

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121024\
 Data File : BF140818.D
 Acq On : 10 Dec 2024 20:37
 Operator : RC/JU
 Sample : P5223-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-120924

Quant Time: Dec 11 00:35:34 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

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

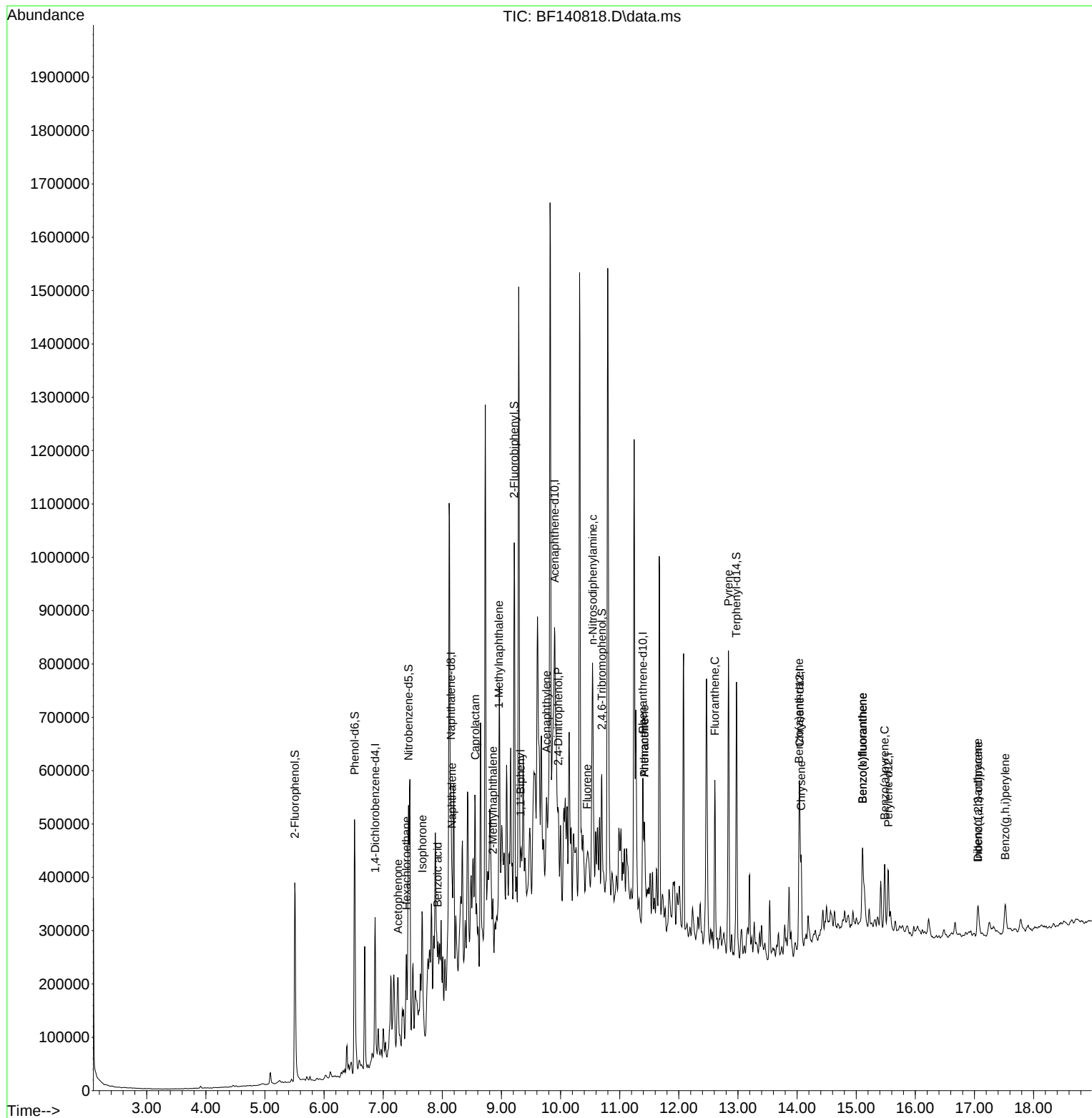
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	48374	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	163476	20.000	ng	#-0.01
39) Acenaphthene-d10	9.898	164	80039	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	122280	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	91110	20.000	ng	0.00
86) Perylene-d12	15.545	264	63082	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	165911	58.519	ng	0.00
7) Phenol-d6	6.516	99	221868	59.194	ng	0.00
23) Nitrobenzene-d5	7.428	82	154724	48.412	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	40371	47.161	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	282627	52.612	ng	-0.02
79) Terphenyl-d14	12.974	244	236528	40.424	ng	-0.02
Target Compounds						Qvalue
18) Hexachloroethane	7.392	117	9361	7.222	ng	# 1
22) Acetophenone	7.251	105	25906	6.500	ng	# 55
25) Isophorone	7.663	82	10900	2.045	ng	# 1
31) Naphthalene	8.163	128	27160	3.225	ng	# 76
32) Benzoic acid	7.922	122	1150	7.833	ng	# 1
35) Caprolactam	8.557	113	7348	10.231	ng	# 1
37) 2-Methylnaphthalene	8.857	142	31610	5.910	ng	98
38) 1-Methylnaphthalene	8.957	142	22452	4.283	ng	90
46) 1,1'-Biphenyl	9.322	154	15182	2.541	ng	93
49) Acenaphthylene	9.763	152	30898	4.516	ng	# 88
54) 2,4-Dinitrophenol	9.963	184	63	7.915	ng	# 1
58) Fluorene	10.451	166	11304	2.124	ng	# 64
66) n-Nitrosodiphenylamine	10.545	169	13041	3.606	ng	# 78
71) Phenanthrene	11.416	178	52975	9.013	ng	97
72) Anthracene	11.416	178	52975	9.214	ng	96
75) Fluoranthene	12.610	202	160825	25.200	ng	99
78) Pyrene	12.839	202	188607	22.389	ng	98
81) Benzo(a)anthracene	14.033	228	107391	17.806	ng	# 92
83) Chrysene	14.068	228	90567	16.423	ng	# 93
87) Indeno(1,2,3-cd)pyrene	17.062	276	39258	9.550	ng	97
88) Benzo(b)fluoranthene	15.109	252	128857	32.521	ng	95
89) Benzo(k)fluoranthene	15.109	252	128857	37.163	ng	# 95
90) Benzo(a)pyrene	15.480	252	69554	21.590	ng	# 95
91) Dibenzo(a,h)anthracene	17.056	278	11600	3.445	ng	# 75
92) Benzo(g,h,i)perylene	17.521	276	51153	14.889	ng	98

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

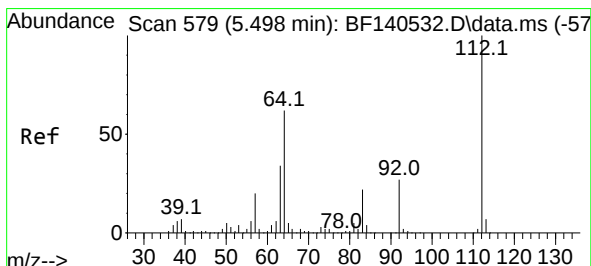
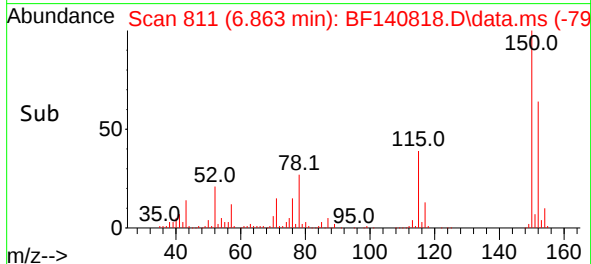
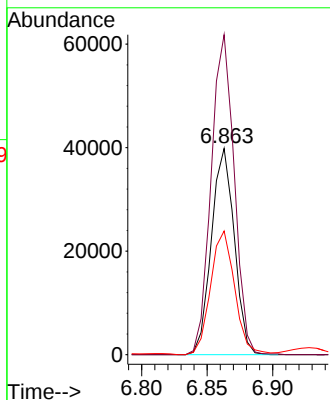
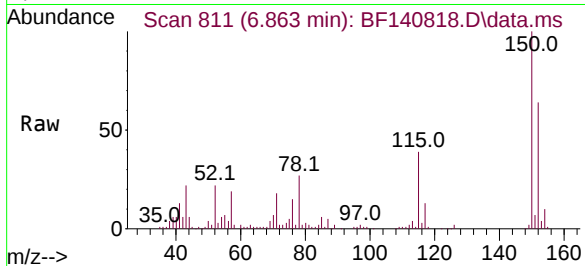




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF140818.D
Acq: 10 Dec 2024 20:37

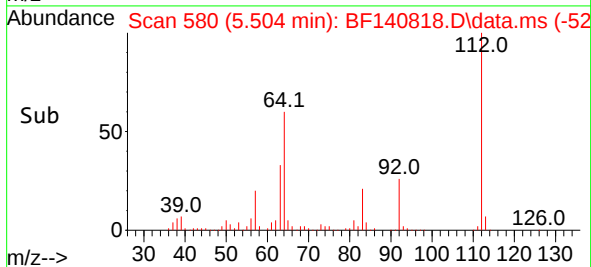
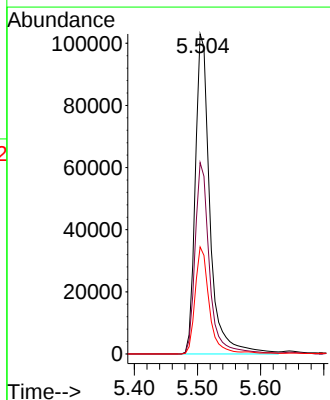
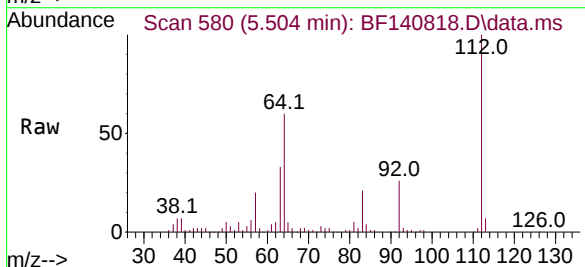
Instrument :
BNA_F
ClientSampleId :
TR-05-120924

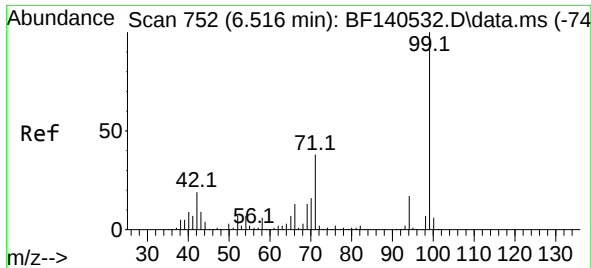
Tgt Ion:152 Resp: 48374
Ion Ratio Lower Upper
152 100
150 155.1 128.5 192.7
115 59.9 50.2 75.4



#5
2-Fluorophenol
Concen: 58.519 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140818.D
Acq: 10 Dec 2024 20:37

Tgt Ion:112 Resp: 165911
Ion Ratio Lower Upper
112 100
64 59.8 49.2 73.8
63 33.4 27.0 40.4

