

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
 Data File : BF140068.D
 Acq On : 26 Oct 2024 19:09
 Operator : RC/JU
 Sample : P4460-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WB-303-TOP

Quant Time: Oct 28 01:10:00 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)

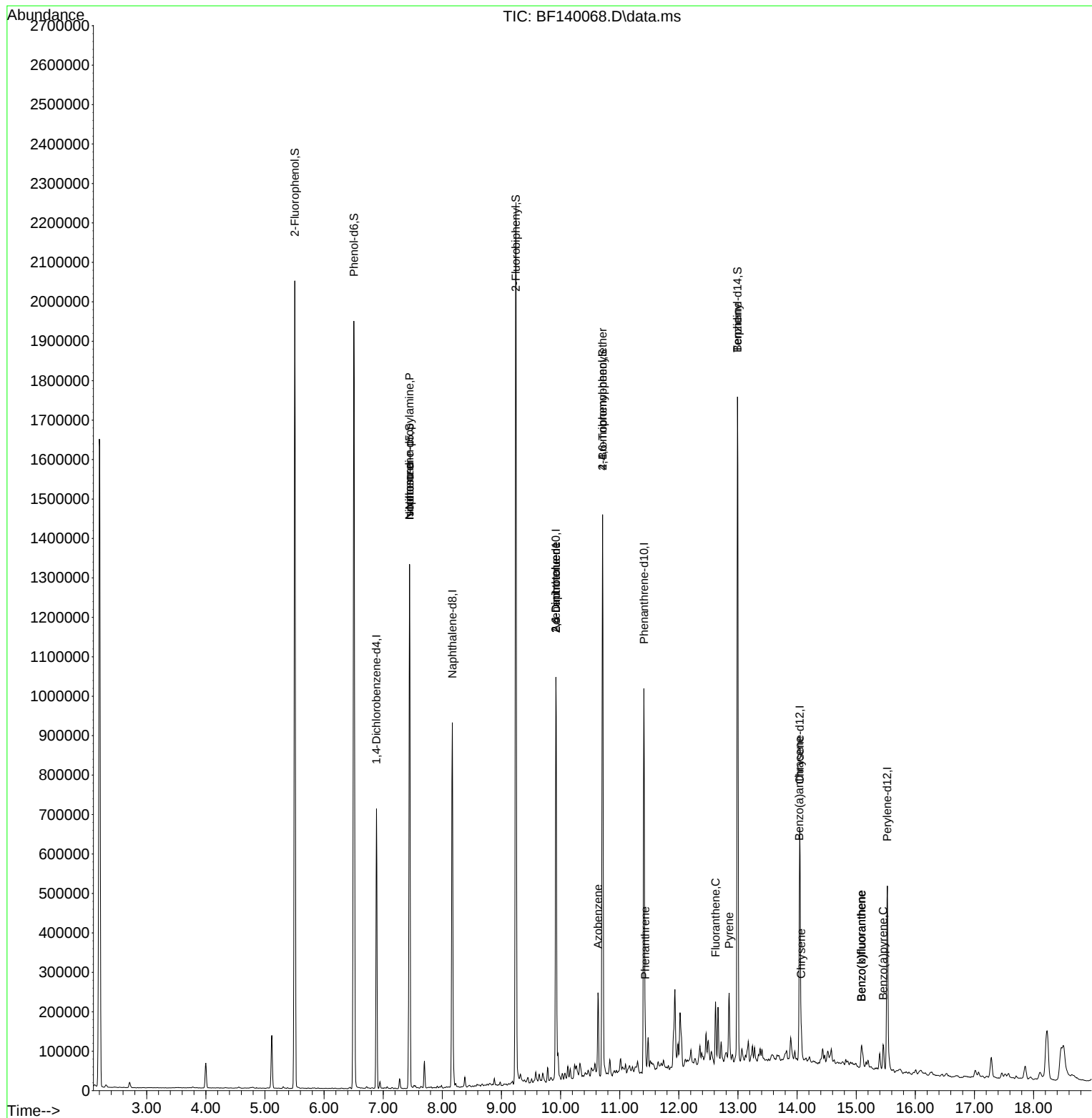
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	142022	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	554829	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	315069	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	502958	20.000	ng	0.00
76) Chrysene-d12	14.045	240	252281	20.000	ng	0.00
86) Perylene-d12	15.527	264	282696	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	761696	83.961	ng	0.00
7) Phenol-d6	6.504	99	974385	82.928	ng	0.00
23) Nitrobenzene-d5	7.445	82	596551	59.591	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	242295	82.216	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1050774	55.118	ng	0.00
79) Terphenyl-d14	12.992	244	837874	54.118	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	80958	11.361	ng	# 76
25) Isophorone	7.445	82	591952	31.155	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	42437	9.987	ng	# 22
57) 2,4-Dinitrotoluene	9.922	165	42437	8.121	ng	# 21
63) Azobenzene	10.633	77	51023	2.498	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	15874	3.064	ng	# 1
71) Phenanthrene	11.433	178	52803	2.223	ng	97
75) Fluoranthene	12.621	202	78278	3.259	ng	99
77) Benzidine	12.992	184	11012	2.655	ng	96
78) Pyrene	12.851	202	97847	4.431	ng	98
81) Benzo(a)anthracene	14.039	228	47020	2.863	ng	# 79
83) Chrysene	14.068	228	36661	2.435	ng	# 92
88) Benzo(b)fluoranthene	15.092	252	51607	2.997	ng	# 94
89) Benzo(k)fluoranthene	15.092	252	51607	3.475	ng	# 94
90) Benzo(a)pyrene	15.456	252	40332	2.846	ng	94

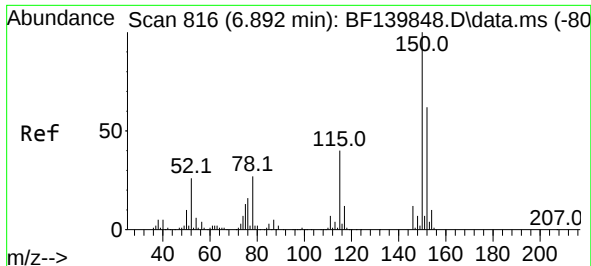
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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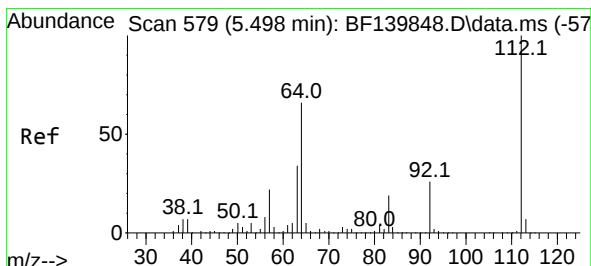
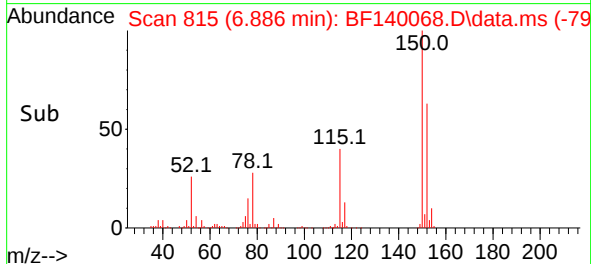
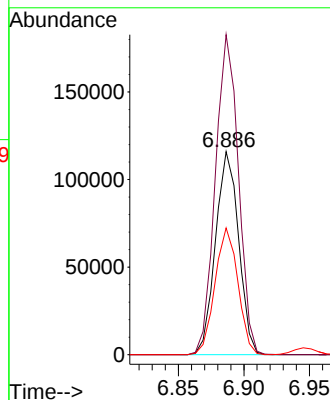
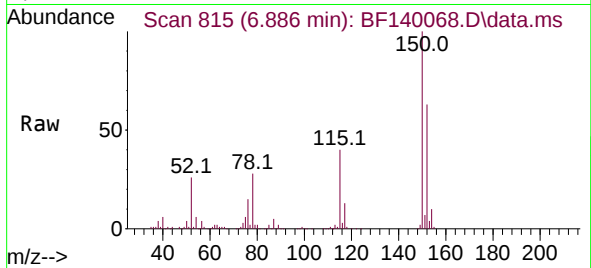




