

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120523\
 Data File : BF136414.D
 Acq On : 05 Dec 2023 19:19
 Operator : CG\JU
 Sample : 05047-11DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOILD

Quant Time: Dec 06 02:20:33 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	6.798	152	119055	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	494796	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	259687	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	500634	20.000	ng	0.00
76) Chrysene-d12	13.974	240	322880	20.000	ng	0.00
86) Perylene-d12	15.451	264	254321	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	165723	20.557	ng	0.00
7) Phenol-d6	6.428	99	221900	22.062	ng	-0.02
23) Nitrobenzene-d5	7.357	82	137289	15.000	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	72467	22.632	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	324059	17.027	ng	-0.01
79) Terphenyl-d14	12.916	244	423013	17.268	ng	0.00
Target Compounds						
						Qvalue
6) Aniline	6.534	93	213612	21.015	ng	# 55
9) Benzaldehyde	6.428	77	230	Below Cal		# 1
11) bis(2-Chloroethyl)ether	6.534	93	213612	26.777	ng	99
12) 1,3-Dichlorobenzene	6.816	146	206376	20.852	ng	97
13) 1,4-Dichlorobenzene	6.816	146	206376	20.555	ng	99
14) 1,2-Dichlorobenzene	6.969	146	160946	17.047	ng	99
18) Hexachloroethane	7.310	117	75541	21.550	ng	91
25) Isophorone	7.616	82	551161	33.518	ng	100
26) 2-Nitrophenol	7.698	139	123070	27.189	ng	90
28) bis(2-Chloroethoxy)met...	7.828	93	362512	35.877	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	105887	12.326	ng	94
31) Naphthalene	8.098	128	865795	31.730	ng	99
33) 4-Chloroaniline	8.098	127	115575	11.881	ng	# 36
34) Hexachlorobutadiene	8.216	225	57028	11.201	ng	98
35) Caprolactam	8.628	113	8671	3.822	ng	# 14
36) 4-Chloro-3-methylphenol	8.628	107	318701	40.742	ng	98
37) 2-Methylnaphthalene	8.792	142	456675	26.308	ng	99
38) 1-Methylnaphthalene	8.792	142	456560	26.803	ng	98
43) 2,4,6-Trichlorophenol	9.104	196	163689	31.116	ng	99
44) 2,4,5-Trichlorophenol	9.104	196	163689	27.879	ng	94
49) Acenaphthylene	9.692	152	309380	12.628	ng	98
50) Dimethylphthalate	9.833	163	52736	2.758	ng	# 1
51) 2,6-Dinitrotoluene	9.616	165	96331	22.396	ng	91
52) Acenaphthene	9.863	154	178612	11.379	ng	95
55) Dibenzofuran	10.039	168	245697	10.713	ng	99
56) 4-Nitrophenol	10.039	139	93157	28.292	ng	# 9
57) 2,4-Dinitrotoluene	10.027	165	242434	42.607	ng	95
58) Fluorene	10.380	166	244328	13.271	ng	99
60) Diethylphthalate	10.257	149	590219	31.394	ng	99
61) 4-Chlorophenyl-phenyle...	10.380	204	141716	15.790	ng	92
63) Azobenzene	10.374	77	55457	3.241	ng	# 39
67) 4-Bromophenyl-phenylether	10.869	248	91171	15.663	ng	96
69) Atrazine	11.127	200	13647	2.976	ng	# 37
70) Pentachlorophenol	11.127	266	72503	19.096	ng	100
71) Phenanthrene	11.345	178	359949	13.081	ng	99
72) Anthracene	11.398	178	454510	16.399	ng	99

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

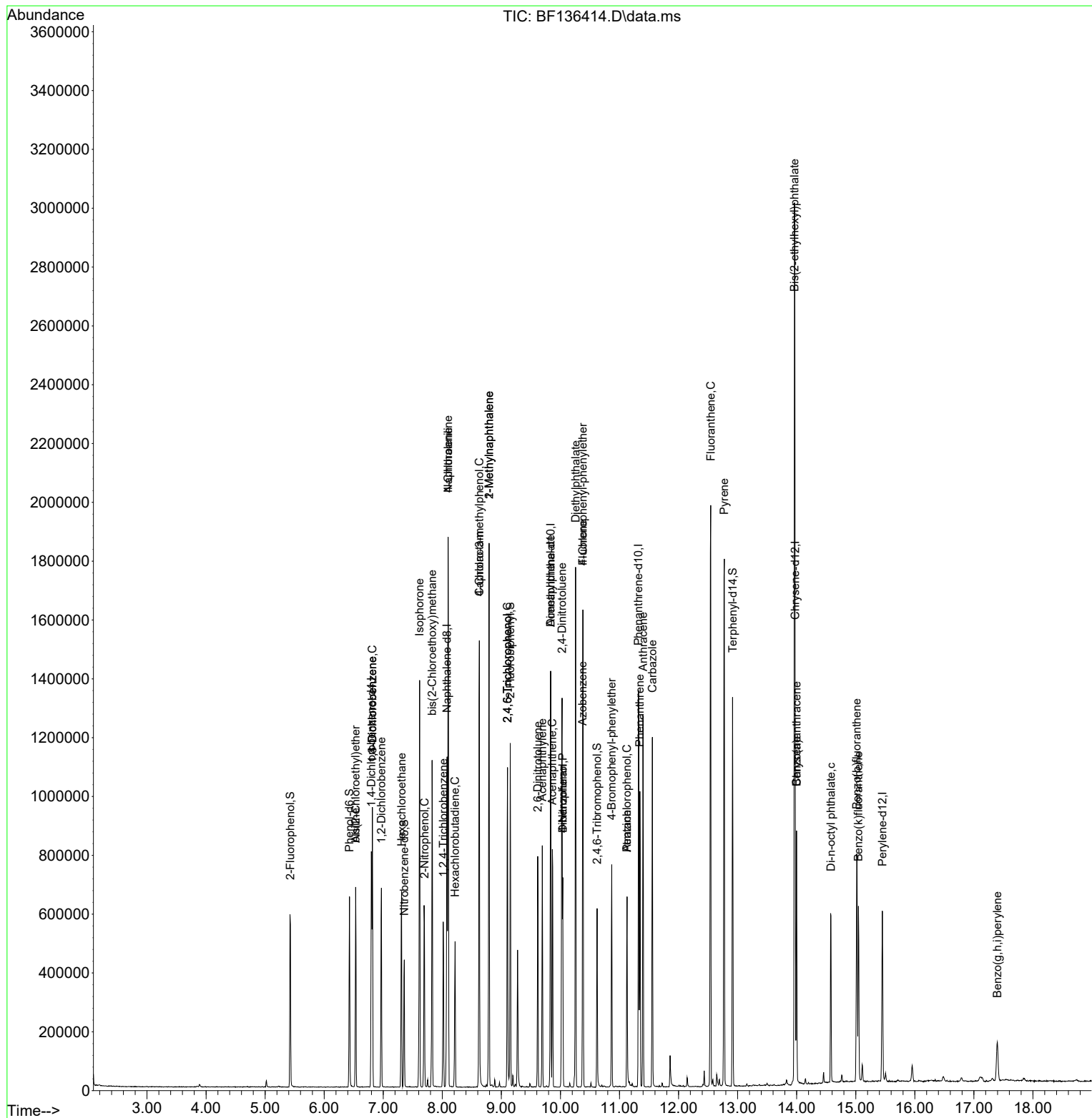
73) Carbazole	11.557	167	433037	17.653	ng	99
75) Fluoranthene	12.545	202	831794	28.845	ng	99
78) Pyrene	12.774	202	755543	23.893	ng	99
81) Benzo(a)anthracene	13.998	228	282054	12.541	ng	98
83) Chrysene	13.998	228	282054	12.747	ng	99
84) Bis(2-ethylhexyl)phtha...	13.962	149	787452	57.063	ng	100
85) Di-n-octyl phthalate	14.580	149	296170	14.530	ng	99
88) Benzo(b)fluoranthene	15.015	252	382314	21.987	ng	99
89) Benzo(k)fluoranthene	15.045	252	241297	14.725	ng	98
92) Benzo(g,h,i)perylene	17.398	276	111039	7.474	ng	98

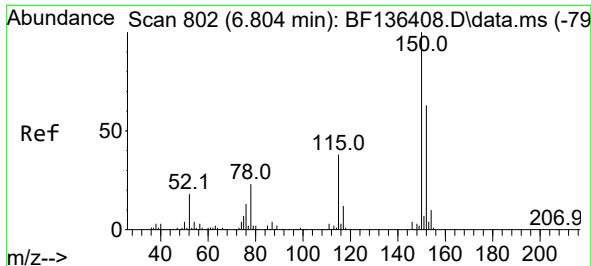
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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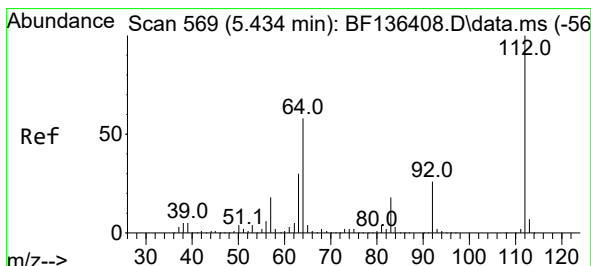
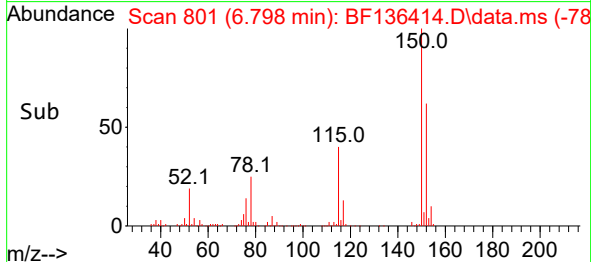
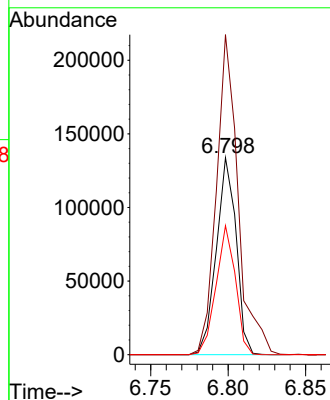
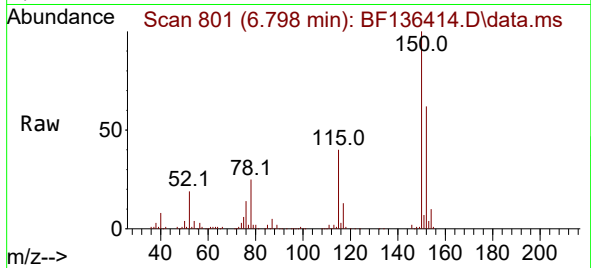




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF136414.D
Acq: 05 Dec 2023 19:19

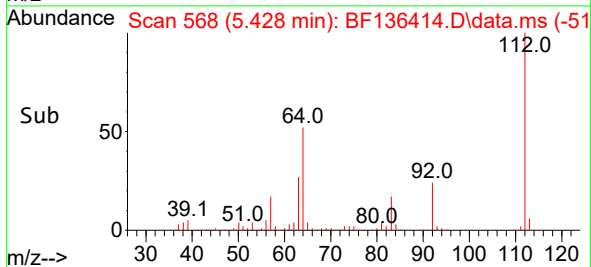
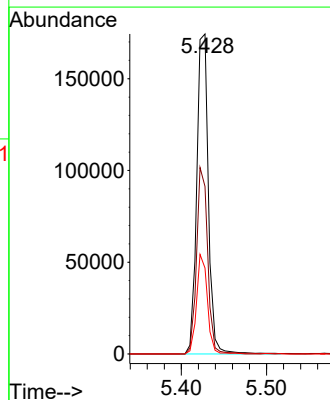
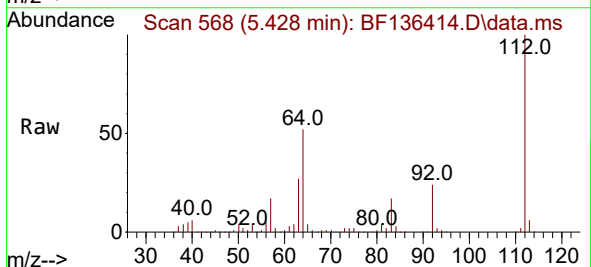
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOILD

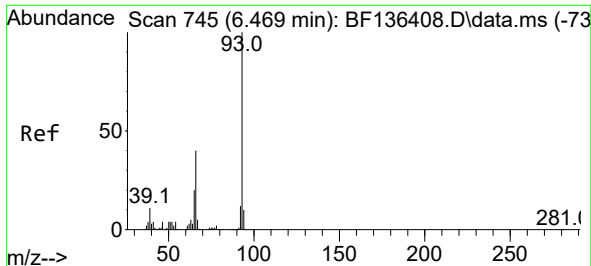
Tgt Ion:152 Resp: 119055
Ion Ratio Lower Upper
152 100
150 162.5 126.4 189.6
115 65.5 48.2 72.4



#5
2-Fluorophenol
Concen: 20.557 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.006 min
Lab File: BF136414.D
Acq: 05 Dec 2023 19:19

Tgt Ion:112 Resp: 165723
Ion Ratio Lower Upper
112 100
64 52.4 46.5 69.7
63 26.9 23.9 35.9

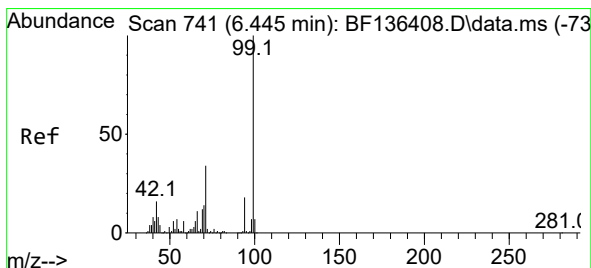
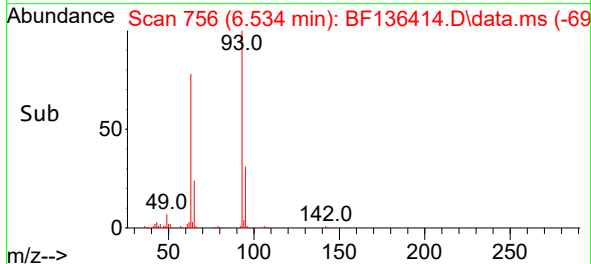
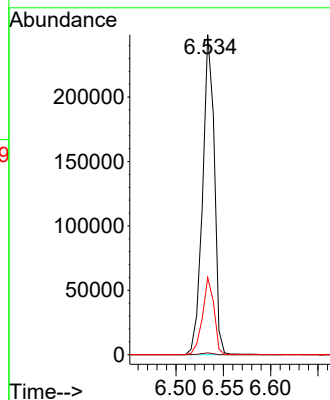
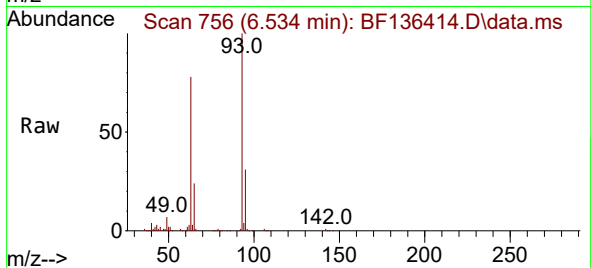




#6
Aniline
Concen: 21.015 ng
RT: 6.534 min Scan# 745
Delta R.T. 0.065 min
Lab File: BF136414.D
Acq: 05 Dec 2023 19:19

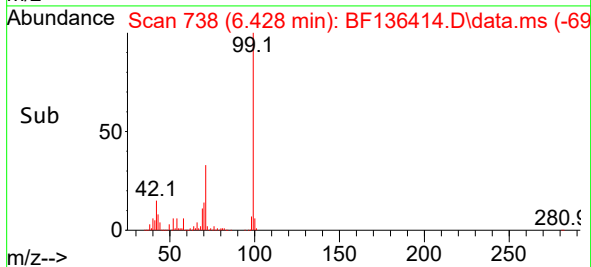
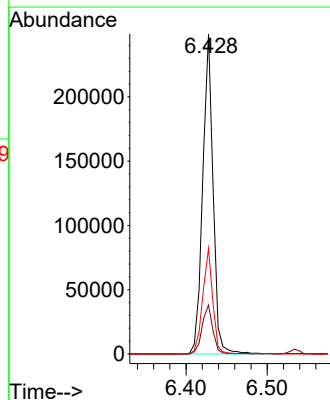
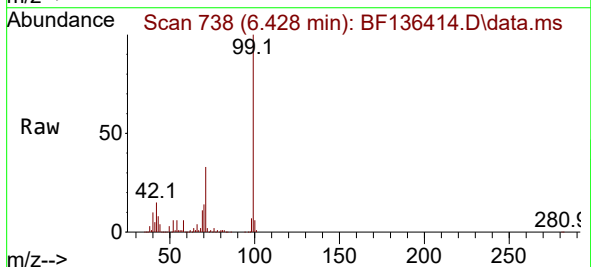
Instrument :
BNA_F
ClientSampleId :
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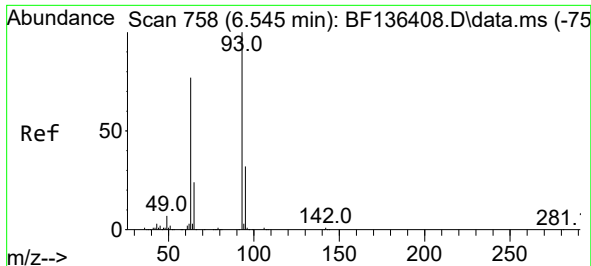
Tgt Ion: 93 Resp: 213612
Ion Ratio Lower Upper
93 100
66 0.5 32.5 48.7#
65 24.1 16.4 24.6



