

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091124\
 Data File : BF139329.D
 Acq On : 11 Sep 2024 16:50
 Operator : RC/JU
 Sample : P3912-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

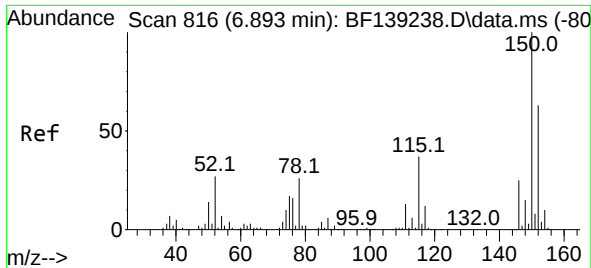
Instrument :
 BNA_F
 ClientSampleId :
 282-COMPOSITE-1

Quant Time: Sep 11 17:24:40 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 04 16:11:43 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	103419	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	392876	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	215180	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	392550	20.000	ng	0.00
76) Chrysene-d12	14.039	240	192110	20.000	ng	-0.01
86) Perylene-d12	15.510	264	95720	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	356904	57.731	ng	0.00
7) Phenol-d6	6.504	99	362127	43.878	ng	-0.01
23) Nitrobenzene-d5	7.440	82	337029	44.628	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	166554	89.636	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	641254	46.002	ng	-0.01
79) Terphenyl-d14	12.992	244	707913	59.496	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	44665	9.397	ng	# 77
25) Isophorone	7.440	82	335448	25.981	ng	# 67
31) Naphthalene	8.187	128	604103	30.363	ng	100
33) 4-Chloroaniline	8.187	127	79329	11.515	ng	# 30
37) 2-Methylnaphthalene	8.881	142	564550	45.354	ng	100
38) 1-Methylnaphthalene	8.975	142	363769	29.714	ng	99
46) 1,1'-Biphenyl	9.339	154	139103	8.725	ng	99
49) Acenaphthylene	9.775	152	62194	3.430	ng	# 95
52) Acenaphthene	9.957	154	880187	73.192	ng	97
55) Dibenzofuran	10.128	168	861332	49.957	ng	99
56) 4-Nitrophenol	10.128	139	334795	143.891	ng	# 1
57) 2,4-Dinitrotoluene	10.075	165	8696	2.309	ng	# 48
58) Fluorene	10.469	166	1026575	76.796	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.192	232	13538	4.120	ng	# 75
62) 4-Nitroaniline	10.469	138	12536	4.178	ng	# 18
67) 4-Bromophenyl-phenylether	10.704	248	11886	3.121	ng	# 1
71) Phenanthrene	11.433	178	1692410	92.288	ng	99
72) Anthracene	11.480	178	151540	8.459	ng	99
73) Carbazole	11.633	167	65867	3.934	ng	98
75) Fluoranthene	12.616	202	454490	24.721	ng	99
78) Pyrene	12.845	202	229980	12.392	ng	99

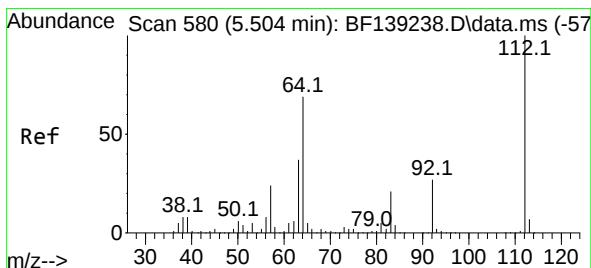
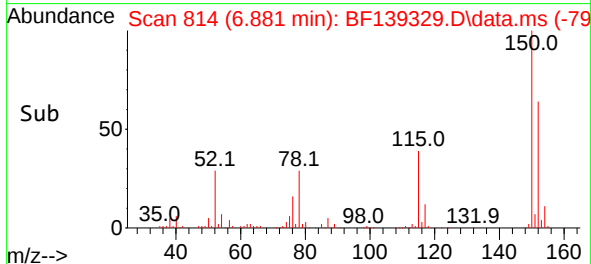
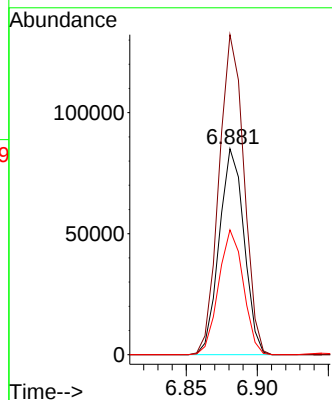
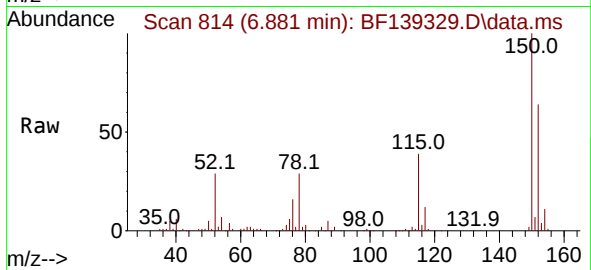
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 816
Delta R.T. -0.012 min
Lab File: BF139329.D
Acq: 11 Sep 2024 16:50

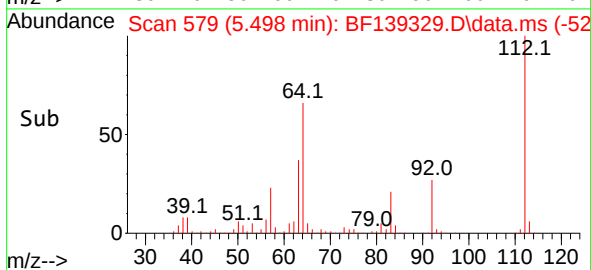
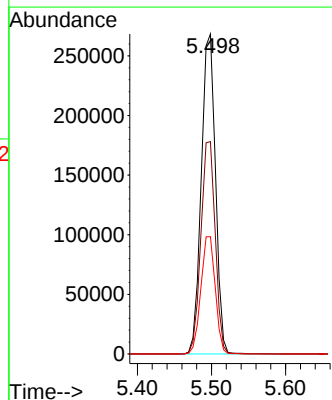
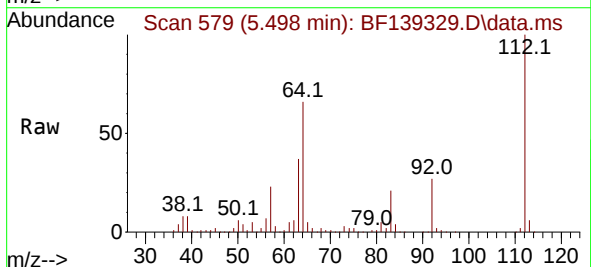
Instrument :
BNA_F
ClientSampleId :
282-COMPOSITE-1

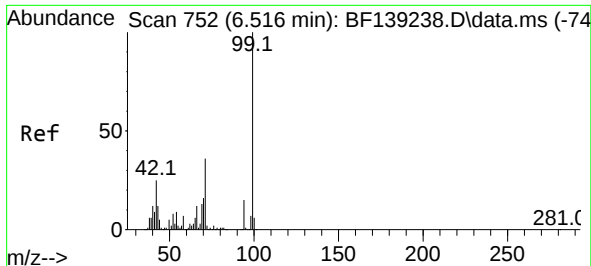
Tgt Ion:152 Resp: 103419
Ion Ratio Lower Upper
152 100
150 155.4 127.0 190.4
115 60.6 46.9 70.3



