

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102924\
 Data File : BF140123.D
 Acq On : 29 Oct 2024 20:21
 Operator : RC/JU
 Sample : P4597-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RED-1-1

Quant Time: Oct 30 01:04:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

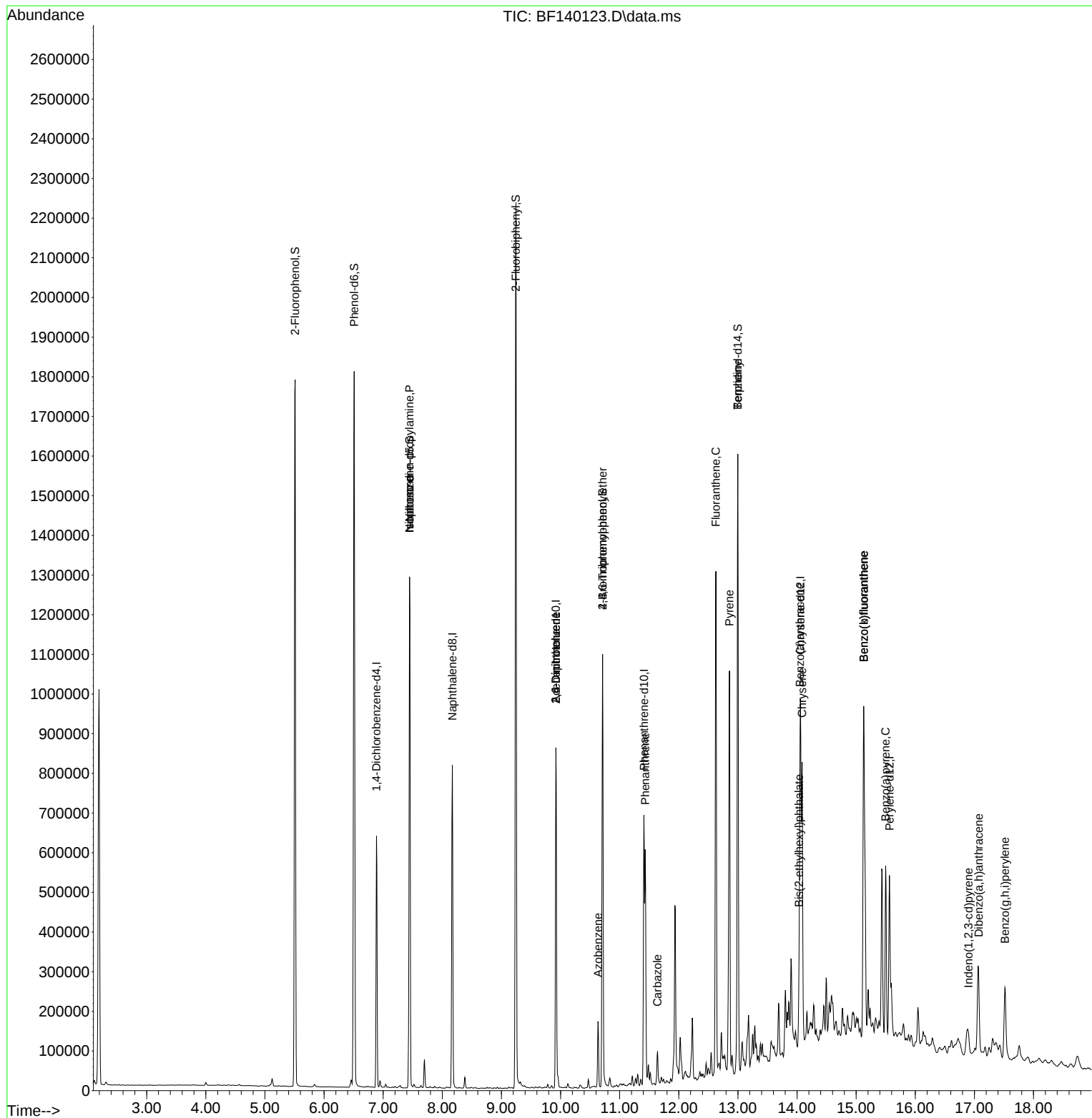
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	125217	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	481788	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	246693	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	351887	20.000	ng	0.00
76) Chrysene-d12	14.057	240	238166	20.000	ng	0.00
86) Perylene-d12	15.563	264	239712	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	670851	83.871	ng	0.01
7) Phenol-d6	6.510	99	857324	82.758	ng	0.00
23) Nitrobenzene-d5	7.445	82	578487	66.548	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	178234	77.242	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1021243	68.417	ng	0.00
79) Terphenyl-d14	12.998	244	750336	51.336	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	79237	12.611	ng	# 76
25) Isophorone	7.445	82	574444	34.817	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	32178	9.672	ng	# 22
57) 2,4-Dinitrotoluene	9.922	165	32178	7.865	ng	# 21
63) Azobenzene	10.633	77	41473	2.593	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	11883	3.278	ng	# 1
71) Phenanthrene	11.433	178	295442	17.775	ng	99
73) Carbazole	11.639	167	44795	2.970	ng	100
75) Fluoranthene	12.627	202	696043	41.423	ng	99
77) Benzidine	12.998	184	9779	2.497	ng	# 91
78) Pyrene	12.857	202	575339	27.598	ng	99
81) Benzo(a)anthracene	14.051	228	238386	15.376	ng	94
83) Chrysene	14.086	228	406803	28.618	ng	97
84) Bis(2-ethylhexyl)phtha...	14.033	149	43896	6.260	ng	# 98
87) Indeno(1,2,3-cd)pyrene	16.898	276	33105	2.147	ng	93
88) Benzo(b)fluoranthene	15.127	252	736710	50.452	ng	98
89) Benzo(k)fluoranthene	15.127	252	736710	58.501	ng	98
90) Benzo(a)pyrene	15.498	252	265816	22.123	ng	97
91) Dibenzo(a,h)anthracene	17.074	278	41091	3.194	ng	97
92) Benzo(g,h,i)perylene	17.515	276	165684	12.893	ng	100

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

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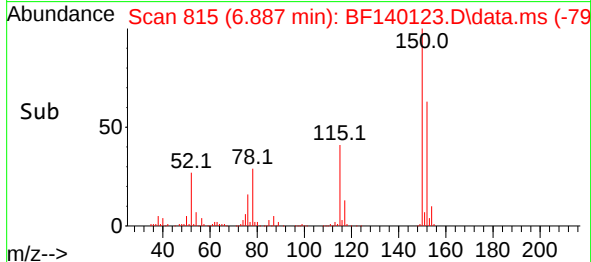
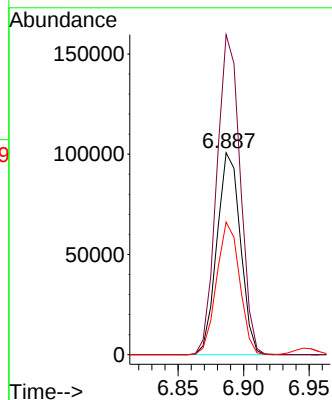
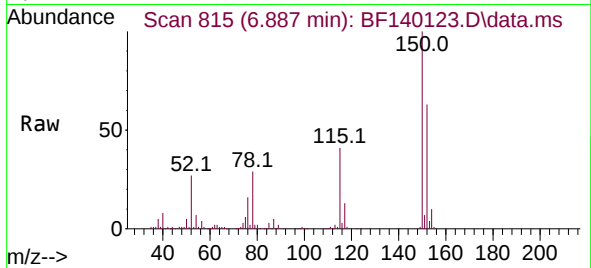




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140123.D
Acq: 29 Oct 2024 20:21

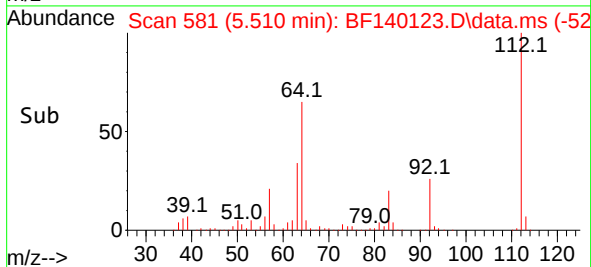
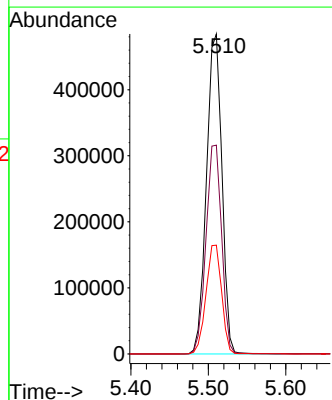
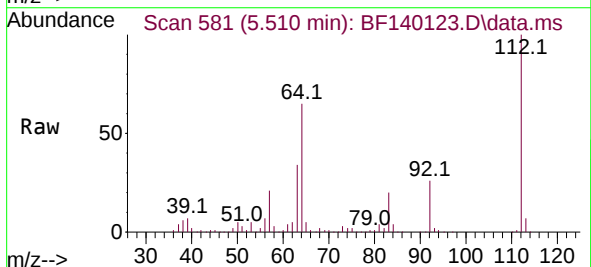
Instrument :
BNA_F
ClientSampleId :
RED-1-1

Tgt Ion:152 Resp: 125217
Ion Ratio Lower Upper
152 100
150 158.5 130.2 195.2
115 65.7 51.4 77.2



#5
2-Fluorophenol
Concen: 83.871 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF140123.D
Acq: 29 Oct 2024 20:21

Tgt Ion:112 Resp: 670851
Ion Ratio Lower Upper
112 100
64 65.3 53.0 79.6
63 34.0 27.0 40.4





