

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120523\
 Data File : BF136413.D
 Acq On : 05 Dec 2023 18:45
 Operator : CG\JU
 Sample : 05047-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Quant Time: Dec 05 19:04:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 05 18:10:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	99781	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	408735	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	215437	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	391438	20.000	ng	0.00
76) Chrysene-d12	13.974	240	165620	20.000	ng	0.00
86) Perylene-d12	15.451	264	190333	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	775927	114.842	ng	0.00
7) Phenol-d6	6.445	99	1038195	123.159	ng	0.00
23) Nitrobenzene-d5	7.363	82	652985	86.366	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	331608	124.836	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1390019	88.039	ng	0.00
79) Terphenyl-d14	12.921	244	1595593	126.981	ng	0.00
Target Compounds						Qvalue
6) Aniline	6.545	93	977571	114.749	ng	# 55
9) Benzaldehyde	6.357	77	336	Below Cal		# 76
11) bis(2-Chloroethyl)ether	6.545	93	977571	146.210	ng	99
12) 1,3-Dichlorobenzene	6.822	146	933185	112.498	ng	97
13) 1,4-Dichlorobenzene	6.822	146	933185	110.900	ng	97
14) 1,2-Dichlorobenzene	6.969	146	742217	93.800	ng	98
18) Hexachloroethane	7.310	117	344714	117.336	ng	99
25) Isophorone	7.628	82	2519198	185.459	ng	99
26) 2-Nitrophenol	7.704	139	568996	152.171	ng	98
27) 2,4-Dimethylphenol	7.704	122	37613	8.158	ng	# 9
28) bis(2-Chloroethoxy)met...	7.845	93	1611826	193.106	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	500053	70.466	ng	98
31) Naphthalene	8.110	128	3630324	161.061	ng	98
33) 4-Chloroaniline	8.110	127	531139	66.097	ng	# 46
34) Hexachlorobutadiene	8.216	225	260741	61.998	ng	97
35) Caprolactam	8.639	113	37144	19.819	ng	# 14
36) 4-Chloro-3-methylphenol	8.639	107	1321537	204.516	ng	98
37) 2-Methylnaphthalene	8.798	142	1932266	134.749	ng	99
38) 1-Methylnaphthalene	8.798	142	1932242	137.318	ng	99
43) 2,4,6-Trichlorophenol	9.110	196	719910	164.958	ng	96
44) 2,4,5-Trichlorophenol	9.110	196	719910	147.798	ng	97
48) 2-Nitroaniline	9.281	65	20179	5.273	ng	# 11
49) Acenaphthylene	9.698	152	1375324	67.667	ng	100
51) 2,6-Dinitrotoluene	9.633	165	431178	120.834	ng	99
52) Acenaphthene	9.875	154	760330	58.389	ng	99
55) Dibenzofuran	10.045	168	937365	49.265	ng	99
56) 4-Nitrophenol	10.045	139	359897	131.752	ng	# 14
57) 2,4-Dinitrotoluene	10.045	165	1003306	212.544	ng	96
58) Fluorene	10.392	166	983068	64.364	ng	97
59) 2,3,4,6-Tetrachlorophenol	10.163	232	10062	2.579	ng	# 73
60) Diethylphthalate	10.275	149	2435122	156.129	ng	99
61) 4-Chlorophenyl-phenyle...	10.386	204	565698	75.976	ng	96
62) 4-Nitroaniline	10.392	138	14223	3.931	ng	# 27
63) Azobenzene	10.386	77	213173	15.016	ng	# 40
66) n-Nitrosodiphenylamine	10.386	169	61022	4.858	ng	# 39
67) 4-Bromophenyl-phenylether	10.875	248	399241	87.724	ng	98

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

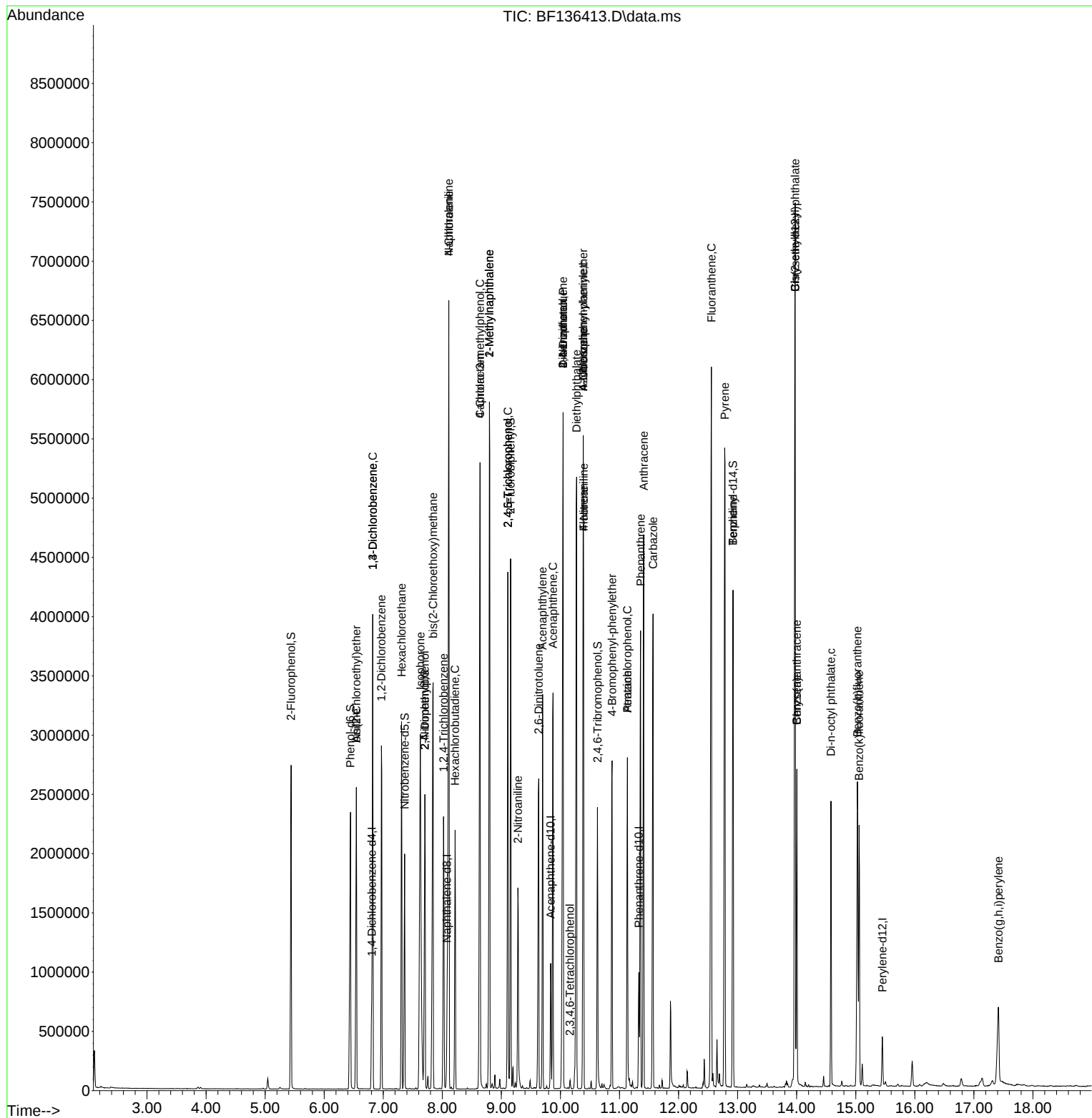
69) Atrazine	11.133	200	65852	18.369	ng	# 37
70) Pentachlorophenol	11.133	266	350071	117.922	ng	98
71) Phenanthrene	11.357	178	1514933	70.412	ng	100
72) Anthracene	11.410	178	1855268	85.613	ng	99
73) Carbazole	11.569	167	1744064	90.931	ng	99
75) Fluoranthene	12.557	202	3100425	137.511	ng	99
77) Benzidine	12.921	184	18729	6.060	ng	# 90
78) Pyrene	12.786	202	2860694	176.366	ng	99
81) Benzo(a)anthracene	14.004	228	991033	85.904	ng	96
83) Chrysene	14.004	228	991033	87.313	ng	99
84) Bis(2-ethylhexyl)phtha...	13.974	149	2485366	351.115	ng	99
85) Di-n-octyl phthalate	14.580	149	1114239	106.568	ng	99
88) Benzo(b)fluoranthene	15.027	252	1539676	118.313	ng	99
89) Benzo(k)fluoranthene	15.057	252	881752	71.897	ng	99
92) Benzo(g,h,i)perylene	17.415	276	565626	50.872	ng	99

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

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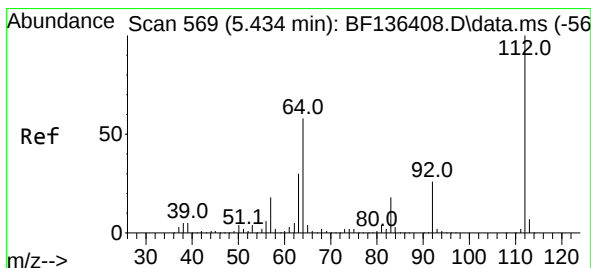
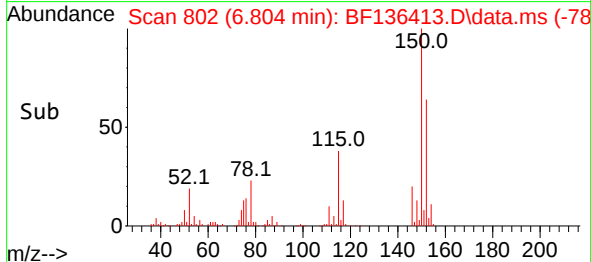
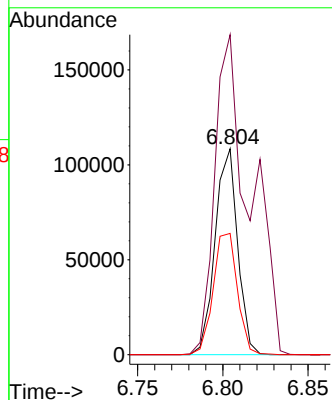
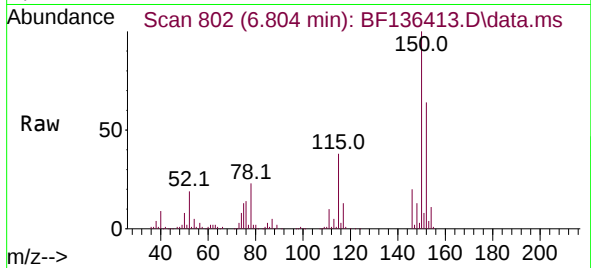




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF136413.D
Acq: 05 Dec 2023 18:45

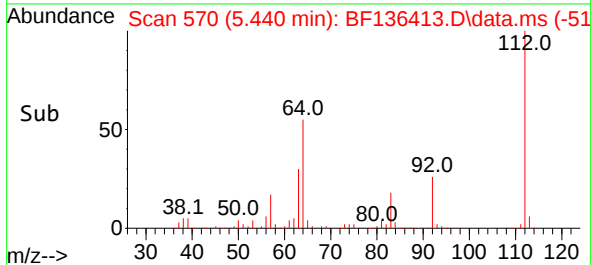
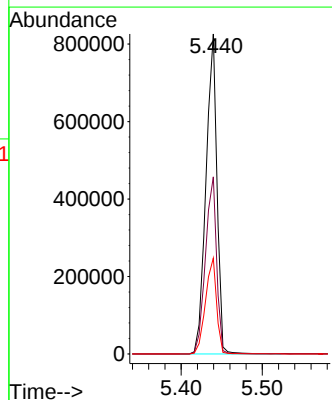
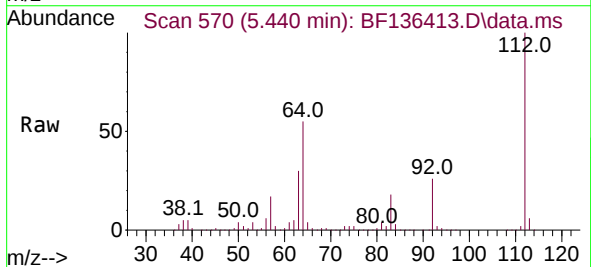
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

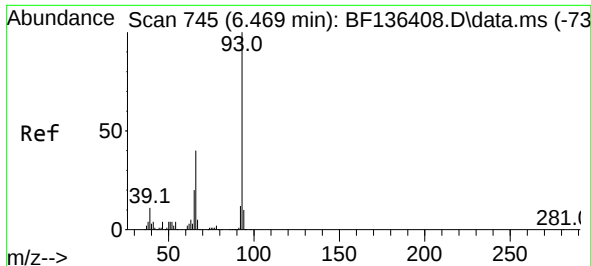
Tgt Ion:152 Resp: 99781
Ion Ratio Lower Upper
152 100
150 155.4 126.4 189.6
115 58.9 48.2 72.4



#5
2-Fluorophenol
Concen: 114.842 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.006 min
Lab File: BF136413.D
Acq: 05 Dec 2023 18:45

Tgt Ion:112 Resp: 775927
Ion Ratio Lower Upper
112 100
64 55.4 46.5 69.7
63 30.0 23.9 35.9

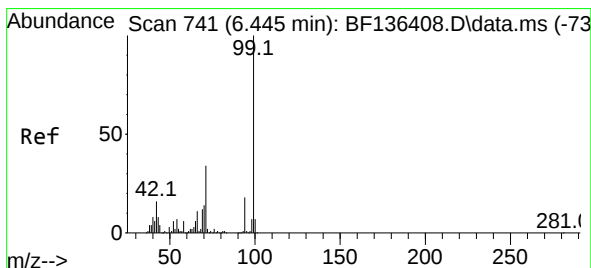
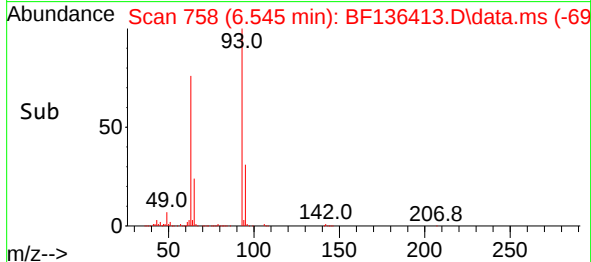
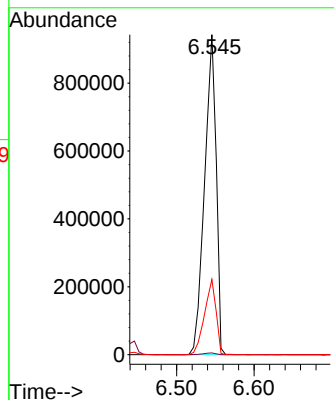
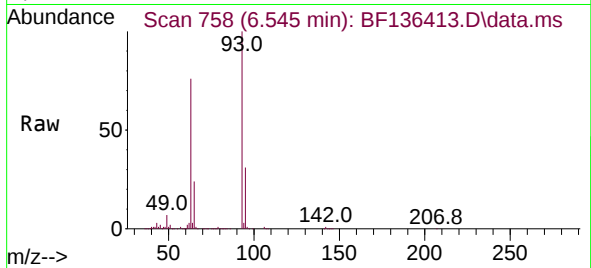




#6
Aniline
Concen: 114.749 ng
RT: 6.545 min Scan# 745
Delta R.T. 0.076 min
Lab File: BF136413.D
Acq: 05 Dec 2023 18:45

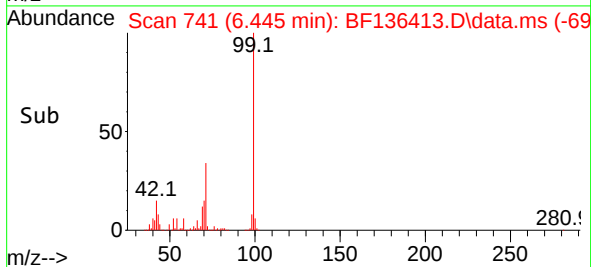
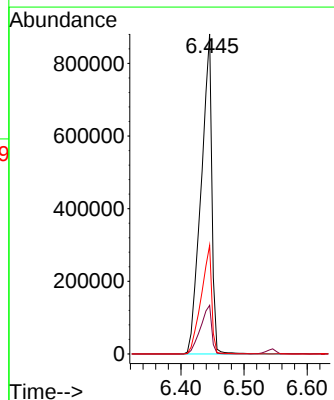
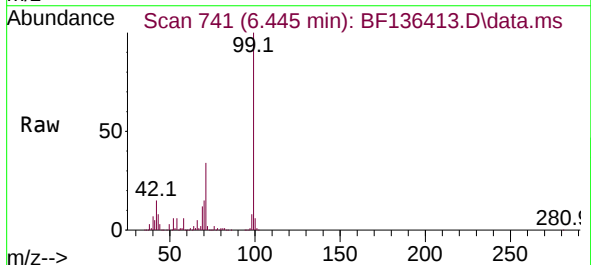
Instrument :
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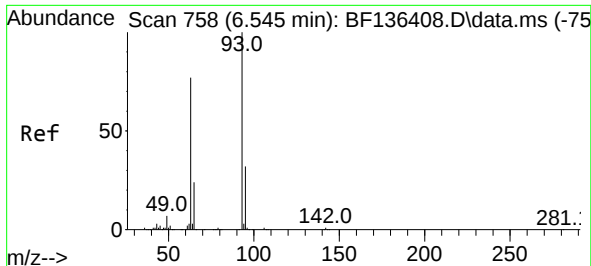
Tgt Ion: 93 Resp: 977571
Ion Ratio Lower Upper
93 100
66 0.5 32.5 48.7#
65 23.5 16.4 24.6



#7
Phenol-d6
Concen: 123.159 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF136413.D
Acq: 05 Dec 2023 18:45

Tgt Ion: 99 Resp: 1038195
Ion Ratio Lower Upper
99 100
42 15.2 12.8 19.2
71 34.0 27.0 40.4

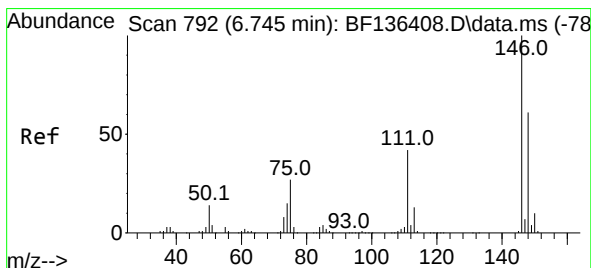
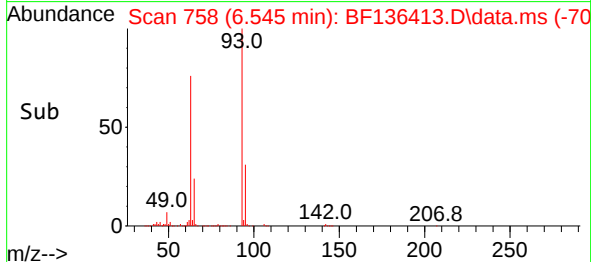
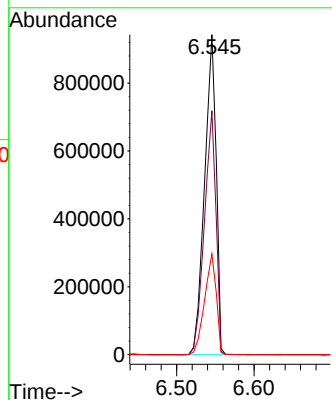
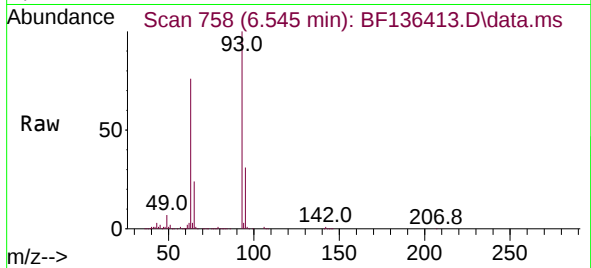