#5
2-Fluorophenol
Concen: 57.731 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.006 min
Lab File: BF139329.D
Acq: 11 Sep 2024 16:50

Tgt Ion:112 Resp: 356904
Ion Ratio Lower Upper
112 100
64 66.3 55.0 82.4
63 36.7 29.9 44.9

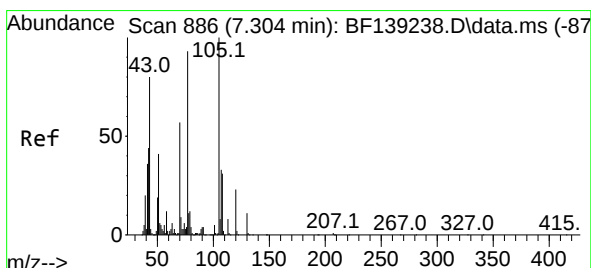
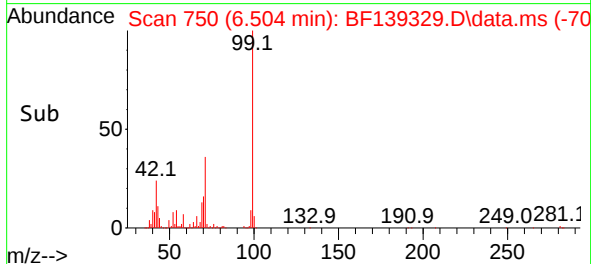
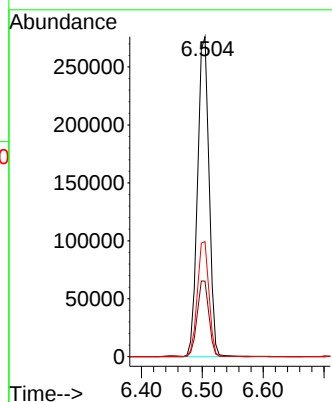
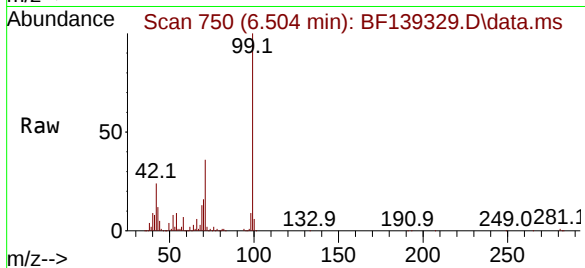




#7
Phenol-d6
Concen: 43.878 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF139329.D
Acq: 11 Sep 2024 16:50

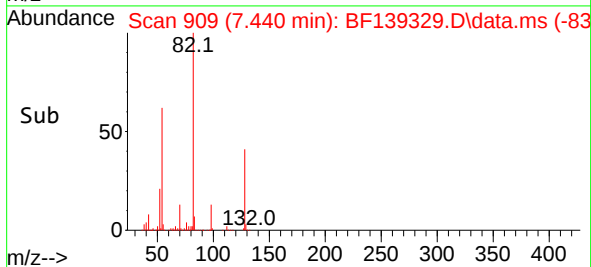
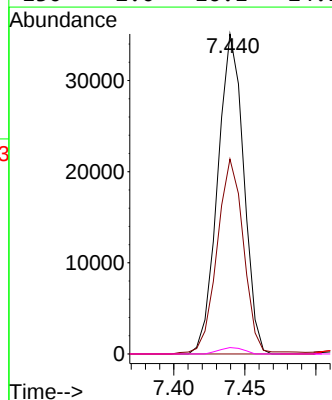
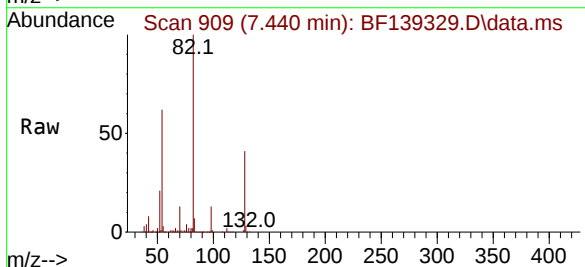
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BNA_F
ClientSampleId :
282-COMPOSITE-1

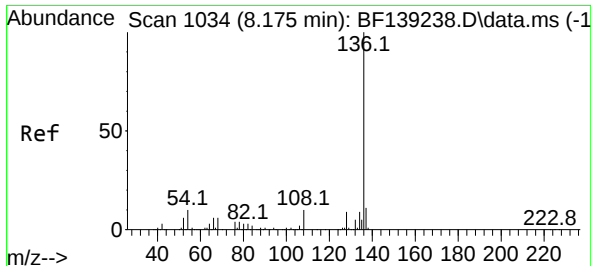
Tgt Ion: 99 Resp: 362127
Ion Ratio Lower Upper
99 100
42 23.6 19.8 29.6
71 35.9 28.8 43.2



#19
n-Nitroso-di-n-propylamine
Concen: 9.397 ng
RT: 7.440 min Scan# 909
Delta R.T. 0.135 min
Lab File: BF139329.D
Acq: 11 Sep 2024 16:50

Tgt Ion: 70 Resp: 44665
Ion Ratio Lower Upper
70 100
42 60.9 61.0 91.6#
101 0.0 7.2 10.8#
130 2.0 16.1 24.1#

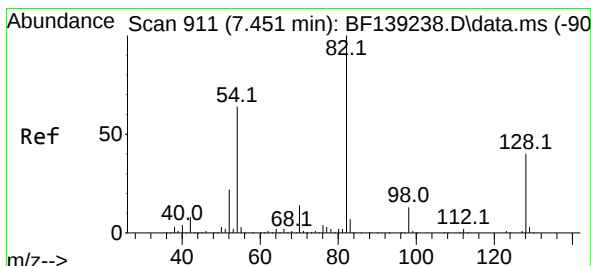
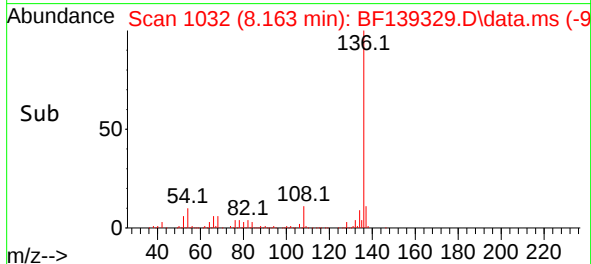
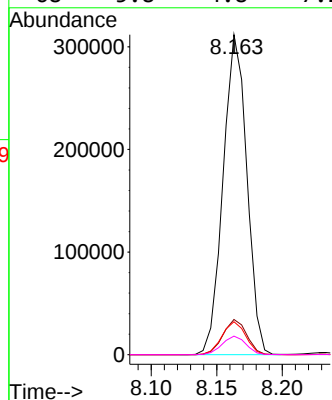
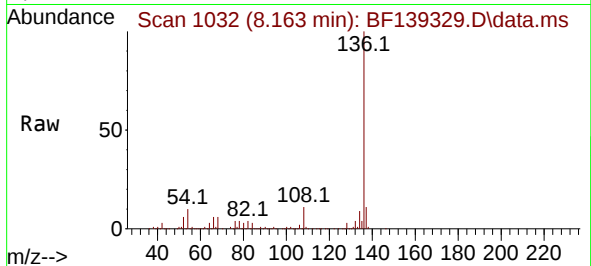




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 10
Delta R.T. -0.012 min
Lab File: BF139329.D
Acq: 11 Sep 2024 16:50

