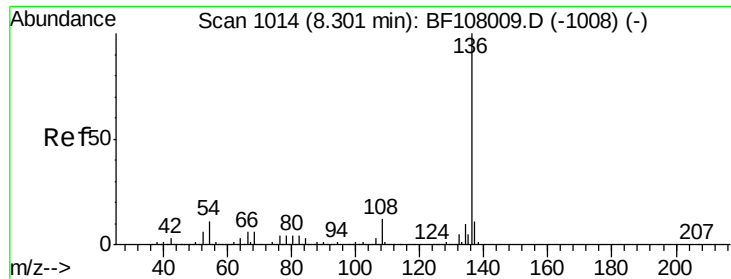
107 100

108 87.8 68.2 108.2

77 39.3 26.7 66.7

79 33.6 6.3 46.3

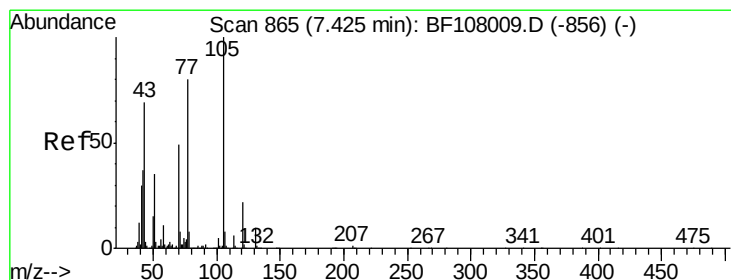
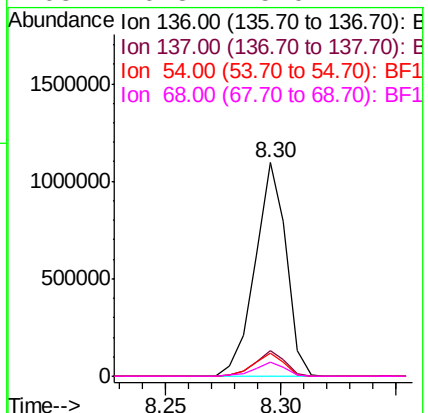
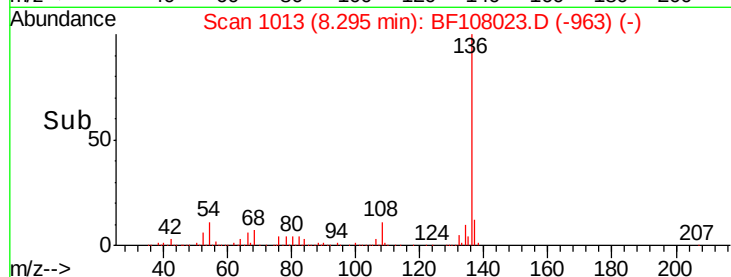
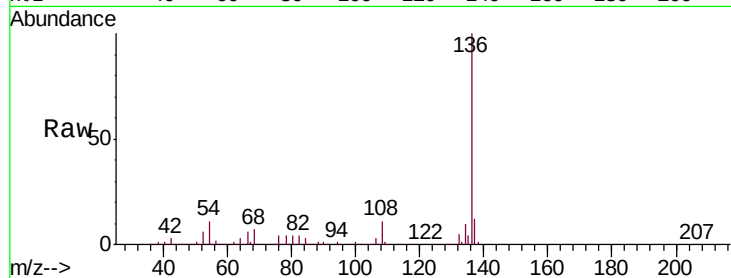




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

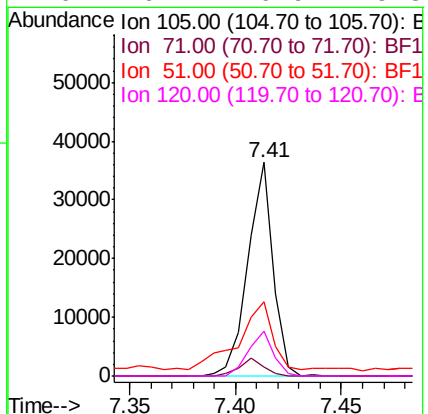
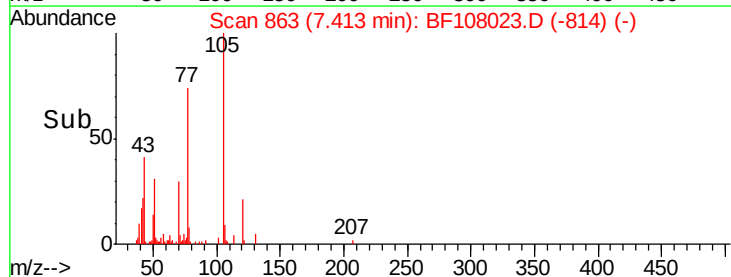
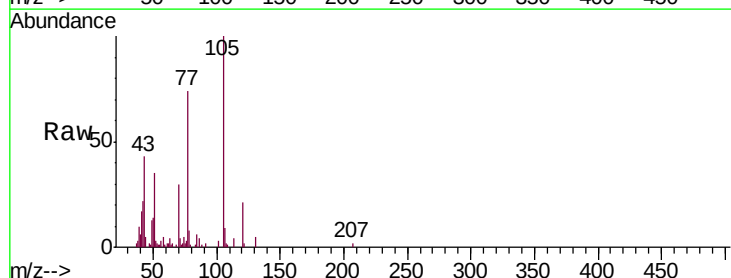
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

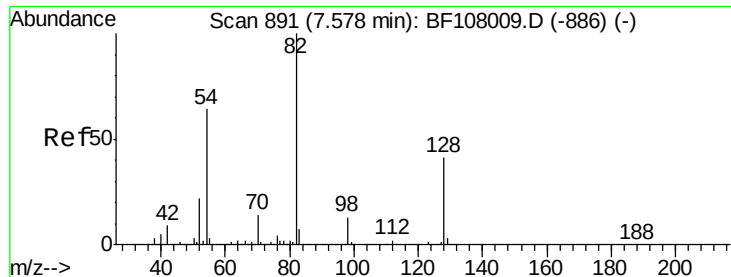
Tgt Ion:	136	Resp:	1027094
Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.9	13.3
54	11.0	6.6	9.8#
68	6.8	5.0	7.4



#22
Acetophenone
Concen: 1.256 ng
RT: 7.41 min Scan# 863
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

Tgt Ion:	105	Resp:	30170
Ion	Ratio	Lower	Upper
105	100		
71	4.0	4.4	6.6#
51	34.5	22.3	33.5#
120	20.7	16.9	25.3





#23

Nitrobenzene-d5

Concen: 82.771 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.00 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

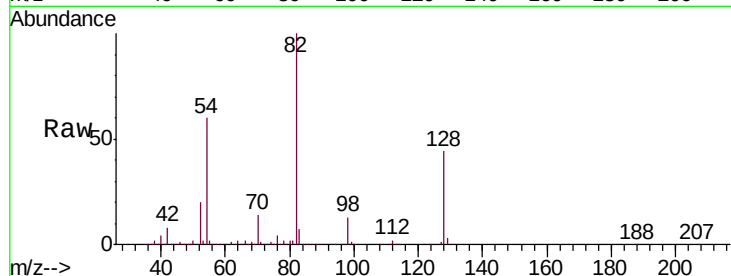
Tgt Ion: 82 Resp: 1523509

Ion Ratio Lower Upper

82 100

128 43.9 36.1 54.1

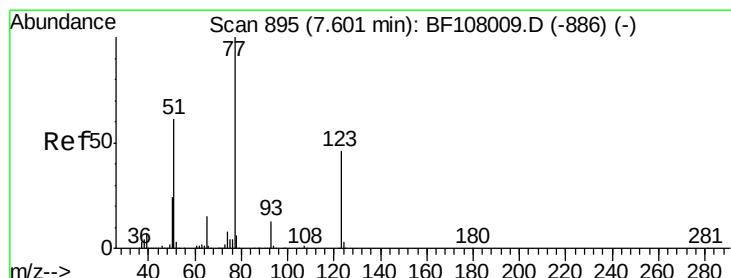
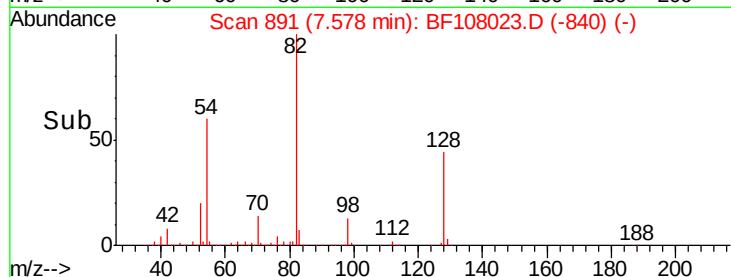
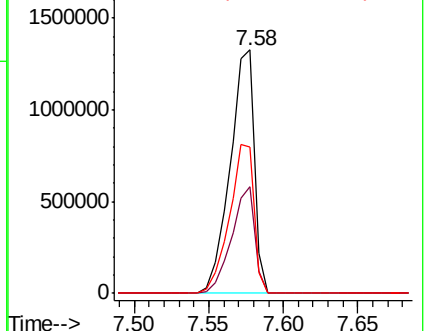
54 60.0 41.4 62.2



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: 1.406 ng

RT: 7.59 min Scan# 893

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

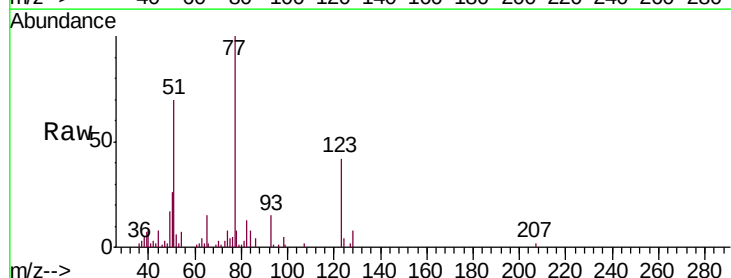
Tgt Ion: 77 Resp: 26172

Ion Ratio Lower Upper

77 100

123 41.9 37.9 56.9

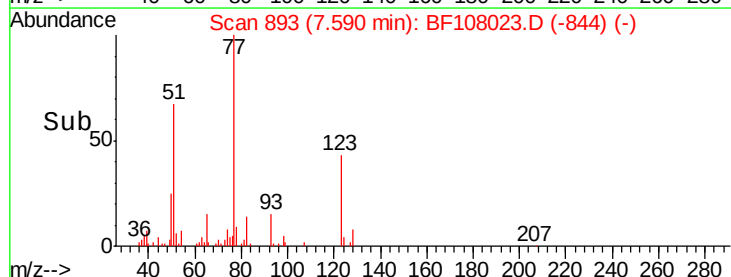
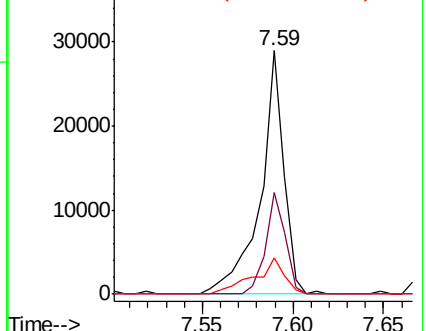
65 14.8 11.0 16.4

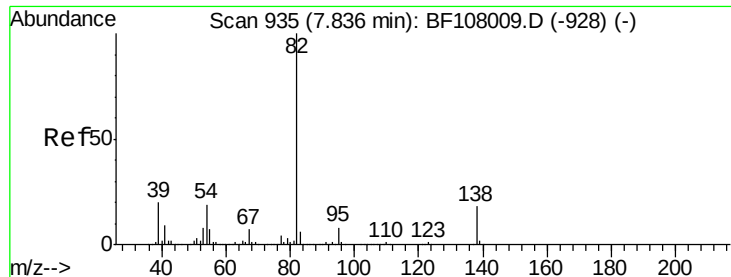


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 43.406 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

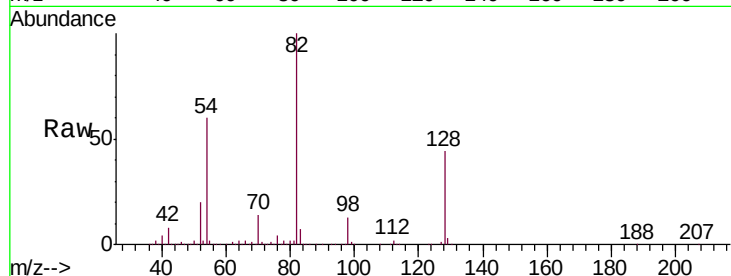
Tgt Ion: 82 Resp: 1522817

Ion Ratio Lower Upper

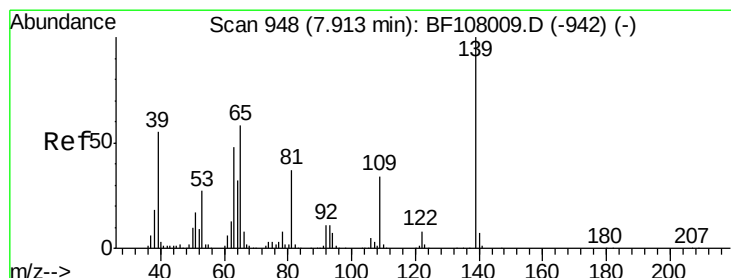
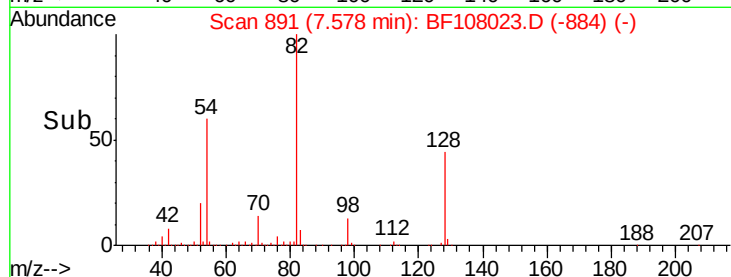
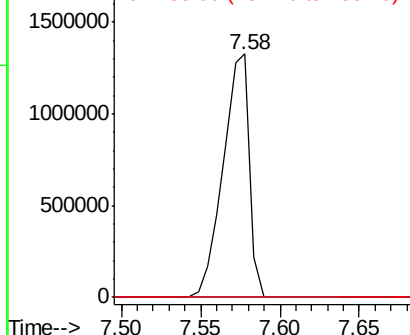
82 100

95 0.0 5.2 7.8#

138 0.0 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: 0.794 ng

RT: 7.91 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

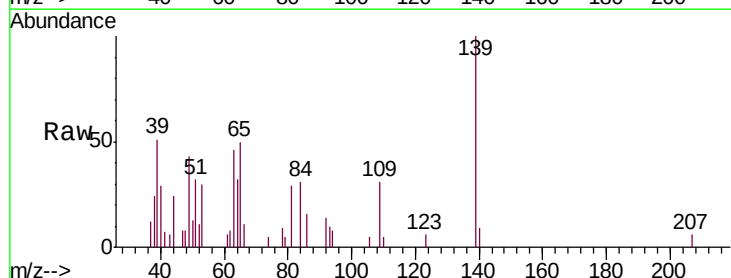
Tgt Ion: 139 Resp: 5580

Ion Ratio Lower Upper

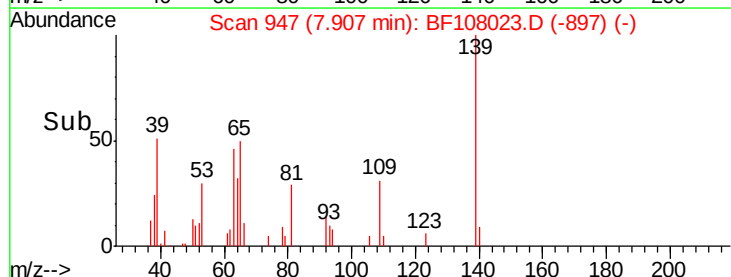
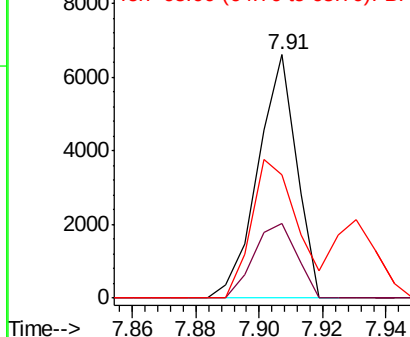
139 100

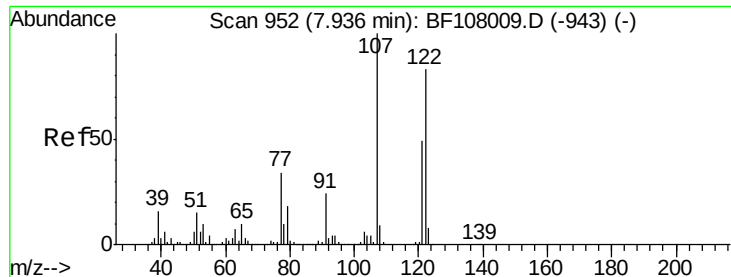
109 30.8 22.7 34.1

65 50.4 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: 1.138 ng

RT: 7.93 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

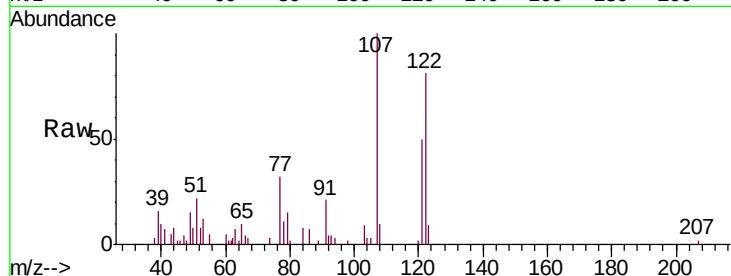
Tgt Ion:122 Resp: 17718

Ion Ratio Lower Upper

122 100

107 123.6 91.2 136.8

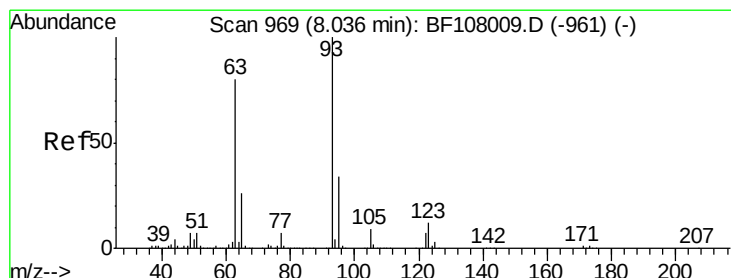
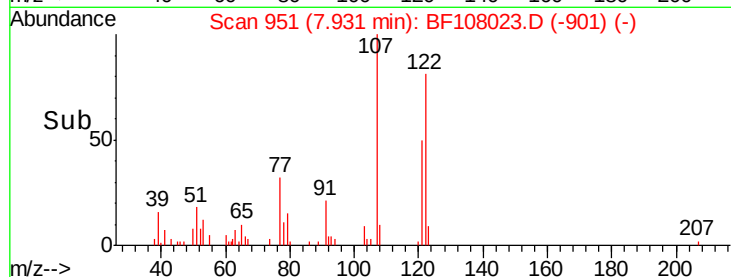
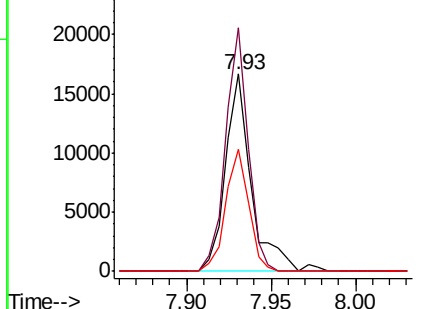
121 61.8 47.2 70.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 1.159 ng

RT: 8.03 min Scan# 968

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

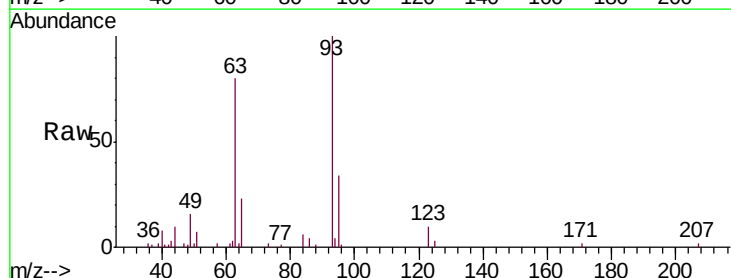
Tgt Ion: 93 Resp: 23737

Ion Ratio Lower Upper

93 100

95 33.8 26.3 39.5

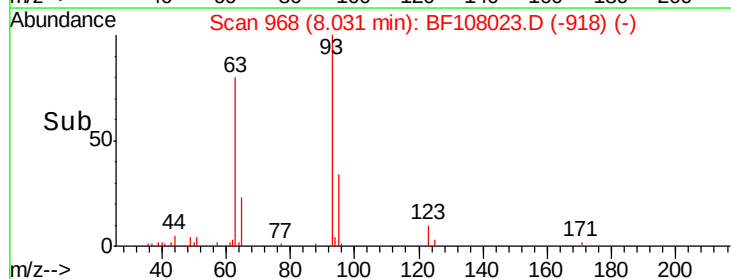
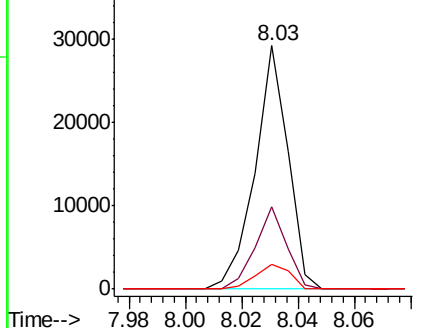
123 10.1 9.8 14.6

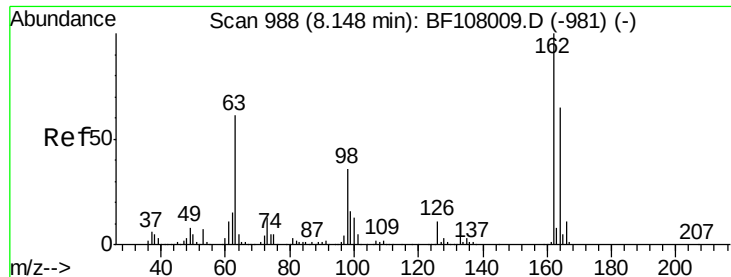


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

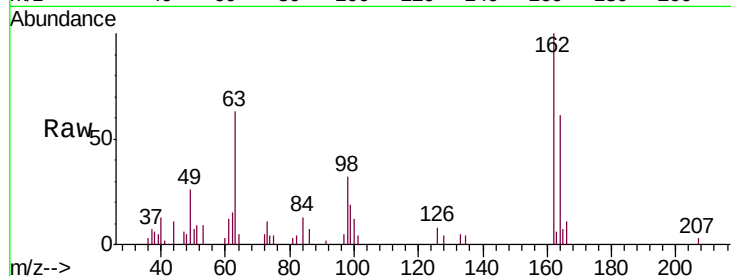




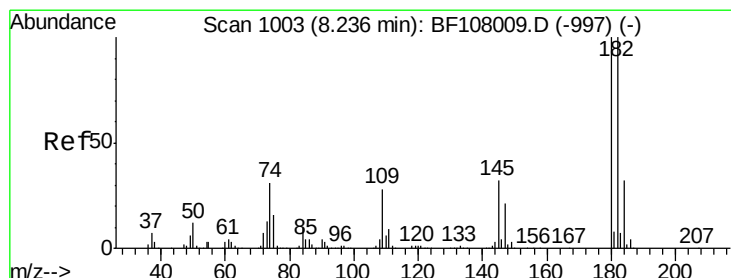
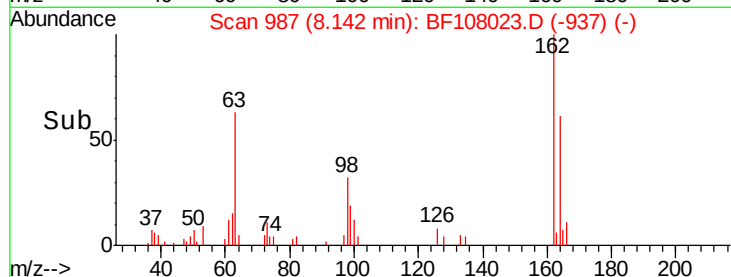
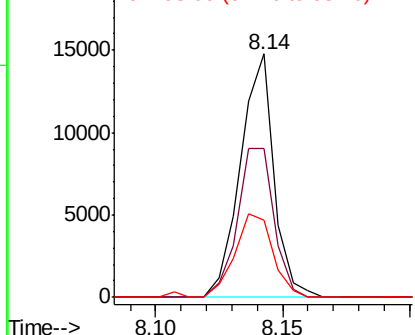
#29
 2,4-Dichlorophenol
 Concen: 0.947 ng
 RT: 8.14 min Scan# 987
 Delta R.T. -0.01 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

