

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022122\
 Data File : BF126969.D
 Acq On : 21 Feb 2022 13:06
 Operator : CG\JU
 Sample : M4068-03
 Misc : MDL-MDL-SOIL 8ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2021

Quant Time: Feb 21 14:09:39 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 21 13:16:57 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	89348	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	360833	20.000	ng	# 0.00
39) Acenaphthene-d10	9.963	164	190022	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	339937	20.000	ng	# 0.00
76) Chrysene-d12	14.092	240	277203	20.000	ng	# 0.00
86) Perylene-d12	15.592	264	263844	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.545	112	885597	153.194	ng	0.00
7) Phenol-d6	6.551	99	1181198	151.426	ng	0.00
23) Nitrobenzene-d5	7.487	82	676496	84.624	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	350071	160.007	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1091951	84.597	ng	0.00
79) Terphenyl-d14	13.039	244	1361855	72.221	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.728	88	20631	7.799	ng	96
3) Pyridine	3.552	79	48806	7.034	ng	# 86
4) n-Nitrosodimethylamine	3.452	42	27878	8.202	ng	# 67
6) Aniline	6.587	93	82715	8.950	ng	93
8) 2-Chlorophenol	6.710	128	50878	8.203	ng	95
9) Benzaldehyde	6.475	77	48272	10.166	ng	100
10) Phenol	6.557	94	64443	8.176	ng	# 59
11) bis(2-Chloroethyl)ether	6.657	93	49861	8.066	ng	94
12) 1,3-Dichlorobenzene	6.863	146	55984	8.367	ng	98
13) 1,4-Dichlorobenzene	6.940	146	58116	8.568	ng	99
14) 1,2-Dichlorobenzene	7.092	146	53937	8.338	ng	94
15) Benzyl Alcohol	7.057	79	62112	9.452	ng	94
16) 2,2'-oxybis(1-Chloropr...	7.192	45	75655	7.772	ng	99
17) 2-Methylphenol	7.163	107	43063	8.025	ng	96
18) Hexachloroethane	7.434	117	21322	8.200	ng	# 89
19) n-Nitroso-di-n-propyla...	7.322	70	41055	8.168	ng	# 93
20) 3+4-Methylphenols	7.316	107	57699	8.280	ng	90
22) Acetophenone	7.322	105	79479	8.366	ng	99
24) Nitrobenzene	7.498	77	62952	8.336	ng	92
25) Isophorone	7.734	82	111892	8.459	ng	# 97
26) 2-Nitrophenol	7.816	139	24762	7.701	ng	# 78
27) 2,4-Dimethylphenol	7.845	122	48391	9.161	ng	93
28) bis(2-Chloroethoxy)met...	7.945	93	62159	7.751	ng	98
29) 2,4-Dichlorophenol	8.051	162	40955	8.247	ng	99
30) 1,2,4-Trichlorobenzene	8.139	180	44930	8.093	ng	98
31) Naphthalene	8.222	128	158419	8.410	ng	99
32) Benzoic acid	7.910	122	19320	5.157	ng	# 73
33) 4-Chloroaniline	8.269	127	63709	8.593	ng	97
34) Hexachlorobutadiene	8.334	225	25841	7.972	ng	99
35) Caprolactam	8.610	113	13347	7.696	ng	98
36) 4-Chloro-3-methylphenol	8.739	107	50688	7.986	ng	95
37) 2-Methylnaphthalene	8.916	142	99044	8.103	ng	95
38) 1-Methylnaphthalene	9.016	142	98138	8.385	ng	98
40) 1,2,4,5-Tetrachloroben...	9.081	216	41236	8.244	ng	99
41) Hexachlorocyclopentadiene	9.063	237	20655	7.614	ng	95
43) 2,4,6-Trichlorophenol	9.186	196	27622	7.529	ng	96

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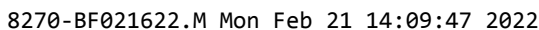
Instrument :
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.228	196	29055	7.526	ng	97
46) 1,1'-Biphenyl	9.381	154	125103	8.310	ng	97
47) 2-Chloronaphthalene	9.404	162	90857	8.138	ng	94
48) 2-Nitroaniline	9.498	65	33172	7.530	ng	99
49) Acenaphthylene	9.822	152	155840	8.593	ng	97
50) Dimethylphthalate	9.669	163	104881	7.722	ng	100
51) 2,6-Dinitrotoluene	9.739	165	22960	8.309	ng	98
52) Acenaphthene	9.992	154	94584	8.020	ng	95
53) 3-Nitroaniline	9.904	138	25940	7.679	ng	# 94
54) 2,4-Dinitrophenol	10.010	184	8556	5.850	ng	# 84
55) Dibenzofuran	10.163	168	130091	8.022	ng	92
56) 4-Nitrophenol	10.057	139	20029	8.028	ng	# 81
57) 2,4-Dinitrotoluene	10.139	165	30422	8.142	ng	# 96
58) Fluorene	10.510	166	102838	8.141	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.280	232	22213	7.258	ng	97
60) Diethylphthalate	10.375	149	112060	7.896	ng	99
61) 4-Chlorophenyl-phenyle...	10.498	204	48038	8.065	ng	97
62) 4-Nitroaniline	10.516	138	26196	7.853	ng	# 76
63) Azobenzene	10.663	77	120531	7.627	ng	93
65) 4,6-Dinitro-2-methylph...	10.545	198	12750	6.383	ng	79
66) n-Nitrosodiphenylamine	10.616	169	88289	7.921	ng	98
67) 4-Bromophenyl-phenylether	10.992	248	29245	7.700	ng	96
68) Hexachlorobenzene	11.051	284	32489	7.946	ng	# 89
69) Atrazine	11.139	200	29099	8.417	ng	94
70) Pentachlorophenol	11.245	266	15115	6.772	ng	96
71) Phenanthrene	11.475	178	159797	8.398	ng	99
72) Anthracene	11.522	178	161322	8.517	ng	99
73) Carbazole	11.680	167	141052	8.120	ng	99
74) Di-n-butylphthalate	12.004	149	177821	7.963	ng	99
75) Fluoranthene	12.663	202	158773	8.788	ng	95
77) Benzidine	12.786	184	86057	11.424	ng	99
78) Pyrene	12.892	202	162072	6.730	ng	99
80) Butylbenzylphthalate	13.504	149	75546	6.626	ng	94
81) Benzo(a)anthracene	14.080	228	144679	7.742	ng	99
82) 3,3'-Dichlorobenzidine	14.045	252	52663	8.942	ng	# 95
83) Chrysene	14.116	228	139858	7.958	ng	99
84) Bis(2-ethylhexyl)phtha...	14.063	149	106752	7.132	ng	# 96
85) Di-n-octyl phthalate	14.680	149	173114	8.033	ng	98
87) Indeno(1,2,3-cd)pyrene	17.109	276	125317	7.244	ng	# 87
88) Benzo(b)fluoranthene	15.145	252	136403	7.697	ng	# 93
89) Benzo(k)fluoranthene	15.174	252	138953	8.130	ng	# 95
90) Benzo(a)pyrene	15.527	252	129636	9.366	ng	# 93
91) Dibenzo(a,h)anthracene	17.127	278	109047	7.621	ng	# 93
92) Benzo(g,h,i)perylene	17.574	276	104854	7.433	ng	# 85

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

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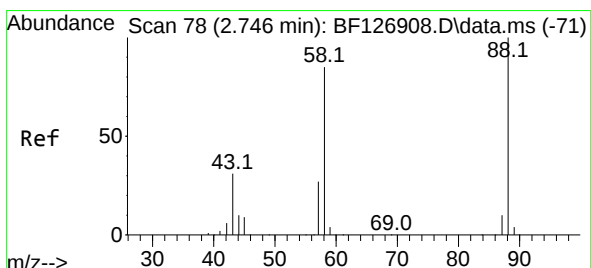
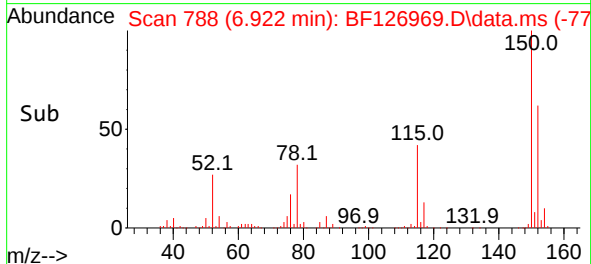
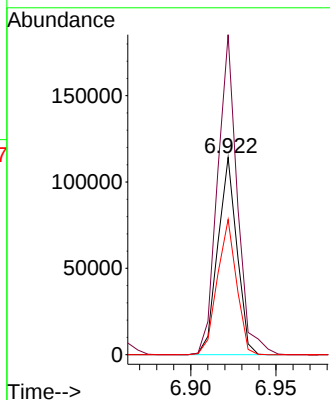
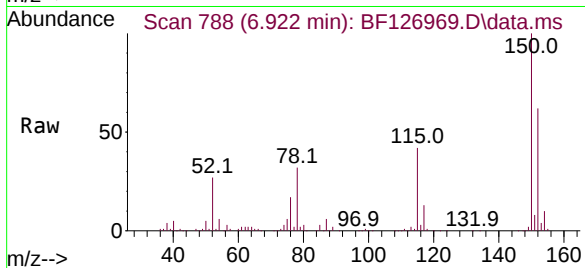




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.922 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: BF126969.D
 Acq: 21 Feb 2022 13:06

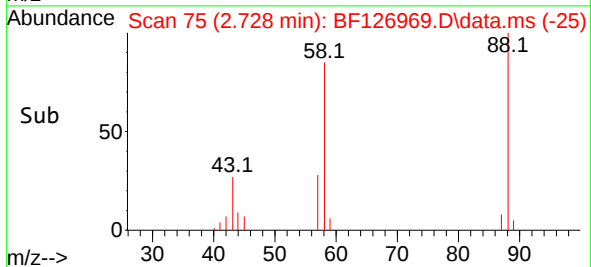
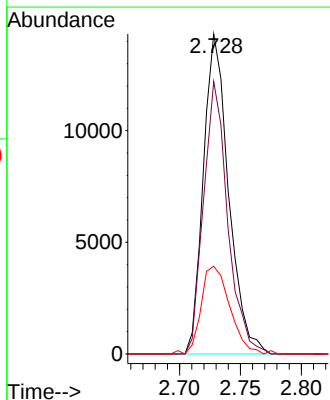
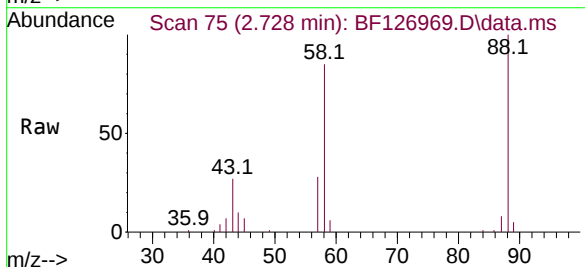
Instrument :
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 MDL-SOIL-03-QT4-2021

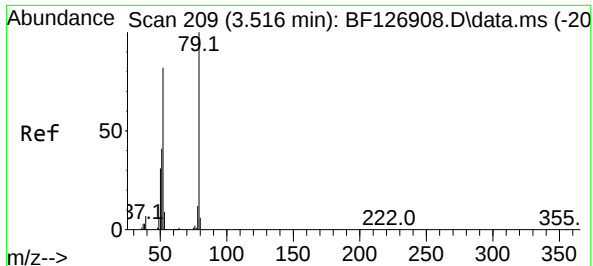
Tgt Ion:152 Resp: 89348
 Ion Ratio Lower Upper
 152 100
 150 162.2 128.1 192.1
 115 68.5 56.7 85.1



#2
 1,4-Dioxane
 Concen: 7.799 ng
 RT: 2.728 min Scan# 75
 Delta R.T. -0.006 min
 Lab File: BF126969.D
 Acq: 21 Feb 2022 13:06

Tgt Ion: 88 Resp: 20631
 Ion Ratio Lower Upper
 88 100
 58 81.3 62.8 94.2
 43 31.3 22.3 33.5

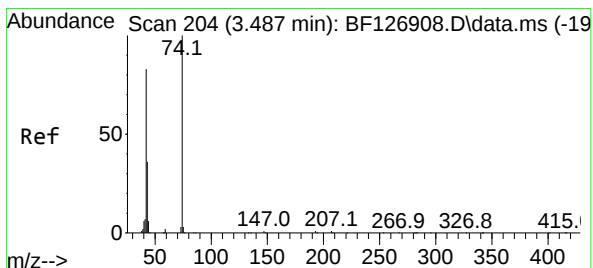
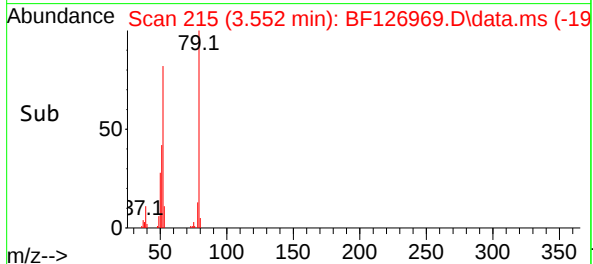
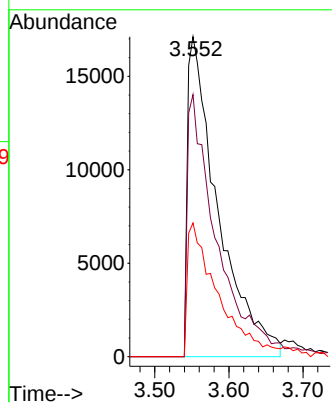
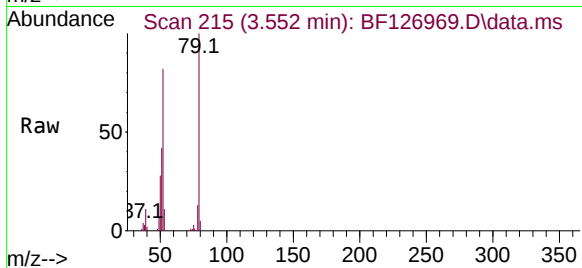




#3
Pyridine
Concen: 7.034 ng
RT: 3.552 min Scan# 215
Delta R.T. 0.041 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

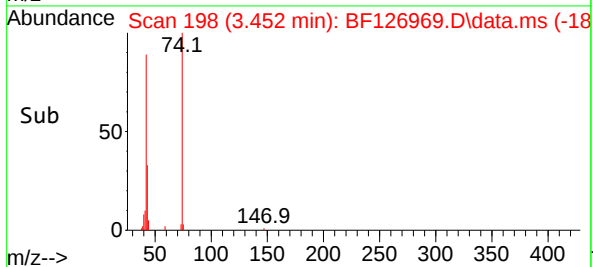
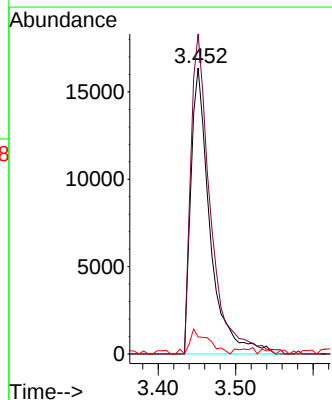
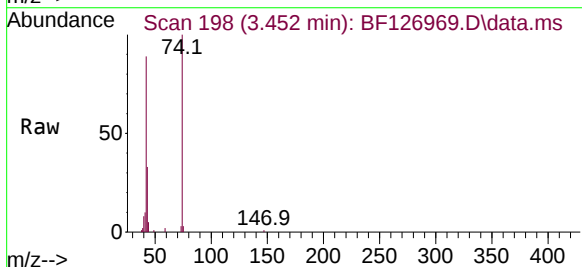
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

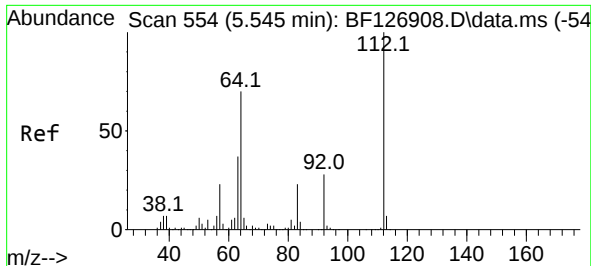
Tgt Ion: 79 Resp: 48806
Ion Ratio Lower Upper
79 100
52 81.9 56.2 84.4
51 41.8 26.7 40.1#



#4
n-Nitrosodimethylamine
Concen: 8.202 ng
RT: 3.452 min Scan# 198
Delta R.T. -0.024 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

Tgt Ion: 42 Resp: 27878
Ion Ratio Lower Upper
42 100
74 111.9 125.6 188.4#
44 6.0 5.7 8.5

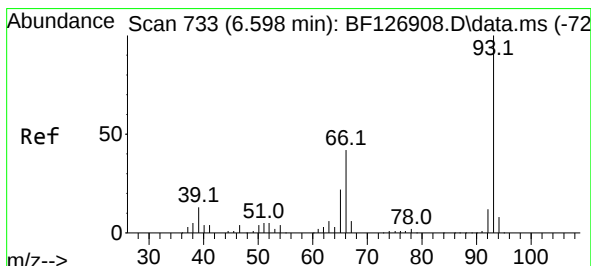
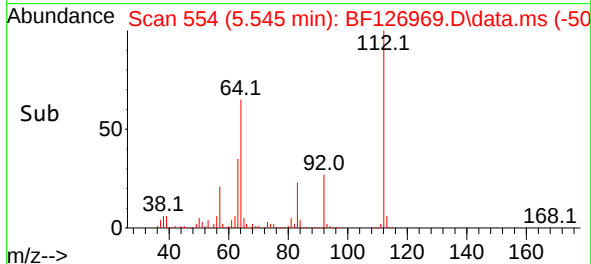
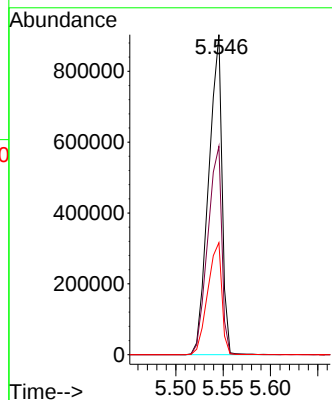
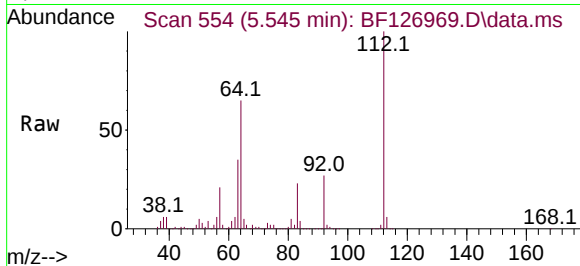




#5
2-Fluorophenol
Concen: 153.194 ng
RT: 5.545 min Scan# 511
Delta R.T. 0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

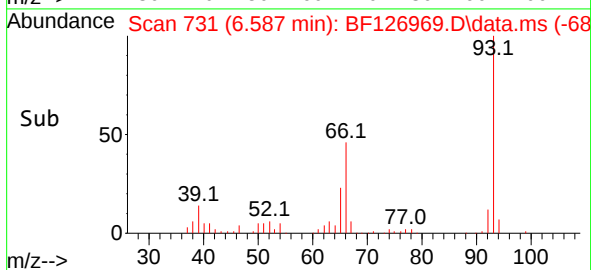
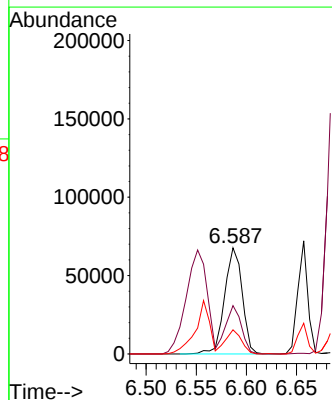
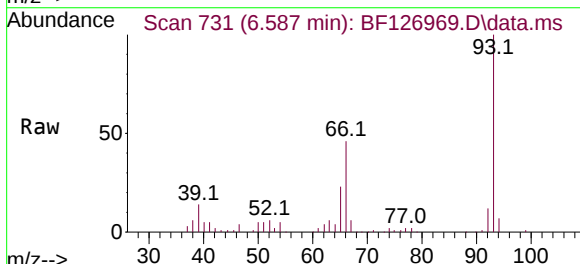
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

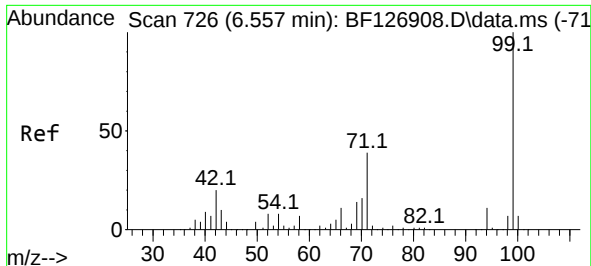
Tgt Ion:112 Resp: 885597
Ion Ratio Lower Upper
112 100
64 65.1 49.5 74.3
63 35.0 23.9 35.9



#6
Aniline
Concen: 8.950 ng
RT: 6.587 min Scan# 731
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

Tgt Ion: 93 Resp: 82715
Ion Ratio Lower Upper
93 100
66 45.6 32.2 48.4
65 22.8 16.3 24.5





#7

Phenol-d6

Concen: 151.426 ng

RT: 6.551 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF126969.D

Acq: 21 Feb 2022 13:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

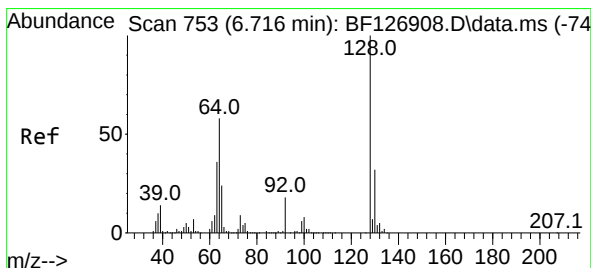
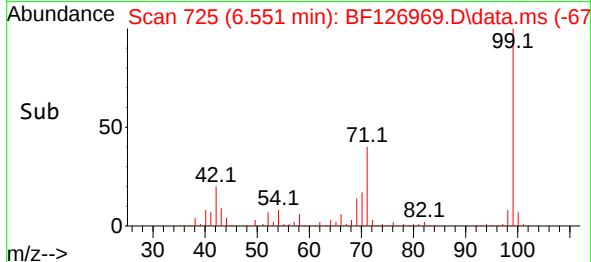
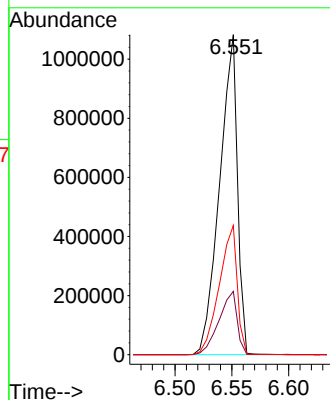
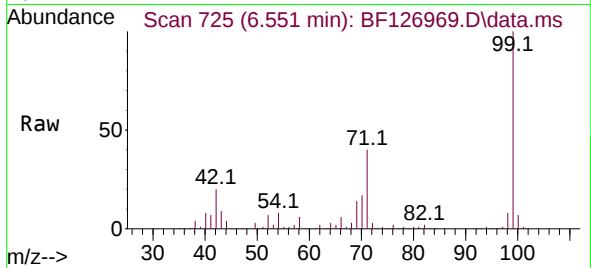
Tgt Ion: 99 Resp: 1181198

Ion Ratio Lower Upper

99 100

42 19.8 14.2 21.4

71 40.4 24.3 36.5#



#8

2-Chlorophenol

Concen: 8.203 ng

RT: 6.710 min Scan# 752

Delta R.T. 0.000 min

Lab File: BF126969.D

Acq: 21 Feb 2022 13:06

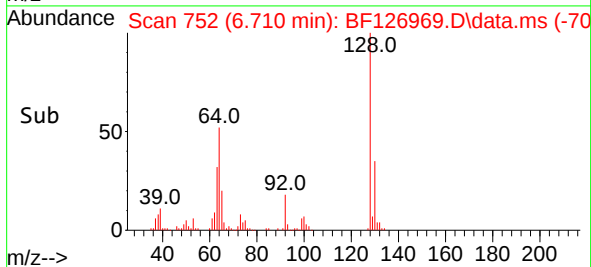
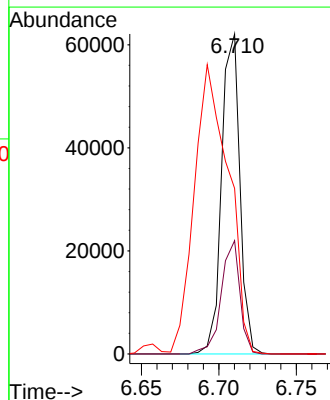
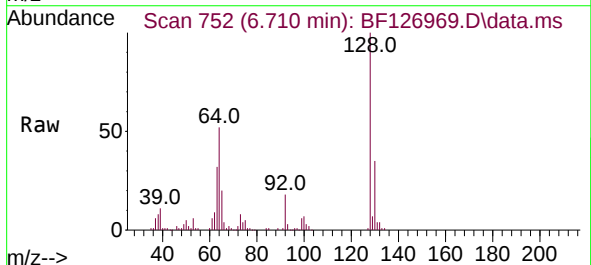
Tgt Ion:128 Resp: 50878

Ion Ratio Lower Upper

128 100

130 35.4 12.7 52.7

64 51.8 35.6 75.6

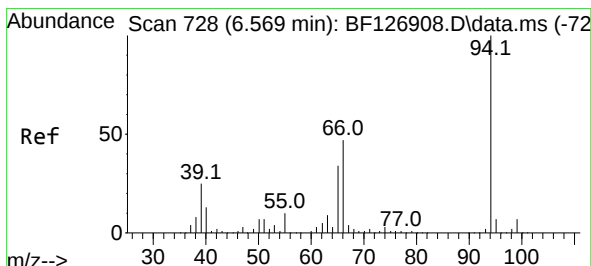
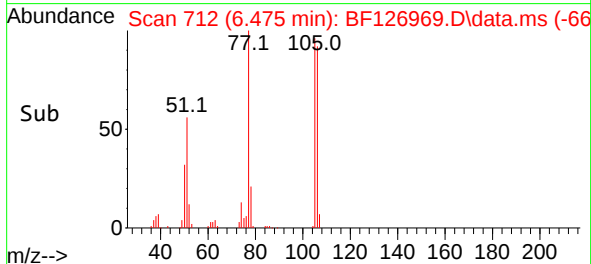
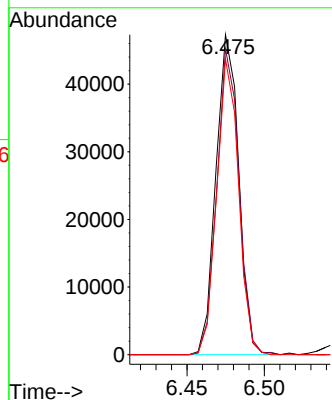
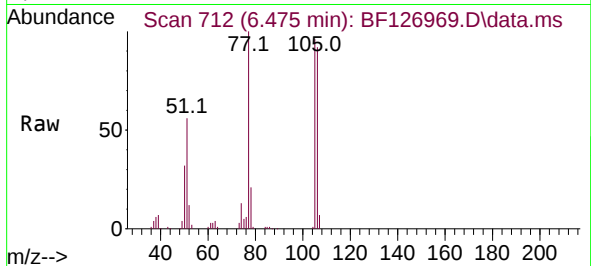




