

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091724\
 Data File : BF139406.D
 Acq On : 17 Sep 2024 17:07
 Operator : RC/JU
 Sample : P3985-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Time: Sep 17 17:37:16 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

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

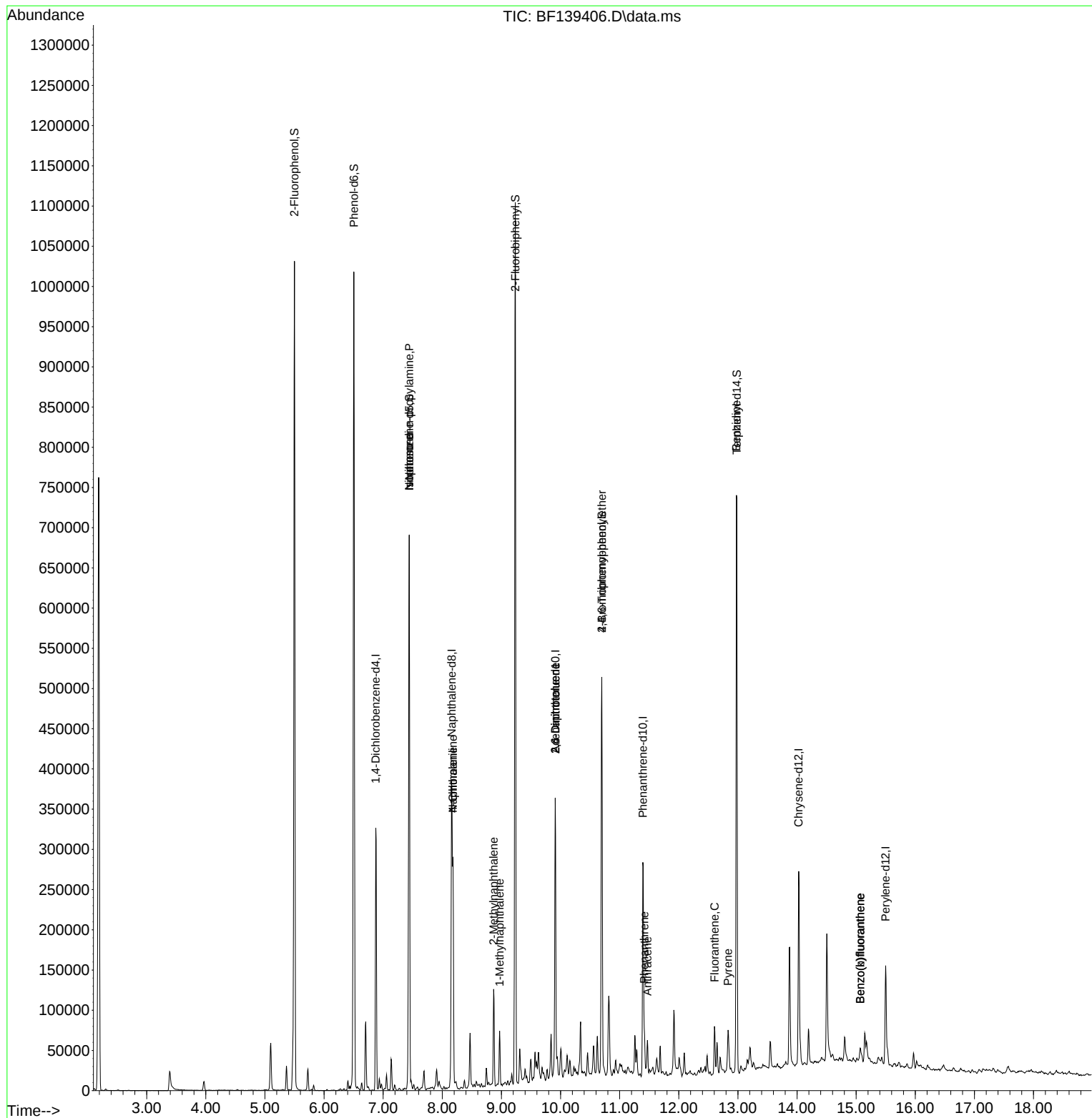
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	62180	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	217804	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	96570	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	136346	20.000	ng	0.00
76) Chrysene-d12	14.027	240	101545	20.000	ng	0.00
86) Perylene-d12	15.498	264	67255	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	323784	84.948	ng	0.00
7) Phenol-d6	6.504	99	417558	83.462	ng	0.00
23) Nitrobenzene-d5	7.440	82	284035	61.307	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	68087	66.226	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	444189	64.511	ng	0.00
79) Terphenyl-d14	12.980	244	337692	54.585	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	40727	13.737	ng	# 74
25) Isophorone	7.440	82	284033	38.765	ng	# 66
31) Naphthalene	8.181	128	151857	13.355	ng	99
33) 4-Chloroaniline	8.181	127	19957	5.737	ng	# 33
37) 2-Methylnaphthalene	8.869	142	41577	5.761	ng	98
38) 1-Methylnaphthalene	8.969	142	22216	3.135	ng	98
51) 2,6-Dinitrotoluene	9.910	165	14523	10.343	ng	# 16
57) 2,4-Dinitrotoluene	9.910	165	14523	7.661	ng	# 17
67) 4-Bromophenyl-phenylether	10.698	248	4862	3.598	ng	# 1
71) Phenanthrene	11.416	178	25770	3.918	ng	100
72) Anthracene	11.469	178	21355	3.320	ng	98
75) Fluoranthene	12.604	202	31181	4.439	ng	99
77) Benzidine	12.975	184	5614	3.859	ng	# 90
78) Pyrene	12.833	202	27780	3.186	ng	97
88) Benzo(b)fluoranthene	15.069	252	11382	2.744	ng	# 91
89) Benzo(k)fluoranthene	15.069	252	11382	2.976	ng	# 90

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

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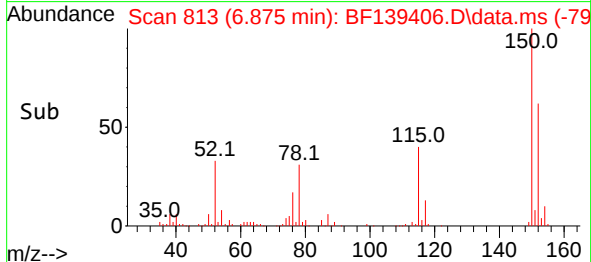
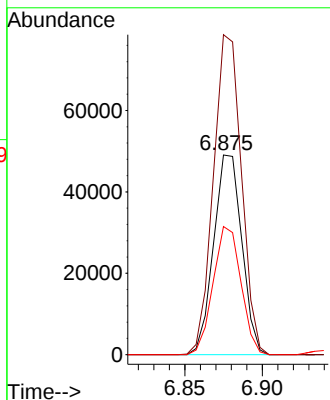
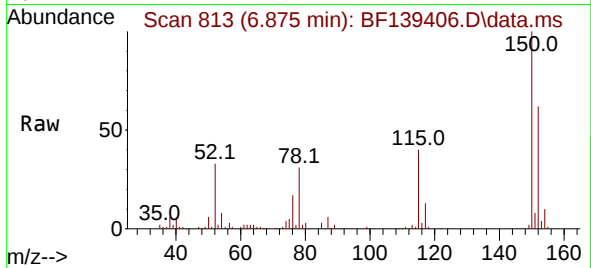




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139406.D
Acq: 17 Sep 2024 17:07

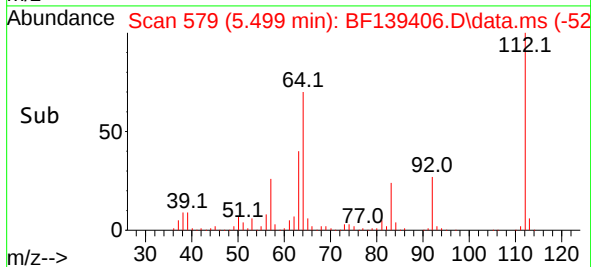
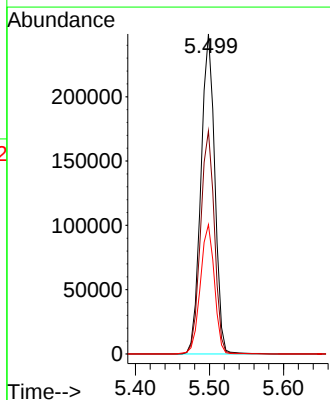
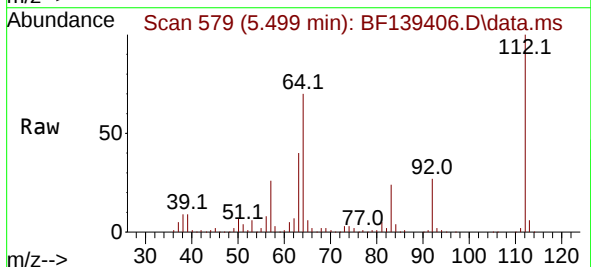
Instrument :
BNA_F
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TP-3

