

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
 Data File : BF139912.D
 Acq On : 21 Oct 2024 19:34
 Operator : RC/JU
 Sample : P4419-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IB-1

Quant Time: Oct 22 01:19:58 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)

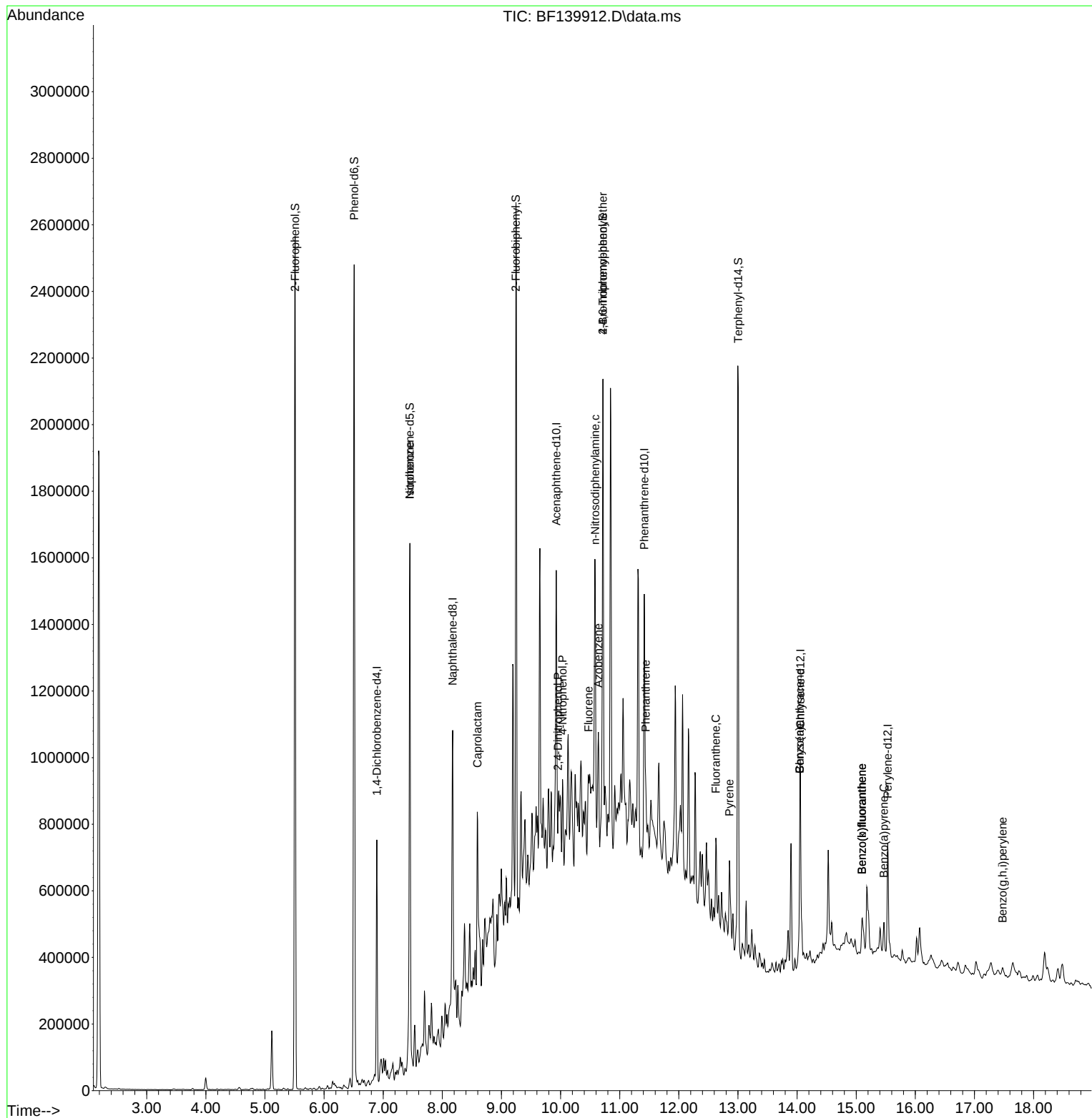
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	141928	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	472788	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	215970	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	387206	20.000	ng	0.00
76) Chrysene-d12	14.057	240	242952	20.000	ng	0.00
86) Perylene-d12	15.533	264	210607	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	963057	106.227	ng	0.01
7) Phenol-d6	6.510	99	1181064	100.585	ng	0.00
23) Nitrobenzene-d5	7.451	82	683419	80.115	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	235150	116.404	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	948213	72.561	ng	0.00
79) Terphenyl-d14	13.004	244	892068	59.831	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.451	82	679352	41.959	ng	# 68
35) Caprolactam	8.592	113	18638	8.747	ng	# 4
54) 2,4-Dinitrophenol	9.957	184	107	6.609	ng	# 1
56) 4-Nitrophenol	10.033	139	4969	2.150	ng	# 9
58) Fluorene	10.475	166	27426	2.216	ng	# 72
63) Azobenzene	10.639	77	60090	4.291	ng	# 1
66) n-Nitrosodiphenylamine	10.586	169	80003	6.903	ng	# 52
67) 4-Bromophenyl-phenylether	10.716	248	15093	3.784	ng	# 1
71) Phenanthrene	11.439	178	102499	5.604	ng	# 93
75) Fluoranthene	12.627	202	142748	7.720	ng	99
78) Pyrene	12.857	202	146281	6.879	ng	96
81) Benzo(a)anthracene	14.045	228	74467	4.709	ng	# 89
83) Chrysene	14.045	228	74467	5.135	ng	92
88) Benzo(b)fluoranthene	15.098	252	92393	7.202	ng	# 87
89) Benzo(k)fluoranthene	15.098	252	92393	8.351	ng	# 87
90) Benzo(a)pyrene	15.468	252	52041	4.930	ng	# 87
92) Benzo(g,h,i)perylene	17.474	276	23050	2.042	ng	# 84

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

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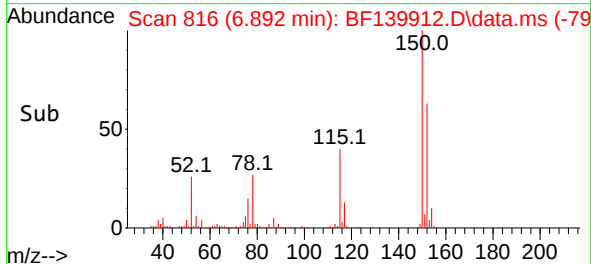
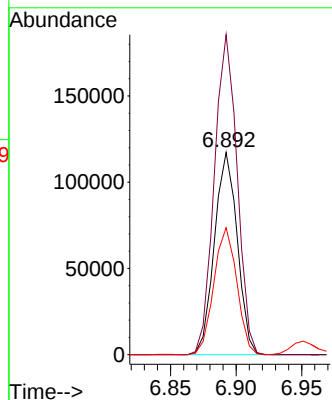
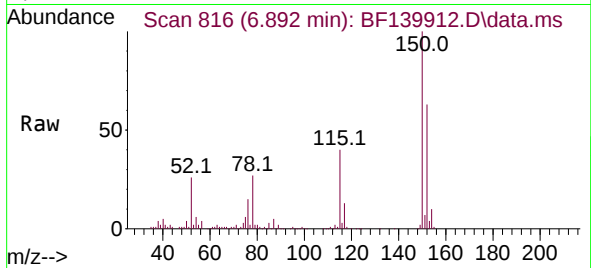




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF139912.D
Acq: 21 Oct 2024 19:34

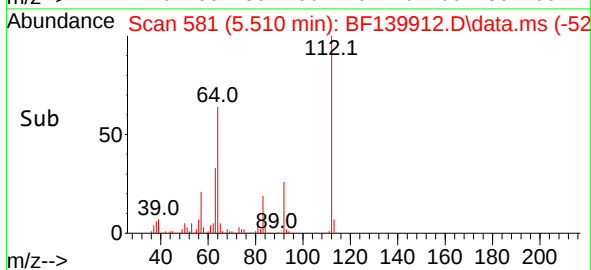
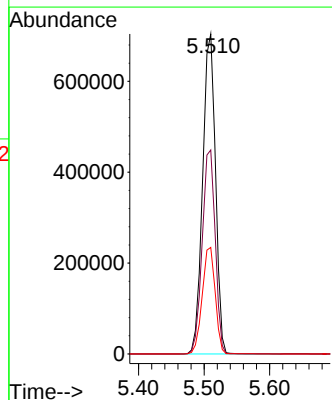
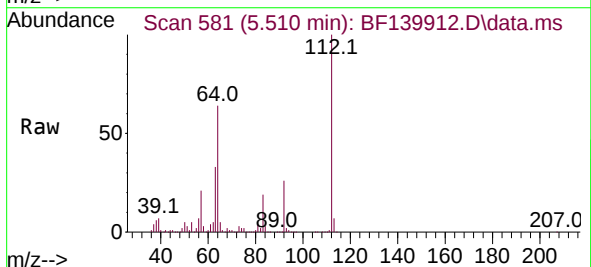
Instrument :
BNA_F
ClientSampleId :
IB-1