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

Tgt Ion:	162	Resp:	13577
Ion	Ratio	Lower	Upper
162	100		
164	61.1	42.7	82.7
98	31.6	18.1	58.1

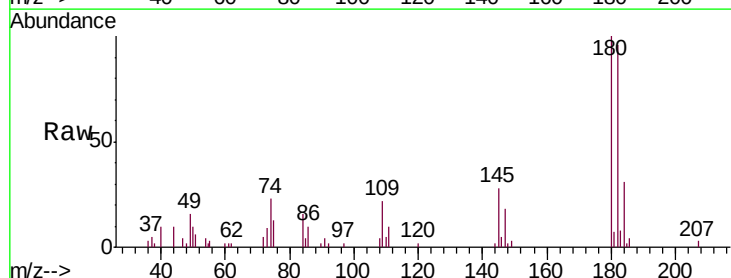


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

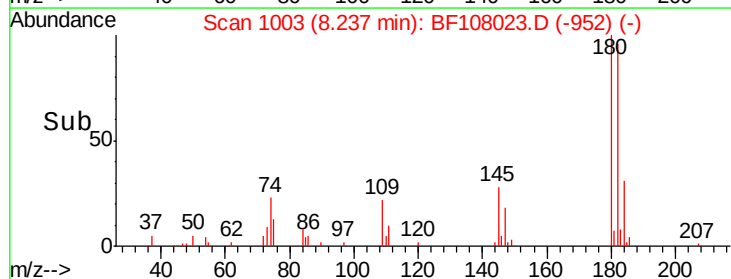
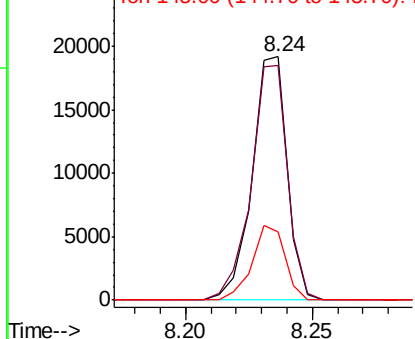


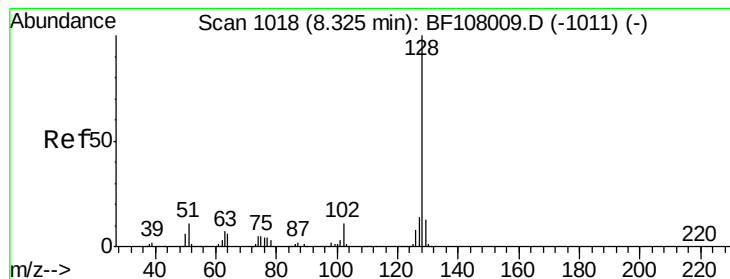
#30
 1,2,4-Trichlorobenzene
 Concen: 1.172 ng
 RT: 8.24 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

Tgt Ion:	180	Resp:	18512
Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.8	115.2
145	28.1	26.5	39.7



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





#31

Naphthalene

Concen: 1.264 ng

RT: 8.32 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

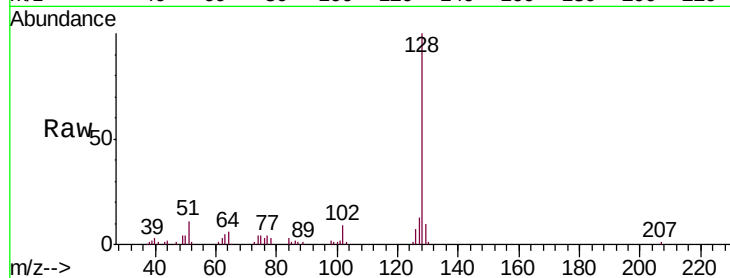
Tgt Ion:128 Resp: 59061

Ion Ratio Lower Upper

128 100

129 9.5 8.8 13.2

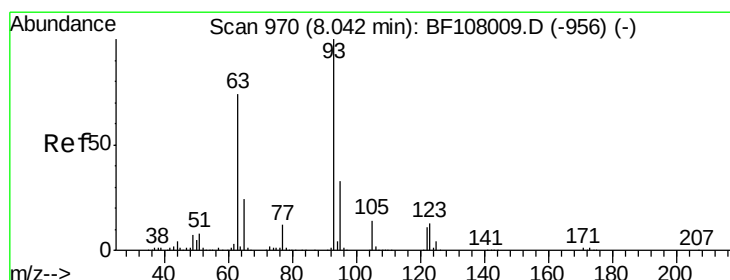
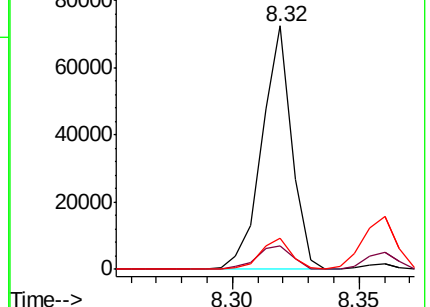
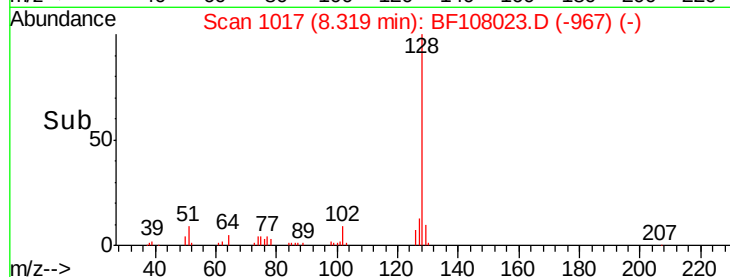
127 12.6 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 7.691 ng

RT: 7.93 min Scan# 951

Delta R.T. -0.11 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

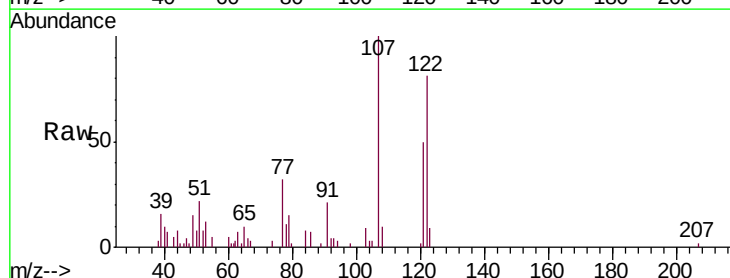
Tgt Ion:122 Resp: 17718

Ion Ratio Lower Upper

122 100

105 3.8 101.1 141.1#

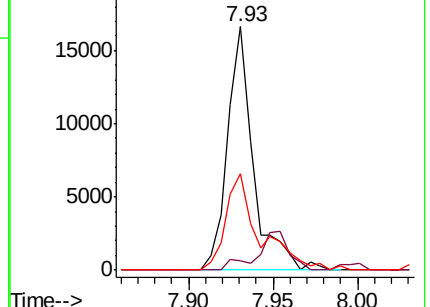
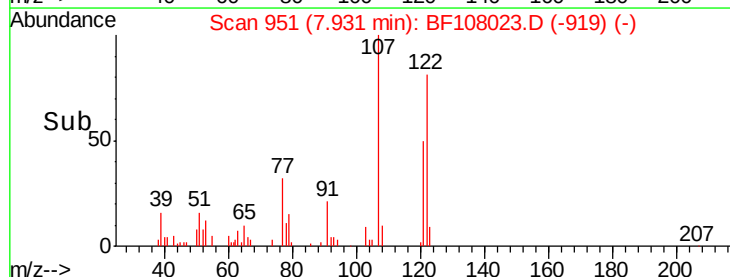
77 39.5 70.7 110.7#

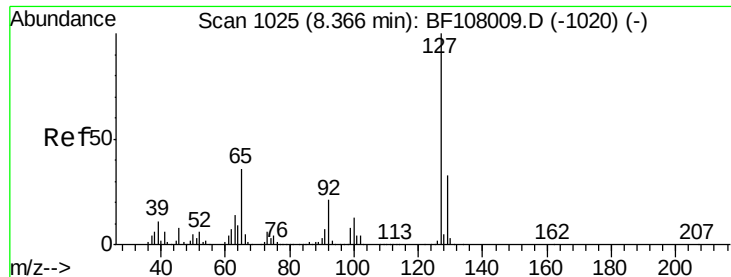


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

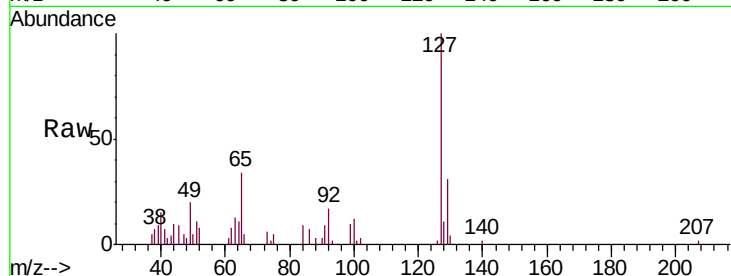




#33
4-Chloroaniline
Concen: 0.700 ng
RT: 8.36 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

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

Tgt Ion:	127	Resp:	14240
Ion	Ratio	Lower	Upper
127	100		
129	31.5	25.9	38.9
65	33.5	25.0	37.4
92	17.5	15.2	22.8



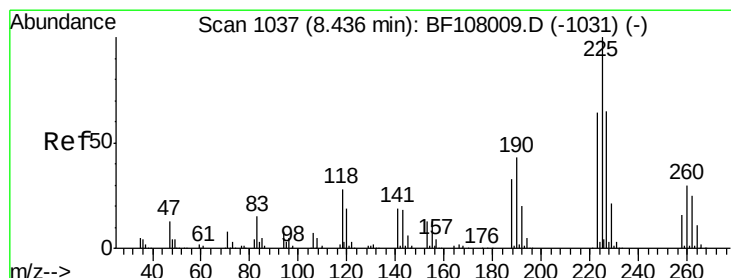
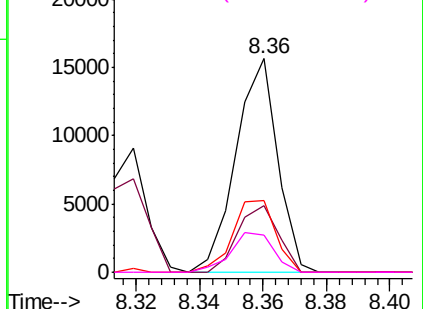
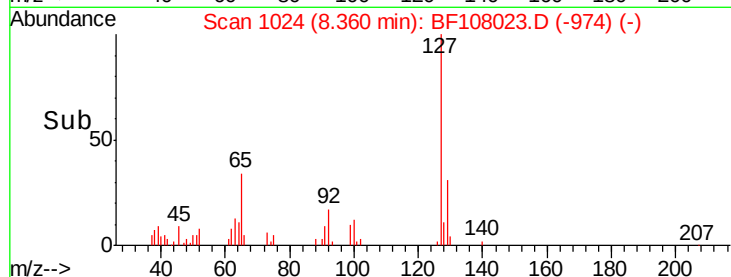
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

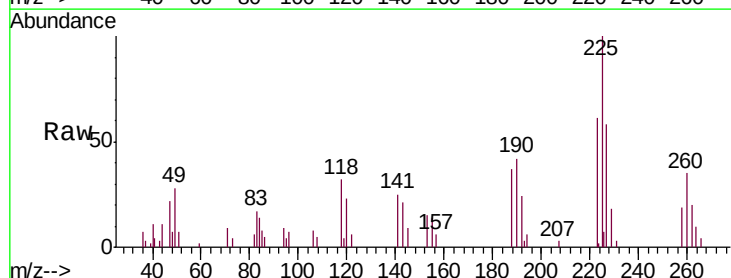
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34
Hexachlorobutadiene
Concen: 1.150 ng
RT: 8.43 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

Tgt Ion:	225	Resp:	11501
Ion	Ratio	Lower	Upper
225	100		
223	60.9	50.6	76.0
227	57.9	51.9	77.9

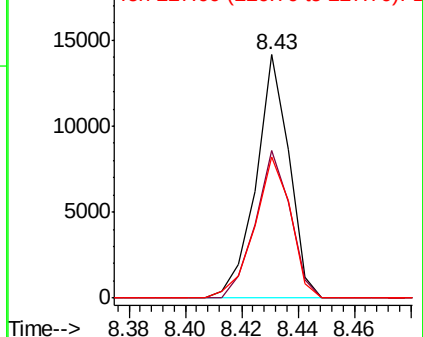
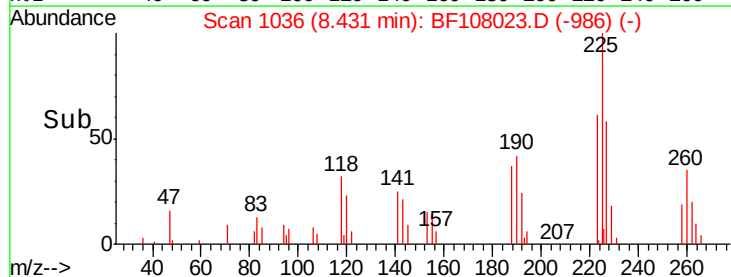


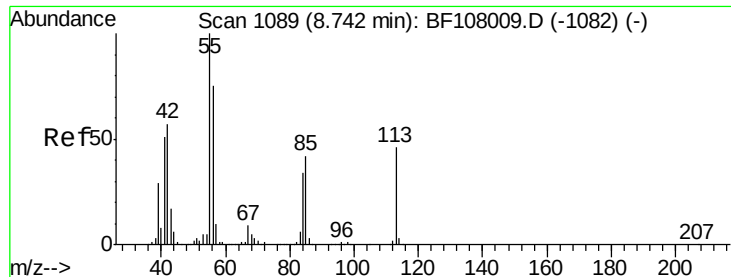
Abundance

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

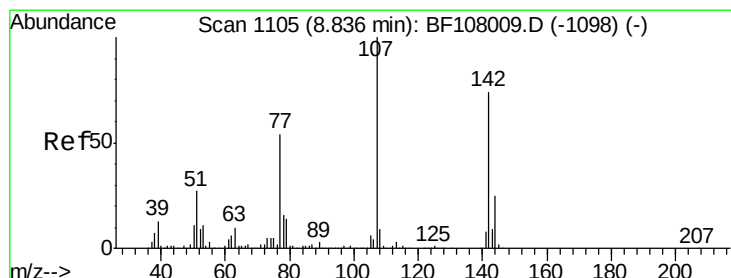
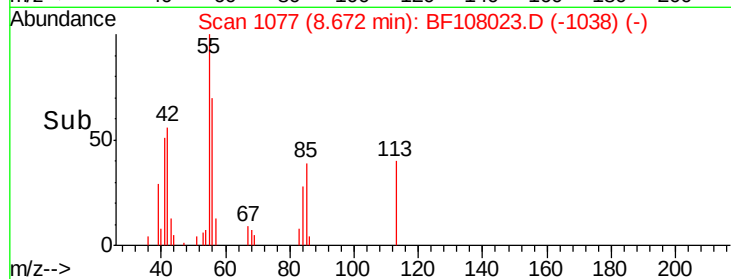
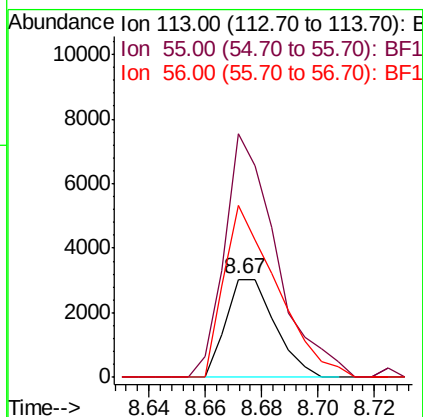
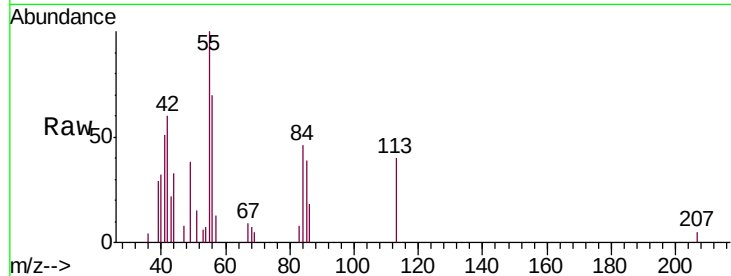




#35
 Caprolactam
 Concen: 0.819 ng
 RT: 8.67 min Scan# 1077
 Delta R.T. -0.07 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

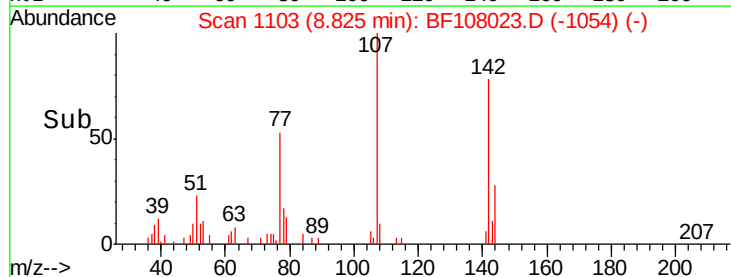
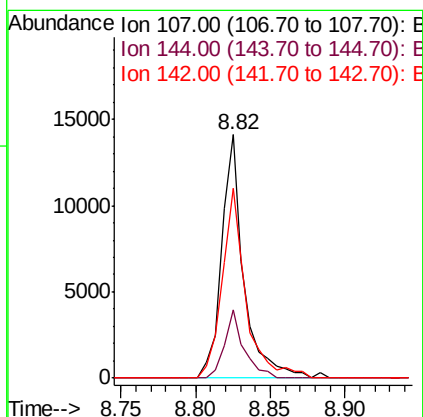
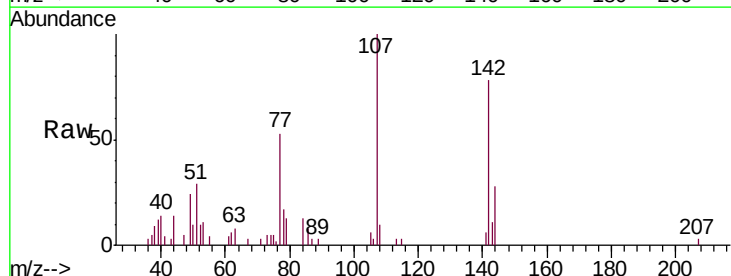
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

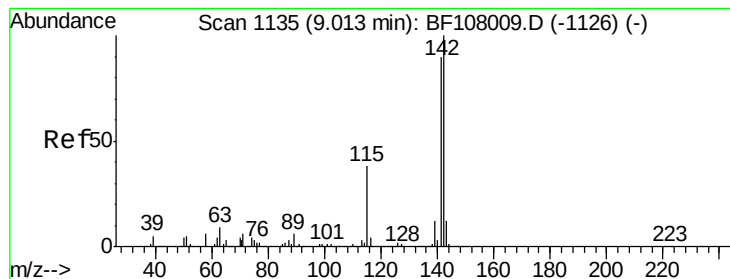
Tgt Ion:113 Resp: 3679
 Ion Ratio Lower Upper
 113 100
 55 248.4 163.3 203.3#
 56 175.0 115.7 155.7#



#36
 4-Chloro-3-methylphenol
 Concen: 0.959 ng
 RT: 8.82 min Scan# 1103
 Delta R.T. -0.01 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

Tgt Ion:107 Resp: 14821
 Ion Ratio Lower Upper
 107 100
 144 27.9 20.5 30.7
 142 78.1 62.0 93.0





#37

2-Methylnaphthalene

Concen: 1.267 ng

RT: 9.01 min Scan# 1134

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

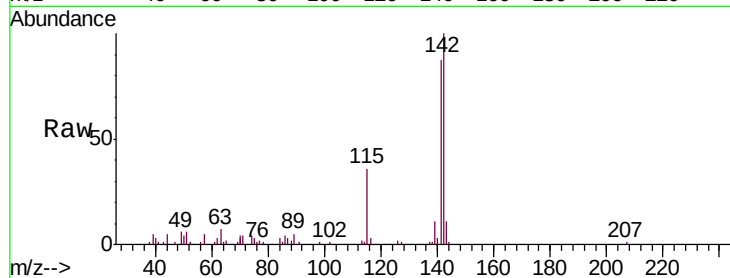
Tgt Ion:142 Resp: 41858

Ion Ratio Lower Upper

142 100

141 86.7 70.8 106.2

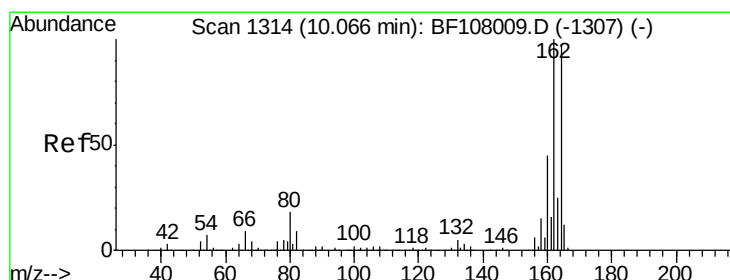
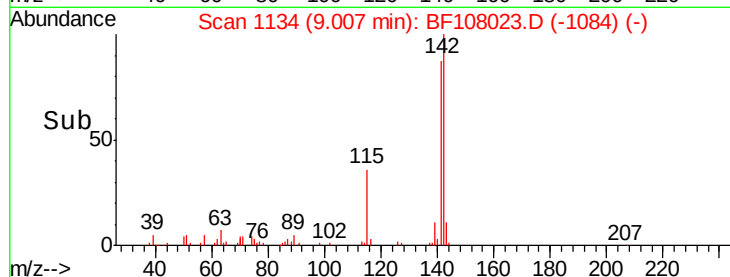
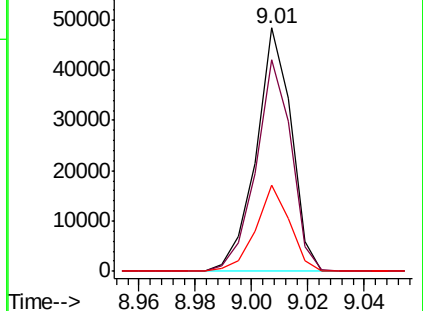
115 35.6 26.1 39.1