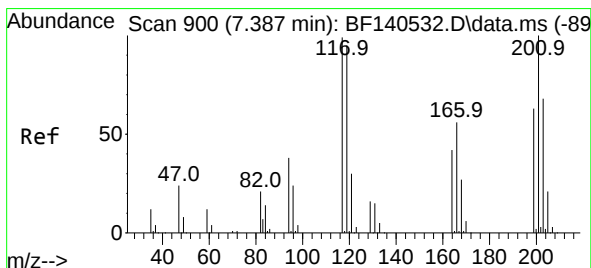
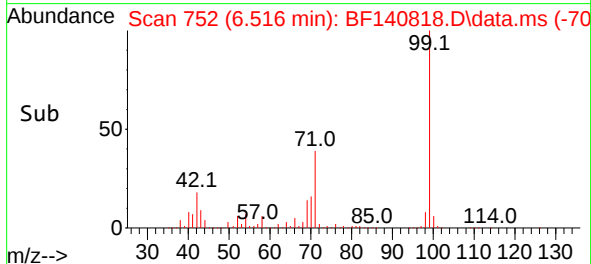
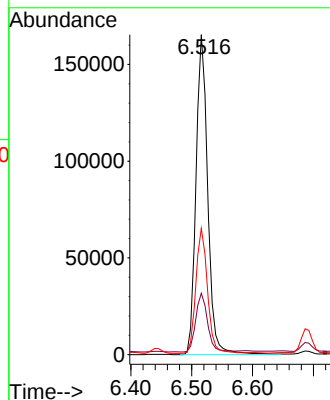
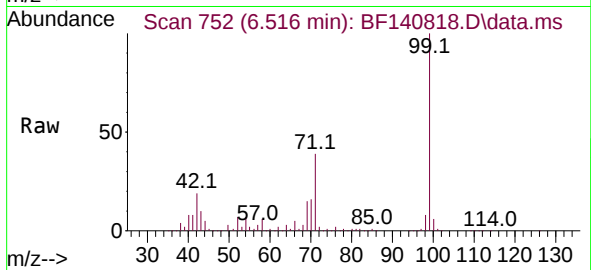




#7
Phenol-d6
Concen: 59.194 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF140818.D
Acq: 10 Dec 2024 20:37

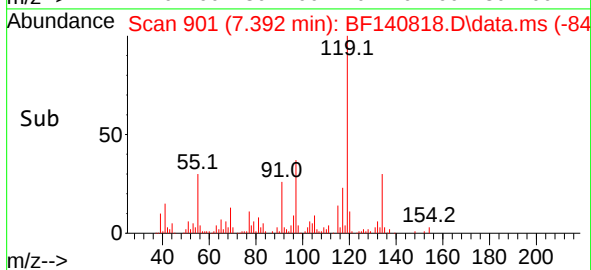
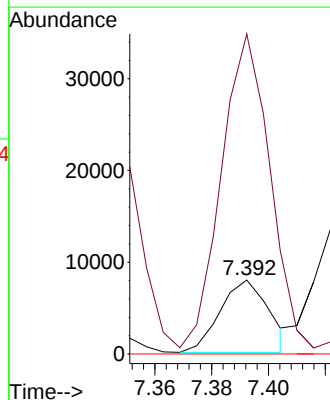
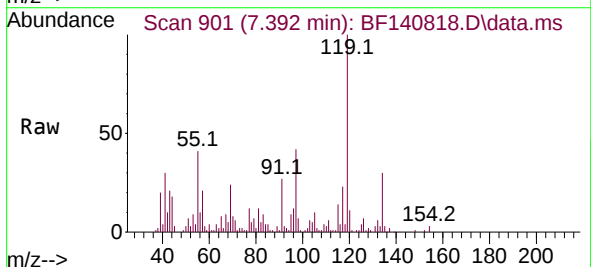
Instrument :
BNA_F
ClientSampleId :
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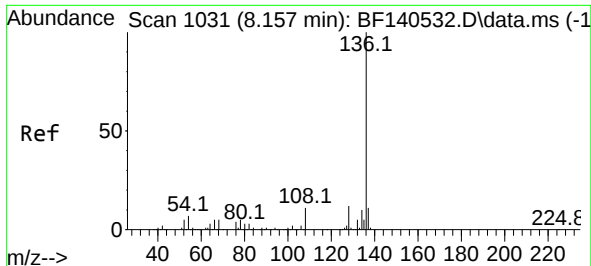
Tgt Ion: 99 Resp: 221868
Ion Ratio Lower Upper
99 100
42 19.2 15.4 23.0
71 39.5 30.6 46.0



#18
Hexachloroethane
Concen: 7.222 ng
RT: 7.392 min Scan# 901
Delta R.T. 0.006 min
Lab File: BF140818.D
Acq: 10 Dec 2024 20:37

Tgt Ion: 117 Resp: 9361
Ion Ratio Lower Upper
117 100
119 433.2 77.1 115.7#
201 0.0 81.1 121.7#

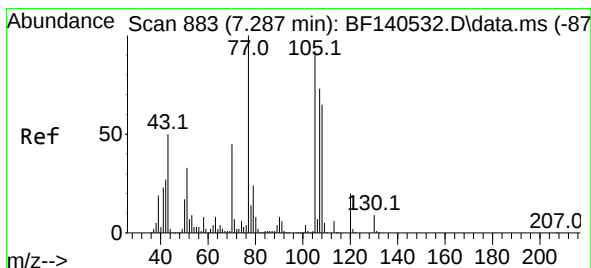
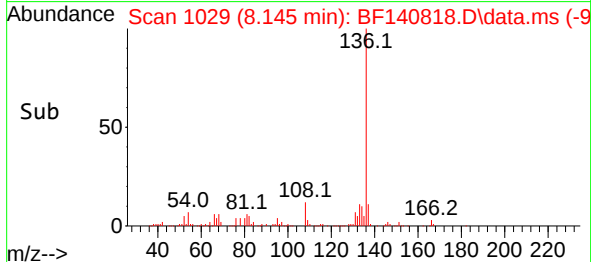
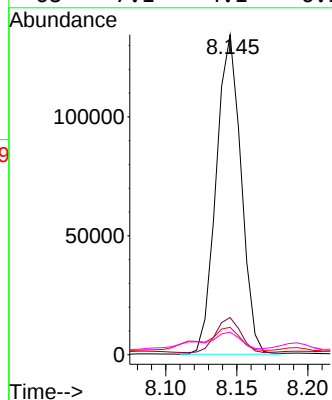
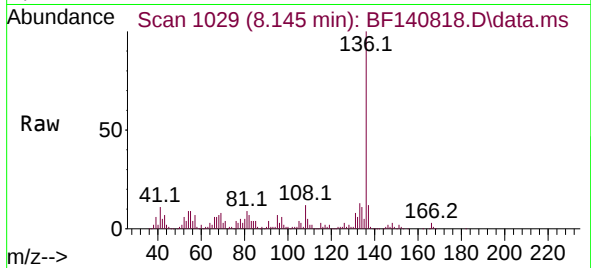




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1031
Delta R.T. -0.012 min
Lab File: BF140818.D
Acq: 10 Dec 2024 20:37

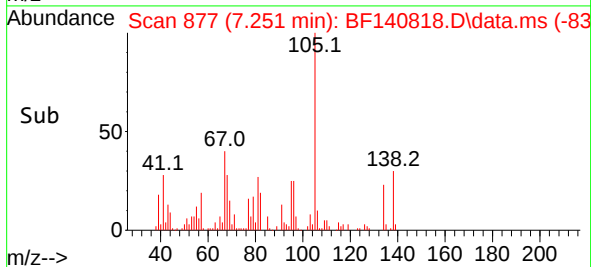
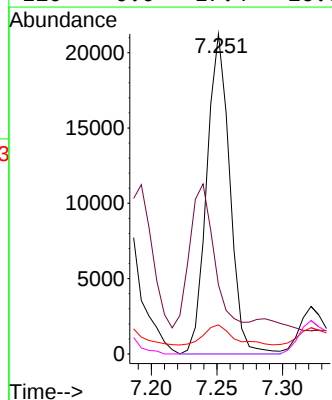
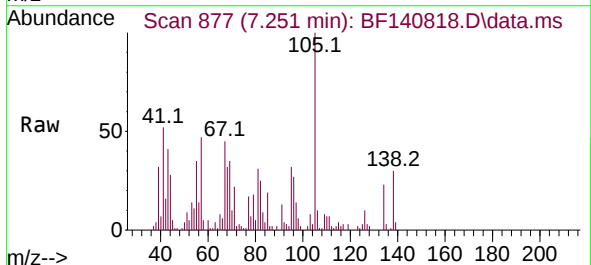
Instrument :
BNA_F
ClientSampleId :
TR-05-120924

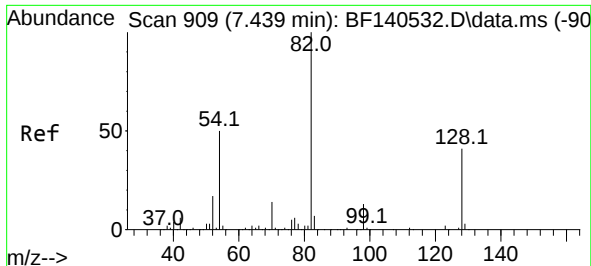
Tgt Ion:	136	Resp:	163476
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.6	13.0
54	8.5	5.8	8.8
68	7.1	4.1	6.1



#22
Acetophenone
Concen: 6.500 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.035 min
Lab File: BF140818.D
Acq: 10 Dec 2024 20:37

Tgt Ion:	105	Resp:	25906
Ion	Ratio	Lower	Upper
105	100		
71	21.6	6.2	9.2
51	9.1	29.0	43.6
120	0.0	17.4	26.0

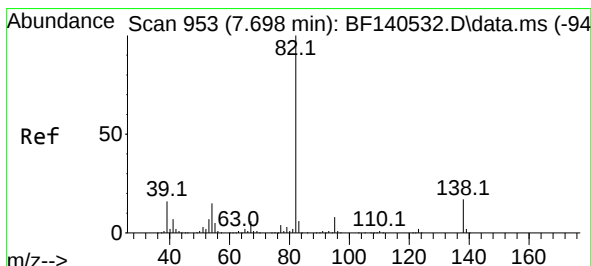
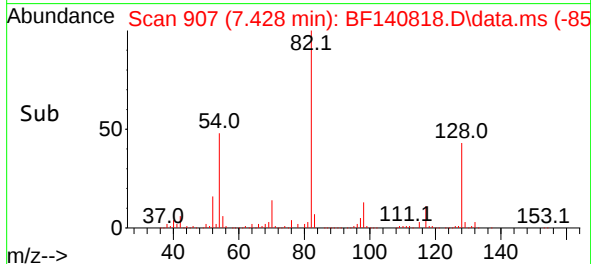
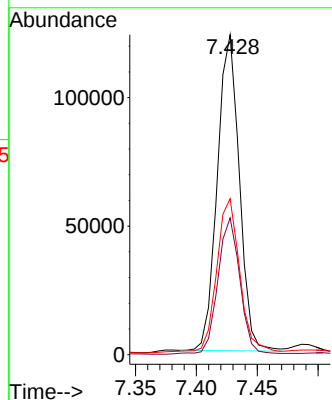
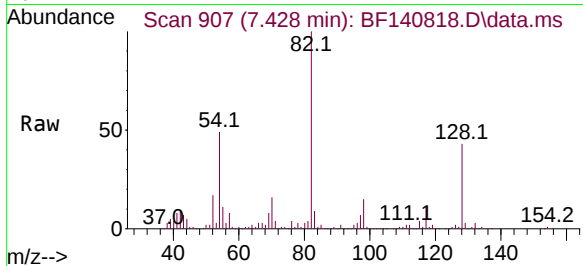




#23
Nitrobenzene-d5
Concen: 48.412 ng
RT: 7.428 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF140818.D
Acq: 10 Dec 2024 20:37

