

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
 Data File : BF140513.D
 Acq On : 20 Nov 2024 21:21
 Operator : RC/JU
 Sample : P4889-05DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 20 21:59:34 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

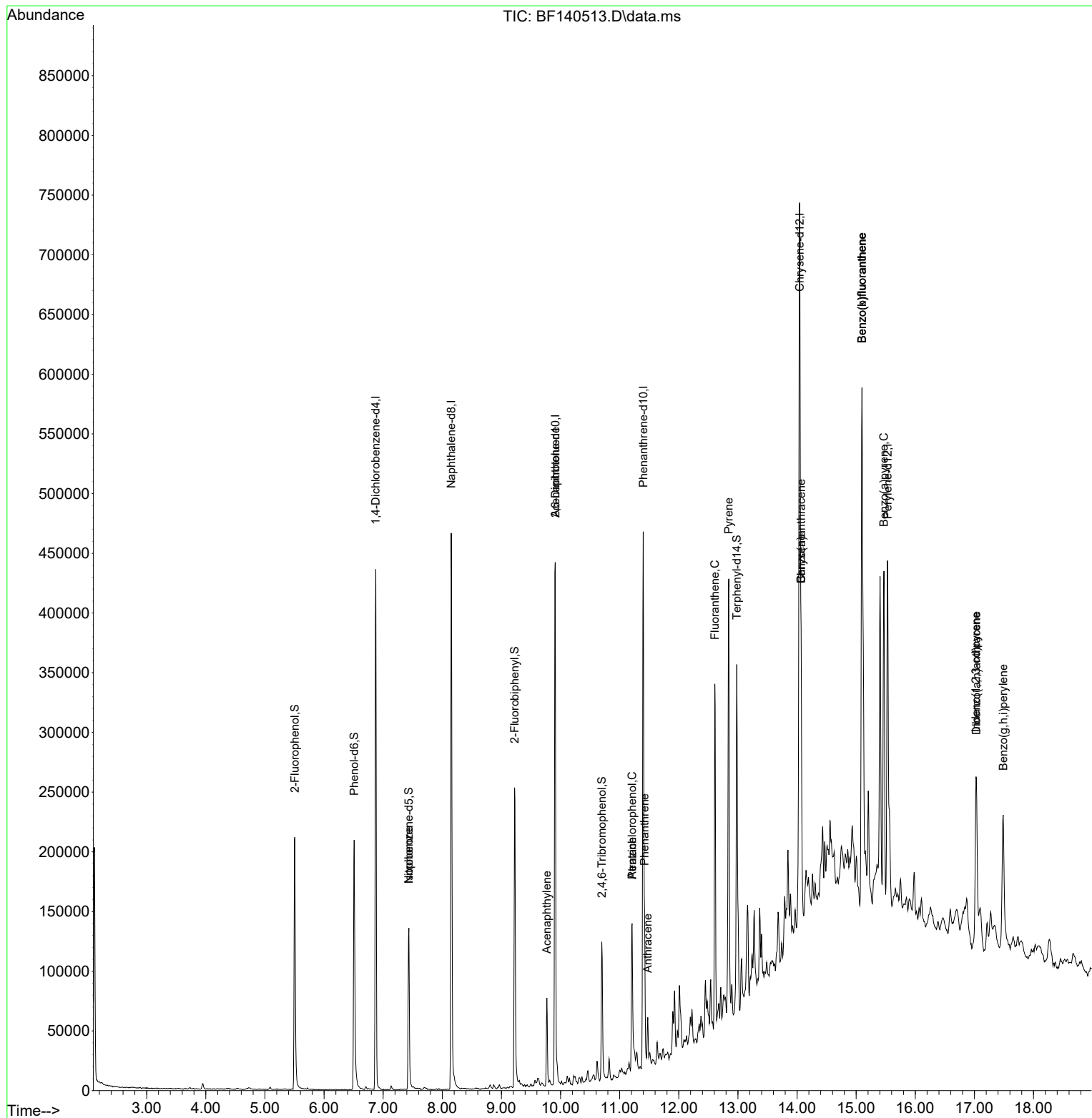
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	94716	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	318948	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	139993	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	239582	20.000	ng	0.00
76) Chrysene-d12	14.045	240	209277	20.000	ng	0.00
86) Perylene-d12	15.533	264	175813	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	93717	16.894	ng	0.01
7) Phenol-d6	6.510	99	117206	15.594	ng	0.00
23) Nitrobenzene-d5	7.434	82	70327	11.488	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	19998	14.365	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	134292	15.421	ng	-0.01
79) Terphenyl-d14	12.980	244	136050	11.284	ng	0.00
Target Compounds						
25) Isophorone	7.434	82	70327	6.482	ng	# 66
49) Acenaphthylene	9.769	152	45576	3.883	ng	99
51) 2,6-Dinitrotoluene	9.910	165	18194	8.746	ng	# 23
69) Atrazine	11.210	200	4871	2.326	ng	# 36
70) Pentachlorophenol	11.210	266	27178	18.724	ng	99
71) Phenanthrene	11.422	178	62350	5.540	ng	98
72) Anthracene	11.475	178	25153	2.280	ng	97
75) Fluoranthene	12.610	202	169762	13.445	ng	99
78) Pyrene	12.845	202	218159	12.187	ng	99
81) Benzo(a)anthracene	14.069	228	155928	11.337	ng	94
83) Chrysene	14.069	228	155928	12.425	ng	98
87) Indeno(1,2,3-cd)pyrene	17.027	276	104920	9.661	ng	95
88) Benzo(b)fluoranthene	15.098	252	363597	31.615	ng	98
89) Benzo(k)fluoranthene	15.098	252	363597	38.700	ng	97
90) Benzo(a)pyrene	15.468	252	159272	17.833	ng	99
91) Dibenzo(a,h)anthracene	17.033	278	23762	2.647	ng	# 83
92) Benzo(g,h,i)perylene	17.486	276	101583	11.069	ng	98

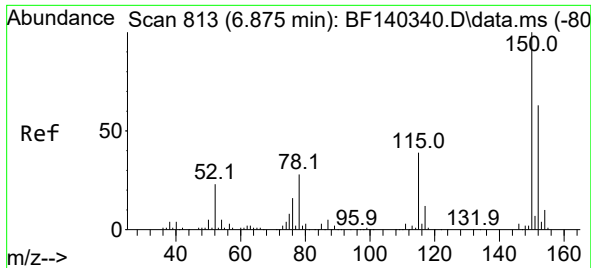
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
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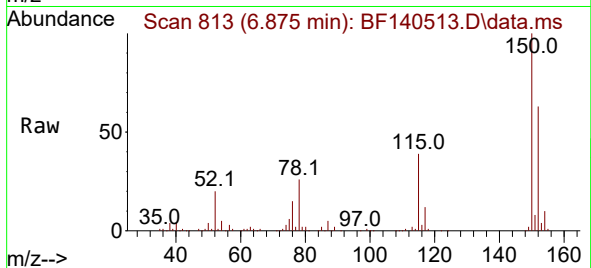
Quant Time: Nov 20 21:59:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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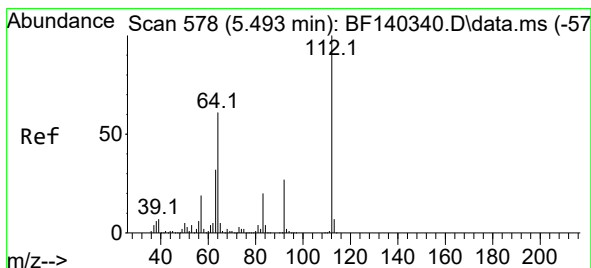
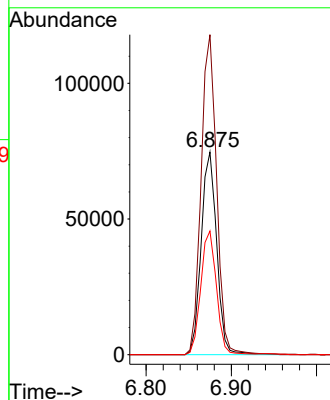
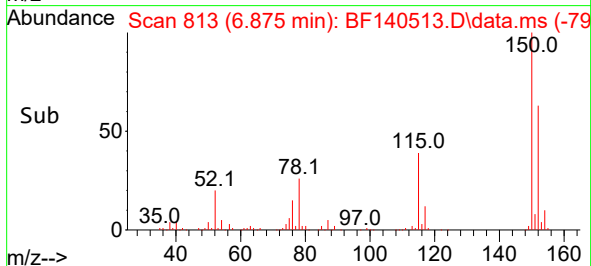


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140513.D
Acq: 20 Nov 2024 21:21

Instrument :
BNA_F
ClientSampleId :

