

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)

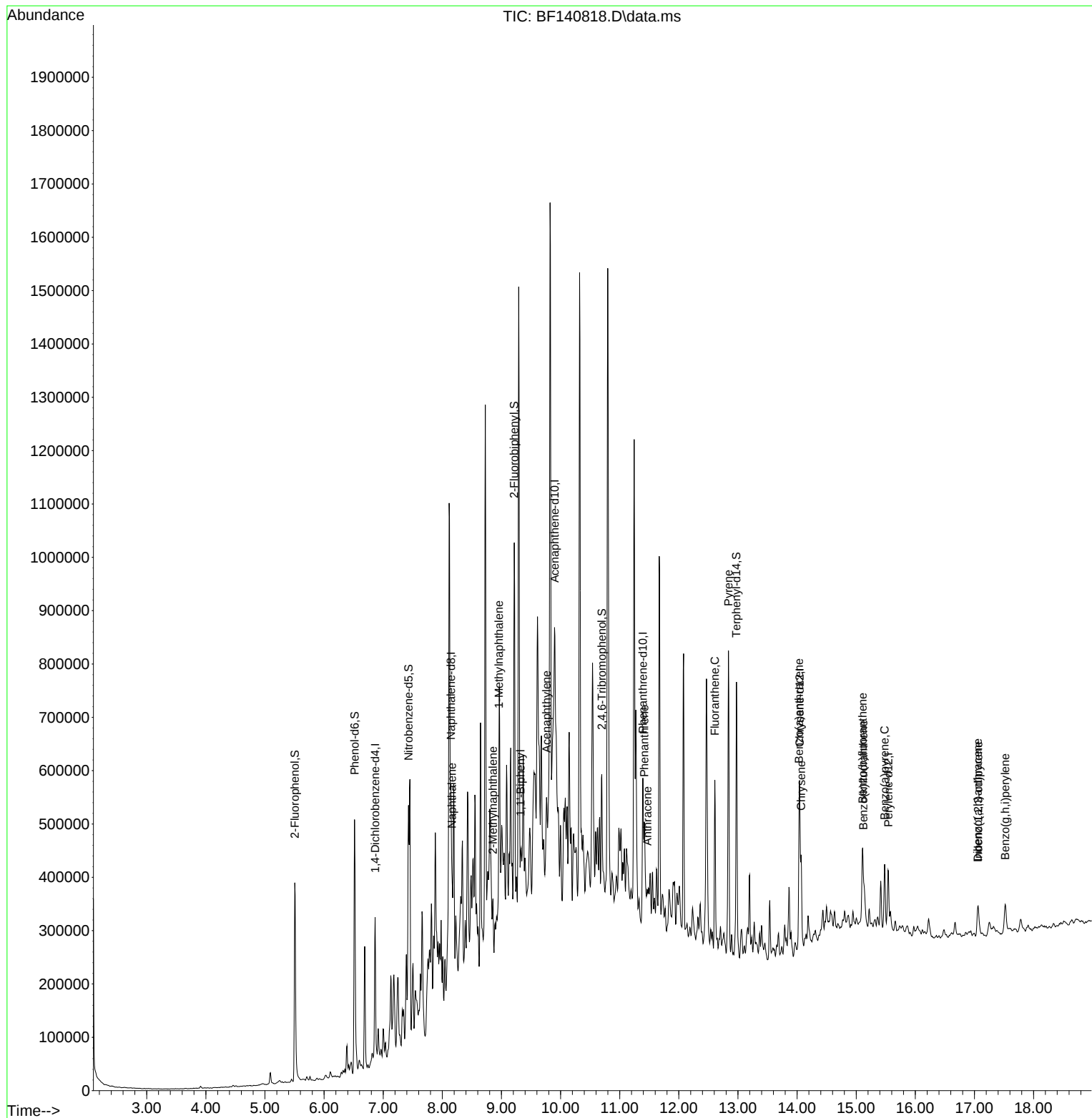
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	48374	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	163476	20.000	ng	#-0.01
39) Acenaphthene-d10	9.898	164	80039	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	122280	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	91110	20.000	ng	0.00
86) Perylene-d12	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
31) Naphthalene	8.163	128	27160	3.225	ng	# 76
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
71) Phenanthrene	11.416	178	52975	9.013	ng	97
72) Anthracene	11.469	178	28021m	4.873	ng	
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	96323m	24.310	ng	
89) Benzo(k)fluoranthene	15.121	252	34160m	9.852	ng	
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 Time: Dec 11 00:35:34 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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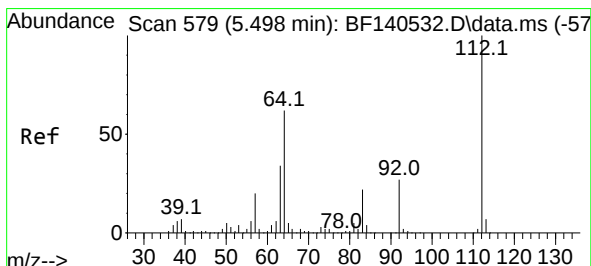
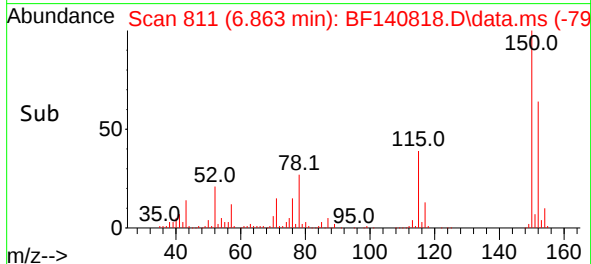
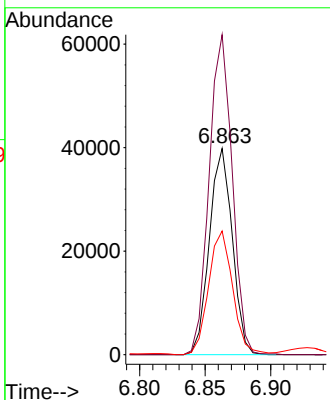
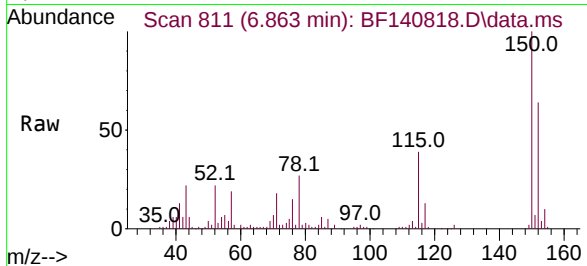




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF140818.D
Acq: 10 Dec 2024 20:37

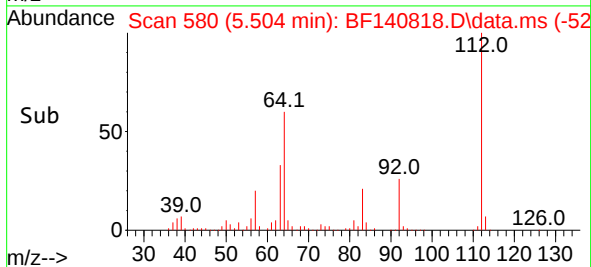
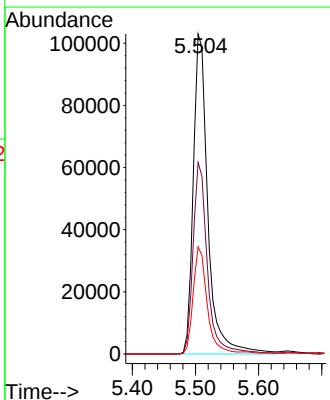
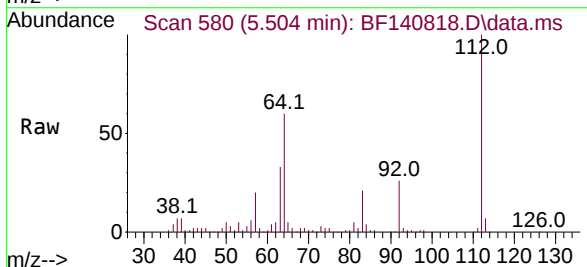
Instrument :
BNA_F
ClientSampleId :
TR-05-120924