#7
Phenol-d6
Concen: 22.062 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.018 min
Lab File: BF136414.D
Acq: 05 Dec 2023 19:19

Tgt Ion: 99 Resp: 221900
Ion Ratio Lower Upper
99 100
42 15.3 12.8 19.2
71 33.0 27.0 40.4





#11

bis(2-Chloroethyl)ether

Concen: 26.777 ng

RT: 6.534 min Scan# 7

Delta R.T. -0.012 min

Lab File: BF136414.D

Acq: 05 Dec 2023 19:19

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILD

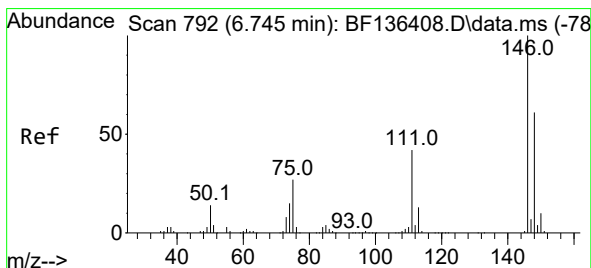
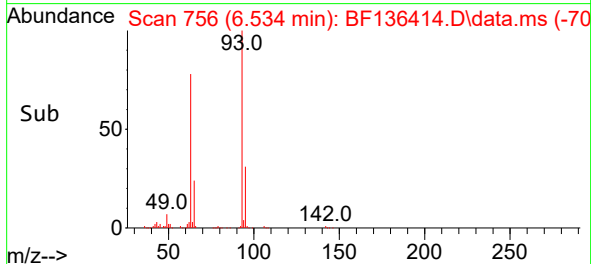
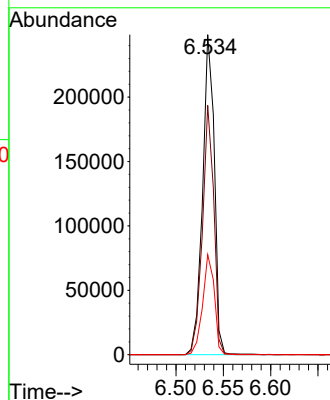
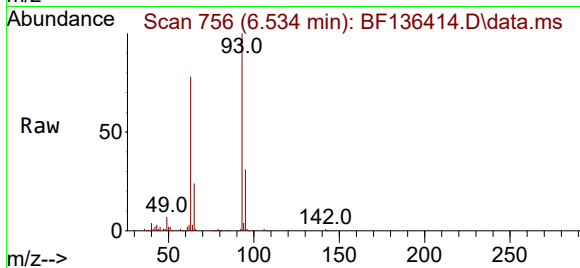
Tgt Ion: 93 Resp: 213612

Ion Ratio Lower Upper

93 100

63 77.9 56.8 96.8

95 31.2 11.8 51.8



#12

1,3-Dichlorobenzene

Concen: 20.852 ng

RT: 6.816 min Scan# 804

Delta R.T. 0.070 min

Lab File: BF136414.D

Acq: 05 Dec 2023 19:19

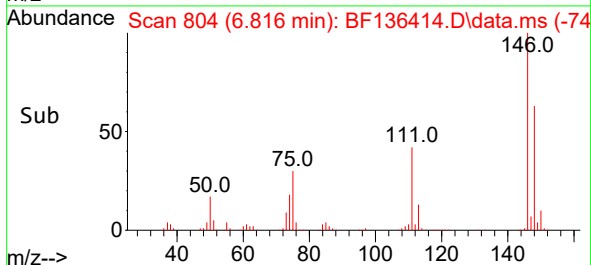
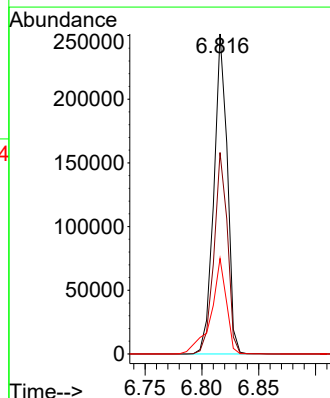
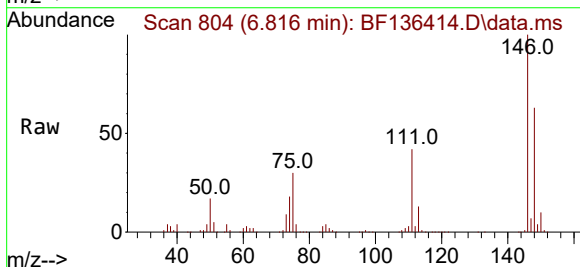
Tgt Ion:146 Resp: 206376

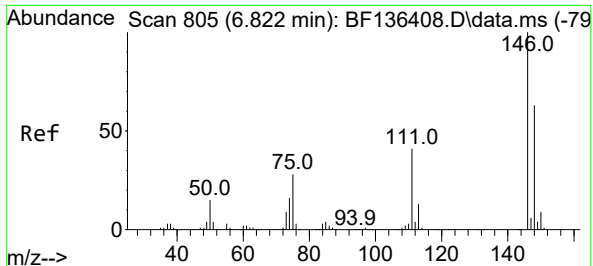
Ion Ratio Lower Upper

146 100

148 63.0 49.0 73.6

75 29.9 21.8 32.6





#13

1,4-Dichlorobenzene

Concen: 20.555 ng

RT: 6.816 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF136414.D

Acq: 05 Dec 2023 19:19

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILD

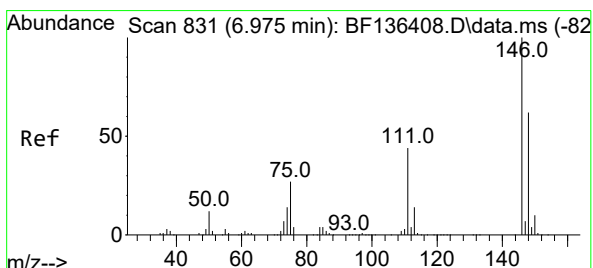
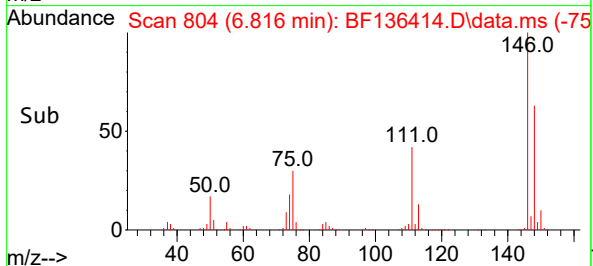
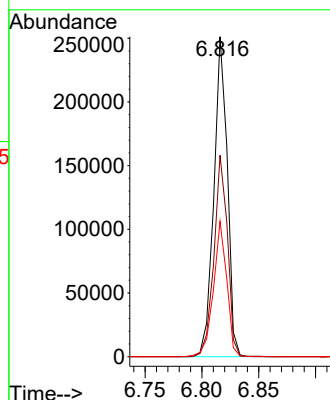
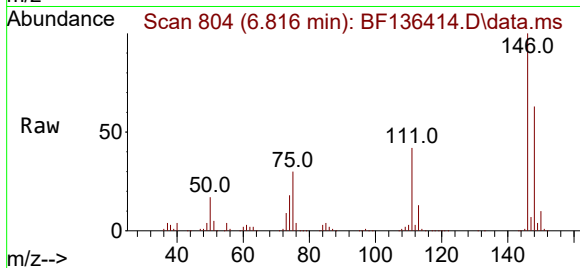
Tgt Ion:146 Resp: 206376

Ion Ratio Lower Upper

146 100

148 63.0 50.3 75.5

111 42.3 32.6 49.0



#14

1,2-Dichlorobenzene

Concen: 17.047 ng

RT: 6.969 min Scan# 830

Delta R.T. -0.006 min

Lab File: BF136414.D

Acq: 05 Dec 2023 19:19

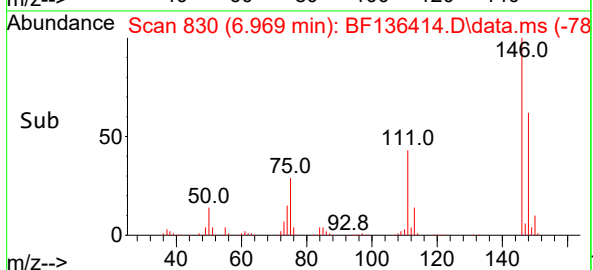
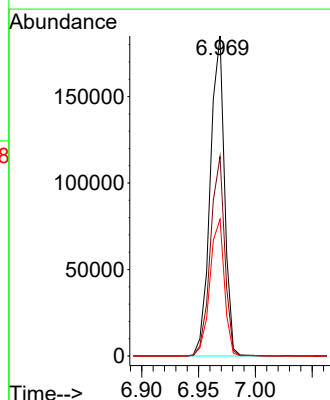
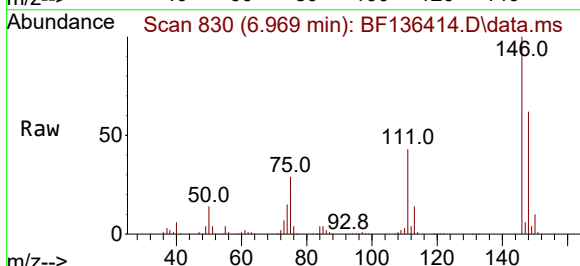
Tgt Ion:146 Resp: 160946

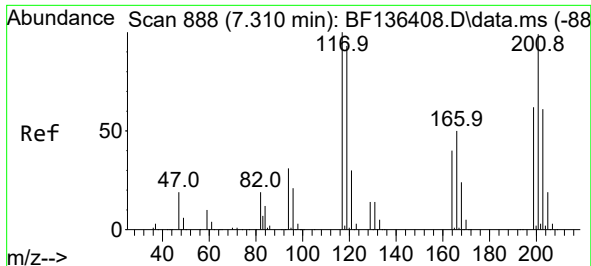
Ion Ratio Lower Upper

146 100

148 62.3 49.8 74.6

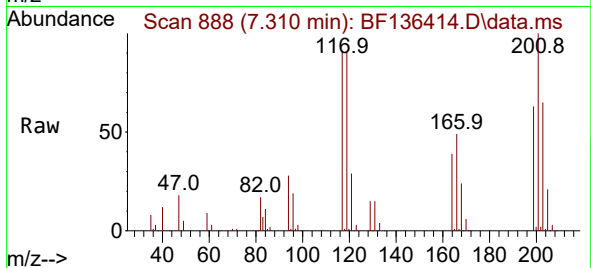
111 42.8 34.9 52.3



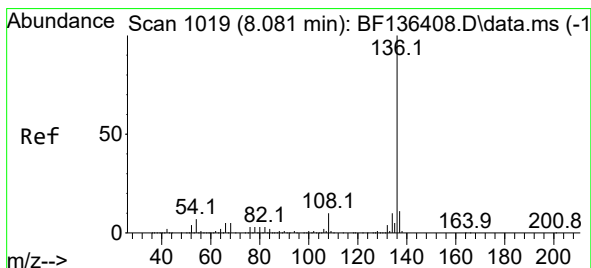
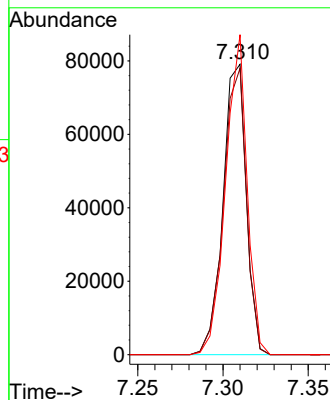
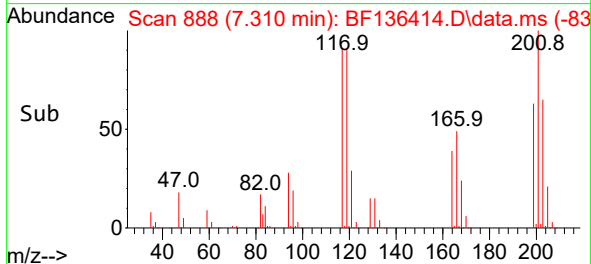


#18
Hexachloroethane
Concen: 21.550 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.000 min
Lab File: BF136414.D
Acq: 05 Dec 2023 19:19

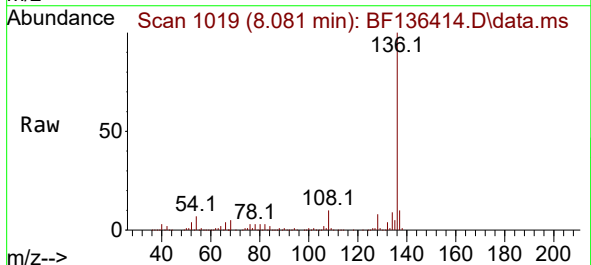
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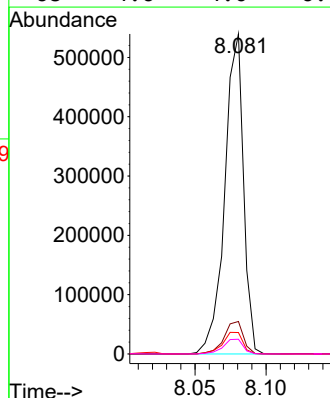
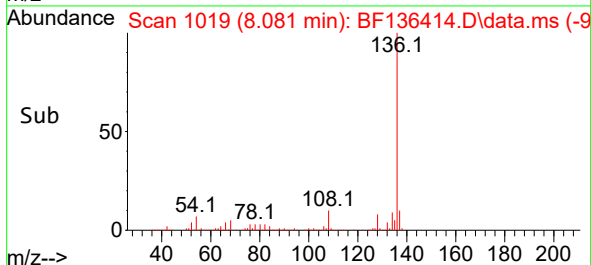
Tgt Ion:117 Resp: 75541
Ion Ratio Lower Upper
117 100
119 98.7 74.3 111.5
201 110.2 79.3 118.9

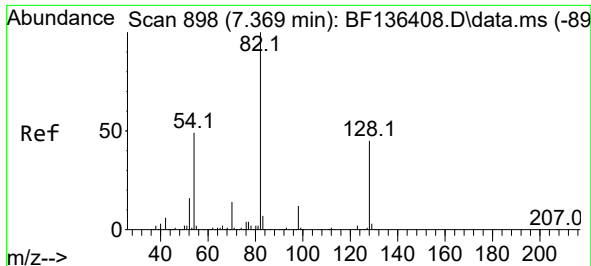


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF136414.D
Acq: 05 Dec 2023 19:19



Tgt Ion:136 Resp: 494796
Ion Ratio Lower Upper
136 100
137 10.1 8.6 12.8
54 6.7 5.7 8.5
68 4.6 4.0 6.0





#23

Nitrobenzene-d5

Concen: 15.000 ng

RT: 7.357 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136414.D

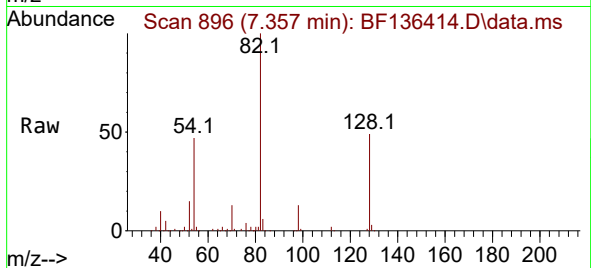
Acq: 05 Dec 2023 19:19

Instrument :

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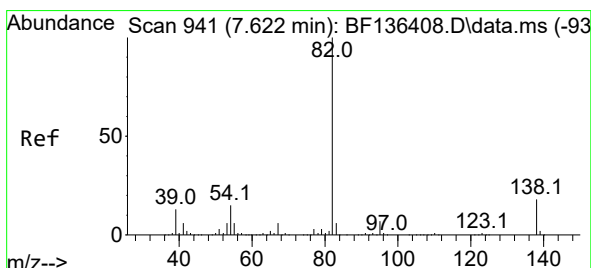
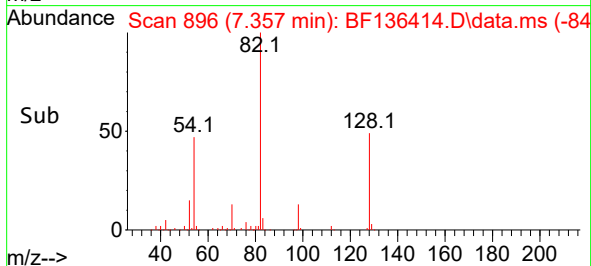
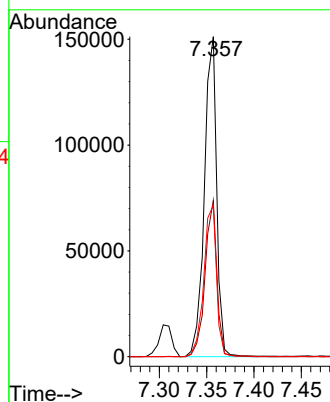
Tgt Ion: 82 Resp: 137289

Ion Ratio Lower Upper

82 100

128 48.8 36.3 54.5

54 47.3 39.0 58.6



#25

Isophorone

Concen: 33.518 ng

RT: 7.616 min Scan# 940

Delta R.T. -0.006 min

Lab File: BF136414.D

Acq: 05 Dec 2023 19:19

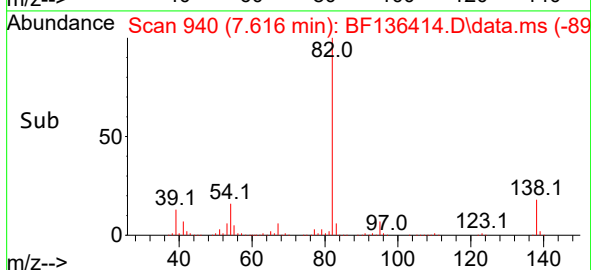
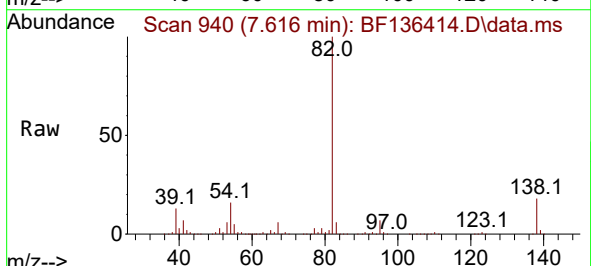
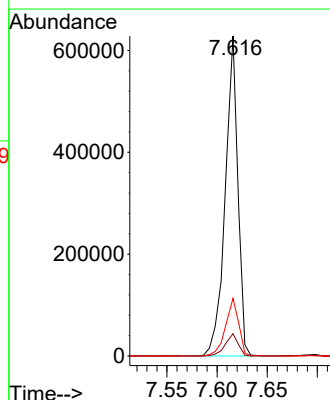
Tgt Ion: 82 Resp: 551161