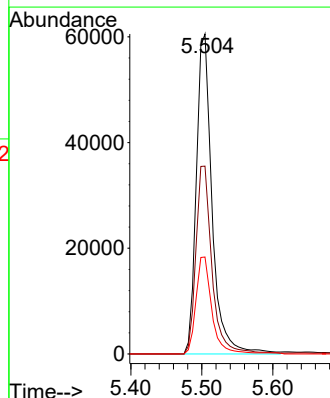
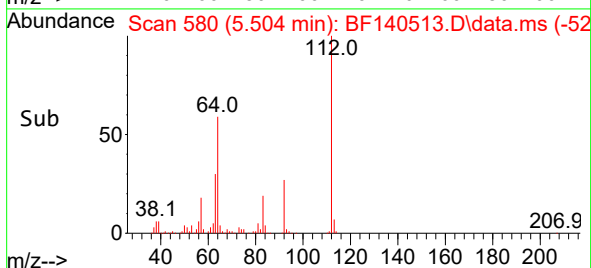
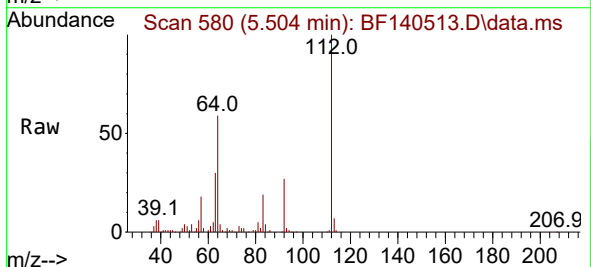


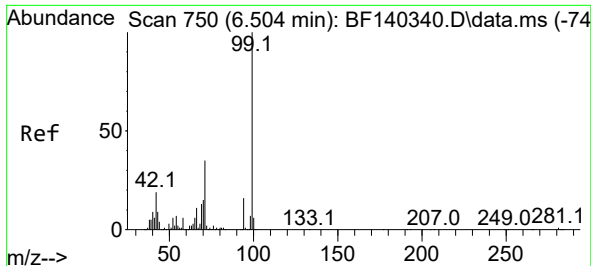
Tgt Ion:152 Resp: 94716
Ion Ratio Lower Upper
152 100
150 157.9 127.4 191.0
115 61.1 47.4 71.2



#5
2-Fluorophenol
Concen: 16.894 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140513.D
Acq: 20 Nov 2024 21:21

Tgt Ion:112 Resp: 93717
Ion Ratio Lower Upper
112 100
64 58.7 49.2 73.8
63 30.3 25.6 38.4





#7

Phenol-d6

Concen: 15.594 ng

RT: 6.510 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF140513.D

Acq: 20 Nov 2024 21:21

Instrument :

BNA_F

ClientSampleId :

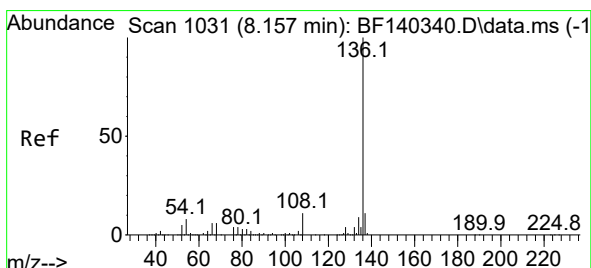
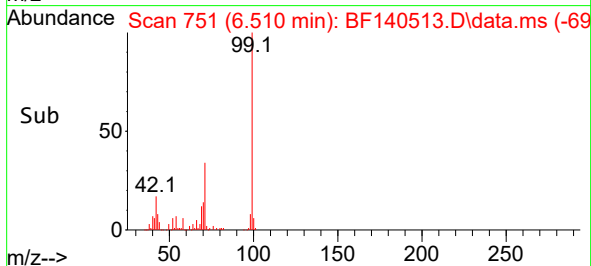
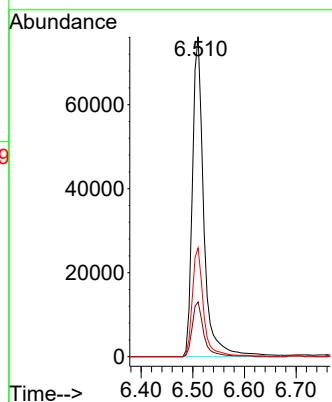
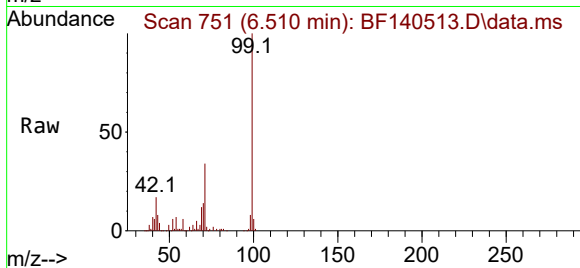
Tgt Ion: 99 Resp: 117206

Ion Ratio Lower Upper

99 100

42 17.1 15.1 22.7

71 34.0 27.9 41.9



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BF140513.D

Acq: 20 Nov 2024 21:21

Tgt Ion: 136 Resp: 318948

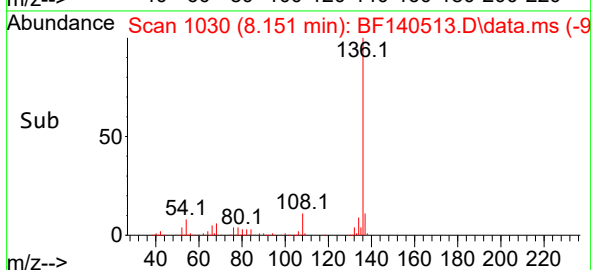
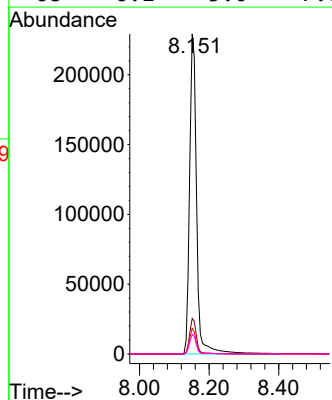
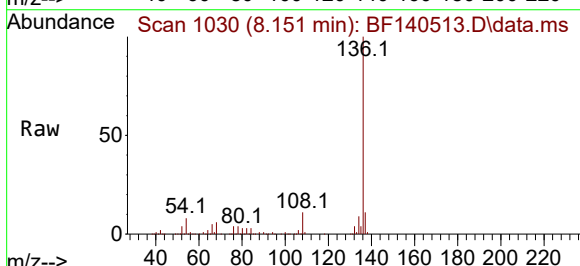
Ion Ratio Lower Upper

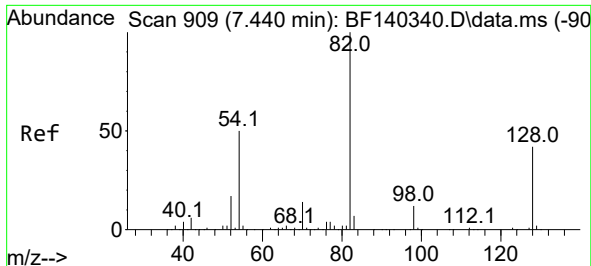
136 100

137 11.1 8.7 13.1

54 7.9 6.5 9.7

68 6.1 5.0 7.6





#23

Nitrobenzene-d5

Concen: 11.488 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.006 min

Lab File: BF140513.D

Acq: 20 Nov 2024 21:21

Instrument :

BNA_F

ClientSampleId :

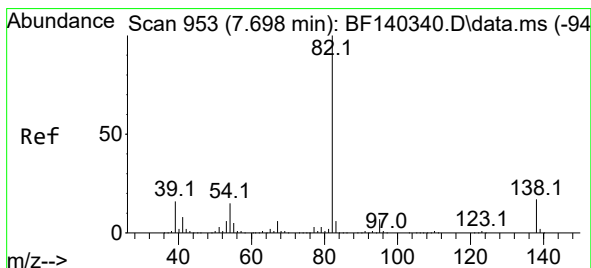
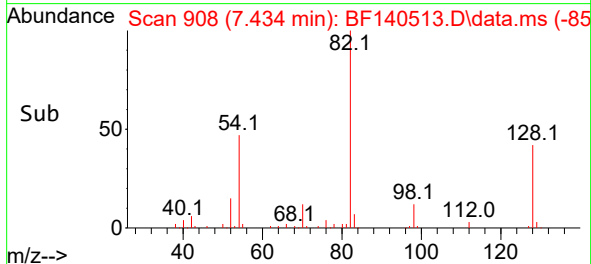
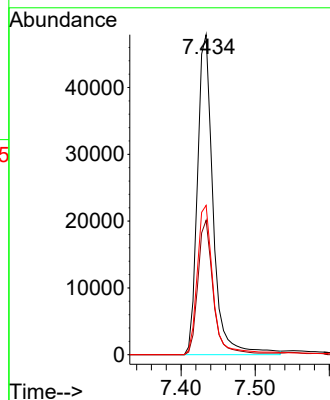
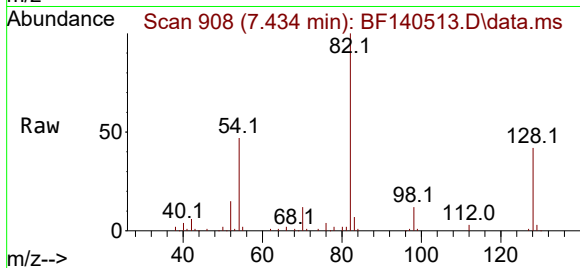
Tgt Ion: 82 Resp: 70327

