

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021822\
 Data File : BF126955.D
 Acq On : 18 Feb 2022 16:40
 Operator : CG\JU
 Sample : M4068-03
 Misc : MDL-MDL-SOIL 8ppm
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Feb 18 17:24:20 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 16 14:55:48 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	97425	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	387337	20.000	ng	# 0.00
39) Acenaphthene-d10	9.969	164	203370	20.000	ng	0.00
64) Phenanthrene-d10	11.463	188	365648	20.000	ng	# 0.00
76) Chrysene-d12	14.104	240	251643	20.000	ng	# 0.00
86) Perylene-d12	15.609	264	193217	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.551	112	917412	145.540	ng	0.00
7) Phenol-d6	6.563	99	1258783	147.994	ng	0.00
23) Nitrobenzene-d5	7.498	82	721500	84.078	ng	0.00
42) 2,4,6-Tribromophenol	10.763	330	373136	159.356	ng	0.00
45) 2-Fluorobiphenyl	9.292	172	1168824	84.609	ng	0.00
79) Terphenyl-d14	13.051	244	1387769	81.070	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.751	88	21885	7.587	ng	# 93
3) Pyridine	3.575	79	54131	7.155	ng	95
4) n-Nitrosodimethylamine	3.469	42	28475	7.683	ng	# 72
6) Aniline	6.598	93	87524	8.685	ng	96
8) 2-Chlorophenol	6.716	128	57355	8.480	ng	98
9) Benzaldehyde	6.486	77	52962	10.229	ng	97
10) Phenol	6.569	94	68929	8.020	ng	77
11) bis(2-Chloroethyl)ether	6.669	93	53623	7.955	ng	98
12) 1,3-Dichlorobenzene	6.869	146	61052	8.368	ng	95
13) 1,4-Dichlorobenzene	6.945	146	61334	8.292	ng	98
14) 1,2-Dichlorobenzene	7.098	146	57926	8.212	ng	99
15) Benzyl Alcohol	7.063	79	65924	9.200	ng	92
16) 2,2'-oxybis(1-Chloropr...	7.198	45	80129	7.549	ng	97
17) 2-Methylphenol	7.169	107	46547	7.955	ng	93
18) Hexachloroethane	7.439	117	23421	8.261	ng	97
19) n-Nitroso-di-n-propyla...	7.333	70	44501	8.119	ng	# 96
20) 3+4-Methylphenols	7.322	107	60409	7.950	ng	# 74
22) Acetophenone	7.333	105	86490	8.481	ng	95
24) Nitrobenzene	7.510	77	69611	8.587	ng	93
25) Isophorone	7.745	82	120554	8.490	ng	97
26) 2-Nitrophenol	7.828	139	27960	8.101	ng	# 84
27) 2,4-Dimethylphenol	7.851	122	53108	9.366	ng	92
28) bis(2-Chloroethoxy)met...	7.951	93	69292	8.049	ng	99
29) 2,4-Dichlorophenol	8.063	162	42412	7.956	ng	98
30) 1,2,4-Trichlorobenzene	8.151	180	46756	7.845	ng	99
31) Naphthalene	8.233	128	168015	8.309	ng	99
32) Benzoic acid	7.922	122	19053	4.738	ng	91
33) 4-Chloroaniline	8.280	127	67504	8.482	ng	98
34) Hexachlorobutadiene	8.345	225	27410	7.878	ng	96
35) Caprolactam	8.616	113	13833	7.431	ng	90
36) 4-Chloro-3-methylphenol	8.751	107	54650	8.022	ng	98
37) 2-Methylnaphthalene	8.922	142	110500	8.422	ng	94
38) 1-Methylnaphthalene	9.022	142	105851	8.425	ng	98
40) 1,2,4,5-Tetrachloroben...	9.086	216	45594	8.517	ng	98
41) Hexachlorocyclopentadiene	9.075	237	19839	6.833	ng	95
43) 2,4,6-Trichlorophenol	9.198	196	28634	7.293	ng	96

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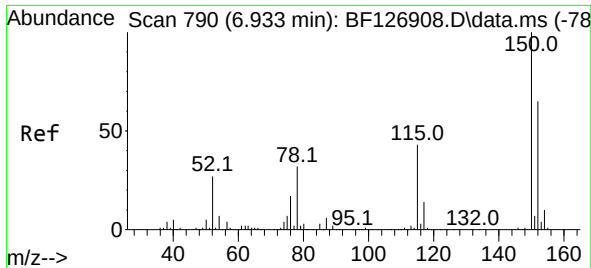
Quant Time: Feb 18 17:24:20 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.239	196	31736	7.681	ng	92
46) 1,1'-Biphenyl	9.386	154	137038	8.505	ng	97
47) 2-Chloronaphthalene	9.416	162	96727	8.095	ng	95
48) 2-Nitroaniline	9.504	65	36170	7.671	ng	92
49) Acenaphthylene	9.833	152	170955	8.808	ng	96
50) Dimethylphthalate	9.680	163	115933	7.975	ng	100
51) 2,6-Dinitrotoluene	9.745	165	25342	8.569	ng	89
52) Acenaphthene	10.004	154	99880	7.913	ng	98
53) 3-Nitroaniline	9.916	138	27043	7.480	ng	96
54) 2,4-Dinitrophenol	10.022	184	7554	4.826	ng	# 90
55) Dibenzofuran	10.174	168	143003	8.239	ng	94
56) 4-Nitrophenol	10.069	139	17656	6.612	ng	# 75
57) 2,4-Dinitrotoluene	10.145	165	31907	7.979	ng	# 87
58) Fluorene	10.516	166	112172	8.297	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.286	232	24594	7.508	ng	97
60) Diethylphthalate	10.380	149	125427	8.258	ng	98
61) 4-Chlorophenyl-phenyle...	10.510	204	52067	8.167	ng	99
62) 4-Nitroaniline	10.527	138	27121	7.597	ng	# 81
63) Azobenzene	10.669	77	130263	7.702	ng	95
65) 4,6-Dinitro-2-methylph...	10.557	198	11990	5.581	ng	91
66) n-Nitrosodiphenylamine	10.627	169	98226	8.192	ng	99
67) 4-Bromophenyl-phenylether	10.998	248	32305	7.907	ng	# 85
68) Hexachlorobenzene	11.063	284	36014	8.189	ng	94
69) Atrazine	11.145	200	32520	8.745	ng	95
70) Pentachlorophenol	11.257	266	14672	6.111	ng	98
71) Phenanthrene	11.486	178	169538	8.284	ng	98
72) Anthracene	11.533	178	174455	8.563	ng	98
73) Carbazole	11.686	167	146627	7.848	ng	99
74) Di-n-butylphthalate	12.015	149	199398	8.301	ng	98
75) Fluoranthene	12.674	202	162071	8.340	ng	94
77) Benzidine	12.798	184	70200	10.265	ng	97
78) Pyrene	12.904	202	165013	7.548	ng	99
80) Butylbenzylphthalate	13.515	149	78183	7.554	ng	91
81) Benzo(a)anthracene	14.092	228	132002	7.781	ng	100
82) 3,3'-Dichlorobenzidine	14.057	252	43579	8.151	ng	# 96
83) Chrysene	14.127	228	125131	7.844	ng	99
84) Bis(2-ethylhexyl)phtha...	14.074	149	110807	8.155	ng	# 95
85) Di-n-octyl phthalate	14.686	149	168636	8.620	ng	97
87) Indeno(1,2,3-cd)pyrene	17.133	276	81406	6.425	ng	# 88
88) Benzo(b)fluoranthene	15.162	252	107449	8.280	ng	# 95
89) Benzo(k)fluoranthene	15.192	252	104222	8.327	ng	# 92
90) Benzo(a)pyrene	15.539	252	96000	9.471	ng	# 95
91) Dibenzo(a,h)anthracene	17.156	278	70123	6.692	ng	# 93
92) Benzo(g,h,i)perylene	17.603	276	69441	6.722	ng	# 84

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

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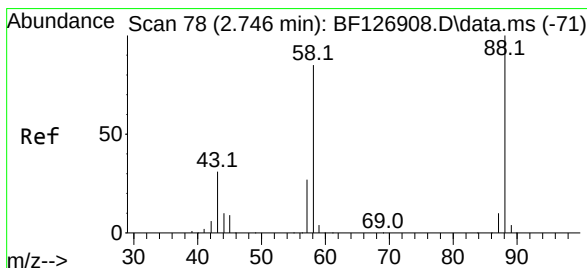
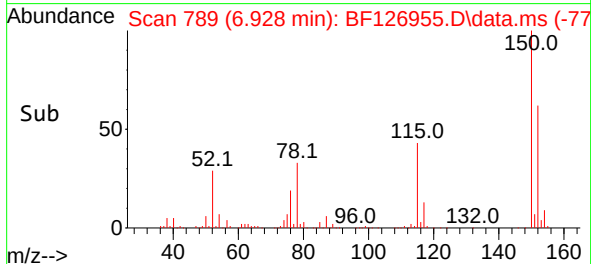
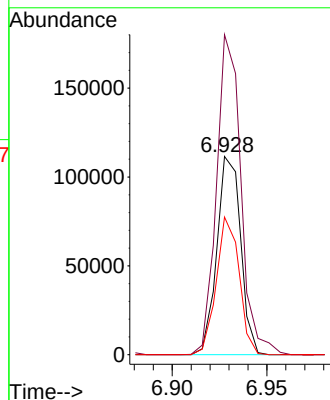
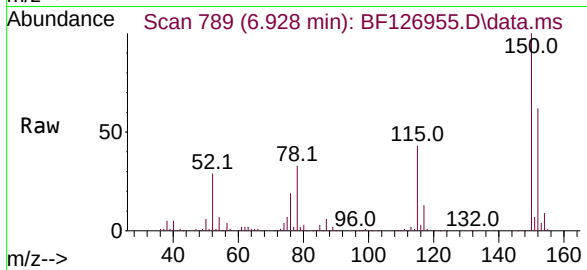




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 79
 Delta R.T. -0.005 min
 Lab File: BF126955.D
 Acq: 18 Feb 2022 16:40

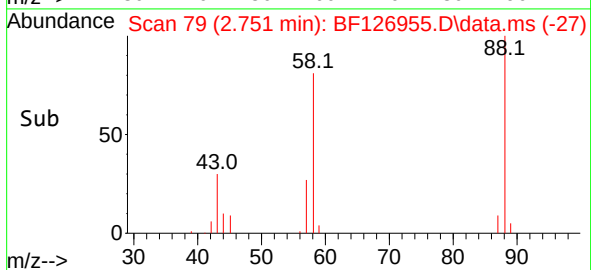
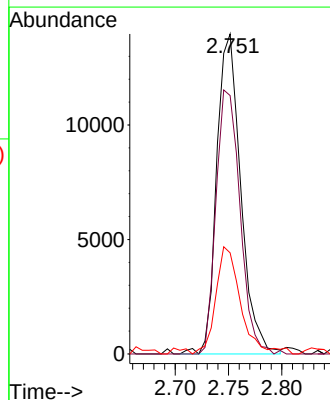
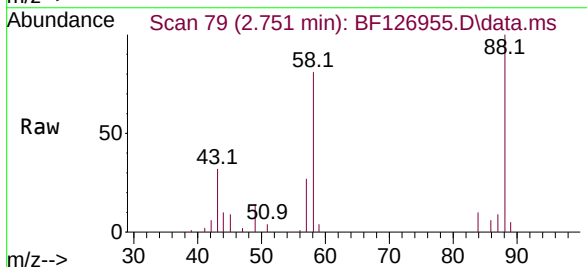
Instrument :
 BNA_F
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 MDL-SOIL-03-QT4-2021

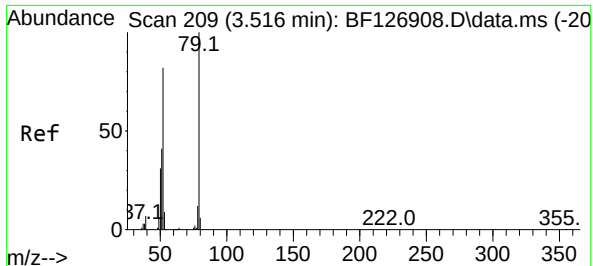
Tgt Ion:152 Resp: 97425
 Ion Ratio Lower Upper
 152 100
 150 161.4 128.1 192.1
 115 69.4 56.7 85.1



#2
 1,4-Dioxane
 Concen: 7.587 ng
 RT: 2.751 min Scan# 79
 Delta R.T. 0.006 min
 Lab File: BF126955.D
 Acq: 18 Feb 2022 16:40

Tgt Ion: 88 Resp: 21885
 Ion Ratio Lower Upper
 88 100
 58 82.4 62.8 94.2
 43 34.7 22.3 33.5#





#3

Pyridine

Concen: 7.155 ng

RT: 3.575 min Scan# 21

Delta R.T. 0.059 min

Lab File: BF126955.D

Acq: 18 Feb 2022 16:40

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

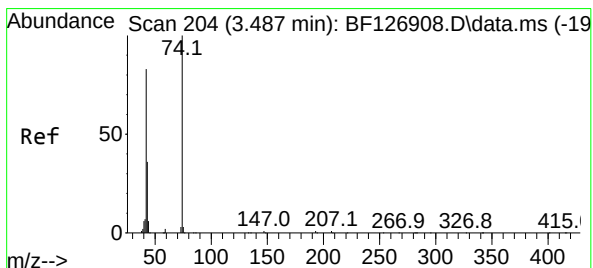
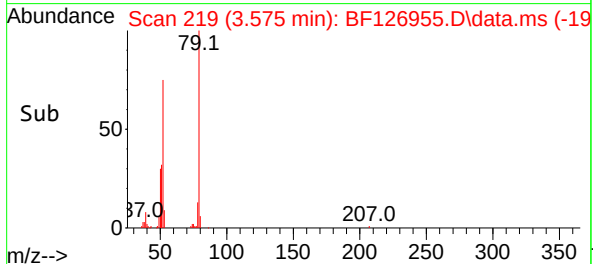
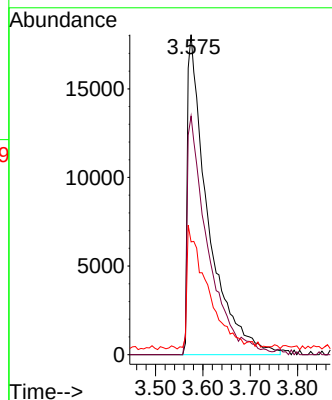
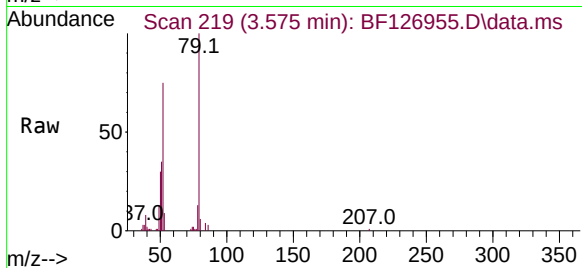
Tgt Ion: 79 Resp: 54131

Ion Ratio Lower Upper

79 100

52 74.5 56.2 84.4

51 35.3 26.7 40.1



#4

n-Nitrosodimethylamine

Concen: 7.683 ng

RT: 3.469 min Scan# 201

Delta R.T. -0.018 min

Lab File: BF126955.D

Acq: 18 Feb 2022 16:40

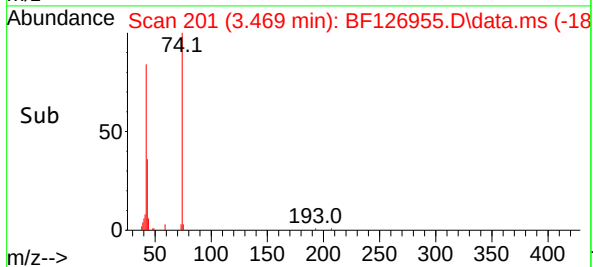
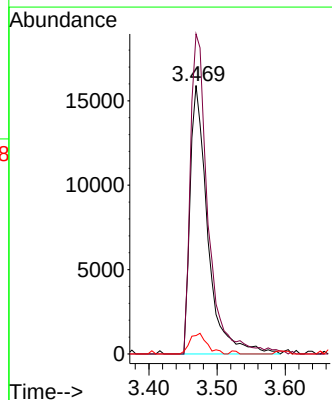
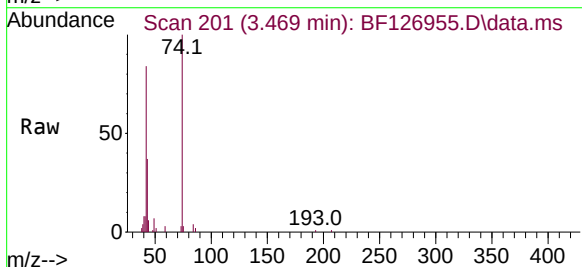
Tgt Ion: 42 Resp: 28475

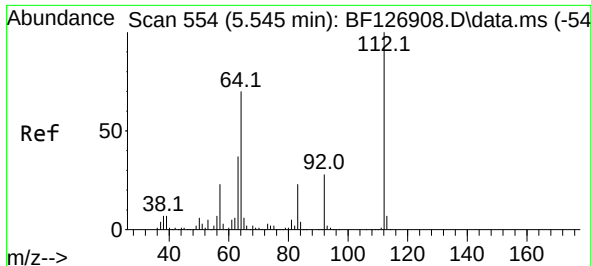
Ion Ratio Lower Upper

42 100

74 119.2 125.6 188.4#

44 6.9 5.7 8.5

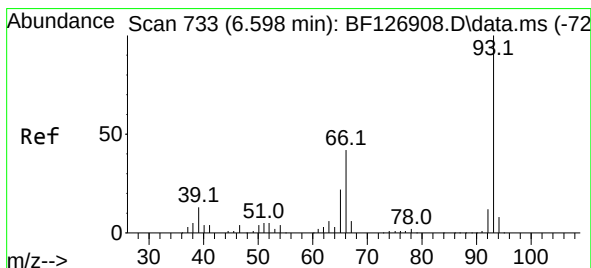
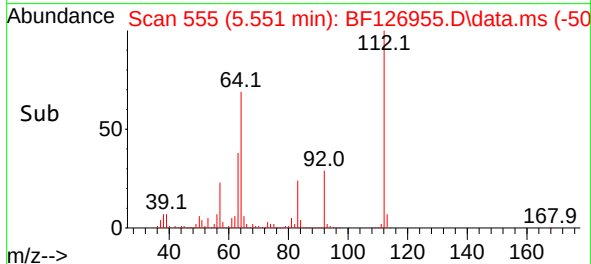
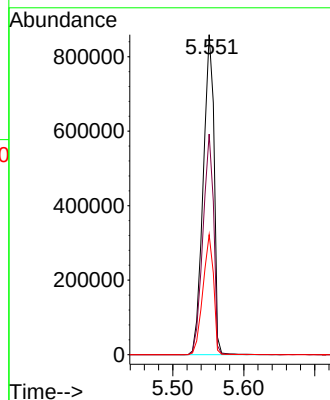
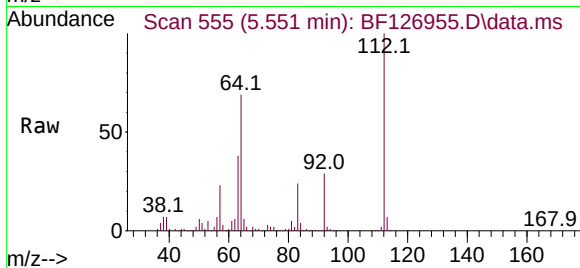




#5
2-Fluorophenol
Concen: 145.540 ng
RT: 5.551 min Scan# 511
Delta R.T. 0.006 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

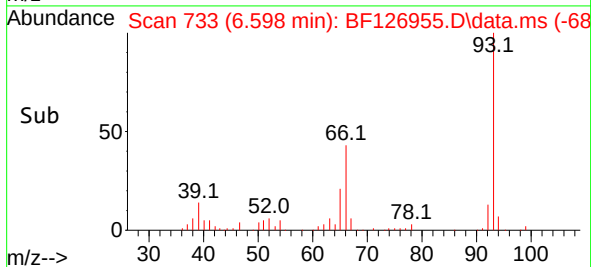
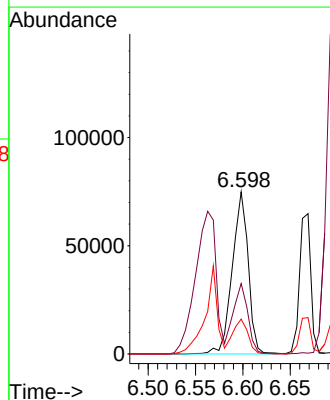
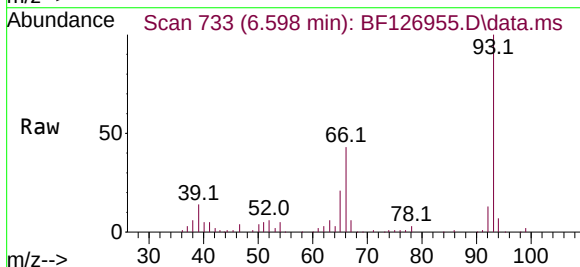
Instrument :
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ClientSampleId :
MDL-SOIL-03-QT4-2021

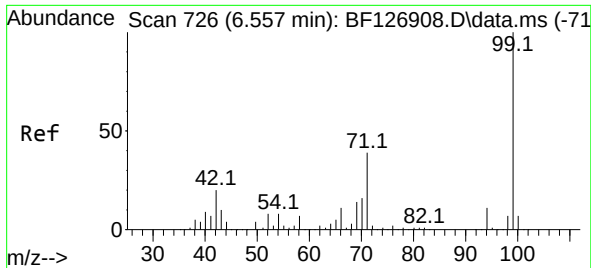
Tgt Ion:112 Resp: 917412
Ion Ratio Lower Upper
112 100
64 69.0 49.5 74.3
63 37.5 23.9 35.9#



#6
Aniline
Concen: 8.685 ng
RT: 6.598 min Scan# 733
Delta R.T. -0.000 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

Tgt Ion: 93 Resp: 87524
Ion Ratio Lower Upper
93 100
66 43.4 32.2 48.4
65 21.5 16.3 24.5





#7

Phenol-d6

Concen: 147.994 ng

RT: 6.563 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF126955.D

Acq: 18 Feb 2022 16:40

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

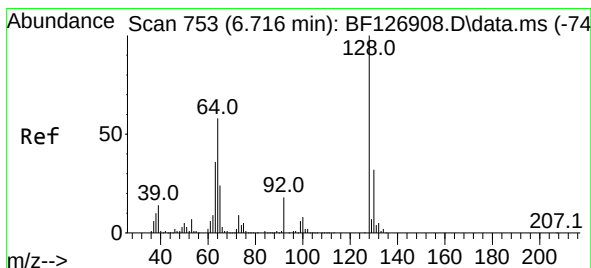
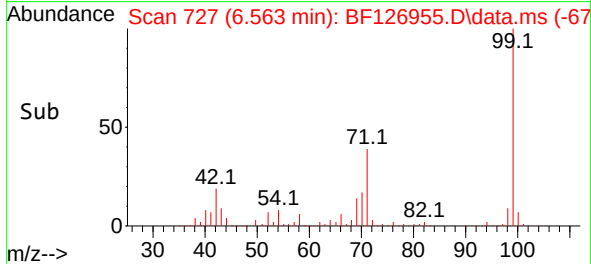
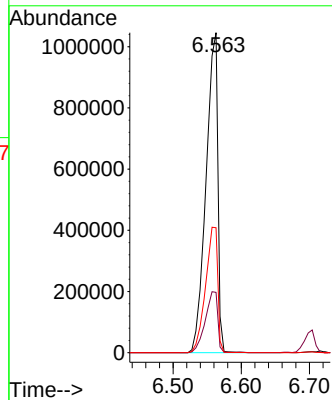
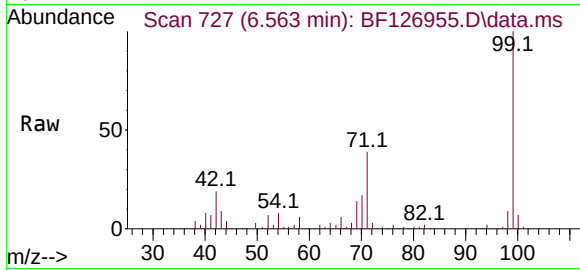
Tgt Ion: 99 Resp: 1258783

Ion Ratio Lower Upper

99 100

42 18.9 14.2 21.4

71 39.1 24.3 36.5#



#8

2-Chlorophenol

Concen: 8.480 ng

RT: 6.716 min Scan# 753

Delta R.T. 0.000 min

Lab File: BF126955.D

Acq: 18 Feb 2022 16:40

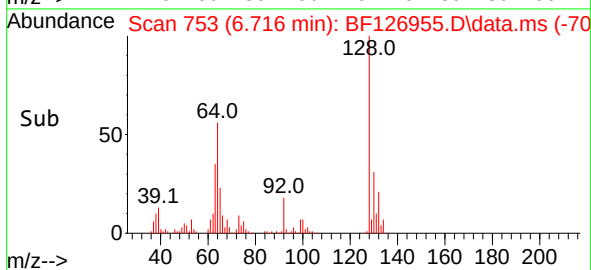
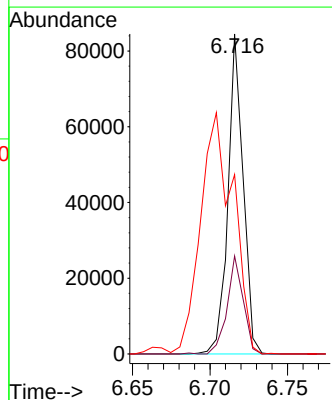
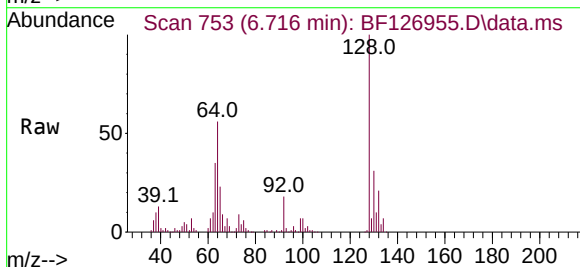
Tgt Ion:128 Resp: 57355

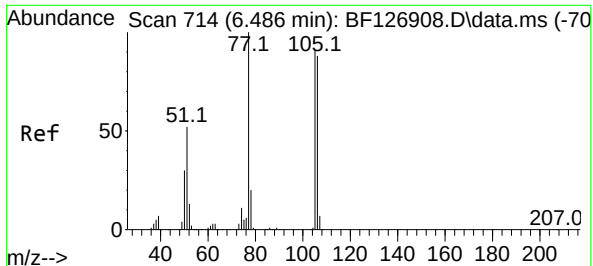
Ion Ratio Lower Upper

128 100

130 30.6 12.7 52.7

64 56.1 35.6 75.6

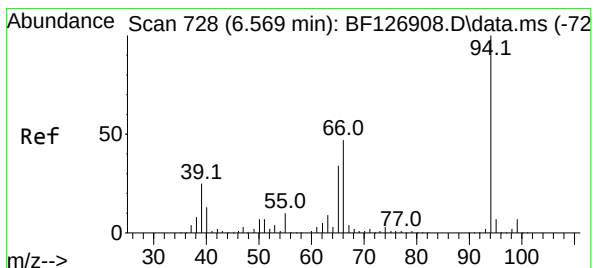
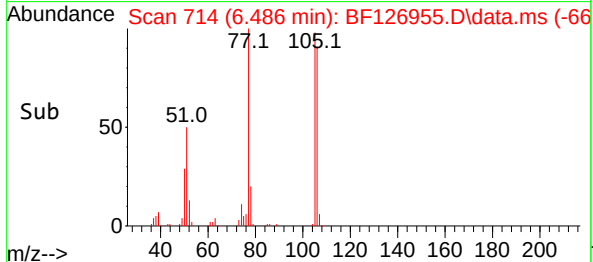
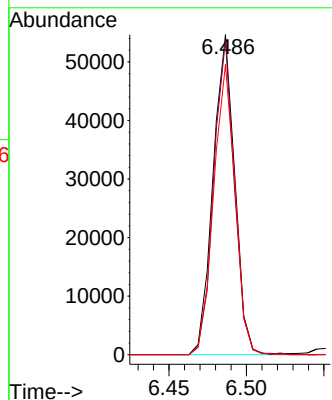
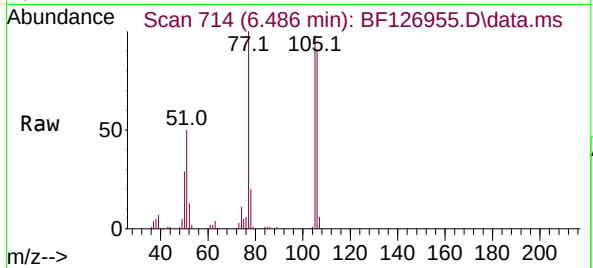




