

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013123\
 Data File : BF132245.D
 Acq On : 31 Jan 2023 23:25
 Operator : CG\JU
 Sample : N3980-03
 Misc : MDL-MDL-SOIL 4PPM
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2022

Quant Time: Feb 01 05:59:02 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 05:24:37 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.072	152	183627	20.000	ng	0.00
21) Naphthalene-d8	8.354	136	689683	20.000	ng	0.00
39) Acenaphthene-d10	10.119	164	349422	20.000	ng	0.00
64) Phenanthrene-d10	11.619	188	644105	20.000	ng	0.00
76) Chrysene-d12	14.277	240	465281	20.000	ng	#-0.01
86) Perylene-d12	15.865	264	444066	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.684	112	1231011	107.758	ng	0.00
7) Phenol-d6	6.684	99	1515245	107.586	ng	0.00
23) Nitrobenzene-d5	7.631	82	922051	74.396	ng	0.00
42) 2,4,6-Tribromophenol	10.913	330	405963	112.977	ng	0.00
45) 2-Fluorobiphenyl	9.436	172	1552310	68.603	ng	0.00
79) Terphenyl-d14	13.213	244	1645100	68.395	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.966	88	21401	3.981	ng	97
3) Pyridine	3.778	79	50494	3.463	ng	96
4) n-Nitrosodimethylamine	3.678	42	17212	3.689	ng	# 91
6) Aniline	6.731	93	75208	3.935	ng	99
8) 2-Chlorophenol	6.848	128	51658	4.366	ng	92
9) Benzaldehyde	6.619	77	42350	3.937	ng	95
10) Phenol	6.695	94	61855	4.243	ng	93
11) bis(2-Chloroethyl)ether	6.795	93	49888	4.158	ng	99
12) 1,3-Dichlorobenzene	7.007	146	55693	4.450	ng	98
13) 1,4-Dichlorobenzene	7.084	146	57239	4.582	ng	96
14) 1,2-Dichlorobenzene	7.242	146	53825	4.620	ng	97
15) Benzyl Alcohol	7.195	79	37699	3.668	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.337	45	54324	4.298	ng	97
17) 2-Methylphenol	7.295	107	41978	4.053	ng	96
18) Hexachloroethane	7.584	117	20690	4.415	ng	92
19) n-Nitroso-di-n-propyla...	7.466	70	34347	4.293	ng	98
20) 3+4-Methylphenols	7.448	107	52917	4.003	ng	97
22) Acetophenone	7.466	105	74190	4.574	ng	98
24) Nitrobenzene	7.648	77	53563	4.230	ng	99
25) Isophorone	7.878	82	93686	3.983	ng	97
26) 2-Nitrophenol	7.966	139	24163	3.918	ng	90
27) 2,4-Dimethylphenol	7.984	122	41806	3.873	ng	99
28) bis(2-Chloroethoxy)met...	8.089	93	61361	4.245	ng	98
29) 2,4-Dichlorophenol	8.201	162	38999	4.069	ng	98
30) 1,2,4-Trichlorobenzene	8.289	180	44171	4.304	ng	99
31) Naphthalene	8.378	128	150006	4.419	ng	99
32) Benzoic acid	8.019	122	16625	2.081	ng	97
33) 4-Chloroaniline	8.419	127	61535	4.088	ng	99
34) Hexachlorobutadiene	8.489	225	24966	4.327	ng	99
35) Caprolactam	8.742	113	12493	3.824	ng	96
36) 4-Chloro-3-methylphenol	8.884	107	42347	4.101	ng	99
37) 2-Methylnaphthalene	9.072	142	97205	4.227	ng	98
38) 1-Methylnaphthalene	9.172	142	94452	4.420	ng	100
40) 1,2,4,5-Tetrachloroben...	9.231	216	43286	4.402	ng	98
41) Hexachlorocyclopentadiene	9.219	237	23220	4.047	ng	99
43) 2,4,6-Trichlorophenol	9.342	196	27822	3.958	ng	98

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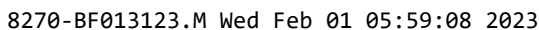
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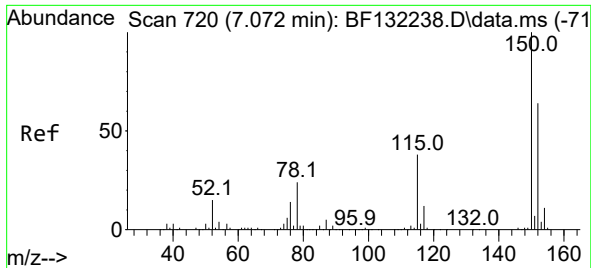
Quant Time: Feb 01 05:59:02 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.378	196	28889	3.571	ng	96
46) 1,1'-Biphenyl	9.531	154	120832	4.485	ng	99
47) 2-Chloronaphthalene	9.560	162	91023	4.436	ng	97
48) 2-Nitroaniline	9.648	65	22126	3.626	ng	97
49) Acenaphthylene	9.978	152	141468	4.225	ng	99
50) Dimethylphthalate	9.825	163	101292	4.144	ng	99
51) 2,6-Dinitrotoluene	9.889	165	20409	3.739	ng	89
52) Acenaphthene	10.154	154	88006	4.198	ng	98
53) 3-Nitroaniline	10.060	138	24203	3.656	ng	95
54) 2,4-Dinitrophenol	10.160	184	5383	5.937	ng #	1
55) Dibenzofuran	10.325	168	126776	4.304	ng	95
56) 4-Nitrophenol	10.195	139	16926	3.398	ng	89
57) 2,4-Dinitrotoluene	10.289	165	26144	3.687	ng	97
58) Fluorene	10.672	166	100557	4.436	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.436	232	22233	3.770	ng	98
60) Diethylphthalate	10.525	149	99909	4.109	ng	98
61) 4-Chlorophenyl-phenyle...	10.660	204	45991	4.275	ng	98
62) 4-Nitroaniline	10.672	138	22695	3.575	ng	95
63) Azobenzene	10.819	77	95762	4.043	ng	98
65) 4,6-Dinitro-2-methylph...	10.701	198	9240	2.528	ng	99
66) n-Nitrosodiphenylamine	10.772	169	84332	4.181	ng	98
67) 4-Bromophenyl-phenylether	11.154	248	26441	4.009	ng	98
68) Hexachlorobenzene	11.219	284	31242	4.432	ng	99
69) Atrazine	11.295	200	25380	4.375	ng	95
70) Pentachlorophenol	11.413	266	12498	2.580	ng #	89
71) Phenanthrene	11.642	178	148052	4.399	ng	97
72) Anthracene	11.695	178	149065	4.352	ng	97
73) Carbazole	11.842	167	131892	4.294	ng	97
74) Di-n-butylphthalate	12.166	149	146867	4.045	ng	99
75) Fluoranthene	12.842	202	142347	4.144	ng	98
77) Benzidine	12.960	184	65826	4.047	ng	98
78) Pyrene	13.072	202	151431	4.046	ng	98
80) Butylbenzylphthalate	13.683	149	54607	3.303	ng	99
81) Benzo(a)anthracene	14.266	228	131755	4.049	ng	99
82) 3,3'-Dichlorobenzidine	14.224	252	42190	4.070	ng	99
83) Chrysene	14.307	228	122585	4.023	ng	97
84) Bis(2-ethylhexyl)phtha...	14.242	149	80382	3.597	ng	99
85) Di-n-octyl phthalate	14.877	149	126836	3.480	ng	100
87) Indeno(1,2,3-cd)pyrene	17.501	276	98241	3.329	ng	99
88) Benzo(b)fluoranthene	15.383	252	114508	4.057	ng	98
89) Benzo(k)fluoranthene	15.418	252	114030	4.232	ng	97
90) Benzo(a)pyrene	15.795	252	94967	3.613	ng	100
91) Dibenzo(a,h)anthracene	17.524	278	83906	3.537	ng	99
92) Benzo(g,h,i)perylene	18.001	276	84050	3.429	ng	99

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

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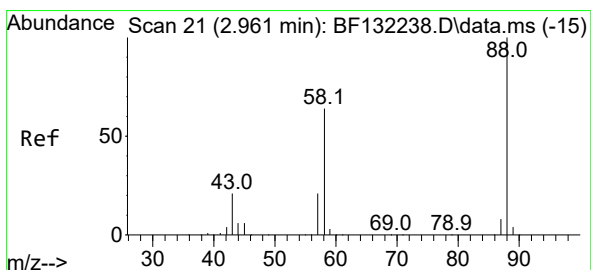
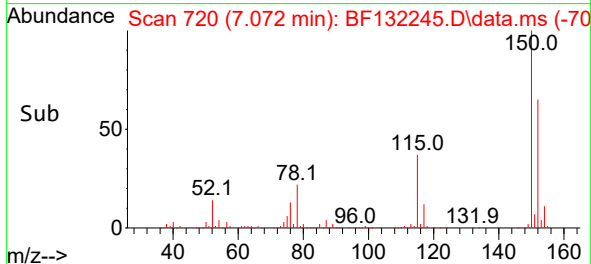
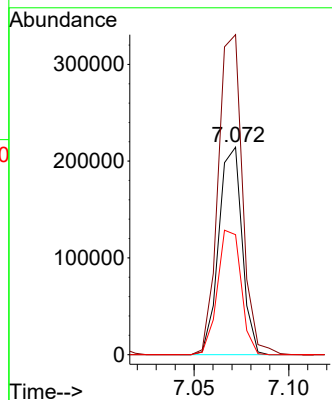
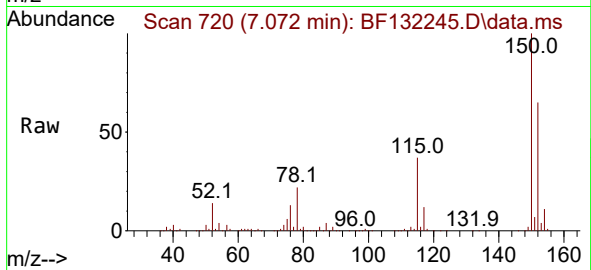




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.072 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: BF132245.D
 Acq: 31 Jan 2023 23:25

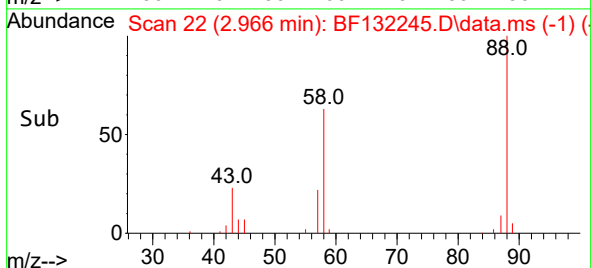
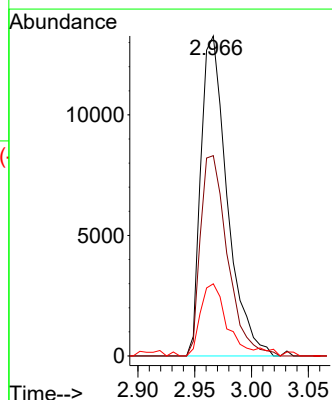
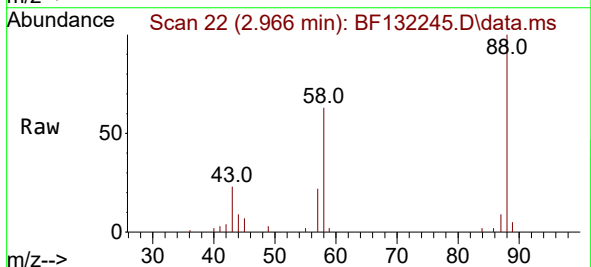
Instrument :
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 MDL-SOIL-03-QT3-2022

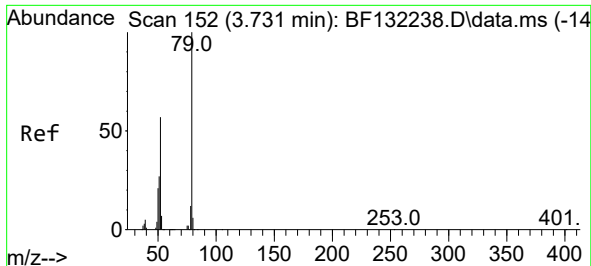
Tgt Ion:152 Resp: 183627
 Ion Ratio Lower Upper
 152 100
 150 154.1 124.2 186.2
 115 57.8 47.3 70.9



#2
 1,4-Dioxane
 Concen: 3.981 ng
 RT: 2.966 min Scan# 22
 Delta R.T. 0.006 min
 Lab File: BF132245.D
 Acq: 31 Jan 2023 23:25

Tgt Ion: 88 Resp: 21401
 Ion Ratio Lower Upper
 88 100
 58 64.3 50.2 75.2
 43 23.7 16.9 25.3

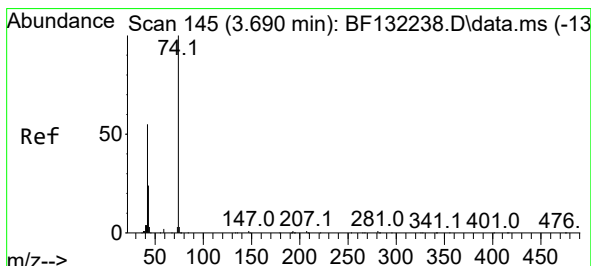
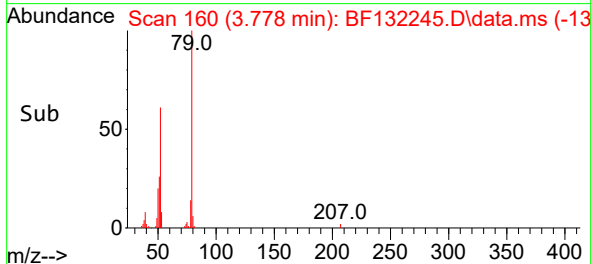
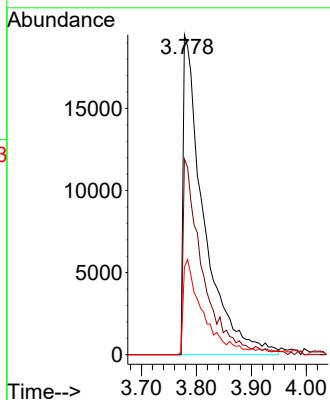
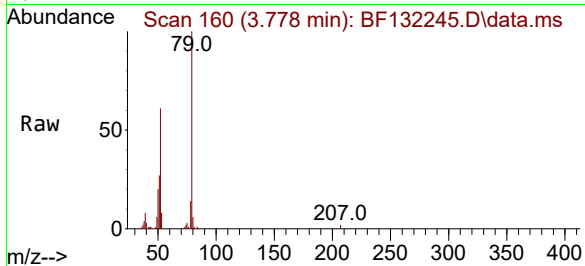




#3
Pyridine
Concen: 3.463 ng
RT: 3.778 min Scan# 11
Delta R.T. 0.047 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

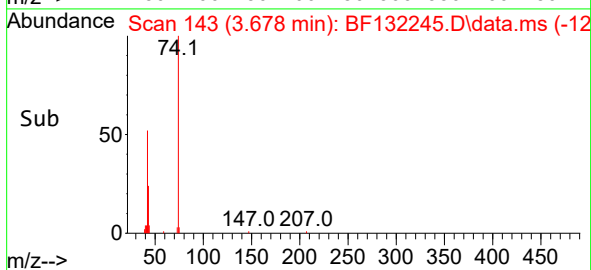
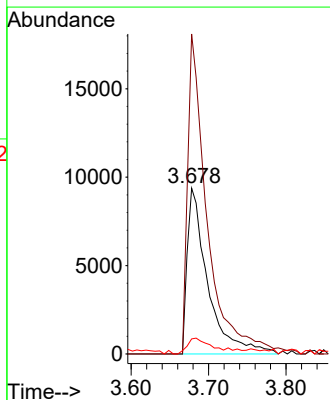
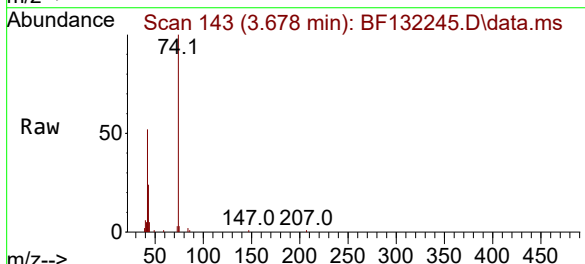
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022

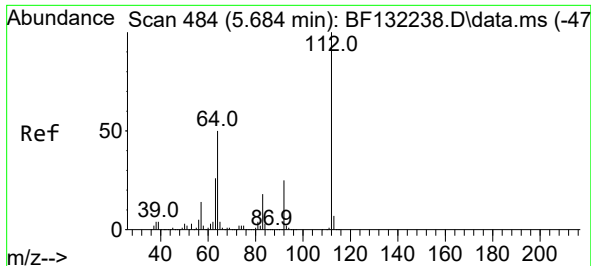
Tgt Ion: 79 Resp: 50494
Ion Ratio Lower Upper
79 100
52 61.1 45.6 68.4
51 27.4 21.5 32.3



#4
n-Nitrosodimethylamine
Concen: 3.689 ng
RT: 3.678 min Scan# 143
Delta R.T. -0.012 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

Tgt Ion: 42 Resp: 17212
Ion Ratio Lower Upper
42 100
74 193.1 144.6 217.0
44 9.1 5.1 7.7#

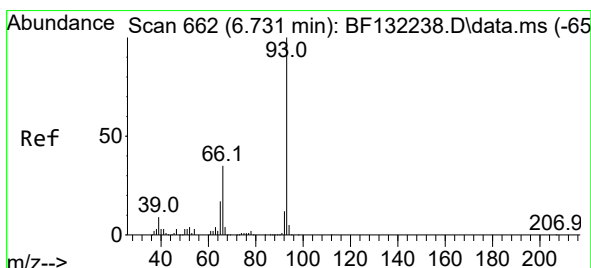
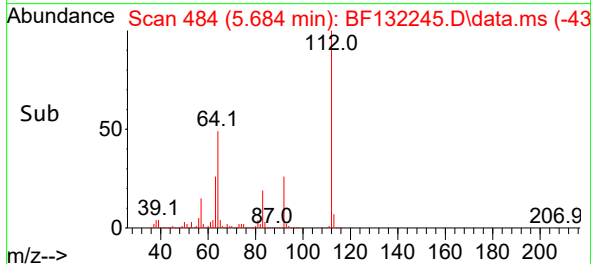
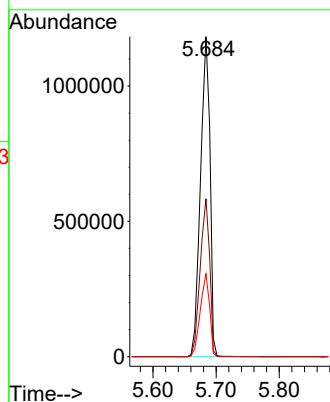
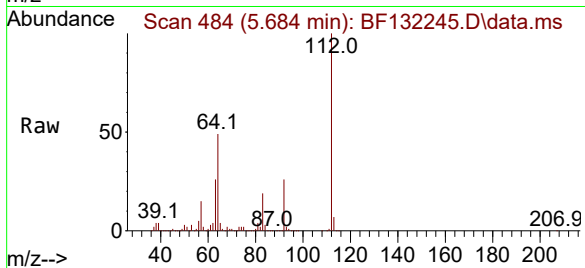




#5
2-Fluorophenol
Concen: 107.758 ng
RT: 5.684 min Scan# 484
Delta R.T. -0.000 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

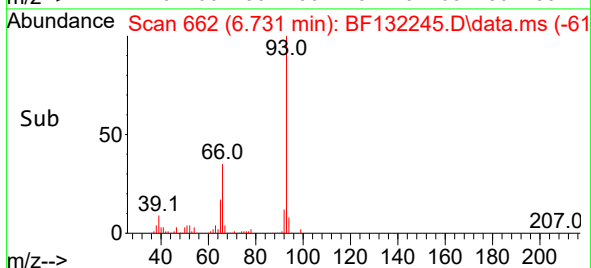
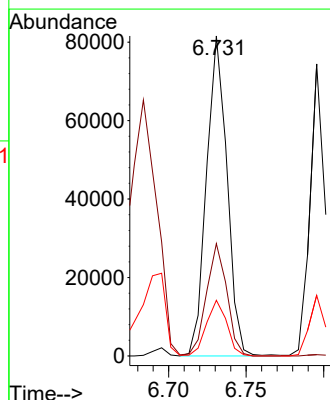
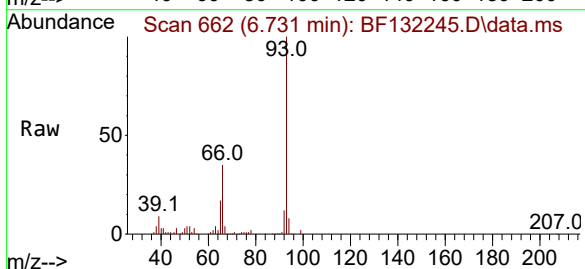
Instrument :
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ClientSampleId :
MDL-SOIL-03-QT3-2022

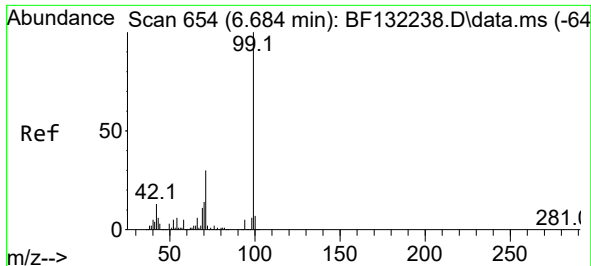
Tgt Ion:112 Resp: 1231011
Ion Ratio Lower Upper
112 100
64 49.3 40.0 60.0
63 25.8 20.5 30.7



#6
Aniline
Concen: 3.935 ng
RT: 6.731 min Scan# 662
Delta R.T. -0.000 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

Tgt Ion: 93 Resp: 75208
Ion Ratio Lower Upper
93 100
66 35.1 28.8 43.2
65 17.4 14.2 21.4





#7

Phenol-d6

Concen: 107.586 ng

RT: 6.684 min Scan# 61

Delta R.T. -0.000 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2022

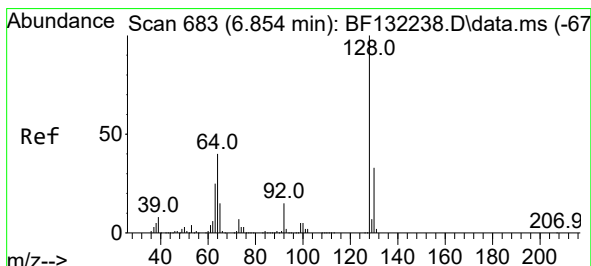
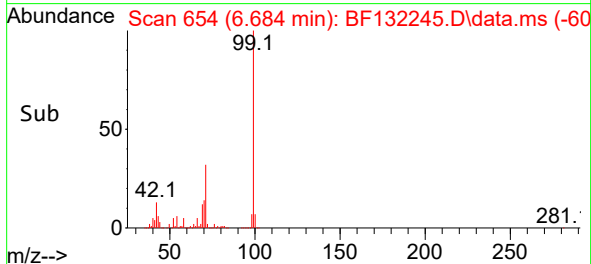
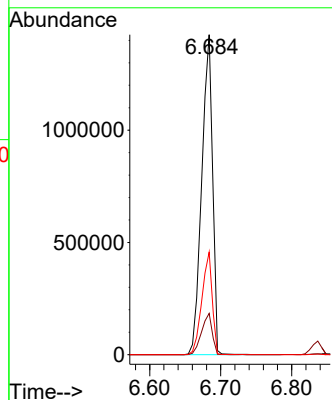
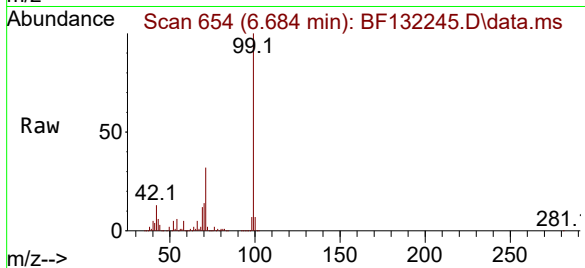
Tgt Ion: 99 Resp: 1515245

Ion Ratio Lower Upper

99 100

42 12.9 10.1 15.1

71 32.0 24.2 36.4



#8

2-Chlorophenol

Concen: 4.366 ng

RT: 6.848 min Scan# 682

Delta R.T. -0.006 min

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Acq: 31 Jan 2023 23:25

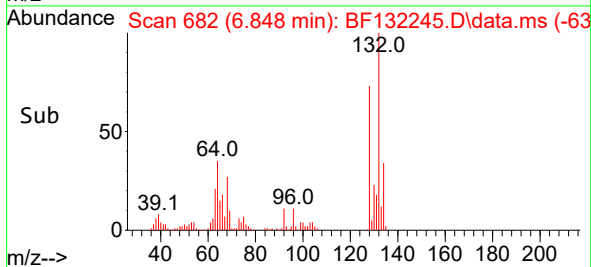
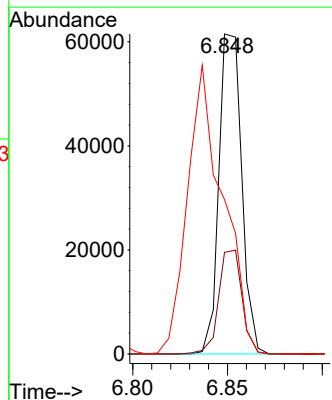
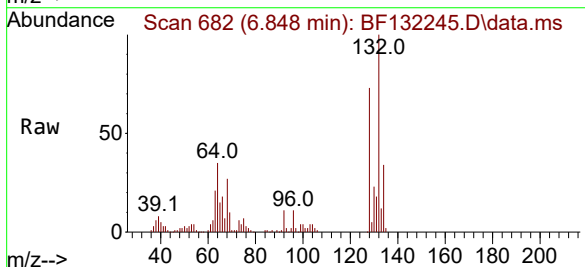
Tgt Ion:128 Resp: 51658

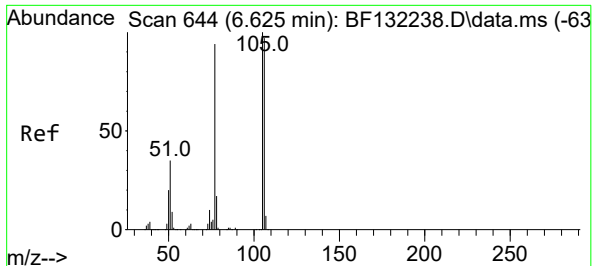
Ion Ratio Lower Upper

128 100

130 31.8 13.3 53.3

64 48.2 20.1 60.1

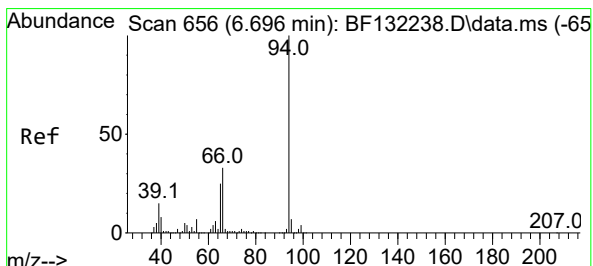
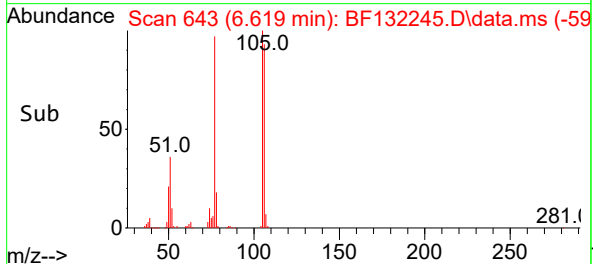
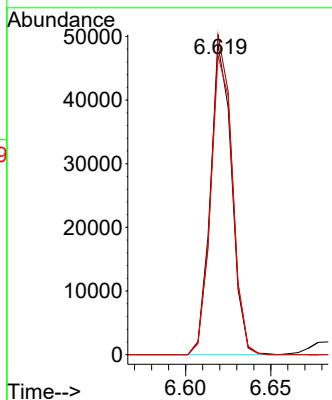
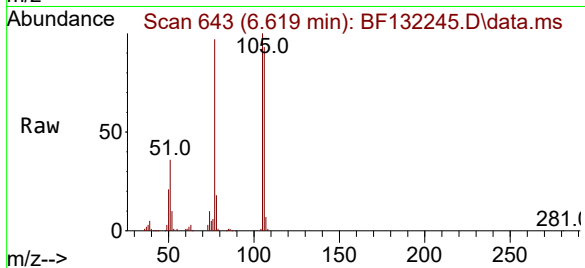