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

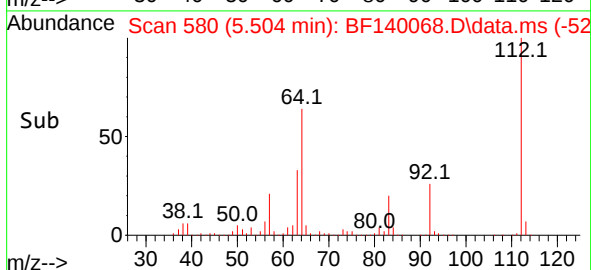
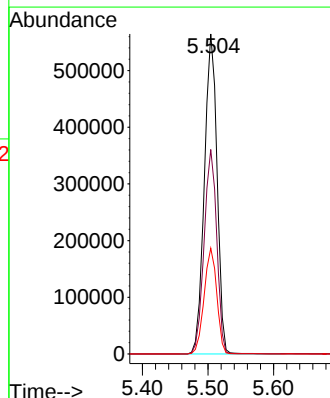
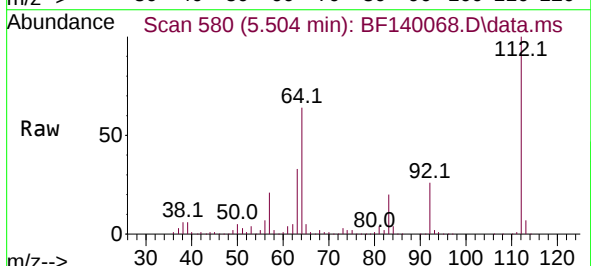
Instrument :
BNA_F
ClientSampleId :
WB-303-TOP

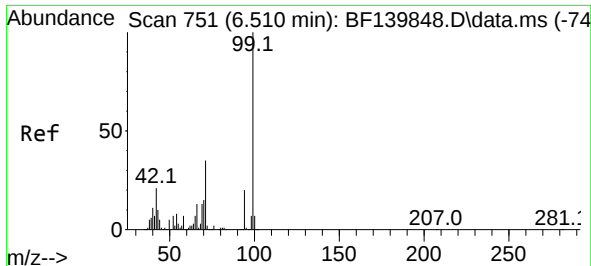
Tgt Ion:152 Resp: 142022
Ion Ratio Lower Upper
152 100
150 157.6 130.2 195.2
115 62.4 51.4 77.2



#5
2-Fluorophenol
Concen: 83.961 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

Tgt Ion:112 Resp: 761696
Ion Ratio Lower Upper
112 100
64 63.9 53.0 79.6
63 33.1 27.0 40.4

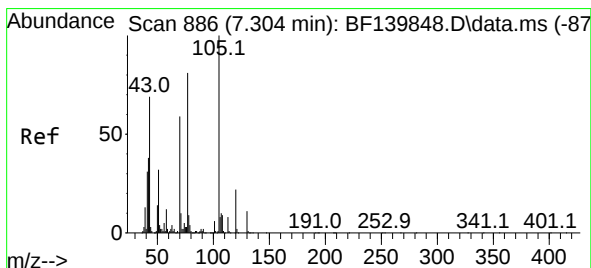
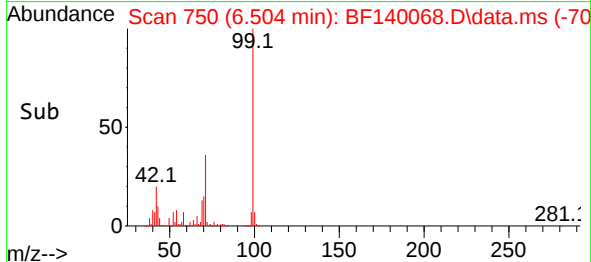
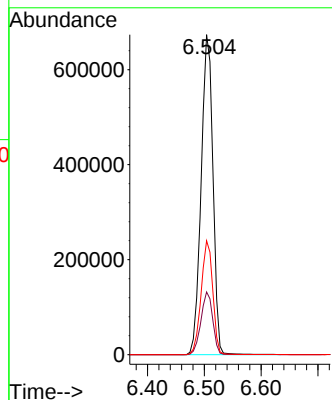
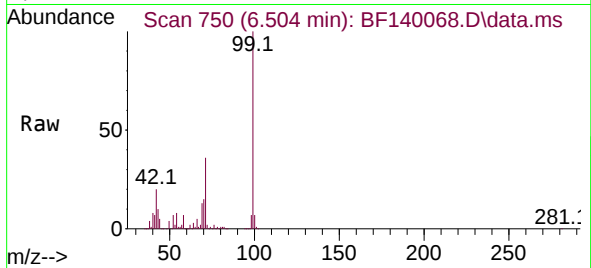




#7
Phenol-d6
Concen: 82.928 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

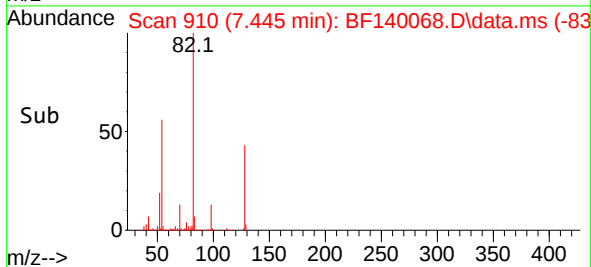
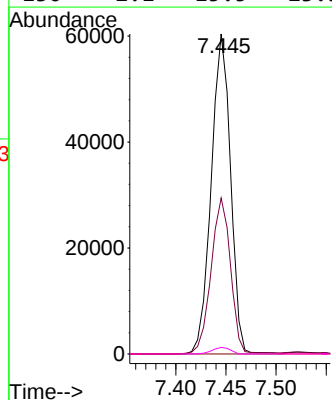
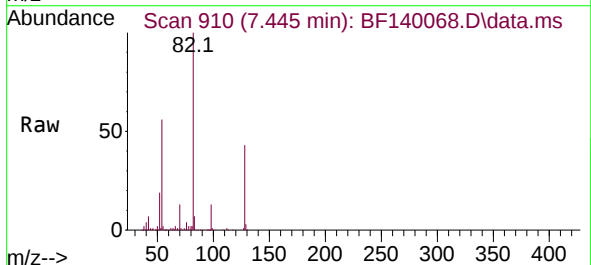
Instrument :
BNA_F
ClientSampleId :
WB-303-TOP

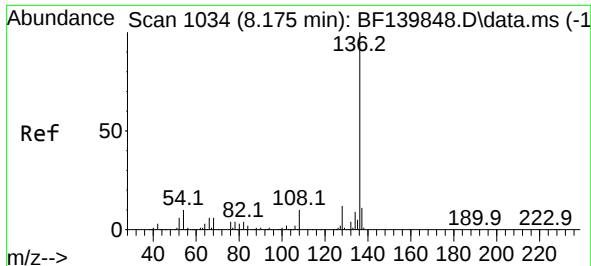
Tgt Ion: 99 Resp: 974385
Ion Ratio Lower Upper
99 100
42 19.6 16.7 25.1
71 35.6 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 11.361 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

Tgt Ion: 70 Resp: 80958
Ion Ratio Lower Upper
70 100
42 48.8 51.5 77.3#
101 0.0 7.5 11.3#
130 2.1 15.5 23.3#





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

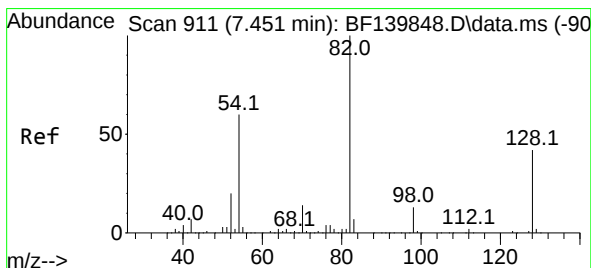
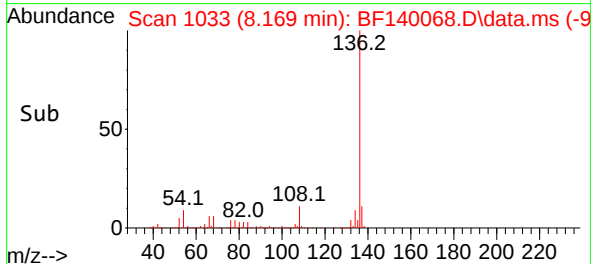
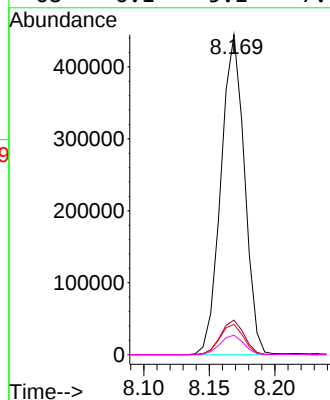
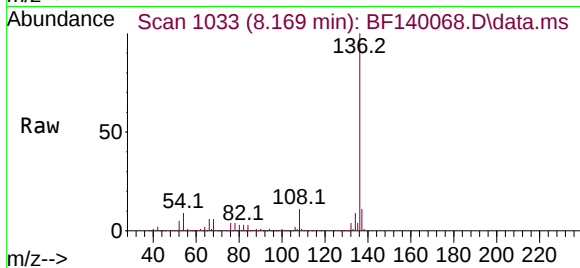
Instrument :