Ion Ratio Lower Upper

82 100

128 42.0 33.3 49.9

54 46.6 39.8 59.8



#25

Isophorone

Concen: 6.482 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.265 min

Lab File: BF140513.D

Acq: 20 Nov 2024 21:21

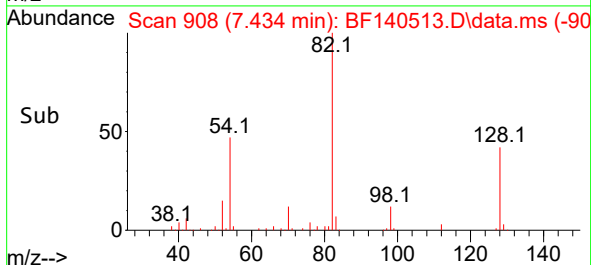
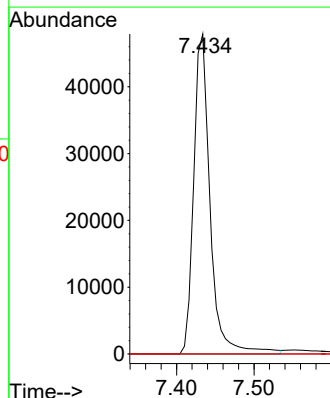
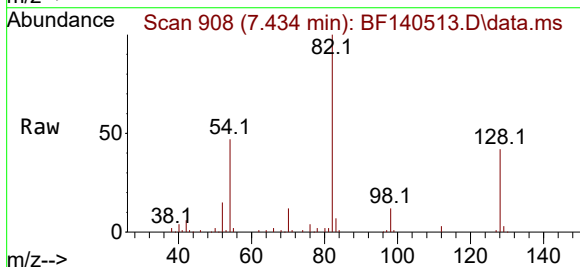
Tgt Ion: 82 Resp: 70327

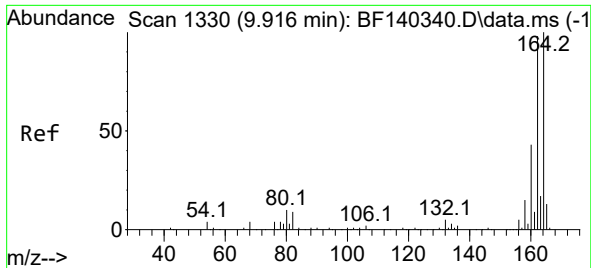
Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

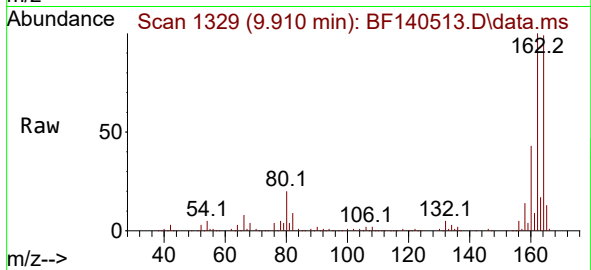
138 0.0 13.4 20.2#



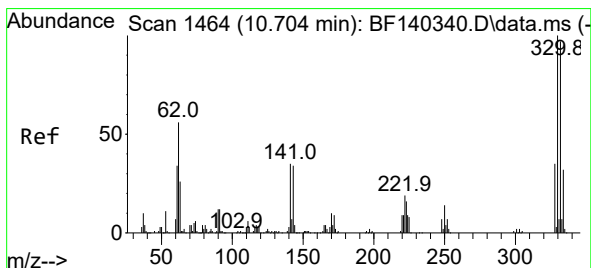
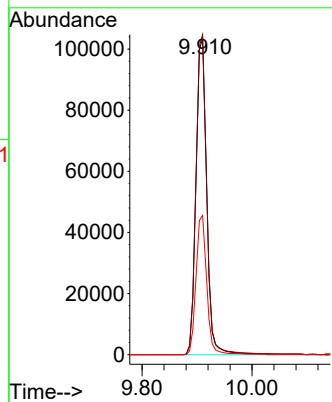
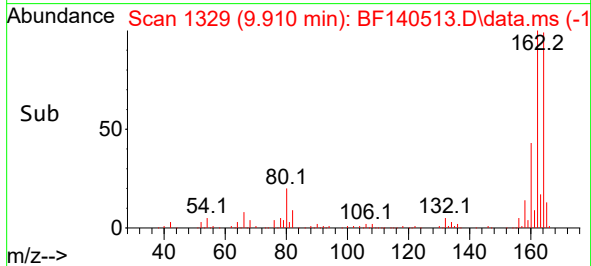


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140513.D
Acq: 20 Nov 2024 21:21

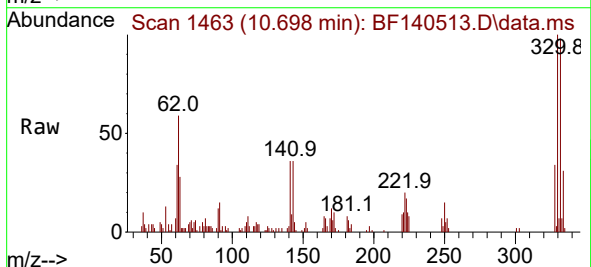
Instrument :
BNA_F
ClientSampleId :



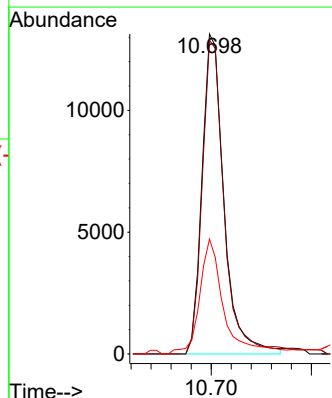
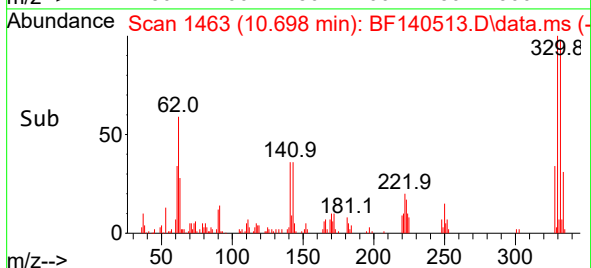
Tgt Ion:164 Resp: 139993
Ion Ratio Lower Upper
164 100
162 101.1 79.8 119.8
160 44.0 35.4 53.0

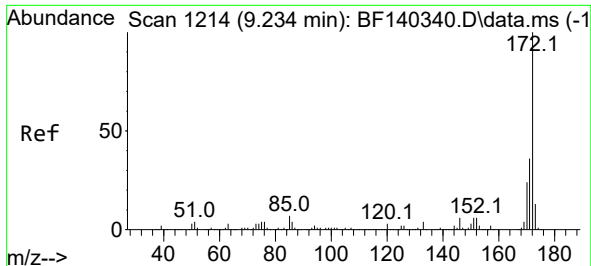


#42
2,4,6-Tribromophenol
Concen: 14.365 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140513.D
Acq: 20 Nov 2024 21:21



Tgt Ion:330 Resp: 19998
Ion Ratio Lower Upper
330 100
332 98.8 75.9 113.9
141 39.2 26.9 40.3





#45

2-Fluorobiphenyl

Concen: 15.421 ng

RT: 9.222 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF140513.D

Acq: 20 Nov 2024 21:21

Instrument :

BNA_F

ClientSampleId :

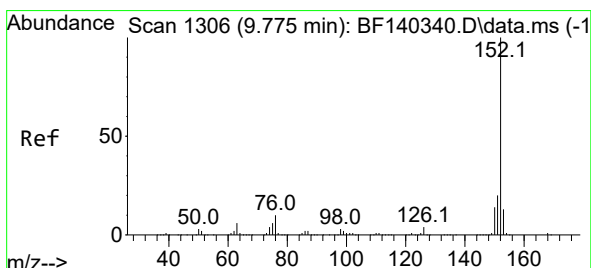
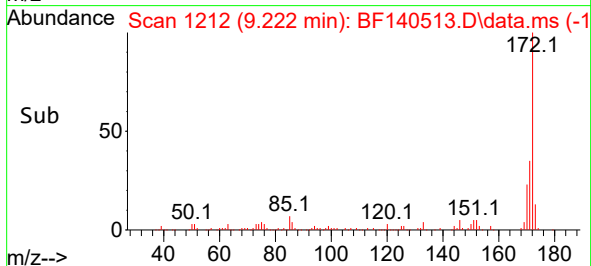
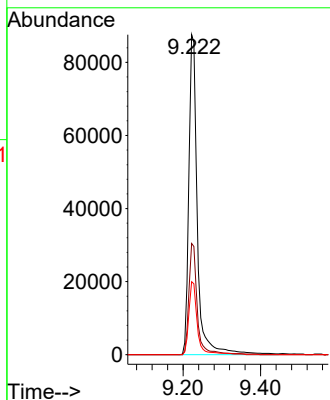
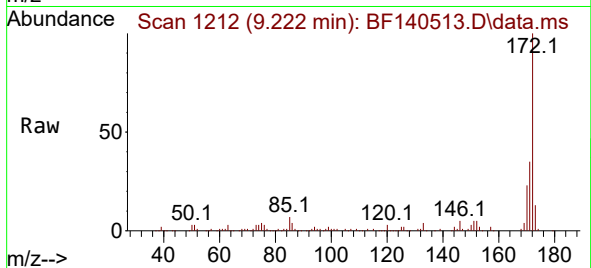
Tgt Ion:172 Resp: 134292