#11
bis(2-Chloroethyl)ether
Concen: 146.210 ng
RT: 6.545 min Scan# 70
Delta R.T. -0.000 min
Lab File: BF136413.D
Acq: 05 Dec 2023 18:45

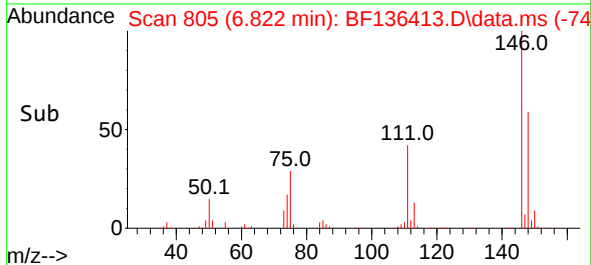
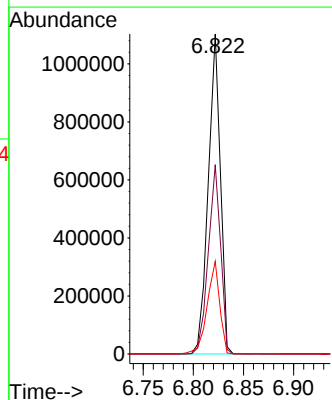
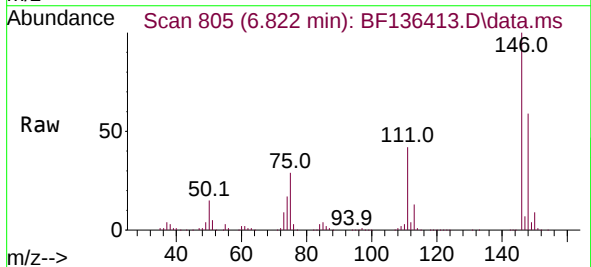
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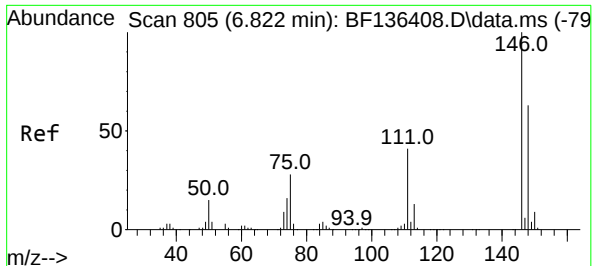
Tgt Ion: 93 Resp: 977571
Ion Ratio Lower Upper
93 100
63 76.2 56.8 96.8
95 31.5 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 112.498 ng
RT: 6.822 min Scan# 805
Delta R.T. 0.076 min
Lab File: BF136413.D
Acq: 05 Dec 2023 18:45

Tgt Ion:146 Resp: 933185
Ion Ratio Lower Upper
146 100
148 59.1 49.0 73.6
75 29.0 21.8 32.6





#13

1,4-Dichlorobenzene

Concen: 110.900 ng

RT: 6.822 min Scan# 80

Delta R.T. -0.000 min

Lab File: BF136413.D

Acq: 05 Dec 2023 18:45

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

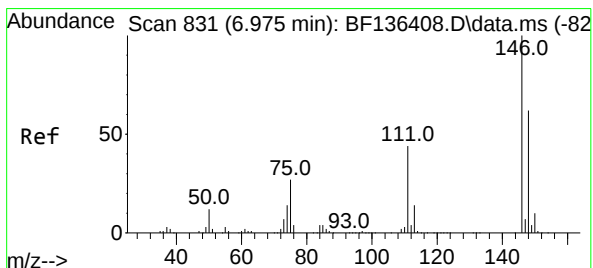
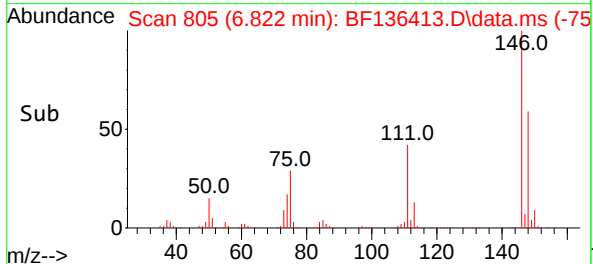
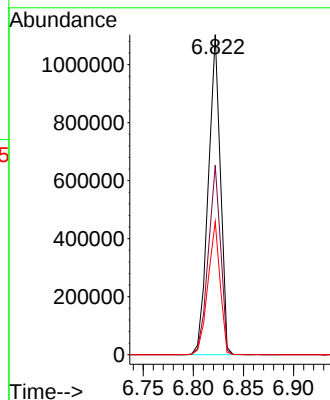
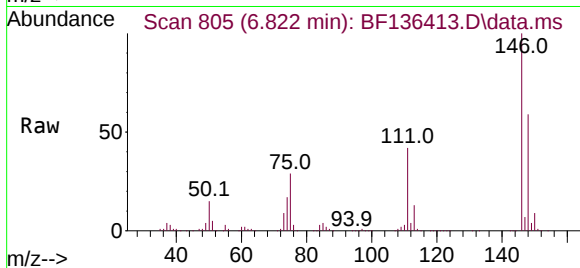
Tgt Ion:146 Resp: 933185

Ion Ratio Lower Upper

146 100

148 59.1 50.3 75.5

111 41.6 32.6 49.0



#14

1,2-Dichlorobenzene

Concen: 93.800 ng

RT: 6.969 min Scan# 830

Delta R.T. -0.006 min

Lab File: BF136413.D

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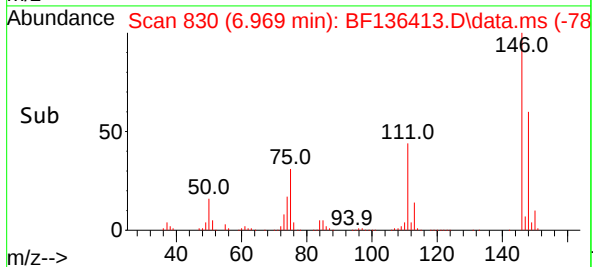
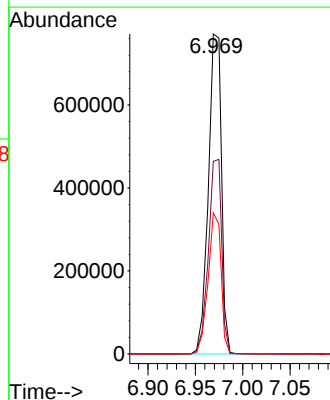
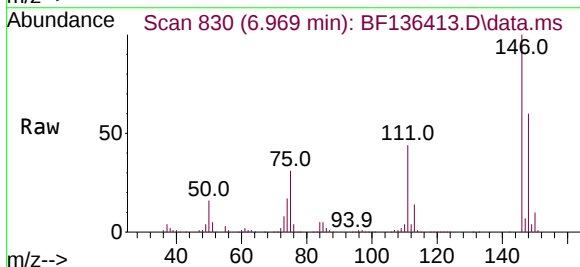
Tgt Ion:146 Resp: 742217

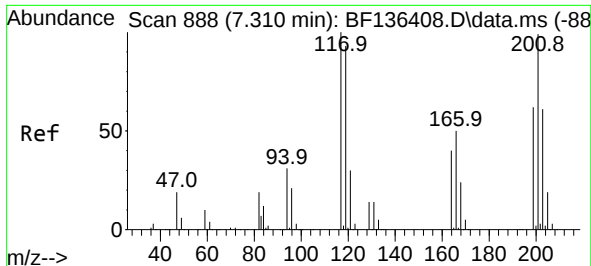
Ion Ratio Lower Upper

146 100

148 60.2 49.8 74.6

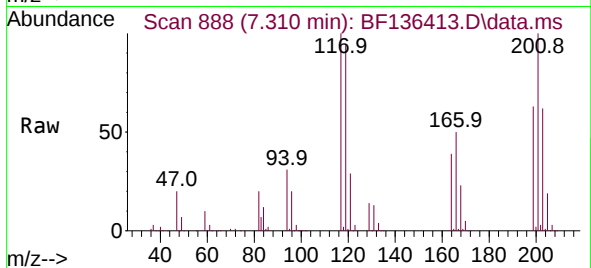
111 44.1 34.9 52.3



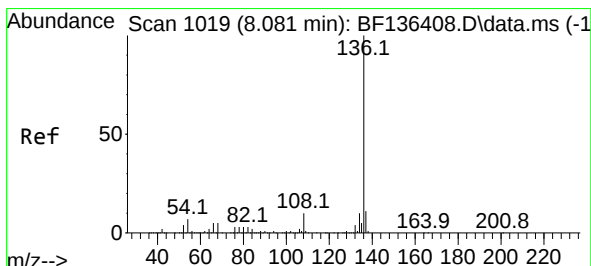
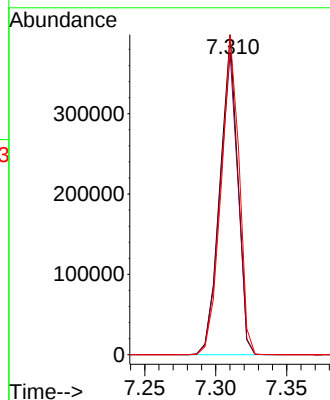
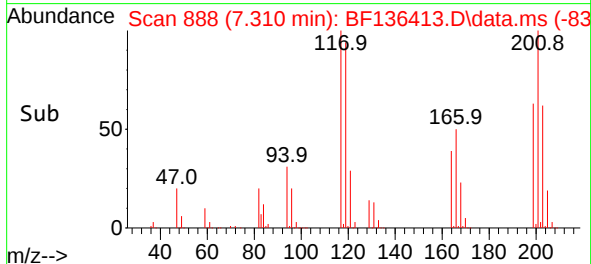


#18
Hexachloroethane
Concen: 117.336 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.000 min
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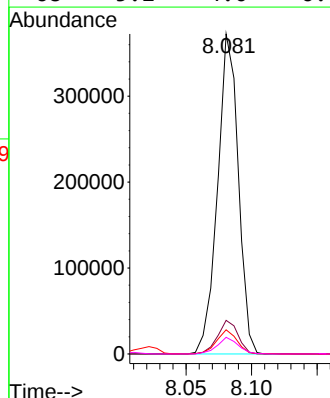
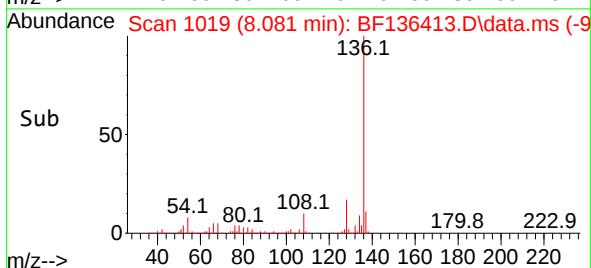
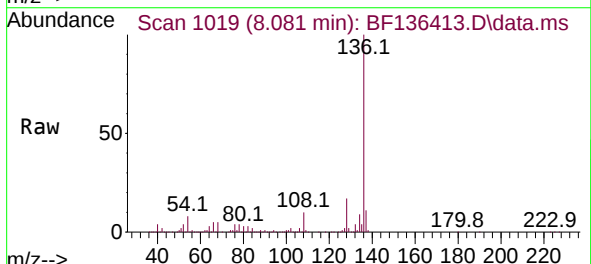


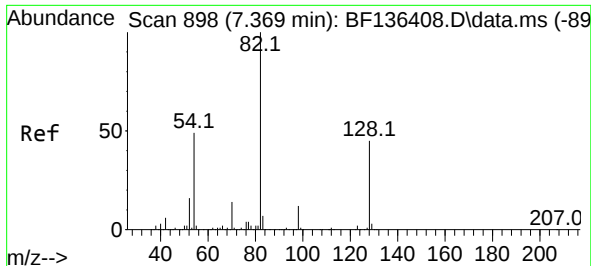
Tgt Ion:117 Resp: 344714
Ion Ratio Lower Upper
117 100
119 94.2 74.3 111.5
201 99.9 79.3 118.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF136413.D
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Tgt Ion:136 Resp: 408735
Ion Ratio Lower Upper
136 100
137 10.5 8.6 12.8
54 7.5 5.7 8.5
68 5.2 4.0 6.0





#23

Nitrobenzene-d5

Concen: 86.366 ng

RT: 7.363 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF136413.D

Acq: 05 Dec 2023 18:45

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BNA_F

ClientSampleId :

PT-BNA-SOIL

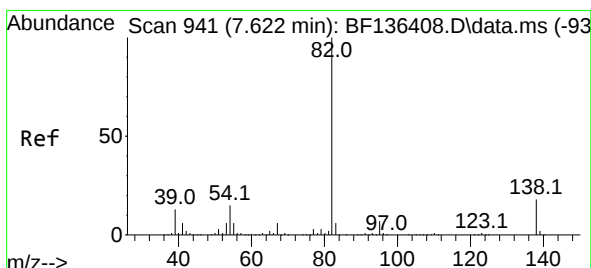
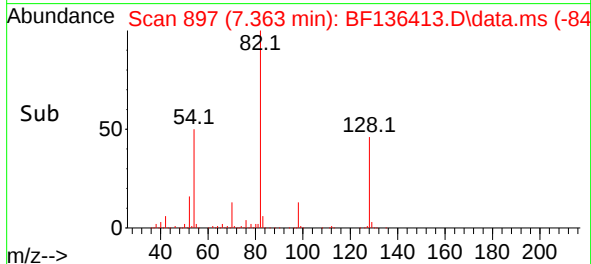
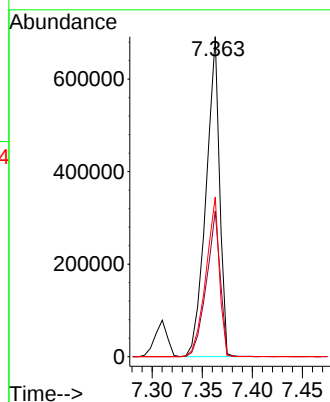
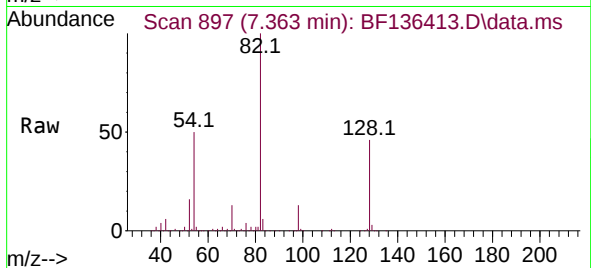
Tgt Ion: 82 Resp: 652985

Ion Ratio Lower Upper

82 100

128 45.5 36.3 54.5

54 49.9 39.0 58.6



#25

Isophorone

Concen: 185.459 ng

RT: 7.628 min Scan# 942

Delta R.T. 0.006 min

Lab File: BF136413.D

Acq: 05 Dec 2023 18:45

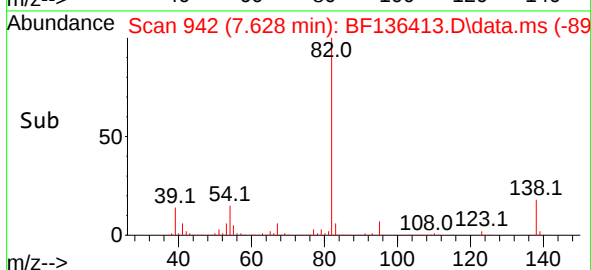
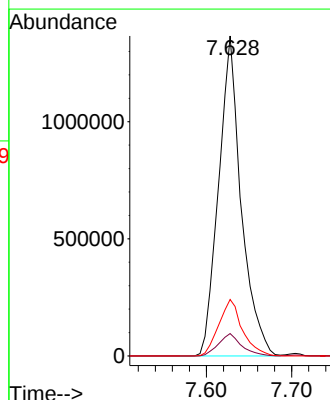
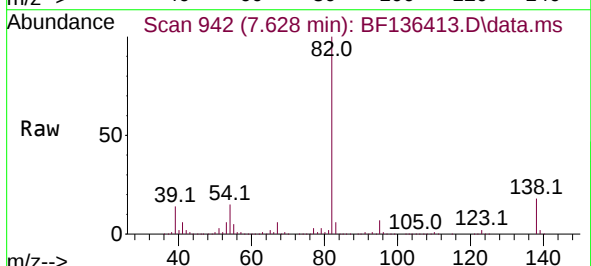
Tgt Ion: 82 Resp: 2519198

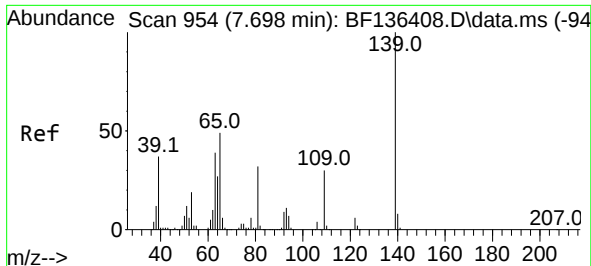
Ion Ratio Lower Upper

82 100

95 7.0 5.7 8.5

138 17.6 14.5 21.7

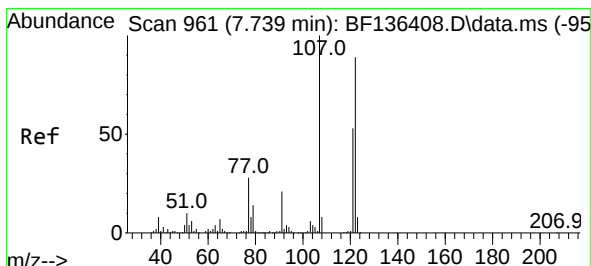
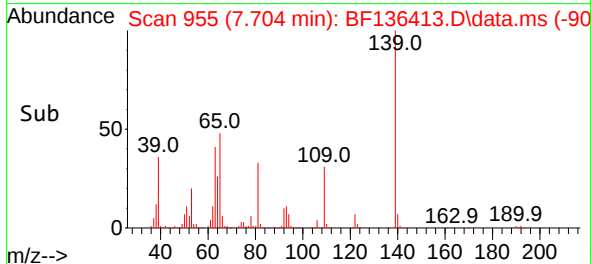
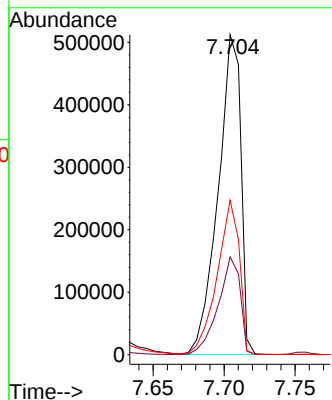
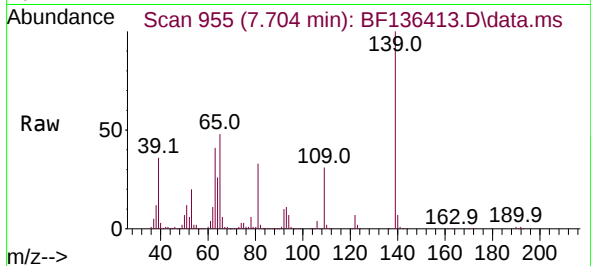