Tgt Ion:152 Resp: 141928
Ion Ratio Lower Upper
152 100
150 158.2 130.2 195.2
115 62.8 51.4 77.2



#5
2-Fluorophenol
Concen: 106.227 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF139912.D
Acq: 21 Oct 2024 19:34

Tgt Ion:112 Resp: 963057
Ion Ratio Lower Upper
112 100
64 63.8 53.0 79.6
63 33.3 27.0 40.4



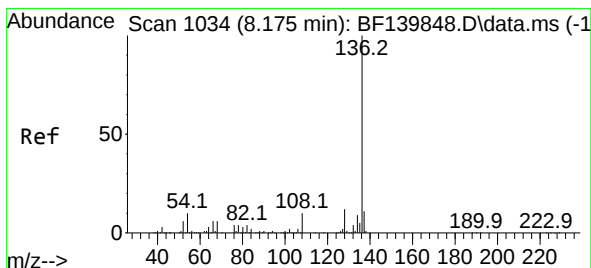
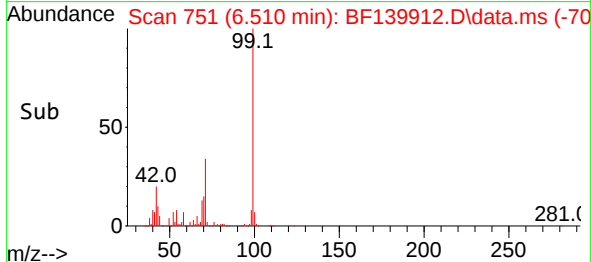
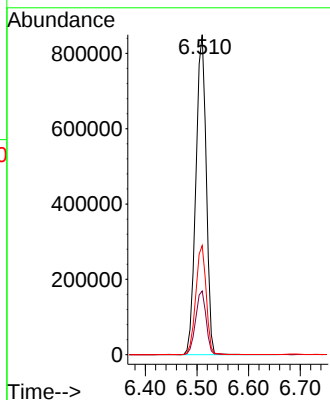
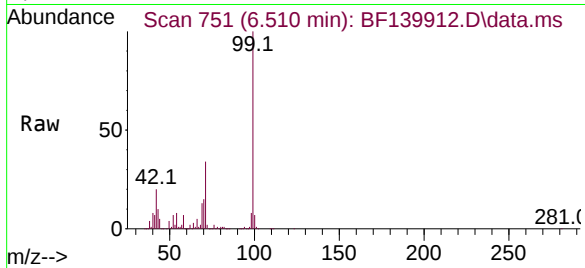


#7
Phenol-d6
Concen: 100.585 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF139912.D
Acq: 21 Oct 2024 19:34

Instrument :
BNA_F
ClientSampleId :
IB-1

Tgt Ion: 99 Resp: 1181064

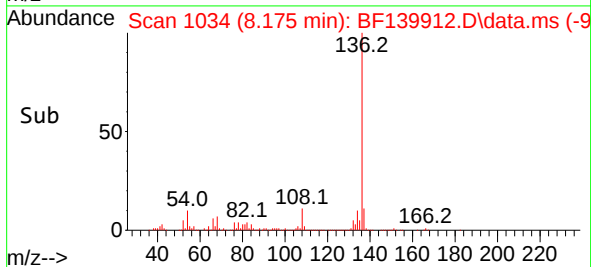
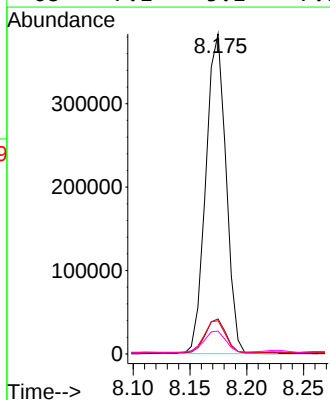
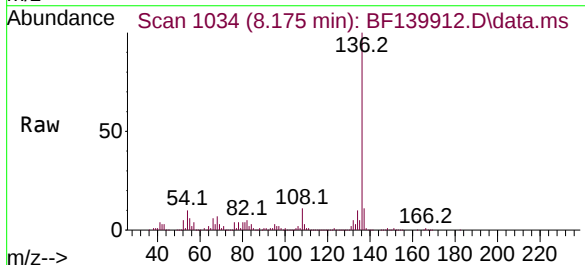
Ion	Ratio	Lower	Upper
99	100		
42	19.9	16.7	25.1
71	34.1	27.7	41.5

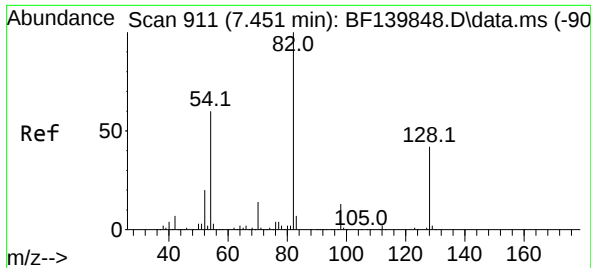


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BF139912.D
Acq: 21 Oct 2024 19:34

Tgt Ion: 136 Resp: 472788

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	10.4	8.4	12.6
68	7.1	5.1	7.7

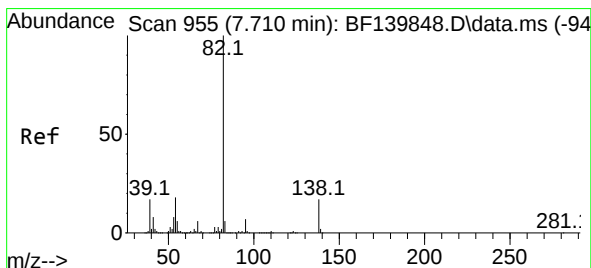
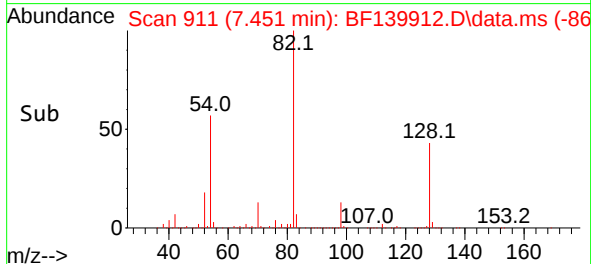
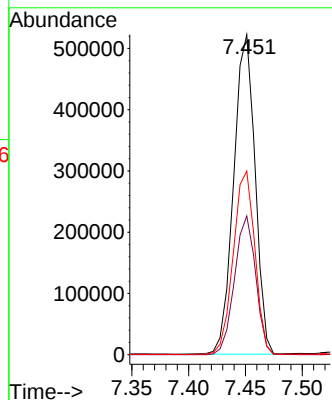
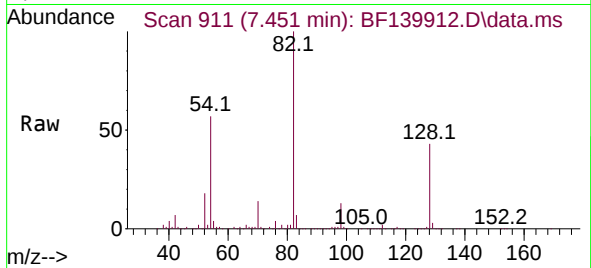




#23
Nitrobenzene-d5
Concen: 80.115 ng
RT: 7.451 min Scan# 911
Delta R.T. 0.000 min
Lab File: BF139912.D
Acq: 21 Oct 2024 19:34

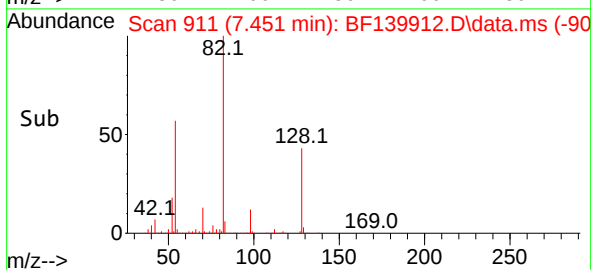
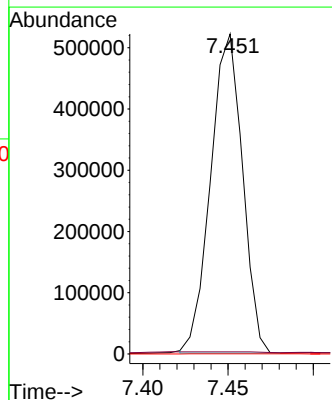
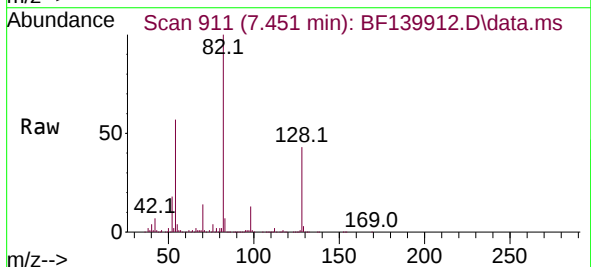
Instrument :
BNA_F
ClientSampleId :
IB-1