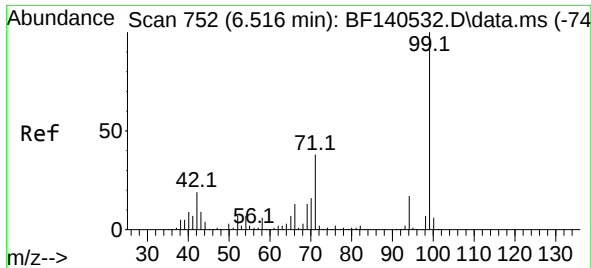
Tgt Ion:152 Resp: 48374
Ion Ratio Lower Upper
152 100
150 155.1 128.5 192.7
115 59.9 50.2 75.4



#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

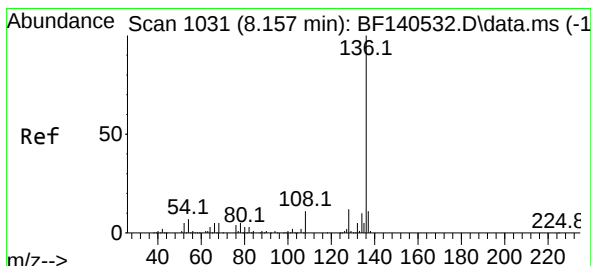
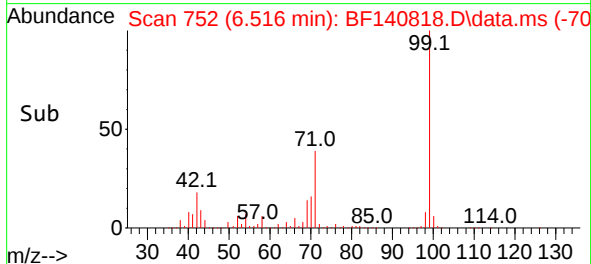
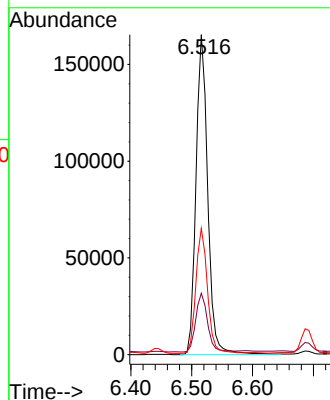
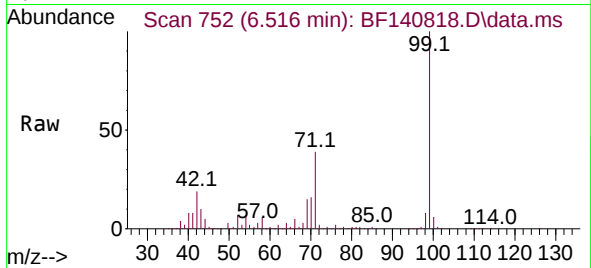




#7
Phenol-d6
Concen: 59.194 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF140818.D
Acq: 10 Dec 2024 20:37

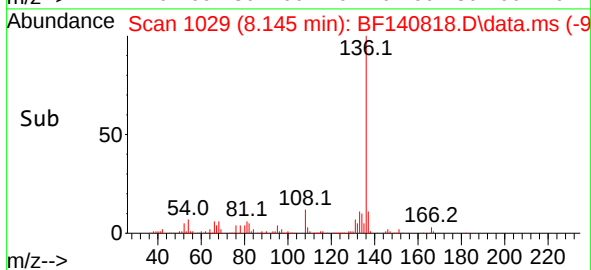
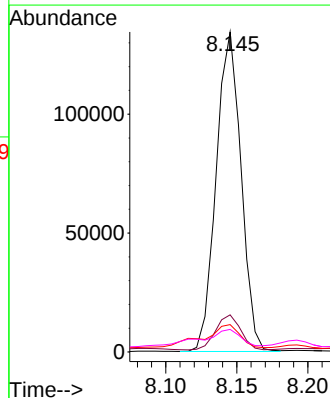
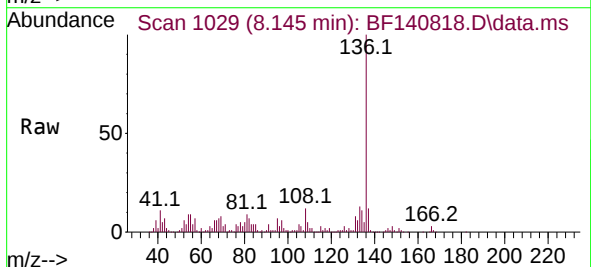
Instrument :
BNA_F
ClientSampleId :
TR-05-120924

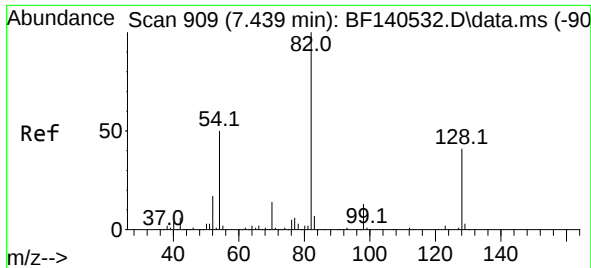
Tgt Ion: 99 Resp: 221868
Ion Ratio Lower Upper
99 100
42 19.2 15.4 23.0
71 39.5 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF140818.D
Acq: 10 Dec 2024 20:37

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#

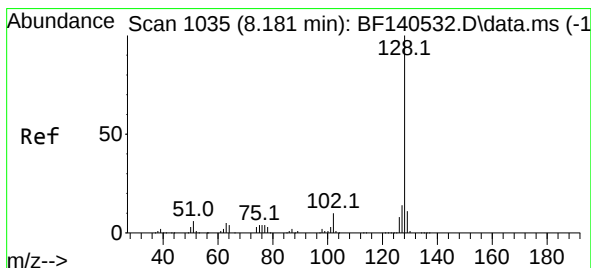
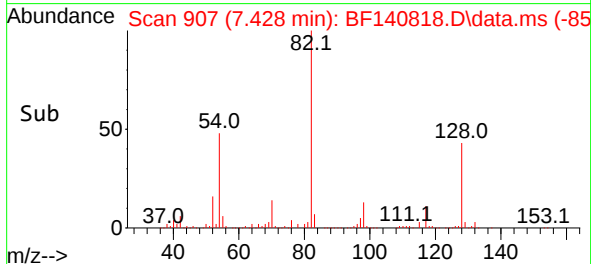
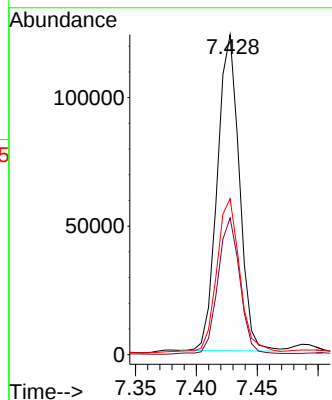
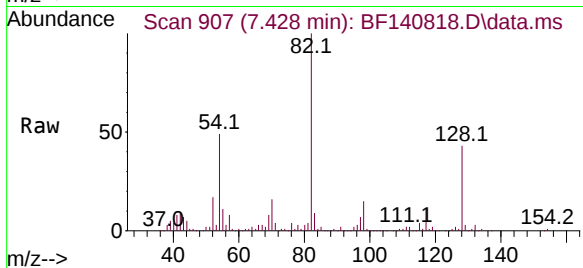




#23
Nitrobenzene-d5
Concen: 48.412 ng
RT: 7.428 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF140818.D
Acq: 10 Dec 2024 20:37

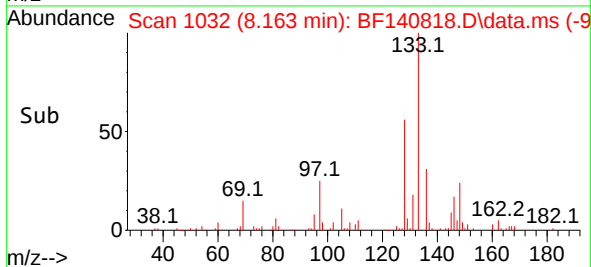
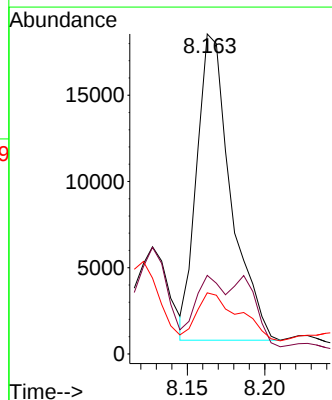
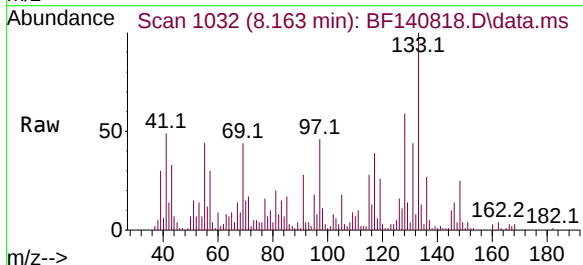
Instrument :
BNA_F
ClientSampleId :
TR-05-120924