#9
Benzaldehyde
Concen: 3.937 ng
RT: 6.619 min Scan# 644
Delta R.T. -0.006 min
Lab File: BF132245.D
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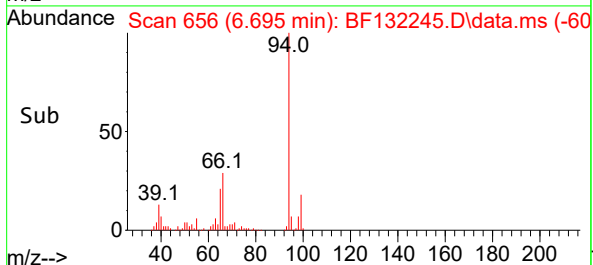
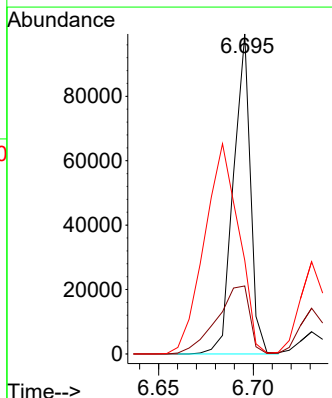
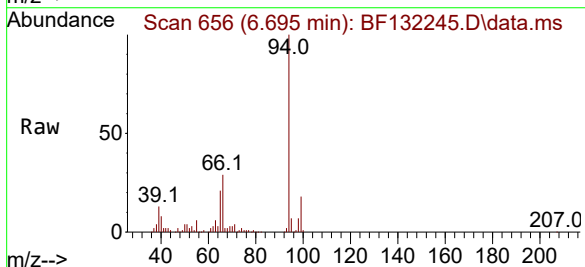
Instrument :
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ClientSampleId :
MDL-SOIL-03-QT3-2022

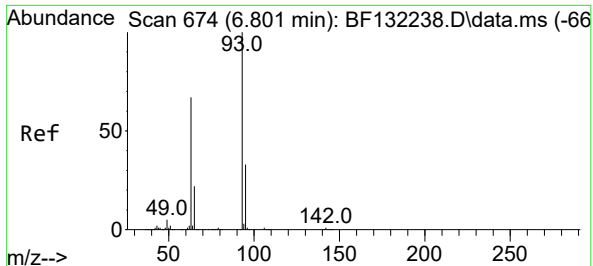
Tgt Ion: 77 Resp: 42350
Ion Ratio Lower Upper
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105 103.1 86.8 126.8
106 96.3 83.8 123.8



#10
Phenol
Concen: 4.243 ng
RT: 6.695 min Scan# 656
Delta R.T. -0.000 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

Tgt Ion: 94 Resp: 61855
Ion Ratio Lower Upper
94 100
65 21.2 5.1 45.1
66 29.3 13.0 53.0





#11

bis(2-Chloroethyl)ether

Concen: 4.158 ng

RT: 6.795 min Scan# 61

Delta R.T. -0.006 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2022

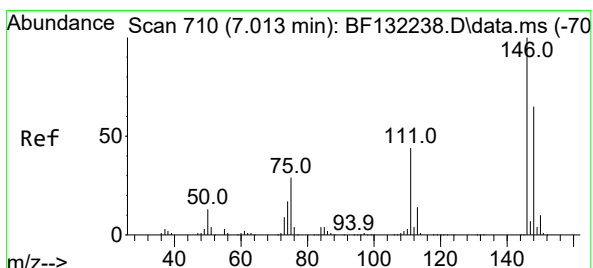
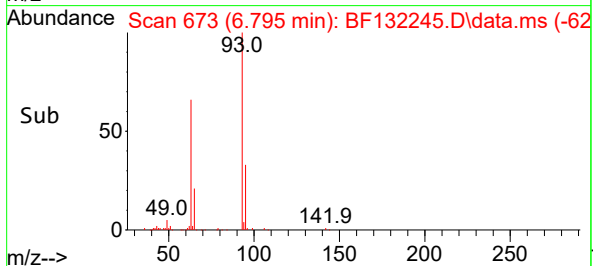
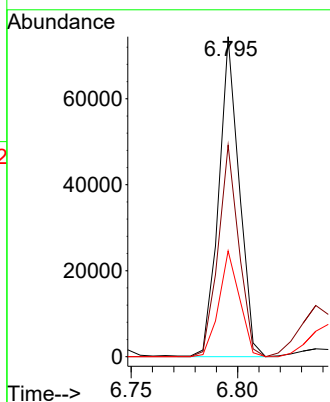
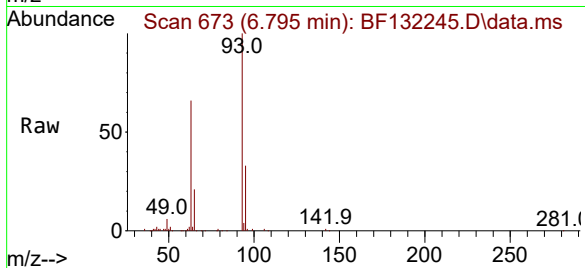
Tgt Ion: 93 Resp: 49888

Ion Ratio Lower Upper

93 100

63 66.1 46.7 86.7

95 33.1 13.4 53.4



#12

1,3-Dichlorobenzene

Concen: 4.450 ng

RT: 7.007 min Scan# 709

Delta R.T. -0.006 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

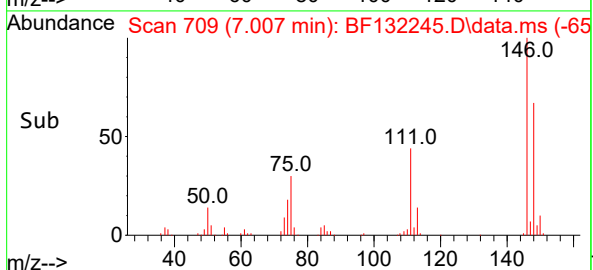
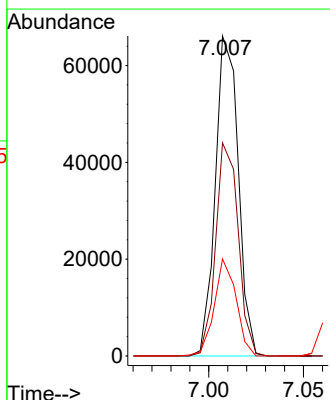
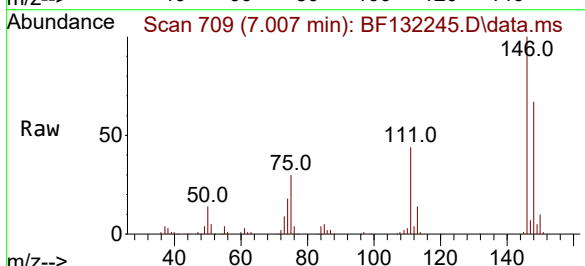
Tgt Ion:146 Resp: 55693

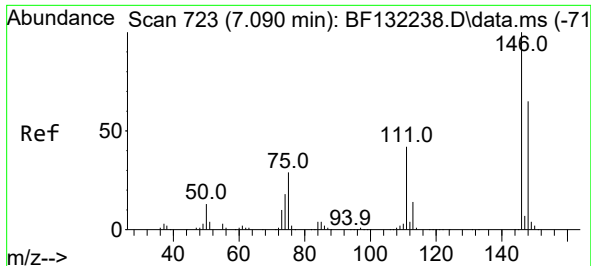
Ion Ratio Lower Upper

146 100

148 66.6 51.8 77.8

75 30.3 23.5 35.3

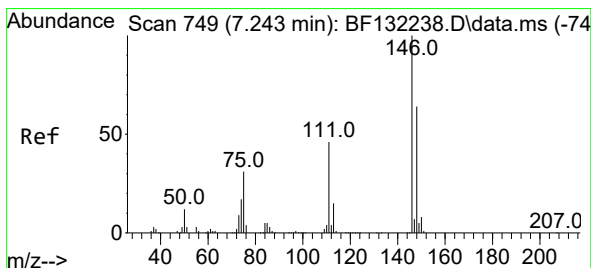
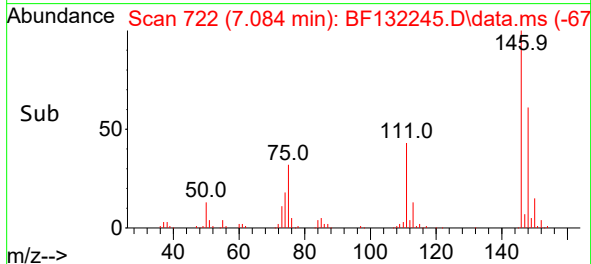
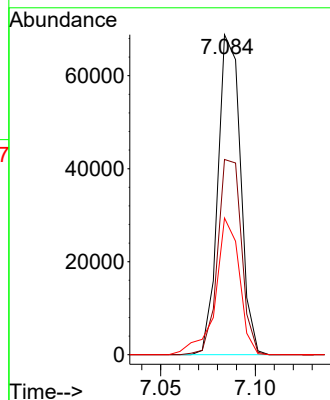
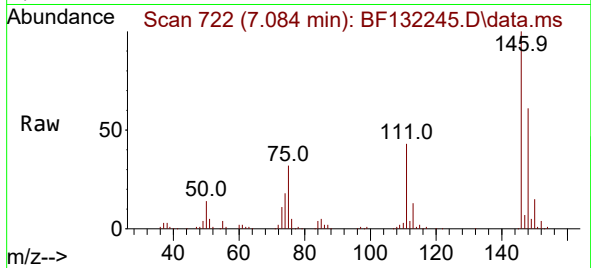




#13
1,4-Dichlorobenzene
Concen: 4.582 ng
RT: 7.084 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

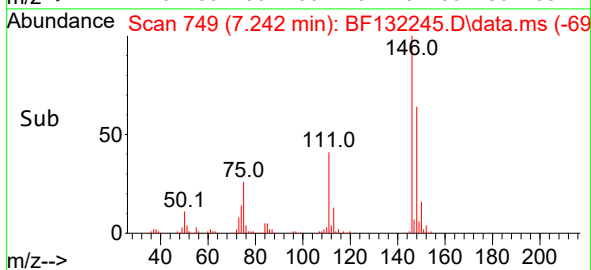
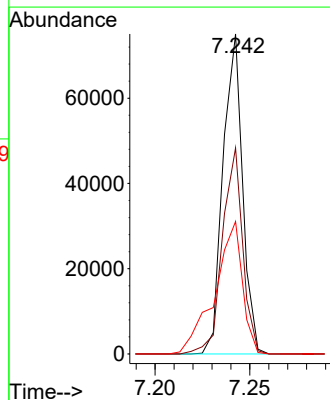
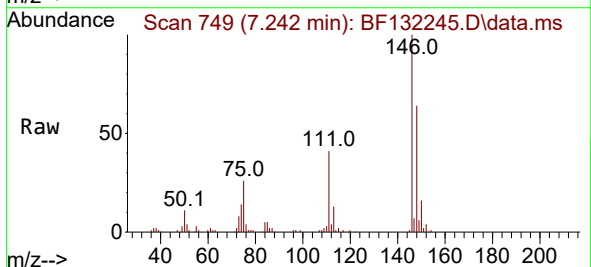
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022

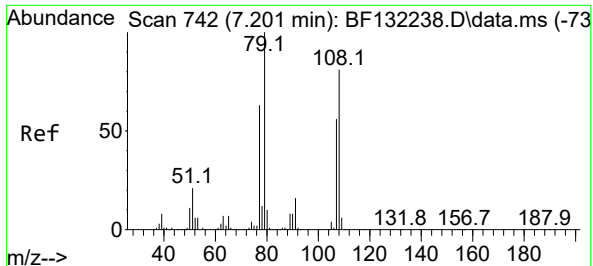
Tgt Ion:146 Resp: 57239
Ion Ratio Lower Upper
146 100
148 61.0 52.4 78.6
111 42.7 34.0 51.0



#14
1,2-Dichlorobenzene
Concen: 4.620 ng
RT: 7.242 min Scan# 749
Delta R.T. -0.000 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

Tgt Ion:146 Resp: 53825
Ion Ratio Lower Upper
146 100
148 64.4 51.4 77.0
111 41.4 37.1 55.7





#15

Benzyl Alcohol

Concen: 3.668 ng

RT: 7.195 min Scan# 741

Delta R.T. -0.006 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2022

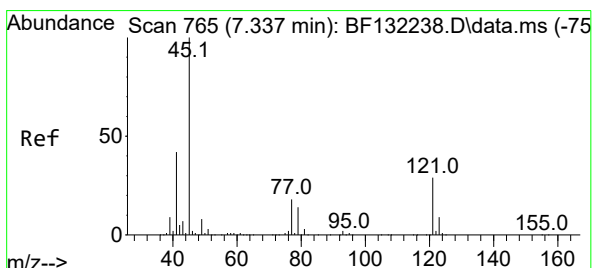
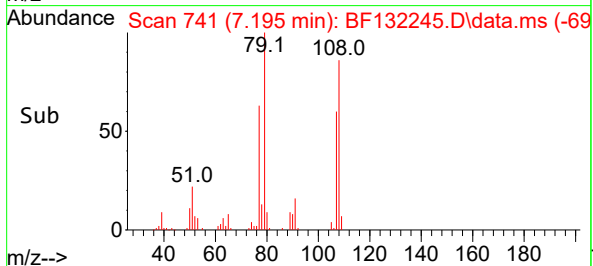
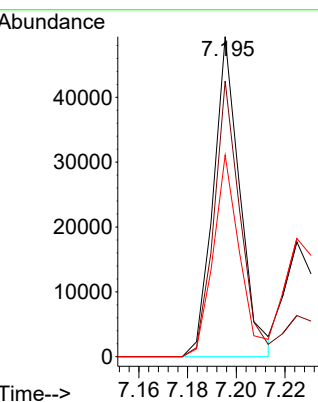
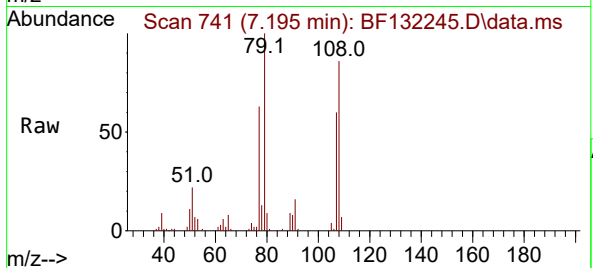
Tgt Ion: 79 Resp: 37699

Ion Ratio Lower Upper

79 100

108 86.2 64.6 97.0

77 63.0 50.1 75.1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 4.298 ng

RT: 7.337 min Scan# 765

Delta R.T. -0.000 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

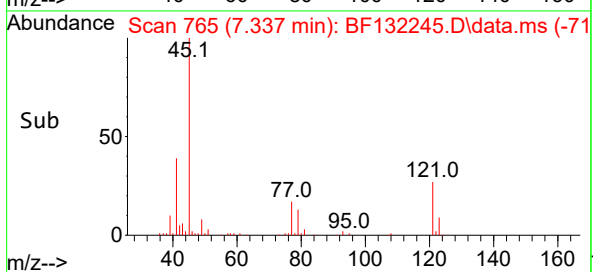
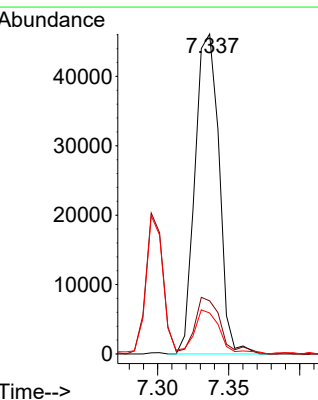
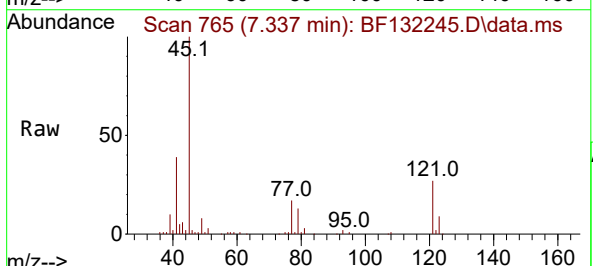
Tgt Ion: 45 Resp: 54324

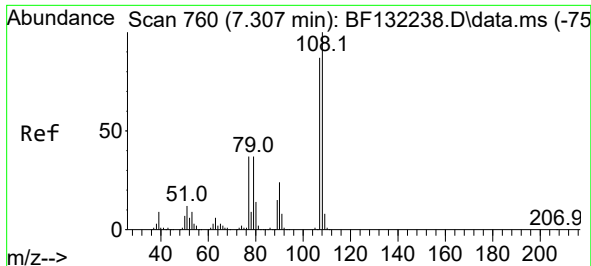
Ion Ratio Lower Upper

45 100

77 16.6 0.0 38.0

79 12.8 0.0 33.8

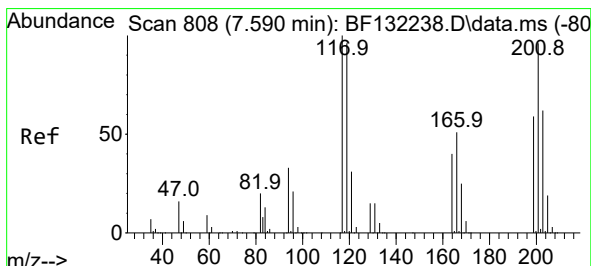
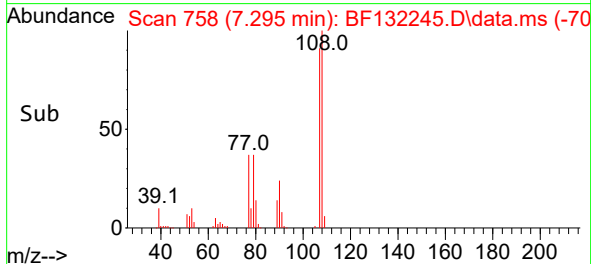
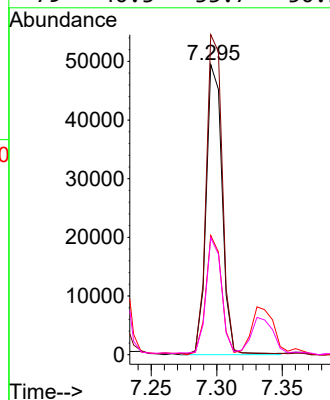
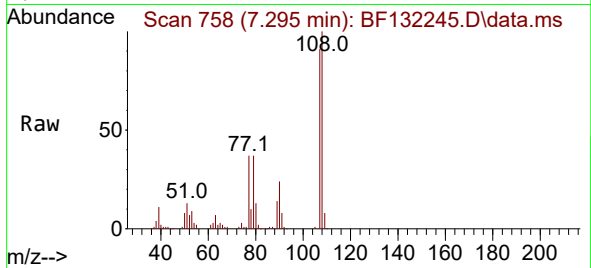




#17
2-Methylphenol
Concen: 4.053 ng
RT: 7.295 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

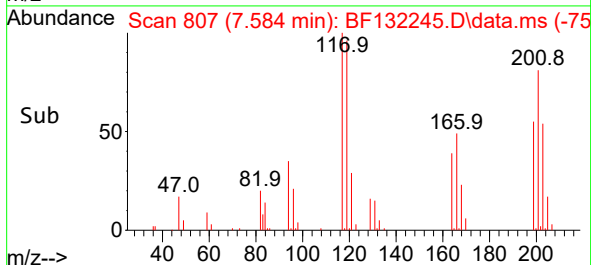
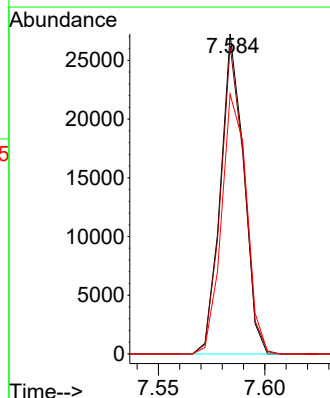
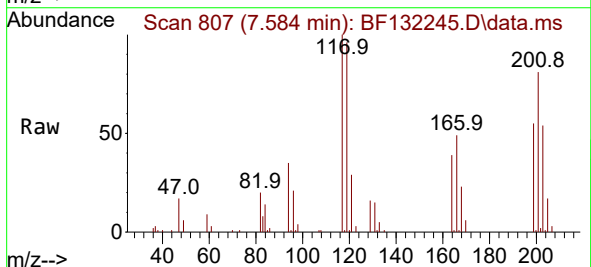
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022

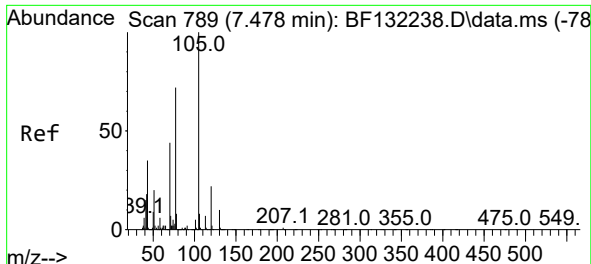
Tgt Ion:107 Resp: 41978
Ion Ratio Lower Upper
107 100
108 110.3 91.8 137.6
77 41.1 34.2 51.2
79 40.3 33.7 50.5



#18
Hexachloroethane
Concen: 4.415 ng
RT: 7.584 min Scan# 807
Delta R.T. -0.006 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

Tgt Ion:117 Resp: 20690
Ion Ratio Lower Upper
117 100
119 96.4 76.7 115.1
201 81.2 76.6 114.8





#19

n-Nitroso-di-n-propylamine

Concen: 4.293 ng

RT: 7.466 min Scan# 787

Delta R.T. -0.012 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2022

Tgt Ion: 70 Resp: 34347

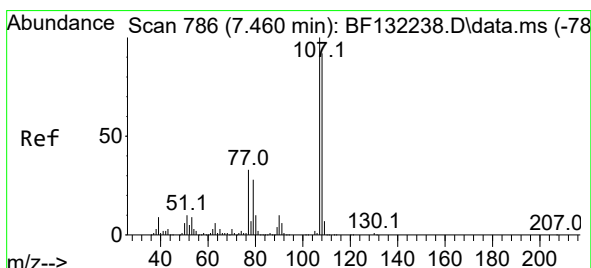
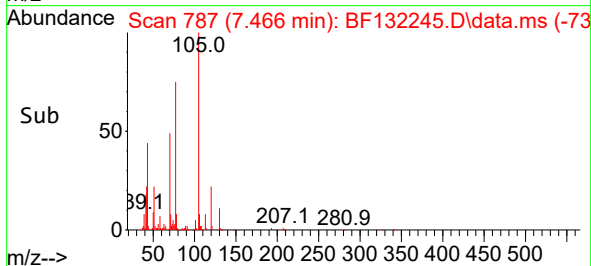
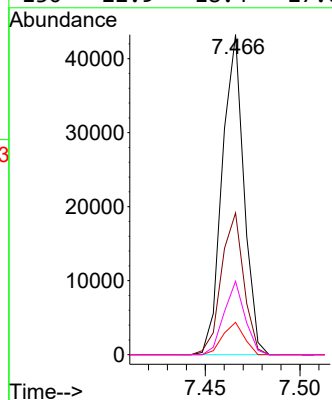
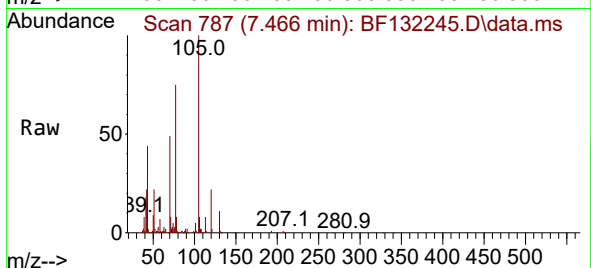
Ion Ratio Lower Upper

70 100

42 44.3 33.4 50.0

101 10.1 8.2 12.4

130 22.9 18.4 27.6



#20

3+4-Methylphenols

Concen: 4.003 ng

RT: 7.448 min Scan# 784

Delta R.T. -0.012 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

Tgt Ion: 107 Resp: 52917

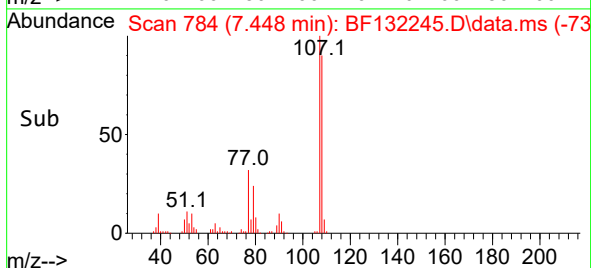
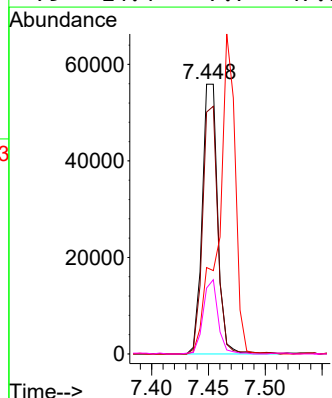
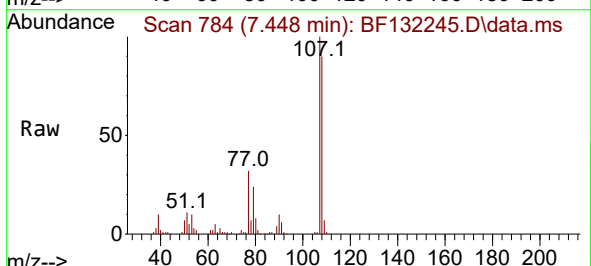
Ion Ratio Lower Upper