Ion Ratio Lower Upper

172 100

171 34.8 28.5 42.7

170 22.8 19.1 28.7



#49

Acenaphthylene

Concen: 3.883 ng

RT: 9.769 min Scan# 1305

Delta R.T. -0.006 min

Lab File: BF140513.D

Acq: 20 Nov 2024 21:21

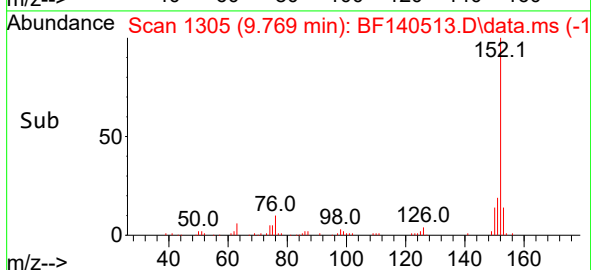
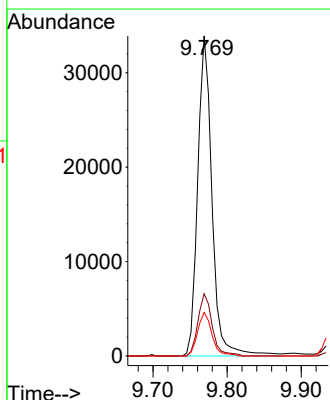
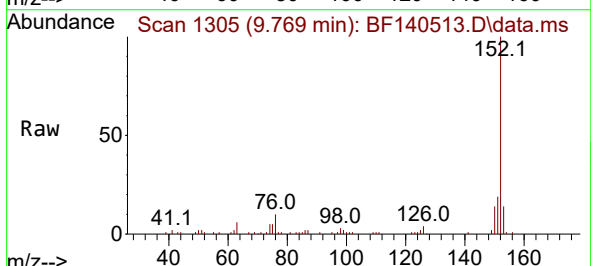
Tgt Ion:152 Resp: 45576

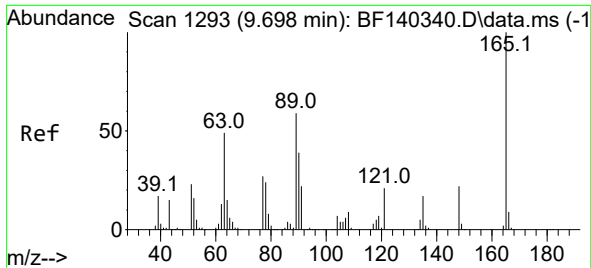
Ion Ratio Lower Upper

152 100

151 19.4 16.1 24.1

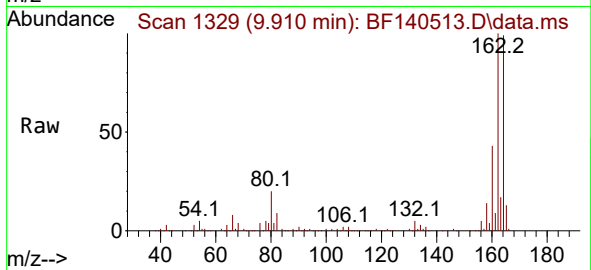
153 13.6 10.7 16.1



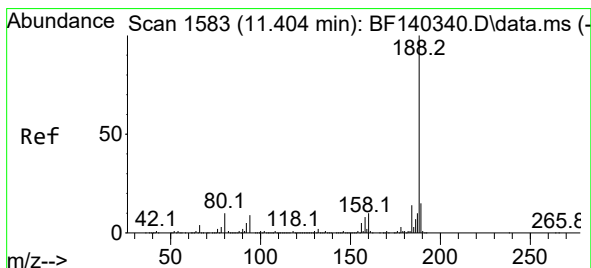
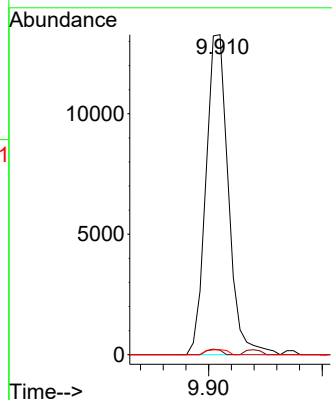
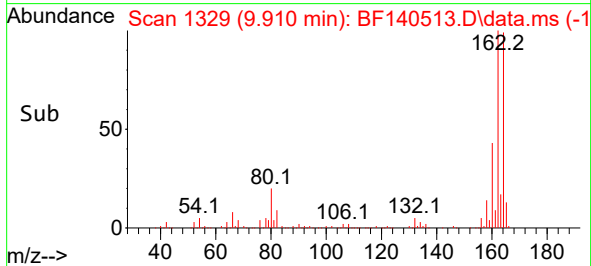


#51
2,6-Dinitrotoluene
Concen: 8.746 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF140513.D
Acq: 20 Nov 2024 21:21

Instrument :
BNA_F
ClientSampleId :

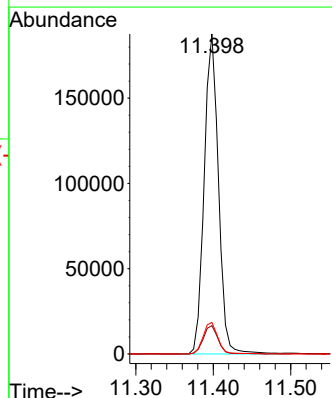
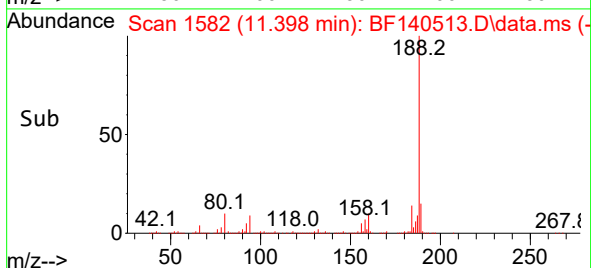
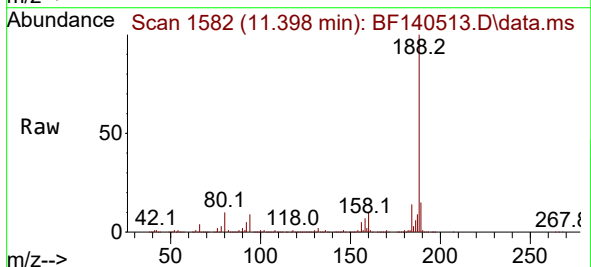


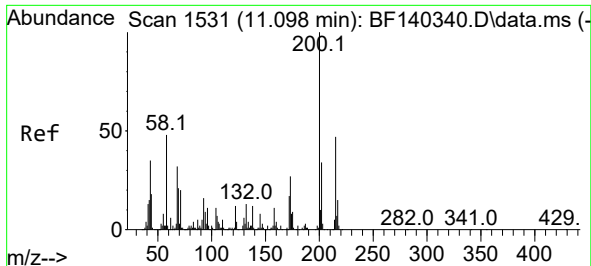
Tgt Ion:165 Resp: 18194
Ion Ratio Lower Upper
165 100
63 1.4 47.6 71.4#
89 1.6 48.1 72.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140513.D
Acq: 20 Nov 2024 21:21

Tgt Ion:188 Resp: 239582
Ion Ratio Lower Upper
188 100
94 8.9 7.6 11.4
80 9.8 8.0 12.0

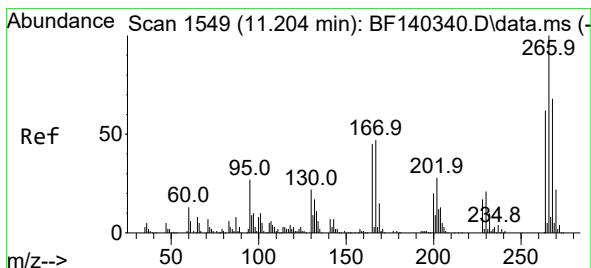
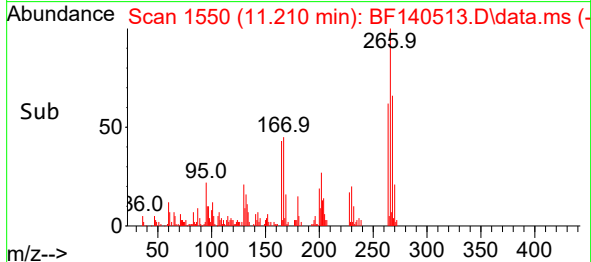
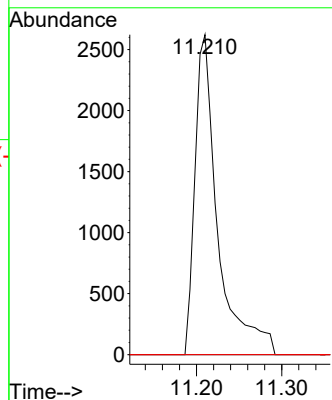
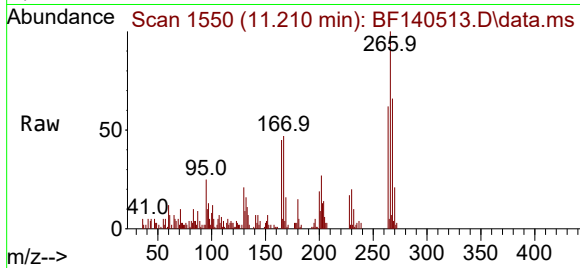