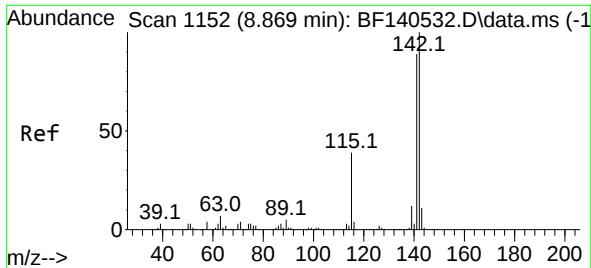
Tgt Ion: 82 Resp: 154724
Ion Ratio Lower Upper
82 100
128 42.8 33.0 49.4
54 48.8 39.5 59.3



#31
Naphthalene
Concen: 3.225 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.018 min
Lab File: BF140818.D
Acq: 10 Dec 2024 20:37

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#





#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

Instrument :

BNA_F

ClientSampleId :

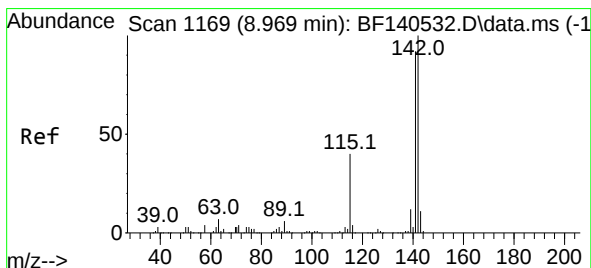
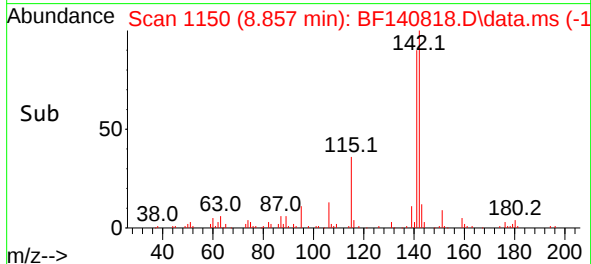
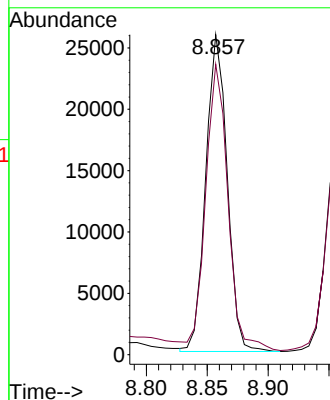
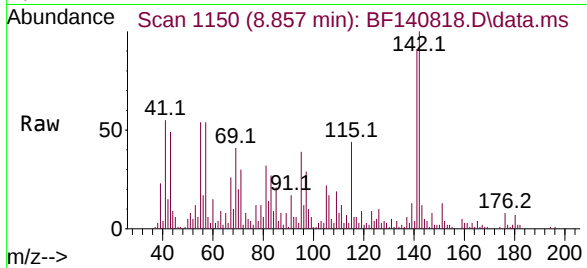
TR-05-120924

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# 1167

Delta R.T. -0.012 min

Lab File: BF140818.D

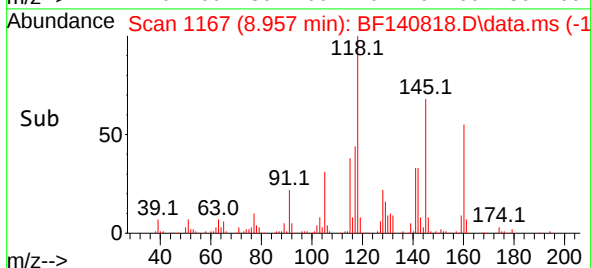
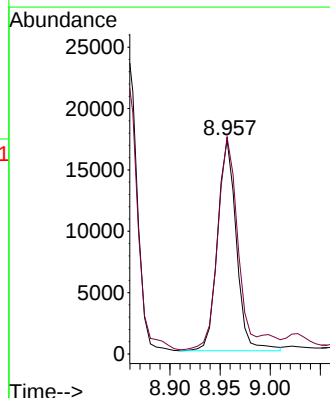
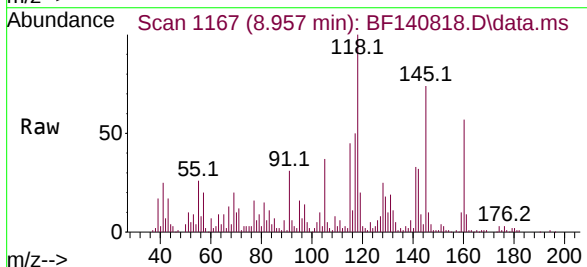
Acq: 10 Dec 2024 20:37

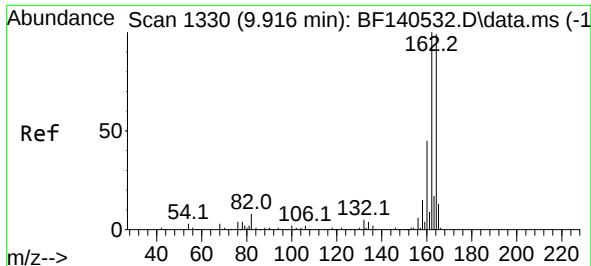
Tgt Ion:142 Resp: 22452

Ion Ratio Lower Upper

142 100

141 101.2 73.3 109.9

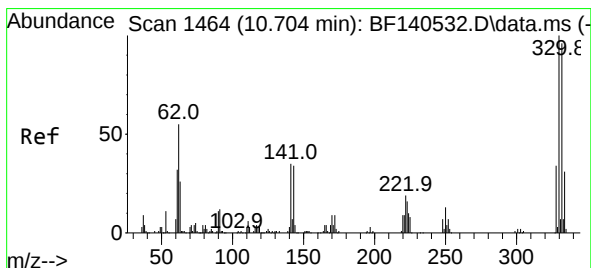
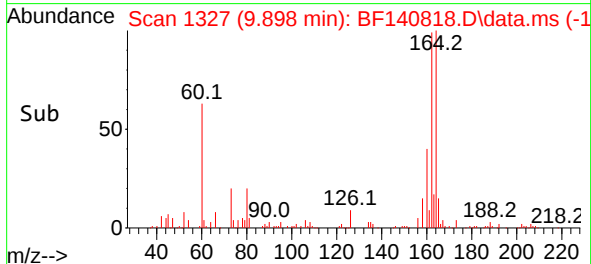
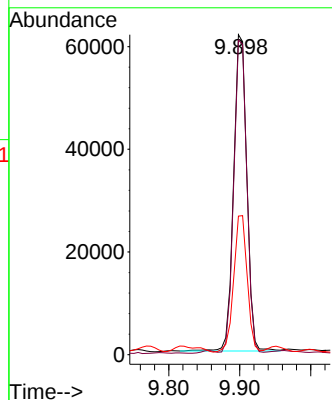
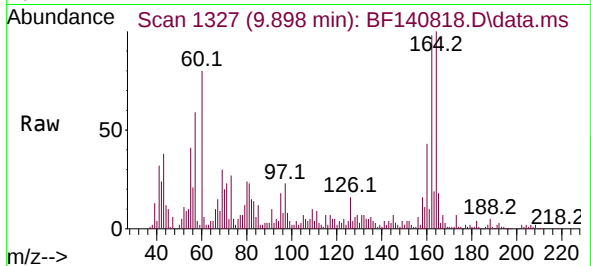




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF140818.D
Acq: 10 Dec 2024 20:37