#9
Benzaldehyde
Concen: 10.229 ng
RT: 6.486 min Scan# 714
Delta R.T. -0.000 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

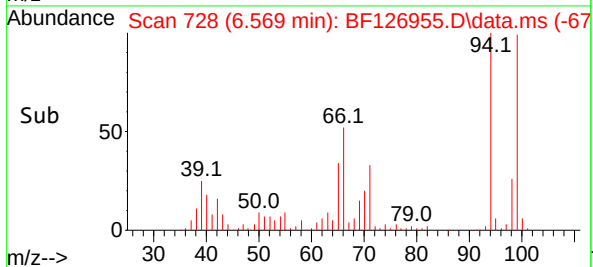
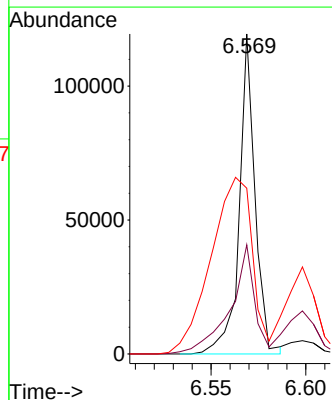
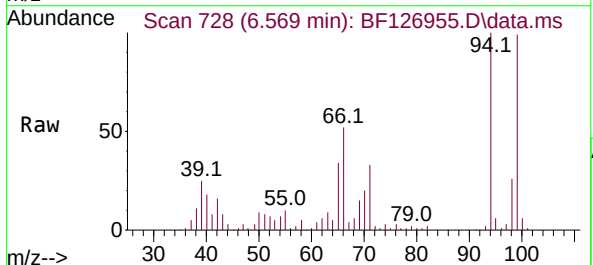
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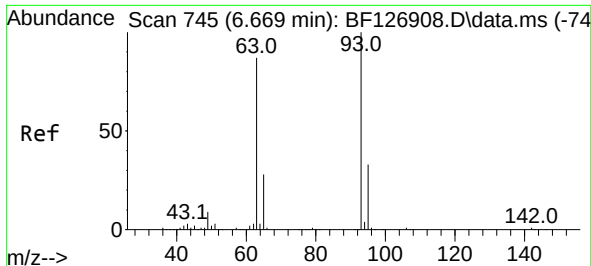
Tgt Ion: 77 Resp: 52962
Ion Ratio Lower Upper
77 100
105 98.3 74.9 114.9
106 90.7 72.4 112.4



#10
Phenol
Concen: 8.020 ng
RT: 6.569 min Scan# 728
Delta R.T. 0.000 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

Tgt Ion: 94 Resp: 68929
Ion Ratio Lower Upper
94 100
65 34.1 7.2 47.2
66 51.8 14.5 54.5

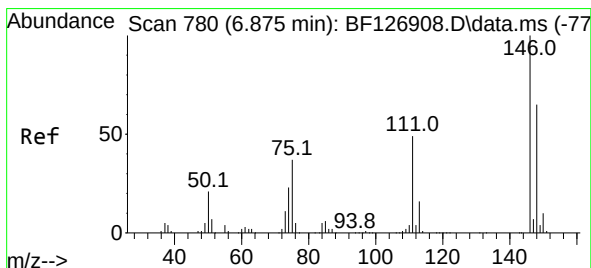
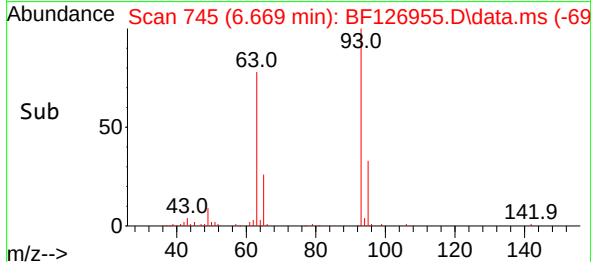
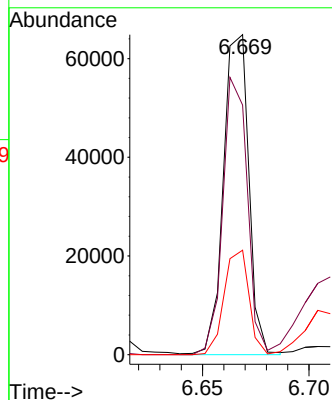
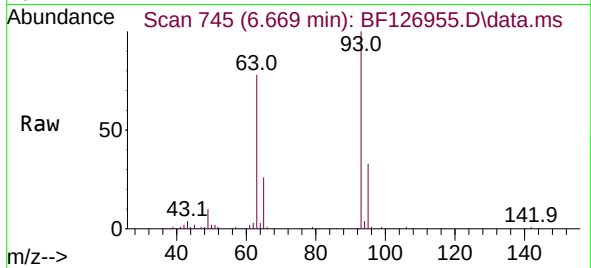




#11
bis(2-Chloroethyl)ether
Concen: 7.955 ng
RT: 6.669 min Scan# 745
Delta R.T. -0.000 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

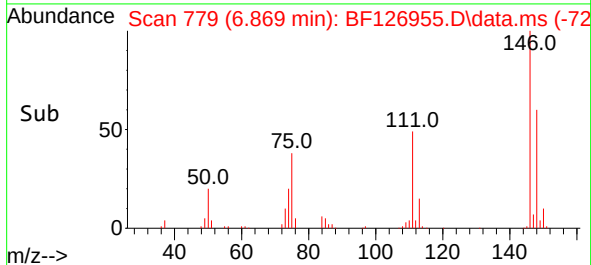
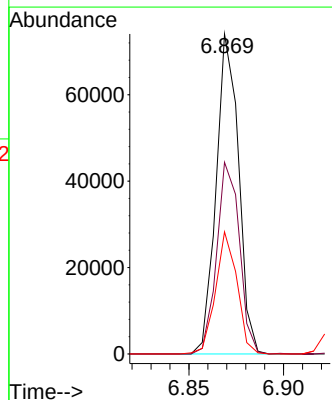
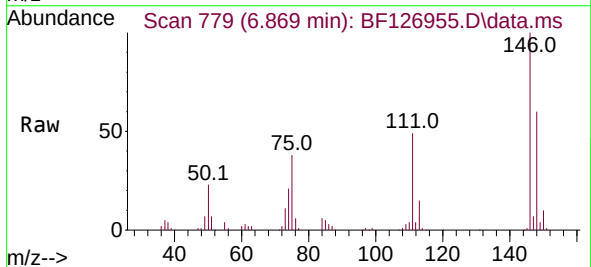
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

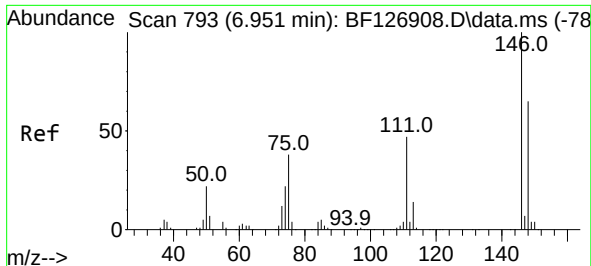
Tgt Ion: 93 Resp: 53623
Ion Ratio Lower Upper
93 100
63 78.0 60.5 100.5
95 32.7 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 8.368 ng
RT: 6.869 min Scan# 779
Delta R.T. -0.006 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

Tgt Ion:146 Resp: 61052
Ion Ratio Lower Upper
146 100
148 59.9 50.9 76.3
75 38.2 28.4 42.6

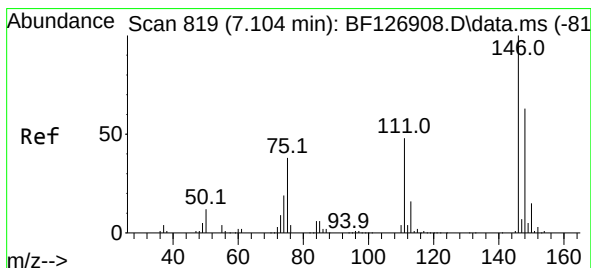
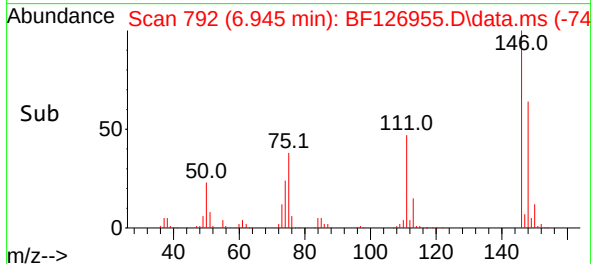
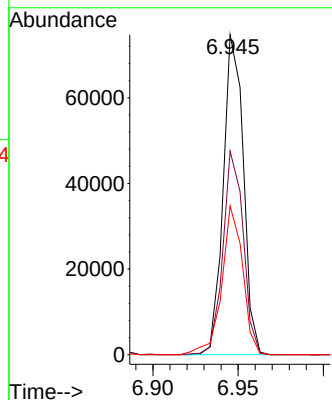
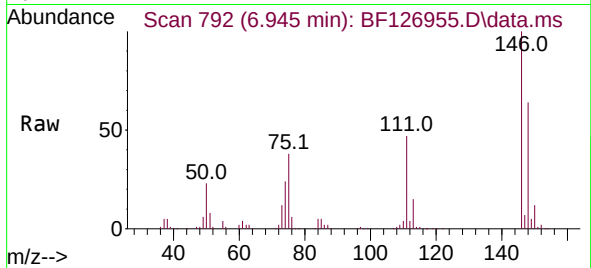




#13
1,4-Dichlorobenzene
Concen: 8.292 ng
RT: 6.945 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

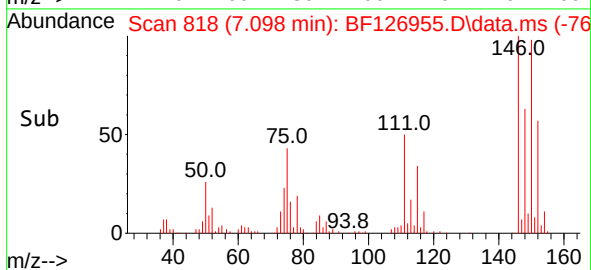
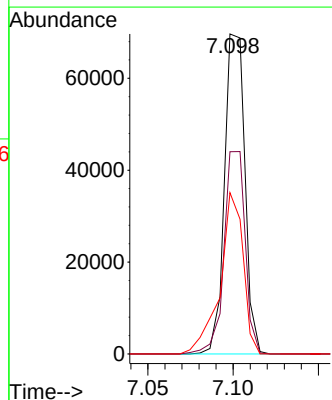
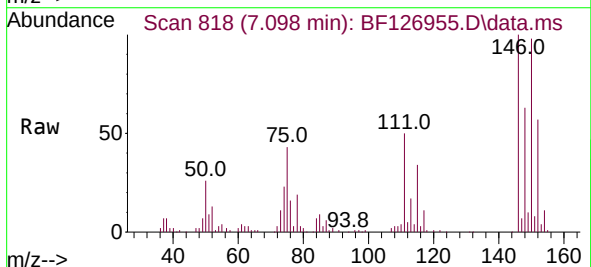
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

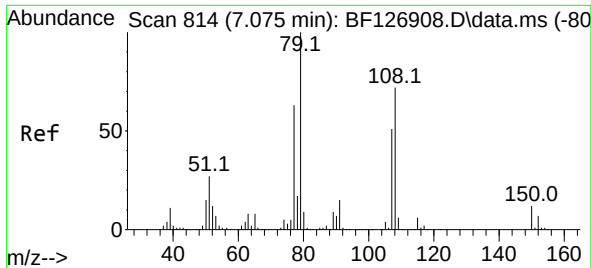
Tgt Ion:146 Resp: 61334
Ion Ratio Lower Upper
146 100
148 63.6 49.8 74.6
111 46.5 36.1 54.1



#14
1,2-Dichlorobenzene
Concen: 8.212 ng
RT: 7.098 min Scan# 818
Delta R.T. -0.006 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

Tgt Ion:146 Resp: 57926
Ion Ratio Lower Upper
146 100
148 63.2 51.6 77.4
111 50.4 40.2 60.2

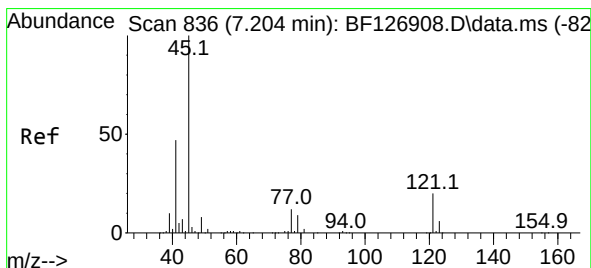
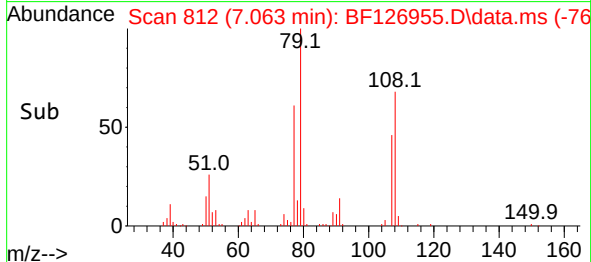
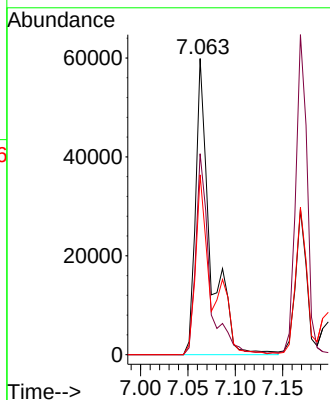
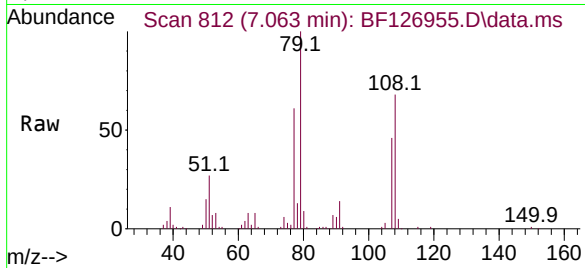




#15
Benzyl Alcohol
Concen: 9.200 ng
RT: 7.063 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

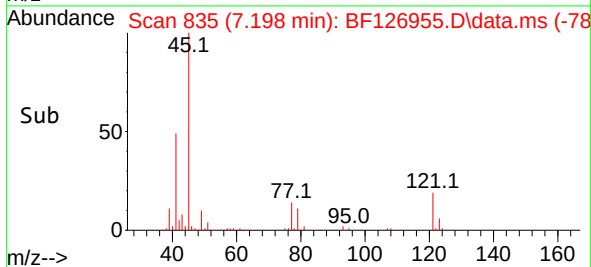
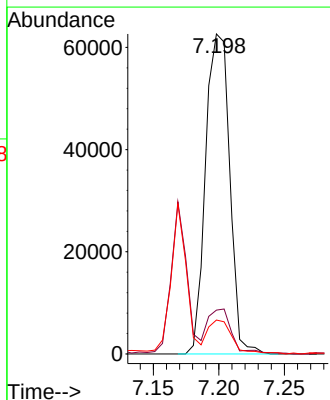
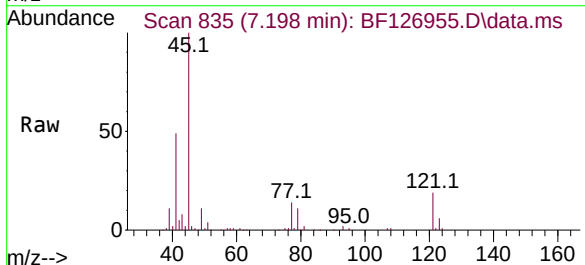
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

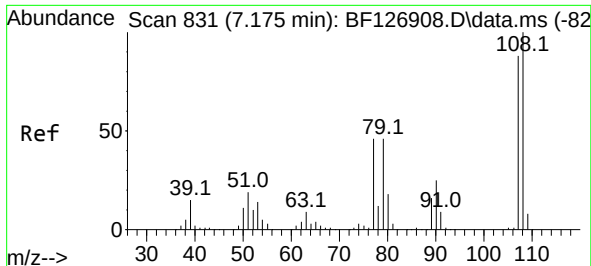
Tgt Ion: 79 Resp: 65924
Ion Ratio Lower Upper
79 100
108 67.9 63.2 94.8
77 60.7 49.4 74.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.549 ng
RT: 7.198 min Scan# 835
Delta R.T. -0.006 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

Tgt Ion: 45 Resp: 80129
Ion Ratio Lower Upper
45 100
77 13.7 0.0 32.4
79 10.6 0.0 29.8

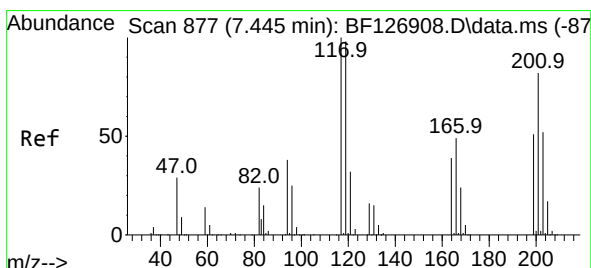
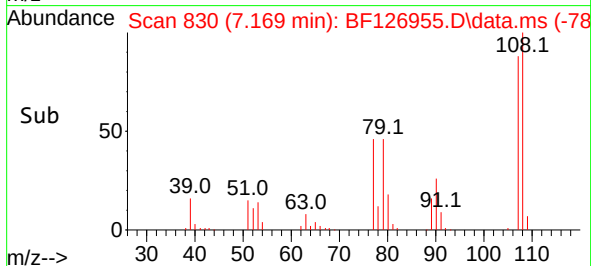
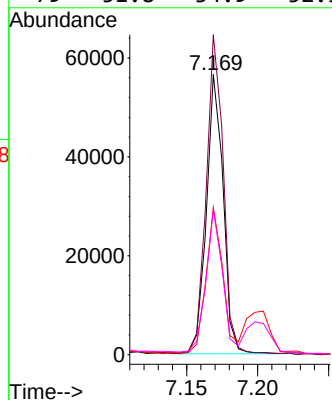
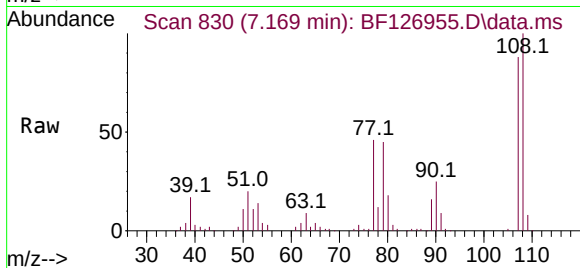




#17
2-Methylphenol
Concen: 7.955 ng
RT: 7.169 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

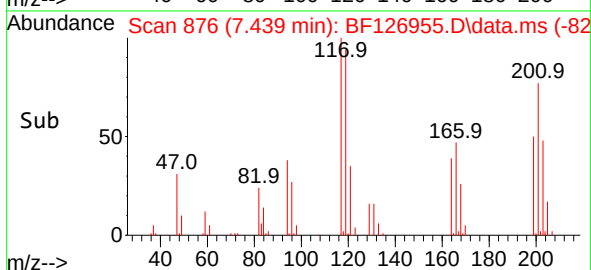
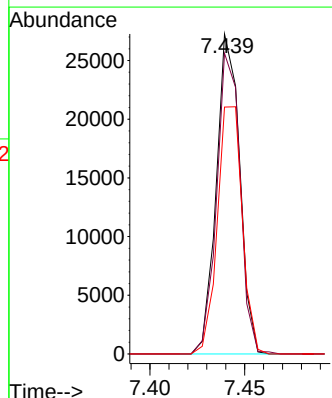
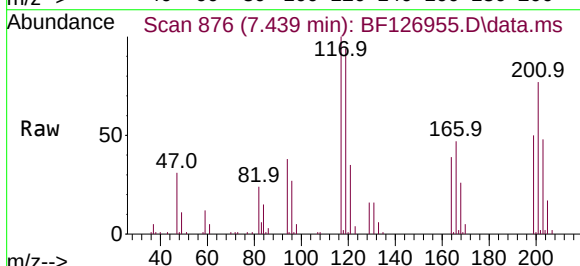
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

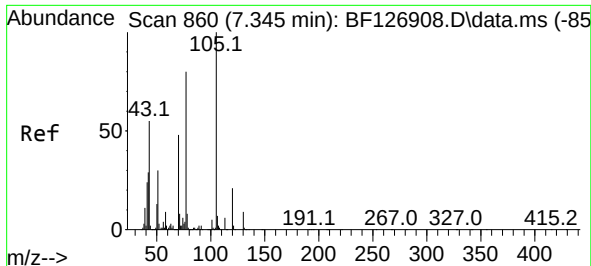
Tgt Ion:	107	Resp:	46547
Ion	Ratio	Lower	Upper
107	100		
108	114.2	93.4	140.0
77	52.6	36.1	54.1
79	51.8	34.9	52.3



#18
Hexachloroethane
Concen: 8.261 ng
RT: 7.439 min Scan# 876
Delta R.T. -0.006 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

Tgt Ion:	117	Resp:	23421
Ion	Ratio	Lower	Upper
117	100		
119	94.0	75.4	113.0
201	77.2	56.8	85.2

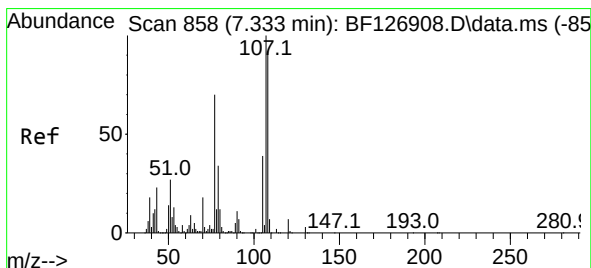
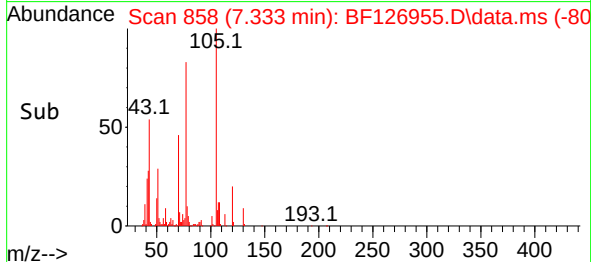
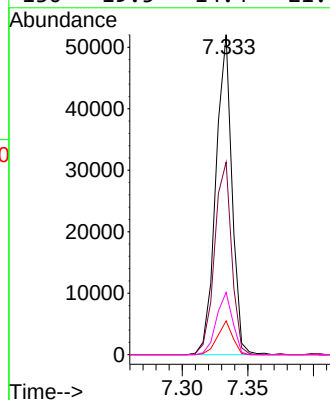
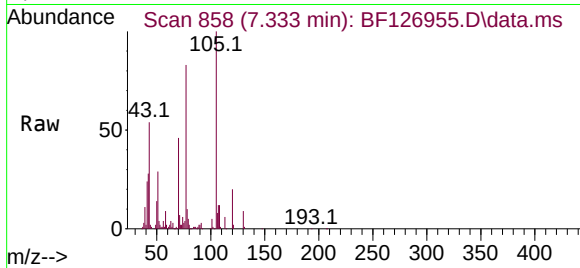




#19
n-Nitroso-di-n-propylamine
Concen: 8.119 ng
RT: 7.333 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

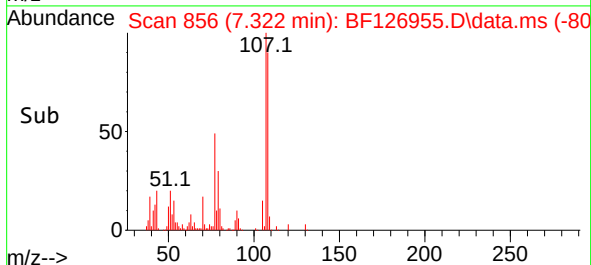
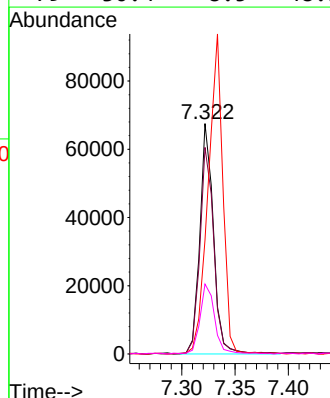
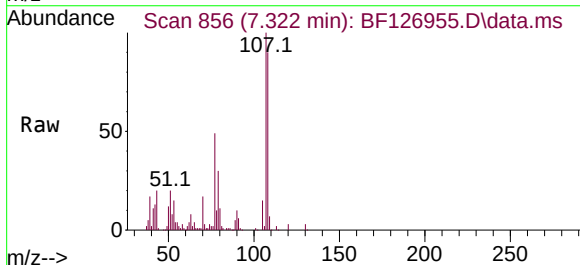
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

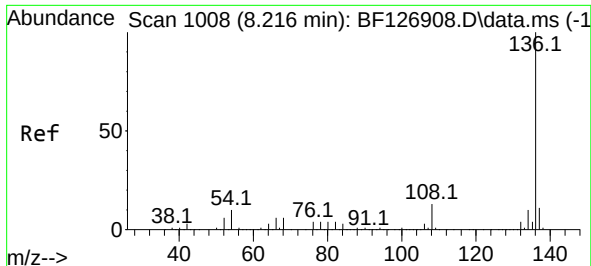
Tgt Ion:	70	Resp:	44501
Ion	Ratio	Lower	Upper
70	100		
42	60.2	45.8	68.8
101	10.5	6.9	10.3
130	19.5	14.4	21.6



#20
3+4-Methylphenols
Concen: 7.950 ng
RT: 7.322 min Scan# 856
Delta R.T. -0.012 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

Tgt Ion:	107	Resp:	60409
Ion	Ratio	Lower	Upper
107	100		
108	89.6	72.4	112.4
77	49.5	83.8	123.8
79	30.4	8.5	48.5

