

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
 Data File : BF140344.D
 Acq On : 13 Nov 2024 16:02
 Operator : RC/JU
 Sample : P4495-11DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOILD

Quant Time: Nov 13 16:21:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	114318	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	459141	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	255752	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	482859	20.000	ng	0.00
76) Chrysene-d12	14.063	240	303940	20.000	ng	0.01
86) Perylene-d12	15.586	264	245817	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	110381	16.486	ng	0.00
7) Phenol-d6	6.492	99	152326	16.792	ng	-0.01
23) Nitrobenzene-d5	7.434	82	101107	11.473	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	46658	18.346	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	206144	12.957	ng	0.00
79) Terphenyl-d14	12.980	244	274486	15.676	ng	0.00
Target Compounds						
						Qvalue
6) Aniline	6.604	93	246075	31.183	ng	# 54
8) 2-Chlorophenol	6.657	128	82289	11.441	ng	97
11) bis(2-Chloroethyl)ether	6.604	93	246075	33.948	ng	98
12) 1,3-Dichlorobenzene	6.816	146	188447	23.747	ng	99
13) 1,4-Dichlorobenzene	6.892	146	227293	28.248	ng	99
14) 1,2-Dichlorobenzene	7.045	146	117043	15.669	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	170570	17.036	ng	98
18) Hexachloroethane	7.386	117	59071	19.858	ng	99
19) n-Nitroso-di-n-propyla...	7.275	70	187386	34.202	ng	98
24) Nitrobenzene	7.451	77	315173	34.351	ng	98
25) Isophorone	7.686	82	406389	26.021	ng	99
26) 2-Nitrophenol	7.769	139	50637	12.437	ng	97
28) bis(2-Chloroethoxy)met...	7.898	93	221481	23.128	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	204547	28.520	ng	99
35) Caprolactam	8.869	113	6019	2.811	ng	# 1
37) 2-Methylnaphthalene	8.869	142	301124	20.163	ng	100
38) 1-Methylnaphthalene	8.869	142	301124	20.590	ng	95
43) 2,4,6-Trichlorophenol	9.145	196	105828	22.801	ng	99
44) 2,4,5-Trichlorophenol	9.145	196	105828	20.855	ng	# 93
47) 2-Chloronaphthalene	9.357	162	196843	13.888	ng	99
49) Acenaphthylene	9.769	152	371536	17.326	ng	99
50) Dimethylphthalate	9.622	163	235866	14.149	ng	99
52) Acenaphthene	9.945	154	213376	14.732	ng	99
53) 3-Nitroaniline	10.116	138	8582	2.150	ng	# 8
55) Dibenzofuran	10.116	168	551409	26.893	ng	99
56) 4-Nitrophenol	10.016	139	36725	12.615	ng	97
57) 2,4-Dinitrotoluene	9.910	165	33364	6.671	ng	# 20
58) Fluorene	10.457	166	376301	23.232	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.233	232	49869	12.446	ng	100
67) 4-Bromophenyl-phenylether	10.939	248	100914	20.907	ng	98
68) Hexachlorobenzene	11.010	284	82539	15.198	ng	97
70) Pentachlorophenol	11.204	266	41962	14.344	ng	97
71) Phenanthrene	11.422	178	283557	12.501	ng	99
72) Anthracene	11.474	178	357761	16.093	ng	99
73) Carbazole	11.627	167	432010	19.681	ng	100
74) Di-n-butylphthalate	11.957	149	518228	19.671	ng	99

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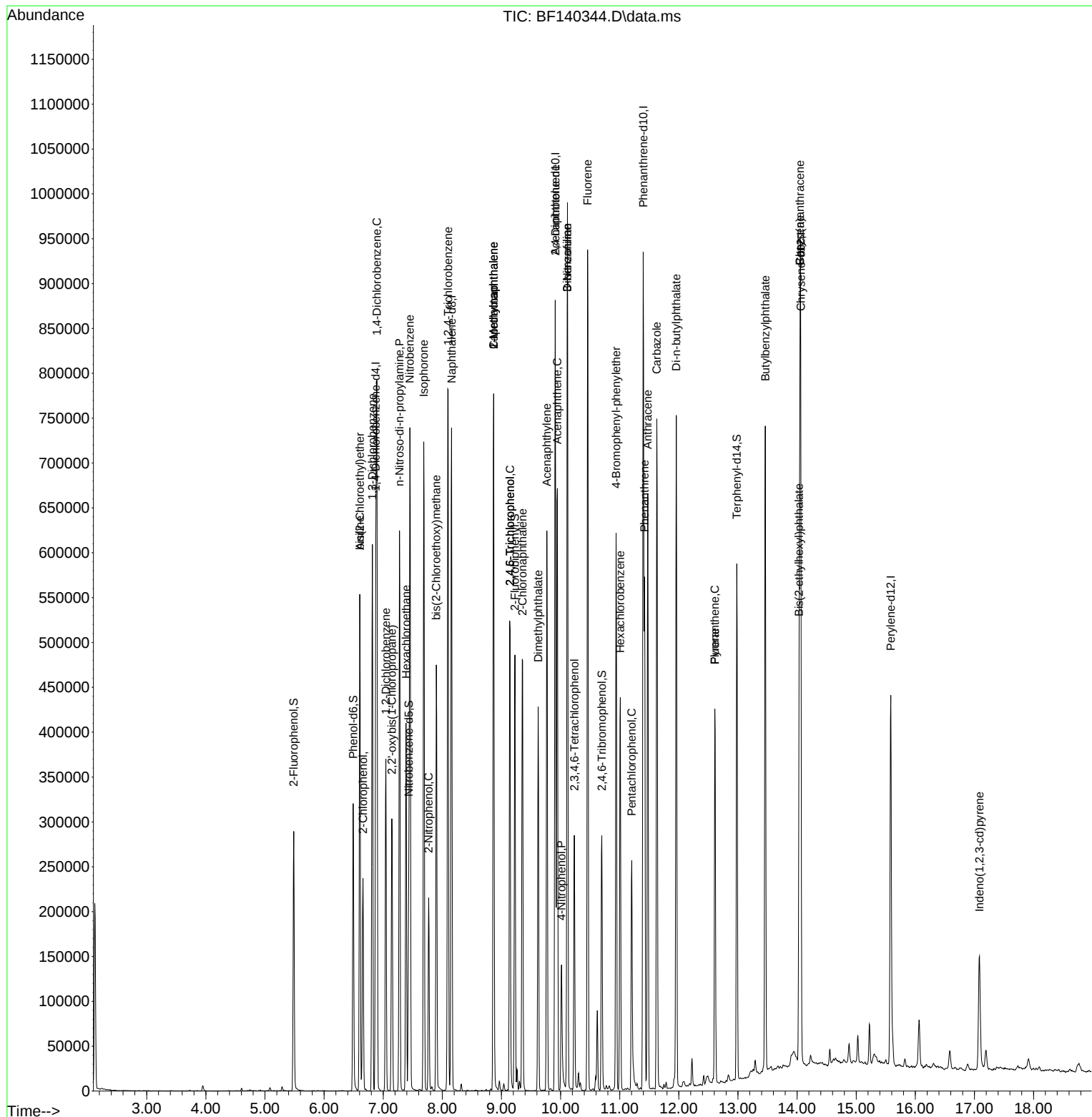
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) Fluoranthene	12.610	202	245814	9.659	ng	99
78) Pyrene	12.610	202	245814	9.455	ng	98
80) Butylbenzylphthalate	13.463	149	226506	22.680	ng	98
81) Benzo(a)anthracene	14.051	228	243532	12.191	ng	98
83) Chrysene	14.051	228	243532	13.362	ng	95
84) Bis(2-ethylhexyl)phtha...	14.033	149	149258	11.197	ng	98
87) Indeno(1,2,3-cd)pyrene	17.086	276	113732	7.490	ng	# 93

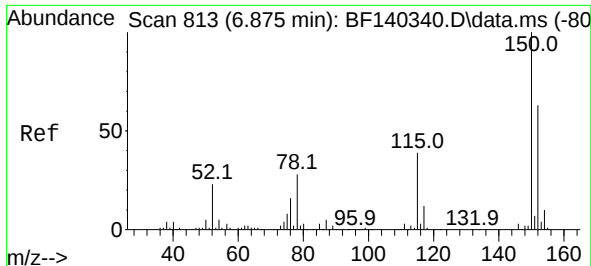
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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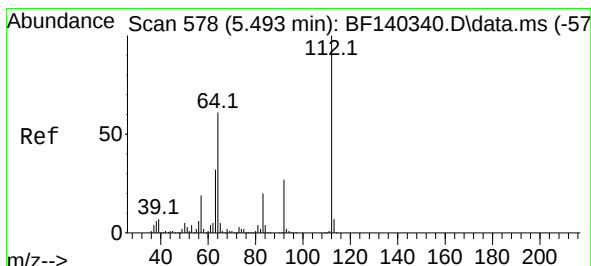
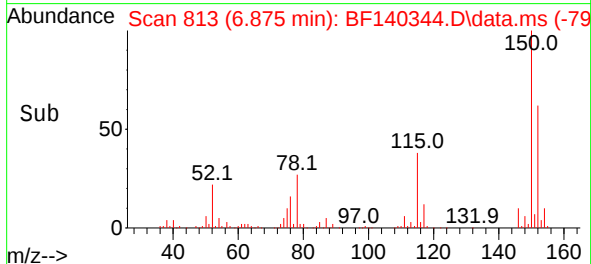
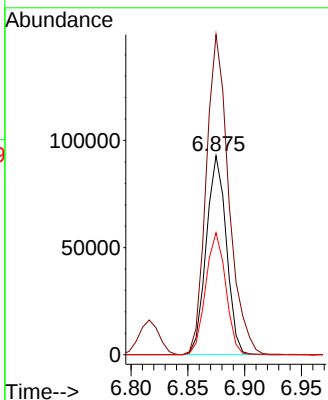
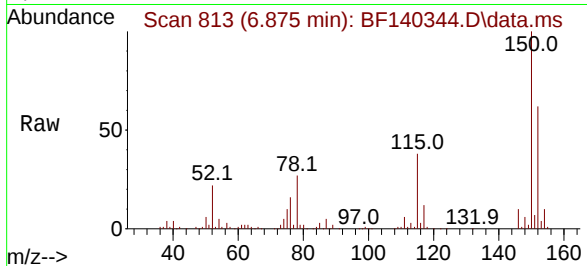




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140344.D
Acq: 13 Nov 2024 16:02

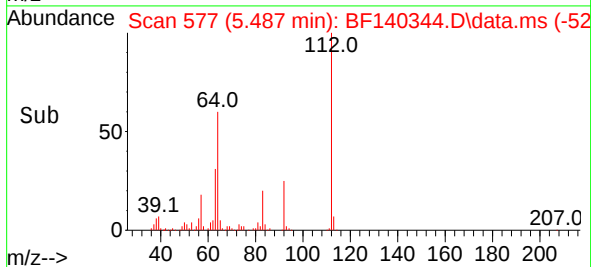
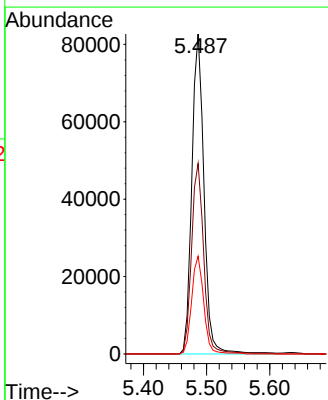
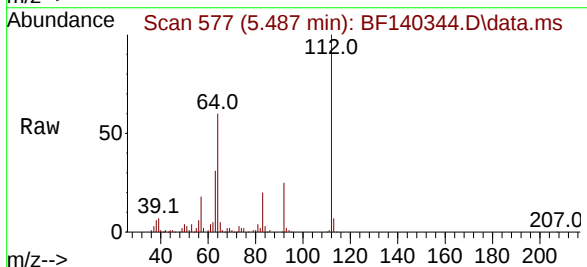
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOILD

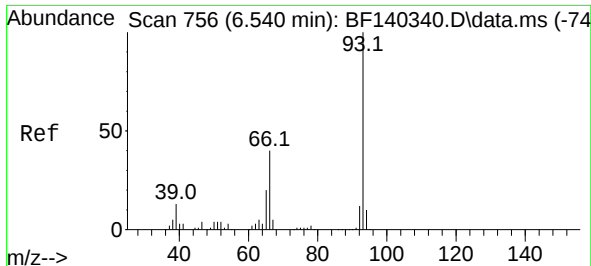
Tgt Ion:152 Resp: 114318
Ion Ratio Lower Upper
152 100
150 160.9 127.4 191.0
115 61.4 47.4 71.2



#5
2-Fluorophenol
Concen: 16.486 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF140344.D
Acq: 13 Nov 2024 16:02

Tgt Ion:112 Resp: 110381
Ion Ratio Lower Upper
112 100
64 59.5 49.2 73.8
63 30.6 25.6 38.4





#6

Aniline

Concen: 31.183 ng

RT: 6.604 min Scan# 7

Delta R.T. 0.065 min

Lab File: BF140344.D

Acq: 13 Nov 2024 16:02

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILD

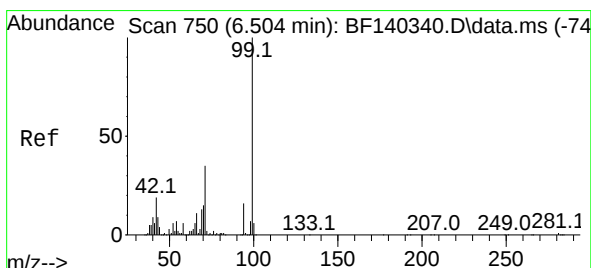
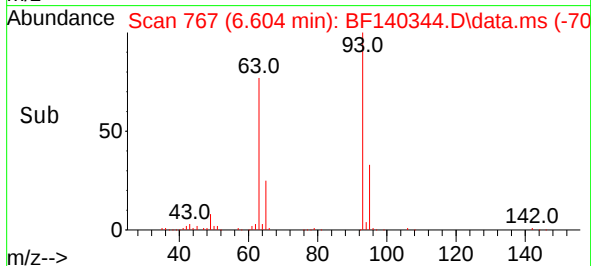
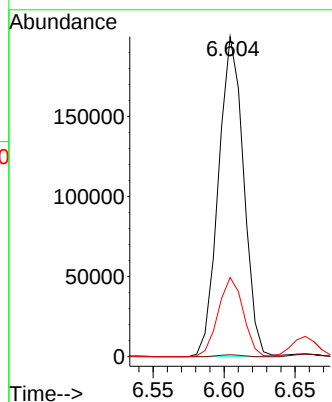
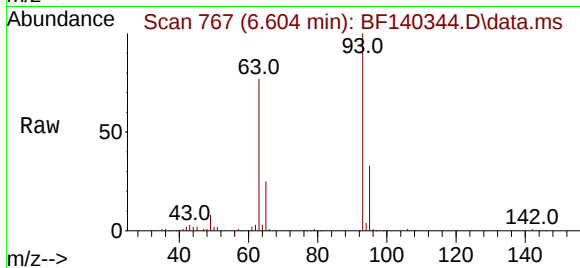
Tgt Ion: 93 Resp: 246075

Ion Ratio Lower Upper

93 100

66 0.6 32.8 49.2#

65 24.8 16.6 25.0



#7

Phenol-d6

Concen: 16.792 ng

RT: 6.492 min Scan# 748

Delta R.T. -0.012 min

Lab File: BF140344.D

Acq: 13 Nov 2024 16:02

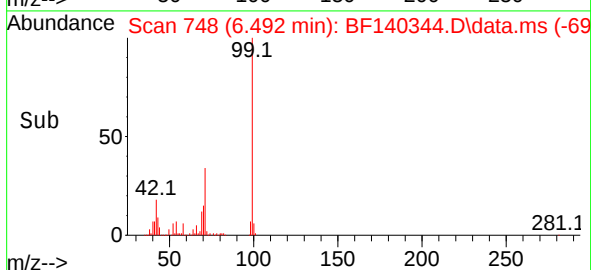
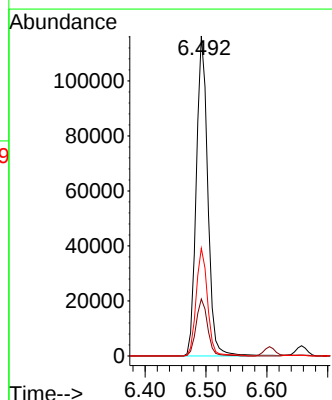
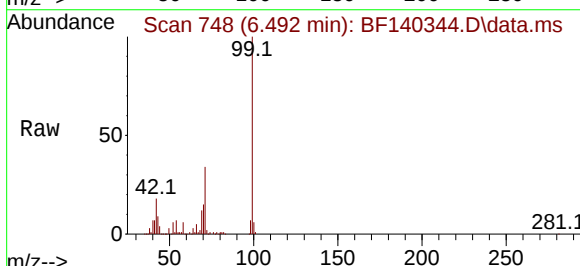
Tgt Ion: 99 Resp: 152326