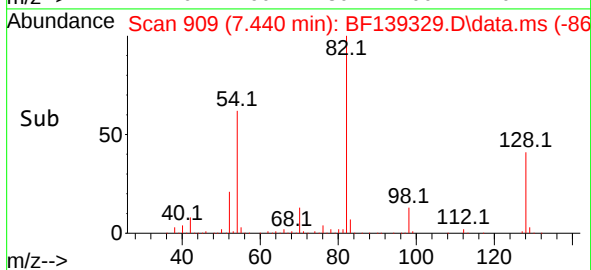
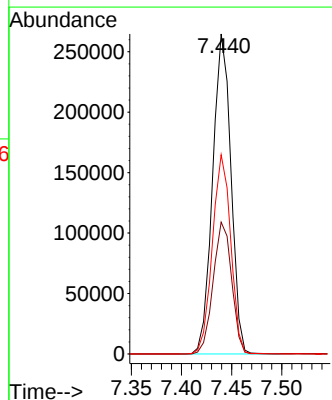
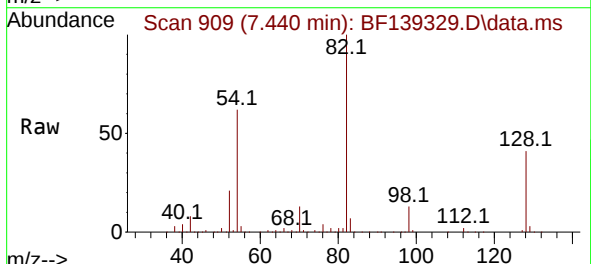
Instrument :
BNA_F
ClientSampleId :
282-COMPOSITE-1

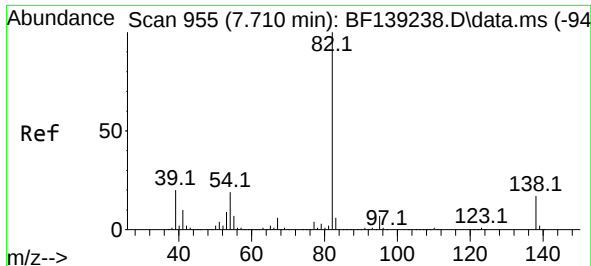
Tgt Ion:	136	Resp:	392876
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.3	8.4	12.6
68	5.8	4.8	7.2



#23
Nitrobenzene-d5
Concen: 44.628 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF139329.D
Acq: 11 Sep 2024 16:50

Tgt Ion:	82	Resp:	337029
Ion	Ratio	Lower	Upper
82	100		
128	41.2	32.3	48.5
54	62.3	51.2	76.8

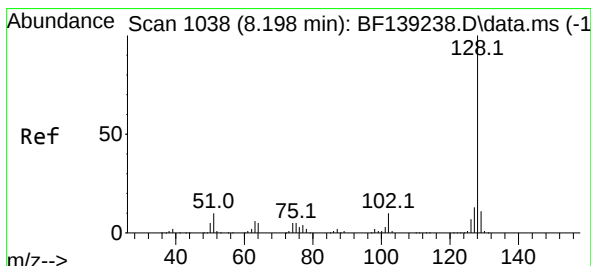
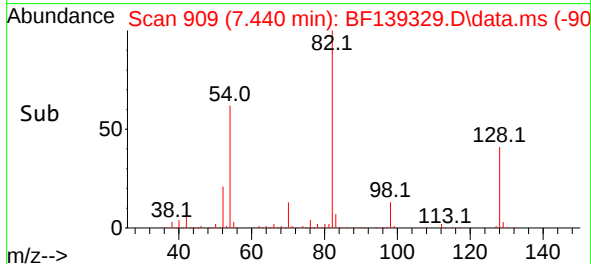
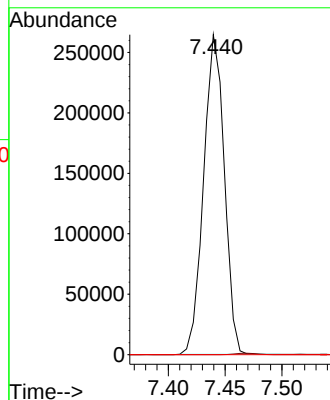
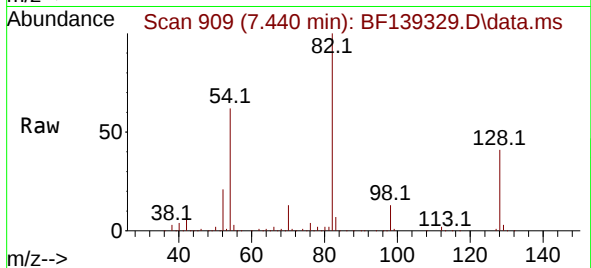




#25
Isophorone
Concen: 25.981 ng
RT: 7.440 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF139329.D
Acq: 11 Sep 2024 16:50

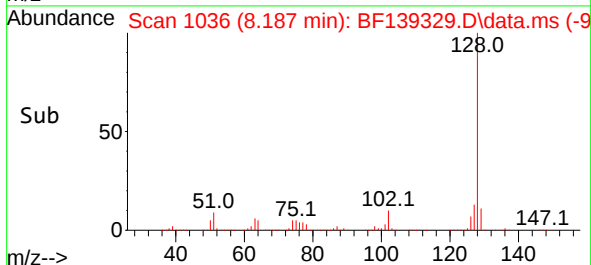
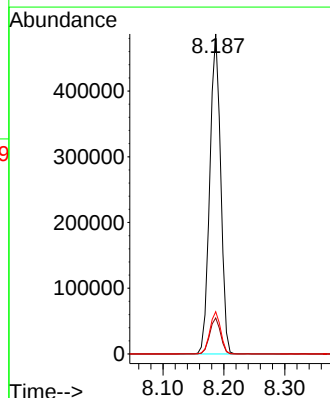
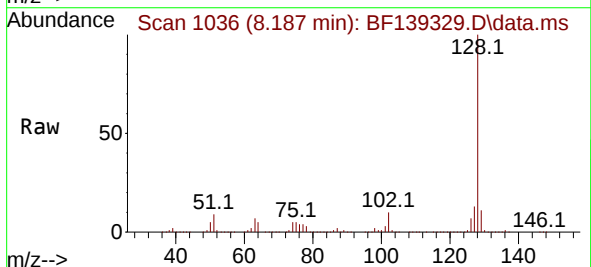
Instrument :
BNA_F
ClientSampleId :
282-COMPOSITE-1

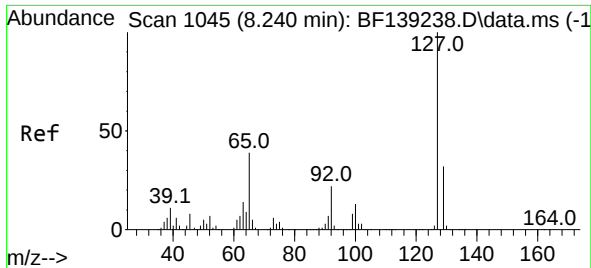
Tgt Ion: 82 Resp: 335448
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 13.4 20.0#



#31
Naphthalene
Concen: 30.363 ng
RT: 8.187 min Scan# 1036
Delta R.T. -0.012 min
Lab File: BF139329.D
Acq: 11 Sep 2024 16:50

Tgt Ion:128 Resp: 604103
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 13.2 10.6 15.8