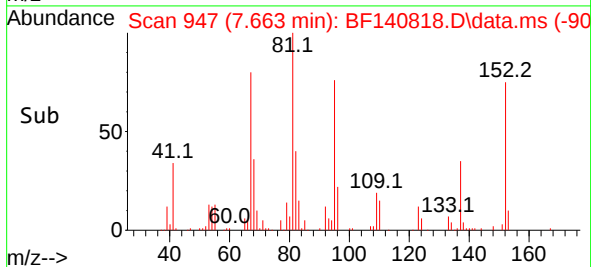
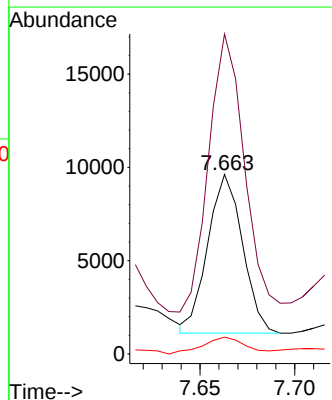
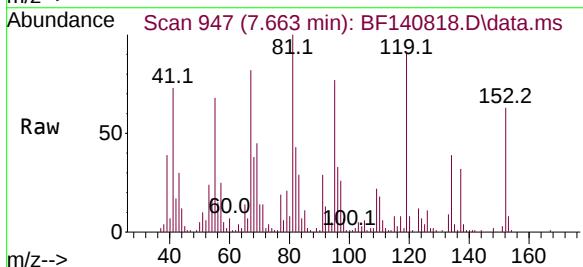
Instrument :
BNA_F
ClientSampleId :
TR-05-120924

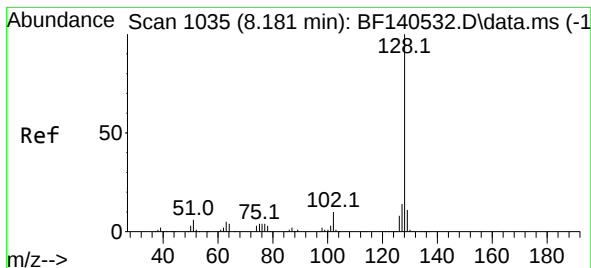
Tgt Ion: 82 Resp: 154724
Ion Ratio Lower Upper
82 100
128 42.8 33.0 49.4
54 48.8 39.5 59.3



#25
Isophorone
Concen: 2.045 ng
RT: 7.663 min Scan# 947
Delta R.T. -0.035 min
Lab File: BF140818.D
Acq: 10 Dec 2024 20:37

Tgt Ion: 82 Resp: 10900
Ion Ratio Lower Upper
82 100
95 178.3 6.4 9.6#
138 9.3 13.8 20.6#





#31

Naphthalene

Concen: 3.225 ng

RT: 8.163 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF140818.D

Acq: 10 Dec 2024 20:37

Instrument :

BNA_F

ClientSampleId :

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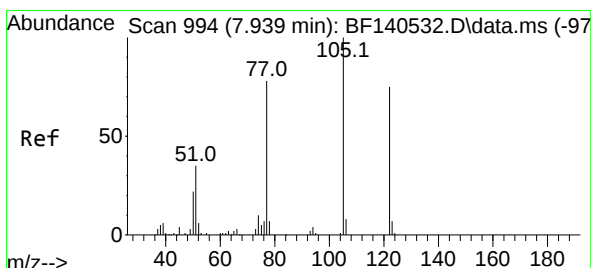
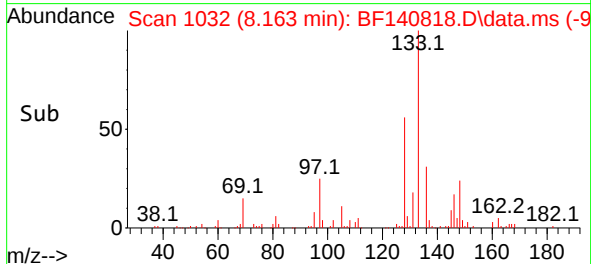
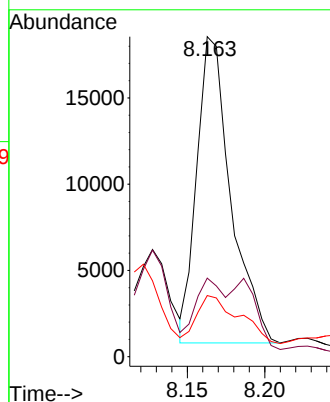
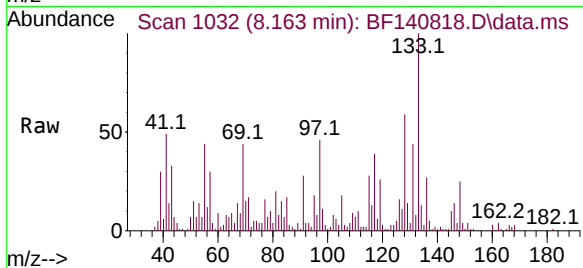
Tgt Ion:128 Resp: 27160

Ion Ratio Lower Upper

128 100

129 24.5 8.6 13.0#

127 19.1 10.8 16.2#



#32

Benzoic acid

Concen: 7.833 ng

RT: 7.922 min Scan# 991

Delta R.T. -0.017 min

Lab File: BF140818.D

Acq: 10 Dec 2024 20:37

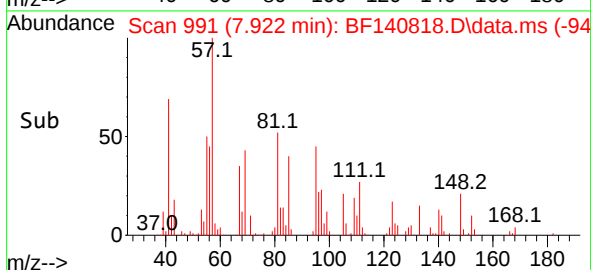
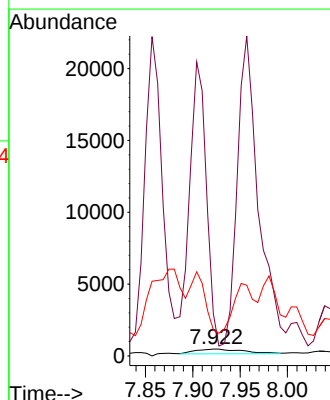
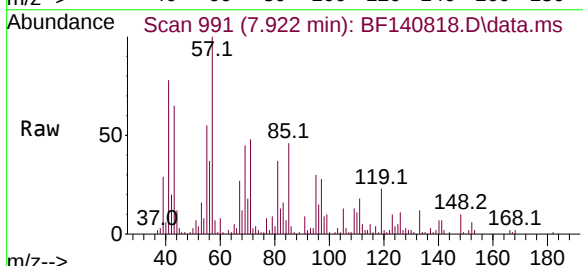
Tgt Ion:122 Resp: 1150

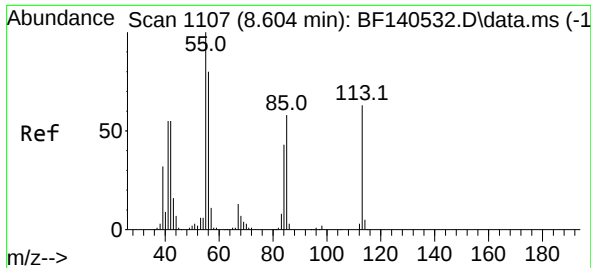
Ion Ratio Lower Upper

122 100

105 622.1 109.3 149.3#

77 383.6 82.3 122.3#

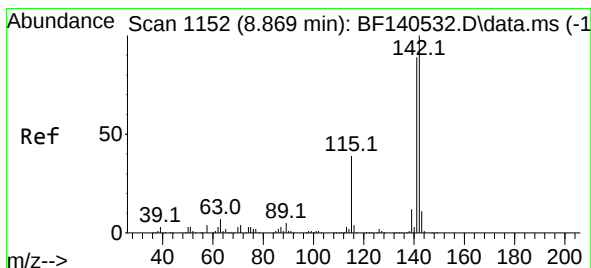
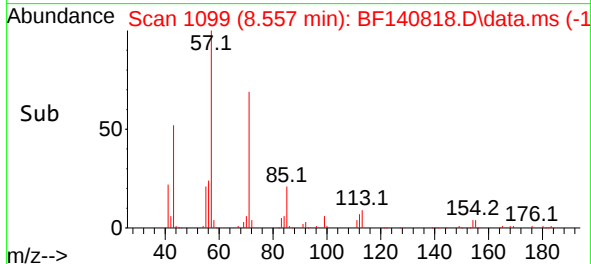
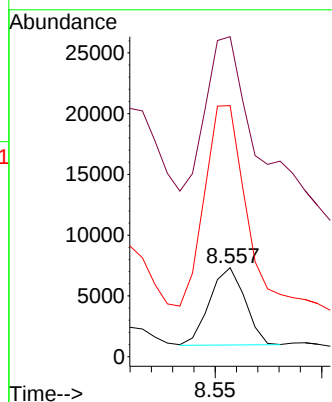
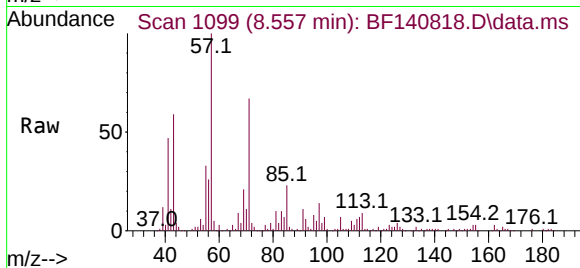




#35
Caprolactam
Concen: 10.231 ng
RT: 8.557 min Scan# 1099
Delta R.T. -0.047 min
Lab File: BF140818.D
Acq: 10 Dec 2024 20:37

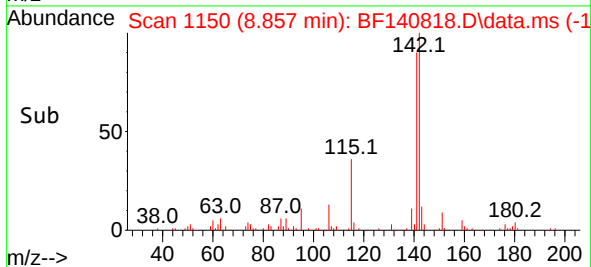
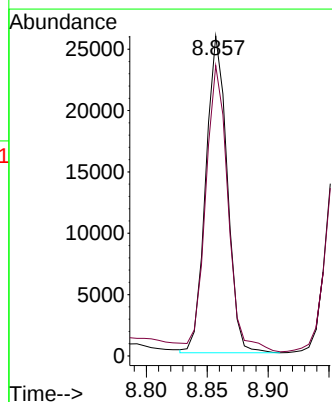
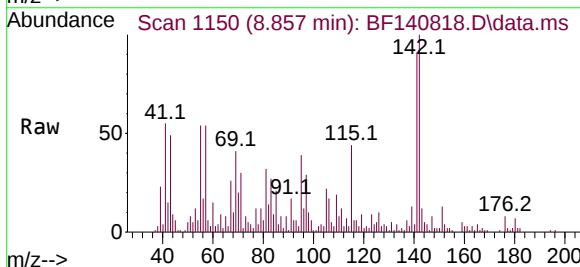
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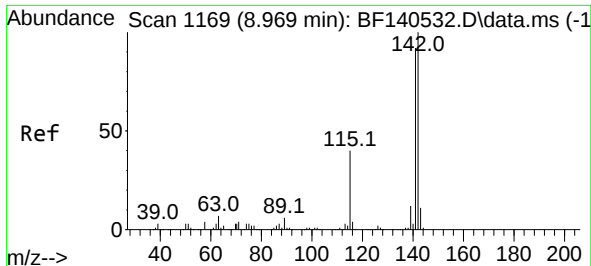
Tgt Ion:113 Resp: 7348
Ion Ratio Lower Upper
113 100
55 359.5 137.7 177.7#
56 282.0 106.4 146.4#



#37
2-Methylnaphthalene
Concen: 5.910 ng
RT: 8.857 min Scan# 1150
Delta R.T. -0.012 min
Lab File: BF140818.D
Acq: 10 Dec 2024 20:37