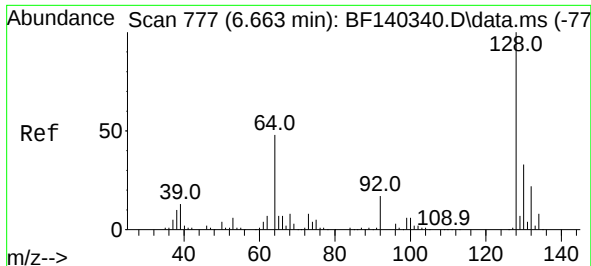
Ion Ratio Lower Upper

99 100

42 17.8 15.1 22.7

71 33.6 27.9 41.9

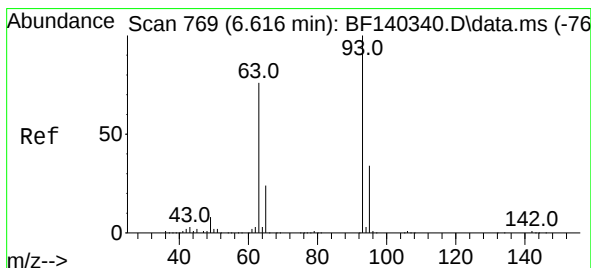
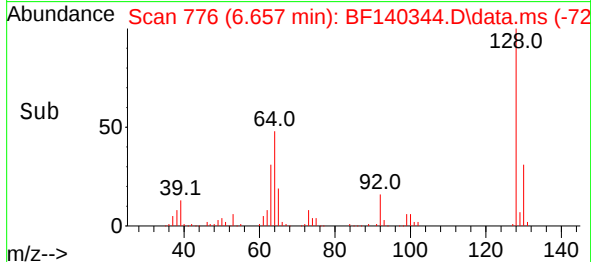
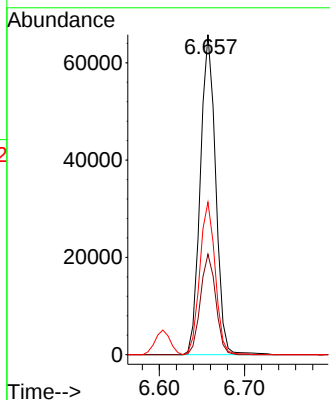
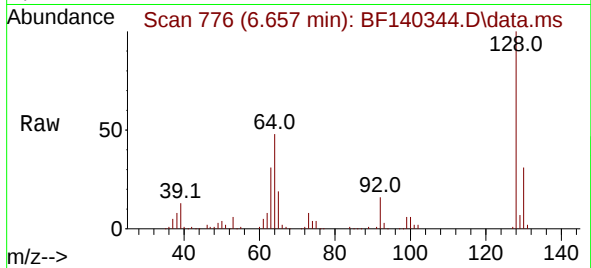




#8
2-Chlorophenol
Concen: 11.441 ng
RT: 6.657 min Scan# 777
Delta R.T. -0.006 min
Lab File: BF140344.D
Acq: 13 Nov 2024 16:02

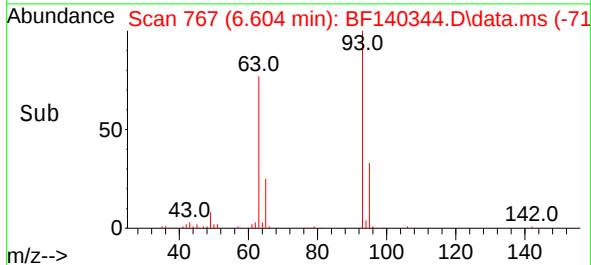
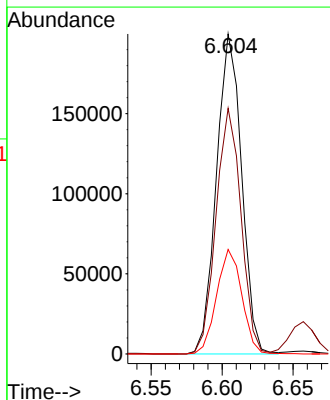
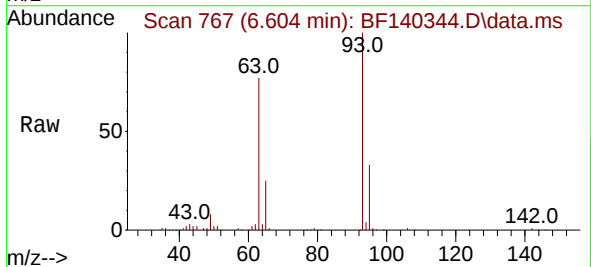
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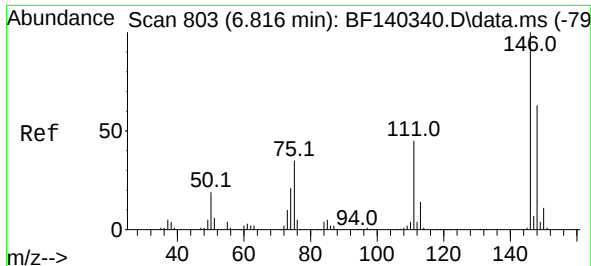
Tgt Ion:128 Resp: 82289
Ion Ratio Lower Upper
128 100
130 31.4 12.2 52.2
64 47.6 30.2 70.2



#11
bis(2-Chloroethyl)ether
Concen: 33.948 ng
RT: 6.604 min Scan# 767
Delta R.T. -0.012 min
Lab File: BF140344.D
Acq: 13 Nov 2024 16:02

Tgt Ion: 93 Resp: 246075
Ion Ratio Lower Upper
93 100
63 76.7 54.0 94.0
95 32.6 12.9 52.9

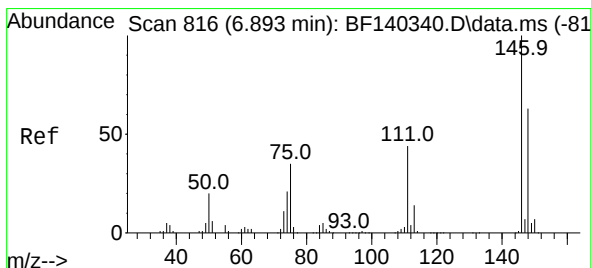
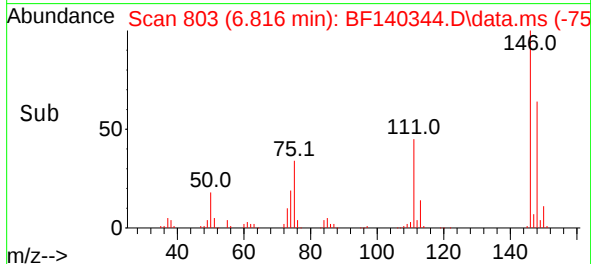
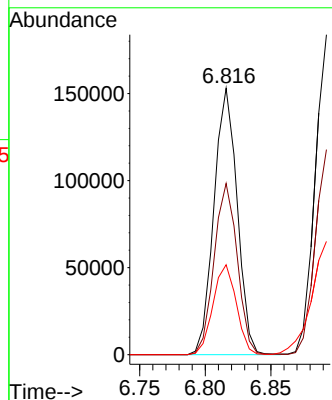
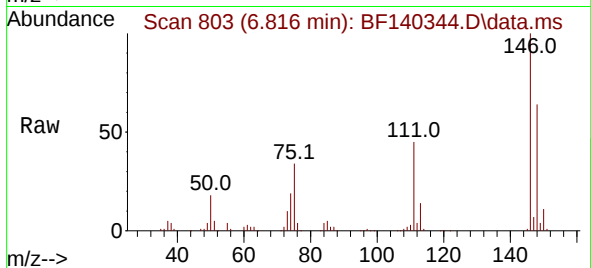




#12
1,3-Dichlorobenzene
Concen: 23.747 ng
RT: 6.816 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF140344.D
Acq: 13 Nov 2024 16:02

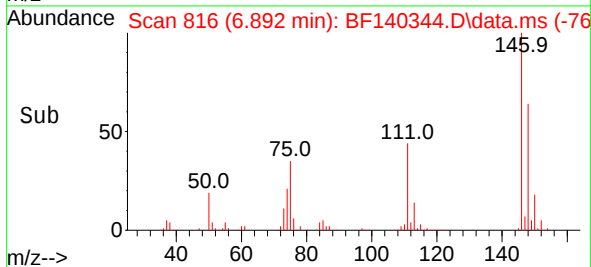
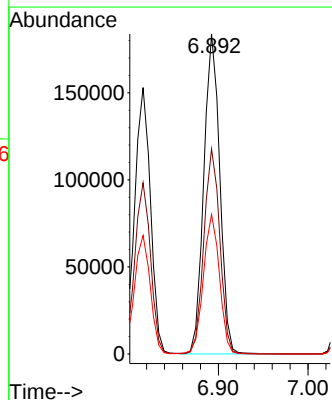
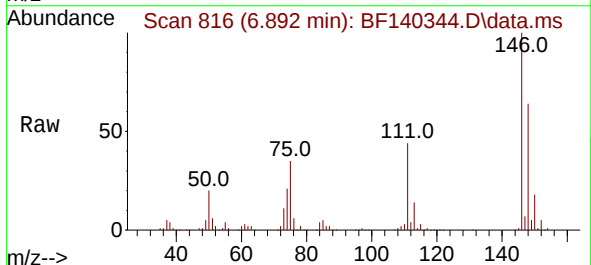
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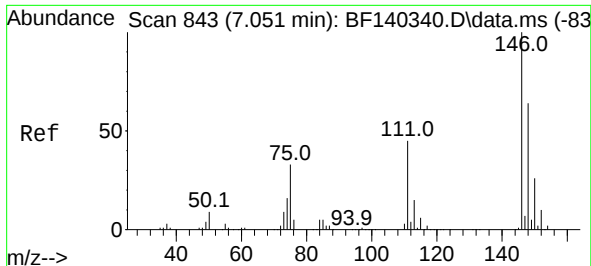
Tgt Ion:146 Resp: 188447
Ion Ratio Lower Upper
146 100
148 64.3 50.7 76.1
75 33.7 26.4 39.6



#13
1,4-Dichlorobenzene
Concen: 28.248 ng
RT: 6.892 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF140344.D
Acq: 13 Nov 2024 16:02

Tgt Ion:146 Resp: 227293
Ion Ratio Lower Upper
146 100
148 64.1 50.8 76.2
111 43.6 34.2 51.2





#14

1,2-Dichlorobenzene

Concen: 15.669 ng

RT: 7.045 min Scan# 84

Delta R.T. -0.006 min

Lab File: BF140344.D

Acq: 13 Nov 2024 16:02

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILD

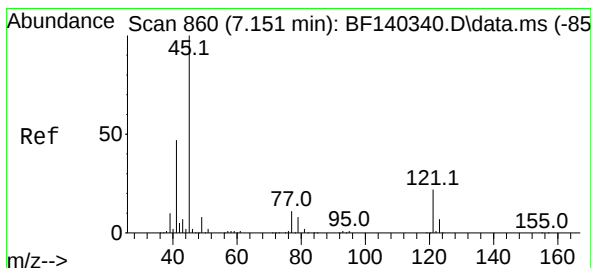
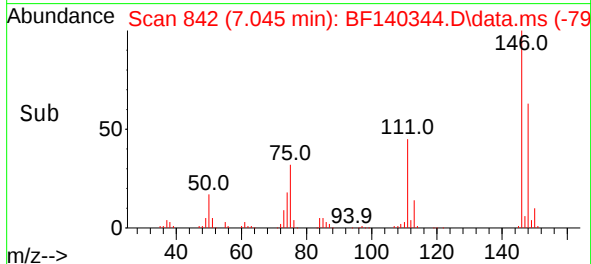
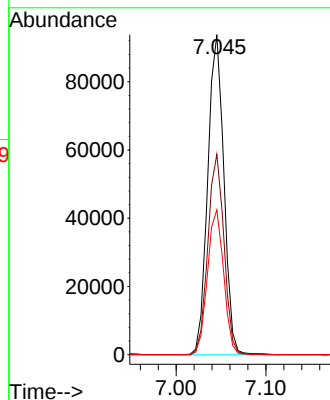
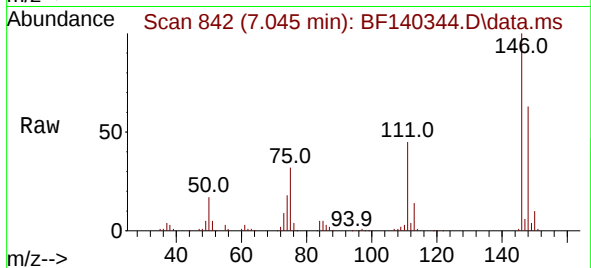
Tgt Ion:146 Resp: 117043

Ion Ratio Lower Upper

146 100

148 62.6 51.2 76.8

111 45.3 36.5 54.7



#16

2,2'-oxybis(1-chloropropane)

Concen: 17.036 ng

RT: 7.145 min Scan# 859

Delta R.T. -0.006 min

Lab File: BF140344.D

Acq: 13 Nov 2024 16:02

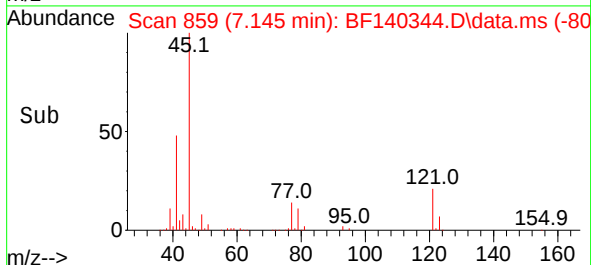
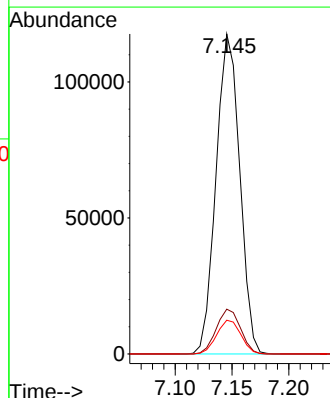
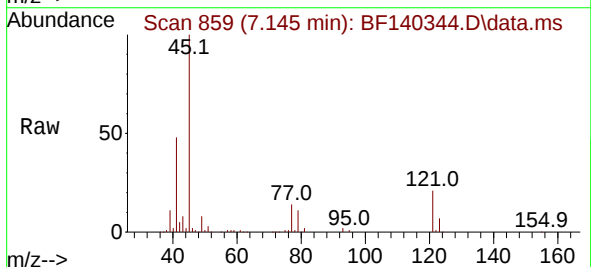
Tgt Ion: 45 Resp: 170570

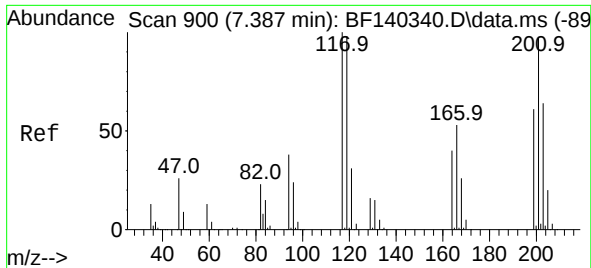
Ion Ratio Lower Upper

45 100

77 14.0 0.0 34.8

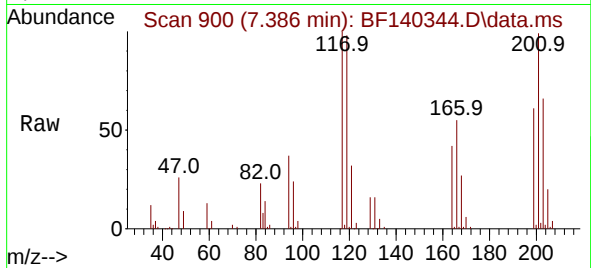
79 10.6 0.0 31.4



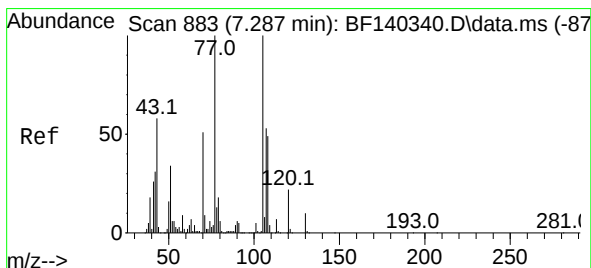
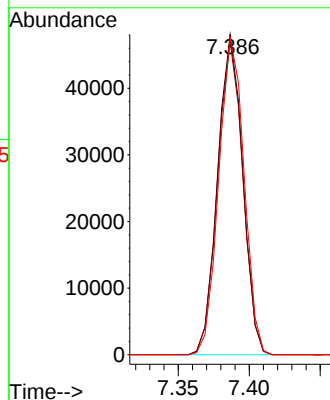
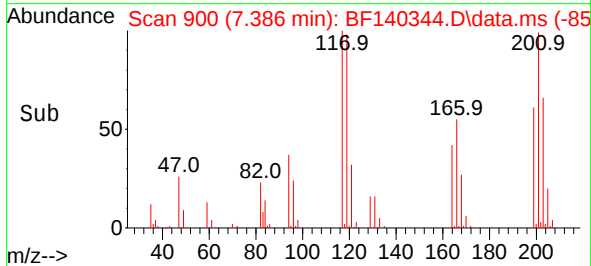


#18
Hexachloroethane
Concen: 19.858 ng
RT: 7.386 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF140344.D
Acq: 13 Nov 2024 16:02