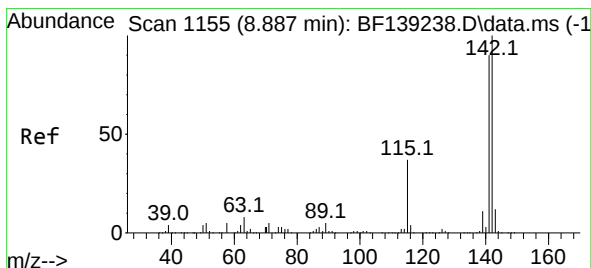
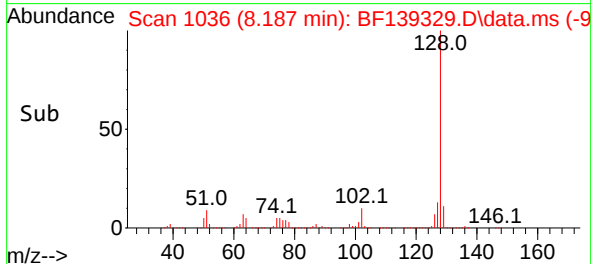
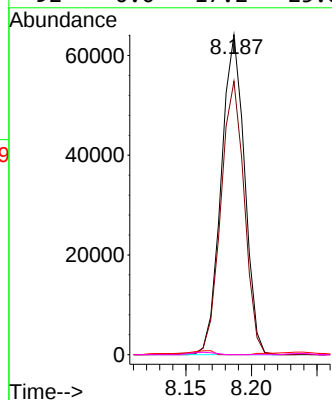
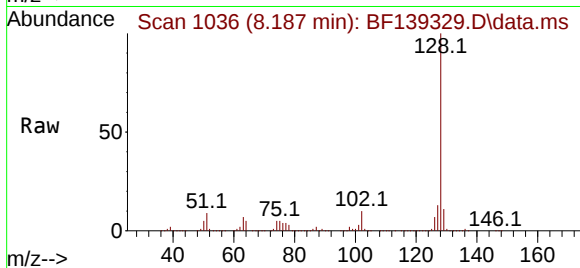




#33
4-Chloroaniline
Concen: 11.515 ng
RT: 8.187 min Scan# 1045
Delta R.T. -0.053 min
Lab File: BF139329.D
Acq: 11 Sep 2024 16:50

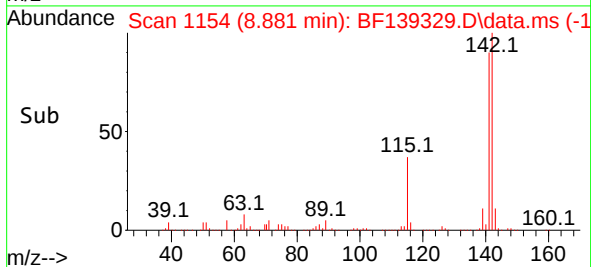
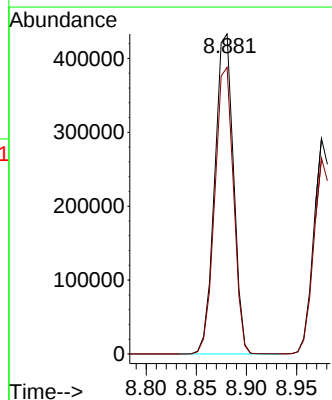
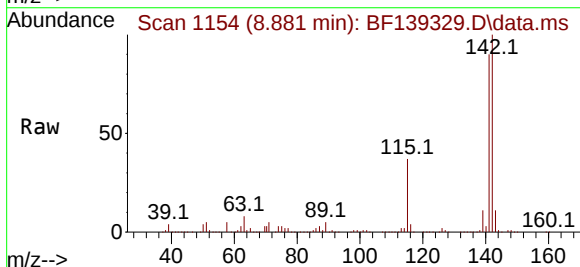
Instrument :
BNA_F
ClientSampleId :
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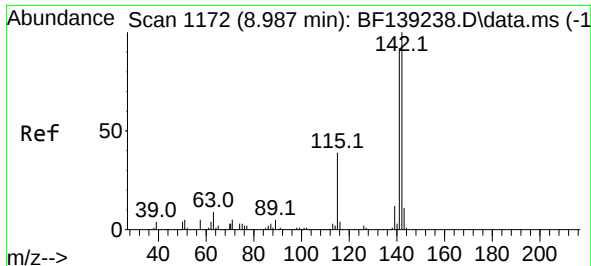
Tgt Ion:127	Resp:	79329
Ion Ratio	Lower	Upper
127	100	
129	85.5	25.8 38.6#
65	0.0	30.6 45.8#
92	0.0	17.2 25.8#



#37
2-Methylnaphthalene
Concen: 45.354 ng
RT: 8.881 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF139329.D
Acq: 11 Sep 2024 16:50

Tgt Ion:142	Resp:	564550
Ion Ratio	Lower	Upper
142	100	
141	89.6	71.6 107.4





#38

1-Methylnaphthalene

Concen: 29.714 ng

RT: 8.975 min Scan# 1172

Delta R.T. -0.012 min

Lab File: BF139329.D

Acq: 11 Sep 2024 16:50

Instrument :

BNA_F

ClientSampleId :

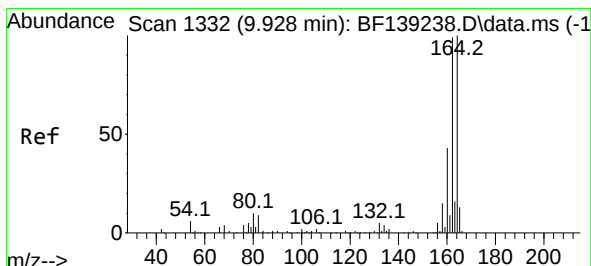
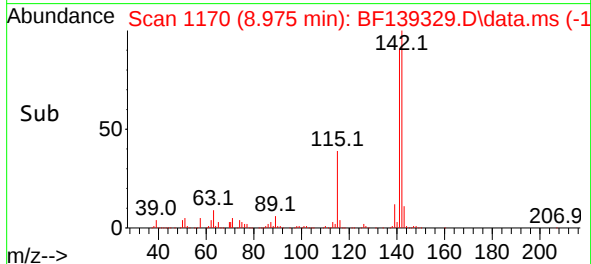
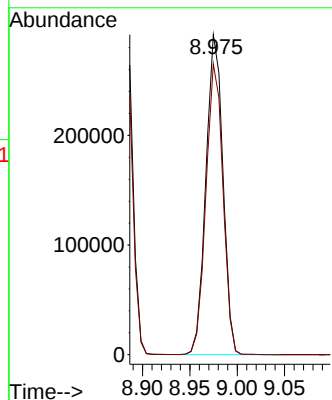
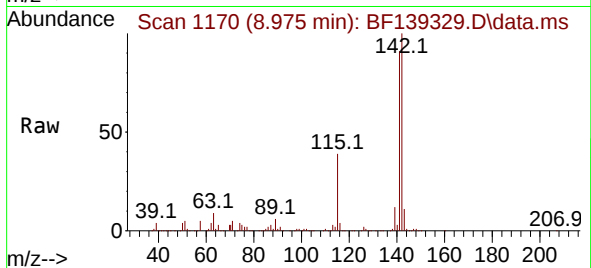
282-COMPOSITE-1