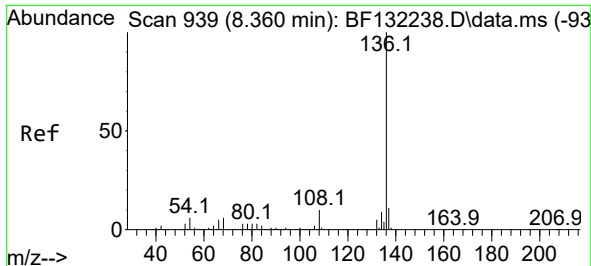
107 100

108 89.7 71.6 111.6

77 32.0 13.4 53.4

79 24.4 7.7 47.7



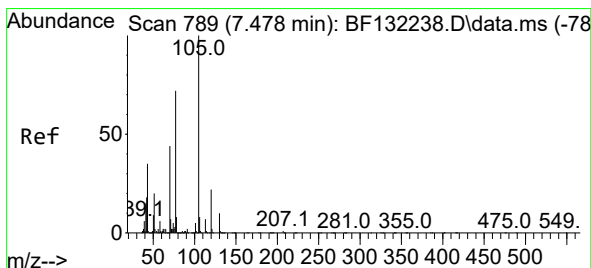
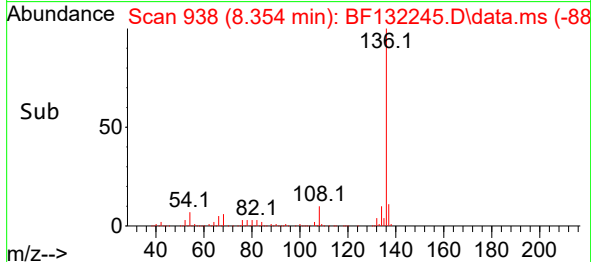
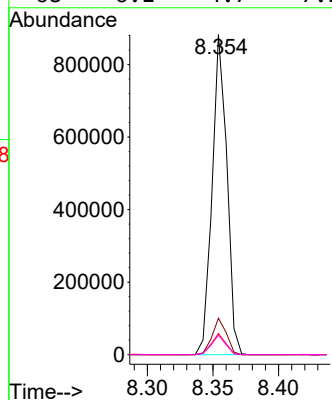
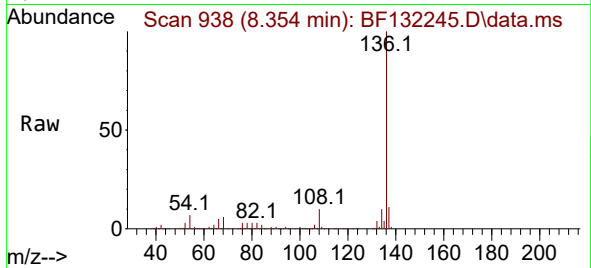


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.354 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022

Tgt Ion:136 Resp: 689683

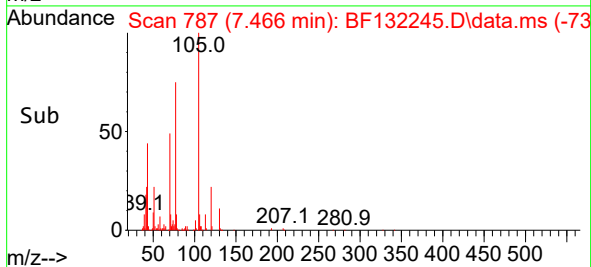
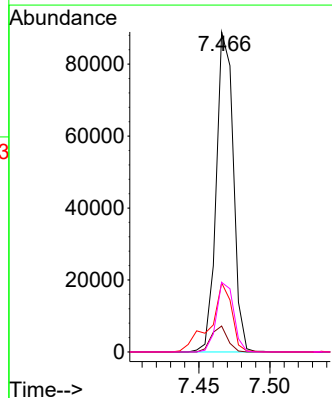
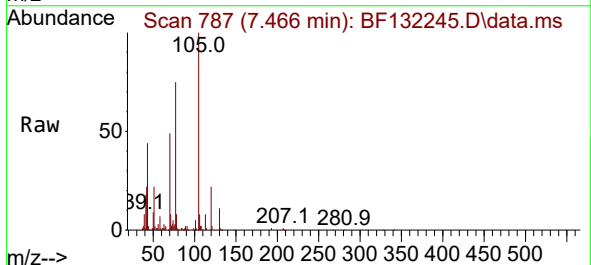
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	6.6	4.9	7.3
68	6.1	4.7	7.1

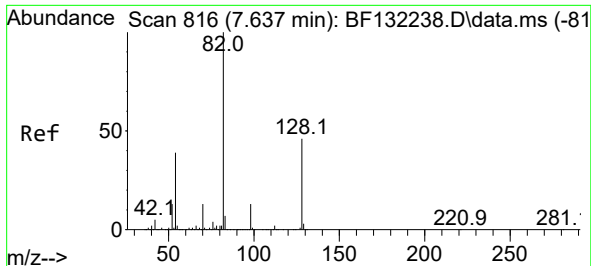


#22
Acetophenone
Concen: 4.574 ng
RT: 7.466 min Scan# 787
Delta R.T. -0.012 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

Tgt Ion:105 Resp: 74190

Ion	Ratio	Lower	Upper
105	100		
71	8.1	5.8	8.6
51	21.6	16.2	24.2
120	21.7	18.0	27.0

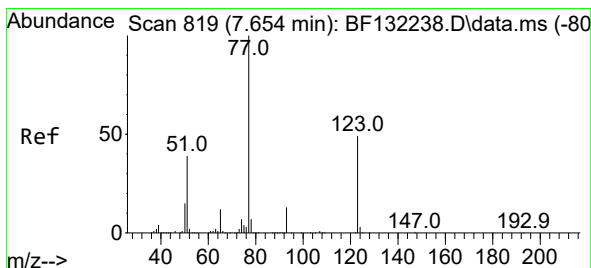
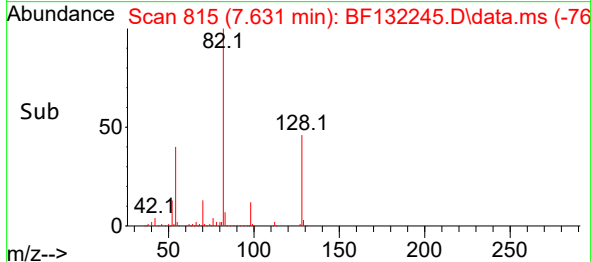
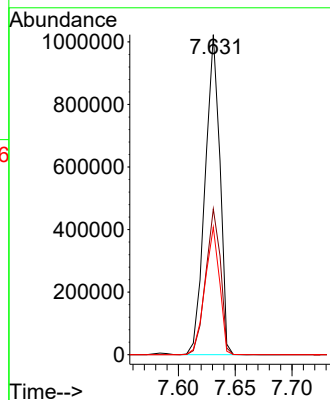
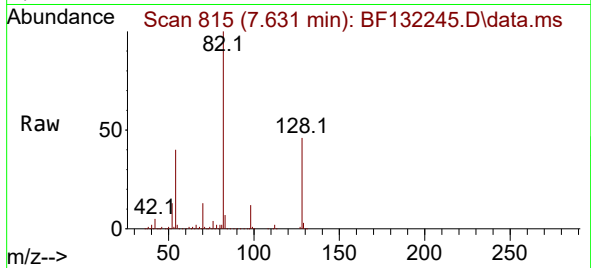




#23
Nitrobenzene-d5
Concen: 74.396 ng
RT: 7.631 min Scan# 815
Delta R.T. -0.006 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

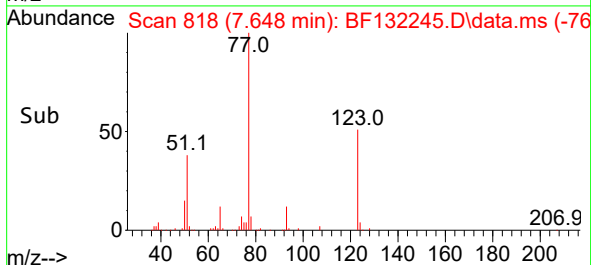
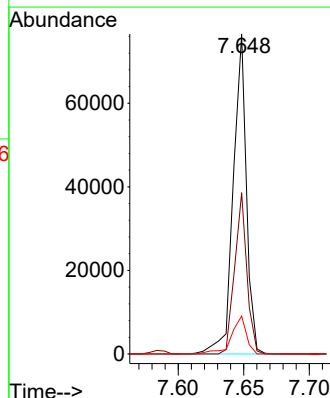
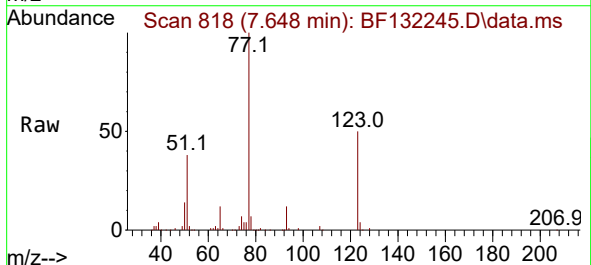
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022

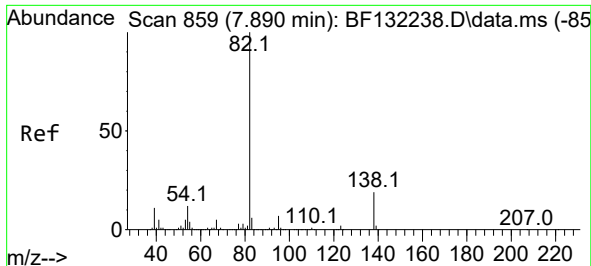
Tgt Ion: 82 Resp: 922051
Ion Ratio Lower Upper
82 100
128 45.6 37.0 55.4
54 39.9 31.5 47.3



#24
Nitrobenzene
Concen: 4.230 ng
RT: 7.648 min Scan# 818
Delta R.T. -0.006 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

Tgt Ion: 77 Resp: 53563
Ion Ratio Lower Upper
77 100
123 50.4 39.5 59.3
65 11.8 9.8 14.8

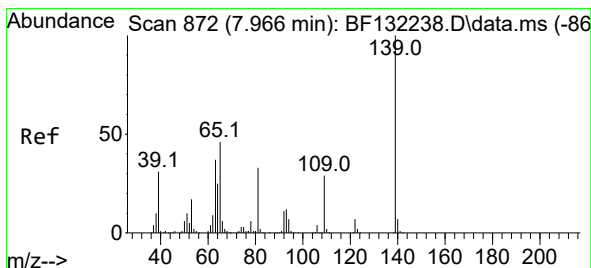
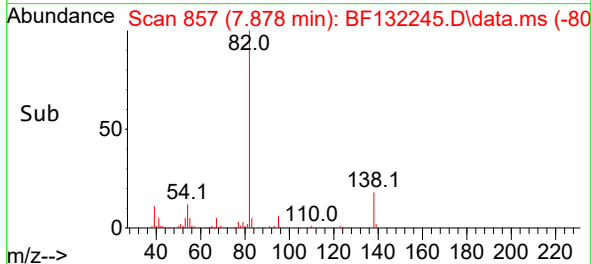
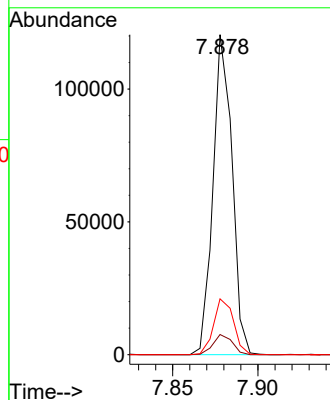
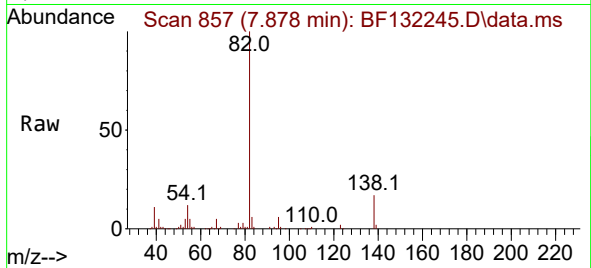




#25
Isophorone
Concen: 3.983 ng
RT: 7.878 min Scan# 857
Delta R.T. -0.012 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

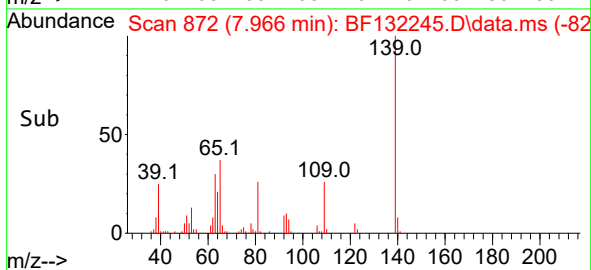
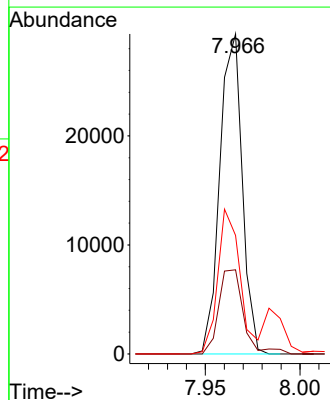
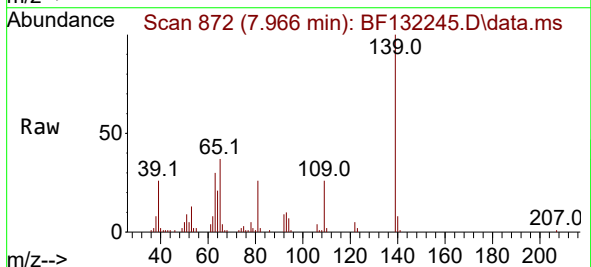
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT3-2022

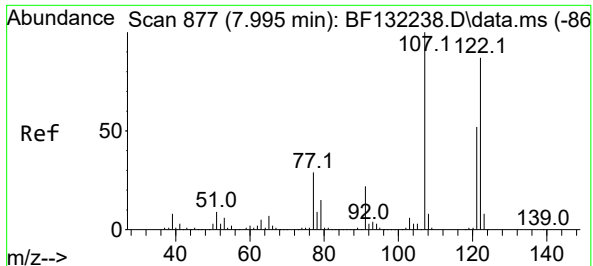
Tgt Ion: 82 Resp: 93686
Ion Ratio Lower Upper
82 100
95 6.3 5.6 8.4
138 17.4 15.0 22.6



#26
2-Nitrophenol
Concen: 3.918 ng
RT: 7.966 min Scan# 872
Delta R.T. -0.000 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

Tgt Ion: 139 Resp: 24163
Ion Ratio Lower Upper
139 100
109 26.3 23.0 34.6
65 37.0 36.6 55.0





#27

2,4-Dimethylphenol

Concen: 3.873 ng

RT: 7.984 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2022

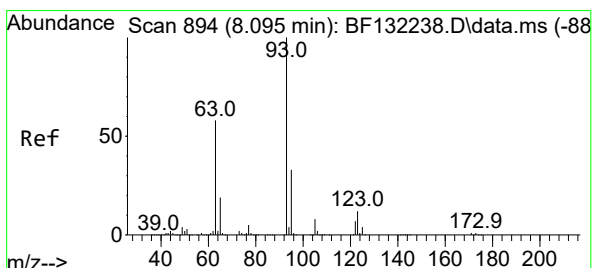
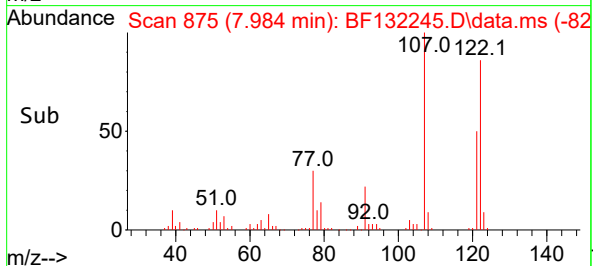
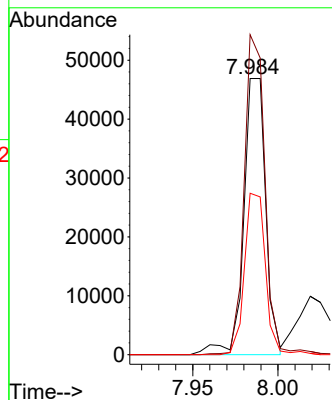
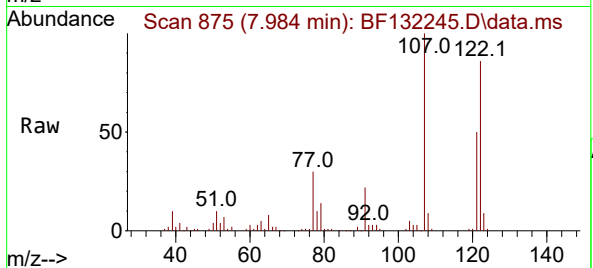
Tgt Ion:122 Resp: 41806

Ion Ratio Lower Upper

122 100

107 115.8 91.9 137.9

121 58.4 47.8 71.8



#28

bis(2-Chloroethoxy)methane

Concen: 4.245 ng

RT: 8.089 min Scan# 893

Delta R.T. -0.006 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

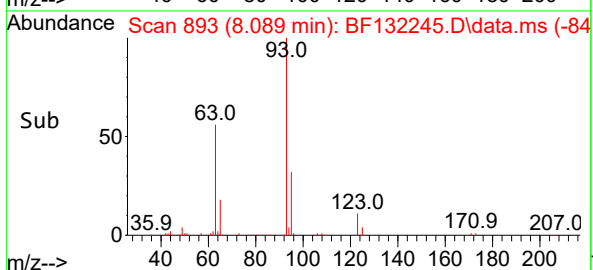
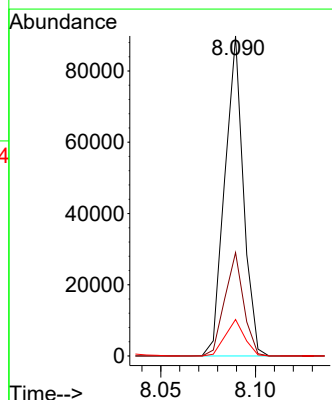
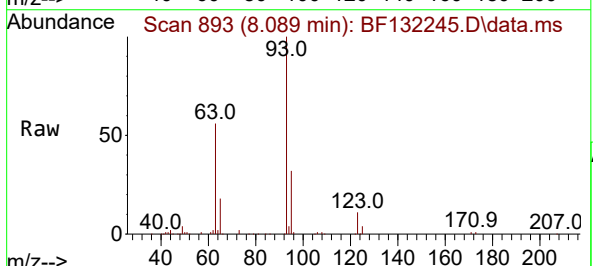
Tgt Ion: 93 Resp: 61361

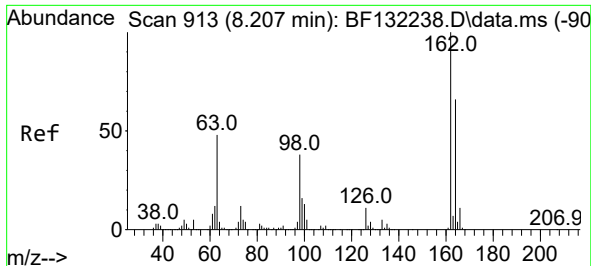
Ion Ratio Lower Upper

93 100

95 32.3 26.6 40.0

123 11.4 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 4.069 ng

RT: 8.201 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2022

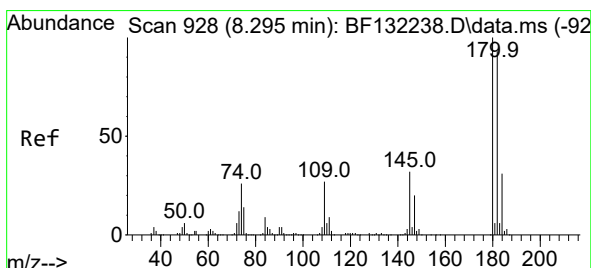
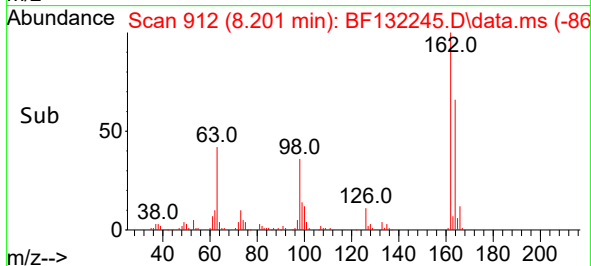
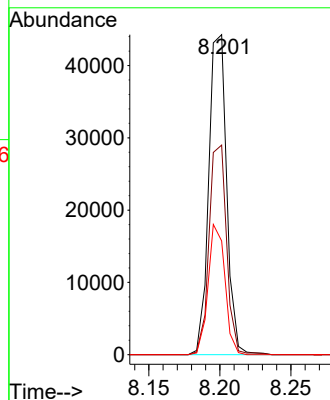
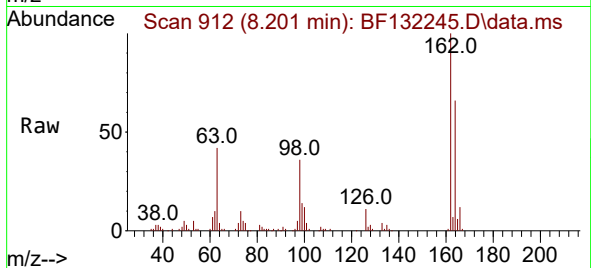
Tgt Ion:162 Resp: 38999

Ion Ratio Lower Upper

162 100

164 65.5 46.4 86.4

98 35.6 17.8 57.8



#30

1,2,4-Trichlorobenzene

Concen: 4.304 ng

RT: 8.289 min Scan# 927

Delta R.T. -0.006 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

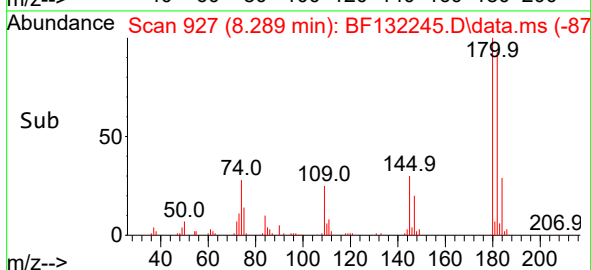
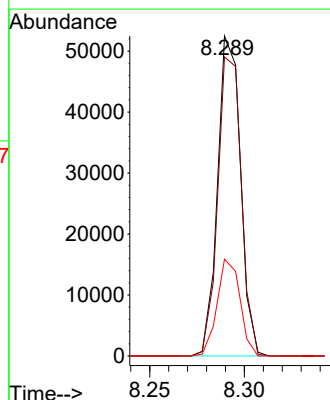
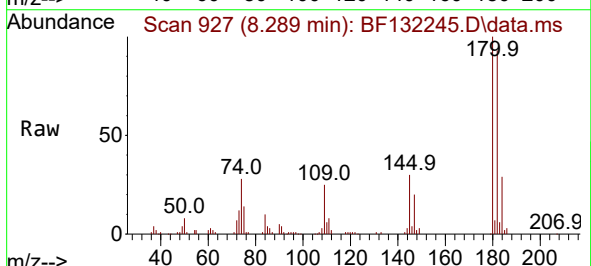
Tgt Ion:180 Resp: 44171

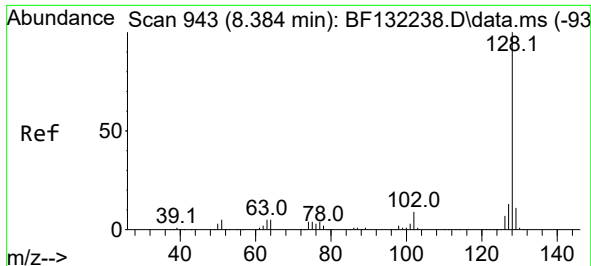
Ion Ratio Lower Upper

180 100

182 93.5 74.6 112.0

145 30.2 25.3 37.9

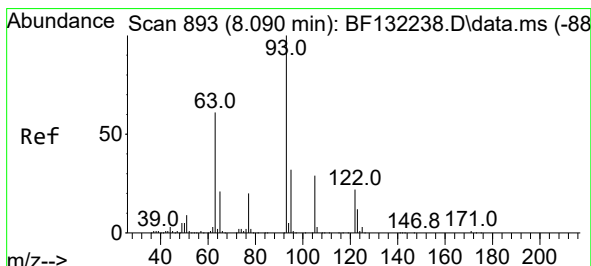
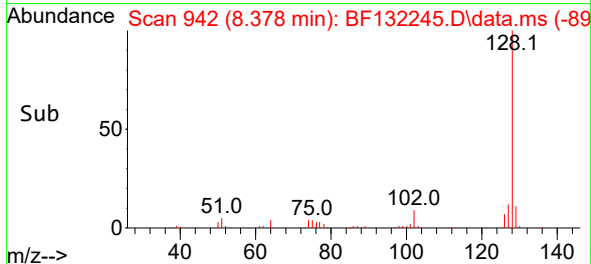
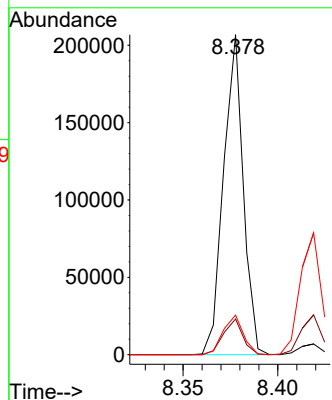
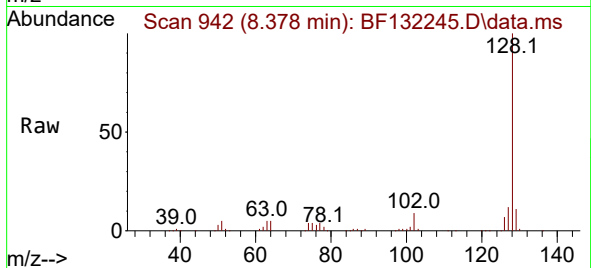




#31
Naphthalene
Concen: 4.419 ng
RT: 8.378 min Scan# 943
Delta R.T. -0.006 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

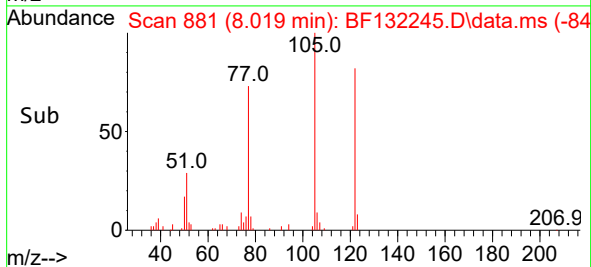
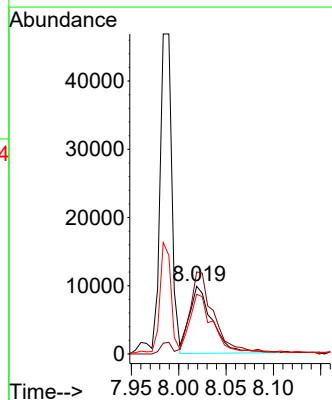
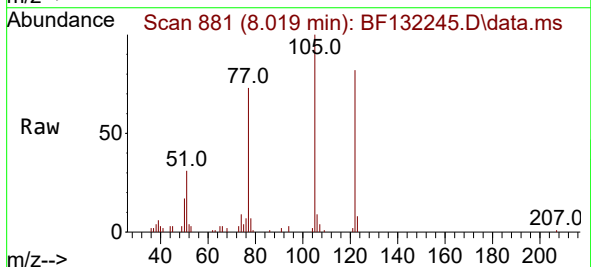
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022

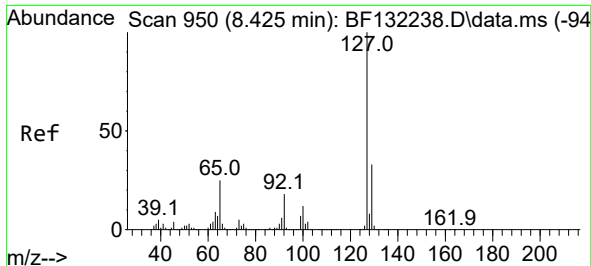
Tgt Ion:128 Resp: 150006
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.4
127 12.3 10.5 15.7