#69
 Atrazine
 Concen: 2.326 ng
 RT: 11.210 min Scan# 1550
 Delta R.T. 0.112 min
 Lab File: BF140513.D
 Acq: 20 Nov 2024 21:21

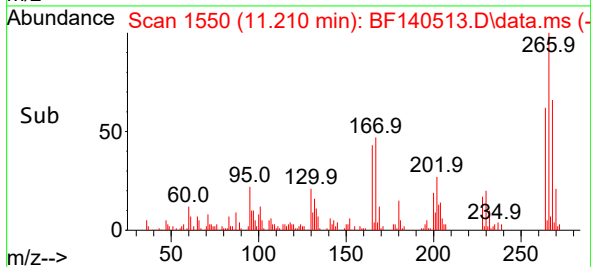
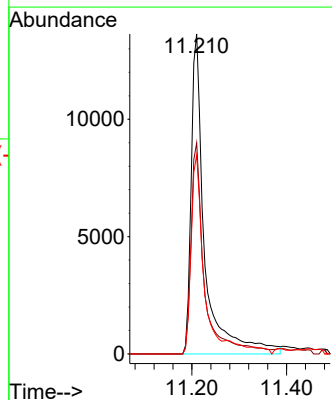
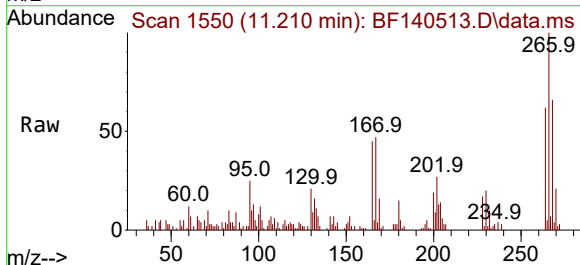
Instrument :
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 ClientSampleId :

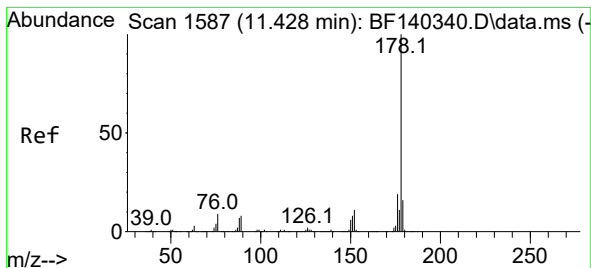
Tgt Ion:200 Resp: 4871
 Ion Ratio Lower Upper
 200 100
 173 0.0 6.6 46.6#
 215 0.0 27.2 67.2#



#70
 Pentachlorophenol
 Concen: 18.724 ng
 RT: 11.210 min Scan# 1550
 Delta R.T. 0.006 min
 Lab File: BF140513.D
 Acq: 20 Nov 2024 21:21

Tgt Ion:266 Resp: 27178
 Ion Ratio Lower Upper
 266 100
 268 65.9 52.9 79.3
 264 62.2 50.3 75.5





#71

Phenanthrene

Concen: 5.540 ng

RT: 11.422 min Scan# 1586

Delta R.T. -0.006 min

Lab File: BF140513.D

Acq: 20 Nov 2024 21:21

Instrument :

BNA_F

ClientSampleId :

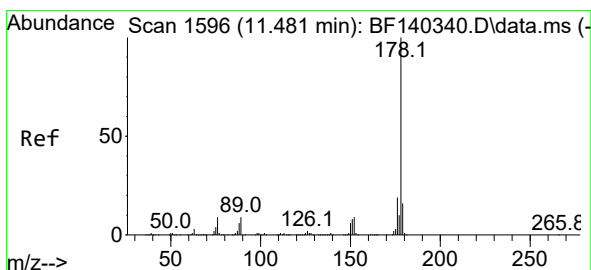
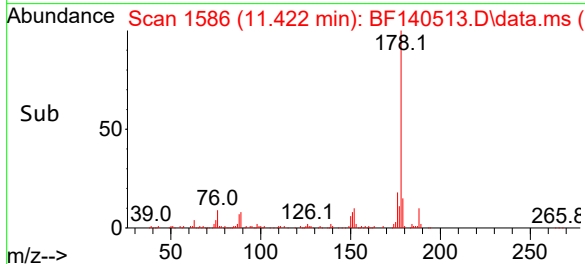
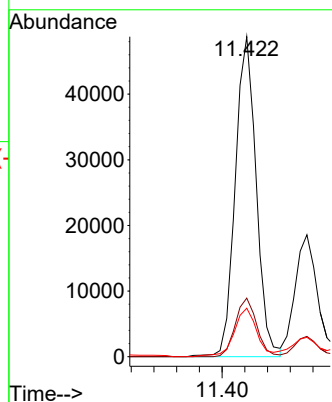
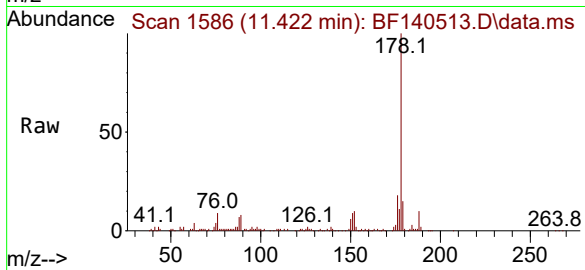
Tgt Ion:178 Resp: 62350

Ion Ratio Lower Upper

178 100

176 18.3 15.5 23.3

179 15.2 12.4 18.6



#72

Anthracene

Concen: 2.280 ng

RT: 11.475 min Scan# 1595

Delta R.T. -0.006 min

Lab File: BF140513.D

Acq: 20 Nov 2024 21:21

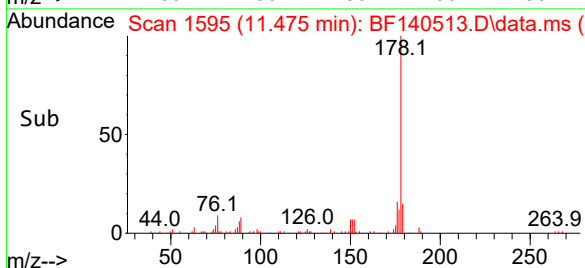
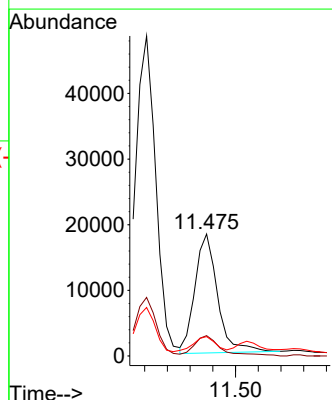
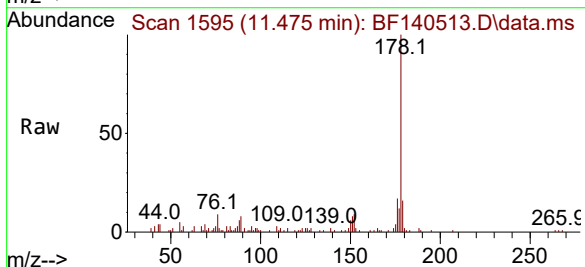
Tgt Ion:178 Resp: 25153

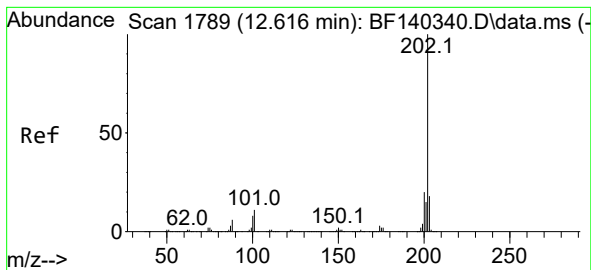
Ion Ratio Lower Upper

178 100

176 16.7 15.4 23.0

179 15.9 12.6 18.8





#75

Fluoranthene

Concen: 13.445 ng

RT: 12.610 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140513.D

Acq: 20 Nov 2024 21:21

Instrument :

BNA_F

ClientSampleId :

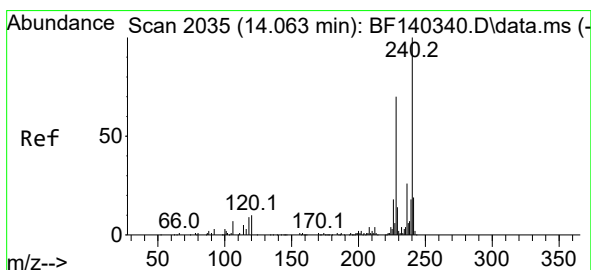
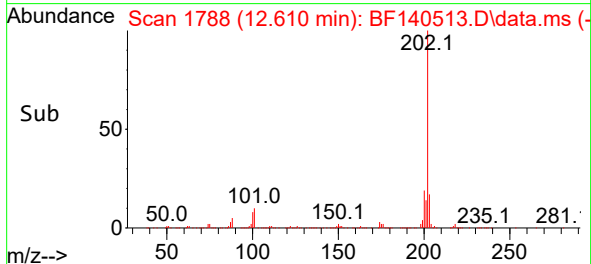
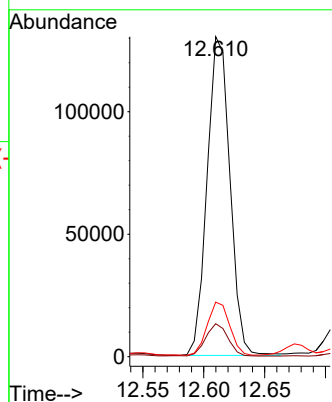
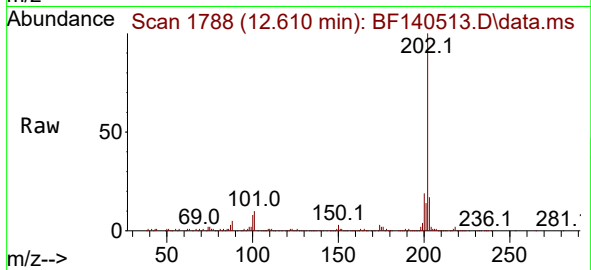
Tgt Ion:202 Resp: 169762