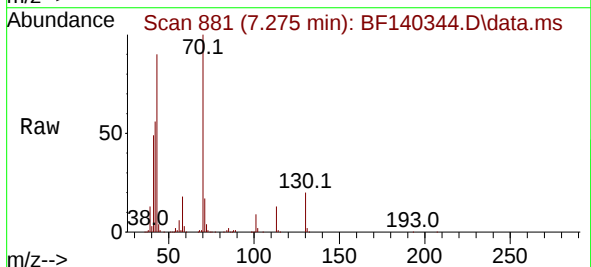
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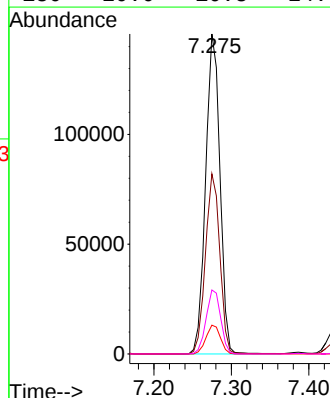
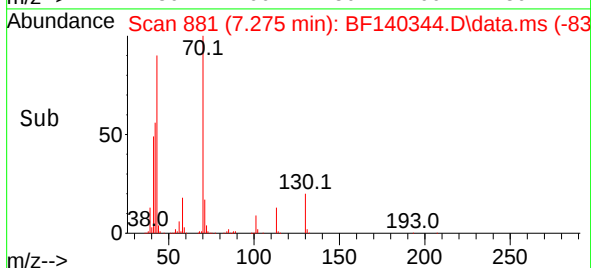
Tgt Ion:117 Resp: 59071
Ion Ratio Lower Upper
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119 97.9 76.9 115.3
201 99.3 80.2 120.4

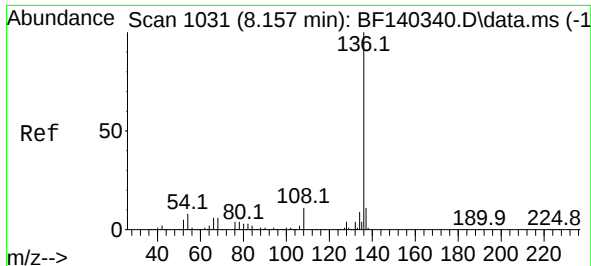


#19
n-Nitroso-di-n-propylamine
Concen: 34.202 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.018 min
Lab File: BF140344.D
Acq: 13 Nov 2024 16:02



Tgt Ion: 70 Resp: 187386
Ion Ratio Lower Upper
70 100
42 56.3 46.8 70.2
101 9.0 7.5 11.3
130 20.0 16.3 24.5



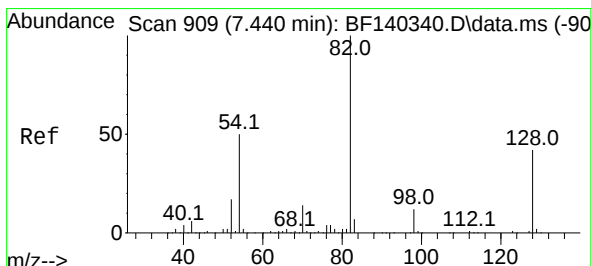
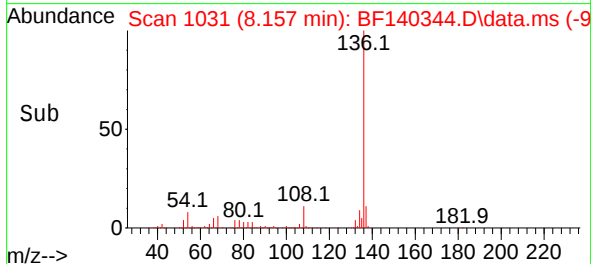
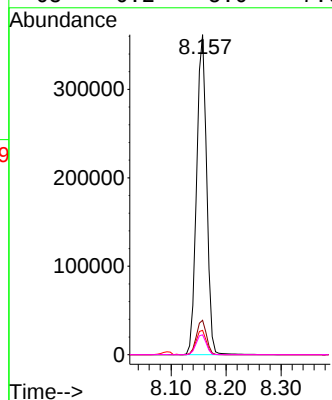
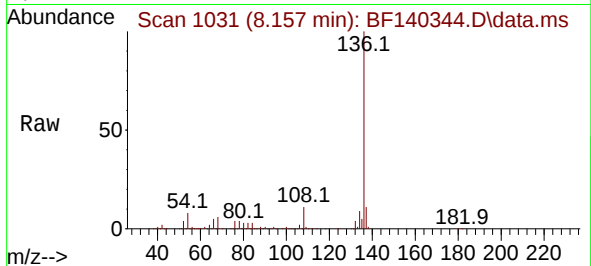


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.000 min
Lab File: BF140344.D
Acq: 13 Nov 2024 16:02

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOILD

Tgt Ion:136 Resp: 459141

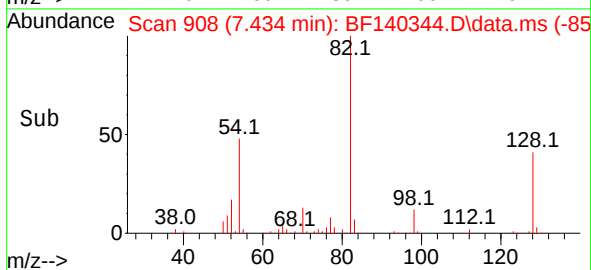
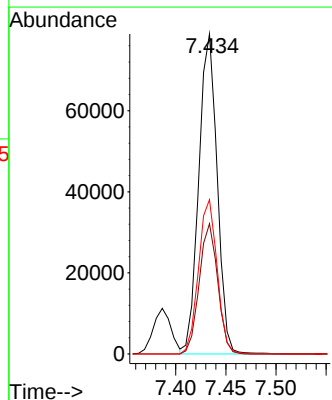
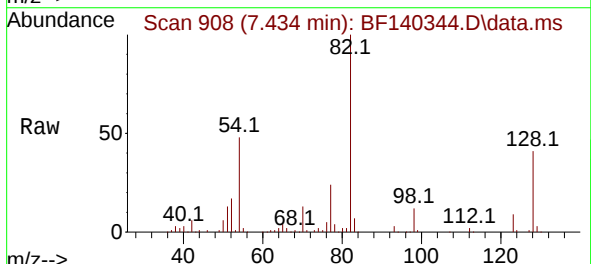
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	7.6	6.5	9.7
68	6.2	5.0	7.6

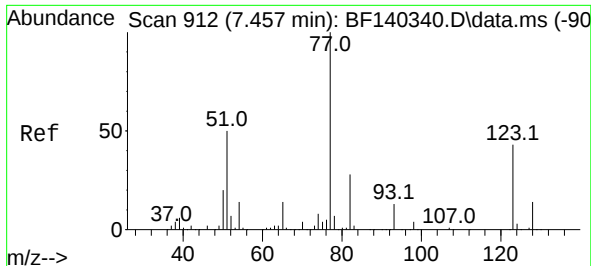


#23
Nitrobenzene-d5
Concen: 11.473 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF140344.D
Acq: 13 Nov 2024 16:02

Tgt Ion: 82 Resp: 101107

Ion	Ratio	Lower	Upper
82	100		
128	40.7	33.3	49.9
54	48.2	39.8	59.8





#24

Nitrobenzene

Concen: 34.351 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.012 min

Lab File: BF140344.D

Acq: 13 Nov 2024 16:02

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILD

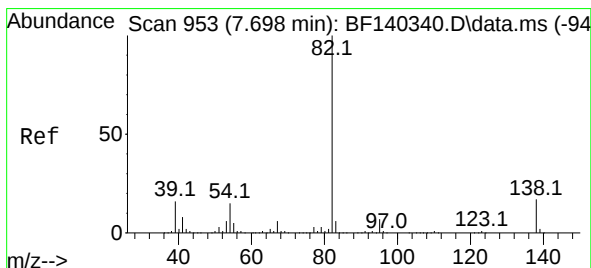
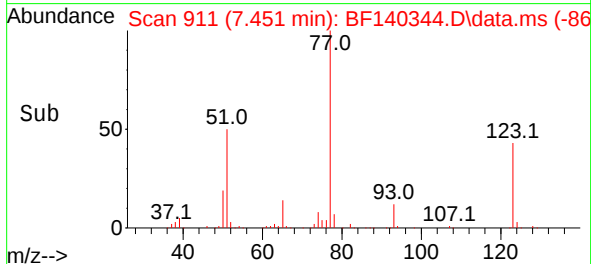
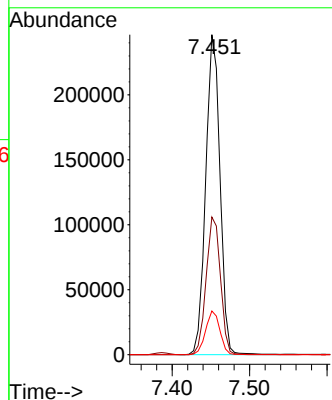
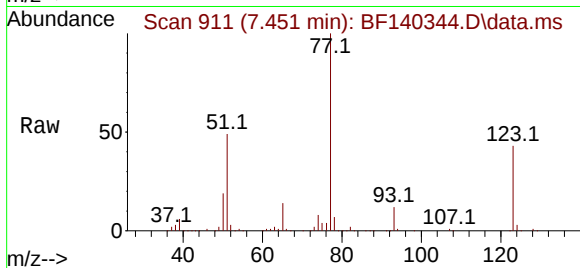
Tgt Ion: 77 Resp: 315173

Ion Ratio Lower Upper

77 100

123 43.0 35.4 53.0

65 13.7 11.1 16.7



#25

Isophorone

Concen: 26.021 ng

RT: 7.686 min Scan# 951

Delta R.T. -0.012 min

Lab File: BF140344.D

Acq: 13 Nov 2024 16:02

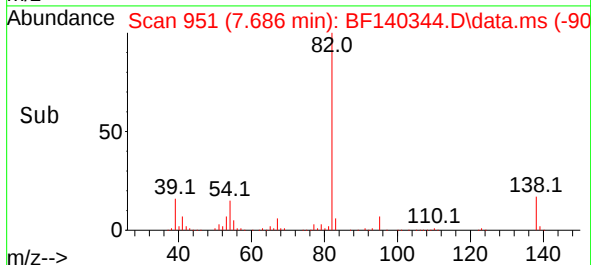
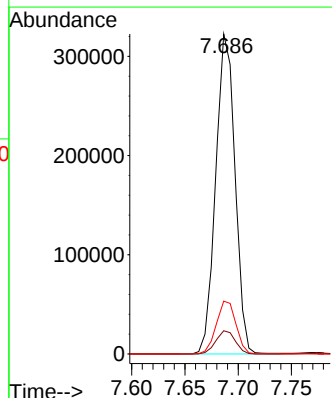
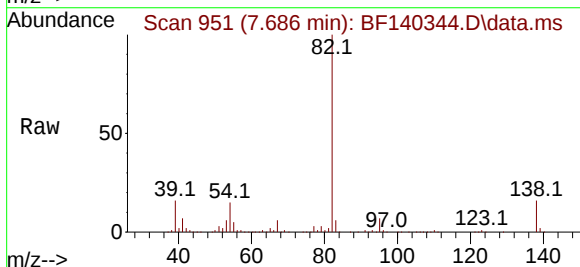
Tgt Ion: 82 Resp: 406389

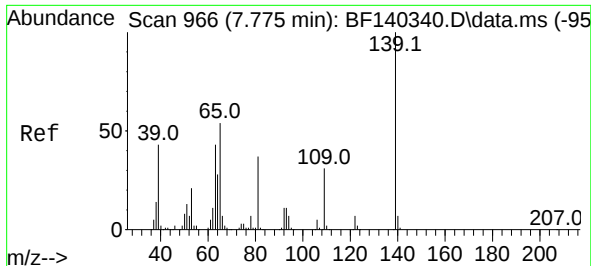
Ion Ratio Lower Upper

82 100

95 7.3 5.9 8.9

138 16.5 13.4 20.2





#26

2-Nitrophenol

Concen: 12.437 ng

RT: 7.769 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF140344.D

Acq: 13 Nov 2024 16:02

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILD

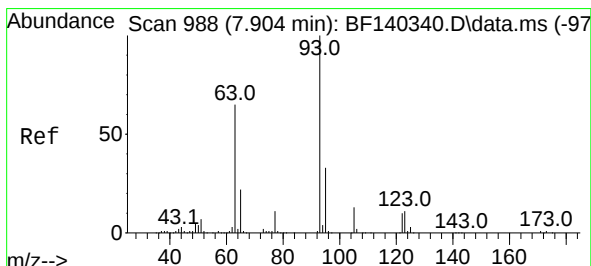
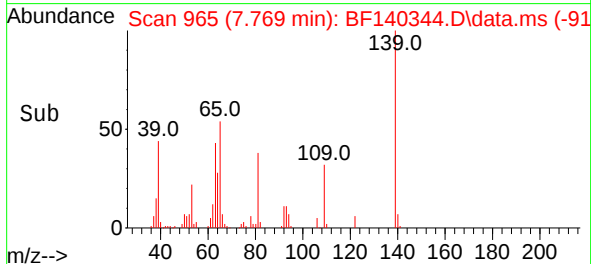
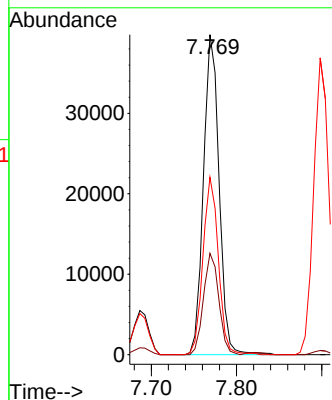
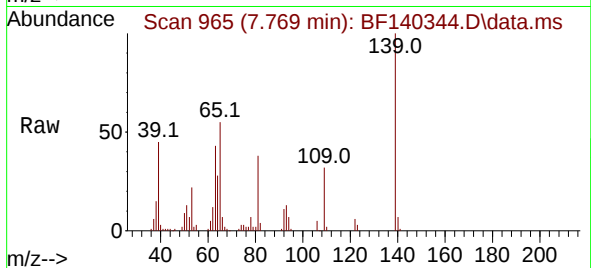
Tgt Ion:139 Resp: 50637

Ion Ratio Lower Upper

139 100

109 31.6 24.4 36.6

65 55.5 42.8 64.2



#28

bis(2-Chloroethoxy)methane

Concen: 23.128 ng

RT: 7.898 min Scan# 987

Delta R.T. -0.006 min

Lab File: BF140344.D

Acq: 13 Nov 2024 16:02

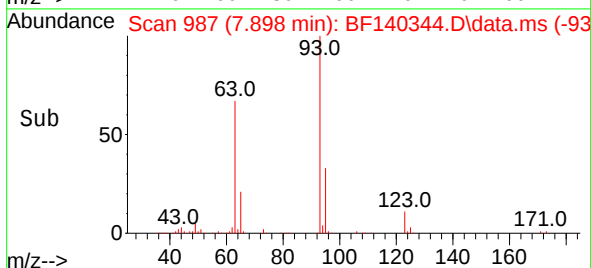
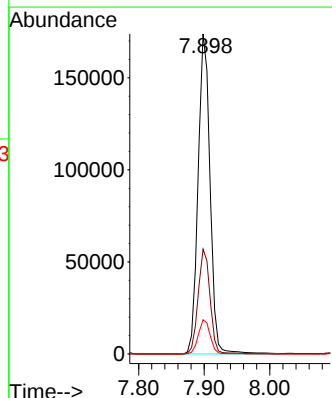
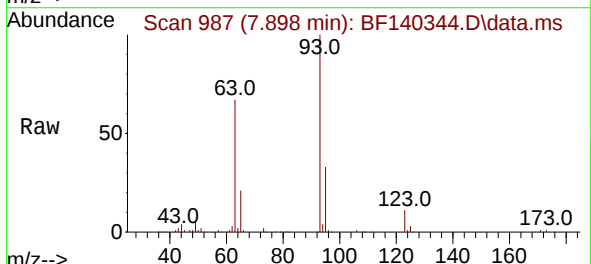
Tgt Ion: 93 Resp: 221481