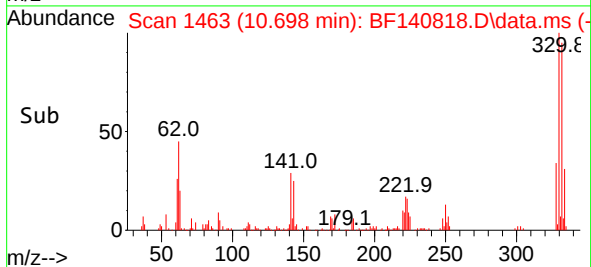
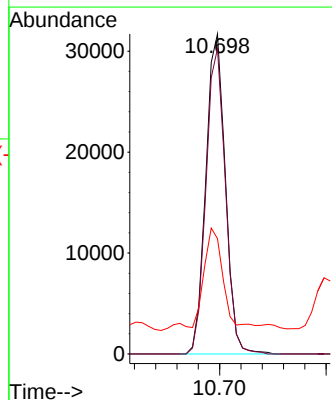
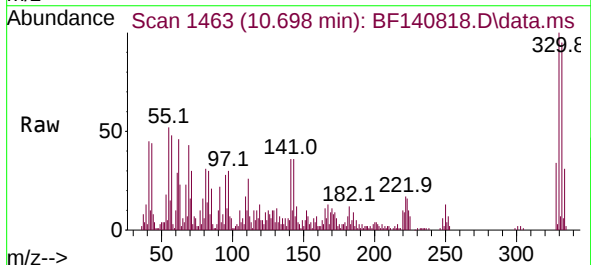
Instrument :
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TR-05-120924

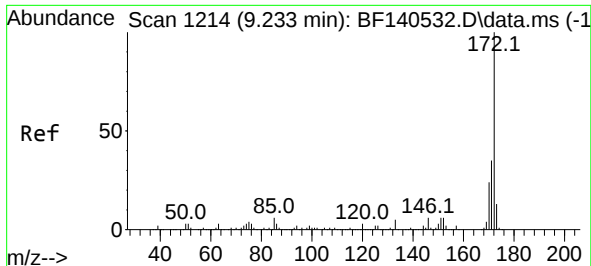
Tgt Ion:164 Resp: 80039
Ion Ratio Lower Upper
164 100
162 98.3 80.6 120.8
160 43.3 36.2 54.4



#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

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# 11

Delta R.T. -0.018 min

Lab File: BF140818.D

Acq: 10 Dec 2024 20:37

Instrument :

BNA_F

ClientSampleId :

TR-05-120924

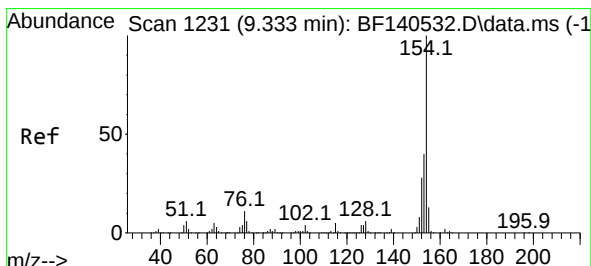
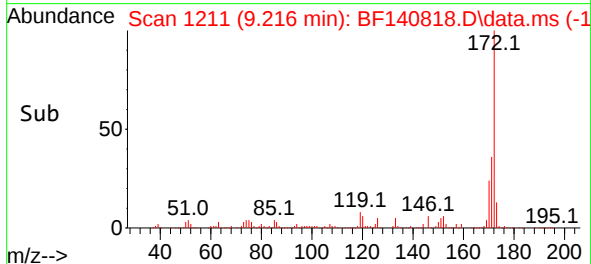
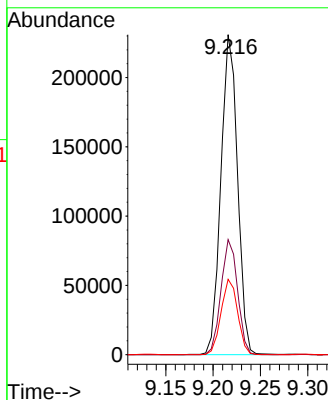
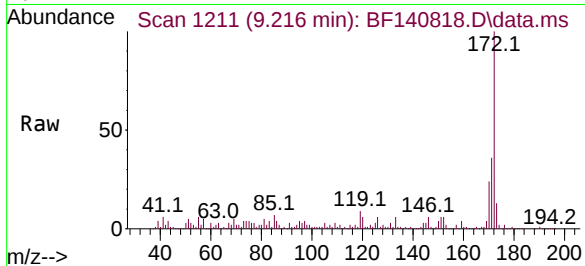
Tgt Ion:172 Resp: 282627

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# 1229

Delta R.T. -0.012 min

Lab File: BF140818.D

Acq: 10 Dec 2024 20:37

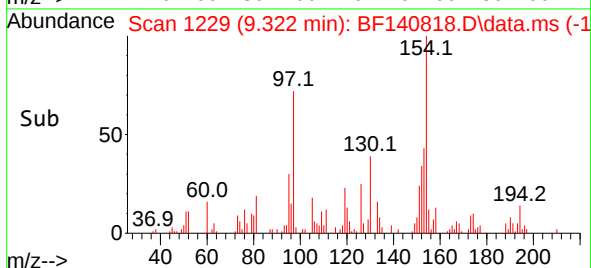
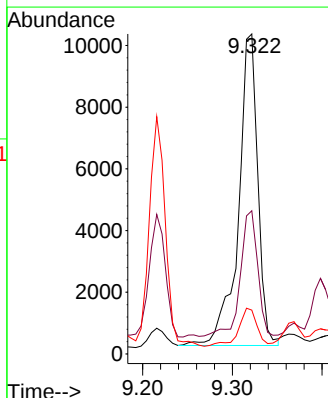
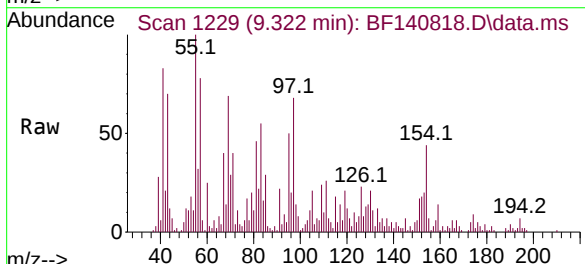
Tgt Ion:154 Resp: 15182

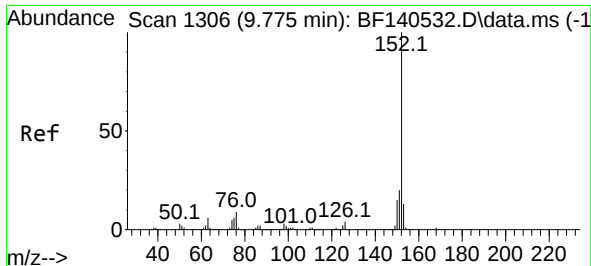
Ion Ratio Lower Upper

154 100

153 44.8 20.4 60.4

76 13.7 0.0 31.2

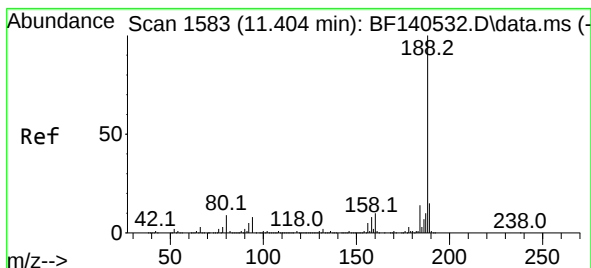
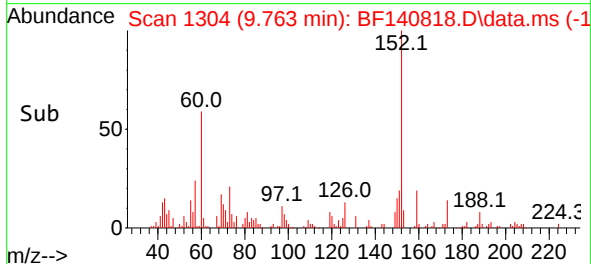
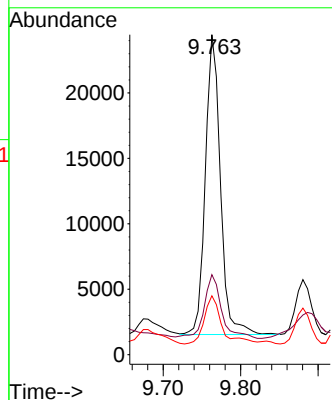
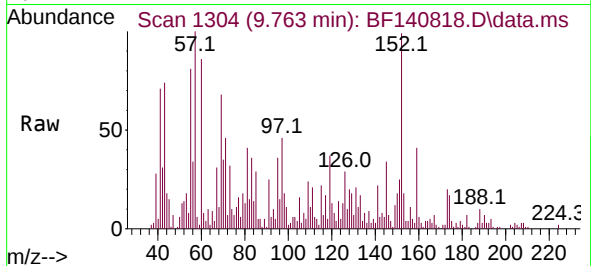




#49
Acenaphthylene
Concen: 4.516 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140818.D
Acq: 10 Dec 2024 20:37