BNA_F

ClientSampleId :

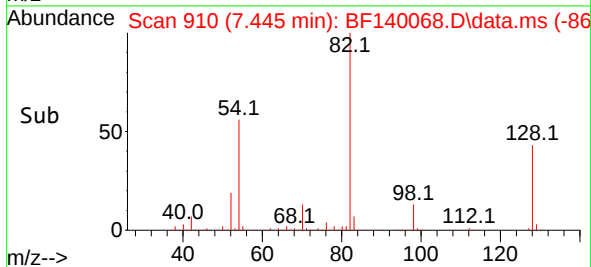
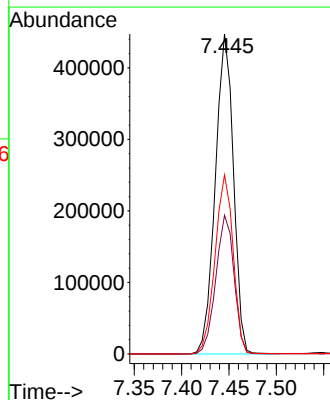
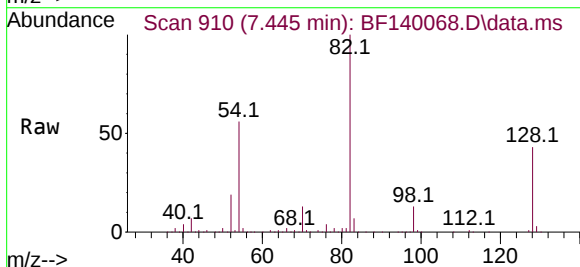
WB-303-TOP

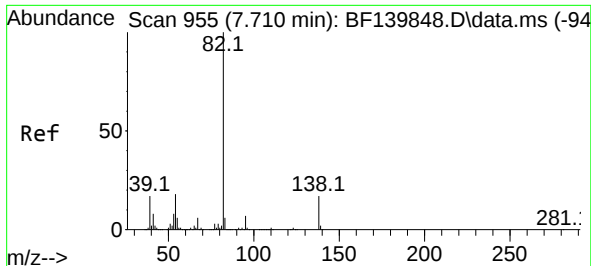
Tgt Ion:136 Resp: 554829
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 9.5 8.4 12.6
68 6.1 5.1 7.7



#23
Nitrobenzene-d5
Concen: 59.591 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

Tgt Ion: 82 Resp: 596551
Ion Ratio Lower Upper
82 100
128 43.4 33.4 50.0
54 56.0 47.8 71.8

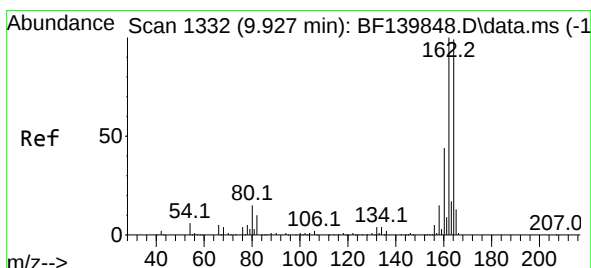
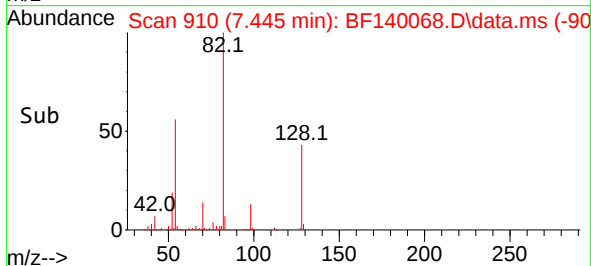
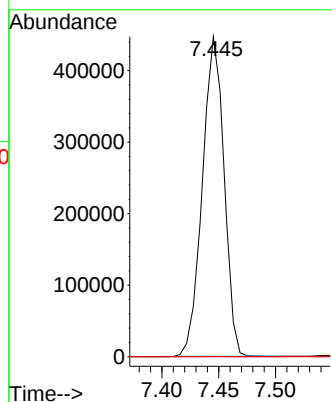
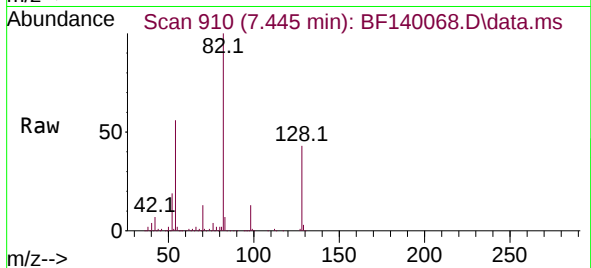




#25
Isophorone
Concen: 31.155 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

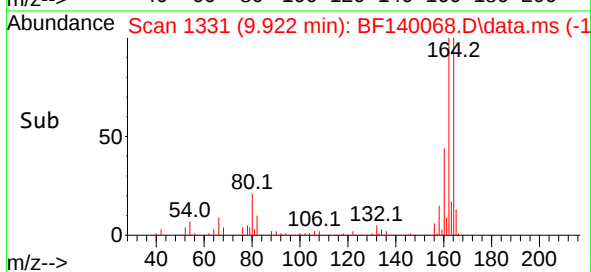
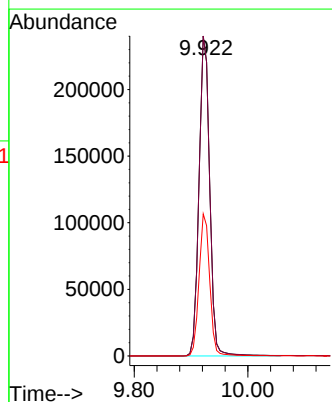
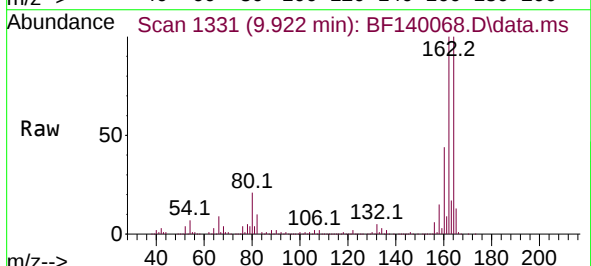
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ClientSampleId :
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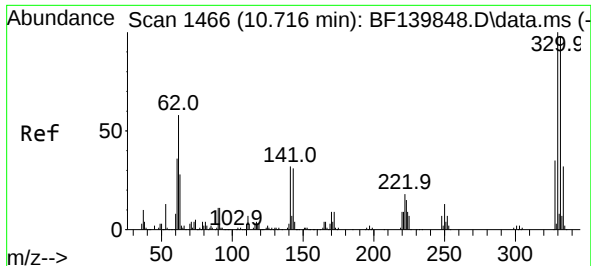
Tgt Ion: 82 Resp: 591952
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

Tgt Ion: 164 Resp: 315069
Ion Ratio Lower Upper
164 100
162 100.1 81.0 121.4
160 44.4 35.4 53.0

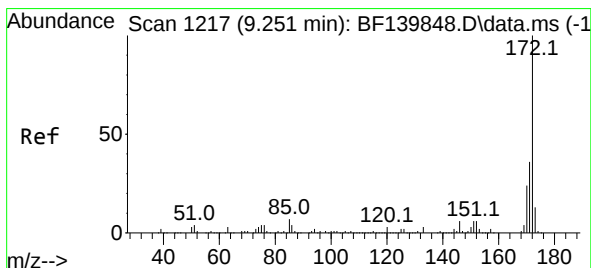
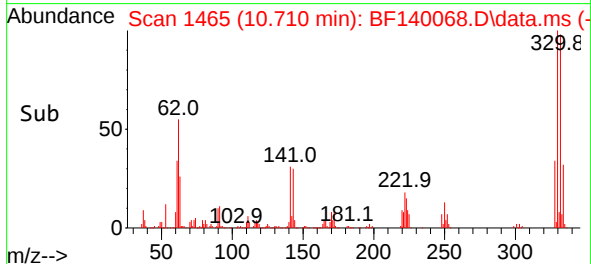
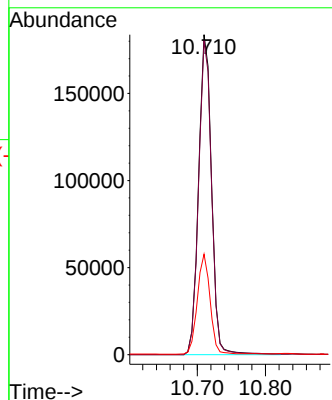
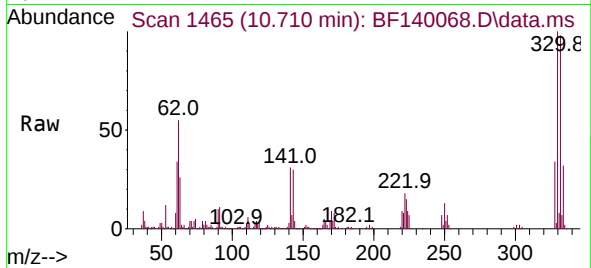