#32
Benzoic acid
Concen: 2.081 ng
RT: 8.019 min Scan# 881
Delta R.T. -0.071 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

Tgt Ion:122 Resp: 16625
Ion Ratio Lower Upper
122 100
105 121.4 106.3 146.3
77 88.4 70.6 110.6

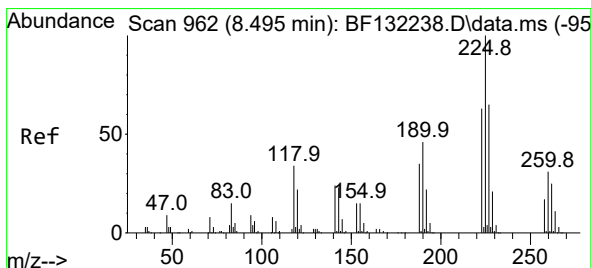
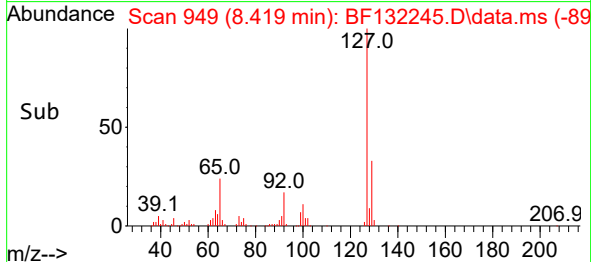
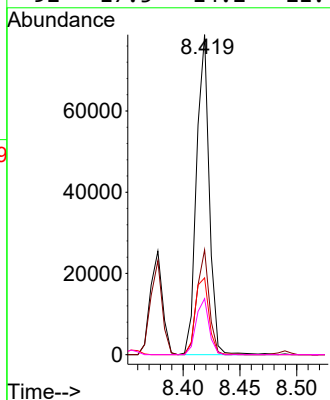
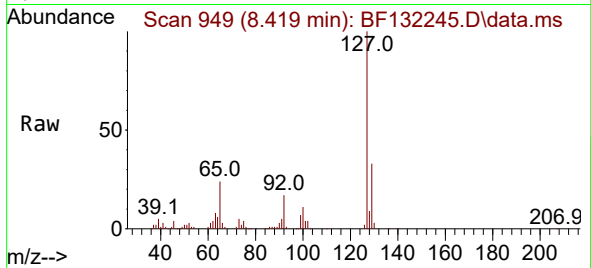




#33
4-Chloroaniline
Concen: 4.088 ng
RT: 8.419 min Scan# 941
Delta R.T. -0.006 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

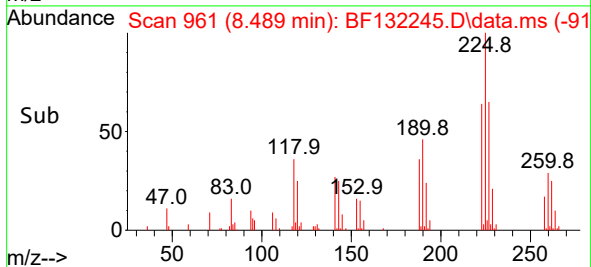
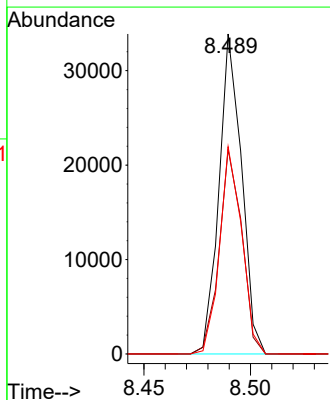
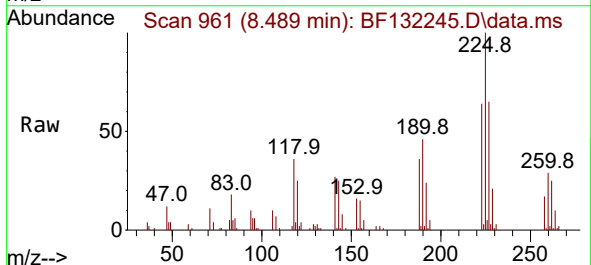
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022

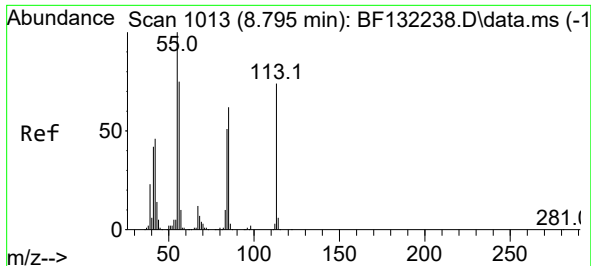
Tgt Ion:	127	Resp:	61535
Ion Ratio	Lower	Upper	
127	100		
129	32.7	26.6	39.8
65	24.0	20.2	30.2
92	17.5	14.2	21.4



#34
Hexachlorobutadiene
Concen: 4.327 ng
RT: 8.489 min Scan# 961
Delta R.T. -0.006 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

Tgt Ion:	225	Resp:	24966
Ion Ratio	Lower	Upper	
225	100		
223	63.9	50.6	75.8
227	64.7	51.7	77.5

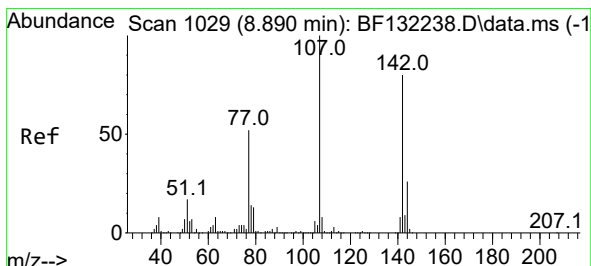
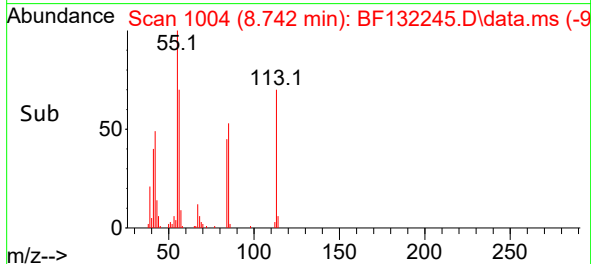
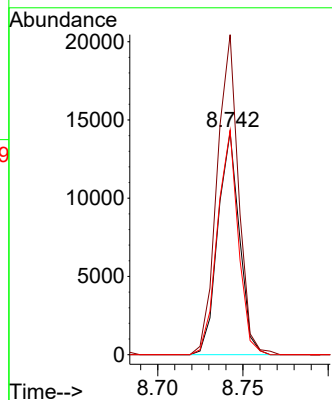
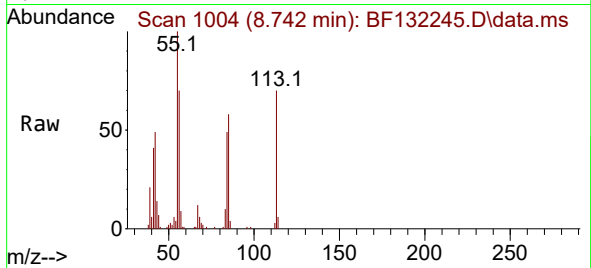




#35
Caprolactam
Concen: 3.824 ng
RT: 8.742 min Scan# 1004
Delta R.T. -0.053 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

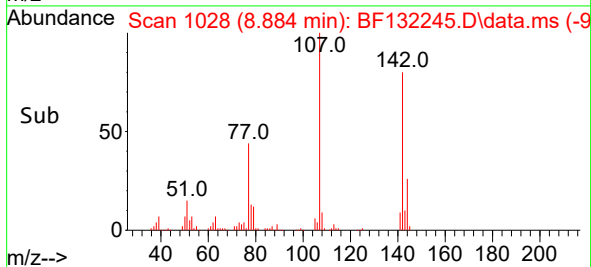
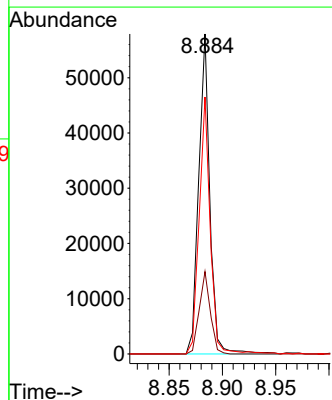
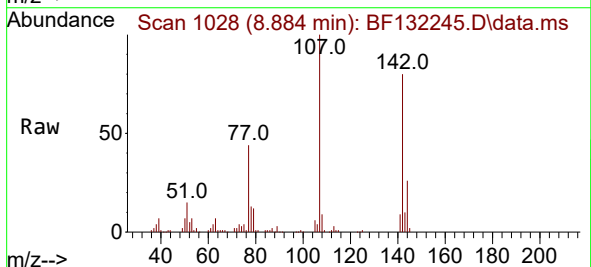
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022

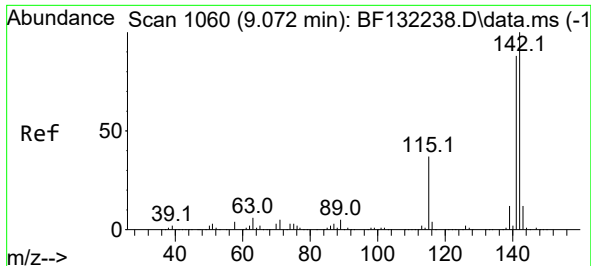
Tgt Ion:113 Resp: 12493
Ion Ratio Lower Upper
113 100
55 143.8 114.7 154.7
56 100.8 81.1 121.1



#36
4-Chloro-3-methylphenol
Concen: 4.101 ng
RT: 8.884 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

Tgt Ion:107 Resp: 42347
Ion Ratio Lower Upper
107 100
144 25.8 20.5 30.7
142 80.3 63.6 95.4

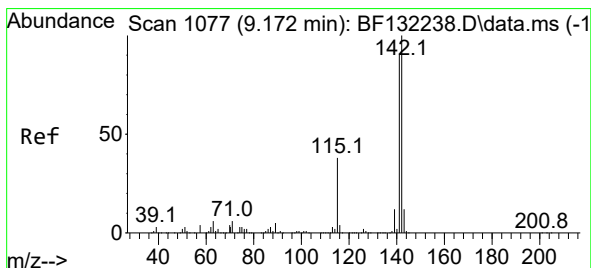
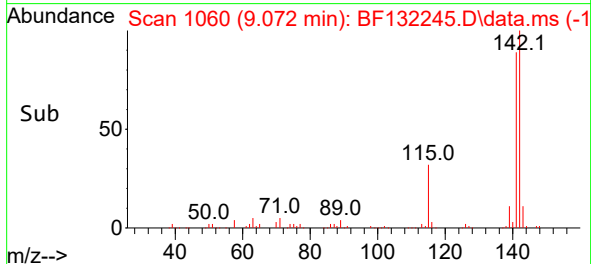
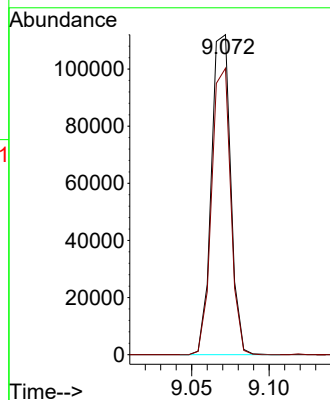
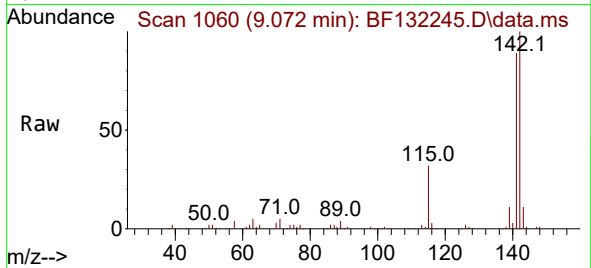




#37
2-Methylnaphthalene
Concen: 4.227 ng
RT: 9.072 min Scan# 1060
Delta R.T. -0.000 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

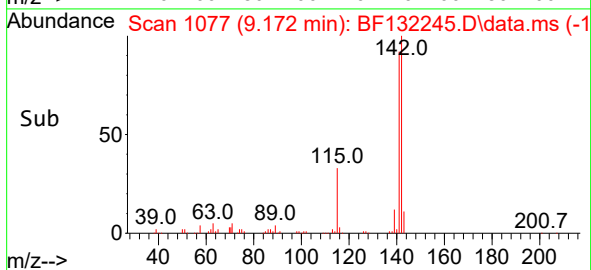
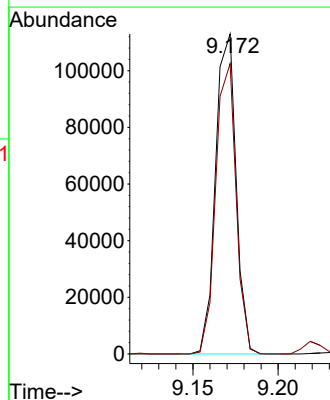
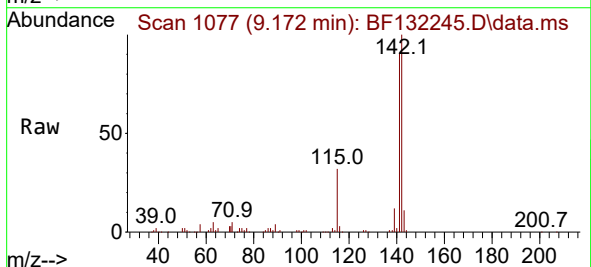
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022

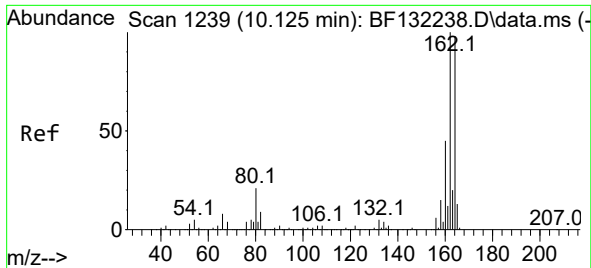
Tgt Ion:142 Resp: 97205
Ion Ratio Lower Upper
142 100
141 89.5 70.1 105.1



#38
1-Methylnaphthalene
Concen: 4.420 ng
RT: 9.172 min Scan# 1077
Delta R.T. -0.000 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

Tgt Ion:142 Resp: 94452
Ion Ratio Lower Upper
142 100
141 90.8 72.6 108.8

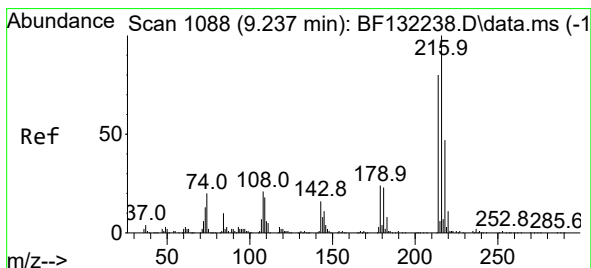
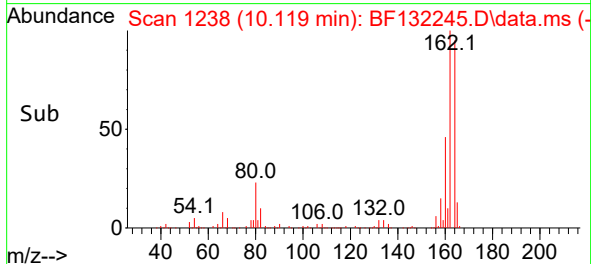
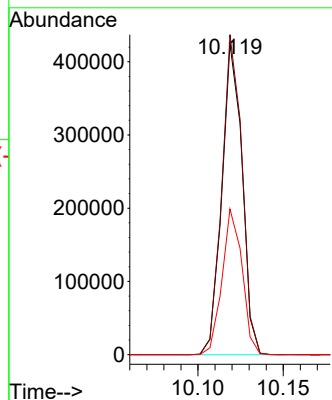
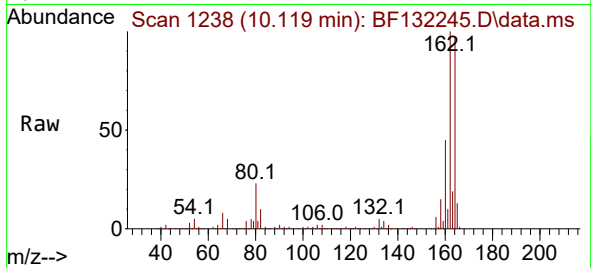




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.119 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

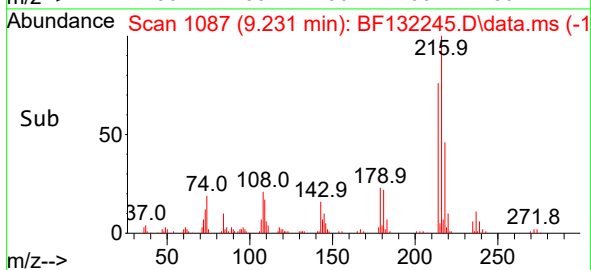
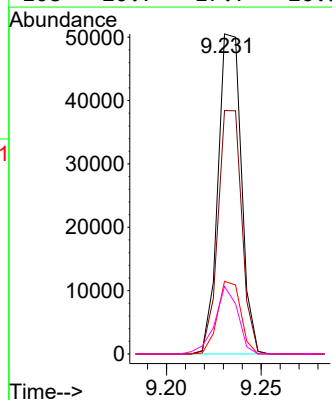
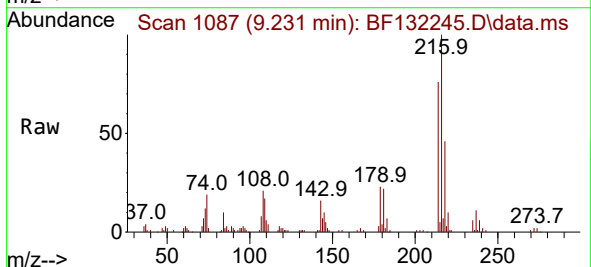
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022

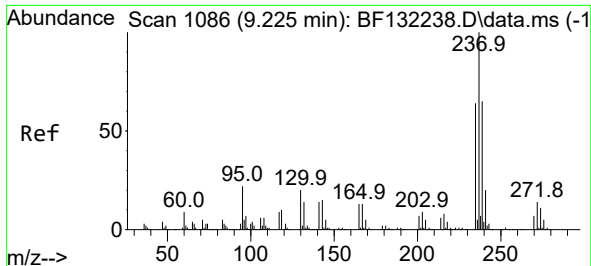
Tgt Ion:164 Resp: 349422
Ion Ratio Lower Upper
164 100
162 102.9 82.0 123.0
160 46.8 37.1 55.7



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.402 ng
RT: 9.231 min Scan# 1087
Delta R.T. -0.006 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

Tgt Ion:216 Resp: 43286
Ion Ratio Lower Upper
216 100
214 77.3 63.6 95.4
179 22.6 18.3 27.5
108 20.7 17.7 26.5

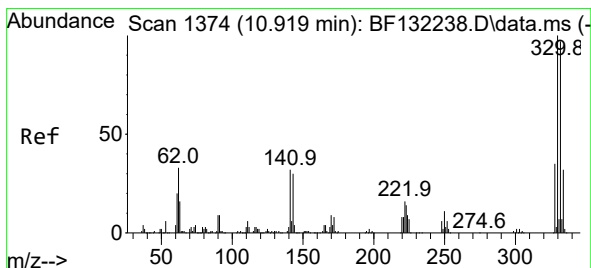
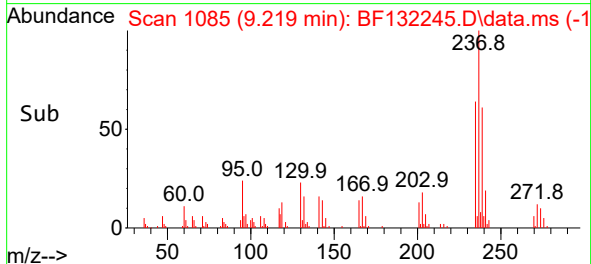
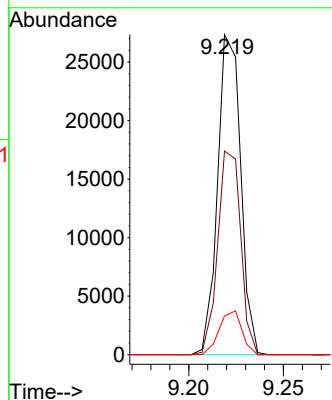
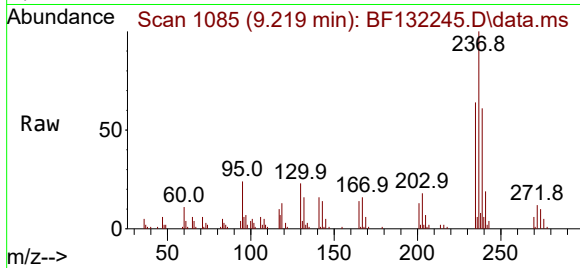




#41
Hexachlorocyclopentadiene
Concen: 4.047 ng
RT: 9.219 min Scan# 1085
Delta R.T. -0.006 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

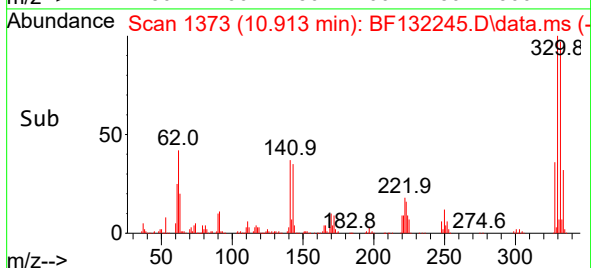
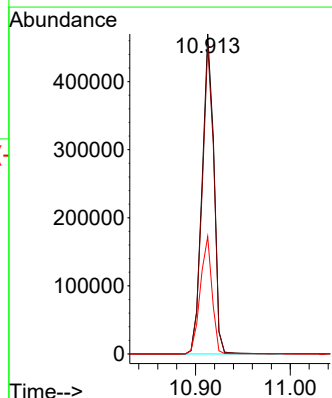
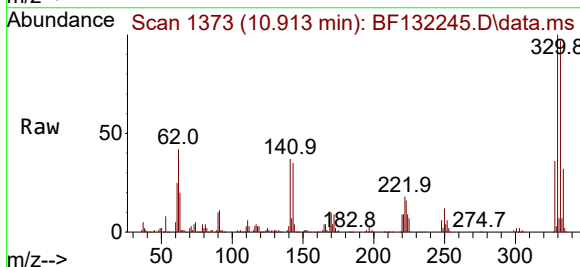
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022

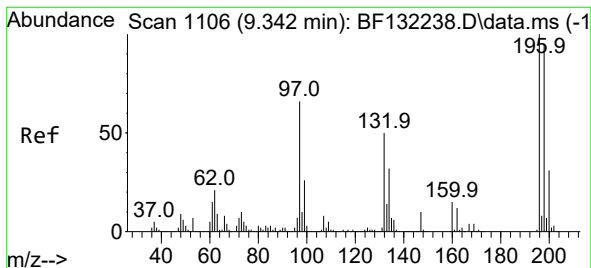
Tgt Ion:237 Resp: 23220
Ion Ratio Lower Upper
237 100
235 63.7 43.5 83.5
272 12.1 0.0 33.6



#42
2,4,6-Tribromophenol
Concen: 112.977 ng
RT: 10.913 min Scan# 1373
Delta R.T. -0.006 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

Tgt Ion:330 Resp: 405963
Ion Ratio Lower Upper
330 100
332 96.3 77.9 116.9
141 36.7 31.0 46.4





#43

2,4,6-Trichlorophenol

Concen: 3.958 ng

RT: 9.342 min Scan# 1106

Delta R.T. -0.000 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2022

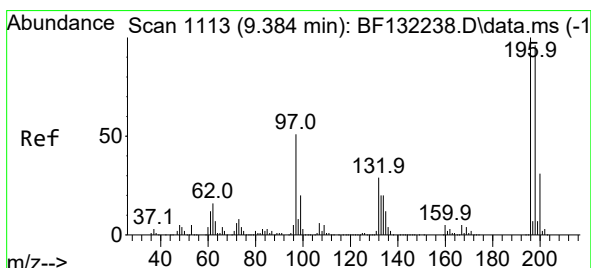
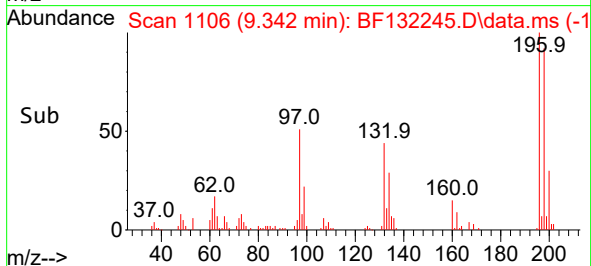
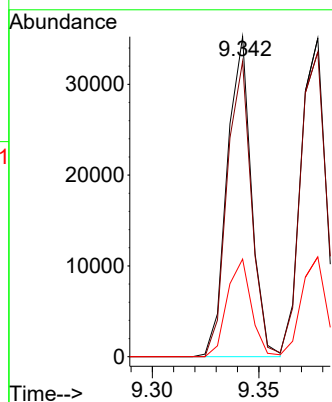
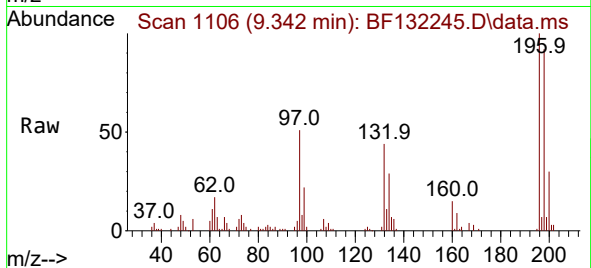
Tgt Ion:196 Resp: 27822

Ion Ratio Lower Upper

196 100

198 92.2 75.9 113.9

200 30.5 24.7 37.1



#44

2,4,5-Trichlorophenol

Concen: 3.571 ng

RT: 9.378 min Scan# 1112

Delta R.T. -0.006 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

Tgt Ion:196 Resp: 28889

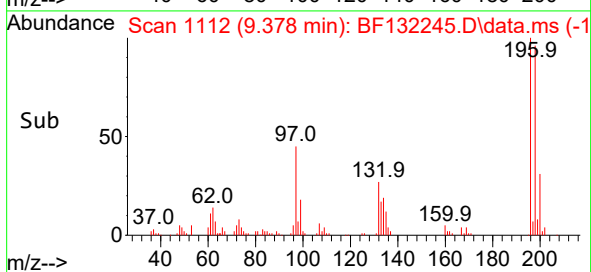
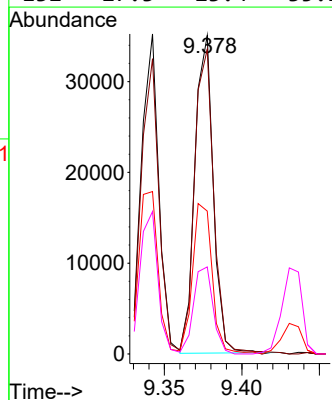
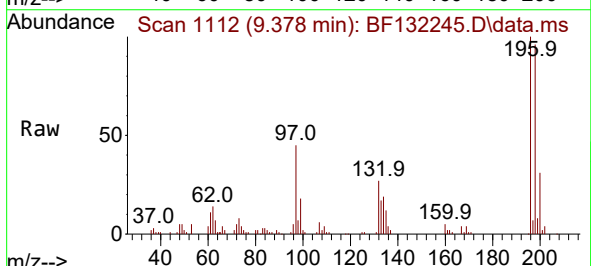
Ion Ratio Lower Upper