#26
2-Nitrophenol
Concen: 152.171 ng
RT: 7.704 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF136413.D
Acq: 05 Dec 2023 18:45

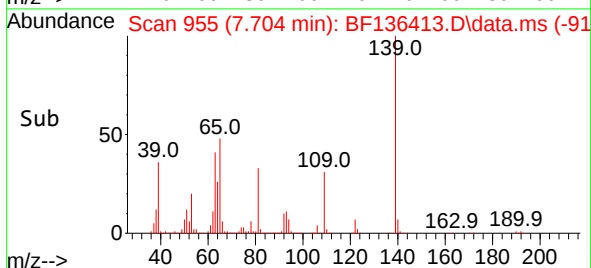
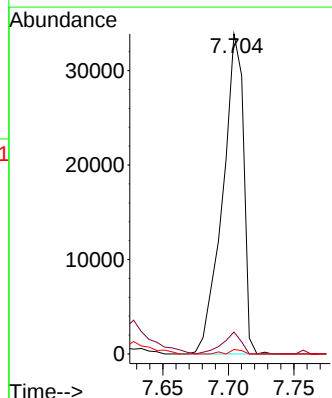
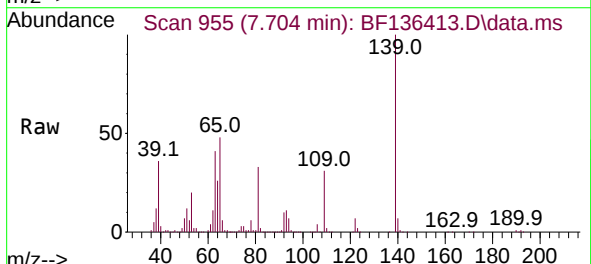
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

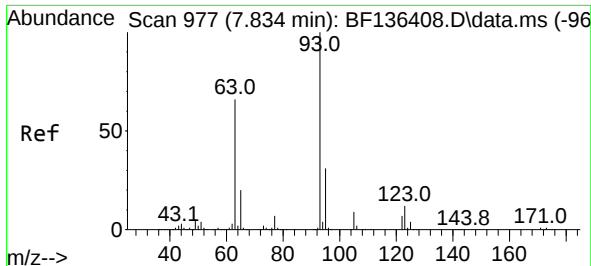
Tgt Ion:139 Resp: 568996
Ion Ratio Lower Upper
139 100
109 30.5 23.6 35.4
65 48.2 39.4 59.2



#27
2,4-Dimethylphenol
Concen: 8.158 ng
RT: 7.704 min Scan# 955
Delta R.T. -0.035 min
Lab File: BF136413.D
Acq: 05 Dec 2023 18:45

Tgt Ion:122 Resp: 37613
Ion Ratio Lower Upper
122 100
107 6.9 89.3 133.9#
121 1.4 47.6 71.4#





#28

bis(2-Chloroethoxy)methane

Concen: 193.106 ng

RT: 7.845 min Scan# 91

Delta R.T. 0.012 min

Lab File: BF136413.D

Acq: 05 Dec 2023 18:45

Instrument :

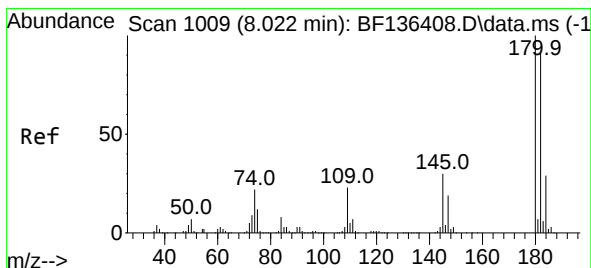
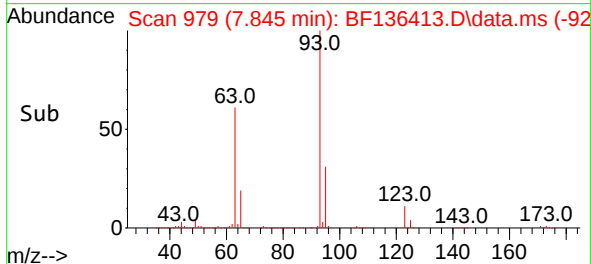
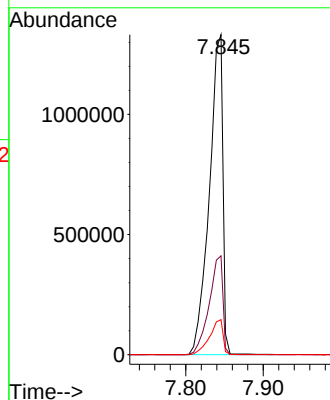
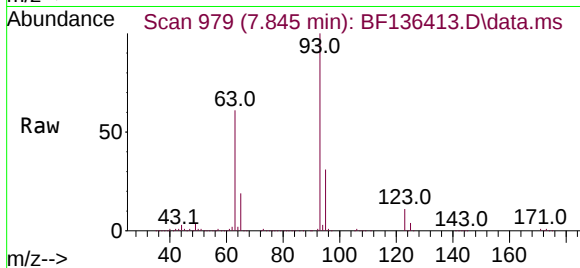
BNA_F

ClientSampleId :

PT-BNA-SOIL

Tgt Ion: 93 Resp: 1611826

Ion	Ratio	Lower	Upper
93	100		
95	30.9	25.0	37.4
123	10.9	9.4	14.0



#30

1,2,4-Trichlorobenzene

Concen: 70.466 ng

RT: 8.022 min Scan# 1009

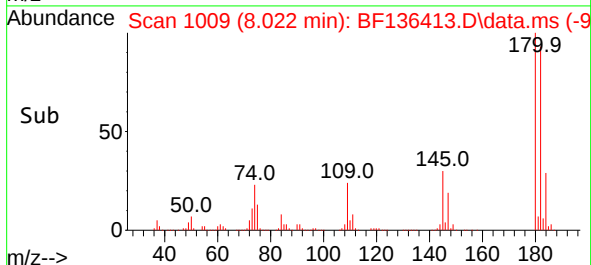
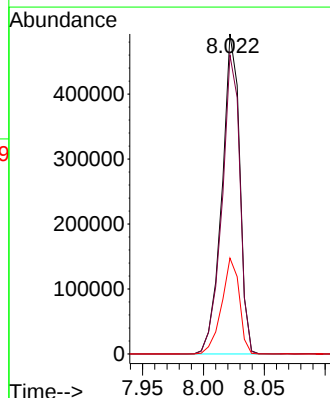
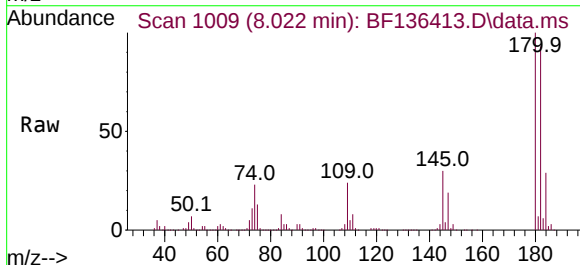
Delta R.T. -0.000 min

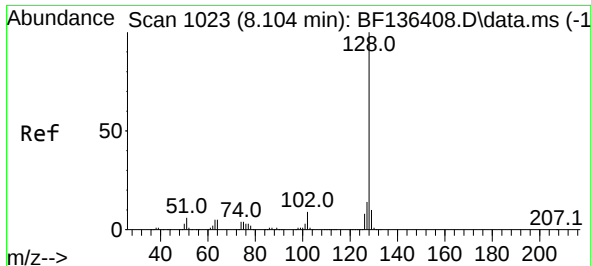
Lab File: BF136413.D

Acq: 05 Dec 2023 18:45

Tgt Ion:180 Resp: 500053

Ion	Ratio	Lower	Upper
180	100		
182	93.4	73.1	109.7
145	30.0	23.8	35.8

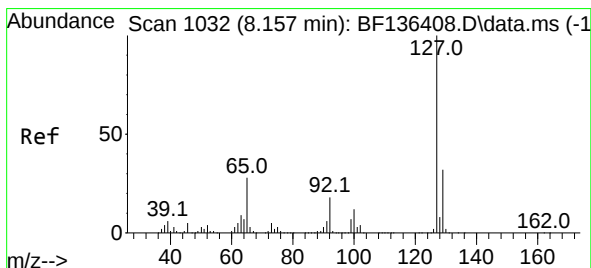
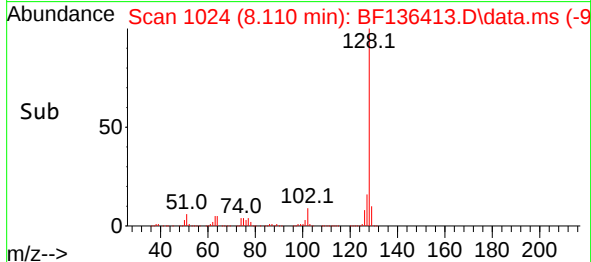
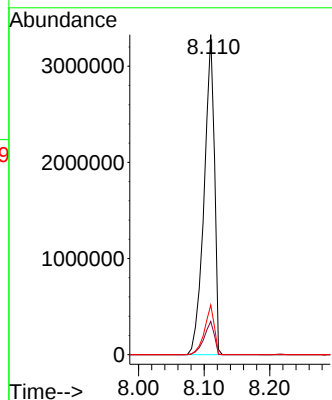
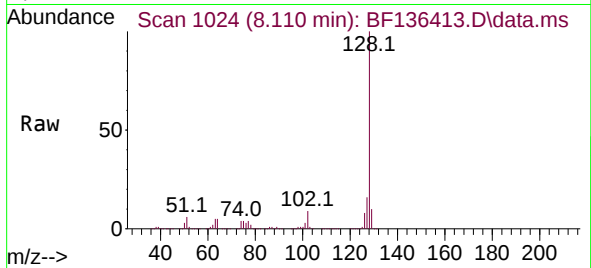




#31
Naphthalene
Concen: 161.061 ng
RT: 8.110 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF136413.D
Acq: 05 Dec 2023 18:45

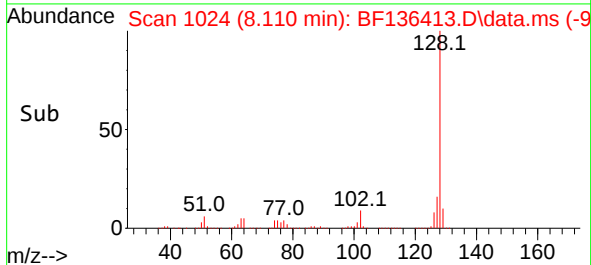
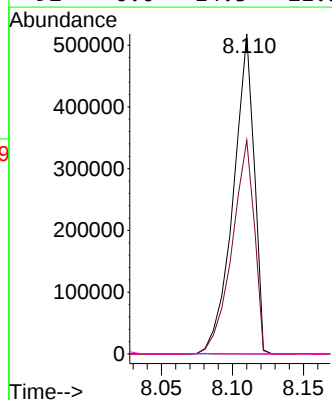
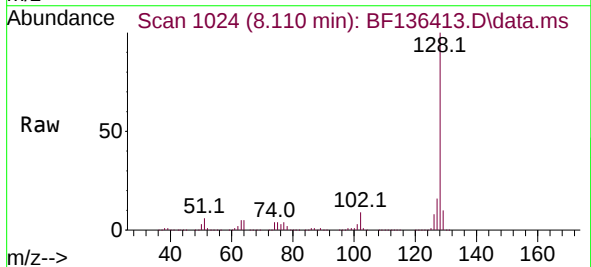
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

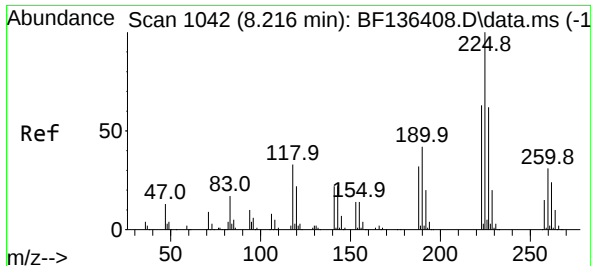
Tgt Ion:128 Resp: 3630324
Ion Ratio Lower Upper
128 100
129 10.4 8.3 12.5
127 15.6 11.1 16.7



#33
4-Chloroaniline
Concen: 66.097 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.047 min
Lab File: BF136413.D
Acq: 05 Dec 2023 18:45

Tgt Ion:127 Resp: 531139
Ion Ratio Lower Upper
127 100
129 66.8 25.4 38.2#
65 0.0 22.5 33.7#
92 0.0 14.3 21.5#

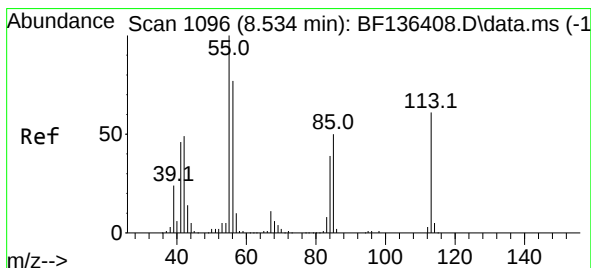
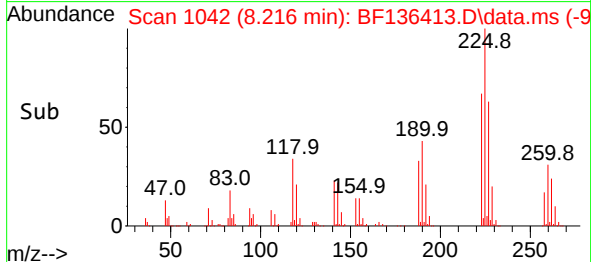
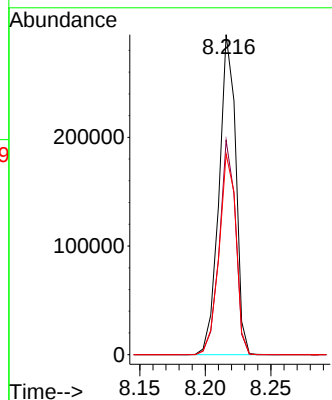
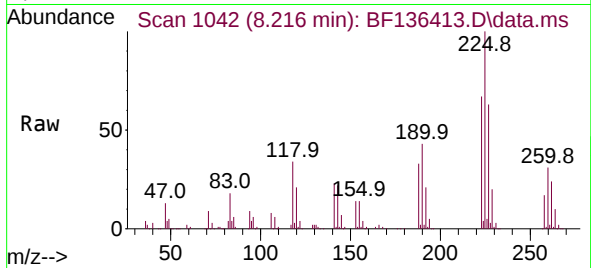




#34
Hexachlorobutadiene
Concen: 61.998 ng
RT: 8.216 min Scan# 1104
Delta R.T. -0.000 min
Lab File: BF136413.D
Acq: 05 Dec 2023 18:45

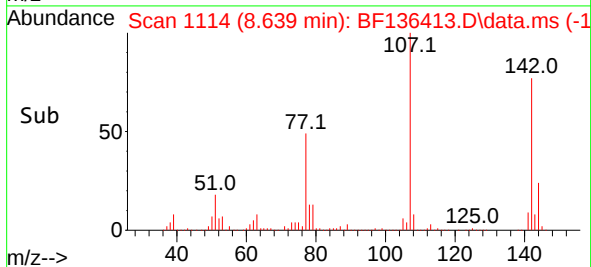
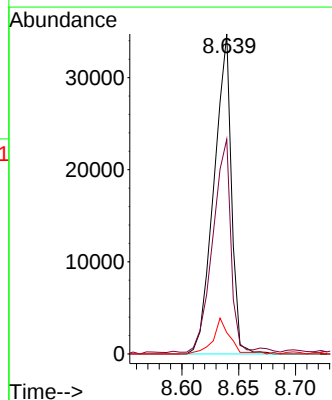
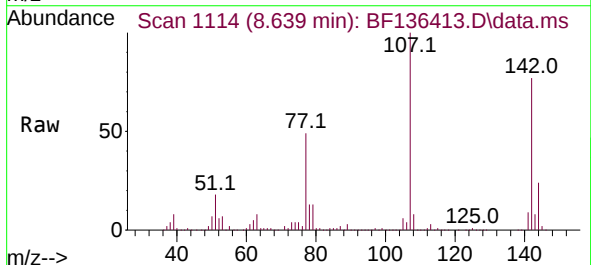
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

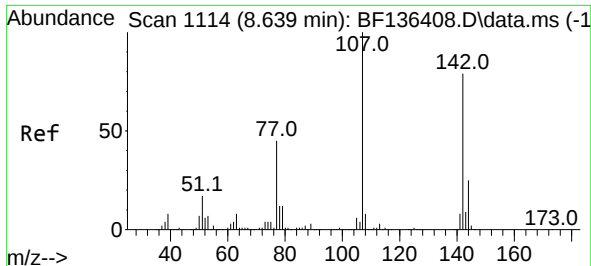
Tgt Ion:225 Resp: 260741
Ion Ratio Lower Upper
225 100
223 67.0 50.8 76.2
227 62.7 49.8 74.8



#35
Caprolactam
Concen: 19.819 ng
RT: 8.639 min Scan# 1114
Delta R.T. 0.106 min
Lab File: BF136413.D
Acq: 05 Dec 2023 18:45

Tgt Ion:113 Resp: 37144
Ion Ratio Lower Upper
113 100
55 67.1 143.7 183.7#
56 6.7 105.2 145.2#

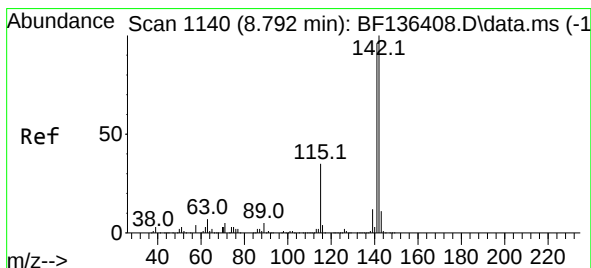
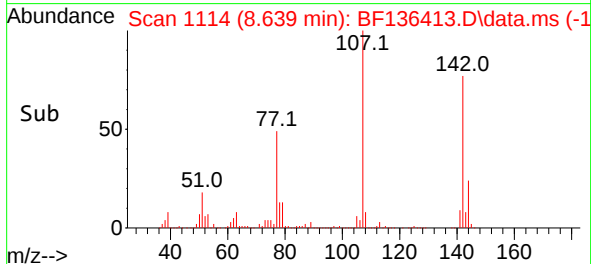
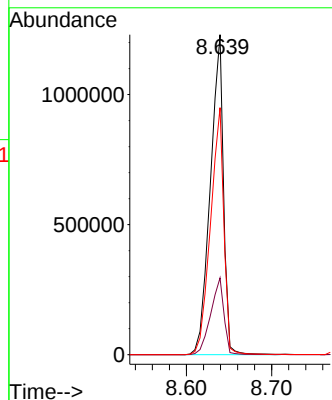
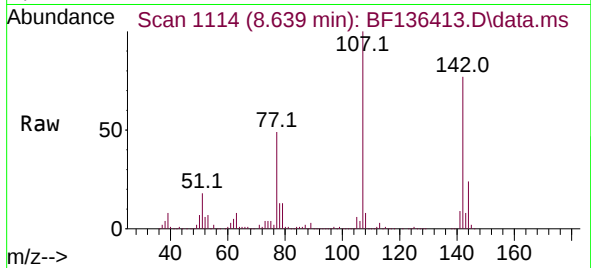