#7
Phenol-d6
Concen: 82.758 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF140123.D
Acq: 29 Oct 2024 20:21

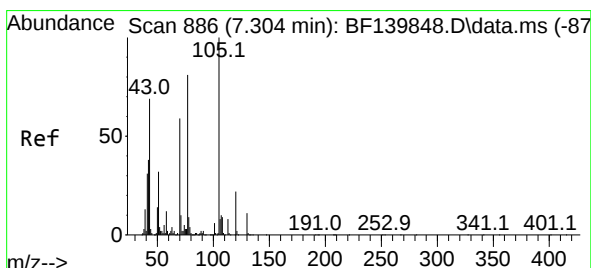
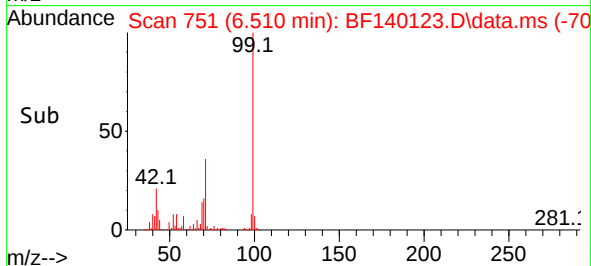
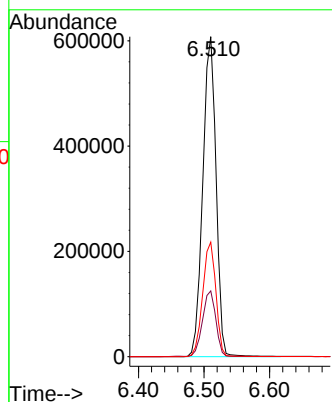
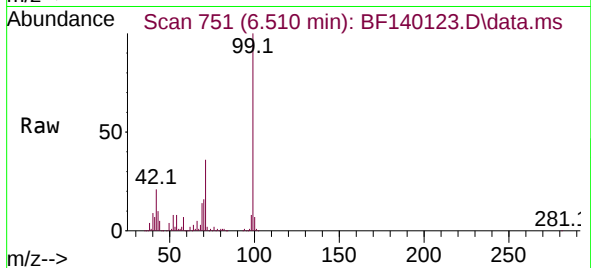
Instrument :

BNA_F

ClientSampleId :

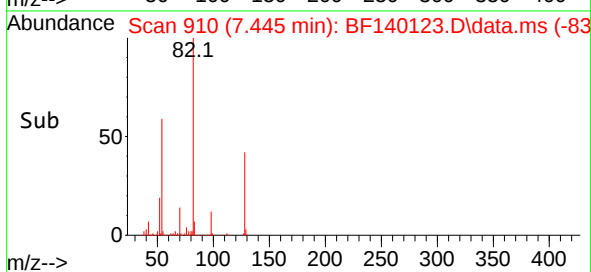
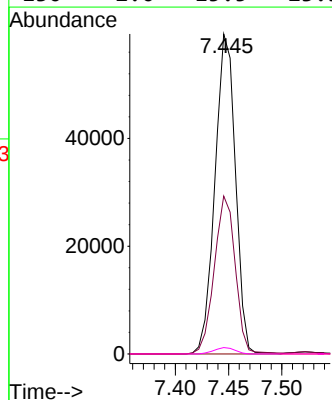
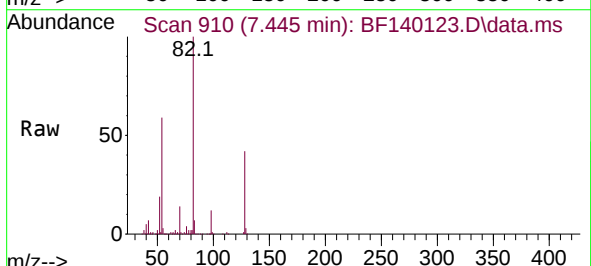
RED-1-1

Tgt Ion: 99 Resp: 857324
Ion Ratio Lower Upper
99 100
42 20.6 16.7 25.1
71 35.8 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 12.611 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF140123.D
Acq: 29 Oct 2024 20:21

Tgt Ion: 70 Resp: 79237
Ion Ratio Lower Upper
70 100
42 49.4 51.5 77.3#
101 0.0 7.5 11.3#
130 2.0 15.5 23.3#



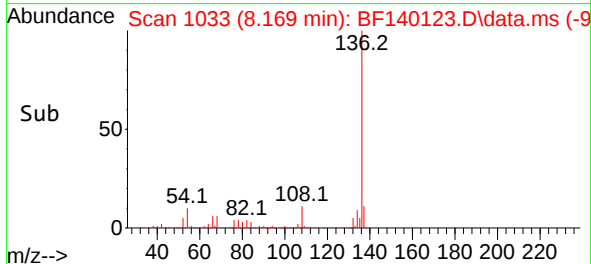
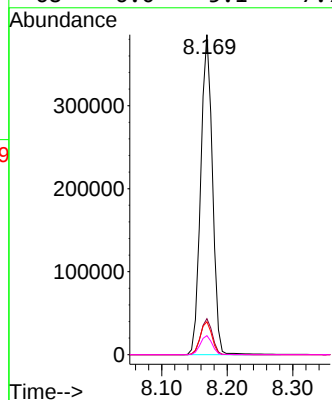
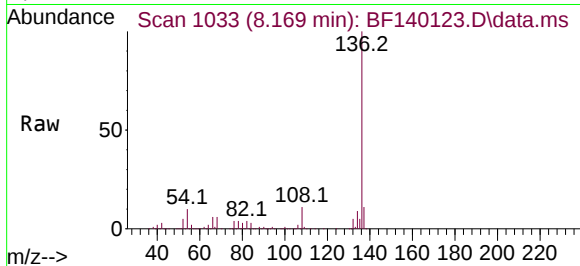


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF140123.D
Acq: 29 Oct 2024 20:21

Instrument :
BNA_F
ClientSampleId :
RED-1-1

Tgt Ion:136 Resp: 481788

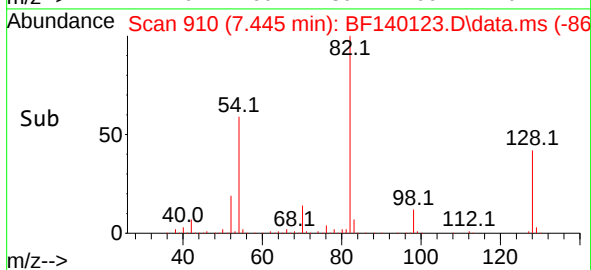
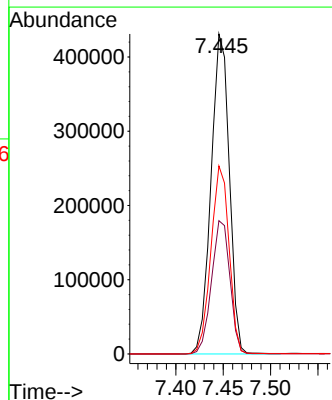
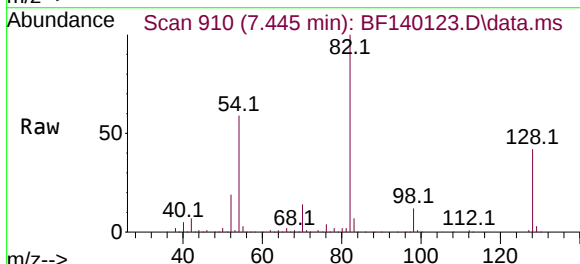
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	12.8
54	10.3	8.4	12.6
68	6.0	5.1	7.7



#23
Nitrobenzene-d5
Concen: 66.548 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF140123.D
Acq: 29 Oct 2024 20:21

Tgt Ion: 82 Resp: 578487

Ion	Ratio	Lower	Upper
82	100		
128	41.6	33.4	50.0
54	58.8	47.8	71.8

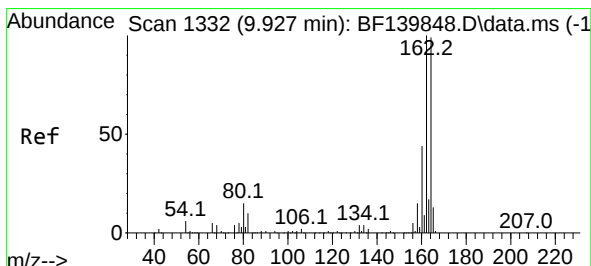
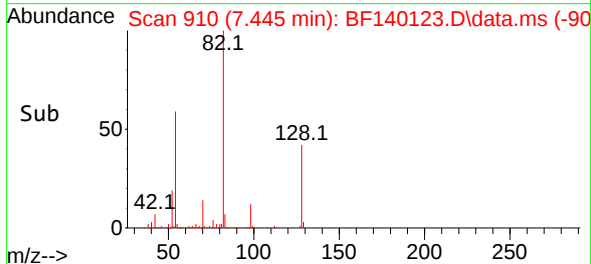
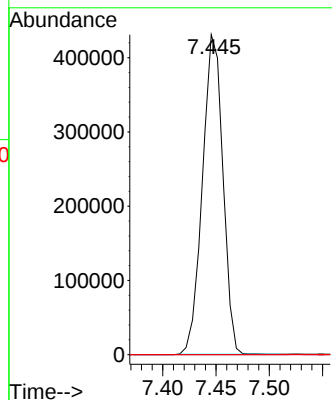
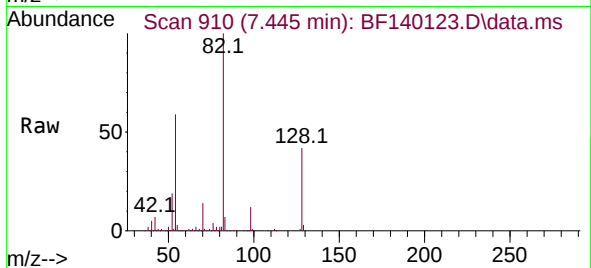