Ion Ratio Lower Upper

202 100

101 10.3 0.0 30.7

203 17.1 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF140513.D

Acq: 20 Nov 2024 21:21

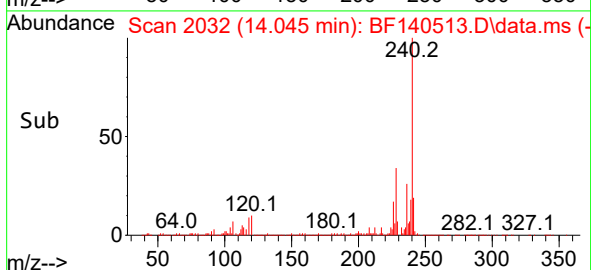
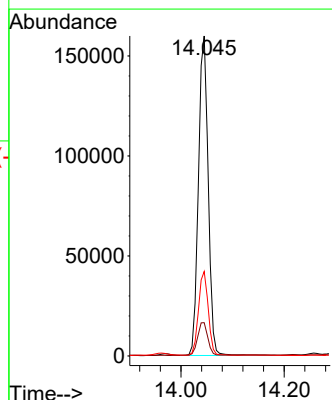
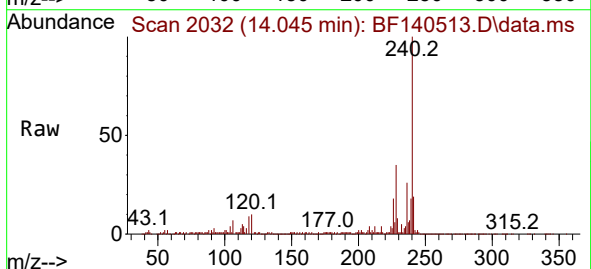
Tgt Ion:240 Resp: 209277

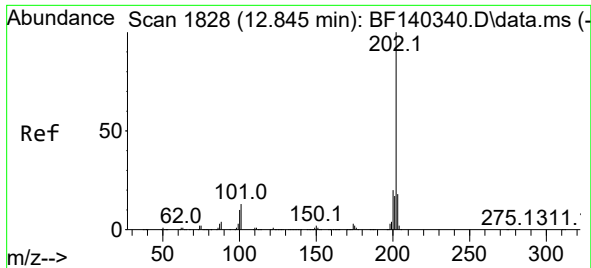
Ion Ratio Lower Upper

240 100

120 10.4 8.8 13.2

236 26.4 20.9 31.3

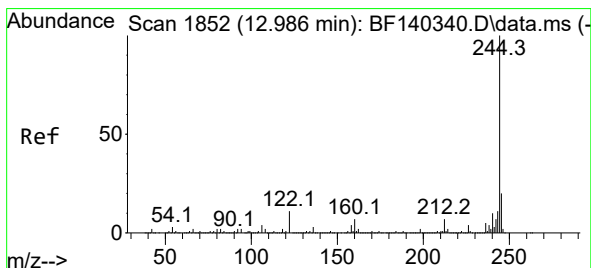
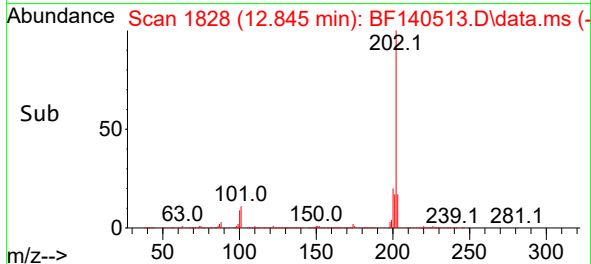
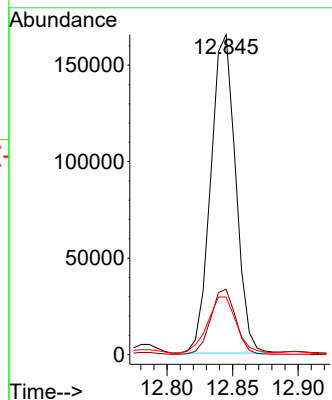
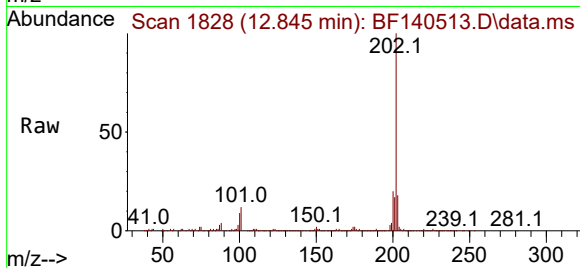




#78
 Pyrene
 Concen: 12.187 ng
 RT: 12.845 min Scan# 1828
 Delta R.T. 0.000 min
 Lab File: BF140513.D
 Acq: 20 Nov 2024 21:21

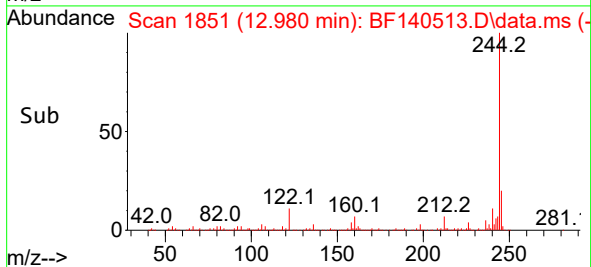
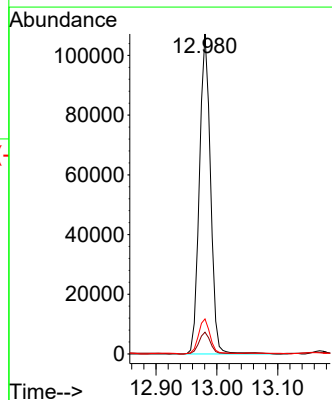
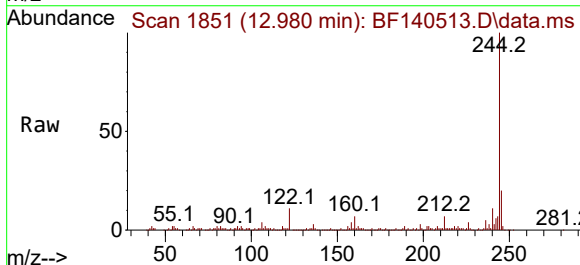
Instrument :
 BNA_F
 ClientSampleId :

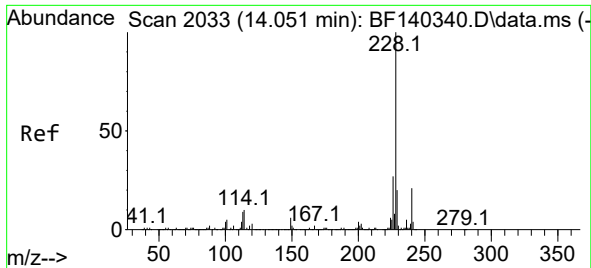
Tgt Ion:202 Resp: 218159
 Ion Ratio Lower Upper
 202 100
 200 20.5 16.2 24.2
 203 18.1 14.2 21.4



#79
 Terphenyl-d14
 Concen: 11.284 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF140513.D
 Acq: 20 Nov 2024 21:21

Tgt Ion:244 Resp: 136050
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.8
 122 10.9 8.8 13.2

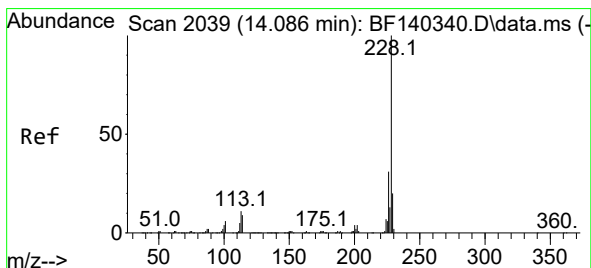
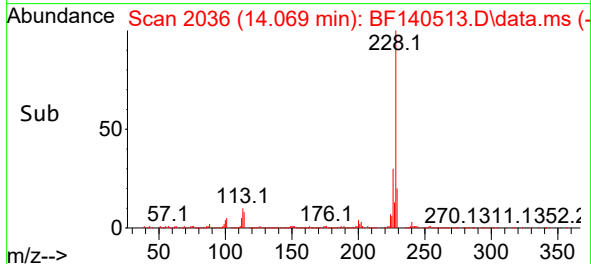
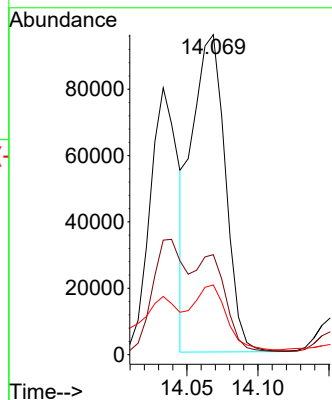
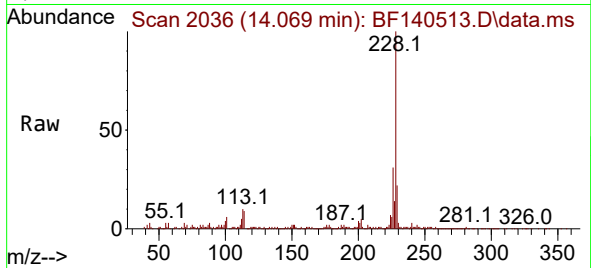