Tgt Ion:152 Resp: 62180
Ion Ratio Lower Upper
152 100
150 160.3 124.1 186.1
115 64.2 48.1 72.1



#5
2-Fluorophenol
Concen: 84.948 ng
RT: 5.499 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF139406.D
Acq: 17 Sep 2024 17:07

Tgt Ion:112 Resp: 323784
Ion Ratio Lower Upper
112 100
64 69.7 54.8 82.2
63 40.4 33.0 49.4

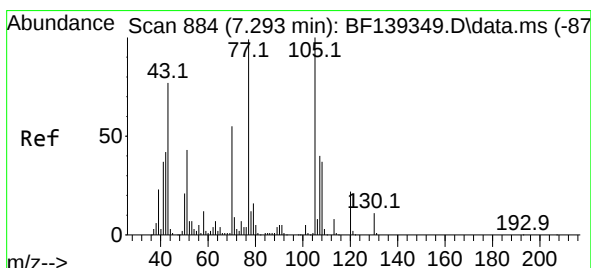
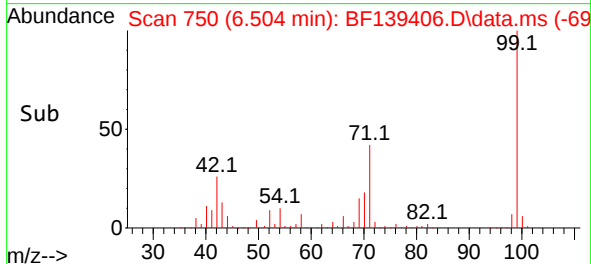
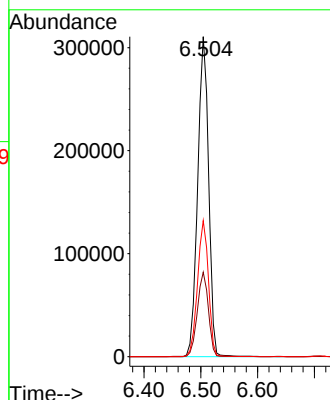
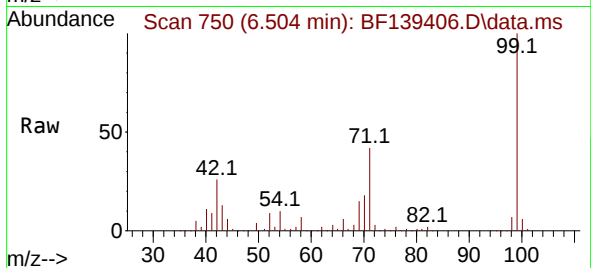




#7
Phenol-d6
Concen: 83.462 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139406.D
Acq: 17 Sep 2024 17:07

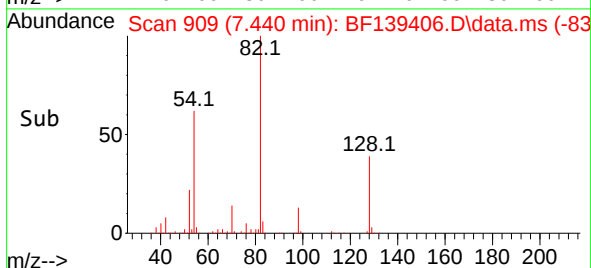
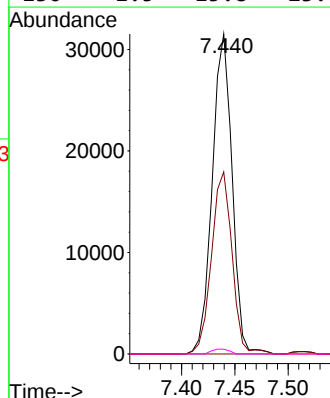
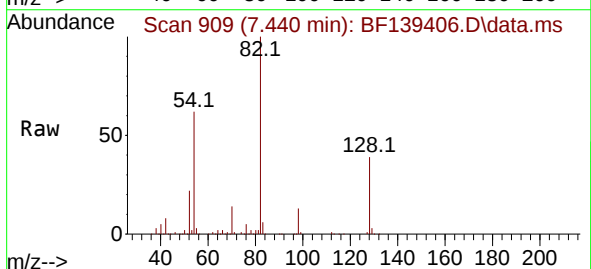
Instrument :
BNA_F
ClientSampleId :
TP-3

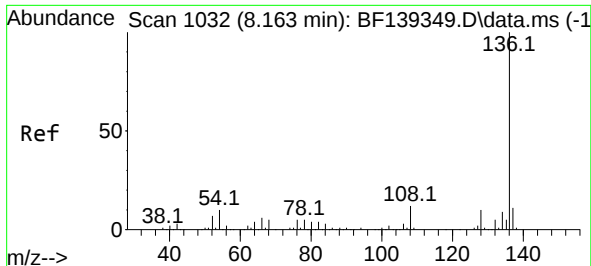
Tgt Ion: 99 Resp: 417558
Ion Ratio Lower Upper
99 100
42 26.4 21.9 32.9
71 42.5 34.6 52.0



#19
n-Nitroso-di-n-propylamine
Concen: 13.737 ng
RT: 7.440 min Scan# 909
Delta R.T. 0.147 min
Lab File: BF139406.D
Acq: 17 Sep 2024 17:07

Tgt Ion: 70 Resp: 40727
Ion Ratio Lower Upper
70 100
42 56.9 61.2 91.8#
101 0.0 7.5 11.3#
130 1.5 15.8 23.8#



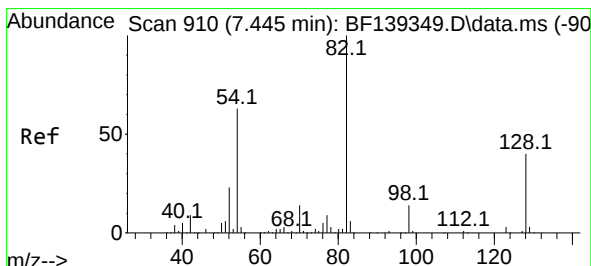
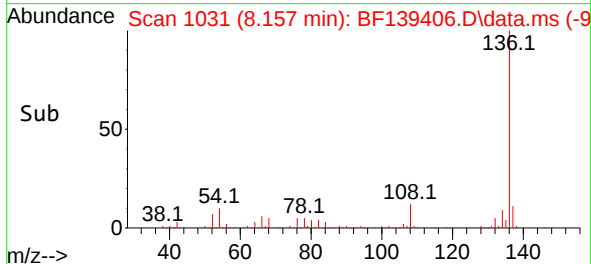
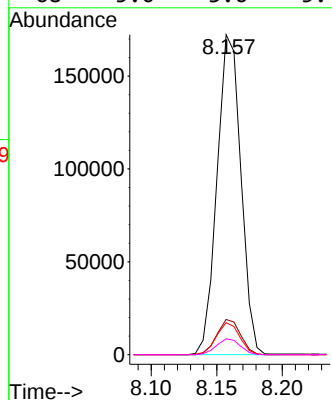
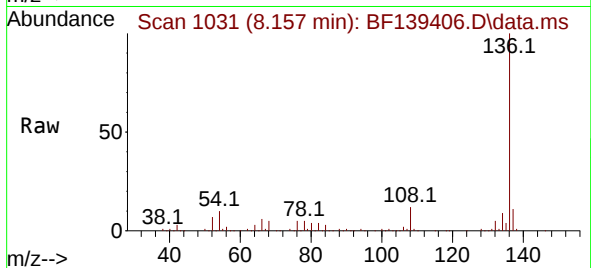


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139406.D
Acq: 17 Sep 2024 17:07

Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion:136 Resp: 217804

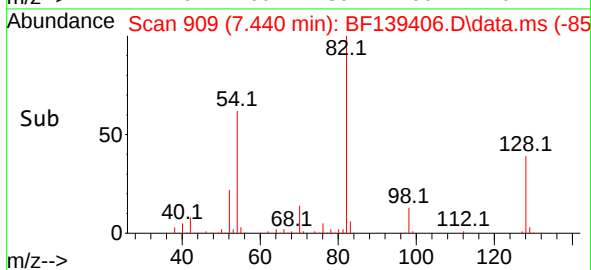
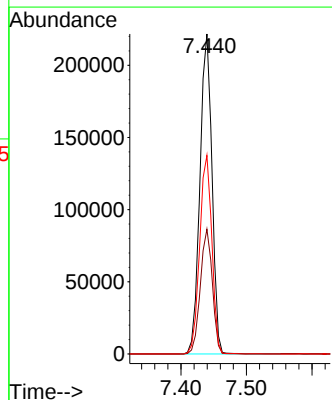
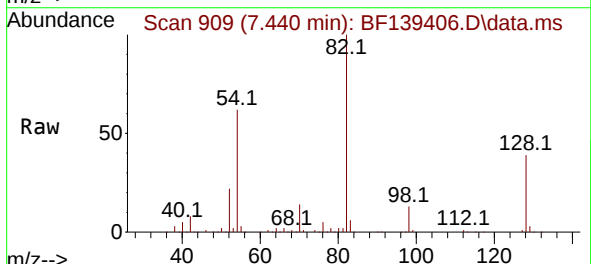
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	10.0	7.8	11.8
68	5.0	3.6	5.4



#23
Nitrobenzene-d5
Concen: 61.307 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF139406.D
Acq: 17 Sep 2024 17:07

Tgt Ion: 82 Resp: 284035

Ion	Ratio	Lower	Upper
82	100		
128	39.0	31.8	47.6
54	62.0	50.6	75.8

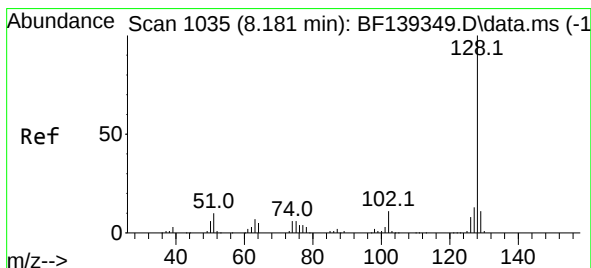
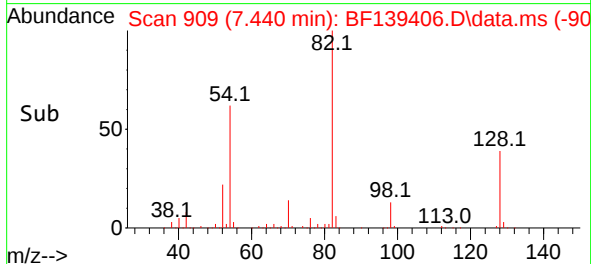
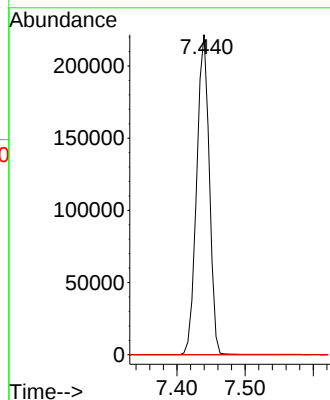
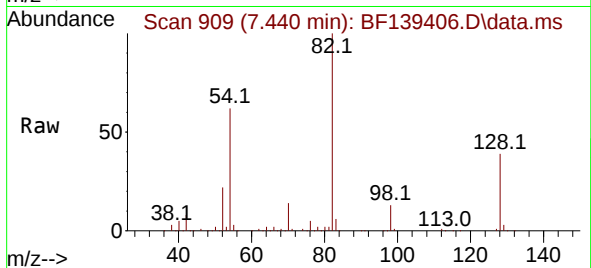




#25
Isophorone
Concen: 38.765 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.259 min
Lab File: BF139406.D
Acq: 17 Sep 2024 17:07

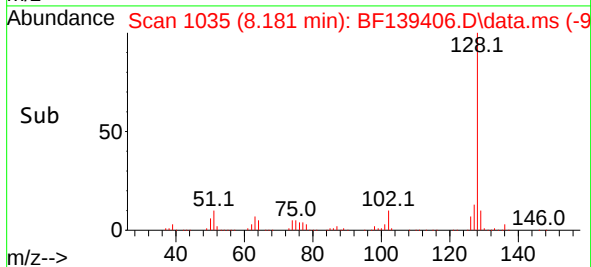
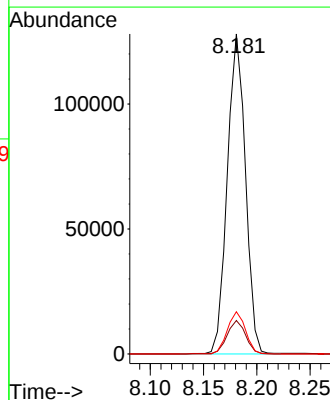
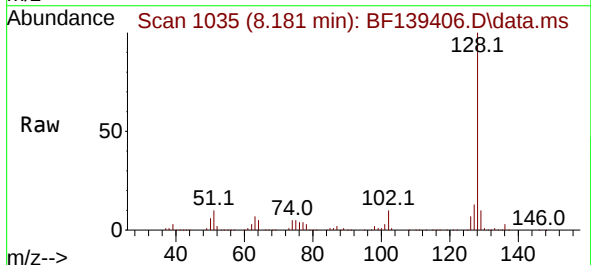
Instrument :
BNA_F
ClientSampleId :
TP-3

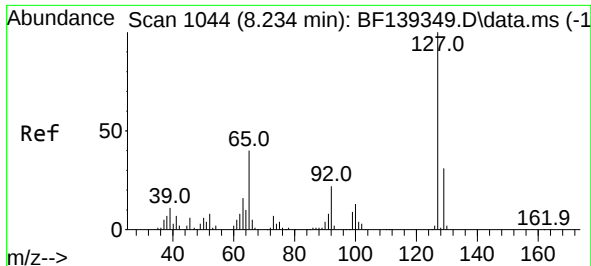
Tgt Ion: 82 Resp: 284033
Ion Ratio Lower Upper
82 100
95 0.0 6.7 10.1#
138 0.0 13.3 19.9#



#31
Naphthalene
Concen: 13.355 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139406.D
Acq: 17 Sep 2024 17:07

Tgt Ion:128 Resp: 151857
Ion Ratio Lower Upper
128 100
129 10.5 8.6 13.0
127 13.2 10.6 16.0

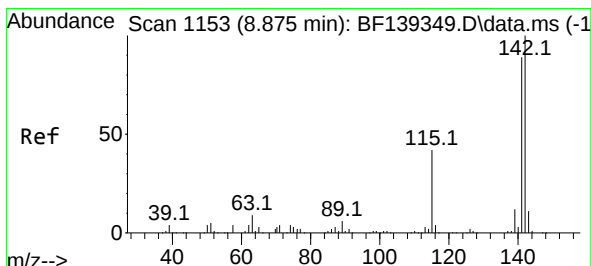
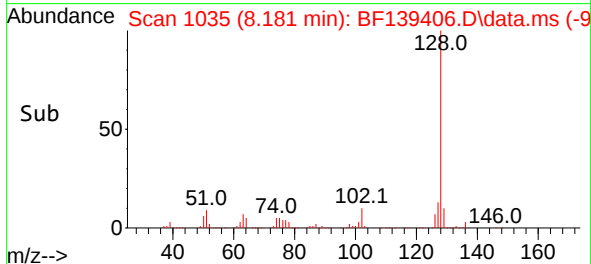
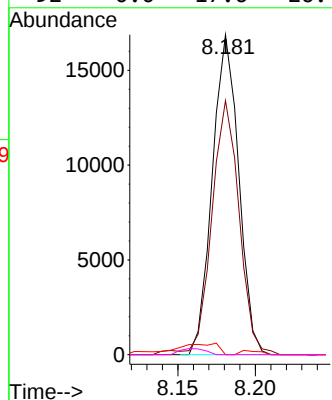
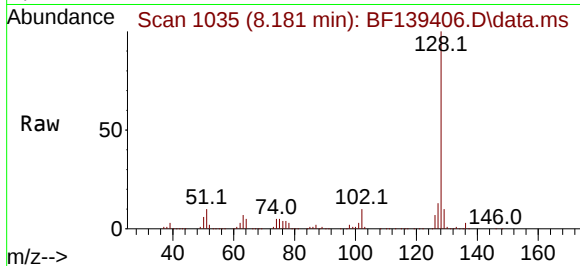




#33
4-Chloroaniline
Concen: 5.737 ng
RT: 8.181 min Scan# 110
Delta R.T. -0.053 min
Lab File: BF139406.D
Acq: 17 Sep 2024 17:07