#9
Benzaldehyde
Concen: 10.166 ng
RT: 6.475 min Scan# 714
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

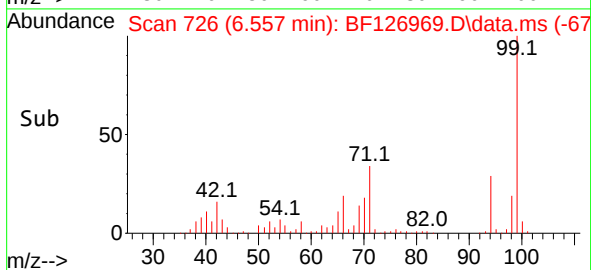
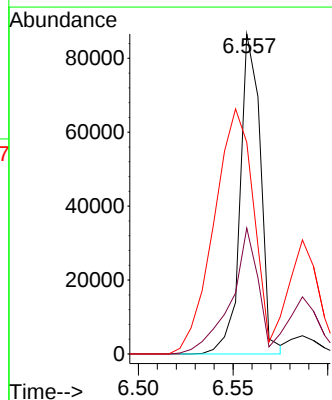
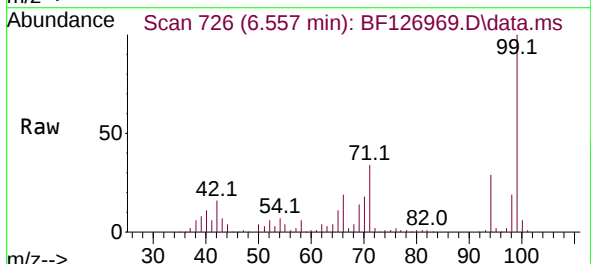
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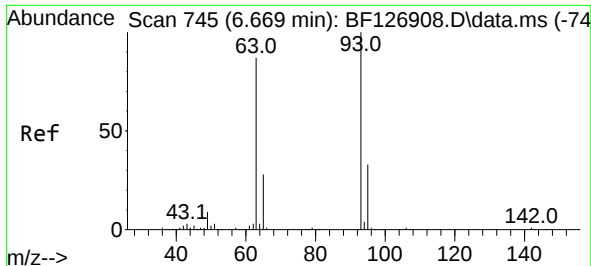
Tgt Ion: 77 Resp: 48272
Ion Ratio Lower Upper
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105 95.6 74.9 114.9
106 92.4 72.4 112.4



#10
Phenol
Concen: 8.176 ng
RT: 6.557 min Scan# 726
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

Tgt Ion: 94 Resp: 64443
Ion Ratio Lower Upper
94 100
65 39.4 7.2 47.2
66 66.2 14.5 54.5#

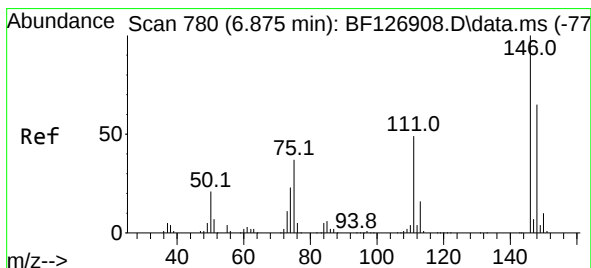
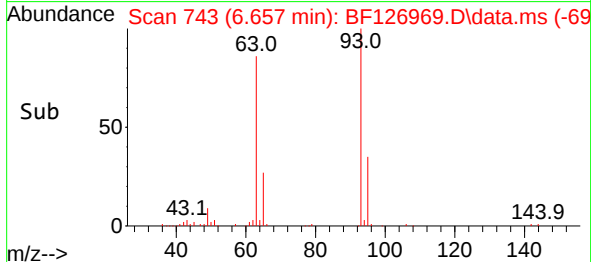
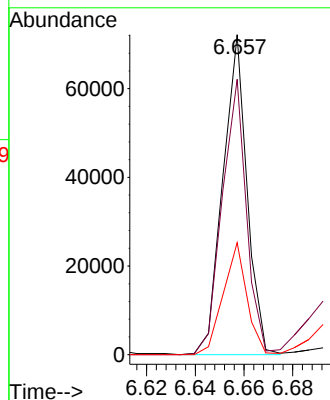
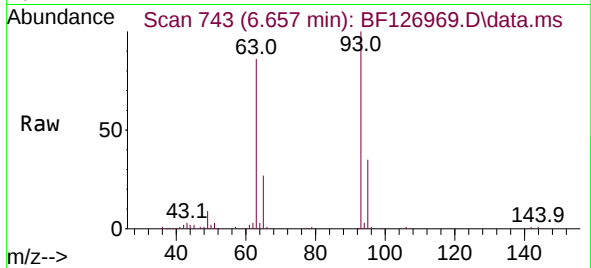




#11
bis(2-Chloroethyl)ether
Concen: 8.066 ng
RT: 6.657 min Scan# 745
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

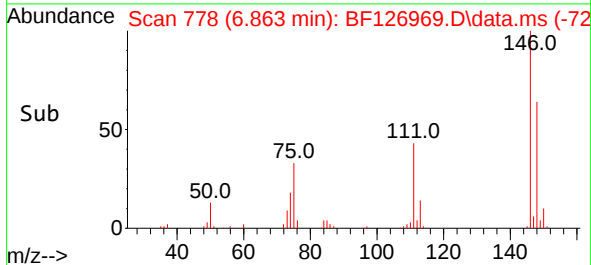
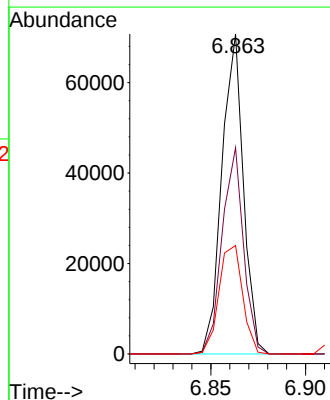
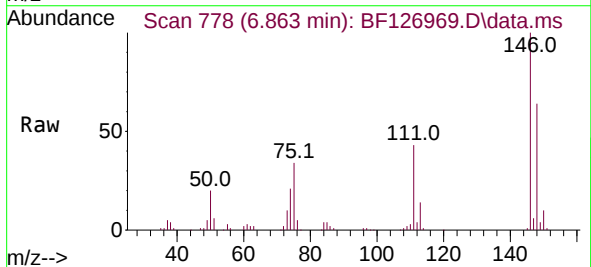
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

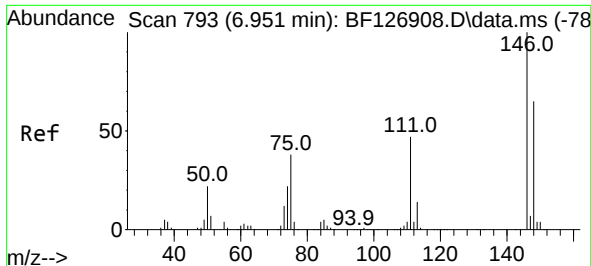
Tgt Ion: 93	Resp: 49861
Ion Ratio	Lower Upper
93 100	
63 86.0	60.5 100.5
95 35.0	12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 8.367 ng
RT: 6.863 min Scan# 778
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

Tgt Ion:146	Resp: 55984		
Ion Ratio	Lower	Upper	
146 100			
148 64.4	50.9	76.3	
75 33.9	28.4	42.6	





#13

1,4-Dichlorobenzene

Concen: 8.568 ng

RT: 6.940 min Scan# 793

Delta R.T. 0.000 min

Lab File: BF126969.D

Acq: 21 Feb 2022 13:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

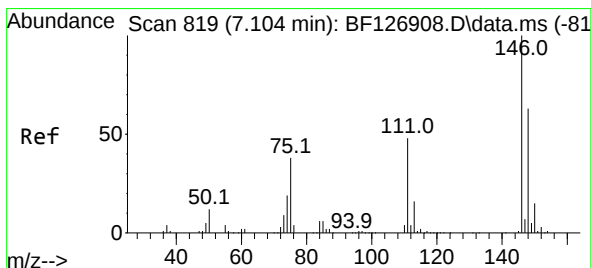
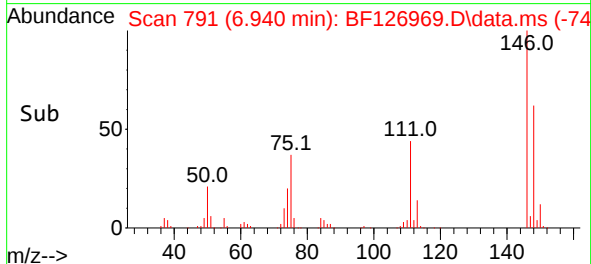
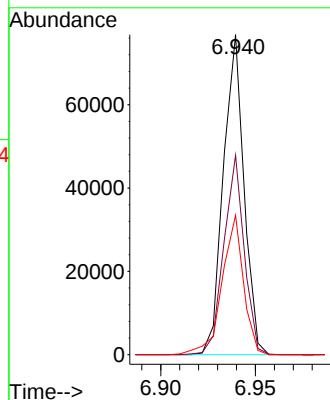
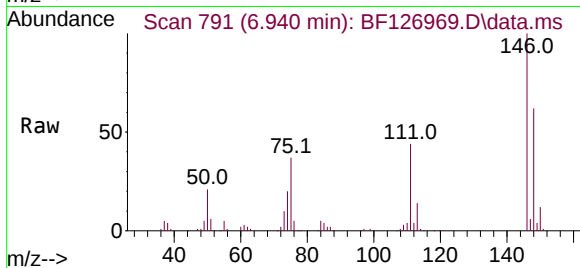
Tgt Ion:146 Resp: 58116

Ion Ratio Lower Upper

146 100

148 62.4 49.8 74.6

111 43.6 36.1 54.1



#14

1,2-Dichlorobenzene

Concen: 8.338 ng

RT: 7.092 min Scan# 817

Delta R.T. 0.000 min

Lab File: BF126969.D

Acq: 21 Feb 2022 13:06

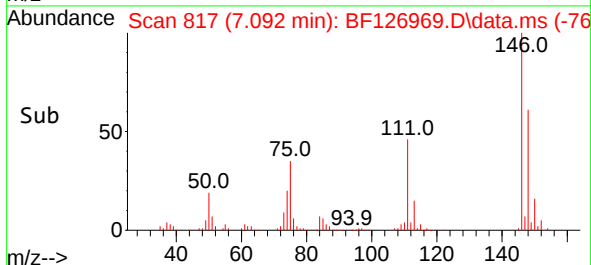
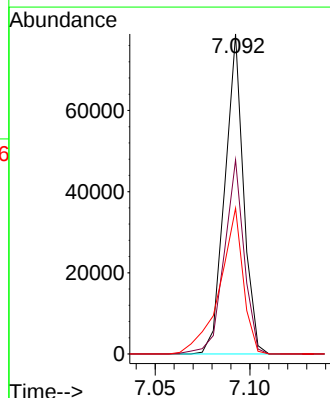
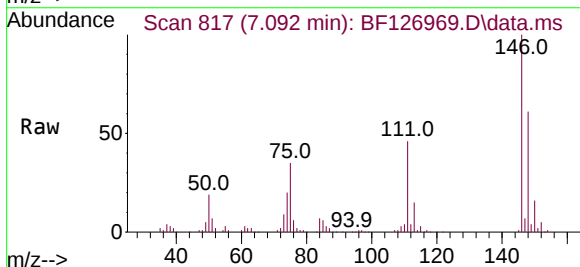
Tgt Ion:146 Resp: 53937

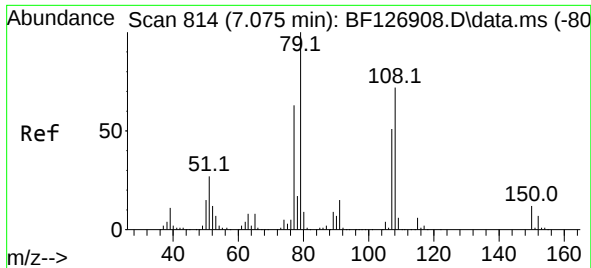
Ion Ratio Lower Upper

146 100

148 60.6 51.6 77.4

111 45.5 40.2 60.2

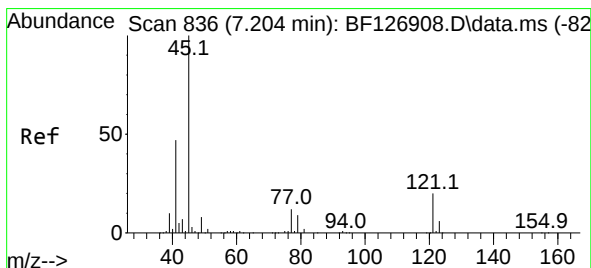
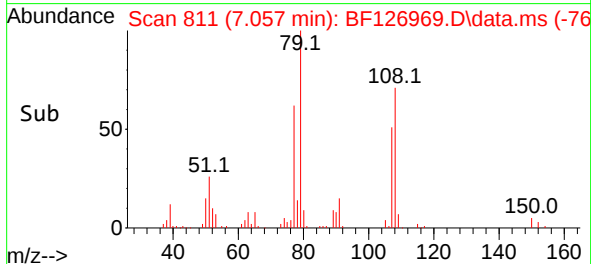
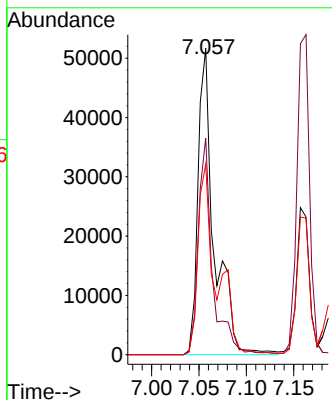
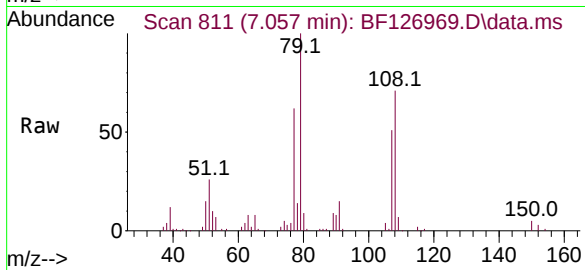




#15
Benzyl Alcohol
Concen: 9.452 ng
RT: 7.057 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

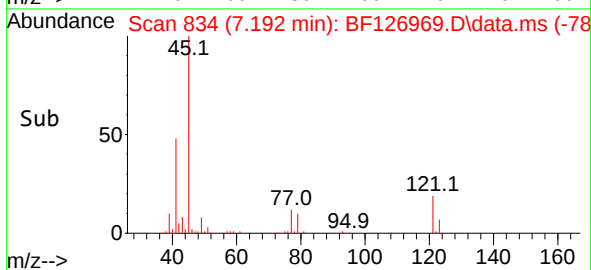
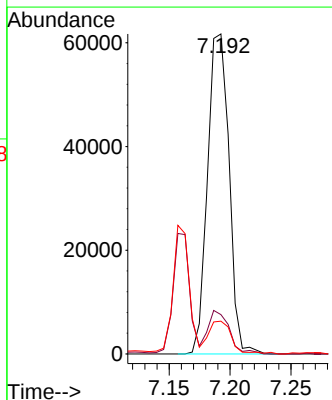
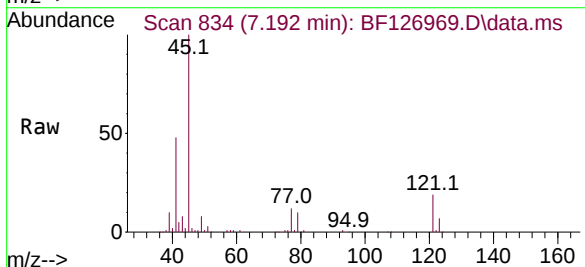
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

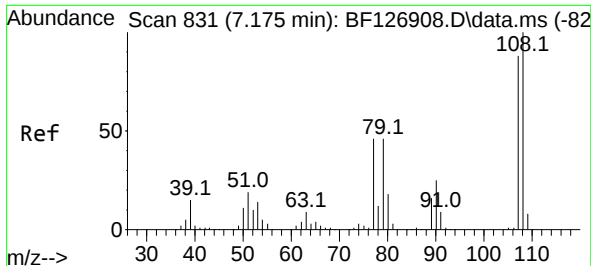
Tgt Ion: 79 Resp: 62112
Ion Ratio Lower Upper
79 100
108 70.7 63.2 94.8
77 62.3 49.4 74.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.772 ng
RT: 7.192 min Scan# 834
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

Tgt Ion: 45 Resp: 75655
Ion Ratio Lower Upper
45 100
77 12.3 0.0 32.4
79 10.3 0.0 29.8

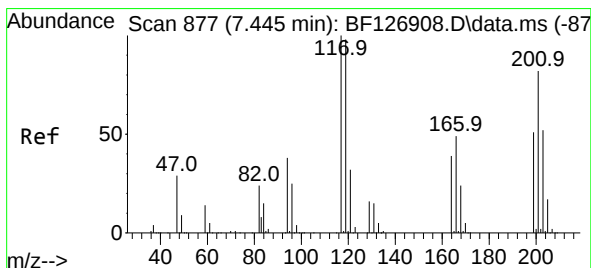
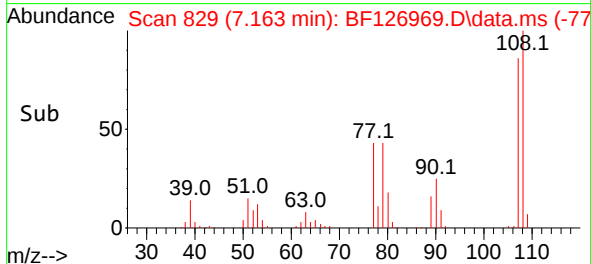
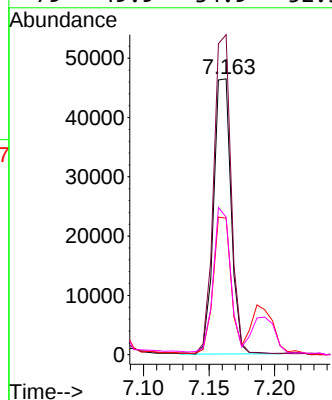
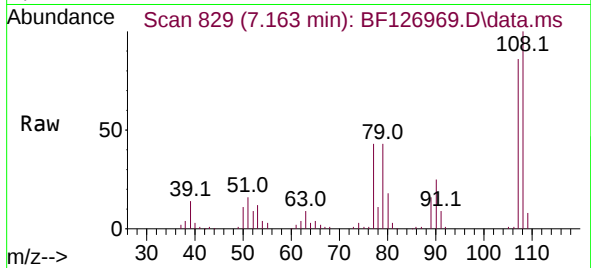




#17
2-Methylphenol
Concen: 8.025 ng
RT: 7.163 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

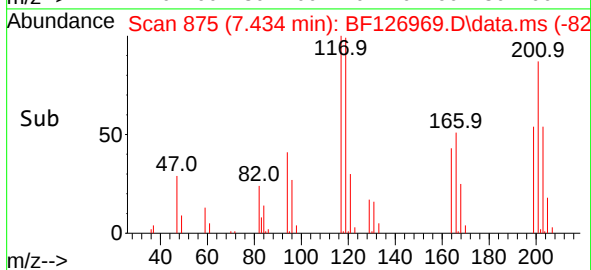
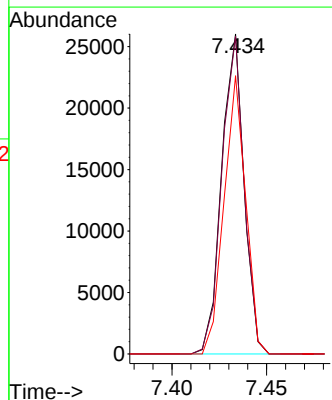
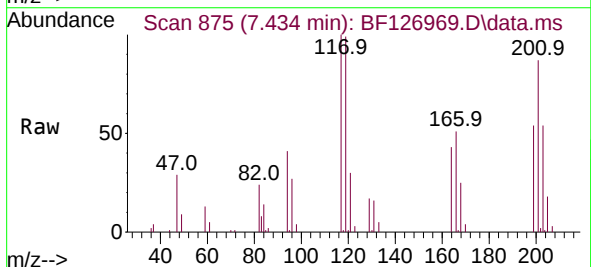
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

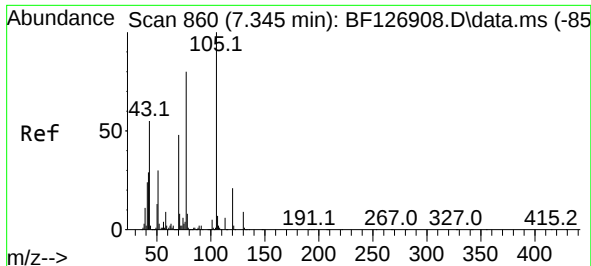
Tgt Ion:107 Resp: 43063
Ion Ratio Lower Upper
107 100
108 116.0 93.4 140.0
77 49.5 36.1 54.1
79 49.9 34.9 52.3



#18
Hexachloroethane
Concen: 8.200 ng
RT: 7.434 min Scan# 875
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

Tgt Ion:117 Resp: 21322
Ion Ratio Lower Upper
117 100
119 99.4 75.4 113.0
201 87.0 56.8 85.2#

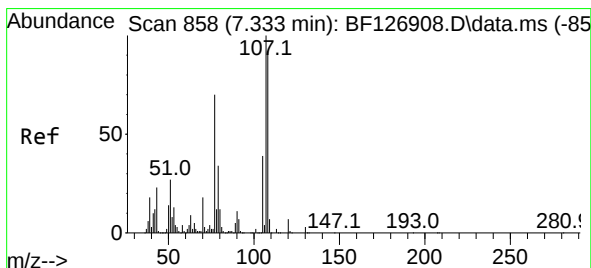
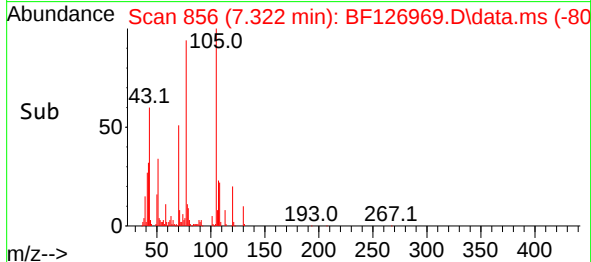
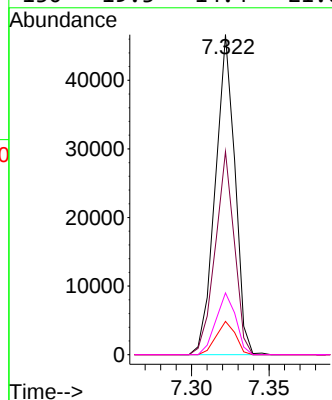
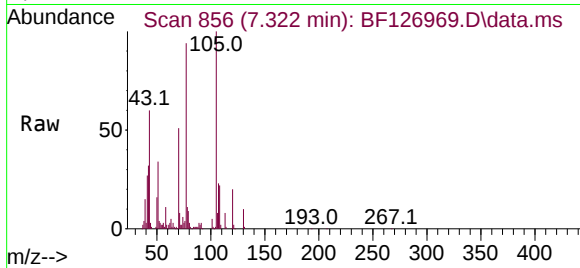




#19
n-Nitroso-di-n-propylamine
Concen: 8.168 ng
RT: 7.322 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

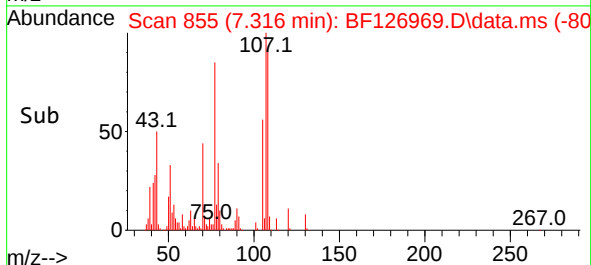
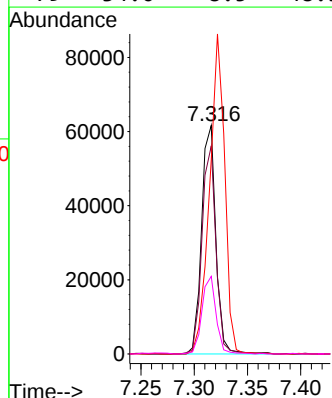
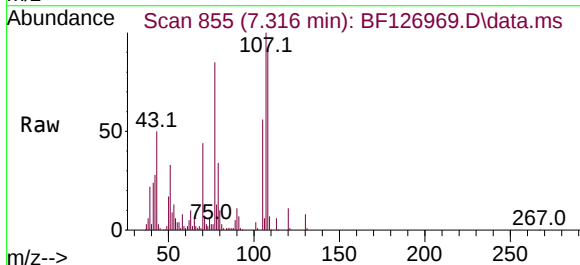
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

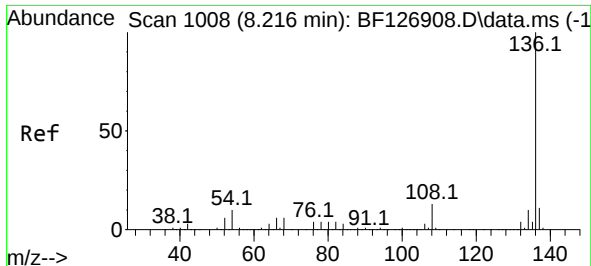
Tgt Ion:	70	Resp:	41055
Ion	Ratio	Lower	Upper
70	100		
42	63.5	45.8	68.8
101	10.4	6.9	10.3
130	19.3	14.4	21.6



#20
3+4-Methylphenols
Concen: 8.280 ng
RT: 7.316 min Scan# 855
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

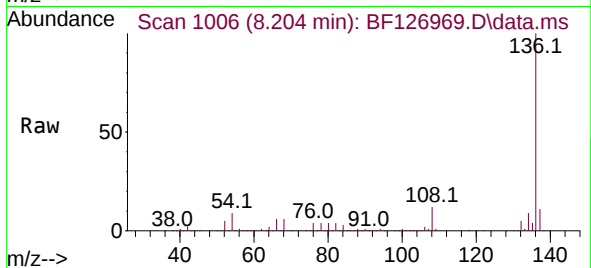
Tgt Ion:	107	Resp:	57699
Ion	Ratio	Lower	Upper
107	100		
108	91.0	72.4	112.4
77	85.0	83.8	123.8
79	34.0	8.5	48.5