#36
4-Chloro-3-methylphenol
Concen: 204.516 ng
RT: 8.639 min Scan# 1114
Delta R.T. -0.000 min
Lab File: BF136413.D
Acq: 05 Dec 2023 18:45

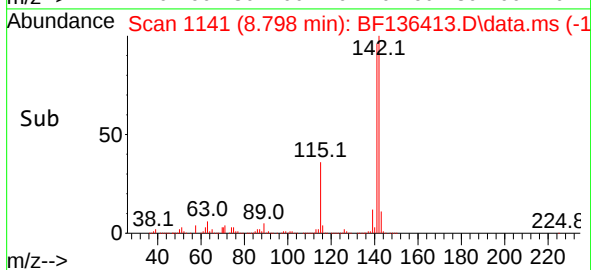
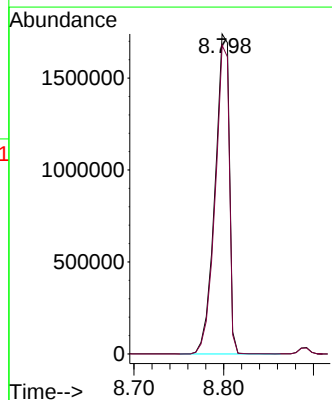
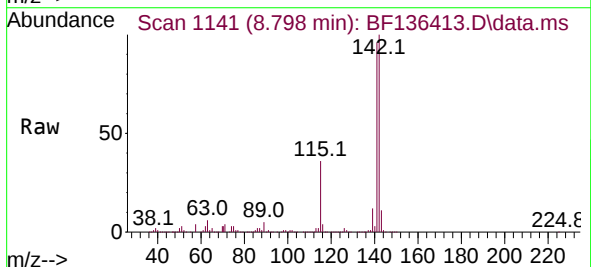
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

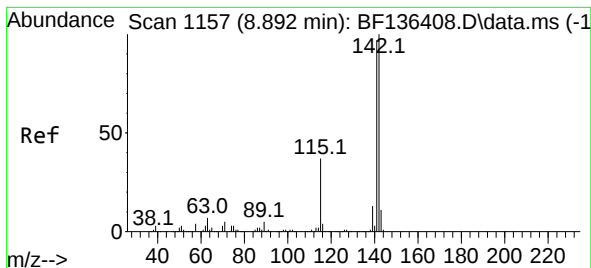
Tgt Ion:107 Resp: 1321537
Ion Ratio Lower Upper
107 100
144 24.0 20.1 30.1
142 77.2 63.1 94.7



#37
2-Methylnaphthalene
Concen: 134.749 ng
RT: 8.798 min Scan# 1141
Delta R.T. 0.006 min
Lab File: BF136413.D
Acq: 05 Dec 2023 18:45

Tgt Ion:142 Resp: 1932266
Ion Ratio Lower Upper
142 100
141 96.4 76.4 114.6





#38

1-Methylnaphthalene

Concen: 137.318 ng

RT: 8.798 min Scan# 1141

Delta R.T. -0.094 min

Lab File: BF136413.D

Acq: 05 Dec 2023 18:45

Instrument :

BNA_F

ClientSampleId :

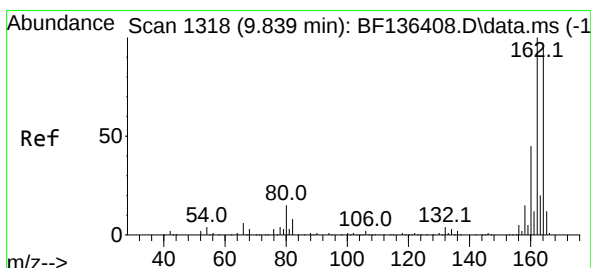
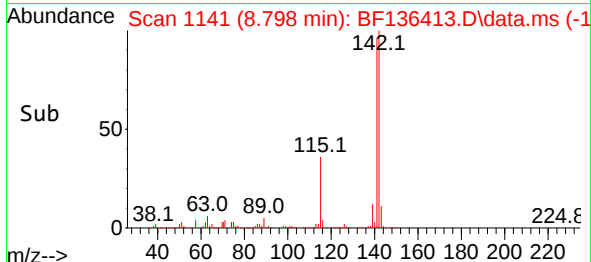
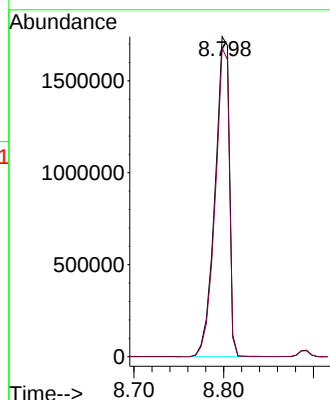
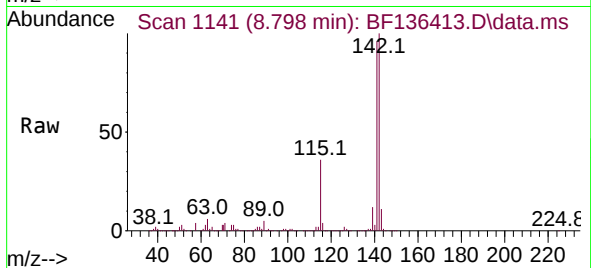
PT-BNA-SOIL

Tgt Ion:142 Resp: 1932242

Ion Ratio Lower Upper

142 100

141 96.4 77.7 116.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 1317

Delta R.T. -0.006 min

Lab File: BF136413.D

Acq: 05 Dec 2023 18:45

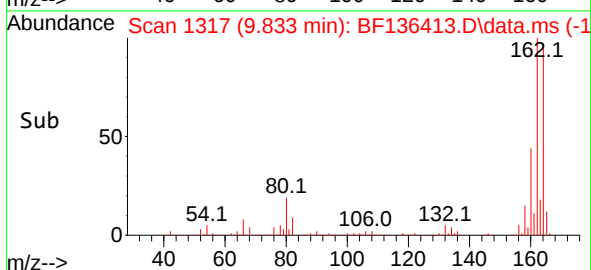
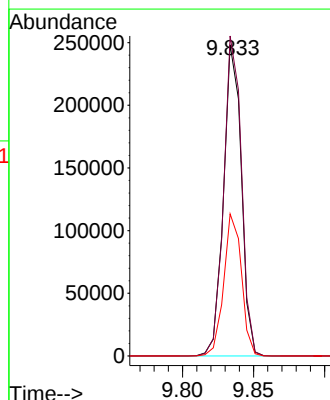
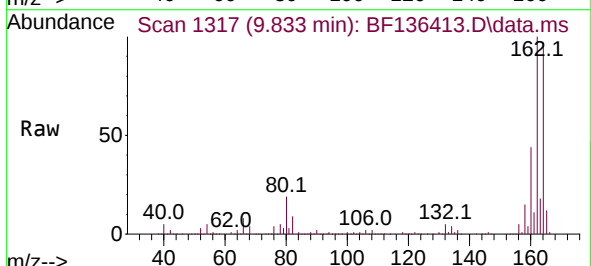
Tgt Ion:164 Resp: 215437

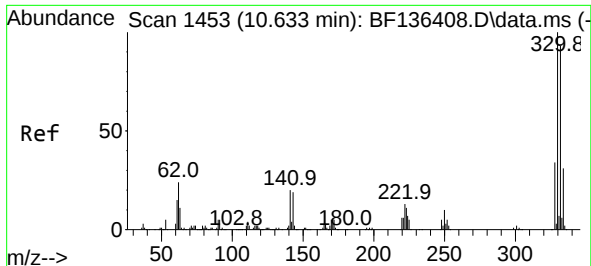
Ion Ratio Lower Upper

164 100

162 102.8 84.4 126.6

160 45.6 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 124.836 ng

RT: 10.628 min Scan# 1452

Delta R.T. -0.006 min

Lab File: BF136413.D

Acq: 05 Dec 2023 18:45

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

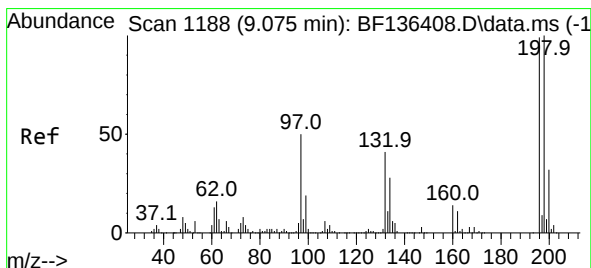
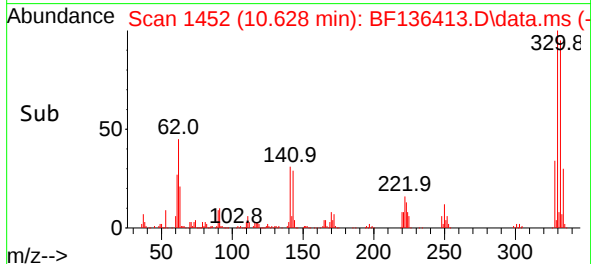
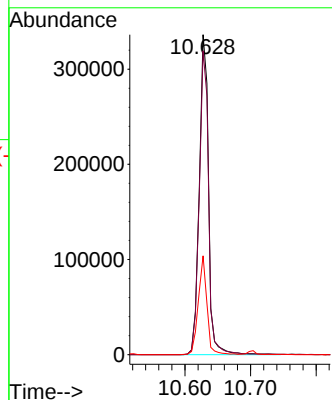
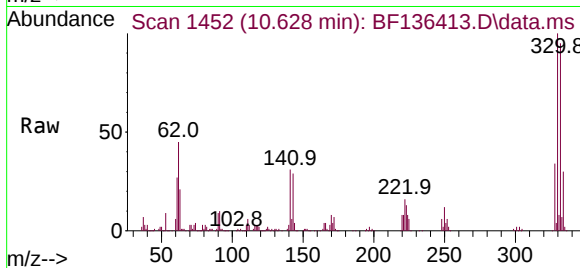
Tgt Ion:330 Resp: 331608

Ion Ratio Lower Upper

330 100

332 95.5 76.4 114.6

141 28.8 23.4 35.2



#43

2,4,6-Trichlorophenol

Concen: 164.958 ng

RT: 9.110 min Scan# 1194

Delta R.T. 0.035 min

Lab File: BF136413.D

Acq: 05 Dec 2023 18:45

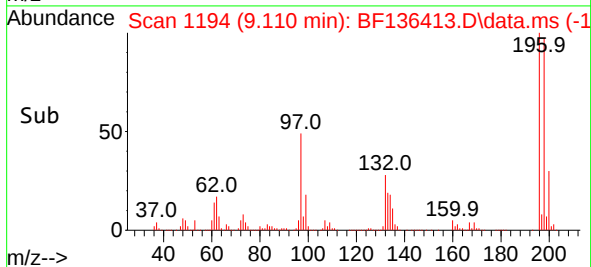
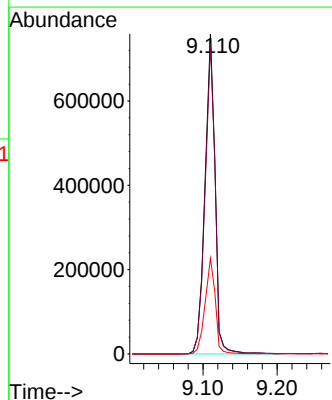
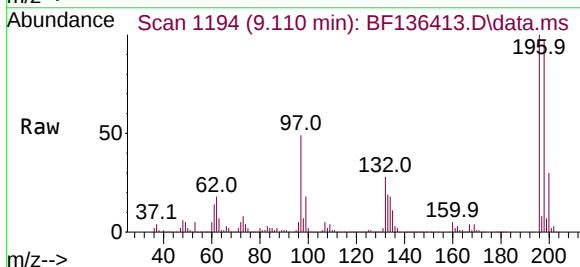
Tgt Ion:196 Resp: 719910

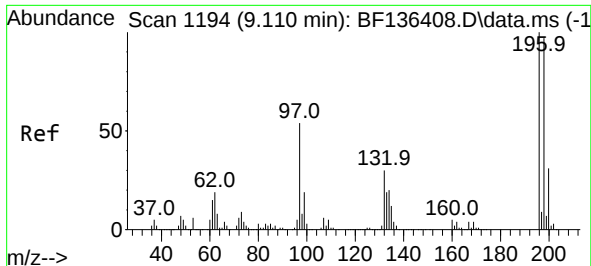
Ion Ratio Lower Upper

196 100

198 97.0 80.4 120.6

200 29.9 25.9 38.9

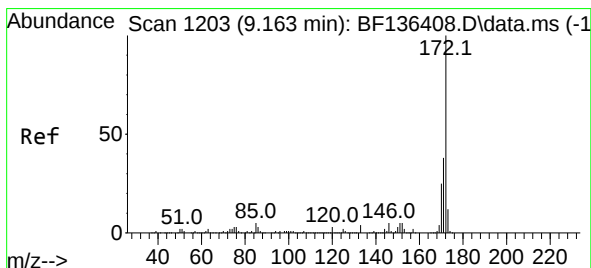
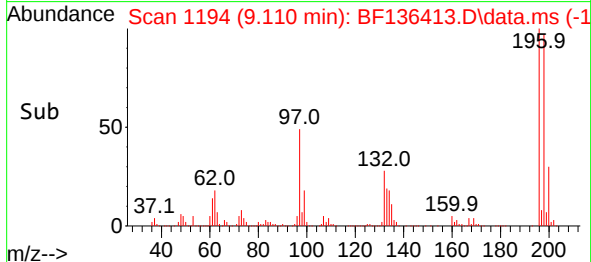
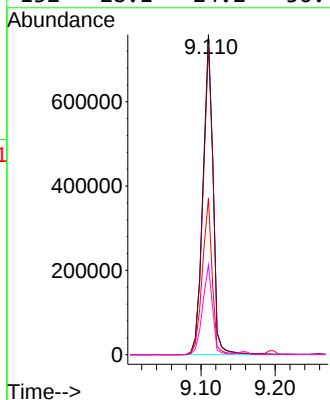
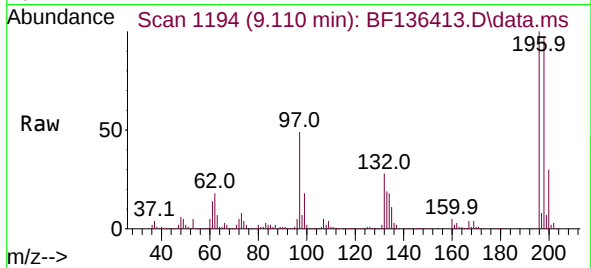




#44
2,4,5-Trichlorophenol
Concen: 147.798 ng
RT: 9.110 min Scan# 1194
Delta R.T. -0.000 min
Lab File: BF136413.D
Acq: 05 Dec 2023 18:45

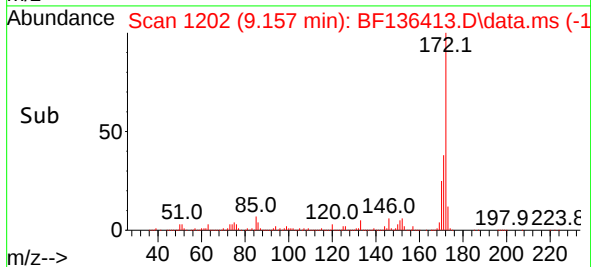
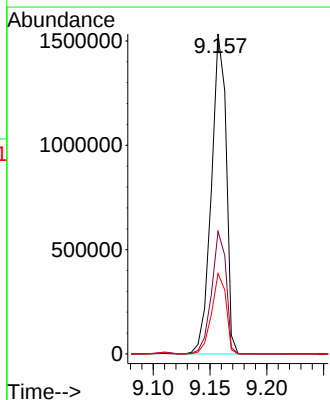
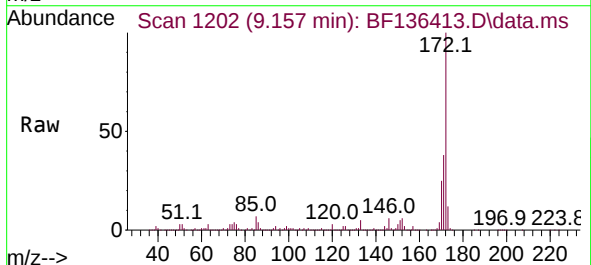
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

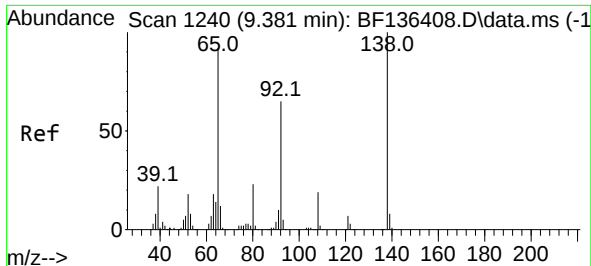
Tgt Ion:196	Resp: 719910
Ion Ratio	Lower Upper
196	100
198	97.0 78.1 117.1
97	48.9 43.4 65.2
132	28.1 24.2 36.4



#45
2-Fluorobiphenyl
Concen: 88.039 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF136413.D
Acq: 05 Dec 2023 18:45

Tgt Ion:172	Resp: 1390019
Ion Ratio	Lower Upper
172	100
171	38.3 30.5 45.7
170	25.1 19.9 29.9





#48

2-Nitroaniline

Concen: 5.273 ng

RT: 9.281 min Scan# 11

Delta R.T. -0.100 min

Lab File: BF136413.D

Acq: 05 Dec 2023 18:45

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

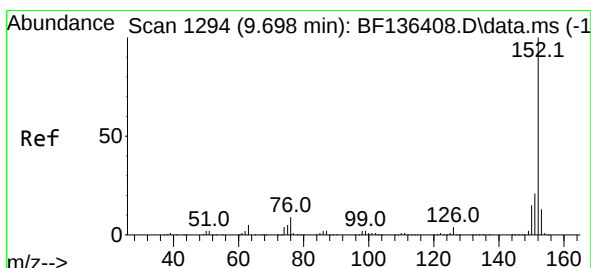
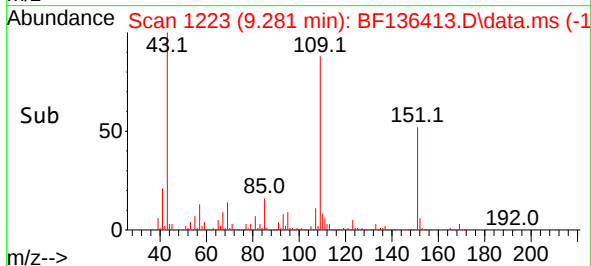
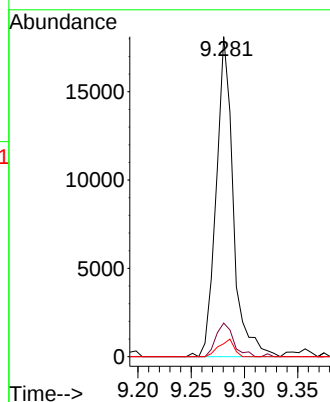
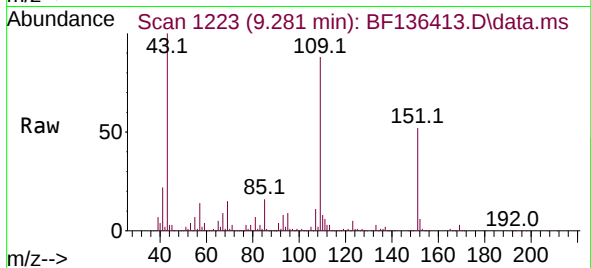
Tgt Ion: 65 Resp: 20179