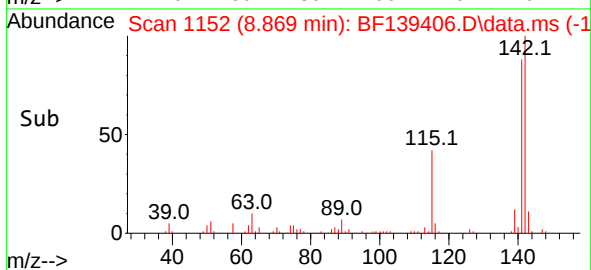
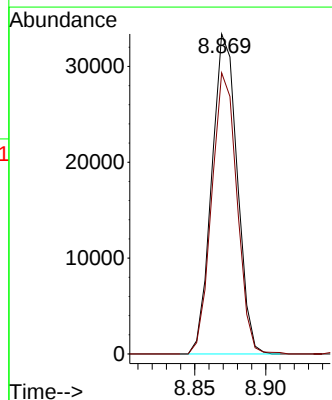
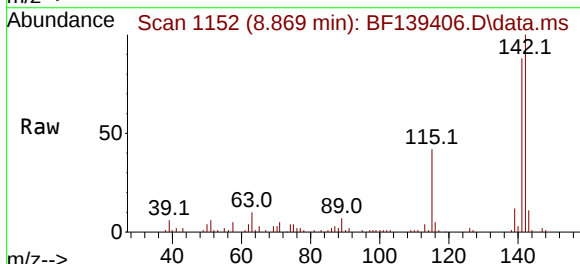
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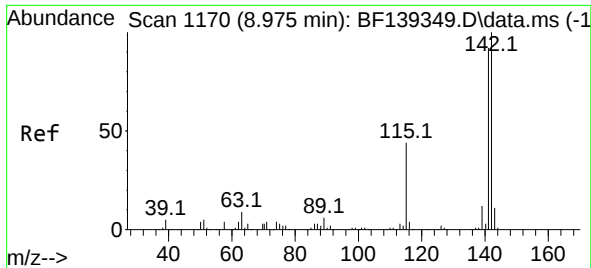
Tgt Ion:127	Resp:	19957
Ion Ratio	Lower	Upper
127	100	
129	79.4	25.5 38.3#
65	0.0	31.5 47.3#
92	0.0	17.6 26.4#



#37
2-Methylnaphthalene
Concen: 5.761 ng
RT: 8.869 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BF139406.D
Acq: 17 Sep 2024 17:07

Tgt Ion:142	Resp:	41577
Ion Ratio	Lower	Upper
142	100	
141	87.9	71.6 107.4

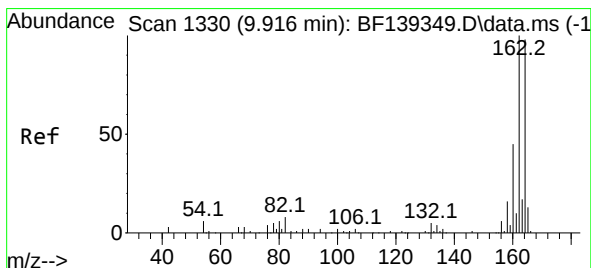
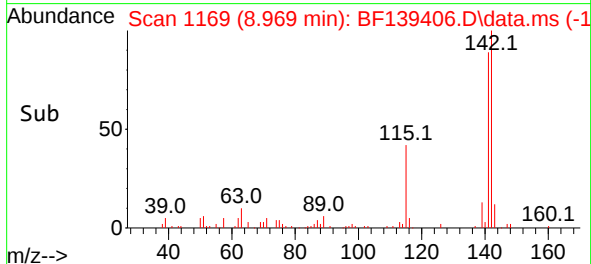
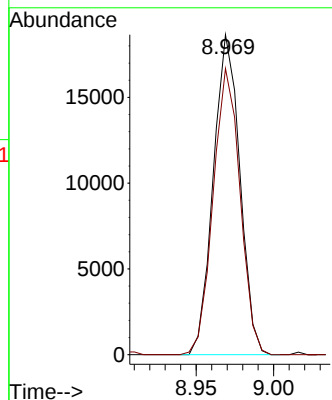
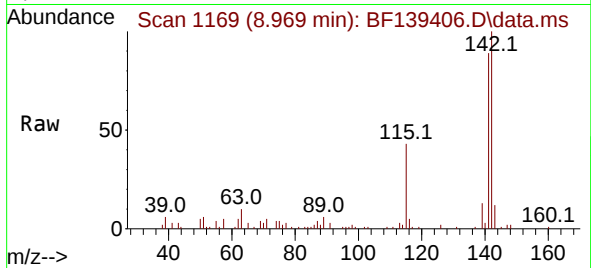




#38
1-Methylnaphthalene
Concen: 3.135 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF139406.D
Acq: 17 Sep 2024 17:07

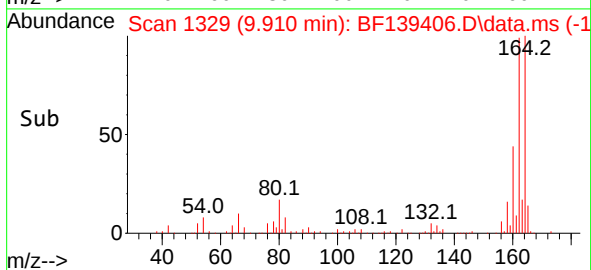
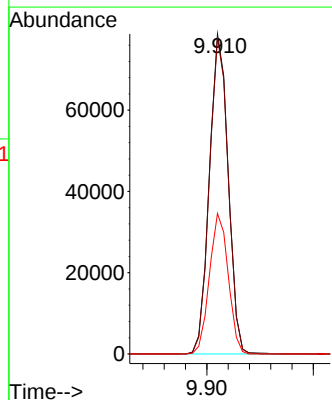
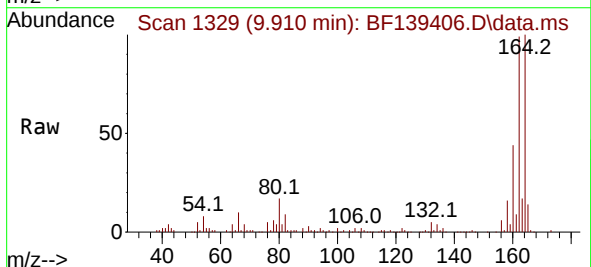
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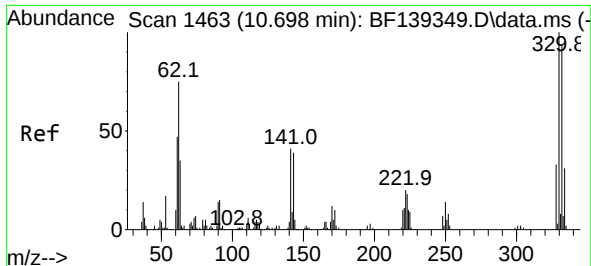
Tgt Ion:142 Resp: 22216
Ion Ratio Lower Upper
142 100
141 89.4 73.2 109.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF139406.D
Acq: 17 Sep 2024 17:07

Tgt Ion:164 Resp: 96570
Ion Ratio Lower Upper
164 100
162 99.0 81.3 121.9
160 43.9 36.4 54.6

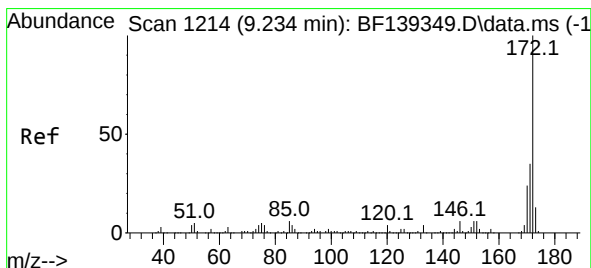
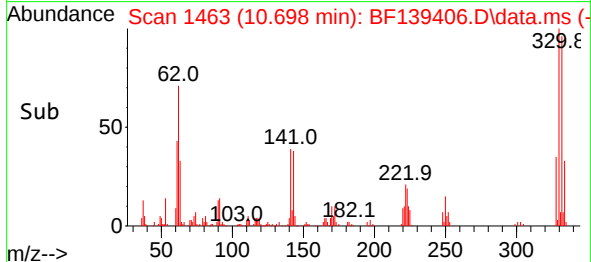
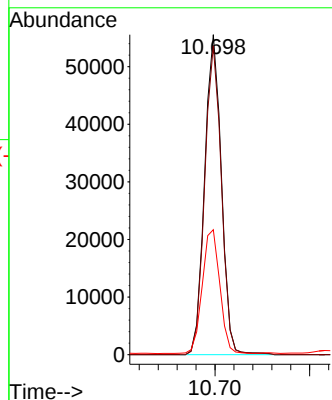
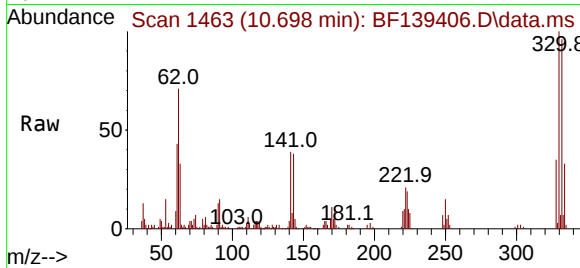