Tgt Ion:142 Resp: 31610
Ion Ratio Lower Upper
142 100
141 90.8 71.0 106.6

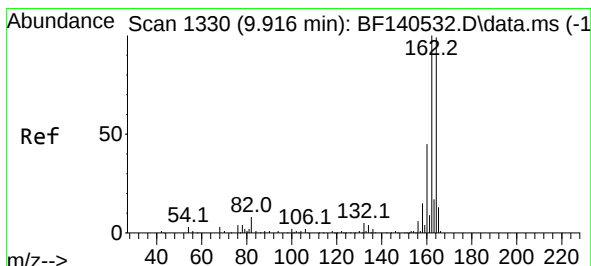
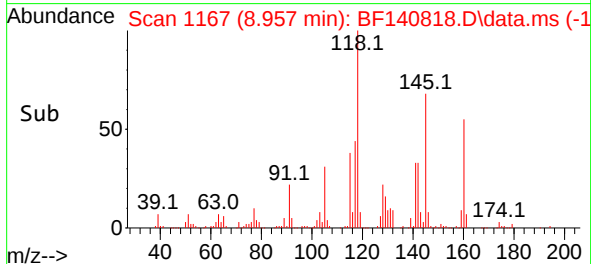
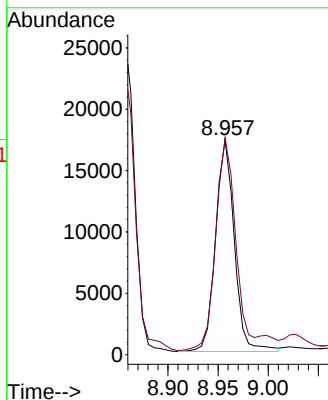
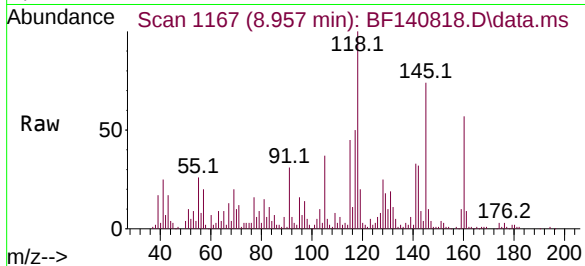




#38
1-Methylnaphthalene
Concen: 4.283 ng
RT: 8.957 min Scan# 1169
Delta R.T. -0.012 min
Lab File: BF140818.D
Acq: 10 Dec 2024 20:37

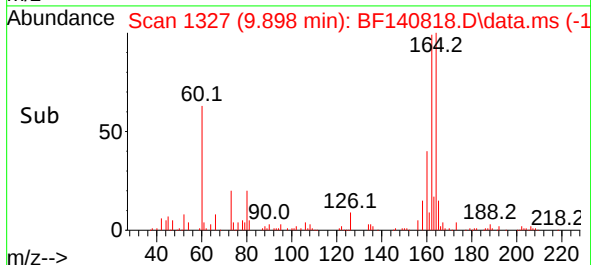
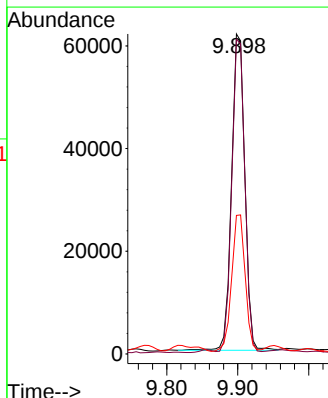
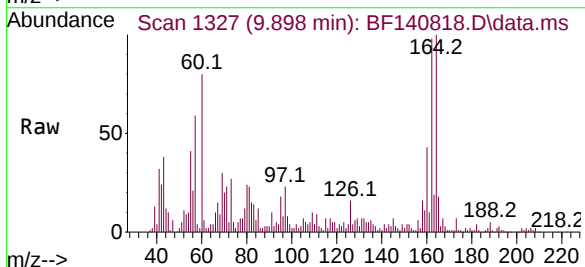
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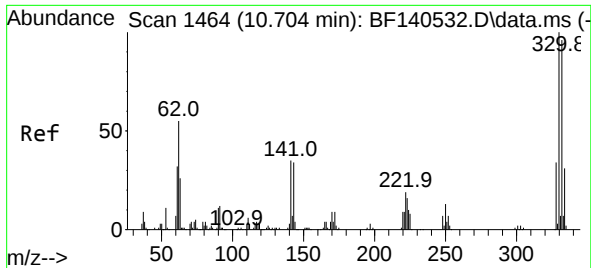
Tgt Ion:142 Resp: 22452
Ion Ratio Lower Upper
142 100
141 101.2 73.3 109.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.018 min
Lab File: BF140818.D
Acq: 10 Dec 2024 20:37

Tgt Ion:164 Resp: 80039
Ion Ratio Lower Upper
164 100
162 98.3 80.6 120.8
160 43.3 36.2 54.4

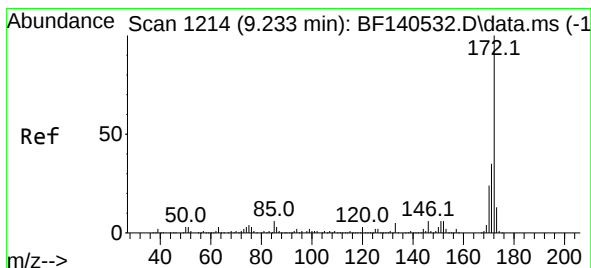
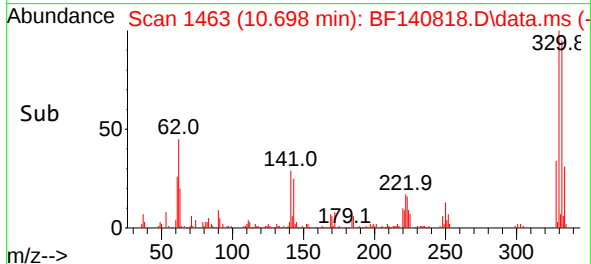
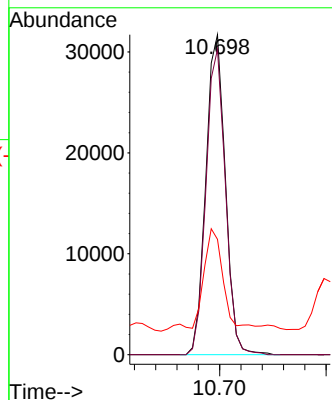
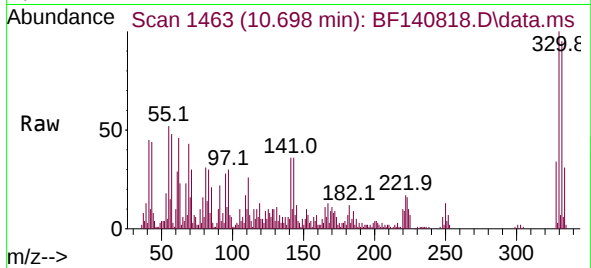




#42
2,4,6-Tribromophenol
Concen: 47.161 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140818.D
Acq: 10 Dec 2024 20:37

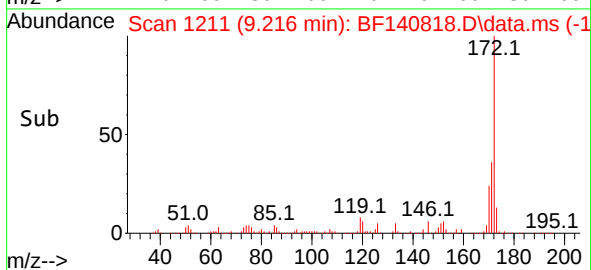
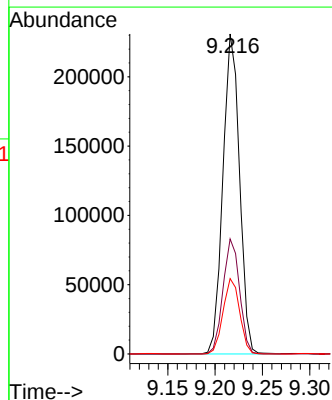
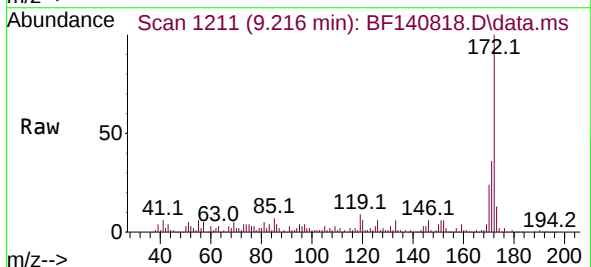
Instrument :
BNA_F
ClientSampleId :
TR-05-120924

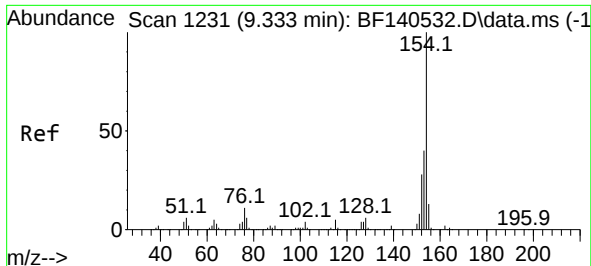
Tgt Ion:330 Resp: 40371
Ion Ratio Lower Upper
330 100
332 94.9 76.9 115.3
141 33.7 26.7 40.1



#45
2-Fluorobiphenyl
Concen: 52.612 ng
RT: 9.216 min Scan# 1211
Delta R.T. -0.018 min
Lab File: BF140818.D
Acq: 10 Dec 2024 20:37

Tgt Ion:172 Resp: 282627
Ion Ratio Lower Upper
172 100
171 35.9 28.4 42.6
170 23.6 19.0 28.6

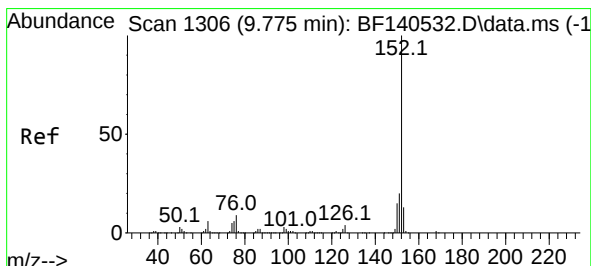
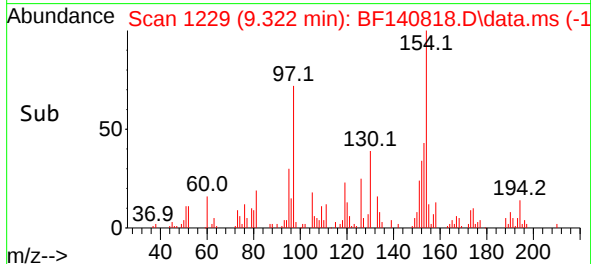
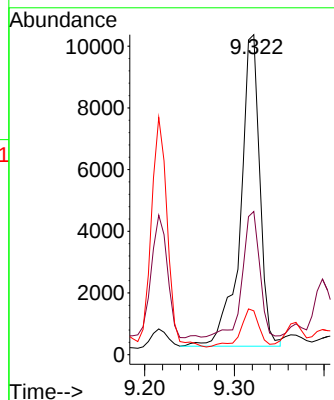
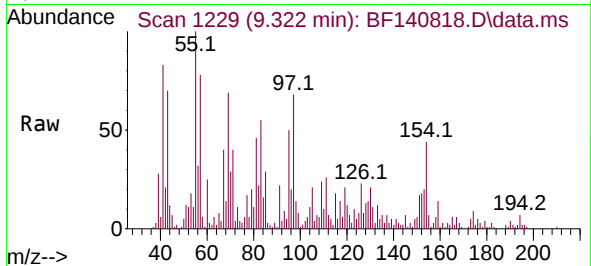