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: BF108023.D

Acq: 8 Aug 2018 16:54

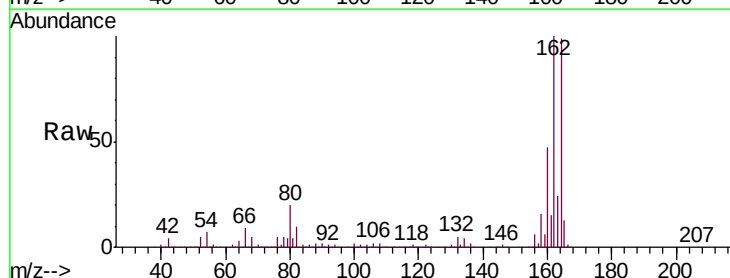
Tgt Ion:164 Resp: 553180

Ion Ratio Lower Upper

164 100

162 101.3 86.1 129.1

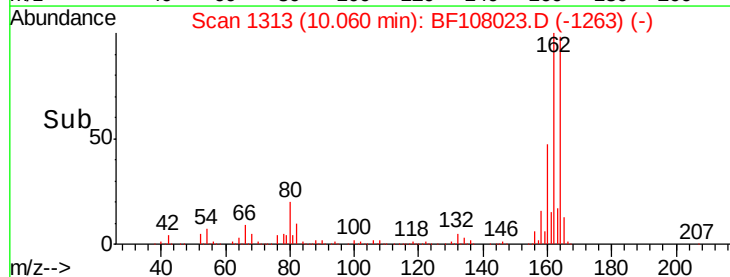
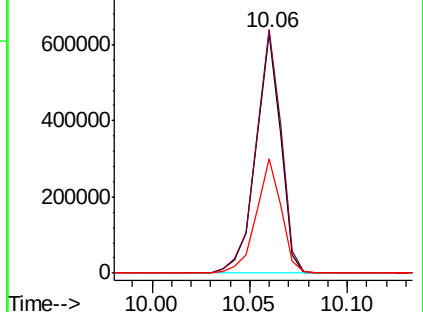
160 47.6 38.3 57.5

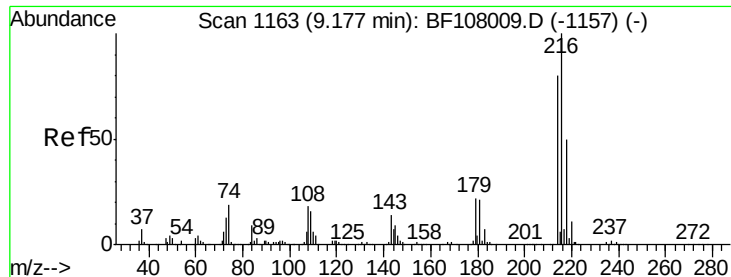


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

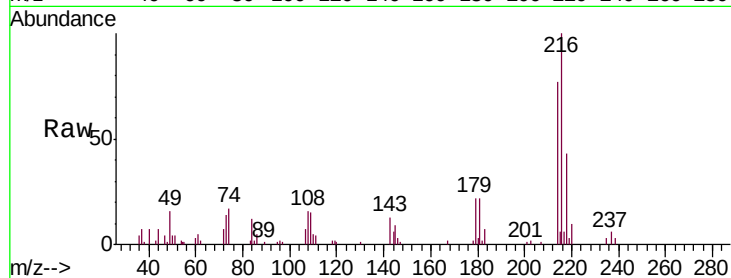




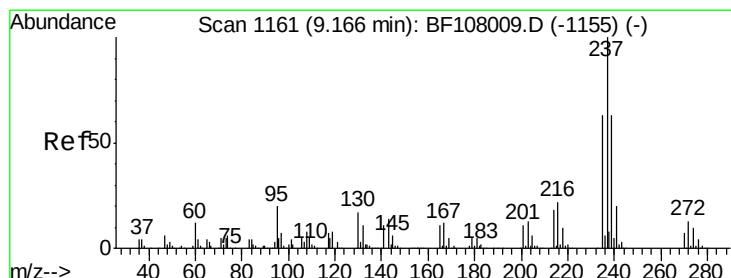
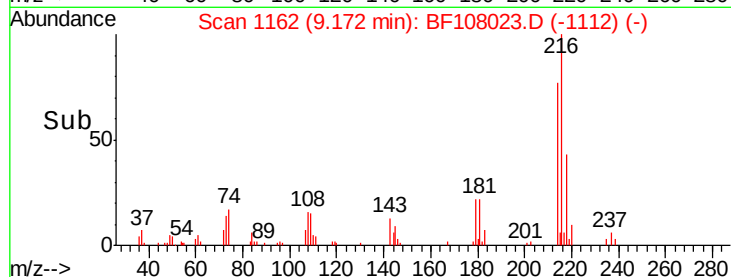
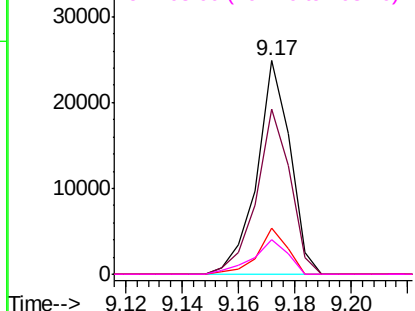
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 1.198 ng
 RT: 9.17 min Scan# 1162
 Delta R.T. -0.01 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

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

Tgt Ion:	216	Resp:	20344
Ion	Ratio	Lower	Upper
216	100		
214	78.2	63.0	94.4
179	19.3	18.1	27.1
108	17.3	17.2	25.8

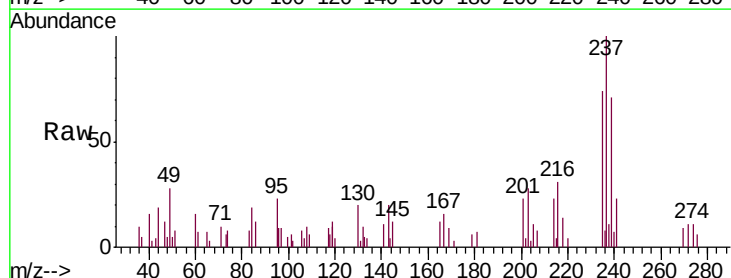


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

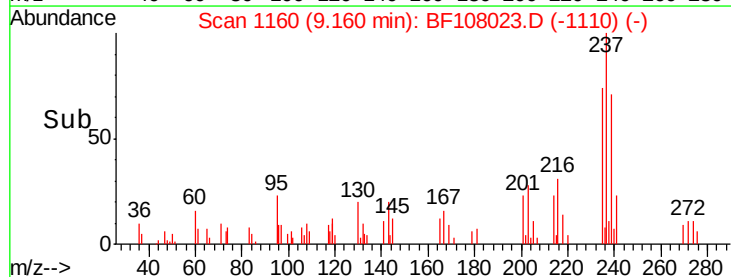
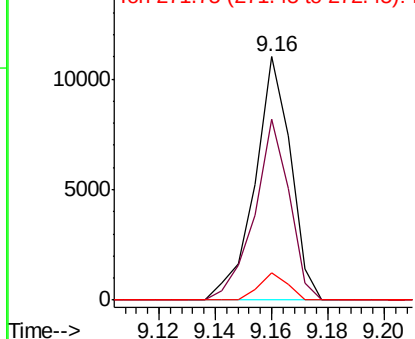


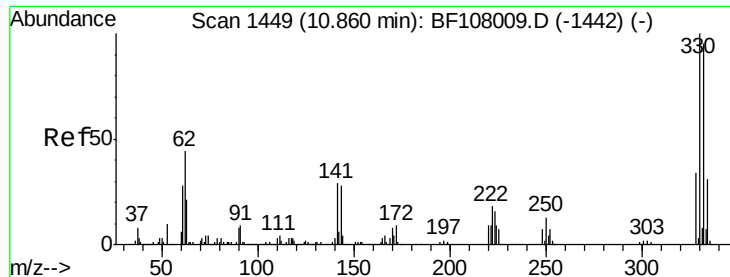
#40
 Hexachlorocyclopentadiene
 Concen: 0.886 ng
 RT: 9.16 min Scan# 1160
 Delta R.T. -0.01 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

Tgt Ion:	237	Resp:	9724
Ion	Ratio	Lower	Upper
237	100		
235	74.2	44.8	84.8
272	11.4	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

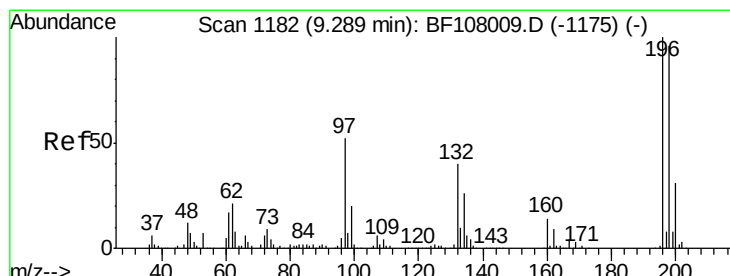
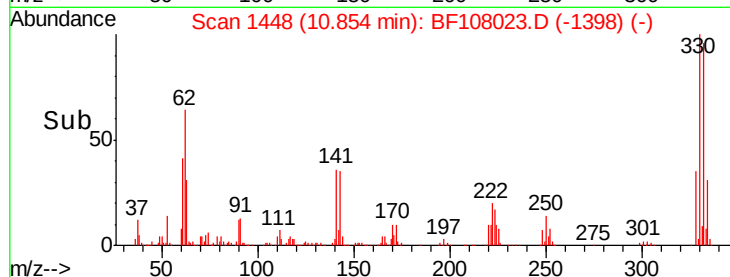
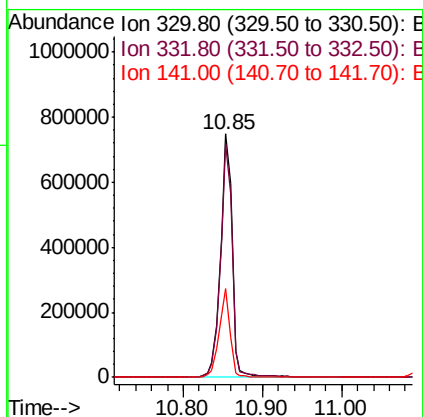
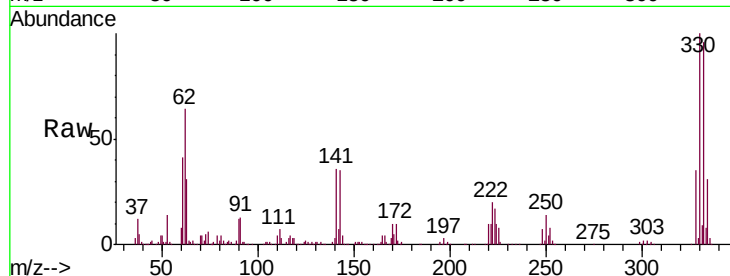




#41
 2,4,6-Tribromophenol
 Concen: 139.135 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

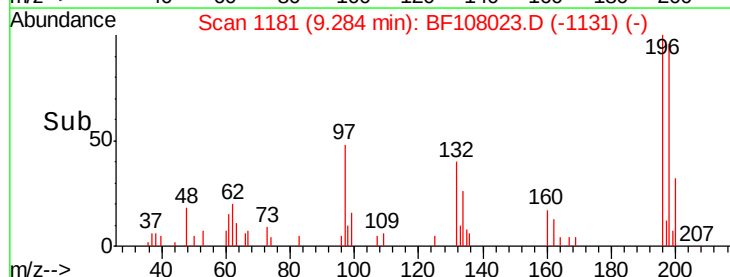
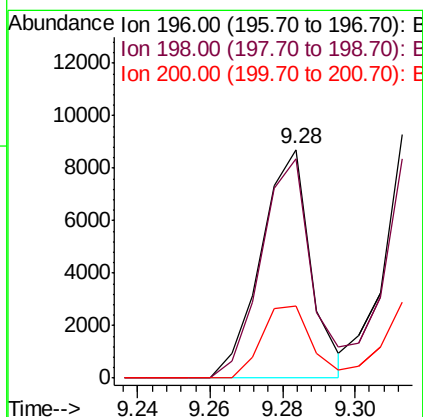
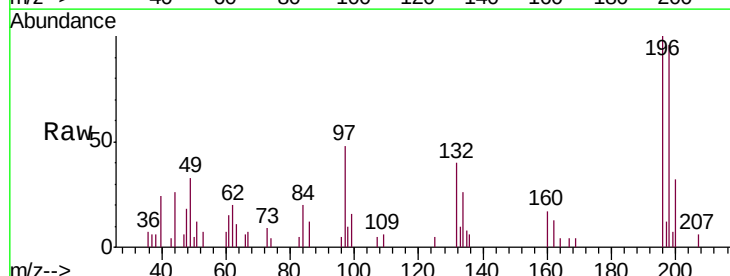
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

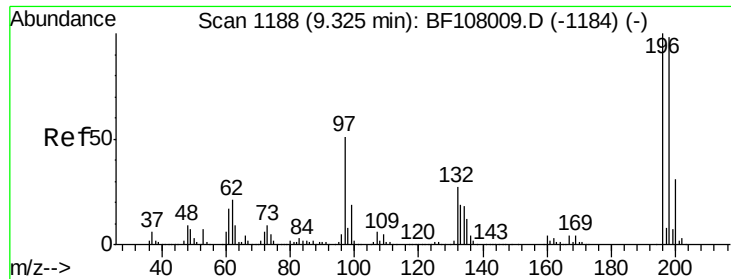
Tgt Ion:330 Resp: 767721
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.0 115.6
 141 34.4 29.9 44.9



#42
 2,4,6-Trichlorophenol
 Concen: 0.791 ng
 RT: 9.28 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

Tgt Ion:196 Resp: 8338
 Ion Ratio Lower Upper
 196 100
 198 95.6 75.7 113.5
 200 31.7 24.5 36.7

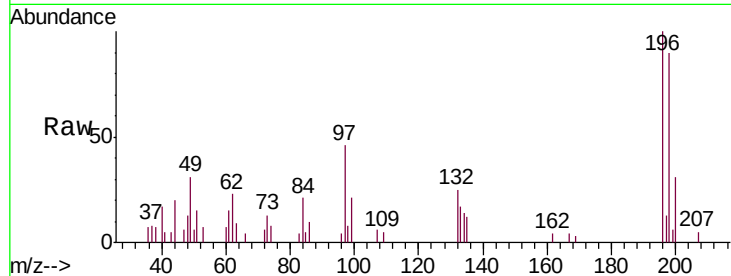




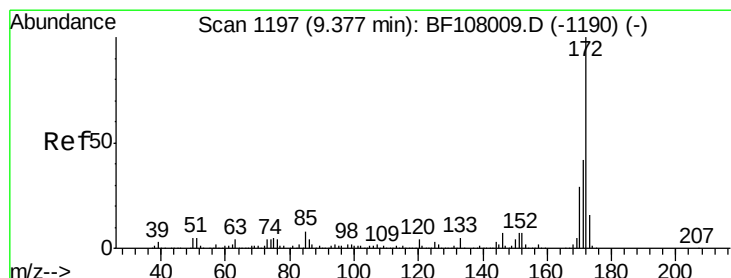
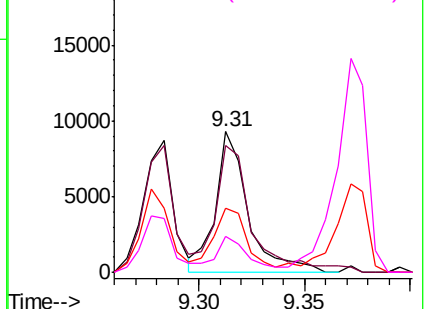
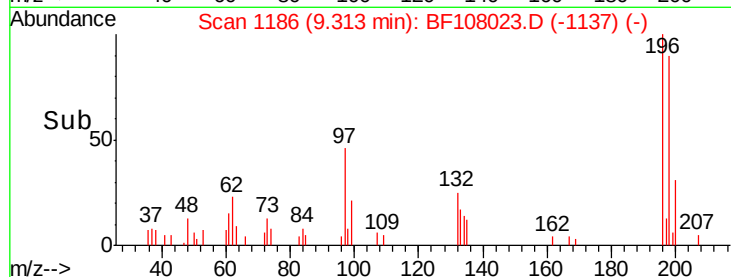
#43
 2,4,5-Trichlorophenol
 Concen: 0.858 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

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

Tgt Ion:196 Resp: 9962
 Ion Ratio Lower Upper
 196 100
 198 89.9 74.6 112.0
 97 45.7 42.9 64.3
 132 25.2 26.3 39.5#

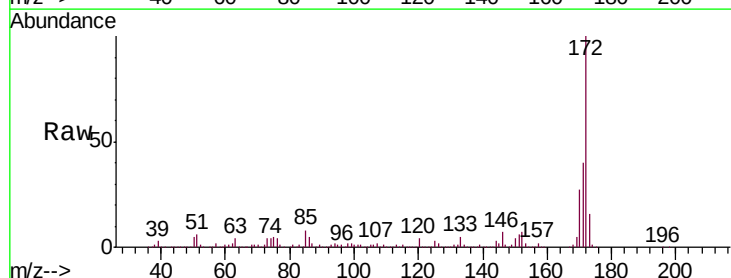


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E

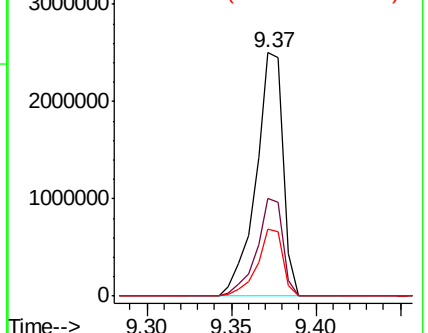
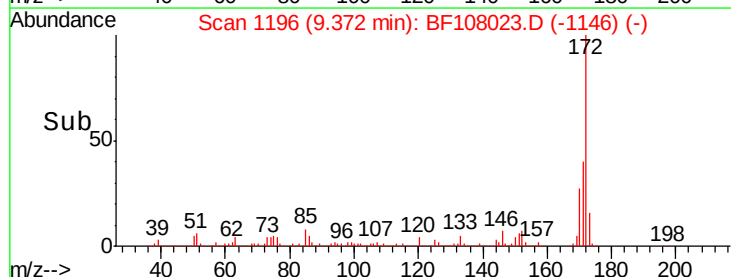


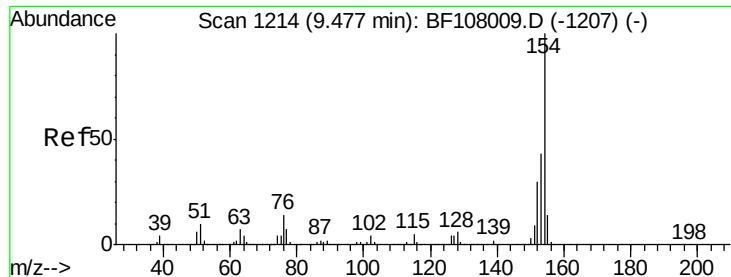
#44
 2-Fluorobiphenyl
 Concen: 80.875 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

Tgt Ion:172 Resp: 2786624
 Ion Ratio Lower Upper
 172 100
 171 40.3 29.7 44.5
 170 27.3 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: 1.345 ng

RT: 9.47 min Scan# 1213

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

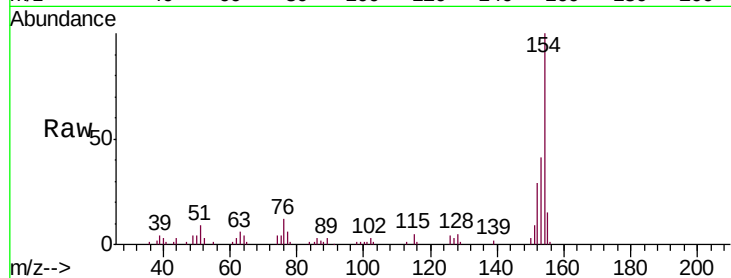
Tgt Ion:154 Resp: 54842

Ion Ratio Lower Upper

154 100

153 40.6 21.3 61.3

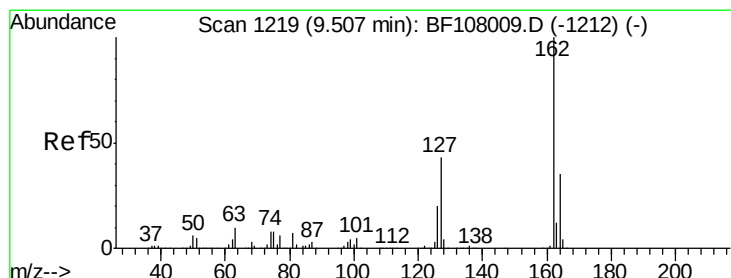
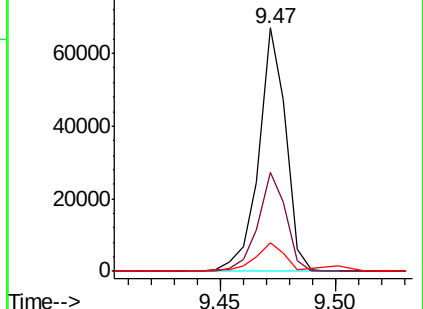
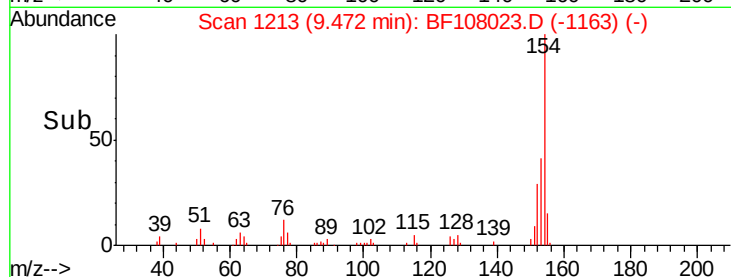
76 11.7 0.0 34.0



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: 1.233 ng

RT: 9.50 min Scan# 1218

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

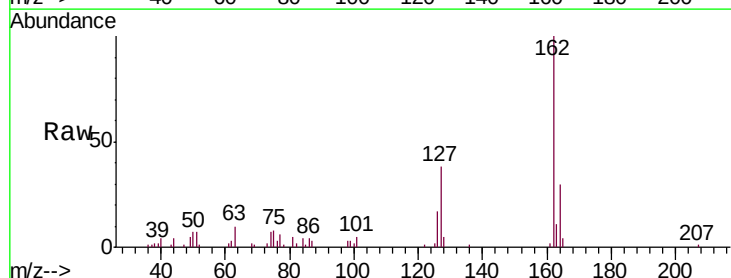
Tgt Ion:162 Resp: 39740

Ion Ratio Lower Upper

162 100

127 37.6 33.9 50.9

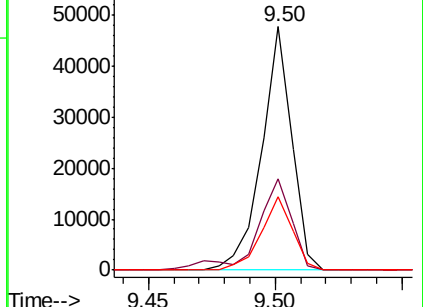
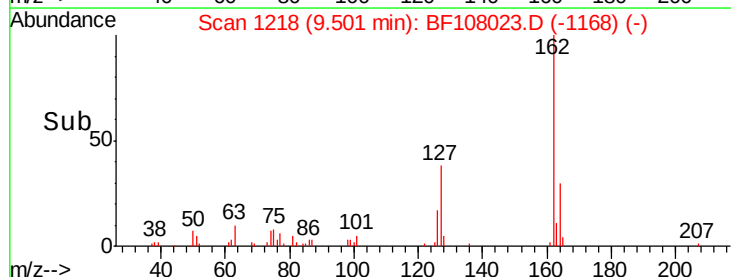
164 30.1 26.5 39.7