#42
2,4,6-Tribromophenol
Concen: 66.226 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139406.D
Acq: 17 Sep 2024 17:07

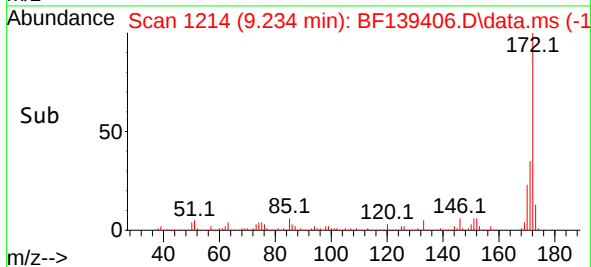
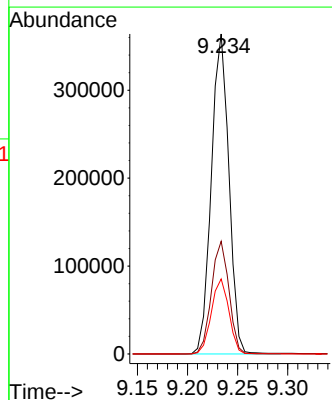
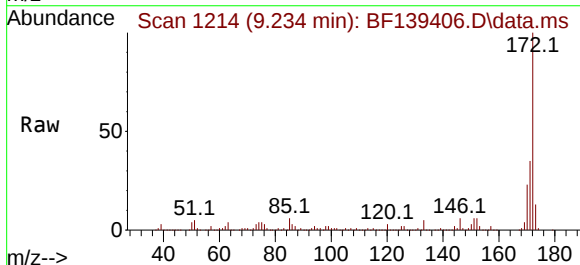
Instrument :
BNA_F
ClientSampleId :
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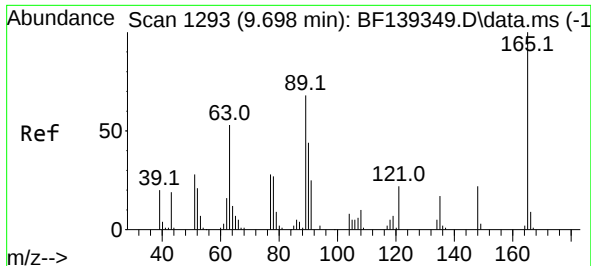
Tgt Ion: 330 Resp: 68087
Ion Ratio Lower Upper
330 100
332 96.2 75.2 112.8
141 40.2 31.2 46.8



#45
2-Fluorobiphenyl
Concen: 64.511 ng
RT: 9.234 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF139406.D
Acq: 17 Sep 2024 17:07

Tgt Ion: 172 Resp: 444189
Ion Ratio Lower Upper
172 100
171 35.2 28.3 42.5
170 23.5 19.0 28.6

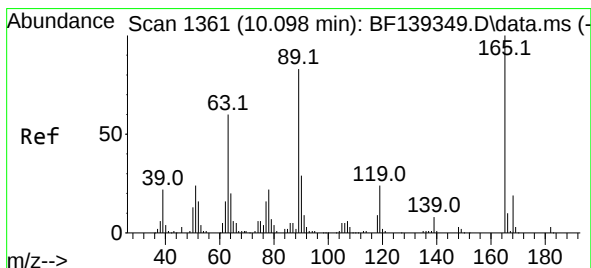
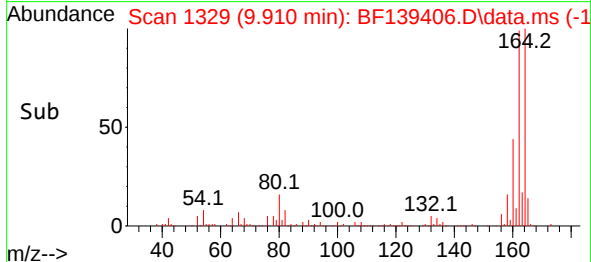
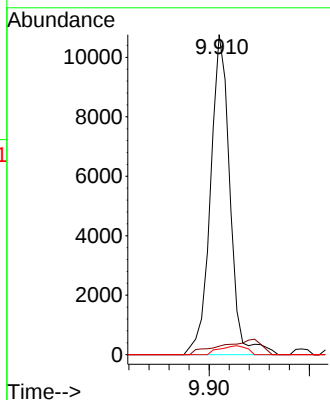
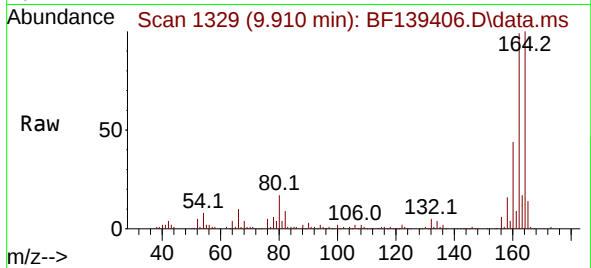




#51
2,6-Dinitrotoluene
Concen: 10.343 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF139406.D
Acq: 17 Sep 2024 17:07

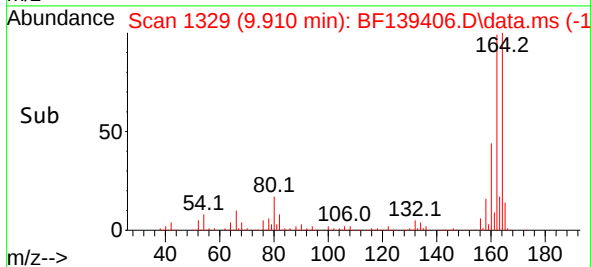
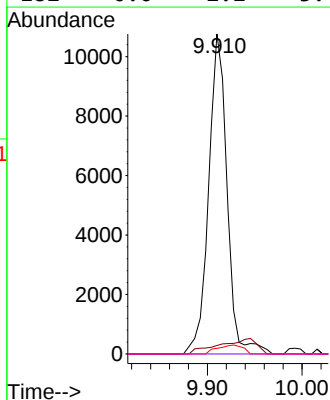
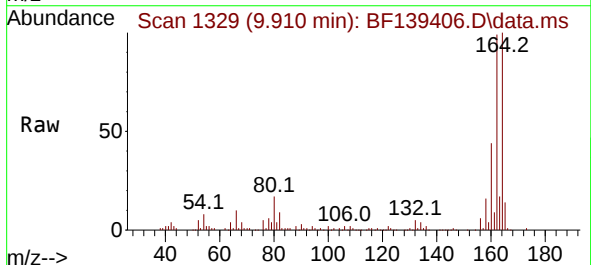
Instrument :
BNA_F
ClientSampleId :
TP-3

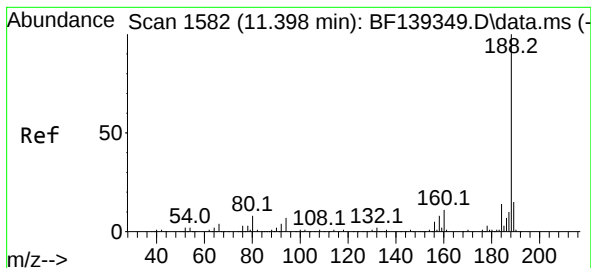
Tgt Ion:165 Resp: 14523
Ion Ratio Lower Upper
165 100
63 2.7 60.9 91.3#
89 1.7 54.7 82.1#



#57
2,4-Dinitrotoluene
Concen: 7.661 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.188 min
Lab File: BF139406.D
Acq: 17 Sep 2024 17:07

Tgt Ion:165 Resp: 14523
Ion Ratio Lower Upper
165 100
63 2.7 47.8 71.6#
89 1.7 66.7 100.1#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139406.D

Acq: 17 Sep 2024 17:07

Instrument :

BNA_F

ClientSampleId :