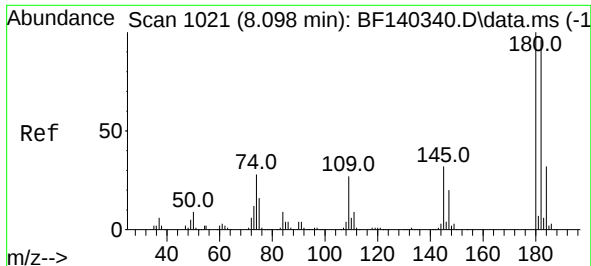
Ion Ratio Lower Upper

93 100

95 32.7 25.9 38.9

123 10.7 9.2 13.8





#30

1,2,4-Trichlorobenzene

Concen: 28.520 ng

RT: 8.098 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140344.D

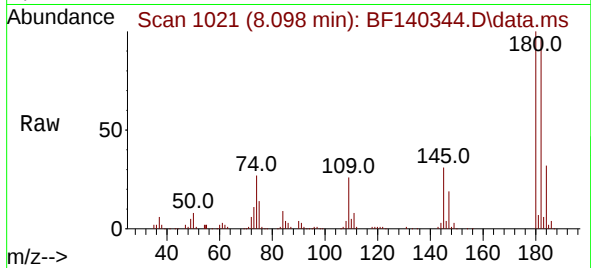
Acq: 13 Nov 2024 16:02

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILD



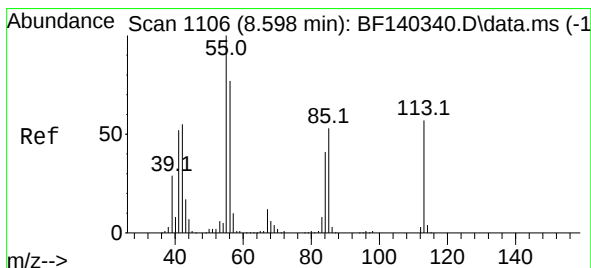
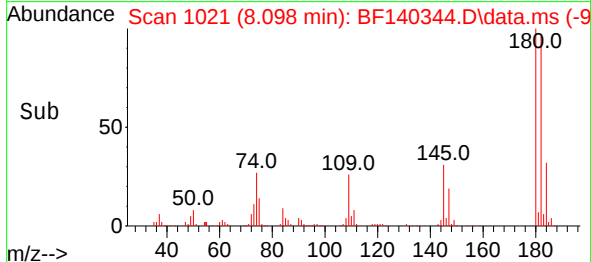
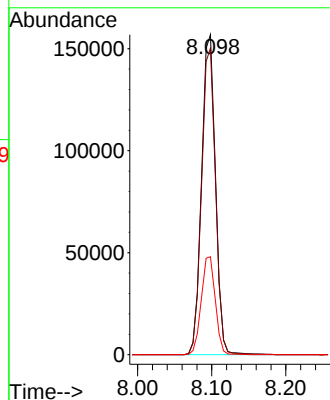
Tgt Ion:180 Resp: 204547

Ion Ratio Lower Upper

180 100

182 95.8 76.5 114.7

145 30.6 25.3 37.9



#35

Caprolactam

Concen: 2.811 ng

RT: 8.869 min Scan# 1152

Delta R.T. 0.270 min

Lab File: BF140344.D

Acq: 13 Nov 2024 16:02

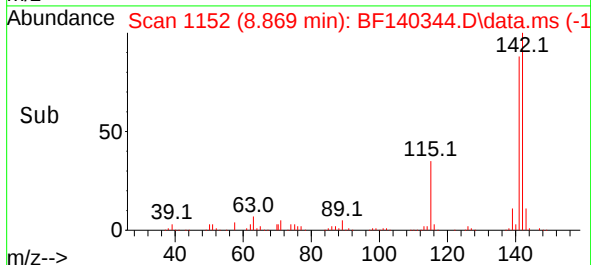
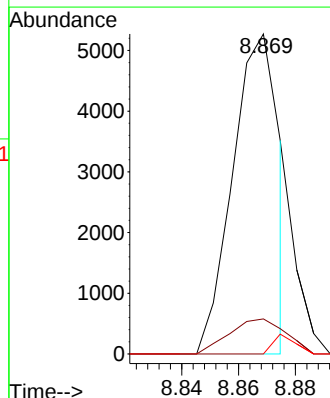
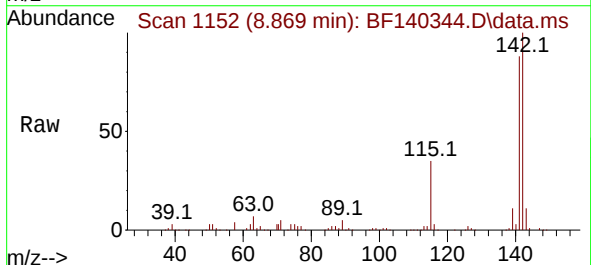
Tgt Ion:113 Resp: 6019

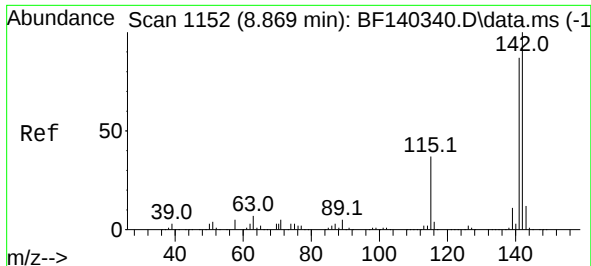
Ion Ratio Lower Upper

113 100

55 10.9 150.0 190.0#

56 0.0 111.1 151.1#





#37

2-Methylnaphthalene

Concen: 20.163 ng

RT: 8.869 min Scan# 1152

Delta R.T. -0.000 min

Lab File: BF140344.D

Acq: 13 Nov 2024 16:02

Instrument :

BNA_F

ClientSampleId :

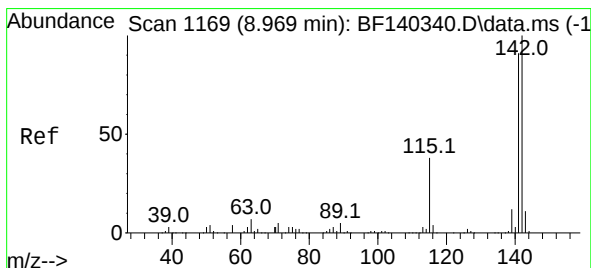
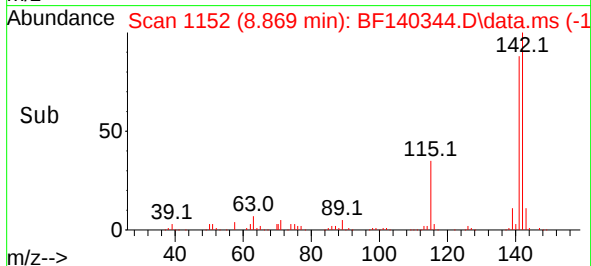
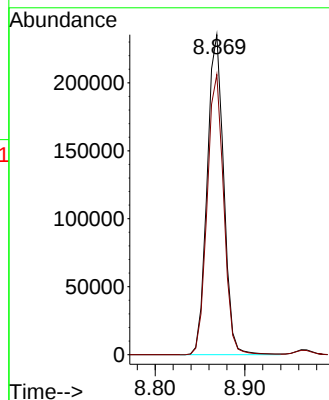
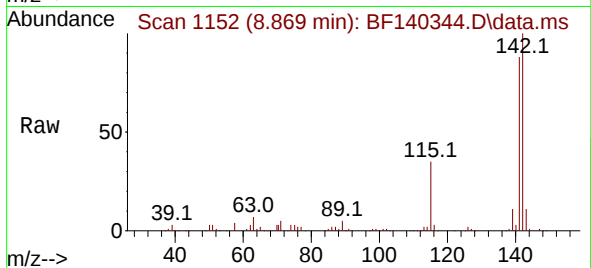
PT-BNA-SOILD

Tgt Ion:142 Resp: 301124

Ion Ratio Lower Upper

142 100

141 87.5 70.4 105.6



#38

1-Methylnaphthalene

Concen: 20.590 ng

RT: 8.869 min Scan# 1152

Delta R.T. -0.100 min

Lab File: BF140344.D

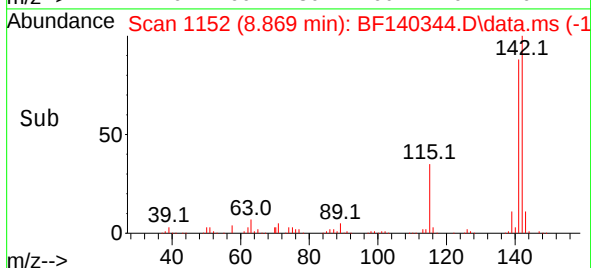
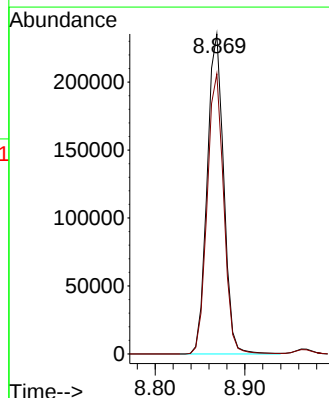
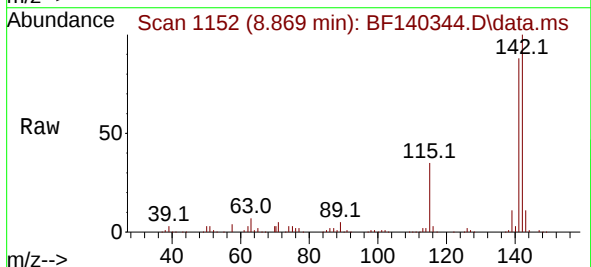
Acq: 13 Nov 2024 16:02

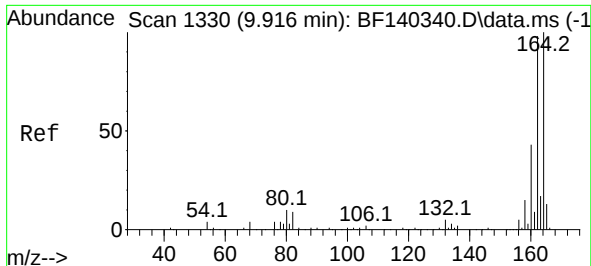
Tgt Ion:142 Resp: 301124

Ion Ratio Lower Upper

142 100

141 87.5 73.6 110.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 14

Delta R.T. -0.006 min

Lab File: BF140344.D

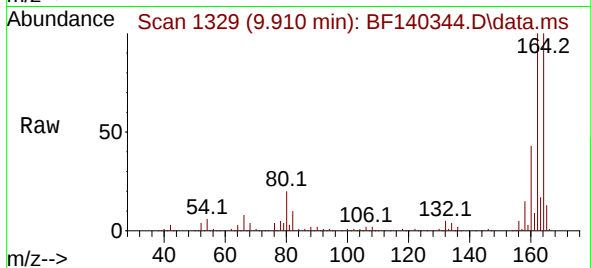
Acq: 13 Nov 2024 16:02

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILD



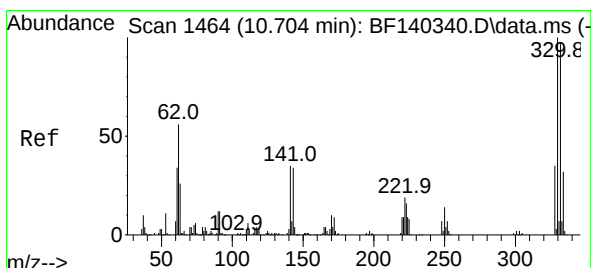
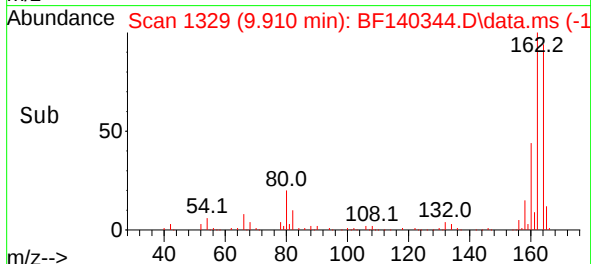
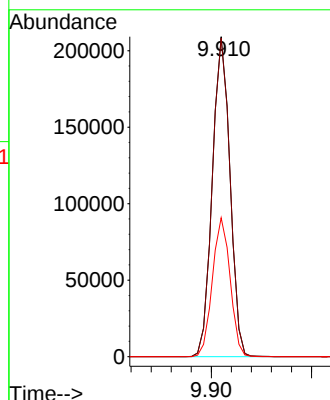
Tgt Ion:164 Resp: 255752

Ion Ratio Lower Upper

164 100

162 99.6 79.8 119.8

160 43.4 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 18.346 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140344.D

Acq: 13 Nov 2024 16:02

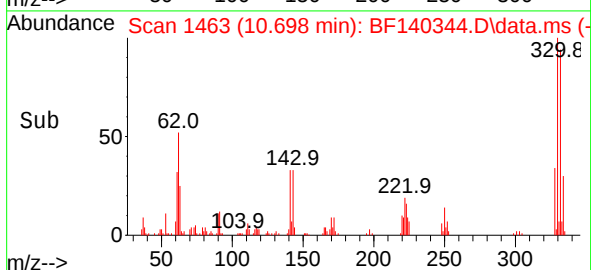
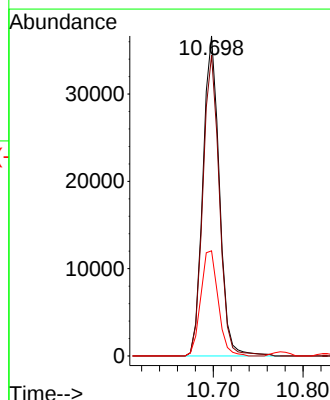
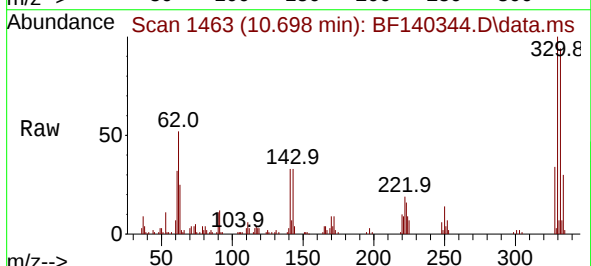
Tgt Ion:330 Resp: 46658

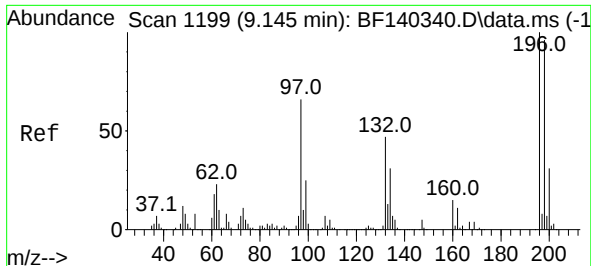
Ion Ratio Lower Upper

330 100

332 93.7 75.9 113.9

141 34.7 26.9 40.3





#43

2,4,6-Trichlorophenol

Concen: 22.801 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.000 min

Lab File: BF140344.D

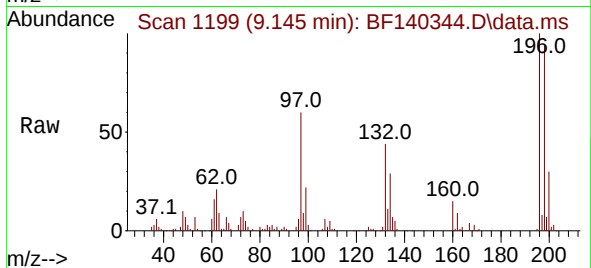
Acq: 13 Nov 2024 16:02

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILD



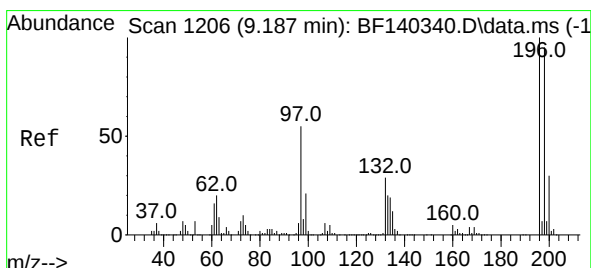
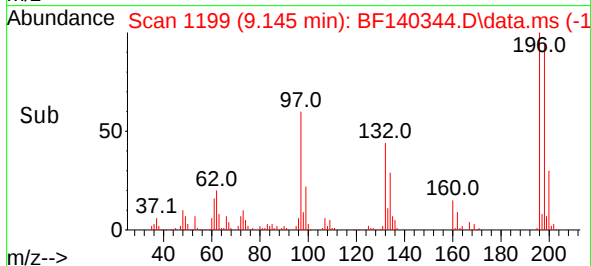
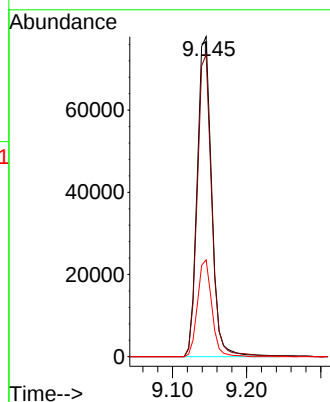
Tgt Ion:196 Resp: 105828

Ion Ratio Lower Upper

196 100

198 94.4 77.0 115.4

200 30.2 24.2 36.4



#44

2,4,5-Trichlorophenol

Concen: 20.855 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.041 min

Lab File: BF140344.D

Acq: 13 Nov 2024 16:02

Tgt Ion:196 Resp: 105828

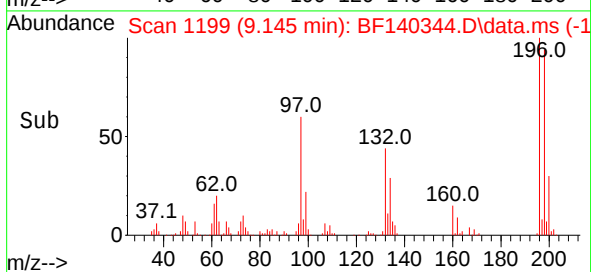
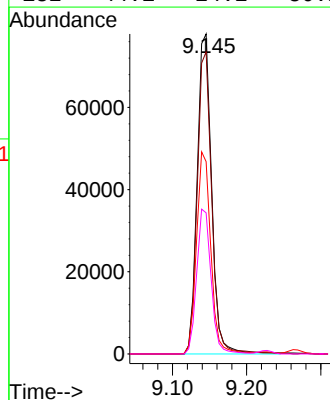
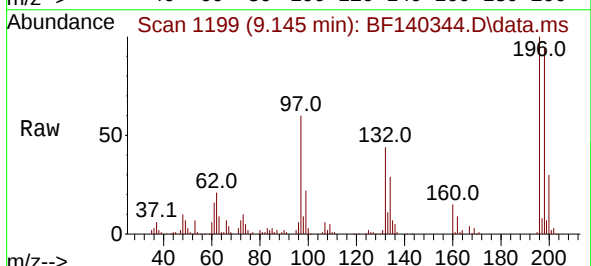
Ion Ratio Lower Upper