#25
Isophorone
Concen: 34.817 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.264 min
Lab File: BF140123.D
Acq: 29 Oct 2024 20:21

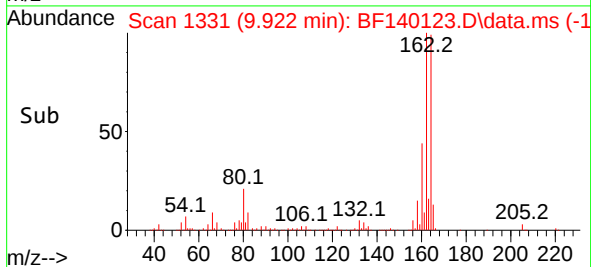
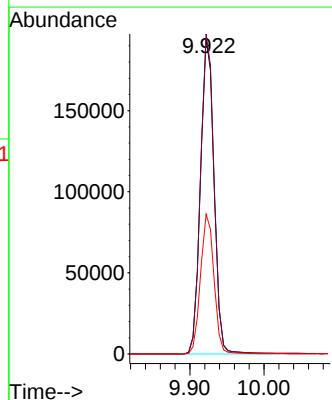
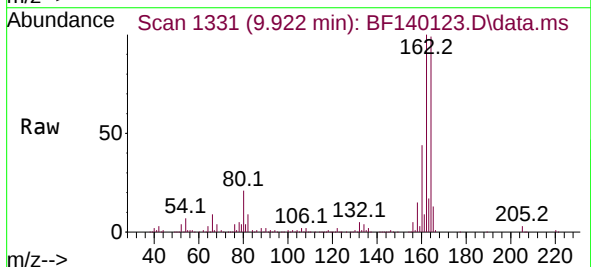
Instrument :
BNA_F
ClientSampleId :
RED-1-1

Tgt Ion: 82 Resp: 574444
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140123.D
Acq: 29 Oct 2024 20:21

Tgt Ion:164 Resp: 246693
Ion Ratio Lower Upper
164 100
162 101.3 81.0 121.4
160 44.2 35.4 53.0

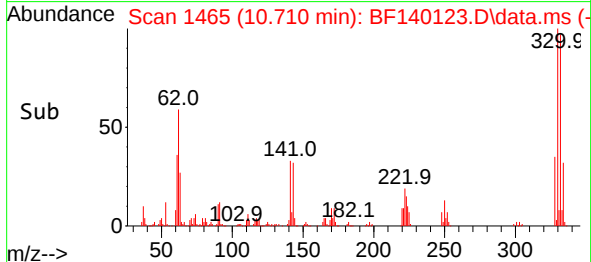
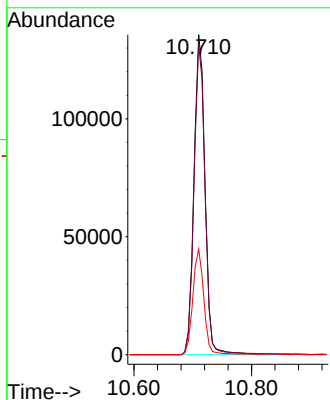
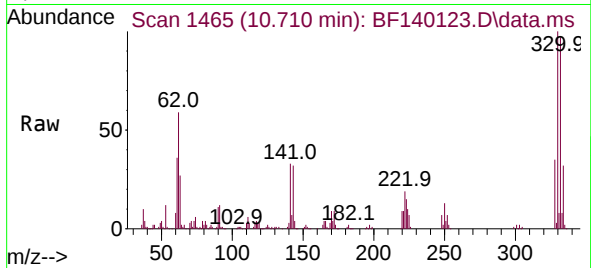




#42
2,4,6-Tribromophenol
Concen: 77.242 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF140123.D
Acq: 29 Oct 2024 20:21

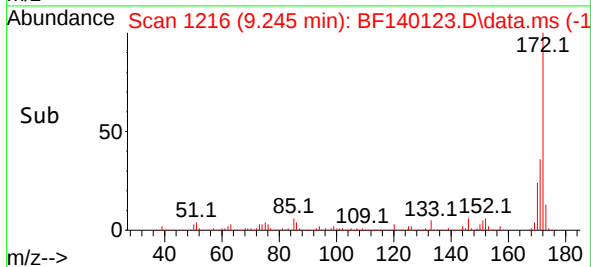
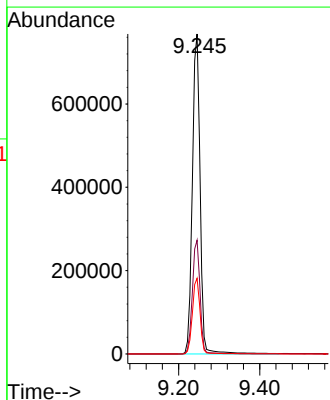
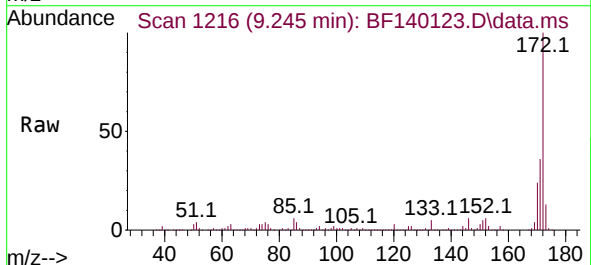
Instrument :
BNA_F
ClientSampleId :
RED-1-1

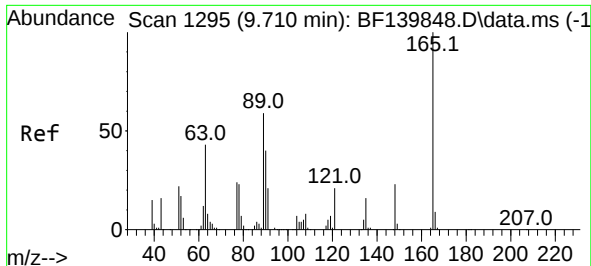
Tgt Ion:330 Resp: 178234
Ion Ratio Lower Upper
330 100
332 96.6 78.1 117.1
141 33.0 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 68.417 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF140123.D
Acq: 29 Oct 2024 20:21

Tgt Ion:172 Resp: 1021243
Ion Ratio Lower Upper
172 100
171 35.6 28.6 43.0
170 23.7 19.1 28.7

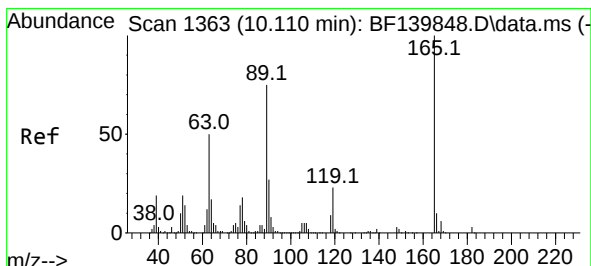
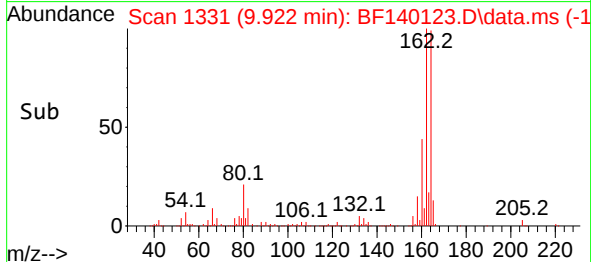
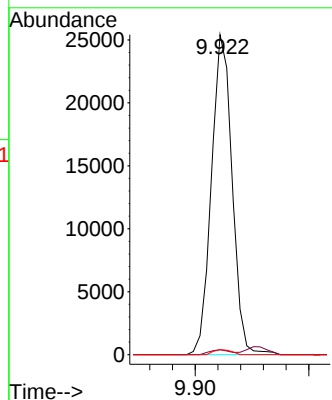
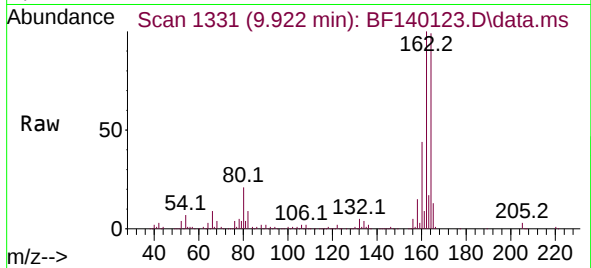




#51
2,6-Dinitrotoluene
Concen: 9.672 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF140123.D
Acq: 29 Oct 2024 20:21