TP-3

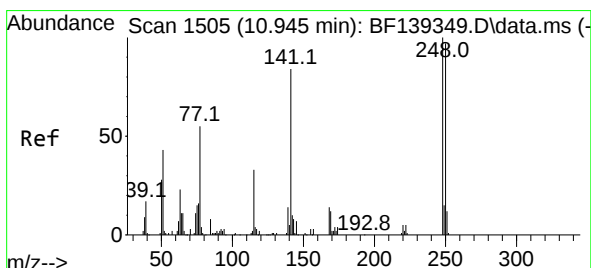
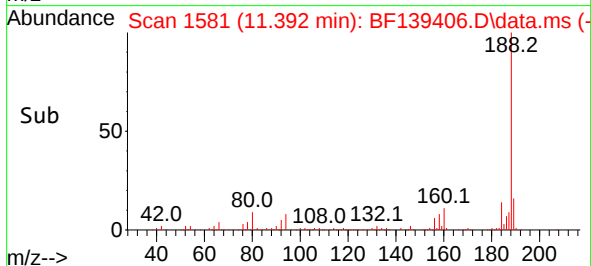
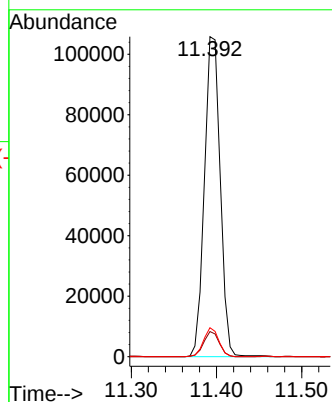
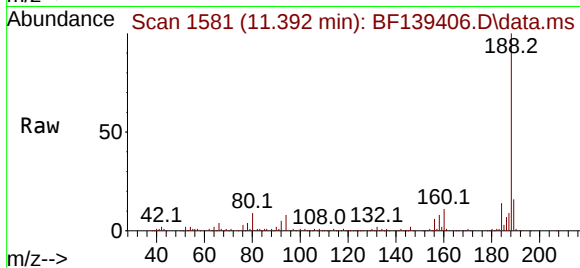
Tgt Ion:188 Resp: 136346

Ion Ratio Lower Upper

188 100

94 7.8 5.5 8.3

80 9.0 6.6 9.8



#67

4-Bromophenyl-phenylether

Concen: 3.598 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF139406.D

Acq: 17 Sep 2024 17:07

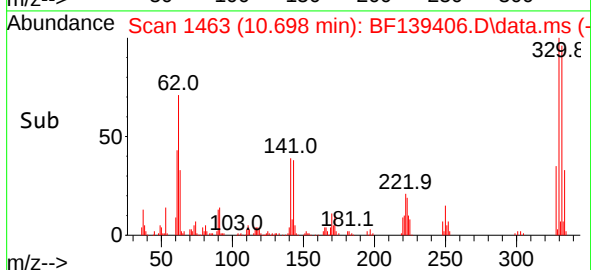
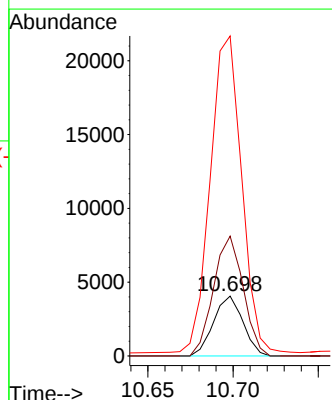
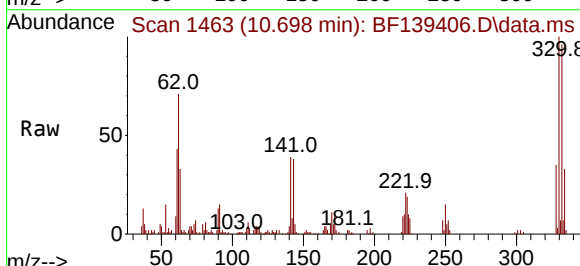
Tgt Ion:248 Resp: 4862

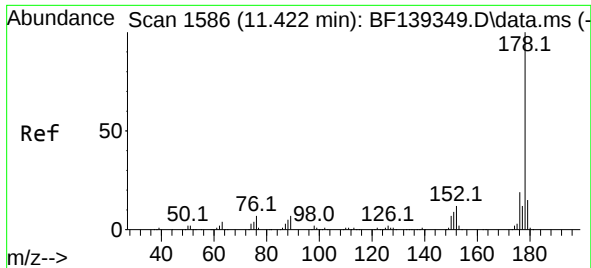
Ion Ratio Lower Upper

248 100

250 200.2 77.6 116.4#

141 534.8 66.9 100.3#

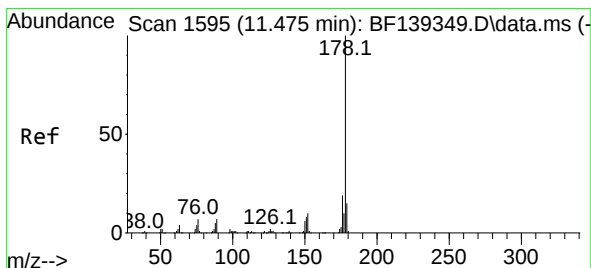
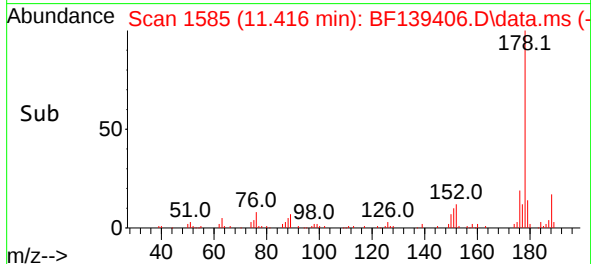
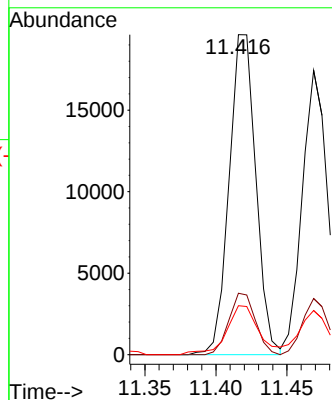
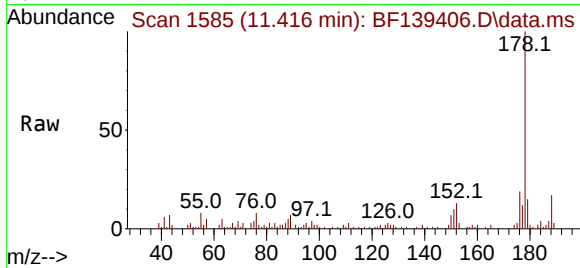




#71
Phenanthrene
Concen: 3.918 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139406.D
Acq: 17 Sep 2024 17:07

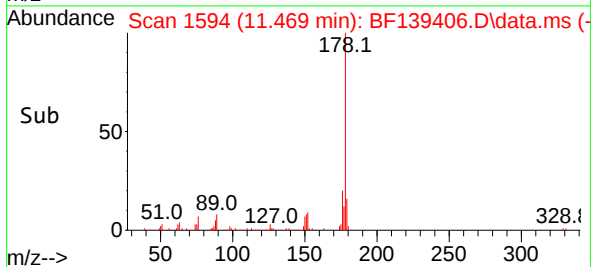
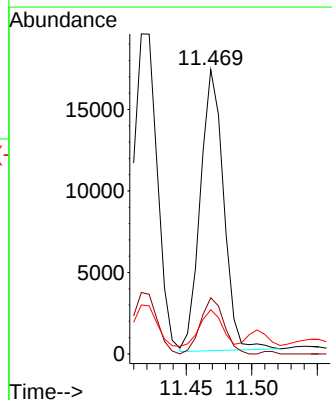
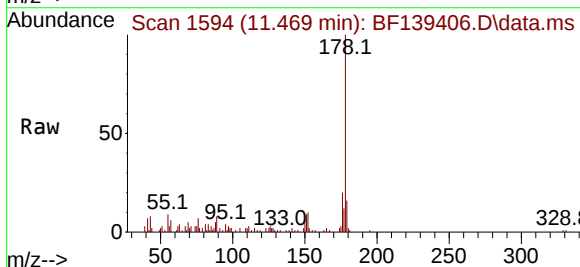
Instrument :
BNA_F
ClientSampleId :
TP-3

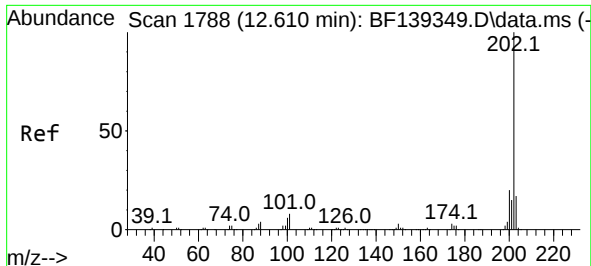
Tgt Ion:178 Resp: 25770
Ion Ratio Lower Upper
178 100
176 19.2 15.2 22.8
179 15.3 12.2 18.4



#72
Anthracene
Concen: 3.320 ng
RT: 11.469 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BF139406.D
Acq: 17 Sep 2024 17:07

Tgt Ion:178 Resp: 21355
Ion Ratio Lower Upper
178 100
176 19.8 15.0 22.6
179 15.5 12.0 18.0