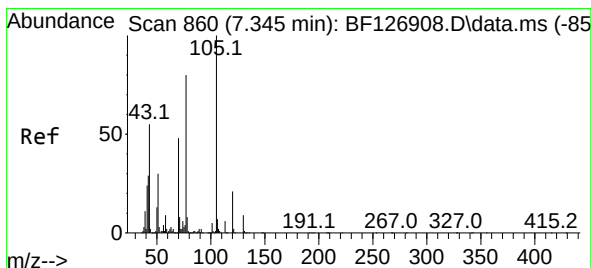
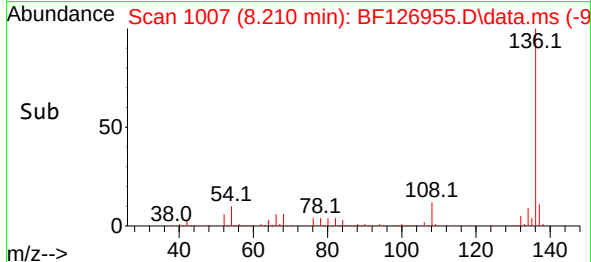
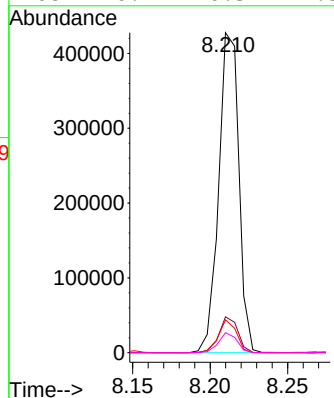
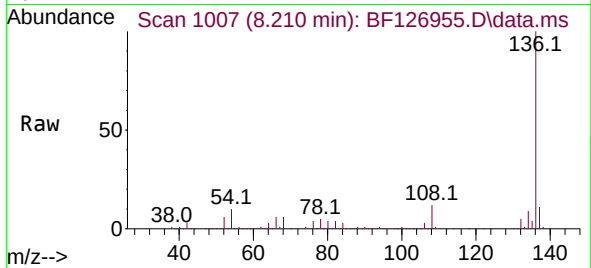




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

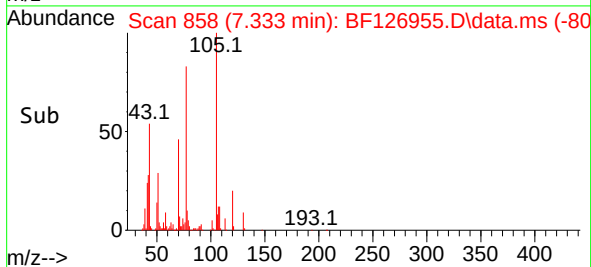
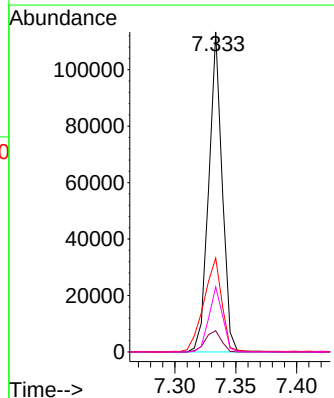
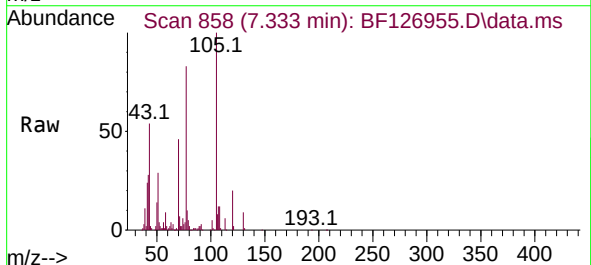
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

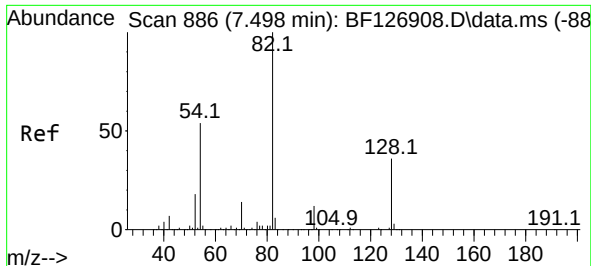
Tgt Ion:136 Resp: 387337
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 10.2 7.8 11.6
68 6.2 6.3 9.5#



#22
Acetophenone
Concen: 8.481 ng
RT: 7.333 min Scan# 858
Delta R.T. -0.012 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

Tgt Ion:105 Resp: 86490
Ion Ratio Lower Upper
105 100
71 6.7 5.4 8.0
51 29.3 27.4 41.0
120 20.3 17.0 25.6





#23

Nitrobenzene-d5

Concen: 84.078 ng

RT: 7.498 min Scan# 886

Delta R.T. -0.000 min

Lab File: BF126955.D

Acq: 18 Feb 2022 16:40

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

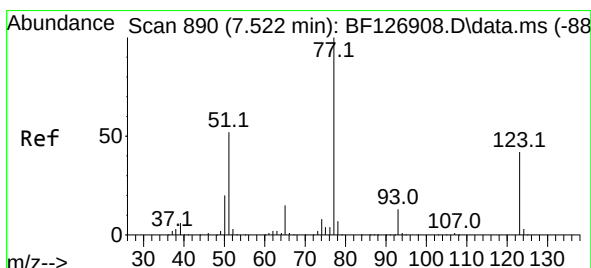
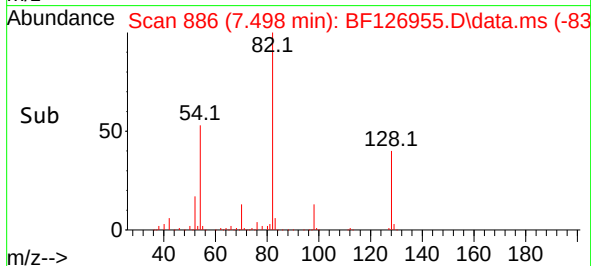
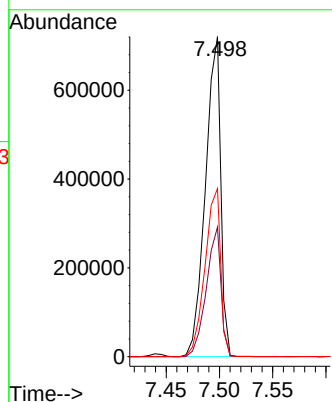
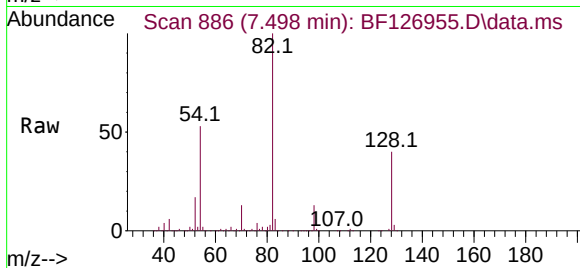
Tgt Ion: 82 Resp: 721500

Ion Ratio Lower Upper

82 100

128 40.5 32.7 49.1

54 52.5 41.7 62.5



#24

Nitrobenzene

Concen: 8.587 ng

RT: 7.510 min Scan# 888

Delta R.T. -0.012 min

Lab File: BF126955.D

Acq: 18 Feb 2022 16:40

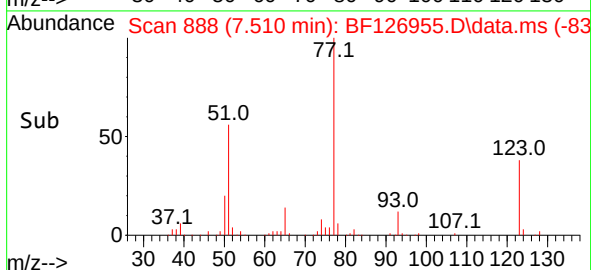
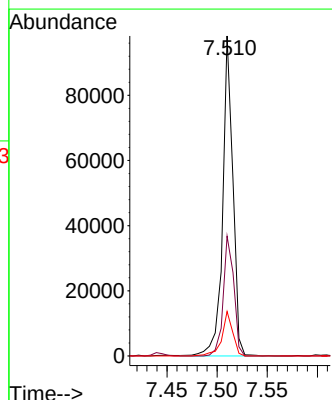
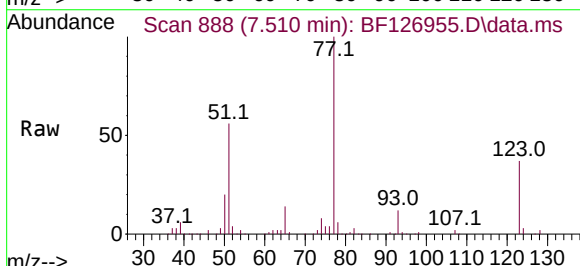
Tgt Ion: 77 Resp: 69611

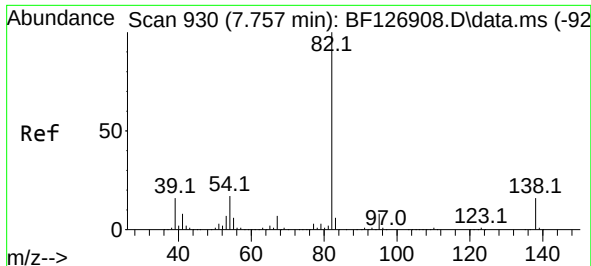
Ion Ratio Lower Upper

77 100

123 37.5 34.6 52.0

65 13.9 10.6 15.8

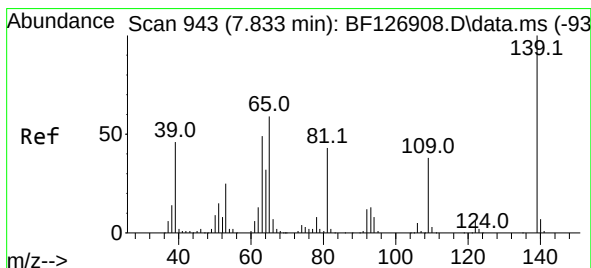
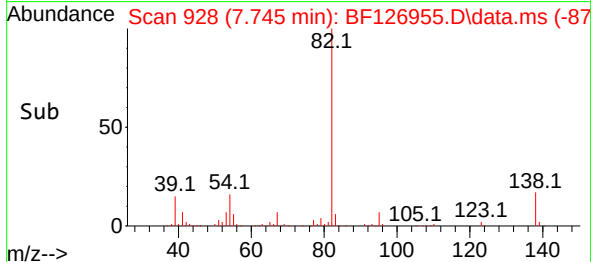
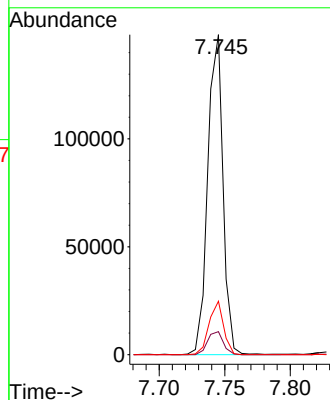
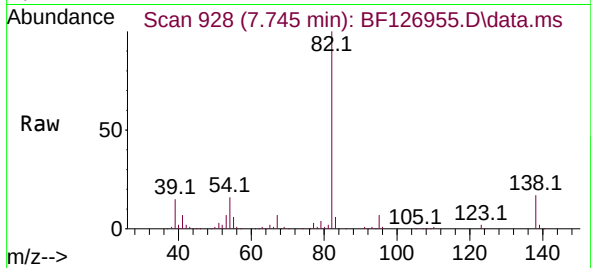




#25
Isophorone
Concen: 8.490 ng
RT: 7.745 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

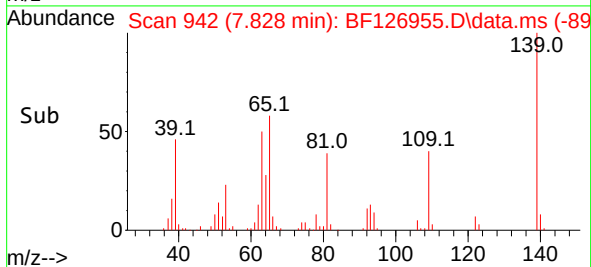
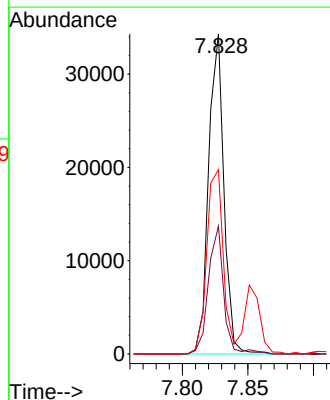
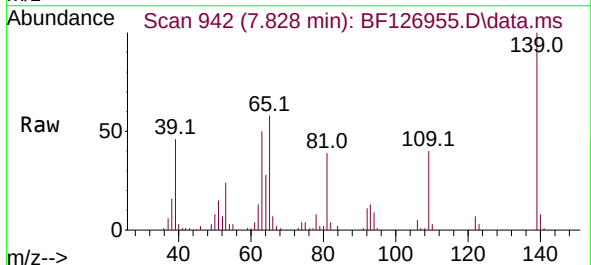
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

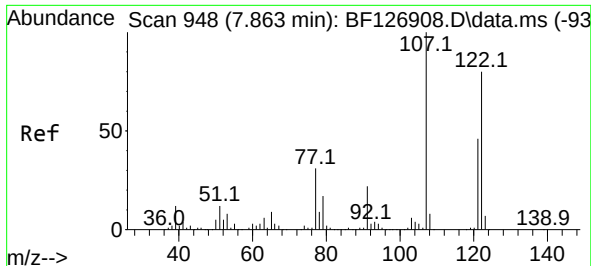
Tgt Ion: 82 Resp: 120554
Ion Ratio Lower Upper
82 100
95 7.2 5.0 7.4
138 16.7 12.3 18.5



#26
2-Nitrophenol
Concen: 8.101 ng
RT: 7.828 min Scan# 942
Delta R.T. -0.006 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

Tgt Ion: 139 Resp: 27960
Ion Ratio Lower Upper
139 100
109 39.9 20.0 30.0#
65 57.6 40.8 61.2





#27

2,4-Dimethylphenol

Concen: 9.366 ng

RT: 7.851 min Scan# 948

Delta R.T. -0.012 min

Lab File: BF126955.D

Acq: 18 Feb 2022 16:40

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

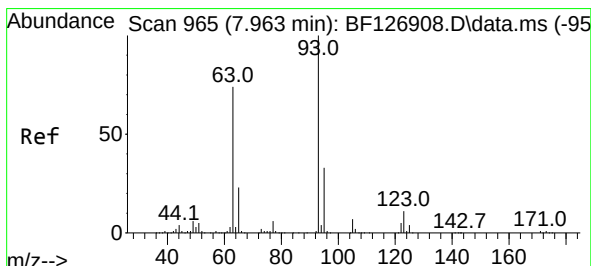
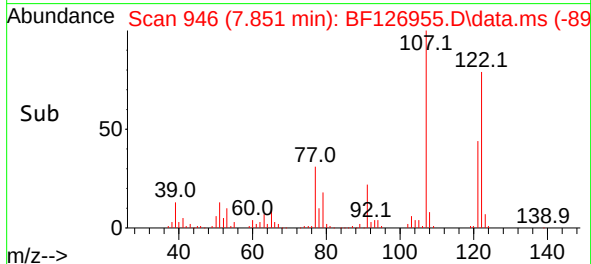
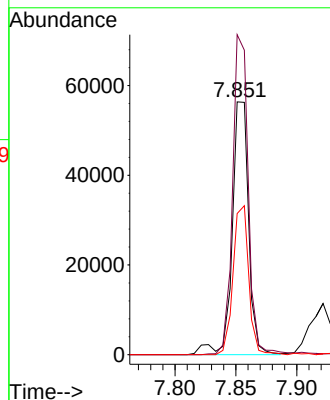
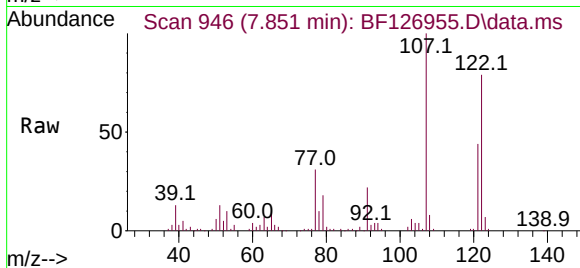
Tgt Ion:122 Resp: 53108

Ion Ratio Lower Upper

122 100

107 126.5 91.2 136.8

121 55.8 44.4 66.6



#28

bis(2-Chloroethoxy)methane

Concen: 8.049 ng

RT: 7.951 min Scan# 963

Delta R.T. -0.012 min

Lab File: BF126955.D

Acq: 18 Feb 2022 16:40

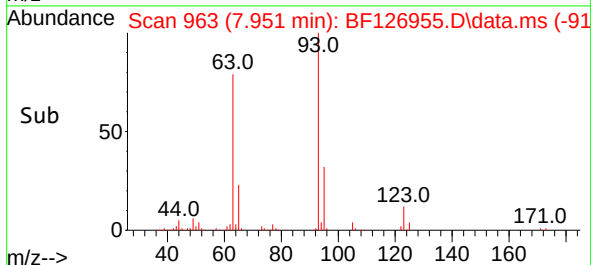
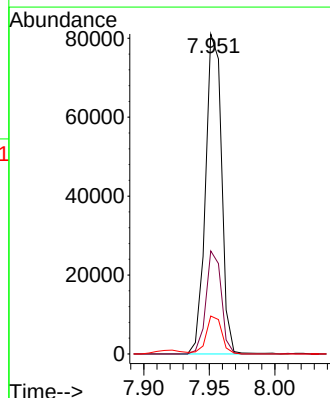
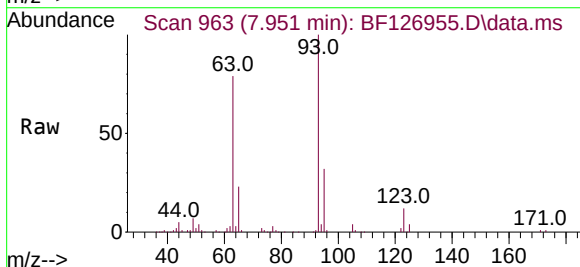
Tgt Ion: 93 Resp: 69292

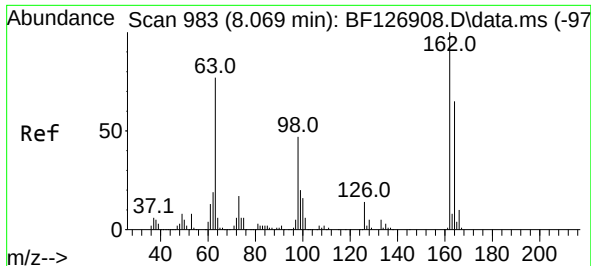
Ion Ratio Lower Upper

93 100

95 32.2 25.4 38.2

123 11.9 8.9 13.3





#29

2,4-Dichlorophenol

Concen: 7.956 ng

RT: 8.063 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF126955.D

Acq: 18 Feb 2022 16:40

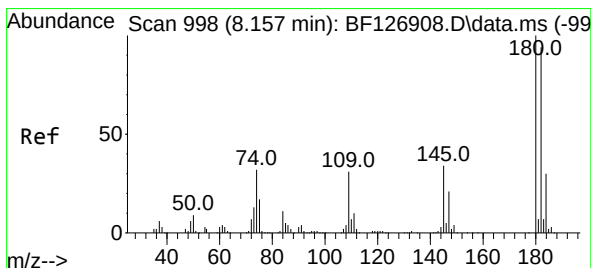
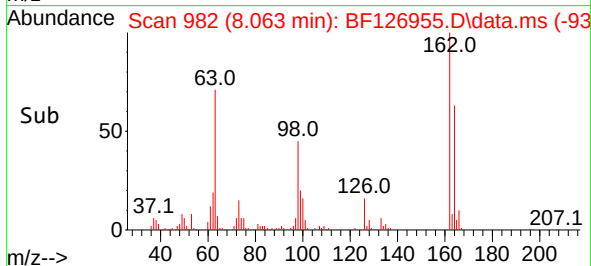
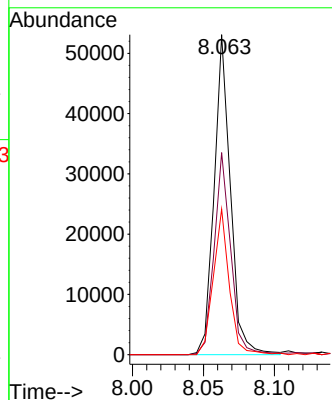
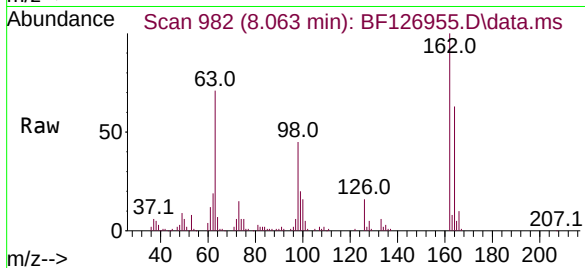
Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

Tgt Ion:162	Resp:	42412
Ion Ratio	Lower	Upper
162	100	
164	63.1	43.8 83.8
98	45.5	23.6 63.6



#30

1,2,4-Trichlorobenzene

Concen: 7.845 ng

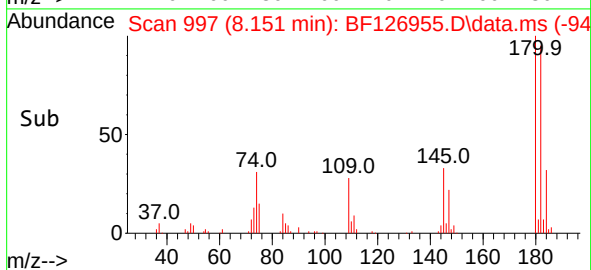
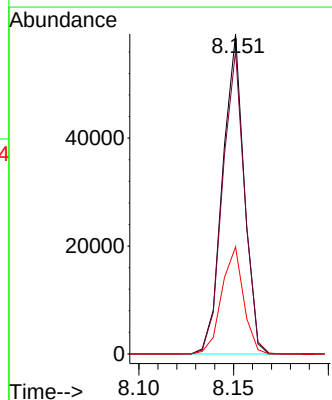
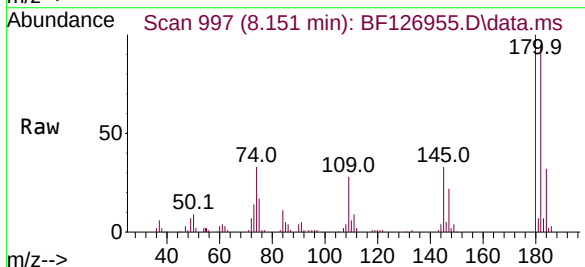
RT: 8.151 min Scan# 997

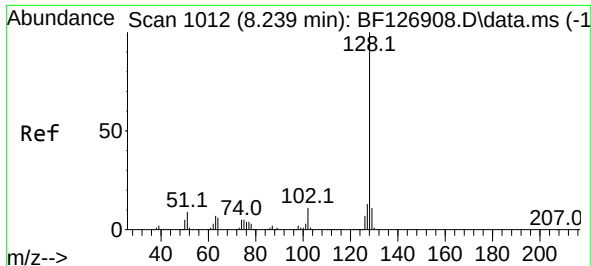
Delta R.T. -0.006 min

Lab File: BF126955.D

Acq: 18 Feb 2022 16:40

Tgt Ion:180	Resp:	46756
Ion Ratio	Lower	Upper
180	100	
182	94.7	75.5 113.3
145	33.5	26.2 39.2

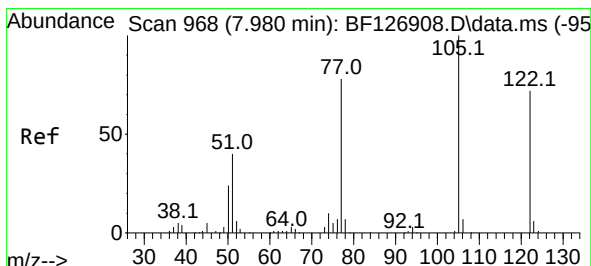
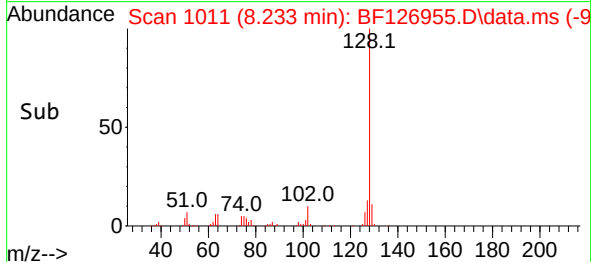
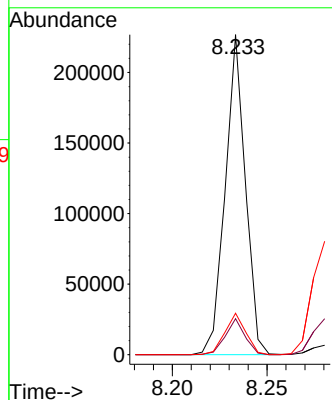
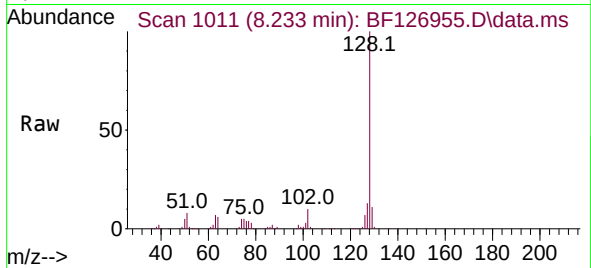




#31
Naphthalene
Concen: 8.309 ng
RT: 8.233 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

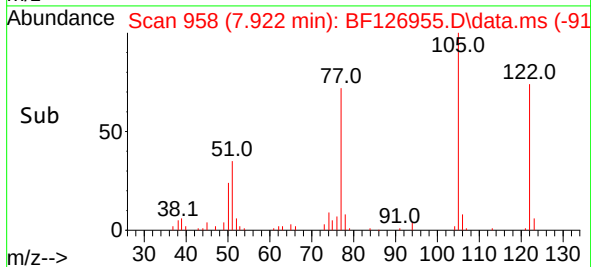
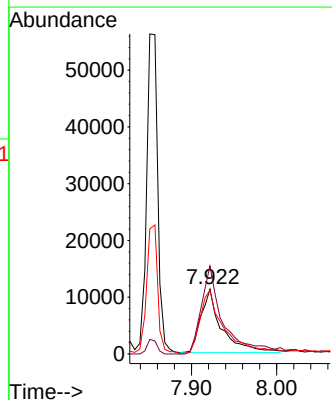
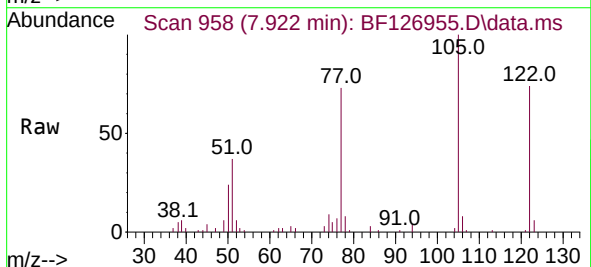
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

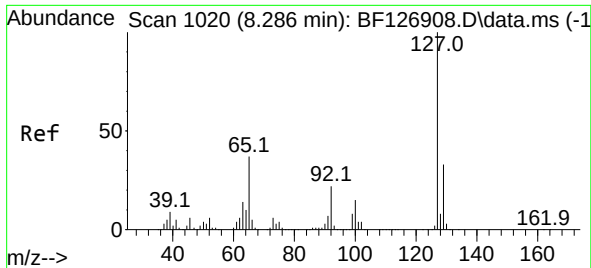
Tgt Ion:128 Resp: 168015
Ion Ratio Lower Upper
128 100
129 11.3 8.6 13.0
127 12.9 10.3 15.5



#32
Benzoic acid
Concen: 4.738 ng
RT: 7.922 min Scan# 958
Delta R.T. -0.059 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

Tgt Ion:122 Resp: 19053
Ion Ratio Lower Upper
122 100
105 135.7 101.0 141.0
77 98.5 74.5 114.5