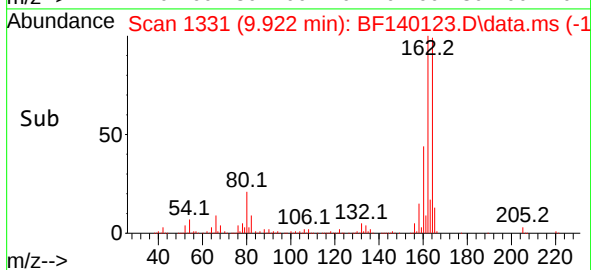
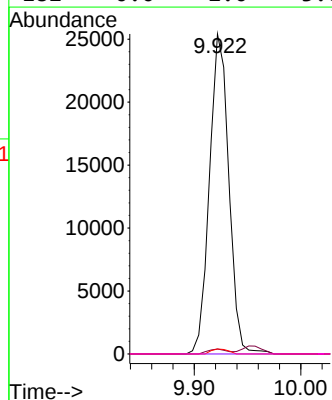
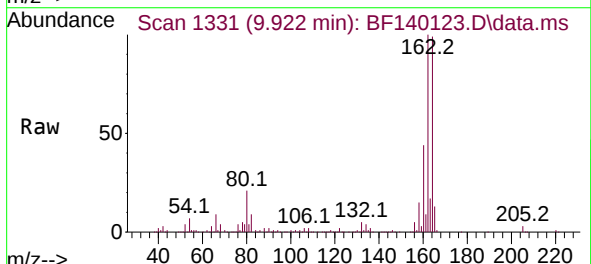
Instrument :
BNA_F
ClientSampleId :
RED-1-1

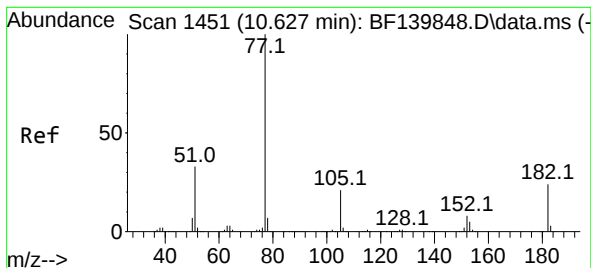
Tgt Ion:165 Resp: 32178
Ion Ratio Lower Upper
165 100
63 1.5 50.6 75.8#
89 1.5 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.865 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140123.D
Acq: 29 Oct 2024 20:21

Tgt Ion:165 Resp: 32178
Ion Ratio Lower Upper
165 100
63 1.5 40.1 60.1#
89 1.5 60.4 90.6#
182 0.0 2.0 3.0#





#63

Azobenzene

Concen: 2.593 ng

RT: 10.633 min Scan# 1451

Delta R.T. 0.006 min

Lab File: BF140123.D

Acq: 29 Oct 2024 20:21

Instrument :

BNA_F

ClientSampleId :

RED-1-1

Tgt Ion: 77 Resp: 41473

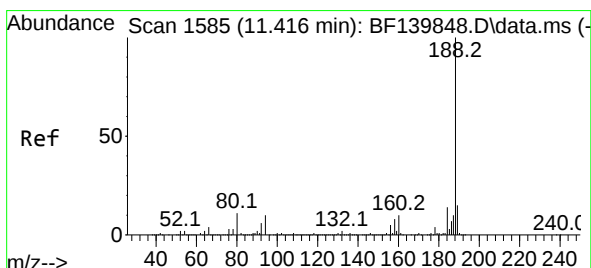
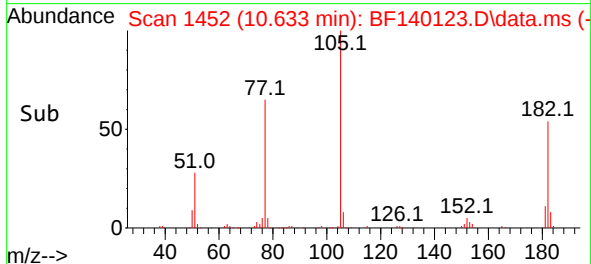
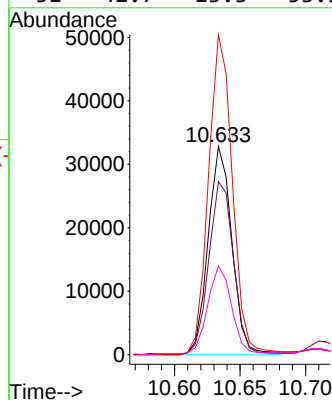
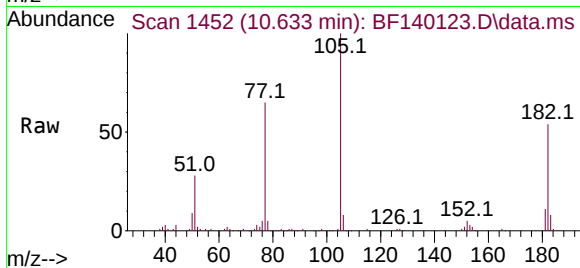
Ion Ratio Lower Upper

77 100

182 83.1 3.3 43.3#

105 153.8 1.2 41.2#

51 42.7 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.006 min

Lab File: BF140123.D

Acq: 29 Oct 2024 20:21

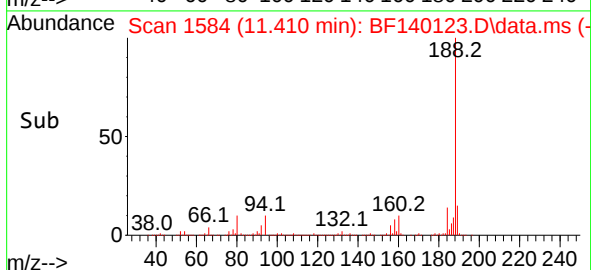
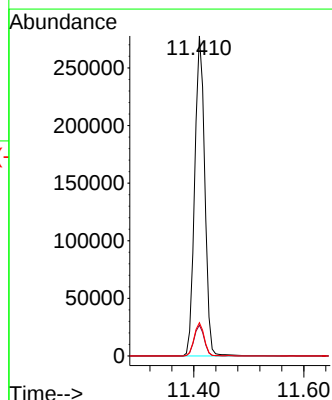
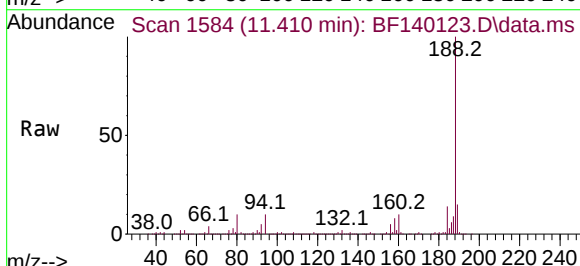
Tgt Ion: 188 Resp: 351887

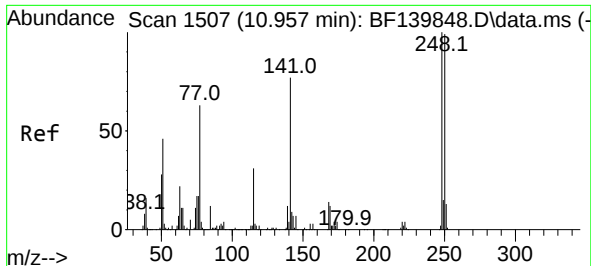
Ion Ratio Lower Upper

188 100

94 9.6 7.9 11.9

80 10.4 9.0 13.4





#67

4-Bromophenyl-phenylether

Concen: 3.278 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.247 min

Lab File: BF140123.D

Acq: 29 Oct 2024 20:21

Instrument :

BNA_F

ClientSampleId :

RED-1-1

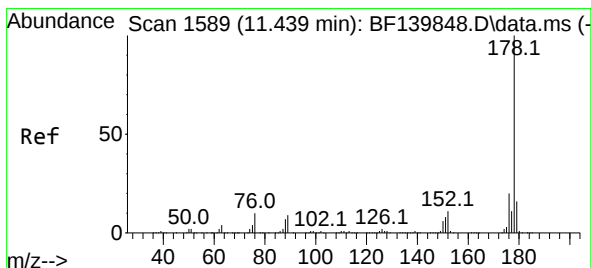
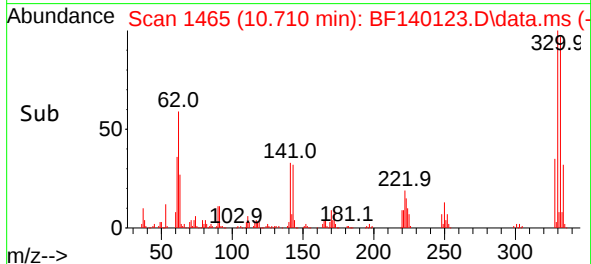
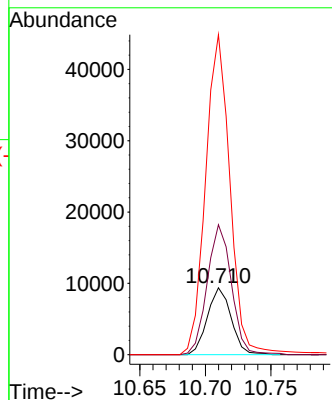
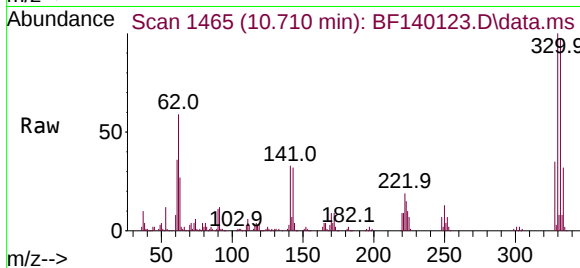
Tgt Ion:248 Resp: 11883