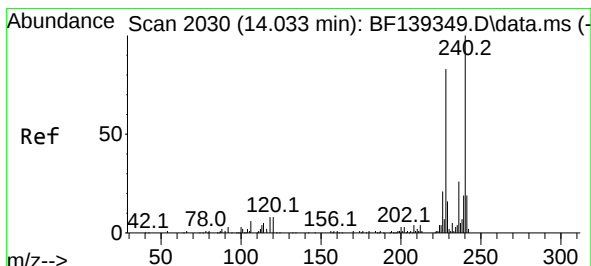
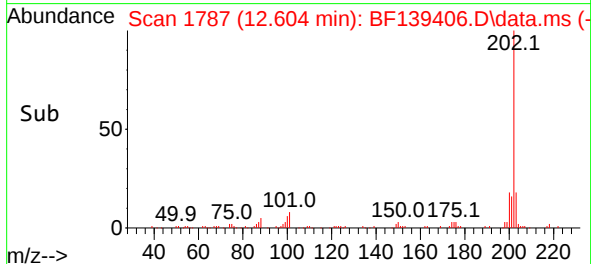
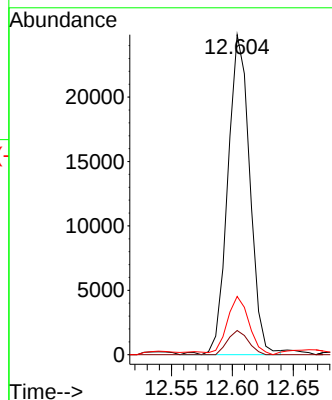
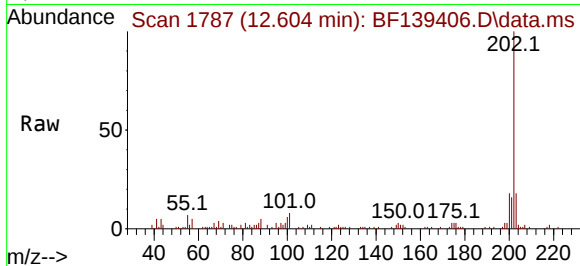




#75
Fluoranthene
Concen: 4.439 ng
RT: 12.604 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139406.D
Acq: 17 Sep 2024 17:07

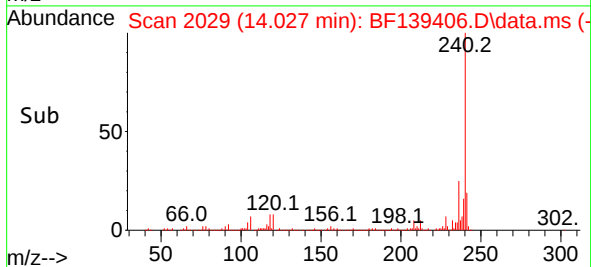
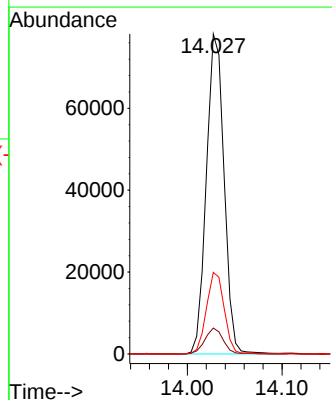
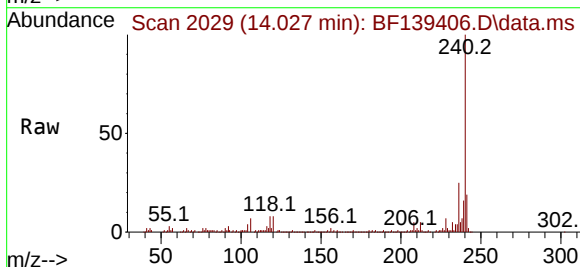
Instrument :
BNA_F
ClientSampleId :
TP-3

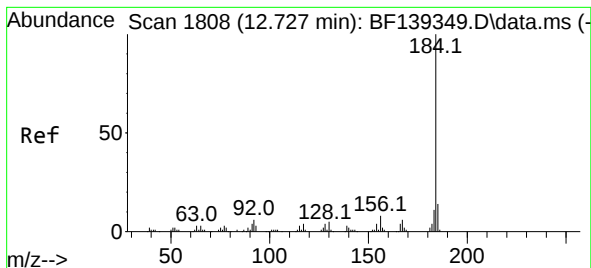
Tgt Ion:202 Resp: 31181
Ion Ratio Lower Upper
202 100
101 7.6 0.0 27.7
203 18.2 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF139406.D
Acq: 17 Sep 2024 17:07

Tgt Ion:240 Resp: 101545
Ion Ratio Lower Upper
240 100
120 8.1 6.2 9.2
236 25.5 20.9 31.3





#77

Benzidine

Concen: 3.859 ng

RT: 12.975 min Scan# 1850

Delta R.T. 0.247 min

Lab File: BF139406.D

Acq: 17 Sep 2024 17:07

Instrument :

BNA_F

ClientSampleId :

TP-3

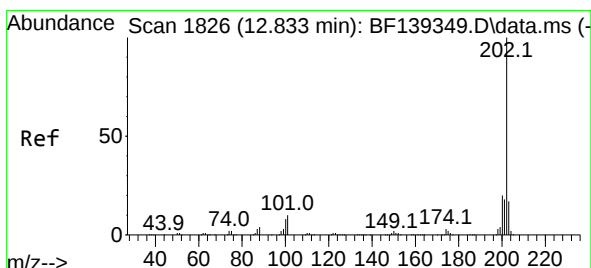
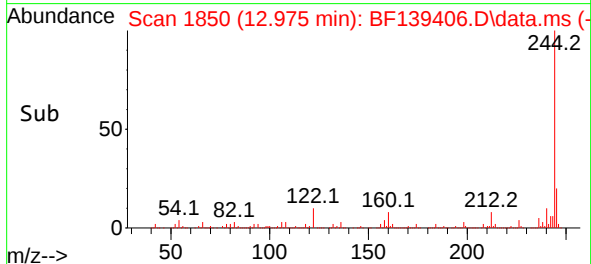
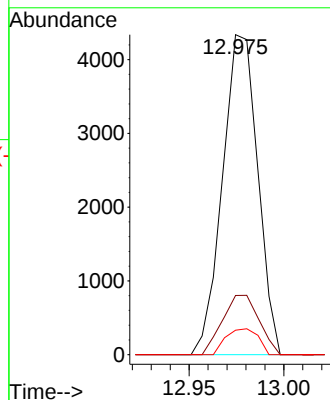
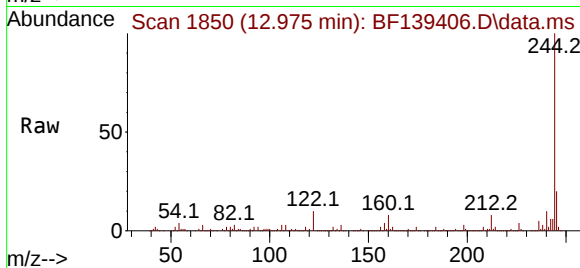
Tgt Ion:184 Resp: 5614

Ion Ratio Lower Upper

184 100

185 18.5 11.5 17.3#

183 7.6 8.9 13.3#



#78

Pyrene

Concen: 3.186 ng

RT: 12.833 min Scan# 1826

Delta R.T. -0.000 min

Lab File: BF139406.D

Acq: 17 Sep 2024 17:07

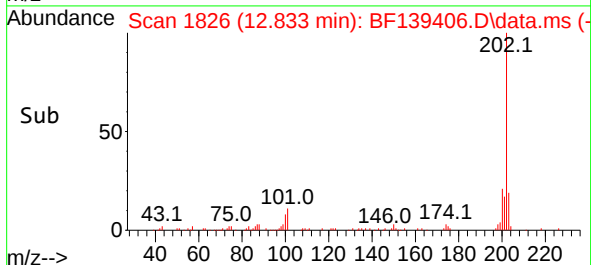
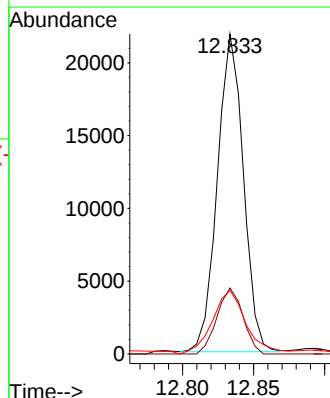
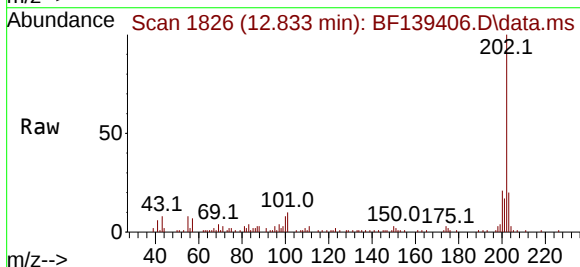
Tgt Ion:202 Resp: 27780