#46
1,1'-Biphenyl
Concen: 2.541 ng
RT: 9.322 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140818.D
Acq: 10 Dec 2024 20:37

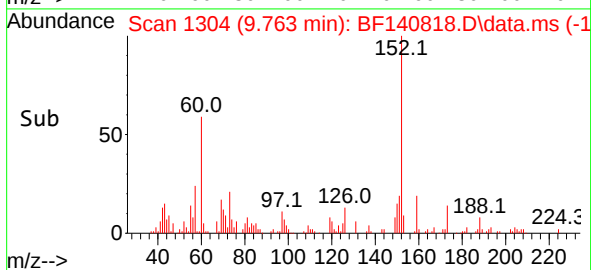
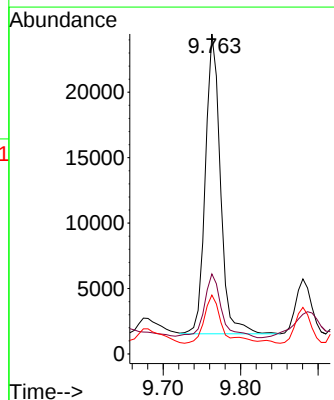
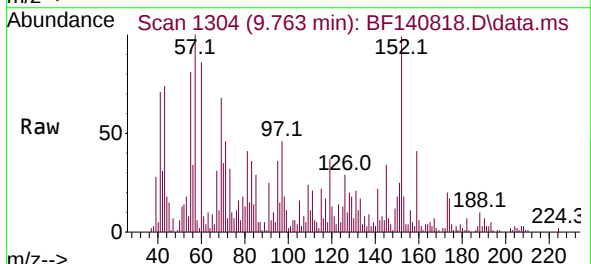
Instrument :
BNA_F
ClientSampleId :
TR-05-120924

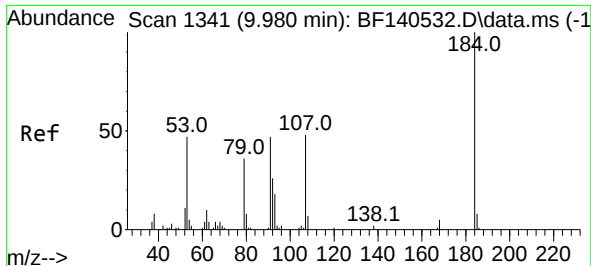
Tgt Ion:154 Resp: 15182
Ion Ratio Lower Upper
154 100
153 44.8 20.4 60.4
76 13.7 0.0 31.2



#49
Acenaphthylene
Concen: 4.516 ng
RT: 9.763 min Scan# 1304
Delta R.T. -0.012 min
Lab File: BF140818.D
Acq: 10 Dec 2024 20:37

Tgt Ion:152 Resp: 30898
Ion Ratio Lower Upper
152 100
151 25.0 15.9 23.9#
153 18.4 10.6 16.0#

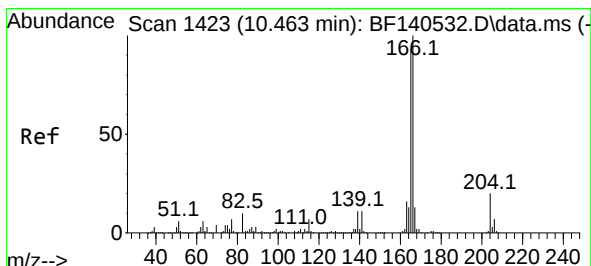
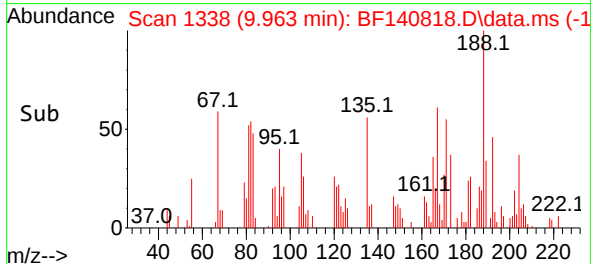
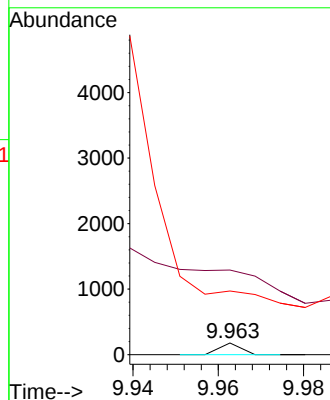
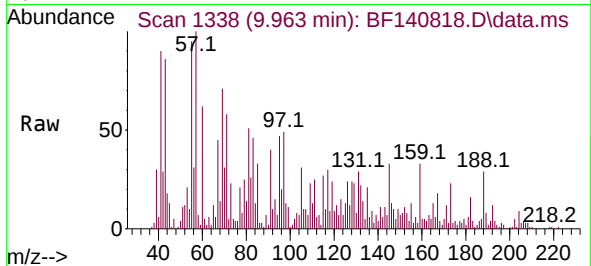




#54
2,4-Dinitrophenol
Concen: 7.915 ng
RT: 9.963 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF140818.D
Acq: 10 Dec 2024 20:37

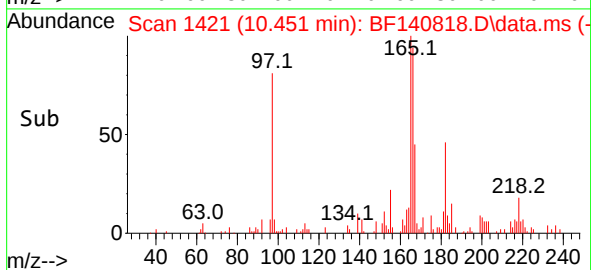
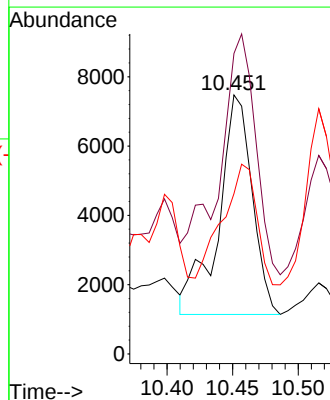
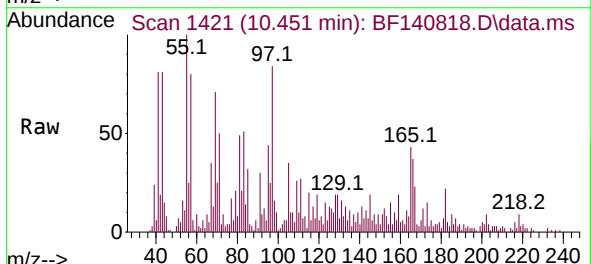
Instrument :
BNA_F
ClientSampleId :
TR-05-120924

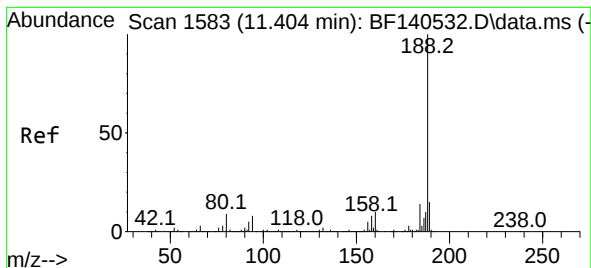
Tgt Ion:184 Resp: 63
Ion Ratio Lower Upper
184 100
63 725.8 54.1 81.1#
154 545.5 57.4 86.0#



#58
Fluorene
Concen: 2.124 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.012 min
Lab File: BF140818.D
Acq: 10 Dec 2024 20:37

Tgt Ion:166 Resp: 11304
Ion Ratio Lower Upper
166 100
165 116.0 74.6 111.8#
167 61.9 10.6 16.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF140818.D

Acq: 10 Dec 2024 20:37

Instrument :

BNA_F

ClientSampleId :

TR-05-120924

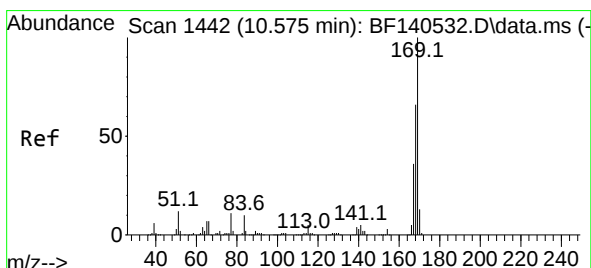
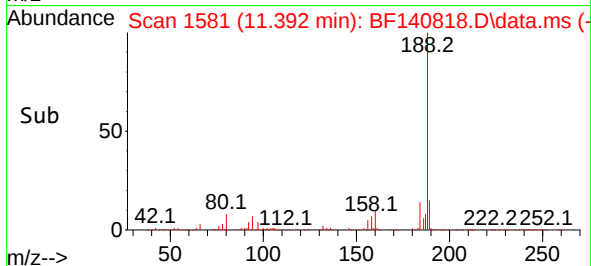
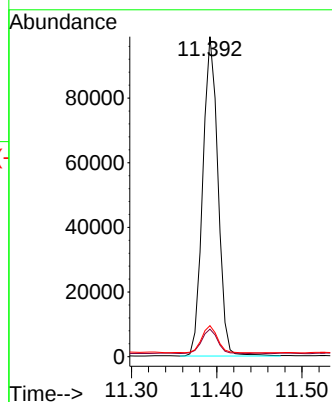
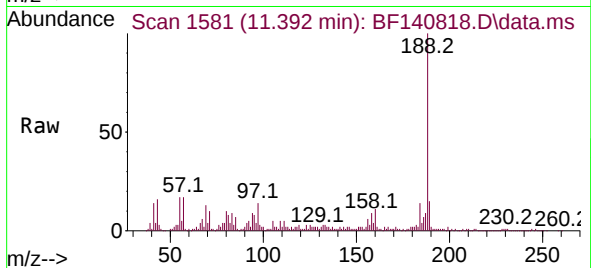
Tgt Ion:188 Resp: 122280

Ion Ratio Lower Upper

188 100

94 8.6 6.4 9.6

80 9.7 6.9 10.3



#66

n-Nitrosodiphenylamine

Concen: 3.606 ng

RT: 10.545 min Scan# 1437

Delta R.T. -0.030 min

Lab File: BF140818.D

Acq: 10 Dec 2024 20:37

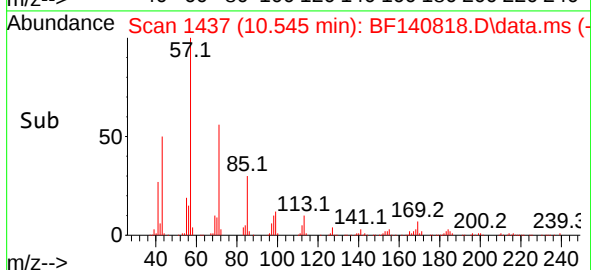
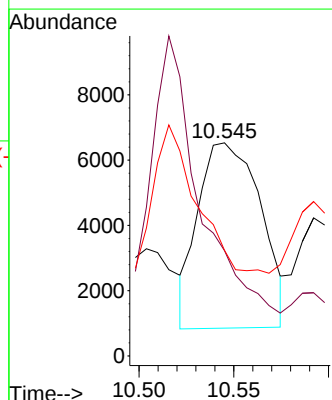
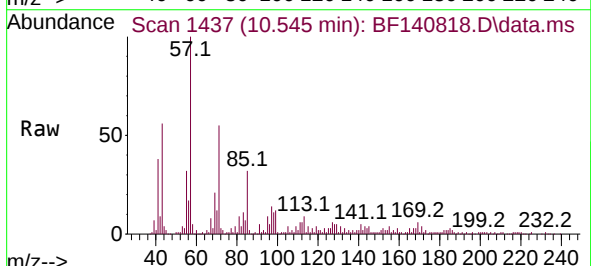
Tgt Ion:169 Resp: 13041