Ion Ratio Lower Upper

65 100

92 10.5 56.1 84.1#

138 4.1 86.7 130.1#



#49

Acenaphthylene

Concen: 67.667 ng

RT: 9.698 min Scan# 1294

Delta R.T. -0.000 min

Lab File: BF136413.D

Acq: 05 Dec 2023 18:45

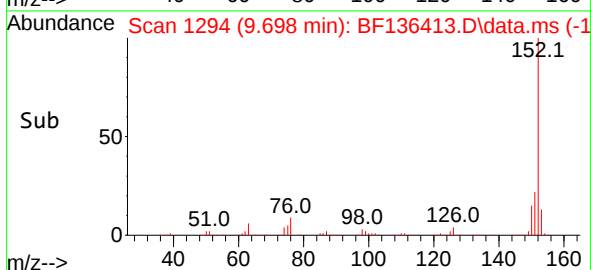
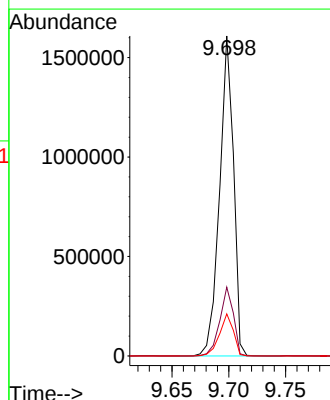
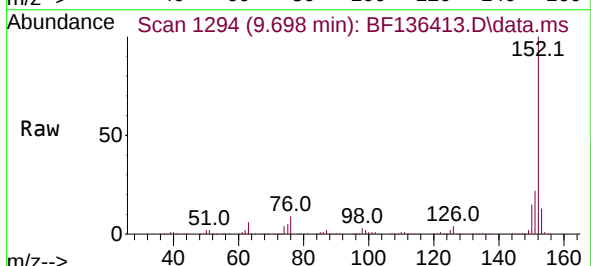
Tgt Ion: 152 Resp: 1375324

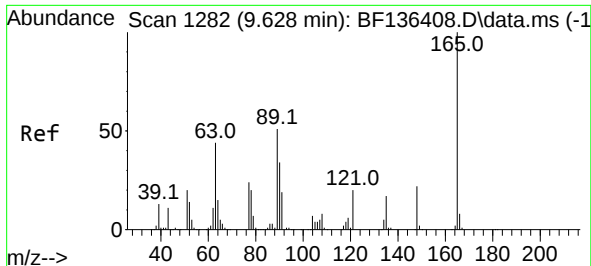
Ion Ratio Lower Upper

152 100

151 21.5 17.2 25.8

153 13.1 10.6 15.8

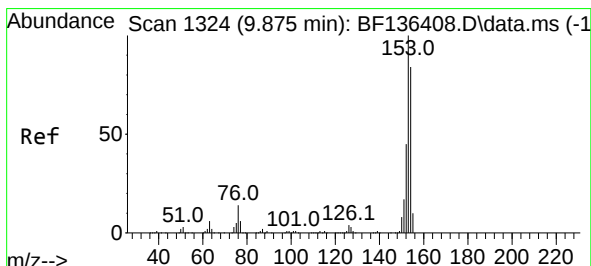
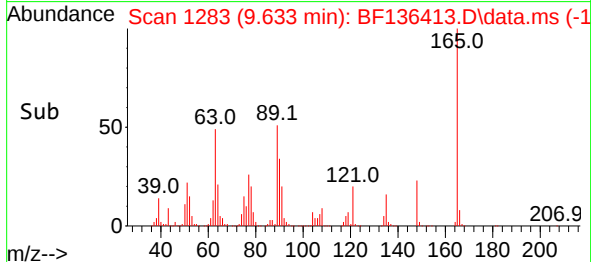
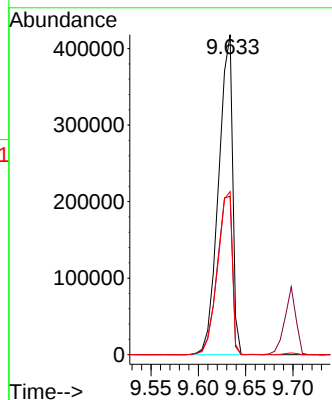
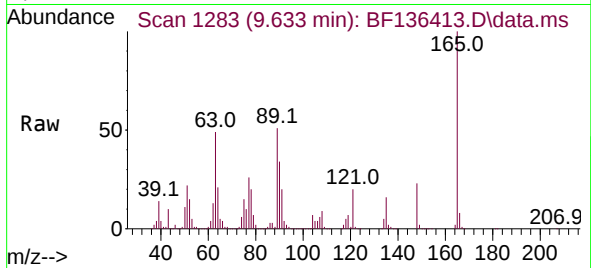




#51
2,6-Dinitrotoluene
Concen: 120.834 ng
RT: 9.633 min Scan# 1283
Delta R.T. 0.006 min
Lab File: BF136413.D
Acq: 05 Dec 2023 18:45

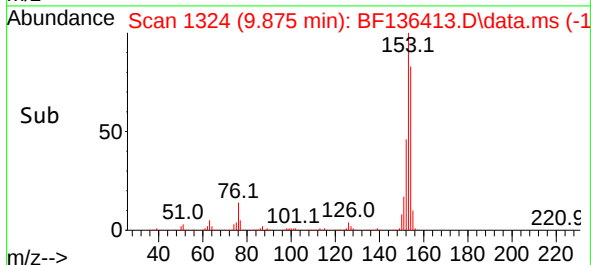
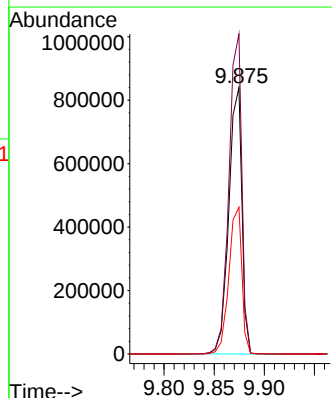
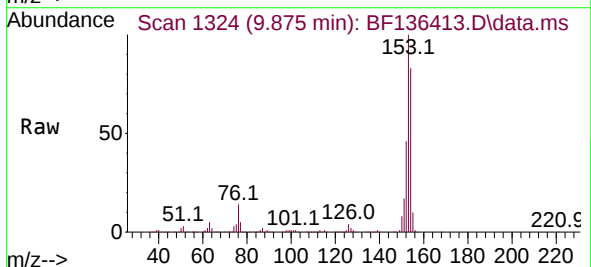
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

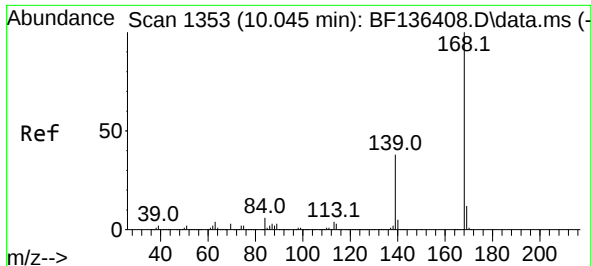
Tgt Ion:165 Resp: 431178
Ion Ratio Lower Upper
165 100
63 49.4 40.4 60.6
89 51.0 40.6 60.8



#52
Acenaphthene
Concen: 58.389 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.000 min
Lab File: BF136413.D
Acq: 05 Dec 2023 18:45

Tgt Ion:154 Resp: 760330
Ion Ratio Lower Upper
154 100
153 120.1 95.3 142.9
152 55.1 43.2 64.8

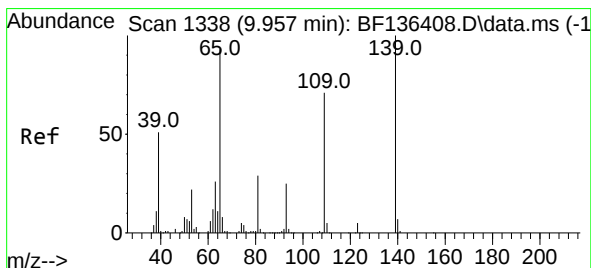
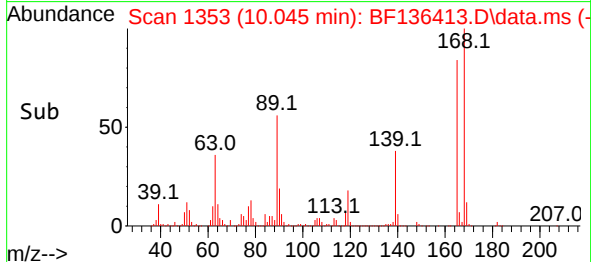
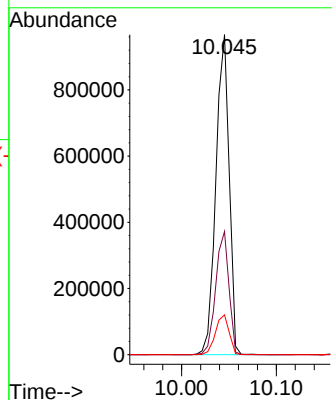
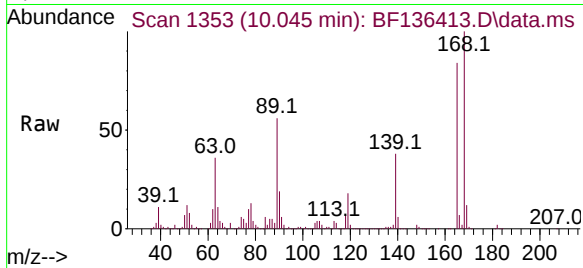




#55
Dibenzenofuran
Concen: 49.265 ng
RT: 10.045 min Scan# 1353
Delta R.T. -0.000 min
Lab File: BF136413.D
Acq: 05 Dec 2023 18:45

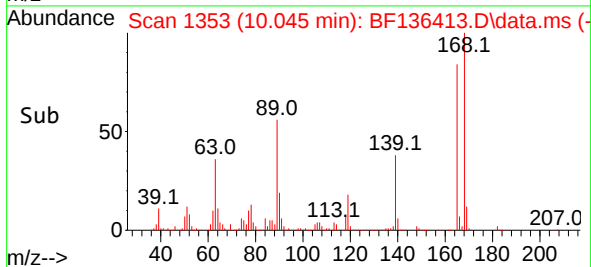
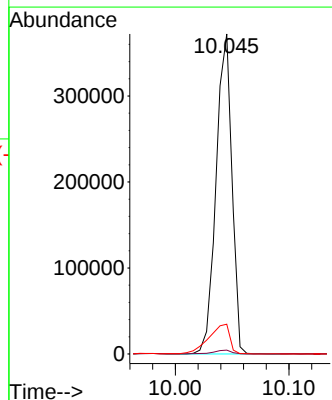
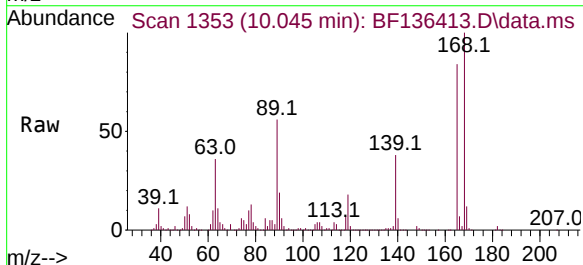
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

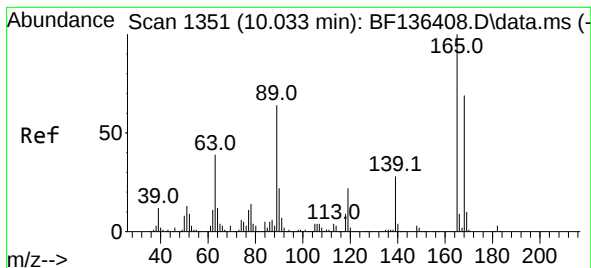
Tgt Ion:168 Resp: 937365
Ion Ratio Lower Upper
168 100
139 38.5 30.4 45.6
169 12.4 9.9 14.9



#56
4-Nitrophenol
Concen: 131.752 ng
RT: 10.045 min Scan# 1353
Delta R.T. 0.088 min
Lab File: BF136413.D
Acq: 05 Dec 2023 18:45

Tgt Ion:139 Resp: 359897
Ion Ratio Lower Upper
139 100
109 1.2 50.6 90.6#
65 9.3 73.1 113.1#

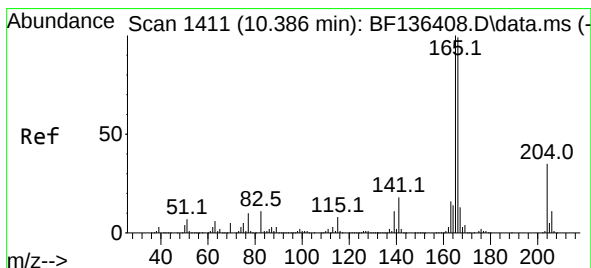
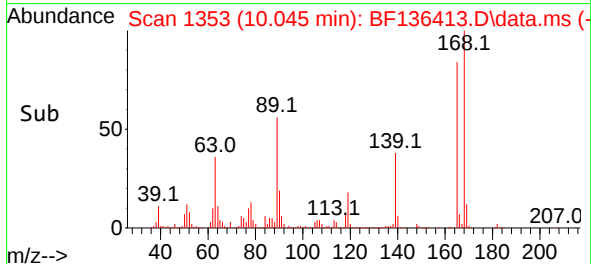
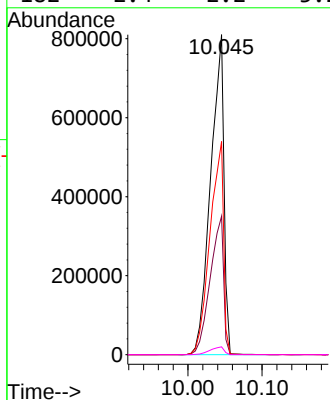
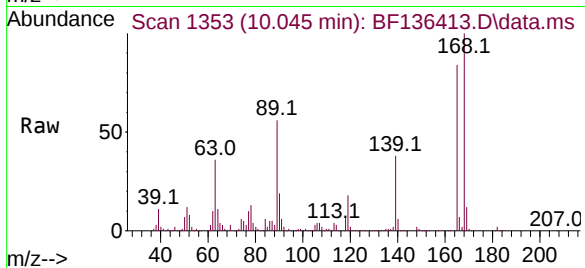




#57
2,4-Dinitrotoluene
Concen: 212.544 ng
RT: 10.045 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF136413.D
Acq: 05 Dec 2023 18:45

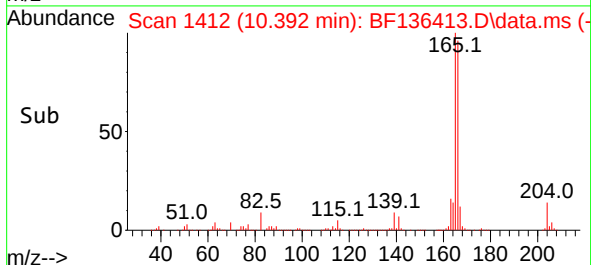
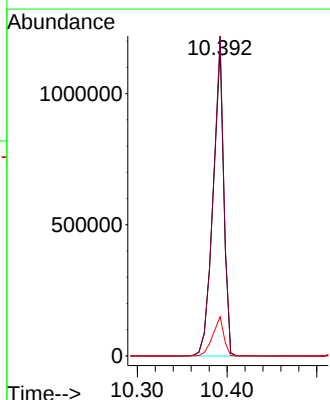
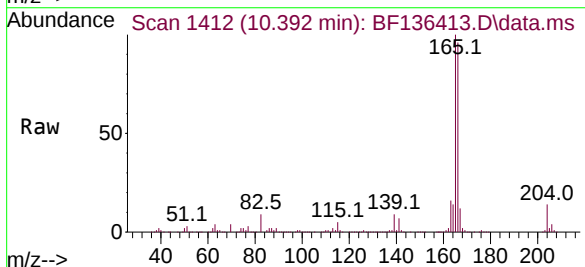
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

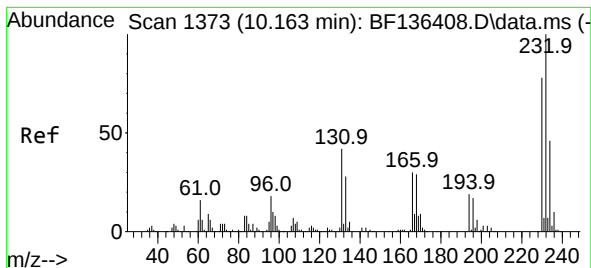
Tgt Ion:165 Resp: 1003306
Ion Ratio Lower Upper
165 100
63 43.3 31.4 47.2
89 66.6 51.7 77.5
182 2.4 2.2 3.2



#58
Fluorene
Concen: 64.364 ng
RT: 10.392 min Scan# 1412
Delta R.T. 0.006 min
Lab File: BF136413.D
Acq: 05 Dec 2023 18:45

Tgt Ion:166 Resp: 983068
Ion Ratio Lower Upper
166 100
165 103.7 80.5 120.7
167 12.7 10.5 15.7

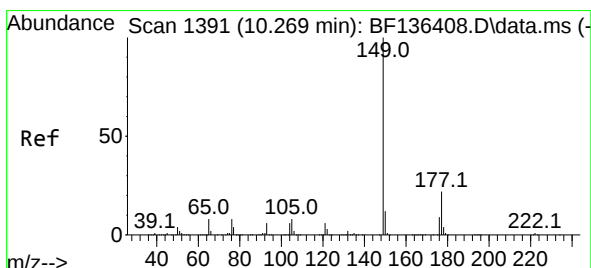
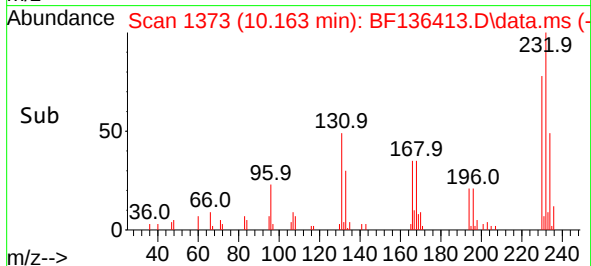
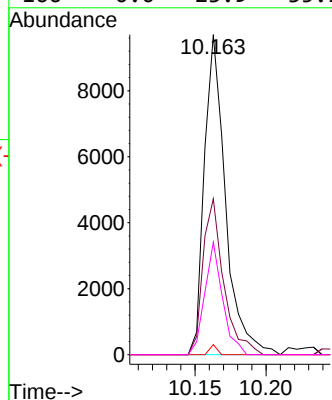
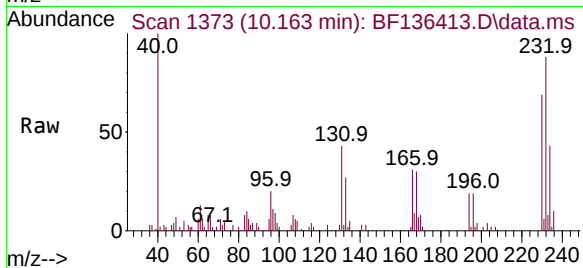