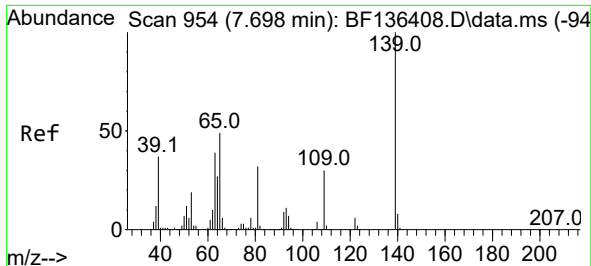
Ion Ratio Lower Upper

82 100

95 6.9 5.7 8.5

138 18.0 14.5 21.7

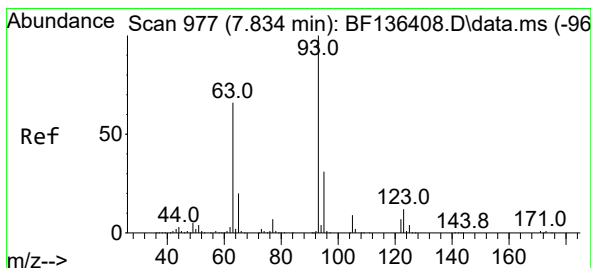
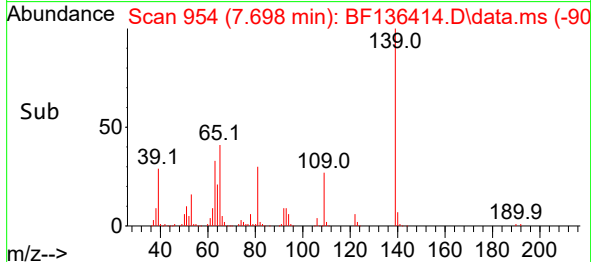
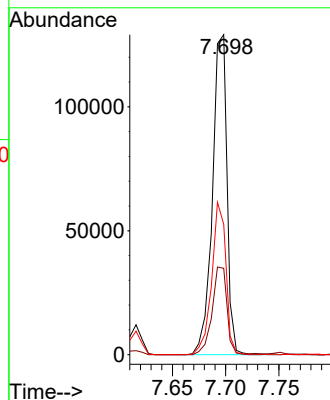
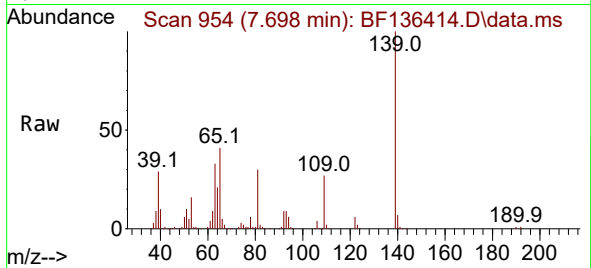




#26
2-Nitrophenol
Concen: 27.189 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF136414.D
Acq: 05 Dec 2023 19:19

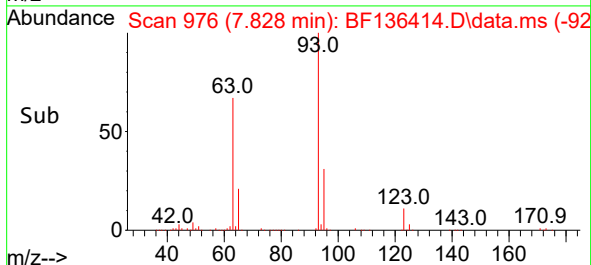
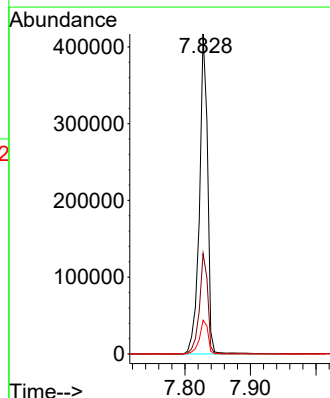
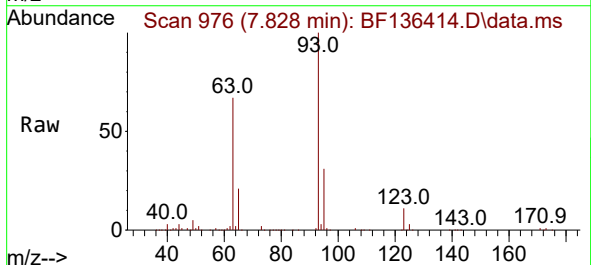
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOILD

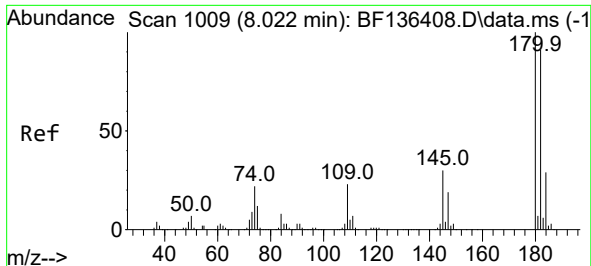
Tgt Ion:139 Resp: 123070
Ion Ratio Lower Upper
139 100
109 27.0 23.6 35.4
65 40.7 39.4 59.2



#28
bis(2-Chloroethoxy)methane
Concen: 35.877 ng
RT: 7.828 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF136414.D
Acq: 05 Dec 2023 19:19

Tgt Ion: 93 Resp: 362512
Ion Ratio Lower Upper
93 100
95 31.4 25.0 37.4
123 10.5 9.4 14.0

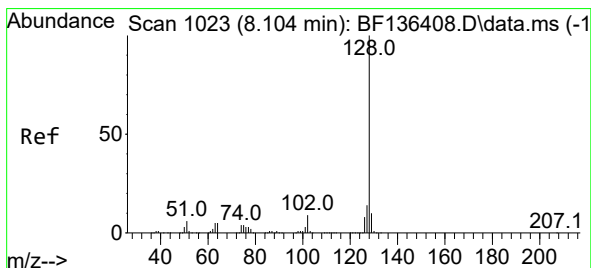
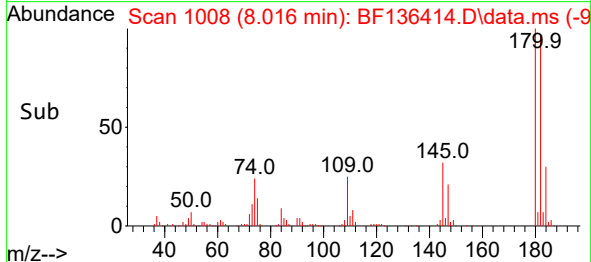
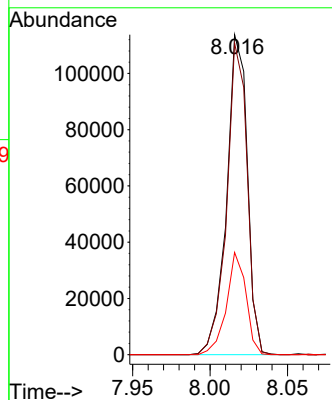
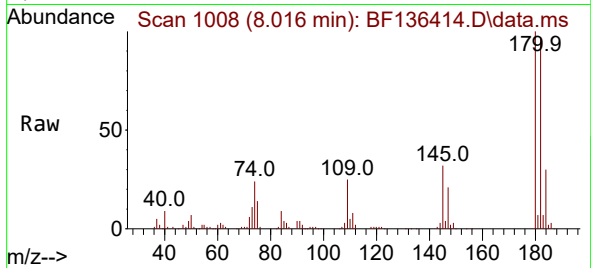




#30
1,2,4-Trichlorobenzene
Concen: 12.326 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF136414.D
Acq: 05 Dec 2023 19:19

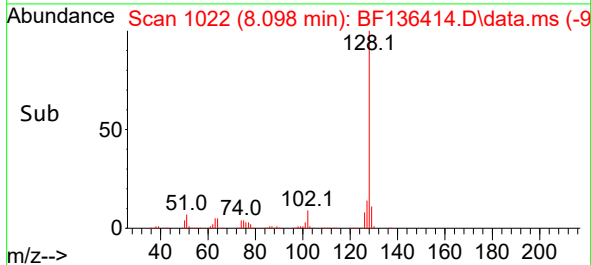
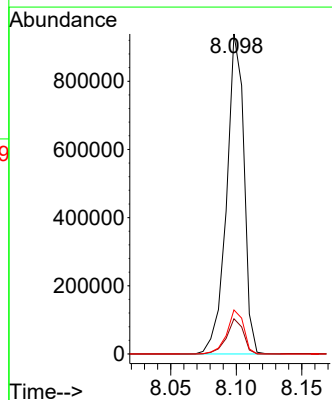
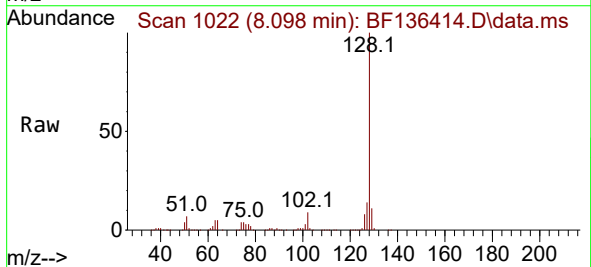
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOILD

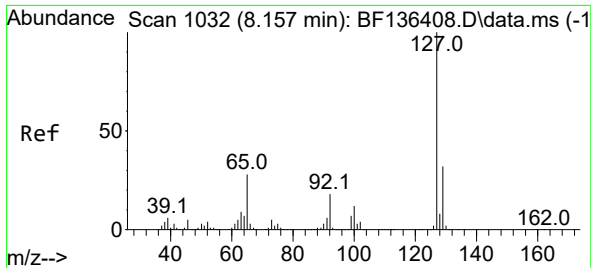
Tgt Ion:180 Resp: 105887
Ion Ratio Lower Upper
180 100
182 97.3 73.1 109.7
145 32.0 23.8 35.8



#31
Naphthalene
Concen: 31.730 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF136414.D
Acq: 05 Dec 2023 19:19

Tgt Ion:128 Resp: 865795
Ion Ratio Lower Upper
128 100
129 11.0 8.3 12.5
127 13.7 11.1 16.7

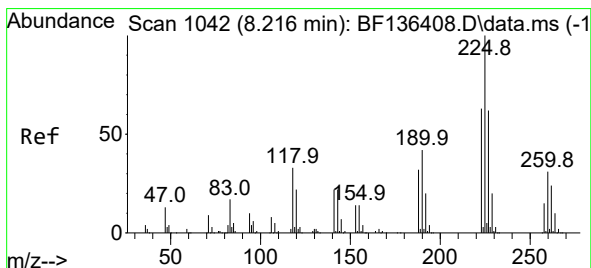
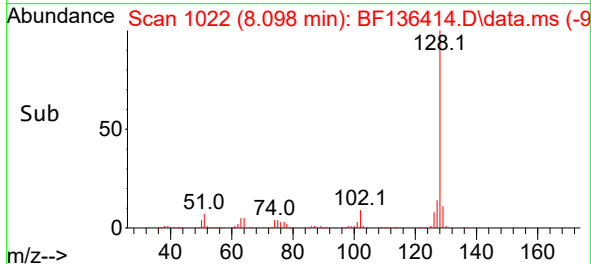
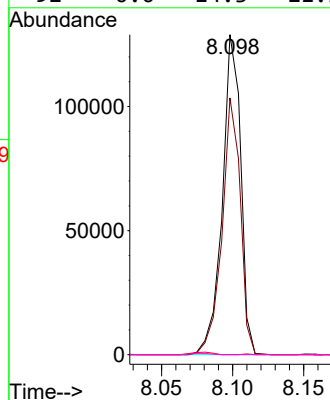
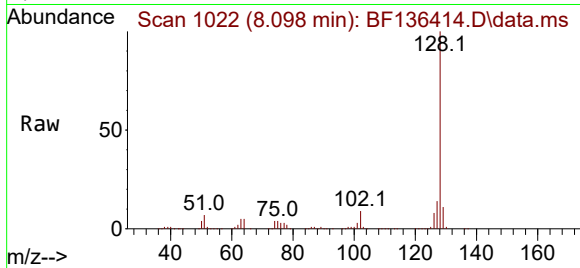




#33
4-Chloroaniline
Concen: 11.881 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.059 min
Lab File: BF136414.D
Acq: 05 Dec 2023 19:19

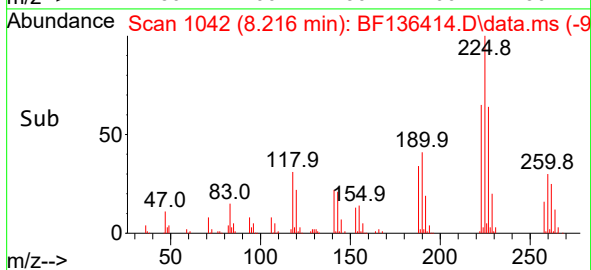
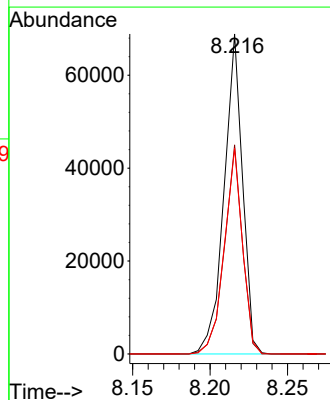
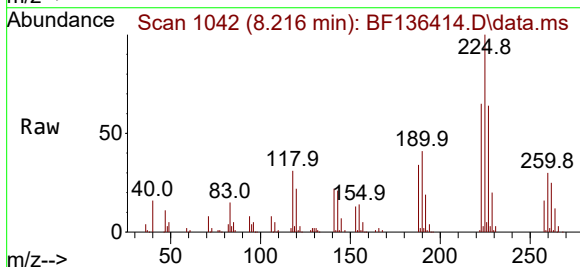
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOILD

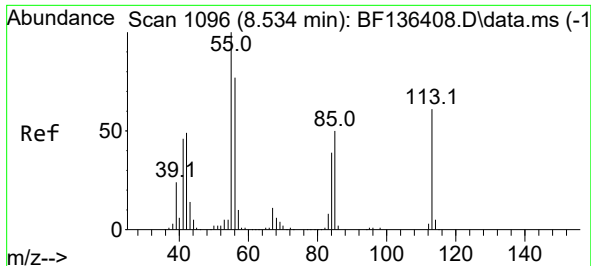
Tgt Ion:127	Resp:	115575
Ion Ratio	Lower	Upper
127	100	
129	80.3	25.4 38.2#
65	0.0	22.5 33.7#
92	0.0	14.3 21.5#



#34
Hexachlorobutadiene
Concen: 11.201 ng
RT: 8.216 min Scan# 1042
Delta R.T. -0.000 min
Lab File: BF136414.D
Acq: 05 Dec 2023 19:19

Tgt Ion:225	Resp:	57028
Ion Ratio	Lower	Upper
225	100	
223	65.3	50.8 76.2
227	64.3	49.8 74.8

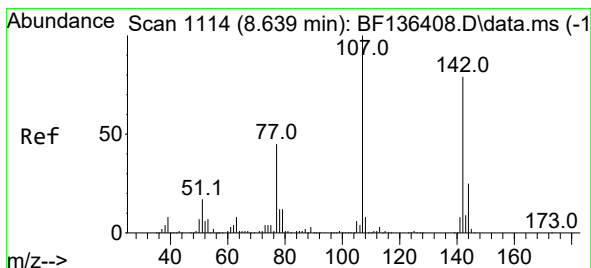
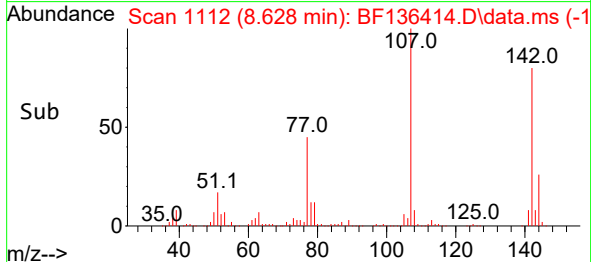
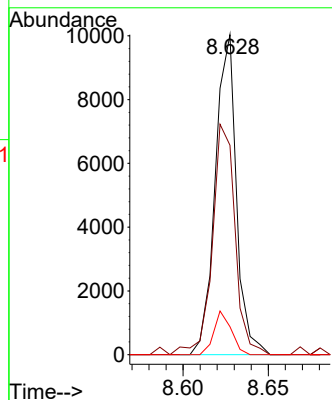
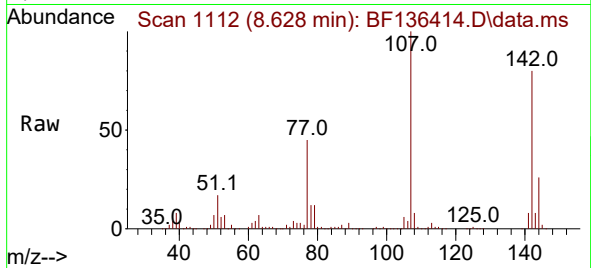