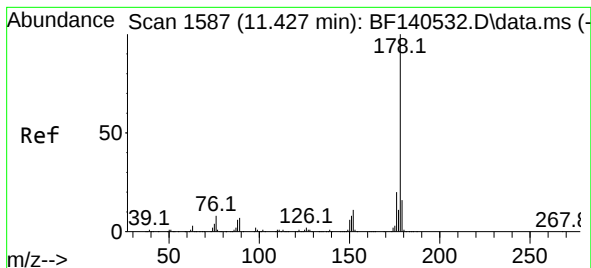
Ion Ratio Lower Upper

169 100

168 49.4 53.2 79.8#

167 49.6 29.0 43.6#





#71

Phenanthrene

Concen: 9.013 ng

RT: 11.416 min Scan# 1585

Delta R.T. -0.012 min

Lab File: BF140818.D

Acq: 10 Dec 2024 20:37

Instrument :

BNA_F

ClientSampleId :

TR-05-120924

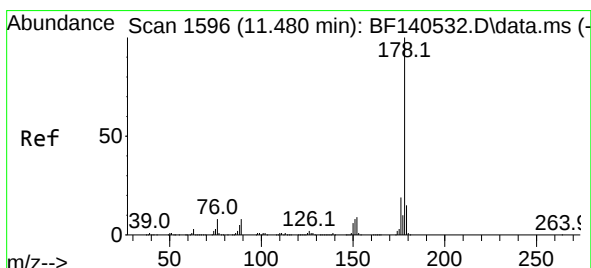
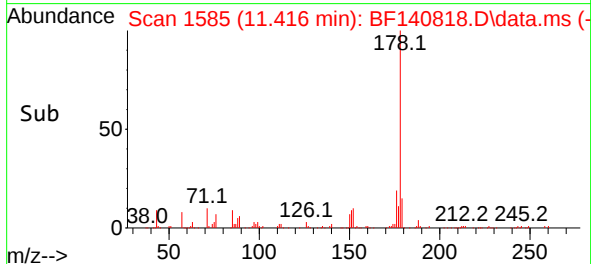
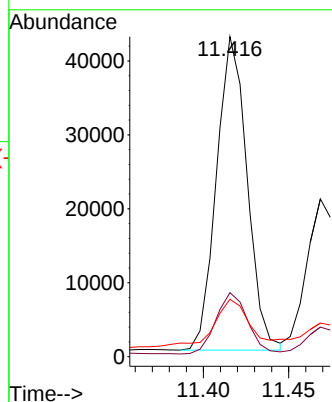
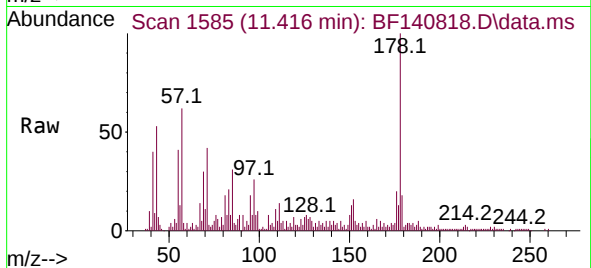
Tgt Ion:178 Resp: 52975

Ion Ratio Lower Upper

178 100

176 20.0 15.8 23.6

179 18.0 12.4 18.6



#72

Anthracene

Concen: 9.214 ng

RT: 11.416 min Scan# 1585

Delta R.T. -0.065 min

Lab File: BF140818.D

Acq: 10 Dec 2024 20:37

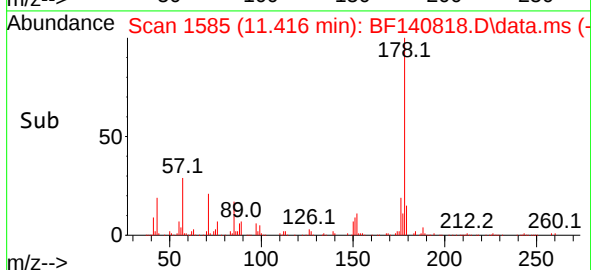
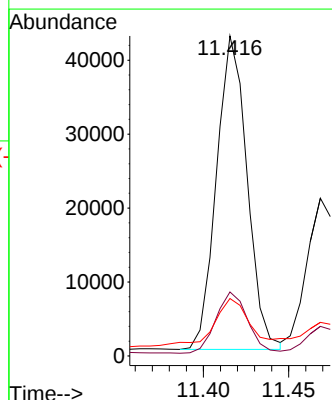
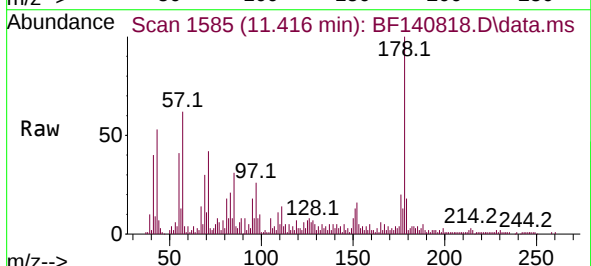
Tgt Ion:178 Resp: 52975

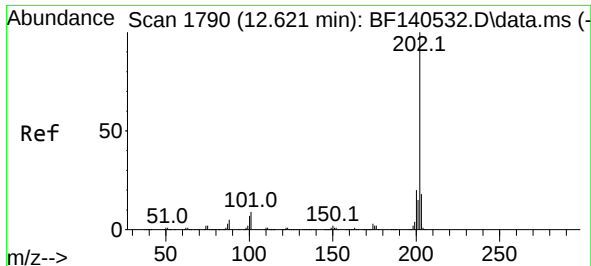
Ion Ratio Lower Upper

178 100

176 20.0 15.0 22.4

179 18.0 12.2 18.4

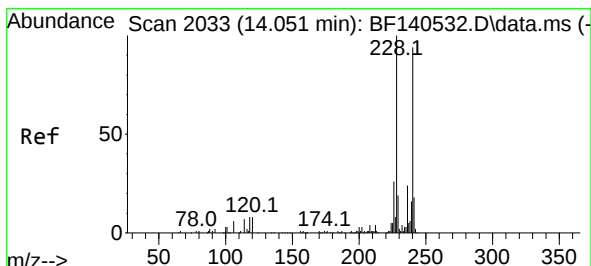
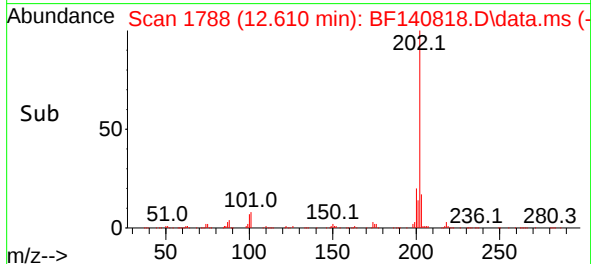
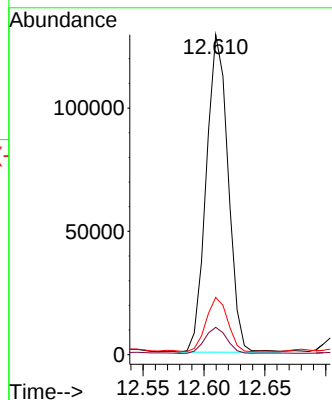
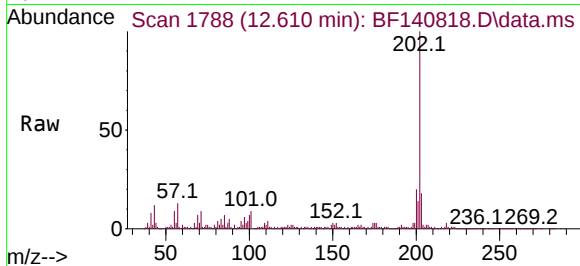




#75
Fluoranthene
Concen: 25.200 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.012 min
Lab File: BF140818.D
Acq: 10 Dec 2024 20:37

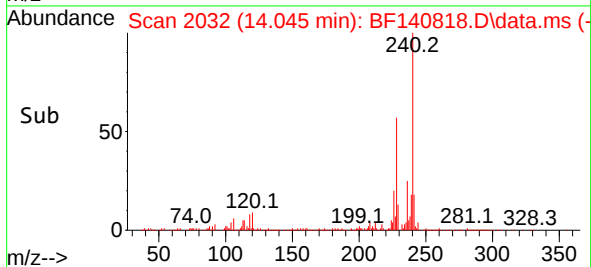
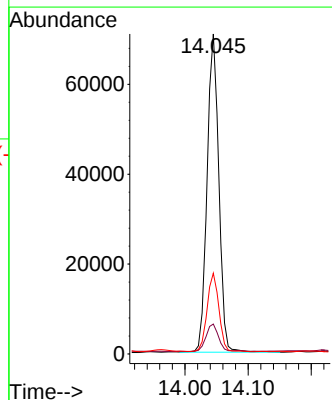
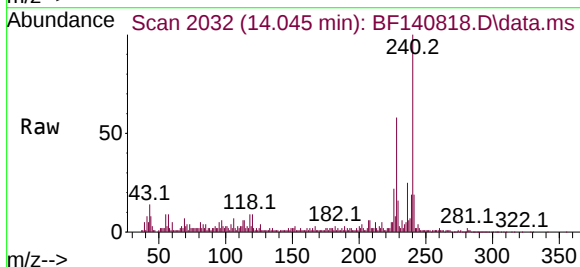
Instrument :
BNA_F
ClientSampleId :
TR-05-120924

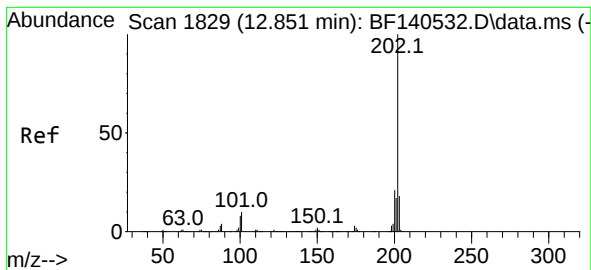
Tgt Ion:202 Resp: 160825
Ion Ratio Lower Upper
202 100
101 8.5 0.0 28.9
203 17.9 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140818.D
Acq: 10 Dec 2024 20:37

Tgt Ion:240 Resp: 91110
Ion Ratio Lower Upper
240 100
120 9.4 7.3 10.9
236 25.2 20.6 31.0





#78

Pyrene

Concen: 22.389 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.012 min

Lab File: BF140818.D

Acq: 10 Dec 2024 20:37

Instrument :

BNA_F

ClientSampleId :

TR-05-120924

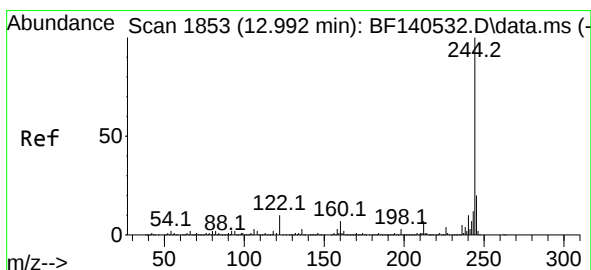
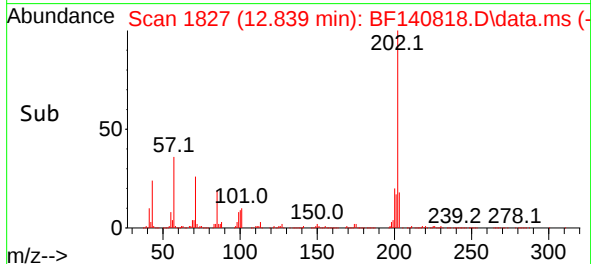
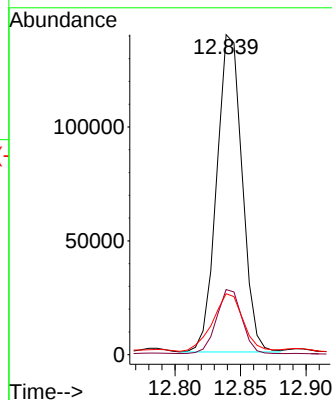
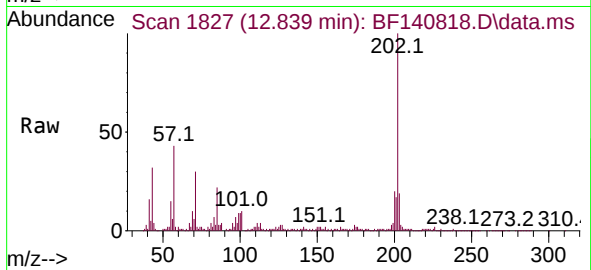
Tgt Ion:202 Resp: 188607