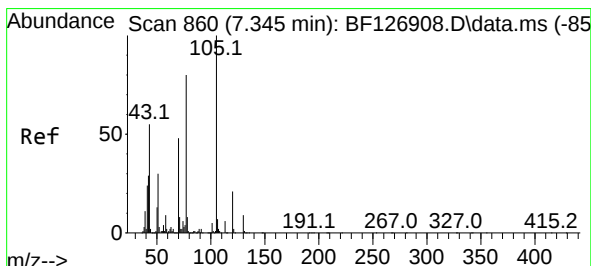
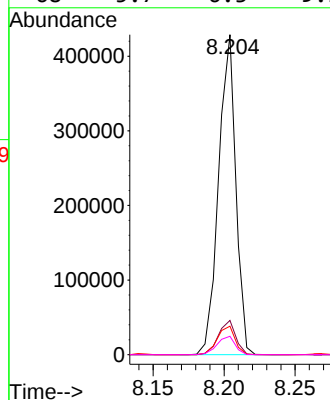
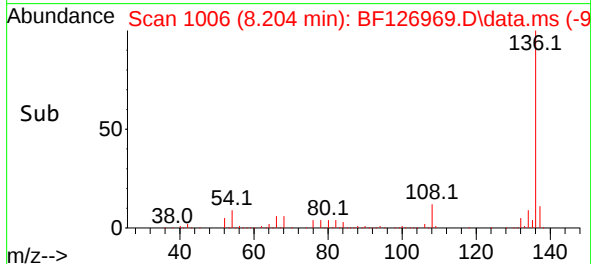


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1006
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

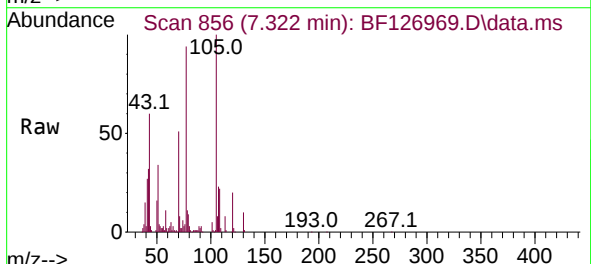
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



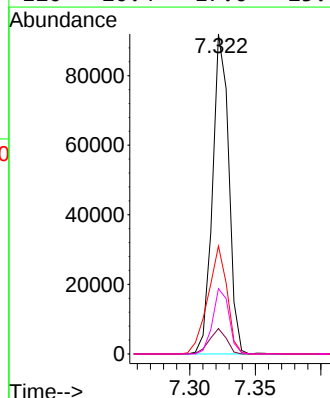
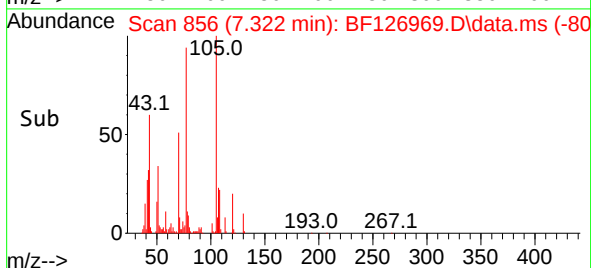
Tgt Ion:136 Resp: 360833
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.9 7.8 11.6
68 5.7 6.3 9.5#

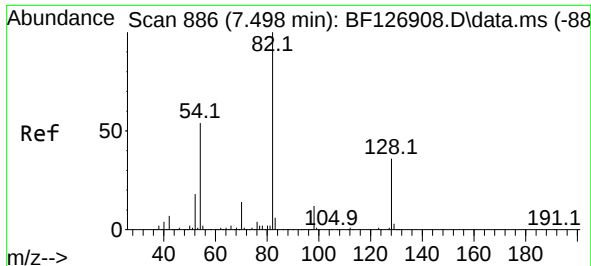


#22
Acetophenone
Concen: 8.366 ng
RT: 7.322 min Scan# 856
Delta R.T. -0.012 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06



Tgt Ion:105 Resp: 79479
Ion Ratio Lower Upper
105 100
71 8.0 5.4 8.0
51 33.8 27.4 41.0
120 20.4 17.0 25.6

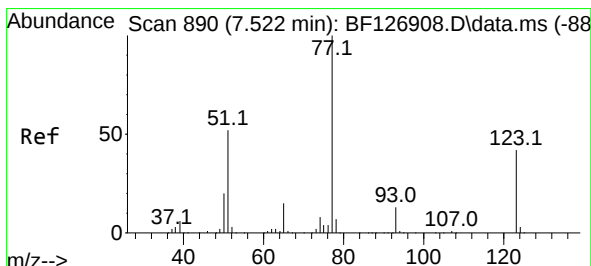
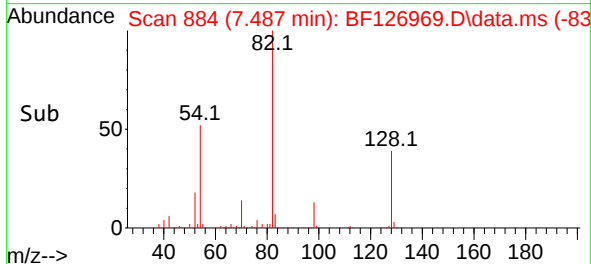
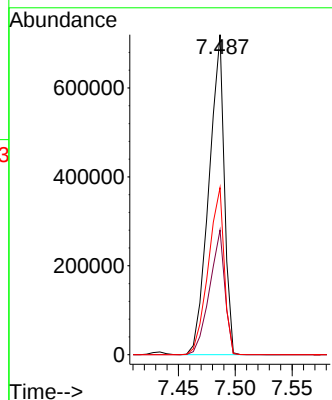
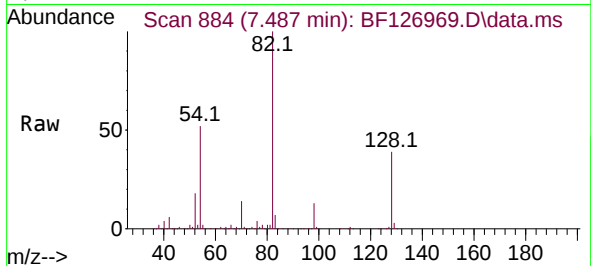




#23
Nitrobenzene-d5
Concen: 84.624 ng
RT: 7.487 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

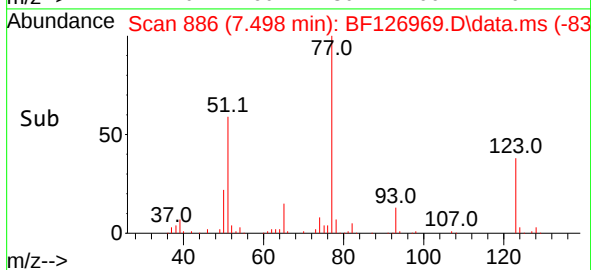
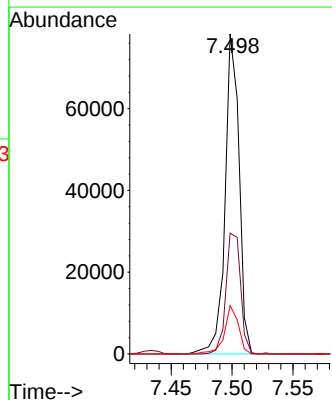
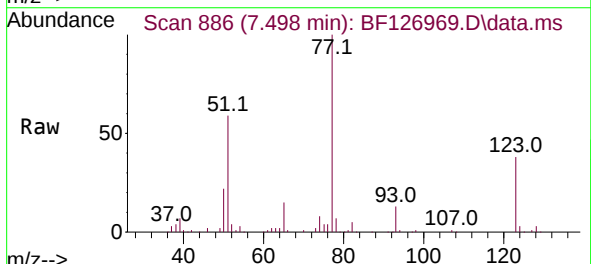
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

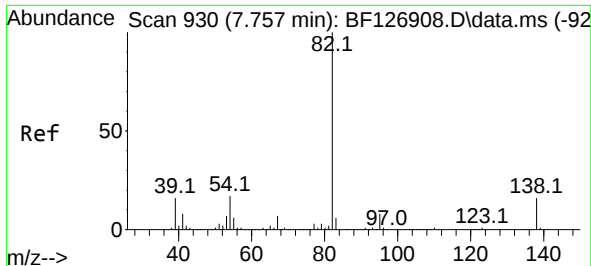
Tgt Ion: 82 Resp: 676496
Ion Ratio Lower Upper
82 100
128 39.0 32.7 49.1
54 52.2 41.7 62.5



#24
Nitrobenzene
Concen: 8.336 ng
RT: 7.498 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

Tgt Ion: 77 Resp: 62952
Ion Ratio Lower Upper
77 100
123 37.8 34.6 52.0
65 15.1 10.6 15.8

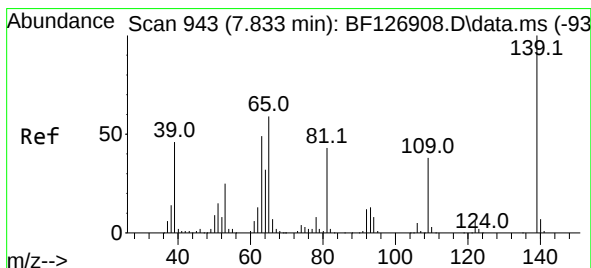
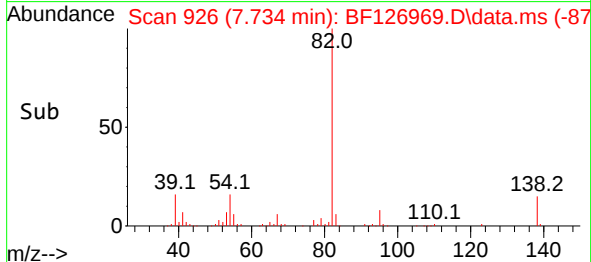
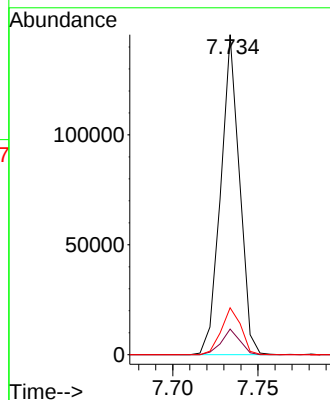
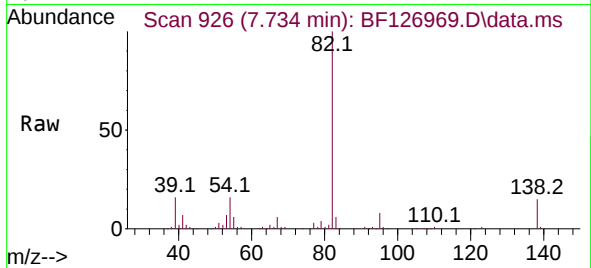




#25
Isophorone
Concen: 8.459 ng
RT: 7.734 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

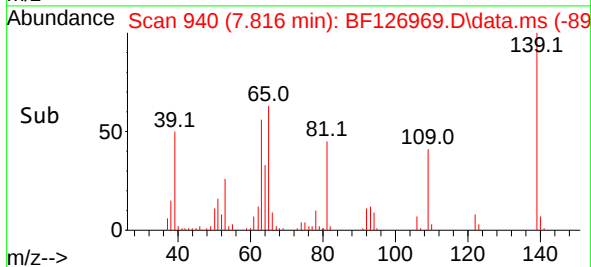
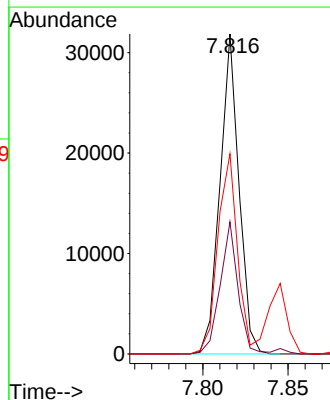
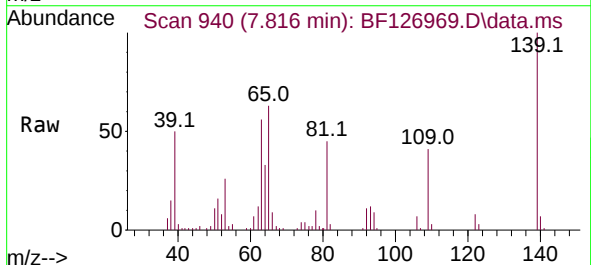
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

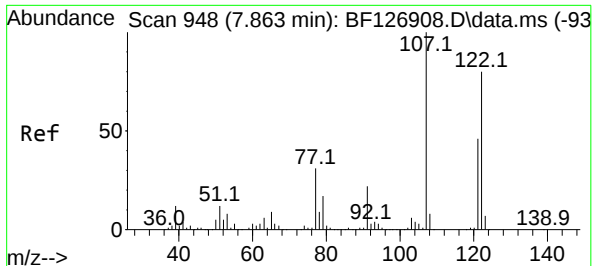
Tgt Ion: 82 Resp: 111892
Ion Ratio Lower Upper
82 100
95 8.0 5.0 7.4#
138 14.6 12.3 18.5



#26
2-Nitrophenol
Concen: 7.701 ng
RT: 7.816 min Scan# 940
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

Tgt Ion: 139 Resp: 24762
Ion Ratio Lower Upper
139 100
109 41.3 20.0 30.0#
65 62.5 40.8 61.2#





#27

2,4-Dimethylphenol

Concen: 9.161 ng

RT: 7.845 min Scan# 94

Delta R.T. -0.006 min

Lab File: BF126969.D

Acq: 21 Feb 2022 13:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

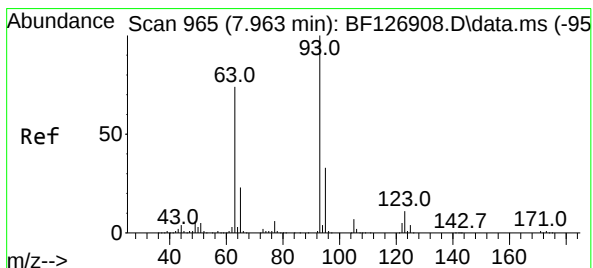
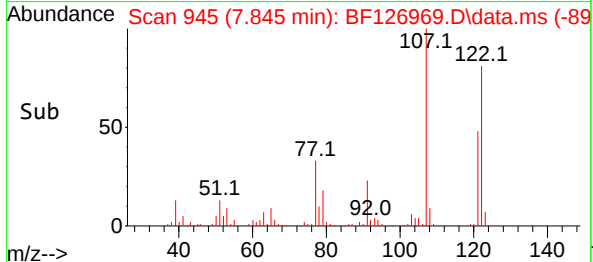
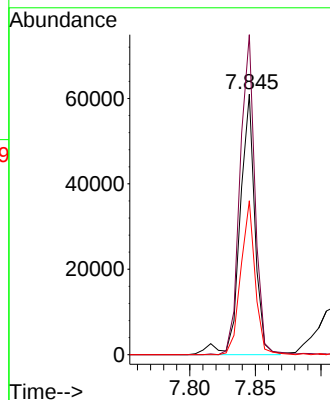
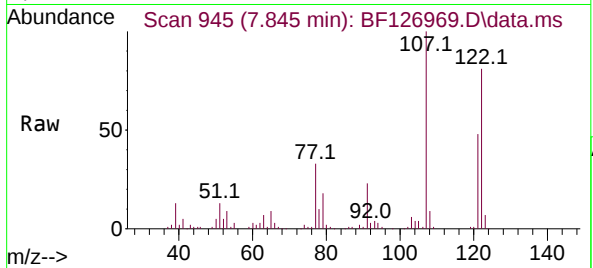
Tgt Ion:122 Resp: 48391

Ion Ratio Lower Upper

122 100

107 122.9 91.2 136.8

121 59.1 44.4 66.6



#28

bis(2-Chloroethoxy)methane

Concen: 7.751 ng

RT: 7.945 min Scan# 962

Delta R.T. -0.006 min

Lab File: BF126969.D

Acq: 21 Feb 2022 13:06

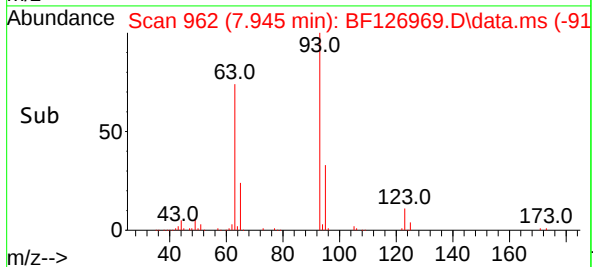
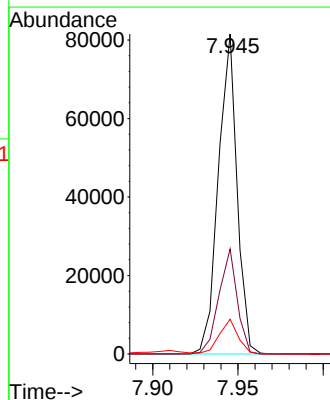
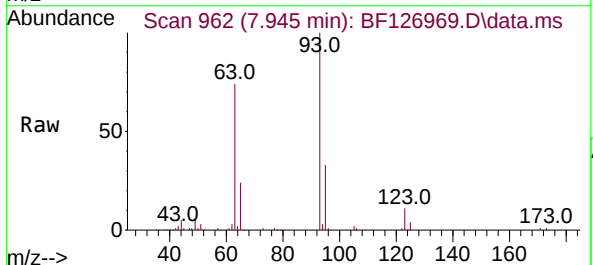
Tgt Ion: 93 Resp: 62159

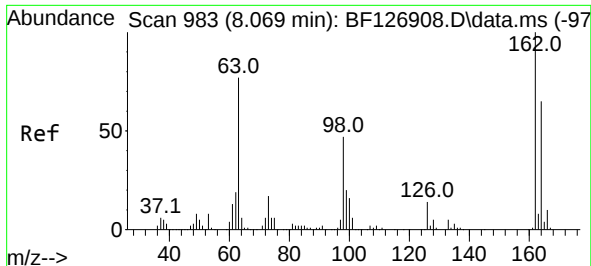
Ion Ratio Lower Upper

93 100

95 32.9 25.4 38.2

123 10.8 8.9 13.3





#29

2,4-Dichlorophenol

Concen: 8.247 ng

RT: 8.051 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF126969.D

Acq: 21 Feb 2022 13:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

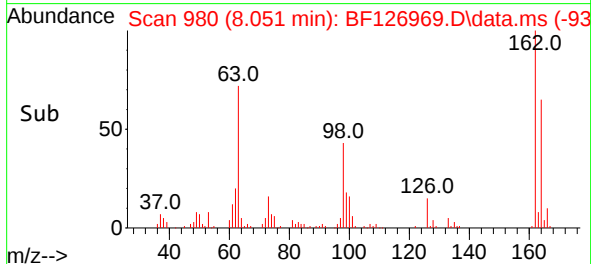
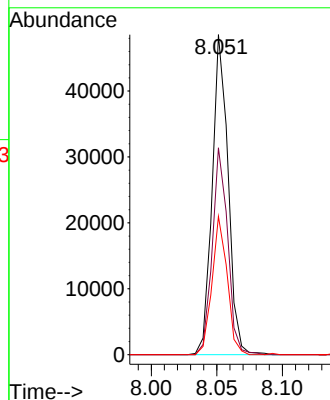
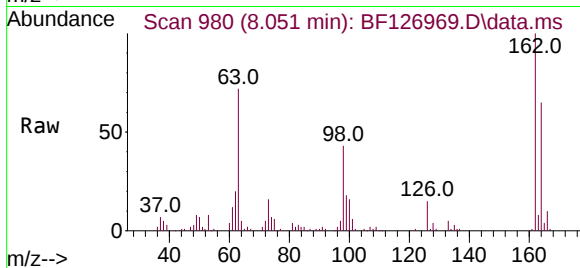
Tgt Ion:162 Resp: 40955

Ion Ratio Lower Upper

162 100

164 64.7 43.8 83.8

98 43.2 23.6 63.6



#30

1,2,4-Trichlorobenzene

Concen: 8.093 ng

RT: 8.139 min Scan# 995

Delta R.T. -0.006 min

Lab File: BF126969.D

Acq: 21 Feb 2022 13:06

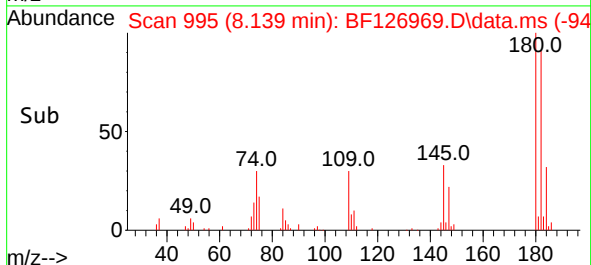
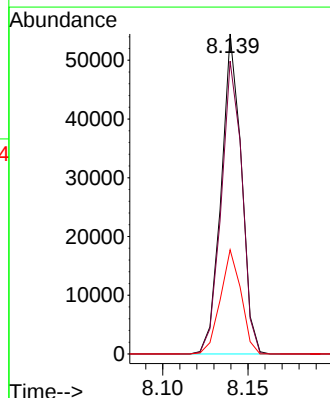
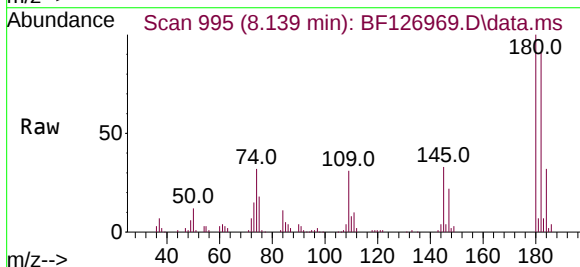
Tgt Ion:180 Resp: 44930

Ion Ratio Lower Upper

180 100

182 91.5 75.5 113.3

145 32.5 26.2 39.2

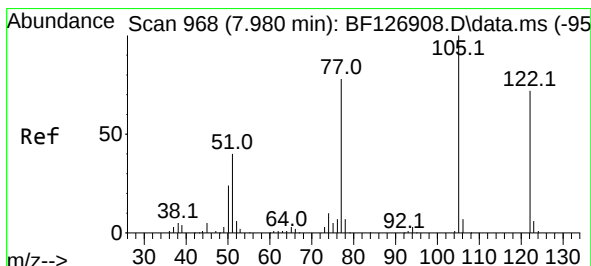
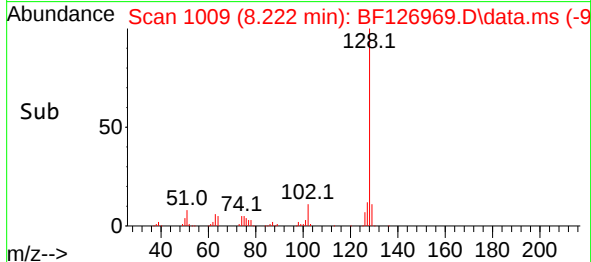
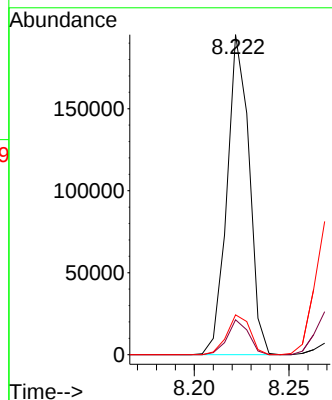
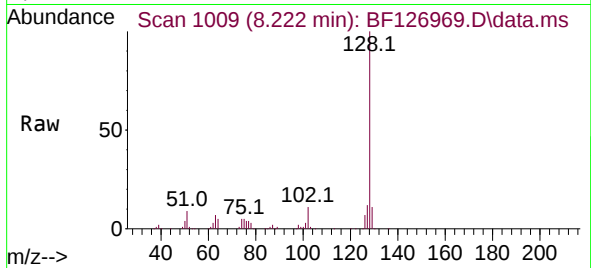




#31
Naphthalene
Concen: 8.410 ng
RT: 8.222 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

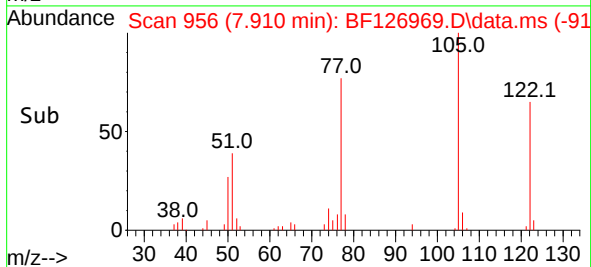
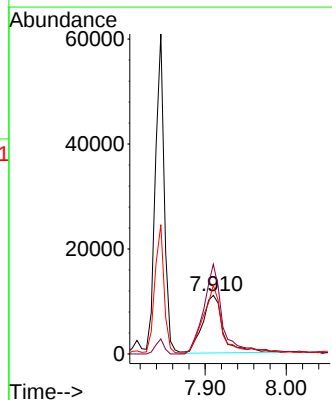
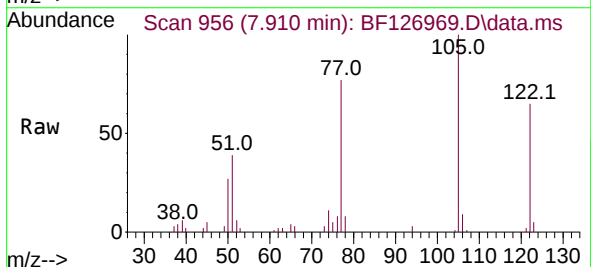
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

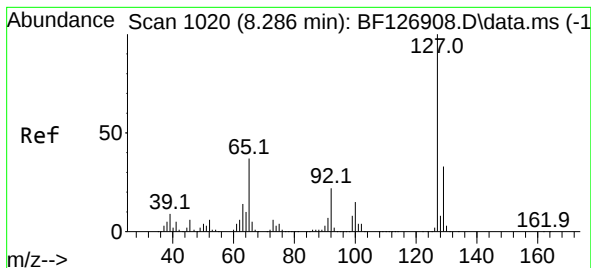
Tgt Ion:128 Resp: 158419
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 12.5 10.3 15.5



#32
Benzoic acid
Concen: 5.157 ng
RT: 7.910 min Scan# 956
Delta R.T. -0.059 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

Tgt Ion:122 Resp: 19320
Ion Ratio Lower Upper
122 100
105 153.4 101.0 141.0#
77 117.7 74.5 114.5#





#33

4-Chloroaniline

Concen: 8.593 ng

RT: 8.269 min Scan# 1017

Delta R.T. -0.006 min

Lab File: BF126969.D

Acq: 21 Feb 2022 13:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

Tgt Ion:127 Resp: 63709

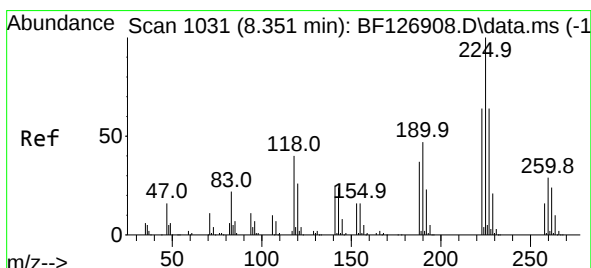
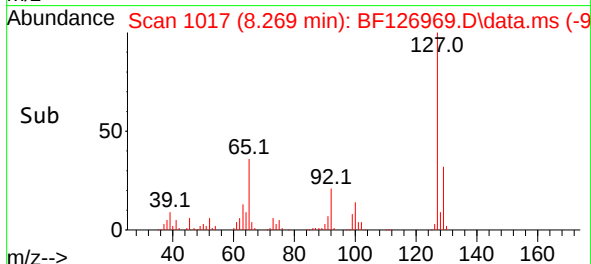
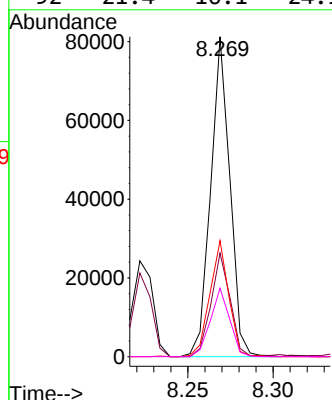
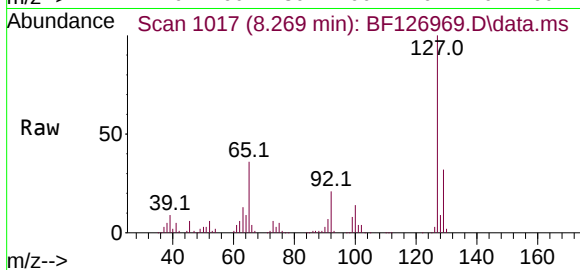
Ion Ratio Lower Upper