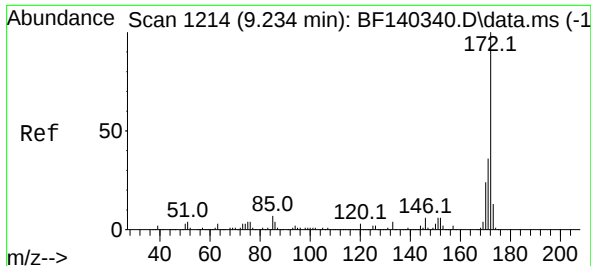
196 100

198 94.4 77.6 116.4

97 60.1 45.4 68.2

132 44.1 24.2 36.2#





#45

2-Fluorobiphenyl

Concen: 12.957 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140344.D

Acq: 13 Nov 2024 16:02

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILD

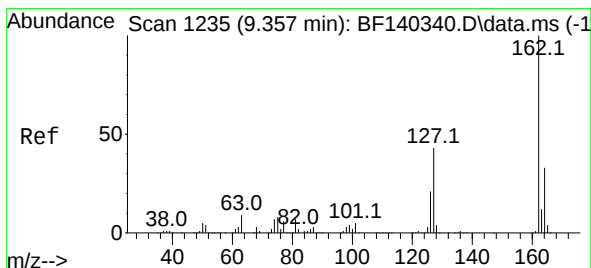
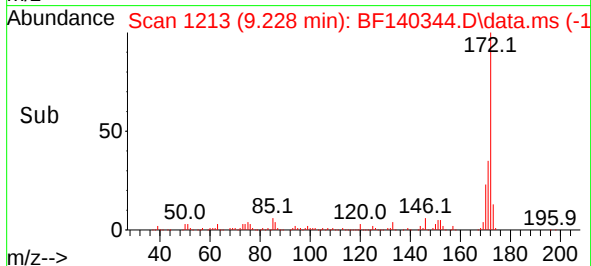
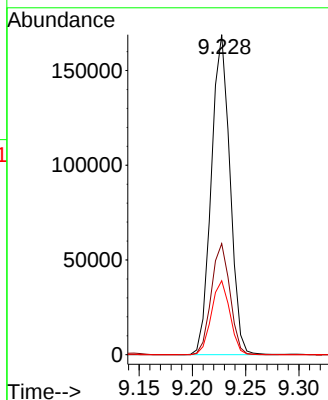
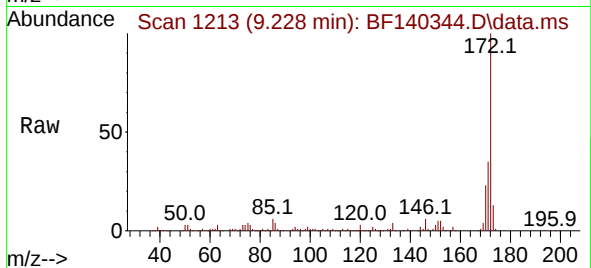
Tgt Ion:172 Resp: 206144

Ion Ratio Lower Upper

172 100

171 34.7 28.5 42.7

170 23.1 19.1 28.7



#47

2-Chloronaphthalene

Concen: 13.888 ng

RT: 9.357 min Scan# 1235

Delta R.T. -0.006 min

Lab File: BF140344.D

Acq: 13 Nov 2024 16:02

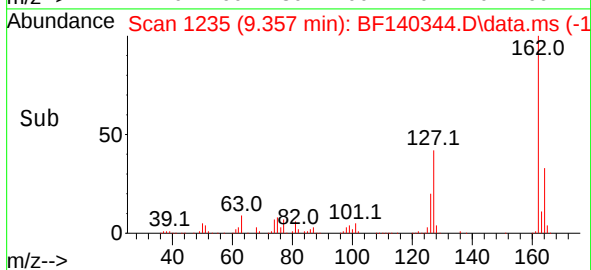
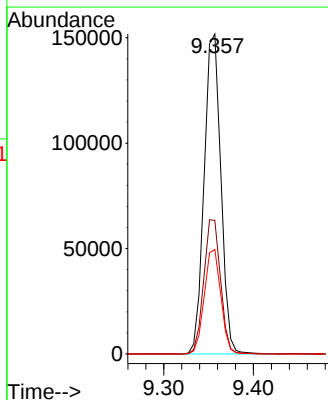
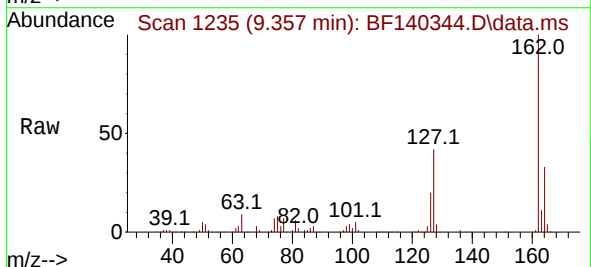
Tgt Ion:162 Resp: 196843

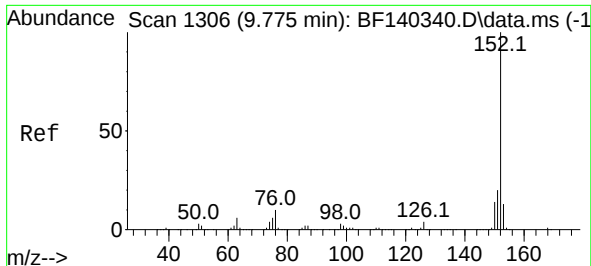
Ion Ratio Lower Upper

162 100

127 41.8 34.0 51.0

164 32.7 26.5 39.7





#49

Acenaphthylene

Concen: 17.326 ng

RT: 9.769 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140344.D

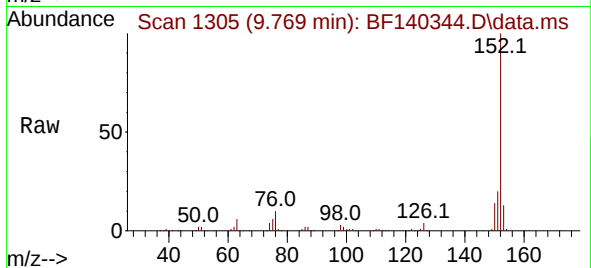
Acq: 13 Nov 2024 16:02

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILD



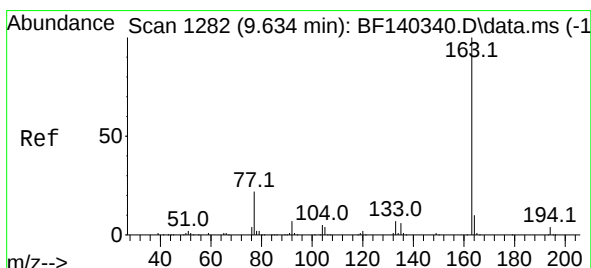
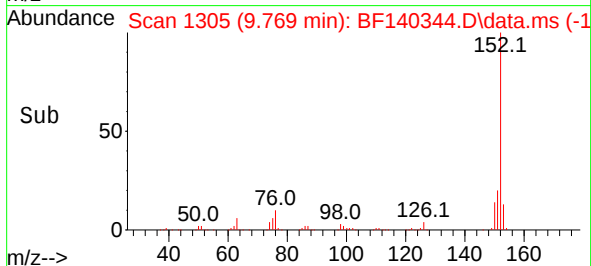
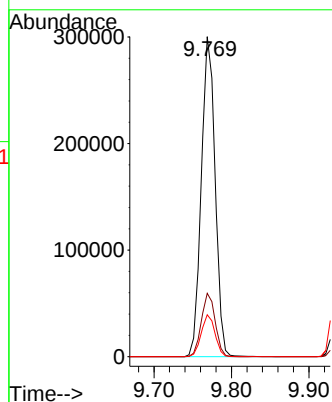
Tgt Ion:152 Resp: 371536

Ion Ratio Lower Upper

152 100

151 19.8 16.1 24.1

153 13.1 10.7 16.1



#50

Dimethylphthalate

Concen: 14.149 ng

RT: 9.622 min Scan# 1280

Delta R.T. -0.012 min

Lab File: BF140344.D

Acq: 13 Nov 2024 16:02

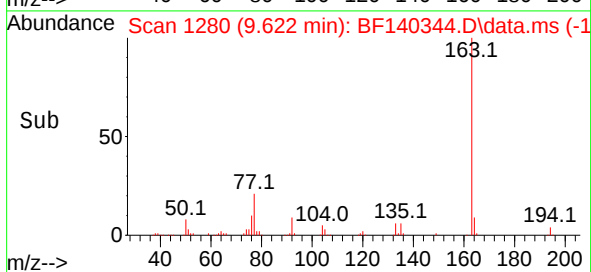
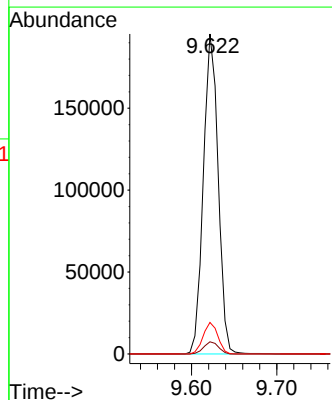
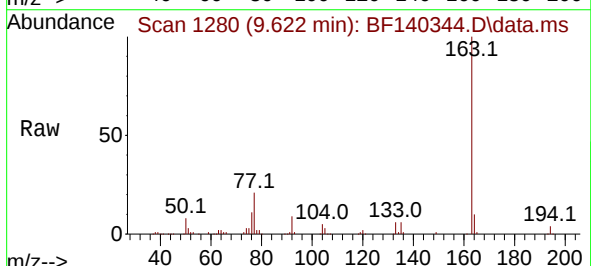
Tgt Ion:163 Resp: 235866

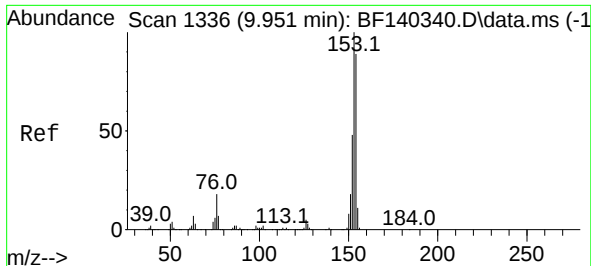
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

164 9.9 8.2 12.4





#52

Acenaphthene

Concen: 14.732 ng

RT: 9.945 min Scan# 1335

Delta R.T. -0.006 min

Lab File: BF140344.D

Acq: 13 Nov 2024 16:02

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILD

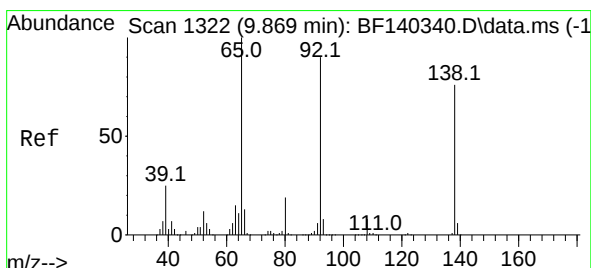
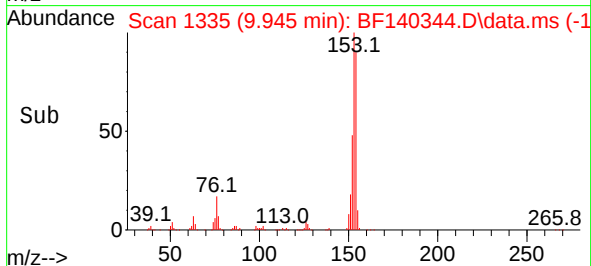
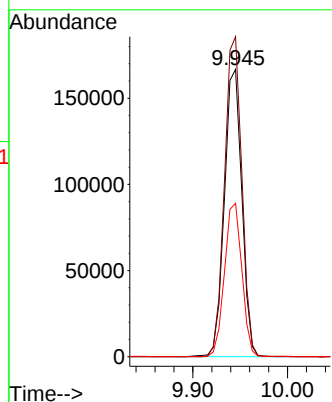
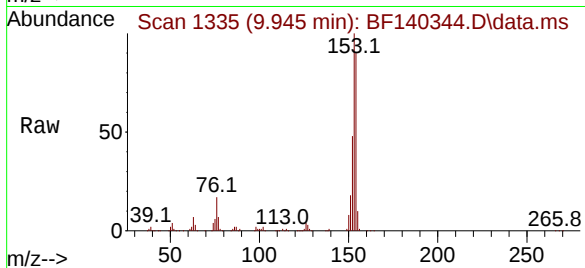
Tgt Ion:154 Resp: 213376

Ion Ratio Lower Upper

154 100

153 111.4 89.8 134.8

152 53.4 42.6 64.0



#53

3-Nitroaniline

Concen: 2.150 ng

RT: 10.116 min Scan# 1364

Delta R.T. 0.247 min

Lab File: BF140344.D

Acq: 13 Nov 2024 16:02

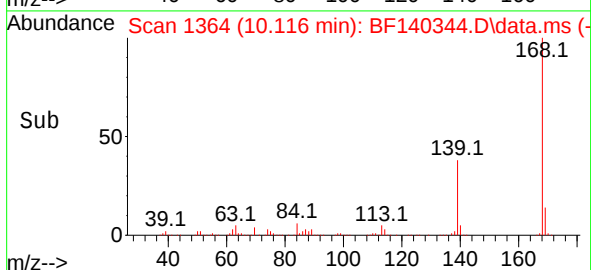
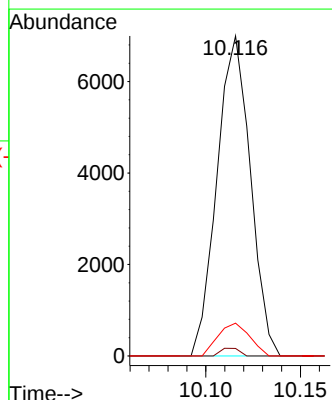
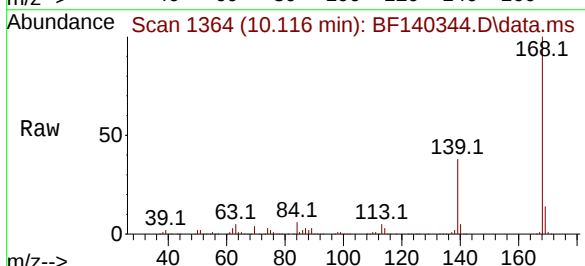
Tgt Ion:138 Resp: 8582

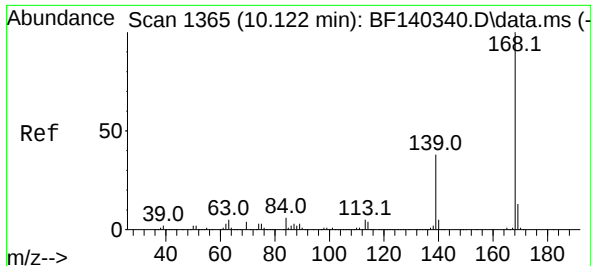
Ion Ratio Lower Upper

138 100

108 2.3 8.4 12.6#

92 10.2 95.5 143.3#

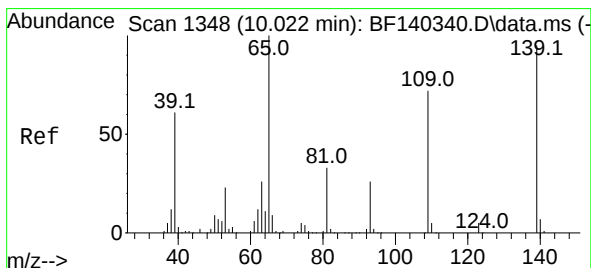
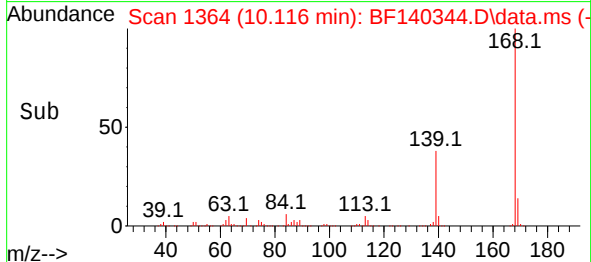
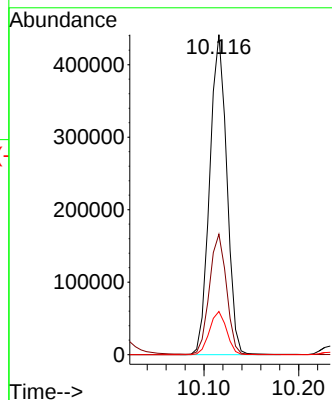
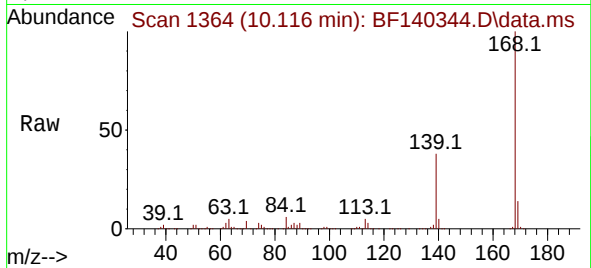