#81
Benzo(a)anthracene
Concen: 11.337 ng
RT: 14.069 min Scan# 2036
Delta R.T. 0.029 min
Lab File: BF140513.D
Acq: 20 Nov 2024 21:21

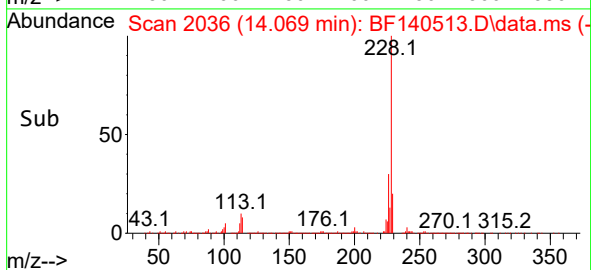
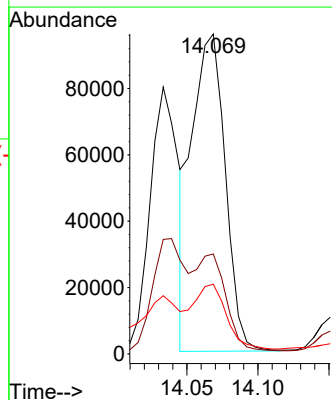
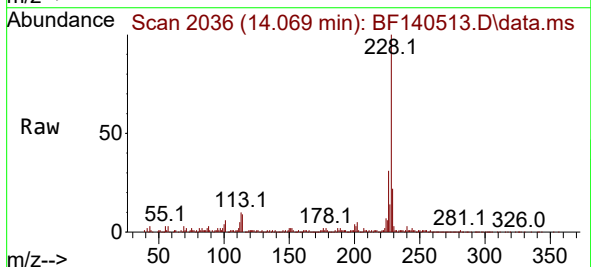
Instrument :
BNA_F
ClientSampleId :

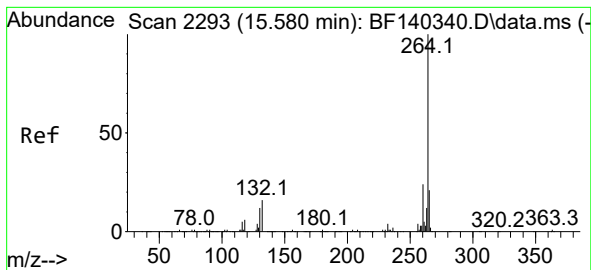
Tgt Ion:228 Resp: 155928
Ion Ratio Lower Upper
228 100
226 31.3 22.2 33.4
229 21.8 15.8 23.6



#83
Chrysene
Concen: 12.425 ng
RT: 14.069 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF140513.D
Acq: 20 Nov 2024 21:21

Tgt Ion:228 Resp: 155928
Ion Ratio Lower Upper
228 100
226 31.3 24.5 36.7
229 21.8 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF140513.D

Acq: 20 Nov 2024 21:21

Instrument :

BNA_F

ClientSampleId :

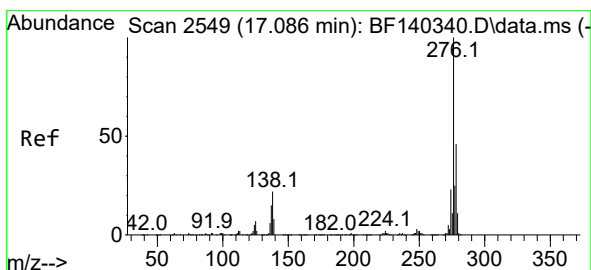
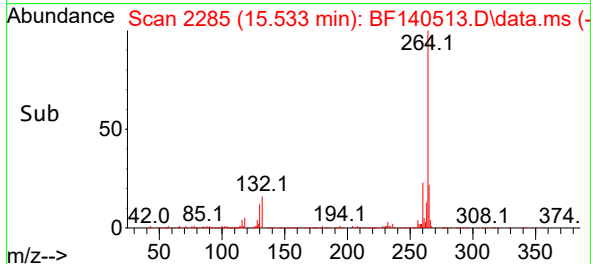
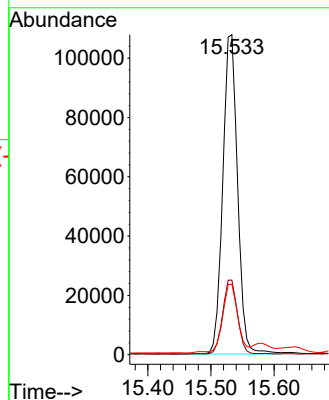
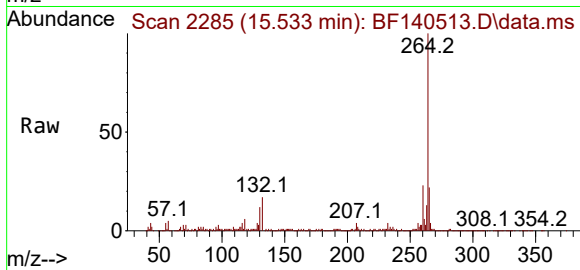
Tgt Ion:264 Resp: 175813

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 22.1 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.661 ng

RT: 17.027 min Scan# 2539

Delta R.T. -0.029 min

Lab File: BF140513.D

Acq: 20 Nov 2024 21:21

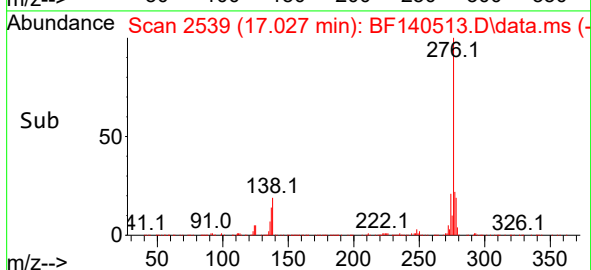
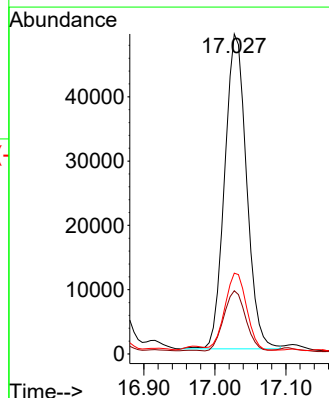
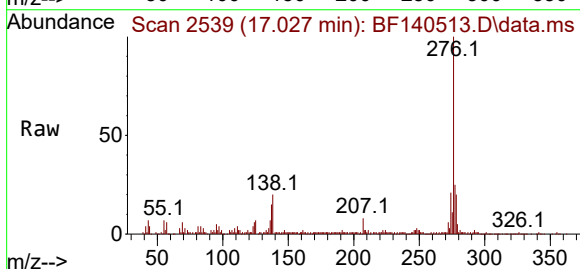
Tgt Ion:276 Resp: 104920

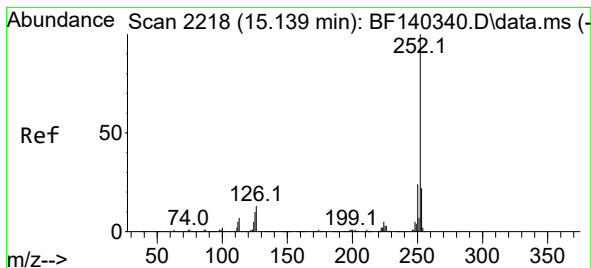
Ion Ratio Lower Upper

276 100

138 19.0 18.8 28.2

277 24.3 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 31.615 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.018 min

Lab File: BF140513.D

Acq: 20 Nov 2024 21:21

Instrument :

BNA_F

ClientSampleId :