#59
2,3,4,6-Tetrachlorophenol
Concen: 2.579 ng
RT: 10.163 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF136413.D
Acq: 05 Dec 2023 18:45

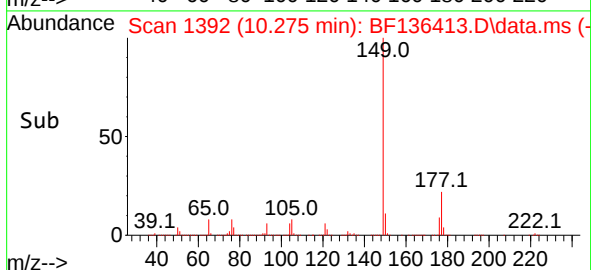
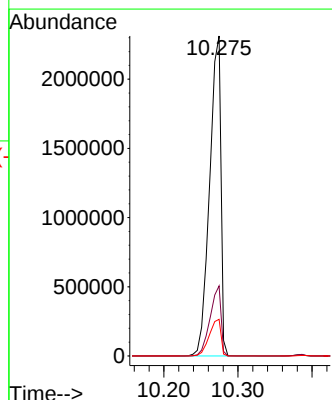
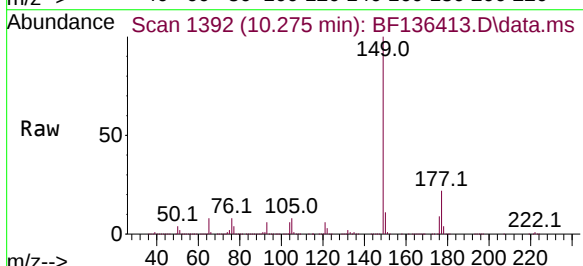
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

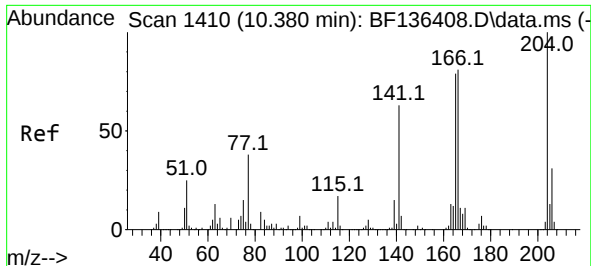
Tgt Ion:232	Resp:	10062
Ion Ratio	Lower	Upper
232	100	
131	47.7	34.3 51.5
130	0.0	1.6 2.4#
166	0.0	23.9 35.9#



#60
Diethylphthalate
Concen: 156.129 ng
RT: 10.275 min Scan# 1392
Delta R.T. 0.006 min
Lab File: BF136413.D
Acq: 05 Dec 2023 18:45

Tgt Ion:149	Resp:	2435122
Ion Ratio	Lower	Upper
149	100	
177	21.9	17.8 26.8
150	11.5	9.4 14.0

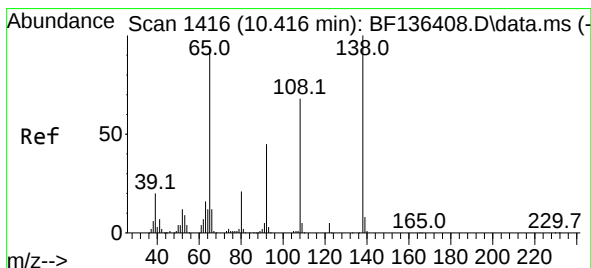
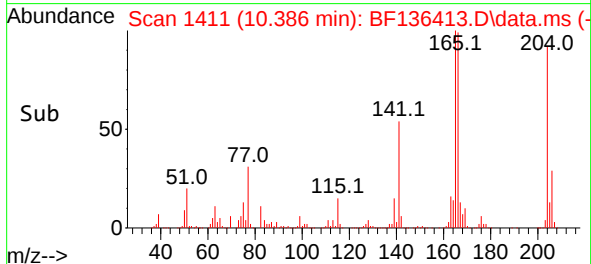
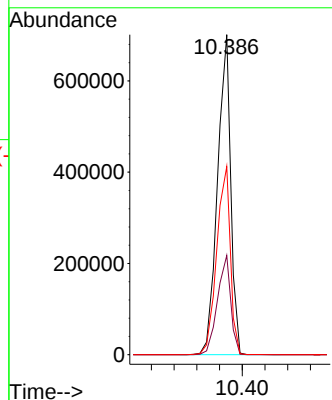
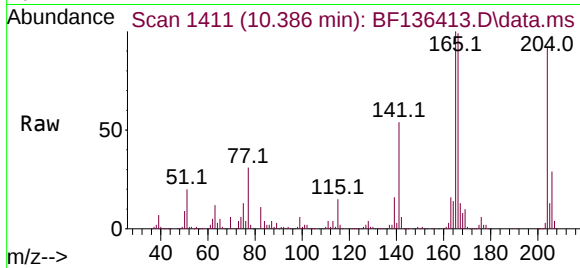




#61
4-Chlorophenyl-phenylether
Concen: 75.976 ng
RT: 10.386 min Scan# 1410
Delta R.T. 0.006 min
Lab File: BF136413.D
Acq: 05 Dec 2023 18:45

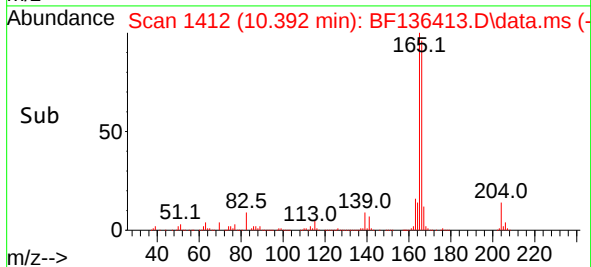
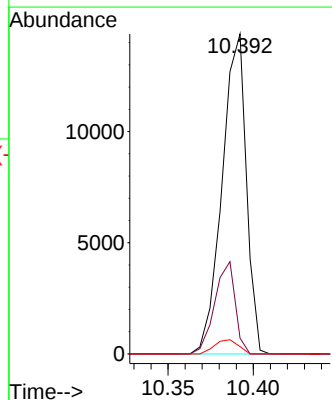
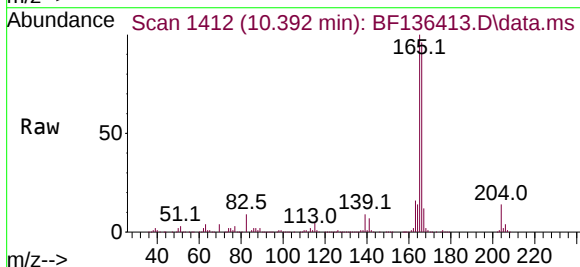
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

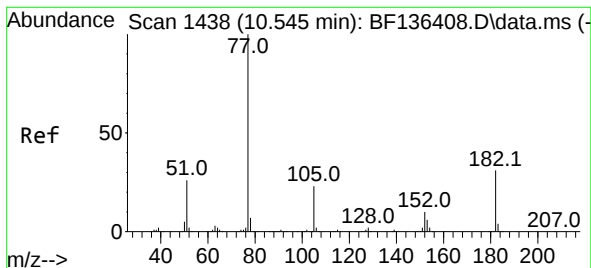
Tgt Ion:204 Resp: 565698
Ion Ratio Lower Upper
204 100
206 31.0 24.6 36.8
141 58.8 50.3 75.5



#62
4-Nitroaniline
Concen: 3.931 ng
RT: 10.392 min Scan# 1412
Delta R.T. -0.024 min
Lab File: BF136413.D
Acq: 05 Dec 2023 18:45

Tgt Ion:138 Resp: 14223
Ion Ratio Lower Upper
138 100
92 4.9 25.0 65.0#
108 2.3 47.9 87.9#





#63

Azobenzene

Concen: 15.016 ng

RT: 10.386 min Scan# 1438

Delta R.T. -0.159 min

Lab File: BF136413.D

Acq: 05 Dec 2023 18:45

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

Tgt Ion: 77 Resp: 213173

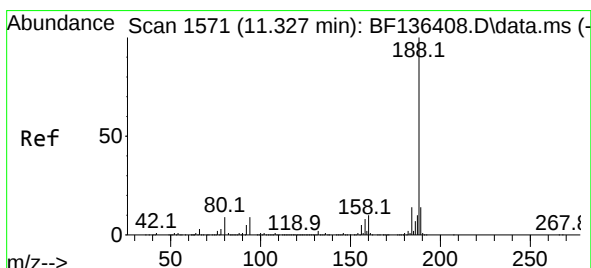
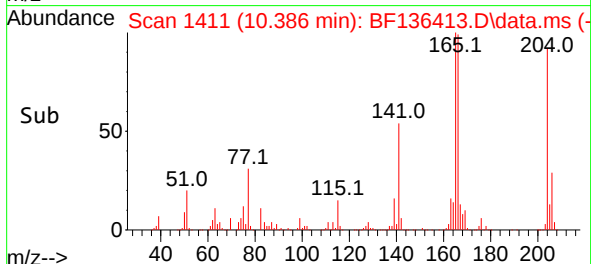
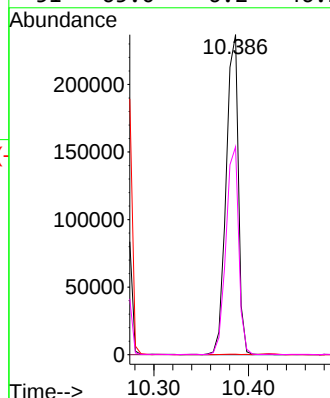
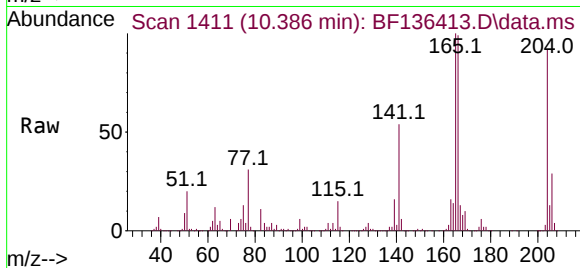
Ion Ratio Lower Upper

77 100

182 0.0 10.8 50.8#

105 0.2 2.6 42.6#

51 65.0 6.2 46.2#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.327 min Scan# 1571

Delta R.T. -0.000 min

Lab File: BF136413.D

Acq: 05 Dec 2023 18:45

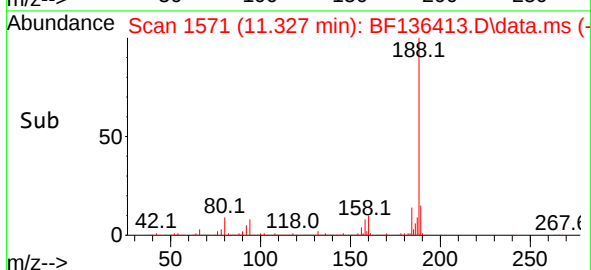
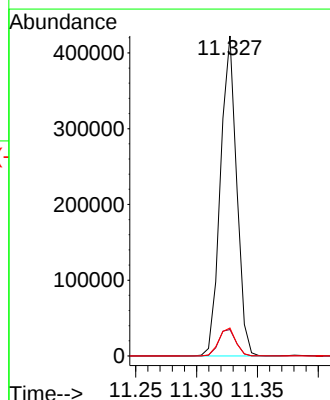
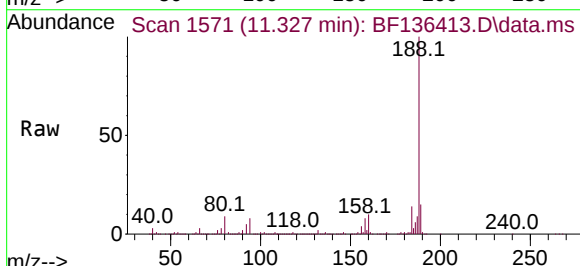
Tgt Ion: 188 Resp: 391438

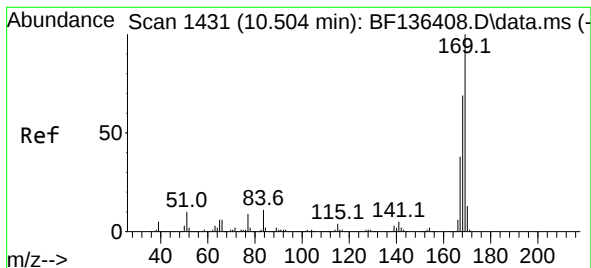
Ion Ratio Lower Upper

188 100

94 8.3 7.2 10.8

80 8.8 7.2 10.8





#66

n-Nitrosodiphenylamine

Concen: 4.858 ng

RT: 10.386 min Scan# 1411

Delta R.T. -0.118 min

Lab File: BF136413.D

Acq: 05 Dec 2023 18:45

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

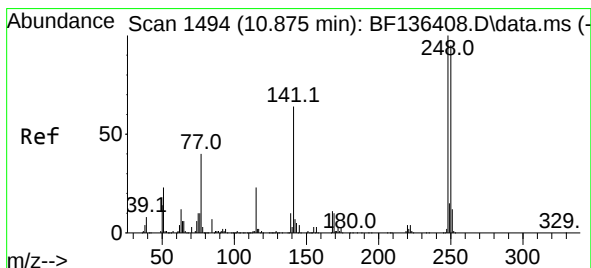
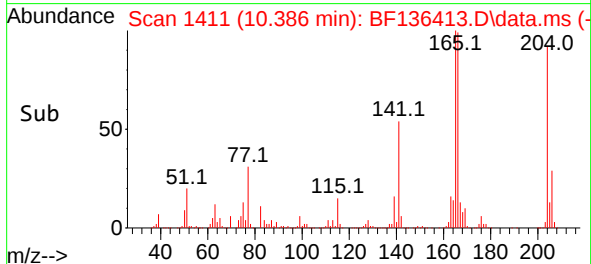
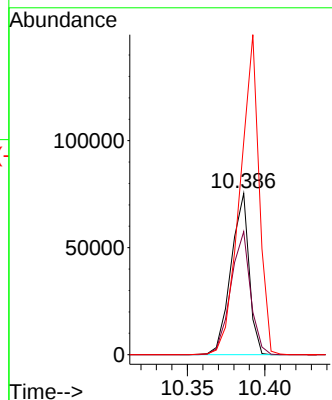
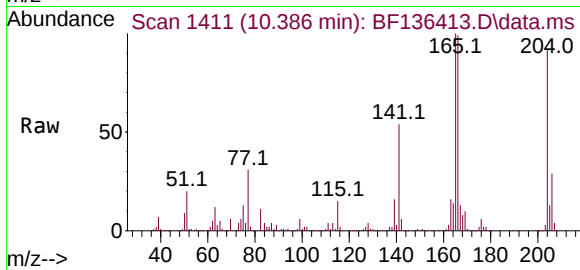
Tgt Ion:169 Resp: 61022

Ion Ratio Lower Upper

169 100

168 76.3 55.3 82.9

167 132.0 30.1 45.1#



#67

4-Bromophenyl-phenylether

Concen: 87.724 ng

RT: 10.875 min Scan# 1494

Delta R.T. -0.000 min

Lab File: BF136413.D

Acq: 05 Dec 2023 18:45

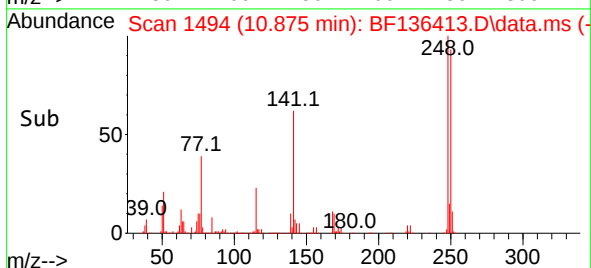
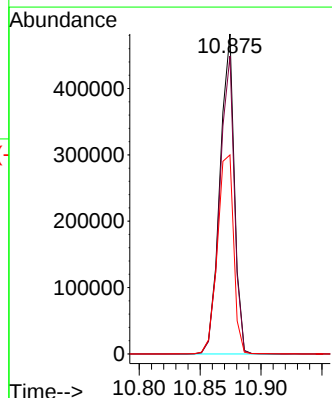
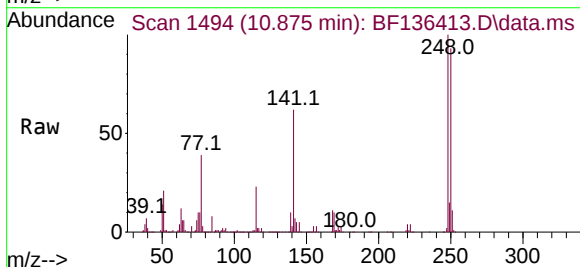
Tgt Ion:248 Resp: 399241

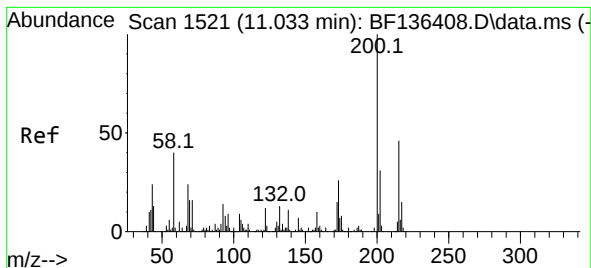
Ion Ratio Lower Upper

248 100

250 93.1 76.2 114.2

141 62.2 51.0 76.4





#69

Atrazine

Concen: 18.369 ng

RT: 11.133 min Scan# 1538

Delta R.T. 0.100 min

Lab File: BF136413.D

Acq: 05 Dec 2023 18:45

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

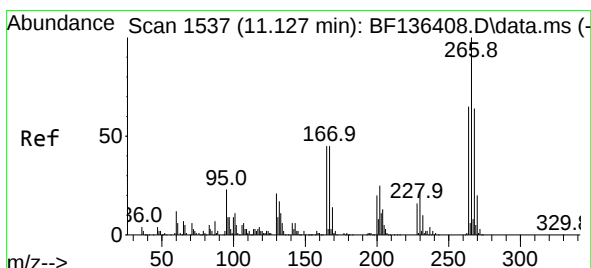
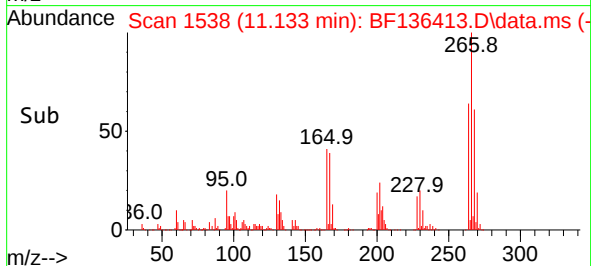
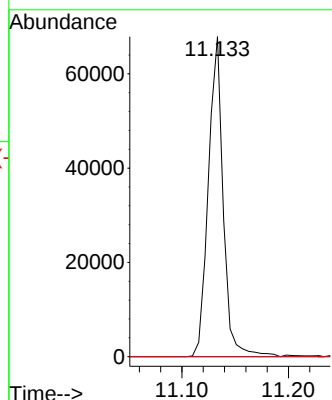
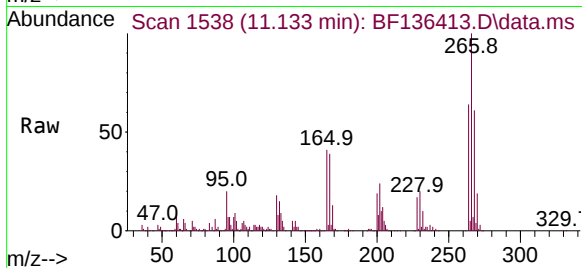
Tgt Ion:200 Resp: 65852