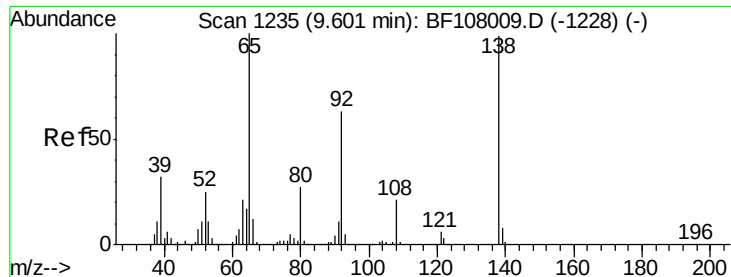


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

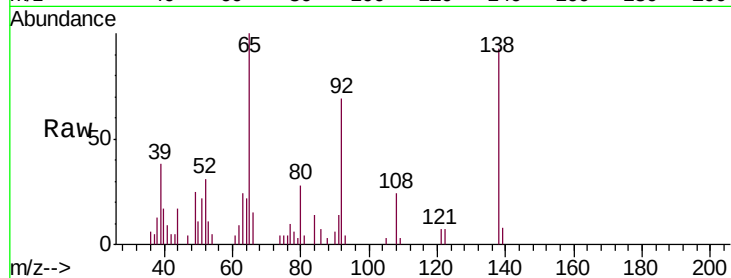




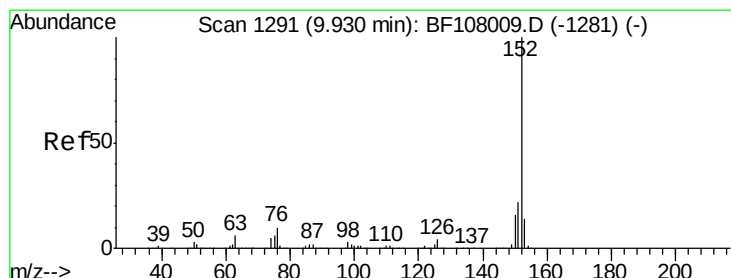
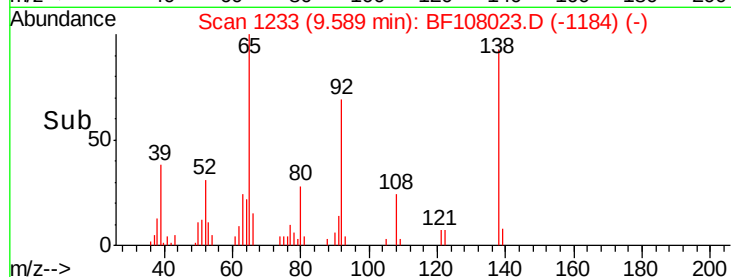
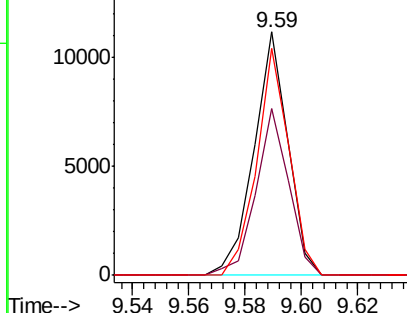
#47
2-Nitroaniline
Concen: 0.894 ng
RT: 9.59 min Scan# 1233
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

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

Tgt Ion: 65 Resp: 9329
Ion Ratio Lower Upper
65 100
92 68.8 55.8 83.6
138 93.4 91.2 136.8

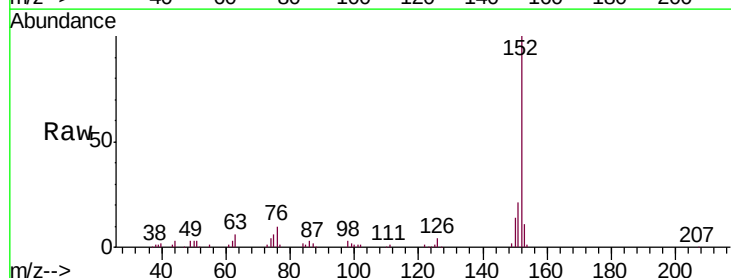


Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

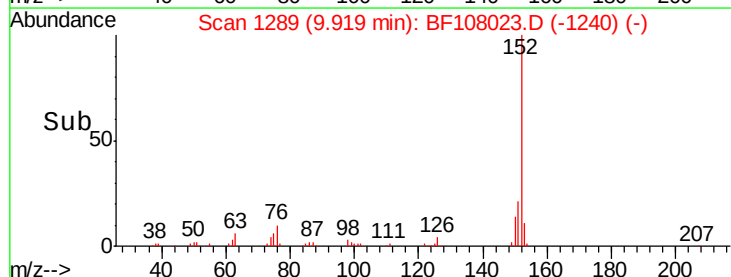
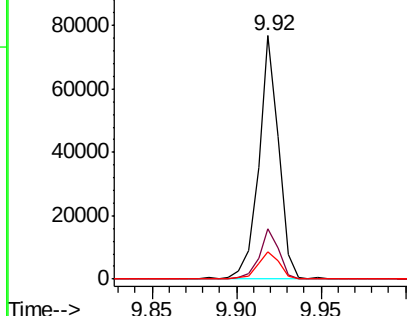


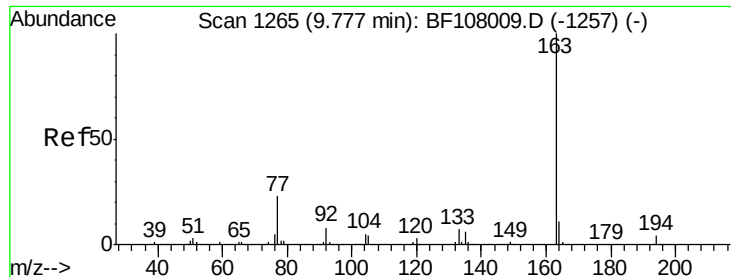
#48
Acenaphthylene
Concen: 1.233 ng
RT: 9.92 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

Tgt Ion: 152 Resp: 62848
Ion Ratio Lower Upper
152 100
151 20.5 16.3 24.5
153 11.1 10.7 16.1



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

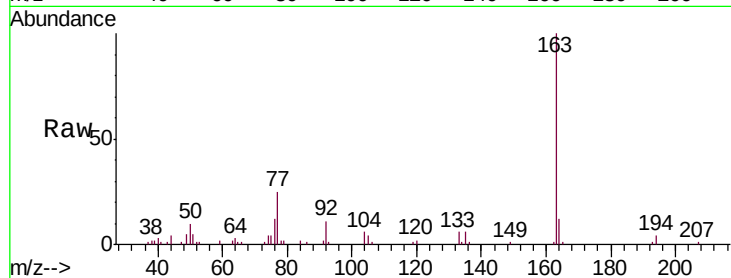




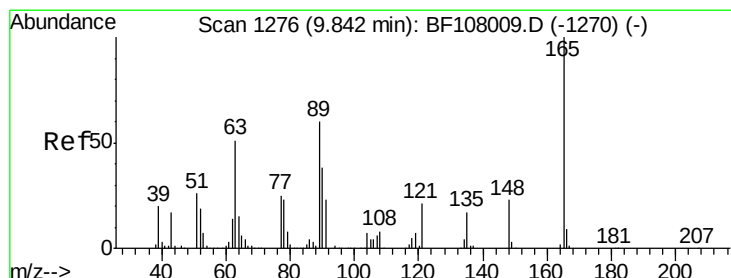
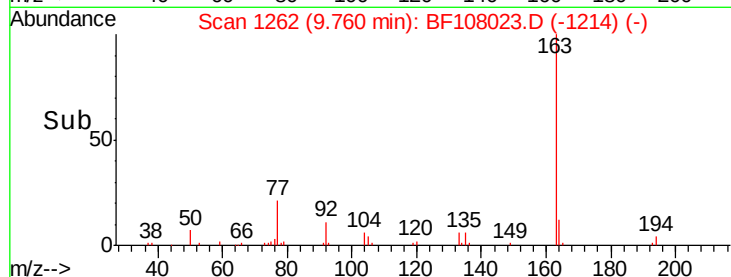
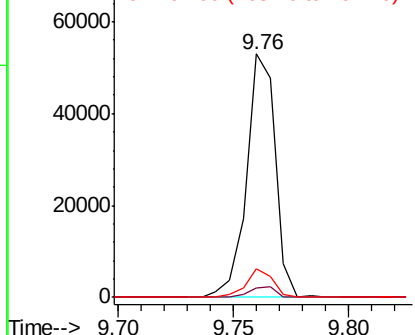
#49
Dimethylphthalate
Concen: 1.195 ng
RT: 9.76 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

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

Tgt Ion:163 Resp: 46045
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 11.7 8.2 12.2

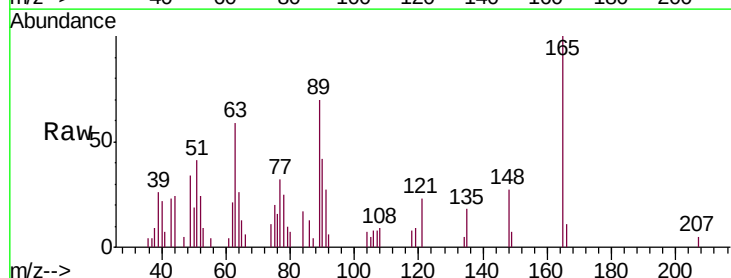


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

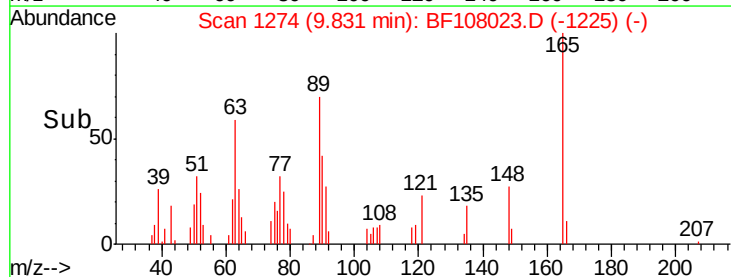
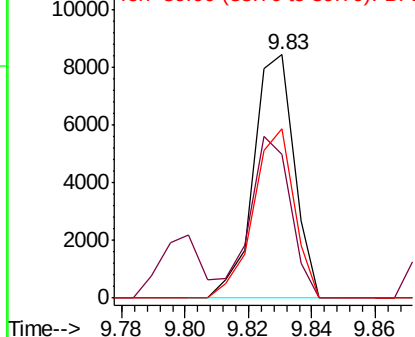


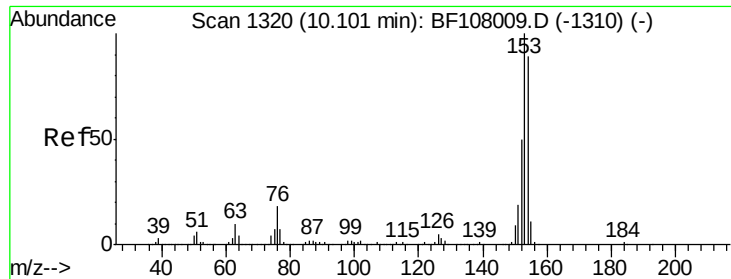
#50
2,6-Dinitrotoluene
Concen: 0.933 ng
RT: 9.83 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

Tgt Ion:165 Resp: 7522
Ion Ratio Lower Upper
165 100
63 59.0 44.7 67.1
89 69.7 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: 1.261 ng

RT: 10.09 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

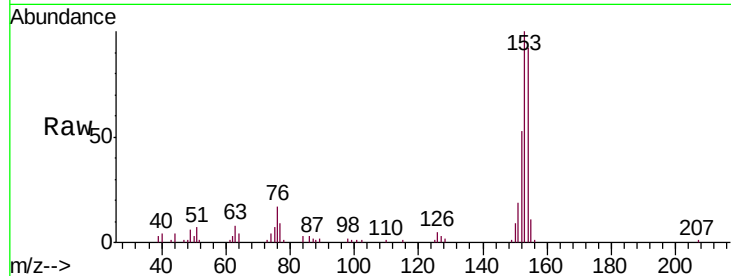
Tgt Ion:154 Resp: 39350

Ion Ratio Lower Upper

154 100

153 108.2 91.2 136.8

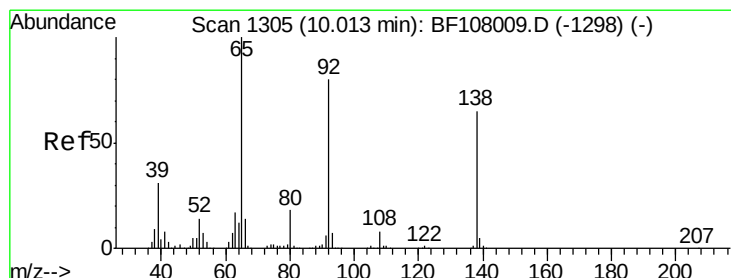
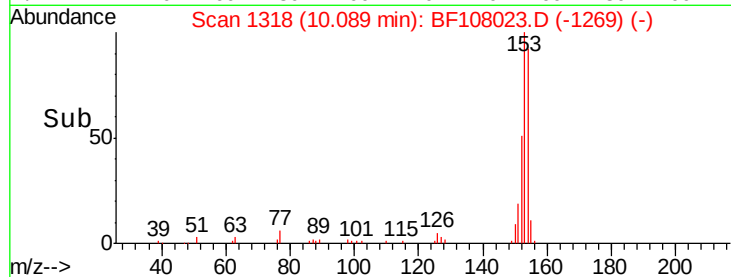
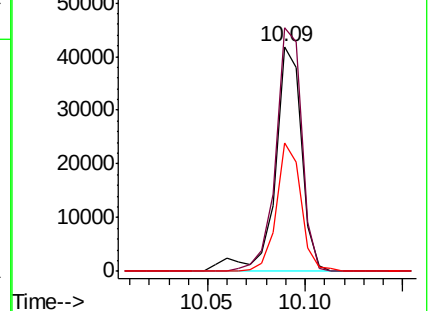
152 57.3 43.8 65.8



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: 0.775 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

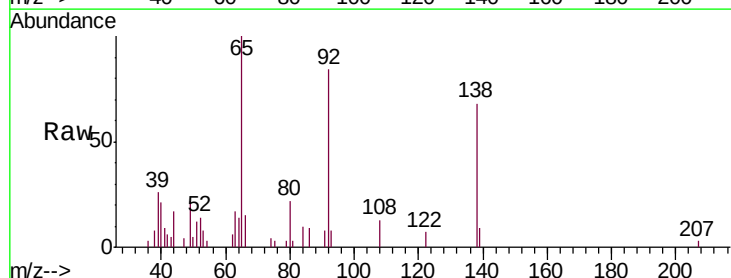
Tgt Ion:138 Resp: 6832

Ion Ratio Lower Upper

138 100

108 19.6 9.4 14.0#

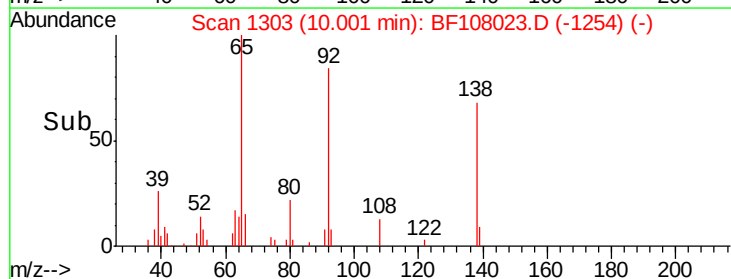
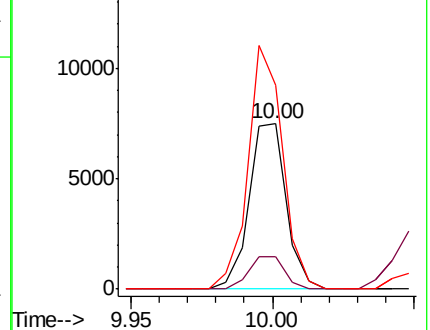
92 122.9 89.4 134.2

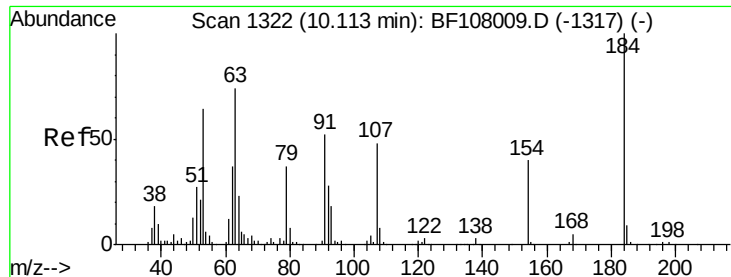


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

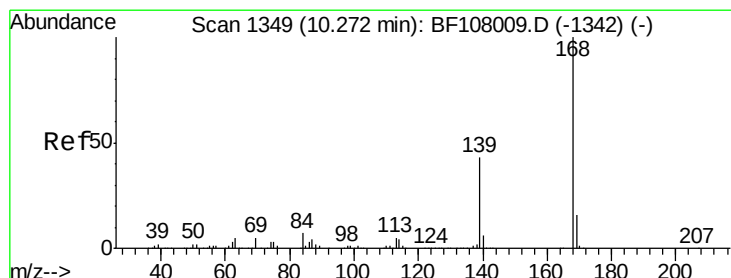
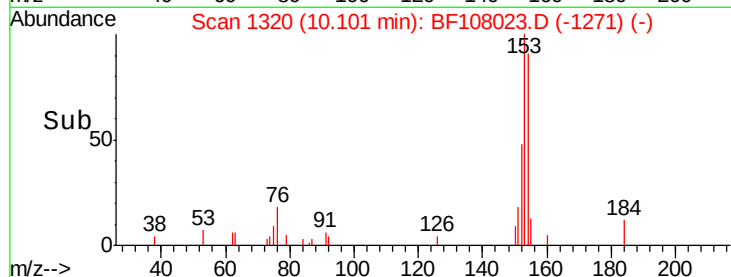
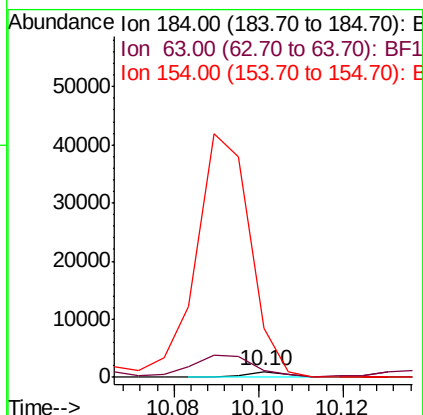
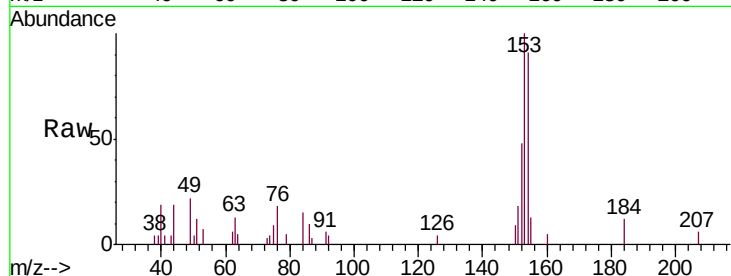




#53
2,4-Dinitrophenol
Concen: 7.224 ng
RT: 10.10 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

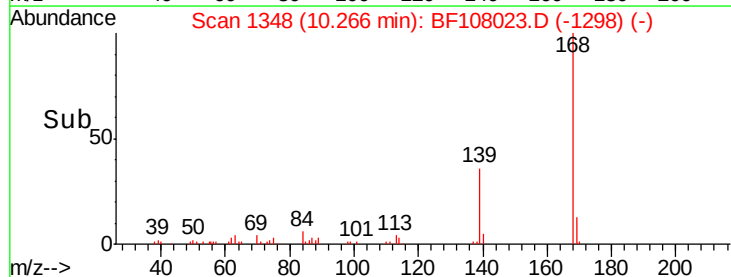
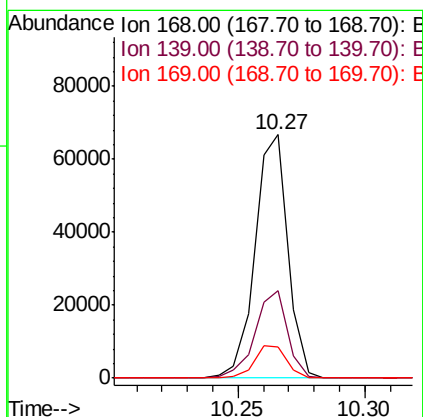
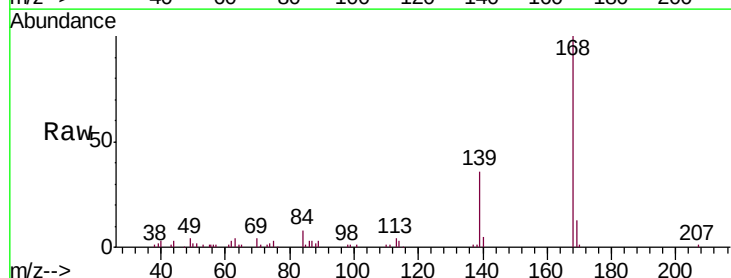
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

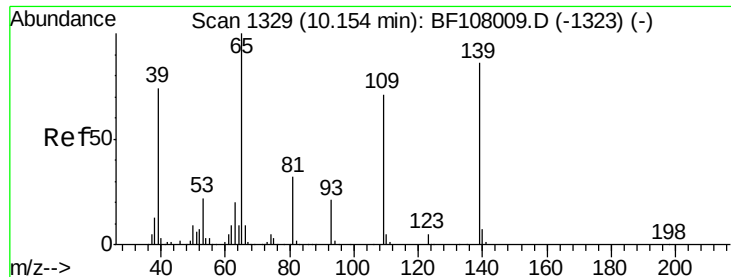
Tgt Ion:184 Resp: 674
Ion Ratio Lower Upper
184 100
63 116.0 54.2 81.2#
154 791.4 184.0 276.0#



#54
Dibenzofuran
Concen: 1.326 ng
RT: 10.27 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

Tgt Ion:168 Resp: 59976
Ion Ratio Lower Upper
168 100
139 35.7 30.1 45.1
169 12.9 10.9 16.3

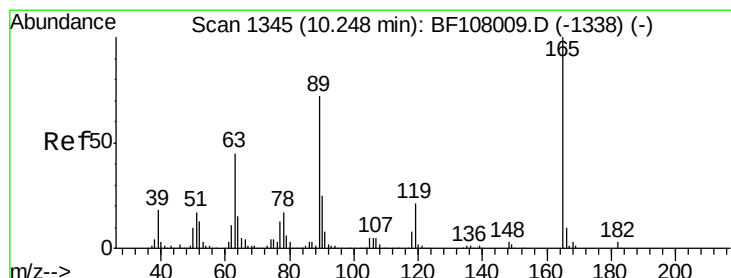
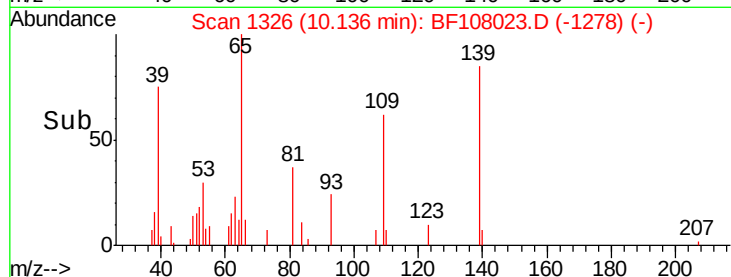
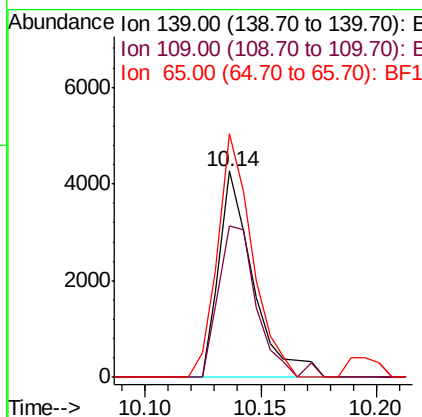
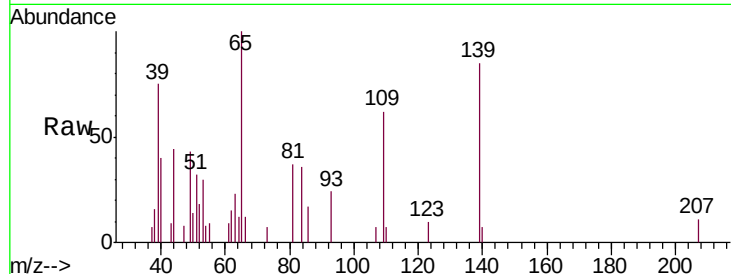




#55
4-Nitrophenol
Concen: 0.657 ng
RT: 10.14 min Scan# 1326
Delta R.T. -0.02 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