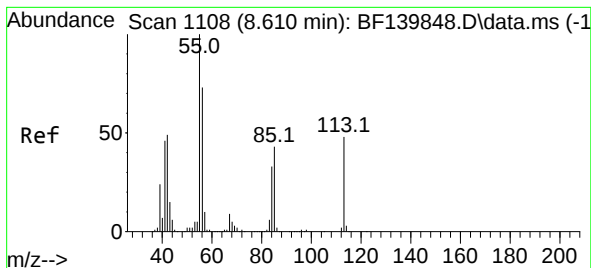
Tgt Ion: 82 Resp: 683419
Ion Ratio Lower Upper
82 100
128 43.3 33.4 50.0
54 57.4 47.8 71.8



#25
Isophorone
Concen: 41.959 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.259 min
Lab File: BF139912.D
Acq: 21 Oct 2024 19:34

Tgt Ion: 82 Resp: 679352
Ion Ratio Lower Upper
82 100
95 0.6 5.5 8.3#
138 0.1 13.2 19.8#





#35

Caprolactam

Concen: 8.747 ng

RT: 8.592 min Scan# 1105

Delta R.T. -0.018 min

Lab File: BF139912.D

Acq: 21 Oct 2024 19:34

Instrument :

BNA_F

ClientSampleId :

IB-1

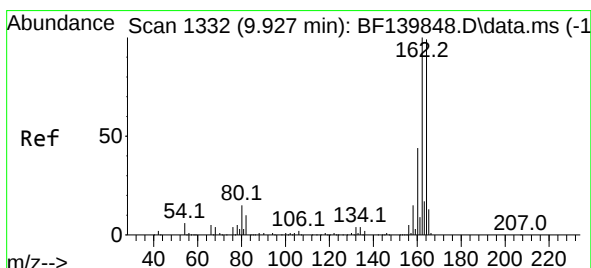
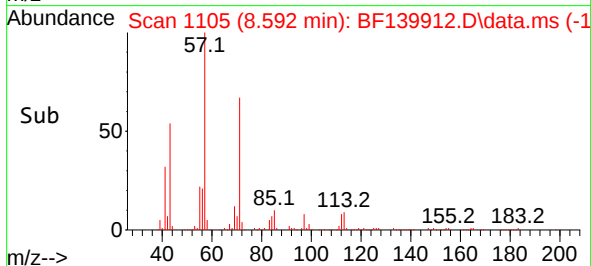
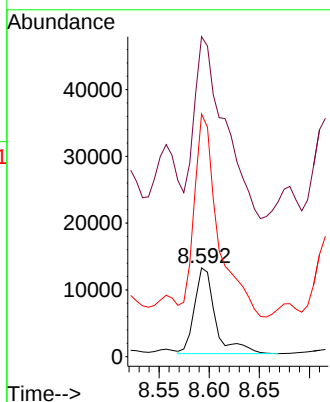
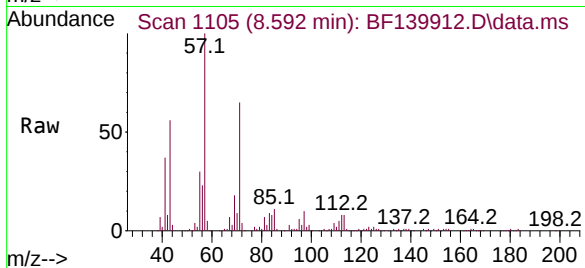
Tgt Ion:113 Resp: 18638

Ion Ratio Lower Upper

113 100

55 360.0 189.2 229.2#

56 273.1 132.5 172.5#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.927 min Scan# 1332

Delta R.T. 0.000 min

Lab File: BF139912.D

Acq: 21 Oct 2024 19:34

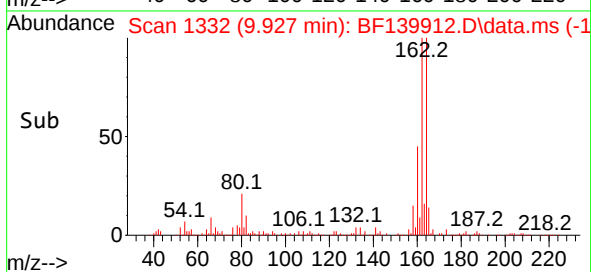
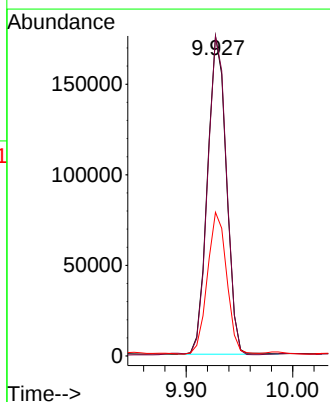
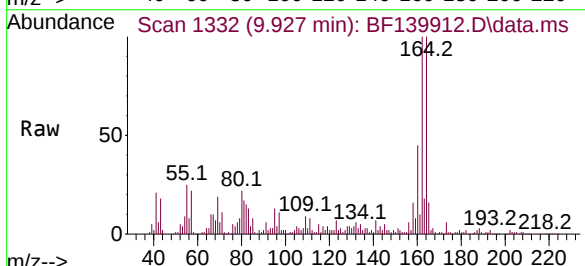
Tgt Ion:164 Resp: 215970

Ion Ratio Lower Upper

164 100

162 100.1 81.0 121.4

160 44.9 35.4 53.0

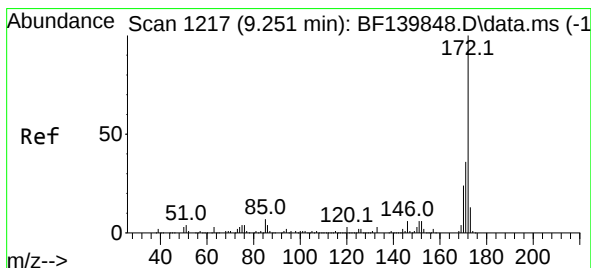
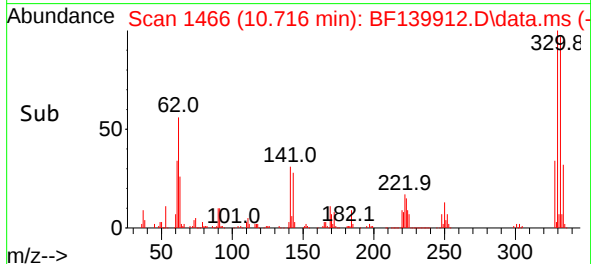
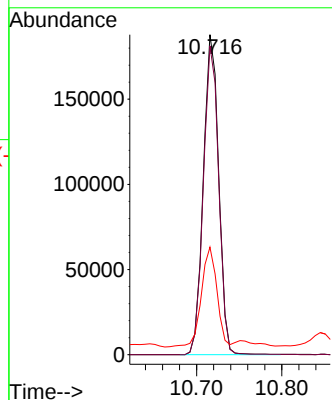
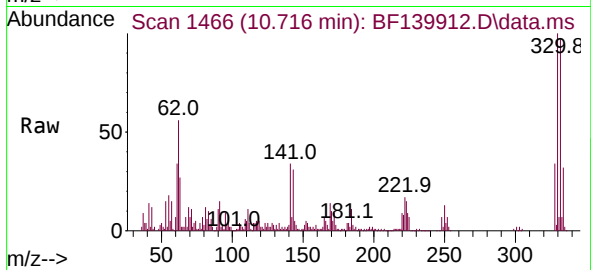




#42
2,4,6-Tribromophenol
Concen: 116.404 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF139912.D
Acq: 21 Oct 2024 19:34

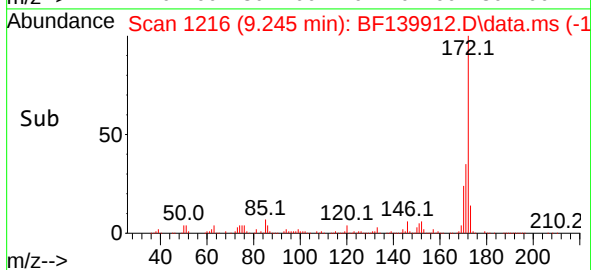
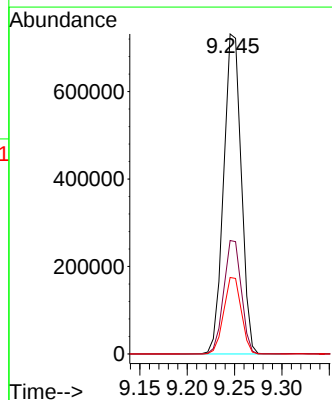
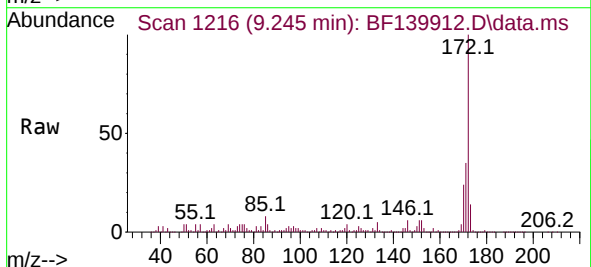
Instrument :
BNA_F
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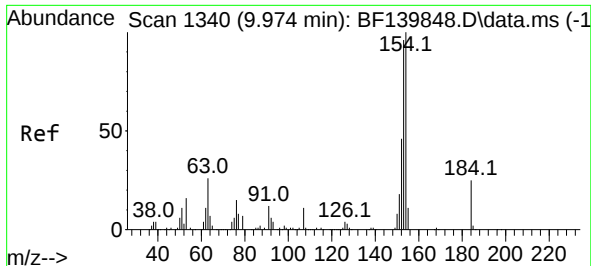
Tgt Ion:330 Resp: 235150
Ion Ratio Lower Upper
330 100
332 96.7 78.1 117.1
141 31.6 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 72.561 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139912.D
Acq: 21 Oct 2024 19:34