127 100

129 32.3 26.5 39.7

65 36.2 26.6 39.8

92 21.4 16.1 24.1



#34

Hexachlorobutadiene

Concen: 7.972 ng

RT: 8.334 min Scan# 1028

Delta R.T. -0.006 min

Lab File: BF126969.D

Acq: 21 Feb 2022 13:06

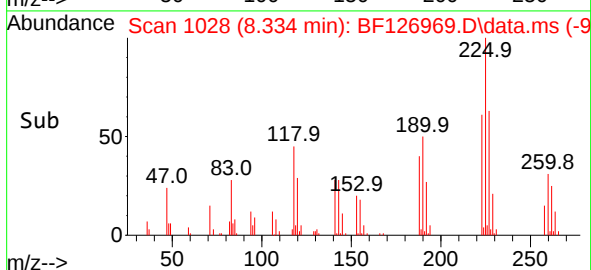
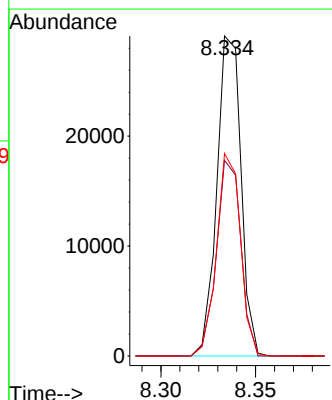
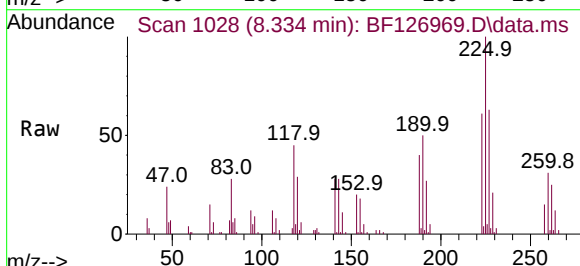
Tgt Ion:225 Resp: 25841

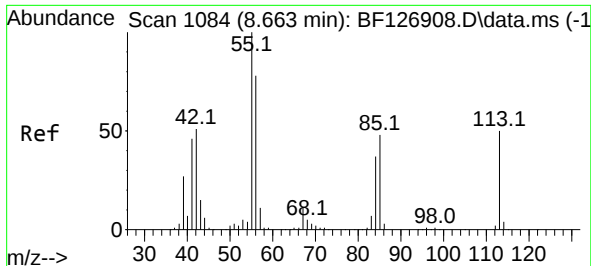
Ion Ratio Lower Upper

225 100

223 61.1 48.6 73.0

227 63.2 51.4 77.0

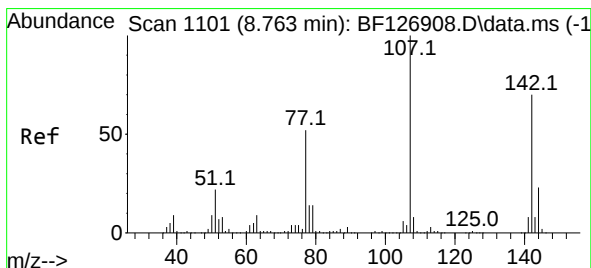
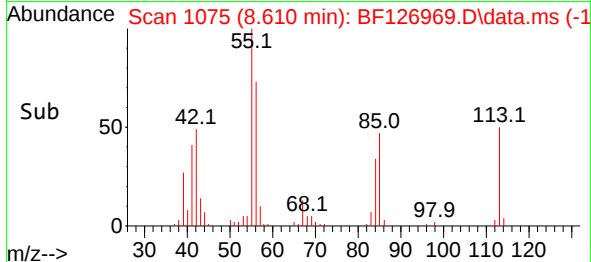
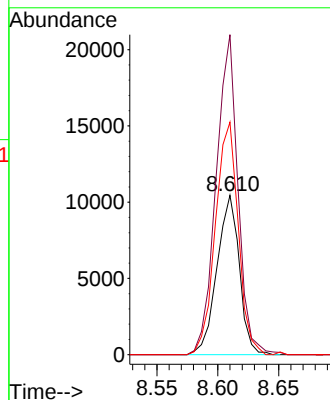
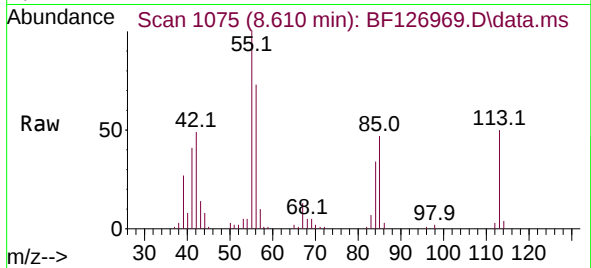




#35
 Caprolactam
 Concen: 7.696 ng
 RT: 8.610 min Scan# 1097
 Delta R.T. -0.041 min
 Lab File: BF126969.D
 Acq: 21 Feb 2022 13:06

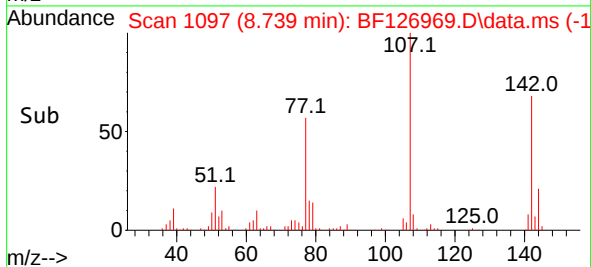
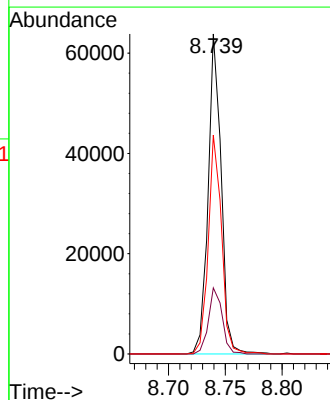
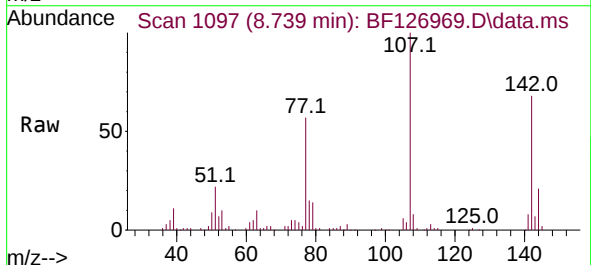
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2021

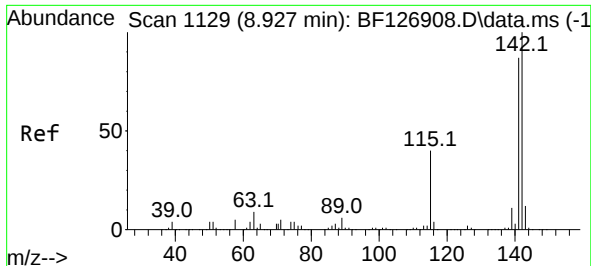
Tgt Ion:113 Resp: 13347
 Ion Ratio Lower Upper
 113 100
 55 200.9 183.9 223.9
 56 145.9 129.9 169.9



#36
 4-Chloro-3-methylphenol
 Concen: 7.986 ng
 RT: 8.739 min Scan# 1097
 Delta R.T. -0.012 min
 Lab File: BF126969.D
 Acq: 21 Feb 2022 13:06

Tgt Ion:107 Resp: 50688
 Ion Ratio Lower Upper
 107 100
 144 20.6 18.5 27.7
 142 68.4 58.1 87.1





#37

2-Methylnaphthalene

Concen: 8.103 ng

RT: 8.916 min Scan# 1127

Delta R.T. 0.000 min

Lab File: BF126969.D

Acq: 21 Feb 2022 13:06

Instrument :

BNA_F

ClientSampleId :

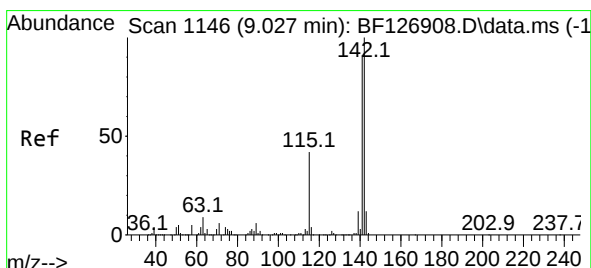
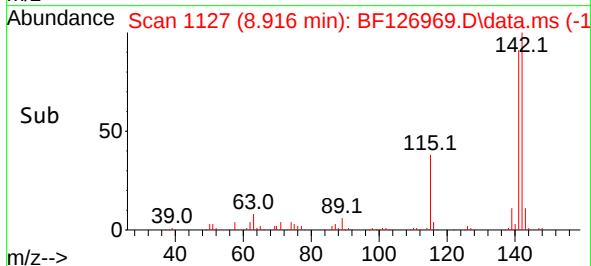
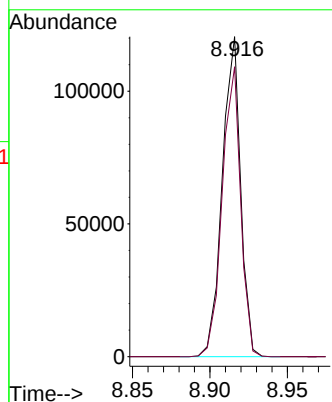
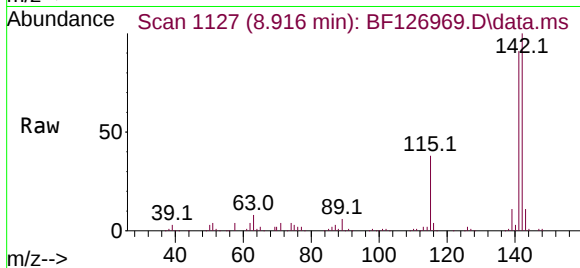
MDL-SOIL-03-QT4-2021

Tgt Ion:142 Resp: 99044

Ion Ratio Lower Upper

142 100

141 90.6 68.6 102.8



#38

1-Methylnaphthalene

Concen: 8.385 ng

RT: 9.016 min Scan# 1144

Delta R.T. 0.000 min

Lab File: BF126969.D

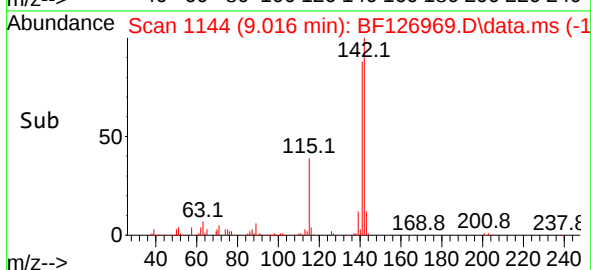
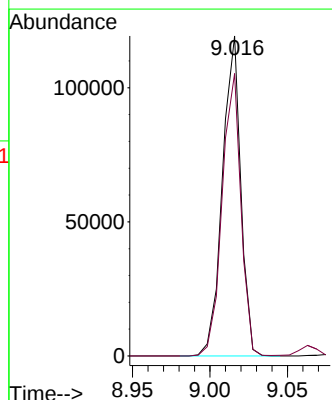
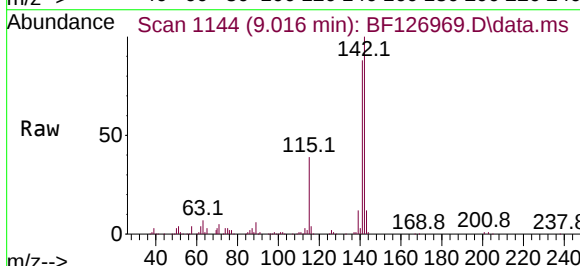
Acq: 21 Feb 2022 13:06

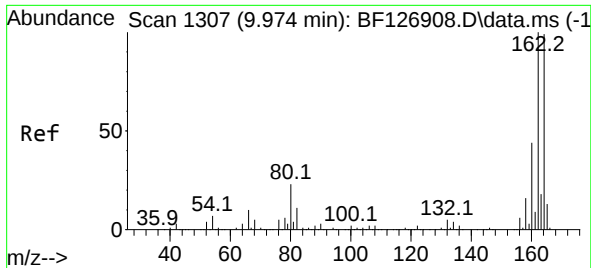
Tgt Ion:142 Resp: 98138

Ion Ratio Lower Upper

142 100

141 88.3 72.1 108.1

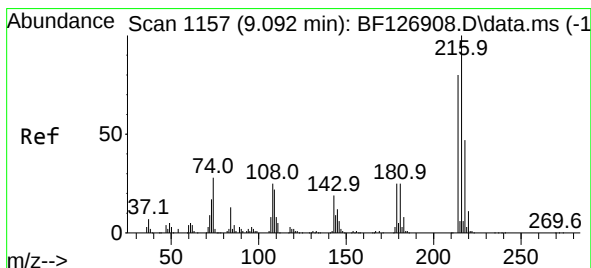
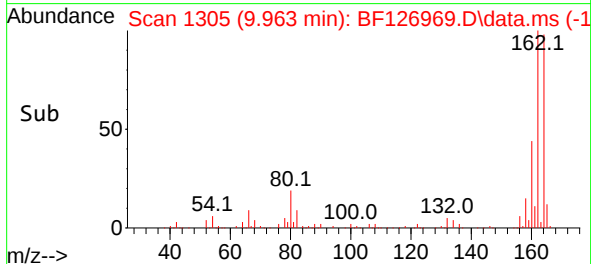
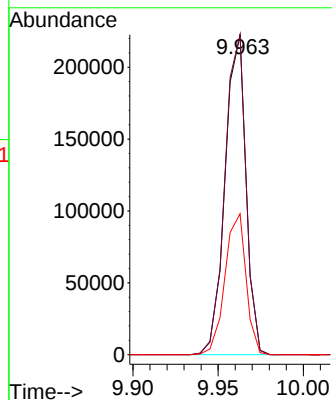
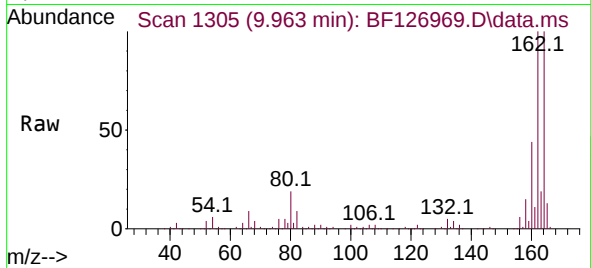




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

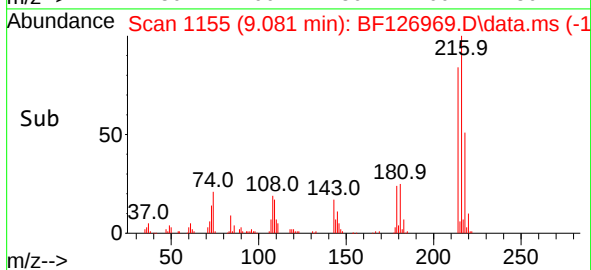
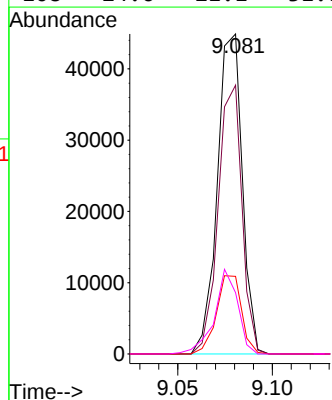
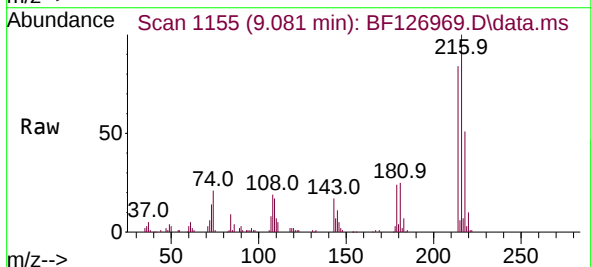
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

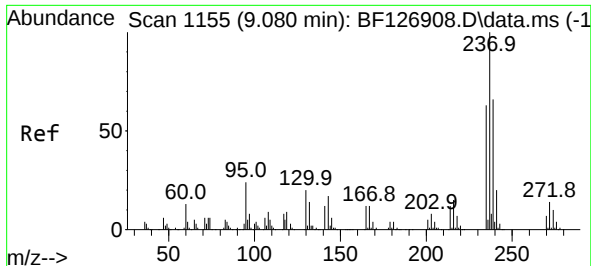
Tgt Ion:164 Resp: 190022
Ion Ratio Lower Upper
164 100
162 100.2 81.4 122.0
160 44.1 36.6 54.8



#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.244 ng
RT: 9.081 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

Tgt Ion:216 Resp: 41236
Ion Ratio Lower Upper
216 100
214 80.2 64.6 96.8
179 24.6 19.5 29.3
108 24.6 21.1 31.7

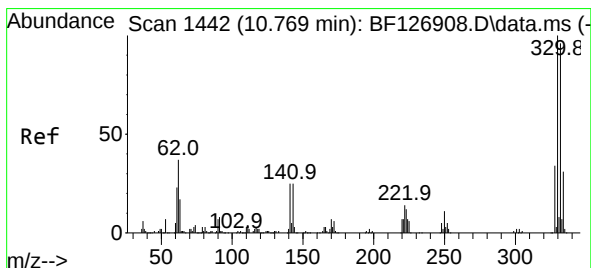
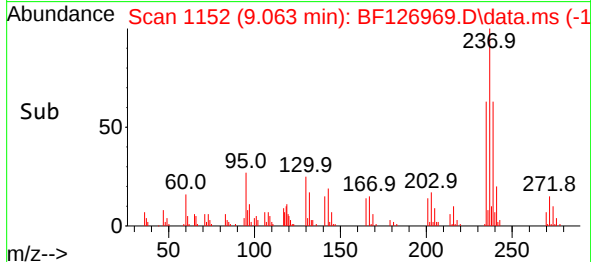
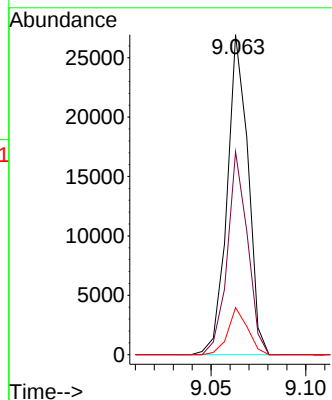
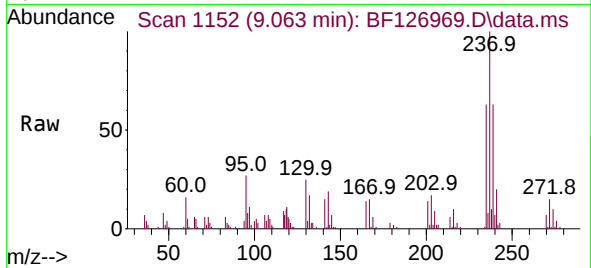




#41
Hexachlorocyclopentadiene
Concen: 7.614 ng
RT: 9.063 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

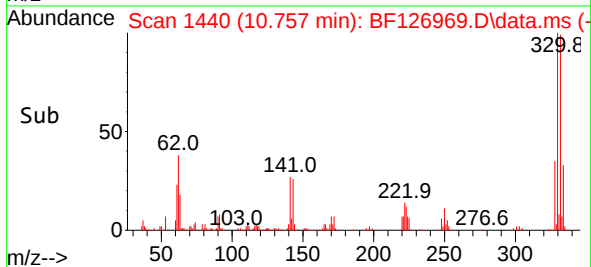
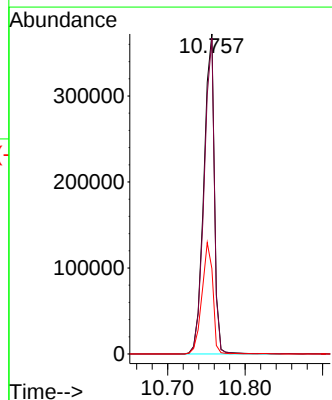
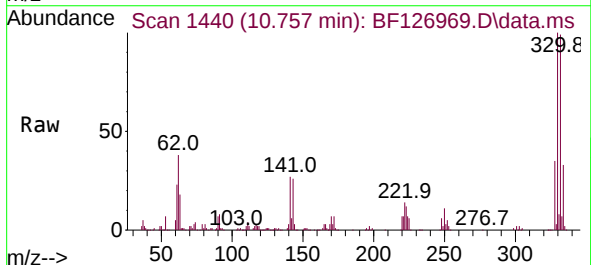
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

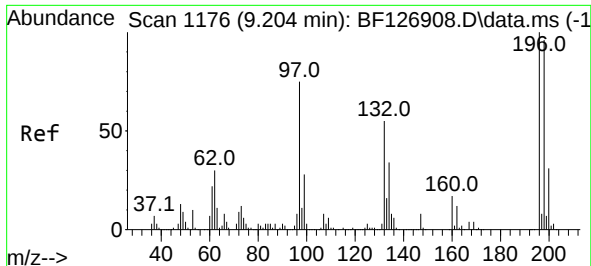
Tgt Ion:	237	Resp:	20655
Ion Ratio	Lower	Upper	
237	100		
235	63.4	38.9	78.9
272	14.7	0.0	33.5



#42
2,4,6-Tribromophenol
Concen: 160.007 ng
RT: 10.757 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

Tgt Ion:	330	Resp:	350071
Ion Ratio	Lower	Upper	
330	100		
332	96.3	76.0	114.0
141	35.8	30.1	45.1

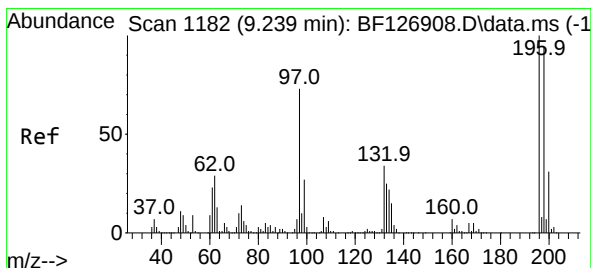
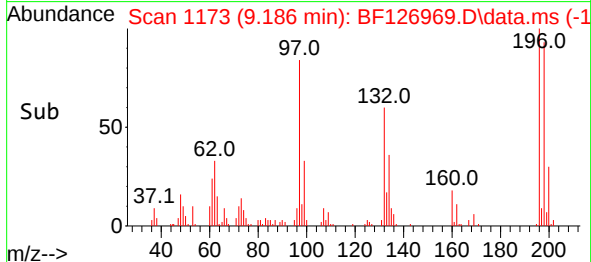
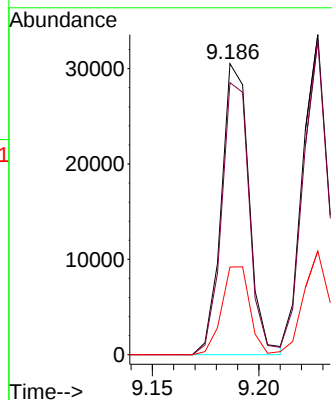
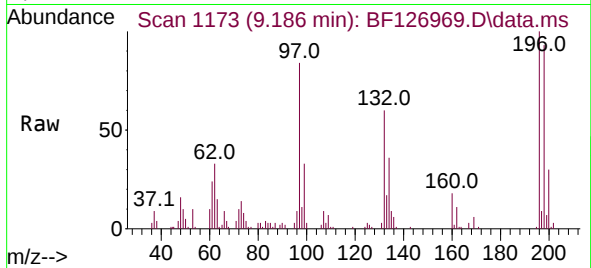




#43
2,4,6-Trichlorophenol
Concen: 7.529 ng
RT: 9.186 min Scan# 1176
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

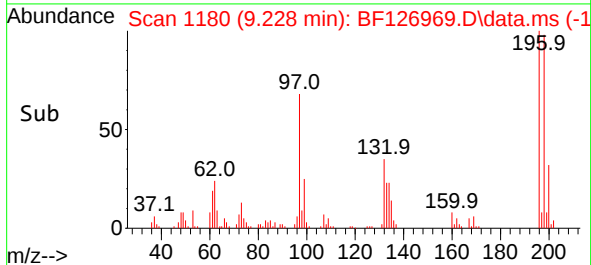
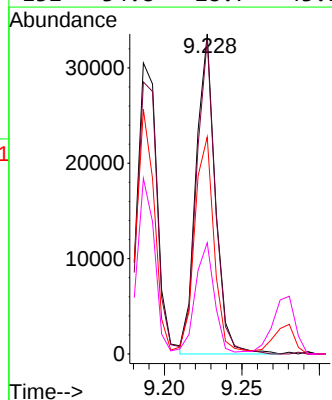
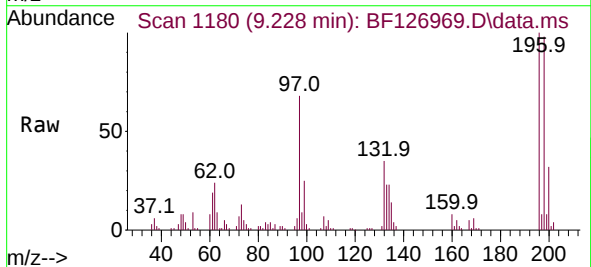
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

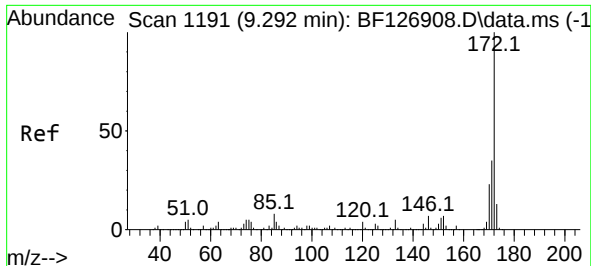
Tgt Ion:196 Resp: 27622
Ion Ratio Lower Upper
196 100
198 93.4 78.5 117.7
200 30.1 24.9 37.3



#44
2,4,5-Trichlorophenol
Concen: 7.526 ng
RT: 9.228 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

Tgt Ion:196 Resp: 29055
Ion Ratio Lower Upper
196 100
198 98.2 82.0 123.0
97 67.8 53.5 80.3
132 34.8 28.7 43.1