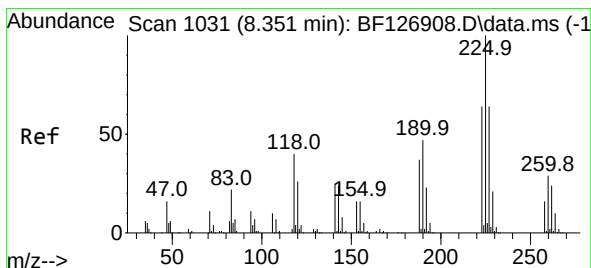
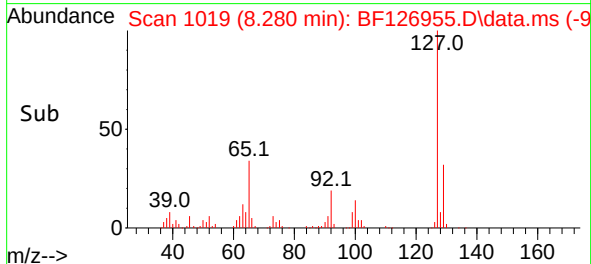
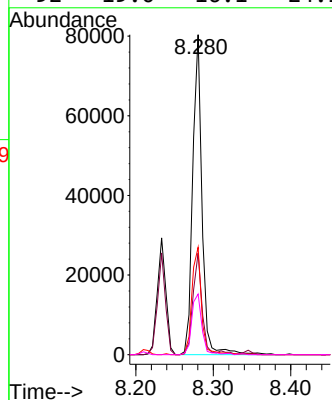
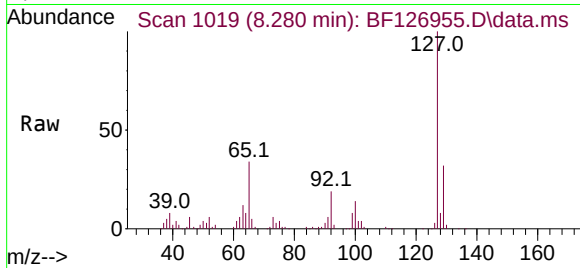




#33
4-Chloroaniline
Concen: 8.482 ng
RT: 8.280 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

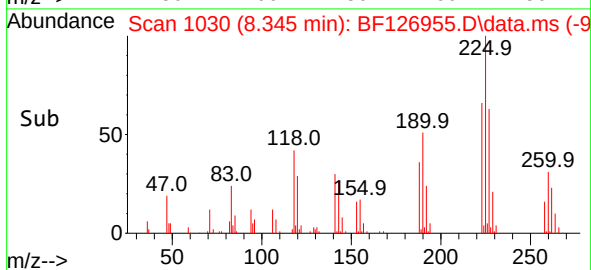
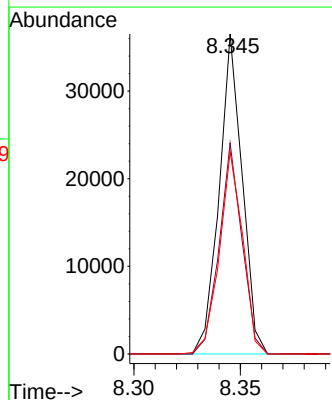
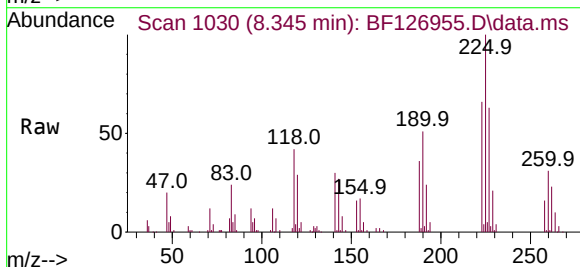
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

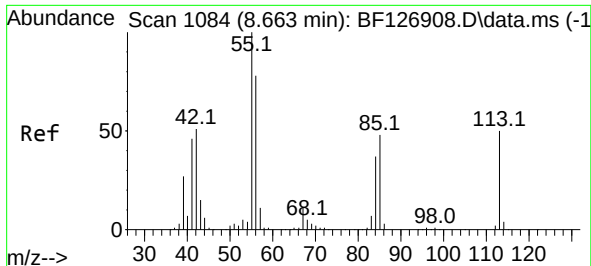
Tgt Ion:	127	Resp:	67504
Ion	Ratio	Lower	Upper
127	100		
129	31.8	26.5	39.7
65	33.6	26.6	39.8
92	19.0	16.1	24.1



#34
Hexachlorobutadiene
Concen: 7.878 ng
RT: 8.345 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

Tgt Ion:	225	Resp:	27410
Ion	Ratio	Lower	Upper
225	100		
223	65.9	48.6	73.0
227	63.3	51.4	77.0

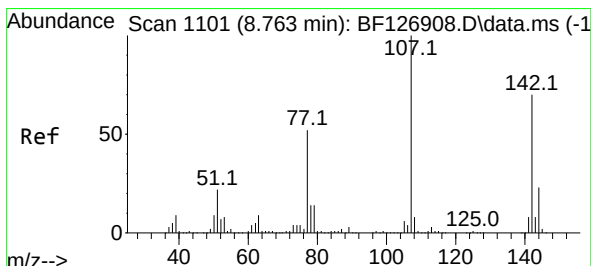
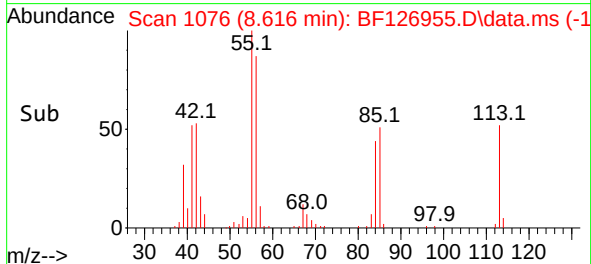
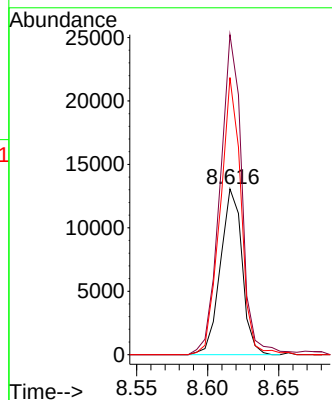
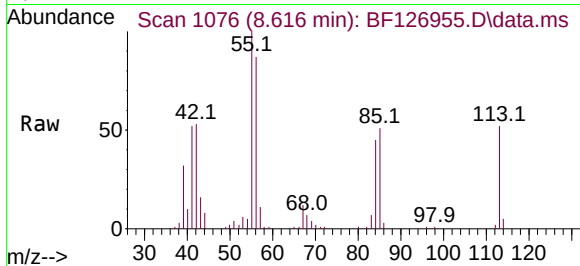




#35
 Caprolactam
 Concen: 7.431 ng
 RT: 8.616 min Scan# 1098
 Delta R.T. -0.047 min
 Lab File: BF126955.D
 Acq: 18 Feb 2022 16:40

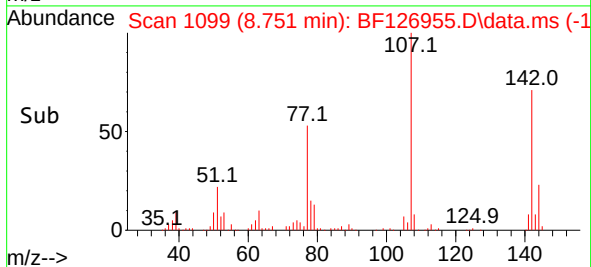
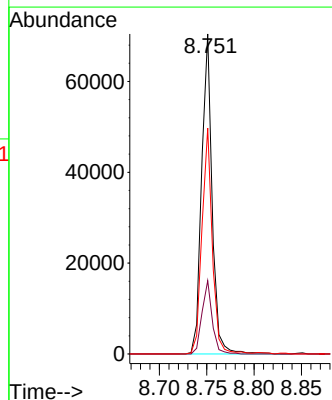
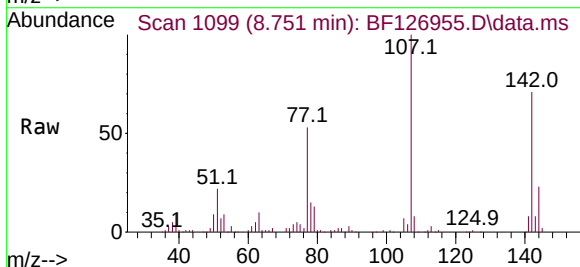
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2021

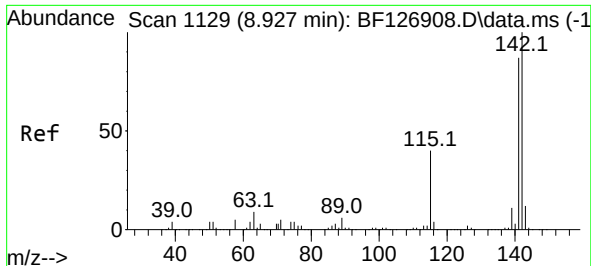
Tgt Ion:113 Resp: 13833
 Ion Ratio Lower Upper
 113 100
 55 193.1 183.9 223.9
 56 167.2 129.9 169.9



#36
 4-Chloro-3-methylphenol
 Concen: 8.022 ng
 RT: 8.751 min Scan# 1099
 Delta R.T. -0.012 min
 Lab File: BF126955.D
 Acq: 18 Feb 2022 16:40

Tgt Ion:107 Resp: 54650
 Ion Ratio Lower Upper
 107 100
 144 22.9 18.5 27.7
 142 70.6 58.1 87.1

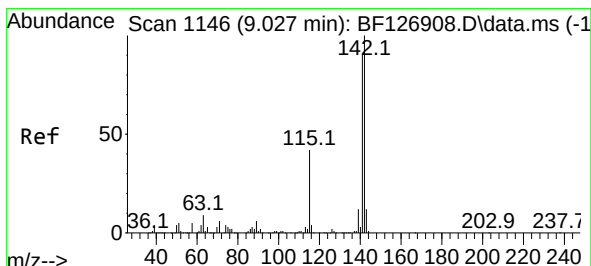
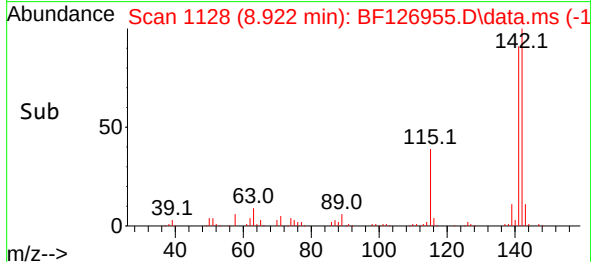
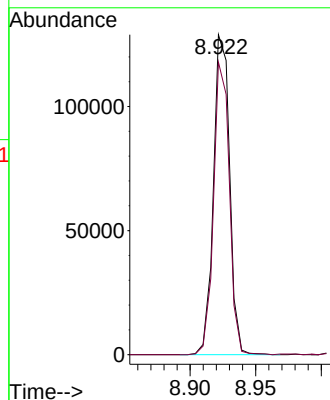
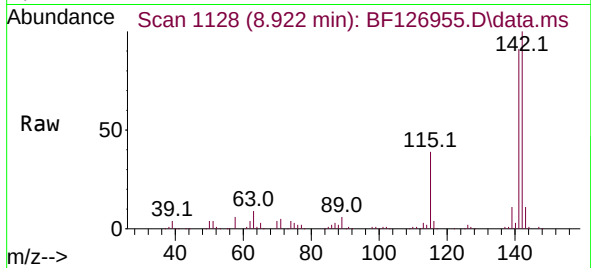




#37
2-Methylnaphthalene
Concen: 8.422 ng
RT: 8.922 min Scan# 1129
Delta R.T. -0.006 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

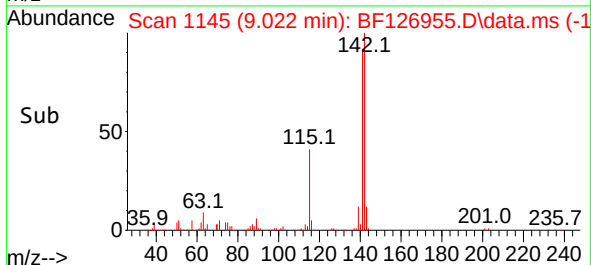
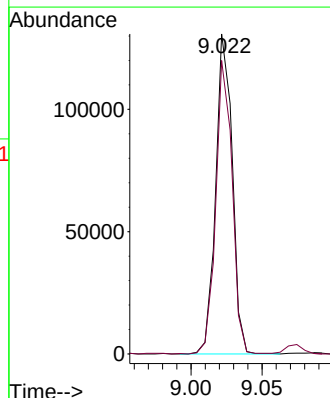
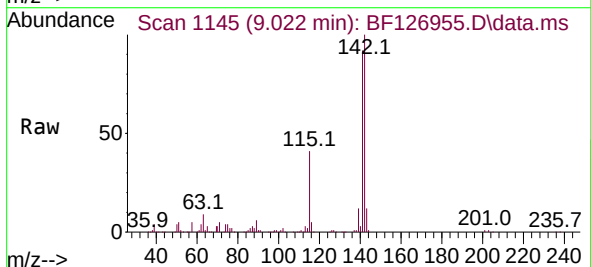
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT4-2021

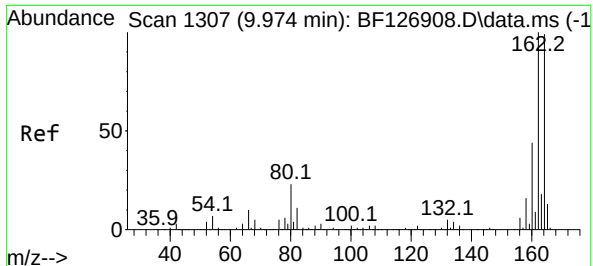
Tgt Ion:142 Resp: 110500
Ion Ratio Lower Upper
142 100
141 91.4 68.6 102.8



#38
1-Methylnaphthalene
Concen: 8.425 ng
RT: 9.022 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

Tgt Ion:142 Resp: 105851
Ion Ratio Lower Upper
142 100
141 91.7 72.1 108.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BF126955.D

Acq: 18 Feb 2022 16:40

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

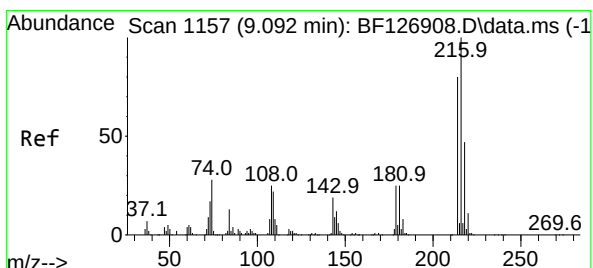
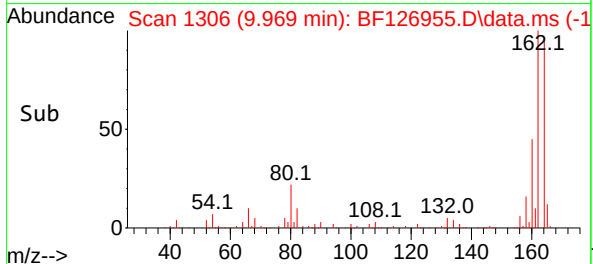
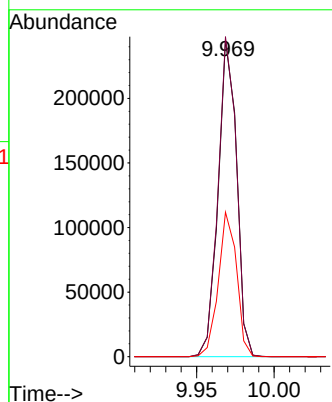
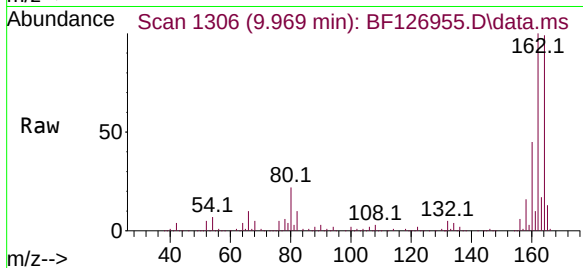
Tgt Ion:164 Resp: 203370

Ion Ratio Lower Upper

164 100

162 101.0 81.4 122.0

160 45.6 36.6 54.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.517 ng

RT: 9.086 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BF126955.D

Acq: 18 Feb 2022 16:40

Tgt Ion:216 Resp: 45594

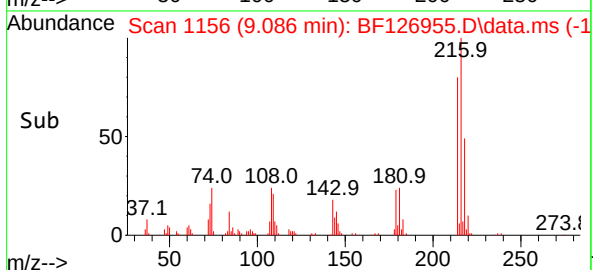
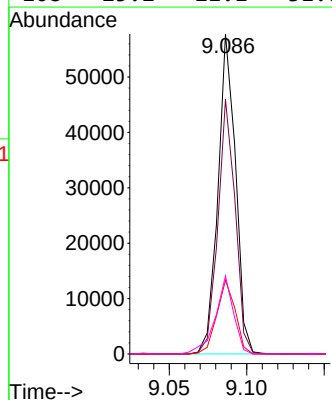
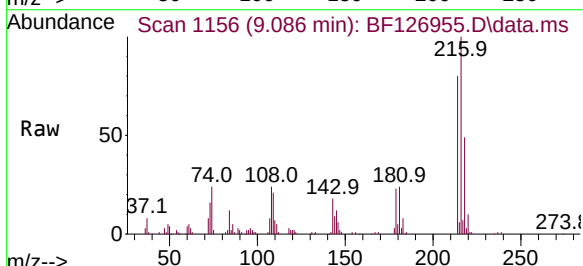
Ion Ratio Lower Upper

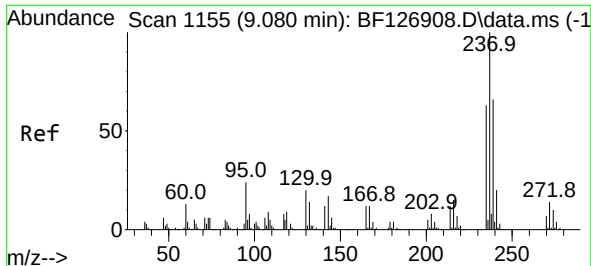
216 100

214 78.0 64.6 96.8

179 24.2 19.5 29.3

108 25.2 21.1 31.7

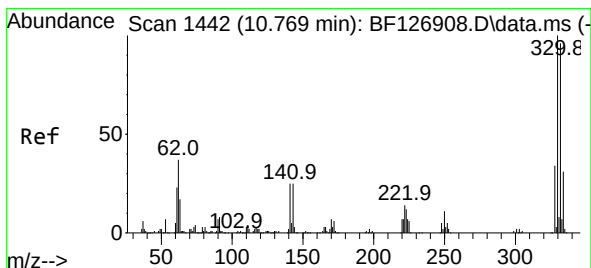
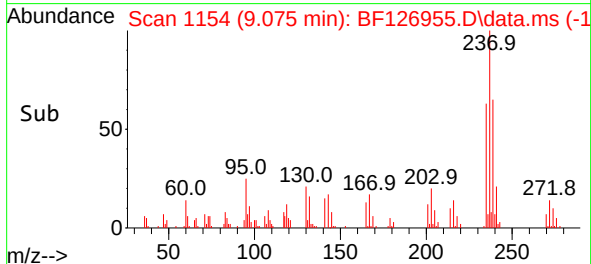
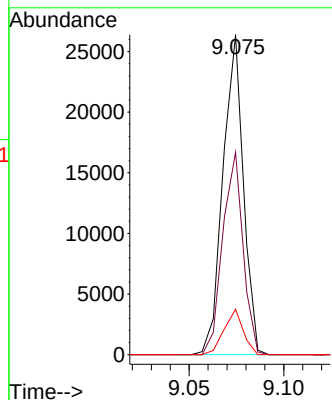
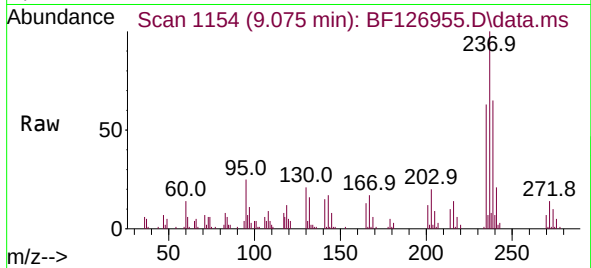




#41
Hexachlorocyclopentadiene
Concen: 6.833 ng
RT: 9.075 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

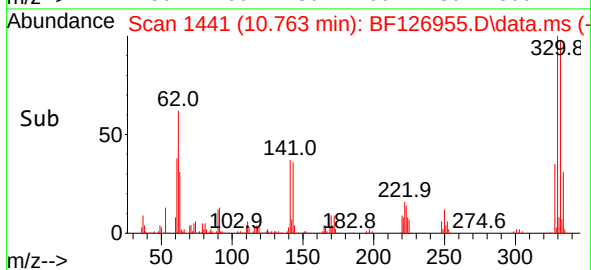
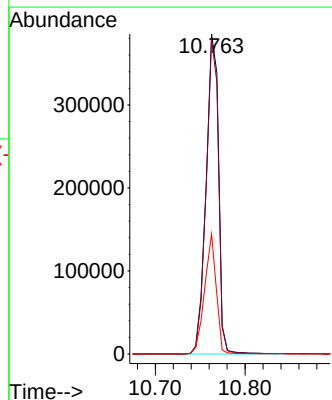
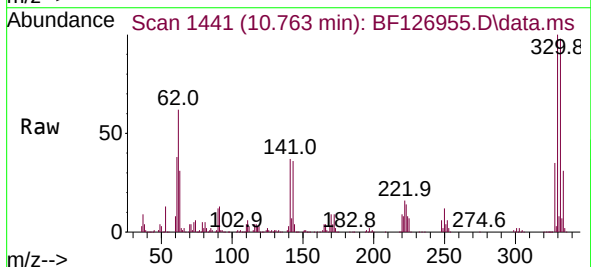
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

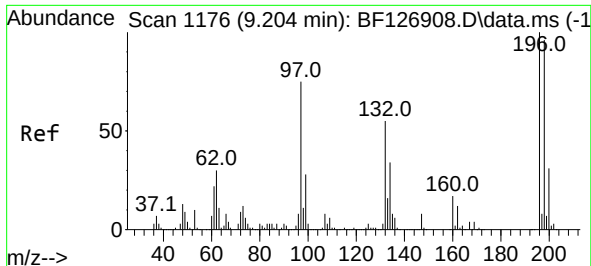
Tgt Ion:237	Resp:	19839
Ion Ratio	Lower	Upper
237	100	
235	63.3	38.9 78.9
272	14.2	0.0 33.5



#42
2,4,6-Tribromophenol
Concen: 159.356 ng
RT: 10.763 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

Tgt Ion:330	Resp:	373136
Ion Ratio	Lower	Upper
330	100	
332	97.7	76.0 114.0
141	35.0	30.1 45.1

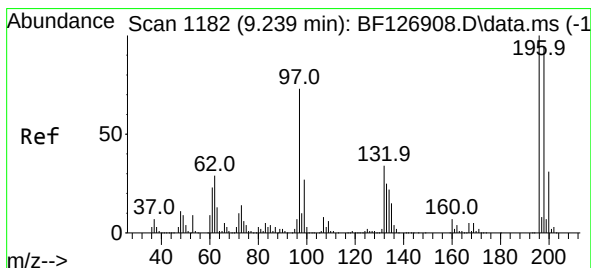
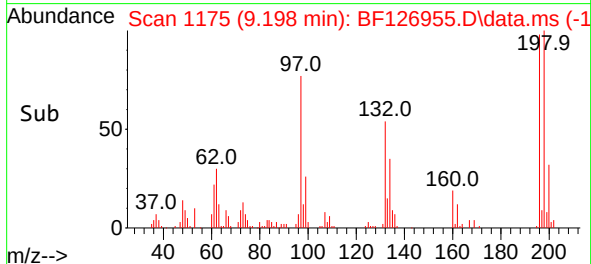
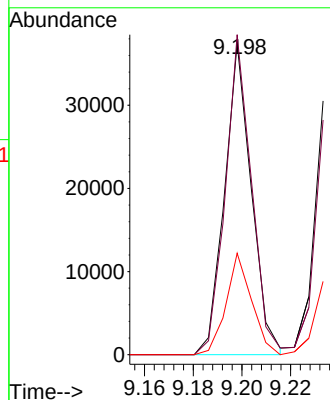
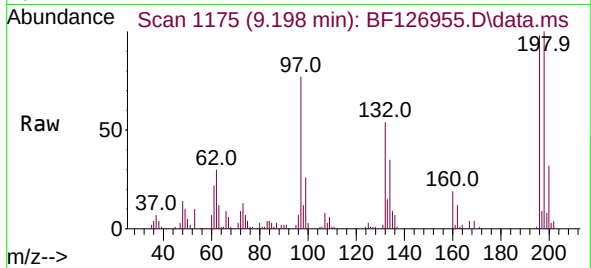




#43
2,4,6-Trichlorophenol
Concen: 7.293 ng
RT: 9.198 min Scan# 1175
Delta R.T. -0.006 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

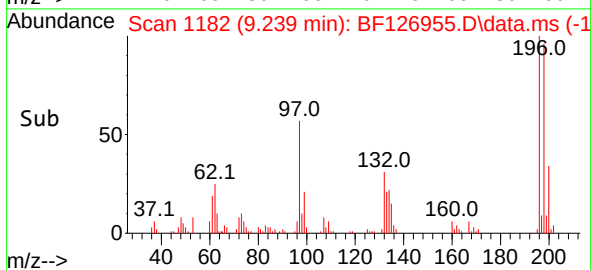
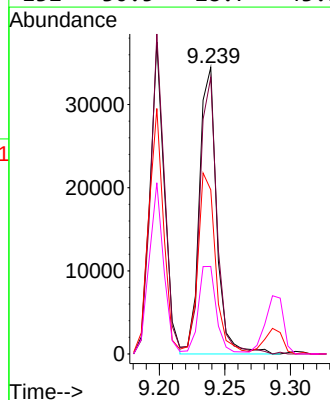
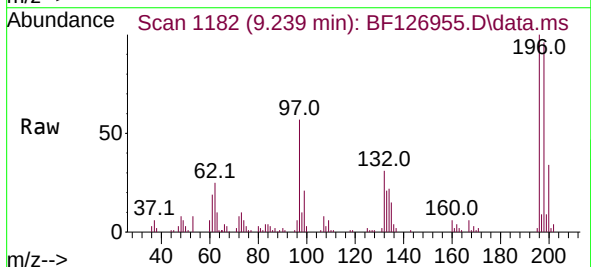
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

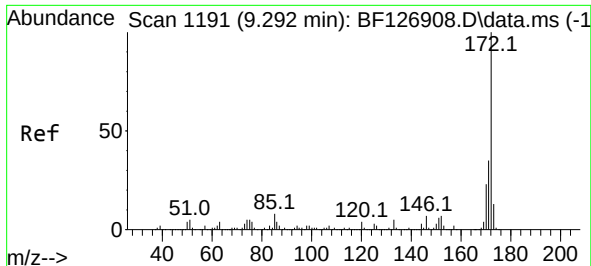
Tgt Ion:196 Resp: 28634
Ion Ratio Lower Upper
196 100
198 102.6 78.5 117.7
200 32.5 24.9 37.3