Tgt Ion:142 Resp: 363769

Ion Ratio Lower Upper

142 100

141 90.8 73.5 110.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1331

Delta R.T. -0.006 min

Lab File: BF139329.D

Acq: 11 Sep 2024 16:50

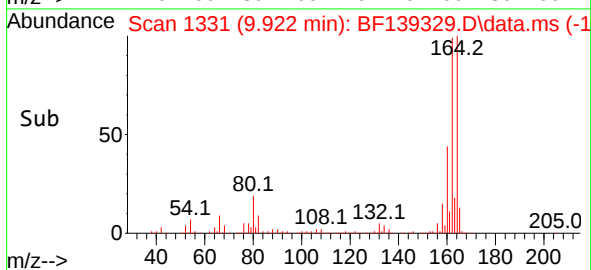
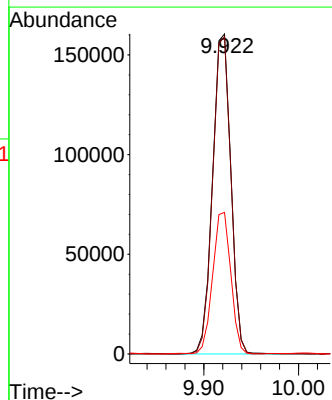
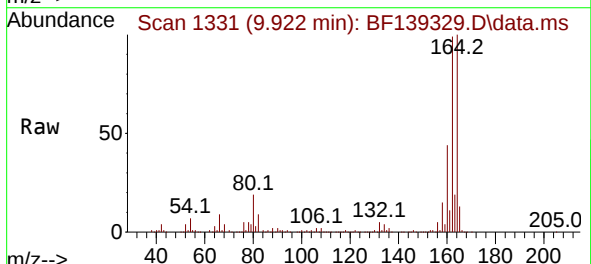
Tgt Ion:164 Resp: 215180

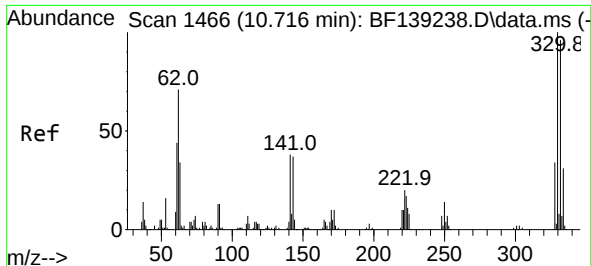
Ion Ratio Lower Upper

164 100

162 99.2 79.2 118.8

160 44.3 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 89.636 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.012 min

Lab File: BF139329.D

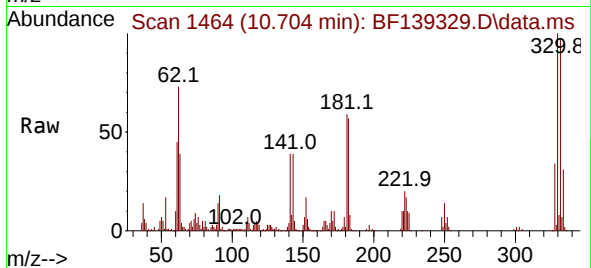
Acq: 11 Sep 2024 16:50

Instrument :

BNA_F

ClientSampleId :

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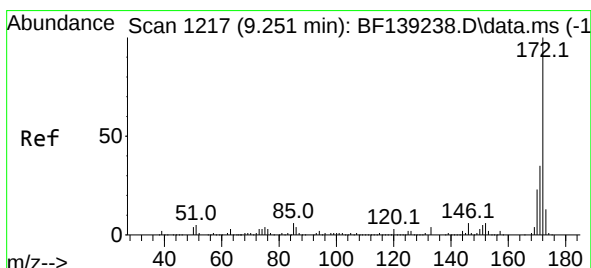
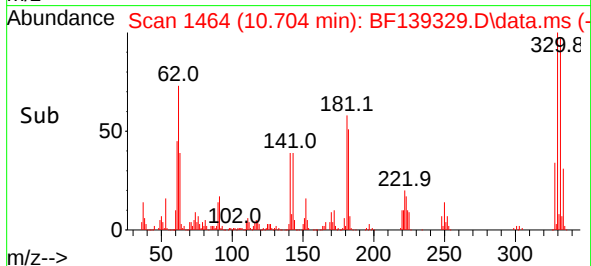
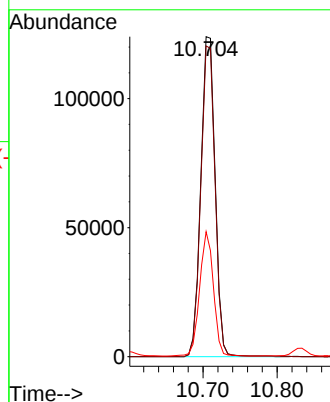
Tgt Ion:330 Resp: 166554

Ion Ratio Lower Upper

330 100

332 96.8 76.6 115.0

141 37.2 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 46.002 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.012 min

Lab File: BF139329.D

Acq: 11 Sep 2024 16:50

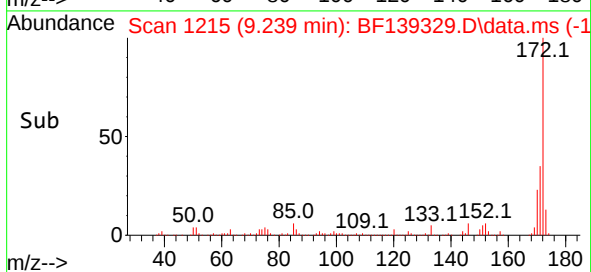
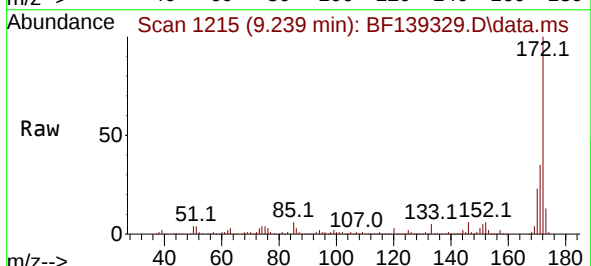
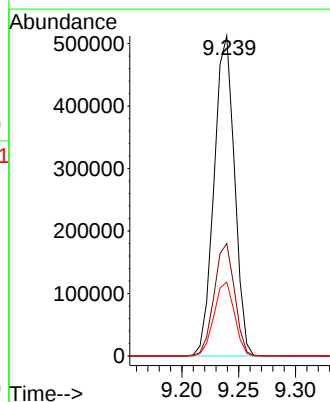
Tgt Ion:172 Resp: 641254

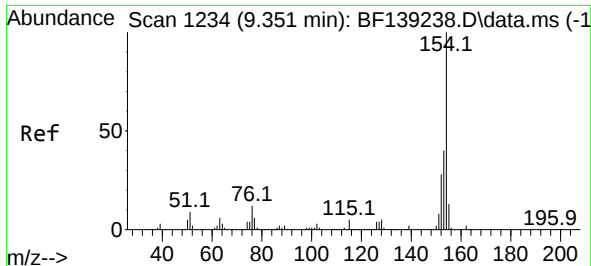
Ion Ratio Lower Upper

172 100

171 35.1 28.3 42.5

170 23.1 18.7 28.1





#46

1,1'-Biphenyl

Concen: 8.725 ng

RT: 9.339 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF139329.D

Acq: 11 Sep 2024 16:50

Instrument :

BNA_F

ClientSampleId :