#42
2,4,6-Tribromophenol
Concen: 82.216 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

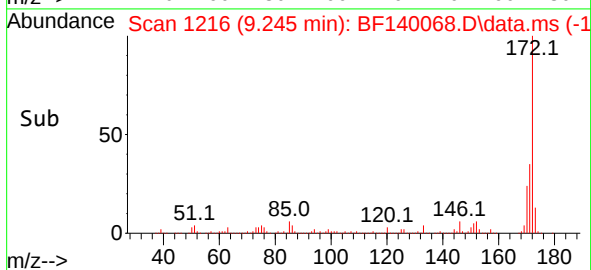
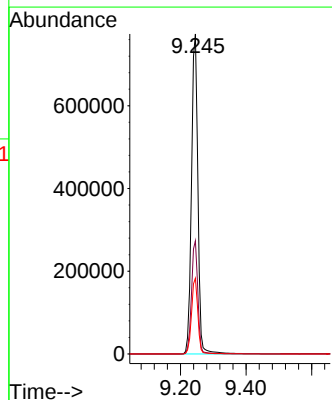
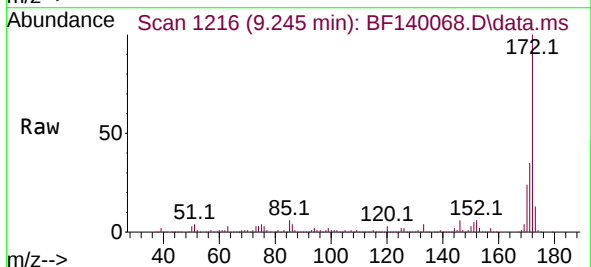
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ClientSampleId :
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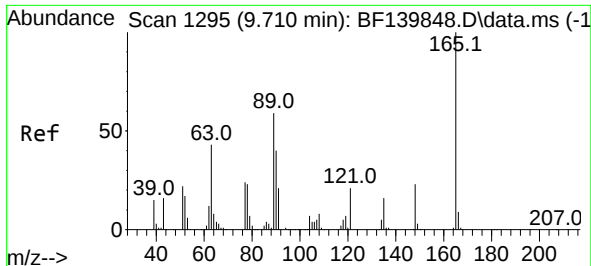
Tgt Ion:330 Resp: 242295
Ion Ratio Lower Upper
330 100
332 97.8 78.1 117.1
141 30.7 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 55.118 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

Tgt Ion:172 Resp: 1050774
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 23.6 19.1 28.7

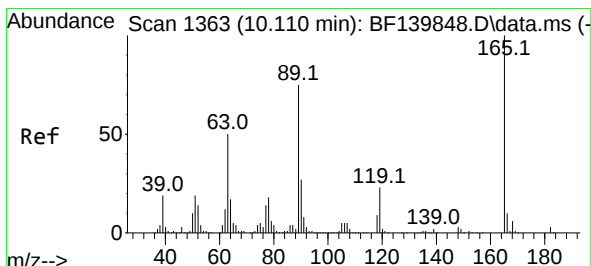
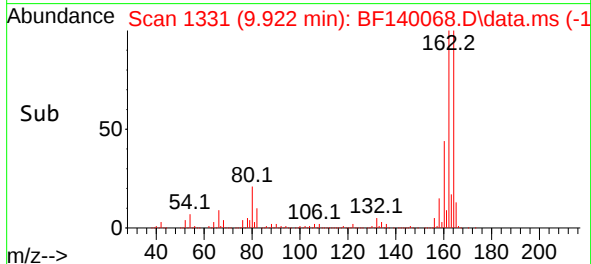
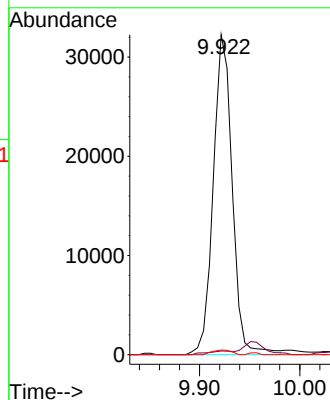
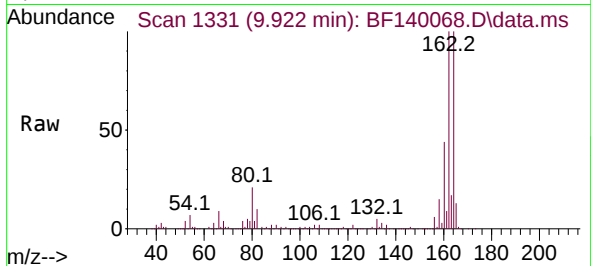




#51
2,6-Dinitrotoluene
Concen: 9.987 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

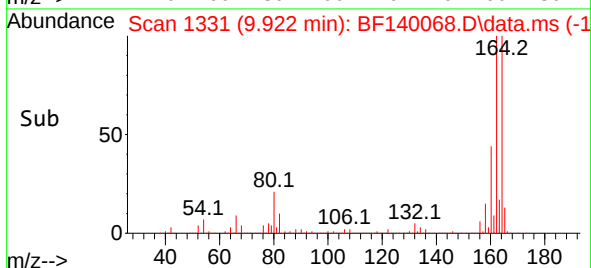
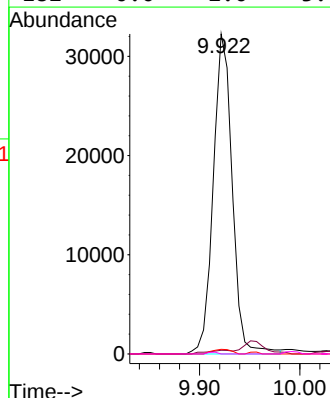
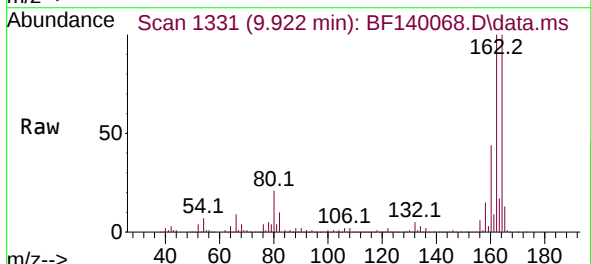
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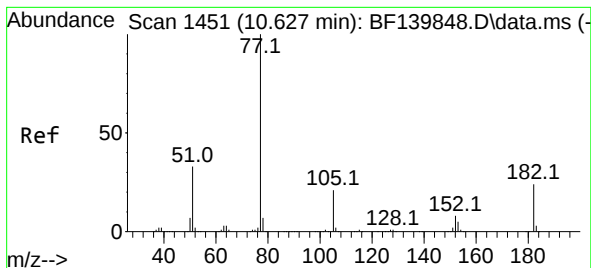
Tgt Ion:165 Resp: 42437
Ion Ratio Lower Upper
165 100
63 1.1 50.6 75.8#
89 1.5 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 8.121 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

Tgt Ion:165 Resp: 42437
Ion Ratio Lower Upper
165 100
63 1.1 40.1 60.1#
89 1.5 60.4 90.6#
182 0.0 2.0 3.0#





#63

Azobenzene

Concen: 2.498 ng

RT: 10.633 min Scan# 1451

Delta R.T. 0.006 min

Lab File: BF140068.D

Acq: 26 Oct 2024 19:09

Instrument :

BNA_F

ClientSampleId :