#55
Dibenzenofuran
Concen: 26.893 ng
RT: 10.116 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140344.D
Acq: 13 Nov 2024 16:02

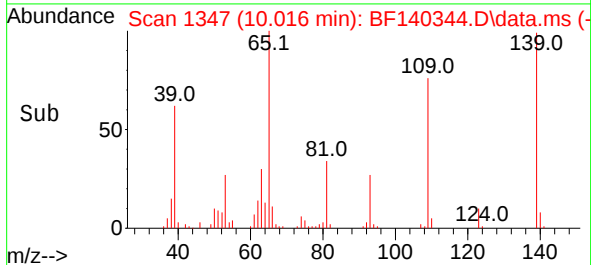
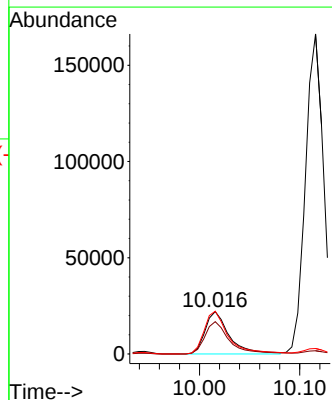
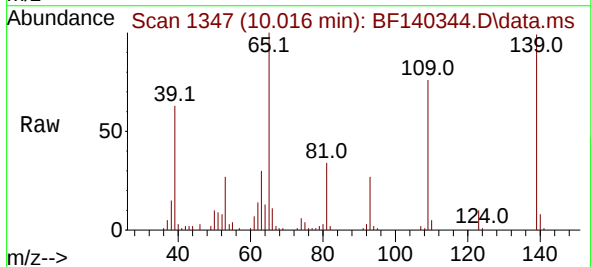
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOILDL

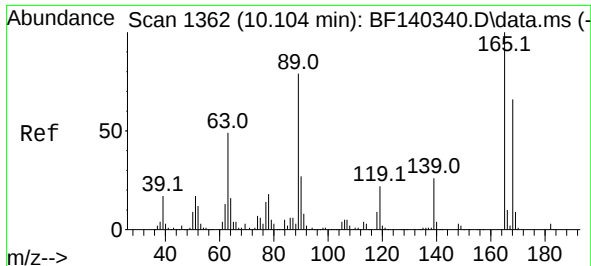
Tgt Ion:168 Resp: 551409
Ion Ratio Lower Upper
168 100
139 37.7 30.8 46.2
169 13.5 10.8 16.2



#56
4-Nitrophenol
Concen: 12.615 ng
RT: 10.016 min Scan# 1347
Delta R.T. -0.006 min
Lab File: BF140344.D
Acq: 13 Nov 2024 16:02

Tgt Ion:139 Resp: 36725
Ion Ratio Lower Upper
139 100
109 76.2 54.5 94.5
65 100.6 84.4 124.4

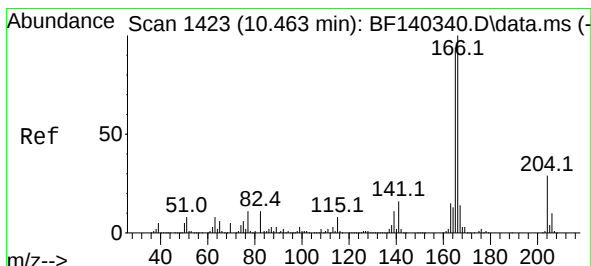
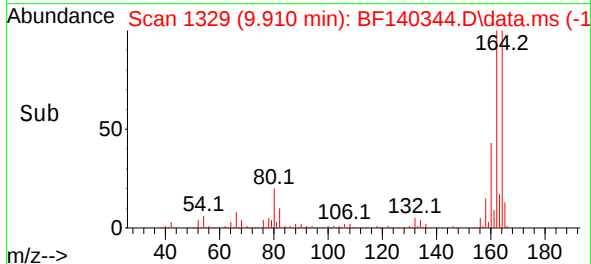
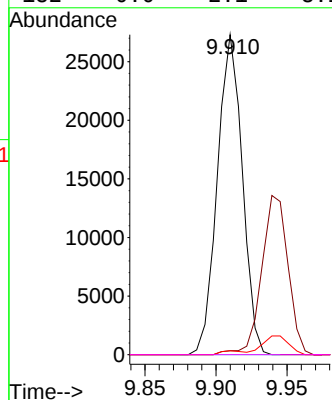
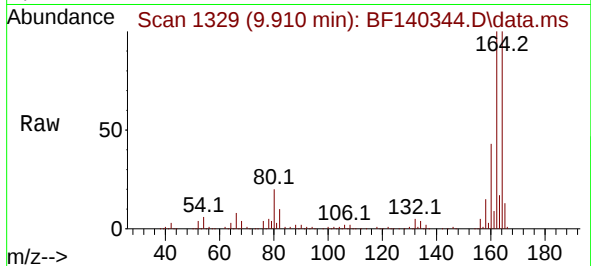




#57
2,4-Dinitrotoluene
Concen: 6.671 ng
RT: 9.910 min Scan# 1421
Delta R.T. -0.194 min
Lab File: BF140344.D
Acq: 13 Nov 2024 16:02

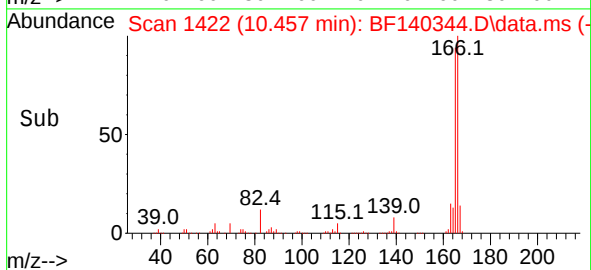
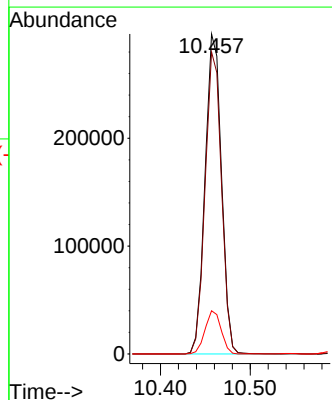
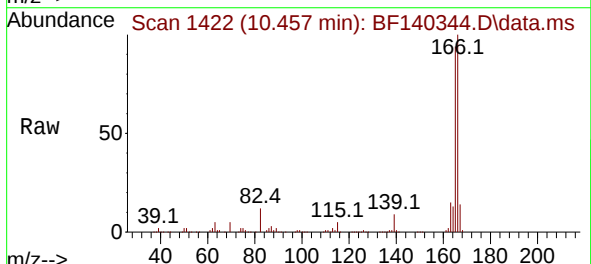
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOILD

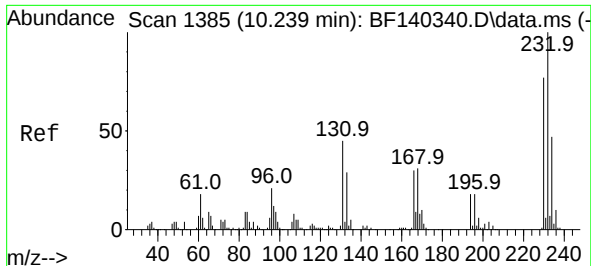
Tgt Ion:165 Resp: 33364
Ion Ratio Lower Upper
165 100
63 1.2 39.4 59.0#
89 1.2 62.4 93.6#
182 0.0 2.1 3.1#



#58
Fluorene
Concen: 23.232 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF140344.D
Acq: 13 Nov 2024 16:02

Tgt Ion:166 Resp: 376301
Ion Ratio Lower Upper
166 100
165 94.4 73.9 110.9
167 13.5 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 12.446 ng

RT: 10.233 min Scan# 1384

Delta R.T. -0.006 min

Lab File: BF140344.D

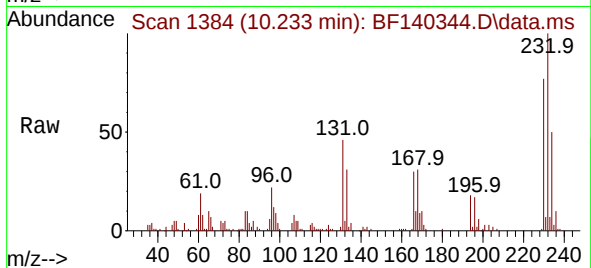
Acq: 13 Nov 2024 16:02

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILD



Tgt Ion:232 Resp: 49869

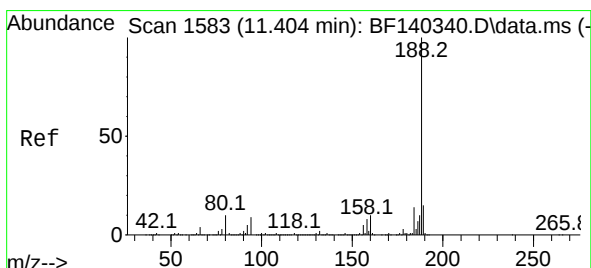
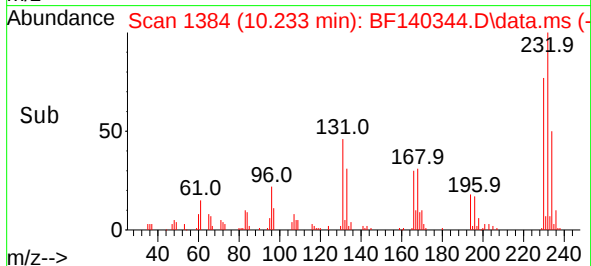
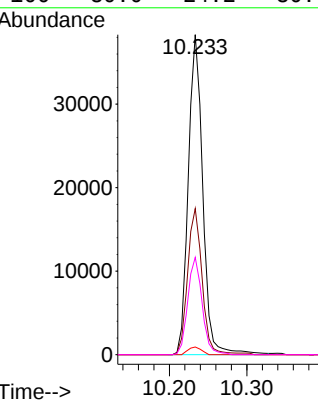
Ion Ratio Lower Upper

232 100

131 45.9 36.8 55.2

130 2.2 1.9 2.9

166 30.0 24.2 36.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF140344.D

Acq: 13 Nov 2024 16:02

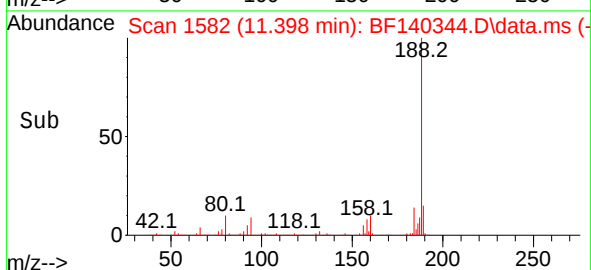
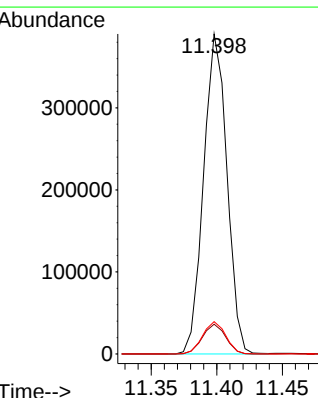
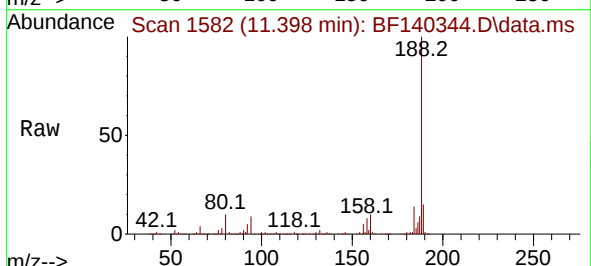
Tgt Ion:188 Resp: 482859

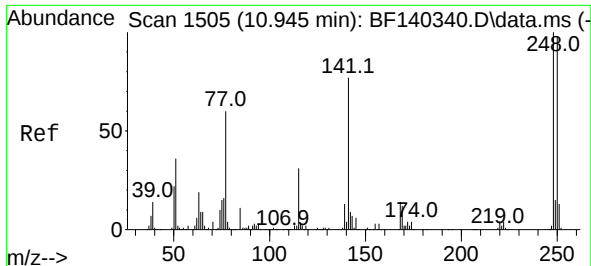
Ion Ratio Lower Upper

188 100

94 9.3 7.6 11.4

80 10.1 8.0 12.0

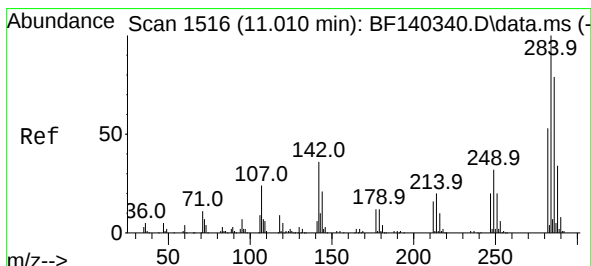
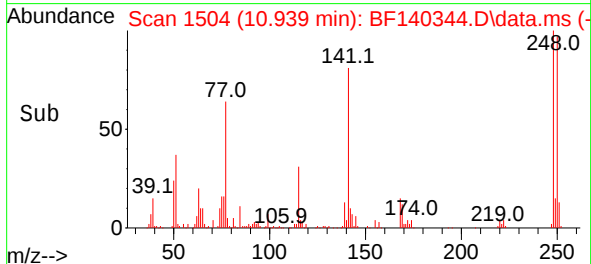
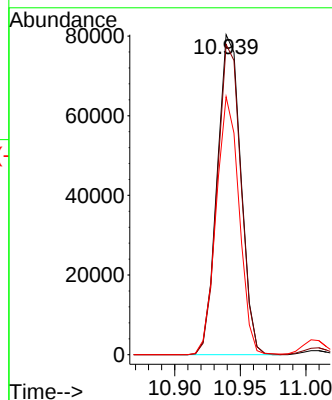
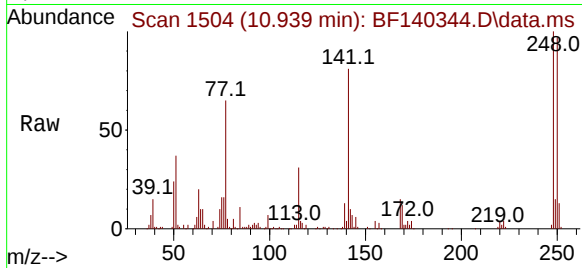




#67
4-Bromophenyl-phenylether
Concen: 20.907 ng
RT: 10.939 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF140344.D
Acq: 13 Nov 2024 16:02

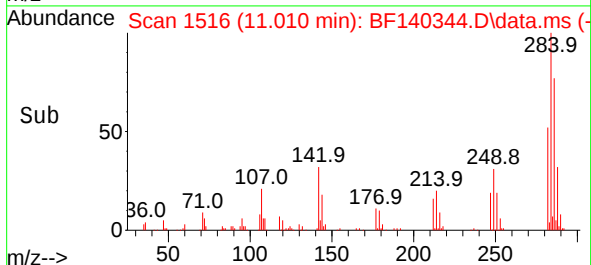
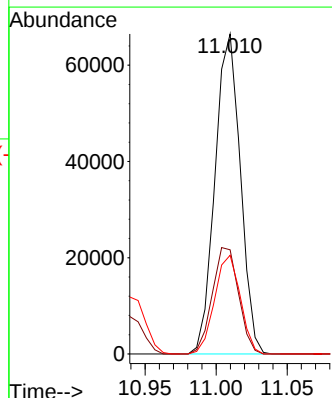
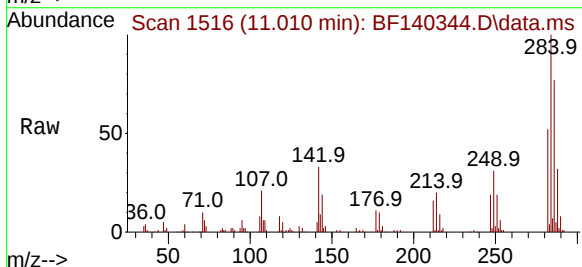
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOILD

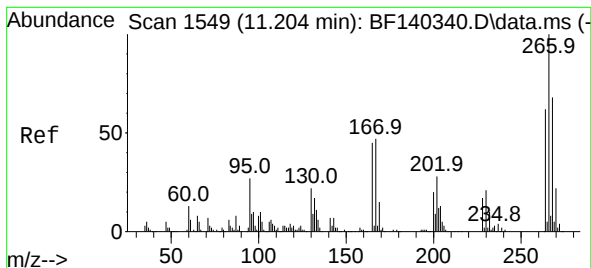
Tgt Ion:248 Resp: 100914
Ion Ratio Lower Upper
248 100
250 96.9 77.9 116.9
141 80.6 61.8 92.6