#44
2,4,5-Trichlorophenol
Concen: 7.681 ng
RT: 9.239 min Scan# 1182
Delta R.T. 0.000 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

Tgt Ion:196 Resp: 31736
Ion Ratio Lower Upper
196 100
198 96.5 82.0 123.0
97 57.3 53.5 80.3
132 30.5 28.7 43.1





#45

2-Fluorobiphenyl

Concen: 84.609 ng

RT: 9.292 min Scan# 1191

Delta R.T. -0.000 min

Lab File: BF126955.D

Acq: 18 Feb 2022 16:40

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

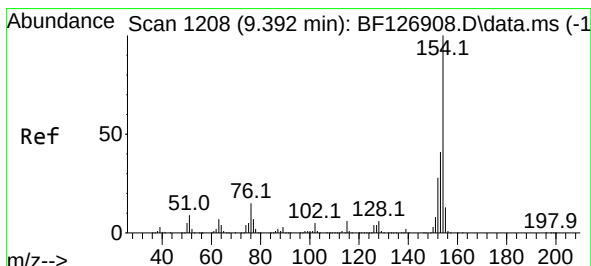
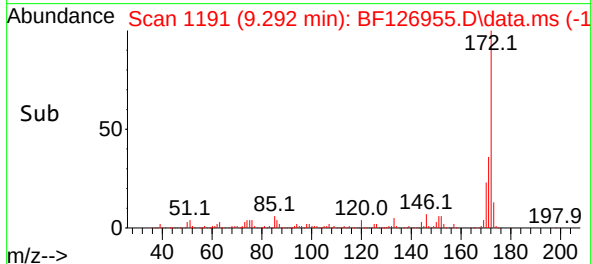
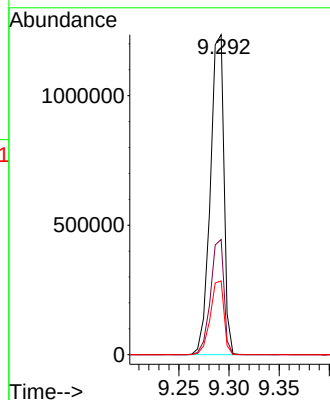
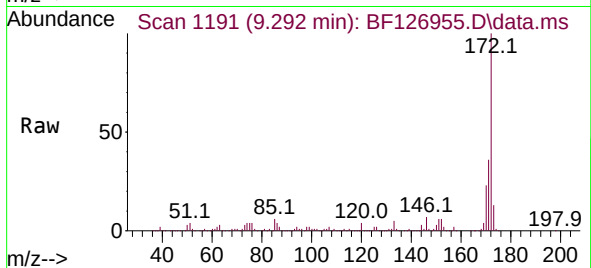
Tgt Ion:172 Resp: 1168824

Ion Ratio Lower Upper

172 100

171 36.0 28.3 42.5

170 23.0 19.0 28.6



#46

1,1'-Biphenyl

Concen: 8.505 ng

RT: 9.386 min Scan# 1207

Delta R.T. -0.006 min

Lab File: BF126955.D

Acq: 18 Feb 2022 16:40

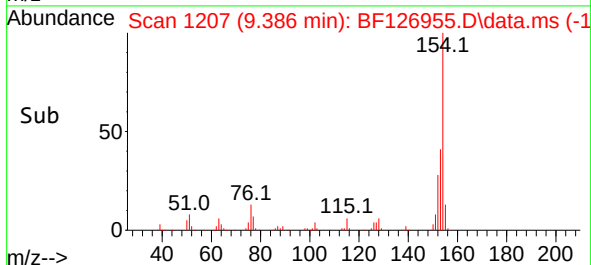
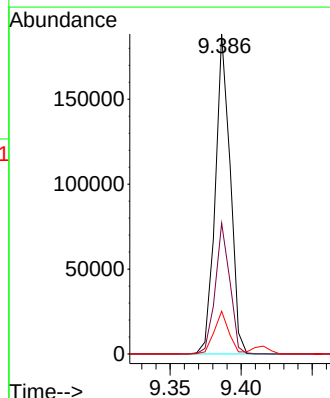
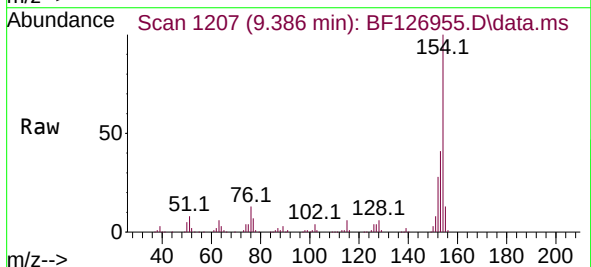
Tgt Ion:154 Resp: 137038

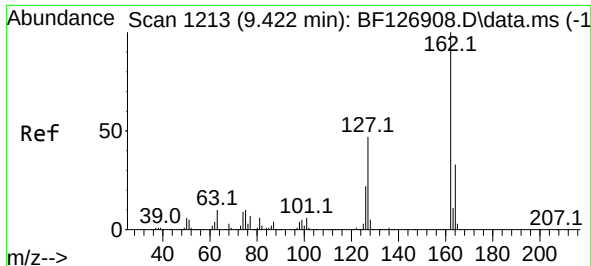
Ion Ratio Lower Upper

154 100

153 40.9 19.0 59.0

76 13.4 0.0 34.5

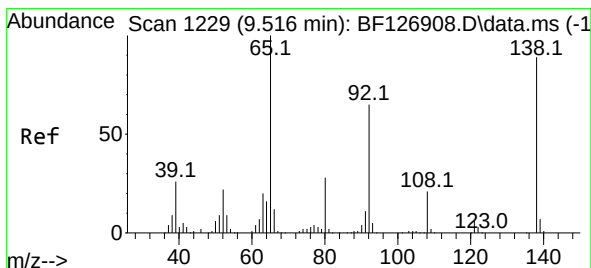
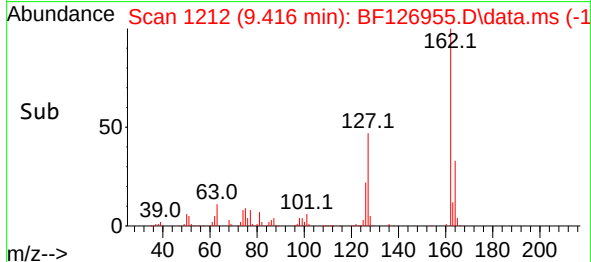
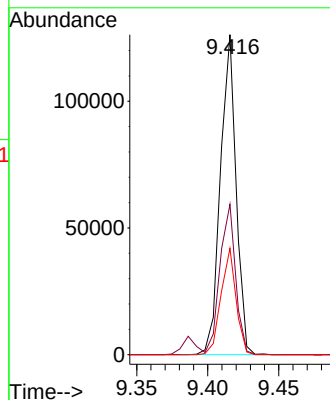
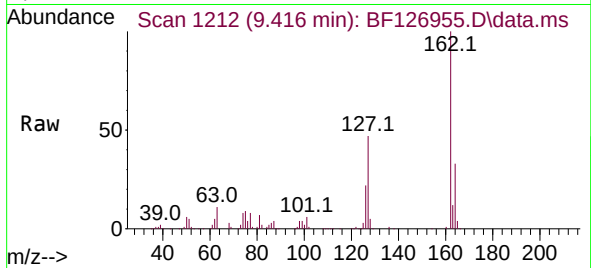




#47
2-Chloronaphthalene
Concen: 8.095 ng
RT: 9.416 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

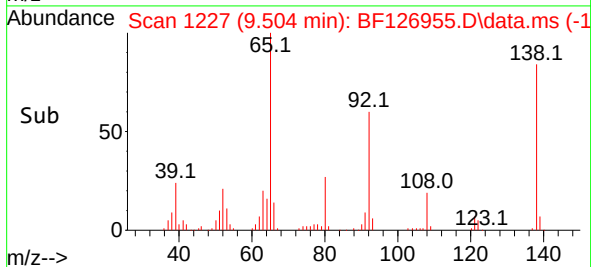
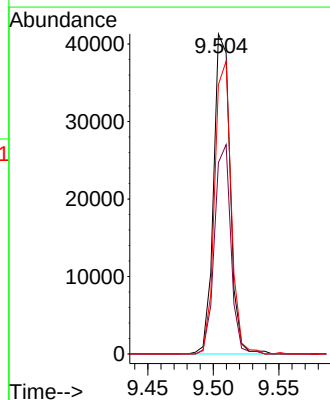
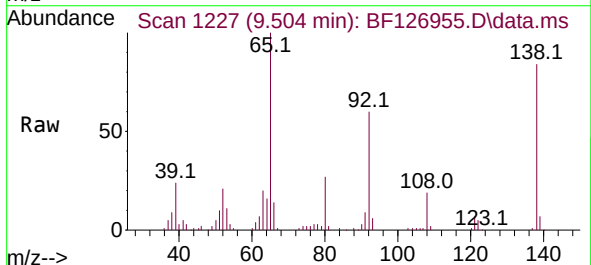
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

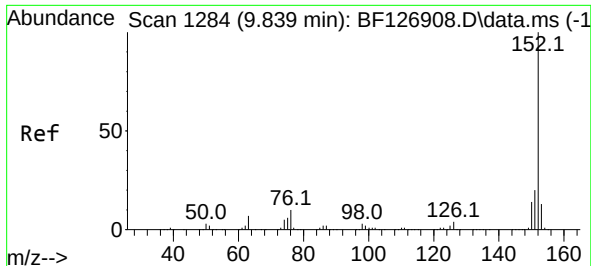
Tgt Ion:162 Resp: 96727
Ion Ratio Lower Upper
162 100
127 47.0 33.5 50.3
164 33.2 26.2 39.4



#48
2-Nitroaniline
Concen: 7.671 ng
RT: 9.504 min Scan# 1227
Delta R.T. -0.012 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

Tgt Ion: 65 Resp: 36170
Ion Ratio Lower Upper
65 100
92 59.8 54.4 81.6
138 84.2 72.5 108.7

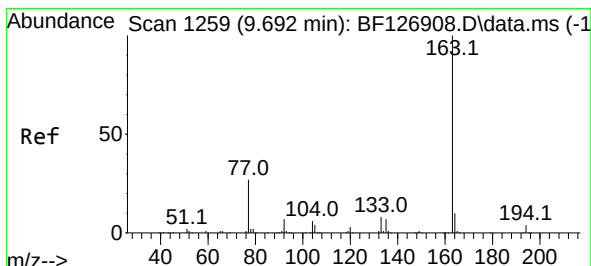
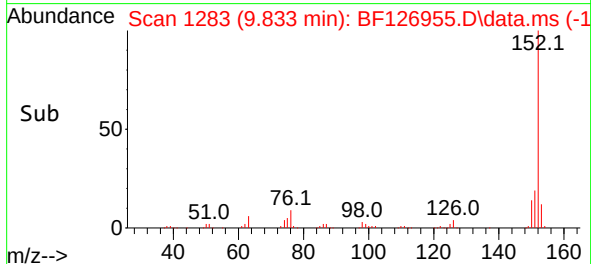
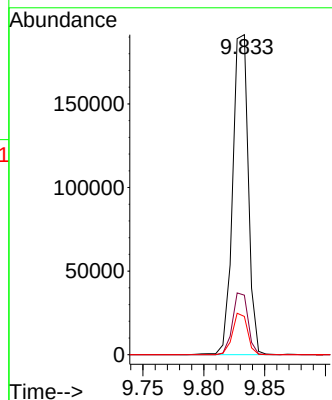
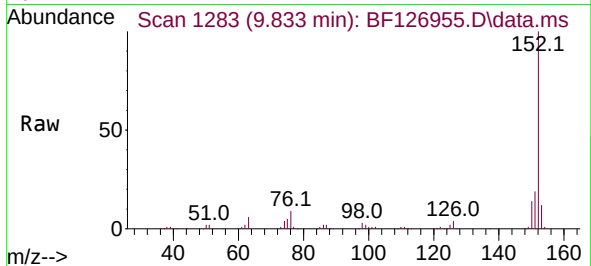




#49
Acenaphthylene
Concen: 8.808 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

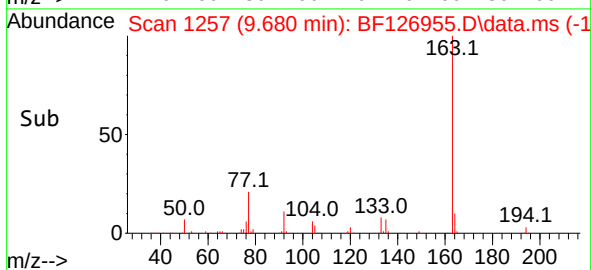
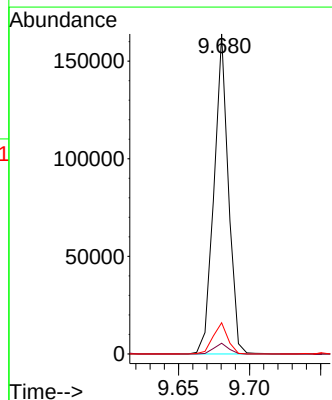
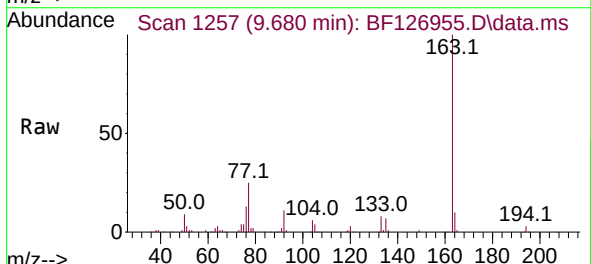
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

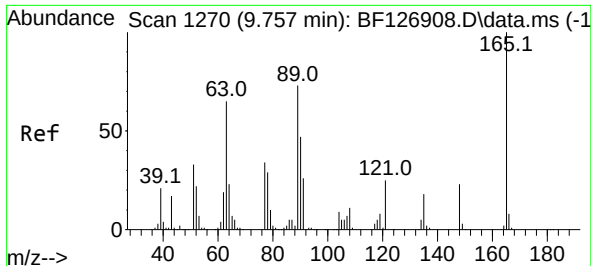
Tgt Ion:152 Resp: 170955
Ion Ratio Lower Upper
152 100
151 18.6 15.7 23.5
153 12.0 11.4 17.0



#50
Dimethylphthalate
Concen: 7.975 ng
RT: 9.680 min Scan# 1257
Delta R.T. -0.012 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

Tgt Ion:163 Resp: 115933
Ion Ratio Lower Upper
163 100
194 3.4 2.6 3.8
164 9.8 7.8 11.8





#51

2,6-Dinitrotoluene

Concen: 8.569 ng

RT: 9.745 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF126955.D

Acq: 18 Feb 2022 16:40

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

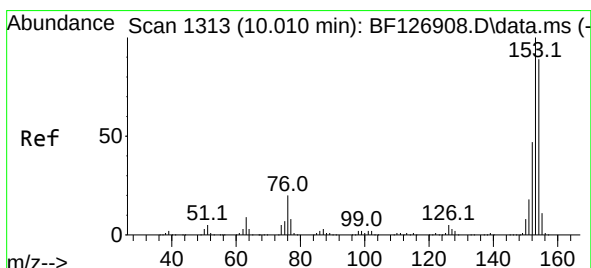
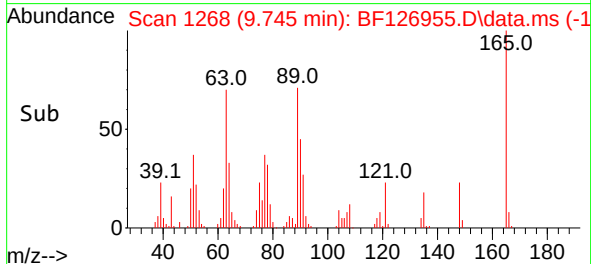
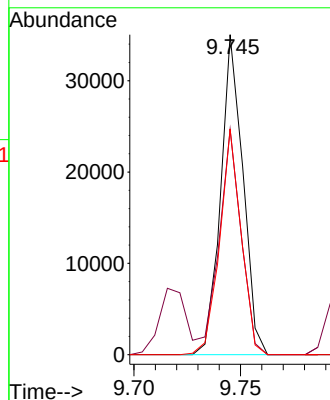
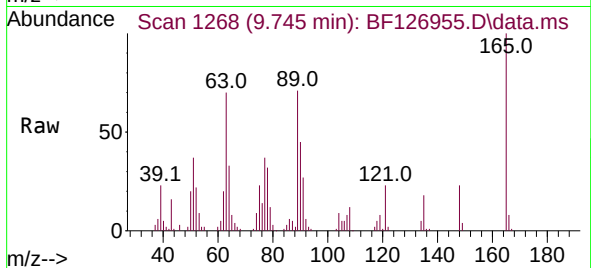
Tgt Ion:165 Resp: 25342

Ion Ratio Lower Upper

165 100

63 70.5 48.4 72.6

89 70.5 50.5 75.7



#52

Acenaphthene

Concen: 7.913 ng

RT: 10.004 min Scan# 1312

Delta R.T. -0.006 min

Lab File: BF126955.D

Acq: 18 Feb 2022 16:40

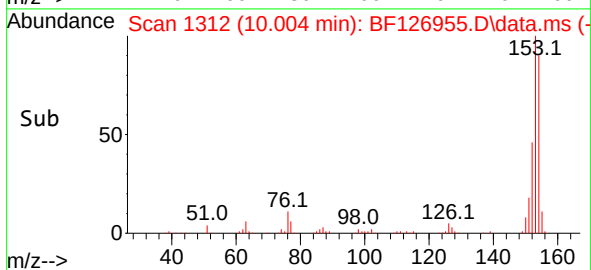
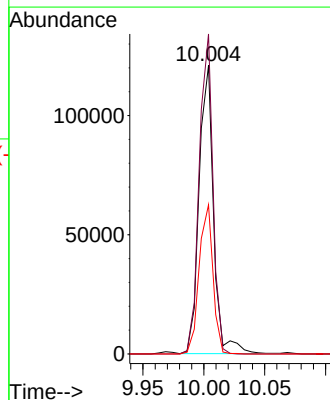
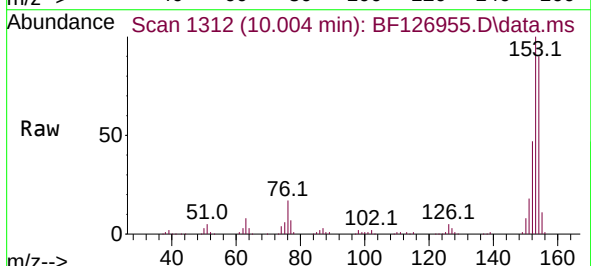
Tgt Ion:154 Resp: 99880

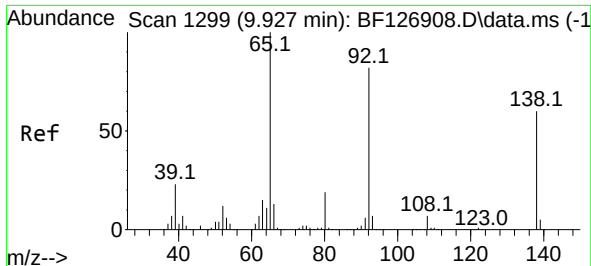
Ion Ratio Lower Upper

154 100

153 111.0 87.8 131.6

152 51.7 39.4 59.2

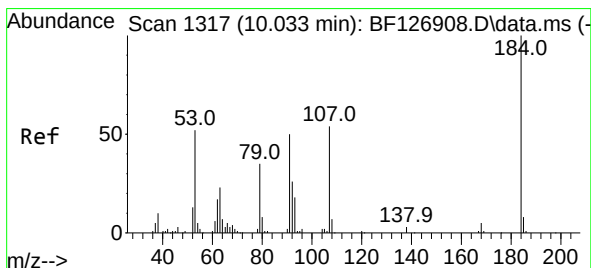
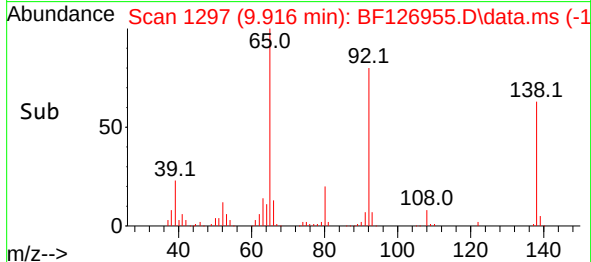
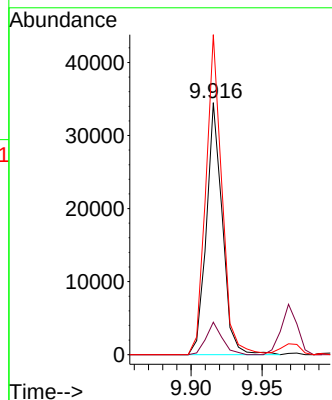
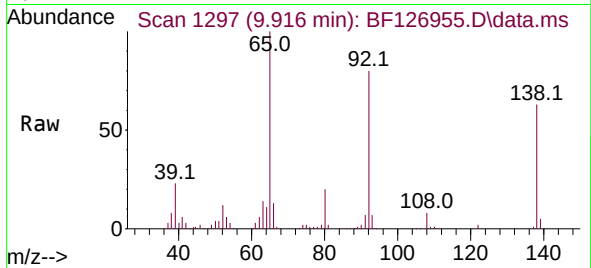




#53
3-Nitroaniline
Concen: 7.480 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

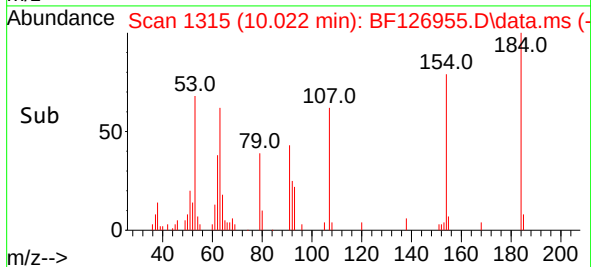
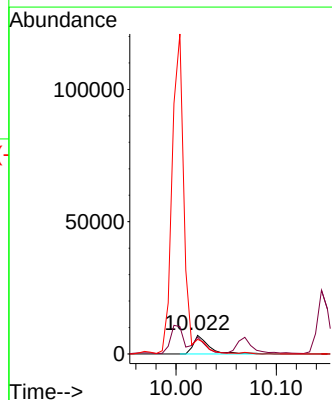
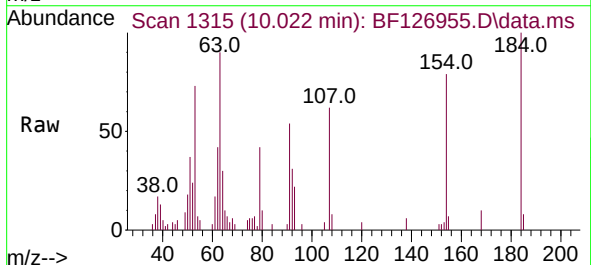
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

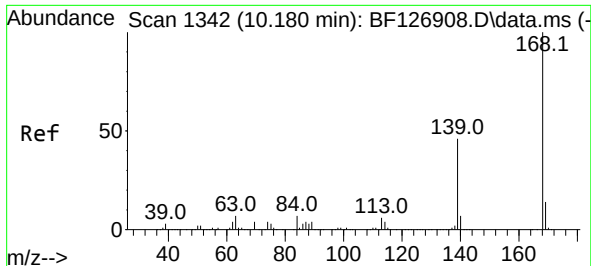
Tgt Ion:138 Resp: 27043
Ion Ratio Lower Upper
138 100
108 12.9 8.6 13.0
92 127.0 105.0 157.6



#54
2,4-Dinitrophenol
Concen: 4.826 ng
RT: 10.022 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

Tgt Ion:184 Resp: 7554
Ion Ratio Lower Upper
184 100
63 90.3 70.4 105.6
154 78.6 49.7 74.5#

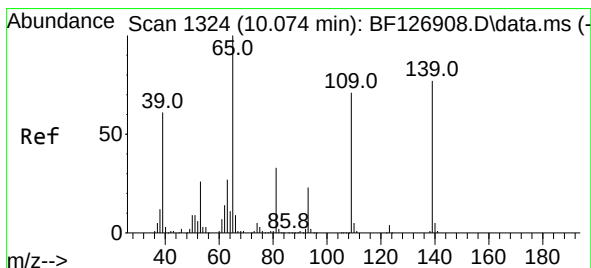
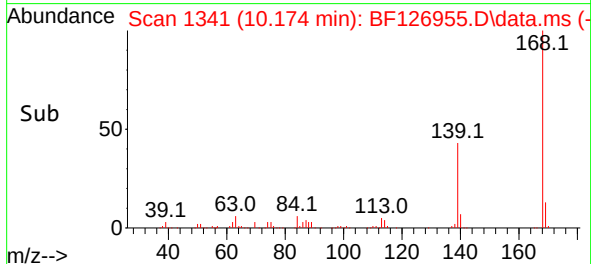
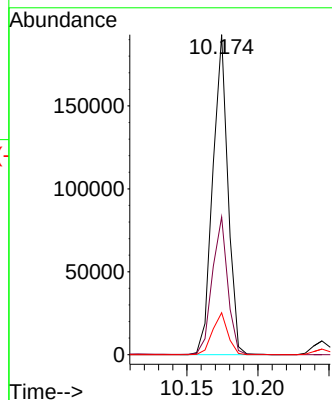
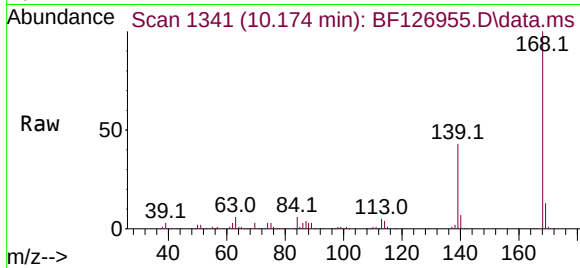




#55
Dibenzofuran
Concen: 8.239 ng
RT: 10.174 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

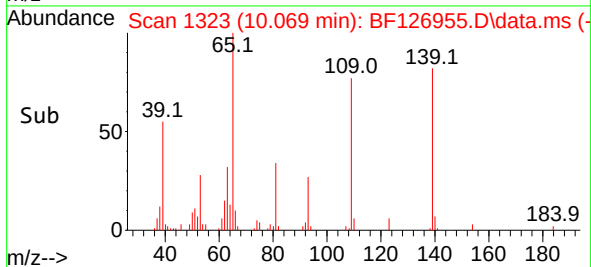
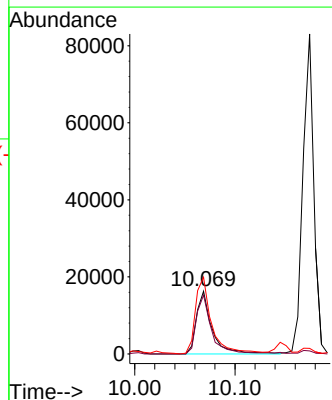
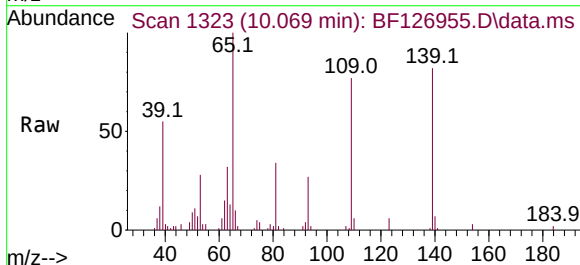
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