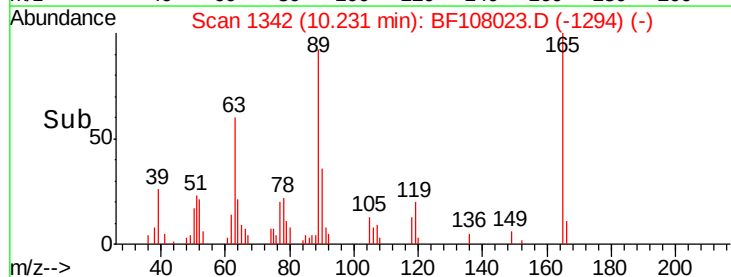
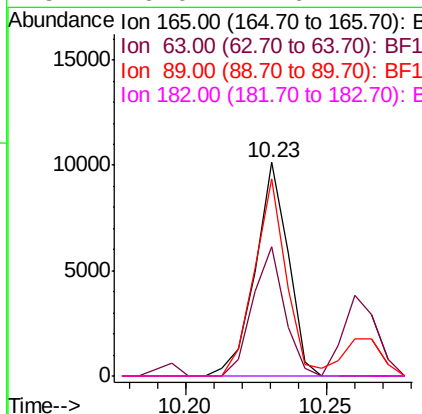
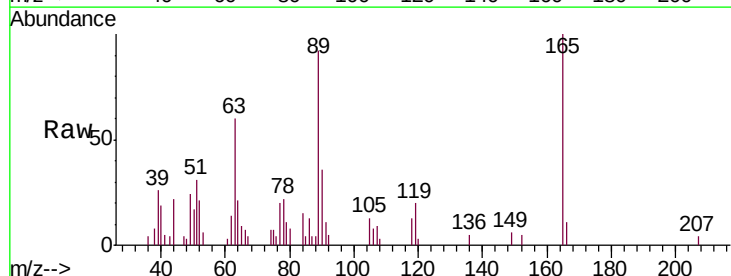
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

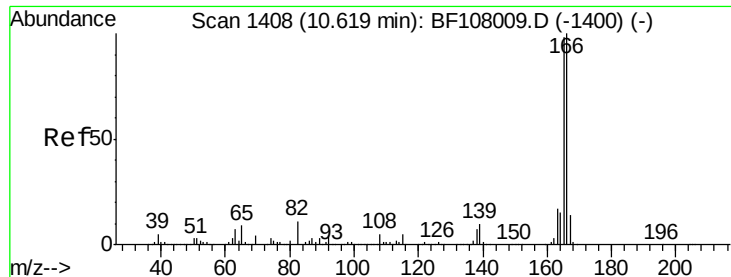
Tgt Ion:139 Resp: 4387
Ion Ratio Lower Upper
139 100
109 73.3 48.4 88.4
65 118.0 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 0.788 ng
RT: 10.23 min Scan# 1342
Delta R.T. -0.02 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

Tgt Ion:165 Resp: 8177
Ion Ratio Lower Upper
165 100
63 60.3 36.4 54.6#
89 92.2 57.8 86.6#
182 0.0 1.6 2.4#

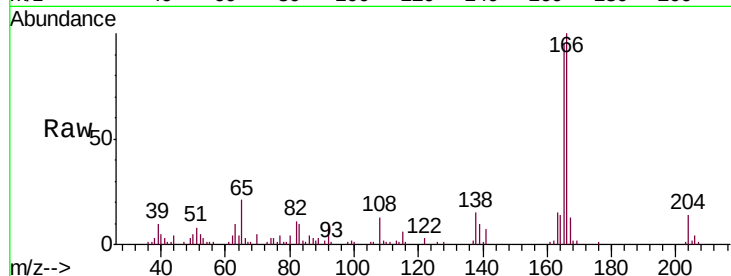




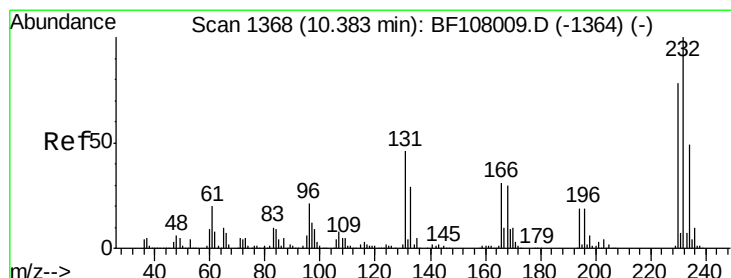
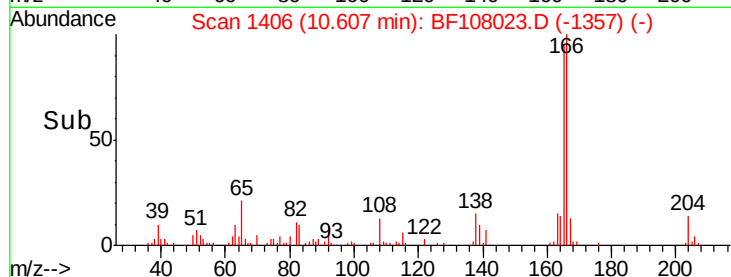
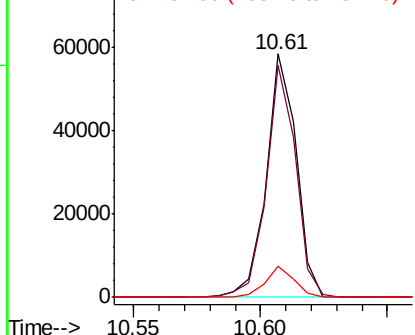
#57
 Fluorene
 Concen: 1.351 ng
 RT: 10.61 min Scan# 1406
 Delta R.T. -0.01 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

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

Tgt Ion:166 Resp: 48351
 Ion Ratio Lower Upper
 166 100
 165 95.2 79.8 119.8
 167 12.9 10.6 16.0

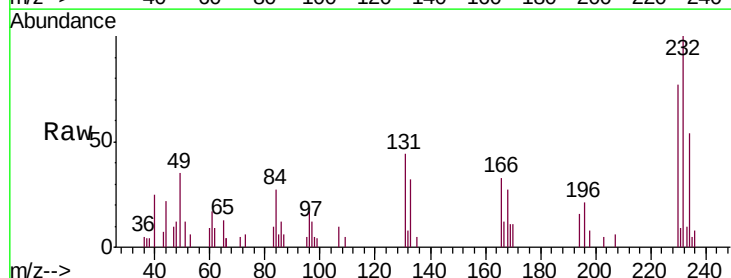


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

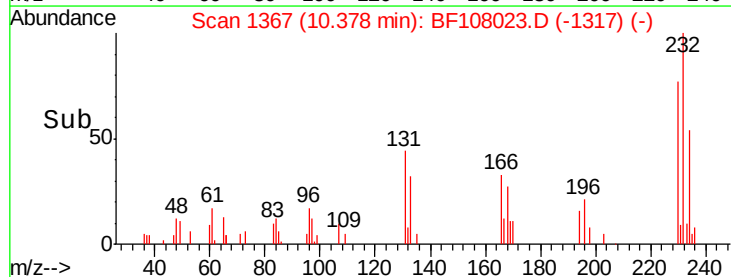
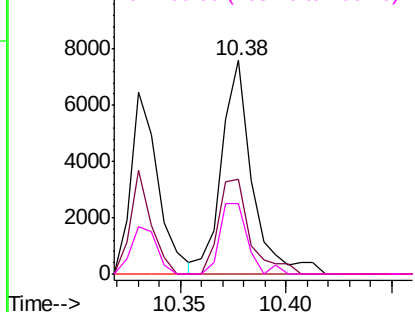


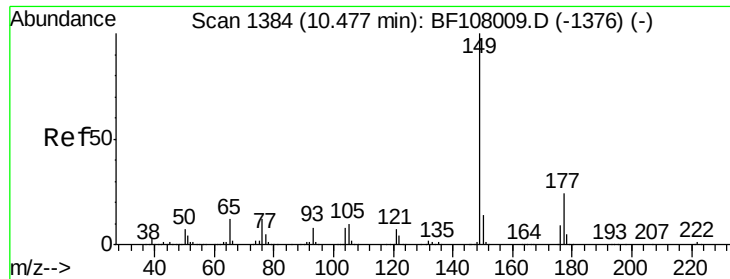
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 0.782 ng
 RT: 10.38 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

Tgt Ion:232 Resp: 7587
 Ion Ratio Lower Upper
 232 100
 131 46.2 43.8 65.8
 130 0.0 2.1 3.1#
 166 30.2 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

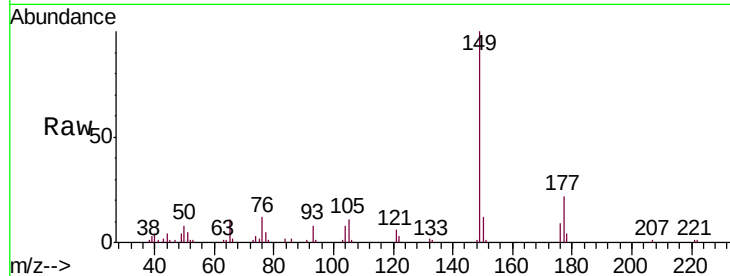




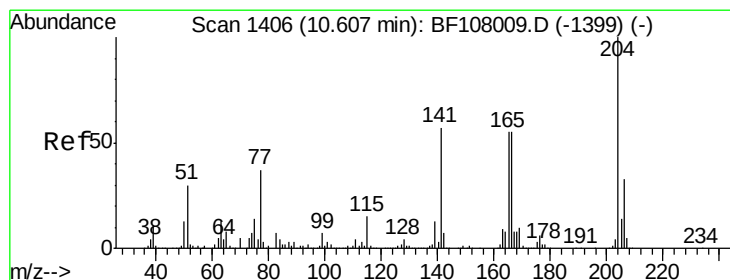
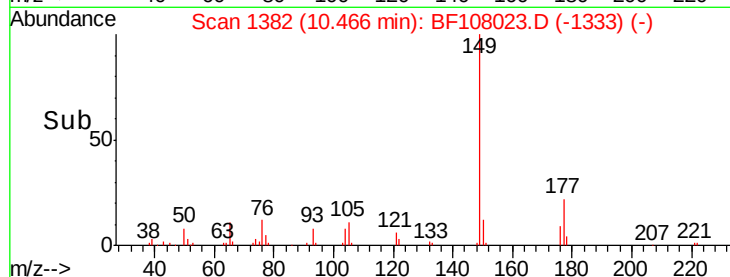
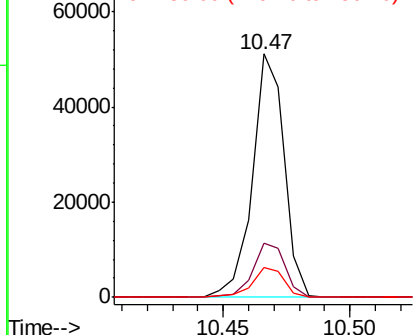
#59
Diethylphthalate
Concen: 1.190 ng
RT: 10.47 min Scan# 1382
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

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

Tgt Ion:149 Resp: 44389
Ion Ratio Lower Upper
149 100
177 22.3 16.1 24.1
150 12.2 10.1 15.1

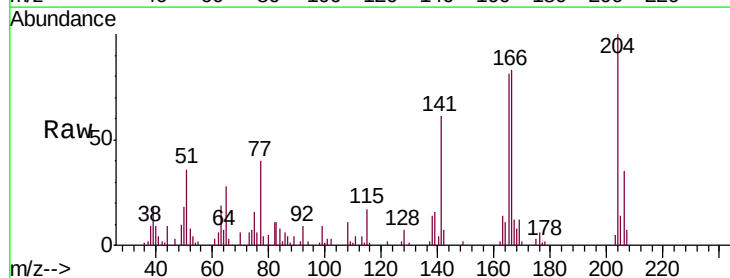


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

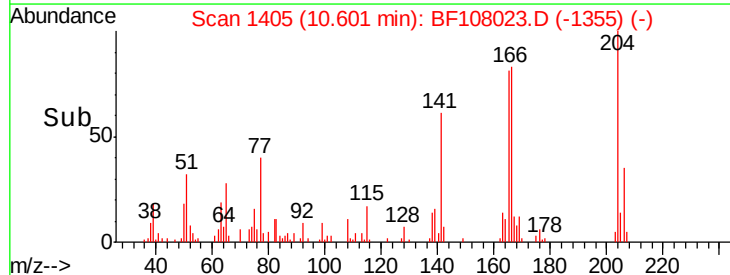
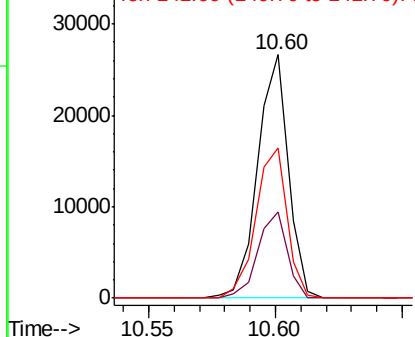


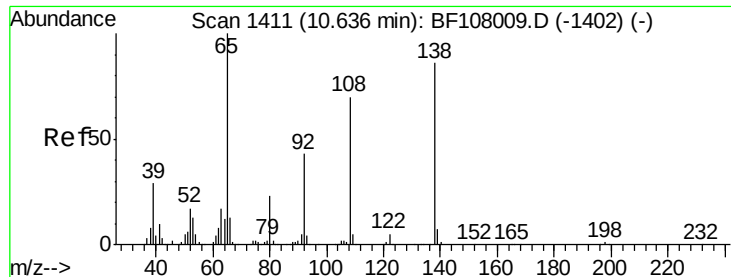
#60
4-Chlorophenyl-phenylether
Concen: 1.213 ng
RT: 10.60 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

Tgt Ion:204 Resp: 22631
Ion Ratio Lower Upper
204 100
206 35.5 26.5 39.7
141 61.5 54.6 81.8



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

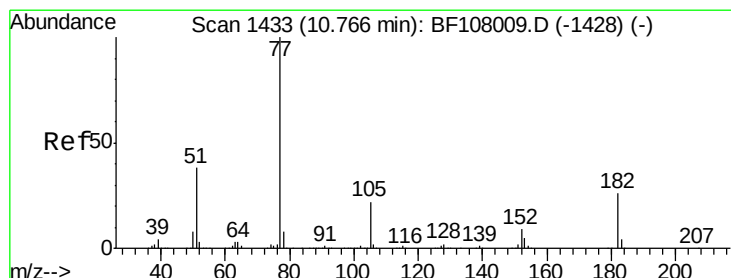
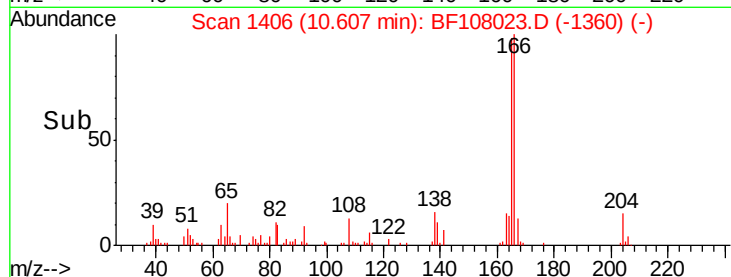
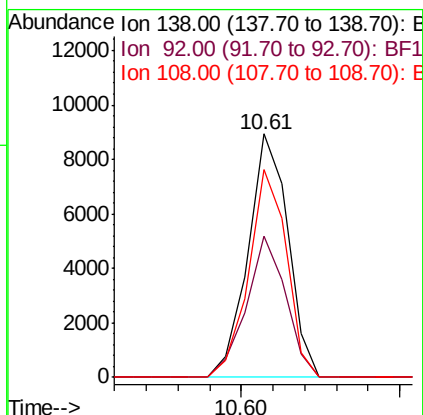
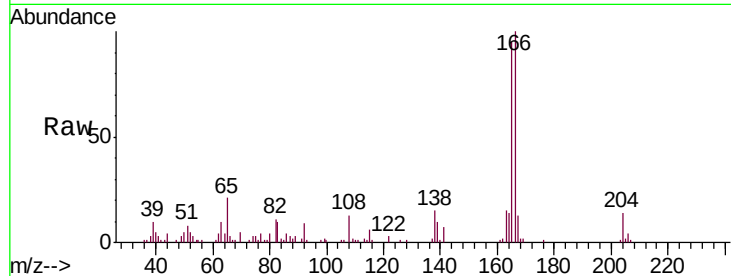




#61
4-Nitroaniline
Concen: 0.894 ng
RT: 10.61 min Scan# 1406
Delta R.T. -0.03 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

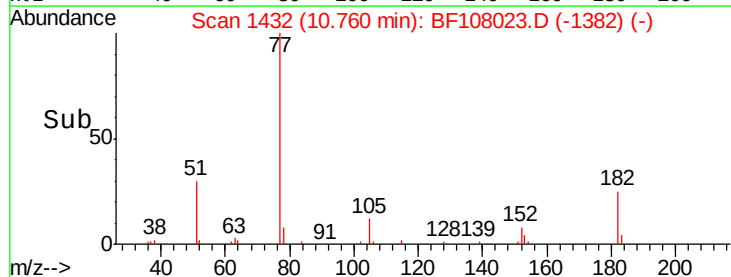
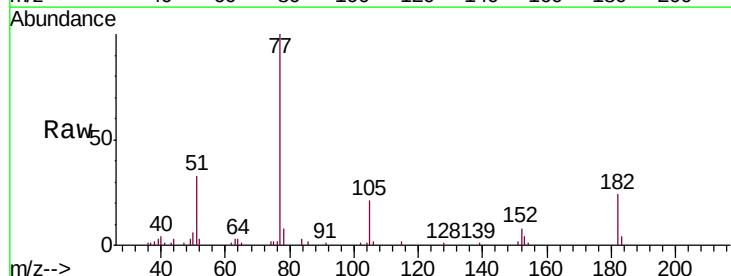
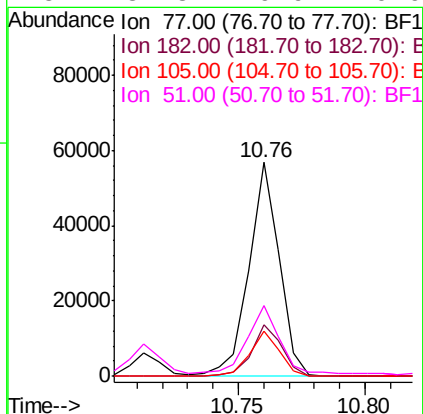
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

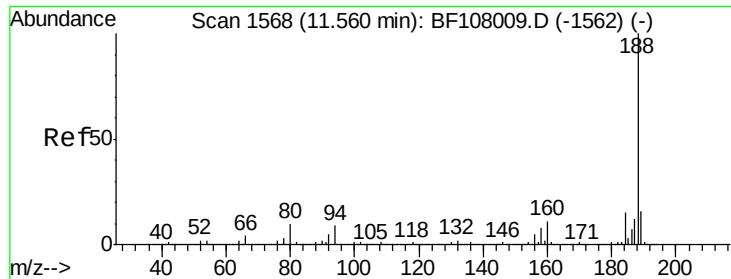
Tgt Ion: 138 Resp: 7793
Ion Ratio Lower Upper
138 100
92 58.1 30.2 70.2
108 85.2 52.5 92.5



#62
Azobenzene
Concen: 1.225 ng
RT: 10.76 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

Tgt Ion: 77 Resp: 47224
Ion Ratio Lower Upper
77 100
182 24.2 1.7 41.7
105 21.2 3.0 43.0
51 32.8 9.9 49.9

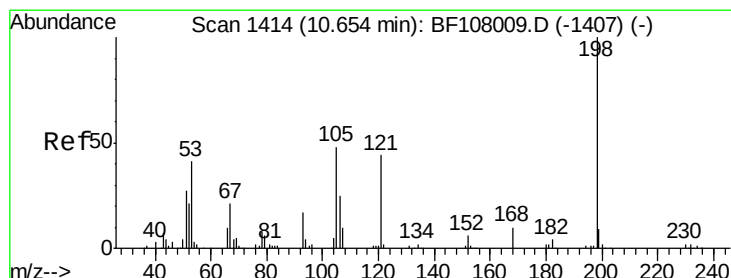
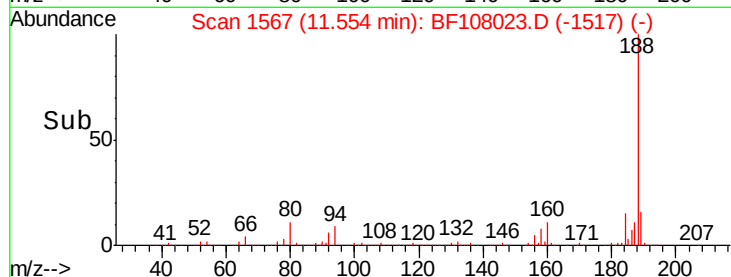
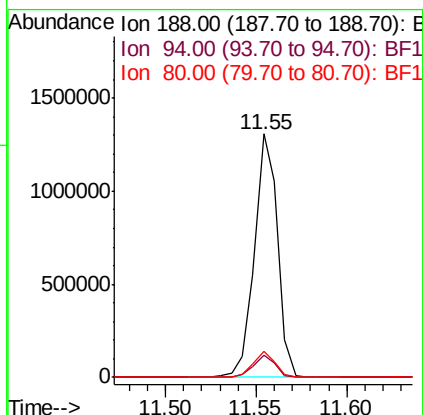
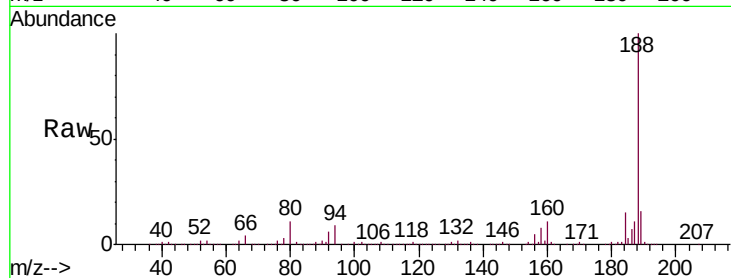




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

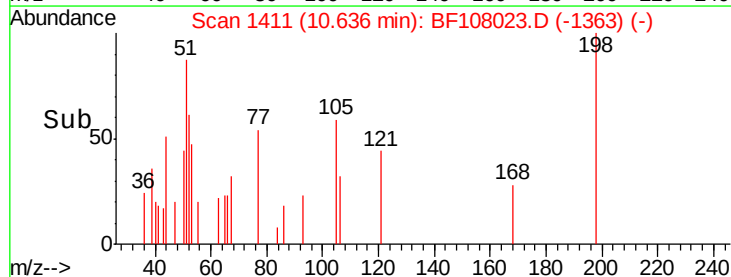
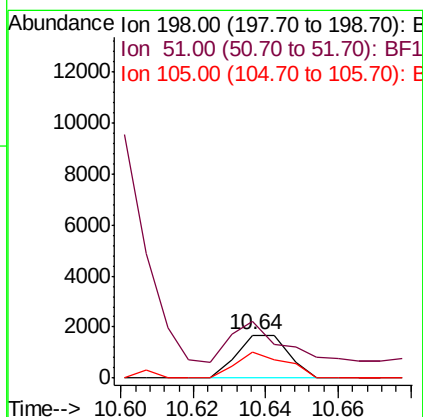
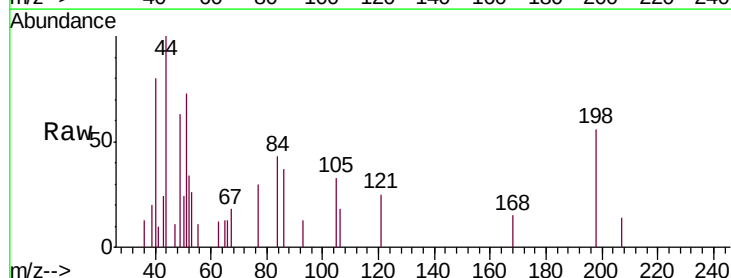
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