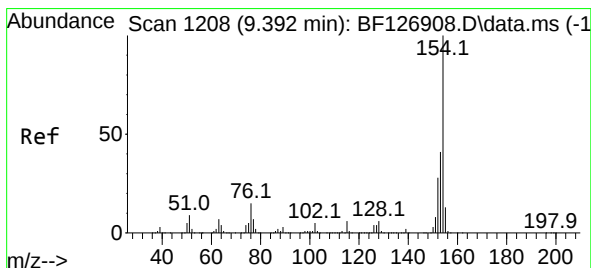
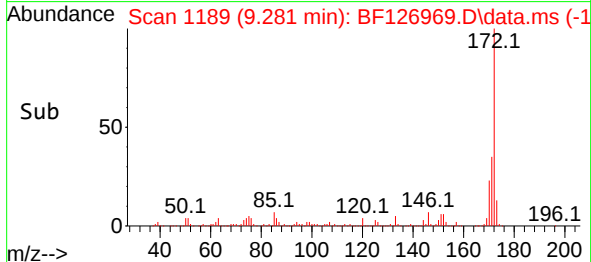
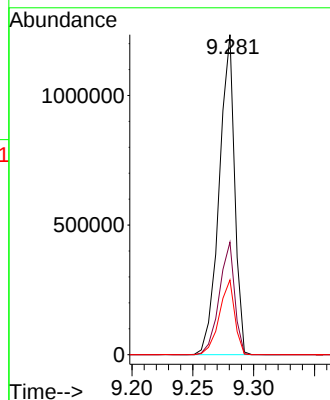
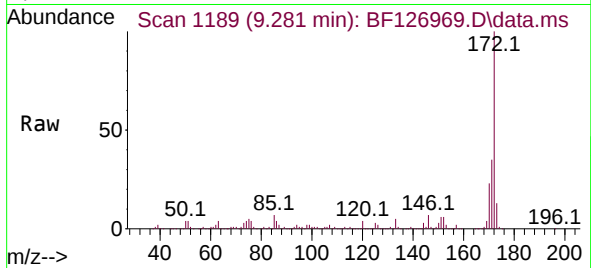




#45
2-Fluorobiphenyl
Concen: 84.597 ng
RT: 9.281 min Scan# 1191
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

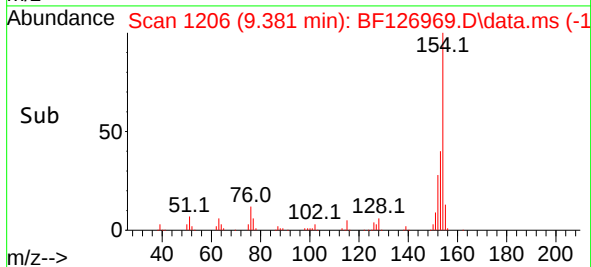
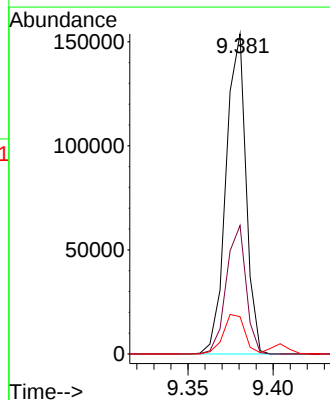
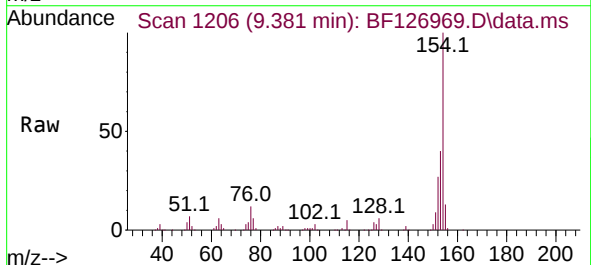
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

Tgt Ion:172 Resp: 1091951
Ion Ratio Lower Upper
172 100
171 35.1 28.3 42.5
170 23.3 19.0 28.6



#46
1,1'-Biphenyl
Concen: 8.310 ng
RT: 9.381 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

Tgt Ion:154 Resp: 125103
Ion Ratio Lower Upper
154 100
153 40.1 19.0 59.0
76 11.6 0.0 34.5





#47

2-Chloronaphthalene

Concen: 8.138 ng

RT: 9.404 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126969.D

Acq: 21 Feb 2022 13:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

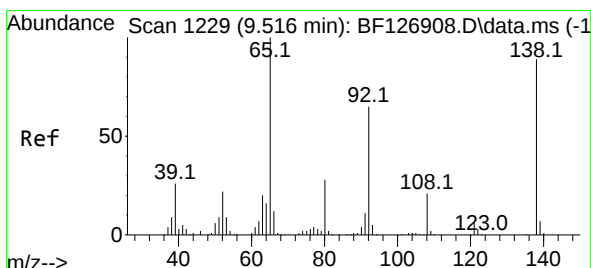
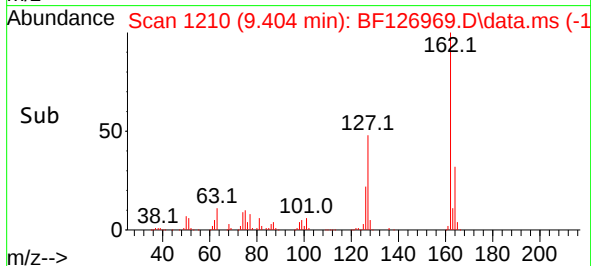
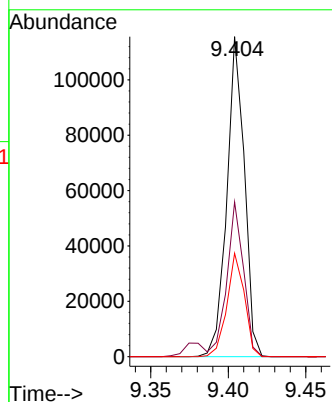
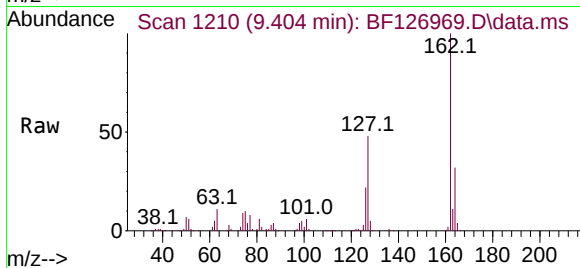
Tgt Ion:162 Resp: 90857

Ion Ratio Lower Upper

162 100

127 48.3 33.5 50.3

164 32.3 26.2 39.4



#48

2-Nitroaniline

Concen: 7.530 ng

RT: 9.498 min Scan# 1226

Delta R.T. -0.006 min

Lab File: BF126969.D

Acq: 21 Feb 2022 13:06

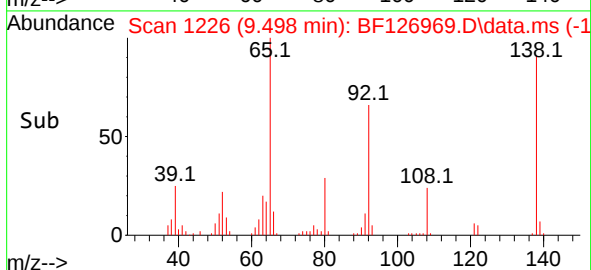
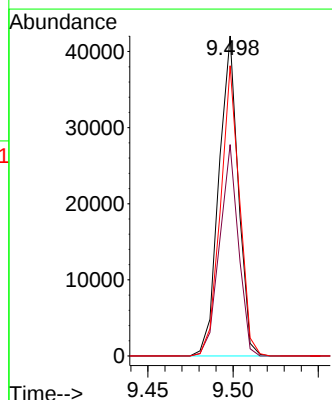
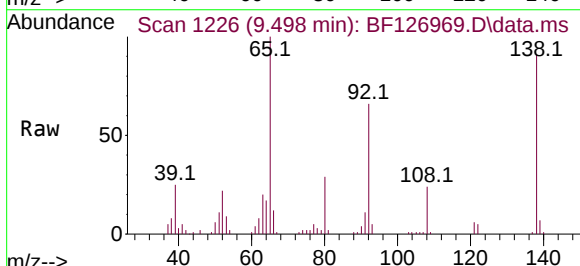
Tgt Ion: 65 Resp: 33172

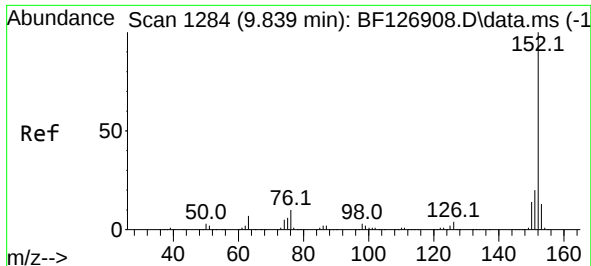
Ion Ratio Lower Upper

65 100

92 66.1 54.4 81.6

138 90.7 72.5 108.7





#49

Acenaphthylene

Concen: 8.593 ng

RT: 9.822 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF126969.D

Acq: 21 Feb 2022 13:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

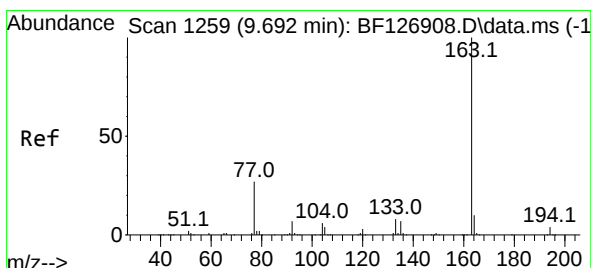
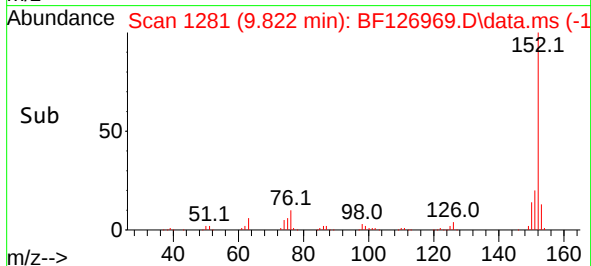
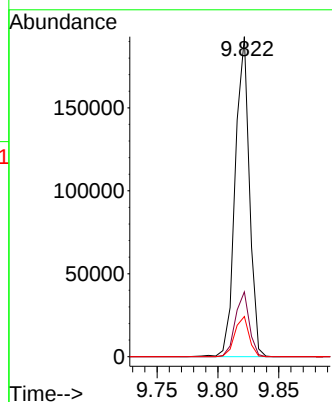
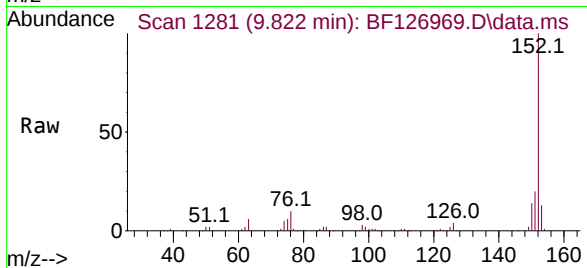
Tgt Ion:152 Resp: 155840

Ion Ratio Lower Upper

152 100

151 20.3 15.7 23.5

153 12.6 11.4 17.0



#50

Dimethylphthalate

Concen: 7.722 ng

RT: 9.669 min Scan# 1255

Delta R.T. -0.012 min

Lab File: BF126969.D

Acq: 21 Feb 2022 13:06

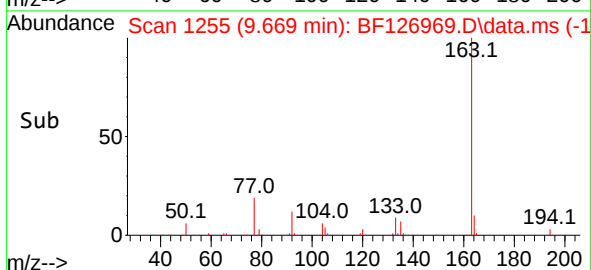
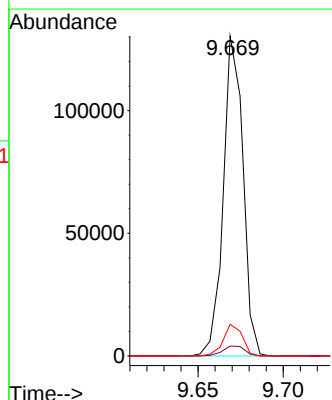
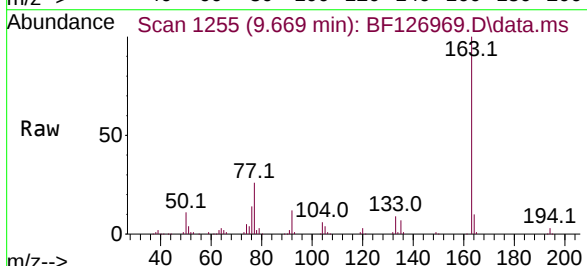
Tgt Ion:163 Resp: 104881

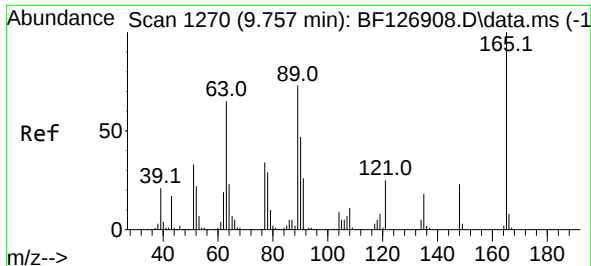
Ion Ratio Lower Upper

163 100

194 3.1 2.6 3.8

164 9.9 7.8 11.8





#51

2,6-Dinitrotoluene

Concen: 8.309 ng

RT: 9.739 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF126969.D

Acq: 21 Feb 2022 13:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

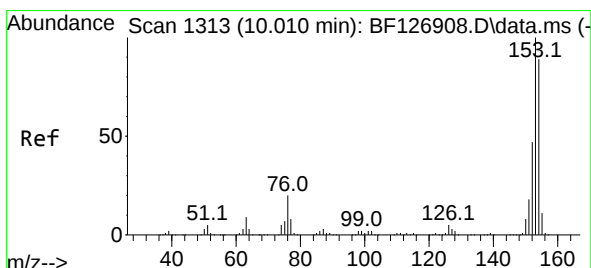
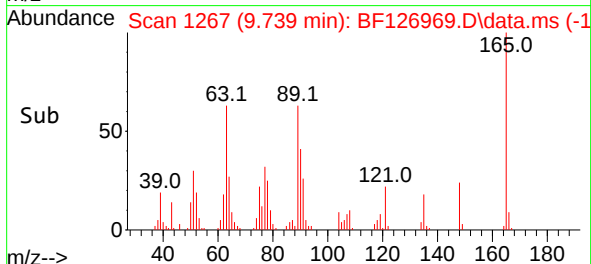
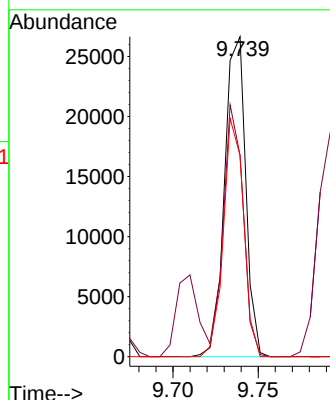
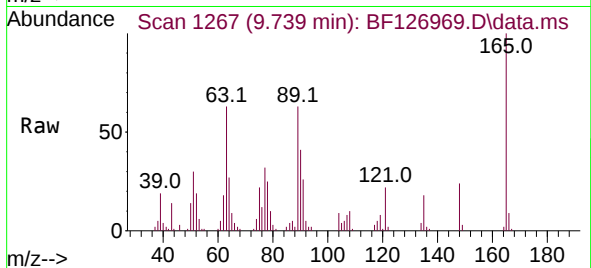
Tgt Ion:165 Resp: 22960

Ion Ratio Lower Upper

165 100

63 63.0 48.4 72.6

89 62.8 50.5 75.7



#52

Acenaphthene

Concen: 8.020 ng

RT: 9.992 min Scan# 1310

Delta R.T. -0.006 min

Lab File: BF126969.D

Acq: 21 Feb 2022 13:06

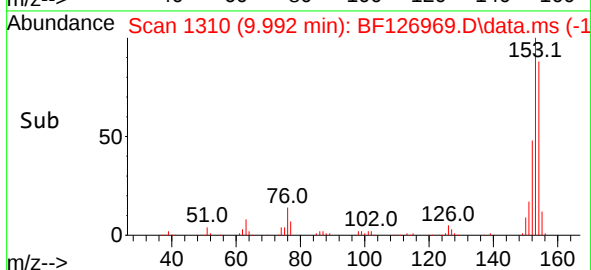
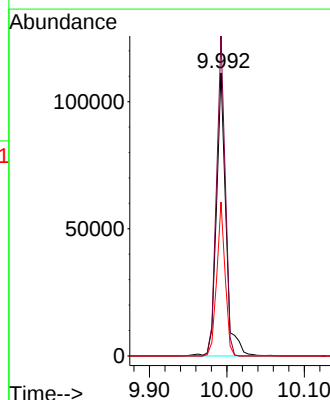
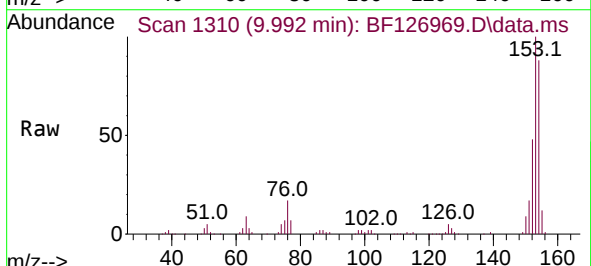
Tgt Ion:154 Resp: 94584

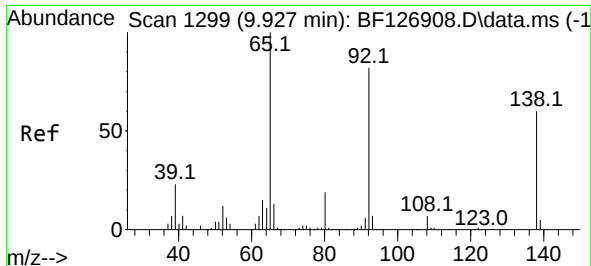
Ion Ratio Lower Upper

154 100

153 113.1 87.8 131.6

152 54.4 39.4 59.2

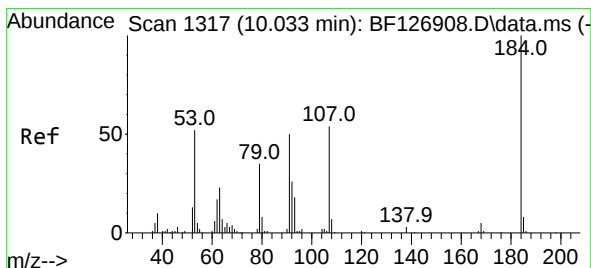
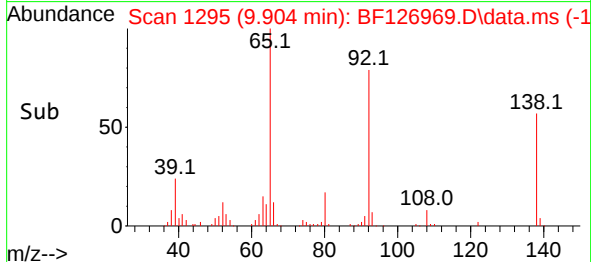
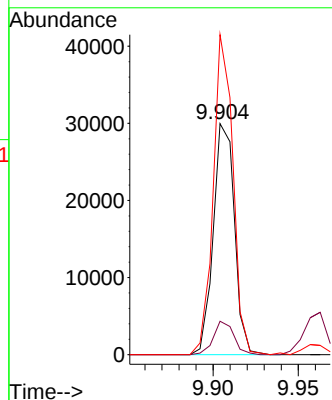
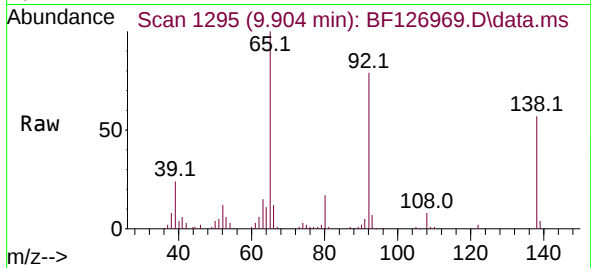




#53
3-Nitroaniline
Concen: 7.679 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

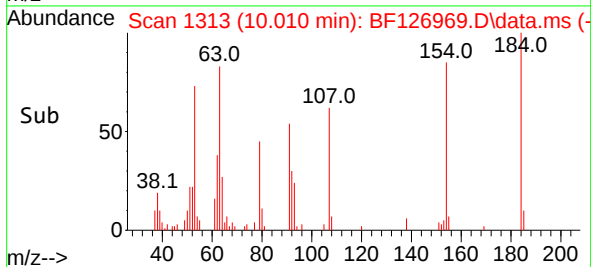
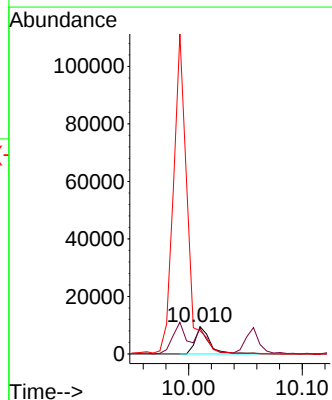
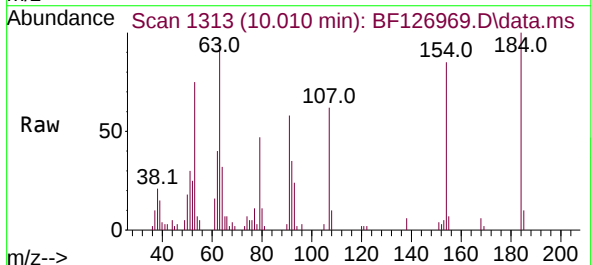
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

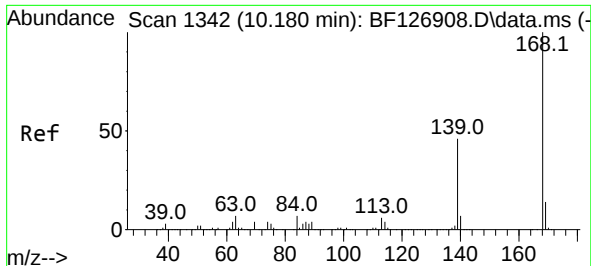
Tgt Ion:138 Resp: 25940
Ion Ratio Lower Upper
138 100
108 14.5 8.6 13.0#
92 138.5 105.0 157.6



#54
2,4-Dinitrophenol
Concen: 5.850 ng
RT: 10.010 min Scan# 1313
Delta R.T. -0.012 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

Tgt Ion:184 Resp: 8556
Ion Ratio Lower Upper
184 100
63 94.1 70.4 105.6
154 85.0 49.7 74.5#

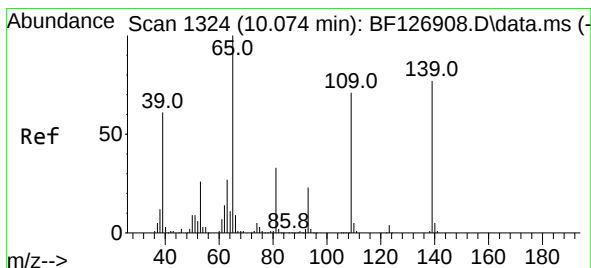
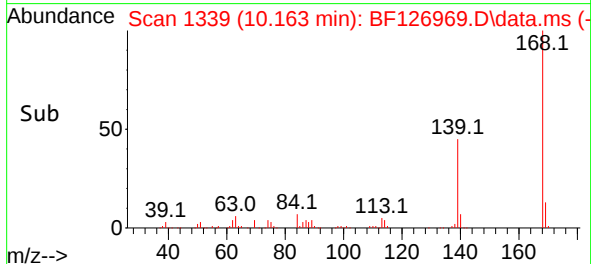
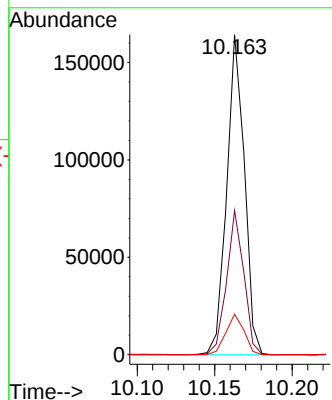
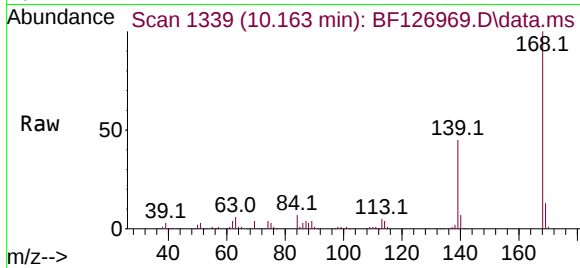




#55
Dibenzofuran
Concen: 8.022 ng
RT: 10.163 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

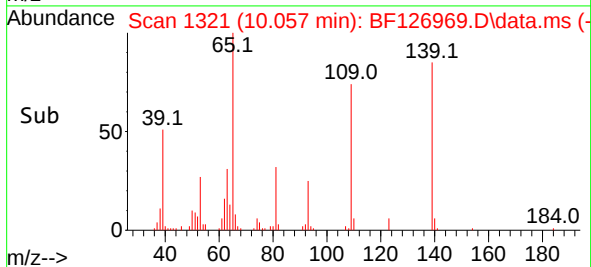
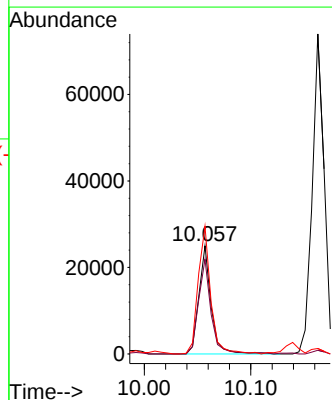
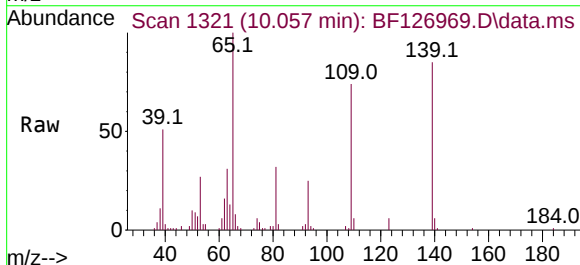
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

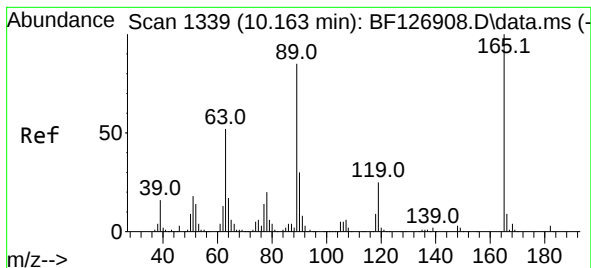
Tgt Ion:168 Resp: 130091
Ion Ratio Lower Upper
168 100
139 45.0 30.6 46.0
169 12.6 10.0 15.0



#56
4-Nitrophenol
Concen: 8.028 ng
RT: 10.057 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

Tgt Ion:139 Resp: 20029
Ion Ratio Lower Upper
139 100
109 87.6 44.1 84.1#
65 118.0 85.5 125.5