Ion Ratio Lower Upper

248 100

250 194.3 79.0 118.6#

141 478.5 61.7 92.5#



#71

Phenanthrene

Concen: 17.775 ng

RT: 11.433 min Scan# 1588

Delta R.T. -0.006 min

Lab File: BF140123.D

Acq: 29 Oct 2024 20:21

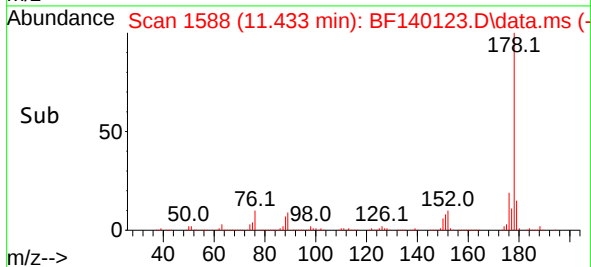
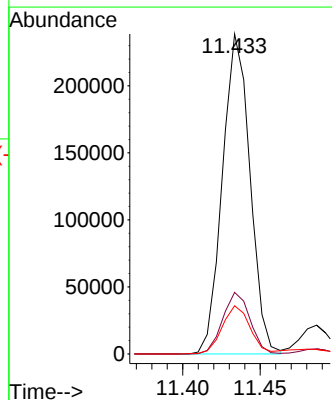
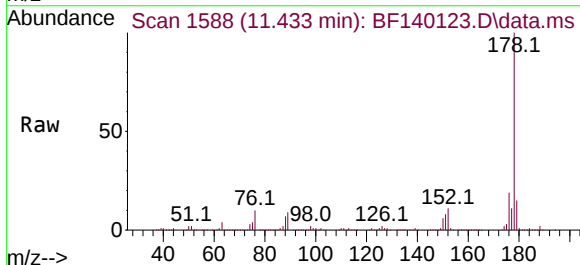
Tgt Ion:178 Resp: 295442

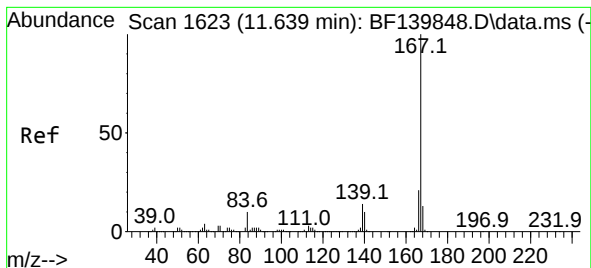
Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.6

179 15.1 12.6 18.8





#73

Carbazole

Concen: 2.970 ng

RT: 11.639 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF140123.D

Acq: 29 Oct 2024 20:21

Instrument :

BNA_F

ClientSampleId :

RED-1-1

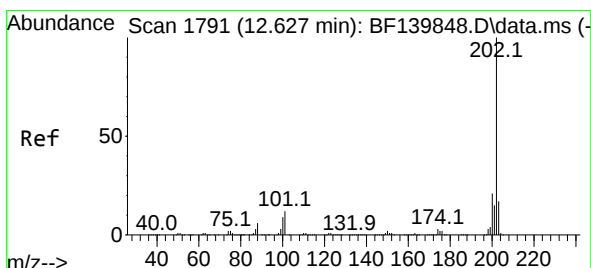
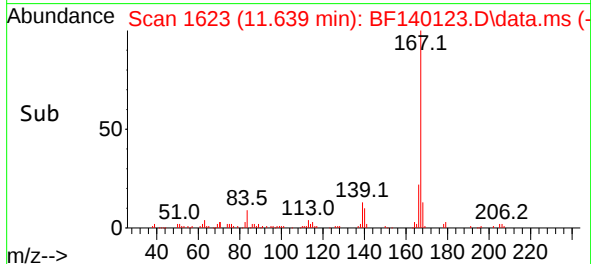
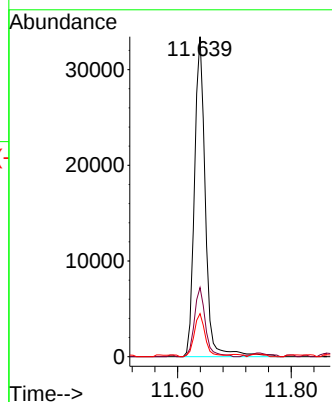
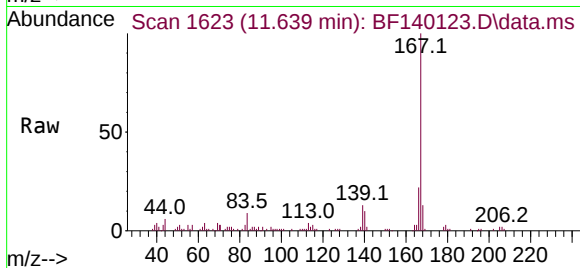
Tgt Ion:167 Resp: 44795

Ion Ratio Lower Upper

167 100

166 21.6 17.0 25.6

139 13.4 10.8 16.2



#75

Fluoranthene

Concen: 41.423 ng

RT: 12.627 min Scan# 1791

Delta R.T. 0.000 min

Lab File: BF140123.D

Acq: 29 Oct 2024 20:21

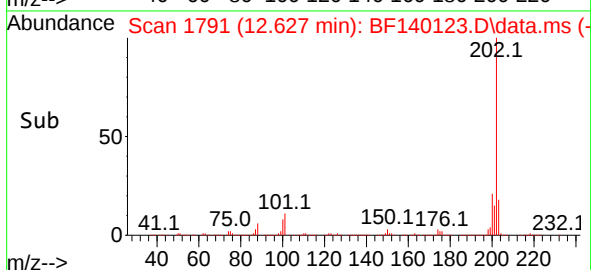
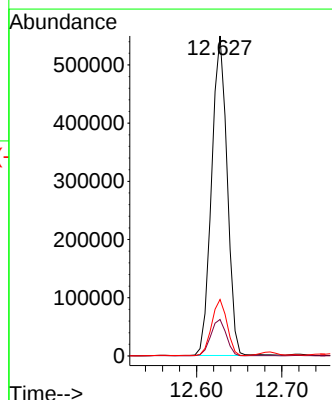
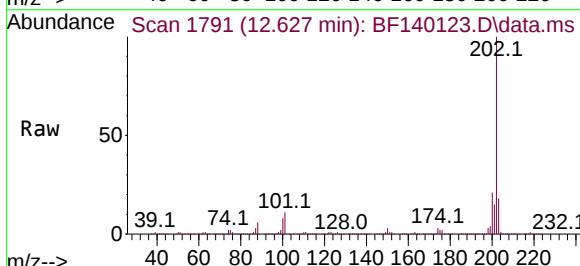
Tgt Ion:202 Resp: 696043

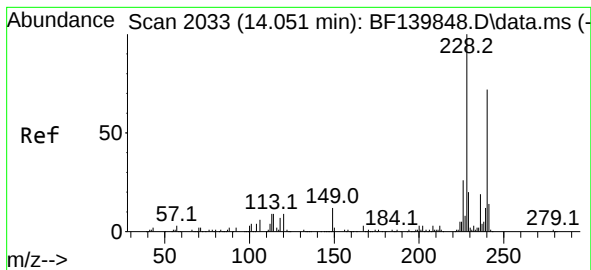
Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.9

203 17.6 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2033

Delta R.T. 0.006 min

Lab File: BF140123.D

Acq: 29 Oct 2024 20:21

Instrument :

BNA_F

ClientSampleId :

RED-1-1

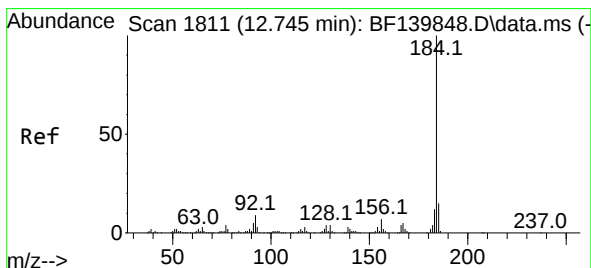
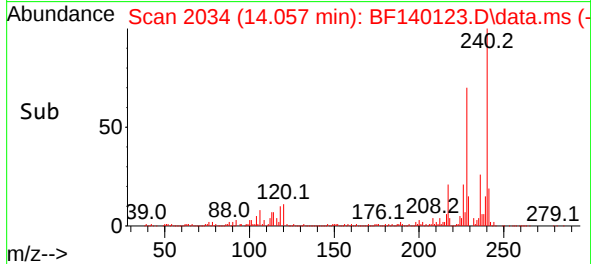
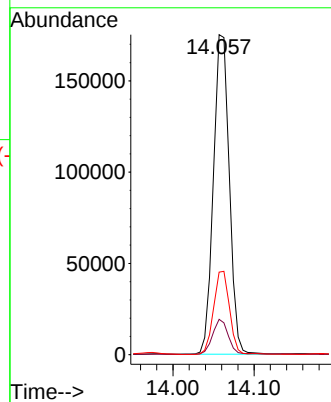
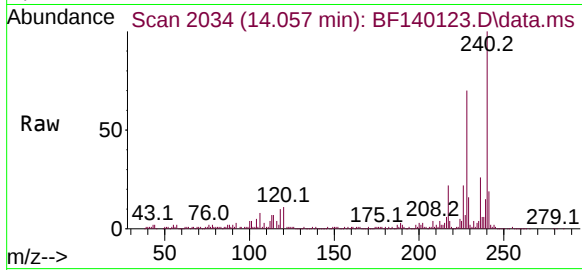
Tgt Ion:240 Resp: 238166