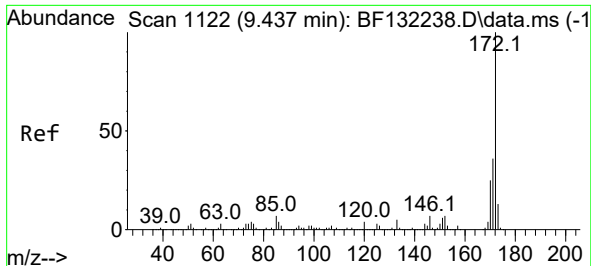
196 100

198 95.7 77.0 115.4

97 44.9 41.2 61.8

132 27.3 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 68.603 ng

RT: 9.436 min Scan# 1122

Delta R.T. -0.001 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2022

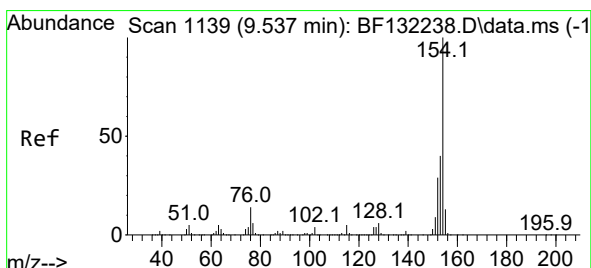
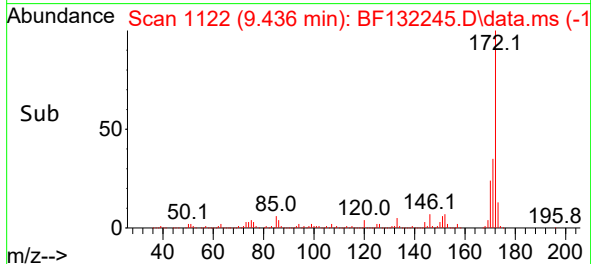
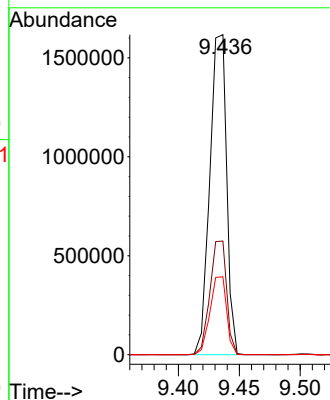
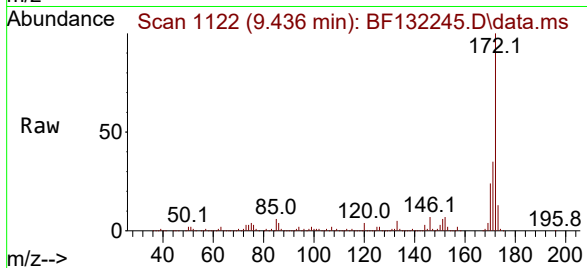
Tgt Ion:172 Resp: 1552310

Ion Ratio Lower Upper

172 100

171 35.5 28.6 43.0

170 24.4 19.7 29.5



#46

1,1'-Biphenyl

Concen: 4.485 ng

RT: 9.531 min Scan# 1138

Delta R.T. -0.006 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

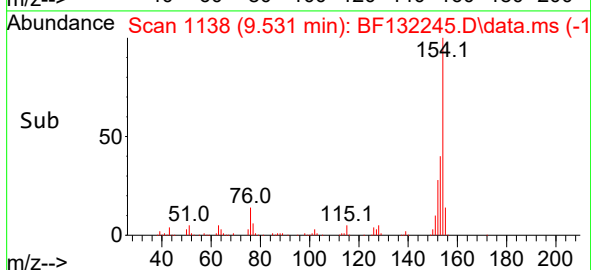
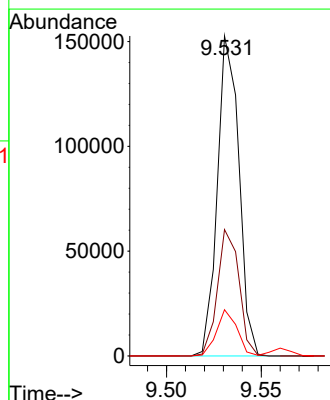
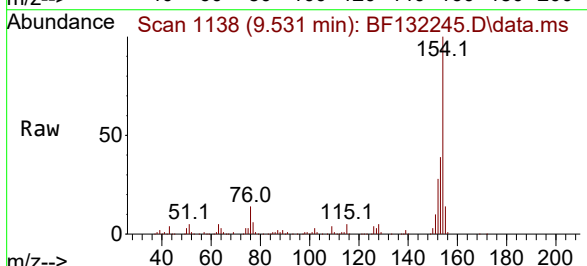
Tgt Ion:154 Resp: 120832

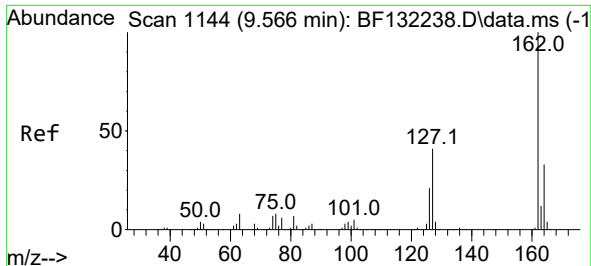
Ion Ratio Lower Upper

154 100

153 39.5 19.9 59.9

76 14.5 0.0 34.0





#47

2-Chloronaphthalene

Concen: 4.436 ng

RT: 9.560 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2022

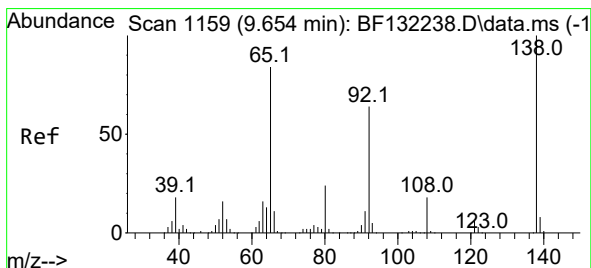
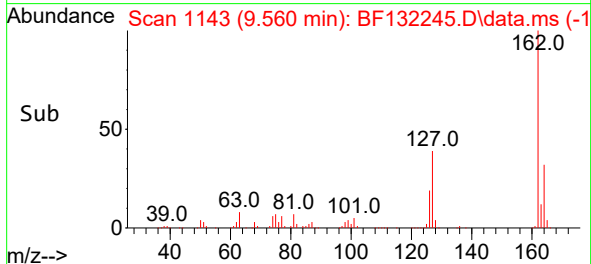
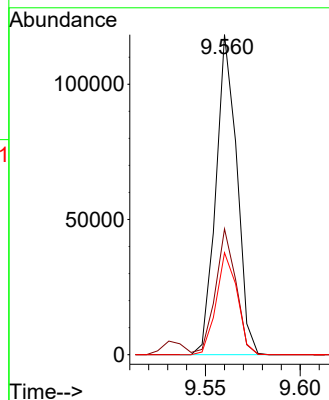
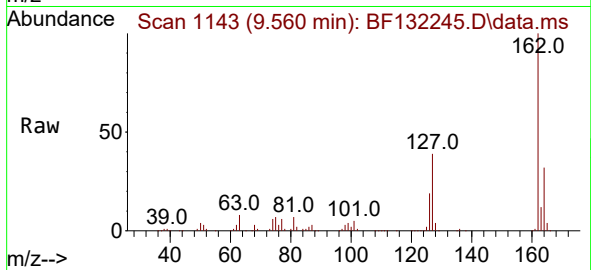
Tgt Ion:162 Resp: 91023

Ion Ratio Lower Upper

162 100

127 39.3 33.3 49.9

164 31.8 26.8 40.2



#48

2-Nitroaniline

Concen: 3.626 ng

RT: 9.648 min Scan# 1158

Delta R.T. -0.006 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

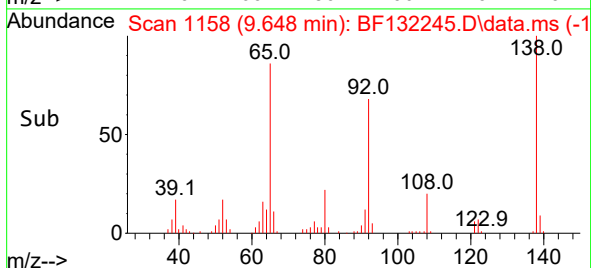
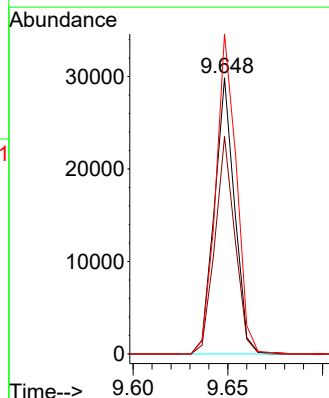
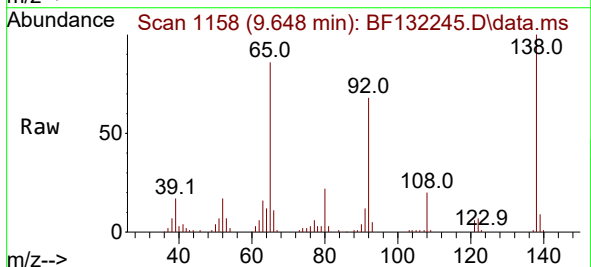
Tgt Ion: 65 Resp: 22126

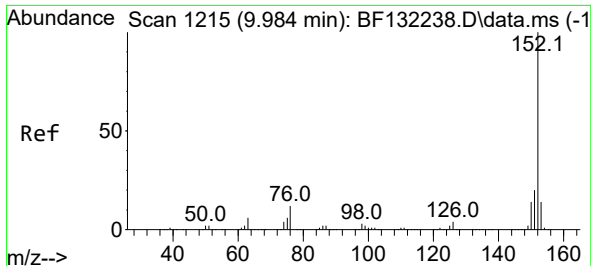
Ion Ratio Lower Upper

65 100

92 78.7 61.0 91.4

138 115.9 95.0 142.4





#49

Acenaphthylene

Concen: 4.225 ng

RT: 9.978 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2022

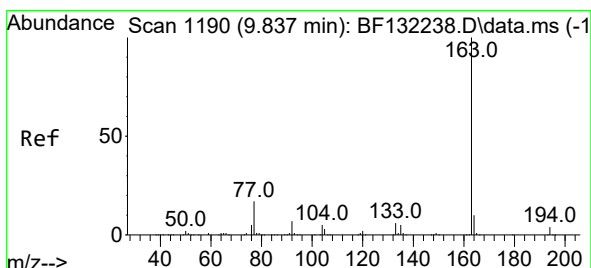
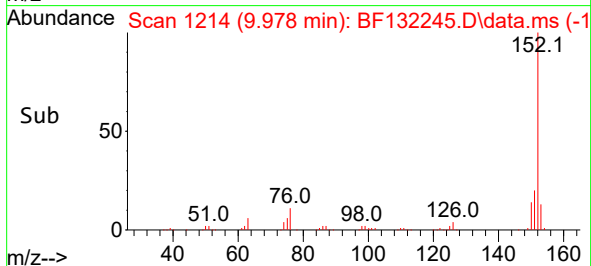
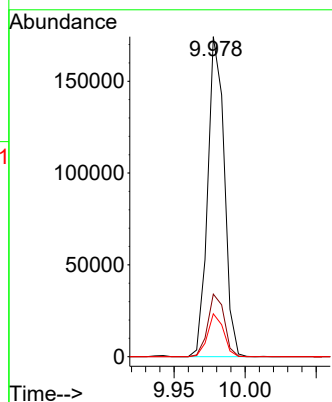
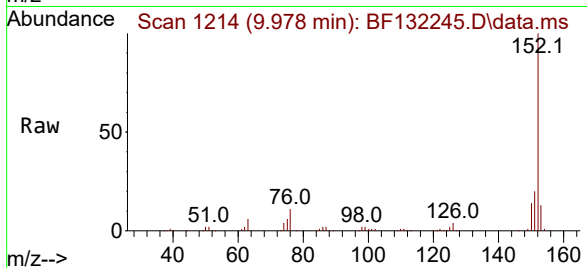
Tgt Ion:152 Resp: 141468

Ion Ratio Lower Upper

152 100

151 19.6 15.9 23.9

153 13.4 10.9 16.3



#50

Dimethylphthalate

Concen: 4.144 ng

RT: 9.825 min Scan# 1188

Delta R.T. -0.012 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

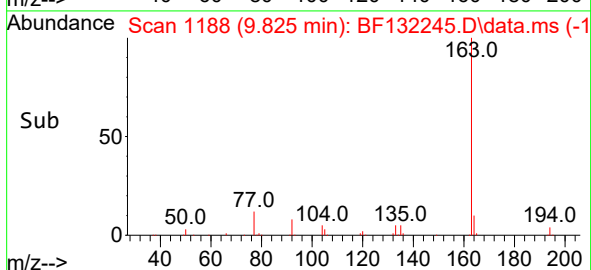
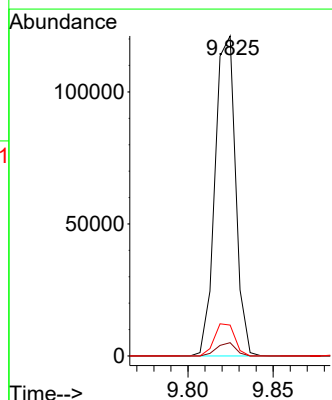
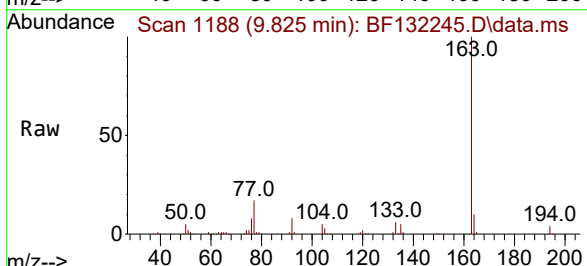
Tgt Ion:163 Resp: 101292

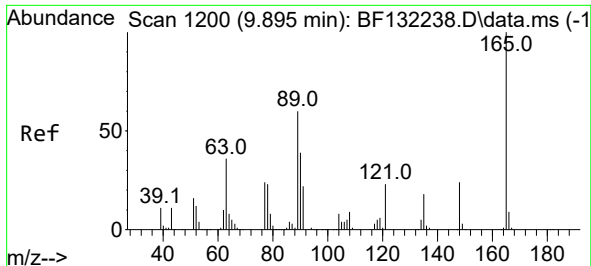
Ion Ratio Lower Upper

163 100

194 4.2 3.0 4.4

164 9.7 7.9 11.9

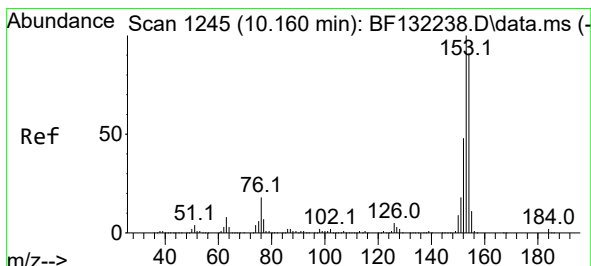
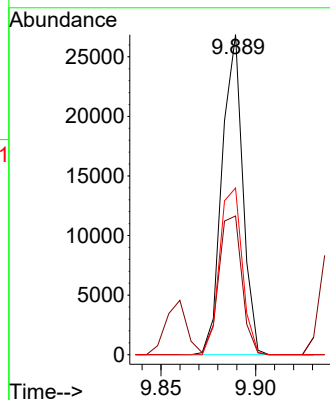
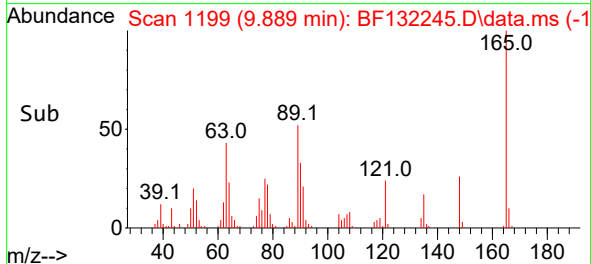
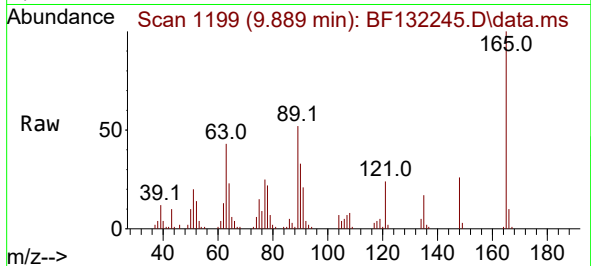




#51
2,6-Dinitrotoluene
Concen: 3.739 ng
RT: 9.889 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

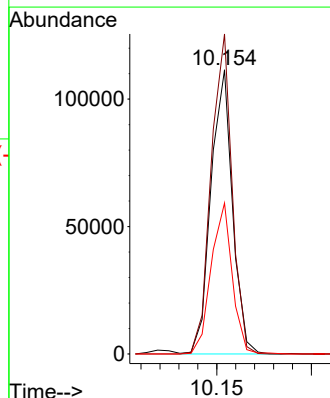
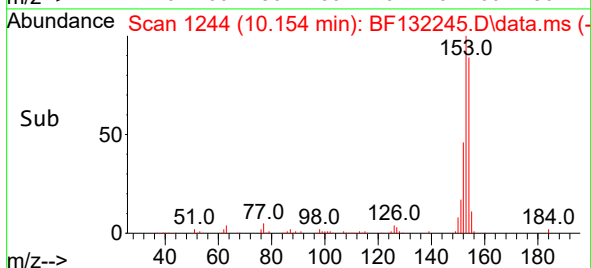
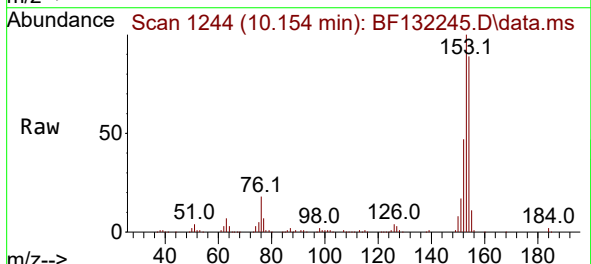
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022

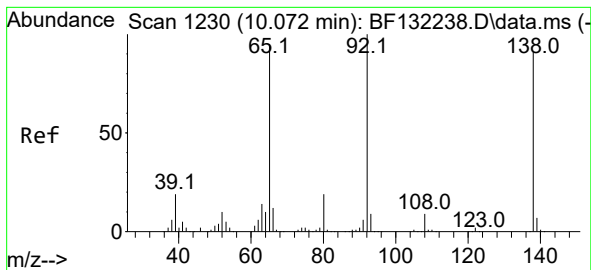
Tgt Ion:165 Resp: 20409
Ion Ratio Lower Upper
165 100
63 43.4 41.5 62.3
89 52.1 48.1 72.1



#52
Acenaphthene
Concen: 4.198 ng
RT: 10.154 min Scan# 1244
Delta R.T. -0.006 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

Tgt Ion:154 Resp: 88006
Ion Ratio Lower Upper
154 100
153 112.6 88.3 132.5
152 53.1 42.7 64.1

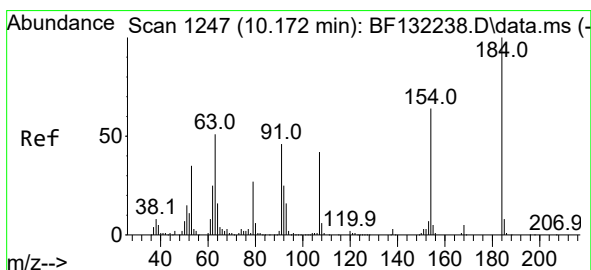
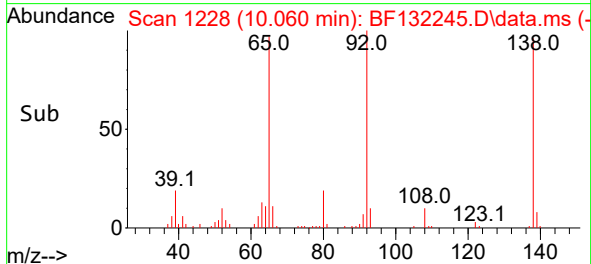
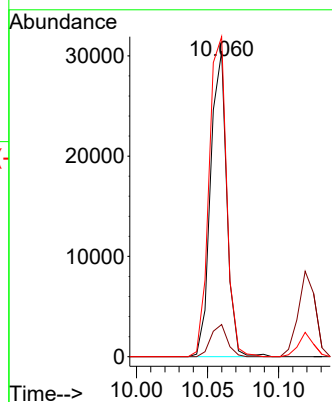
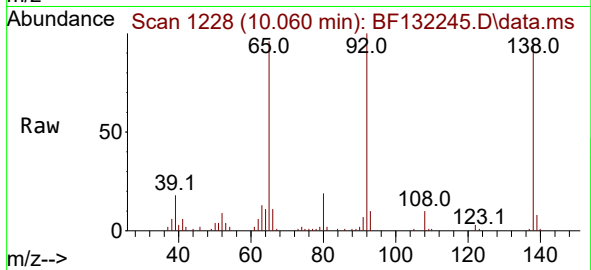




#53
3-Nitroaniline
Concen: 3.656 ng
RT: 10.060 min Scan# 1228
Delta R.T. -0.012 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

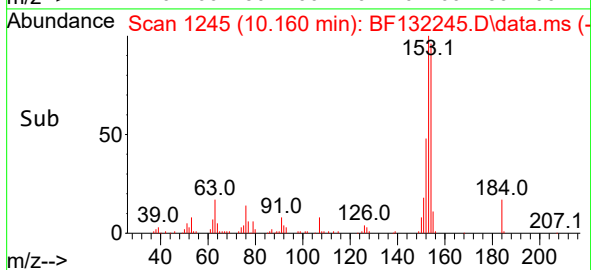
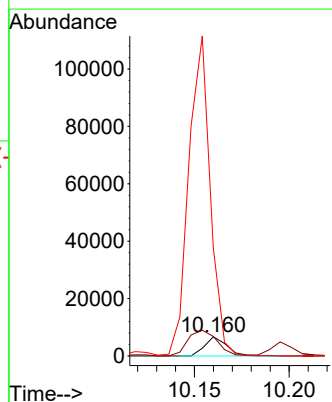
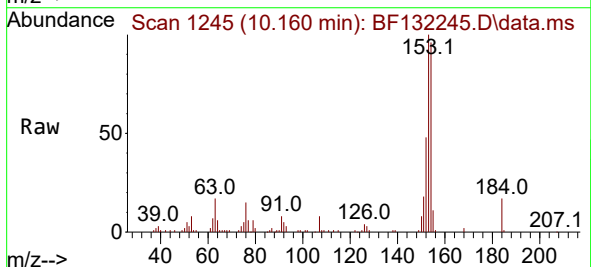
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022

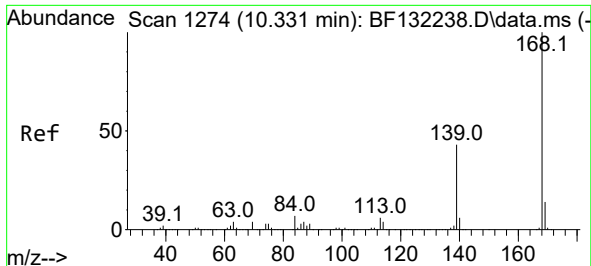
Tgt Ion:138 Resp: 24203
Ion Ratio Lower Upper
138 100
108 10.6 7.6 11.4
92 104.8 88.3 132.5



#54
2,4-Dinitrophenol
Concen: 5.937 ng
RT: 10.160 min Scan# 1245
Delta R.T. -0.012 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

Tgt Ion:184 Resp: 5383
Ion Ratio Lower Upper
184 100
63 102.1 41.6 62.4#
154 563.4 57.0 85.6#

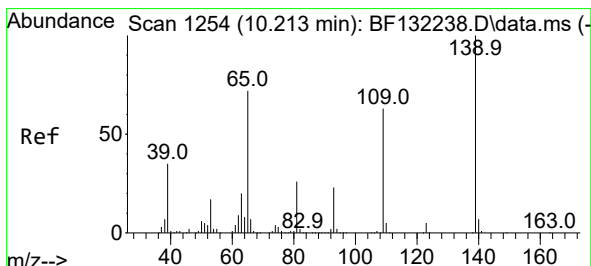
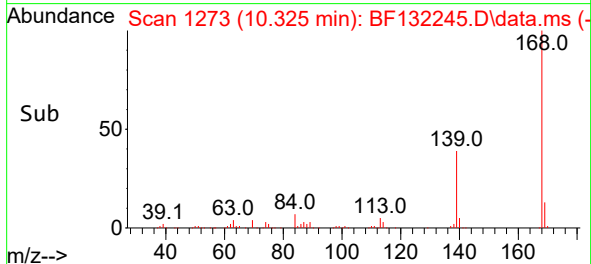
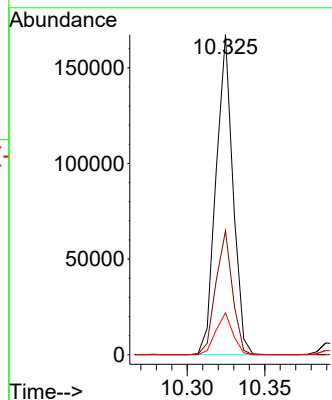
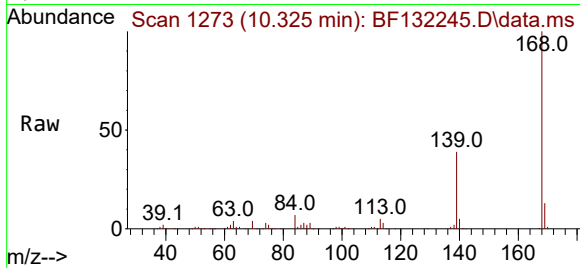




#55
Dibenzenofuran
Concen: 4.304 ng
RT: 10.325 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

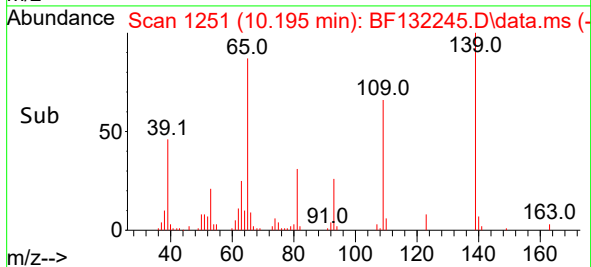
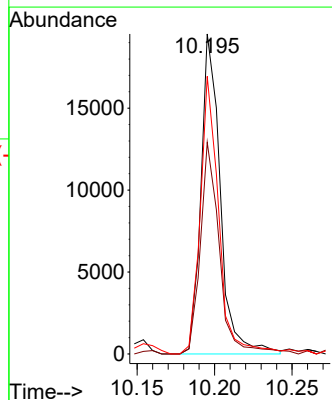
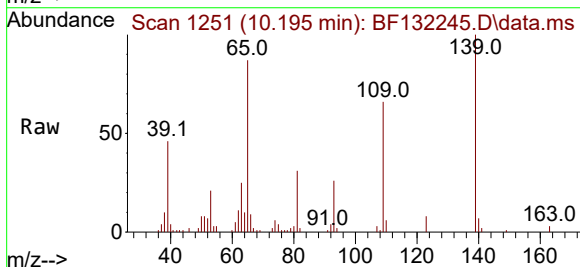
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022