#35
 Caprolactam
 Concen: 3.822 ng
 RT: 8.628 min Scan# 1112
 Delta R.T. 0.094 min
 Lab File: BF136414.D
 Acq: 05 Dec 2023 19:19

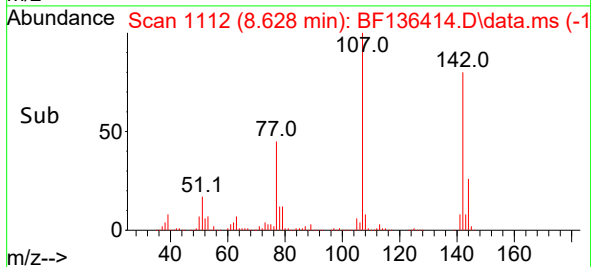
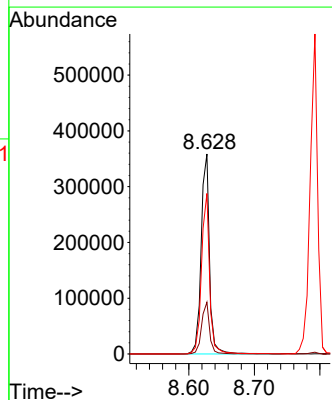
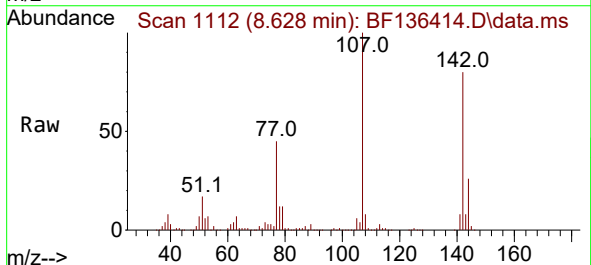
Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOILD

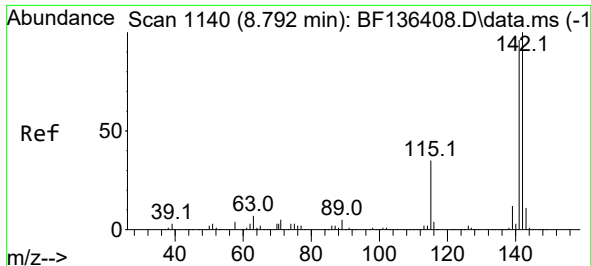
Tgt Ion:113 Resp: 8671
 Ion Ratio Lower Upper
 113 100
 55 65.4 143.7 183.7#
 56 8.7 105.2 145.2#



#36
 4-Chloro-3-methylphenol
 Concen: 40.742 ng
 RT: 8.628 min Scan# 1112
 Delta R.T. -0.012 min
 Lab File: BF136414.D
 Acq: 05 Dec 2023 19:19

Tgt Ion:107 Resp: 318701
 Ion Ratio Lower Upper
 107 100
 144 25.9 20.1 30.1
 142 80.3 63.1 94.7

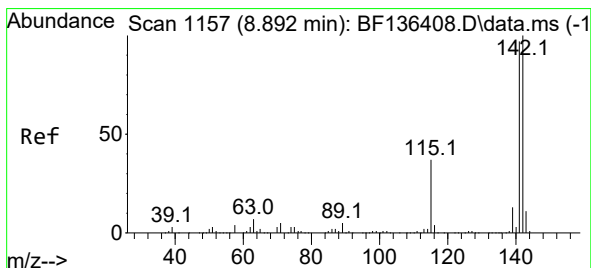
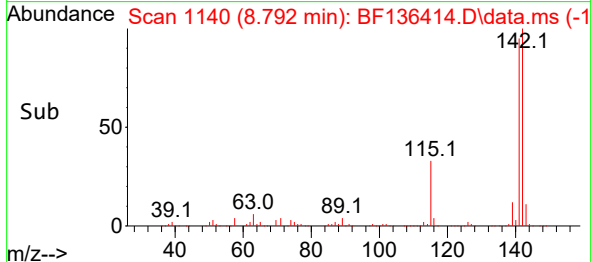
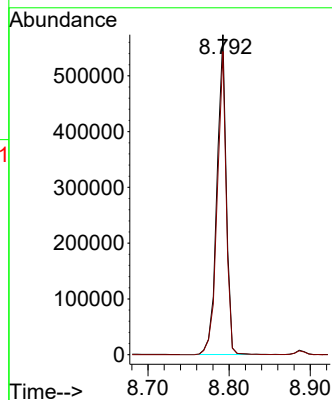
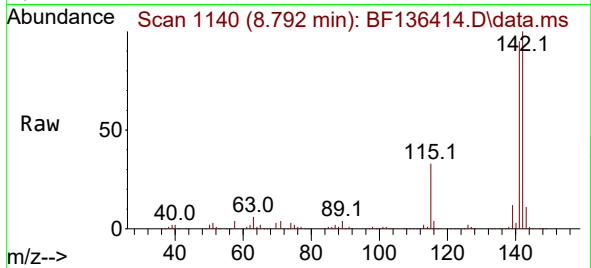




#37
2-Methylnaphthalene
Concen: 26.308 ng
RT: 8.792 min Scan# 1140
Delta R.T. -0.000 min
Lab File: BF136414.D
Acq: 05 Dec 2023 19:19

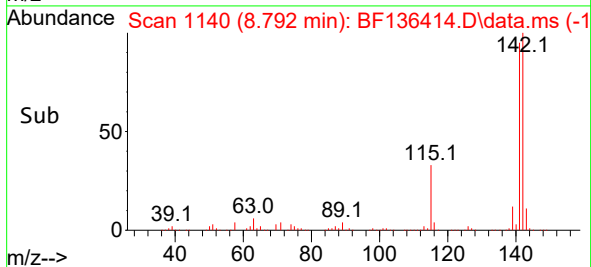
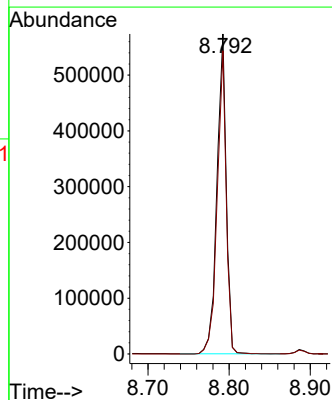
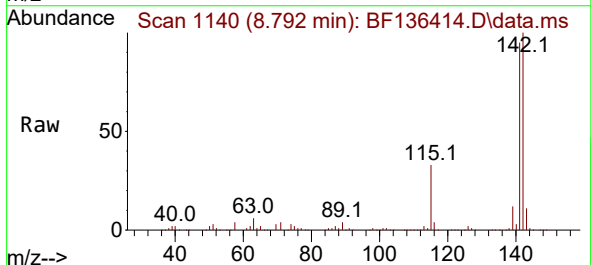
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOILDL

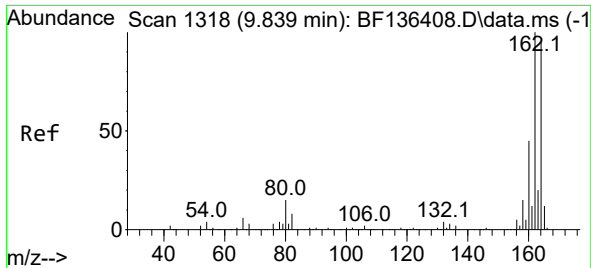
Tgt Ion:142 Resp: 456675
Ion Ratio Lower Upper
142 100
141 94.7 76.4 114.6



#38
1-Methylnaphthalene
Concen: 26.803 ng
RT: 8.792 min Scan# 1140
Delta R.T. -0.100 min
Lab File: BF136414.D
Acq: 05 Dec 2023 19:19

Tgt Ion:142 Resp: 456560
Ion Ratio Lower Upper
142 100
141 94.7 77.7 116.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136414.D

Acq: 05 Dec 2023 19:19

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILDL

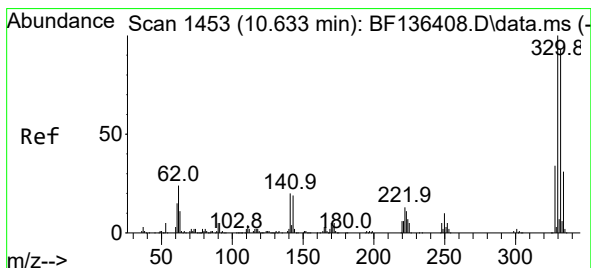
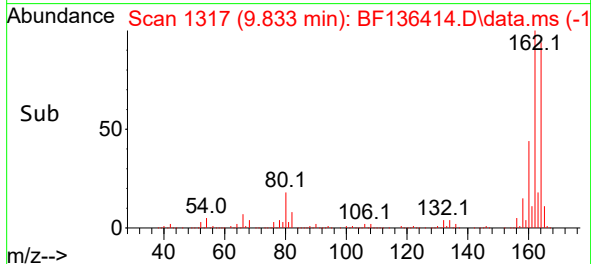
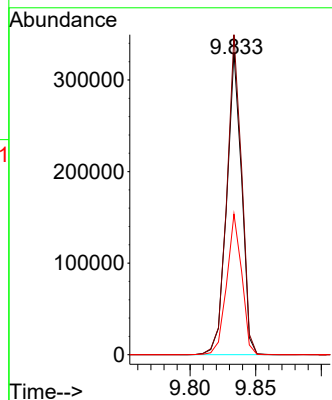
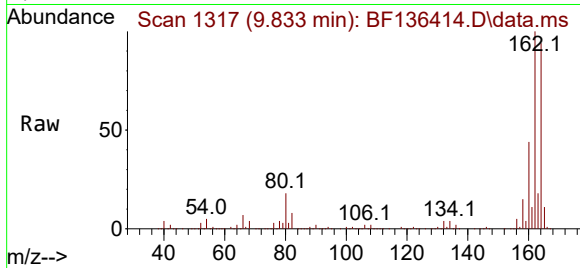
Tgt Ion:164 Resp: 259687

Ion Ratio Lower Upper

164 100

162 105.8 84.4 126.6

160 46.5 37.6 56.4



#42

2,4,6-Tribromophenol

Concen: 22.632 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF136414.D

Acq: 05 Dec 2023 19:19

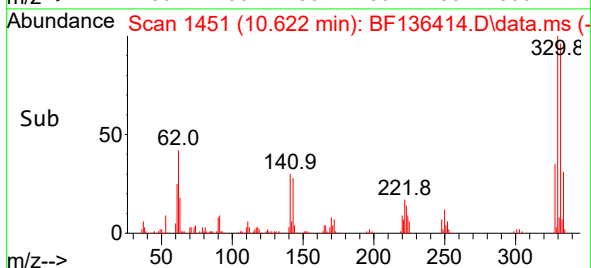
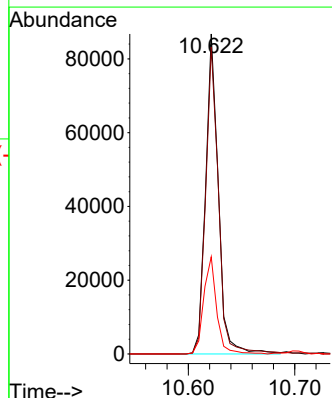
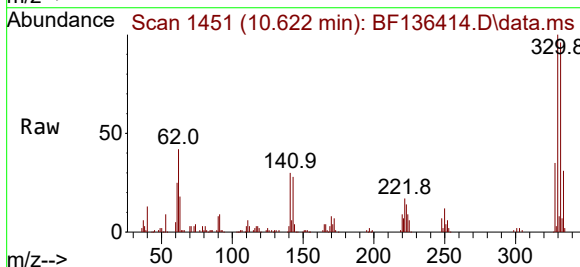
Tgt Ion:330 Resp: 72467

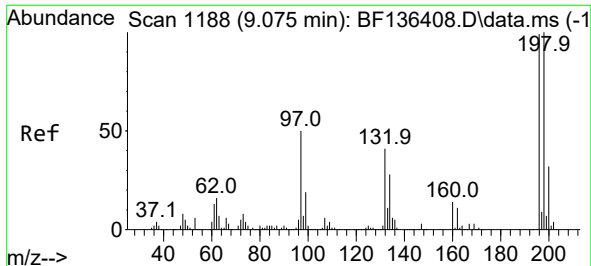
Ion Ratio Lower Upper

330 100

332 96.6 76.4 114.6

141 30.8 23.4 35.2

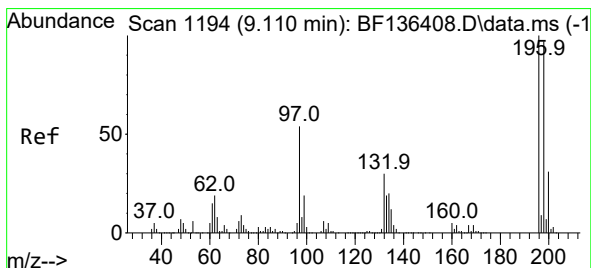
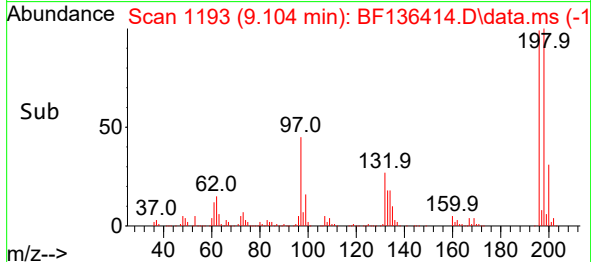
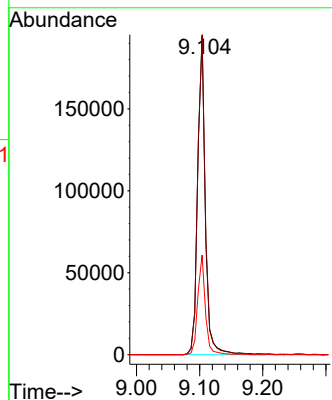
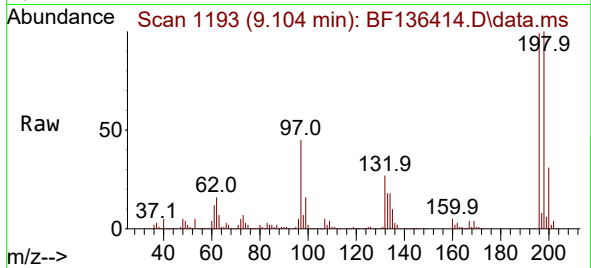




#43
 2,4,6-Trichlorophenol
 Concen: 31.116 ng
 RT: 9.104 min Scan# 1193
 Delta R.T. 0.029 min
 Lab File: BF136414.D
 Acq: 05 Dec 2023 19:19

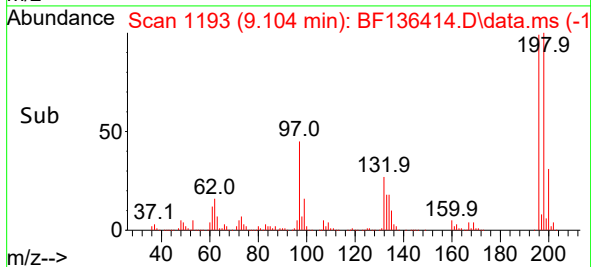
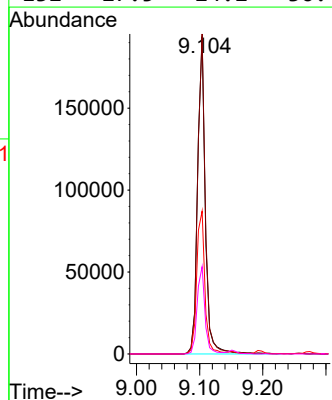
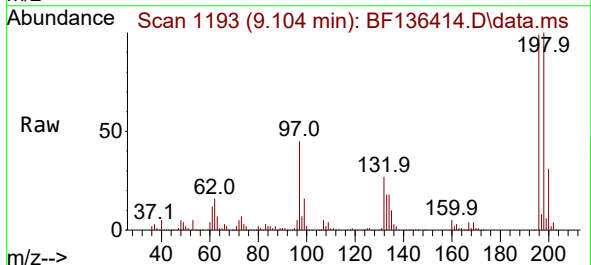
Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOILDL

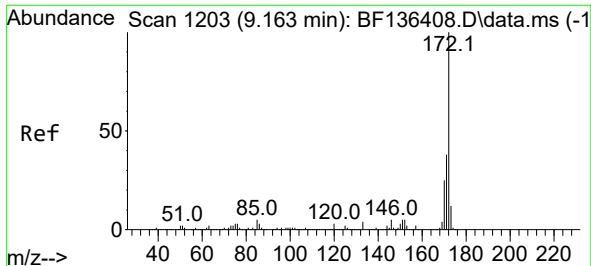
Tgt Ion:196 Resp: 163689
 Ion Ratio Lower Upper
 196 100
 198 100.8 80.4 120.6
 200 31.4 25.9 38.9



#44
 2,4,5-Trichlorophenol
 Concen: 27.879 ng
 RT: 9.104 min Scan# 1193
 Delta R.T. -0.006 min
 Lab File: BF136414.D
 Acq: 05 Dec 2023 19:19

Tgt Ion:196 Resp: 163689
 Ion Ratio Lower Upper
 196 100
 198 100.8 78.1 117.1
 97 45.0 43.4 65.2
 132 27.5 24.2 36.4