Ion Ratio Lower Upper

240 100

120 11.0 9.4 14.2

236 25.8 20.9 31.3



#77

Benzidine

Concen: 2.497 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.253 min

Lab File: BF140123.D

Acq: 29 Oct 2024 20:21

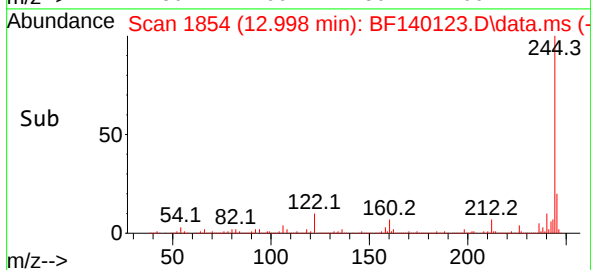
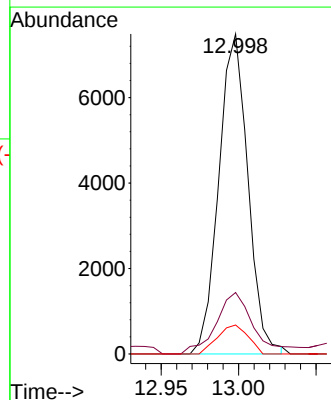
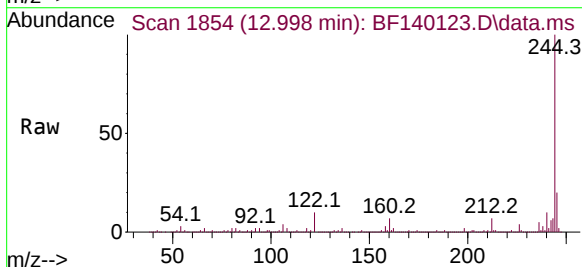
Tgt Ion:184 Resp: 9779

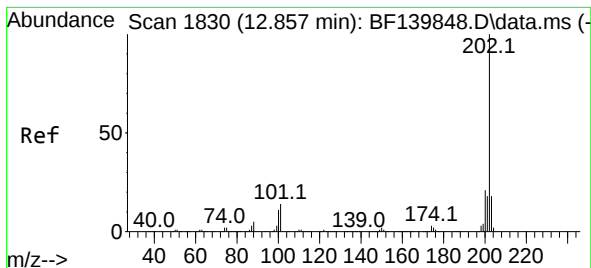
Ion Ratio Lower Upper

184 100

185 19.2 12.0 18.0#

183 9.0 9.4 14.2#





#78

Pyrene

Concen: 27.598 ng

RT: 12.857 min Scan# 1830

Delta R.T. 0.000 min

Lab File: BF140123.D

Acq: 29 Oct 2024 20:21

Instrument :

BNA_F

ClientSampleId :

RED-1-1

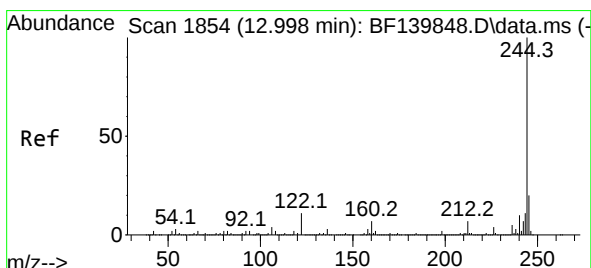
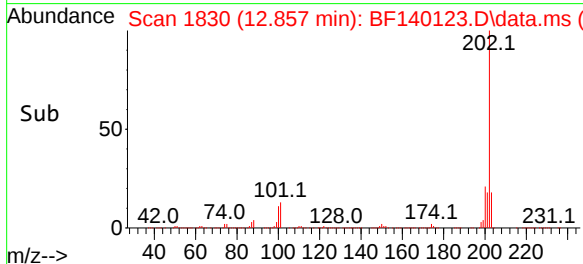
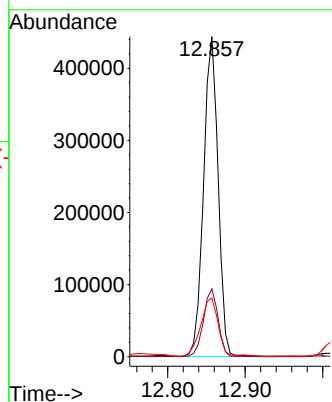
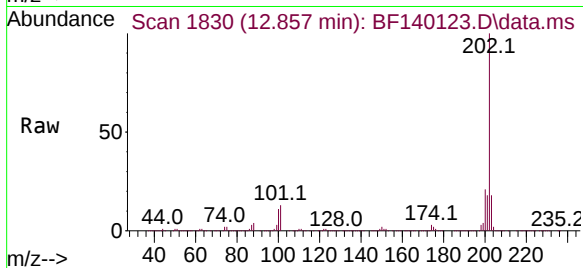
Tgt Ion:202 Resp: 575339

Ion Ratio Lower Upper

202 100

200 21.2 17.2 25.8

203 18.3 14.2 21.4



#79

Terphenyl-d14

Concen: 51.336 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF140123.D

Acq: 29 Oct 2024 20:21

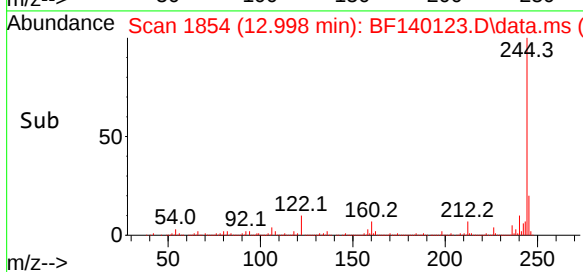
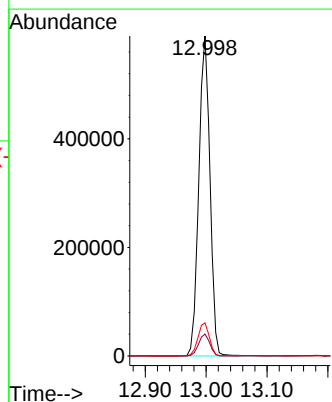
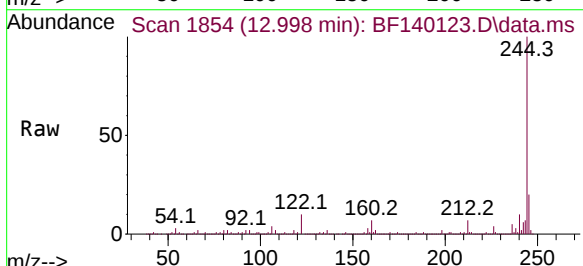
Tgt Ion:244 Resp: 750336

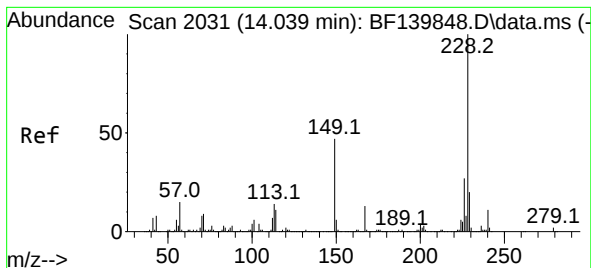
Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

122 10.4 8.6 13.0





#81

Benzo(a)anthracene

Concen: 15.376 ng

RT: 14.051 min Scan# 2031

Delta R.T. 0.012 min

Lab File: BF140123.D

Acq: 29 Oct 2024 20:21

Instrument :

BNA_F

ClientSampleId :

RED-1-1

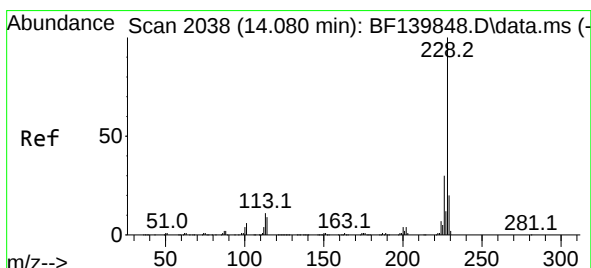
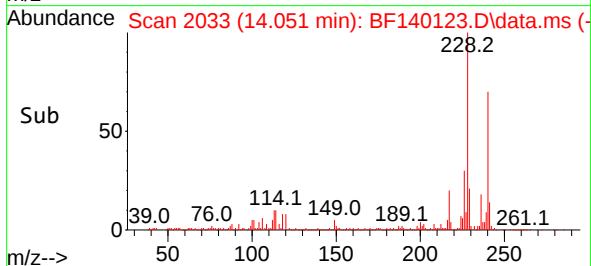
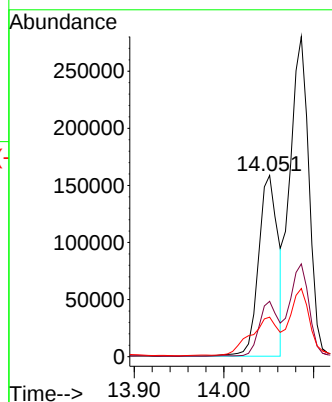
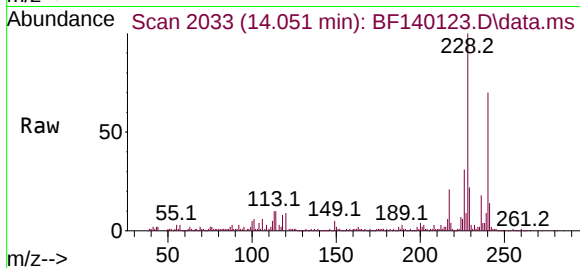
Tgt Ion:228 Resp: 238386