Ion Ratio Lower Upper

200 100

173 0.0 6.0 46.0#

215 0.0 25.5 65.5#



#70

Pentachlorophenol

Concen: 117.922 ng

RT: 11.133 min Scan# 1538

Delta R.T. 0.006 min

Lab File: BF136413.D

Acq: 05 Dec 2023 18:45

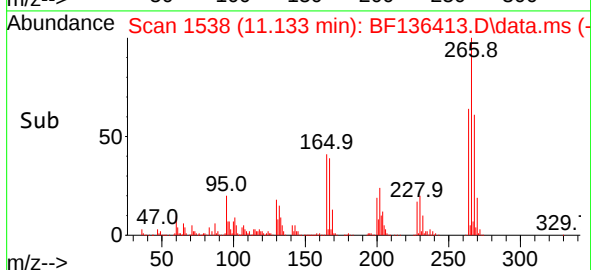
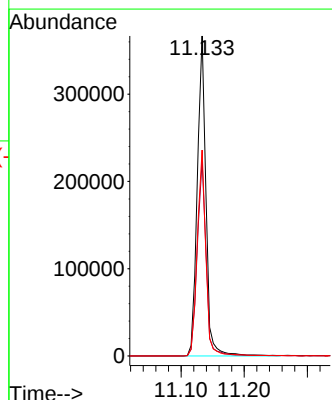
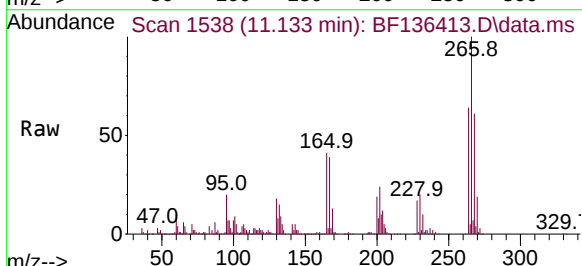
Tgt Ion:266 Resp: 350071

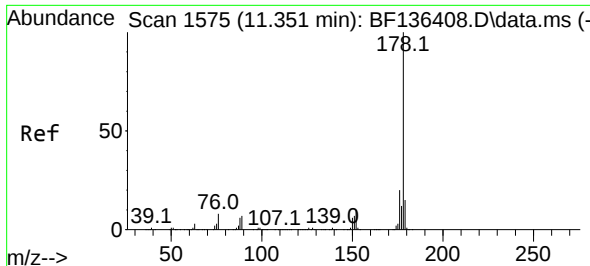
Ion Ratio Lower Upper

266 100

268 60.9 51.0 76.6

264 64.4 52.2 78.4

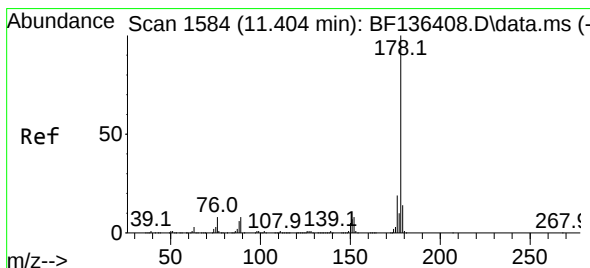
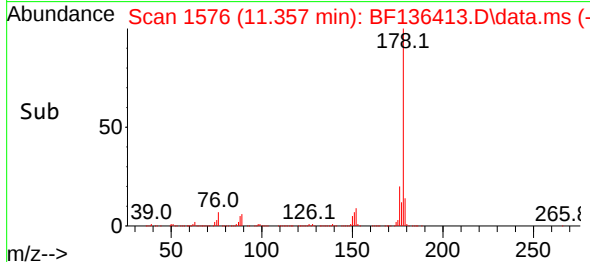
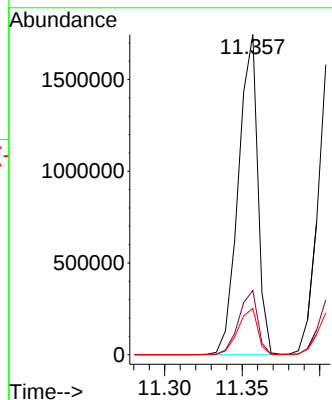
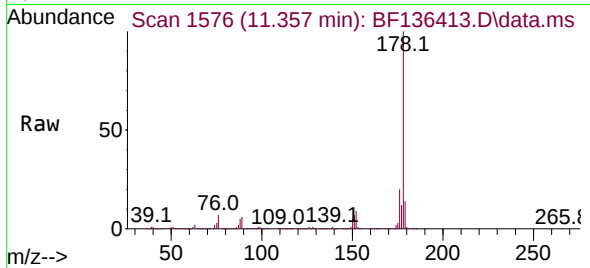




#71
Phenanthrene
Concen: 70.412 ng
RT: 11.357 min Scan# 1575
Delta R.T. 0.006 min
Lab File: BF136413.D
Acq: 05 Dec 2023 18:45

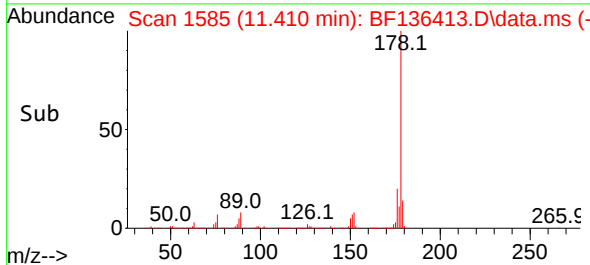
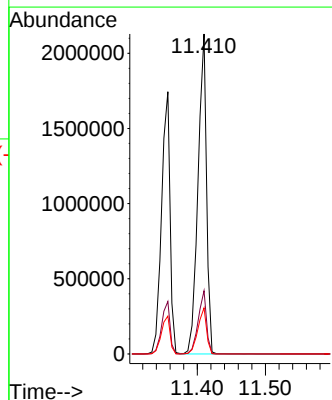
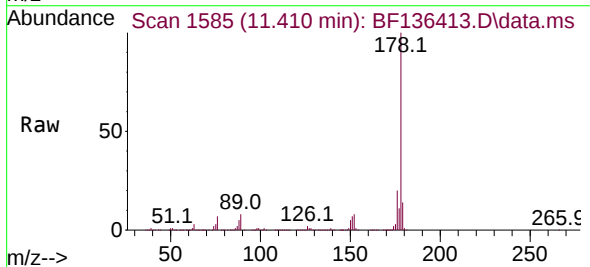
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

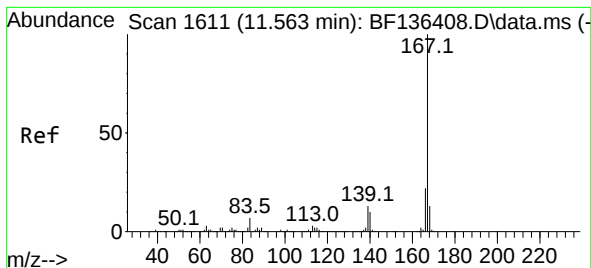
Tgt Ion:178 Resp: 1514933
Ion Ratio Lower Upper
178 100
176 20.0 15.9 23.9
179 14.5 11.8 17.6



#72
Anthracene
Concen: 85.613 ng
RT: 11.410 min Scan# 1585
Delta R.T. 0.006 min
Lab File: BF136413.D
Acq: 05 Dec 2023 18:45

Tgt Ion:178 Resp: 1855268
Ion Ratio Lower Upper
178 100
176 19.8 15.3 22.9
179 14.4 11.4 17.0





#73

Carbazole

Concen: 90.931 ng

RT: 11.569 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF136413.D

Acq: 05 Dec 2023 18:45

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

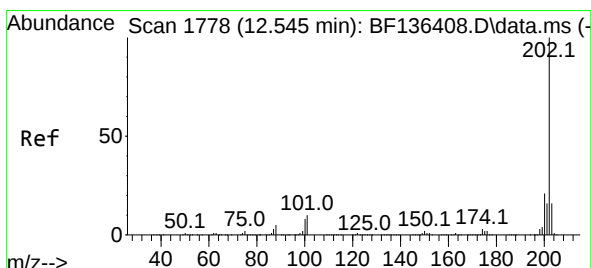
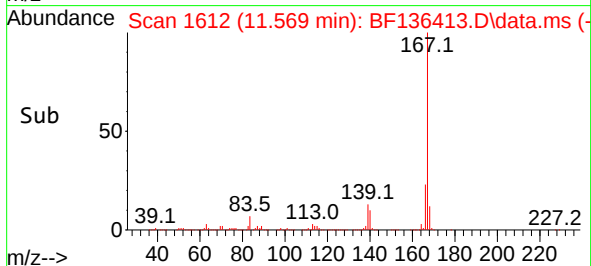
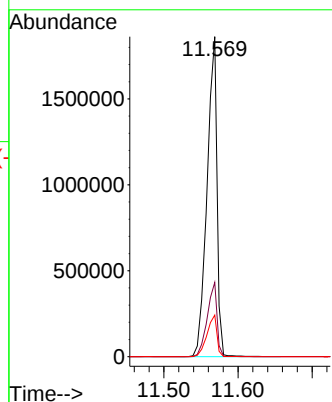
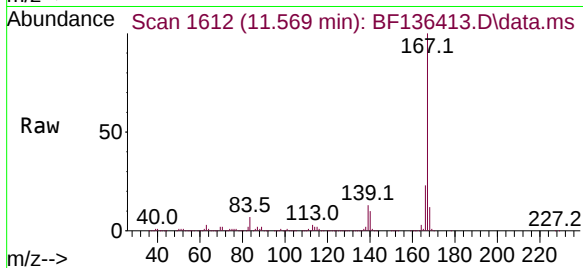
Tgt Ion:167 Resp: 1744064

Ion Ratio Lower Upper

167 100

166 23.2 18.0 27.0

139 13.0 10.2 15.4



#75

Fluoranthene

Concen: 137.511 ng

RT: 12.557 min Scan# 1780

Delta R.T. 0.012 min

Lab File: BF136413.D

Acq: 05 Dec 2023 18:45

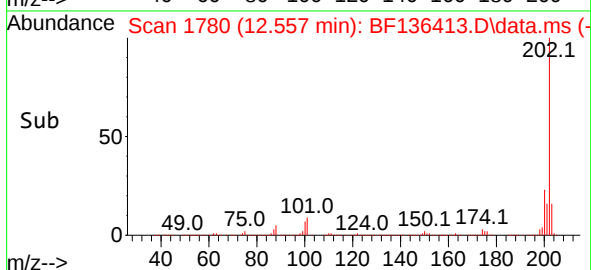
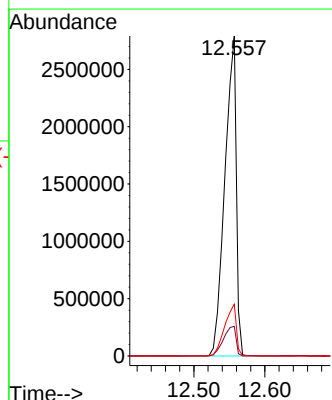
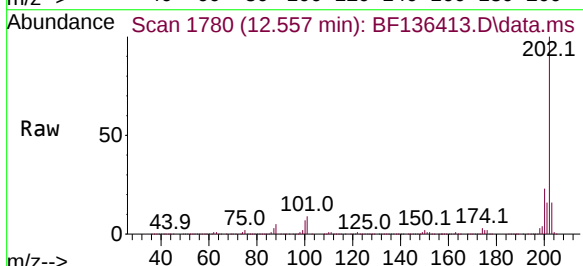
Tgt Ion:202 Resp: 3100425

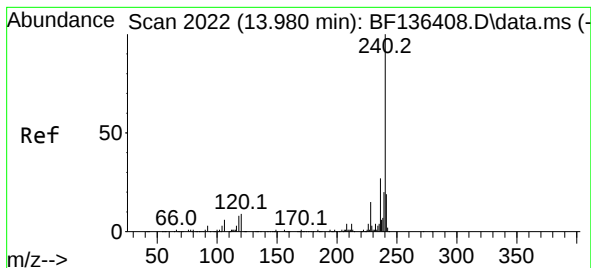
Ion Ratio Lower Upper

202 100

101 9.3 0.0 29.9

203 16.2 0.0 36.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136413.D

Acq: 05 Dec 2023 18:45

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

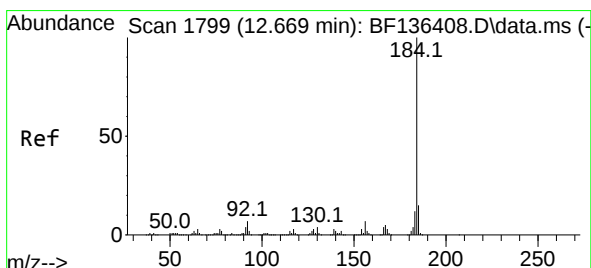
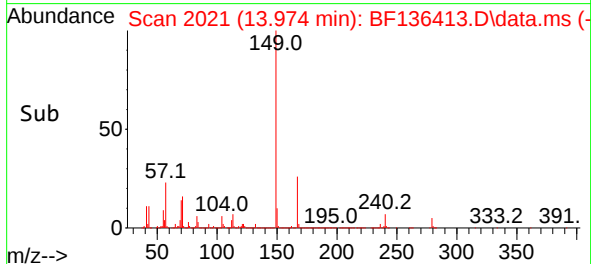
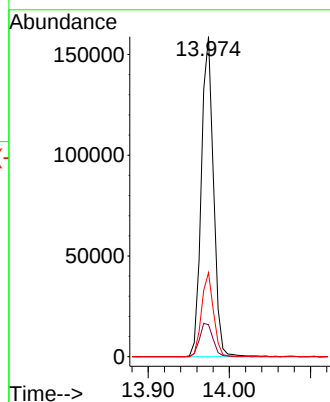
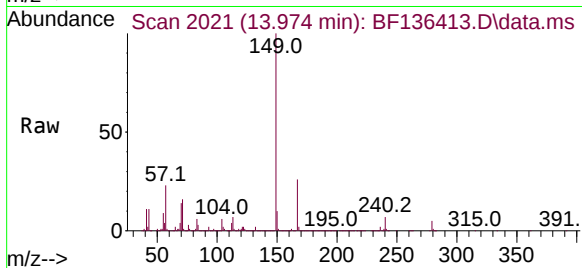
Tgt Ion:240 Resp: 165620

Ion Ratio Lower Upper

240 100

120 10.0 7.3 10.9

236 26.2 21.3 31.9



#77

Benzidine

Concen: 6.060 ng

RT: 12.921 min Scan# 1842

Delta R.T. 0.253 min

Lab File: BF136413.D

Acq: 05 Dec 2023 18:45

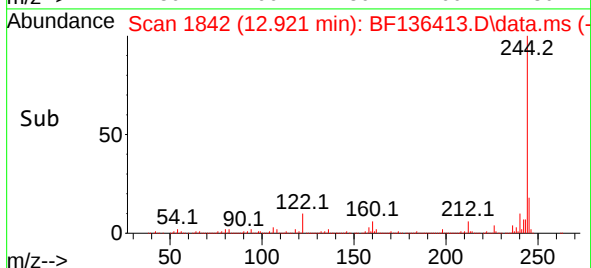
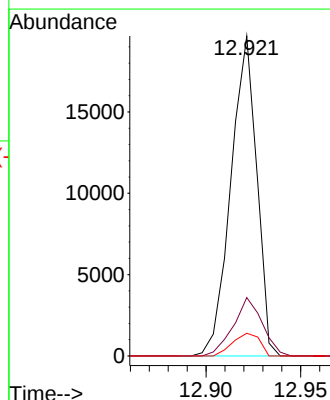
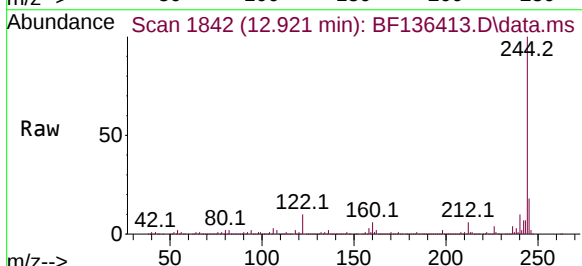
Tgt Ion:184 Resp: 18729

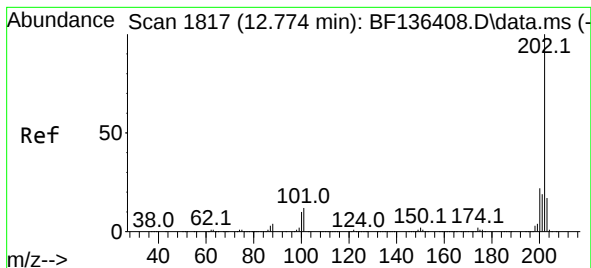
Ion Ratio Lower Upper

184 100

185 18.2 12.0 18.0#

183 7.1 9.4 14.0#





#78

Pyrene

Concen: 176.366 ng

RT: 12.786 min Scan# 1819

Delta R.T. 0.012 min

Lab File: BF136413.D

Acq: 05 Dec 2023 18:45

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

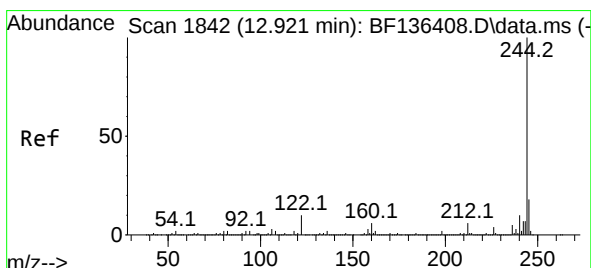
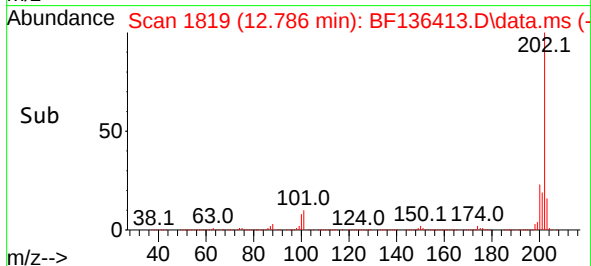
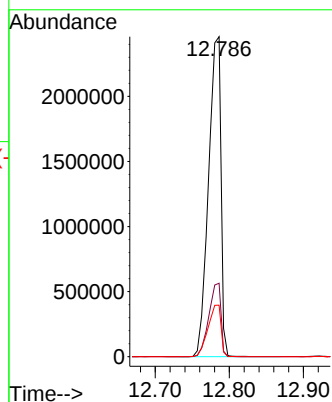
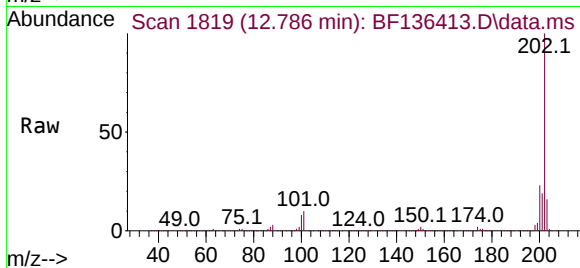
Tgt Ion:202 Resp: 2860694