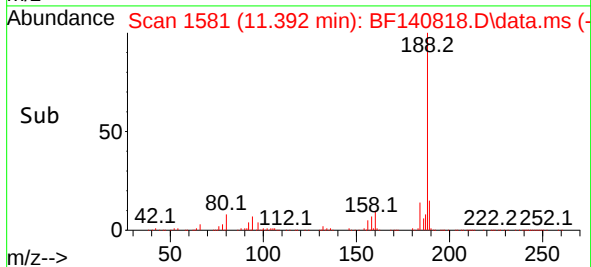
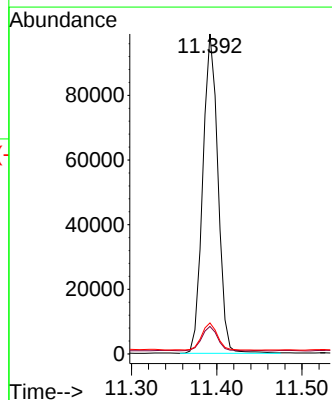
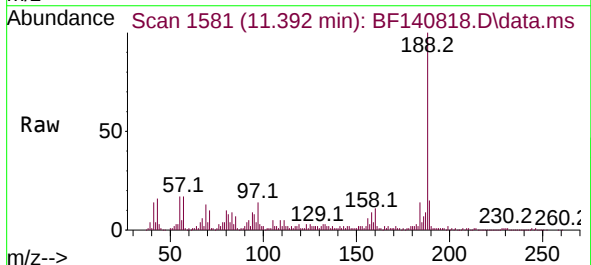
Instrument :
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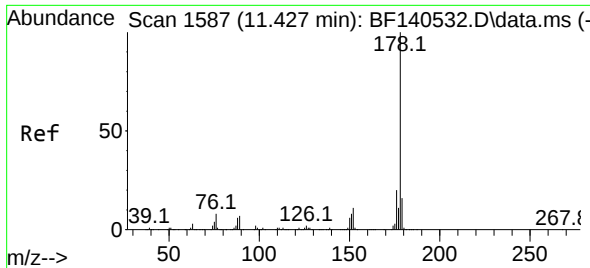
Tgt Ion:152 Resp: 30898
Ion Ratio Lower Upper
152 100
151 25.0 15.9 23.9#
153 18.4 10.6 16.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF140818.D
Acq: 10 Dec 2024 20:37

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

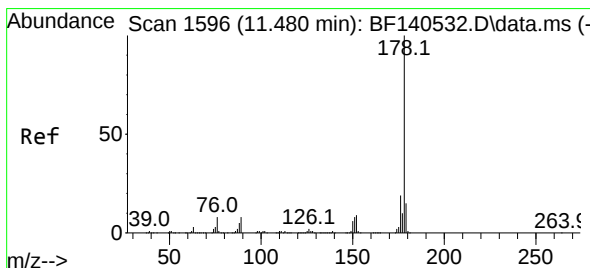
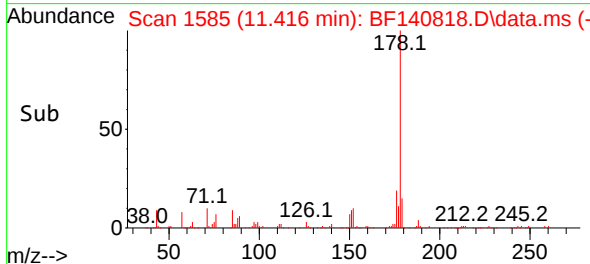
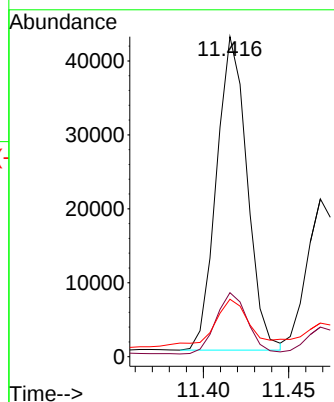
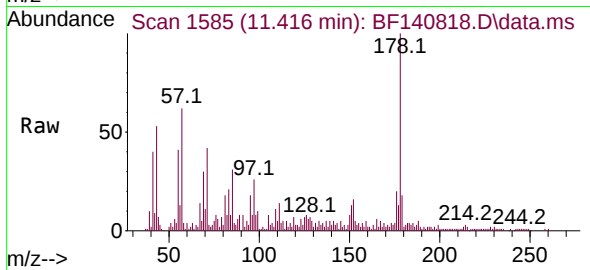




#71
Phenanthrene
Concen: 9.013 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140818.D
Acq: 10 Dec 2024 20:37

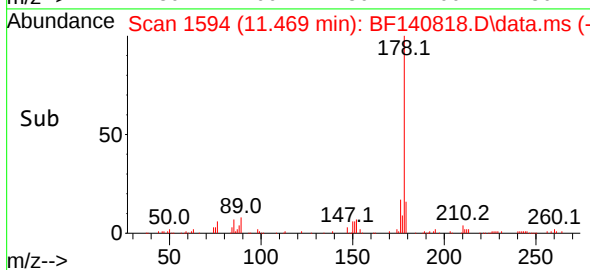
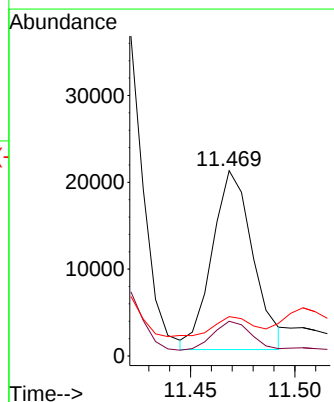
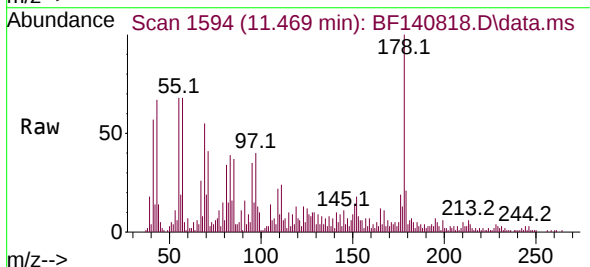
Instrument :
BNA_F
ClientSampleId :
TR-05-120924

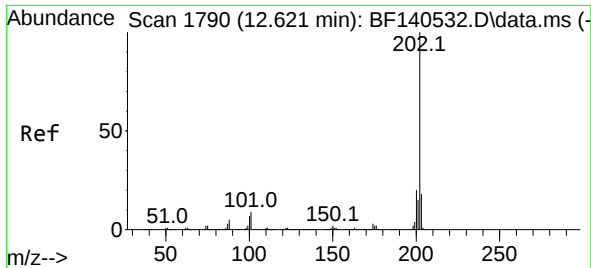
Tgt Ion:178	Resp:	52975
Ion Ratio	Lower	Upper
178	100	
176	20.0	15.8 23.6
179	18.0	12.4 18.6



#72
Anthracene
Concen: 4.873 ng m
RT: 11.469 min Scan# 1594
Delta R.T. -0.012 min
Lab File: BF140818.D
Acq: 10 Dec 2024 20:37

Tgt Ion:178	Resp:	28021
Ion Ratio	Lower	Upper
178	100	
176	18.7	15.0 22.4
179	21.3	12.2 18.4#

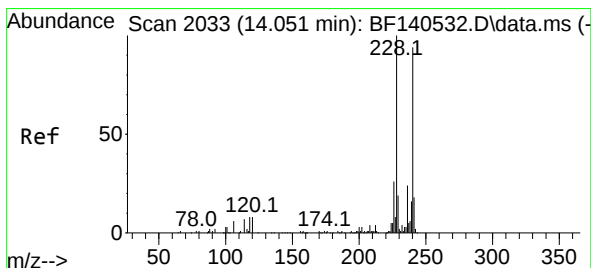
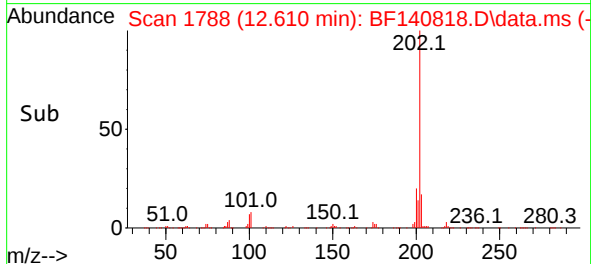
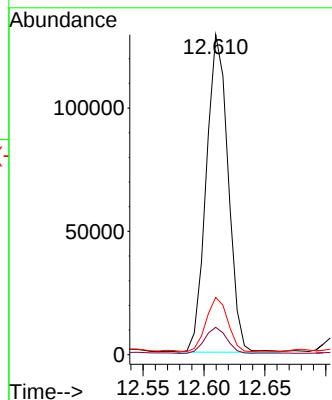
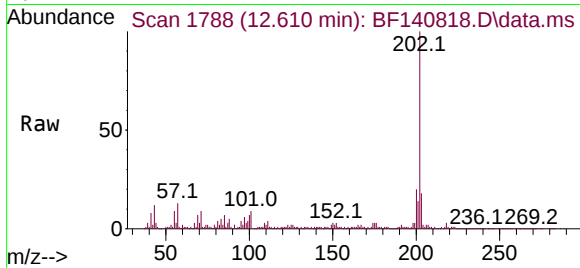