Ion Ratio Lower Upper

228 100

226 30.5 21.6 32.4

229 21.8 16.1 24.1



#83

Chrysene

Concen: 28.618 ng

RT: 14.086 min Scan# 2039

Delta R.T. 0.006 min

Lab File: BF140123.D

Acq: 29 Oct 2024 20:21

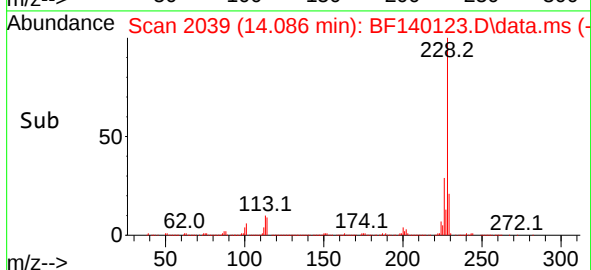
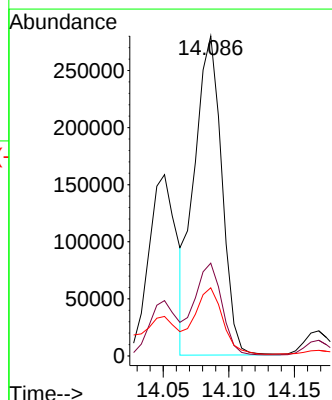
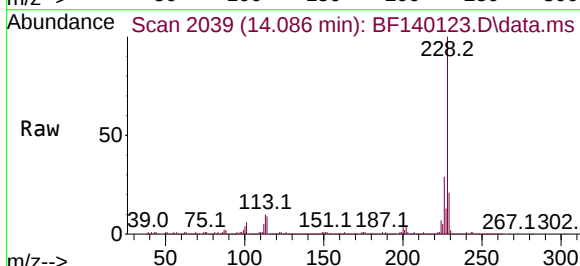
Tgt Ion:228 Resp: 406803

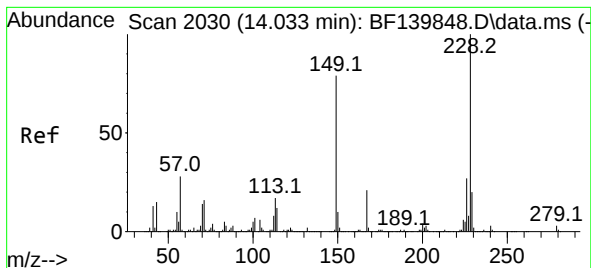
Ion Ratio Lower Upper

228 100

226 29.0 24.1 36.1

229 21.3 15.8 23.6

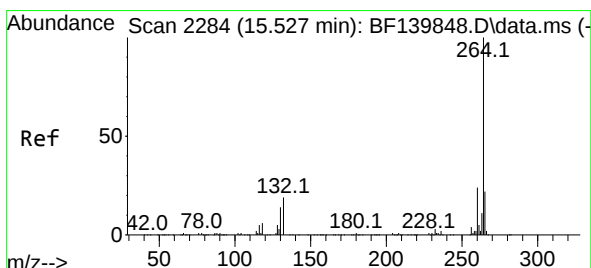
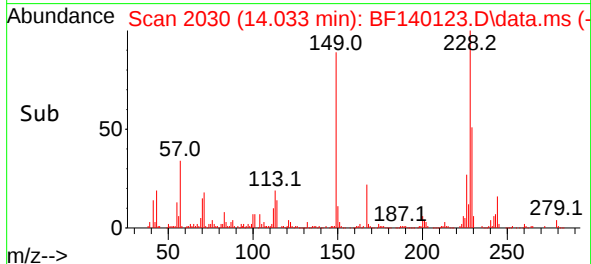
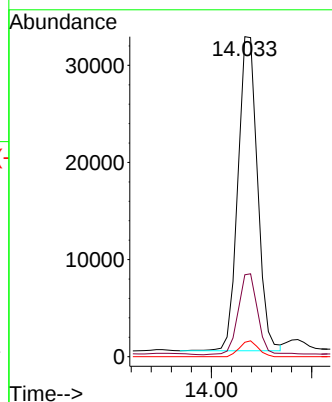
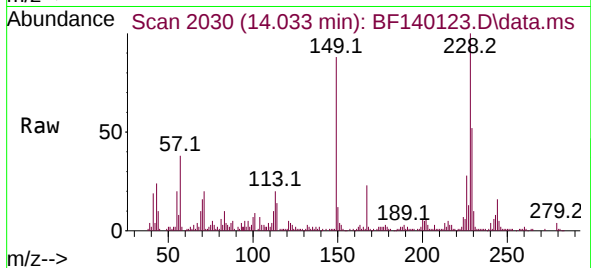




#84
Bis(2-ethylhexyl)phthalate
Concen: 6.260 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF140123.D
Acq: 29 Oct 2024 20:21

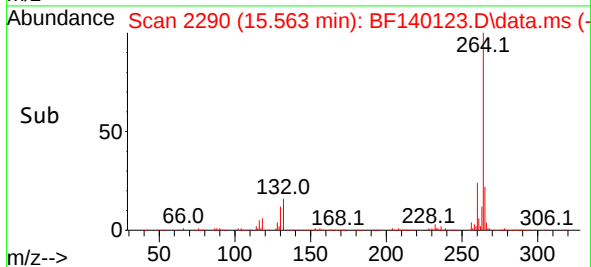
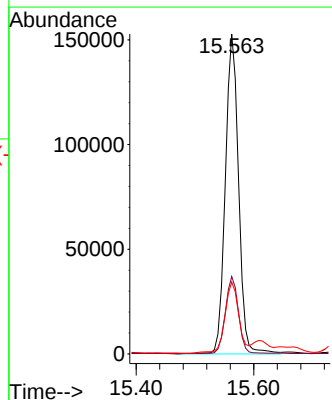
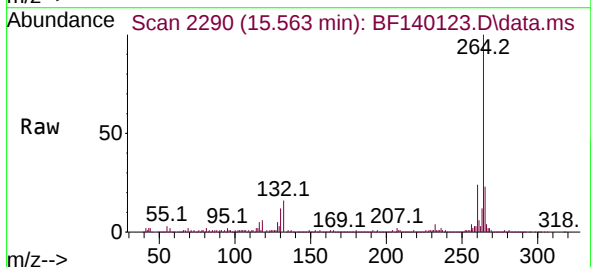
Instrument :
BNA_F
ClientSampleId :
RED-1-1

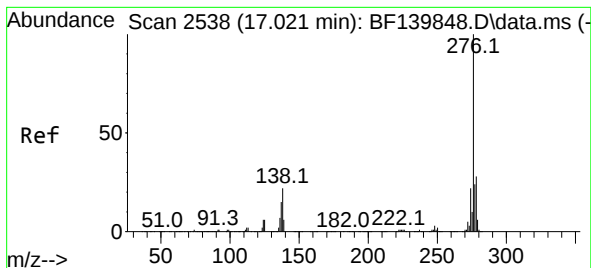
Tgt Ion:149 Resp: 43896
Ion Ratio Lower Upper
149 100
167 25.6 21.4 32.0
279 4.5 3.0 4.4#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2290
Delta R.T. 0.036 min
Lab File: BF140123.D
Acq: 29 Oct 2024 20:21

Tgt Ion:264 Resp: 239712
Ion Ratio Lower Upper
264 100
260 24.2 19.4 29.2
265 22.5 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.147 ng

RT: 16.898 min Scan# 21

Delta R.T. -0.123 min

Lab File: BF140123.D

Acq: 29 Oct 2024 20:21

Instrument :

BNA_F

ClientSampleId :

RED-1-1

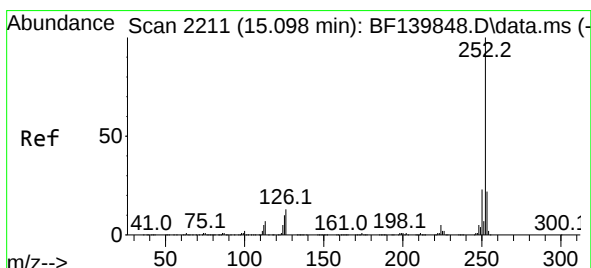
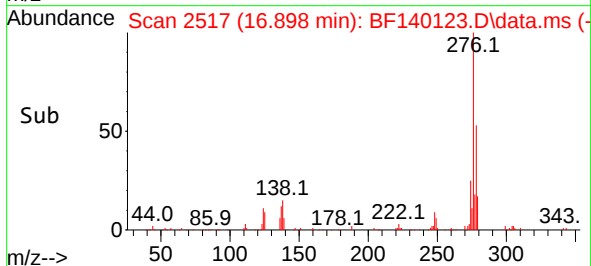
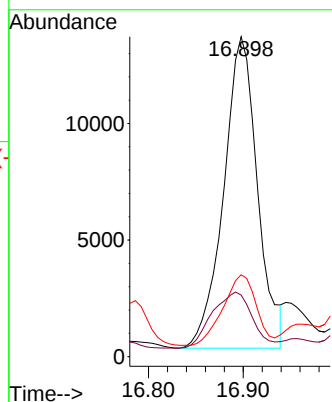
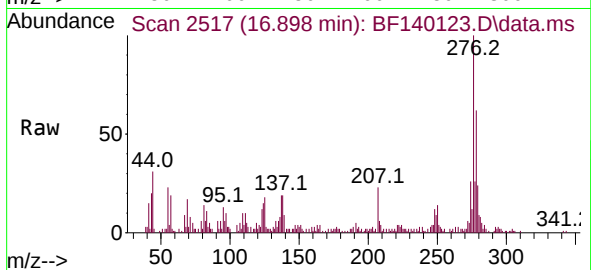
Tgt Ion:276 Resp: 33105

Ion Ratio Lower Upper

276 100

138 21.4 20.4 30.6

277 22.3 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 50.452 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.030 min