Tgt Ion:172 Resp: 948213
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 23.9 19.1 28.7

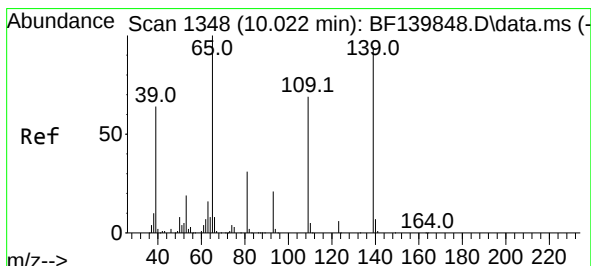
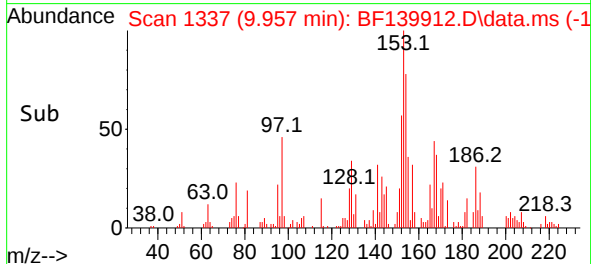
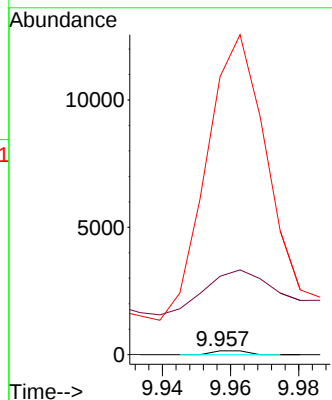
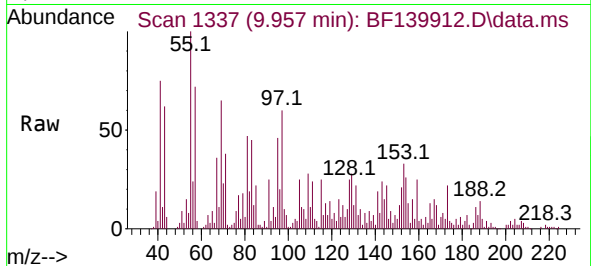




#54
2,4-Dinitrophenol
Concen: 6.609 ng
RT: 9.957 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF139912.D
Acq: 21 Oct 2024 19:34

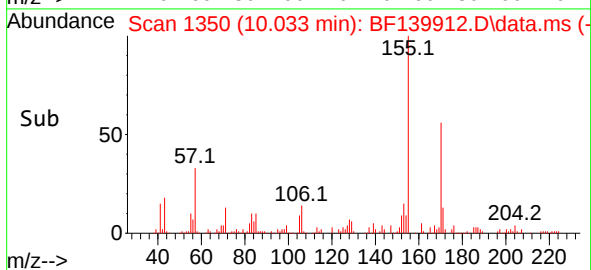
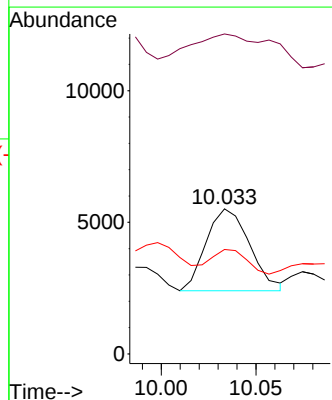
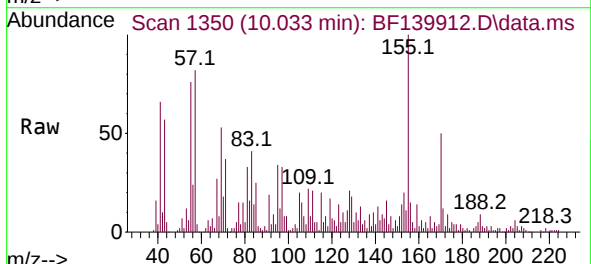
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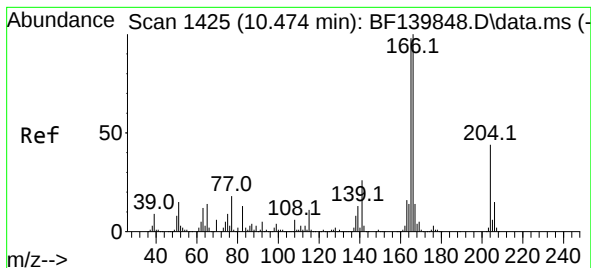
Tgt Ion:184 Resp: 107
Ion Ratio Lower Upper
184 100
63 2023.0 84.7 127.1#
154 7178.3 338.2 507.2#



#56
4-Nitrophenol
Concen: 2.150 ng
RT: 10.033 min Scan# 1350
Delta R.T. 0.012 min
Lab File: BF139912.D
Acq: 21 Oct 2024 19:34

Tgt Ion:139 Resp: 4969
Ion Ratio Lower Upper
139 100
109 220.4 53.6 93.6#
65 71.9 87.8 127.8#





#58

Fluorene

Concen: 2.216 ng

RT: 10.475 min Scan# 1425

Delta R.T. 0.000 min

Lab File: BF139912.D

Acq: 21 Oct 2024 19:34

Instrument :

BNA_F

ClientSampleId :

IB-1

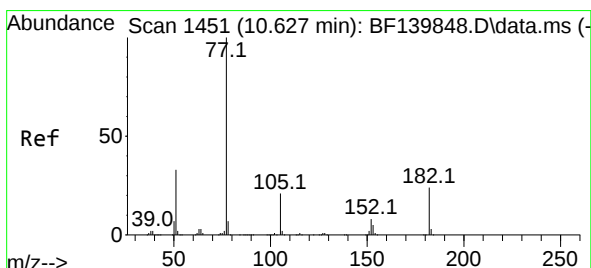
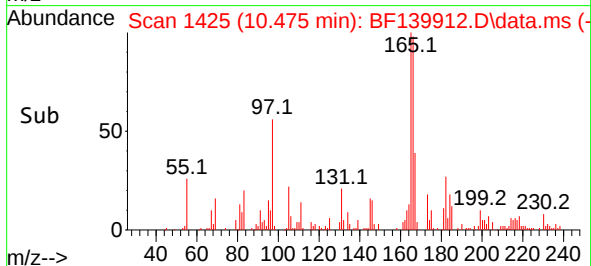
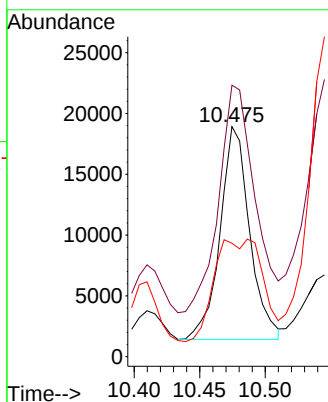
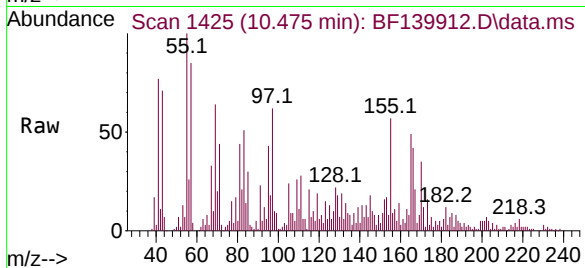
Tgt Ion:166 Resp: 27426