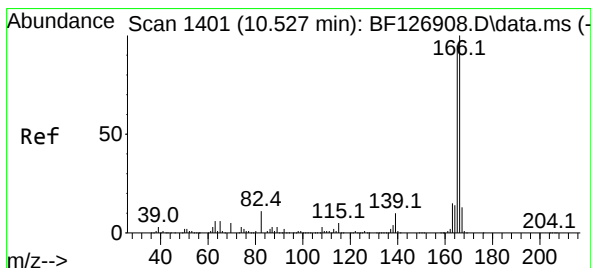
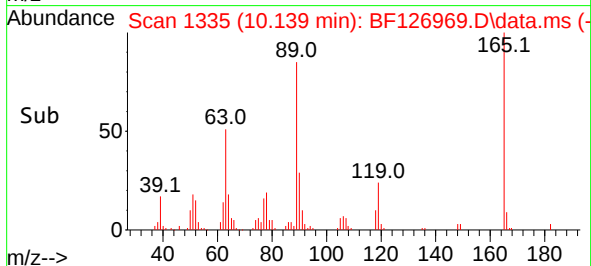
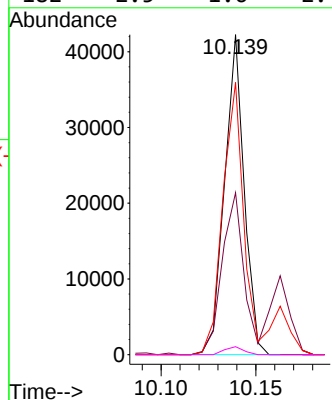
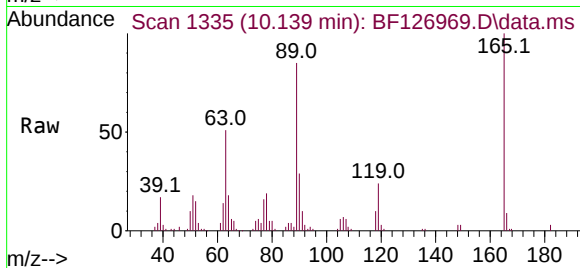




#57
2,4-Dinitrotoluene
Concen: 8.142 ng
RT: 10.139 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

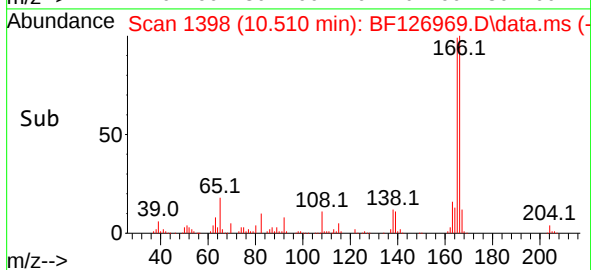
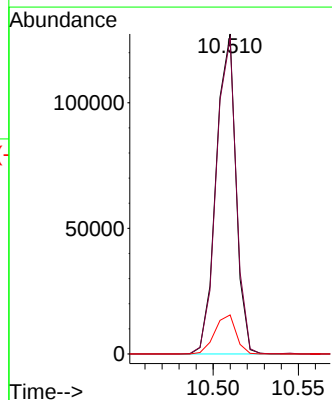
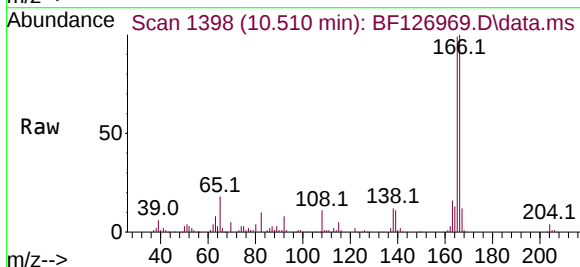
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

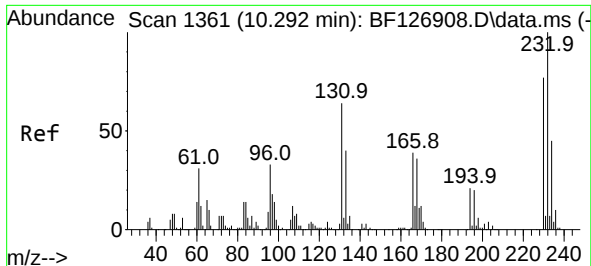
Tgt Ion:165 Resp: 30422
Ion Ratio Lower Upper
165 100
63 50.6 43.0 64.6
89 85.0 71.0 106.4
182 2.5 1.6 2.4#



#58
Fluorene
Concen: 8.141 ng
RT: 10.510 min Scan# 1398
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

Tgt Ion:166 Resp: 102838
Ion Ratio Lower Upper
166 100
165 98.6 77.7 116.5
167 12.2 10.7 16.1

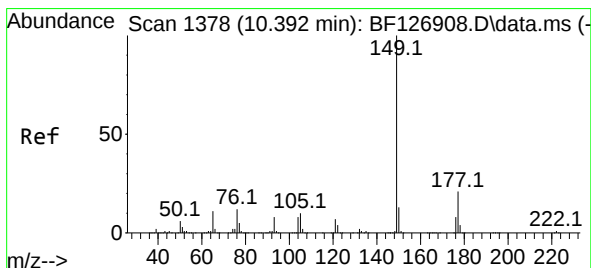
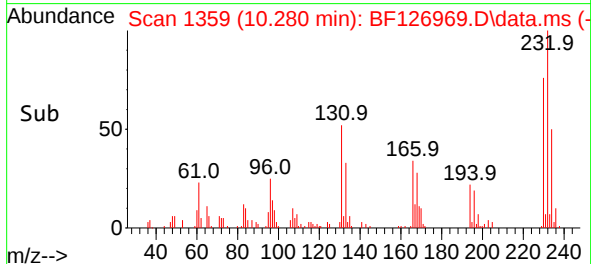
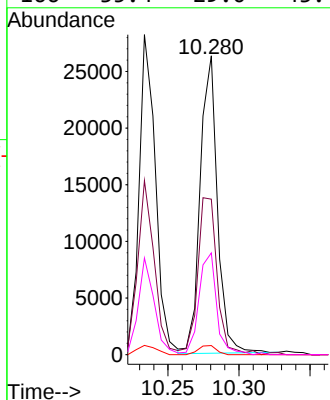
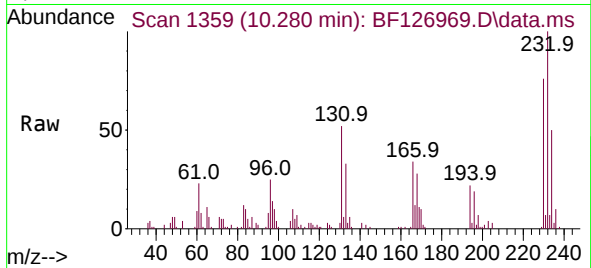




#59
2,3,4,6-Tetrachlorophenol
Concen: 7.258 ng
RT: 10.280 min Scan# 1359
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

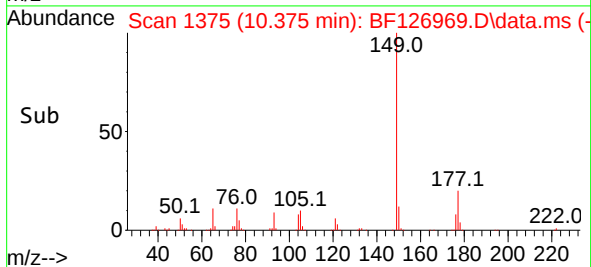
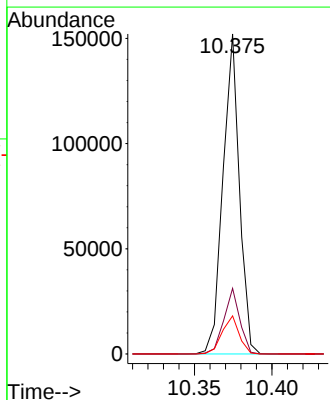
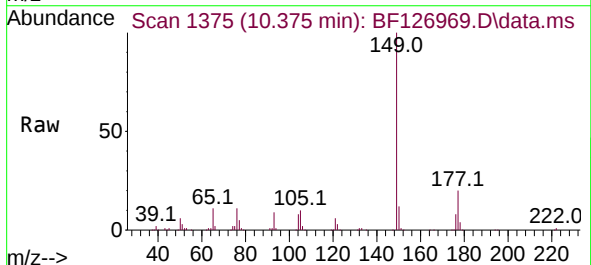
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

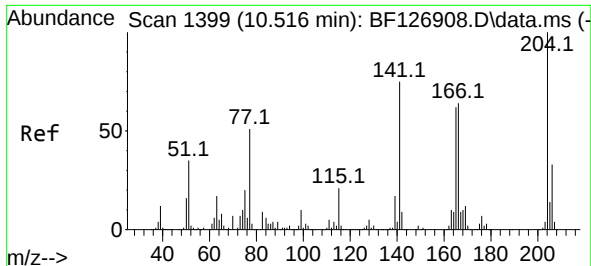
Tgt Ion:232 Resp: 22213
Ion Ratio Lower Upper
232 100
131 60.0 50.0 75.0
130 3.2 2.2 3.2
166 35.4 29.0 43.4



#60
Diethylphthalate
Concen: 7.896 ng
RT: 10.375 min Scan# 1375
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

Tgt Ion:149 Resp: 112060
Ion Ratio Lower Upper
149 100
177 20.5 16.7 25.1
150 11.9 9.8 14.8

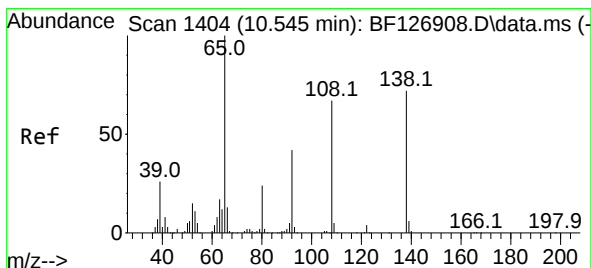
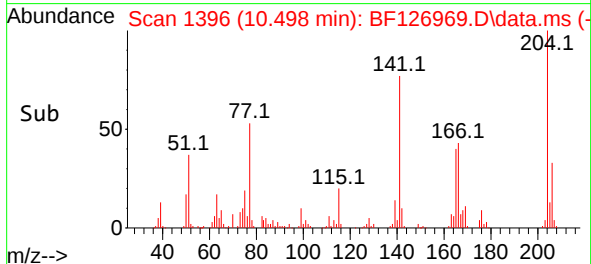
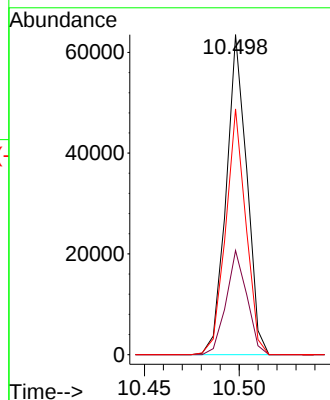
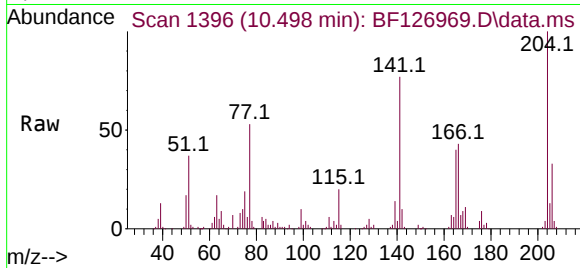




#61
4-Chlorophenyl-phenylether
Concen: 8.065 ng
RT: 10.498 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

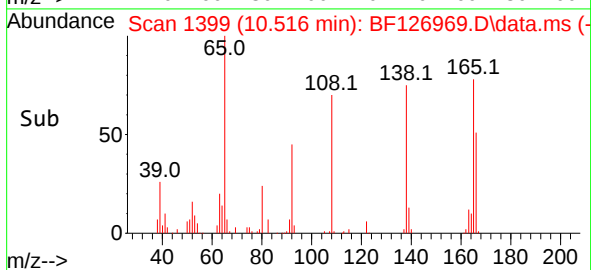
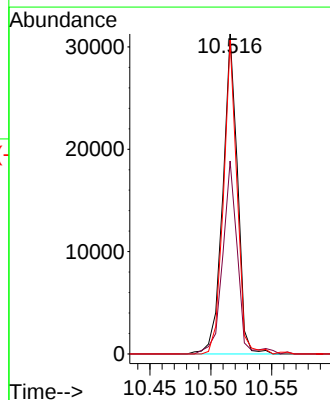
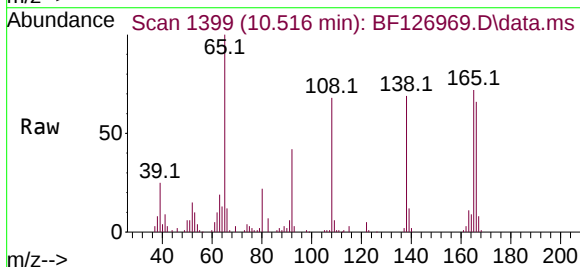
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

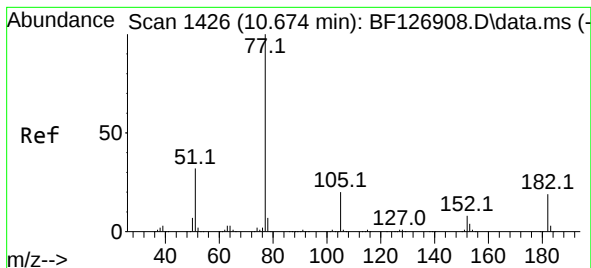
Tgt Ion:204 Resp: 48038
Ion Ratio Lower Upper
204 100
206 32.6 26.3 39.5
141 76.8 59.0 88.6



#62
4-Nitroaniline
Concen: 7.853 ng
RT: 10.516 min Scan# 1399
Delta R.T. -0.018 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

Tgt Ion:138 Resp: 26196
Ion Ratio Lower Upper
138 100
92 60.3 36.2 76.2
108 98.1 46.7 86.7#





#63

Azobenzene

Concen: 7.627 ng

RT: 10.663 min Scan# 1424

Delta R.T. 0.000 min

Lab File: BF126969.D

Acq: 21 Feb 2022 13:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

Tgt Ion: 77 Resp: 120531

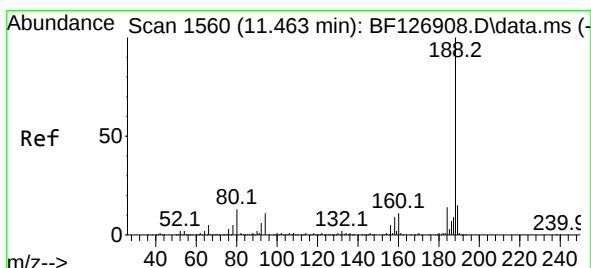
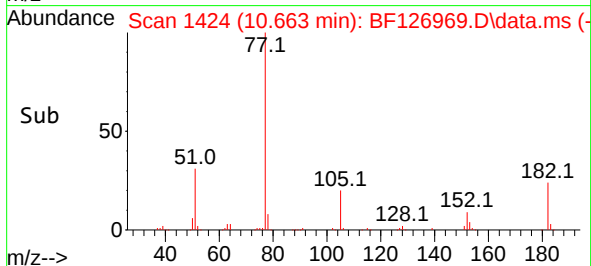
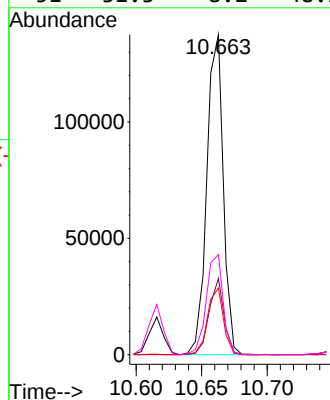
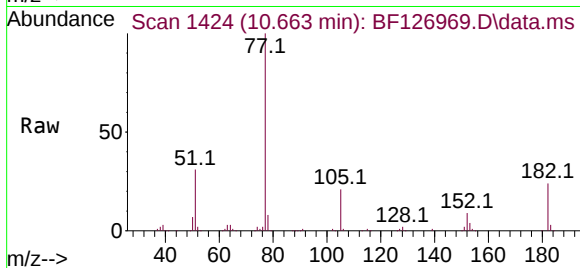
Ion Ratio Lower Upper

77 100

182 23.9 0.0 39.0

105 20.8 3.2 43.2

51 31.3 8.2 48.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.451 min Scan# 1558

Delta R.T. 0.000 min

Lab File: BF126969.D

Acq: 21 Feb 2022 13:06

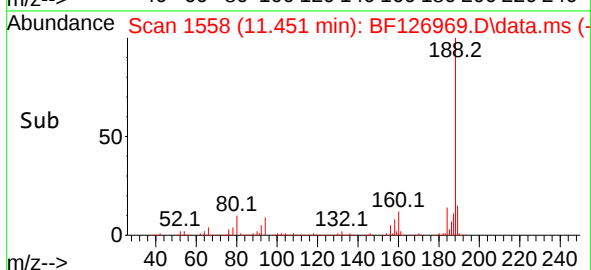
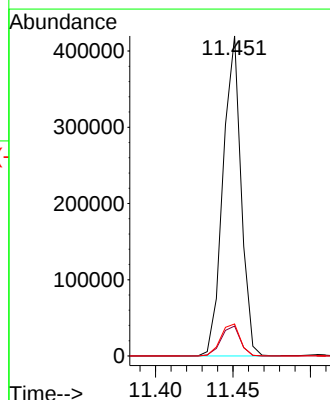
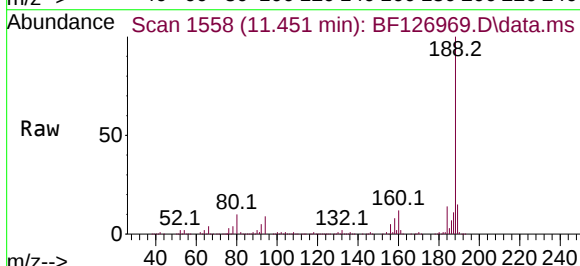
Tgt Ion: 188 Resp: 339937

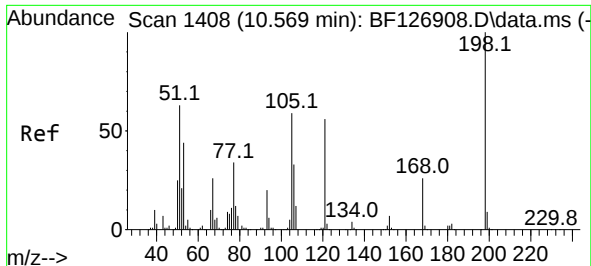
Ion Ratio Lower Upper

188 100

94 9.4 10.1 15.1#

80 10.0 11.8 17.6#





#65

4,6-Dinitro-2-methylphenol

Concen: 6.383 ng

RT: 10.545 min Scan# 1404

Delta R.T. -0.012 min

Lab File: BF126969.D

Acq: 21 Feb 2022 13:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

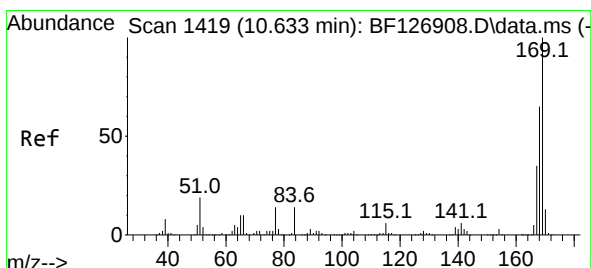
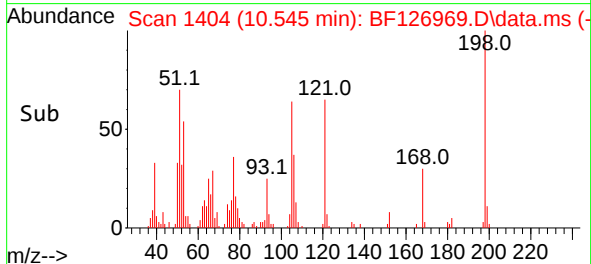
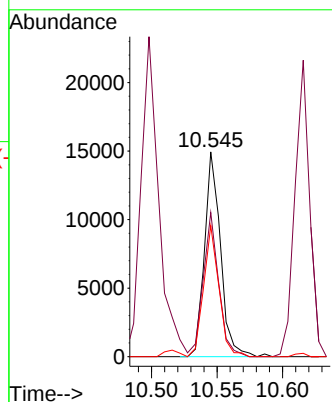
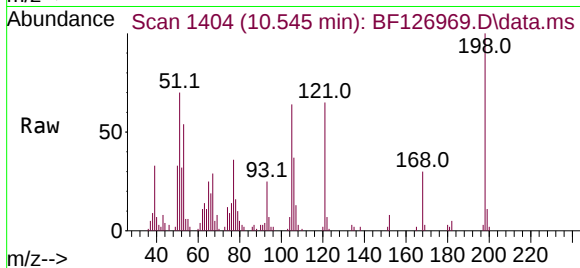
Tgt Ion:198 Resp: 12750

Ion Ratio Lower Upper

198 100

51 70.4 32.0 72.0

105 64.0 32.7 72.7



#66

n-Nitrosodiphenylamine

Concen: 7.921 ng

RT: 10.616 min Scan# 1416

Delta R.T. -0.006 min

Lab File: BF126969.D

Acq: 21 Feb 2022 13:06

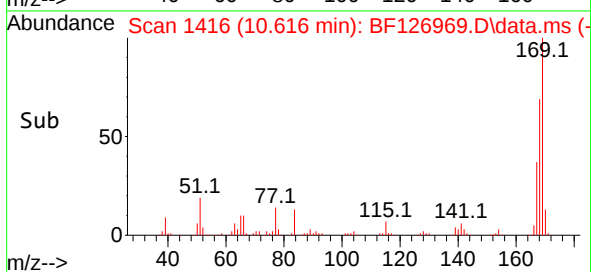
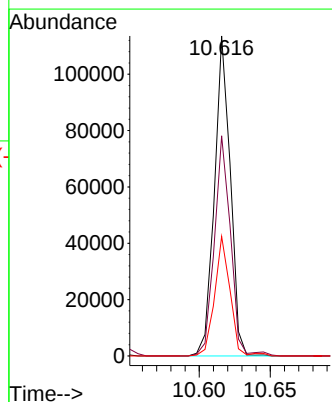
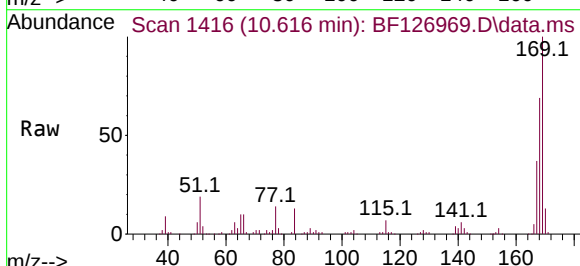
Tgt Ion:169 Resp: 88289

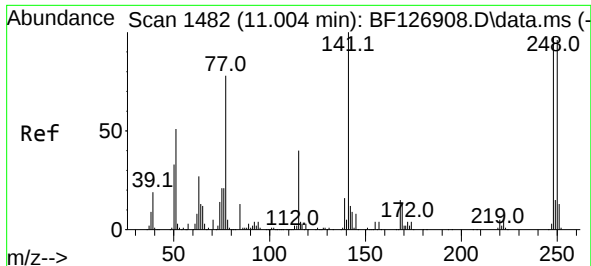
Ion Ratio Lower Upper

169 100

168 68.8 53.4 80.0

167 37.4 29.4 44.0





#67

4-Bromophenyl-phenylether

Concen: 7.700 ng

RT: 10.992 min Scan# 1480

Delta R.T. 0.000 min

Lab File: BF126969.D

Acq: 21 Feb 2022 13:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

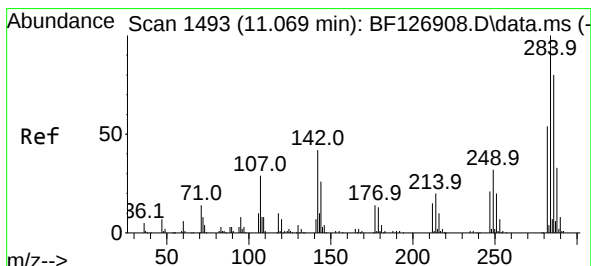
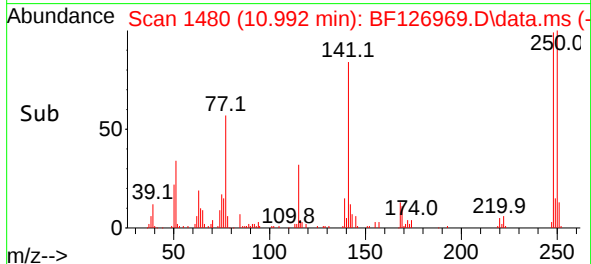
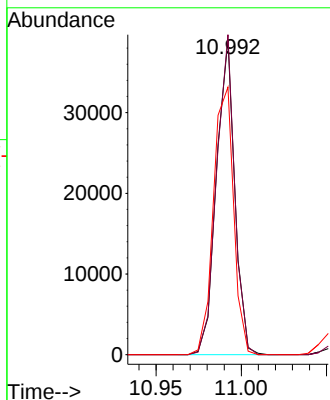
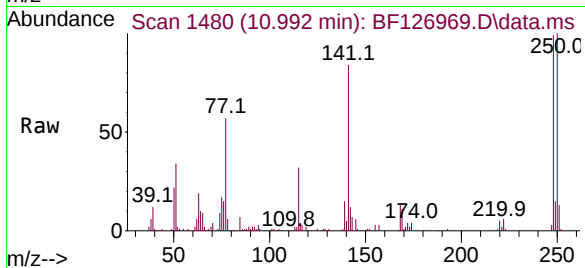
Tgt Ion:248 Resp: 29245

Ion Ratio Lower Upper

248 100

250 101.5 76.2 114.4

141 84.9 66.2 99.4



#68

Hexachlorobenzene

Concen: 7.946 ng

RT: 11.051 min Scan# 1490

Delta R.T. -0.006 min

Lab File: BF126969.D

Acq: 21 Feb 2022 13:06

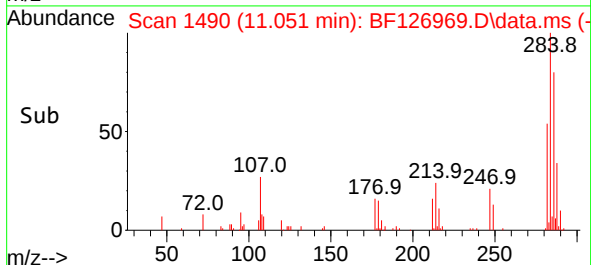
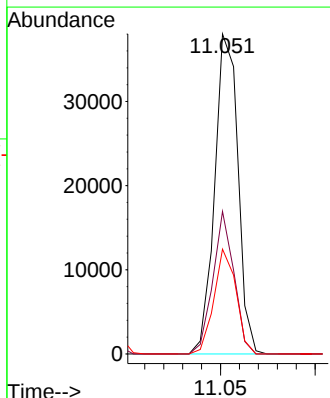
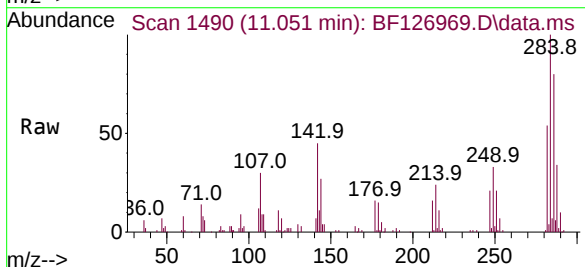
Tgt Ion:284 Resp: 32489