Lab File: BF140123.D

Acq: 29 Oct 2024 20:21

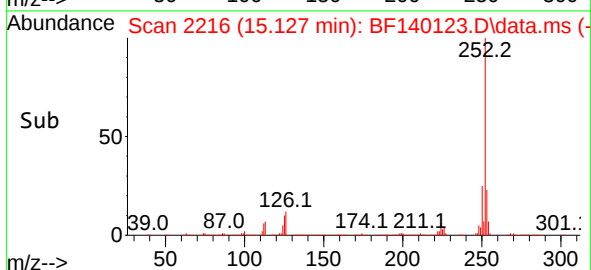
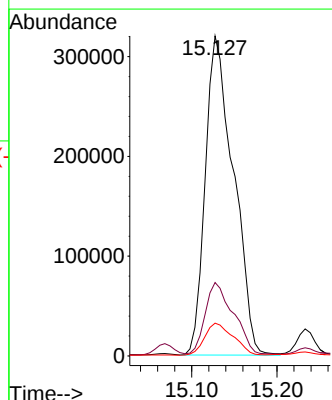
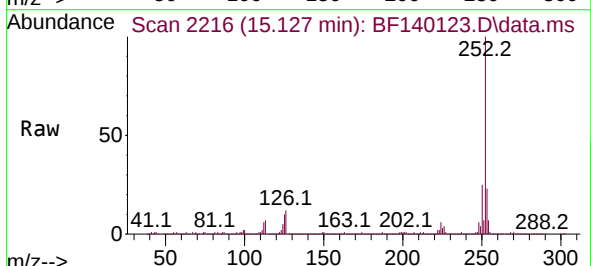
Tgt Ion:252 Resp: 736710

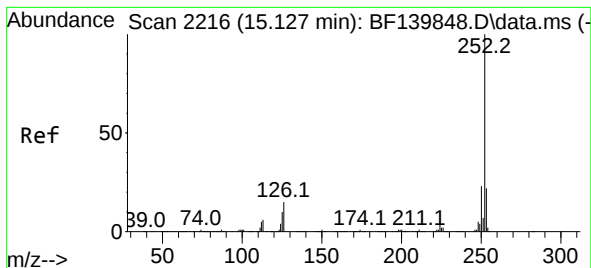
Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

125 10.2 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 58.501 ng

RT: 15.127 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF140123.D

Acq: 29 Oct 2024 20:21

Instrument :

BNA_F

ClientSampleId :

RED-1-1

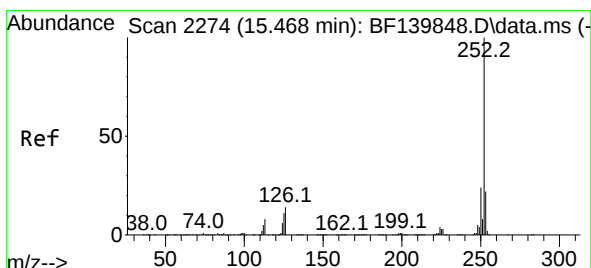
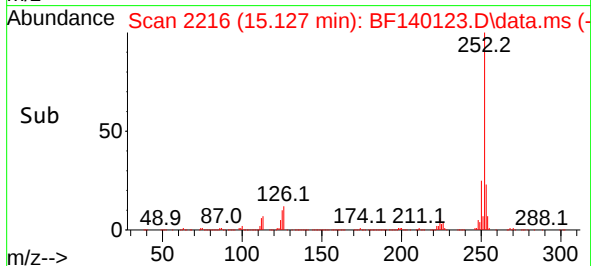
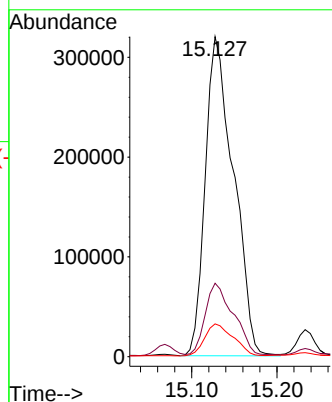
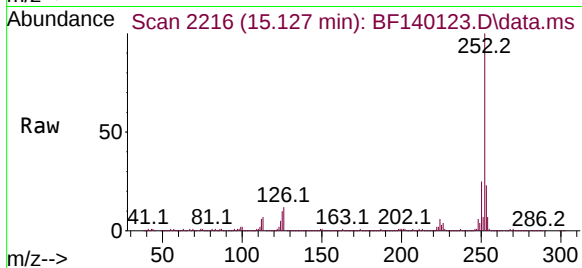
Tgt Ion:252 Resp: 736710

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

125 10.2 7.9 11.9



#90

Benzo(a)pyrene

Concen: 22.123 ng

RT: 15.498 min Scan# 2279

Delta R.T. 0.030 min

Lab File: BF140123.D

Acq: 29 Oct 2024 20:21

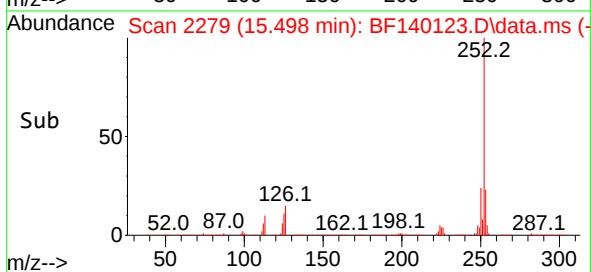
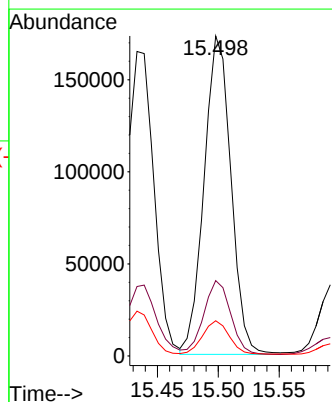
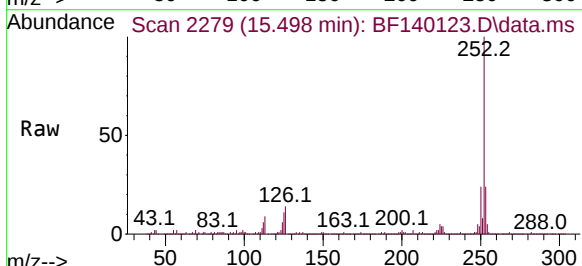
Tgt Ion:252 Resp: 265816

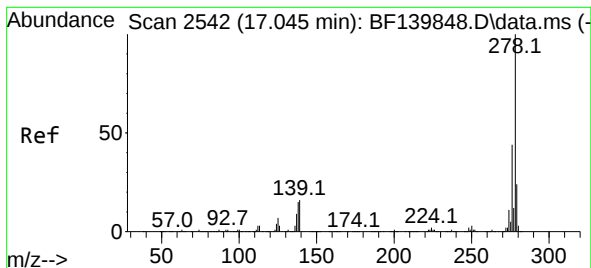
Ion Ratio Lower Upper

252 100

253 23.5 17.3 25.9

125 11.0 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 3.194 ng

RT: 17.074 min Scan# 2

Delta R.T. 0.030 min

Lab File: BF140123.D

Acq: 29 Oct 2024 20:21

Instrument :

BNA_F

ClientSampleId :

RED-1-1

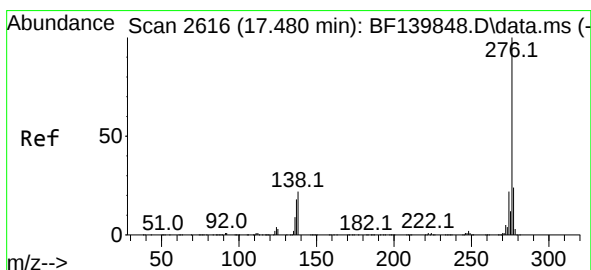
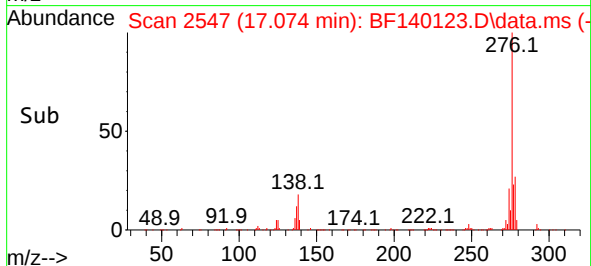
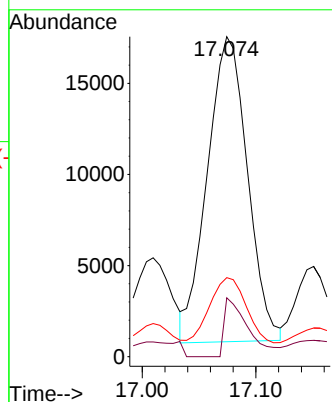
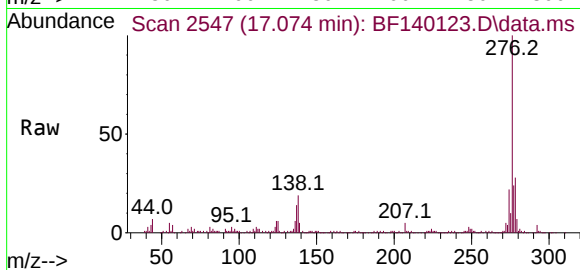
Tgt Ion:278 Resp: 41091

Ion Ratio Lower Upper

278 100

139 18.4 13.1 19.7

279 24.7 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 12.893 ng

RT: 17.515 min Scan# 2622

Delta R.T. 0.036 min

Lab File: BF140123.D

Acq: 29 Oct 2024 20:21

Tgt Ion:276 Resp: 165684

Ion Ratio Lower Upper

276 100

277 23.8 19.0 28.6

138 21.2 17.4 26.0