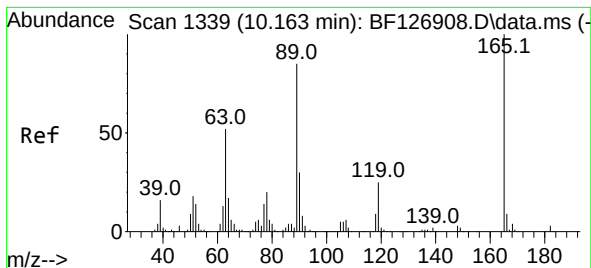
Tgt Ion:168 Resp: 143003
Ion Ratio Lower Upper
168 100
139 43.0 30.6 46.0
169 13.1 10.0 15.0



#56
4-Nitrophenol
Concen: 6.612 ng
RT: 10.069 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

Tgt Ion:139 Resp: 17656
Ion Ratio Lower Upper
139 100
109 93.9 44.1 84.1#
65 122.5 85.5 125.5

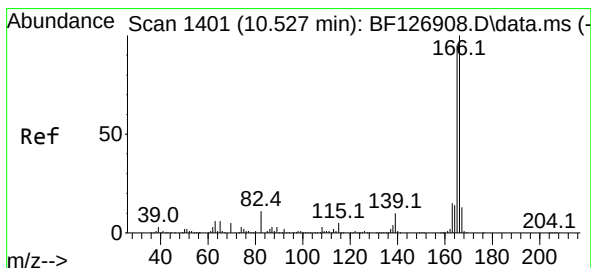
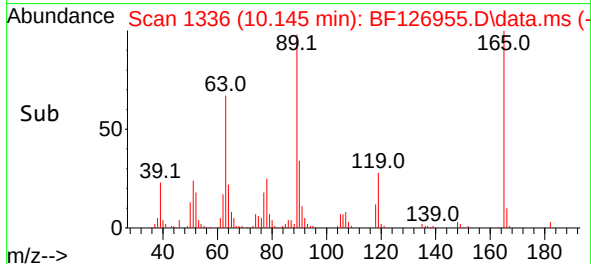
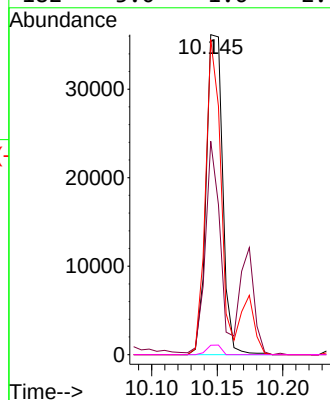
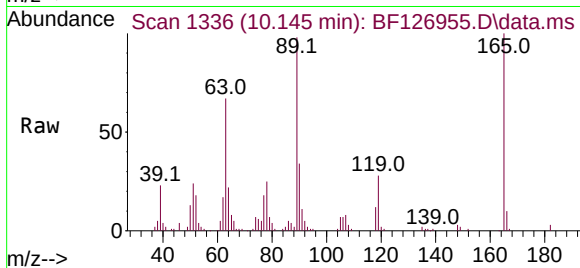




#57
2,4-Dinitrotoluene
Concen: 7.979 ng
RT: 10.145 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

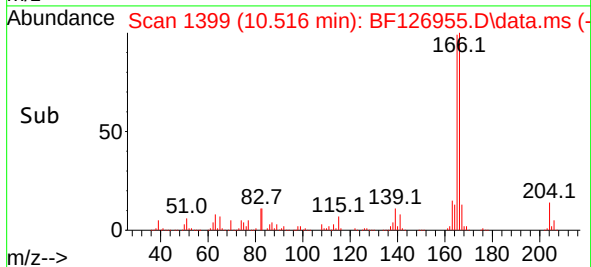
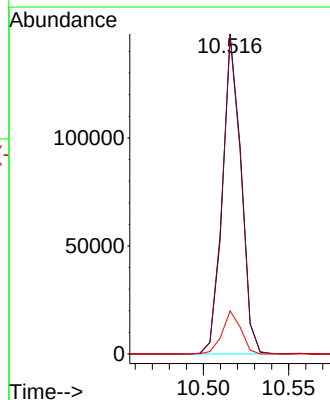
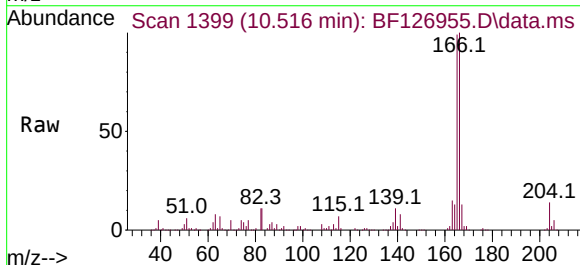
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

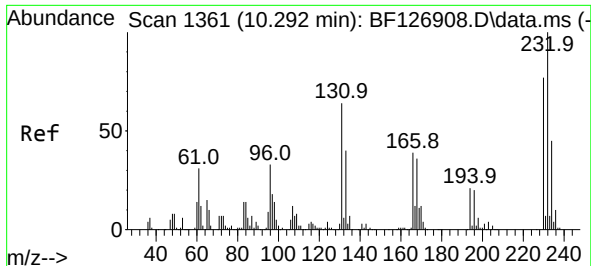
Tgt Ion:165 Resp: 31907
Ion Ratio Lower Upper
165 100
63 66.7 43.0 64.6#
89 98.5 71.0 106.4
182 3.0 1.6 2.4#



#58
Fluorene
Concen: 8.297 ng
RT: 10.516 min Scan# 1399
Delta R.T. -0.012 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

Tgt Ion:166 Resp: 112172
Ion Ratio Lower Upper
166 100
165 99.2 77.7 116.5
167 13.4 10.7 16.1





#59

2,3,4,6-Tetrachlorophenol

Concen: 7.508 ng

RT: 10.286 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126955.D

Acq: 18 Feb 2022 16:40

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

Tgt Ion:232 Resp: 24594

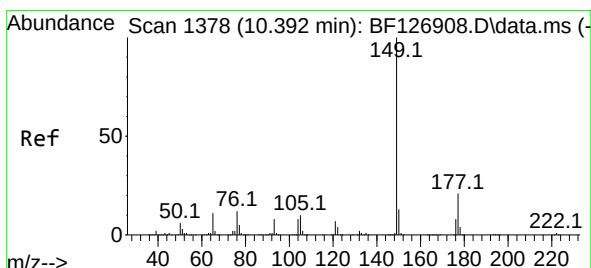
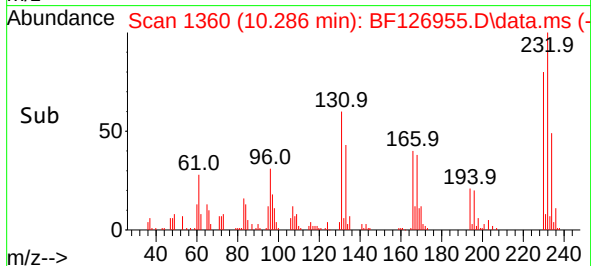
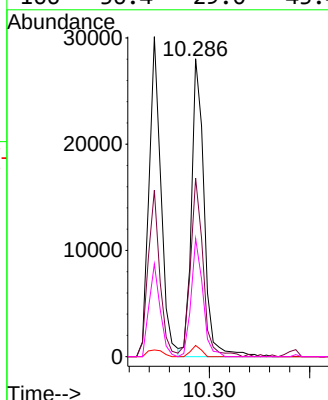
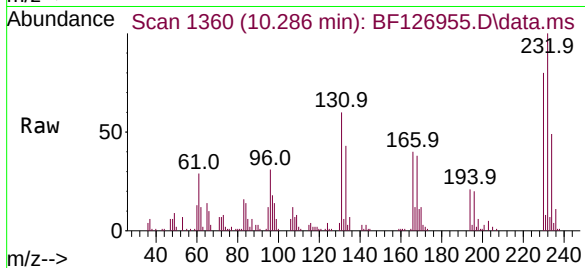
Ion Ratio Lower Upper

232 100

131 59.2 50.0 75.0

130 3.0 2.2 3.2

166 36.4 29.0 43.4



#60

Diethylphthalate

Concen: 8.258 ng

RT: 10.380 min Scan# 1376

Delta R.T. -0.012 min

Lab File: BF126955.D

Acq: 18 Feb 2022 16:40

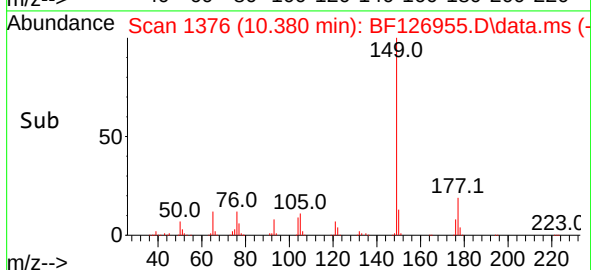
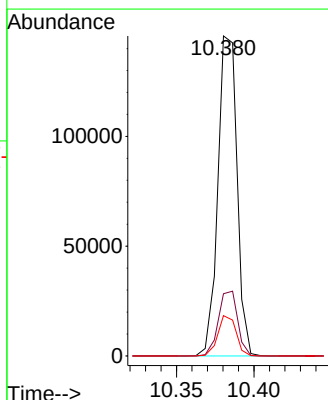
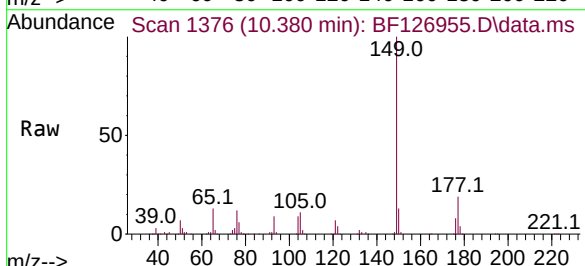
Tgt Ion:149 Resp: 125427

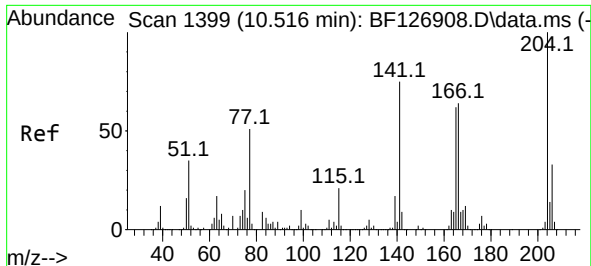
Ion Ratio Lower Upper

149 100

177 19.4 16.7 25.1

150 12.6 9.8 14.8

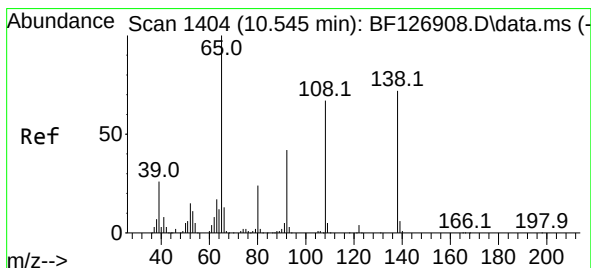
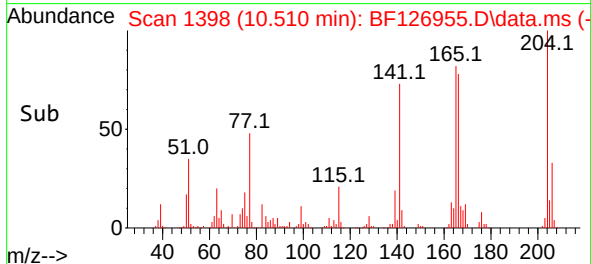
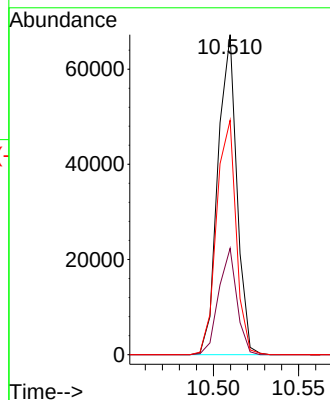
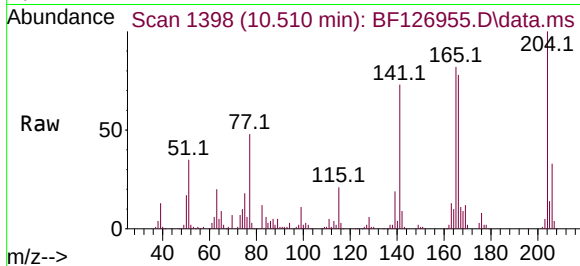




#61
4-Chlorophenyl-phenylether
Concen: 8.167 ng
RT: 10.510 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

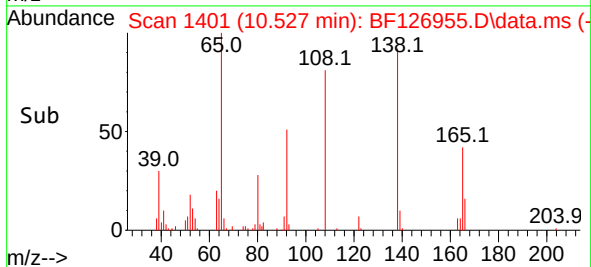
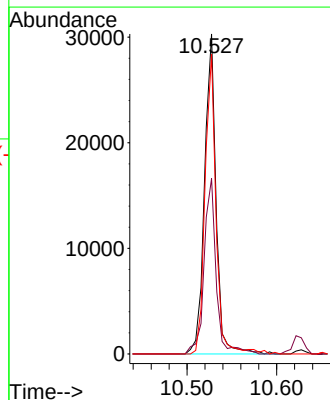
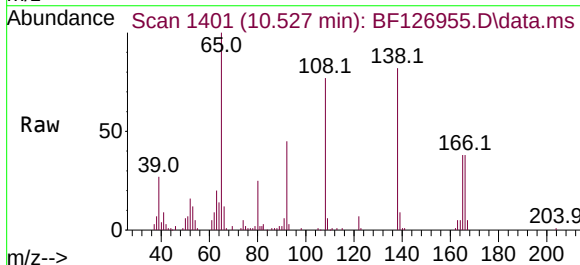
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

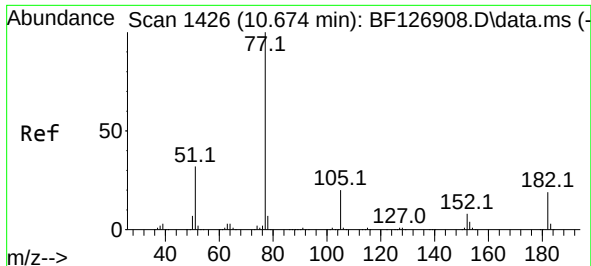
Tgt Ion:	204	Resp:	52067
Ion Ratio	Lower	Upper	
204	100		
206	33.3	26.3	39.5
141	73.2	59.0	88.6



#62
4-Nitroaniline
Concen: 7.597 ng
RT: 10.527 min Scan# 1401
Delta R.T. -0.018 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

Tgt Ion:	138	Resp:	27121
Ion Ratio	Lower	Upper	
138	100		
92	54.9	36.2	76.2
108	93.6	46.7	86.7#

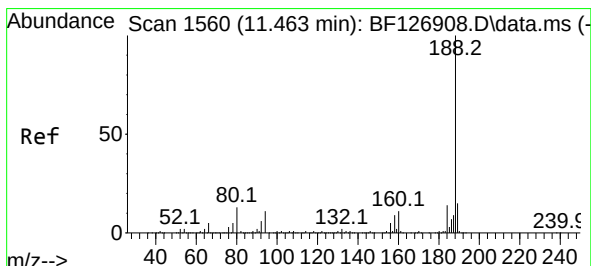
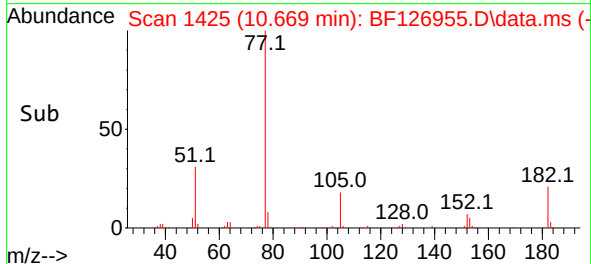
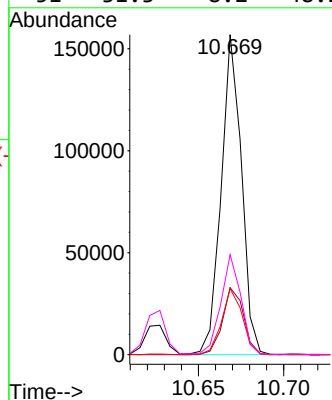
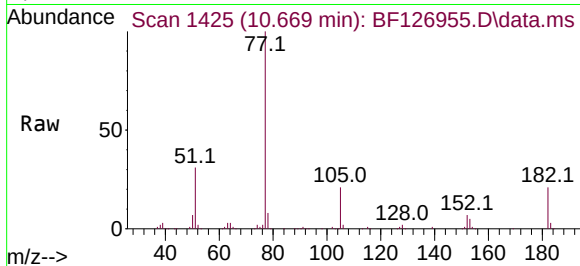




#63
Azobenzene
Concen: 7.702 ng
RT: 10.669 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

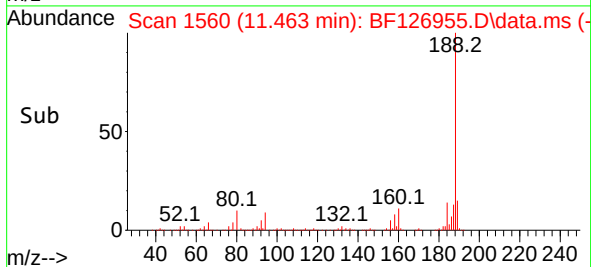
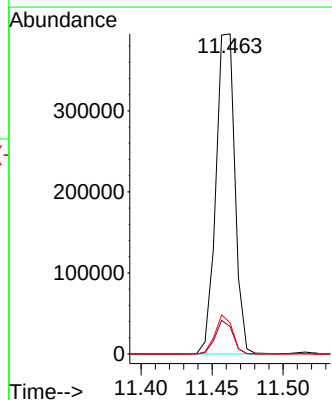
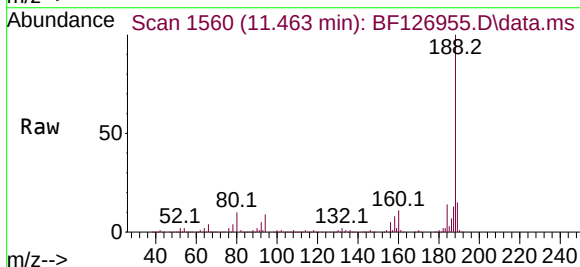
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

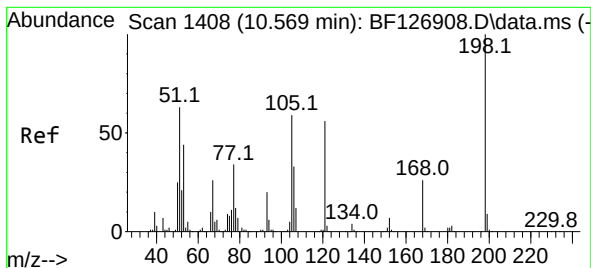
Tgt Ion: 77	Resp: 130263
Ion Ratio	Lower Upper
77 100	
182 21.0	0.0 39.0
105 20.6	3.2 43.2
51 31.3	8.2 48.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.463 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

Tgt Ion:188	Resp: 365648
Ion Ratio	Lower Upper
188 100	
94 8.6	10.1 15.1#
80 9.7	11.8 17.6#

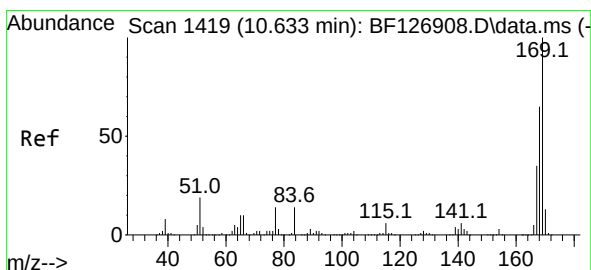
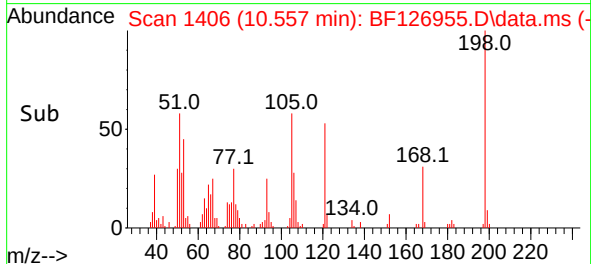
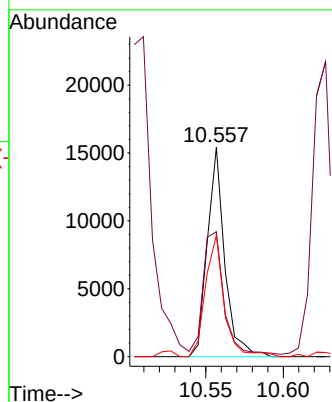
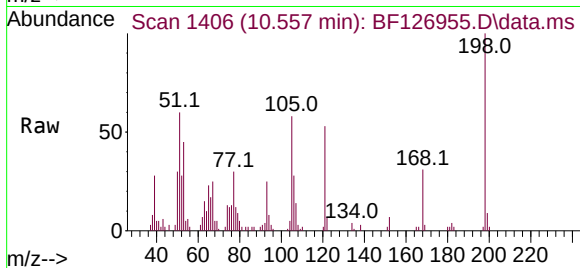




#65
4,6-Dinitro-2-methylphenol
Concen: 5.581 ng
RT: 10.557 min Scan# 1406
Delta R.T. -0.012 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

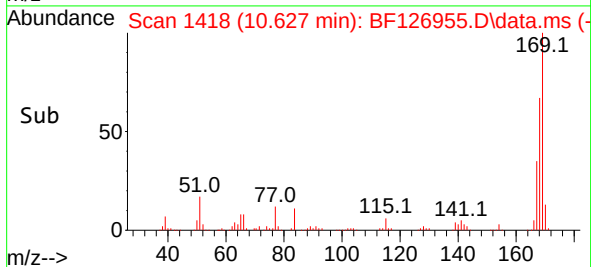
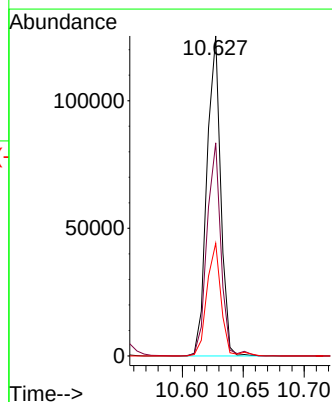
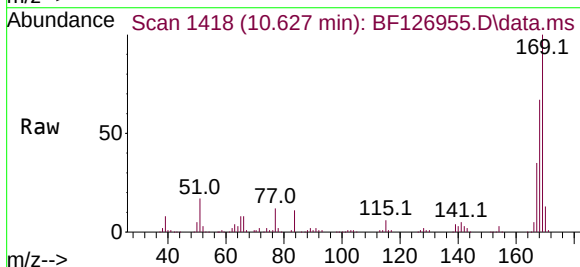
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

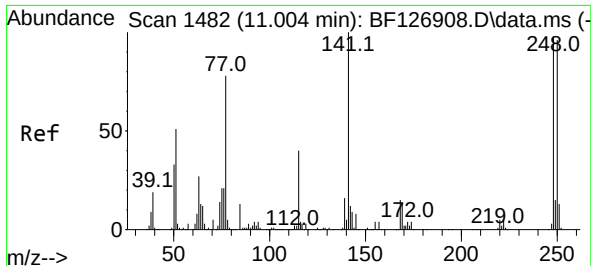
Tgt Ion:198 Resp: 11990
Ion Ratio Lower Upper
198 100
51 59.6 32.0 72.0
105 58.0 32.7 72.7



#66
n-Nitrosodiphenylamine
Concen: 8.192 ng
RT: 10.627 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

Tgt Ion:169 Resp: 98226
Ion Ratio Lower Upper
169 100
168 66.6 53.4 80.0
167 35.2 29.4 44.0





#67

4-Bromophenyl-phenylether

Concen: 7.907 ng

RT: 10.998 min Scan# 1481

Delta R.T. -0.006 min

Lab File: BF126955.D

Acq: 18 Feb 2022 16:40

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

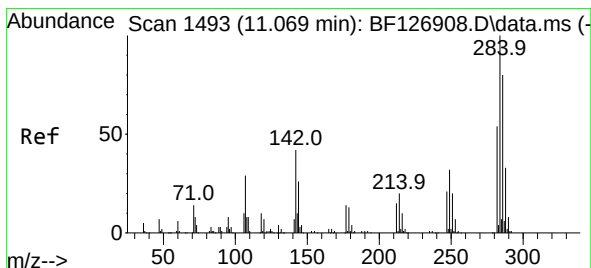
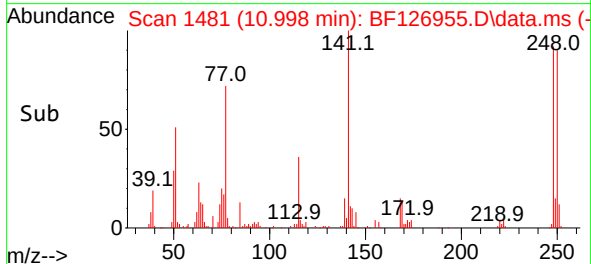
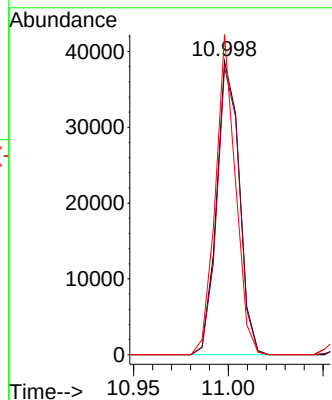
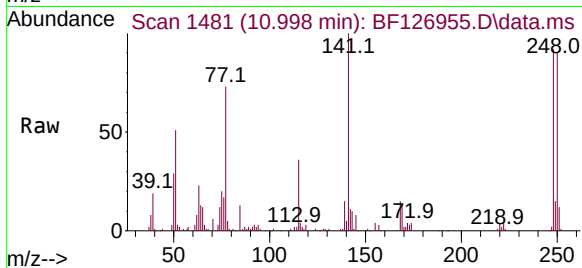
Tgt Ion:248 Resp: 32305

Ion Ratio Lower Upper

248 100

250 97.8 76.2 114.4

141 108.9 66.2 99.4#



#68

Hexachlorobenzene

Concen: 8.189 ng

RT: 11.063 min Scan# 1492

Delta R.T. -0.006 min

Lab File: BF126955.D

Acq: 18 Feb 2022 16:40

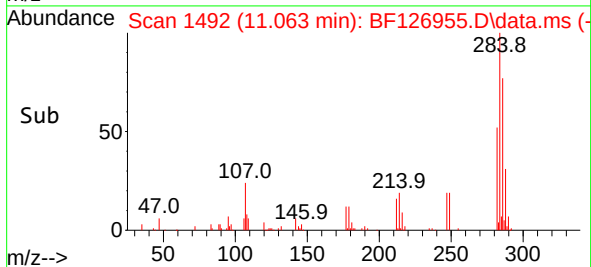
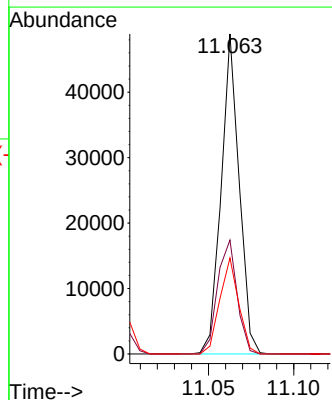
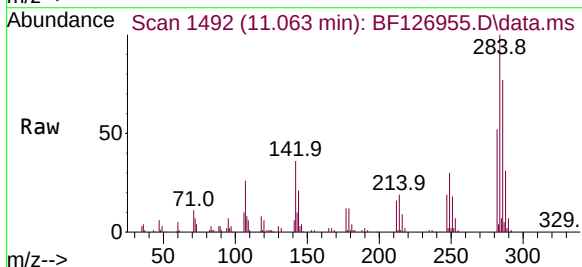
Tgt Ion:284 Resp: 36014