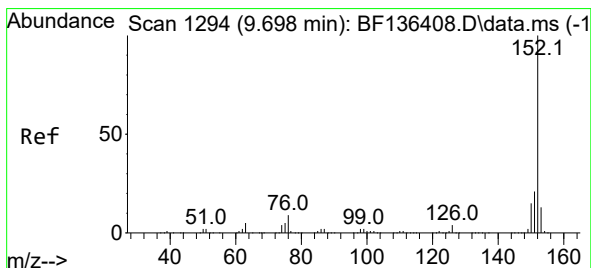
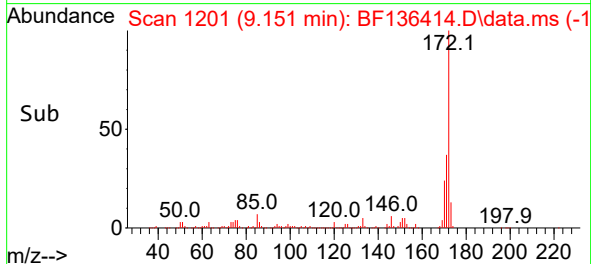
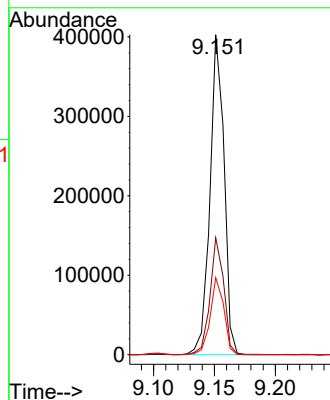
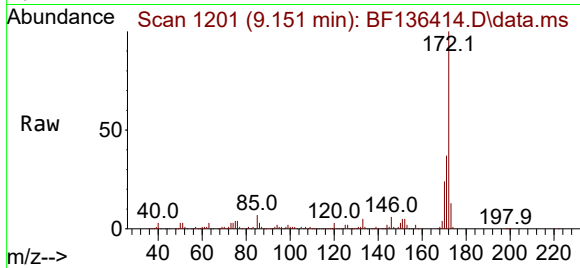




#45
2-Fluorobiphenyl
Concen: 17.027 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136414.D
Acq: 05 Dec 2023 19:19

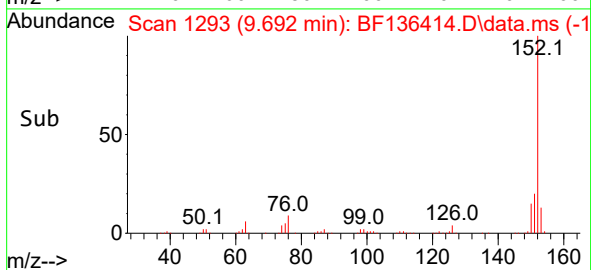
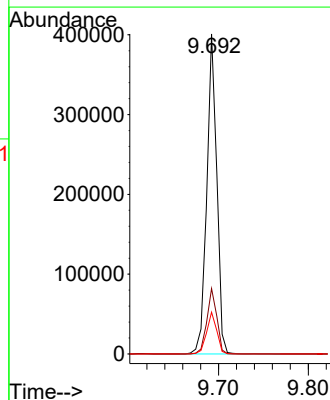
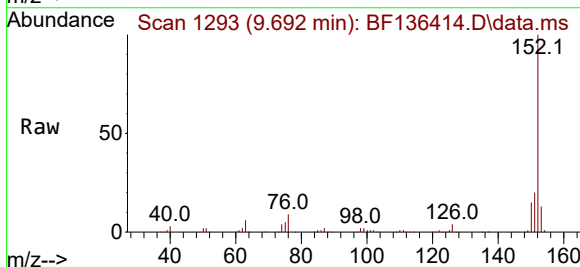
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOILDL

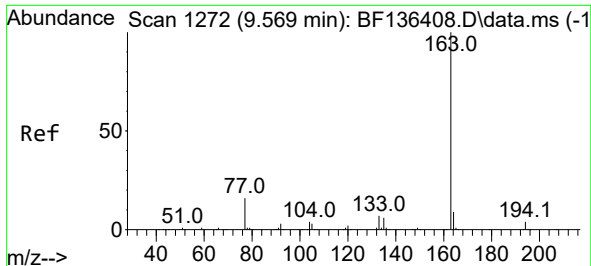
Tgt Ion:172 Resp: 324059
Ion Ratio Lower Upper
172 100
171 36.6 30.5 45.7
170 24.0 19.9 29.9



#49
Acenaphthylene
Concen: 12.628 ng
RT: 9.692 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BF136414.D
Acq: 05 Dec 2023 19:19

Tgt Ion:152 Resp: 309380
Ion Ratio Lower Upper
152 100
151 20.4 17.2 25.8
153 13.1 10.6 15.8

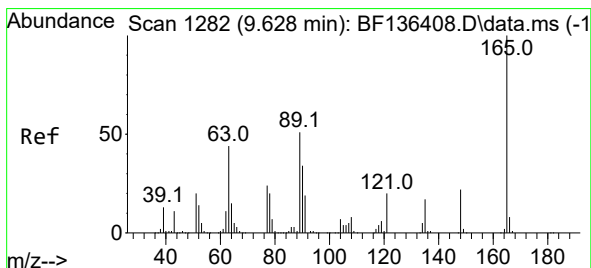
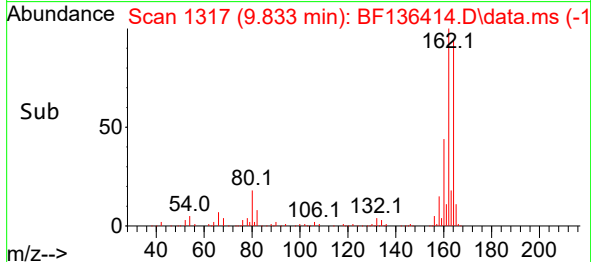
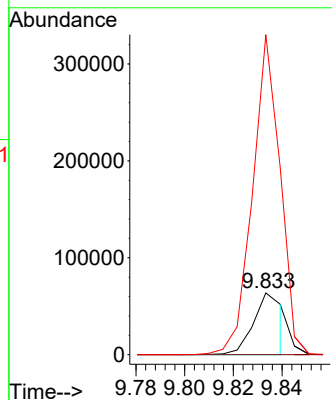
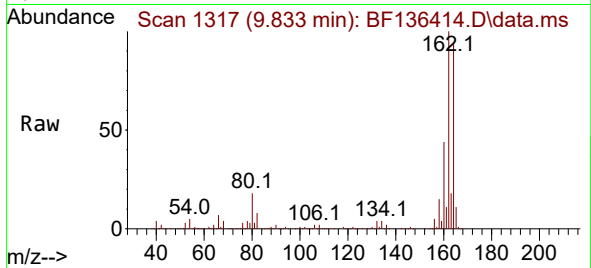




#50
Dimethylphthalate
Concen: 2.758 ng
RT: 9.833 min Scan# 11
Delta R.T. 0.265 min
Lab File: BF136414.D
Acq: 05 Dec 2023 19:19

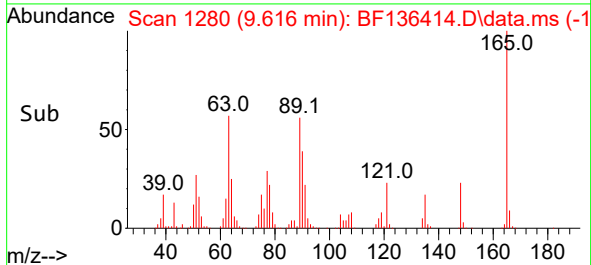
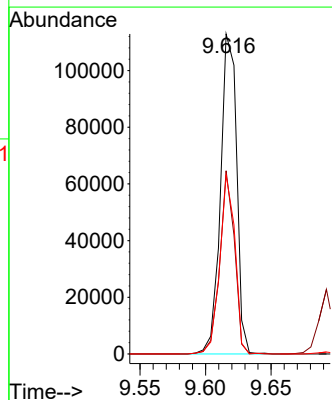
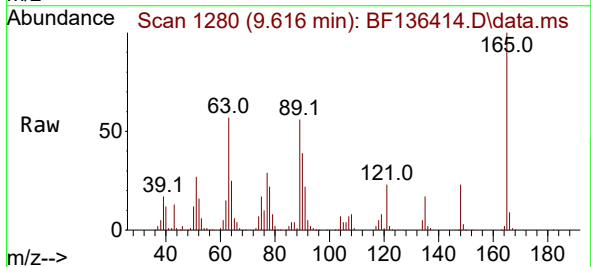
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOILDL

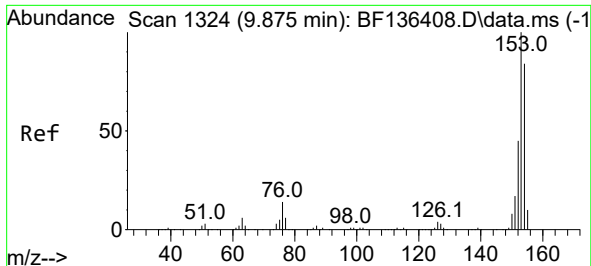
Tgt Ion:163 Resp: 52736
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 518.6 7.4 11.2#



#51
2,6-Dinitrotoluene
Concen: 22.396 ng
RT: 9.616 min Scan# 1280
Delta R.T. -0.012 min
Lab File: BF136414.D
Acq: 05 Dec 2023 19:19

Tgt Ion:165 Resp: 96331
Ion Ratio Lower Upper
165 100
63 57.2 40.4 60.6
89 55.9 40.6 60.8

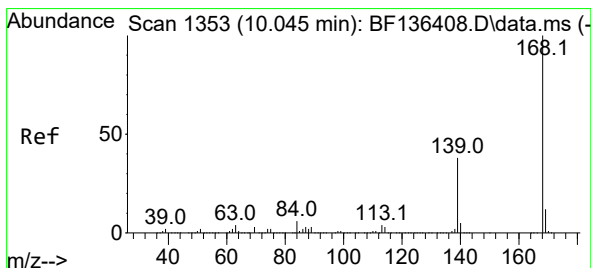
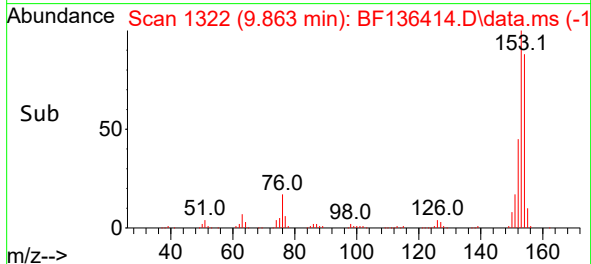
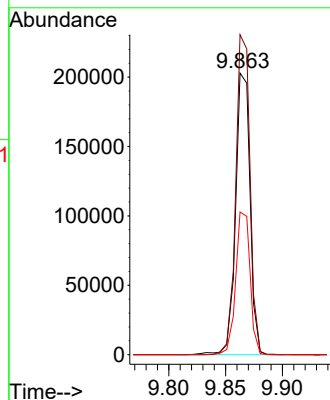
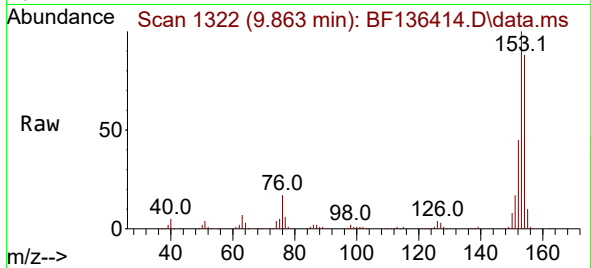




#52
Acenaphthene
Concen: 11.379 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136414.D
Acq: 05 Dec 2023 19:19

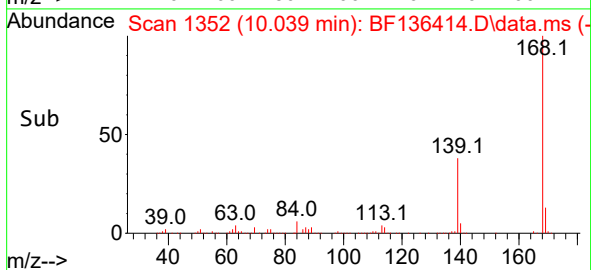
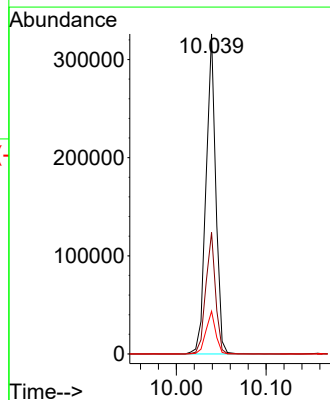
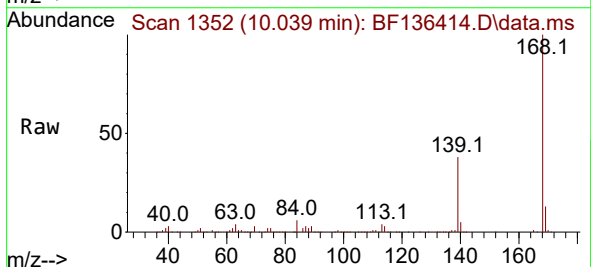
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOILD

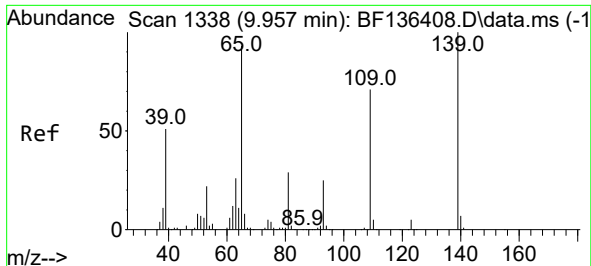
Tgt Ion:154 Resp: 178612
Ion Ratio Lower Upper
154 100
153 113.7 95.3 142.9
152 50.7 43.2 64.8



#55
Dibenzofuran
Concen: 10.713 ng
RT: 10.039 min Scan# 1352
Delta R.T. -0.006 min
Lab File: BF136414.D
Acq: 05 Dec 2023 19:19

Tgt Ion:168 Resp: 245697
Ion Ratio Lower Upper
168 100
139 37.9 30.4 45.6
169 13.3 9.9 14.9





#56

4-Nitrophenol

Concen: 28.292 ng

RT: 10.039 min Scan# 1

Delta R.T. 0.082 min

Lab File: BF136414.D

Acq: 05 Dec 2023 19:19

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILD

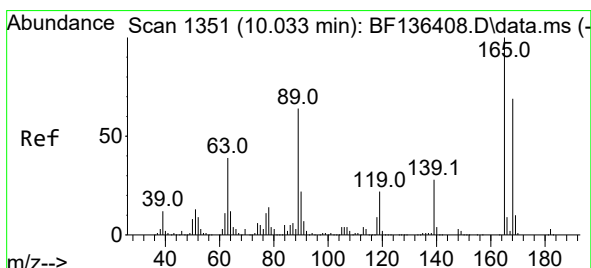
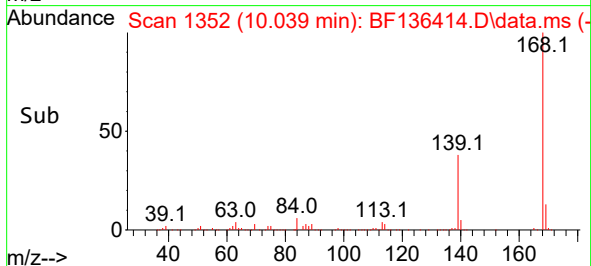
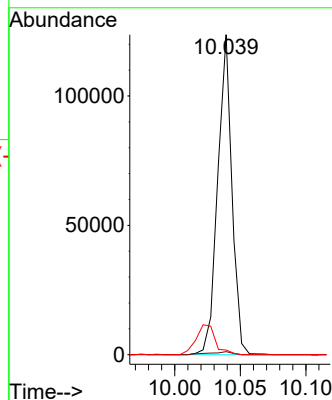
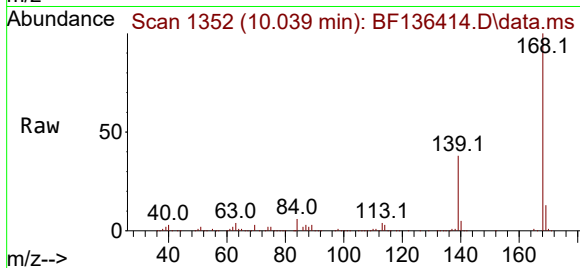
Tgt Ion:139 Resp: 93157

Ion Ratio Lower Upper

139 100

109 0.9 50.6 90.6#

65 1.4 73.1 113.1#



#57

2,4-Dinitrotoluene

Concen: 42.607 ng

RT: 10.027 min Scan# 1350

Delta R.T. -0.006 min

Lab File: BF136414.D

Acq: 05 Dec 2023 19:19

Tgt Ion:165 Resp: 242434

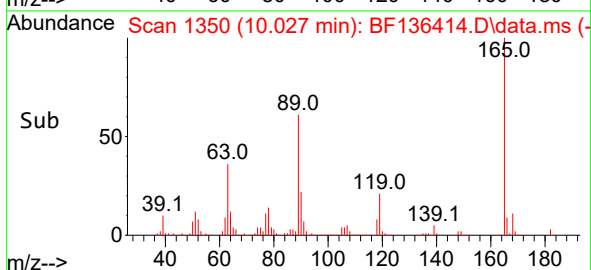
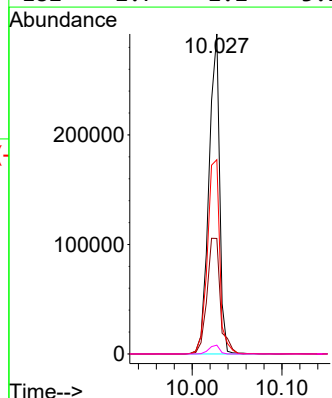
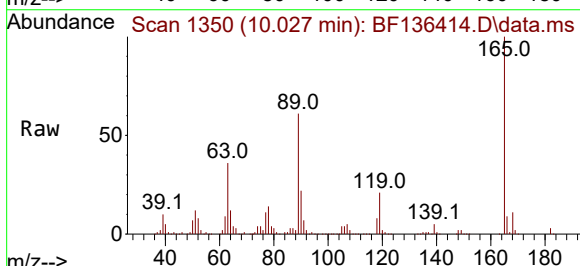
Ion Ratio Lower Upper