#75
Fluoranthene
Concen: 25.200 ng
RT: 12.610 min Scan# 1790
Delta R.T. -0.012 min
Lab File: BF140818.D
Acq: 10 Dec 2024 20:37

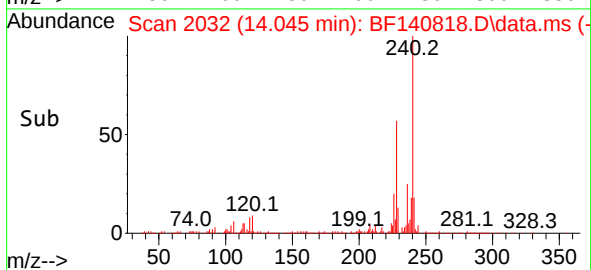
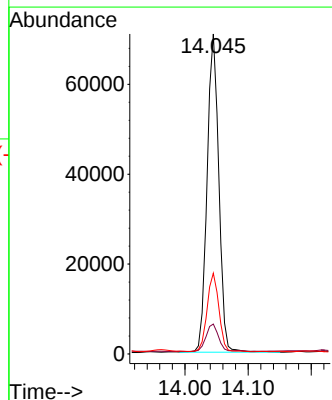
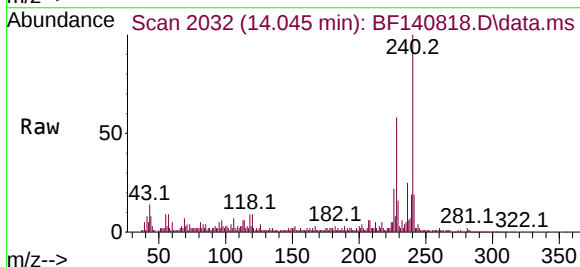
Instrument :
BNA_F
ClientSampleId :
TR-05-120924

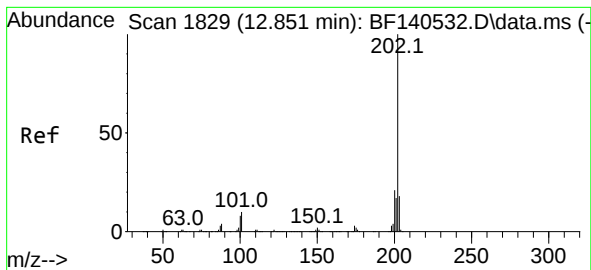
Tgt Ion:202 Resp: 160825
Ion Ratio Lower Upper
202 100
101 8.5 0.0 28.9
203 17.9 0.0 37.6



#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

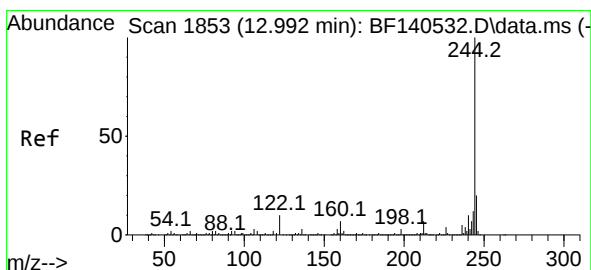
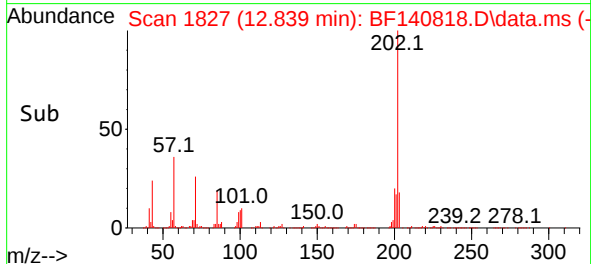
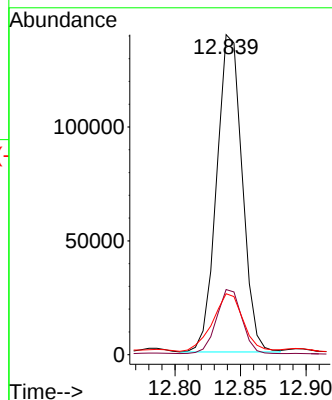
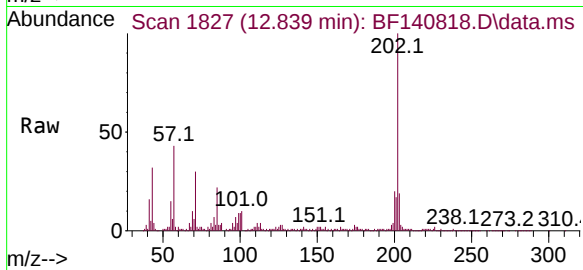
Tgt Ion:202 Resp: 188607

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

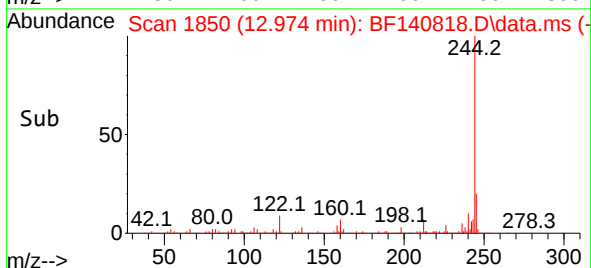
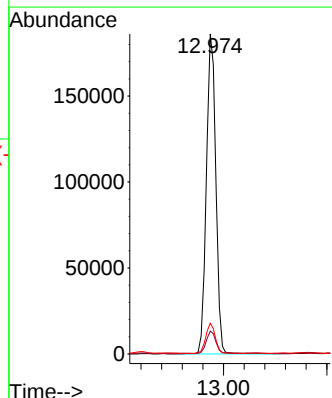
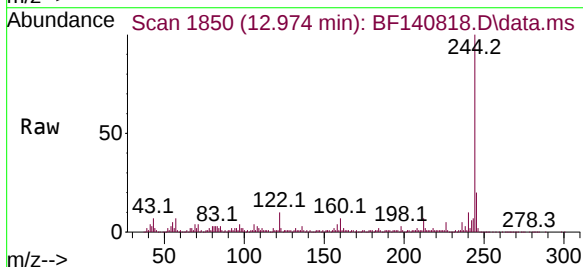
Tgt Ion:244 Resp: 236528

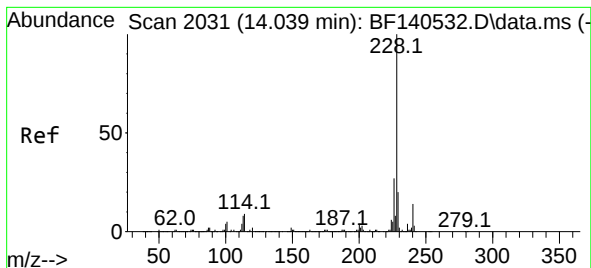
Ion Ratio Lower Upper

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

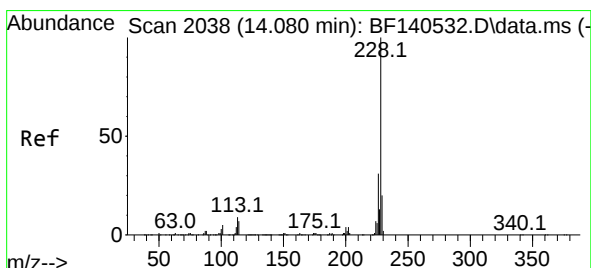
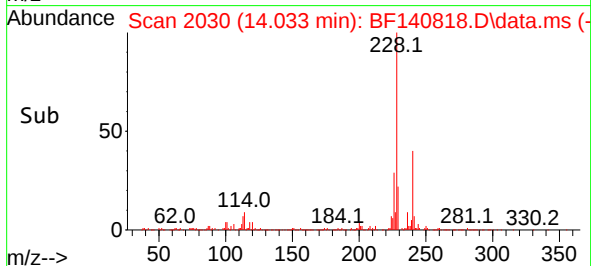
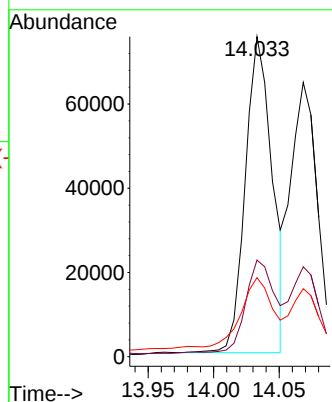
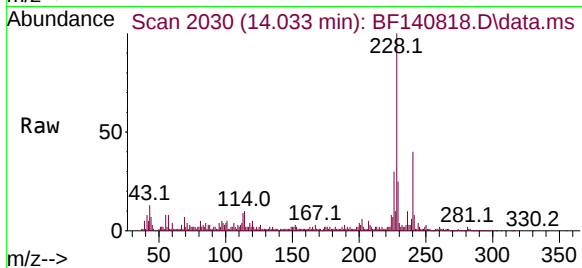
Tgt Ion:228 Resp: 107391