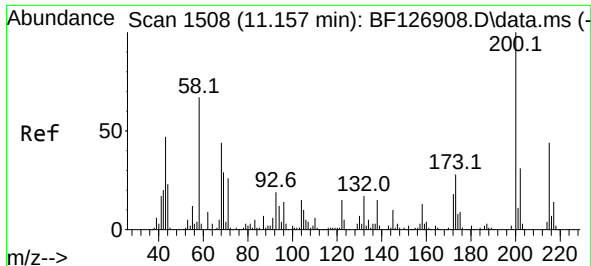
Ion Ratio Lower Upper

284 100

142 35.6 30.7 46.1

249 30.0 21.1 31.7

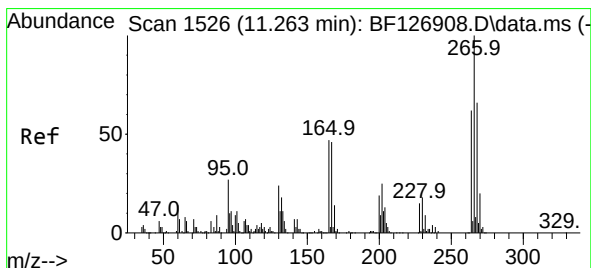
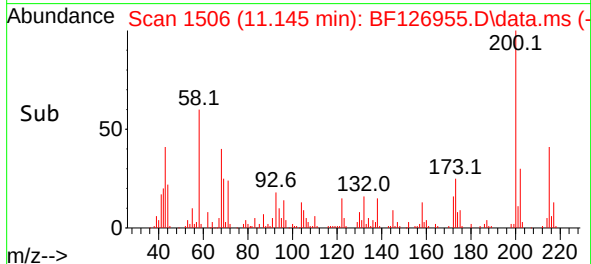
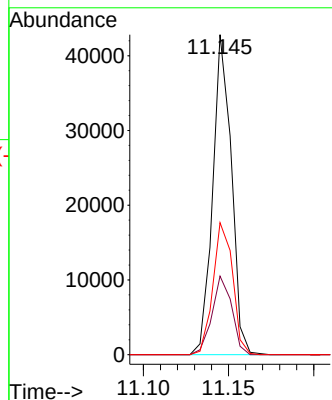
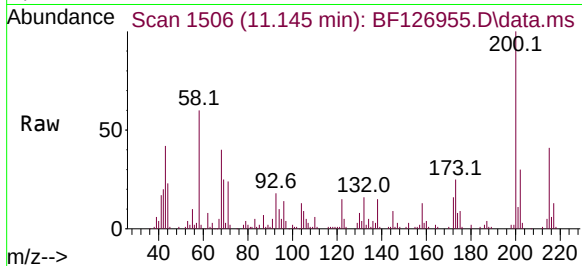




#69
 Atrazine
 Concen: 8.745 ng
 RT: 11.145 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF126955.D
 Acq: 18 Feb 2022 16:40

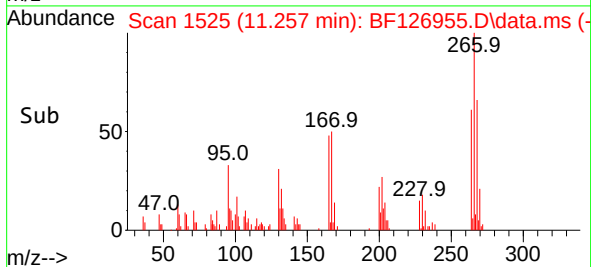
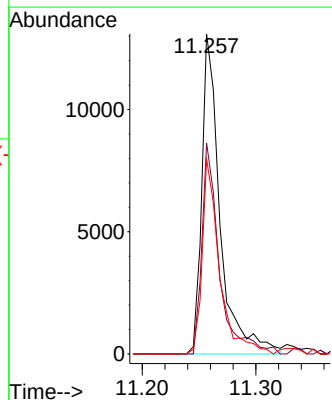
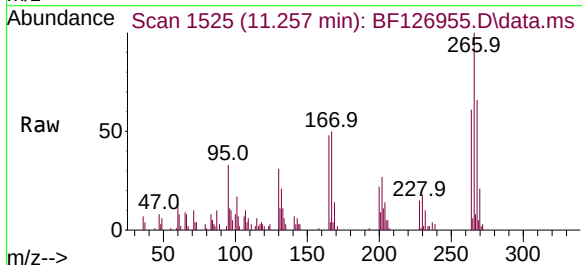
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2021

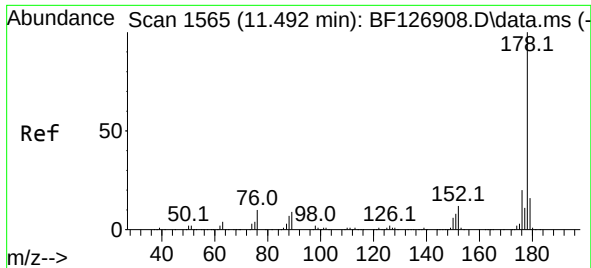
Tgt Ion:200 Resp: 32520
 Ion Ratio Lower Upper
 200 100
 173 24.5 9.2 49.2
 215 41.2 23.2 63.2



#70
 Pentachlorophenol
 Concen: 6.111 ng
 RT: 11.257 min Scan# 1525
 Delta R.T. -0.006 min
 Lab File: BF126955.D
 Acq: 18 Feb 2022 16:40

Tgt Ion:266 Resp: 14672
 Ion Ratio Lower Upper
 266 100
 268 65.9 52.3 78.5
 264 60.8 50.4 75.6

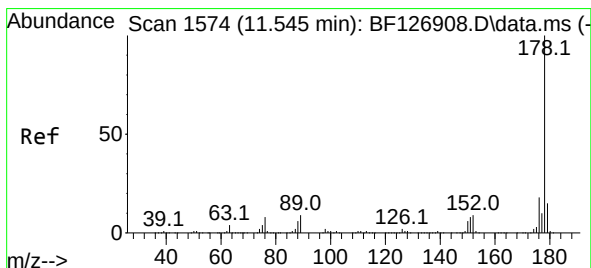
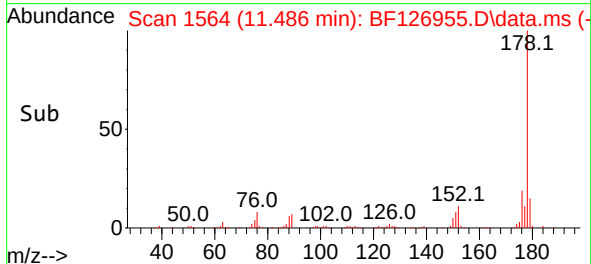
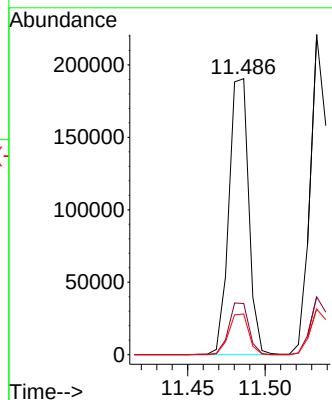
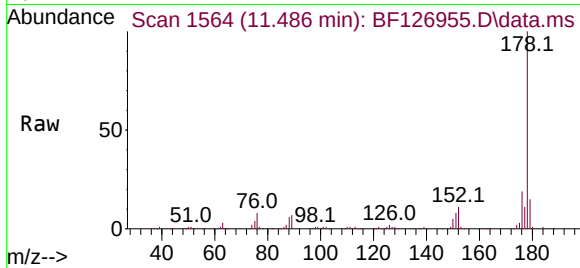




#71
Phenanthrene
Concen: 8.284 ng
RT: 11.486 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

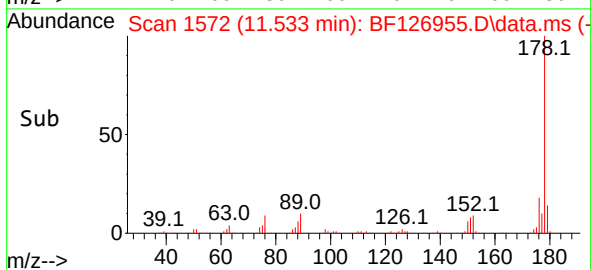
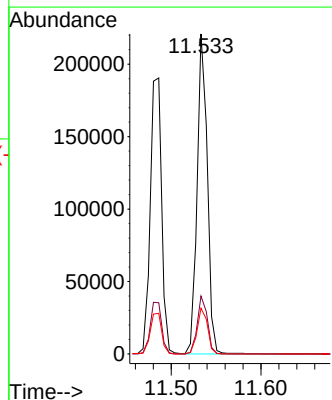
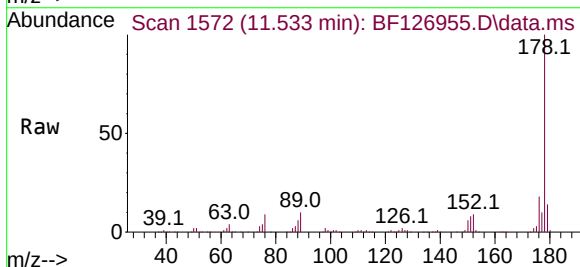
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

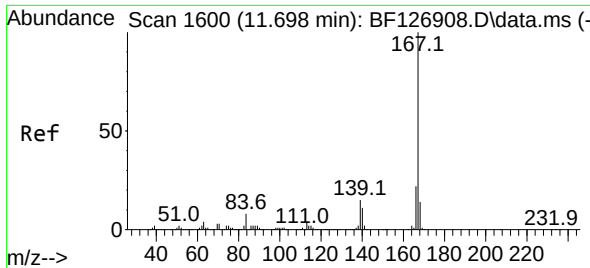
Tgt Ion:178 Resp: 169538
Ion Ratio Lower Upper
178 100
176 18.5 15.7 23.5
179 14.7 12.3 18.5



#72
Anthracene
Concen: 8.563 ng
RT: 11.533 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

Tgt Ion:178 Resp: 174455
Ion Ratio Lower Upper
178 100
176 18.1 15.0 22.6
179 14.3 12.5 18.7

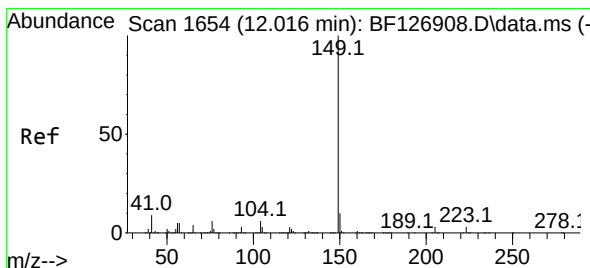
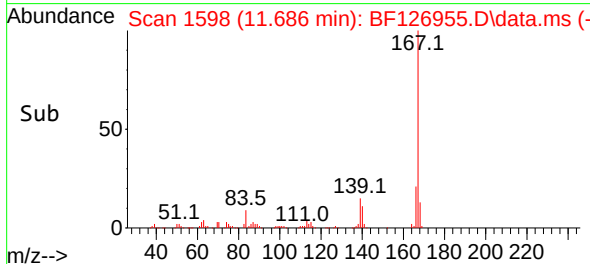
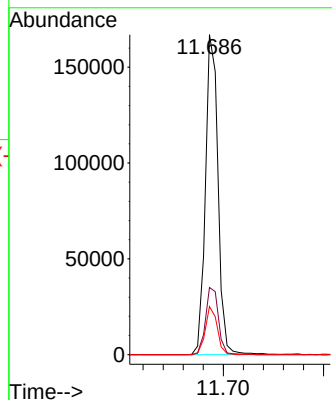
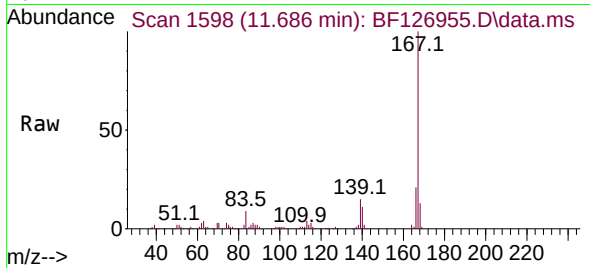




#73
 Carbazole
 Concen: 7.848 ng
 RT: 11.686 min Scan# 1166
 Delta R.T. -0.012 min
 Lab File: BF126955.D
 Acq: 18 Feb 2022 16:40

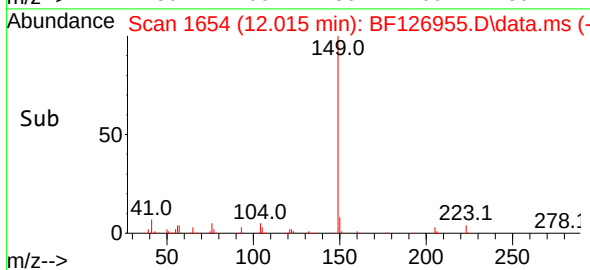
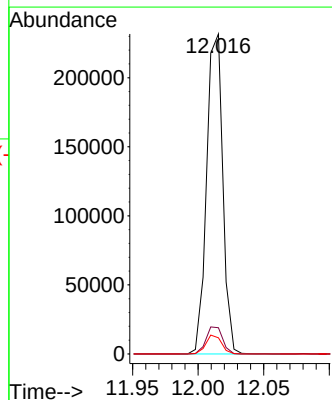
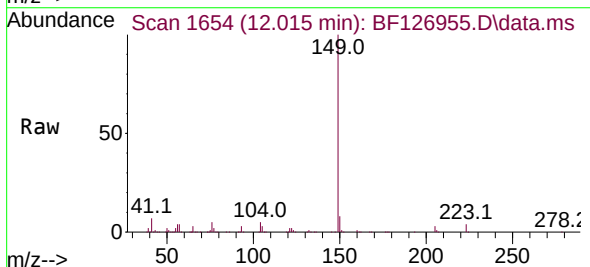
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2021

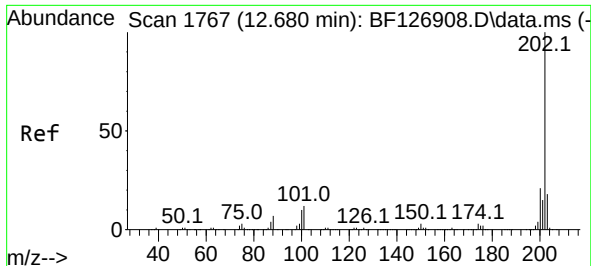
Tgt Ion:167 Resp: 146627
 Ion Ratio Lower Upper
 167 100
 166 21.0 16.9 25.3
 139 15.0 11.3 16.9



#74
 Di-n-butylphthalate
 Concen: 8.301 ng
 RT: 12.015 min Scan# 1654
 Delta R.T. -0.000 min
 Lab File: BF126955.D
 Acq: 18 Feb 2022 16:40

Tgt Ion:149 Resp: 199398
 Ion Ratio Lower Upper
 149 100
 150 8.2 7.2 10.8
 104 5.1 4.2 6.2

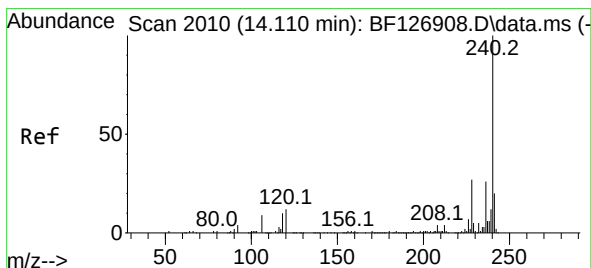
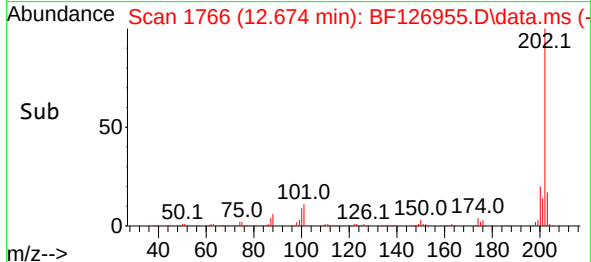
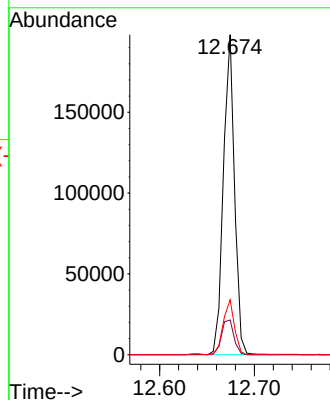
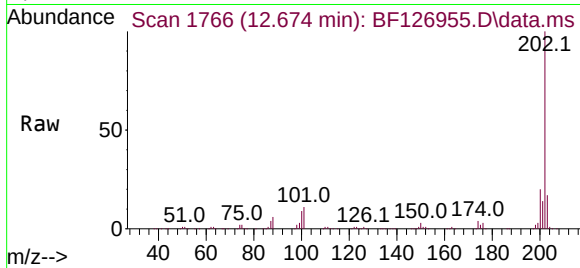




#75
Fluoranthene
Concen: 8.340 ng
RT: 12.674 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

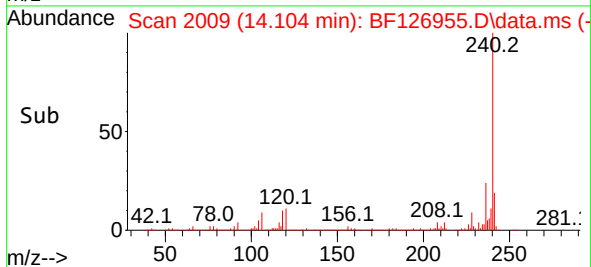
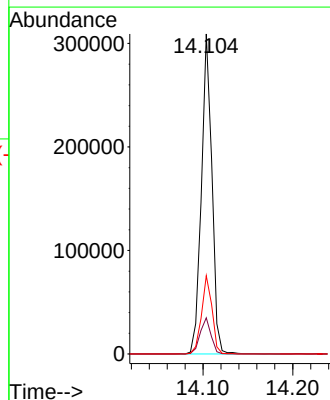
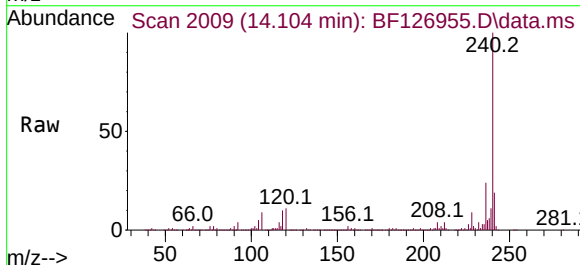
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

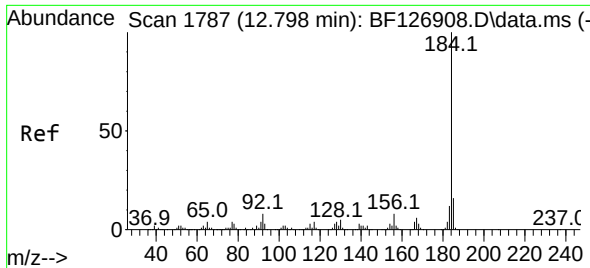
Tgt Ion:202 Resp: 162071
Ion Ratio Lower Upper
202 100
101 10.8 0.0 35.7
203 17.2 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.104 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

Tgt Ion:240 Resp: 251643
Ion Ratio Lower Upper
240 100
120 11.3 14.4 21.6#
236 24.4 20.5 30.7

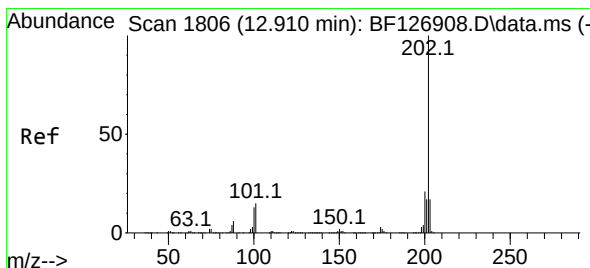
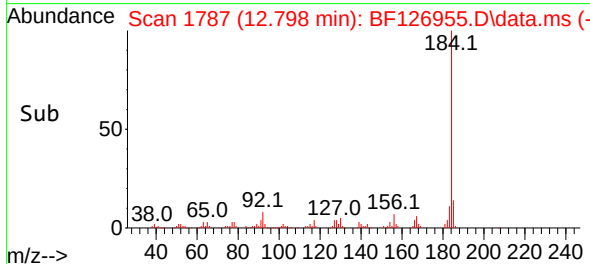
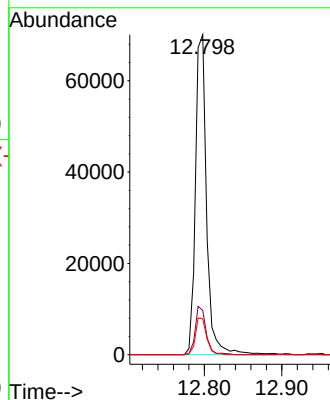
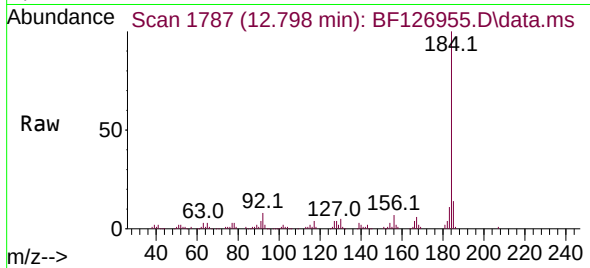




#77
Benzidine
Concen: 10.265 ng
RT: 12.798 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

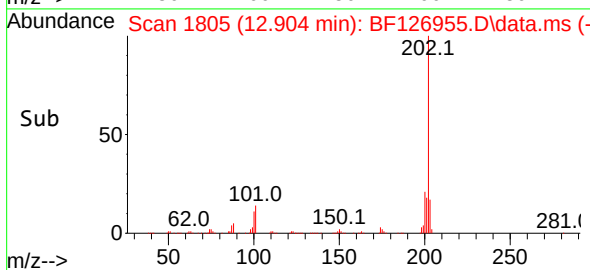
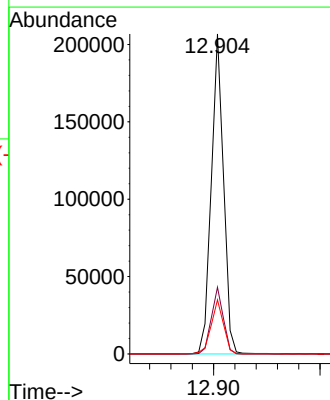
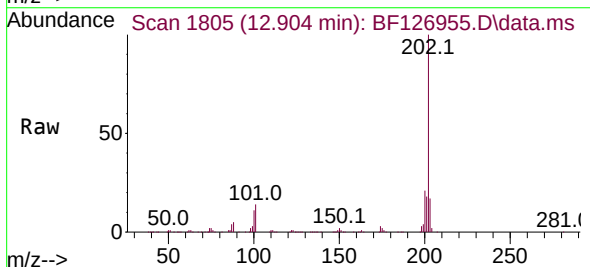
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

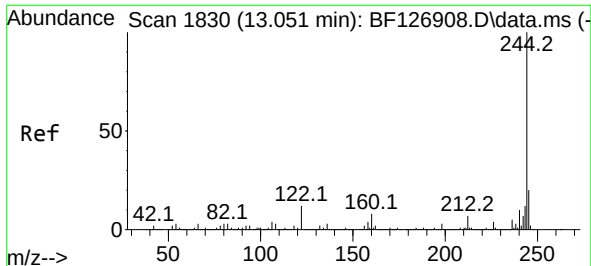
Tgt Ion:184 Resp: 70200
Ion Ratio Lower Upper
184 100
185 13.8 11.8 17.8
183 11.2 8.2 12.2



#78
Pyrene
Concen: 7.548 ng
RT: 12.904 min Scan# 1805
Delta R.T. -0.006 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

Tgt Ion:202 Resp: 165013
Ion Ratio Lower Upper
202 100
200 20.9 16.6 24.8
203 16.9 13.8 20.8

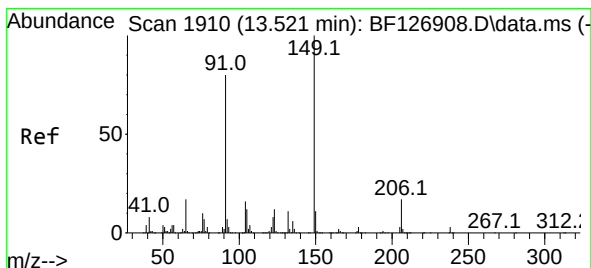
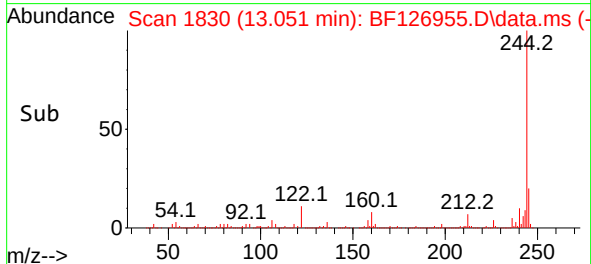
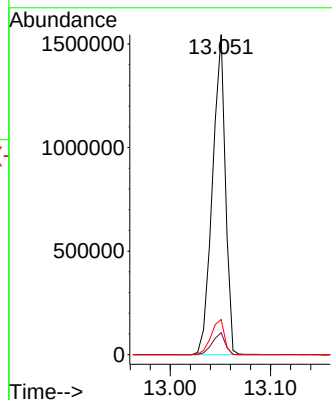
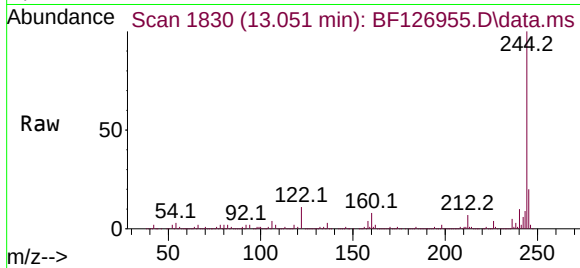




#79
 Terphenyl-d14
 Concen: 81.070 ng
 RT: 13.051 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF126955.D
 Acq: 18 Feb 2022 16:40

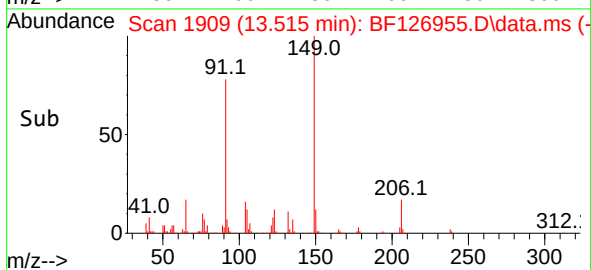
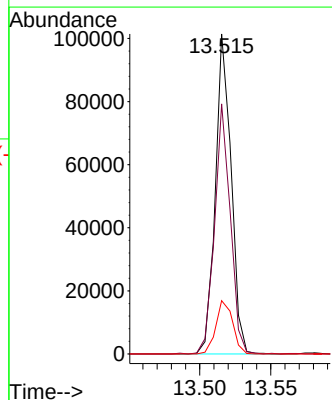
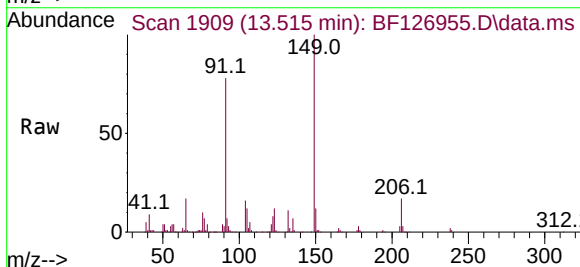
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2021