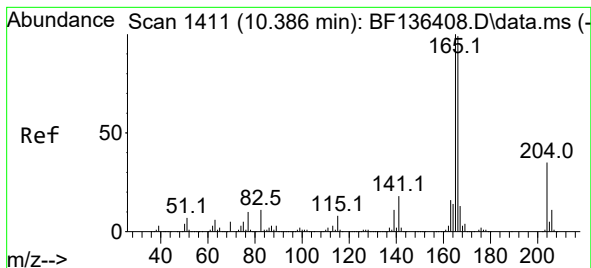
165 100

63 36.1 31.4 47.2

89 60.7 51.7 77.5

182 2.7 2.2 3.2





#58

Fluorene

Concen: 13.271 ng

RT: 10.380 min Scan# 1411

Delta R.T. -0.006 min

Lab File: BF136414.D

Acq: 05 Dec 2023 19:19

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILD

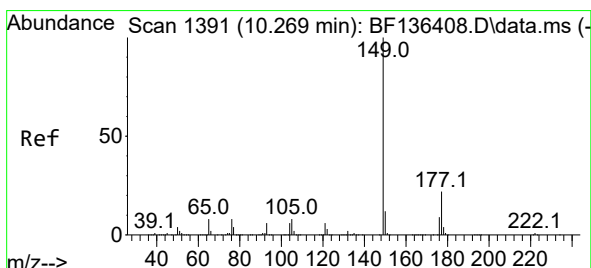
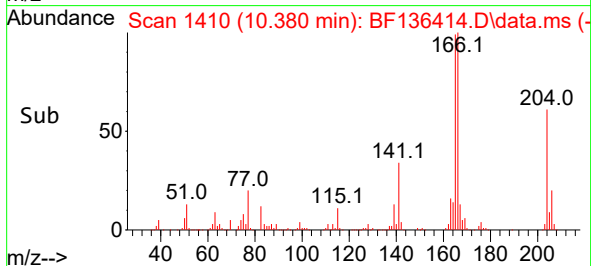
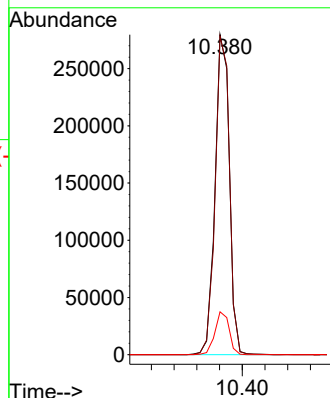
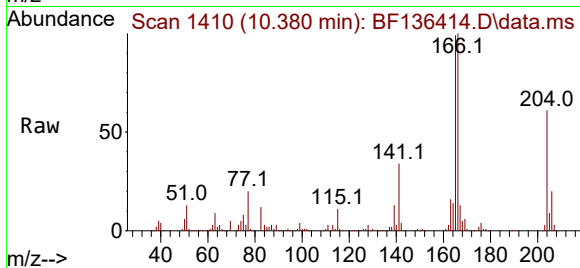
Tgt Ion:166 Resp: 244328

Ion Ratio Lower Upper

166 100

165 99.5 80.5 120.7

167 13.4 10.5 15.7



#60

Diethylphthalate

Concen: 31.394 ng

RT: 10.257 min Scan# 1389

Delta R.T. -0.012 min

Lab File: BF136414.D

Acq: 05 Dec 2023 19:19

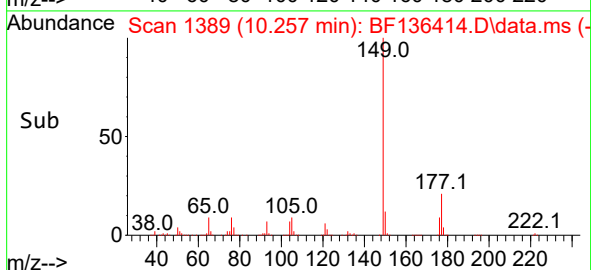
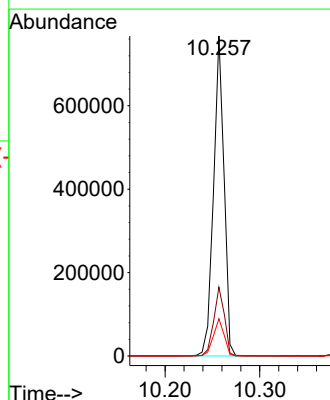
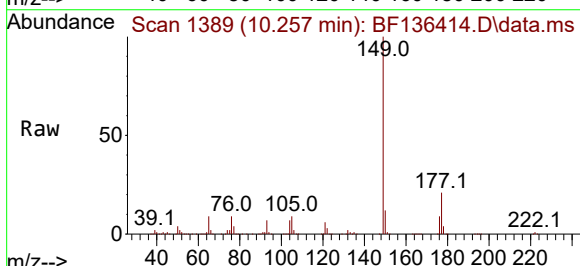
Tgt Ion:149 Resp: 590219

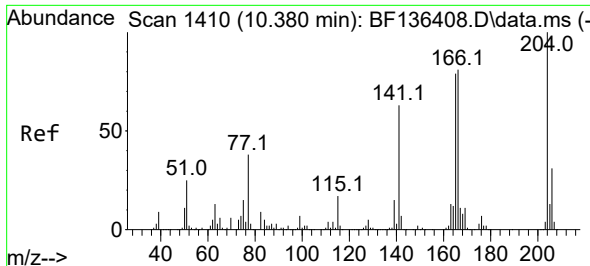
Ion Ratio Lower Upper

149 100

177 21.5 17.8 26.8

150 11.7 9.4 14.0

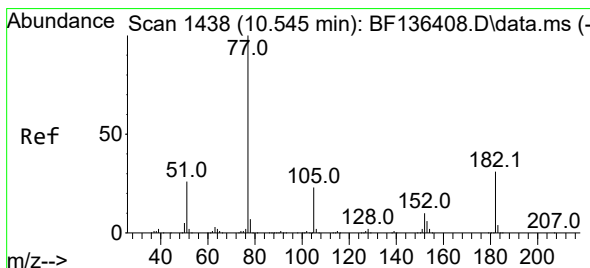
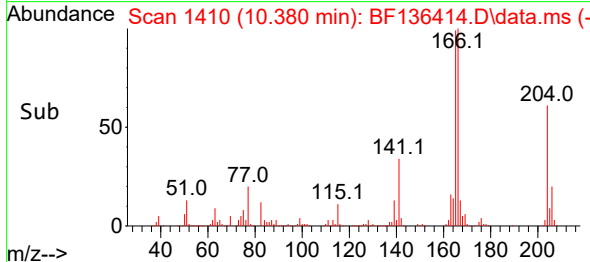
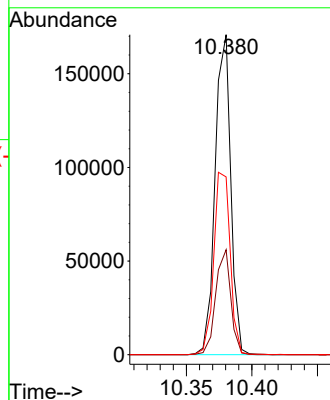
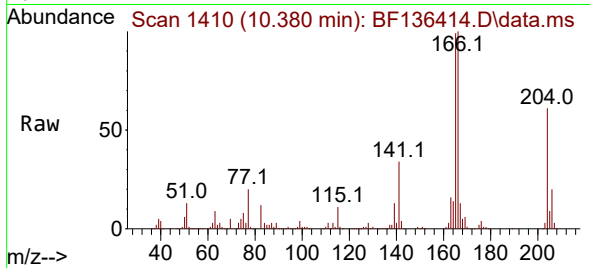




#61
4-Chlorophenyl-phenylether
Concen: 15.790 ng
RT: 10.380 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BF136414.D
Acq: 05 Dec 2023 19:19

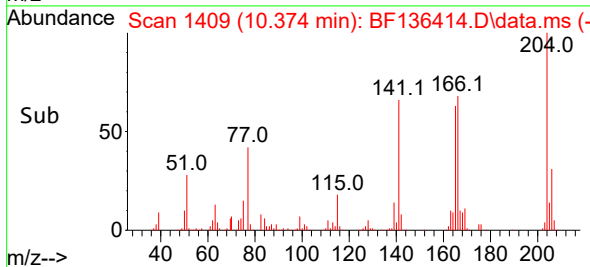
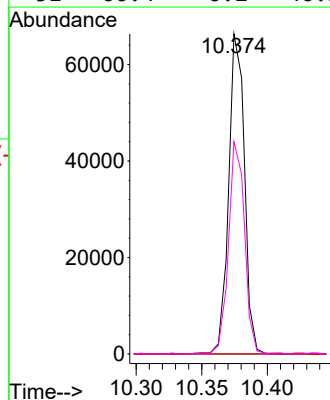
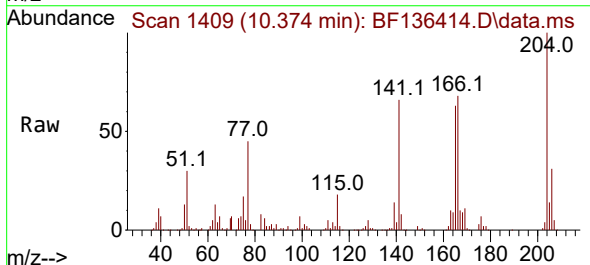
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOILD

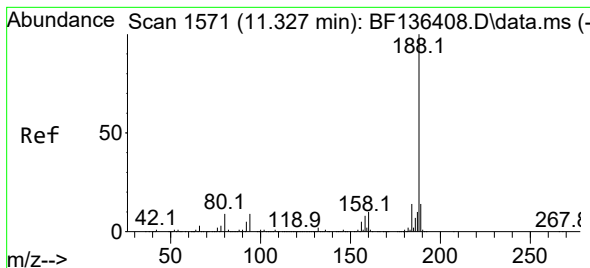
Tgt Ion: 204 Resp: 141716
Ion Ratio Lower Upper
204 100
206 32.8 24.6 36.8
141 55.6 50.3 75.5



#63
Azobenzene
Concen: 3.241 ng
RT: 10.374 min Scan# 1409
Delta R.T. -0.171 min
Lab File: BF136414.D
Acq: 05 Dec 2023 19:19

Tgt Ion: 77 Resp: 55457
Ion Ratio Lower Upper
77 100
182 0.0 10.8 50.8#
105 0.0 2.6 42.6#
51 66.4 6.2 46.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.321 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136414.D

Acq: 05 Dec 2023 19:19

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILD

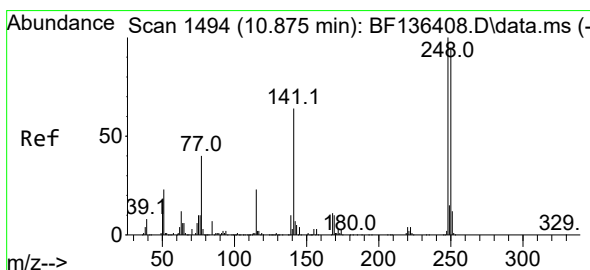
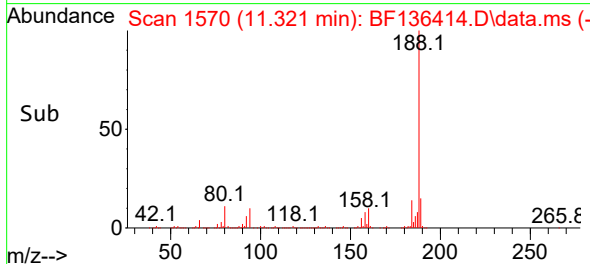
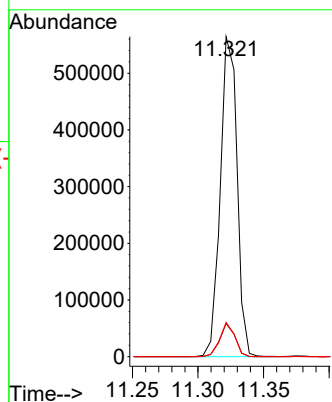
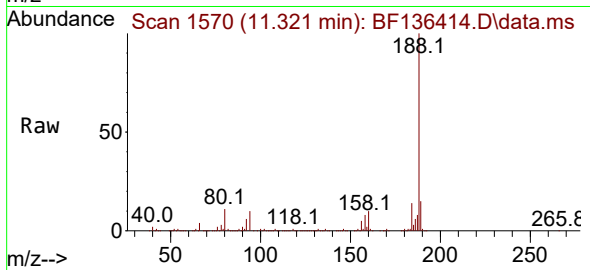
Tgt Ion:188 Resp: 500634

Ion Ratio Lower Upper

188 100

94 10.3 7.2 10.8

80 10.7 7.2 10.8



#67

4-Bromophenyl-phenylether

Concen: 15.663 ng

RT: 10.869 min Scan# 1493

Delta R.T. -0.006 min

Lab File: BF136414.D

Acq: 05 Dec 2023 19:19

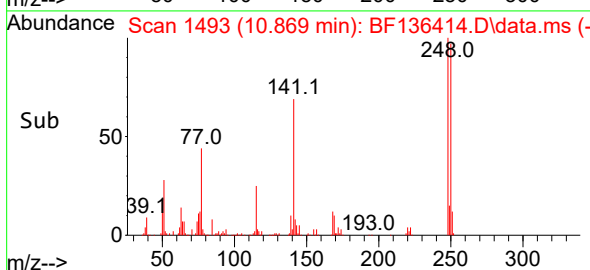
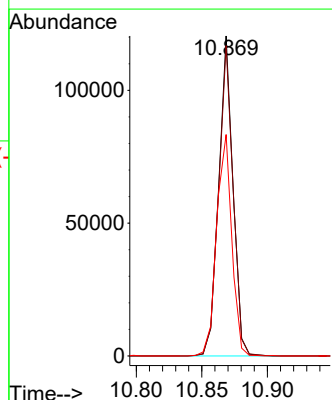
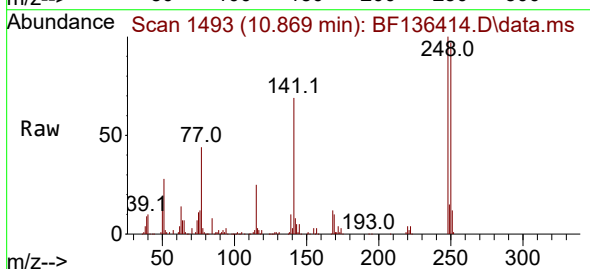
Tgt Ion:248 Resp: 91171

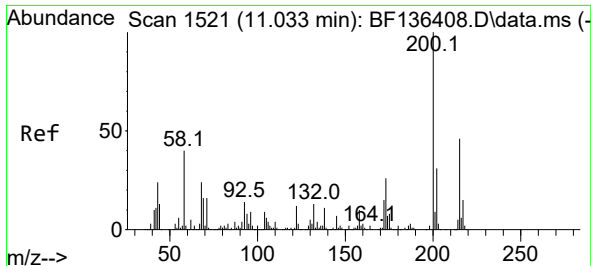
Ion Ratio Lower Upper

248 100

250 97.0 76.2 114.2

141 69.2 51.0 76.4

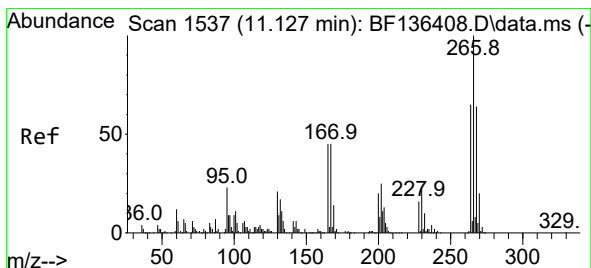
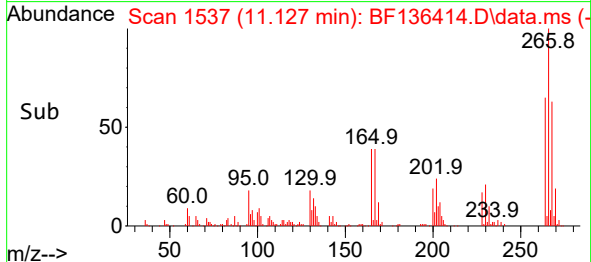
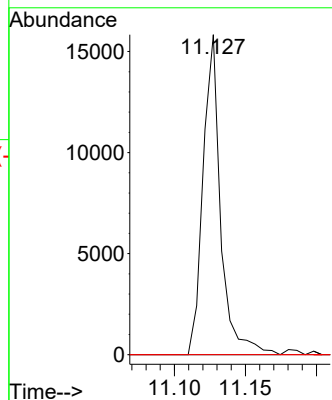
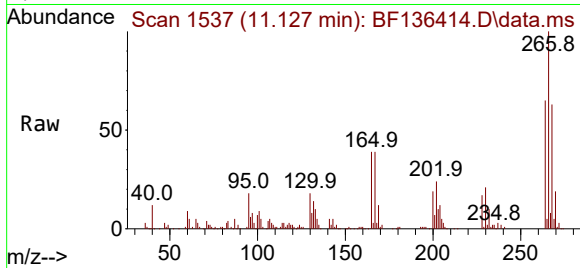




#69
 Atrazine
 Concen: 2.976 ng
 RT: 11.127 min Scan# 1537
 Delta R.T. 0.094 min
 Lab File: BF136414.D
 Acq: 05 Dec 2023 19:19