WB-303-TOP

Tgt Ion: 77 Resp: 51023

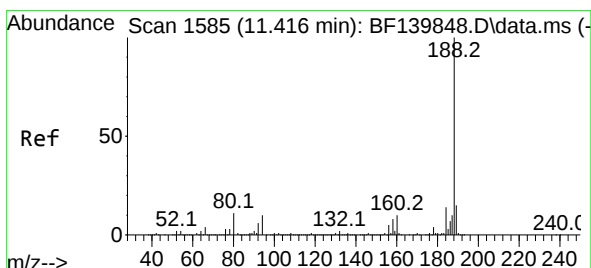
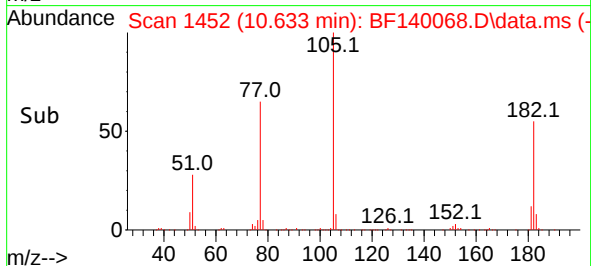
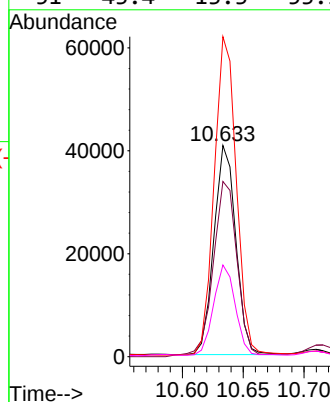
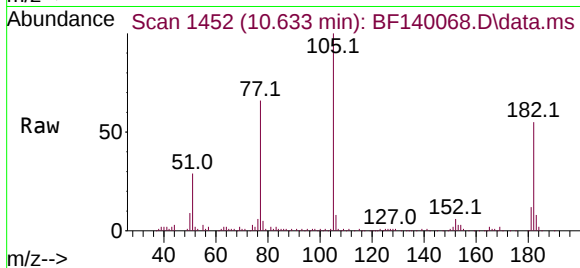
Ion Ratio Lower Upper

77 100

182 83.0 3.3 43.3#

105 151.5 1.2 41.2#

51 43.4 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: BF140068.D

Acq: 26 Oct 2024 19:09

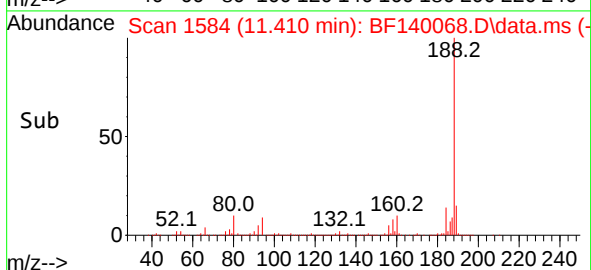
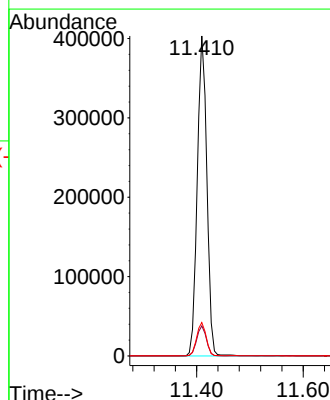
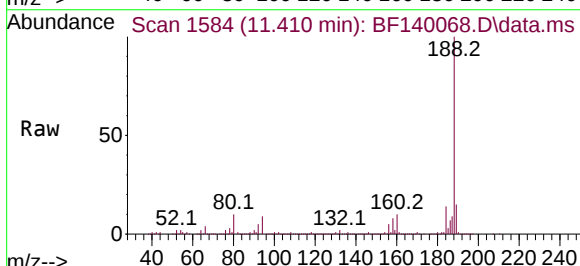
Tgt Ion: 188 Resp: 502958

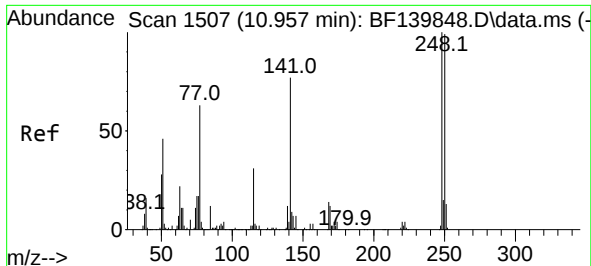
Ion Ratio Lower Upper

188 100

94 9.4 7.9 11.9

80 10.4 9.0 13.4





#67

4-Bromophenyl-phenylether

Concen: 3.064 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.247 min

Lab File: BF140068.D

Acq: 26 Oct 2024 19:09

Instrument :

BNA_F

ClientSampleId :

WB-303-TOP

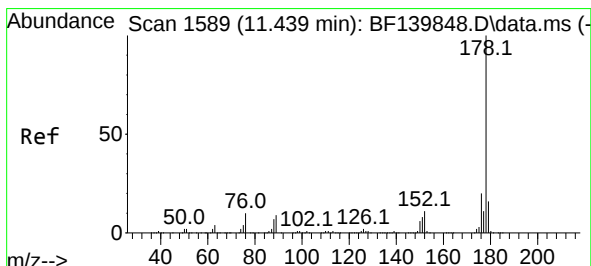
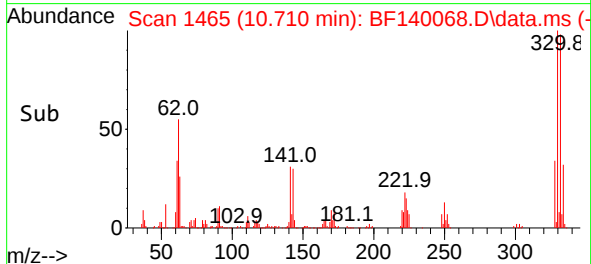
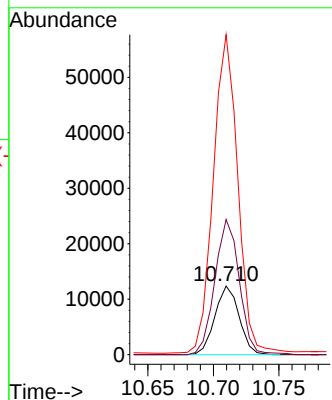
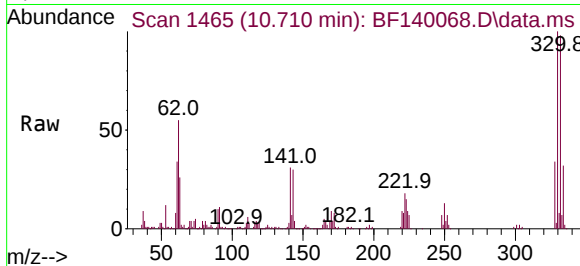
Tgt Ion:248 Resp: 15874

Ion Ratio Lower Upper

248 100

250 196.9 79.0 118.6#

141 465.8 61.7 92.5#



#71

Phenanthrene

Concen: 2.223 ng

RT: 11.433 min Scan# 1588

Delta R.T. -0.006 min

Lab File: BF140068.D

Acq: 26 Oct 2024 19:09

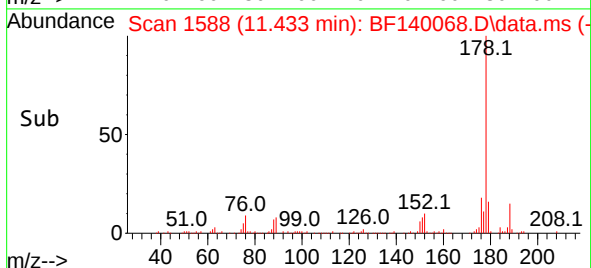
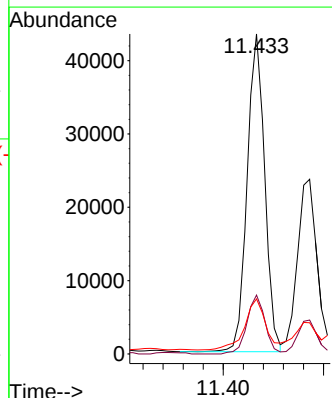
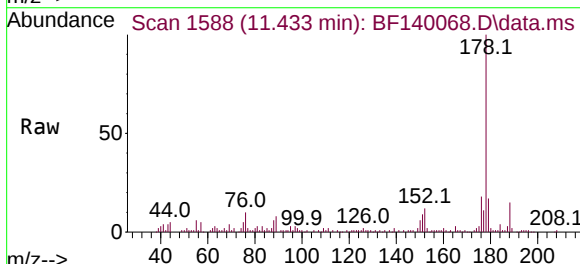
Tgt Ion:178 Resp: 52803