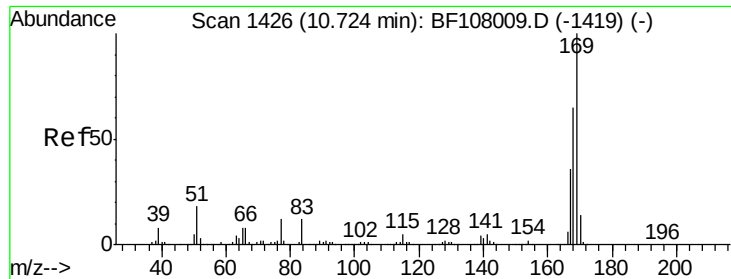
Tgt Ion:188 Resp: 1154979
Ion Ratio Lower Upper
188 100
94 9.2 8.5 12.7
80 10.9 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.700 ng
RT: 10.64 min Scan# 1411
Delta R.T. -0.02 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

Tgt Ion:198 Resp: 1668
Ion Ratio Lower Upper
198 100
51 130.3 37.7 77.7#
105 59.4 36.3 76.3

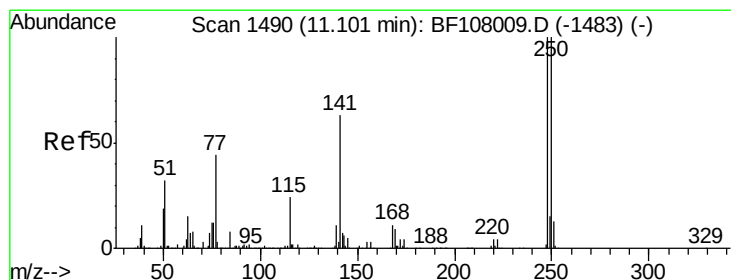
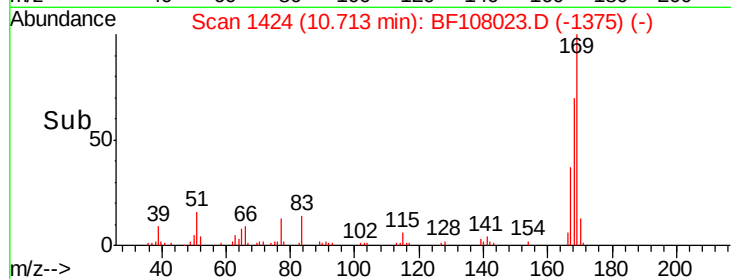
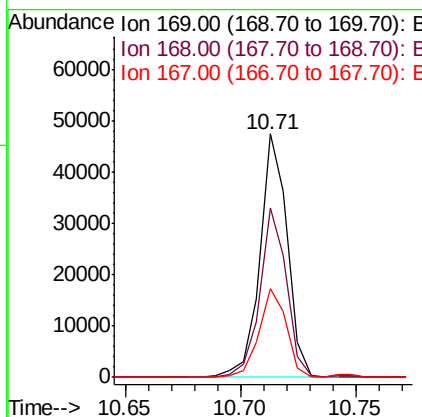
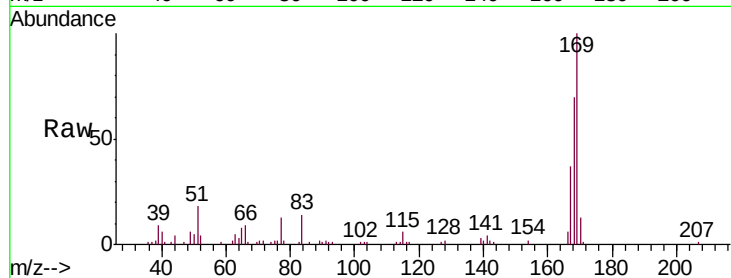




#65
 n-Nitrosodiphenylamine
 Concen: 1.148 ng
 RT: 10.71 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

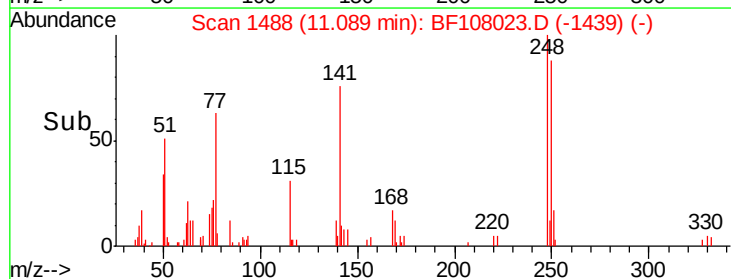
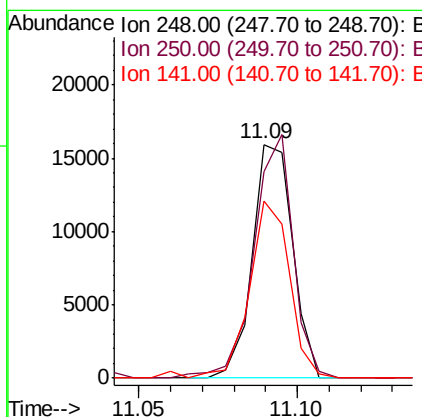
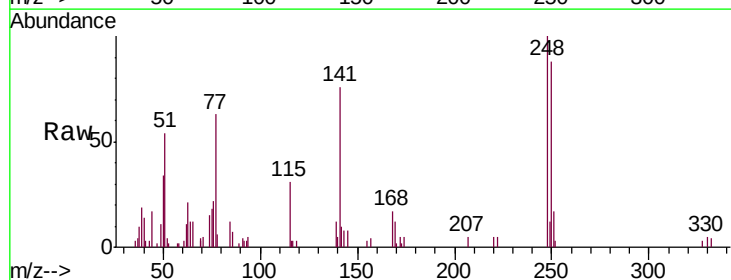
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

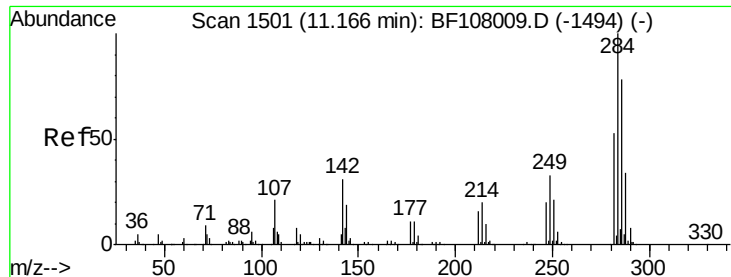
Tgt Ion	Resp	Lower	Upper
169	39168		
168	69.8	54.4	81.6
167	36.6	29.8	44.6



#66
 4-Bromophenyl-phenylether
 Concen: 1.122 ng
 RT: 11.09 min Scan# 1488
 Delta R.T. -0.01 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

Tgt Ion	Resp	Lower	Upper
248	14078		
250	88.2	76.9	115.3
141	75.6	74.4	111.6

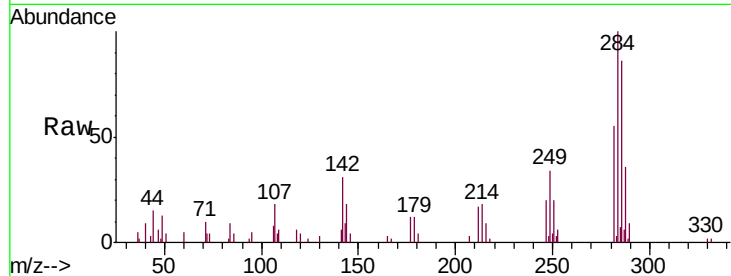




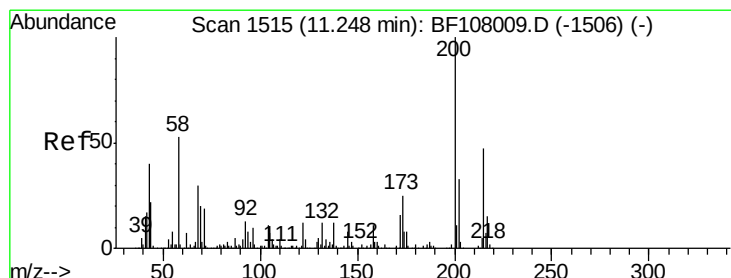
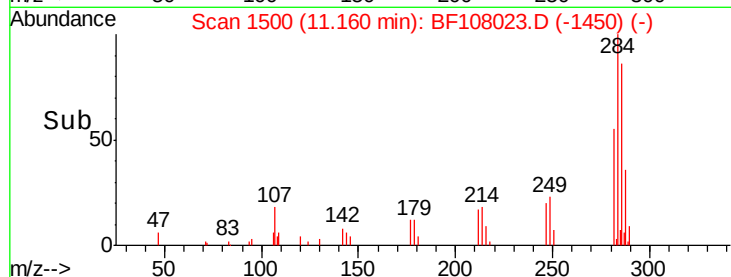
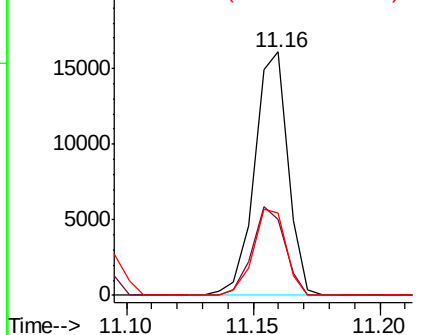
#67
Hexachlorobenzene
Concen: 1.127 ng
RT: 11.16 min Scan# 1500
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

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

Tgt Ion:284 Resp: 14888
Ion Ratio Lower Upper
284 100
142 31.2 34.6 52.0#
249 33.9 24.8 37.2

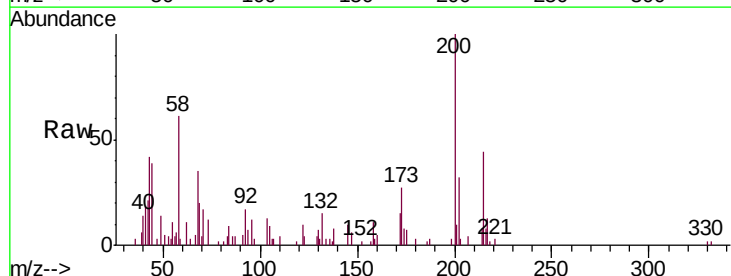


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

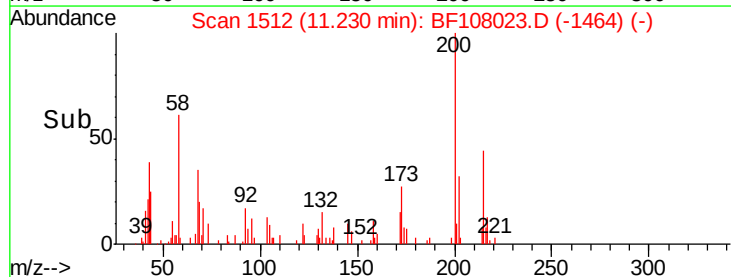
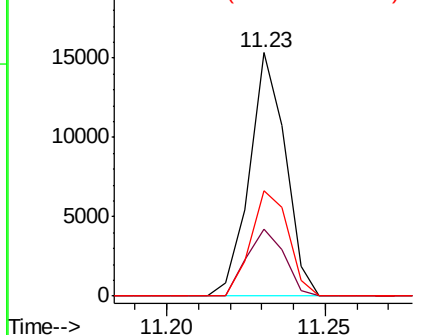


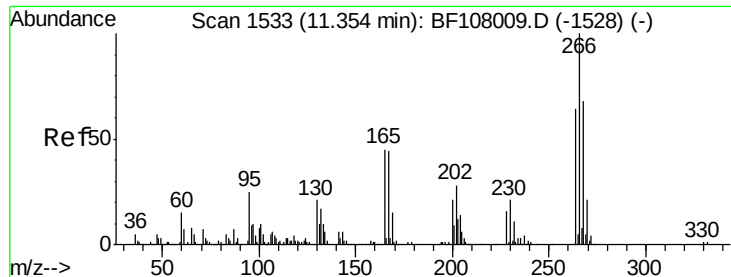
#68
Atrazine
Concen: 1.057 ng
RT: 11.23 min Scan# 1512
Delta R.T. -0.02 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

Tgt Ion:200 Resp: 12100
Ion Ratio Lower Upper
200 100
173 27.4 8.6 48.6
215 43.5 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

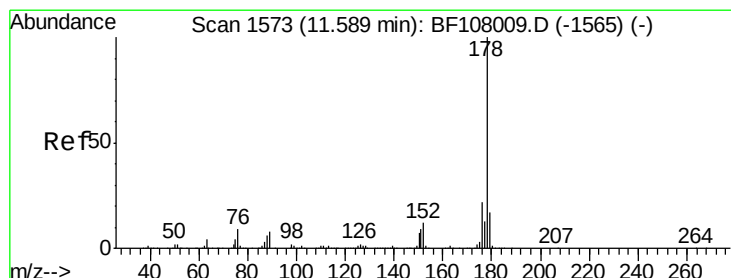
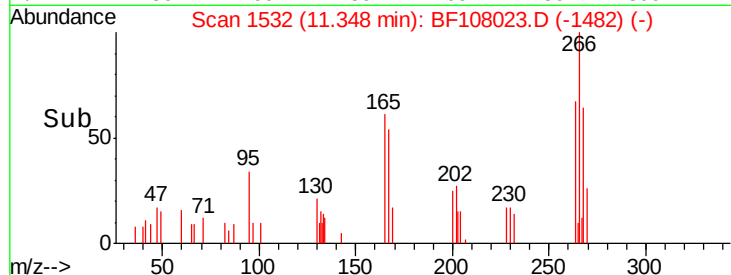
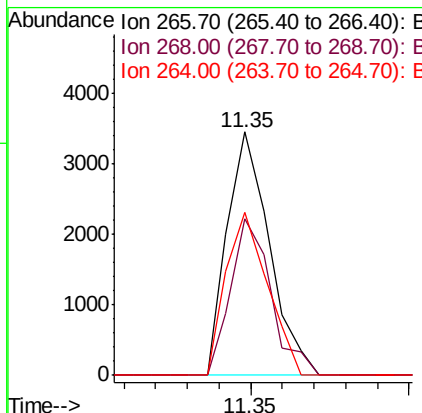
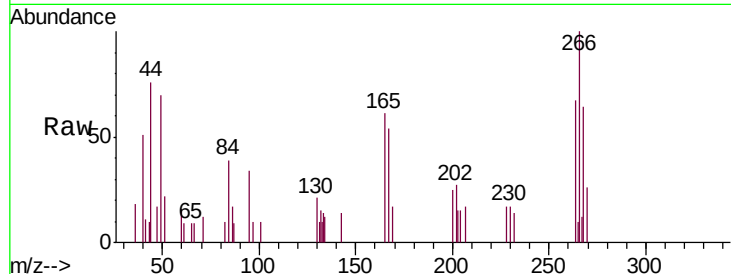




#69
 Pentachlorophenol
 Concen: 0.501 ng
 RT: 11.35 min Scan# 1532
 Delta R.T. -0.01 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

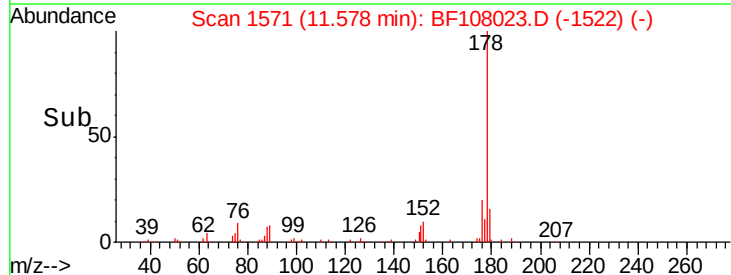
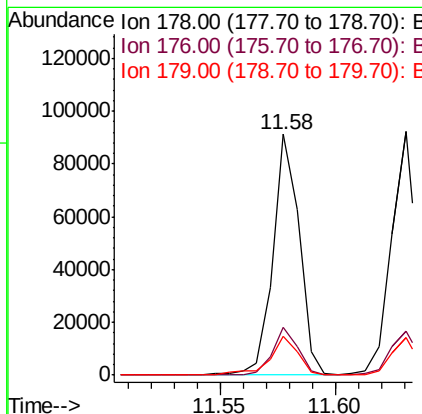
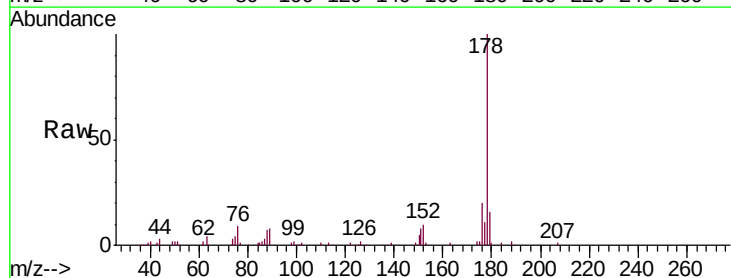
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

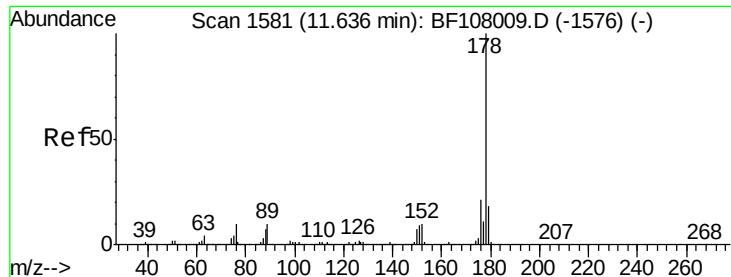
Tgt Ion: 266 Resp: 3168
 Ion Ratio Lower Upper
 266 100
 268 64.2 51.1 76.7
 264 66.8 49.5 74.3



#70
 Phenanthrene
 Concen: 1.319 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

Tgt Ion: 178 Resp: 71851
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.8 23.8
 179 16.1 13.0 19.6





#71

Anthracene

Concen: 1.284 ng

RT: 11.63 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

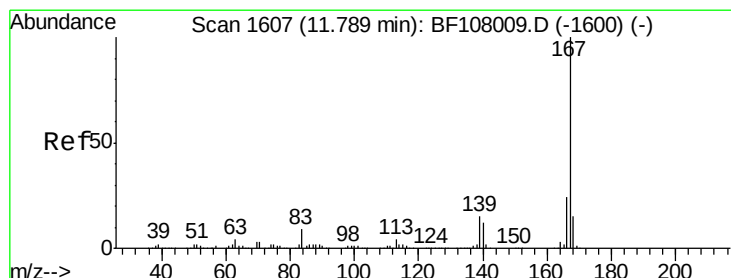
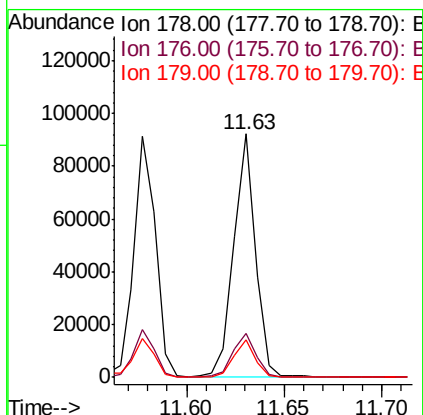
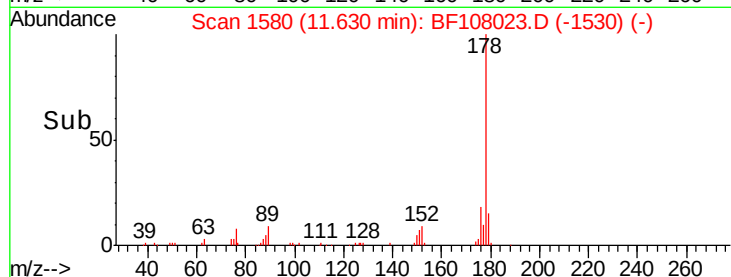
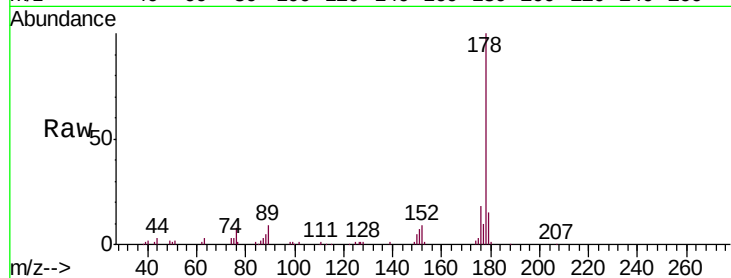
Tgt Ion:178 Resp: 71693

Ion Ratio Lower Upper

178 100

176 18.1 15.4 23.2

179 15.2 12.6 19.0



#72

Carbazole

Concen: 1.224 ng

RT: 11.78 min Scan# 1606

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

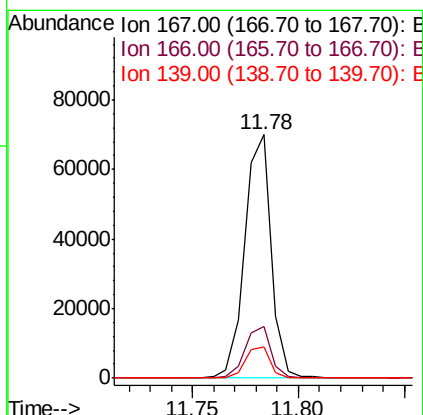
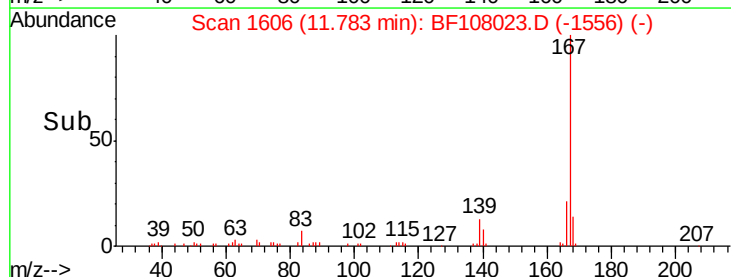
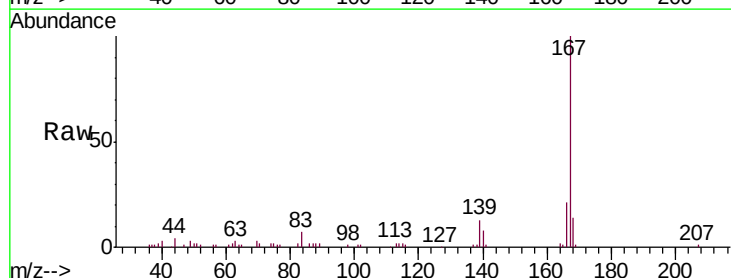
Tgt Ion:167 Resp: 60719