Ion Ratio Lower Upper

202 100

200 23.0 18.0 27.0

203 16.1 13.5 20.3



#79

Terphenyl-d14

Concen: 126.981 ng

RT: 12.921 min Scan# 1842

Delta R.T. -0.000 min

Lab File: BF136413.D

Acq: 05 Dec 2023 18:45

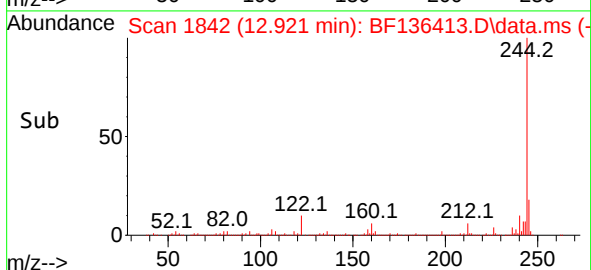
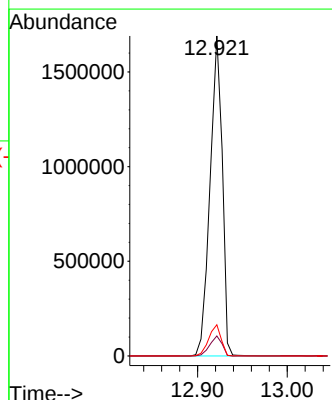
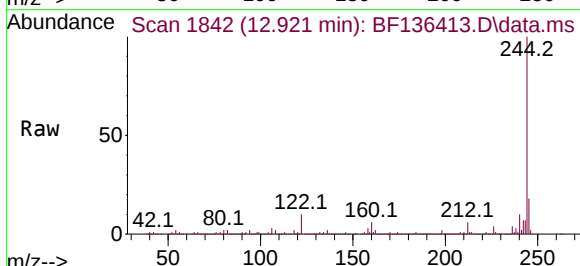
Tgt Ion:244 Resp: 1595593

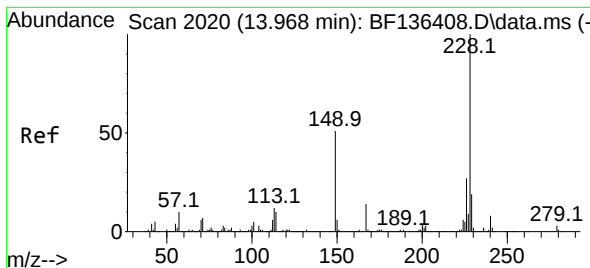
Ion Ratio Lower Upper

244 100

212 6.2 5.0 7.4

122 9.8 8.3 12.5





#81

Benzo(a)anthracene

Concen: 85.904 ng

RT: 14.004 min Scan# 2026

Delta R.T. 0.035 min

Lab File: BF136413.D

Acq: 05 Dec 2023 18:45

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

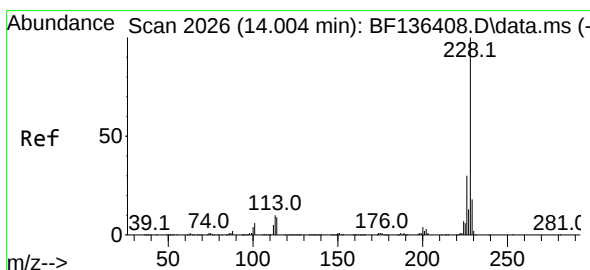
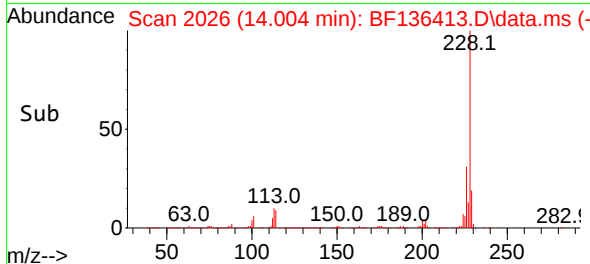
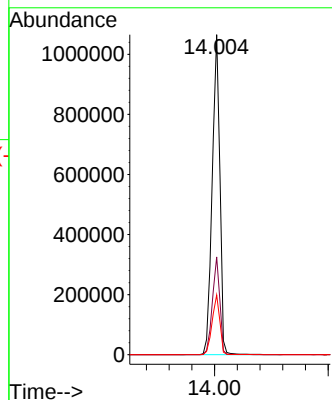
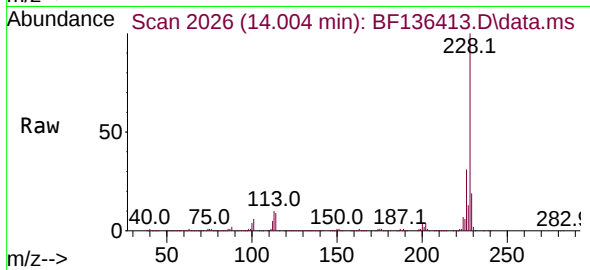
Tgt Ion:228 Resp: 991033

Ion Ratio Lower Upper

228 100

226 30.6 21.8 32.8

229 18.7 15.0 22.4



#83

Chrysene

Concen: 87.313 ng

RT: 14.004 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF136413.D

Acq: 05 Dec 2023 18:45

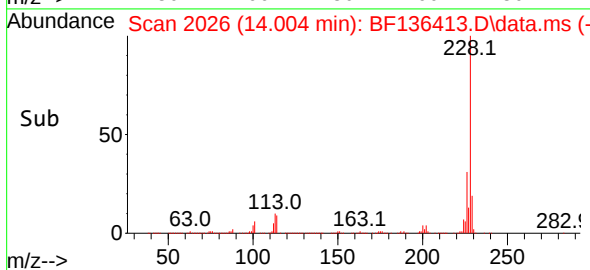
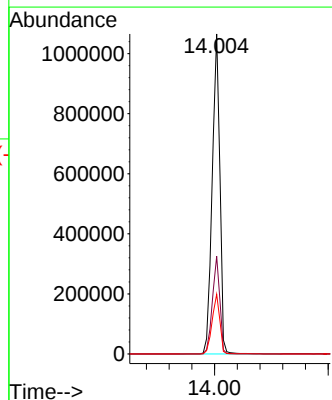
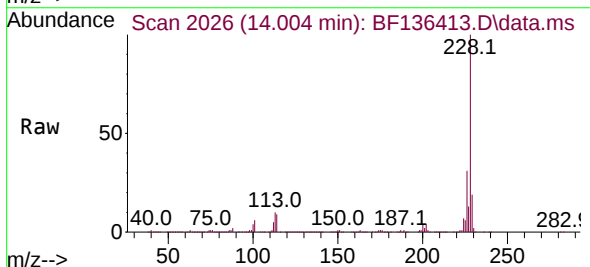
Tgt Ion:228 Resp: 991033

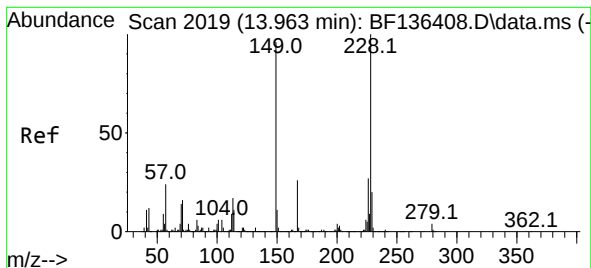
Ion Ratio Lower Upper

228 100

226 30.6 23.8 35.6

229 18.7 14.8 22.2

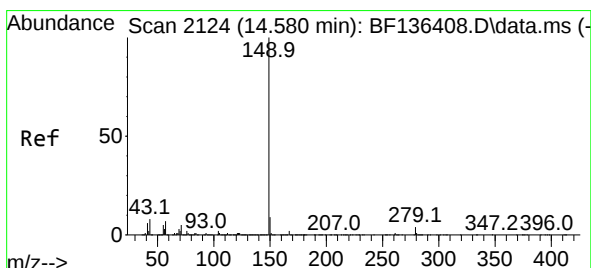
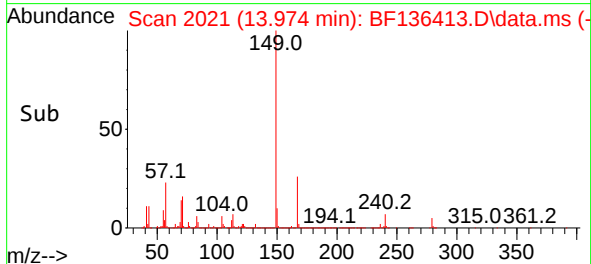
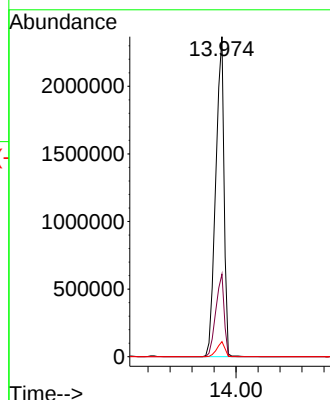
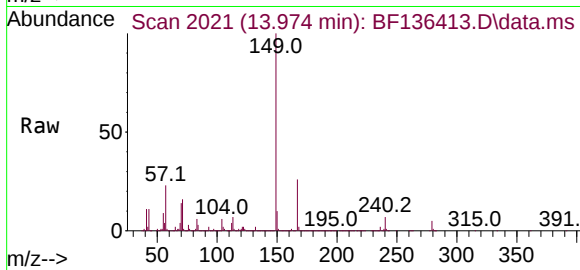




#84
Bis(2-ethylhexyl)phthalate
Concen: 351.115 ng
RT: 13.974 min Scan# 2019
Delta R.T. 0.012 min
Lab File: BF136413.D
Acq: 05 Dec 2023 18:45

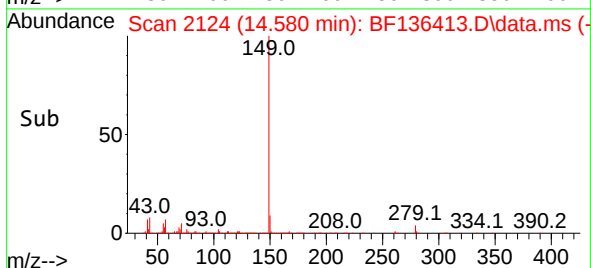
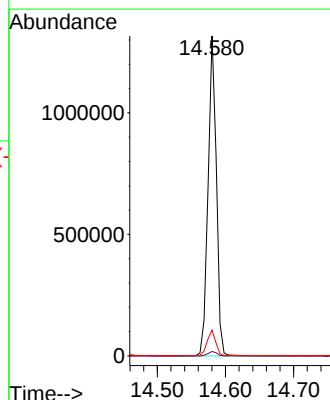
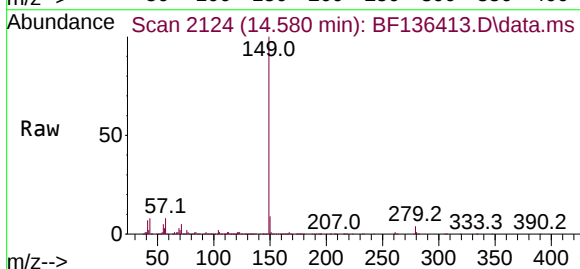
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

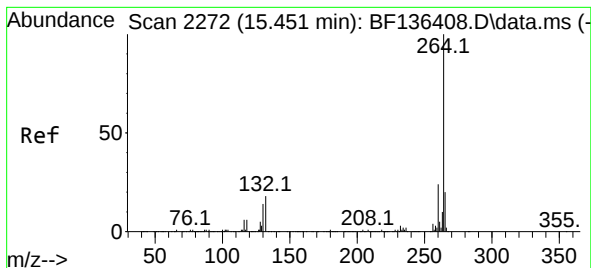
Tgt Ion:149 Resp: 2485366
Ion Ratio Lower Upper
149 100
167 25.8 21.2 31.8
279 4.7 3.1 4.7



#85
Di-n-octyl phthalate
Concen: 106.568 ng
RT: 14.580 min Scan# 2124
Delta R.T. -0.000 min
Lab File: BF136413.D
Acq: 05 Dec 2023 18:45

Tgt Ion:149 Resp: 1114239
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 8.1 6.8 10.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF136413.D

Acq: 05 Dec 2023 18:45

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

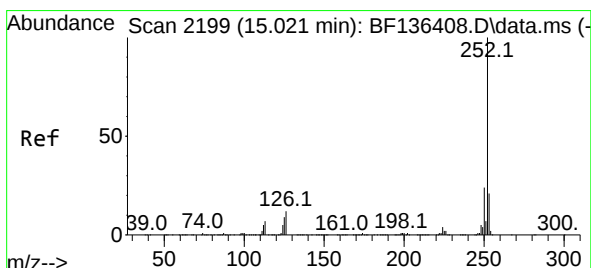
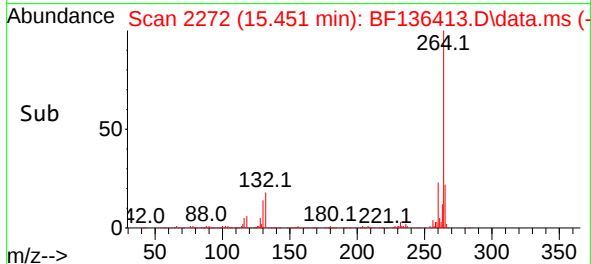
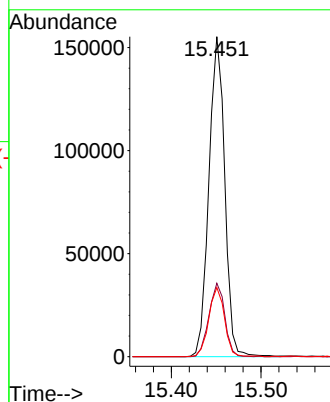
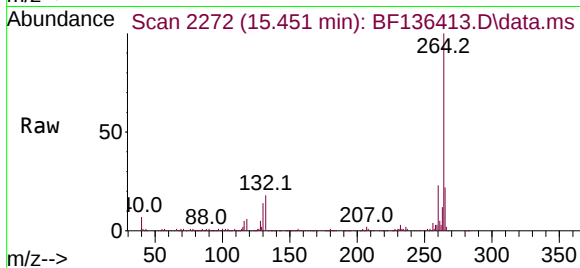
Tgt Ion:264 Resp: 190333

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

265 21.6 15.9 23.9



#88

Benzo(b)fluoranthene

Concen: 118.313 ng

RT: 15.027 min Scan# 2200

Delta R.T. 0.006 min

Lab File: BF136413.D

Acq: 05 Dec 2023 18:45

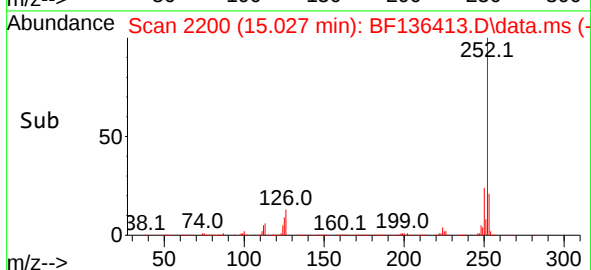
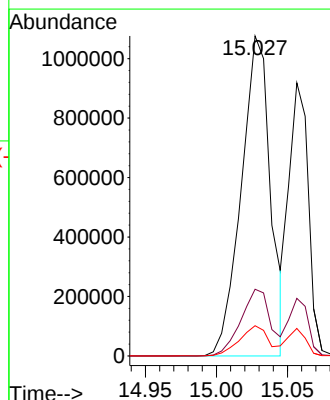
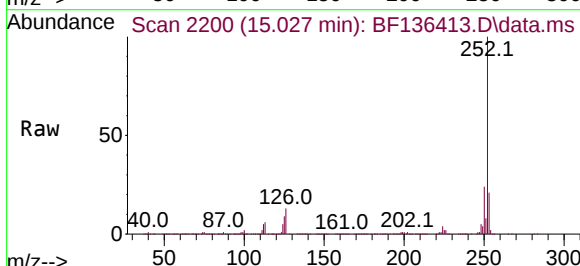
Tgt Ion:252 Resp: 1539676

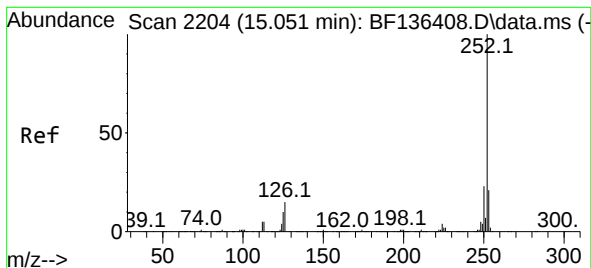
Ion Ratio Lower Upper

252 100

253 20.8 16.9 25.3

125 9.4 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 71.897 ng

RT: 15.057 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF136413.D

Acq: 05 Dec 2023 18:45

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

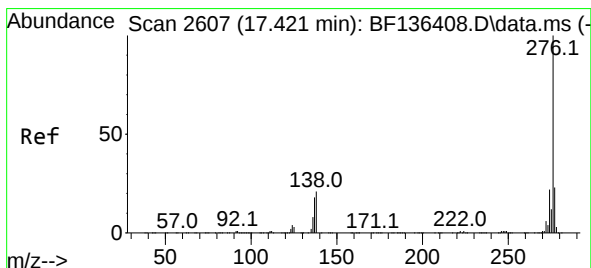
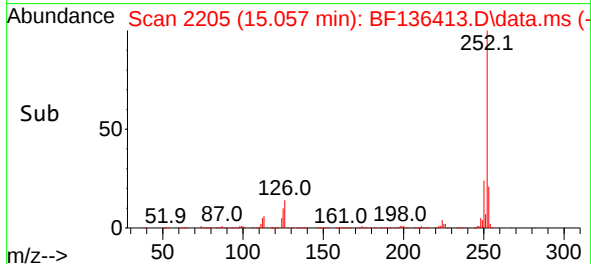
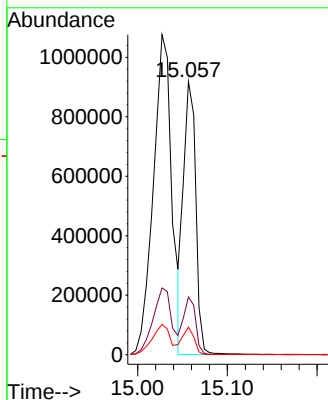
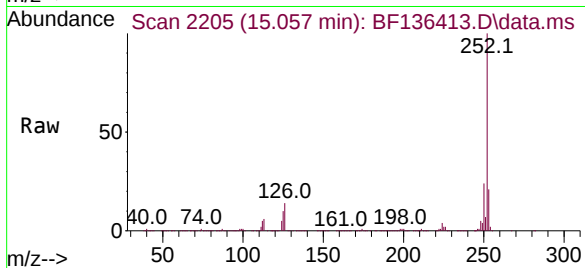
Tgt Ion:252 Resp: 881752

Ion Ratio Lower Upper

252 100

253 21.1 16.9 25.3

125 10.1 7.5 11.3



#92

Benzo(g,h,i)perylene

Concen: 50.872 ng

RT: 17.415 min Scan# 2606

Delta R.T. -0.006 min

Lab File: BF136413.D

Acq: 05 Dec 2023 18:45

Tgt Ion:276 Resp: 565626

Ion Ratio Lower Upper

276 100

277 23.7 18.7 28.1

138 21.9 16.6 25.0