Ion Ratio Lower Upper

166 100

165 118.0 78.5 117.7#

167 49.3 10.9 16.3#



#63

Azobenzene

Concen: 4.291 ng

RT: 10.639 min Scan# 1453

Delta R.T. 0.012 min

Lab File: BF139912.D

Acq: 21 Oct 2024 19:34

Tgt Ion: 77 Resp: 60090

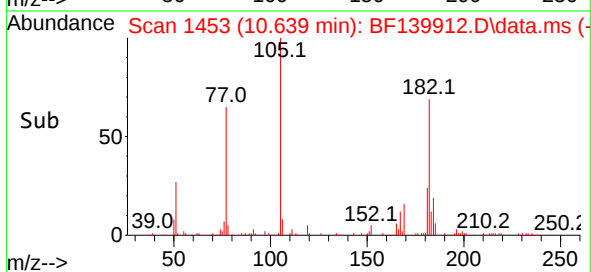
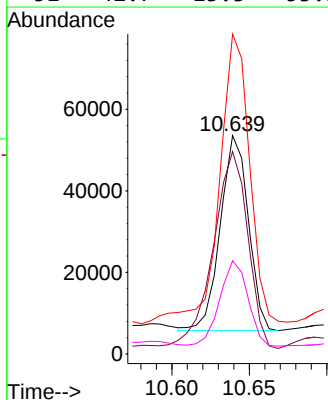
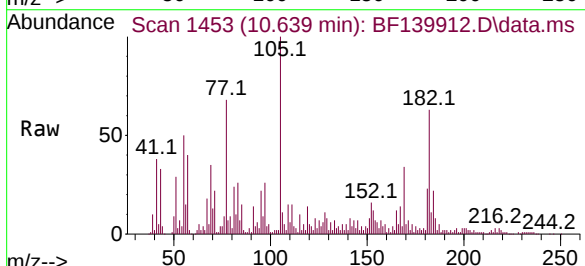
Ion Ratio Lower Upper

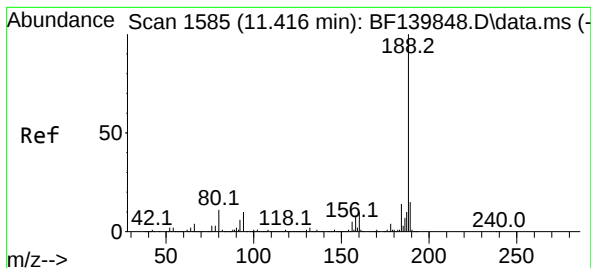
77 100

182 92.6 3.3 43.3#

105 146.5 1.2 41.2#

51 42.7 13.3 53.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139912.D

Acq: 21 Oct 2024 19:34

Instrument :

BNA_F

ClientSampleId :

IB-1

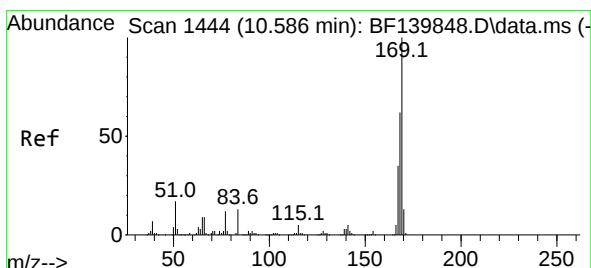
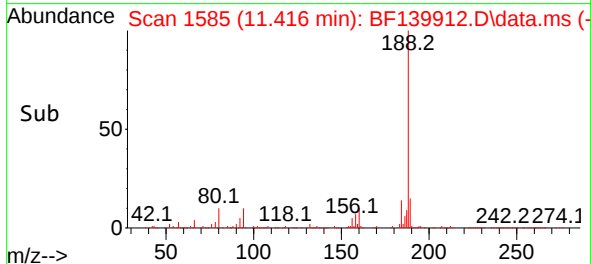
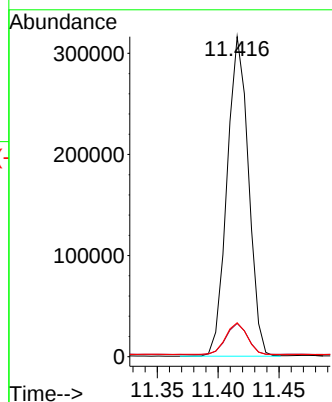
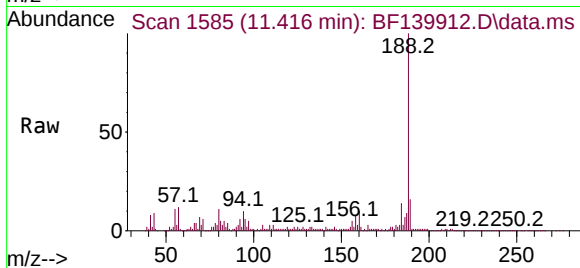
Tgt Ion:188 Resp: 387206

Ion Ratio Lower Upper

188 100

94 10.4 7.9 11.9

80 10.6 9.0 13.4



#66

n-Nitrosodiphenylamine

Concen: 6.903 ng

RT: 10.586 min Scan# 1444

Delta R.T. 0.000 min

Lab File: BF139912.D

Acq: 21 Oct 2024 19:34

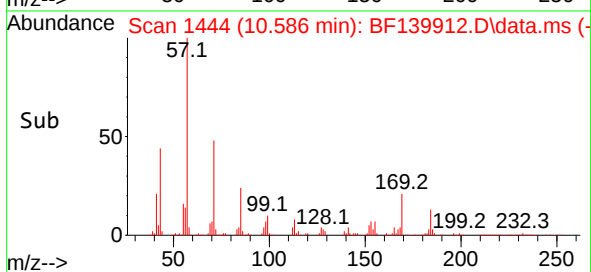
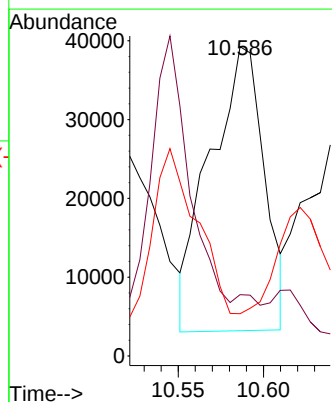
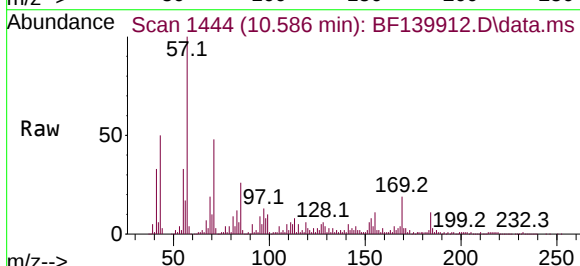
Tgt Ion:169 Resp: 80003

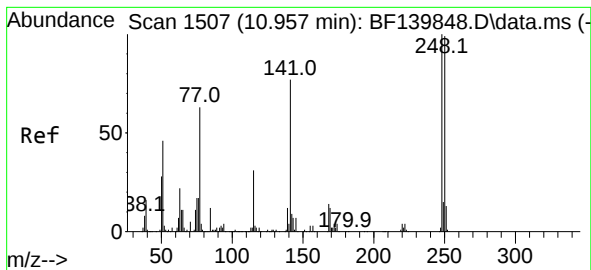
Ion Ratio Lower Upper

169 100

168 19.8 49.8 74.6#

167 13.7 28.0 42.0#

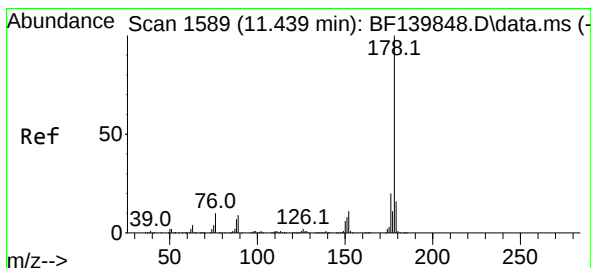
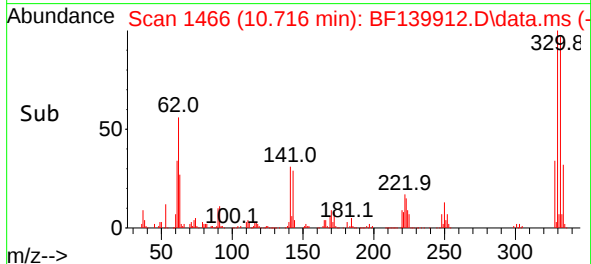
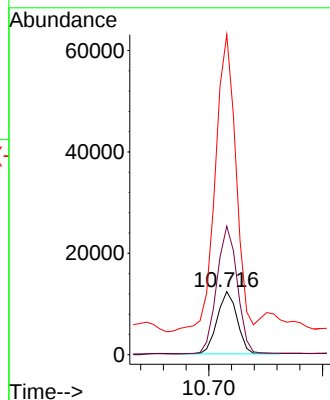
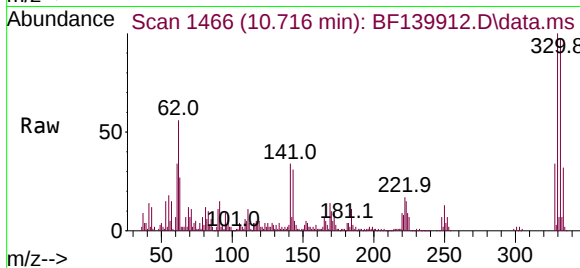




#67
4-Bromophenyl-phenylether
Concen: 3.784 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.241 min
Lab File: BF139912.D
Acq: 21 Oct 2024 19:34