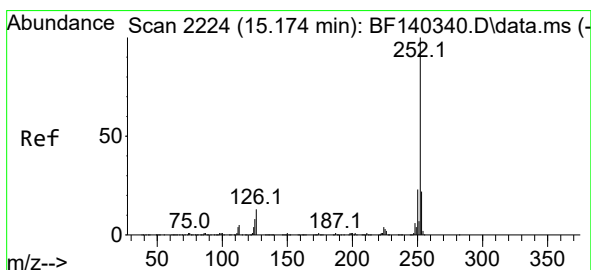
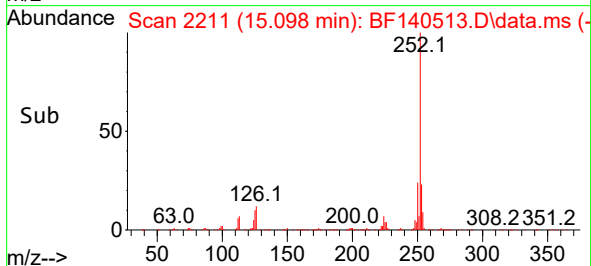
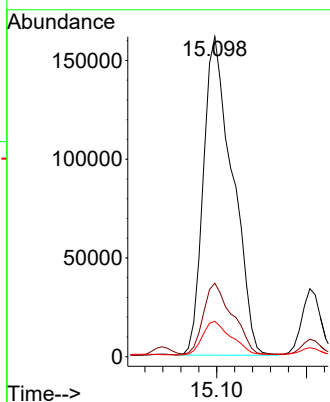
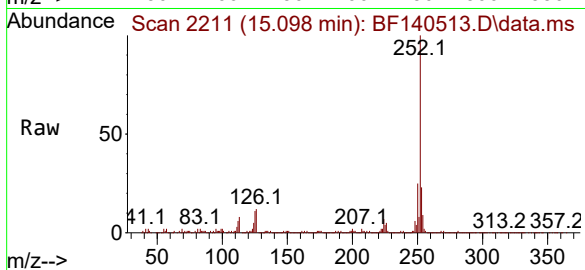
Tgt Ion:252 Resp: 363597

Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

125 11.1 8.0 12.0



#89

Benzo(k)fluoranthene

Concen: 38.700 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.053 min

Lab File: BF140513.D

Acq: 20 Nov 2024 21:21

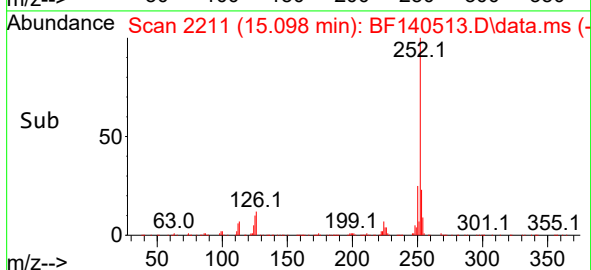
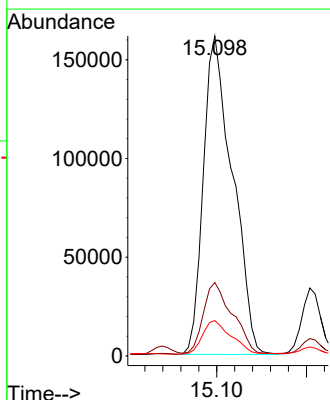
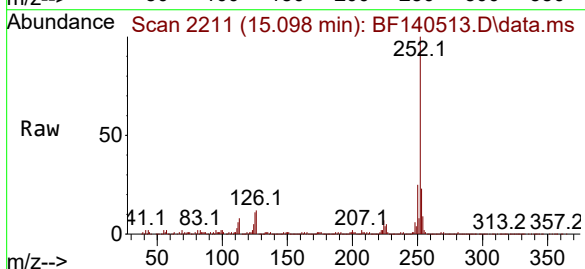
Tgt Ion:252 Resp: 363597

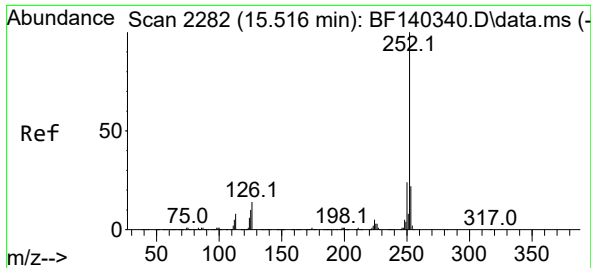
Ion Ratio Lower Upper

252 100

253 22.9 17.3 25.9

125 11.1 7.4 11.2

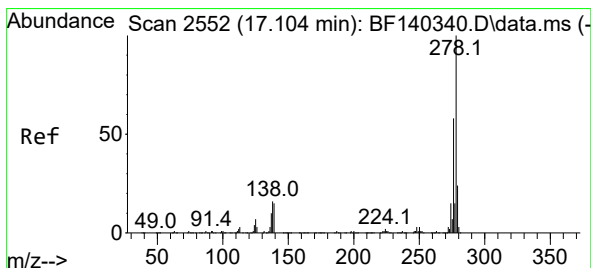
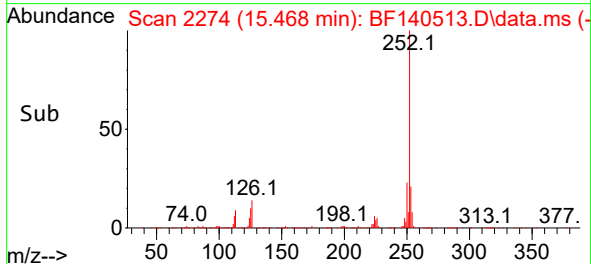
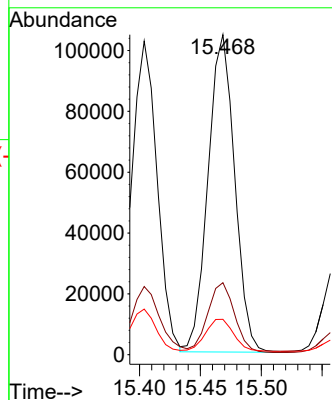
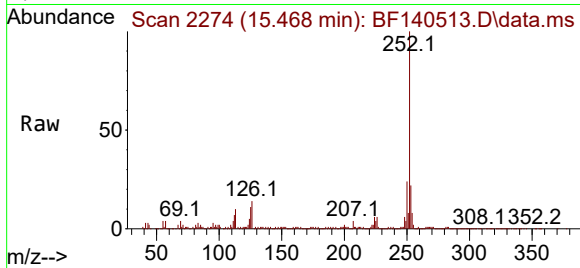




#90
Benzo(a)pyrene
Concen: 17.833 ng
RT: 15.468 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF140513.D
Acq: 20 Nov 2024 21:21

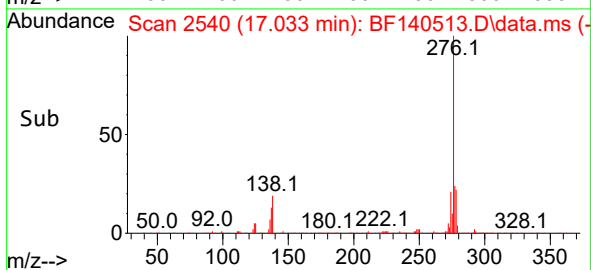
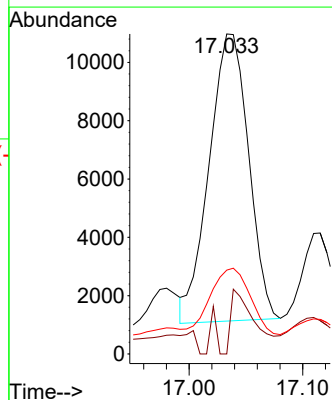
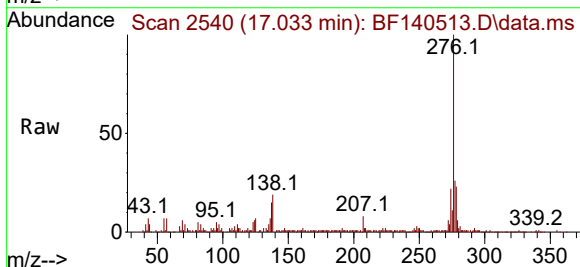
Instrument :
BNA_F
ClientSampleId :

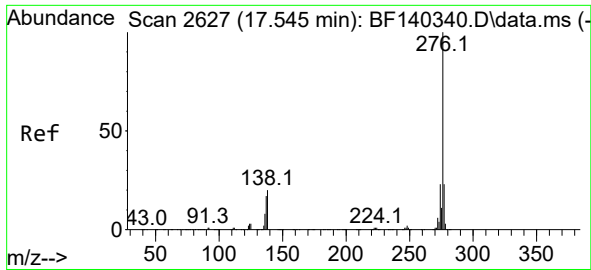
Tgt Ion:252 Resp: 159272
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 11.1 8.4 12.6



#91
Dibenzo(a,h)anthracene
Concen: 2.647 ng
RT: 17.033 min Scan# 2540
Delta R.T. -0.041 min
Lab File: BF140513.D
Acq: 20 Nov 2024 21:21

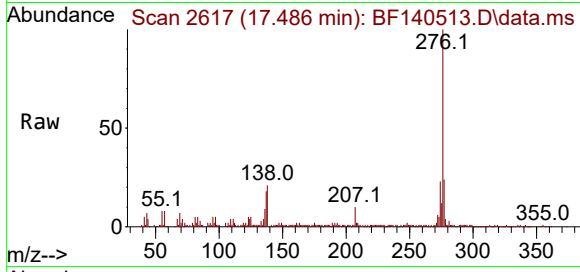
Tgt Ion:278 Resp: 23762
Ion Ratio Lower Upper
278 100
139 0.0 11.8 17.8#
279 26.2 18.9 28.3





#92
 Benzo(g,h,i)perylene
 Concen: 11.069 ng
 RT: 17.486 min Scan# 20
 Delta R.T. -0.029 min
 Lab File: BF140513.D
 Acq: 20 Nov 2024 21:21

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:276 Resp: 101583
 Ion Ratio Lower Upper
 276 100
 277 24.2 18.6 28.0
 138 20.7 16.0 24.0