282-COMPOSITE-1

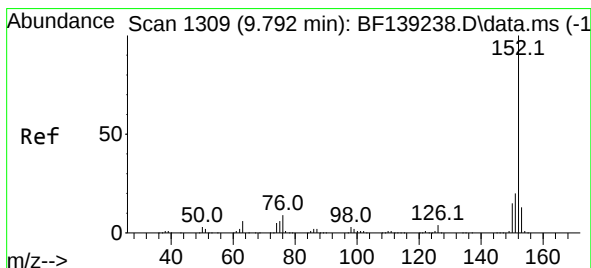
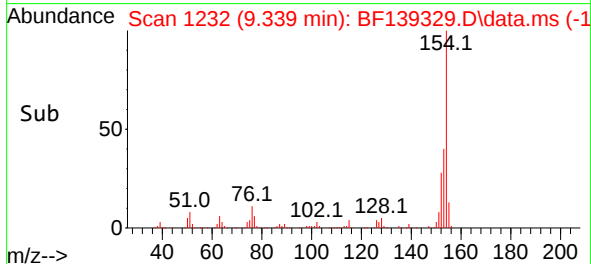
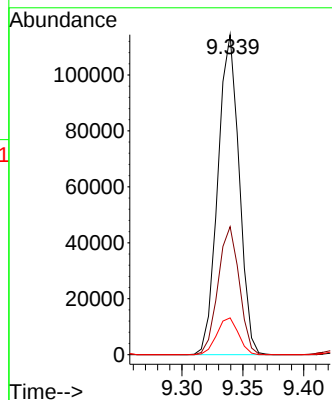
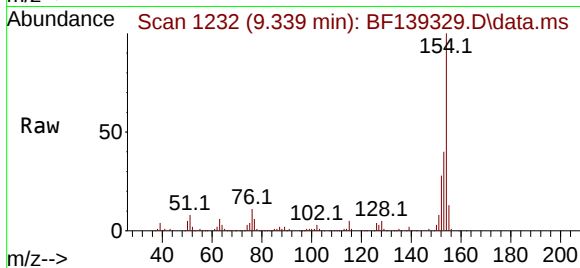
Tgt Ion:154 Resp: 139103

Ion Ratio Lower Upper

154 100

153 40.0 20.1 60.1

76 11.5 0.0 32.3



#49

Acenaphthylene

Concen: 3.430 ng

RT: 9.775 min Scan# 1306

Delta R.T. -0.018 min

Lab File: BF139329.D

Acq: 11 Sep 2024 16:50

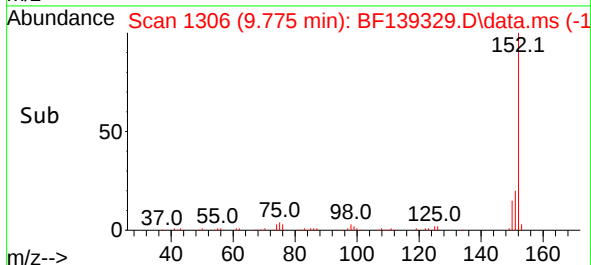
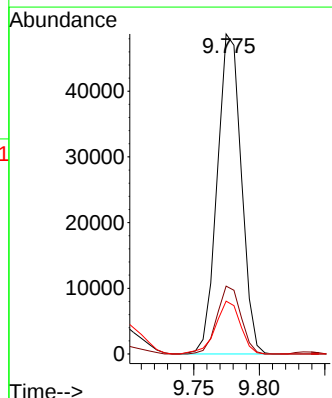
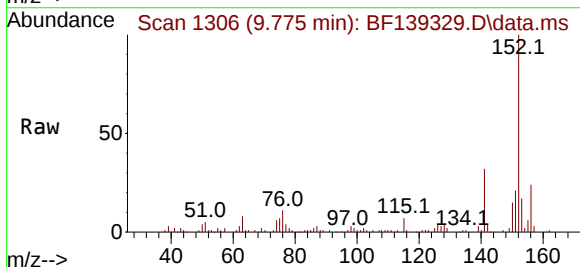
Tgt Ion:152 Resp: 62194

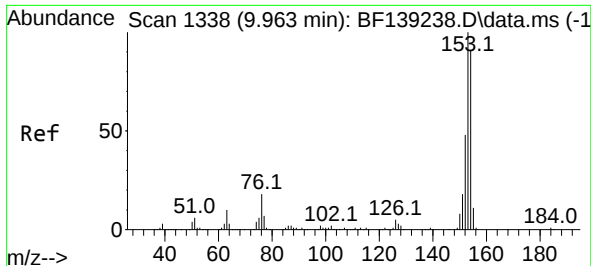
Ion Ratio Lower Upper

152 100

151 21.2 16.0 24.0

153 16.5 10.4 15.6#

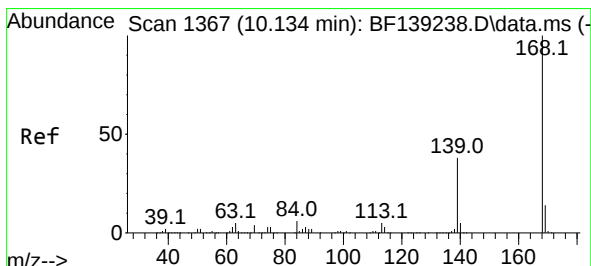
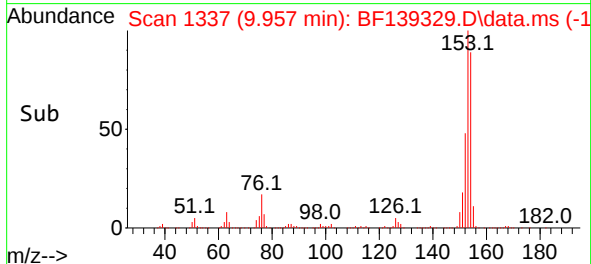
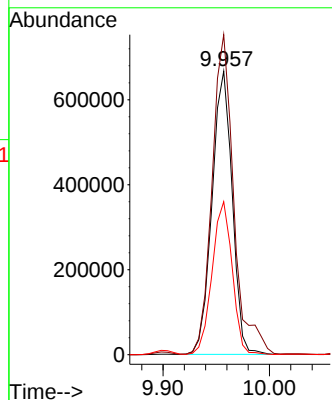
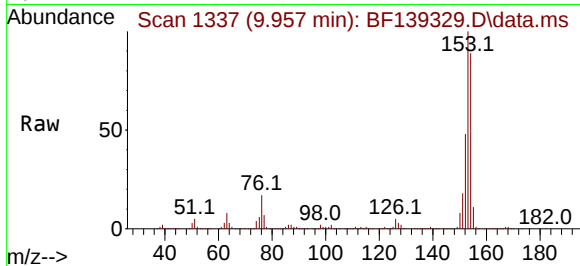




#52
Acenaphthene
Concen: 73.192 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF139329.D
Acq: 11 Sep 2024 16:50

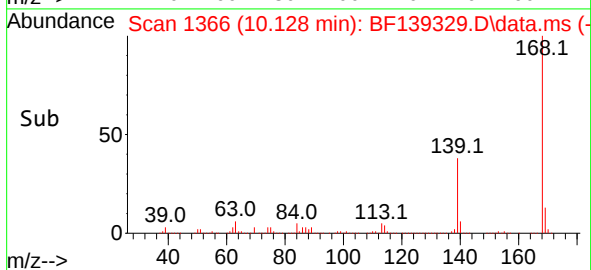
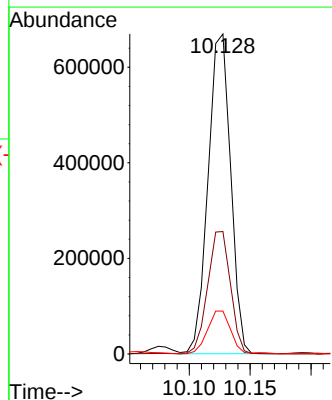
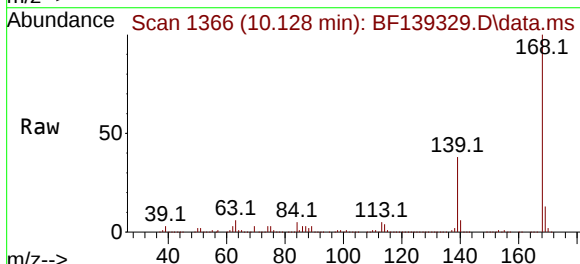
Instrument :
BNA_F
ClientSampleId :
282-COMPOSITE-1