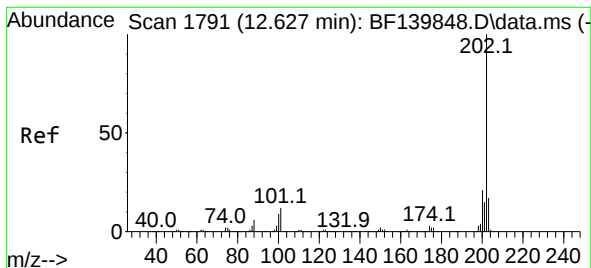
Ion Ratio Lower Upper

178 100

176 18.4 15.8 23.6

179 17.2 12.6 18.8





#75

Fluoranthene

Concen: 3.259 ng

RT: 12.621 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140068.D

Acq: 26 Oct 2024 19:09

Instrument :

BNA_F

ClientSampleId :

WB-303-TOP

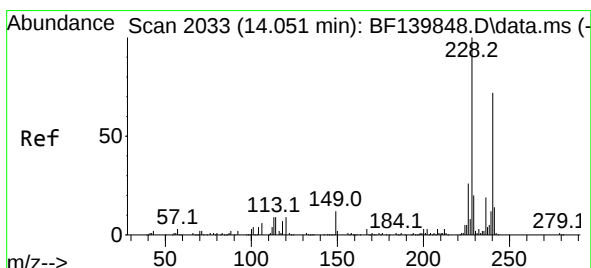
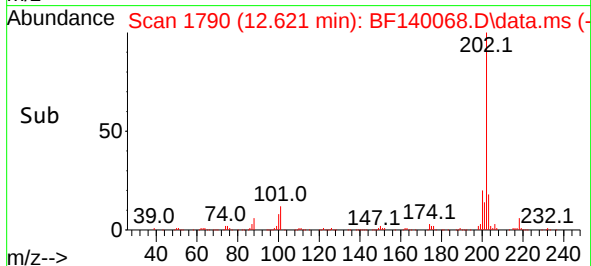
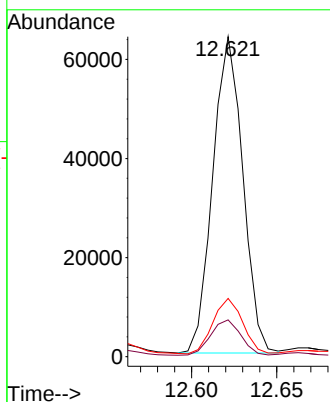
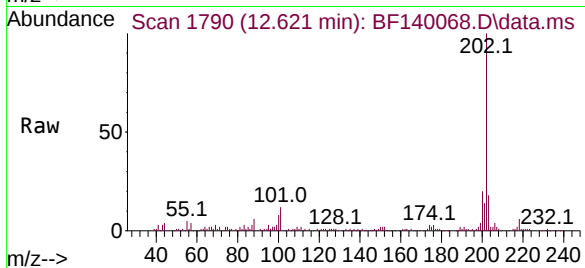
Tgt Ion:202 Resp: 78278

Ion Ratio Lower Upper

202 100

101 11.5 0.0 31.9

203 18.2 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF140068.D

Acq: 26 Oct 2024 19:09

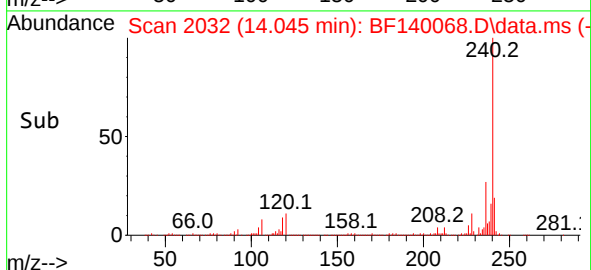
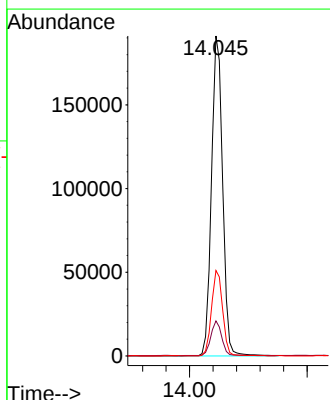
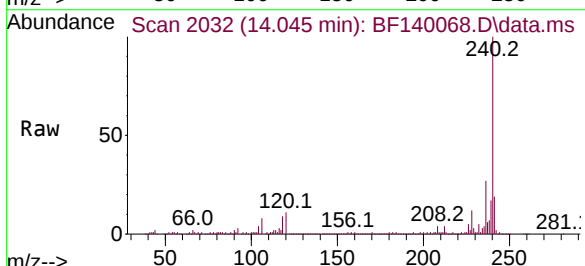
Tgt Ion:240 Resp: 252281

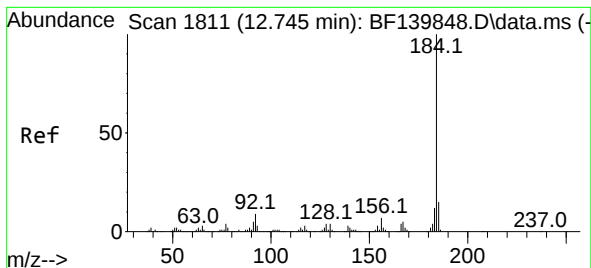
Ion Ratio Lower Upper

240 100

120 11.0 9.4 14.2

236 26.7 20.9 31.3





#77

Benzidine

Concen: 2.655 ng

RT: 12.992 min Scan# 1853

Delta R.T. 0.247 min

Lab File: BF140068.D

Acq: 26 Oct 2024 19:09

Instrument :

BNA_F

ClientSampleId :

WB-303-TOP

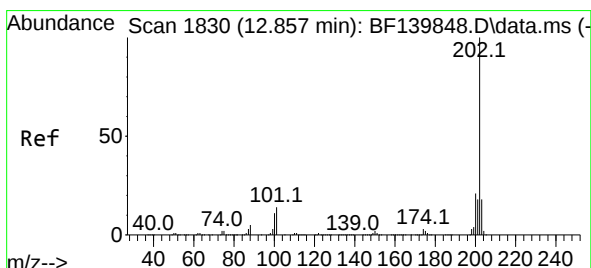
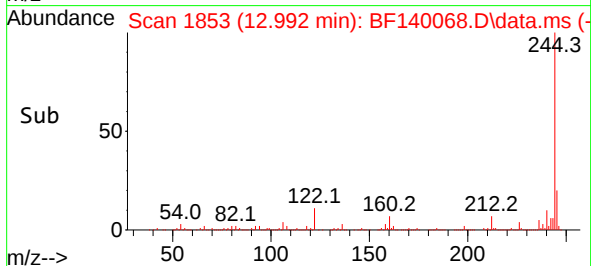
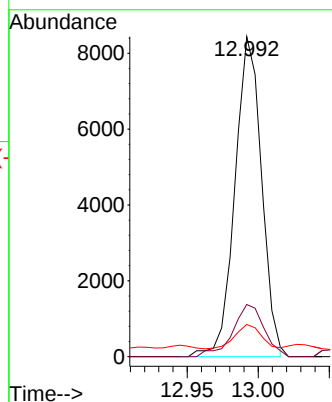
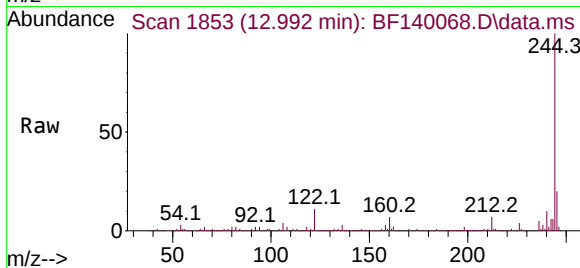
Tgt Ion:184 Resp: 11012