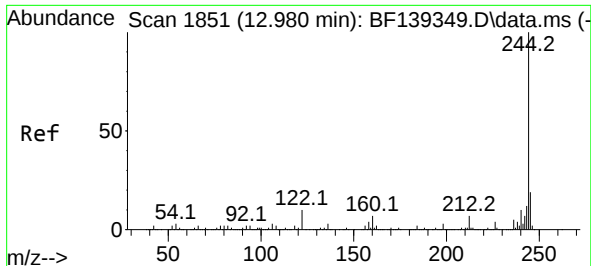
Ion Ratio Lower Upper

202 100

200 20.6 16.2 24.2

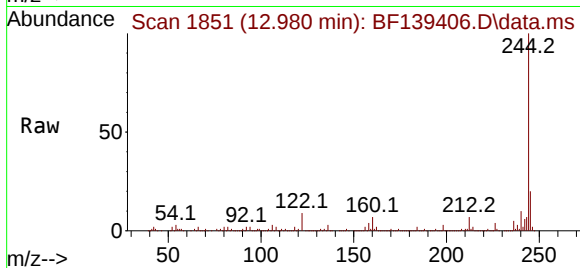
203 19.8 13.9 20.9



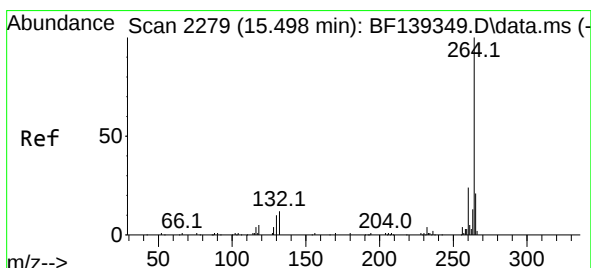
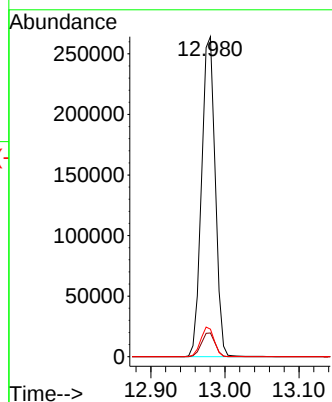
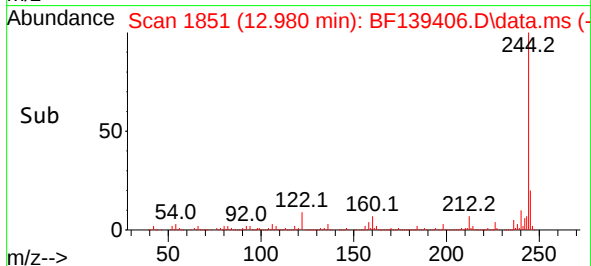


#79
 Terphenyl-d14
 Concen: 54.585 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.000 min
 Lab File: BF139406.D
 Acq: 17 Sep 2024 17:07

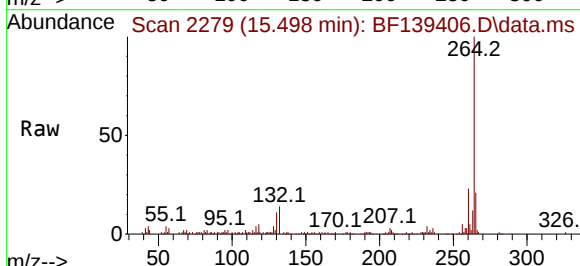
Instrument :
 BNA_F
 ClientSampleId :
 TP-3



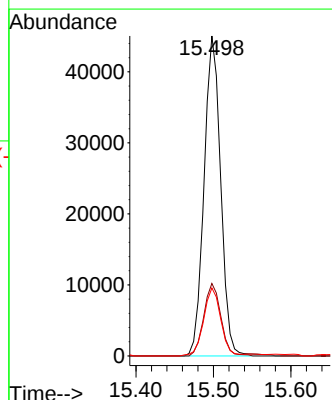
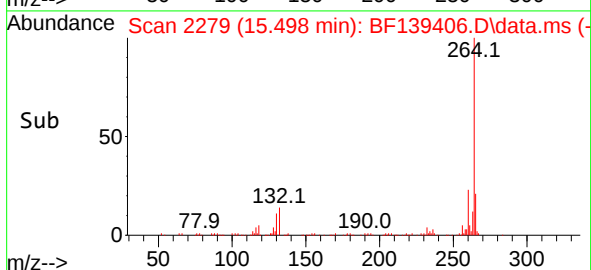
Tgt Ion:244 Resp: 337692
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 8.6 7.6 11.4

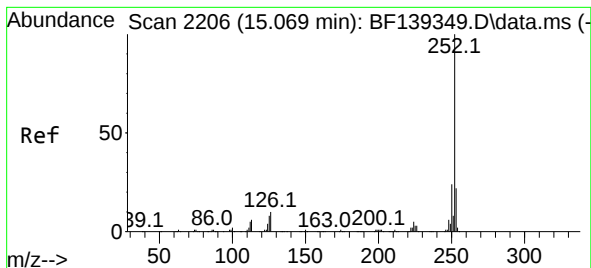


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.498 min Scan# 2279
 Delta R.T. -0.000 min
 Lab File: BF139406.D
 Acq: 17 Sep 2024 17:07



Tgt Ion:264 Resp: 67255
 Ion Ratio Lower Upper
 264 100
 260 22.7 19.5 29.3
 265 21.2 16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 2.744 ng

RT: 15.069 min Scan# 2206

Delta R.T. -0.000 min

Lab File: BF139406.D

Acq: 17 Sep 2024 17:07

Instrument :

BNA_F

ClientSampleId :

TP-3

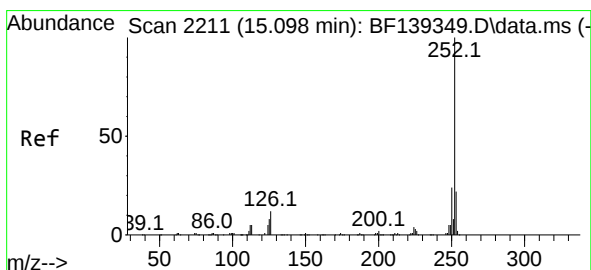
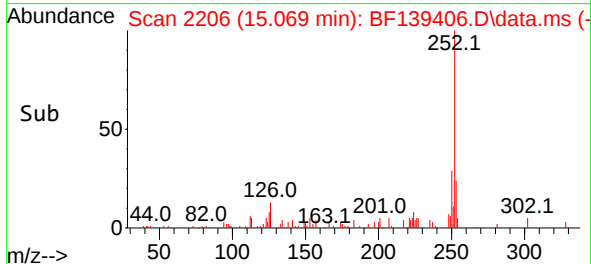
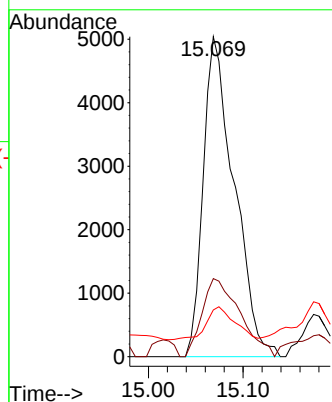
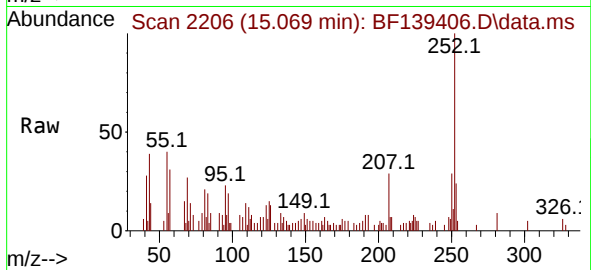
Tgt Ion:252 Resp: 11382

Ion Ratio Lower Upper

252 100

253 24.4 17.6 26.4

125 14.6 6.2 9.2#



#89

Benzo(k)fluoranthene

Concen: 2.976 ng

RT: 15.069 min Scan# 2206

Delta R.T. -0.029 min

Lab File: BF139406.D

Acq: 17 Sep 2024 17:07

Tgt Ion:252 Resp: 11382

Ion Ratio Lower Upper

252 100

253 24.4 17.3 25.9

125 14.6 5.9 8.9#