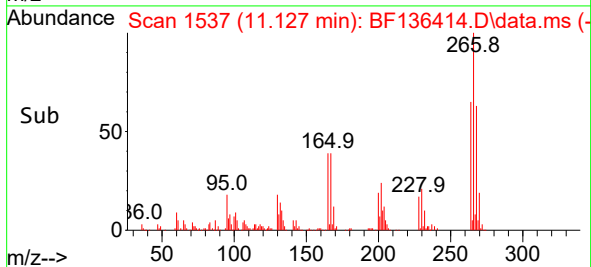
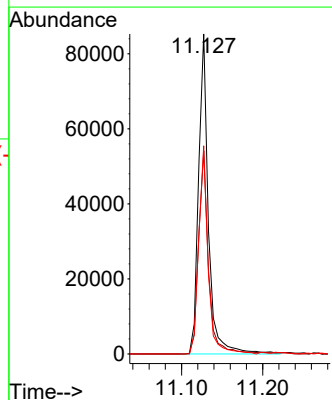
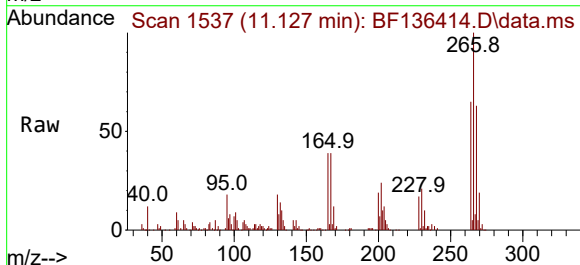
Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOILD

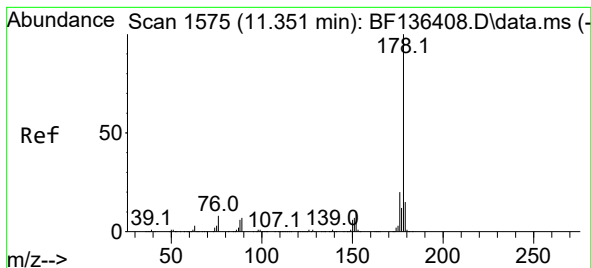
Tgt Ion:200 Resp: 13647
 Ion Ratio Lower Upper
 200 100
 173 0.0 6.0 46.0#
 215 0.0 25.5 65.5#



#70
 Pentachlorophenol
 Concen: 19.096 ng
 RT: 11.127 min Scan# 1537
 Delta R.T. -0.000 min
 Lab File: BF136414.D
 Acq: 05 Dec 2023 19:19

Tgt Ion:266 Resp: 72503
 Ion Ratio Lower Upper
 266 100
 268 63.5 51.0 76.6
 264 65.0 52.2 78.4





#71

Phenanthrene

Concen: 13.081 ng

RT: 11.345 min Scan# 1574

Delta R.T. -0.006 min

Lab File: BF136414.D

Acq: 05 Dec 2023 19:19

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILD

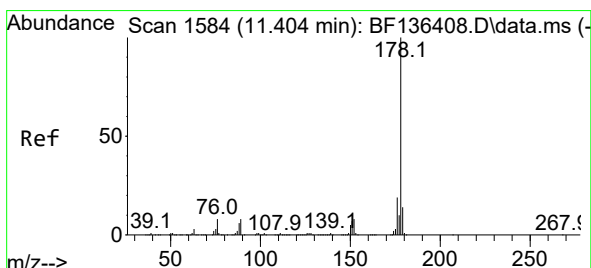
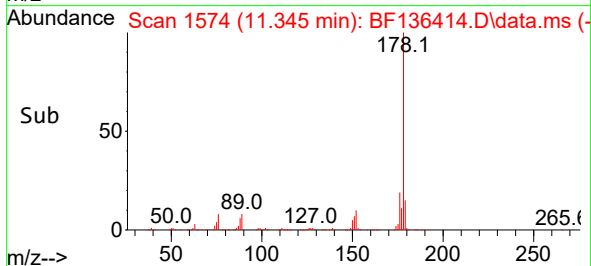
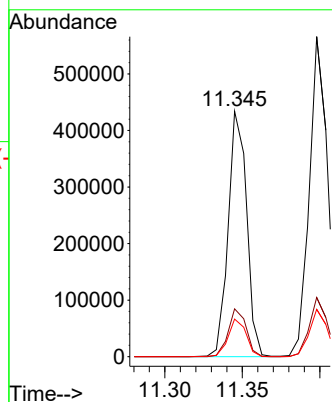
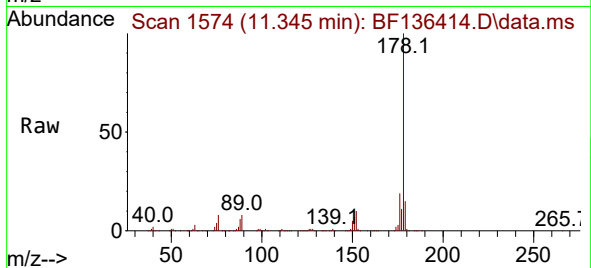
Tgt Ion:178 Resp: 359949

Ion Ratio Lower Upper

178 100

176 19.5 15.9 23.9

179 15.3 11.8 17.6



#72

Anthracene

Concen: 16.399 ng

RT: 11.398 min Scan# 1583

Delta R.T. -0.006 min

Lab File: BF136414.D

Acq: 05 Dec 2023 19:19

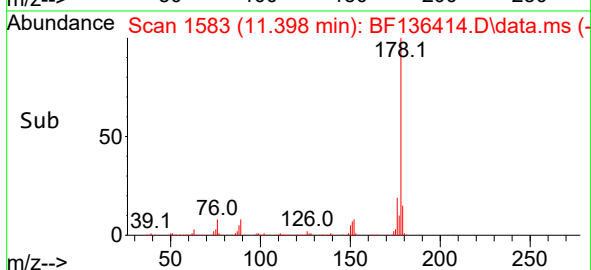
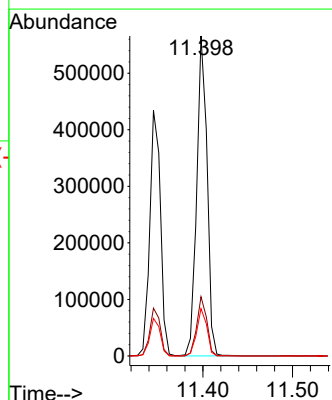
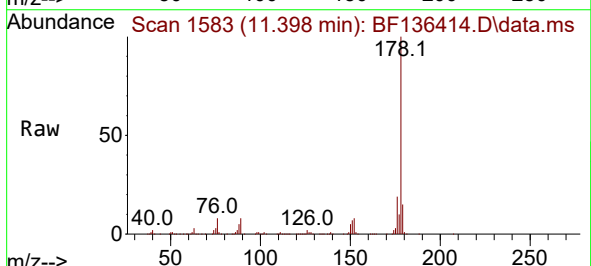
Tgt Ion:178 Resp: 454510

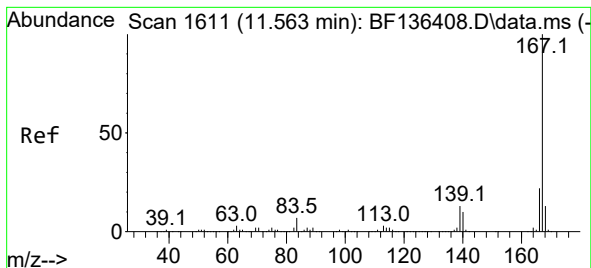
Ion Ratio Lower Upper

178 100

176 18.5 15.3 22.9

179 14.8 11.4 17.0





#73

Carbazole

Concen: 17.653 ng

RT: 11.557 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136414.D

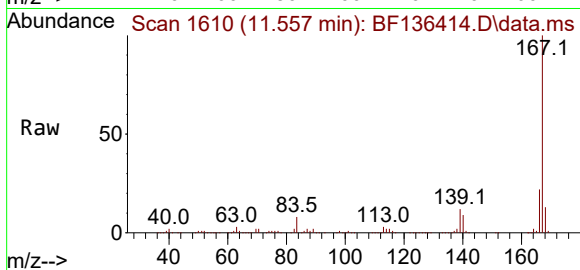
Acq: 05 Dec 2023 19:19

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILD



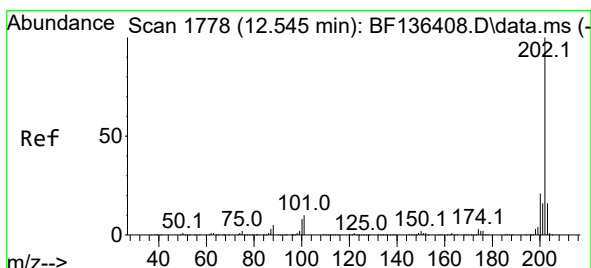
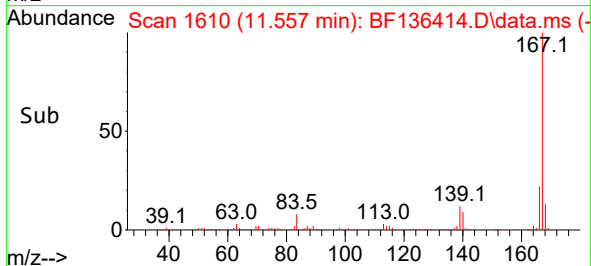
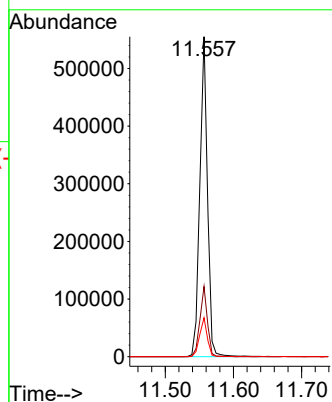
Tgt Ion:167 Resp: 433037

Ion Ratio Lower Upper

167 100

166 21.9 18.0 27.0

139 12.2 10.2 15.4



#75

Fluoranthene

Concen: 28.845 ng

RT: 12.545 min Scan# 1778

Delta R.T. -0.000 min

Lab File: BF136414.D

Acq: 05 Dec 2023 19:19

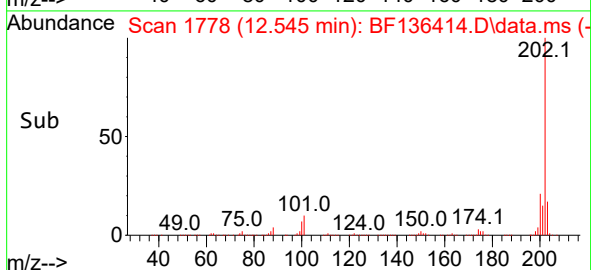
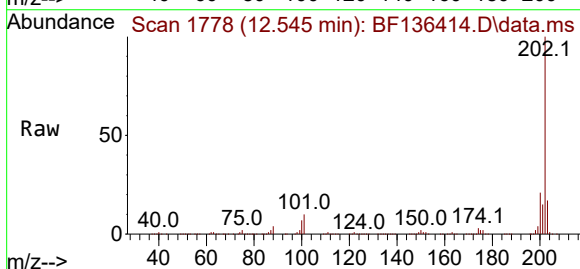
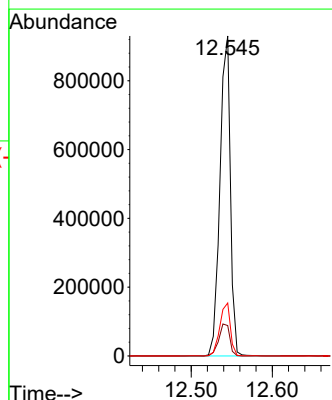
Tgt Ion:202 Resp: 831794

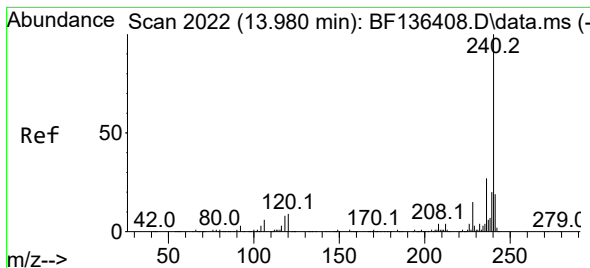
Ion Ratio Lower Upper

202 100

101 9.5 0.0 29.9

203 16.6 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: BF136414.D

Acq: 05 Dec 2023 19:19

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILDL

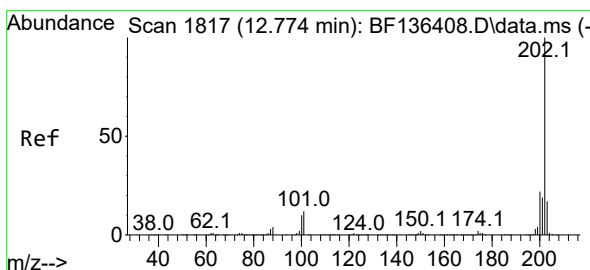
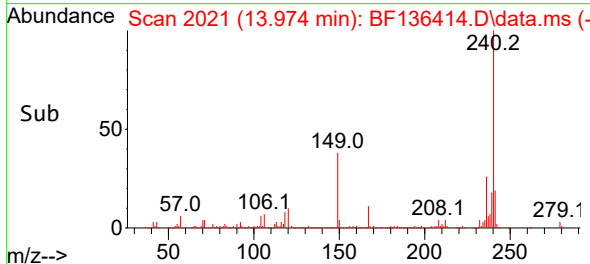
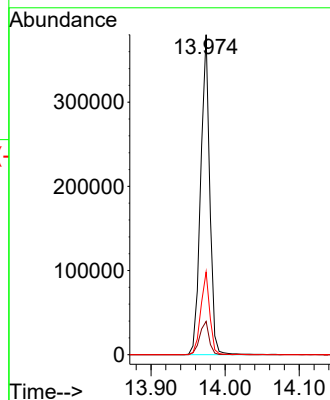
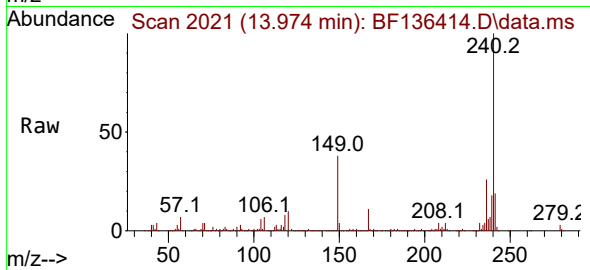
Tgt Ion:240 Resp: 322880

Ion Ratio Lower Upper

240 100

120 10.4 7.3 10.9

236 25.9 21.3 31.9



#78

Pyrene

Concen: 23.893 ng

RT: 12.774 min Scan# 1817

Delta R.T. -0.000 min

Lab File: BF136414.D

Acq: 05 Dec 2023 19:19

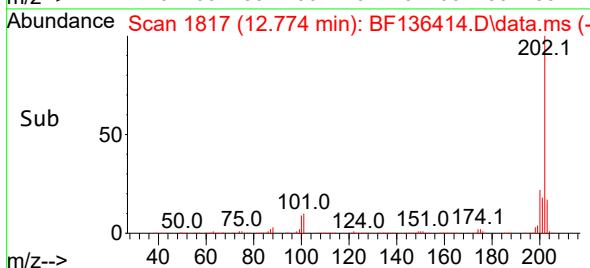
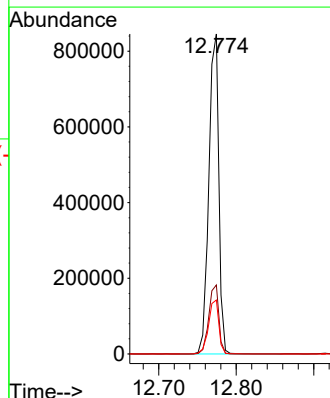
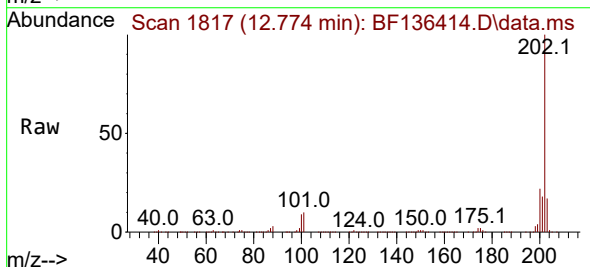
Tgt Ion:202 Resp: 755543

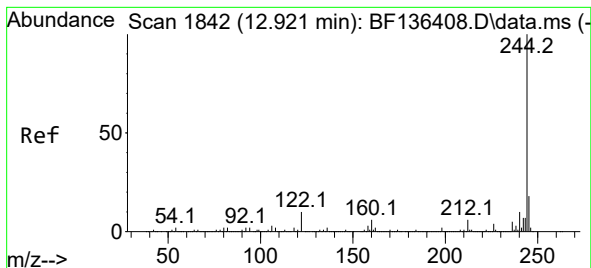
Ion Ratio Lower Upper

202 100

200 21.6 18.0 27.0

203 16.8 13.5 20.3





#79

Terphenyl-d14

Concen: 17.268 ng

RT: 12.916 min Scan# 1841

Delta R.T. -0.006 min

Lab File: BF136414.D

Acq: 05 Dec 2023 19:19

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILD

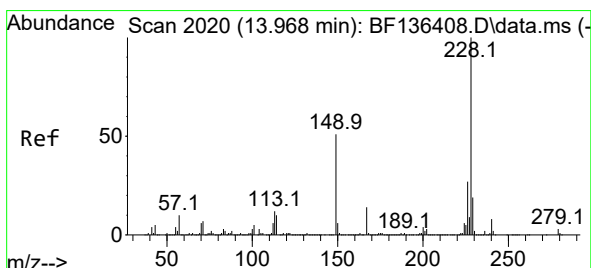
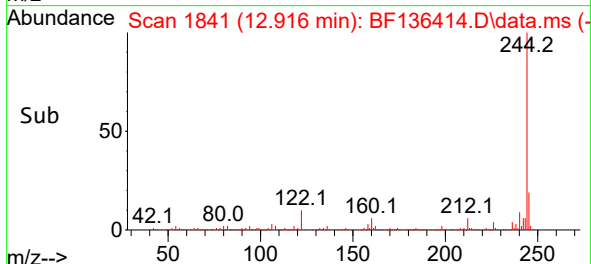
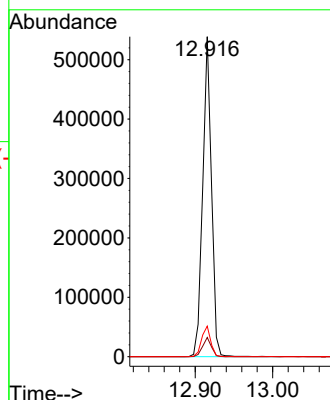
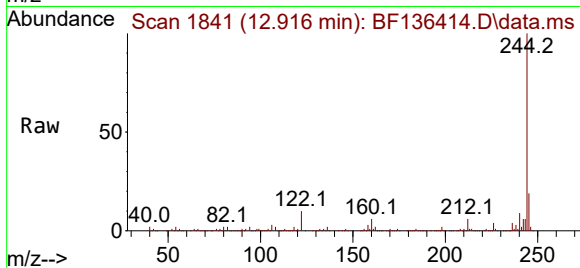
Tgt Ion:244 Resp: 423013