Ion Ratio Lower Upper

184 100

185 16.3 12.0 18.0

183 10.1 9.4 14.2



#78

Pyrene

Concen: 4.431 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF140068.D

Acq: 26 Oct 2024 19:09

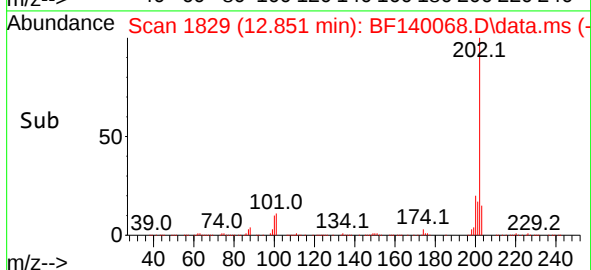
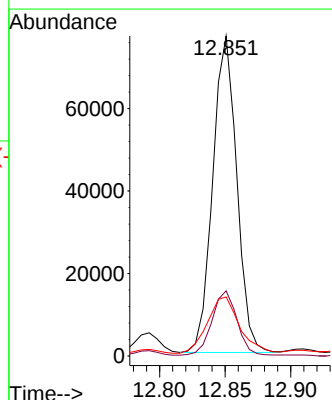
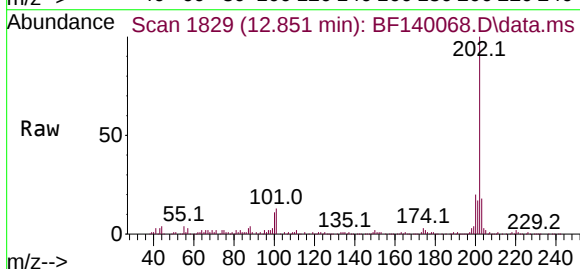
Tgt Ion:202 Resp: 97847

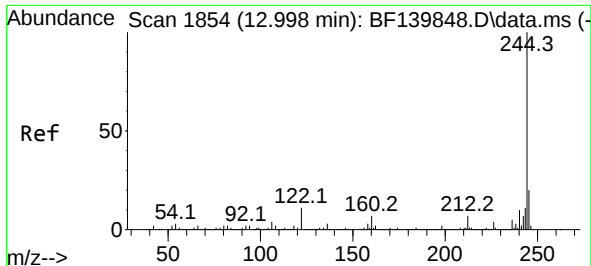
Ion Ratio Lower Upper

202 100

200 20.4 17.2 25.8

203 18.4 14.2 21.4

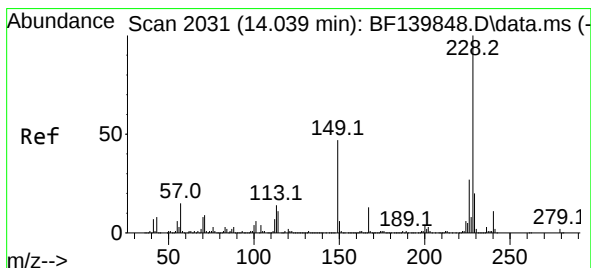
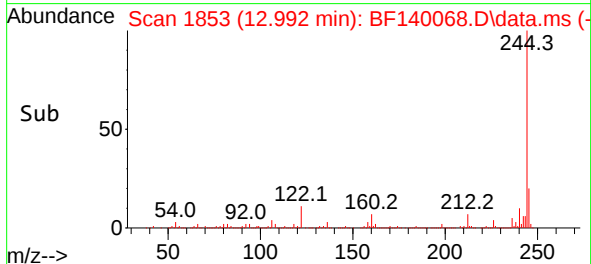
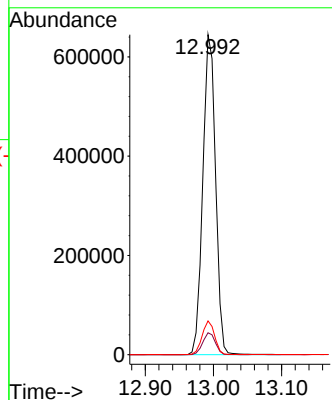
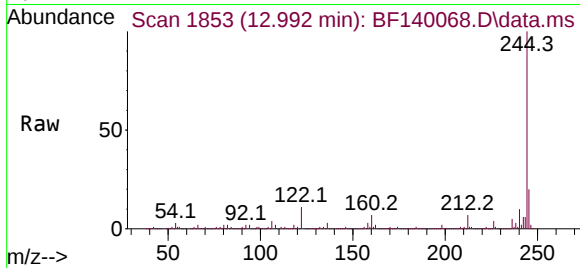




#79
 Terphenyl-d14
 Concen: 54.118 ng
 RT: 12.992 min Scan# 1853
 Delta R.T. -0.006 min
 Lab File: BF140068.D
 Acq: 26 Oct 2024 19:09

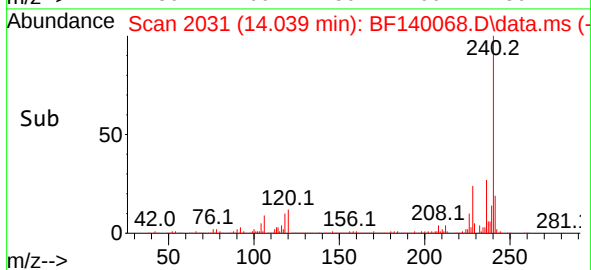
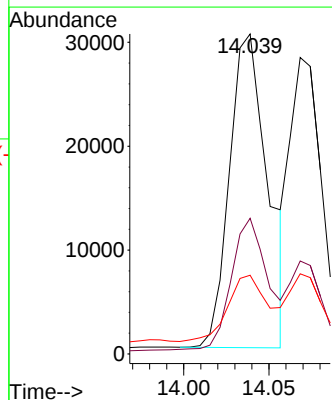
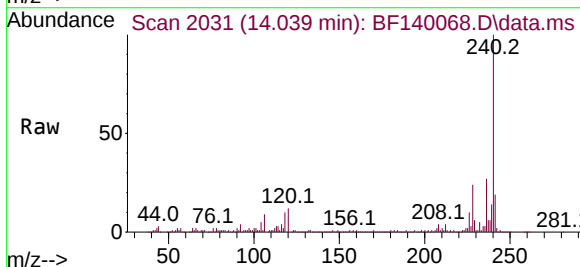
Instrument :
 BNA_F
 ClientSampleId :
 WB-303-TOP

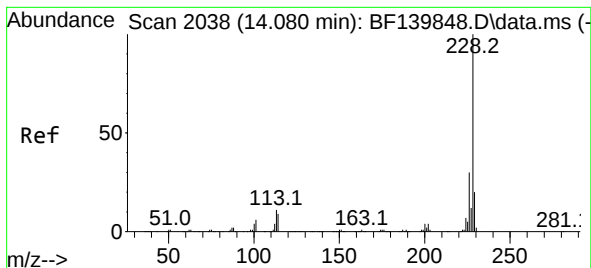
Tgt Ion:244 Resp: 837874
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.7 8.5
 122 10.5 8.6 13.0



#81
 Benzo(a)anthracene
 Concen: 2.863 ng
 RT: 14.039 min Scan# 2031
 Delta R.T. -0.000 min
 Lab File: BF140068.D
 Acq: 26 Oct 2024 19:09

Tgt Ion:228 Resp: 47020
 Ion Ratio Lower Upper
 228 100
 226 42.4 21.6 32.4#
 229 24.6 16.1 24.1#





#83

Chrysene

Concen: 2.435 ng

RT: 14.068 min Scan# 2038

Delta R.T. -0.012 min

Lab File: BF140068.D

Acq: 26 Oct 2024 19:09

Instrument :

BNA_F

ClientSampleId :

WB-303-TOP

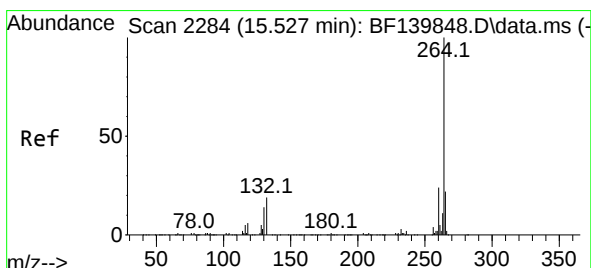
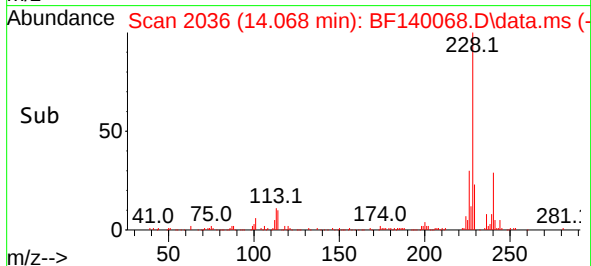
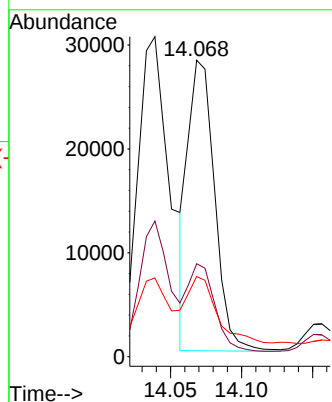
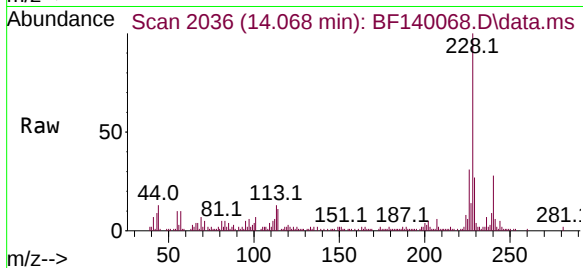
Tgt Ion:228 Resp: 36661