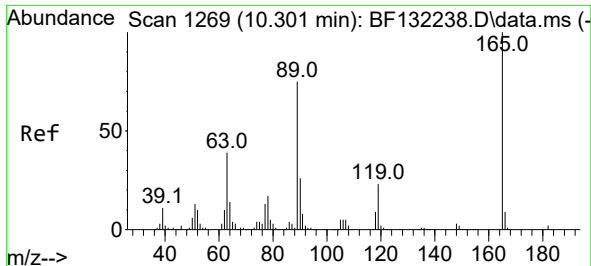
Tgt Ion:168 Resp: 126776
Ion Ratio Lower Upper
168 100
139 38.7 34.2 51.4
169 13.1 11.2 16.8



#56
4-Nitrophenol
Concen: 3.398 ng
RT: 10.195 min Scan# 1251
Delta R.T. -0.018 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

Tgt Ion:139 Resp: 16926
Ion Ratio Lower Upper
139 100
109 66.1 43.3 83.3
65 86.8 52.3 92.3





#57

2,4-Dinitrotoluene

Concen: 3.687 ng

RT: 10.289 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2022

Tgt Ion:165 Resp: 26144

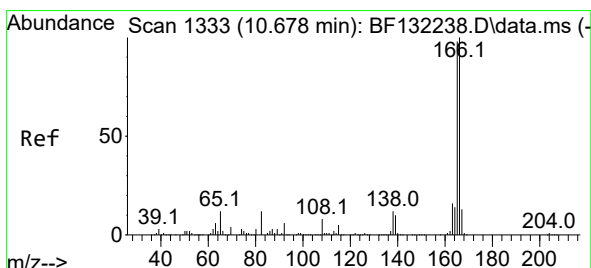
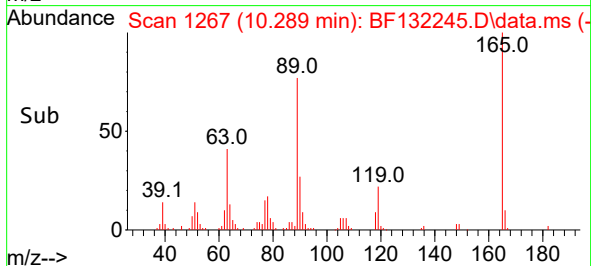
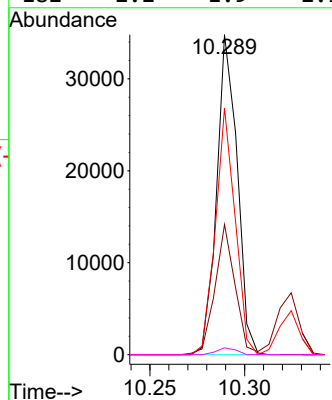
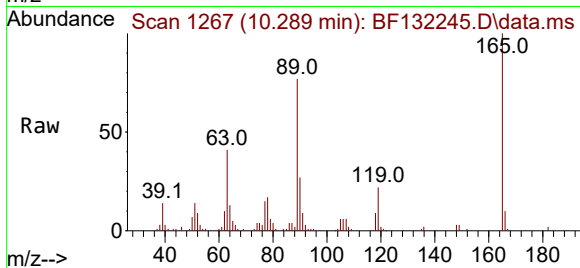
Ion Ratio Lower Upper

165 100

63 40.7 30.9 46.3

89 77.1 60.1 90.1

182 2.2 1.9 2.9



#58

Fluorene

Concen: 4.436 ng

RT: 10.672 min Scan# 1332

Delta R.T. -0.006 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

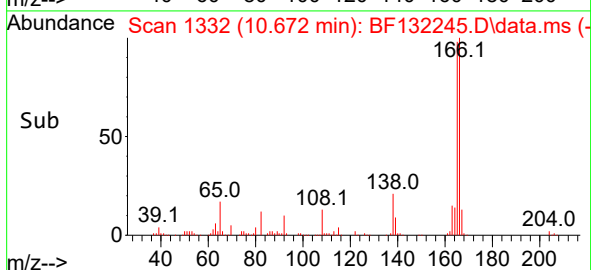
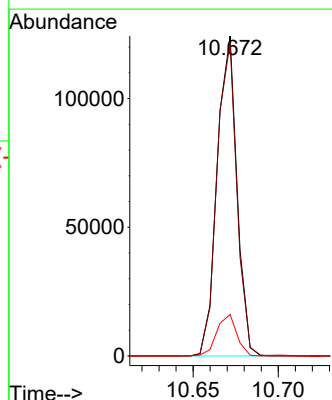
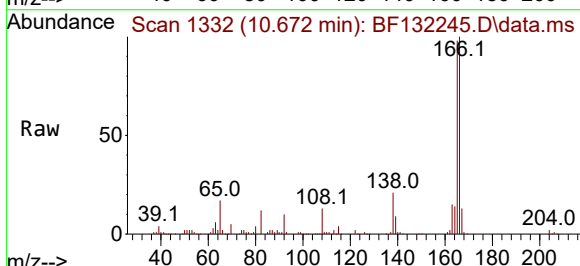
Tgt Ion:166 Resp: 100557

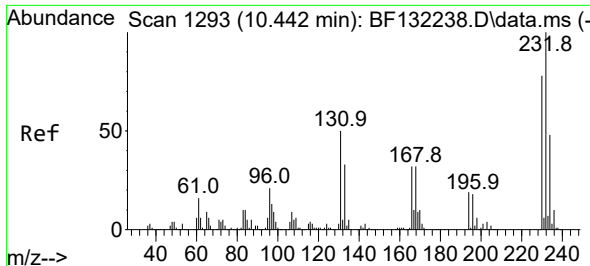
Ion Ratio Lower Upper

166 100

165 97.9 78.0 117.0

167 12.9 10.8 16.2





#59

2,3,4,6-Tetrachlorophenol

Concen: 3.770 ng

RT: 10.436 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2022

Tgt Ion:232 Resp: 22233

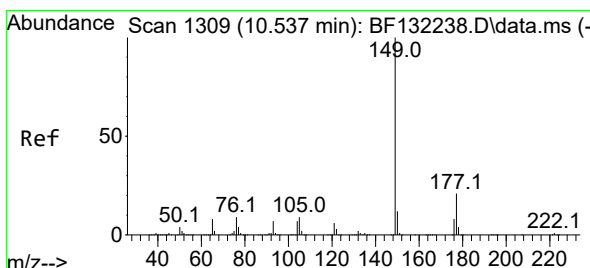
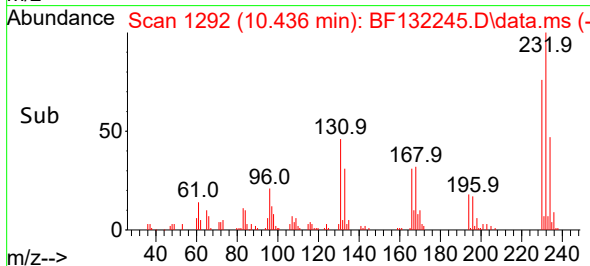
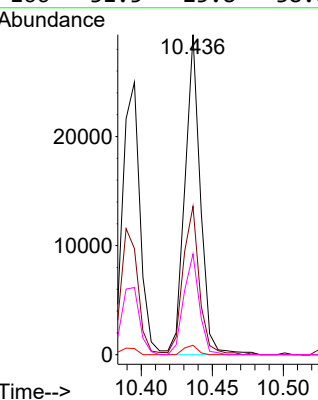
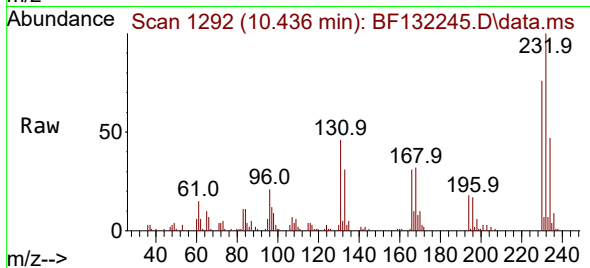
Ion Ratio Lower Upper

232 100

131 48.9 40.6 61.0

130 2.6 1.9 2.9

166 31.5 25.8 38.8



#60

Diethylphthalate

Concen: 4.109 ng

RT: 10.525 min Scan# 1307

Delta R.T. -0.012 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

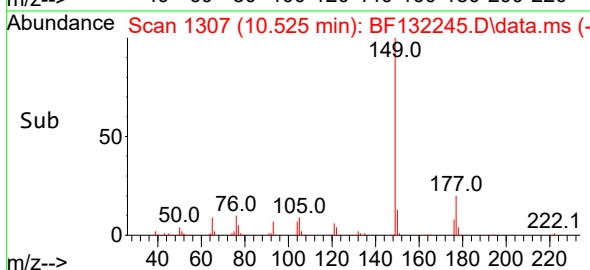
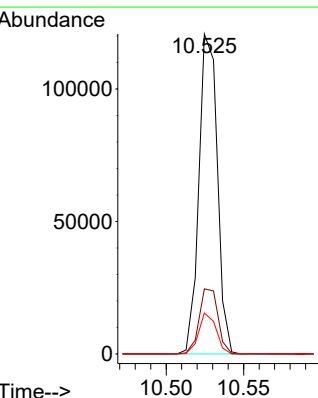
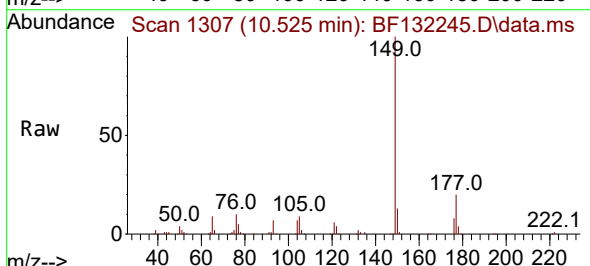
Tgt Ion:149 Resp: 99909

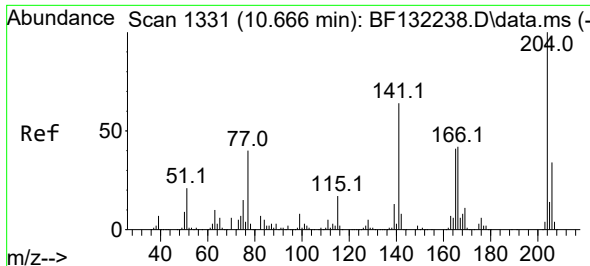
Ion Ratio Lower Upper

149 100

177 20.4 17.1 25.7

150 12.8 9.9 14.9

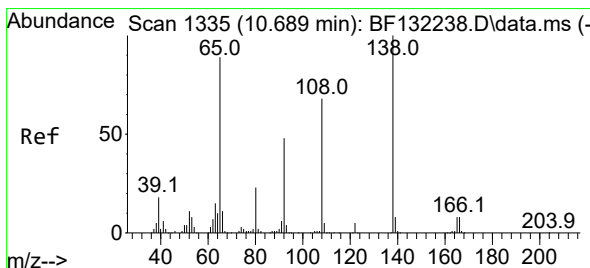
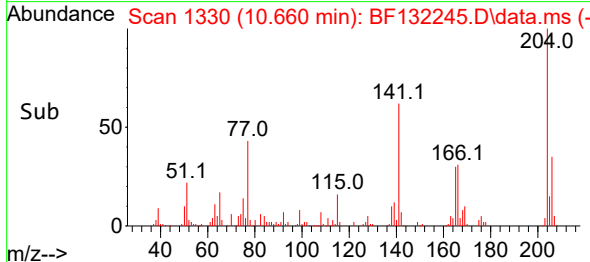
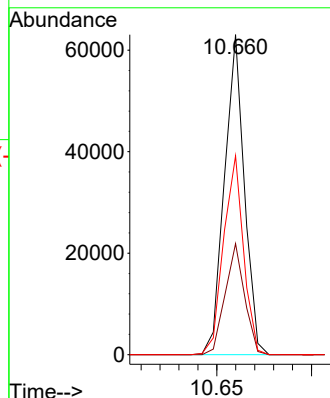
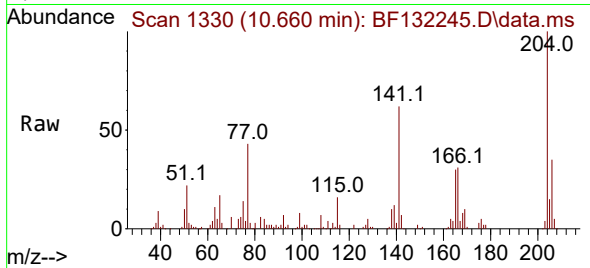




#61
4-Chlorophenyl-phenylether
Concen: 4.275 ng
RT: 10.660 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

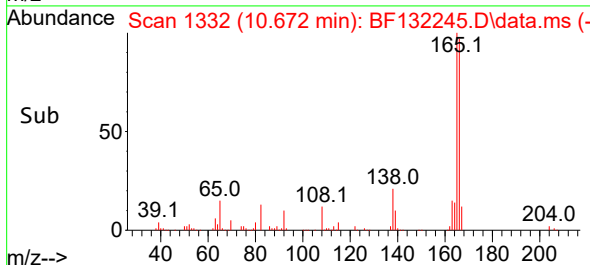
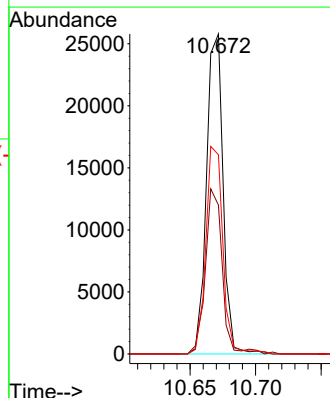
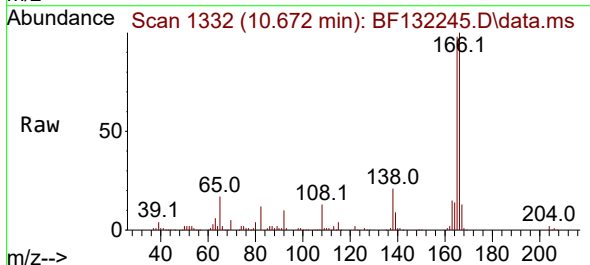
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022

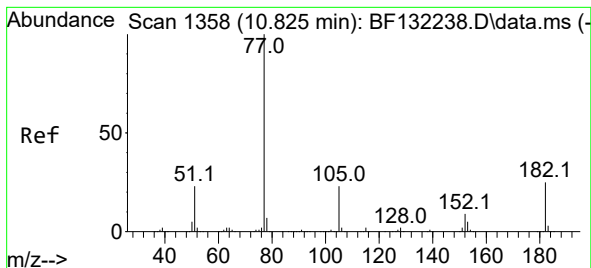
Tgt Ion:204 Resp: 45991
Ion Ratio Lower Upper
204 100
206 34.7 26.8 40.2
141 62.2 51.4 77.0



#62
4-Nitroaniline
Concen: 3.575 ng
RT: 10.672 min Scan# 1332
Delta R.T. -0.018 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

Tgt Ion:138 Resp: 22695
Ion Ratio Lower Upper
138 100
92 46.5 27.7 67.7
108 62.2 48.5 88.5





#63

Azobenzene

Concen: 4.043 ng

RT: 10.819 min Scan# 1493

Delta R.T. -0.006 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2022

Tgt Ion: 77 Resp: 95762

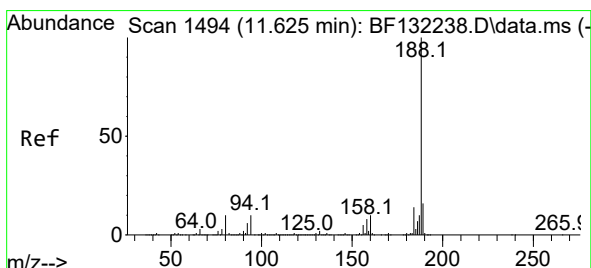
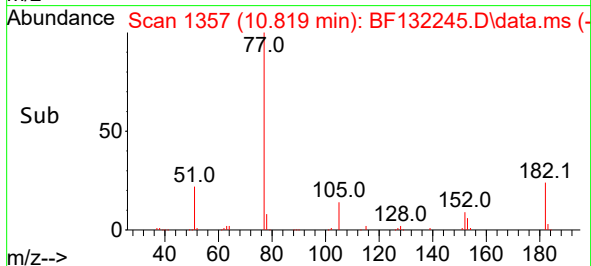
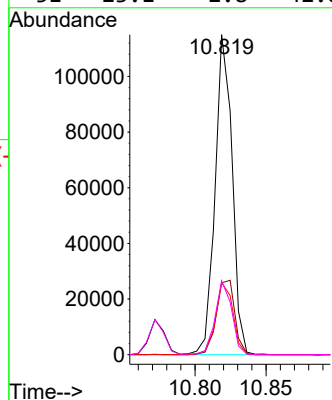
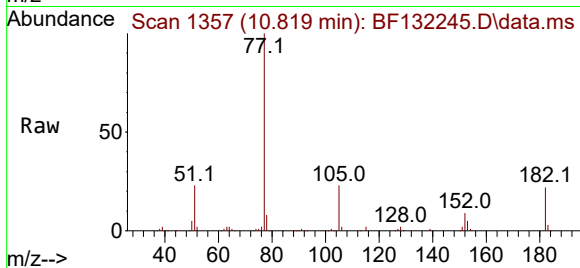
Ion Ratio Lower Upper

77 100

182 22.4 4.5 44.5

105 22.5 2.7 42.7

51 23.1 2.8 42.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.619 min Scan# 1493

Delta R.T. -0.006 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

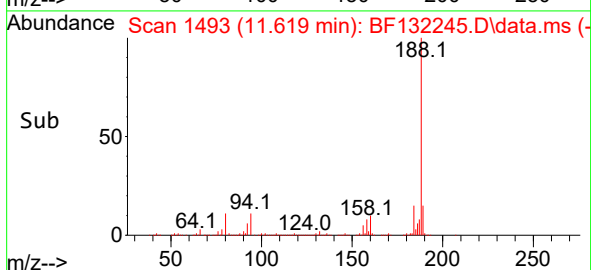
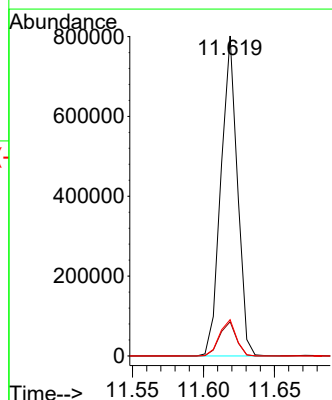
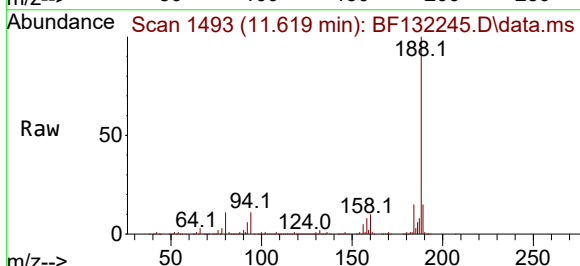
Tgt Ion: 188 Resp: 644105

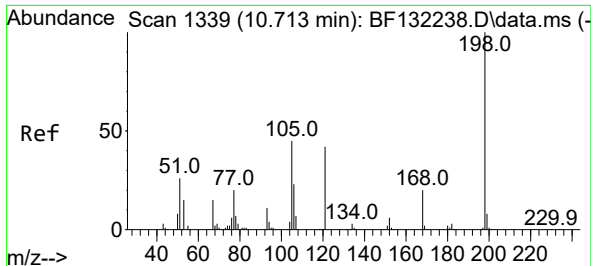
Ion Ratio Lower Upper

188 100

94 10.7 8.2 12.2

80 11.4 8.3 12.5





#65

4,6-Dinitro-2-methylphenol

Concen: 2.528 ng

RT: 10.701 min Scan# 1337

Delta R.T. -0.012 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2022

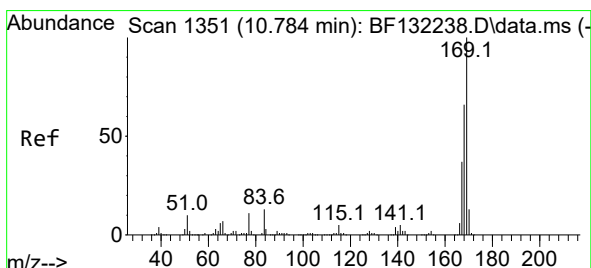
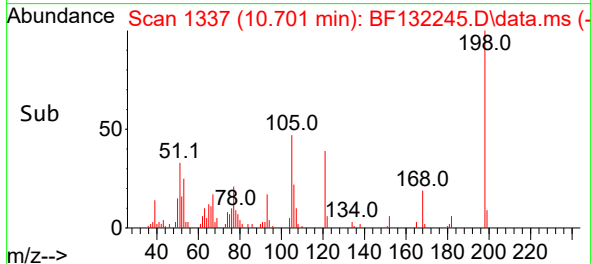
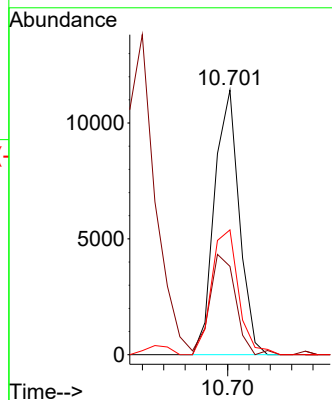
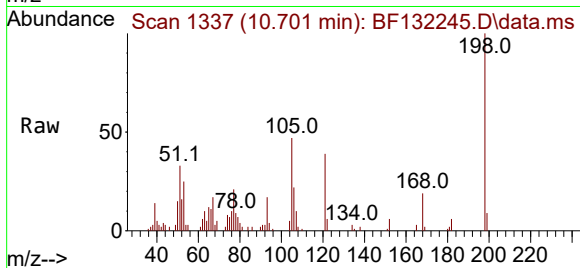
Tgt Ion:198 Resp: 9240

Ion Ratio Lower Upper

198 100

51 33.4 13.1 53.1

105 47.2 26.0 66.0



#66

n-Nitrosodiphenylamine

Concen: 4.181 ng

RT: 10.772 min Scan# 1349

Delta R.T. -0.012 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

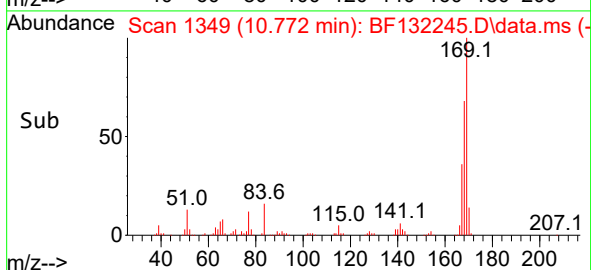
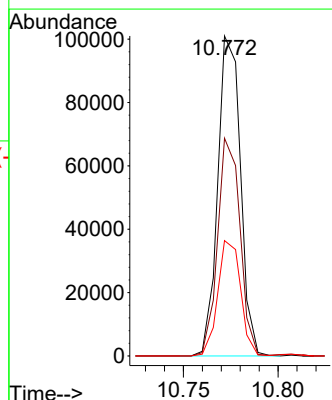
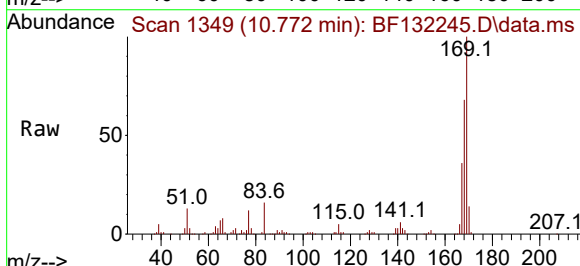
Tgt Ion:169 Resp: 84332

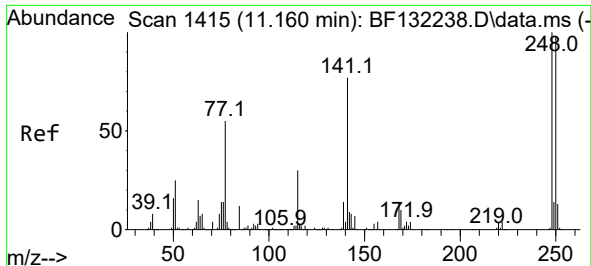
Ion Ratio Lower Upper

169 100

168 68.0 52.6 79.0

167 36.0 29.5 44.3





#67

4-Bromophenyl-phenylether

Concen: 4.009 ng

RT: 11.154 min Scan# 1414

Delta R.T. -0.006 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2022

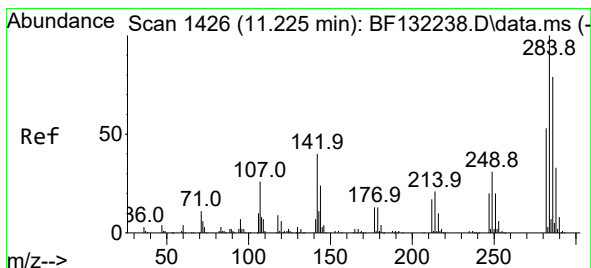
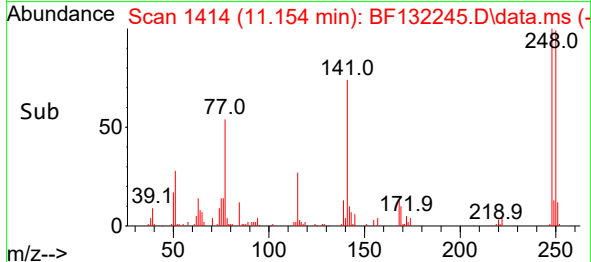
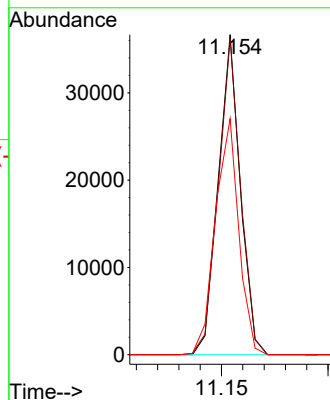
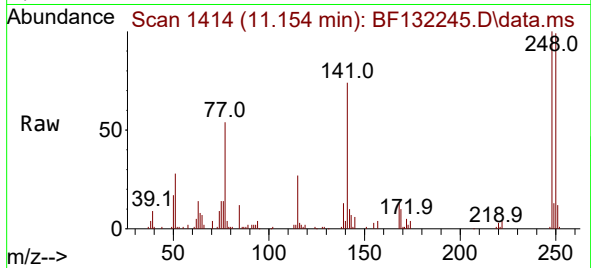
Tgt Ion:248 Resp: 26441