Ion Ratio Lower Upper

202 100

200 20.4 16.5 24.7

203 19.1 14.2 21.4



#79

Terphenyl-d14

Concen: 40.424 ng

RT: 12.974 min Scan# 1850

Delta R.T. -0.018 min

Lab File: BF140818.D

Acq: 10 Dec 2024 20:37

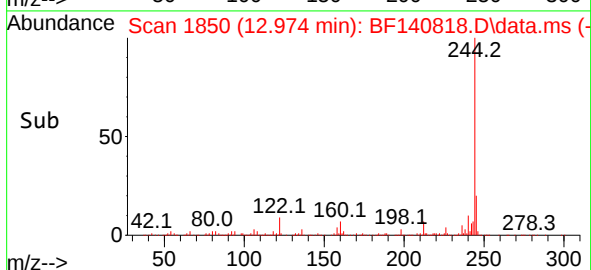
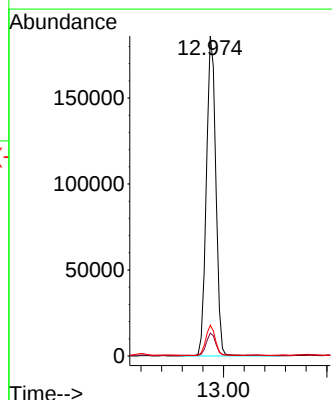
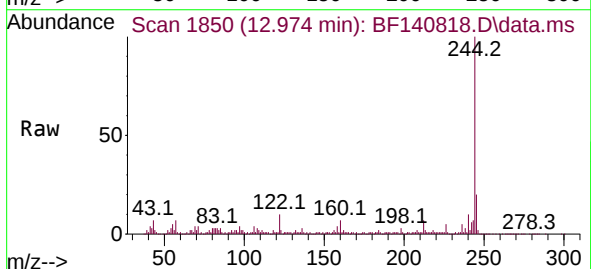
Tgt Ion:244 Resp: 236528

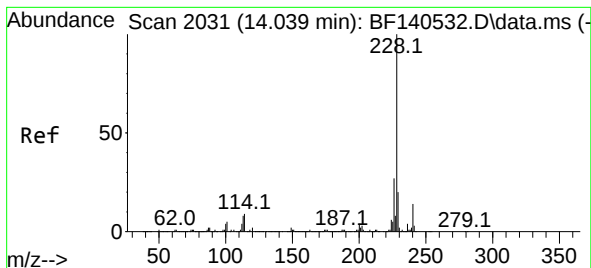
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

122 9.6 8.0 12.0





#81

Benzo(a)anthracene

Concen: 17.806 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF140818.D

Acq: 10 Dec 2024 20:37

Instrument :

BNA_F

ClientSampleId :

TR-05-120924

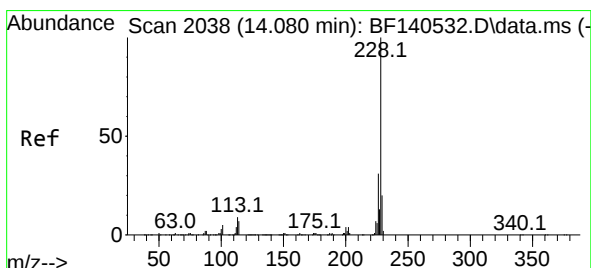
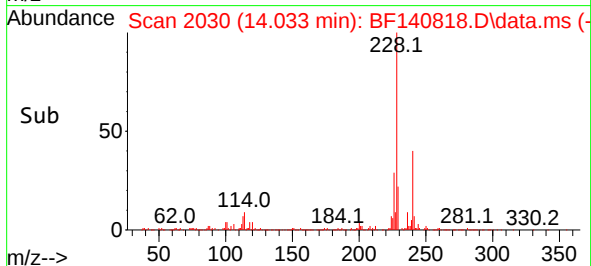
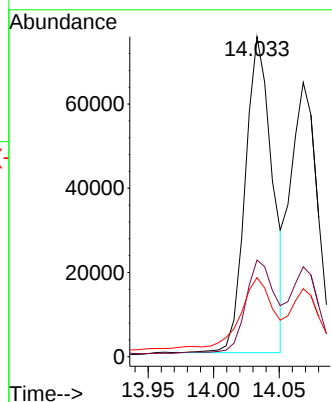
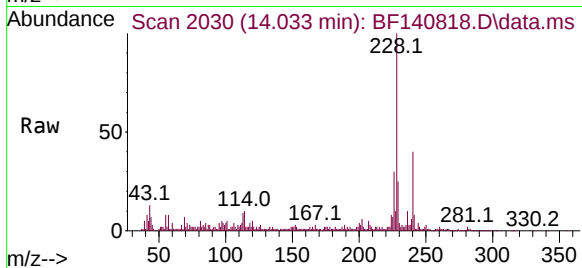
Tgt Ion:228 Resp: 107391

Ion Ratio Lower Upper

228 100

226 30.2 21.8 32.8

229 24.7 15.8 23.6#



#83

Chrysene

Concen: 16.423 ng

RT: 14.068 min Scan# 2036

Delta R.T. -0.012 min

Lab File: BF140818.D

Acq: 10 Dec 2024 20:37

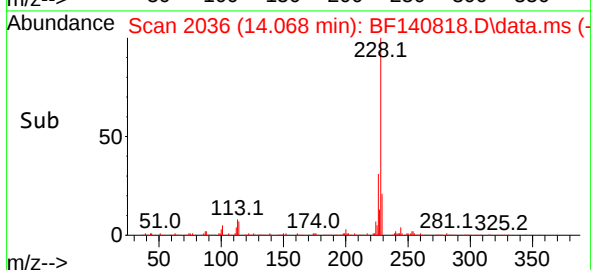
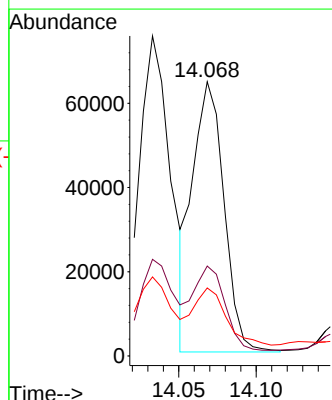
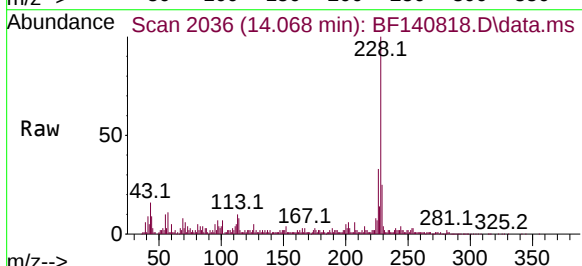
Tgt Ion:228 Resp: 90567

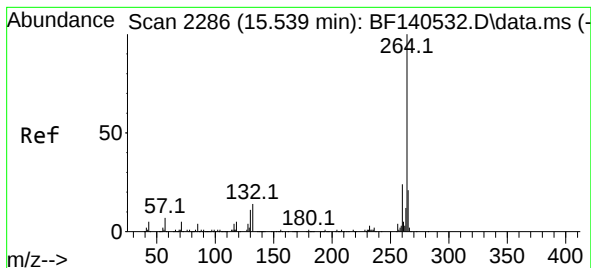
Ion Ratio Lower Upper

228 100

226 32.8 24.4 36.6

229 24.8 15.8 23.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF140818.D

Acq: 10 Dec 2024 20:37

Instrument :

BNA_F

ClientSampleId :

TR-05-120924

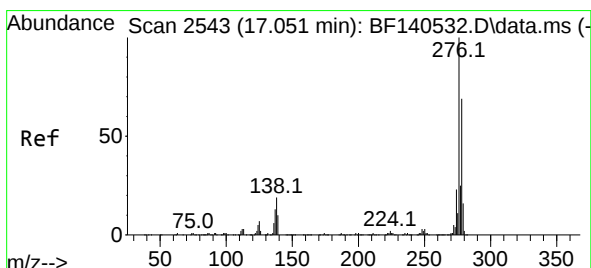
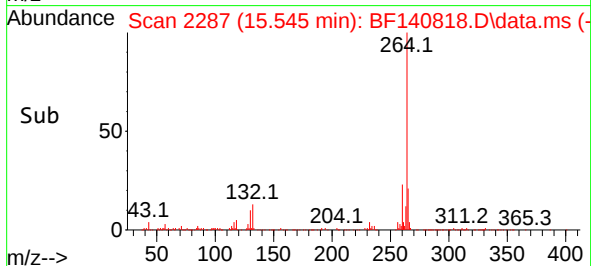
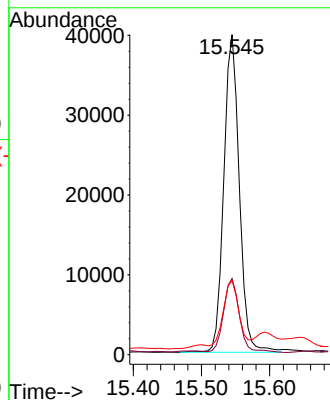
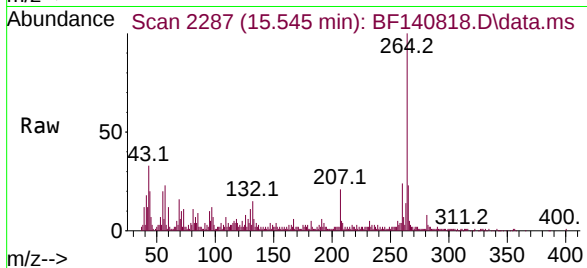
Tgt Ion:264 Resp: 63082

Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.6

265 23.2 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.550 ng

RT: 17.062 min Scan# 2545

Delta R.T. 0.012 min

Lab File: BF140818.D

Acq: 10 Dec 2024 20:37

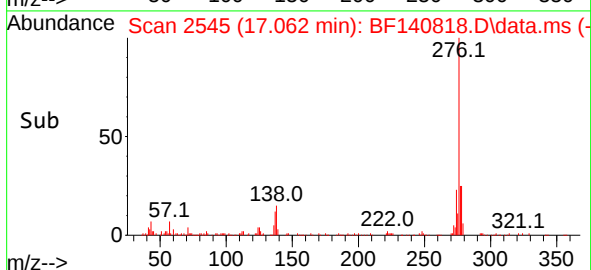
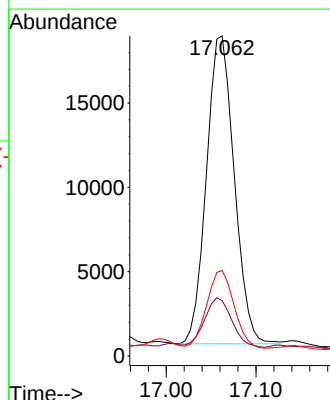
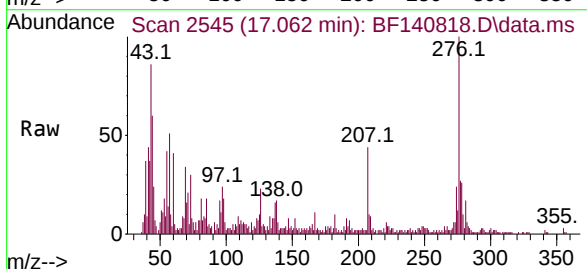
Tgt Ion:276 Resp: 39258