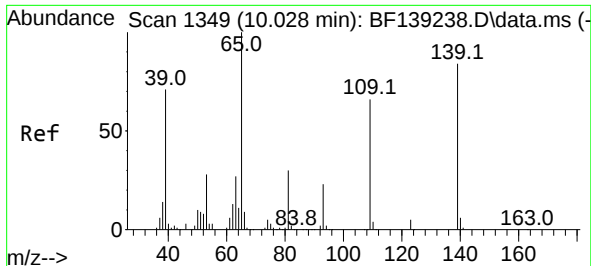
Tgt Ion:154 Resp: 880187
Ion Ratio Lower Upper
154 100
153 112.9 87.8 131.6
152 54.0 41.7 62.5



#55
Dibenzofuran
Concen: 49.957 ng
RT: 10.128 min Scan# 1366
Delta R.T. -0.006 min
Lab File: BF139329.D
Acq: 11 Sep 2024 16:50

Tgt Ion:168 Resp: 861332
Ion Ratio Lower Upper
168 100
139 38.3 30.2 45.4
169 13.4 10.8 16.2

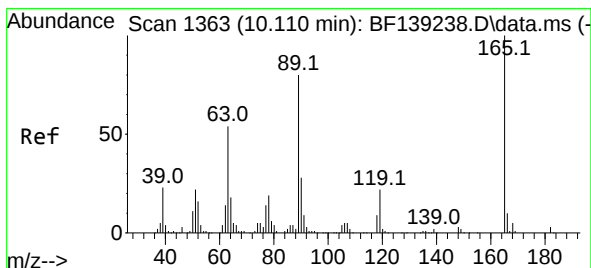
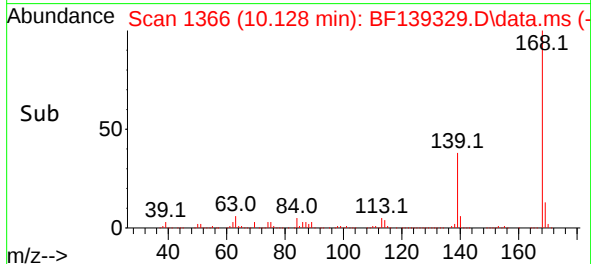
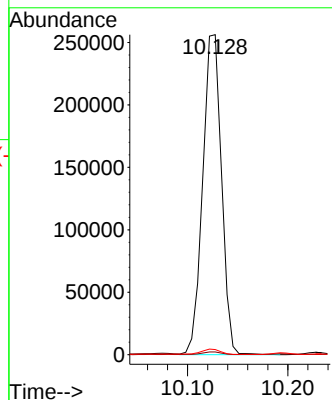
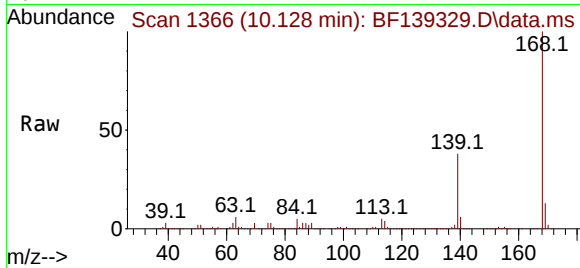




#56
4-Nitrophenol
Concen: 143.891 ng
RT: 10.128 min Scan# 1349
Delta R.T. 0.100 min
Lab File: BF139329.D
Acq: 11 Sep 2024 16:50

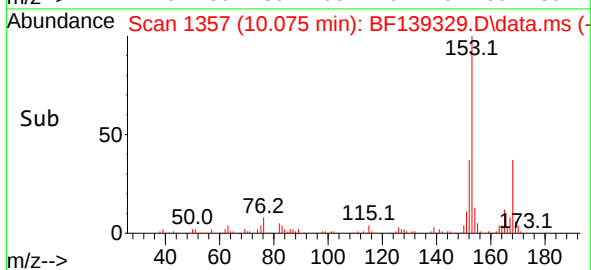
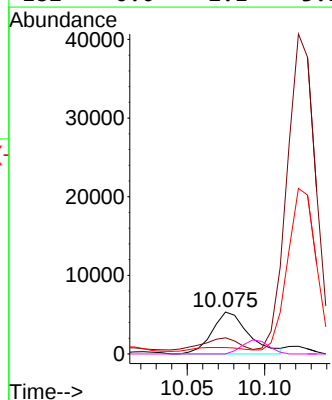
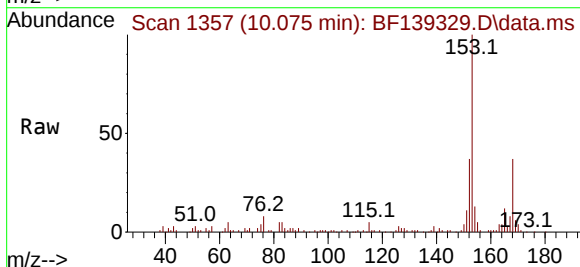
Instrument :
BNA_F
ClientSampleId :
282-COMPOSITE-1

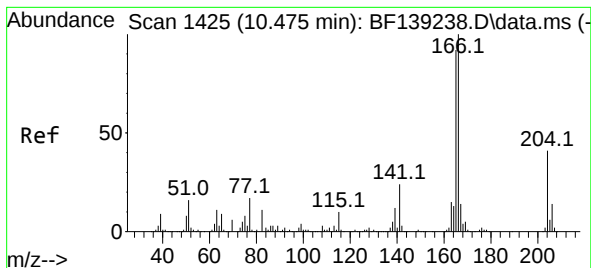
Tgt Ion:139 Resp: 334795
Ion Ratio Lower Upper
139 100
109 0.8 58.7 98.7#
65 1.6 100.3 140.3#



#57
2,4-Dinitrotoluene
Concen: 2.309 ng
RT: 10.075 min Scan# 1357
Delta R.T. -0.035 min
Lab File: BF139329.D
Acq: 11 Sep 2024 16:50

Tgt Ion:165 Resp: 8696
Ion Ratio Lower Upper
165 100
63 38.5 43.4 65.0#
89 15.4 64.2 96.4#
182 0.0 2.1 3.1#





#58

Fluorene

Concen: 76.796 ng

RT: 10.469 min Scan# 1424

Delta R.T. -0.006 min

Lab File: BF139329.D

Acq: 11 Sep 2024 16:50

Instrument :

BNA_F

ClientSampleId :