Ion Ratio Lower Upper

248 100

250 98.8 78.6 117.8

141 73.7 61.6 92.4



#68

Hexachlorobenzene

Concen: 4.432 ng

RT: 11.219 min Scan# 1425

Delta R.T. -0.006 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

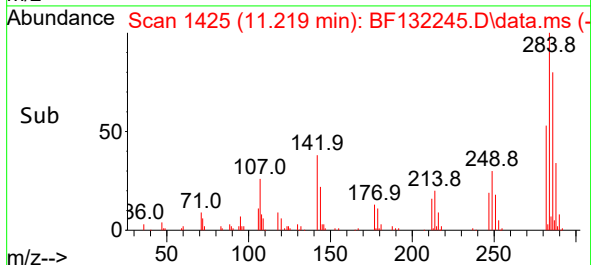
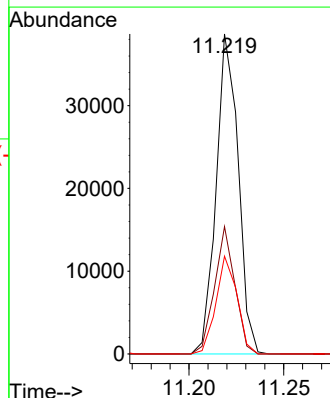
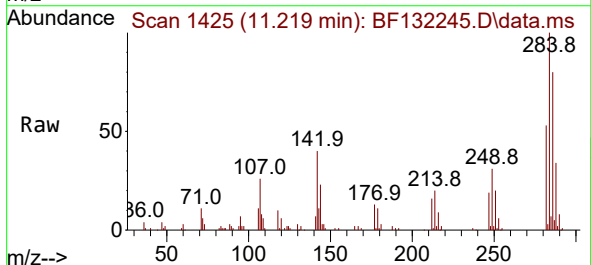
Tgt Ion:284 Resp: 31242

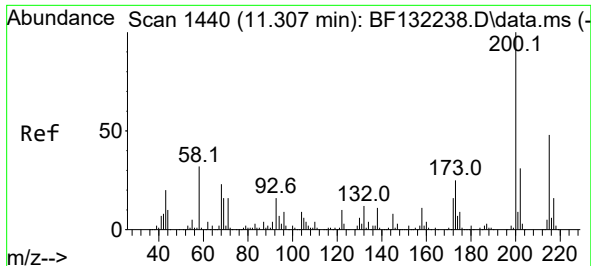
Ion Ratio Lower Upper

284 100

142 39.8 32.2 48.4

249 30.6 25.0 37.6

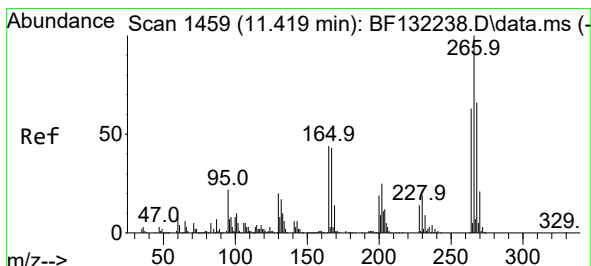
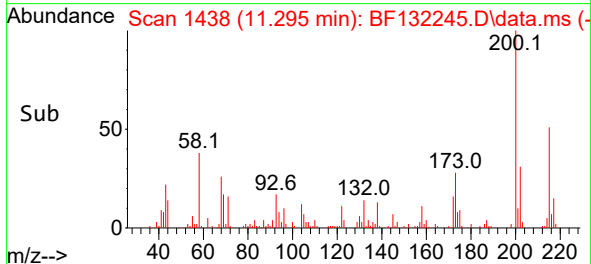
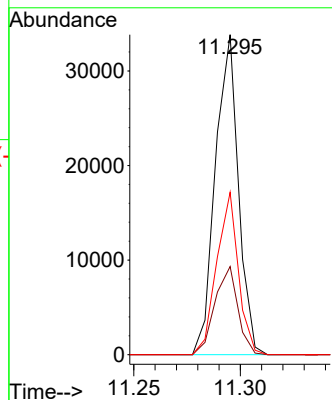
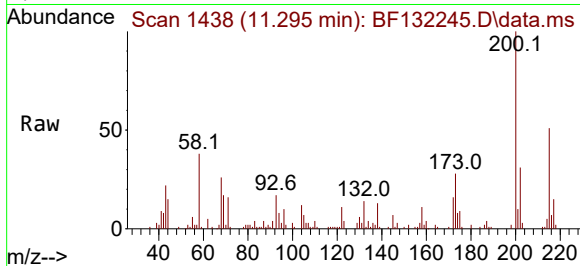




#69
Atrazine
Concen: 4.375 ng
RT: 11.295 min Scan# 1440
Delta R.T. -0.012 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

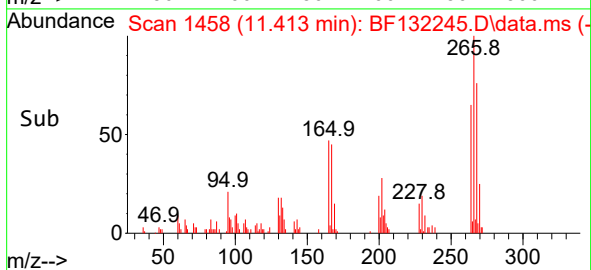
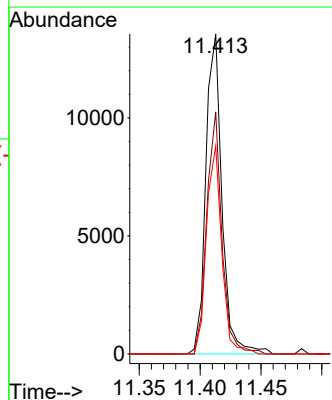
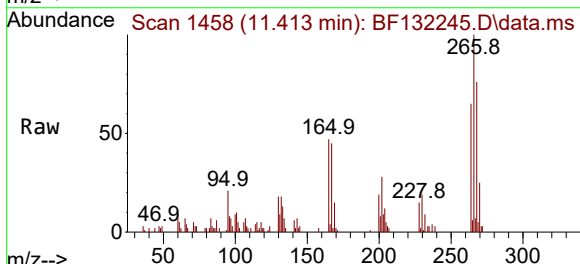
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022

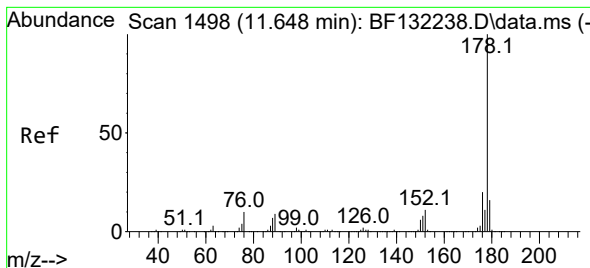
Tgt Ion:200 Resp: 25380
Ion Ratio Lower Upper
200 100
173 27.5 5.1 45.1
215 50.8 27.6 67.6



#70
Pentachlorophenol
Concen: 2.580 ng
RT: 11.413 min Scan# 1458
Delta R.T. -0.006 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

Tgt Ion:266 Resp: 12498
Ion Ratio Lower Upper
266 100
268 80.9 53.0 79.4#
264 65.0 50.5 75.7





#71

Phenanthrene

Concen: 4.399 ng

RT: 11.642 min Scan# 1497

Delta R.T. -0.006 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2022

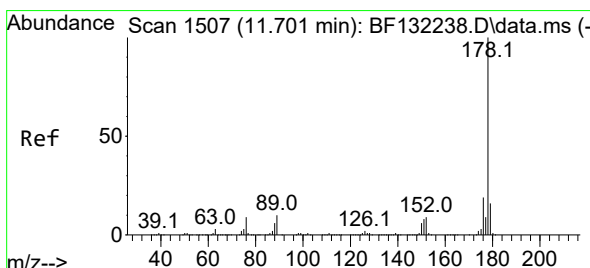
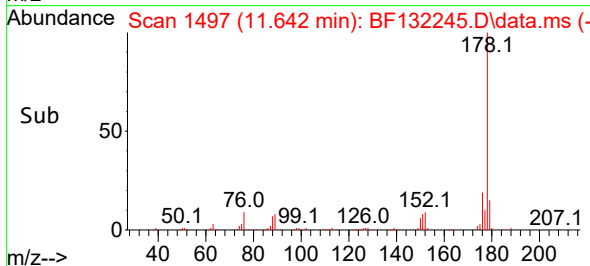
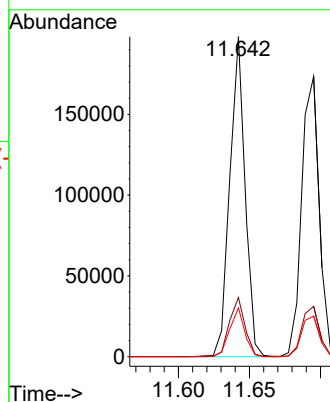
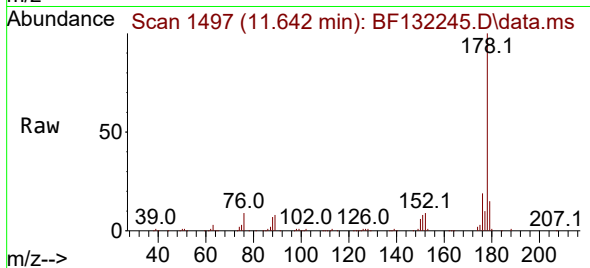
Tgt Ion:178 Resp: 148052

Ion Ratio Lower Upper

178 100

176 18.5 16.2 24.4

179 15.2 12.8 19.2



#72

Anthracene

Concen: 4.352 ng

RT: 11.695 min Scan# 1506

Delta R.T. -0.006 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

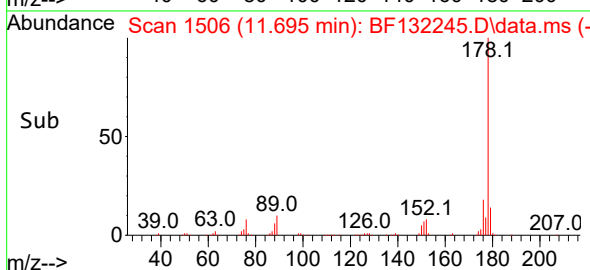
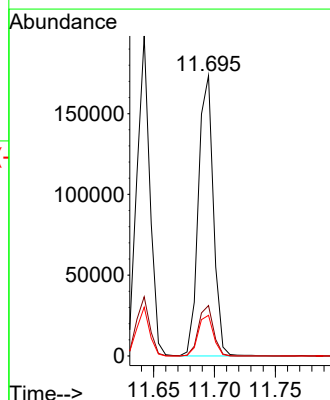
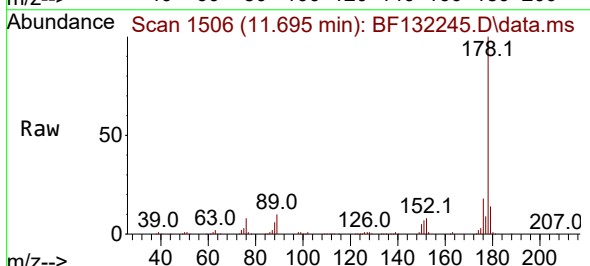
Tgt Ion:178 Resp: 149065

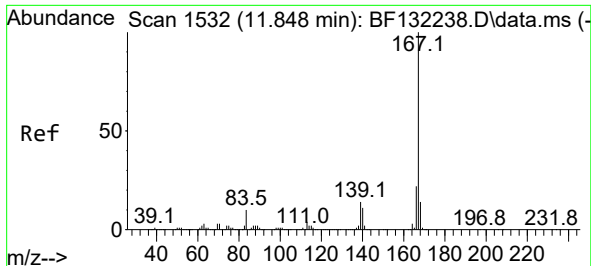
Ion Ratio Lower Upper

178 100

176 18.0 15.4 23.2

179 14.5 12.8 19.2

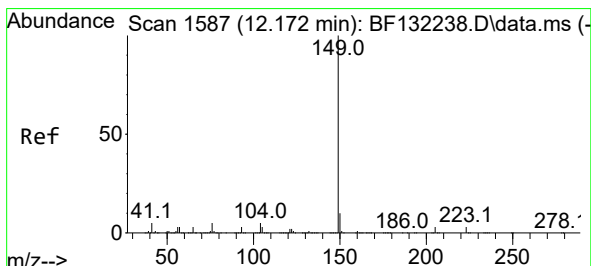
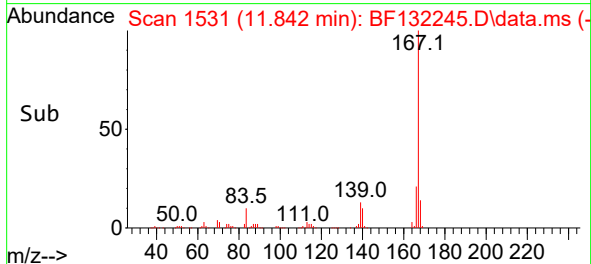
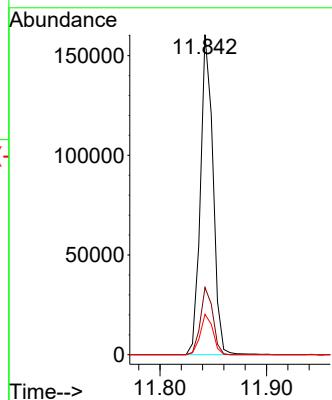
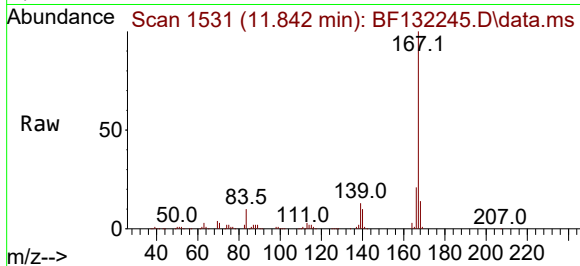




#73
 Carbazole
 Concen: 4.294 ng
 RT: 11.842 min Scan# 1532
 Delta R.T. -0.006 min
 Lab File: BF132245.D
 Acq: 31 Jan 2023 23:25

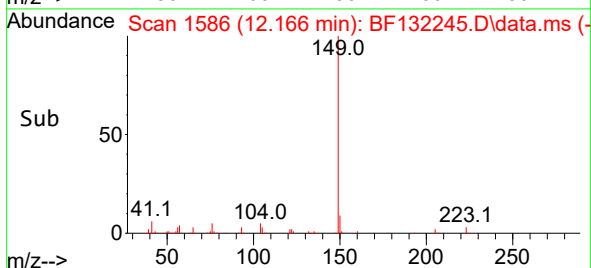
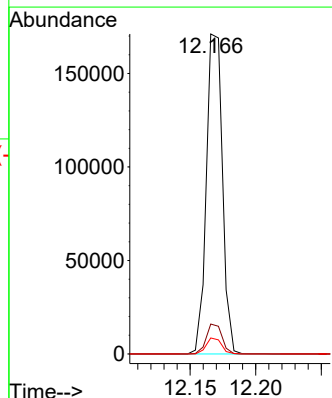
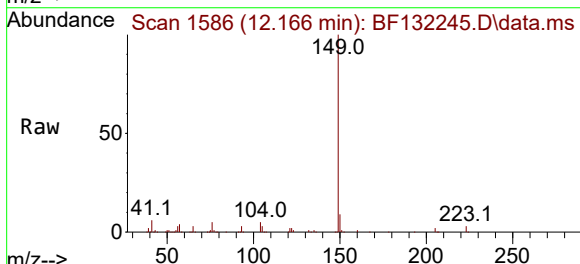
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2022

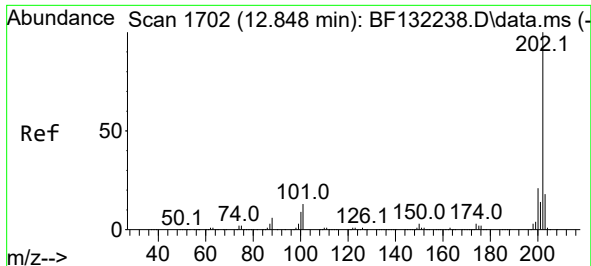
Tgt Ion:167 Resp: 131892
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.4 26.0
 139 12.6 11.4 17.2



#74
 Di-n-butylphthalate
 Concen: 4.045 ng
 RT: 12.166 min Scan# 1586
 Delta R.T. -0.006 min
 Lab File: BF132245.D
 Acq: 31 Jan 2023 23:25

Tgt Ion:149 Resp: 146867
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.8 11.8
 104 5.0 4.3 6.5

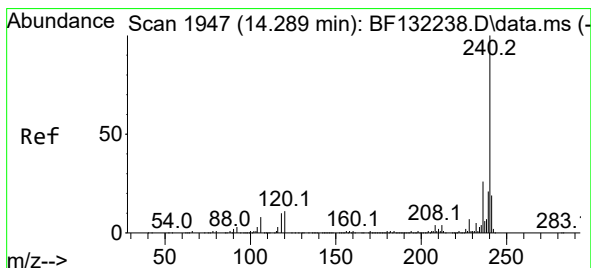
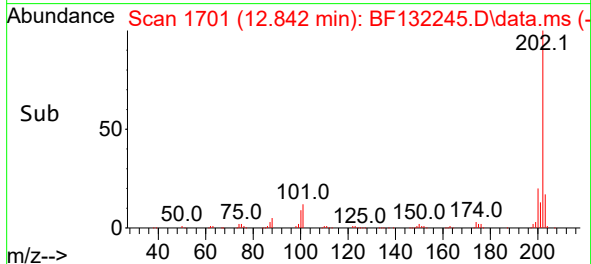
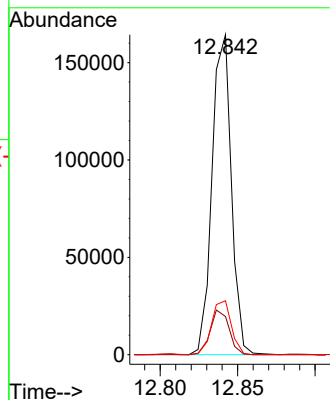
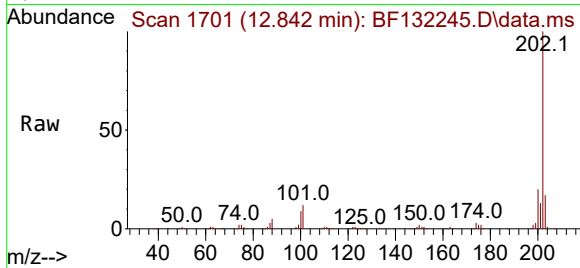




#75
Fluoranthene
Concen: 4.144 ng
RT: 12.842 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

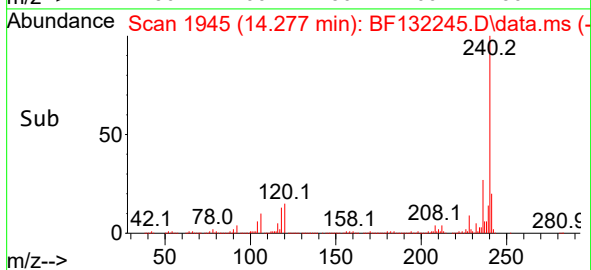
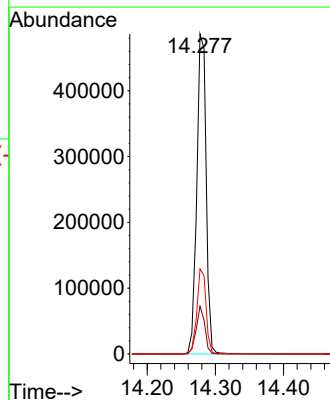
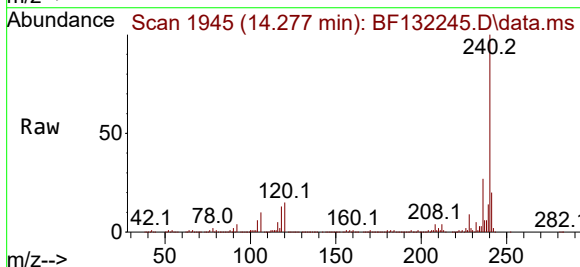
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022

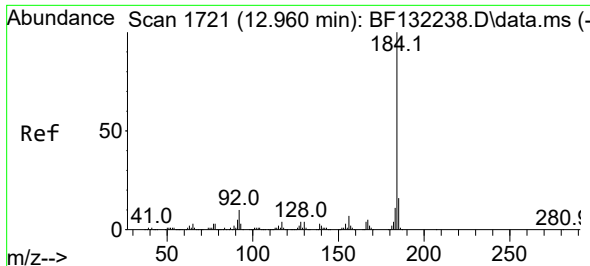
Tgt Ion:202 Resp: 142347
Ion Ratio Lower Upper
202 100
101 11.9 0.0 32.7
203 16.8 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.277 min Scan# 1945
Delta R.T. -0.012 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

Tgt Ion:240 Resp: 465281
Ion Ratio Lower Upper
240 100
120 14.9 8.8 13.2#
236 26.6 21.0 31.6

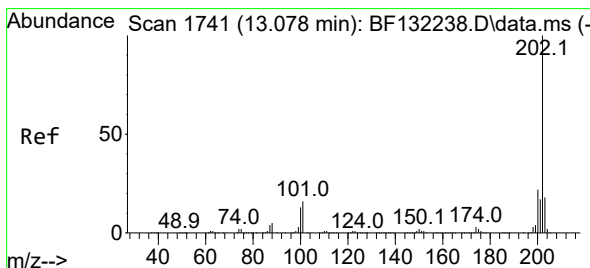
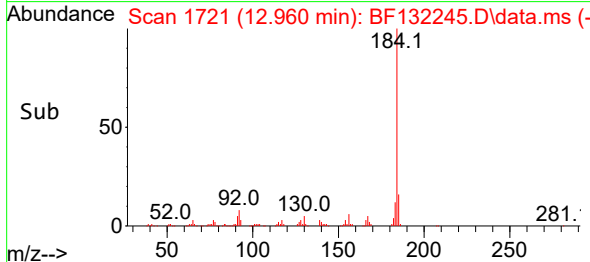
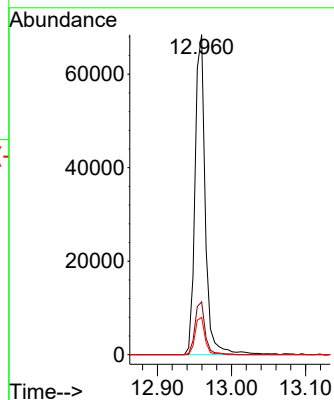
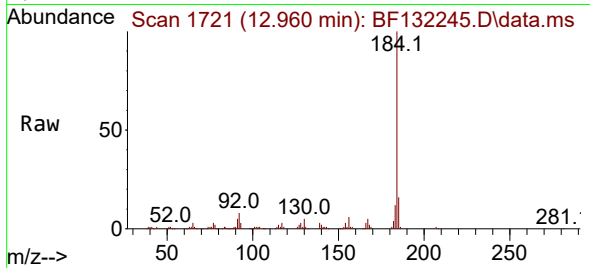




#77
Benzidine
Concen: 4.047 ng
RT: 12.960 min Scan# 1721
Delta R.T. -0.000 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

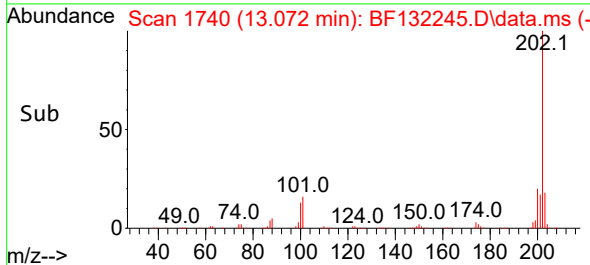
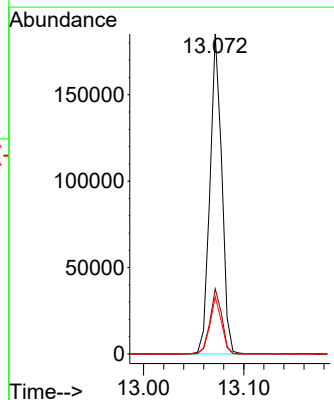
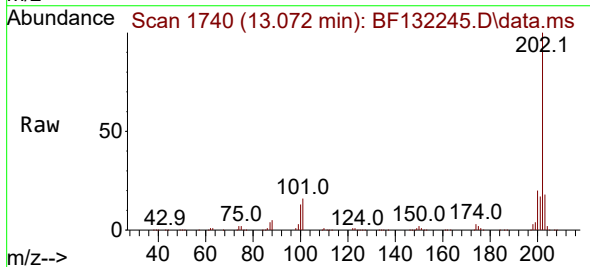
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022

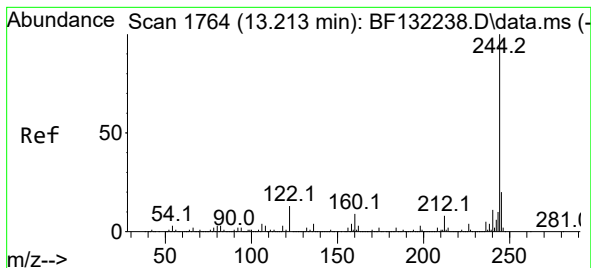
Tgt Ion:184 Resp: 65826
Ion Ratio Lower Upper
184 100
185 16.5 12.6 18.8
183 11.7 8.9 13.3



#78
Pyrene
Concen: 4.046 ng
RT: 13.072 min Scan# 1740
Delta R.T. -0.006 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

Tgt Ion:202 Resp: 151431
Ion Ratio Lower Upper
202 100
200 20.3 17.3 25.9
203 17.8 14.4 21.6





#79

Terphenyl-d14

Concen: 68.395 ng

RT: 13.213 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2022

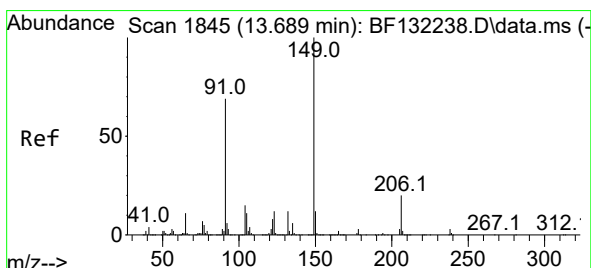
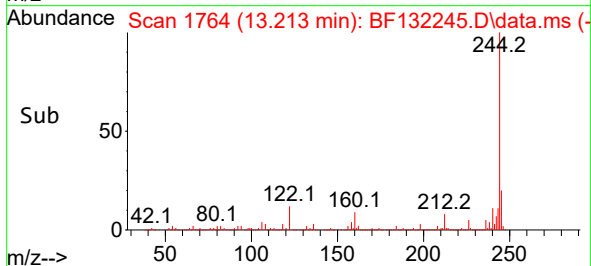
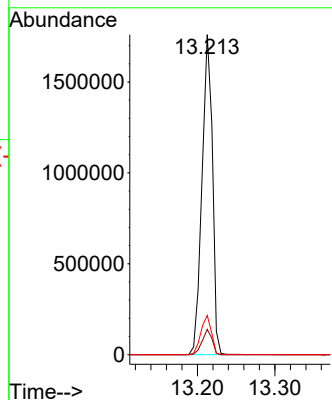
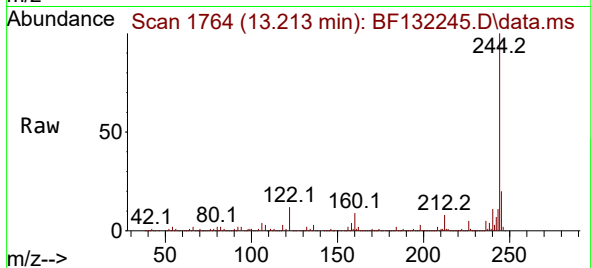
Tgt Ion:244 Resp: 1645100