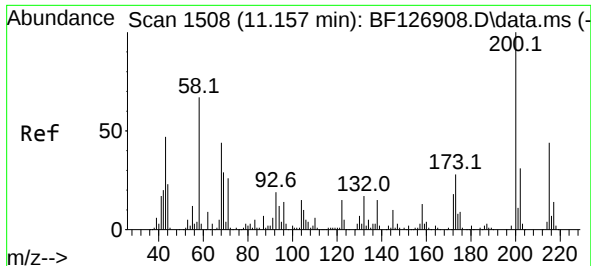
Ion Ratio Lower Upper

284 100

142 44.5 30.7 46.1

249 32.8 21.1 31.7#

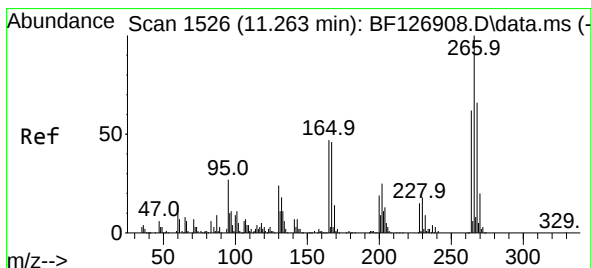
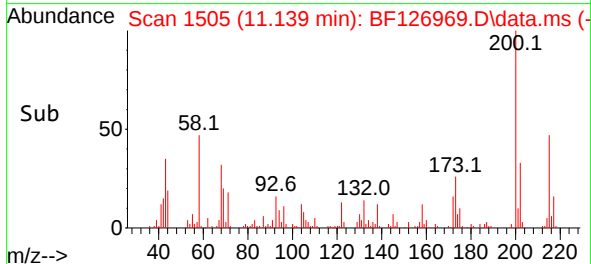
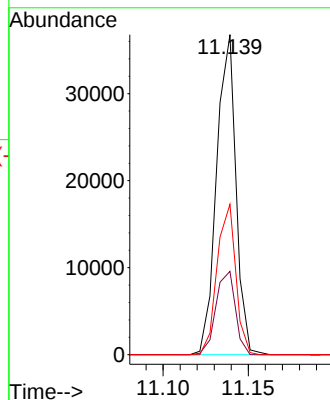
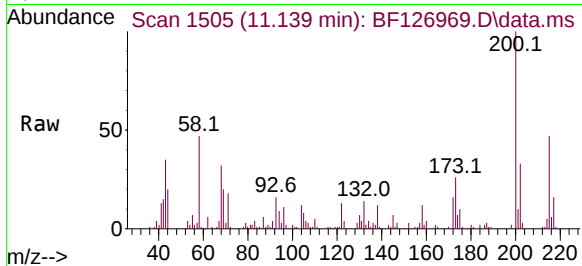




#69
Atrazine
Concen: 8.417 ng
RT: 11.139 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

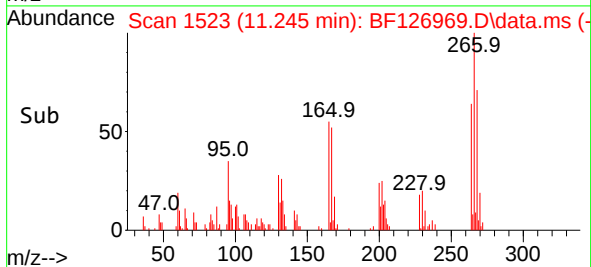
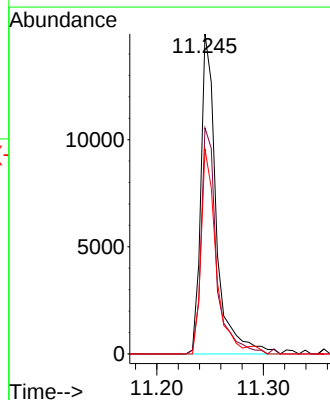
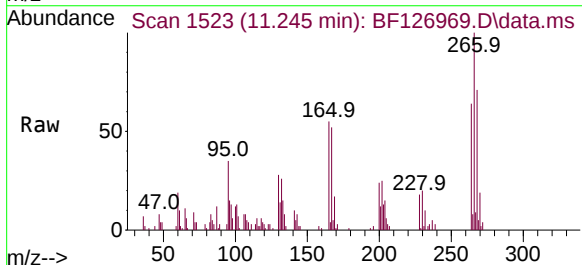
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

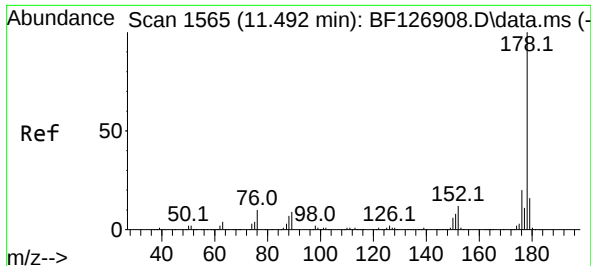
Tgt Ion:200 Resp: 29099
Ion Ratio Lower Upper
200 100
173 26.0 9.2 49.2
215 47.0 23.2 63.2



#70
Pentachlorophenol
Concen: 6.772 ng
RT: 11.245 min Scan# 1523
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

Tgt Ion:266 Resp: 15115
Ion Ratio Lower Upper
266 100
268 70.7 52.3 78.5
264 64.0 50.4 75.6

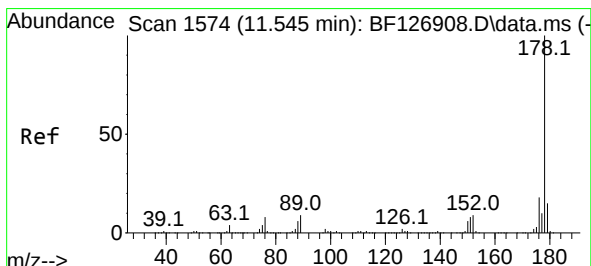
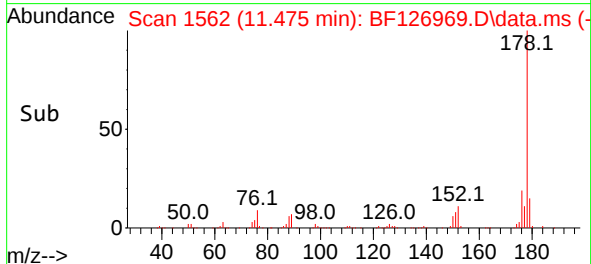
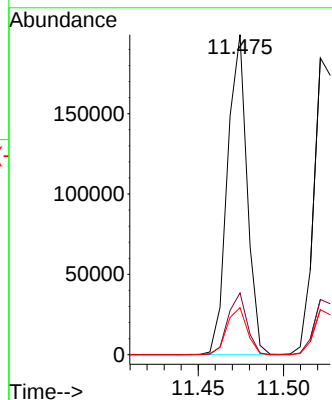
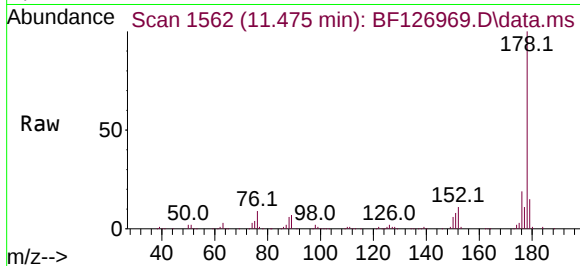




#71
Phenanthrene
Concen: 8.398 ng
RT: 11.475 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

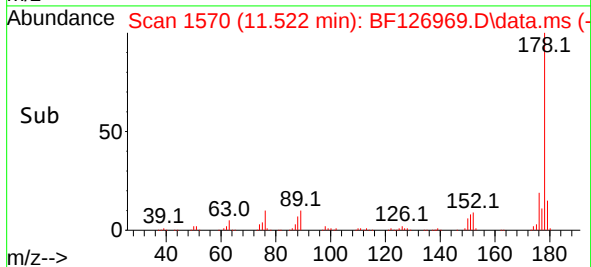
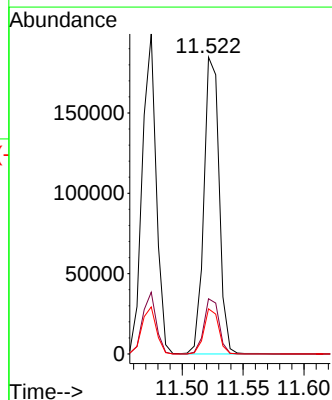
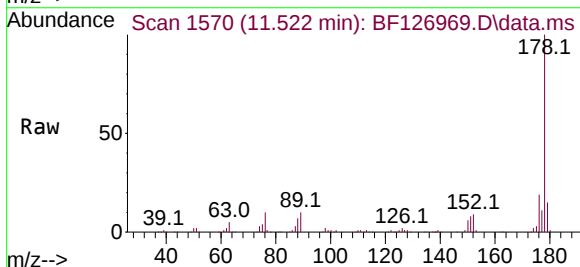
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

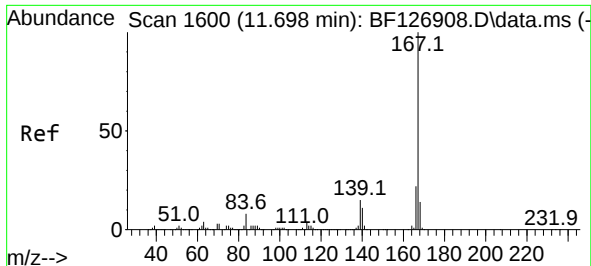
Tgt Ion:178 Resp: 159797
Ion Ratio Lower Upper
178 100
176 19.3 15.7 23.5
179 14.7 12.3 18.5



#72
Anthracene
Concen: 8.517 ng
RT: 11.522 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

Tgt Ion:178 Resp: 161322
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.2 12.5 18.7

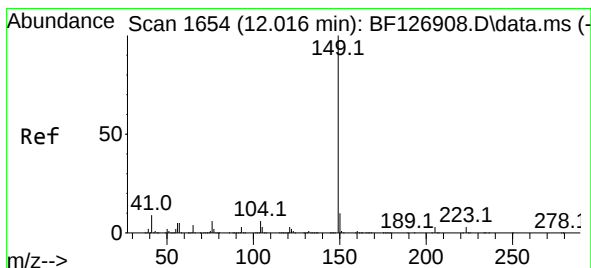
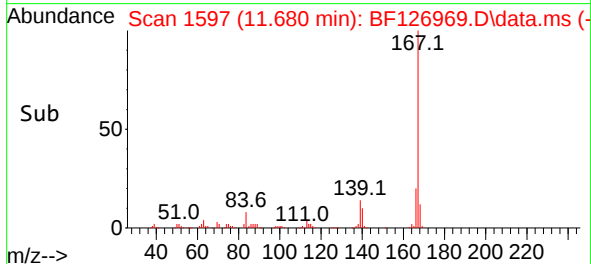
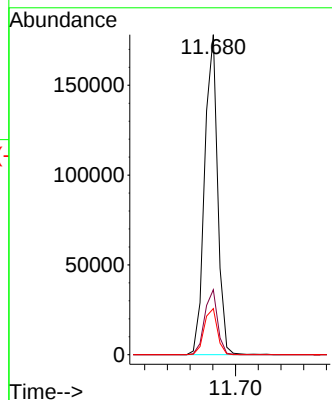
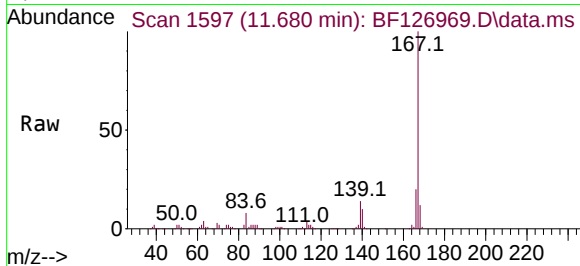




#73
 Carbazole
 Concen: 8.120 ng
 RT: 11.680 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF126969.D
 Acq: 21 Feb 2022 13:06

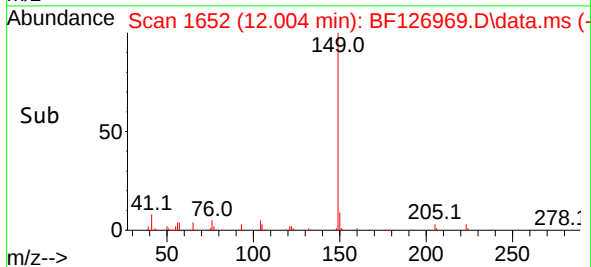
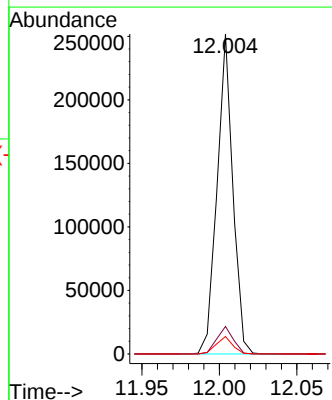
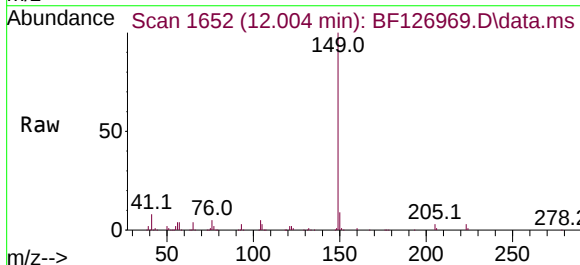
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2021

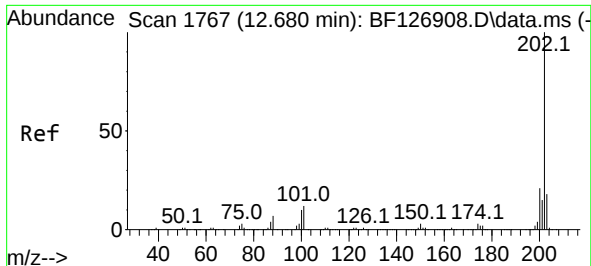
Tgt Ion:167 Resp: 141052
 Ion Ratio Lower Upper
 167 100
 166 20.3 16.9 25.3
 139 14.4 11.3 16.9



#74
 Di-n-butylphthalate
 Concen: 7.963 ng
 RT: 12.004 min Scan# 1652
 Delta R.T. 0.000 min
 Lab File: BF126969.D
 Acq: 21 Feb 2022 13:06

Tgt Ion:149 Resp: 177821
 Ion Ratio Lower Upper
 149 100
 150 8.6 7.2 10.8
 104 5.5 4.2 6.2

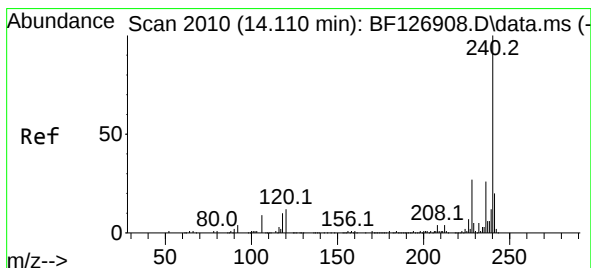
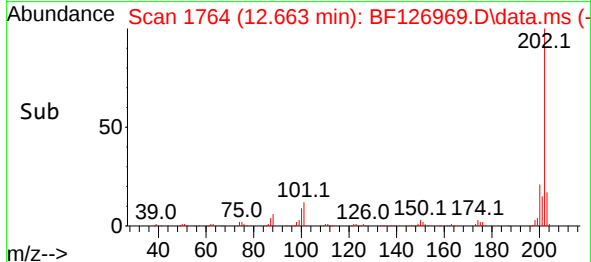
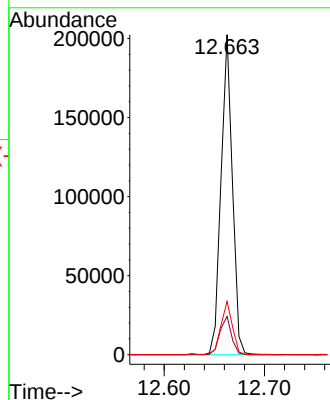
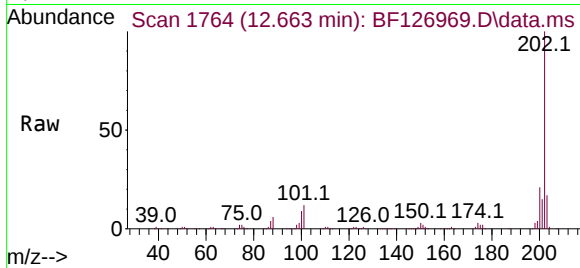




#75
Fluoranthene
Concen: 8.788 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

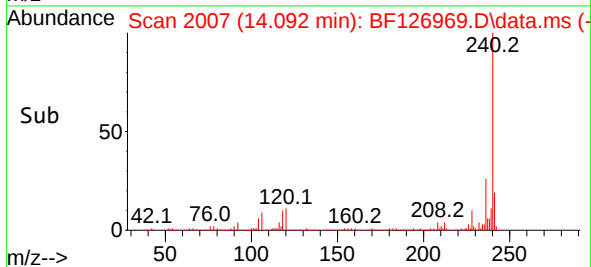
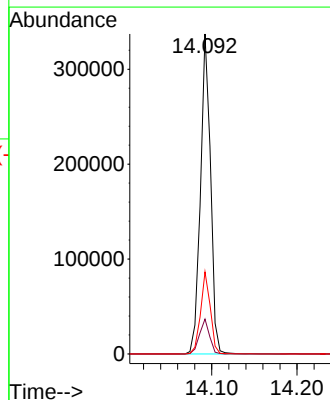
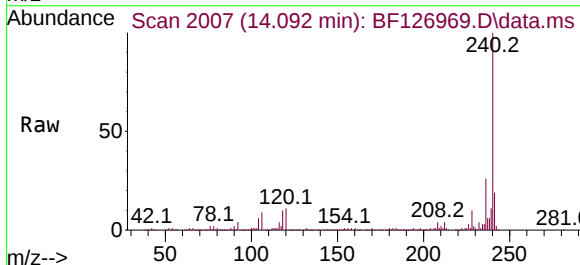
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

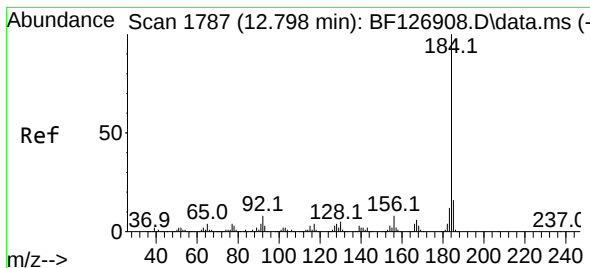
Tgt Ion:202 Resp: 158773
Ion Ratio Lower Upper
202 100
101 12.0 0.0 35.7
203 16.7 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

Tgt Ion:240 Resp: 277203
Ion Ratio Lower Upper
240 100
120 10.9 14.4 21.6#
236 25.7 20.5 30.7





#77

Benzidine

Concen: 11.424 ng

RT: 12.786 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF126969.D

Acq: 21 Feb 2022 13:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

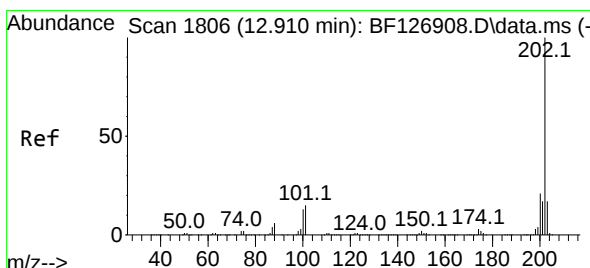
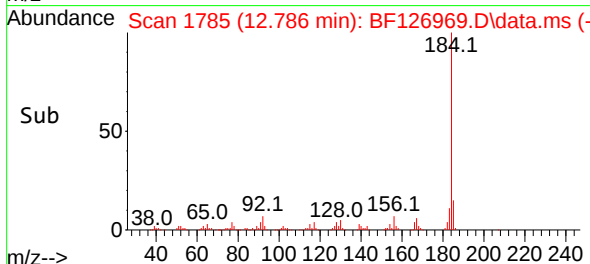
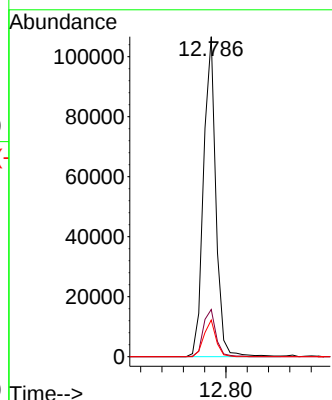
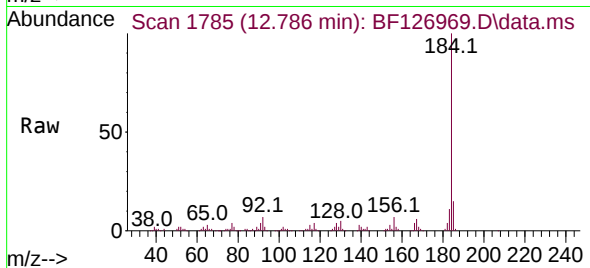
Tgt Ion:184 Resp: 86057

Ion Ratio Lower Upper

184 100

185 14.8 11.8 17.8

183 11.5 8.2 12.2



#78

Pyrene

Concen: 6.730 ng

RT: 12.892 min Scan# 1803

Delta R.T. -0.006 min

Lab File: BF126969.D

Acq: 21 Feb 2022 13:06

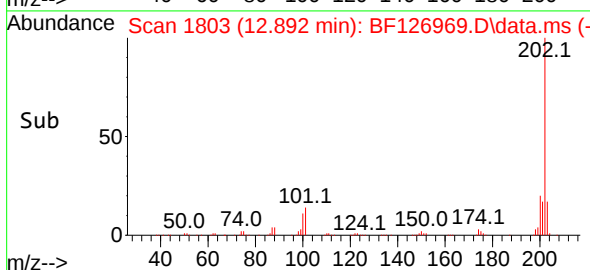
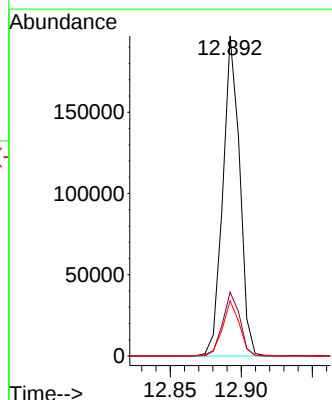
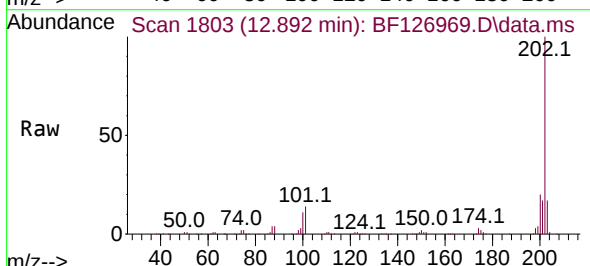
Tgt Ion:202 Resp: 162072

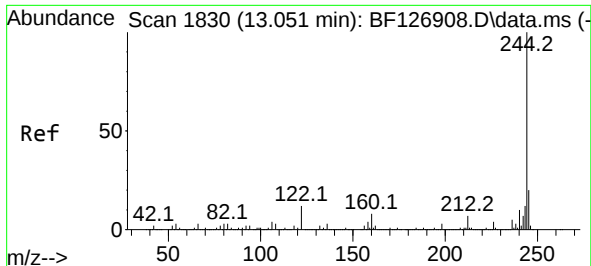
Ion Ratio Lower Upper

202 100

200 19.9 16.6 24.8

203 17.3 13.8 20.8

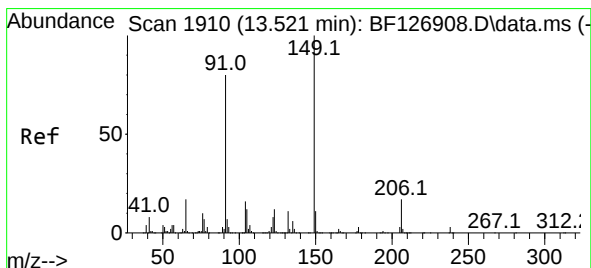
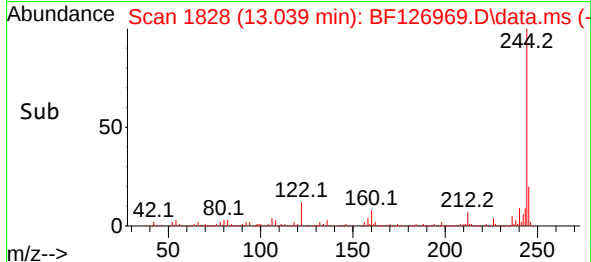
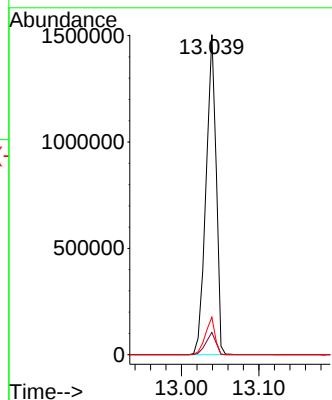
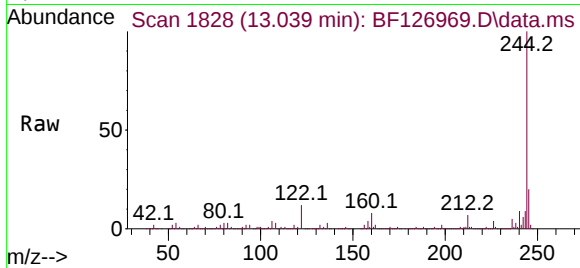




#79
 Terphenyl-d14
 Concen: 72.221 ng
 RT: 13.039 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF126969.D
 Acq: 21 Feb 2022 13:06

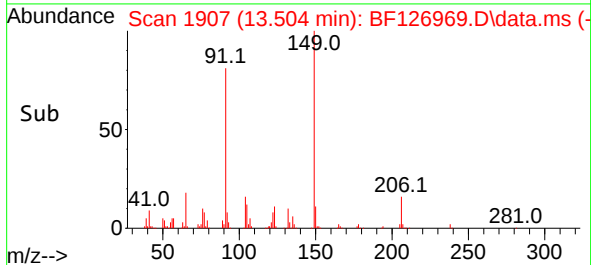
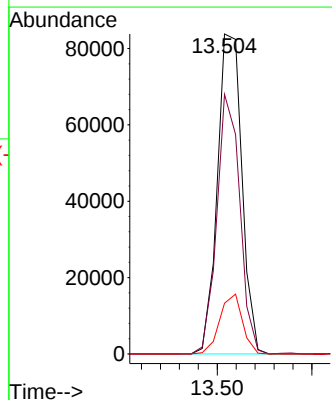
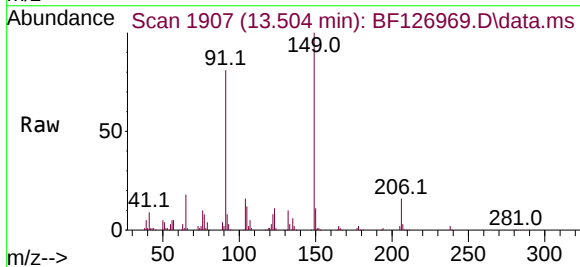
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2021