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

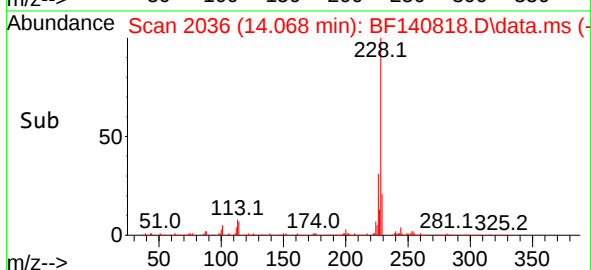
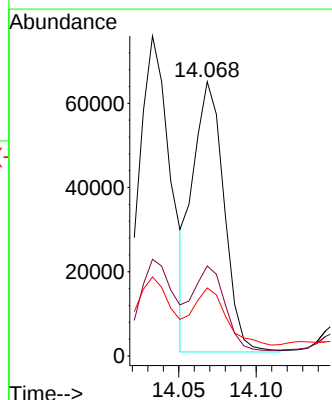
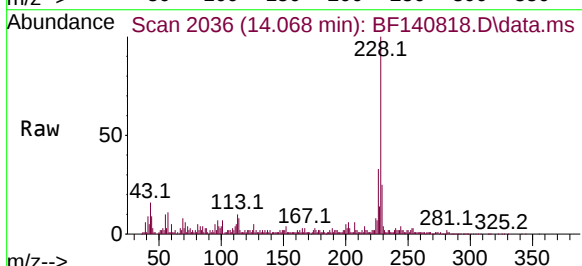
Tgt Ion:228 Resp: 90567

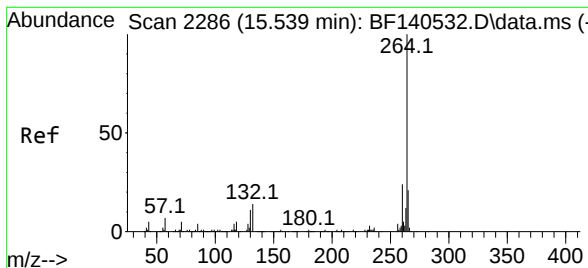
Ion Ratio Lower Upper

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

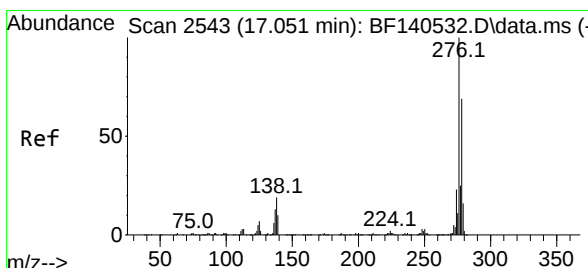
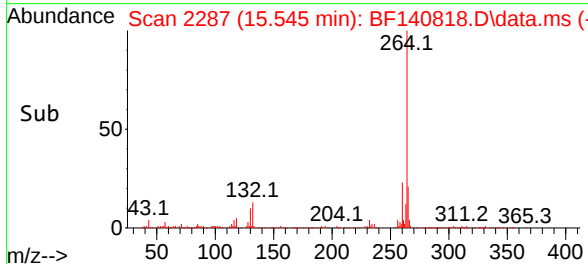
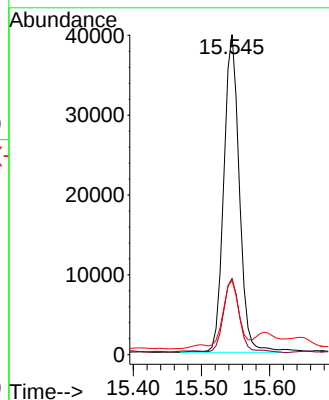
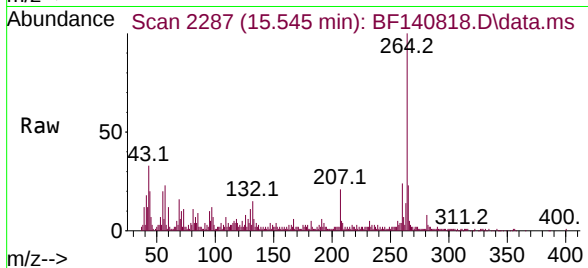
Tgt Ion:264 Resp: 63082

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

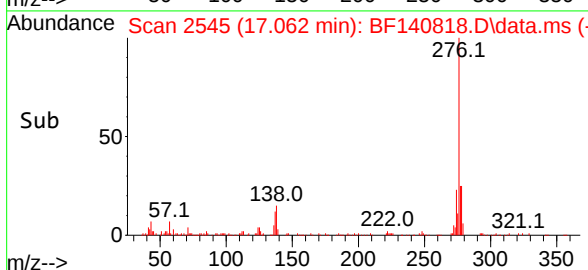
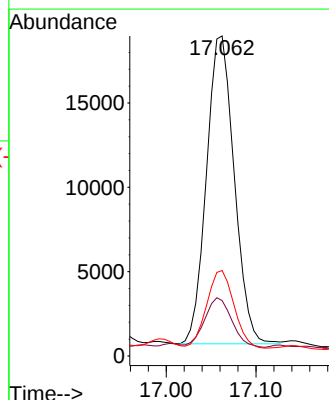
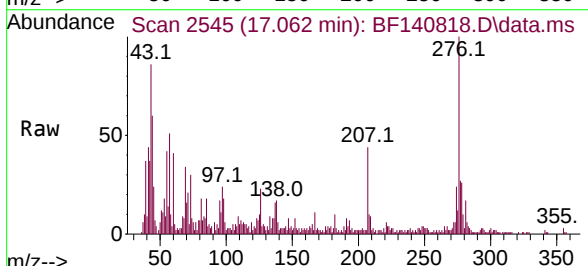
Tgt Ion:276 Resp: 39258

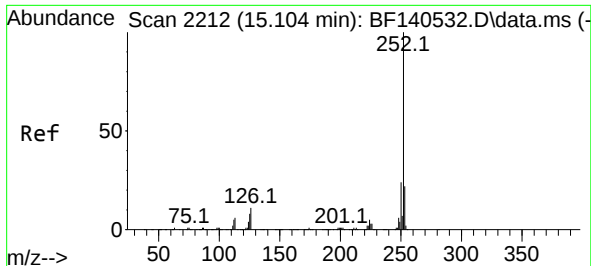
Ion Ratio Lower Upper

276 100

138 15.8 15.5 23.3

277 25.1 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 24.310 ng m

RT: 15.109 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

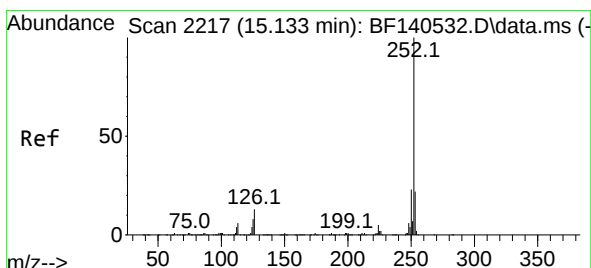
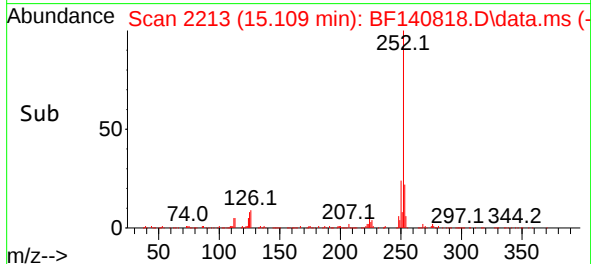
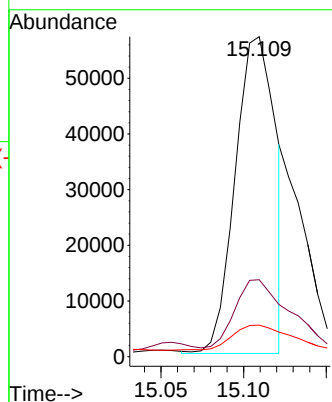
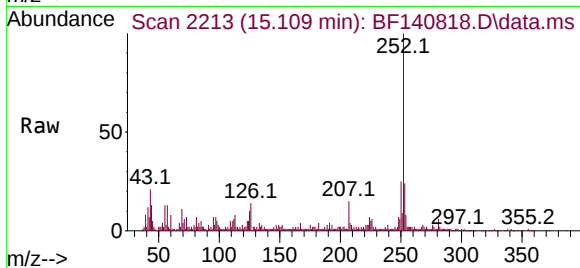
Tgt Ion:252 Resp: 96323