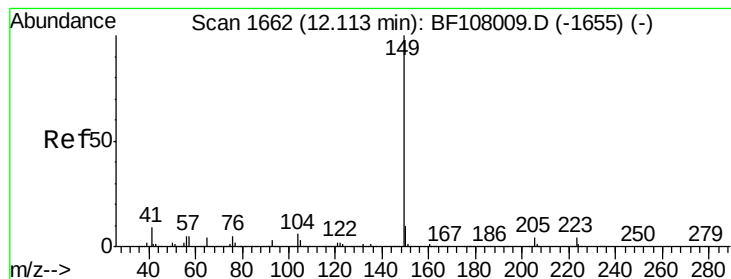
Ion Ratio Lower Upper

167 100

166 21.0 17.6 26.4

139 12.6 10.9 16.3





#73

Di-n-butylphthalate

Concen: 1.117 ng

RT: 12.11 min Scan# 1661

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

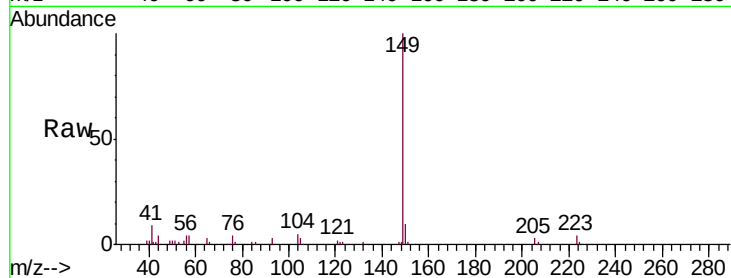
Tgt Ion:149 Resp: 62790

Ion Ratio Lower Upper

149 100

150 9.8 7.8 11.6

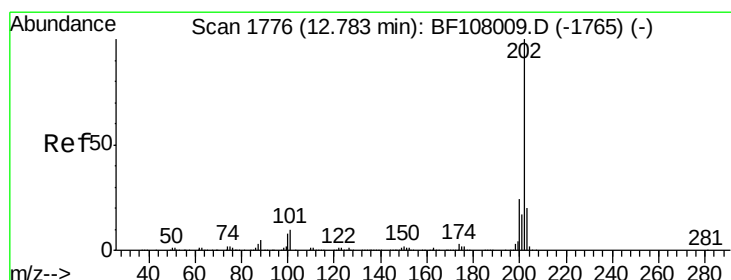
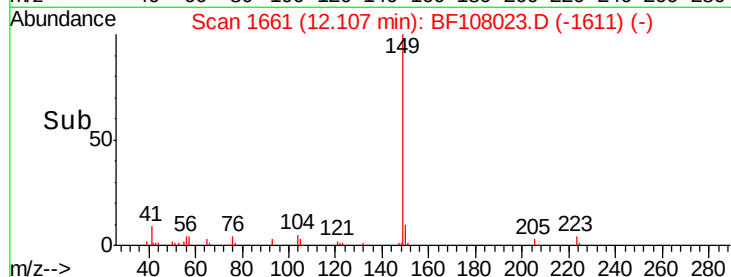
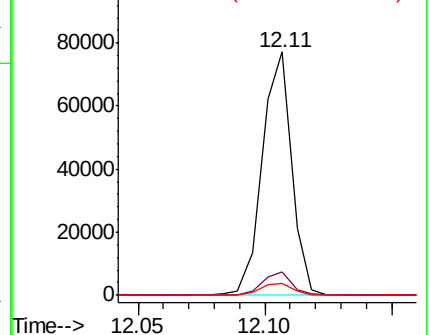
104 4.9 3.8 5.8



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: 1.294 ng

RT: 12.77 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

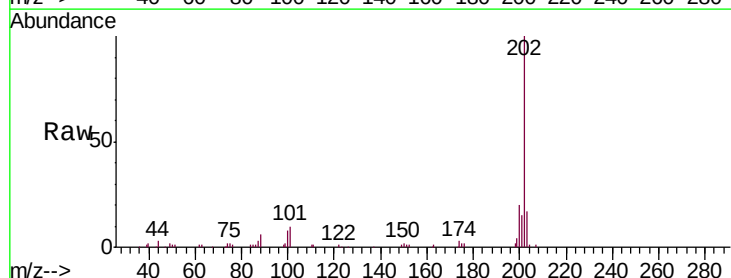
Tgt Ion:202 Resp: 76949

Ion Ratio Lower Upper

202 100

101 10.3 0.0 34.1

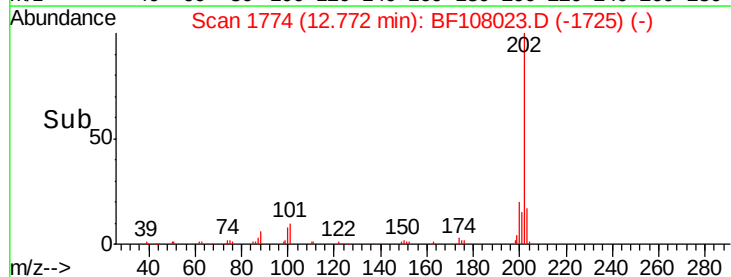
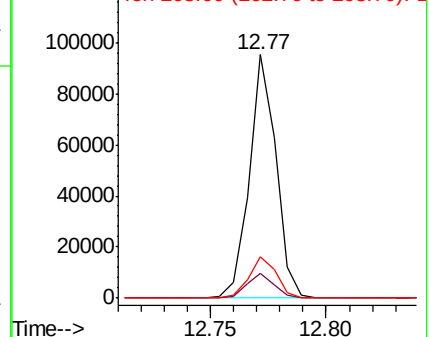
203 16.9 0.0 38.1

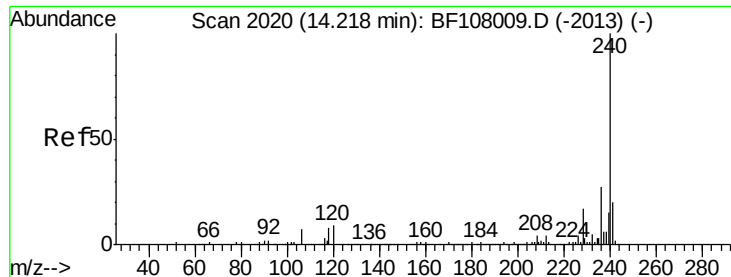


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2019

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

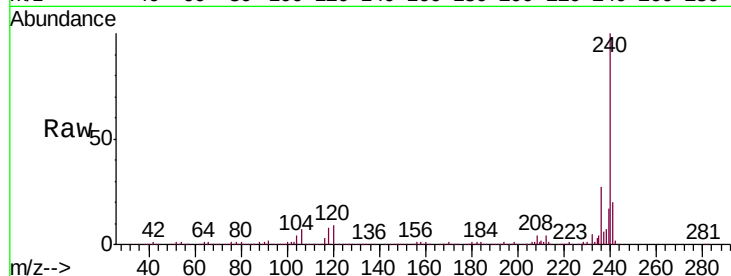
Tgt Ion:240 Resp: 1056292

Ion Ratio Lower Upper

240 100

120 9.1 9.5 14.3#

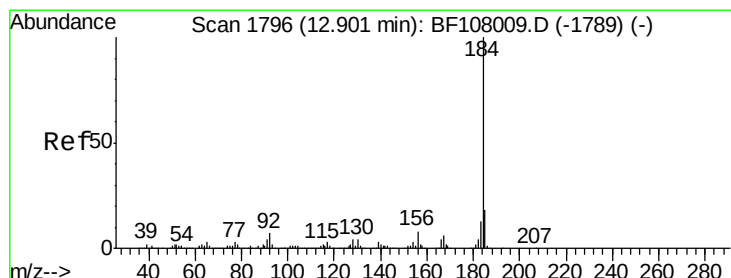
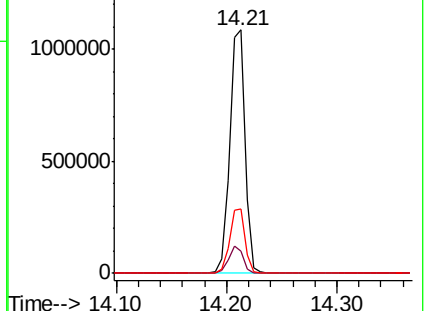
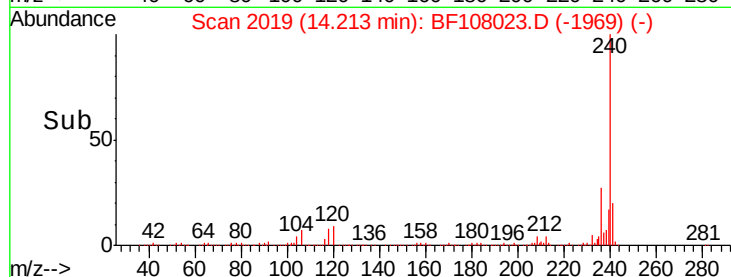
236 26.7 20.7 31.1



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: 0.211 ng

RT: 12.89 min Scan# 1794

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

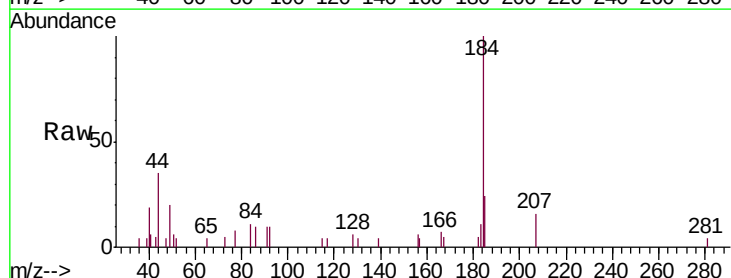
Tgt Ion:184 Resp: 8311

Ion Ratio Lower Upper

184 100

185 24.5 12.6 18.8#

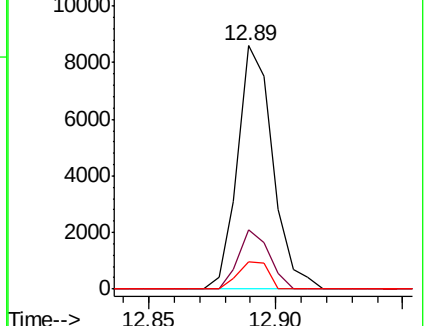
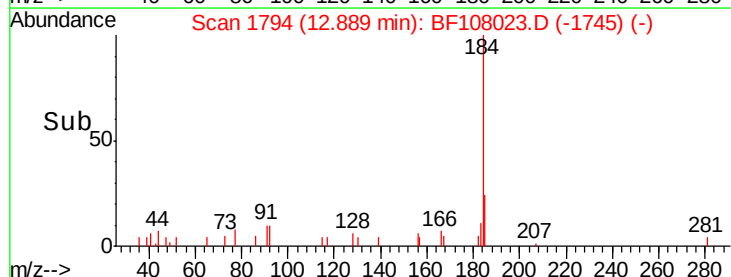
183 11.4 9.3 13.9

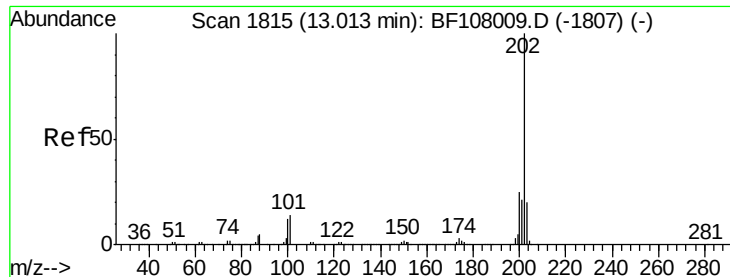


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 1.172 ng

RT: 13.01 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

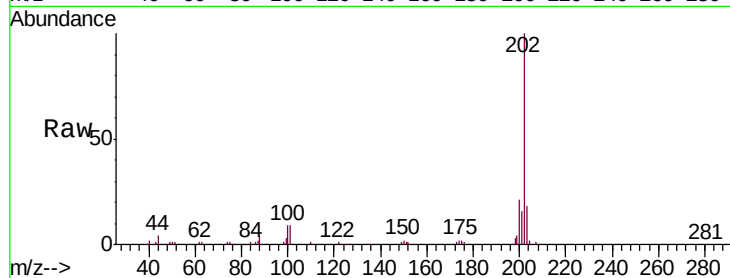
Tgt Ion:202 Resp: 78363

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

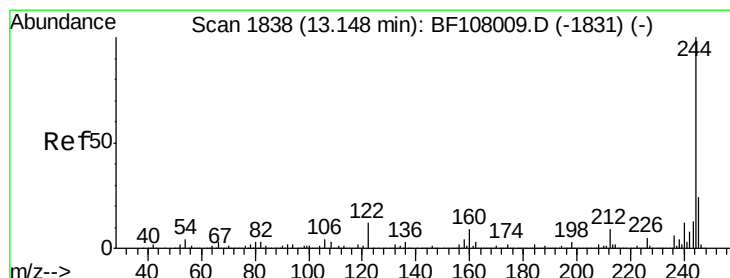
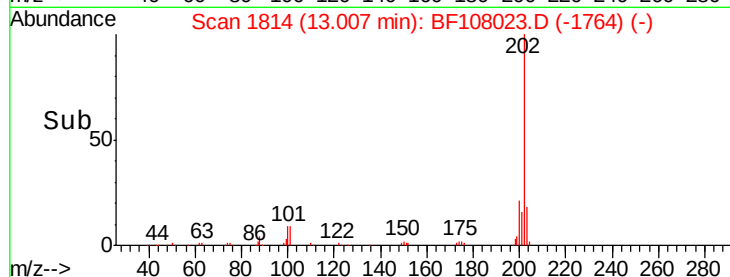
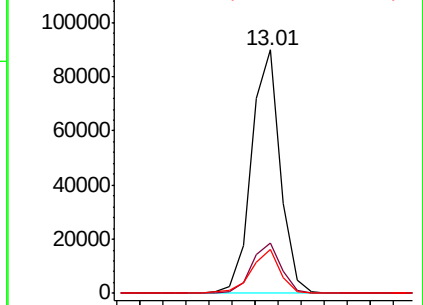
203 17.9 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 82.038 ng

RT: 13.15 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

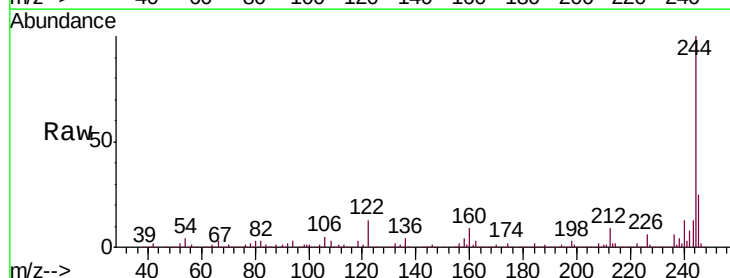
Tgt Ion:244 Resp: 3408190

Ion Ratio Lower Upper

244 100

212 9.3 5.4 8.0#

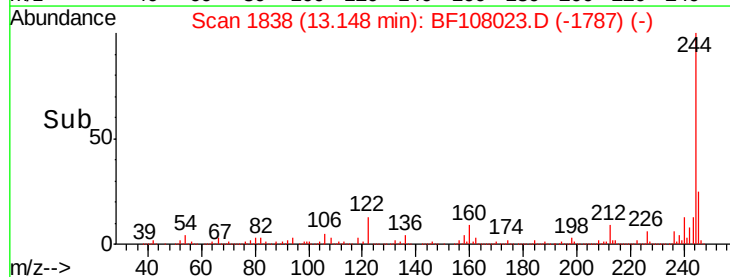
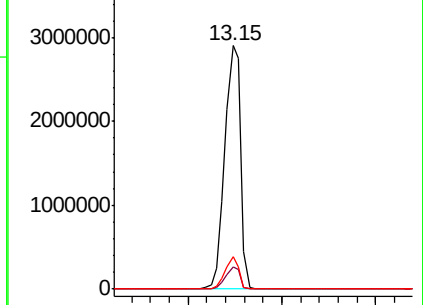
122 13.2 11.0 16.4

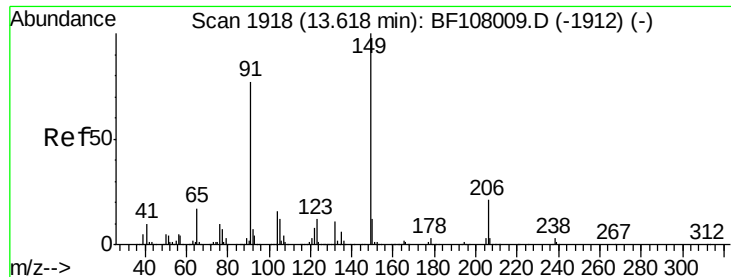


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

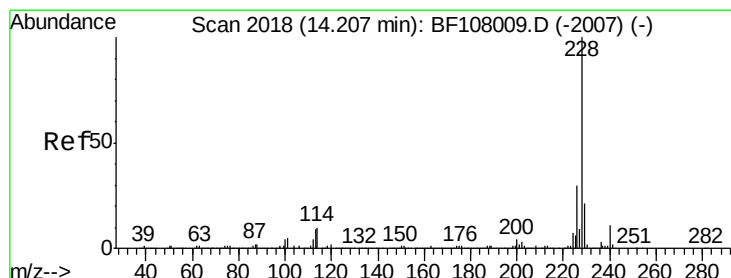
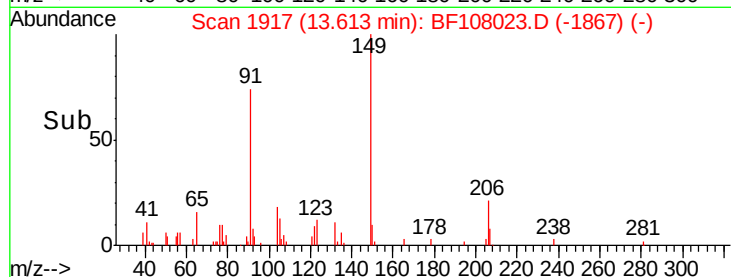
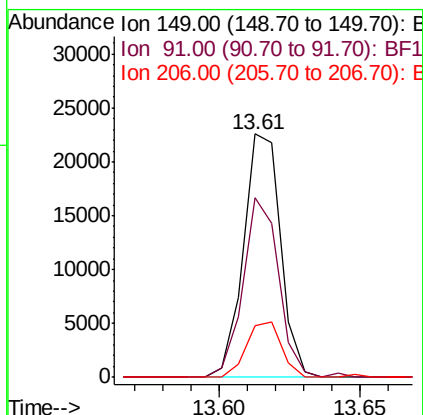
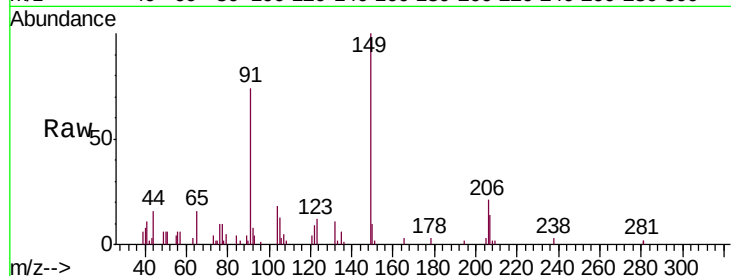




#79
Butylbenzylphthalate
Concen: 0.773 ng
RT: 13.61 min Scan# 1917
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

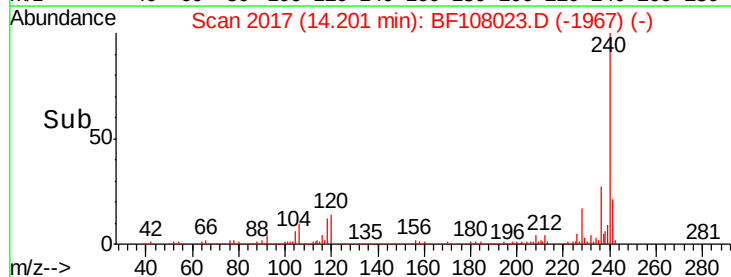
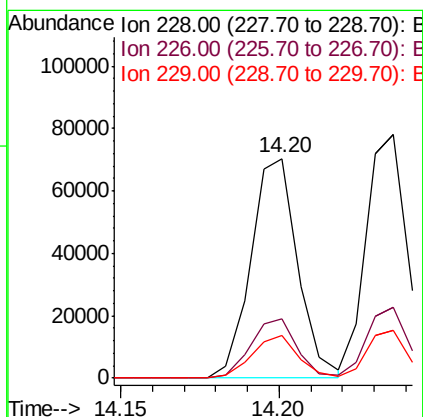
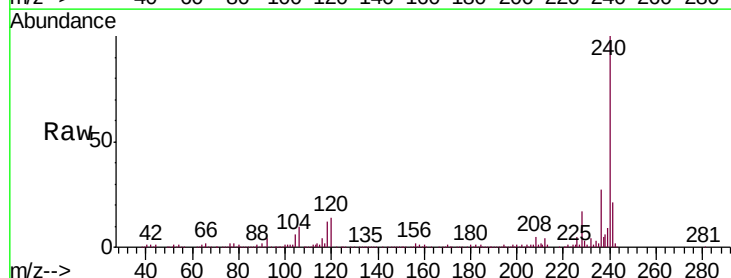
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

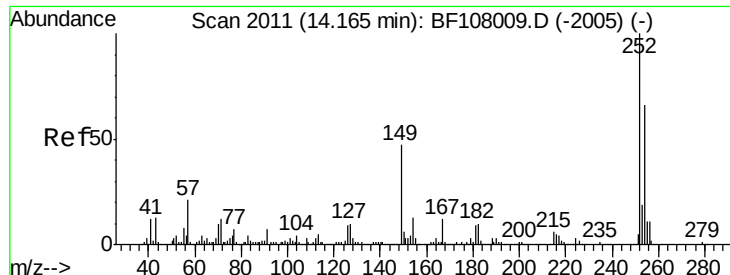
Tgt Ion:149 Resp: 20533
Ion Ratio Lower Upper
149 100
91 73.8 56.8 85.2
206 21.2 14.1 21.1#



#80
Benzo(a)anthracene
Concen: 1.188 ng
RT: 14.20 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

Tgt Ion:228 Resp: 71997
Ion Ratio Lower Upper
228 100
226 27.0 22.6 33.8
229 19.5 15.8 23.6

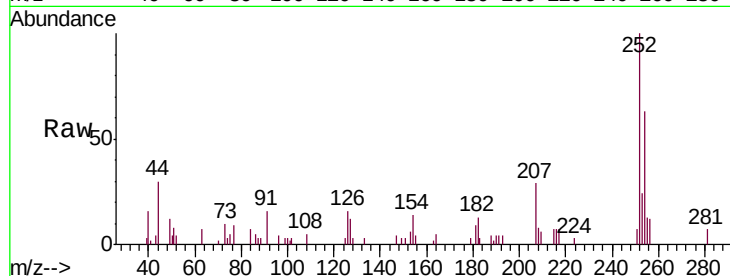




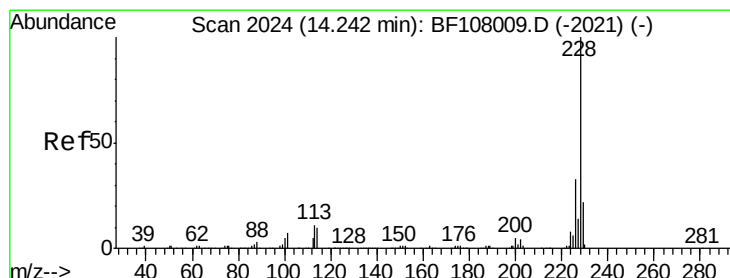
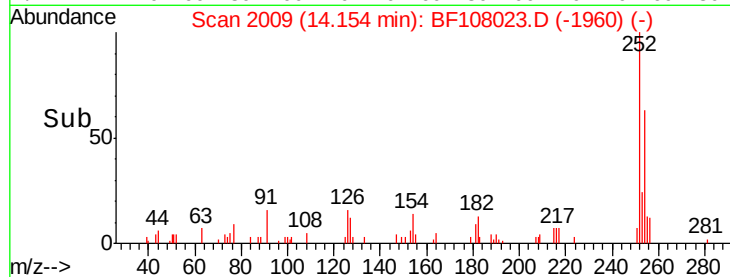
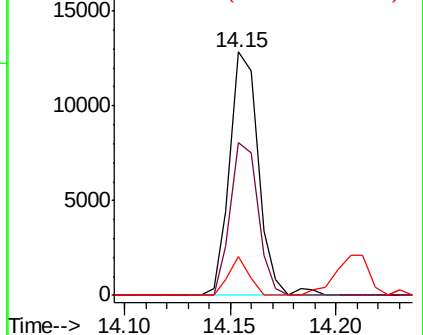
#81
 3,3'-Dichlorobenzidine
 Concen: 0.559 ng
 RT: 14.15 min Scan# 2009
 Delta R.T. -0.01 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

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

Tgt Ion: 252 Resp: 12138
 Ion Ratio Lower Upper
 252 100
 254 62.9 50.4 75.6
 126 15.7 11.3 16.9