Ion Ratio Lower Upper

244 100

212 7.9 6.4 9.6

122 12.3 10.5 15.7



#80

Butylbenzylphthalate

Concen: 3.303 ng

RT: 13.683 min Scan# 1844

Delta R.T. -0.006 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

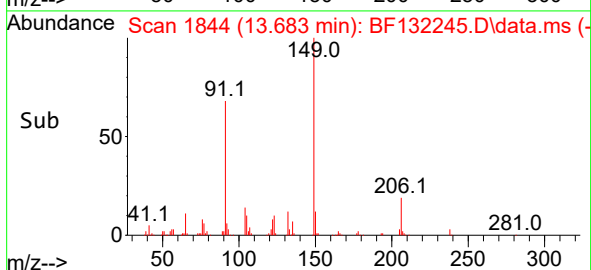
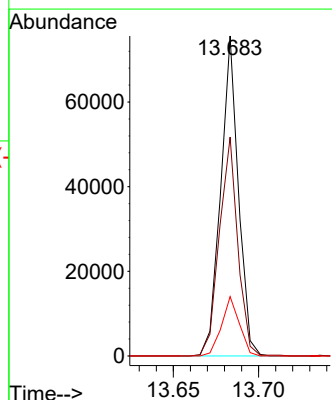
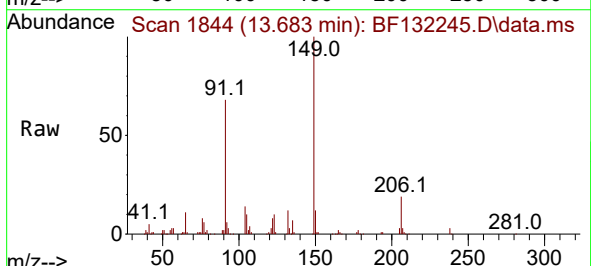
Tgt Ion:149 Resp: 54607

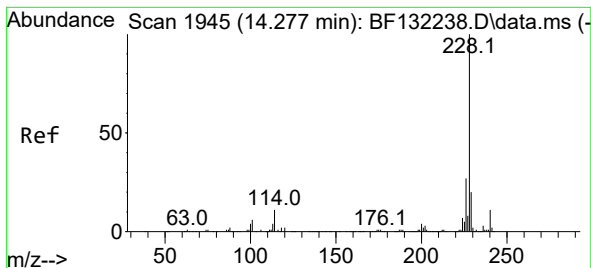
Ion Ratio Lower Upper

149 100

91 68.4 55.0 82.6

206 18.6 15.9 23.9





#81

Benzo(a)anthracene

Concen: 4.049 ng

RT: 14.266 min Scan# 1945

Delta R.T. -0.012 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2022

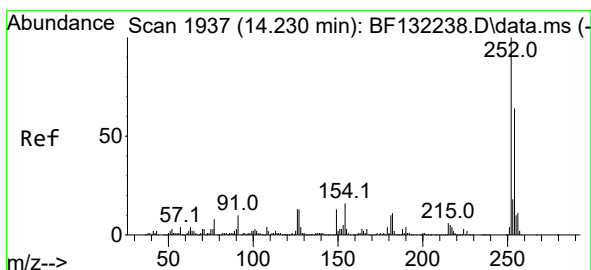
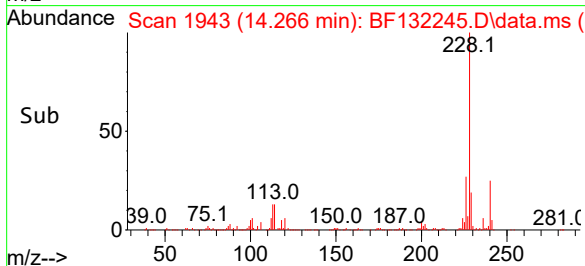
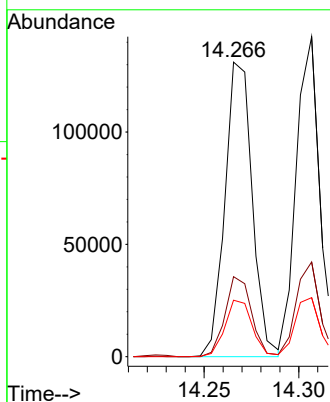
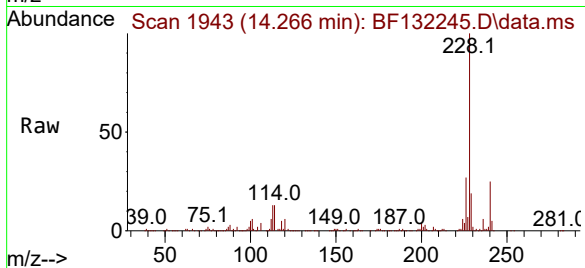
Tgt Ion:228 Resp: 131755

Ion Ratio Lower Upper

228 100

226 27.2 22.0 33.0

229 19.2 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 4.070 ng

RT: 14.224 min Scan# 1936

Delta R.T. -0.006 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

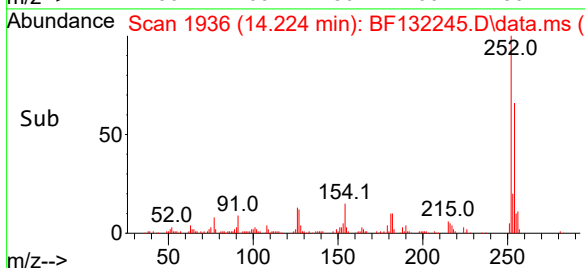
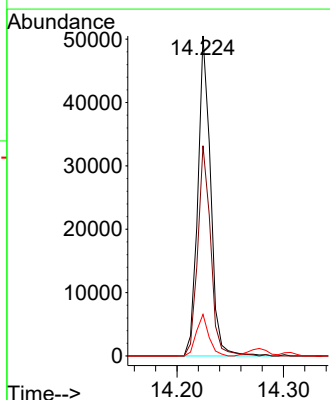
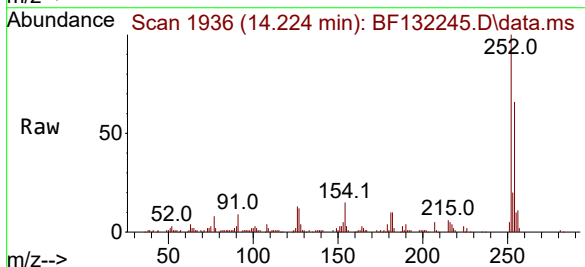
Tgt Ion:252 Resp: 42190

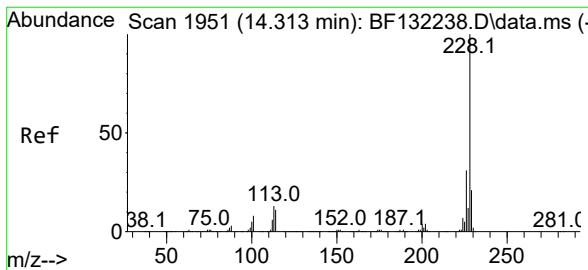
Ion Ratio Lower Upper

252 100

254 65.7 51.6 77.4

126 13.0 10.5 15.7





#83

Chrysene

Concen: 4.023 ng

RT: 14.307 min Scan# 1950

Delta R.T. -0.006 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2022

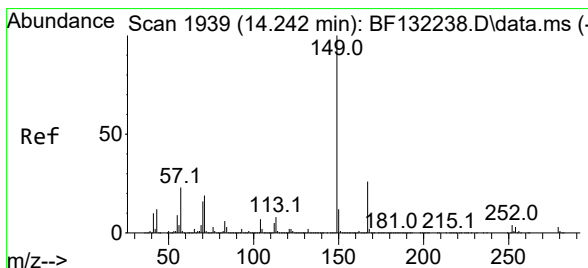
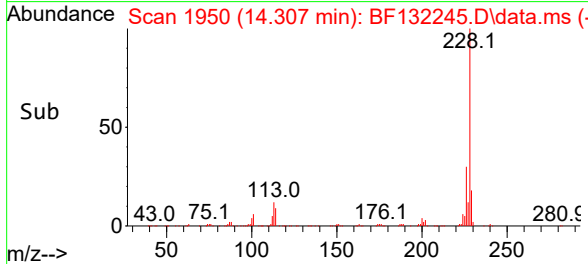
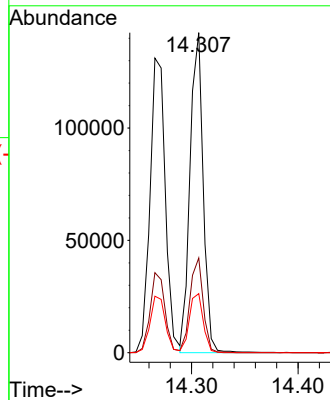
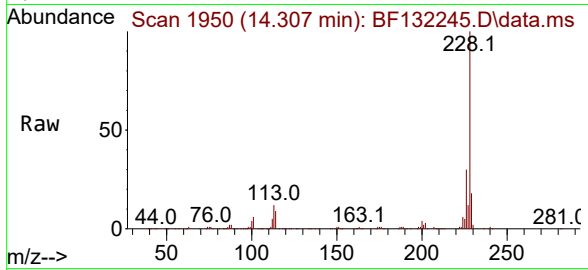
Tgt Ion:228 Resp: 122585

Ion Ratio Lower Upper

228 100

226 29.6 24.9 37.3

229 18.4 16.4 24.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.597 ng

RT: 14.242 min Scan# 1939

Delta R.T. -0.000 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

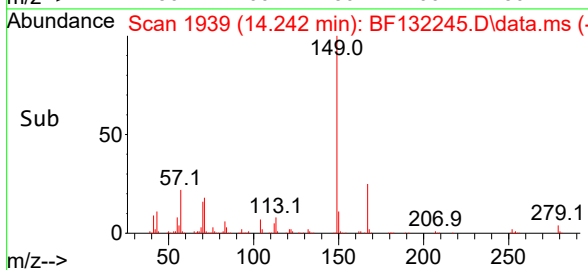
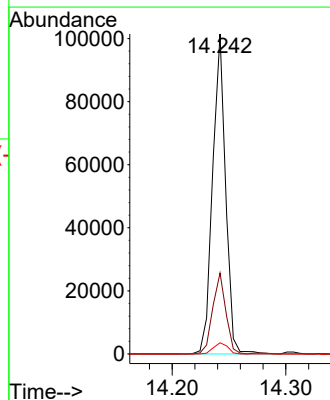
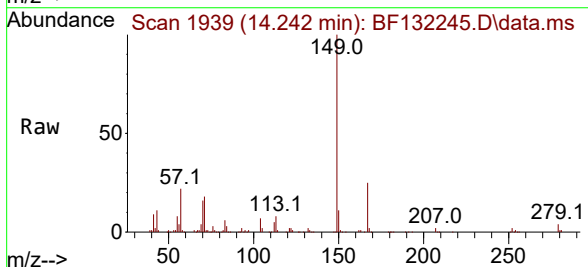
Tgt Ion:149 Resp: 80382

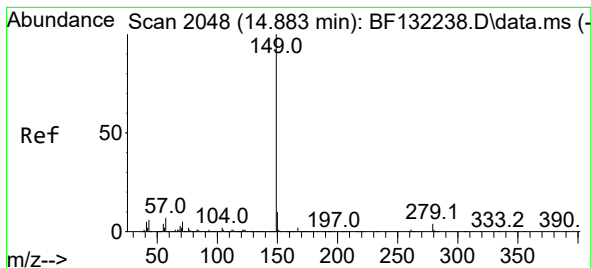
Ion Ratio Lower Upper

149 100

167 25.3 20.7 31.1

279 3.5 2.7 4.1





#85

Di-n-octyl phthalate

Concen: 3.480 ng

RT: 14.877 min Scan# 2047

Delta R.T. -0.006 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2022

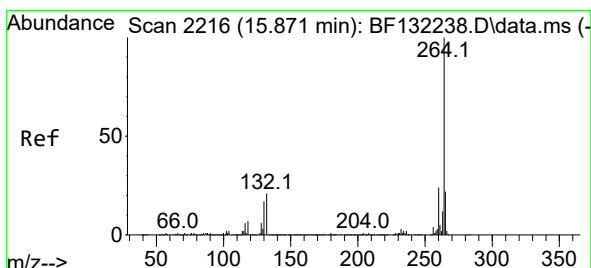
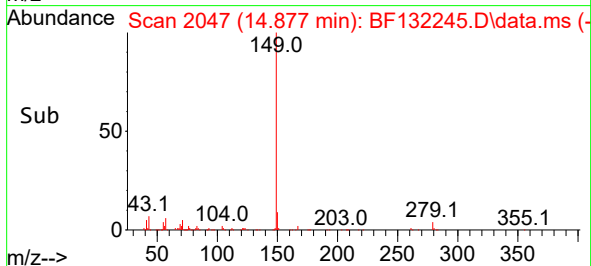
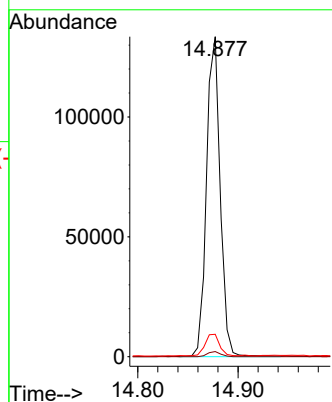
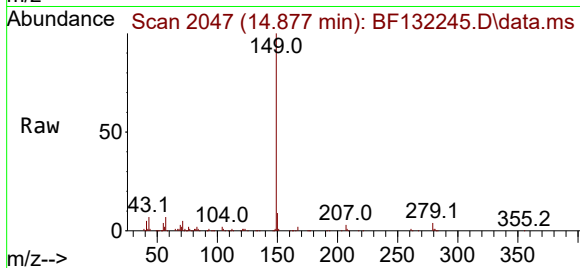
Tgt Ion:149 Resp: 126836

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 7.5 5.9 8.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.865 min Scan# 2215

Delta R.T. -0.006 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

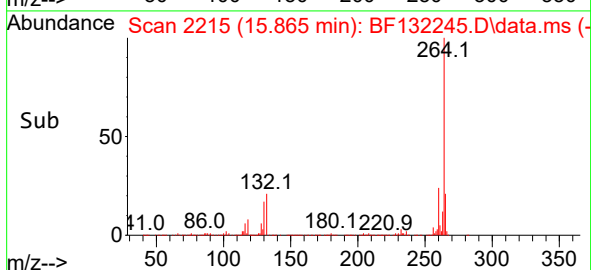
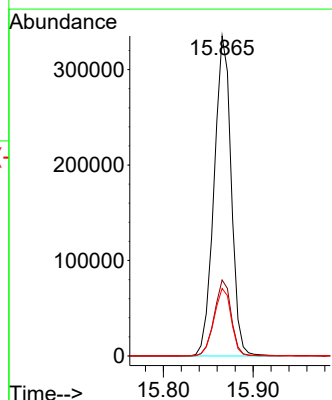
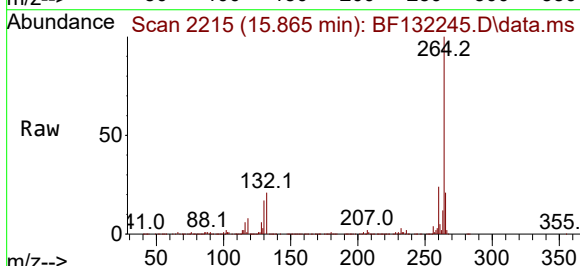
Tgt Ion:264 Resp: 444066

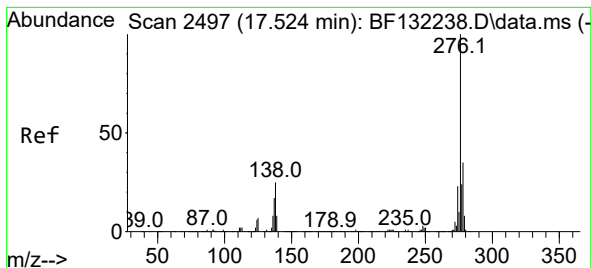
Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.4

265 21.1 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.329 ng

RT: 17.501 min Scan# 2497

Delta R.T. -0.024 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2022

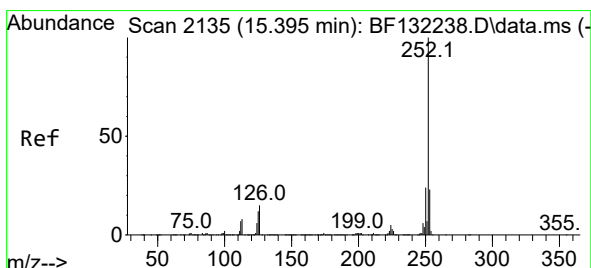
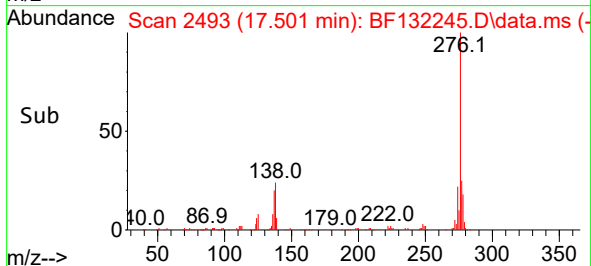
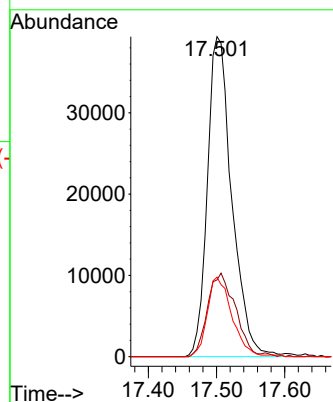
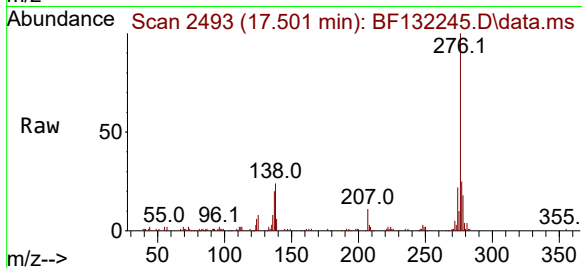
Tgt Ion:276 Resp: 98241

Ion Ratio Lower Upper

276 100

138 30.1 23.3 34.9

277 25.2 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 4.057 ng

RT: 15.383 min Scan# 2133

Delta R.T. -0.012 min

Lab File: BF132245.D

Acq: 31 Jan 2023 23:25

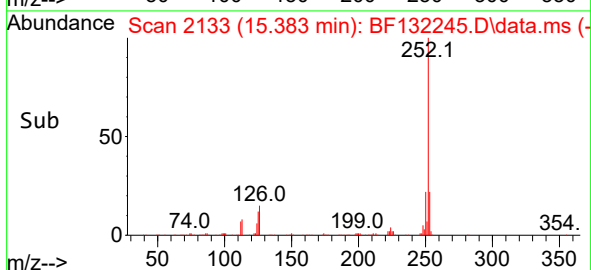
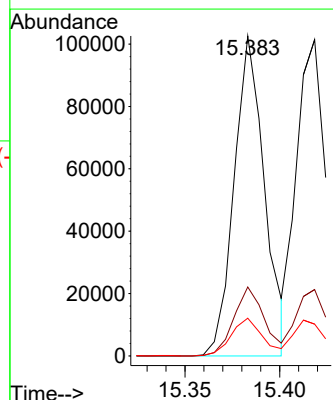
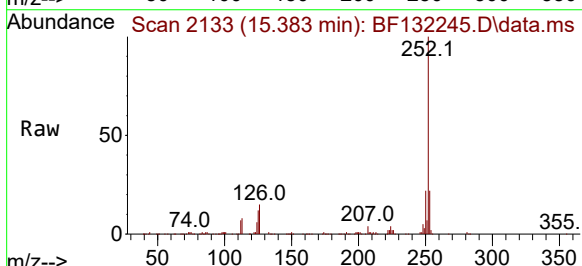
Tgt Ion:252 Resp: 114508

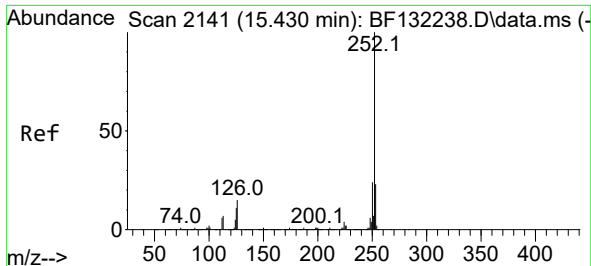
Ion Ratio Lower Upper

252 100

253 21.6 18.1 27.1

125 11.8 9.6 14.4

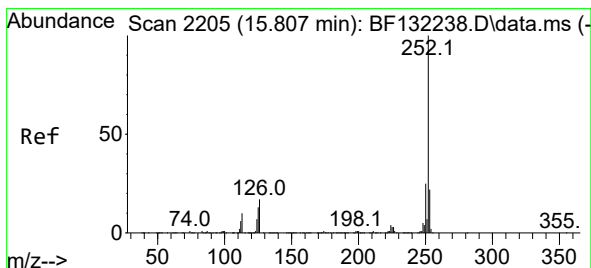
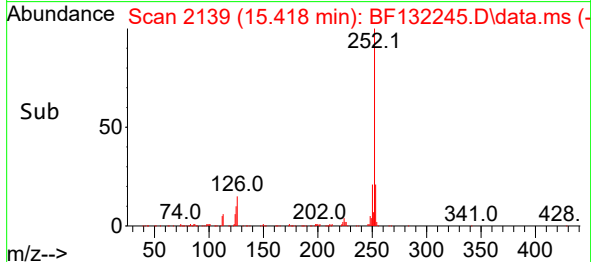
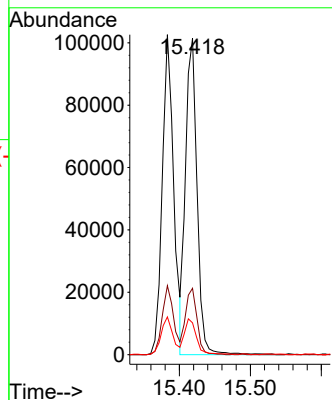
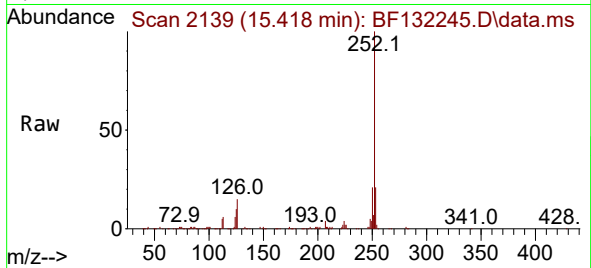




#89
Benzo(k)fluoranthene
Concen: 4.232 ng
RT: 15.418 min Scan# 2141
Delta R.T. -0.012 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

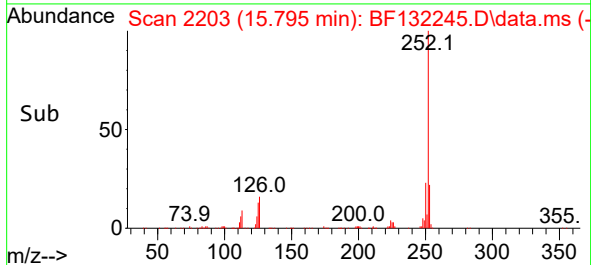
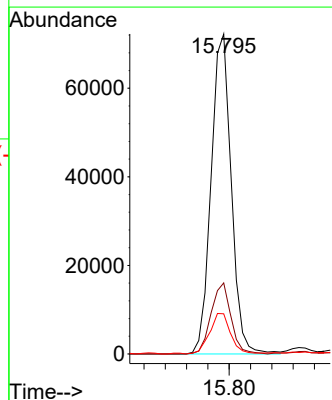
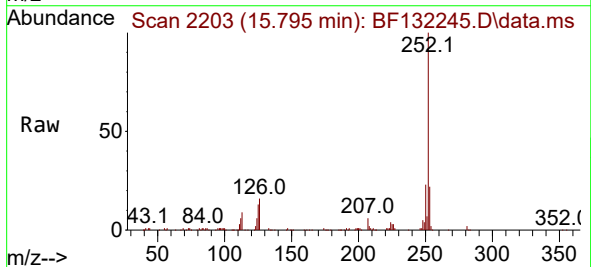
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022

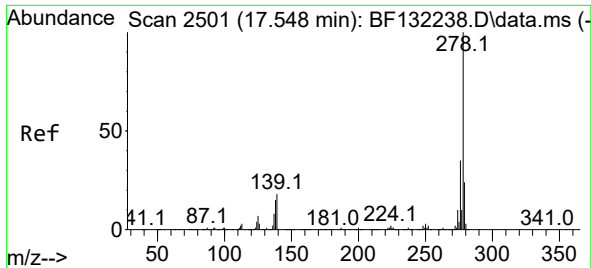
Tgt Ion:252 Resp: 114030
Ion Ratio Lower Upper
252 100
253 21.0 18.2 27.2
125 10.1 9.0 13.6



#90
Benzo(a)pyrene
Concen: 3.613 ng
RT: 15.795 min Scan# 2203
Delta R.T. -0.012 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

Tgt Ion:252 Resp: 94967
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 12.5 10.2 15.4

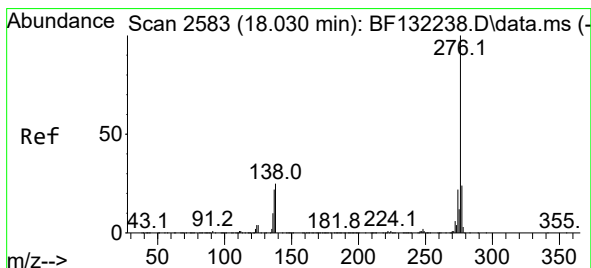
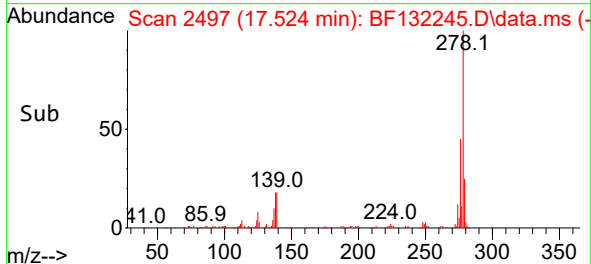
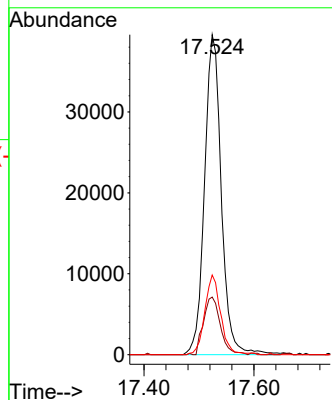
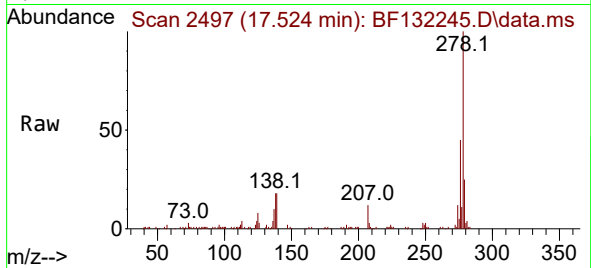




#91
Dibenzo(a,h)anthracene
Concen: 3.537 ng
RT: 17.524 min Scan# 2497
Delta R.T. -0.024 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022

Tgt Ion:278 Resp: 83906
Ion Ratio Lower Upper
278 100
139 18.0 14.2 21.2
279 24.9 19.6 29.4



#92
Benzo(g,h,i)perylene
Concen: 3.429 ng
RT: 18.001 min Scan# 2578
Delta R.T. -0.030 min
Lab File: BF132245.D
Acq: 31 Jan 2023 23:25

Tgt Ion:276 Resp: 84050
Ion Ratio Lower Upper
276 100
277 25.4 19.4 29.2
138 25.5 20.3 30.5