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: 9.852 ng m

RT: 15.121 min Scan# 2215

Delta R.T. -0.012 min

Lab File: BF140818.D

Acq: 10 Dec 2024 20:37

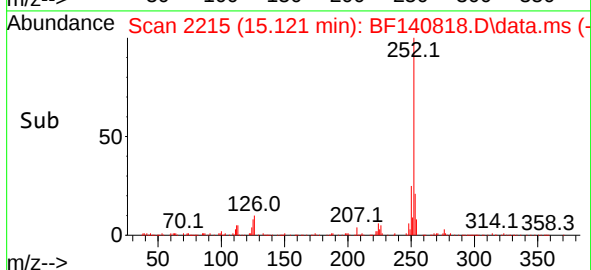
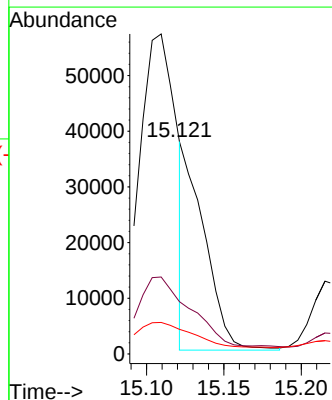
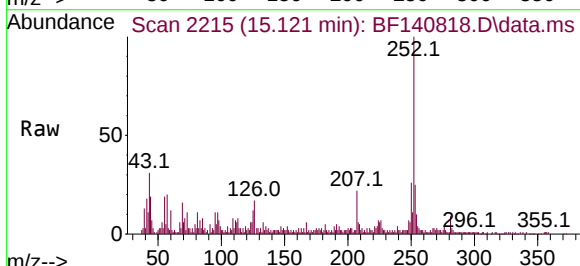
Tgt Ion:252 Resp: 34160

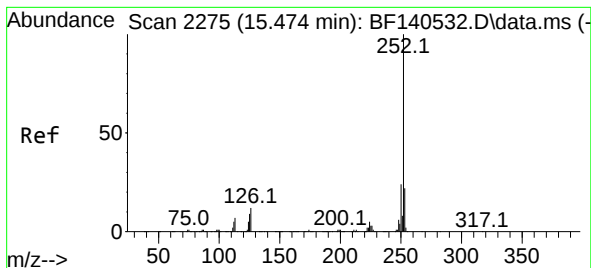
Ion Ratio Lower Upper

252 100

253 24.6 17.5 26.3

125 11.6 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

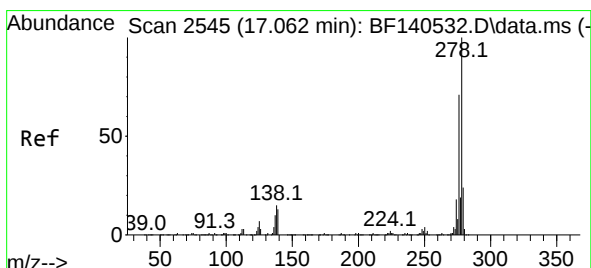
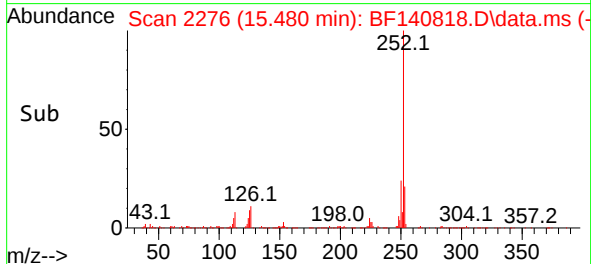
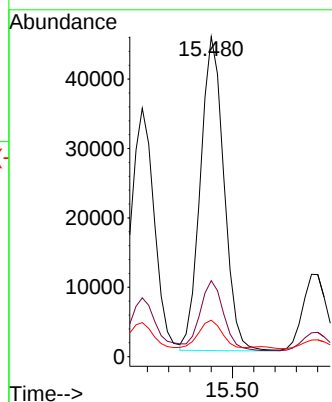
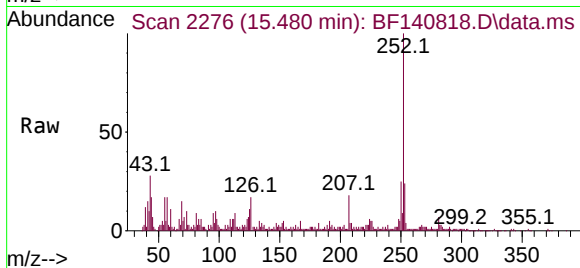
Tgt Ion:252 Resp: 69554

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

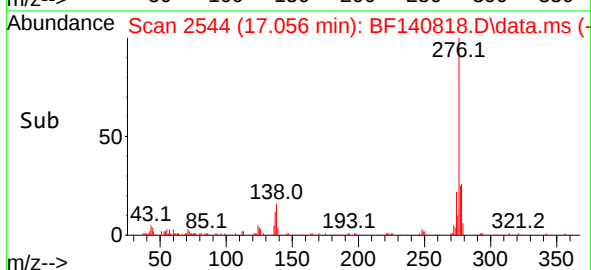
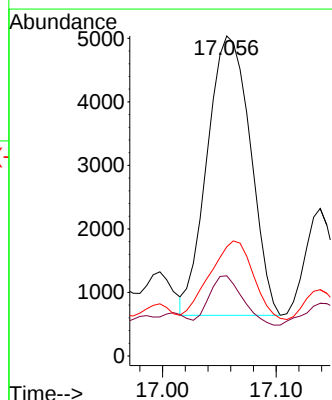
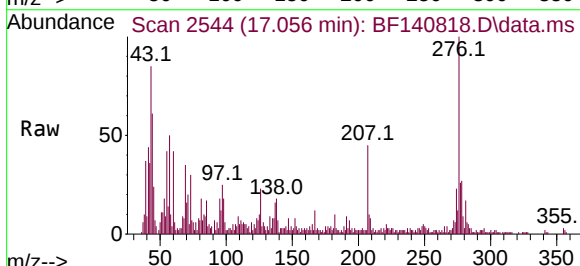
Tgt Ion:278 Resp: 11600

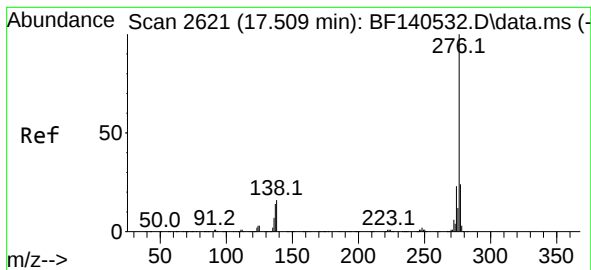
Ion Ratio Lower Upper

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

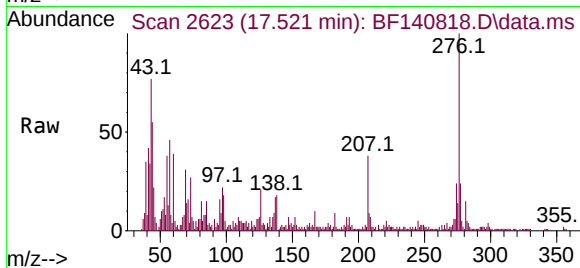
Acq: 10 Dec 2024 20:37

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