#68
Hexachlorobenzene
Concen: 15.198 ng
RT: 11.010 min Scan# 1516
Delta R.T. -0.000 min
Lab File: BF140344.D
Acq: 13 Nov 2024 16:02

Tgt Ion:284 Resp: 82539
Ion Ratio Lower Upper
284 100
142 32.6 28.1 42.1
249 30.9 24.9 37.3





#70

Pentachlorophenol

Concen: 14.344 ng

RT: 11.204 min Scan# 1549

Delta R.T. -0.000 min

Lab File: BF140344.D

Acq: 13 Nov 2024 16:02

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILD

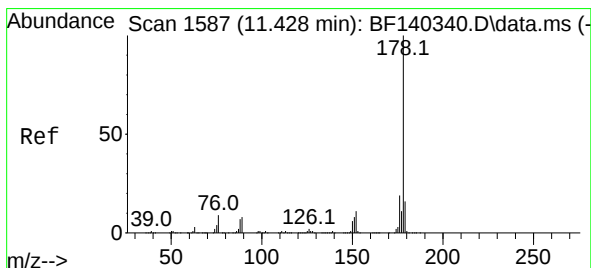
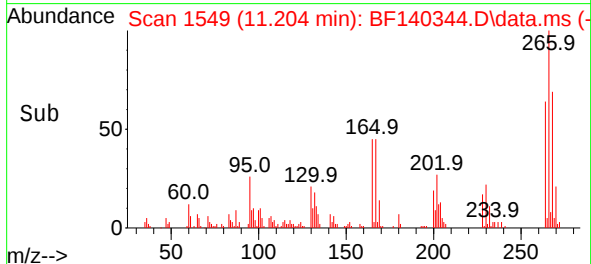
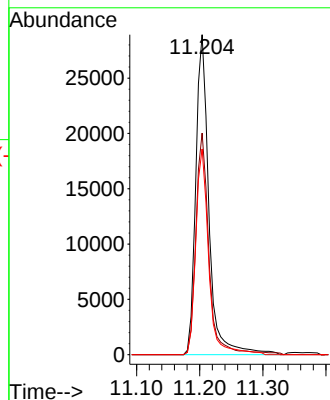
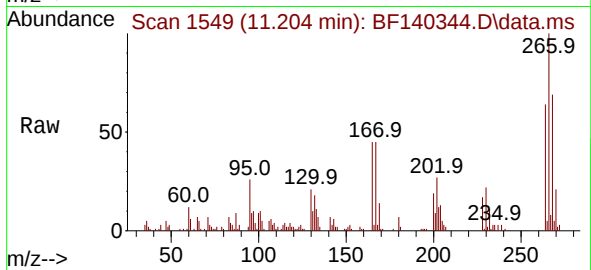
Tgt Ion:266 Resp: 41962

Ion Ratio Lower Upper

266 100

268 69.3 52.9 79.3

264 64.3 50.3 75.5



#71

Phenanthrene

Concen: 12.501 ng

RT: 11.422 min Scan# 1586

Delta R.T. -0.006 min

Lab File: BF140344.D

Acq: 13 Nov 2024 16:02

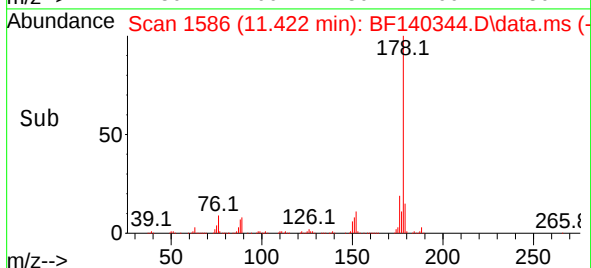
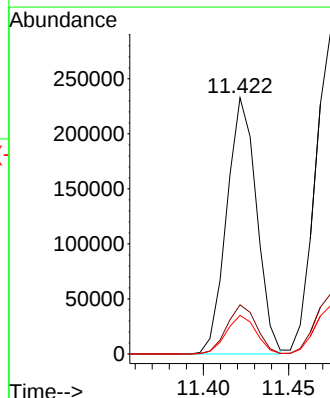
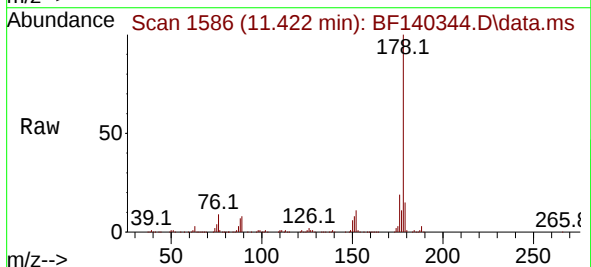
Tgt Ion:178 Resp: 283557

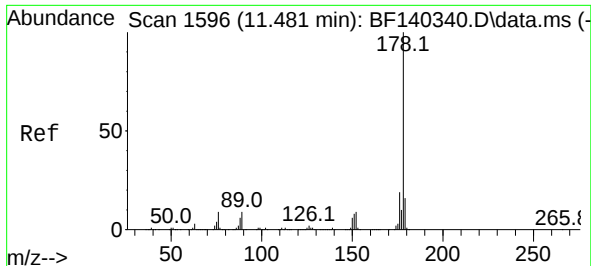
Ion Ratio Lower Upper

178 100

176 19.2 15.5 23.3

179 15.1 12.4 18.6

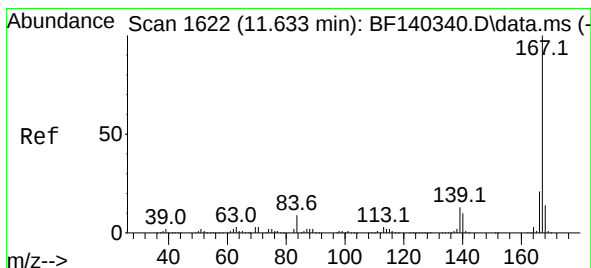
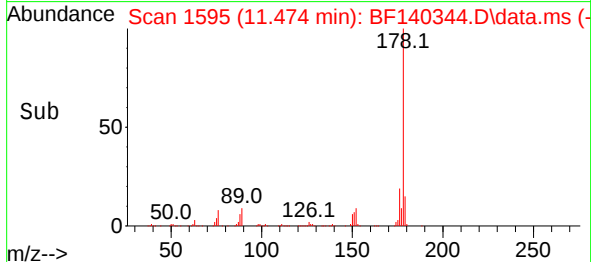
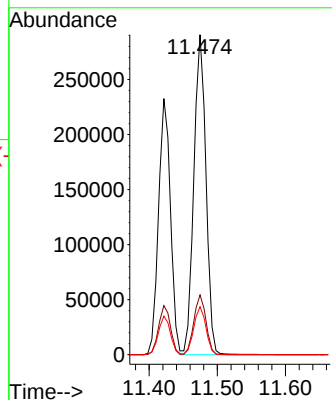
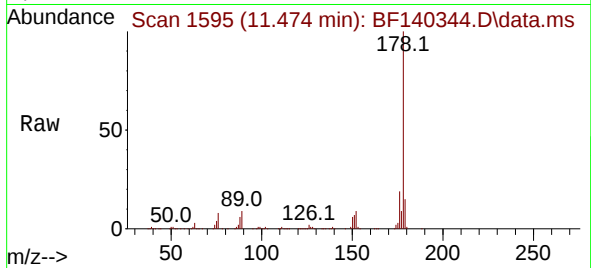




#72
 Anthracene
 Concen: 16.093 ng
 RT: 11.474 min Scan# 1595
 Delta R.T. -0.006 min
 Lab File: BF140344.D
 Acq: 13 Nov 2024 16:02

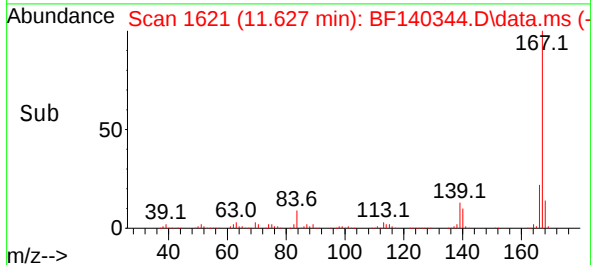
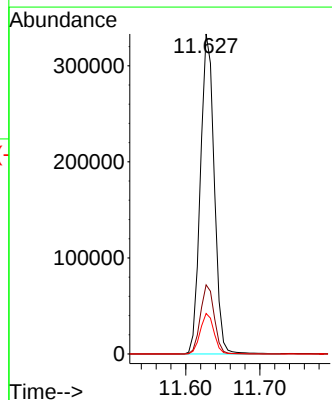
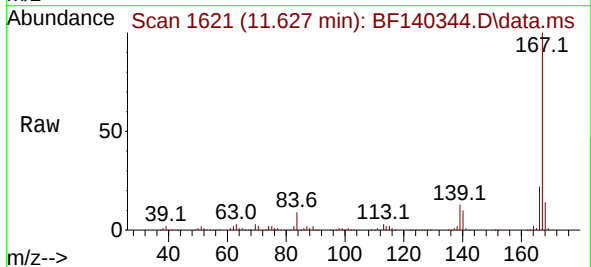
Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOILD

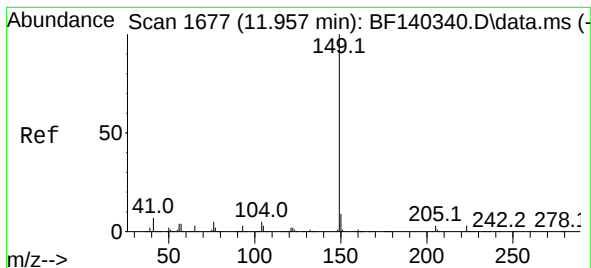
Tgt Ion:178 Resp: 357761
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.4 23.0
 179 15.0 12.6 18.8



#73
 Carbazole
 Concen: 19.681 ng
 RT: 11.627 min Scan# 1621
 Delta R.T. -0.006 min
 Lab File: BF140344.D
 Acq: 13 Nov 2024 16:02

Tgt Ion:167 Resp: 432010
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.2 25.8
 139 12.7 10.4 15.6

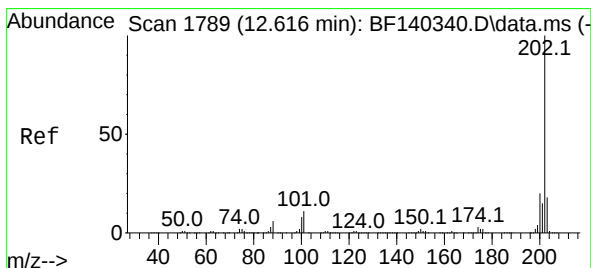
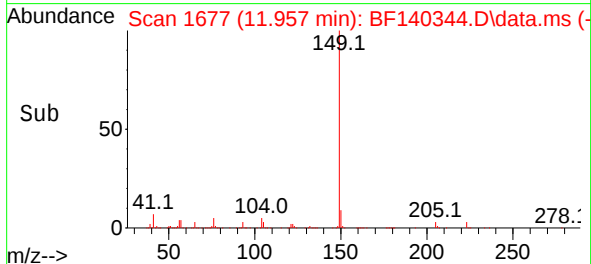
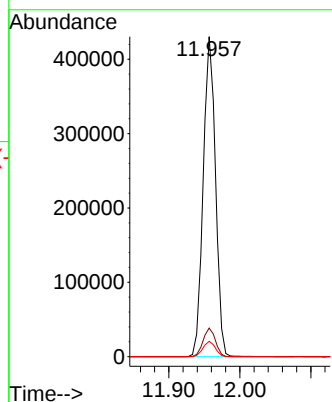
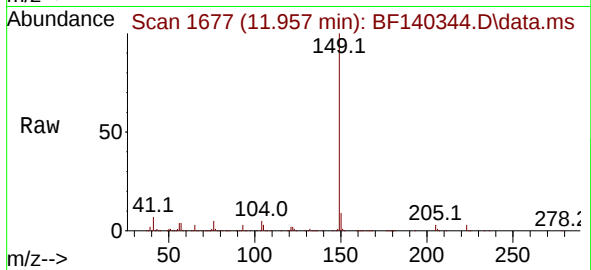




#74
Di-n-butylphthalate
Concen: 19.671 ng
RT: 11.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140344.D
Acq: 13 Nov 2024 16:02

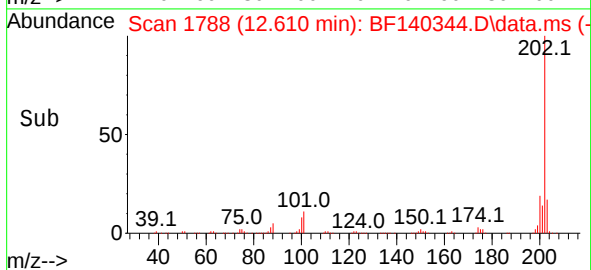
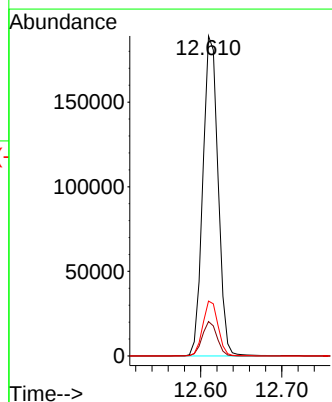
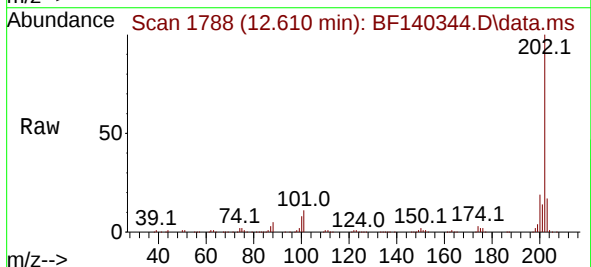
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOILDL

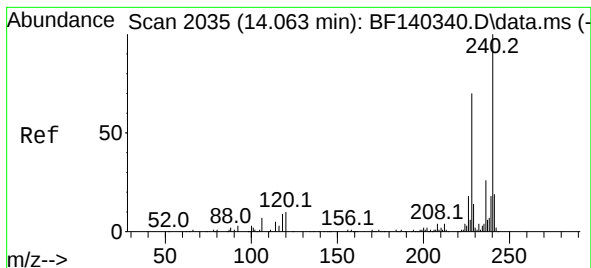
Tgt Ion:149 Resp: 518228
Ion Ratio Lower Upper
149 100
150 9.0 7.4 11.2
104 4.8 4.0 6.0



#75
Fluoranthene
Concen: 9.659 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF140344.D
Acq: 13 Nov 2024 16:02

Tgt Ion:202 Resp: 245814
Ion Ratio Lower Upper
202 100
101 10.8 0.0 30.7
203 17.1 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2035

Delta R.T. 0.012 min

Lab File: BF140344.D

Acq: 13 Nov 2024 16:02

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILDL

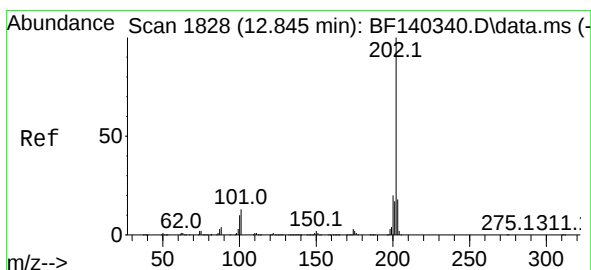
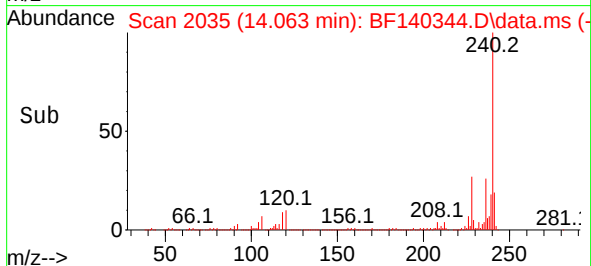
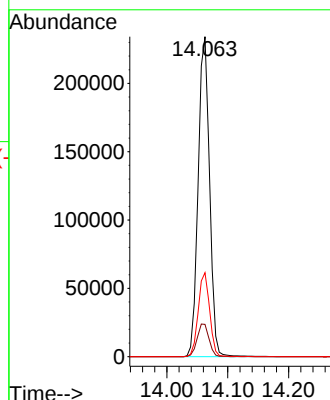
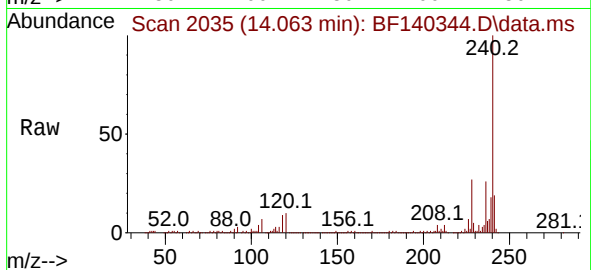
Tgt Ion:240 Resp: 303940