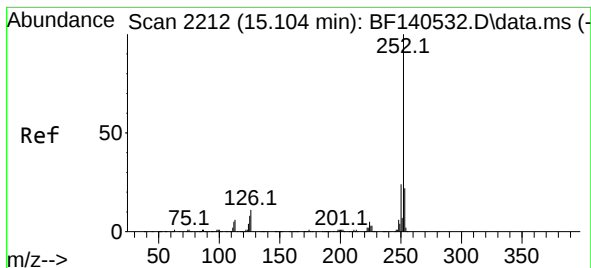
Ion Ratio Lower Upper

276 100

138 15.8 15.5 23.3

277 25.1 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 32.521 ng

RT: 15.109 min Scan# 2213

Delta R.T. 0.006 min

Lab File: BF140818.D

Acq: 10 Dec 2024 20:37

Instrument :

BNA_F

ClientSampleId :

TR-05-120924

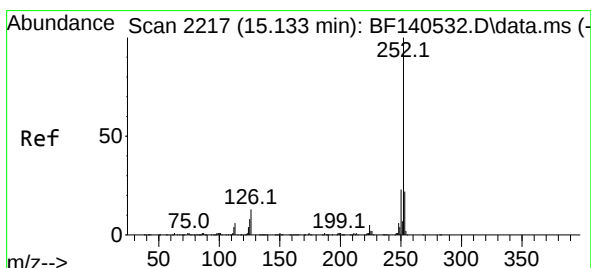
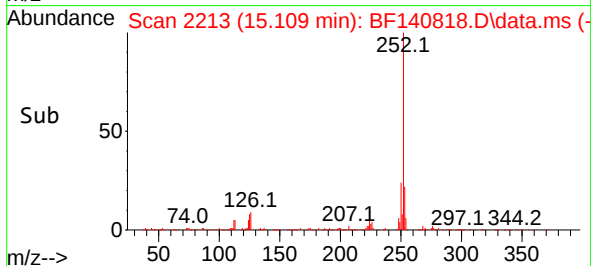
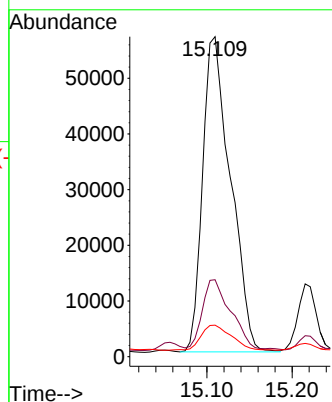
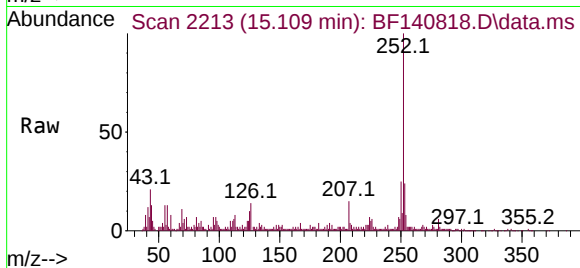
Tgt Ion:252 Resp: 128857

Ion Ratio Lower Upper

252 100

253 24.0 17.2 25.8

125 9.8 6.7 10.1



#89

Benzo(k)fluoranthene

Concen: 37.163 ng

RT: 15.109 min Scan# 2213

Delta R.T. -0.024 min

Lab File: BF140818.D

Acq: 10 Dec 2024 20:37

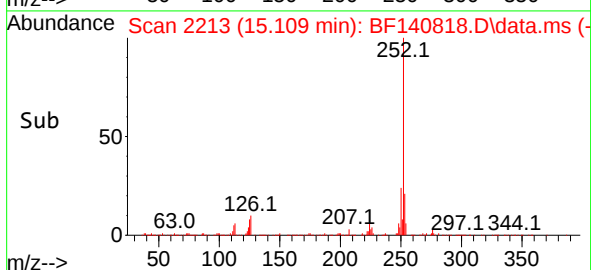
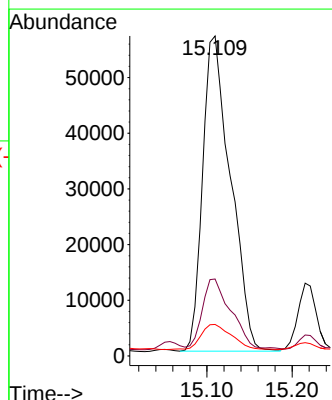
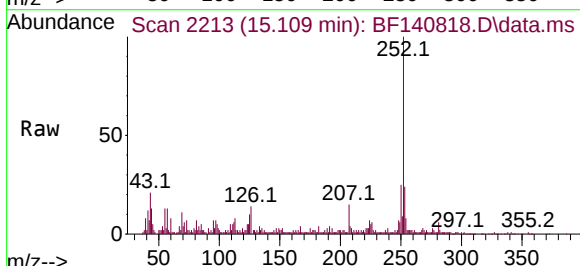
Tgt Ion:252 Resp: 128857

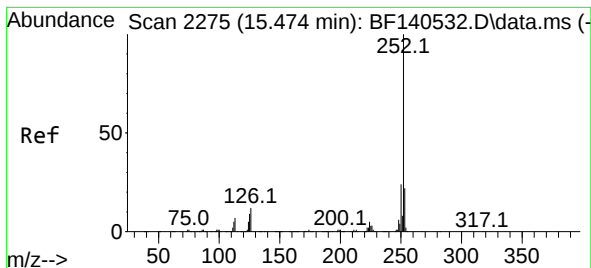
Ion Ratio Lower Upper

252 100

253 24.0 17.5 26.3

125 9.8 6.5 9.7#





#90

Benzo(a)pyrene

Concen: 21.590 ng

RT: 15.480 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF140818.D

Acq: 10 Dec 2024 20:37

Instrument :

BNA_F

ClientSampleId :

TR-05-120924

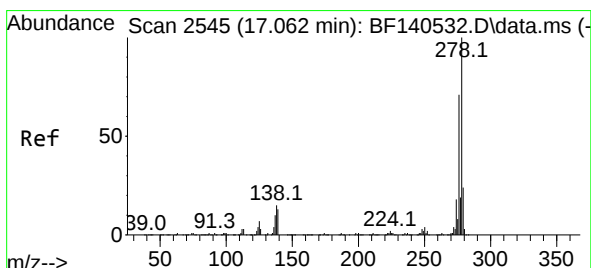
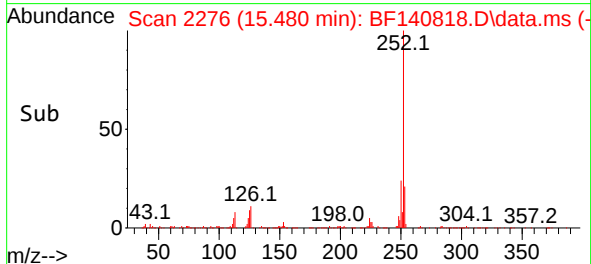
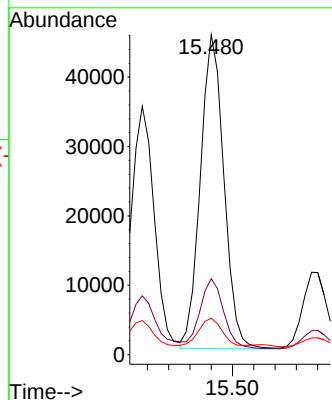
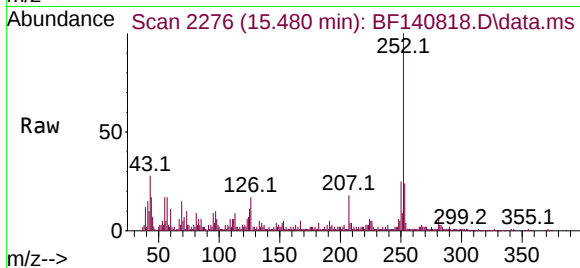
Tgt Ion:252 Resp: 69554

Ion Ratio Lower Upper

252 100

253 23.8 17.3 25.9

125 11.4 7.0 10.6#



#91

Dibenzo(a,h)anthracene

Concen: 3.445 ng

RT: 17.056 min Scan# 2544

Delta R.T. -0.006 min

Lab File: BF140818.D

Acq: 10 Dec 2024 20:37

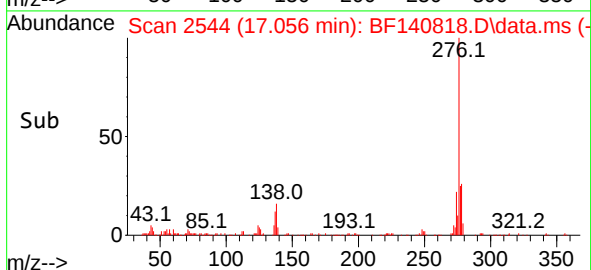
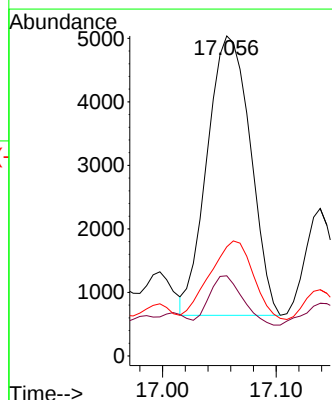
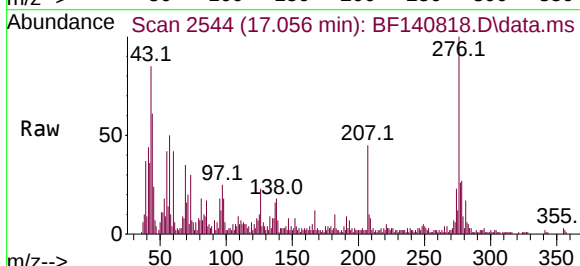
Tgt Ion:278 Resp: 11600

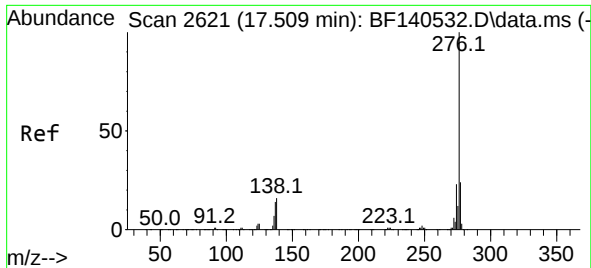
Ion Ratio Lower Upper

278 100

139 25.0 10.2 15.4#

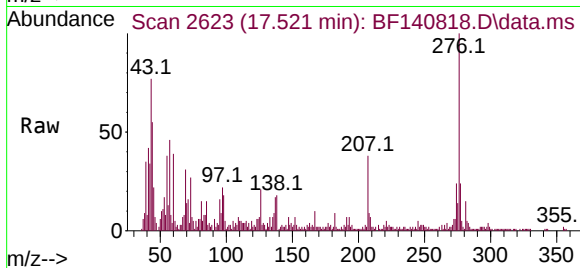
279 34.1 18.9 28.3#





#92
 Benzo(g,h,i)perylene
 Concen: 14.889 ng
 RT: 17.521 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: BF140818.D
 Acq: 10 Dec 2024 20:37

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-120924



Tgt Ion:	276	Resp:	51153
Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.9	28.3
138	18.4	13.2	19.8