Ion Ratio Lower Upper

244 100

212 6.0 5.0 7.4

122 9.6 8.3 12.5



#81

Benzo(a)anthracene

Concen: 12.541 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.029 min

Lab File: BF136414.D

Acq: 05 Dec 2023 19:19

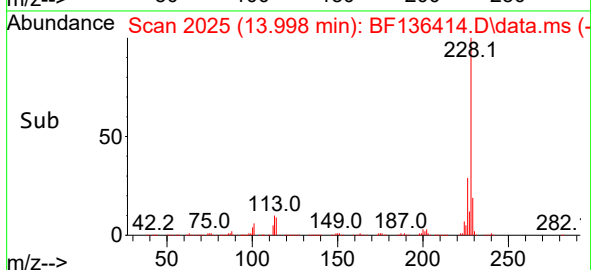
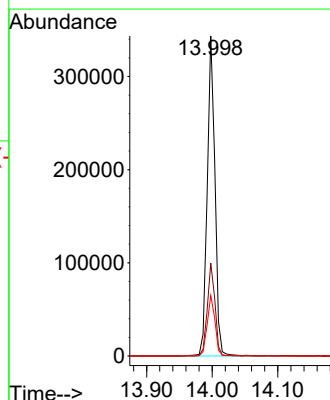
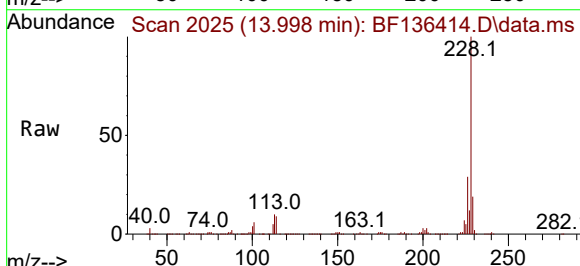
Tgt Ion:228 Resp: 282054

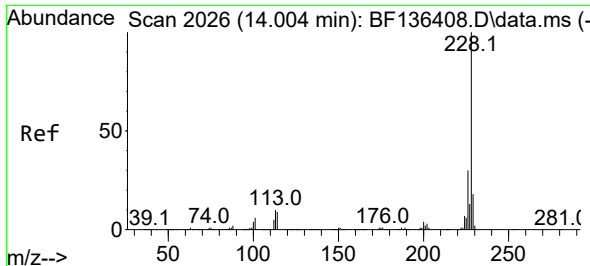
Ion Ratio Lower Upper

228 100

226 29.1 21.8 32.8

229 18.8 15.0 22.4

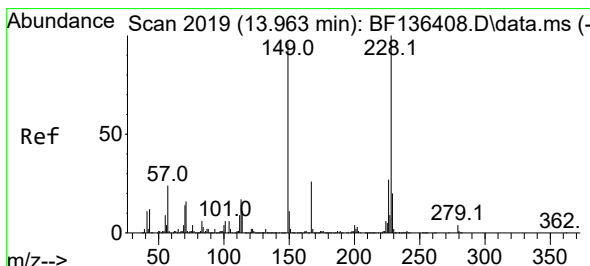
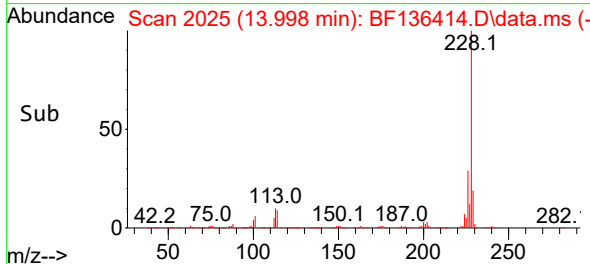
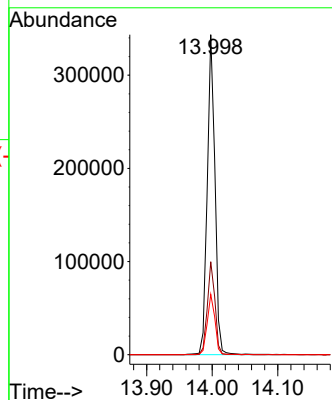
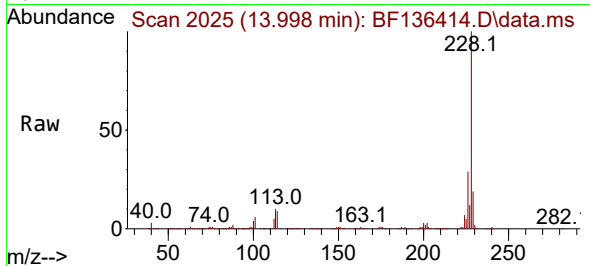




#83
Chrysene
Concen: 12.747 ng
RT: 13.998 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF136414.D
Acq: 05 Dec 2023 19:19

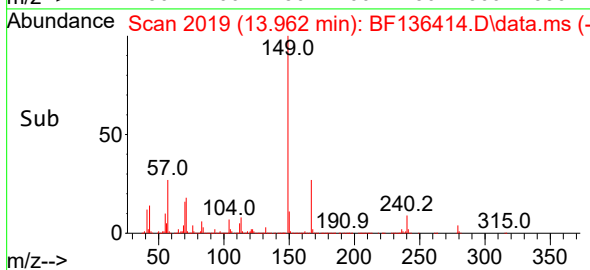
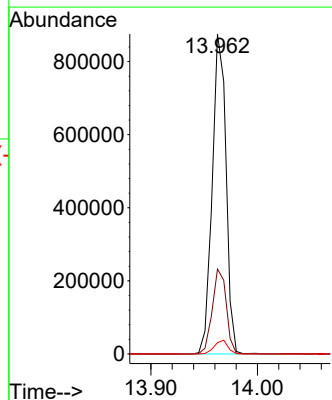
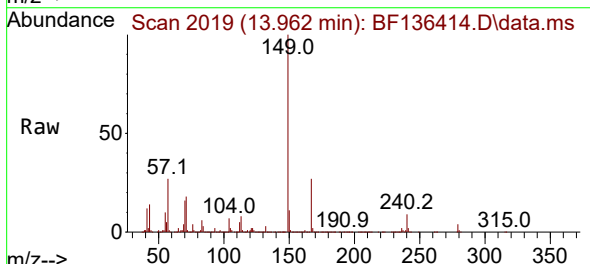
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOILD

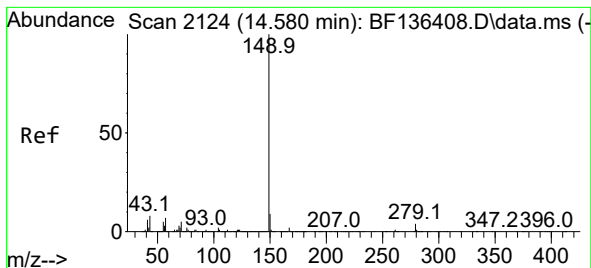
Tgt Ion:228 Resp: 282054
Ion Ratio Lower Upper
228 100
226 29.1 23.8 35.6
229 18.8 14.8 22.2



#84
Bis(2-ethylhexyl)phthalate
Concen: 57.063 ng
RT: 13.962 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF136414.D
Acq: 05 Dec 2023 19:19

Tgt Ion:149 Resp: 787452
Ion Ratio Lower Upper
149 100
167 26.6 21.2 31.8
279 3.6 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 14.530 ng

RT: 14.580 min Scan# 2124

Delta R.T. -0.000 min

Lab File: BF136414.D

Acq: 05 Dec 2023 19:19

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILDL

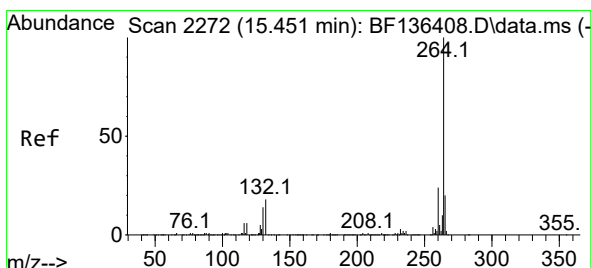
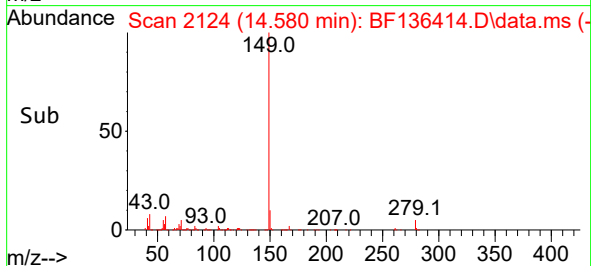
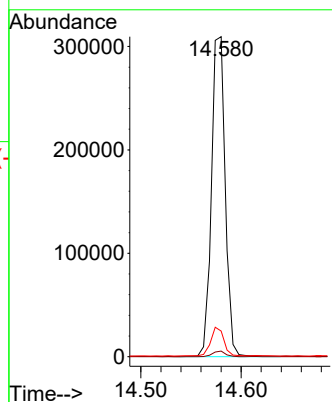
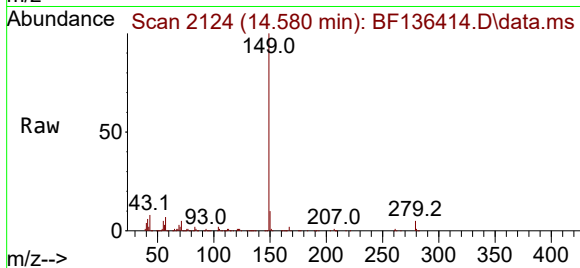
Tgt Ion:149 Resp: 296170

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.8 6.8 10.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2272

Delta R.T. -0.000 min

Lab File: BF136414.D

Acq: 05 Dec 2023 19:19

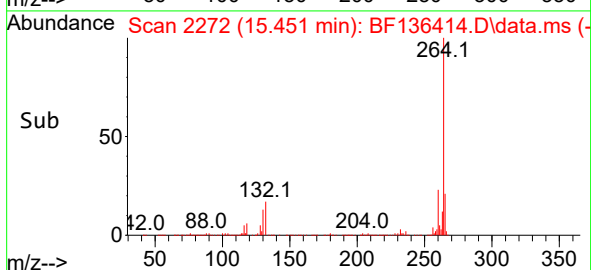
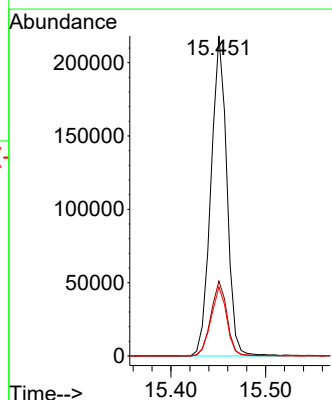
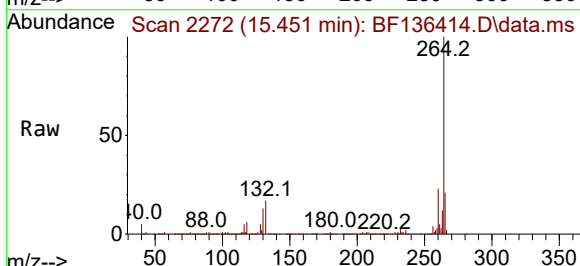
Tgt Ion:264 Resp: 254321

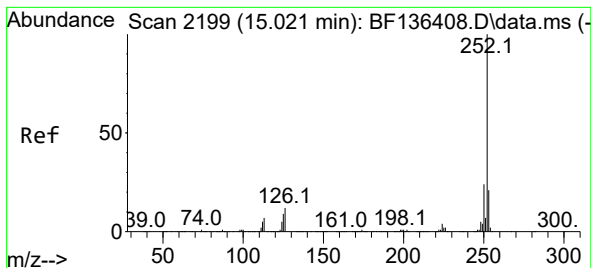
Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

265 21.5 15.9 23.9





#88

Benzo(b)fluoranthene

Concen: 21.987 ng

RT: 15.015 min Scan# 2199

Delta R.T. -0.006 min

Lab File: BF136414.D

Acq: 05 Dec 2023 19:19

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILD

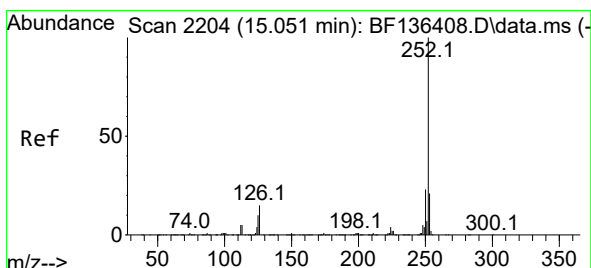
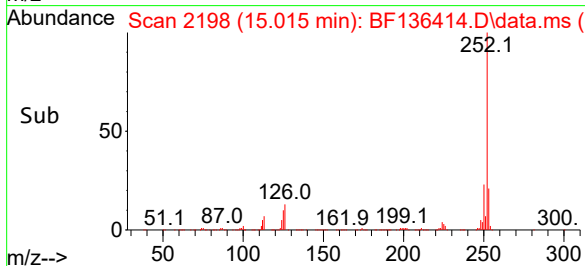
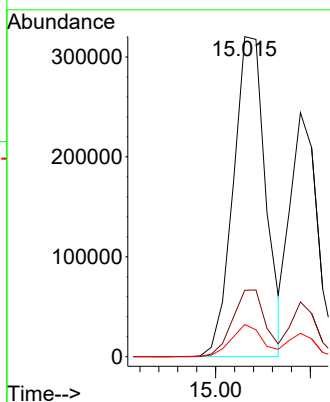
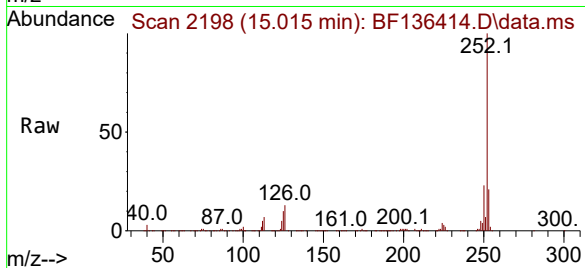
Tgt Ion:252 Resp: 382314

Ion Ratio Lower Upper

252 100

253 20.7 16.9 25.3

125 10.1 7.4 11.2



#89

Benzo(k)fluoranthene

Concen: 14.725 ng

RT: 15.045 min Scan# 2203

Delta R.T. -0.006 min

Lab File: BF136414.D

Acq: 05 Dec 2023 19:19

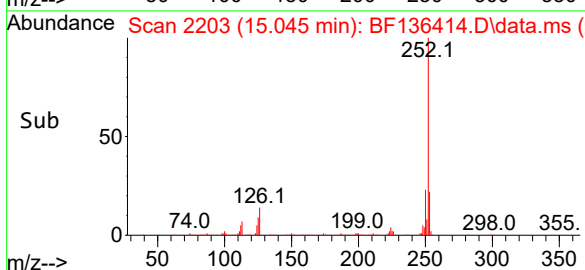
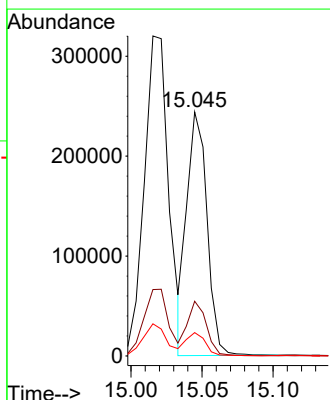
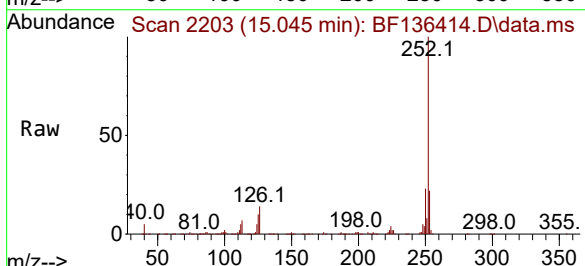
Tgt Ion:252 Resp: 241297

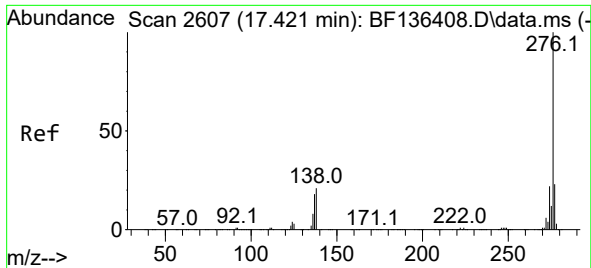
Ion Ratio Lower Upper

252 100

253 22.4 16.9 25.3

125 9.6 7.5 11.3





#92
 Benzo(g,h,i)perylene
 Concen: 7.474 ng
 RT: 17.398 min Scan# 20
 Delta R.T. -0.024 min
 Lab File: BF136414.D
 Acq: 05 Dec 2023 19:19

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOILDL

Tgt Ion:276 Resp: 111039
 Ion Ratio Lower Upper
 276 100
 277 22.4 18.7 28.1
 138 19.4 16.6 25.0