Ion Ratio Lower Upper

240 100

120 10.1 8.8 13.2

236 26.3 20.9 31.3



#78

Pyrene

Concen: 9.455 ng

RT: 12.610 min Scan# 1788

Delta R.T. -0.235 min

Lab File: BF140344.D

Acq: 13 Nov 2024 16:02

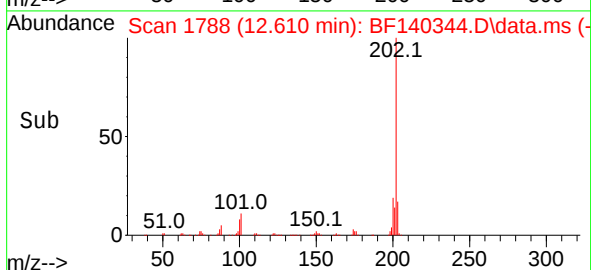
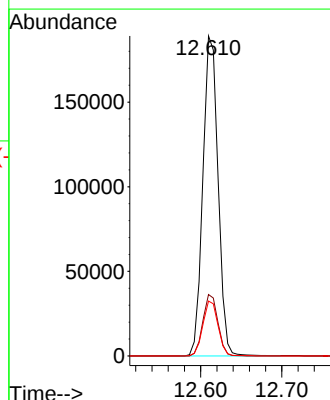
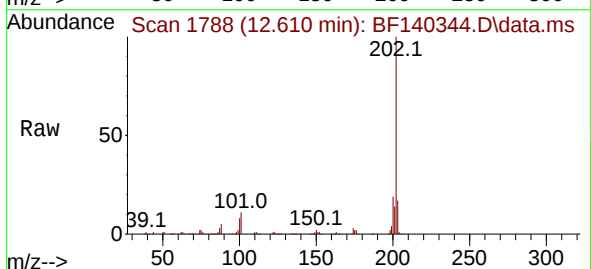
Tgt Ion:202 Resp: 245814

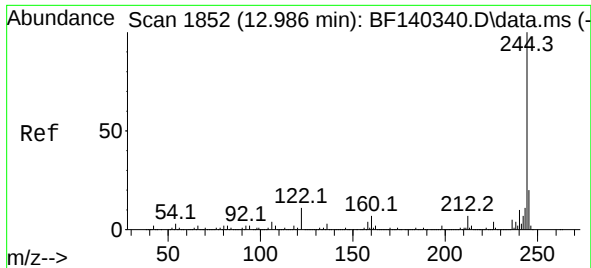
Ion Ratio Lower Upper

202 100

200 19.2 16.2 24.2

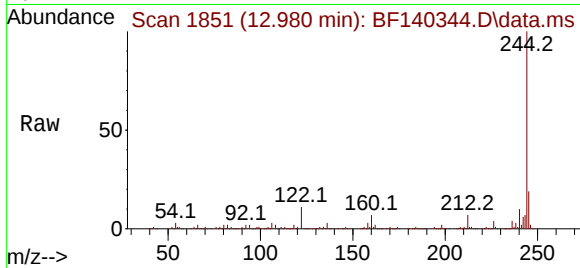
203 17.1 14.2 21.4



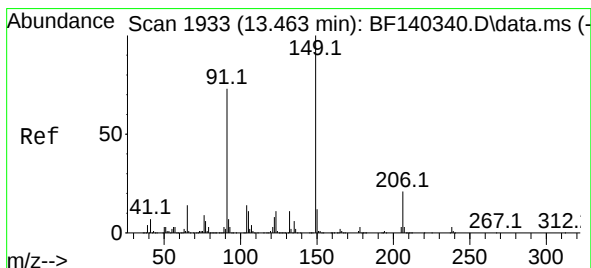
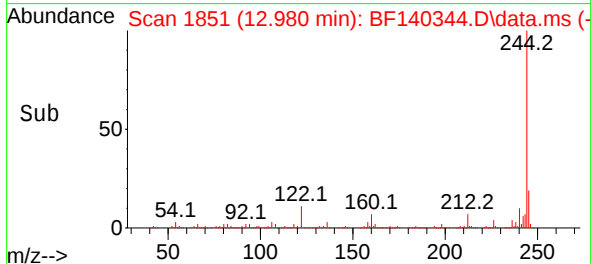
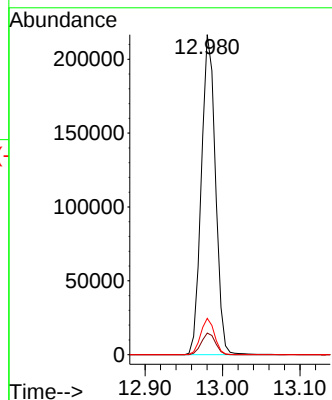


#79
 Terphenyl-d14
 Concen: 15.676 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF140344.D
 Acq: 13 Nov 2024 16:02

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOILD

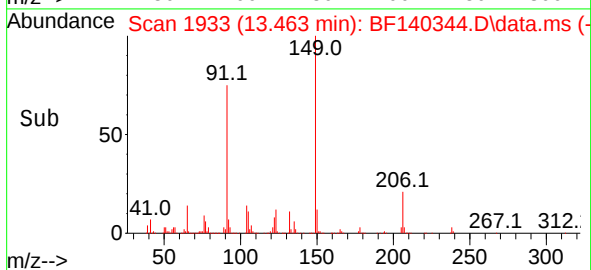
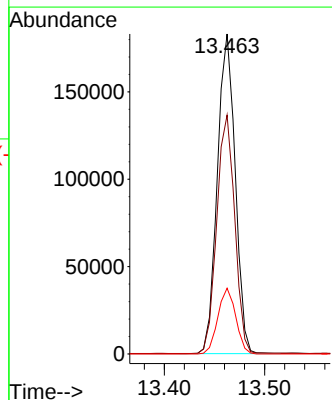
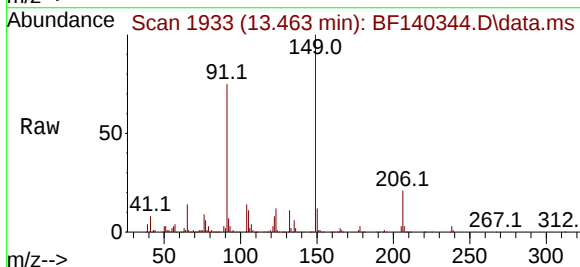


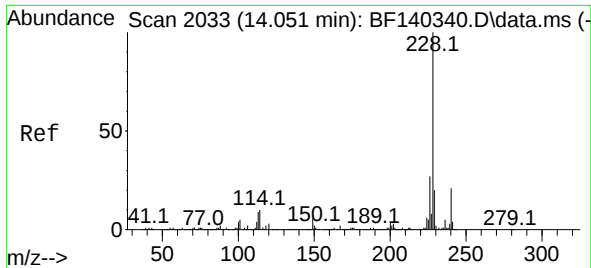
Tgt Ion:244 Resp: 274486
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.8
 122 11.4 8.8 13.2



#80
 Butylbenzylphthalate
 Concen: 22.680 ng
 RT: 13.463 min Scan# 1933
 Delta R.T. 0.006 min
 Lab File: BF140344.D
 Acq: 13 Nov 2024 16:02

Tgt Ion:149 Resp: 226506
 Ion Ratio Lower Upper
 149 100
 91 74.6 61.0 91.4
 206 20.5 16.1 24.1

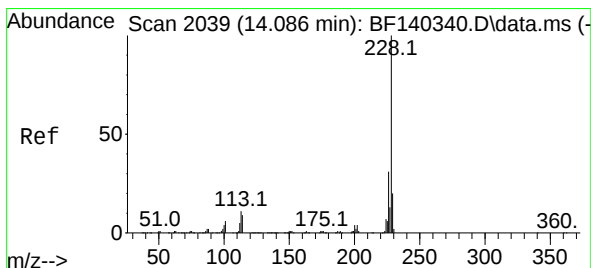
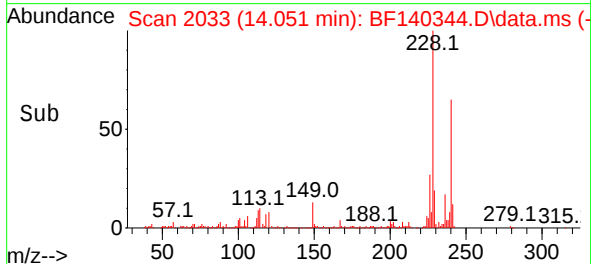
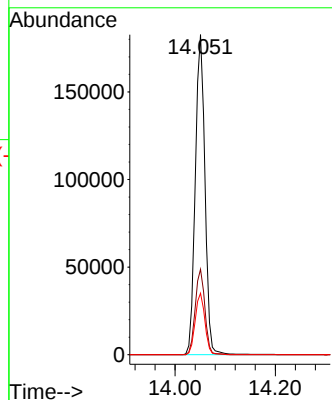
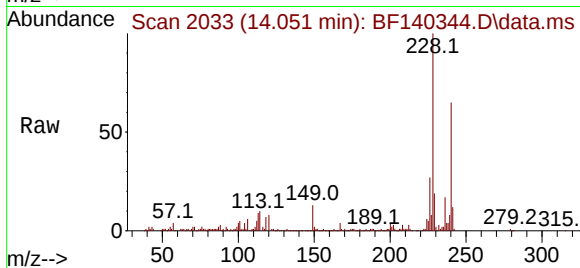




#81
Benzo(a)anthracene
Concen: 12.191 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.012 min
Lab File: BF140344.D
Acq: 13 Nov 2024 16:02

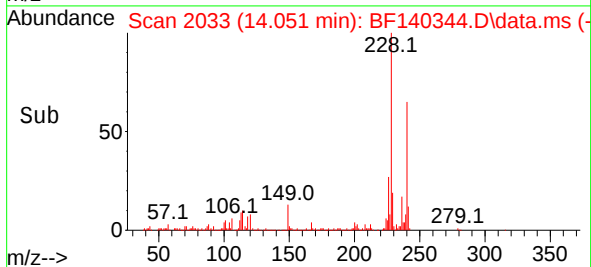
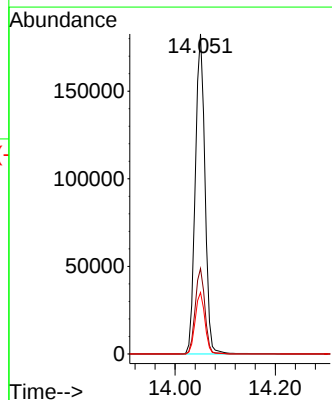
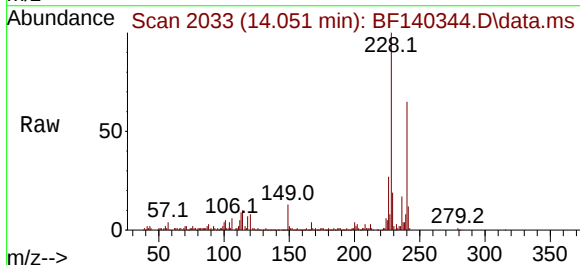
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOILDL

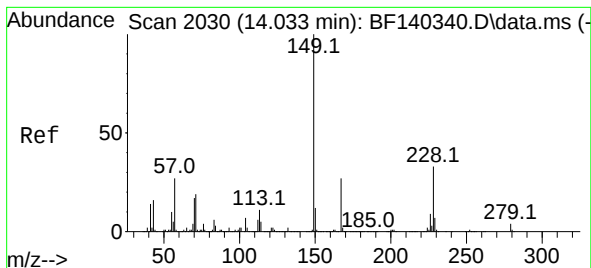
Tgt Ion:228 Resp: 243532
Ion Ratio Lower Upper
228 100
226 26.7 22.2 33.4
229 19.2 15.8 23.6



#83
Chrysene
Concen: 13.362 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.030 min
Lab File: BF140344.D
Acq: 13 Nov 2024 16:02

Tgt Ion:228 Resp: 243532
Ion Ratio Lower Upper
228 100
226 26.7 24.5 36.7
229 19.2 16.0 24.0

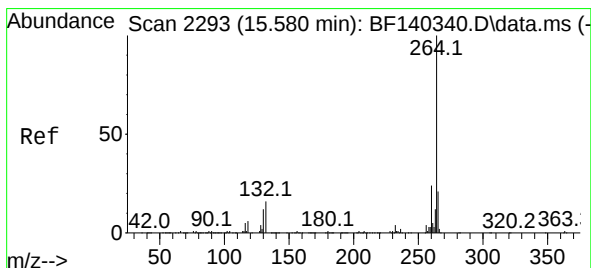
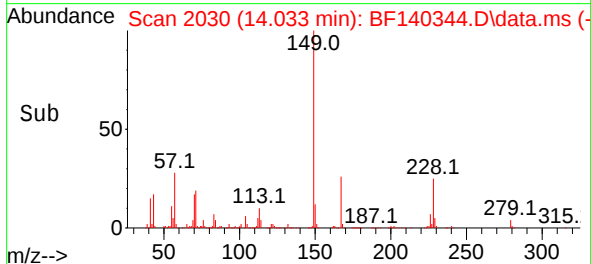
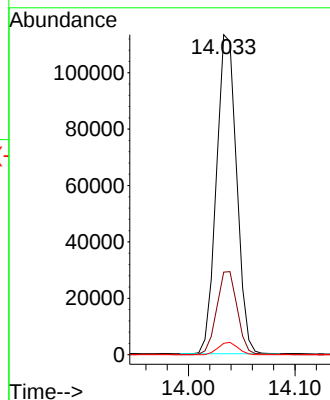
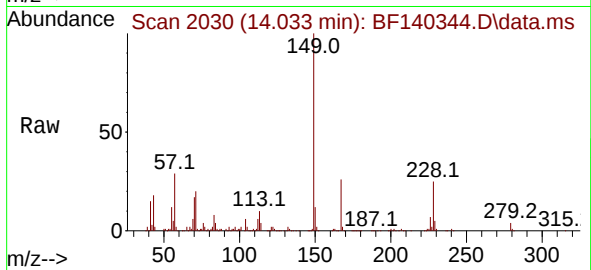




#84
Bis(2-ethylhexyl)phthalate
Concen: 11.197 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.012 min
Lab File: BF140344.D
Acq: 13 Nov 2024 16:02

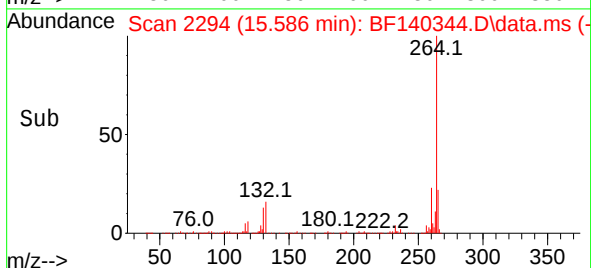
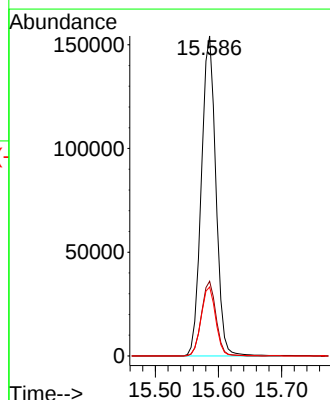
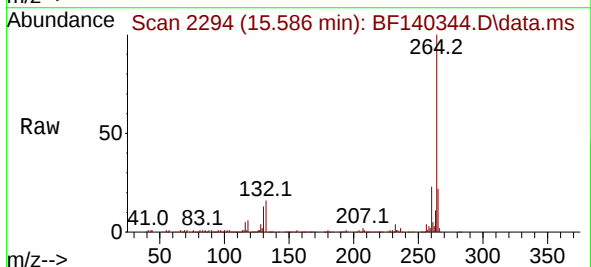
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOILDL

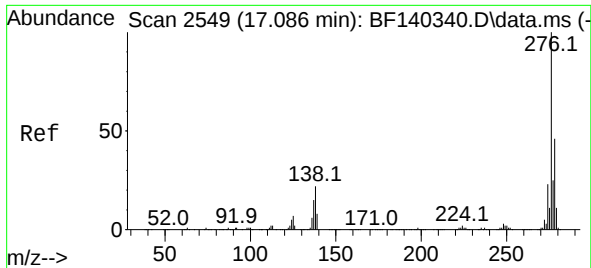
Tgt Ion:149 Resp: 149258
Ion Ratio Lower Upper
149 100
167 25.8 21.4 32.0
279 3.6 3.0 4.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.586 min Scan# 2294
Delta R.T. 0.029 min
Lab File: BF140344.D
Acq: 13 Nov 2024 16:02

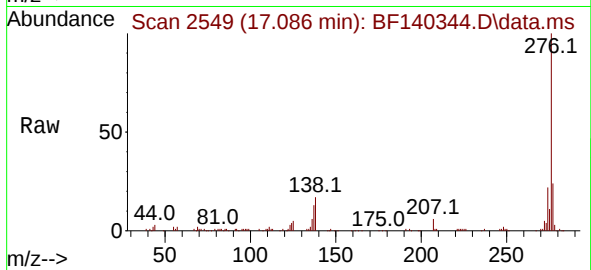
Tgt Ion:264 Resp: 245817
Ion Ratio Lower Upper
264 100
260 23.3 19.2 28.8
265 21.6 17.1 25.7





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.490 ng
 RT: 17.086 min Scan# 2549
 Delta R.T. 0.029 min
 Lab File: BF140344.D
 Acq: 13 Nov 2024 16:02

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOILD



Tgt Ion:276 Resp: 113732
 Ion Ratio Lower Upper
 276 100
 138 17.8 18.8 28.2#
 277 24.0 20.2 30.2