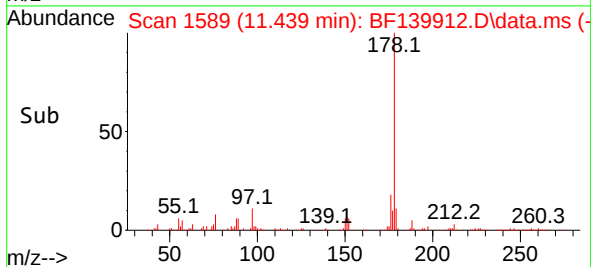
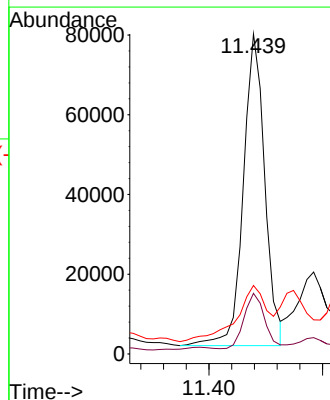
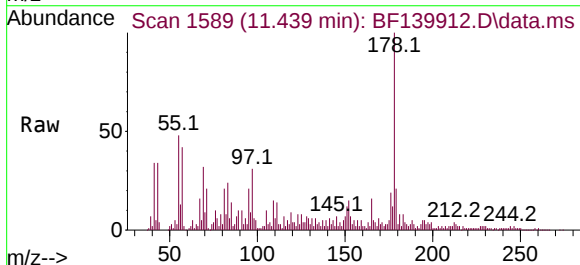
Instrument :
BNA_F
ClientSampleId :
IB-1

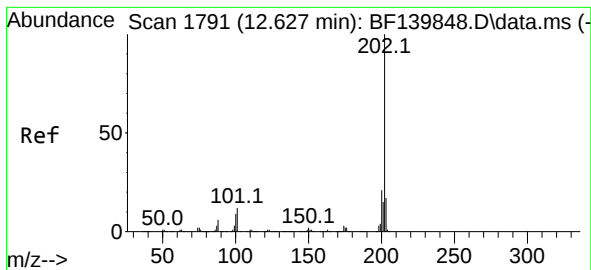
Tgt Ion:248 Resp: 15093
Ion Ratio Lower Upper
248 100
250 203.7 79.0 118.6#
141 507.6 61.7 92.5#



#71
Phenanthrene
Concen: 5.604 ng
RT: 11.439 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF139912.D
Acq: 21 Oct 2024 19:34

Tgt Ion:178 Resp: 102499
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 21.4 12.6 18.8#





#75

Fluoranthene

Concen: 7.720 ng

RT: 12.627 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139912.D

Acq: 21 Oct 2024 19:34

Instrument :

BNA_F

ClientSampleId :

IB-1

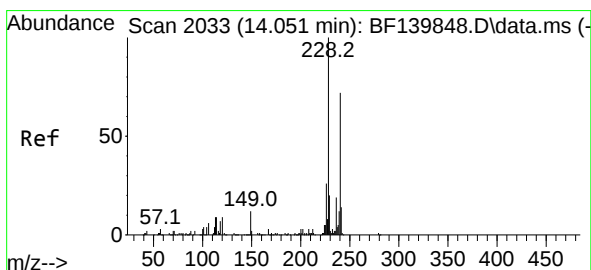
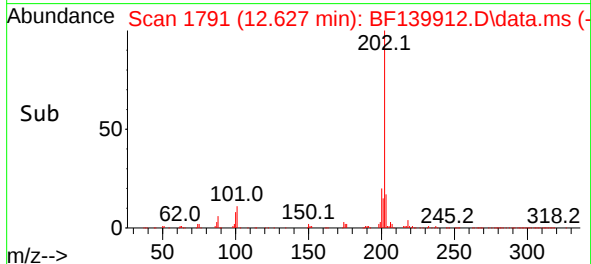
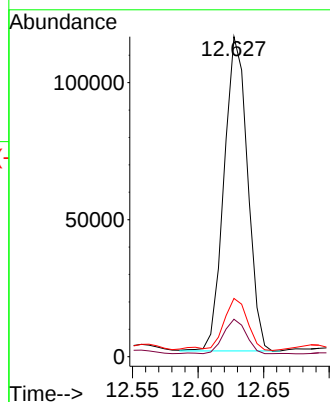
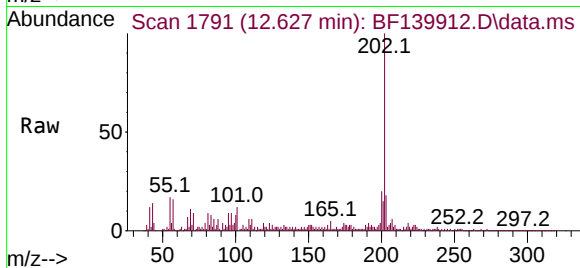
Tgt Ion:202 Resp: 142748

Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.9

203 18.2 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2034

Delta R.T. 0.006 min

Lab File: BF139912.D

Acq: 21 Oct 2024 19:34

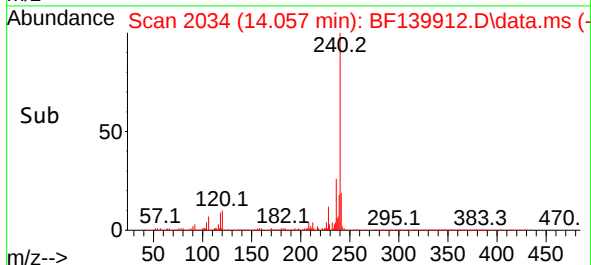
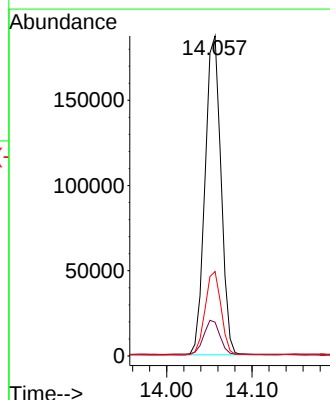
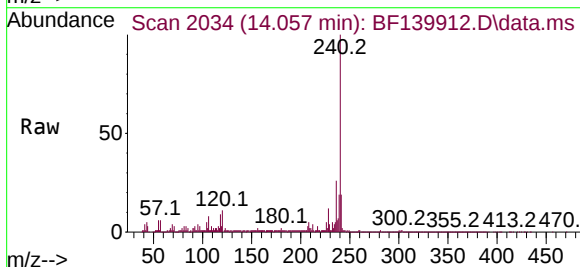
Tgt Ion:240 Resp: 242952

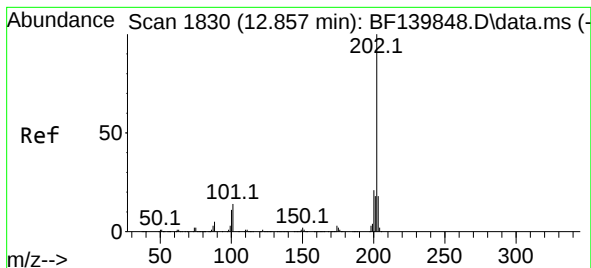
Ion Ratio Lower Upper

240 100

120 10.5 9.4 14.2

236 26.4 20.9 31.3





#78

Pyrene

Concen: 6.879 ng

RT: 12.857 min Scan# 1830

Delta R.T. 0.000 min

Lab File: BF139912.D

Acq: 21 Oct 2024 19:34

Instrument :

BNA_F

ClientSampleId :

IB-1

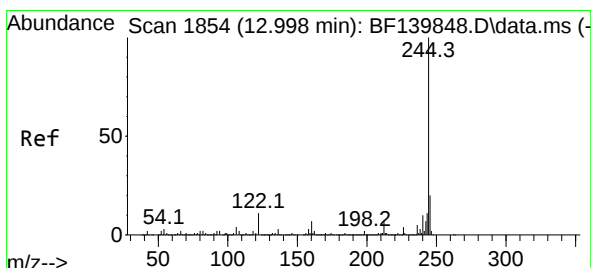
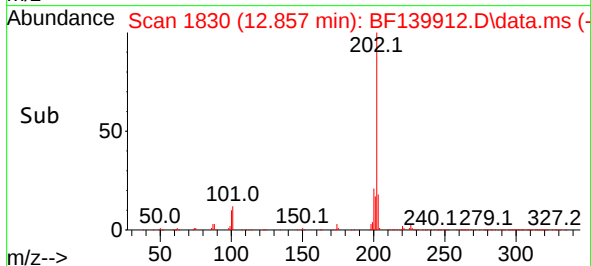
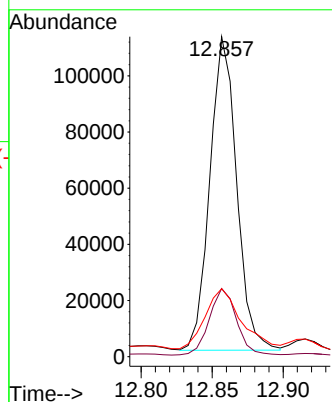
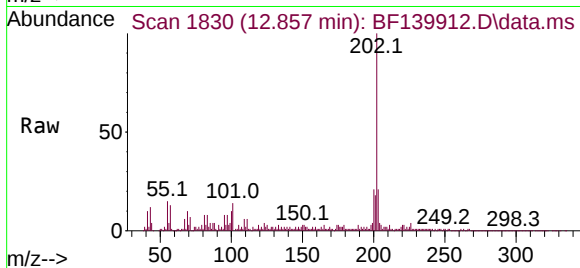
Tgt Ion:202 Resp: 146281