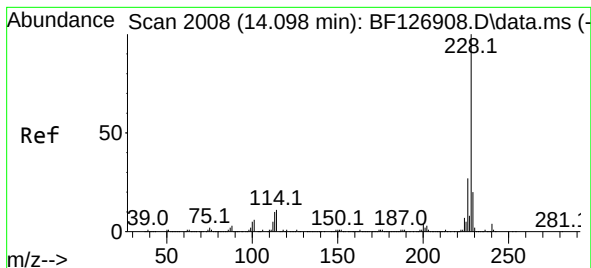
Tgt Ion:244 Resp: 1387769
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.0 7.4
 122 11.0 13.3 19.9#



#80
 Butylbenzylphthalate
 Concen: 7.554 ng
 RT: 13.515 min Scan# 1909
 Delta R.T. -0.006 min
 Lab File: BF126955.D
 Acq: 18 Feb 2022 16:40

Tgt Ion:149 Resp: 78183
 Ion Ratio Lower Upper
 149 100
 91 78.2 70.5 105.7
 206 16.6 12.6 19.0





#81

Benzo(a)anthracene

Concen: 7.781 ng

RT: 14.092 min Scan# 2007

Delta R.T. -0.006 min

Lab File: BF126955.D

Acq: 18 Feb 2022 16:40

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

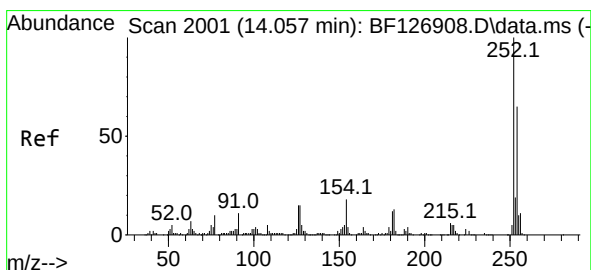
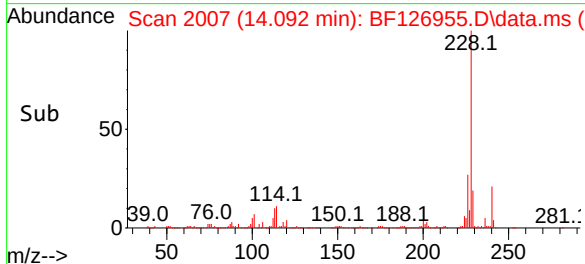
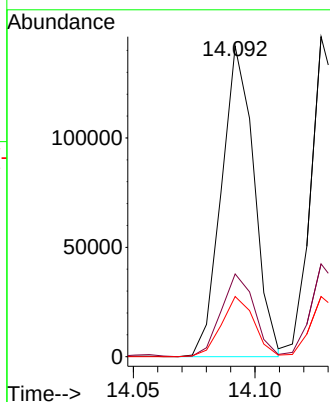
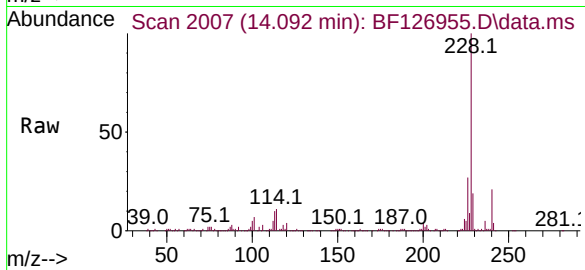
Tgt Ion:228 Resp: 132002

Ion Ratio Lower Upper

228 100

226 26.7 21.4 32.0

229 19.4 15.4 23.2



#82

3,3'-Dichlorobenzidine

Concen: 8.151 ng

RT: 14.057 min Scan# 2001

Delta R.T. 0.000 min

Lab File: BF126955.D

Acq: 18 Feb 2022 16:40

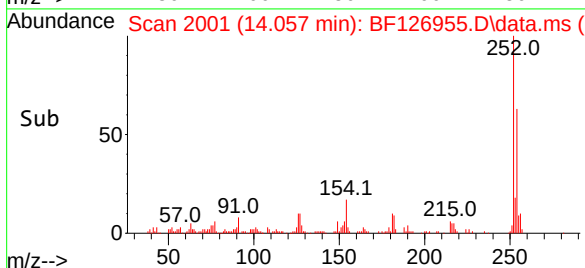
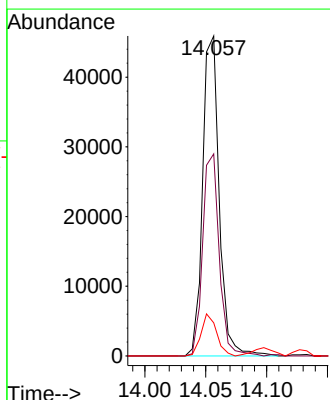
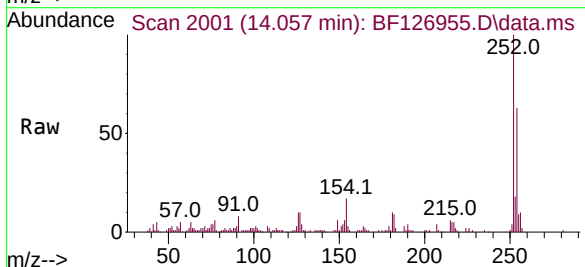
Tgt Ion:252 Resp: 43579

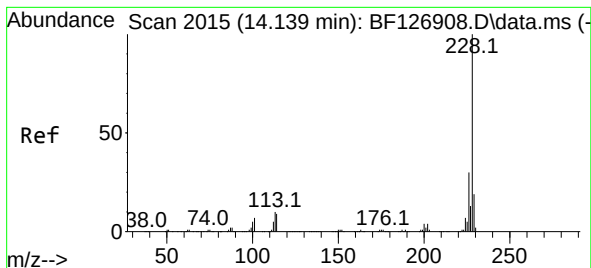
Ion Ratio Lower Upper

252 100

254 63.1 51.0 76.4

126 10.3 13.4 20.0#





#83

Chrysene

Concen: 7.844 ng

RT: 14.127 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF126955.D

Acq: 18 Feb 2022 16:40

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

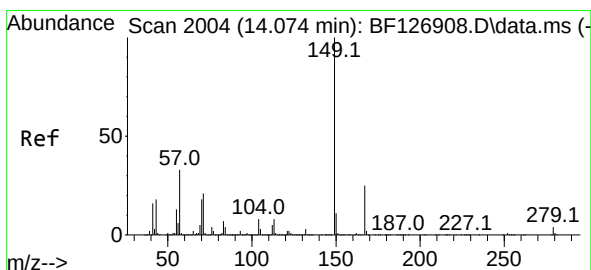
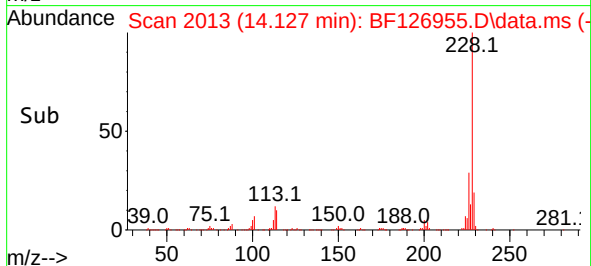
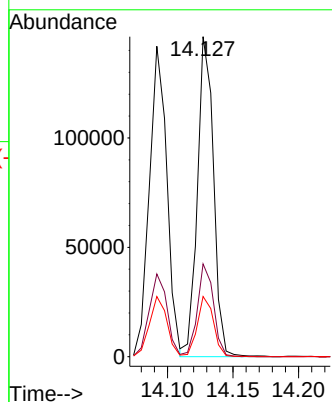
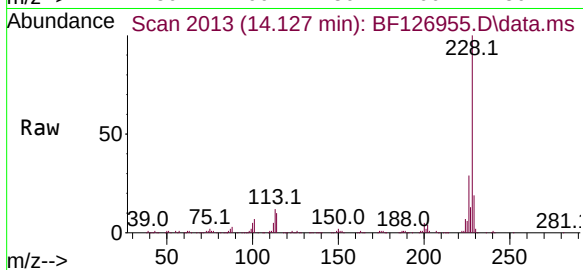
Tgt Ion:228 Resp: 125131

Ion Ratio Lower Upper

228 100

226 29.0 23.7 35.5

229 18.8 15.5 23.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.155 ng

RT: 14.074 min Scan# 2004

Delta R.T. -0.000 min

Lab File: BF126955.D

Acq: 18 Feb 2022 16:40

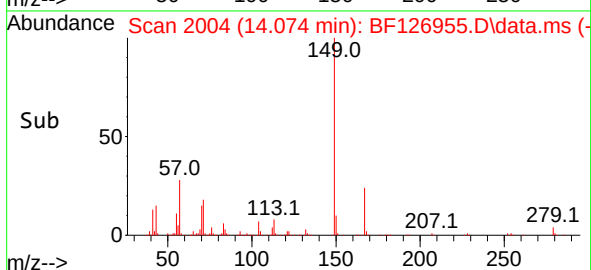
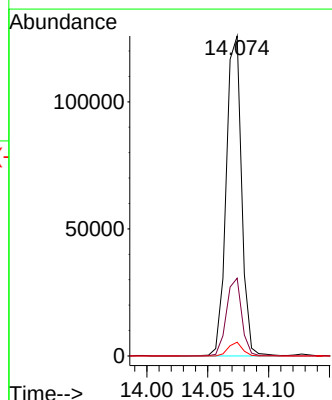
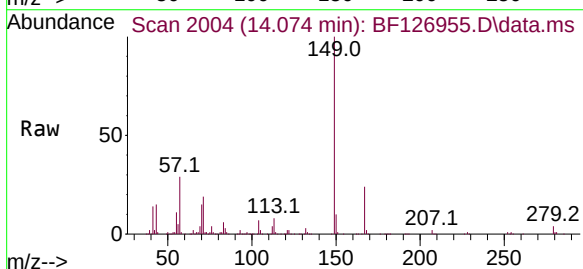
Tgt Ion:149 Resp: 110807

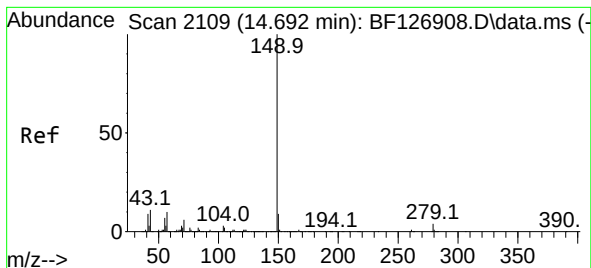
Ion Ratio Lower Upper

149 100

167 24.3 21.4 32.2

279 4.3 2.4 3.6





#85

Di-n-octyl phthalate

Concen: 8.620 ng

RT: 14.686 min Scan# 2108

Delta R.T. -0.006 min

Lab File: BF126955.D

Acq: 18 Feb 2022 16:40

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

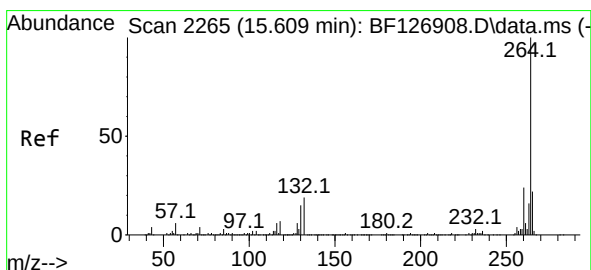
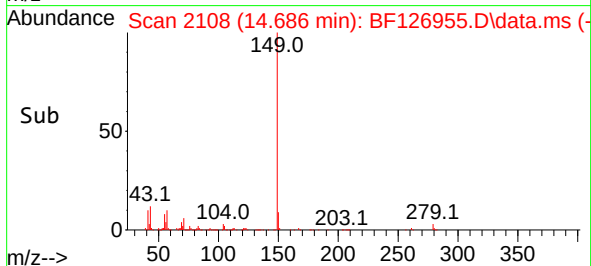
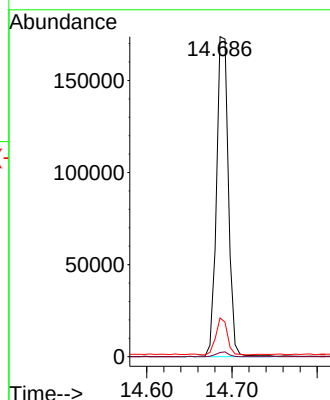
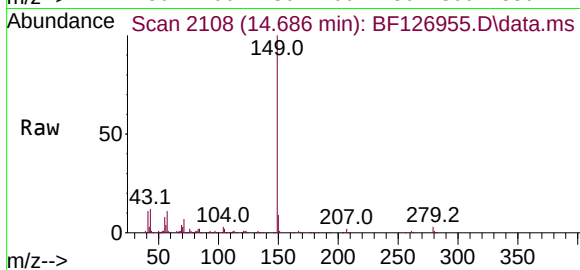
Tgt Ion:149 Resp: 168636

Ion Ratio Lower Upper

149 100

167 1.6 1.1 1.7

43 11.1 9.9 14.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.609 min Scan# 2265

Delta R.T. -0.000 min

Lab File: BF126955.D

Acq: 18 Feb 2022 16:40

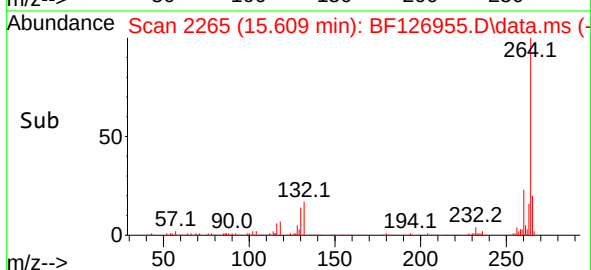
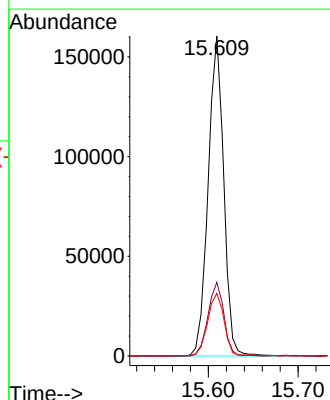
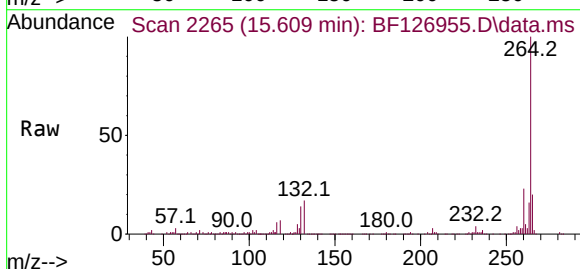
Tgt Ion:264 Resp: 193217

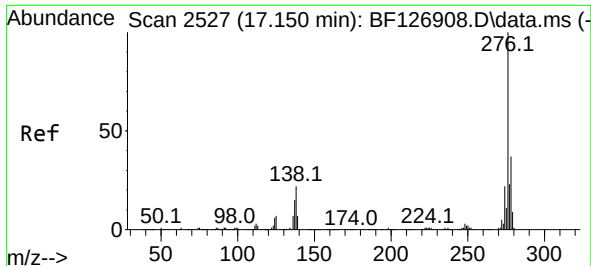
Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

265 19.5 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.425 ng

RT: 17.133 min Scan# 2189

Delta R.T. -0.018 min

Lab File: BF126955.D

Acq: 18 Feb 2022 16:40

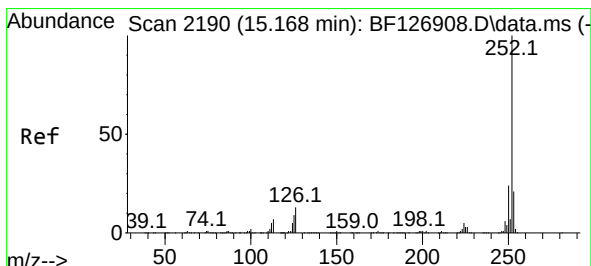
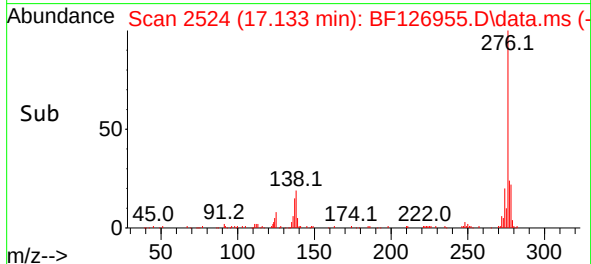
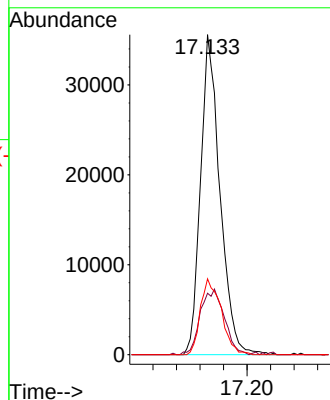
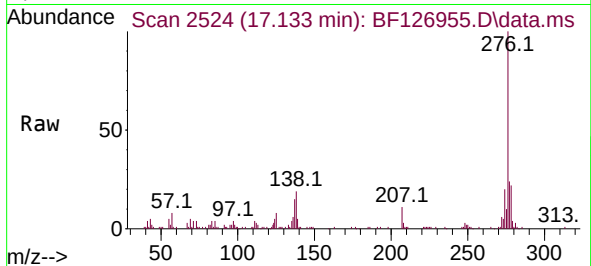
Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

Tgt Ion:	276	Resp:	81406
Ion Ratio	Lower	Upper	
276	100		
138	25.4	29.2	43.8#
277	25.4	19.8	29.8



#88

Benzo(b)fluoranthene

Concen: 8.280 ng

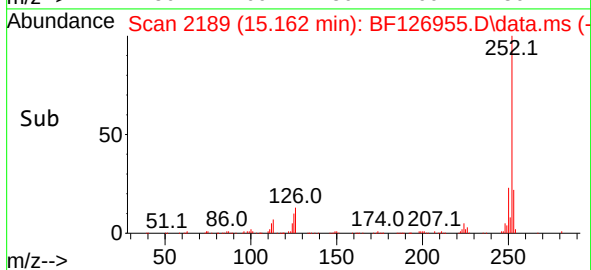
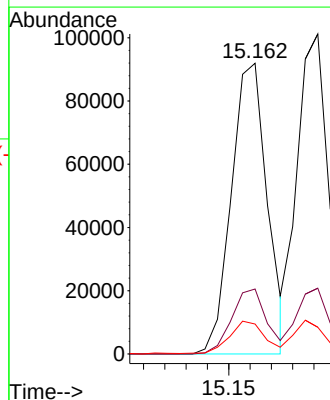
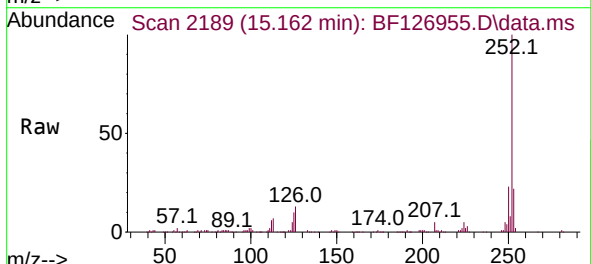
RT: 15.162 min Scan# 2189

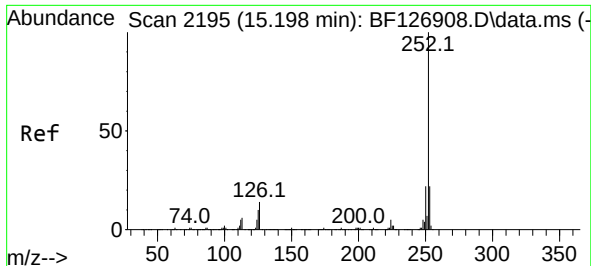
Delta R.T. -0.006 min

Lab File: BF126955.D

Acq: 18 Feb 2022 16:40

Tgt Ion:	252	Resp:	107449
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.8	26.8
125	10.3	12.4	18.6#

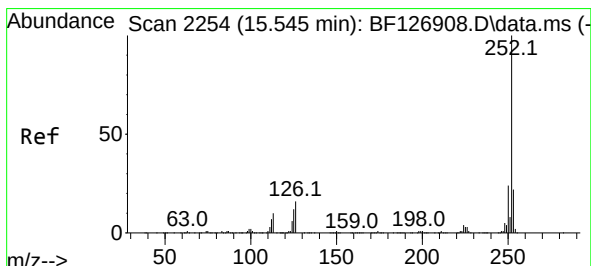
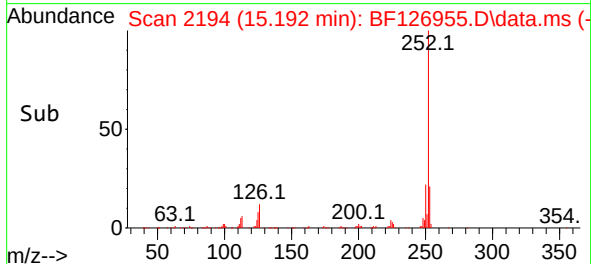
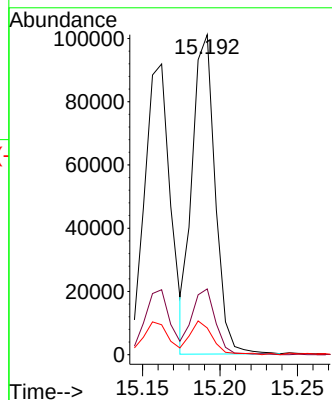
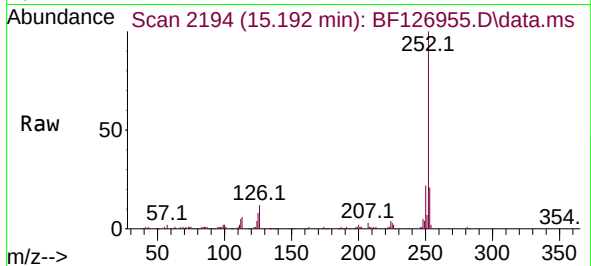




#89
Benzo(k)fluoranthene
Concen: 8.327 ng
RT: 15.192 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

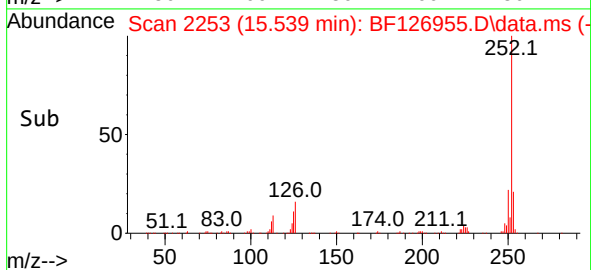
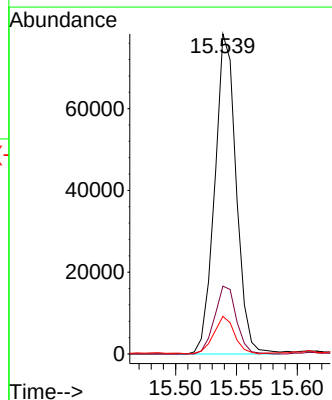
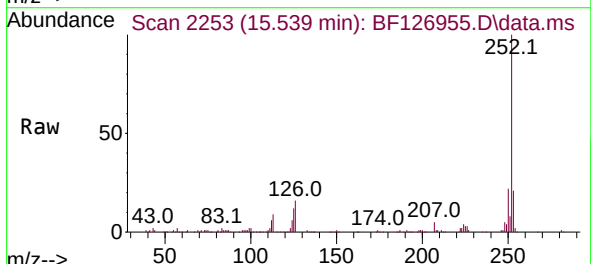
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

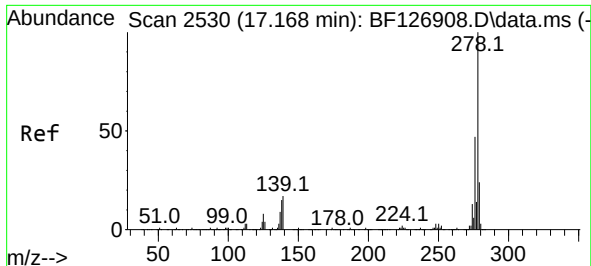
Tgt Ion:252 Resp: 104222
Ion Ratio Lower Upper
252 100
253 20.6 17.5 26.3
125 8.4 11.8 17.6#



#90
Benzo(a)pyrene
Concen: 9.471 ng
RT: 15.539 min Scan# 2253
Delta R.T. -0.006 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

Tgt Ion:252 Resp: 96000
Ion Ratio Lower Upper
252 100
253 21.2 17.1 25.7
125 11.8 13.0 19.6#

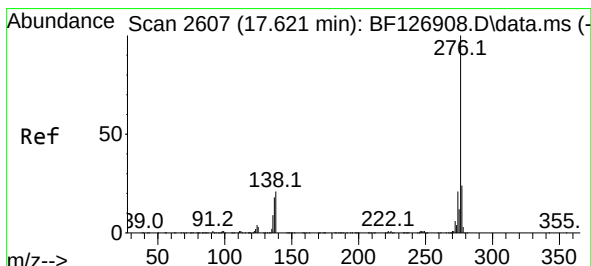
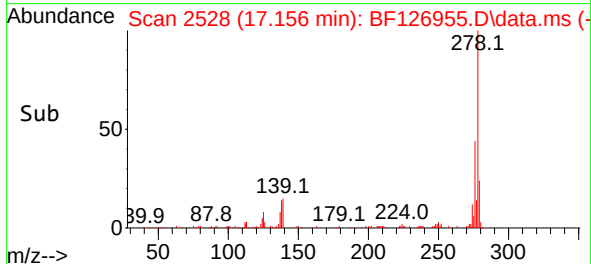
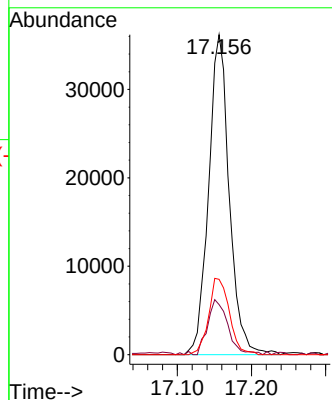
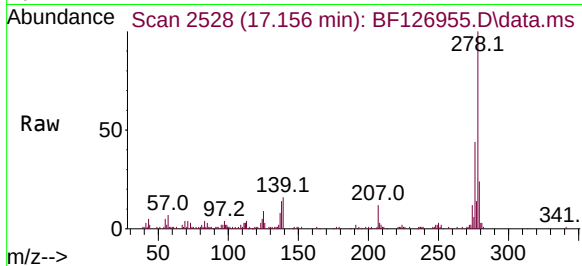




#91
Dibenzo(a,h)anthracene
Concen: 6.692 ng
RT: 17.156 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

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

Tgt Ion:278 Resp: 70123
Ion Ratio Lower Upper
278 100
139 15.7 18.0 27.0#
279 23.5 18.6 27.8



#92
Benzo(g,h,i)perylene
Concen: 6.722 ng
RT: 17.603 min Scan# 2604
Delta R.T. -0.018 min
Lab File: BF126955.D
Acq: 18 Feb 2022 16:40

Tgt Ion:276 Resp: 69441
Ion Ratio Lower Upper
276 100
277 24.4 18.5 27.7
138 17.9 25.9 38.9#