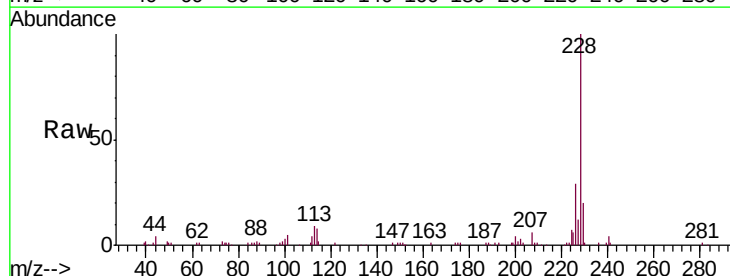


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

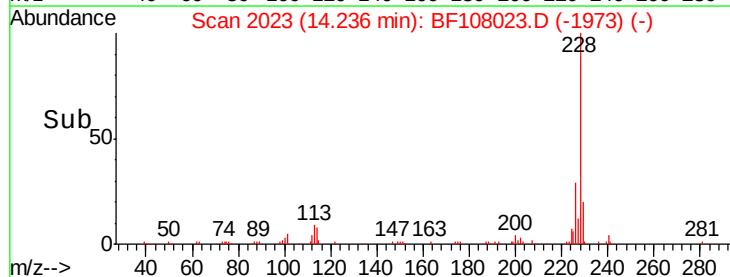
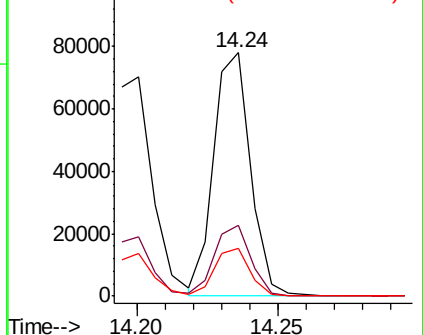


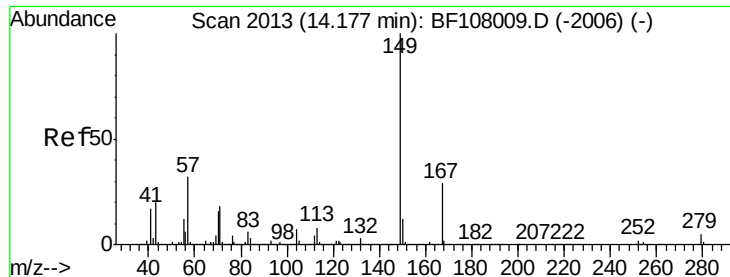
#82
 Chrysene
 Concen: 1.274 ng
 RT: 14.24 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

Tgt Ion: 228 Resp: 70812
 Ion Ratio Lower Upper
 228 100
 226 29.2 25.0 37.6
 229 19.6 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: 0.891 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

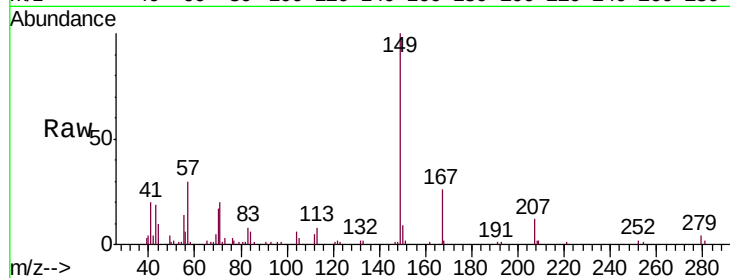
Tgt Ion:149 Resp: 32056

Ion Ratio Lower Upper

149 100

167 25.9 21.3 31.9

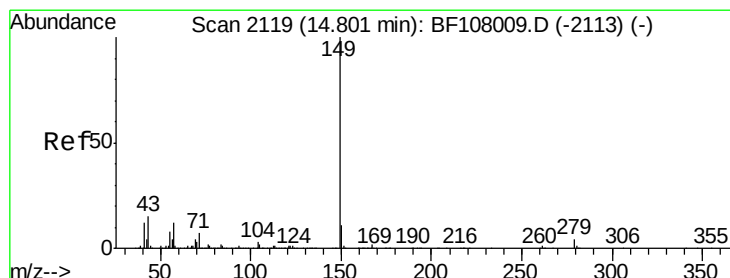
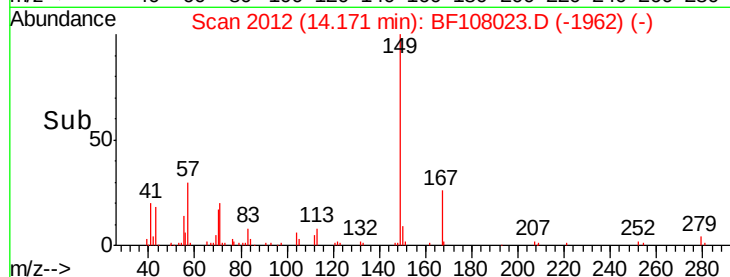
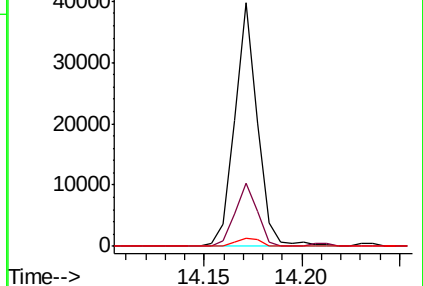
279 3.5 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 0.774 ng

RT: 14.80 min Scan# 2119

Delta R.T. 0.00 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

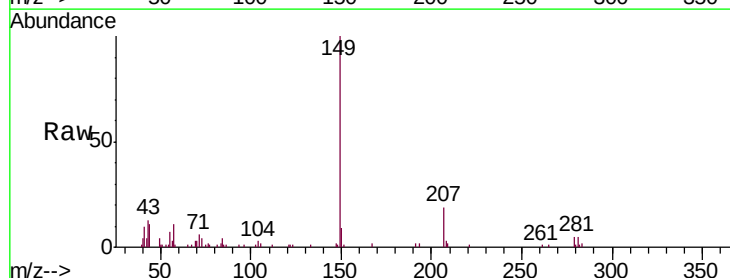
Tgt Ion:149 Resp: 42445

Ion Ratio Lower Upper

149 100

167 1.0 1.2 1.8#

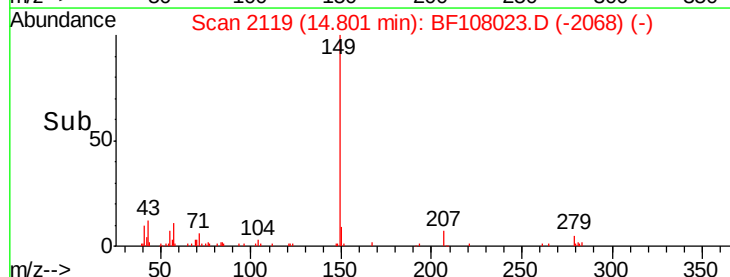
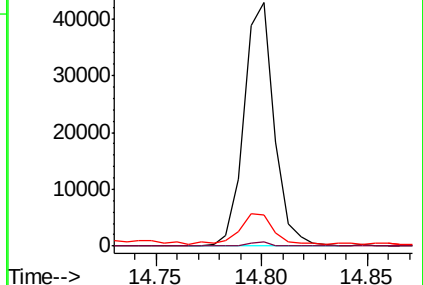
43 14.4 8.4 12.6#

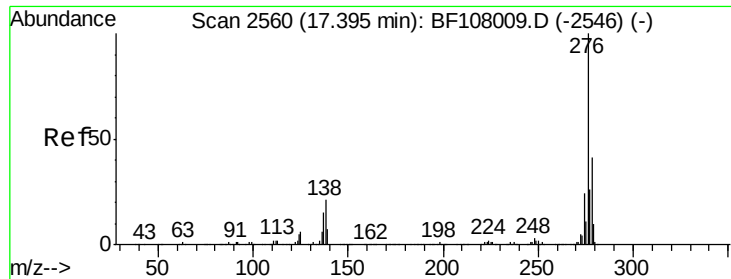


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

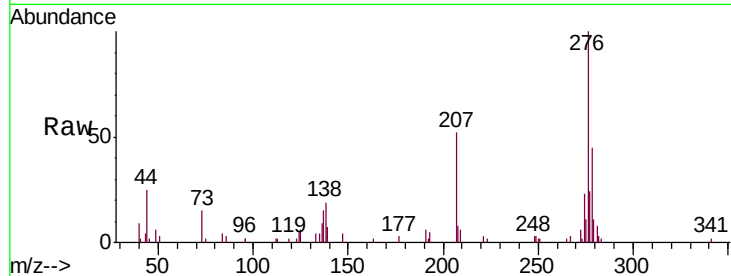




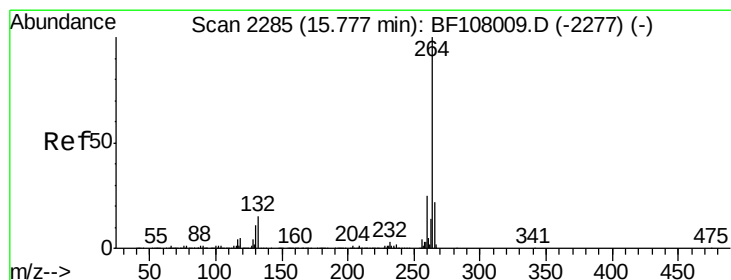
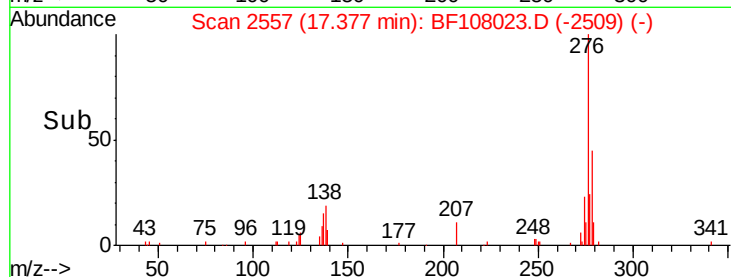
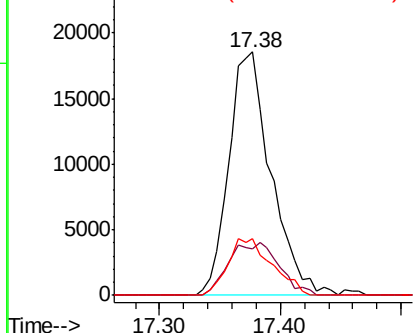
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 0.939 ng
 RT: 17.38 min Scan# 2557
 Delta R.T. -0.02 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

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

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.6	25.0	37.6
277	24.5	20.1	30.1

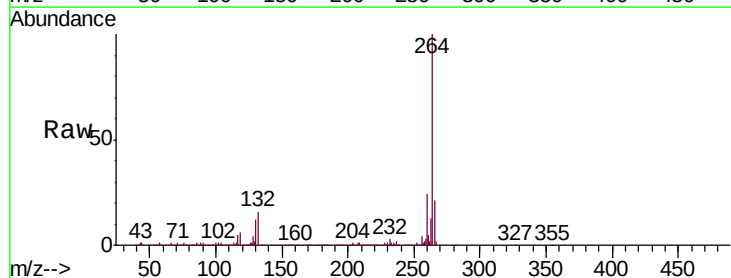


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

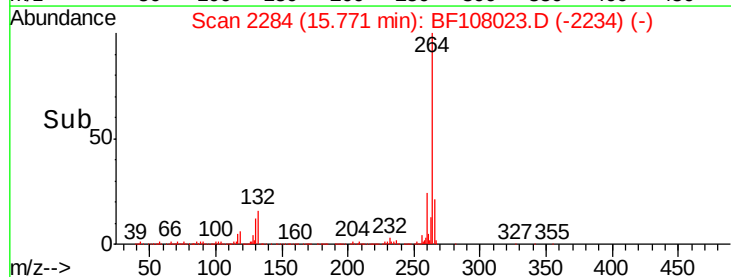
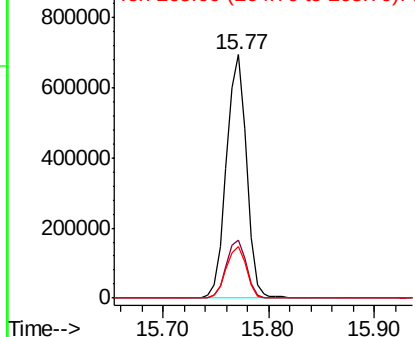


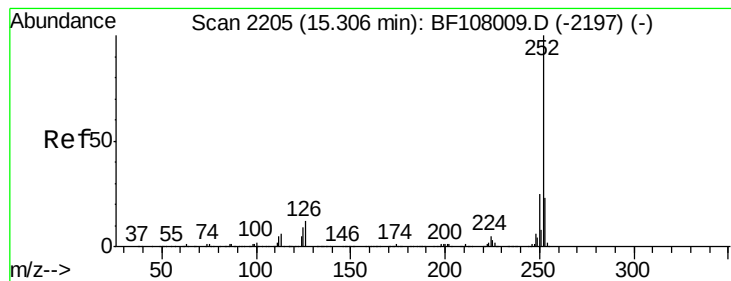
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.77 min Scan# 2284
 Delta R.T. -0.01 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.2	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: 1.105 ng

RT: 15.29 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

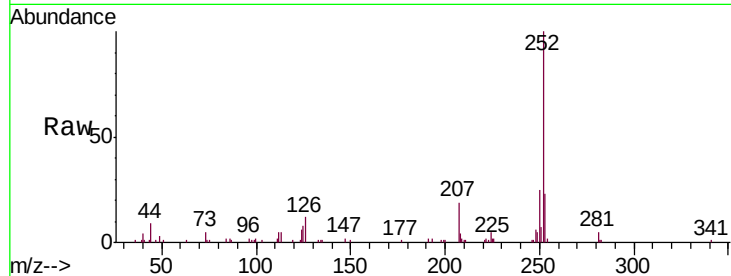
Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

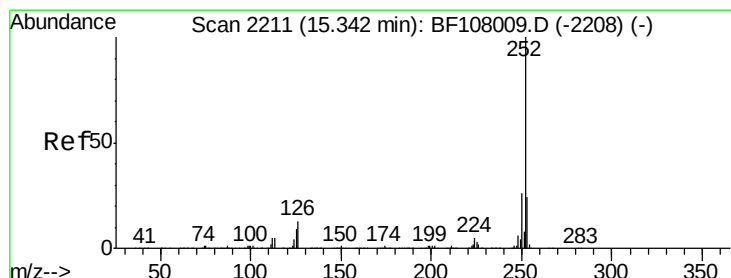
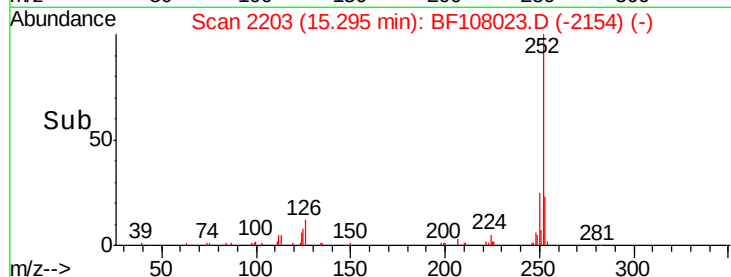
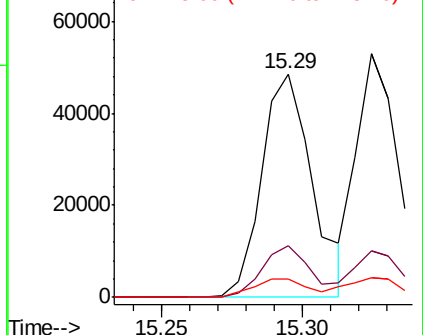
Tgt Ion:	252	Resp:	60225
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	8.4	9.0	13.6#



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



#88

Benzo(k)fluoranthene

Concen: 1.106 ng

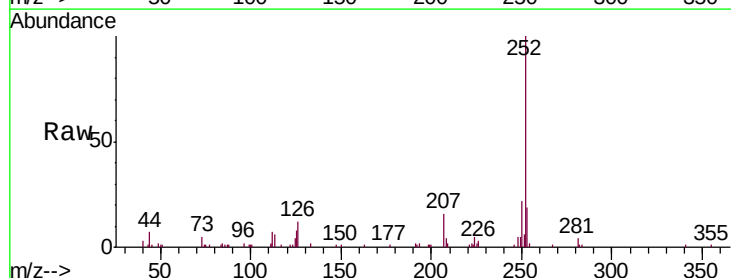
RT: 15.32 min Scan# 2208

Delta R.T. -0.02 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

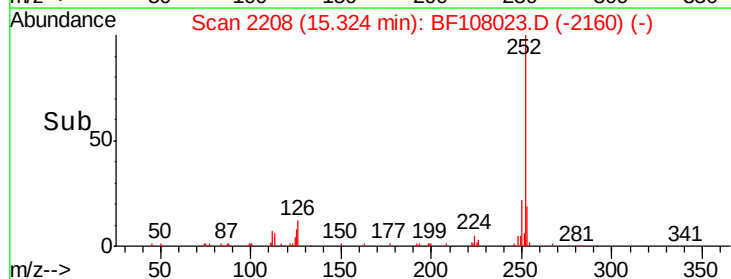
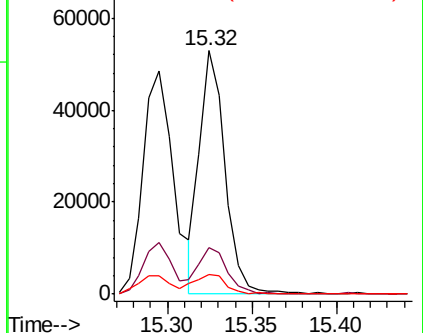
Tgt Ion:	252	Resp:	55392
Ion	Ratio	Lower	Upper
252	100		
253	18.9	17.9	26.9
125	7.9	10.2	15.2#

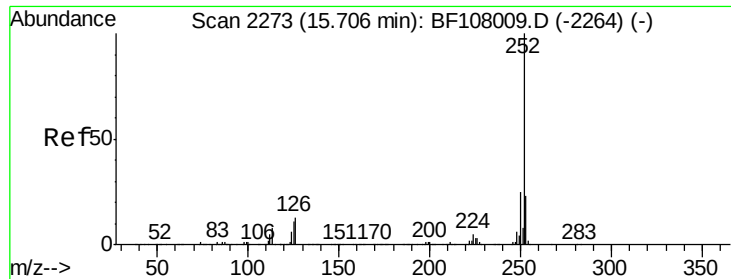


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 1.017 ng

RT: 15.69 min Scan# 2271

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

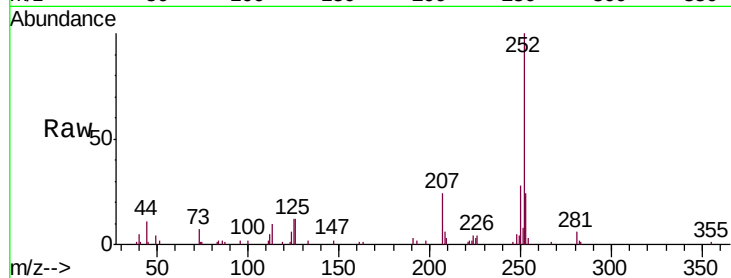
Tgt Ion:252 Resp: 49598

Ion Ratio Lower Upper

252 100

253 23.9 17.1 25.7

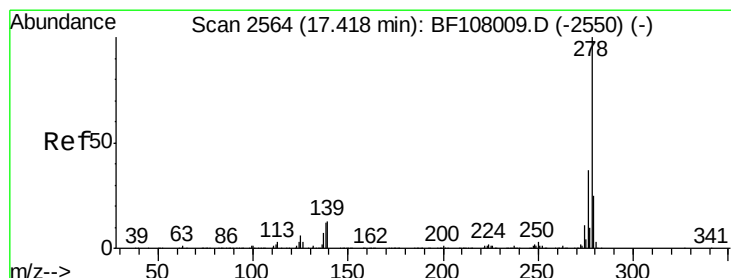
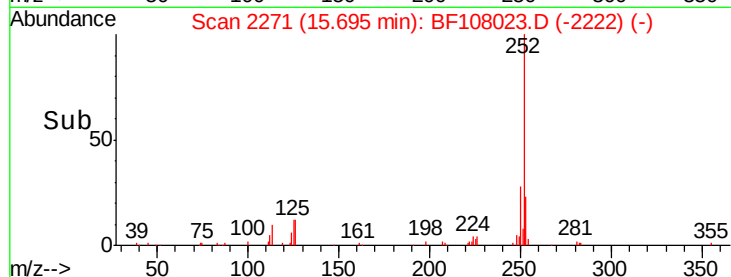
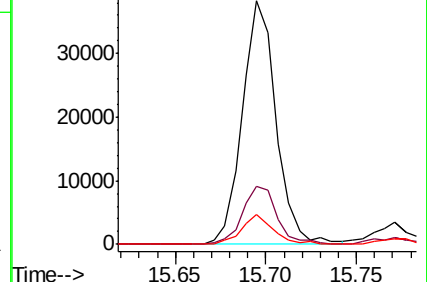
125 12.2 9.8 14.6



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



#90

Dibenzo(a,h)anthracene

Concen: 0.924 ng

RT: 17.39 min Scan# 2560

Delta R.T. -0.02 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

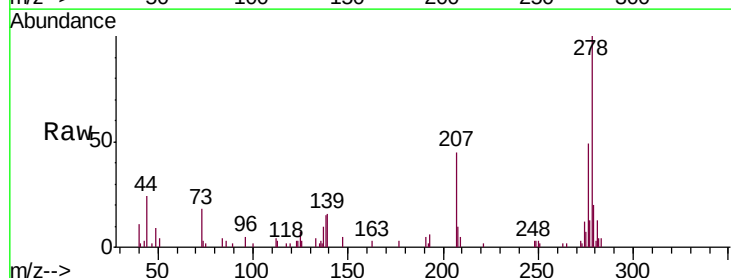
Tgt Ion:278 Resp: 37317

Ion Ratio Lower Upper

278 100

139 15.9 15.9 23.9#

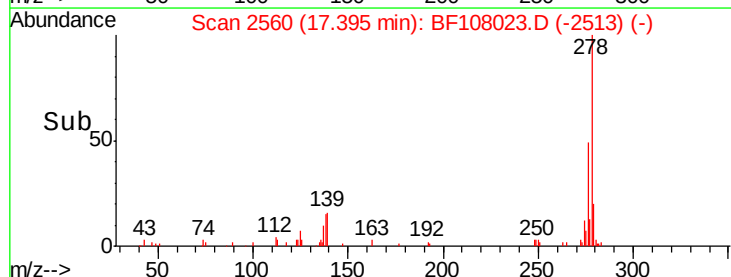
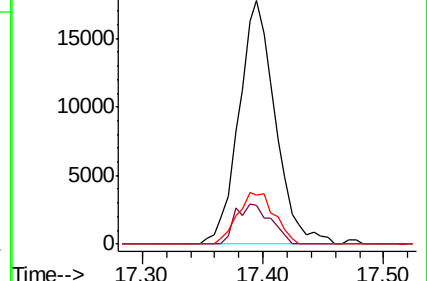
279 20.1 19.0 28.4

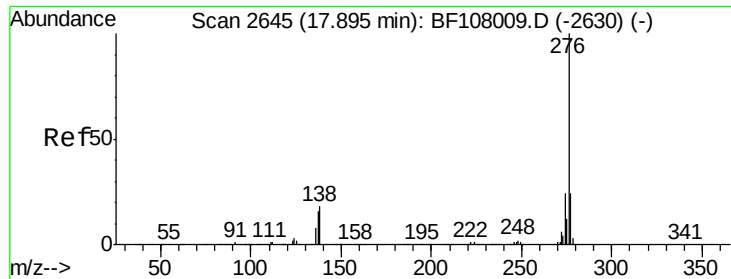


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 0.972 ng

RT: 17.86 min Scan# 2639

Delta R.T. -0.04 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tgt Ion: 276 Resp: 38621

Ion Ratio Lower Upper

276 100

277 26.6 17.9 26.9

138 18.4 21.8 32.8#