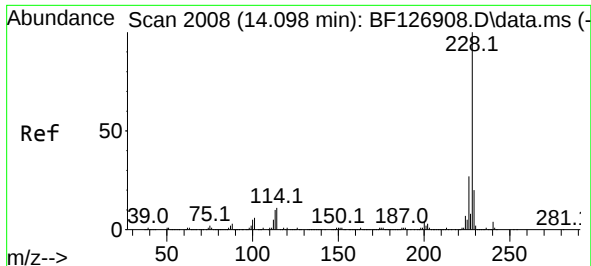
Tgt Ion:244 Resp: 1361855
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.0 7.4
 122 11.7 13.3 19.9#



#80
 Butylbenzylphthalate
 Concen: 6.626 ng
 RT: 13.504 min Scan# 1907
 Delta R.T. -0.006 min
 Lab File: BF126969.D
 Acq: 21 Feb 2022 13:06

Tgt Ion:149 Resp: 75546
 Ion Ratio Lower Upper
 149 100
 91 81.1 70.5 105.7
 206 15.8 12.6 19.0

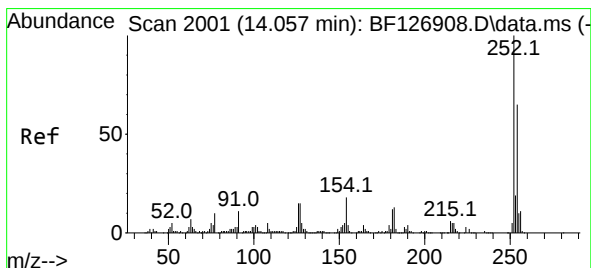
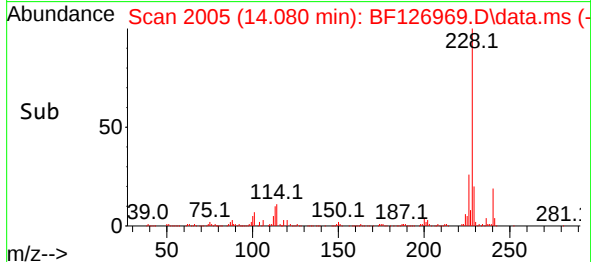
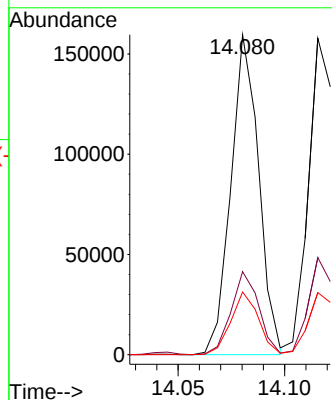
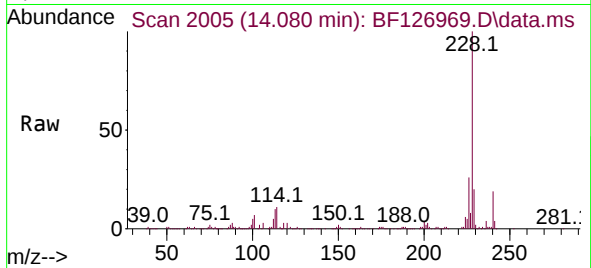




#81
Benzo(a)anthracene
Concen: 7.742 ng
RT: 14.080 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

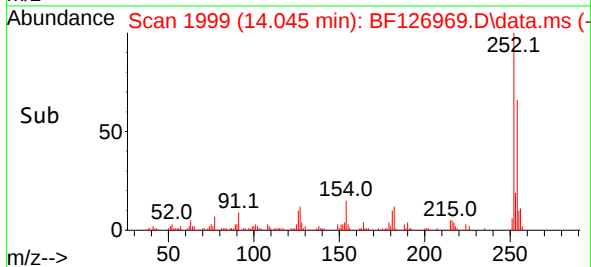
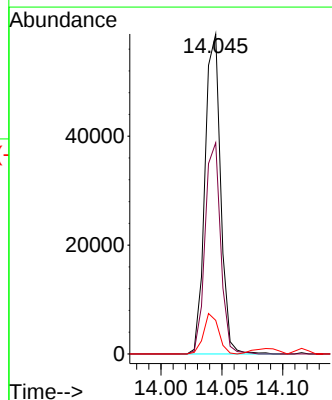
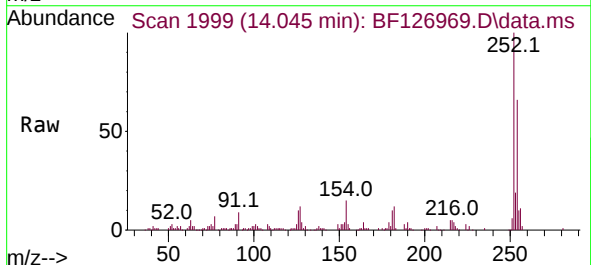
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

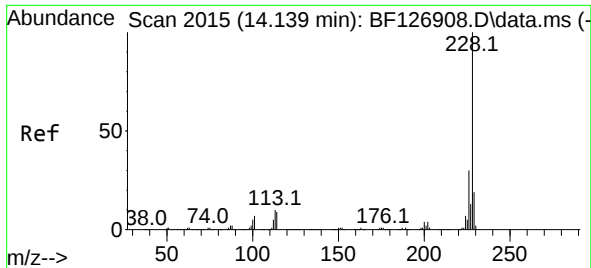
Tgt Ion:228 Resp: 144679
Ion Ratio Lower Upper
228 100
226 26.0 21.4 32.0
229 19.6 15.4 23.2



#82
3,3'-Dichlorobenzidine
Concen: 8.942 ng
RT: 14.045 min Scan# 1999
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

Tgt Ion:252 Resp: 52663
Ion Ratio Lower Upper
252 100
254 66.0 51.0 76.4
126 10.5 13.4 20.0#





#83

Chrysene

Concen: 7.958 ng

RT: 14.116 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF126969.D

Acq: 21 Feb 2022 13:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

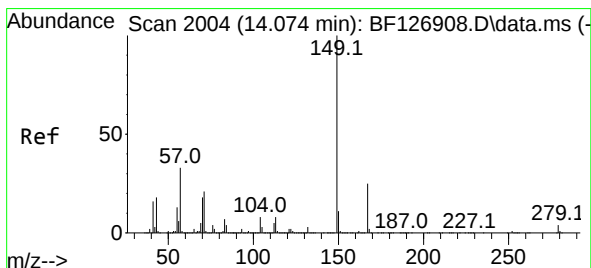
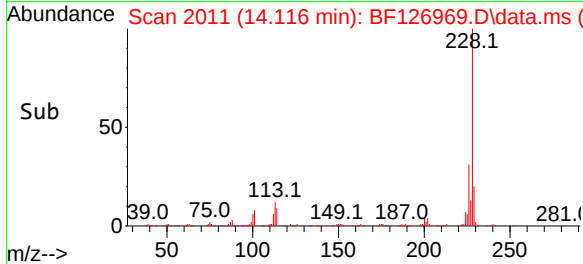
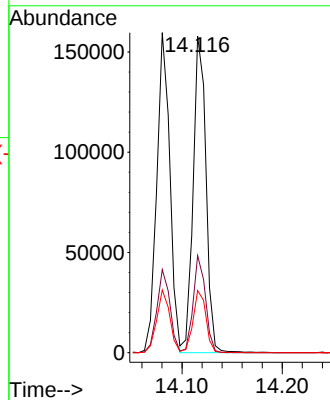
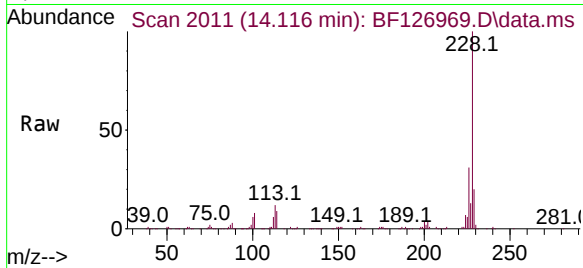
Tgt Ion:228 Resp: 139858

Ion Ratio Lower Upper

228 100

226 30.7 23.7 35.5

229 19.6 15.5 23.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.132 ng

RT: 14.063 min Scan# 2002

Delta R.T. 0.000 min

Lab File: BF126969.D

Acq: 21 Feb 2022 13:06

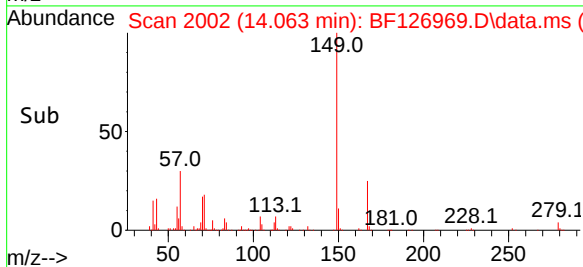
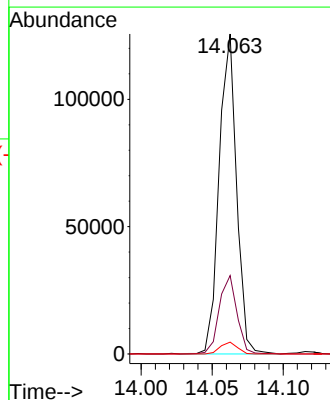
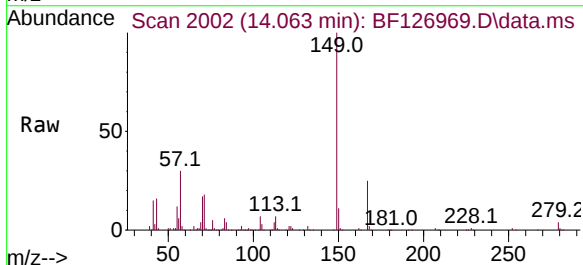
Tgt Ion:149 Resp: 106752

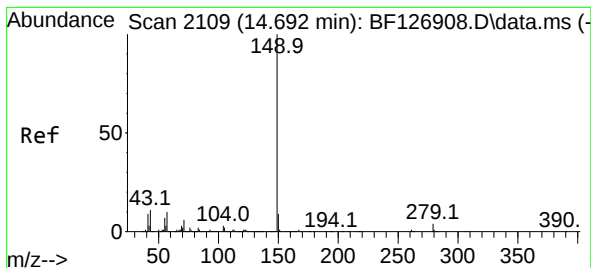
Ion Ratio Lower Upper

149 100

167 24.5 21.4 32.2

279 3.7 2.4 3.6#





#85

Di-n-octyl phthalate

Concen: 8.033 ng

RT: 14.680 min Scan# 2107

Delta R.T. 0.000 min

Lab File: BF126969.D

Acq: 21 Feb 2022 13:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

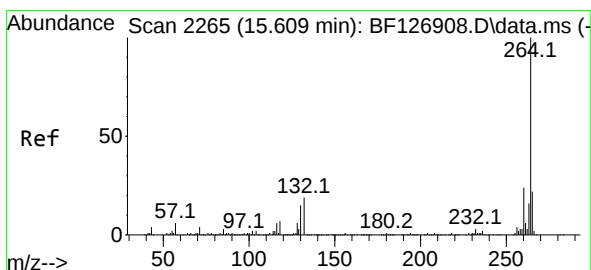
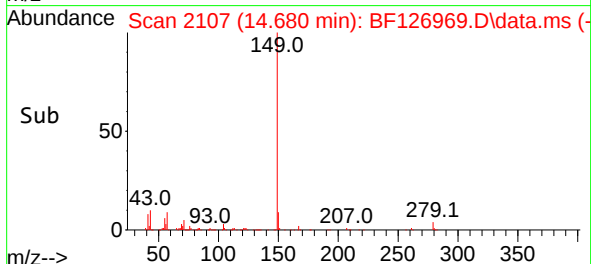
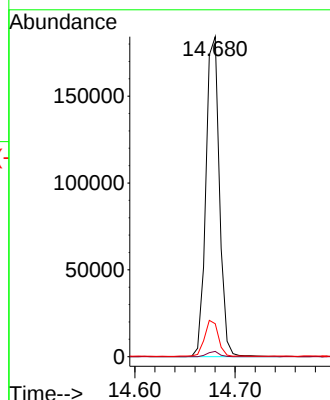
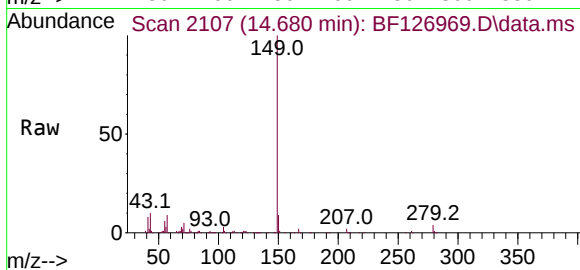
Tgt Ion:149 Resp: 173114

Ion Ratio Lower Upper

149 100

167 1.4 1.1 1.7

43 11.5 9.9 14.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 2262

Delta R.T. 0.000 min

Lab File: BF126969.D

Acq: 21 Feb 2022 13:06

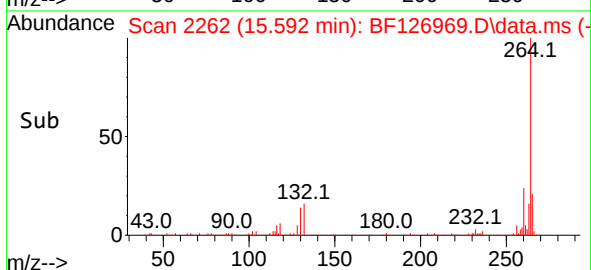
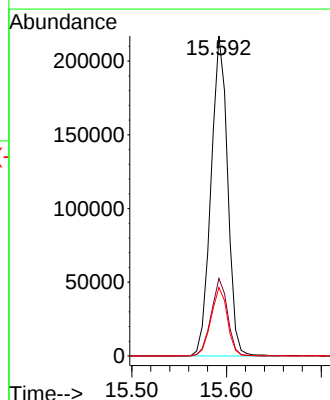
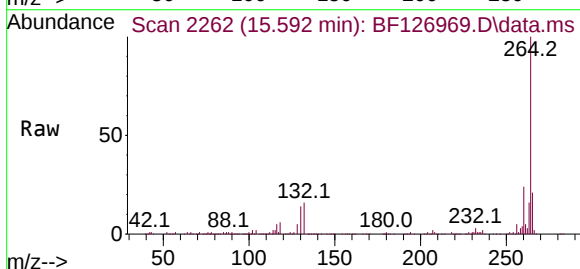
Tgt Ion:264 Resp: 263844

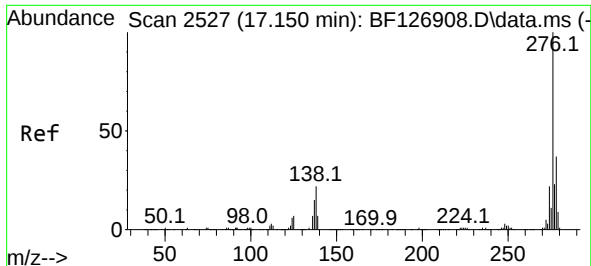
Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 21.4 17.4 26.2

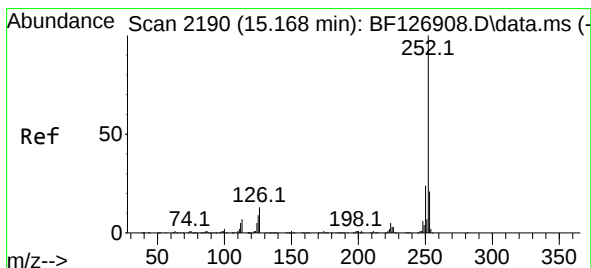
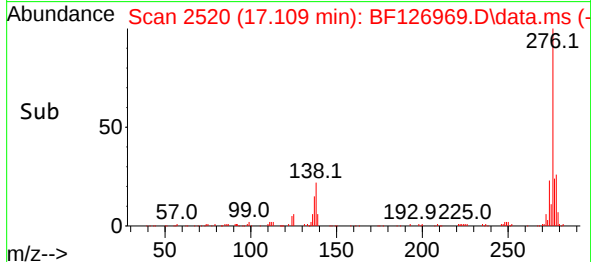
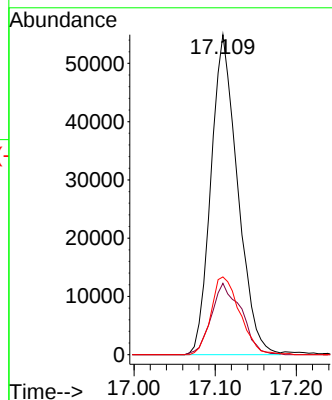
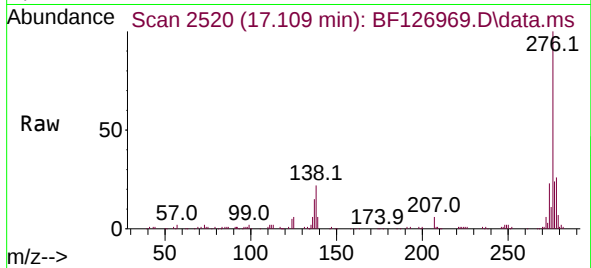




#87
Indeno(1,2,3-cd)pyrene
Concen: 7.244 ng
RT: 17.109 min Scan# 2186
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

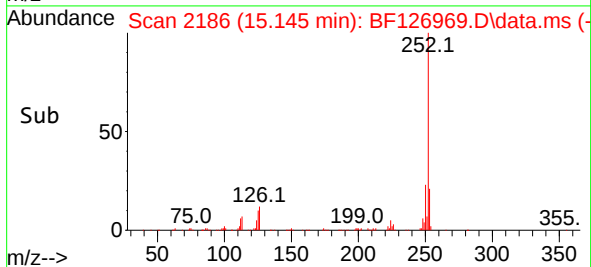
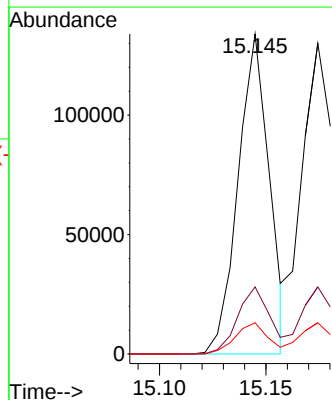
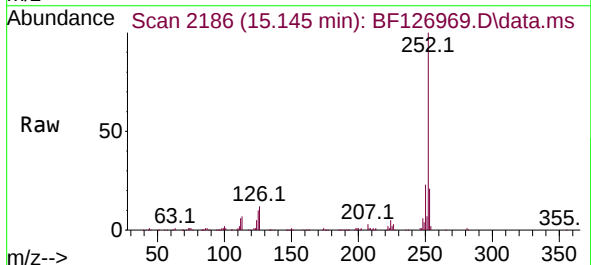
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

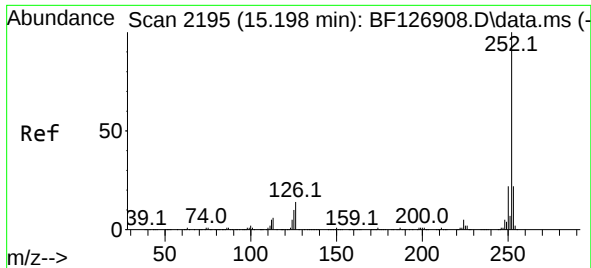
Tgt Ion:276 Resp: 125317
Ion Ratio Lower Upper
276 100
138 25.1 29.2 43.8#
277 26.4 19.8 29.8



#88
Benzo(b)fluoranthene
Concen: 7.697 ng
RT: 15.145 min Scan# 2186
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

Tgt Ion:252 Resp: 136403
Ion Ratio Lower Upper
252 100
253 21.0 17.8 26.8
125 9.7 12.4 18.6#

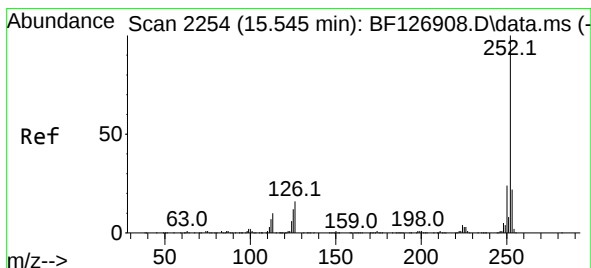
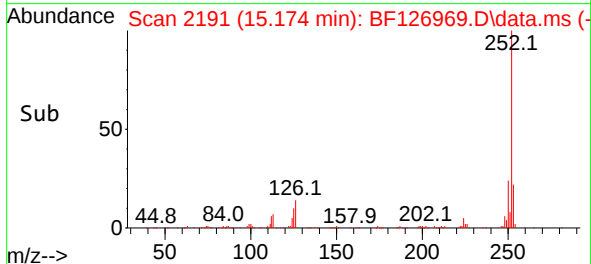
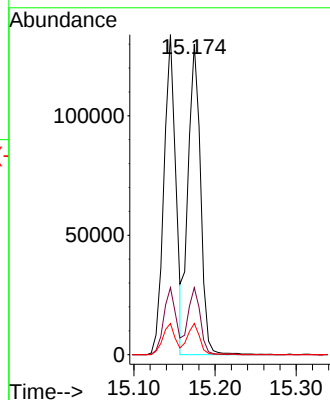
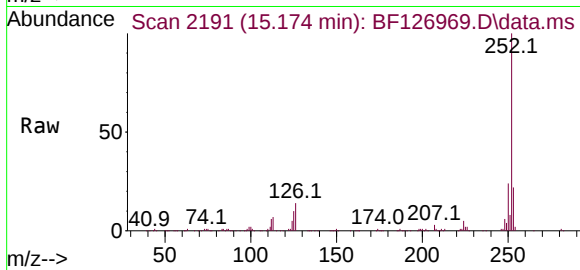




#89
Benzo(k)fluoranthene
Concen: 8.130 ng
RT: 15.174 min Scan# 2191
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

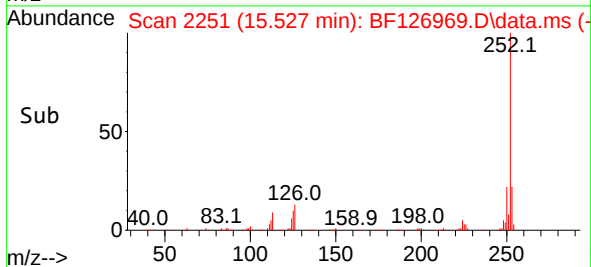
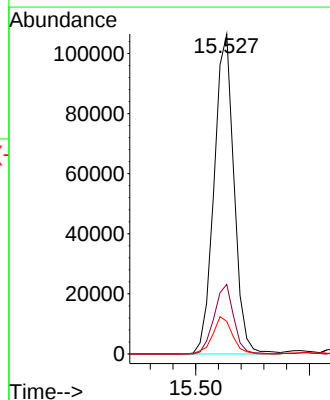
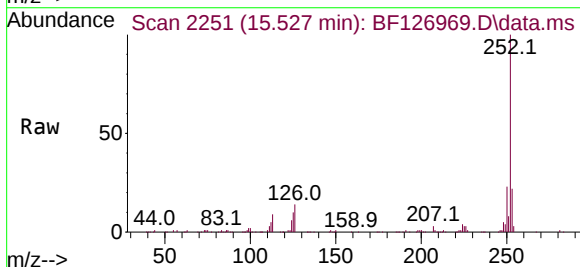
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

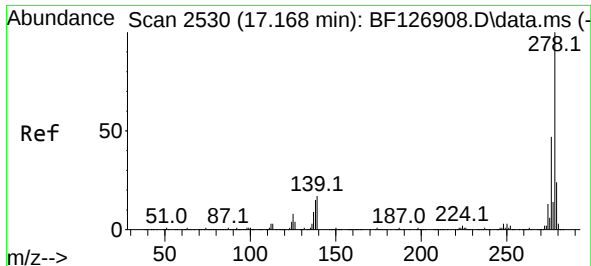
Tgt Ion:252 Resp: 138953
Ion Ratio Lower Upper
252 100
253 21.6 17.5 26.3
125 10.1 11.8 17.6#



#90
Benzo(a)pyrene
Concen: 9.366 ng
RT: 15.527 min Scan# 2251
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

Tgt Ion:252 Resp: 129636
Ion Ratio Lower Upper
252 100
253 21.8 17.1 25.7
125 10.2 13.0 19.6#

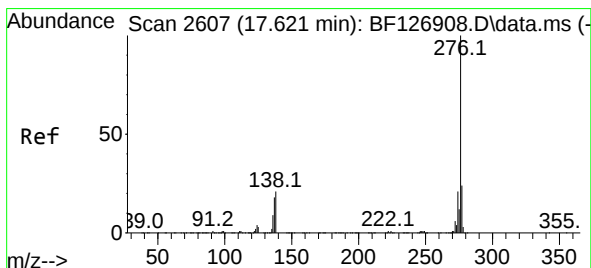
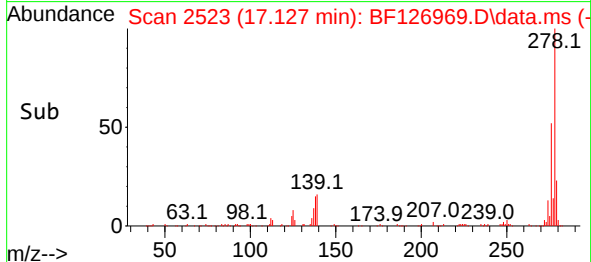
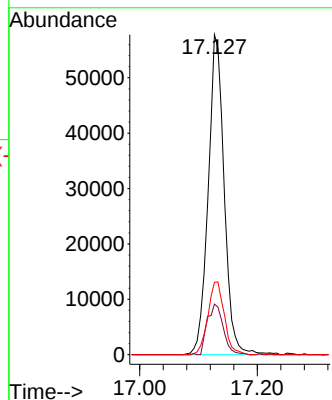
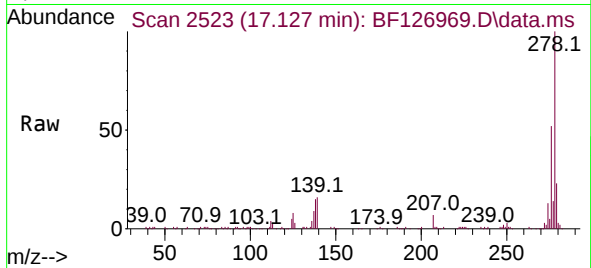




#91
Dibenzo(a,h)anthracene
Concen: 7.621 ng
RT: 17.127 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

Tgt Ion:278 Resp: 109047
Ion Ratio Lower Upper
278 100
139 15.8 18.0 27.0#
279 22.7 18.6 27.8



#92
Benzo(g,h,i)perylene
Concen: 7.433 ng
RT: 17.574 min Scan# 2599
Delta R.T. -0.012 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

Tgt Ion:276 Resp: 104854
Ion Ratio Lower Upper
276 100
277 22.8 18.5 27.7
138 18.6 25.9 38.9#