Ion Ratio Lower Upper

228 100

226 31.4 24.1 36.1

229 27.0 15.8 23.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2284

Delta R.T. 0.000 min

Lab File: BF140068.D

Acq: 26 Oct 2024 19:09

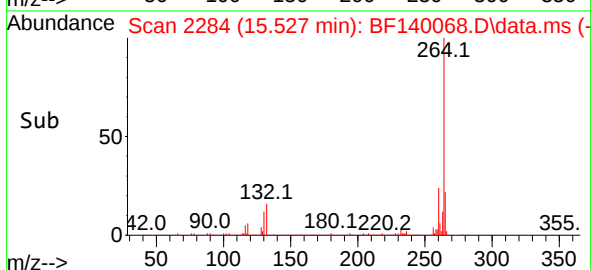
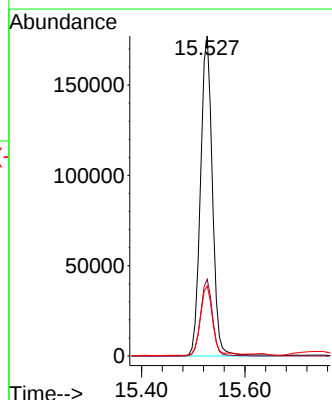
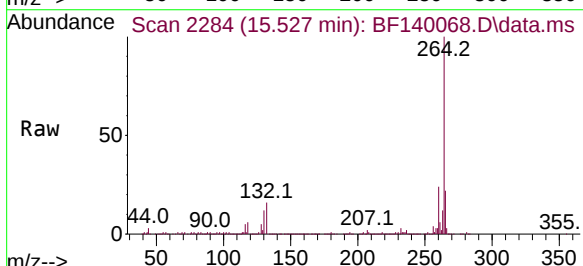
Tgt Ion:264 Resp: 282696

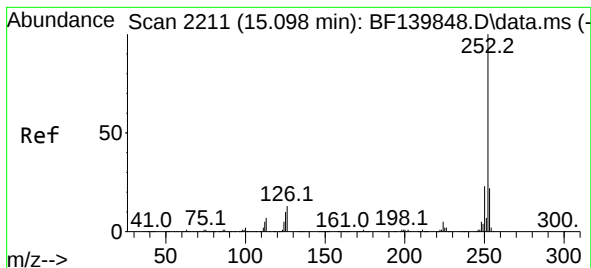
Ion Ratio Lower Upper

264 100

260 24.0 19.4 29.2

265 21.9 17.4 26.0





#88

Benzo(b)fluoranthene

Concen: 2.997 ng

RT: 15.092 min Scan# 2110

Delta R.T. -0.006 min

Lab File: BF140068.D

Acq: 26 Oct 2024 19:09

Instrument :

BNA_F

ClientSampleId :

WB-303-TOP

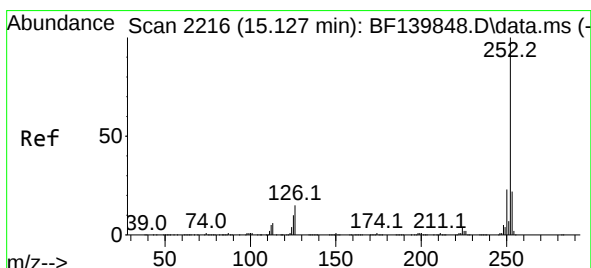
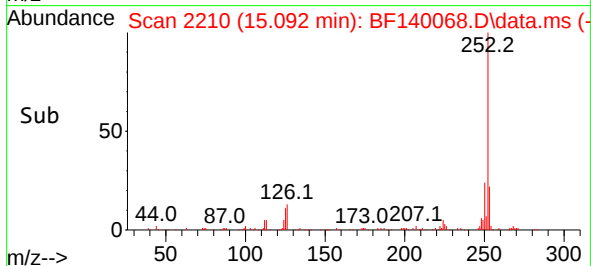
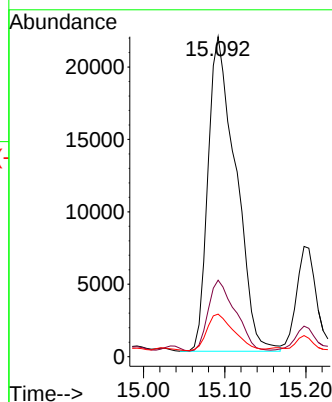
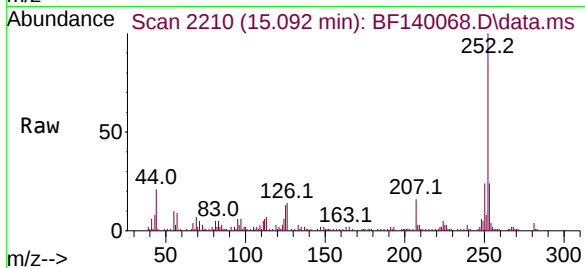
Tgt Ion:252 Resp: 51607

Ion Ratio Lower Upper

252 100

253 23.9 17.6 26.4

125 13.3 7.9 11.9#



#89

Benzo(k)fluoranthene

Concen: 3.475 ng

RT: 15.092 min Scan# 2210

Delta R.T. -0.035 min

Lab File: BF140068.D

Acq: 26 Oct 2024 19:09

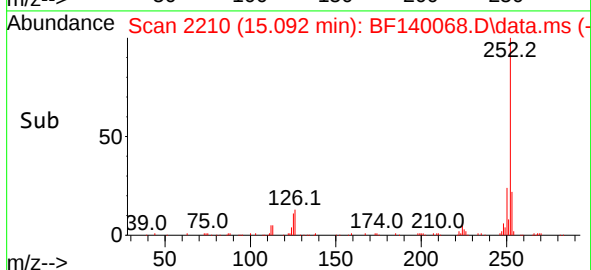
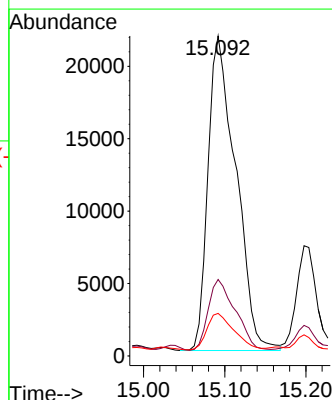
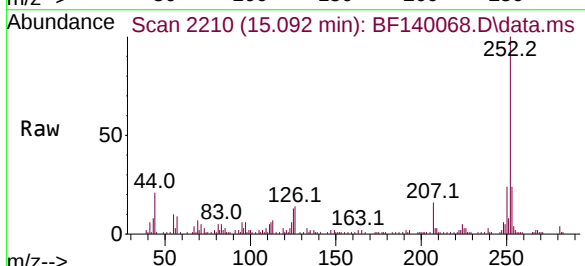
Tgt Ion:252 Resp: 51607

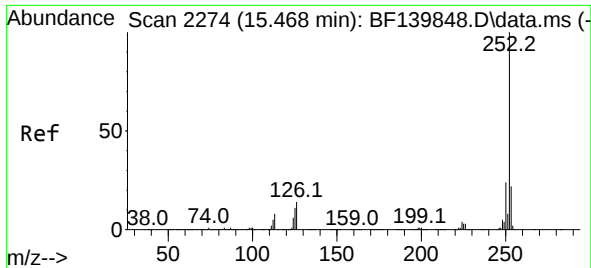
Ion Ratio Lower Upper

252 100

253 23.9 17.6 26.4

125 13.3 7.9 11.9#





#90
 Benzo(a)pyrene
 Concen: 2.846 ng
 RT: 15.456 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF140068.D
 Acq: 26 Oct 2024 19:09

Instrument :
 BNA_F
 ClientSampleId :
 WB-303-TOP

Tgt Ion:252 Resp: 40332
 Ion Ratio Lower Upper
 252 100
 253 24.4 17.3 25.9
 125 12.7 8.7 13.1