Ion Ratio Lower Upper

202 100

200 21.3 17.2 25.8

203 21.2 14.2 21.4



#79

Terphenyl-d14

Concen: 59.831 ng

RT: 13.004 min Scan# 1855

Delta R.T. 0.006 min

Lab File: BF139912.D

Acq: 21 Oct 2024 19:34

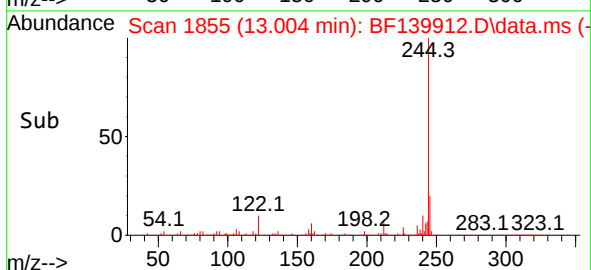
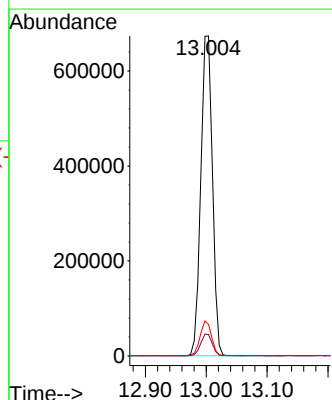
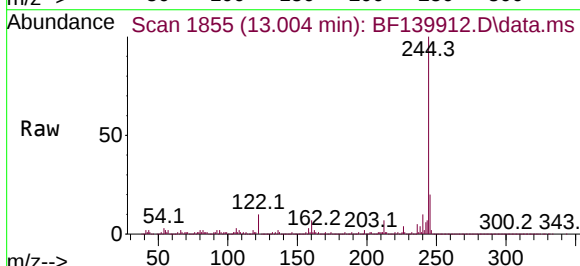
Tgt Ion:244 Resp: 892068

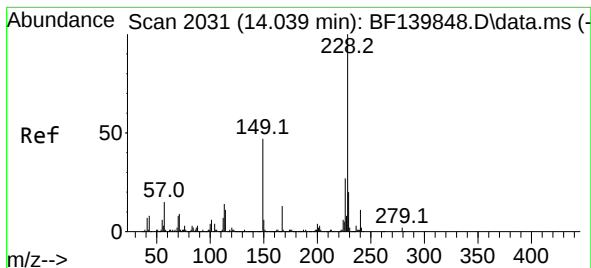
Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

122 9.9 8.6 13.0





#81

Benzo(a)anthracene

Concen: 4.709 ng

RT: 14.045 min Scan# 2032

Delta R.T. 0.006 min

Lab File: BF139912.D

Acq: 21 Oct 2024 19:34

Instrument :

BNA_F

ClientSampleId :

IB-1

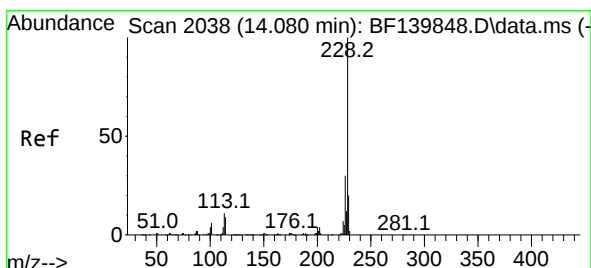
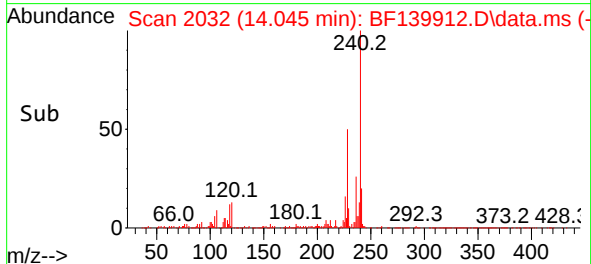
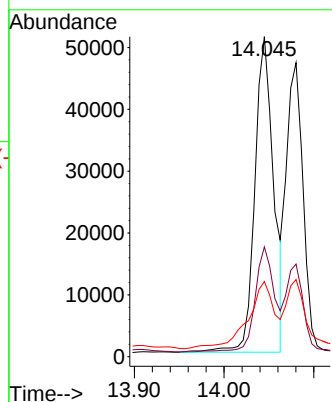
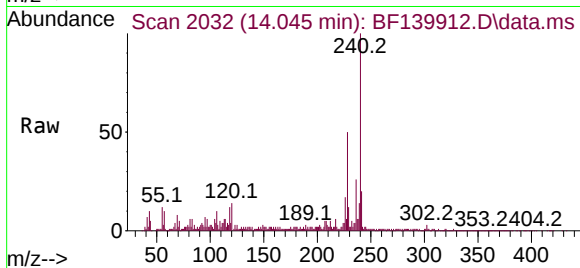
Tgt Ion:228 Resp: 74467

Ion Ratio Lower Upper

228 100

226 34.3 21.6 32.4#

229 23.5 16.1 24.1



#83

Chrysene

Concen: 5.135 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.035 min

Lab File: BF139912.D

Acq: 21 Oct 2024 19:34

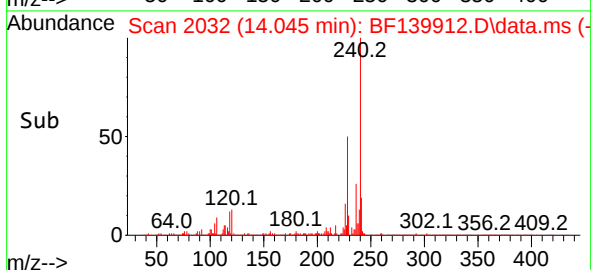
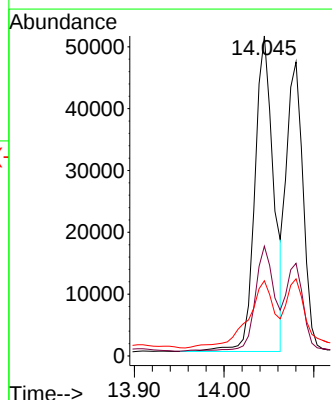
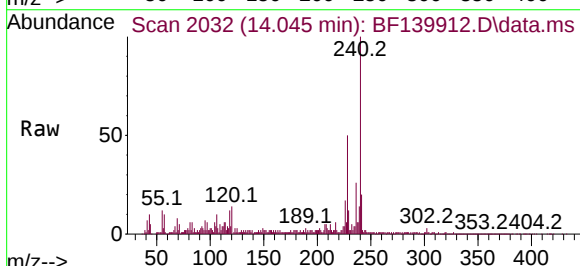
Tgt Ion:228 Resp: 74467

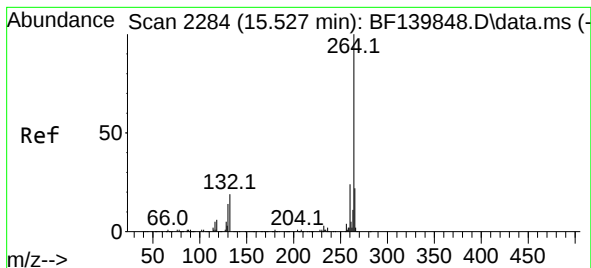
Ion Ratio Lower Upper

228 100

226 34.3 24.1 36.1

229 23.5 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139912.D

Acq: 21 Oct 2024 19:34

Instrument :

BNA_F

ClientSampleId :

IB-1

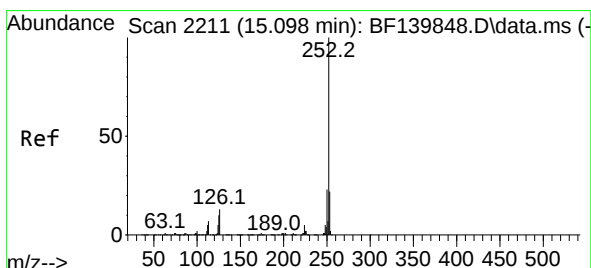
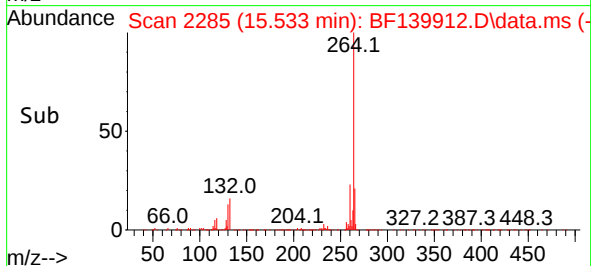
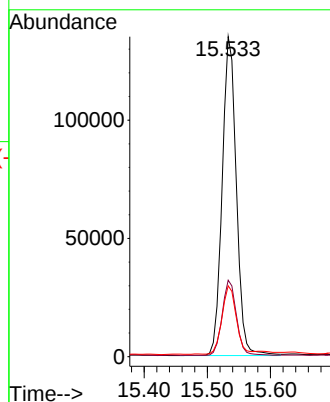
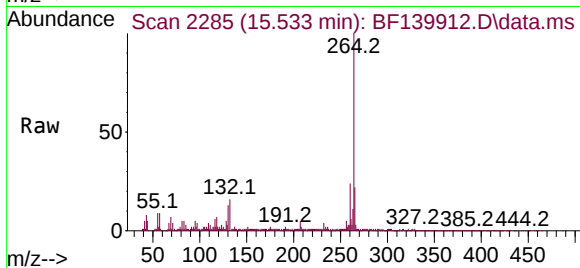
Tgt Ion:264 Resp: 210607

Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.2

265 22.2 17.4 26.0



#88

Benzo(b)fluoranthene

Concen: 7.202 ng

RT: 15.098 min Scan# 2211

Delta R.T. 0.000 min

Lab File: BF139912.D

Acq: 21 Oct 2024 19:34

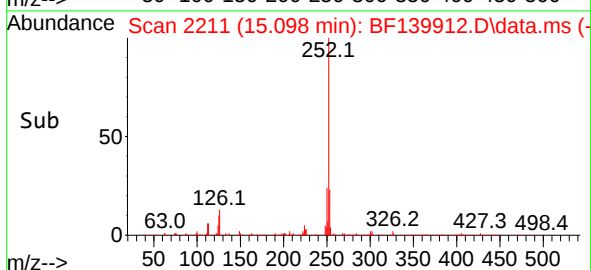
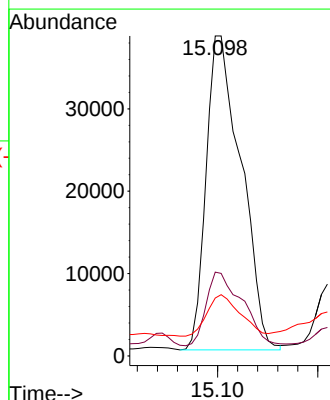
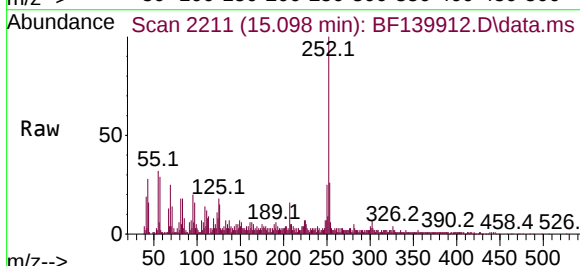
Tgt Ion:252 Resp: 92393

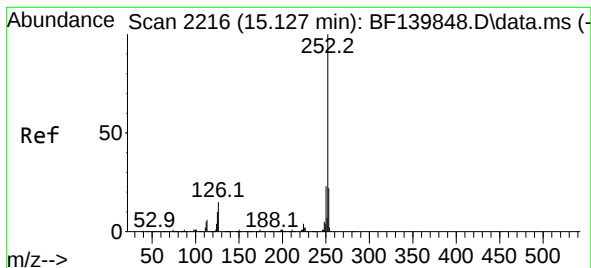
Ion Ratio Lower Upper

252 100

253 26.2 17.6 26.4

125 18.1 7.9 11.9#





#89

Benzo(k)fluoranthene

Concen: 8.351 ng

RT: 15.098 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF139912.D

Acq: 21 Oct 2024 19:34

Instrument :

BNA_F

ClientSampleId :

IB-1

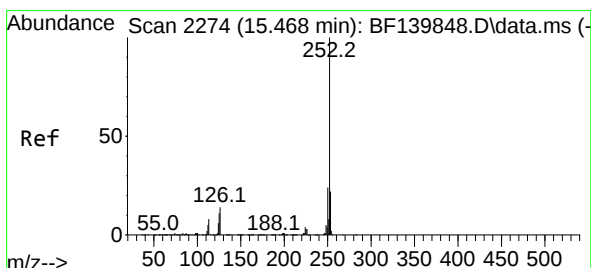
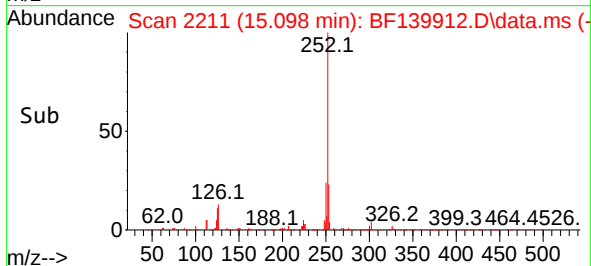
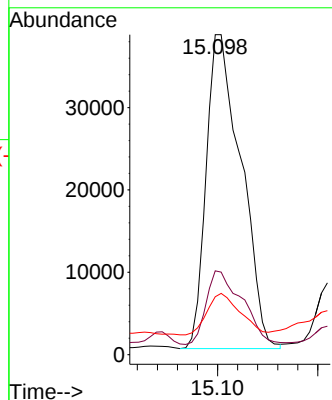
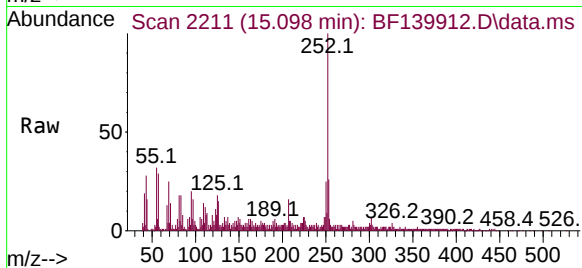
Tgt Ion:252 Resp: 92393

Ion Ratio Lower Upper

252 100

253 26.2 17.6 26.4

125 18.1 7.9 11.9#



#90

Benzo(a)pyrene

Concen: 4.930 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF139912.D

Acq: 21 Oct 2024 19:34

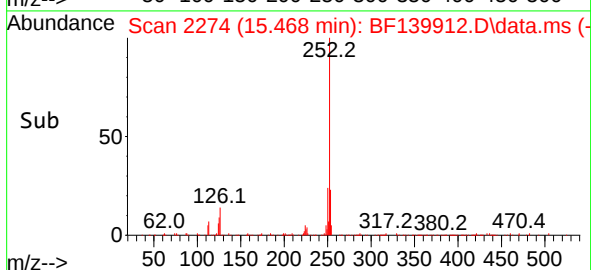
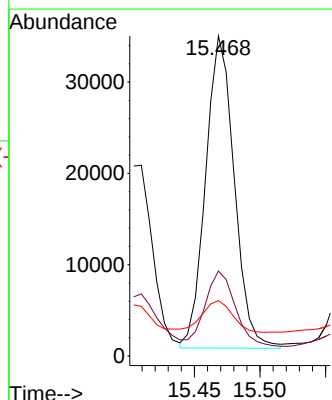
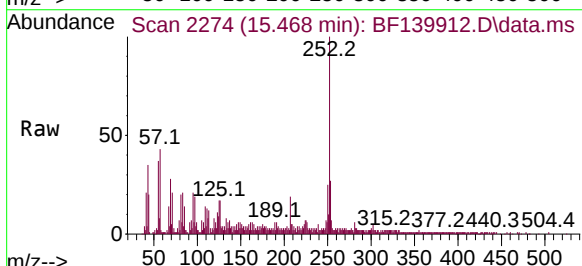
Tgt Ion:252 Resp: 52041

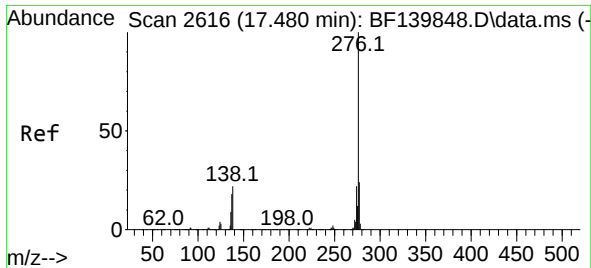
Ion Ratio Lower Upper

252 100

253 26.5 17.3 25.9#

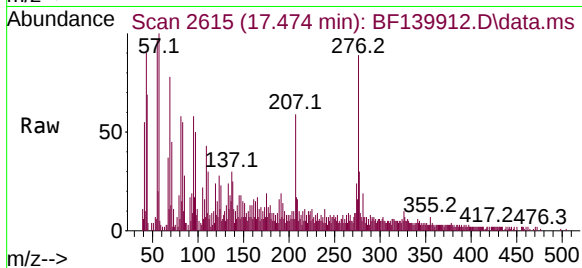
125 17.3 8.7 13.1#





#92
 Benzo(g,h,i)perylene
 Concen: 2.042 ng
 RT: 17.474 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF139912.D
 Acq: 21 Oct 2024 19:34

Instrument :
 BNA_F
 ClientSampleId :
 IB-1



Tgt Ion:276	Resp:	23050
Ion	Ratio	Lower Upper
276	100	
277	33.3	19.0 28.6#
138	27.9	17.4 26.0#