282-COMPOSITE-1

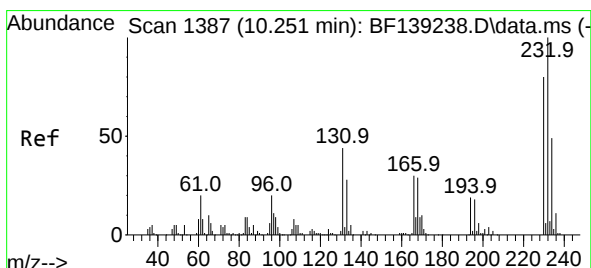
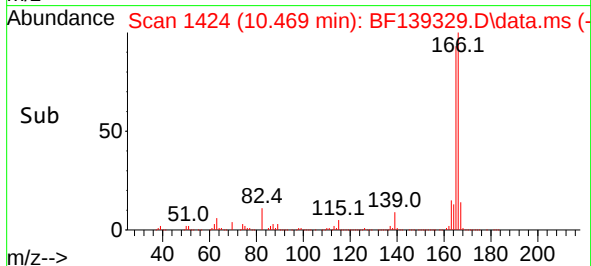
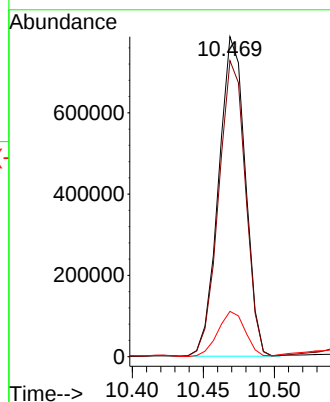
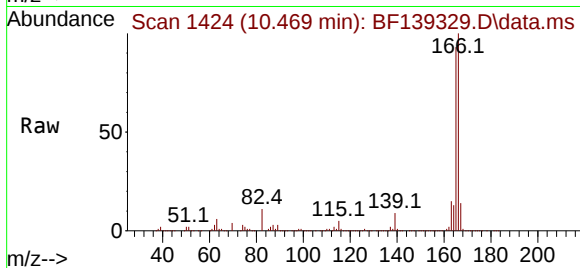
Tgt Ion:166 Resp: 1026575

Ion Ratio Lower Upper

166 100

165 92.5 73.7 110.5

167 14.2 10.9 16.3



#59

2,3,4,6-Tetrachlorophenol

Concen: 4.120 ng

RT: 10.192 min Scan# 1377

Delta R.T. -0.059 min

Lab File: BF139329.D

Acq: 11 Sep 2024 16:50

Tgt Ion:232 Resp: 13538

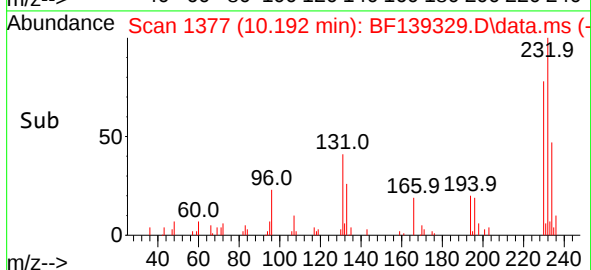
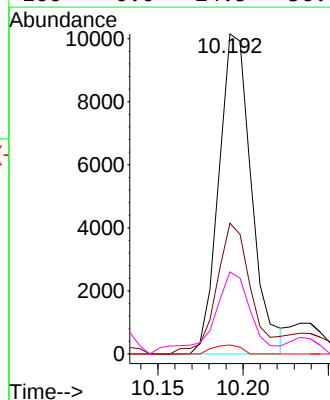
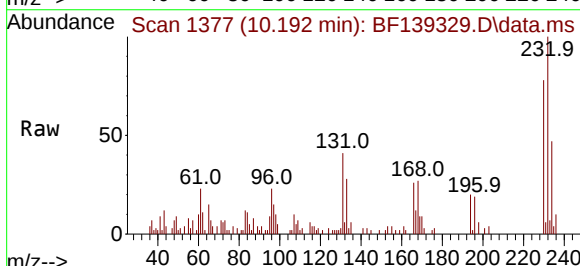
Ion Ratio Lower Upper

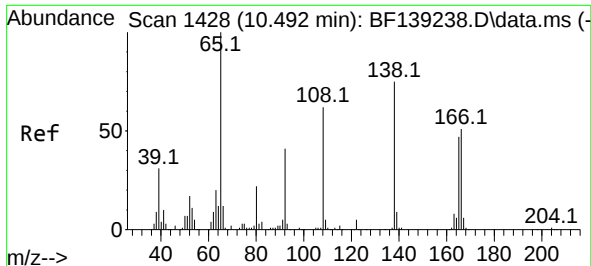
232 100

131 43.0 37.7 56.5

130 2.4 1.9 2.9

166 0.0 24.5 36.7#

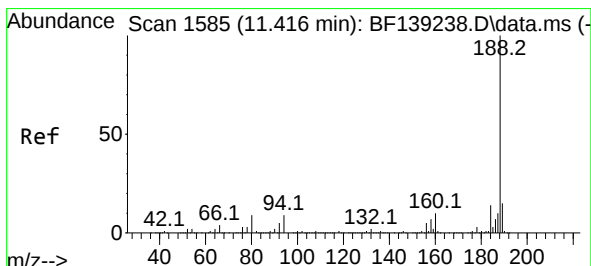
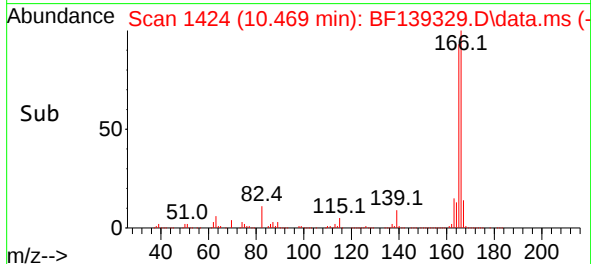
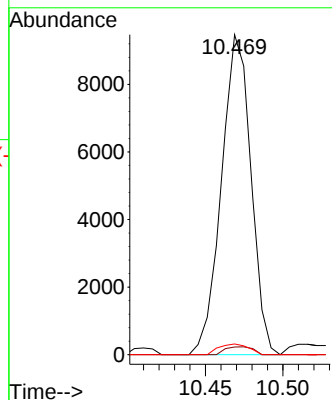
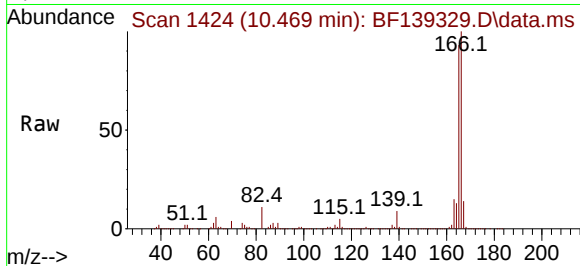




#62
4-Nitroaniline
Concen: 4.178 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.024 min
Lab File: BF139329.D
Acq: 11 Sep 2024 16:50

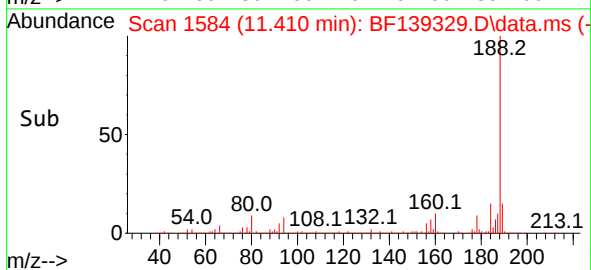
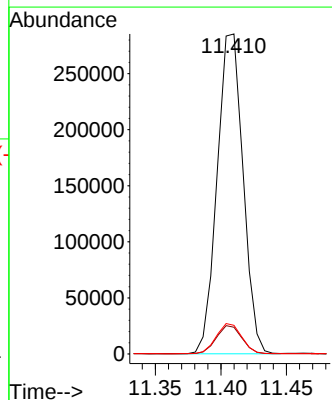
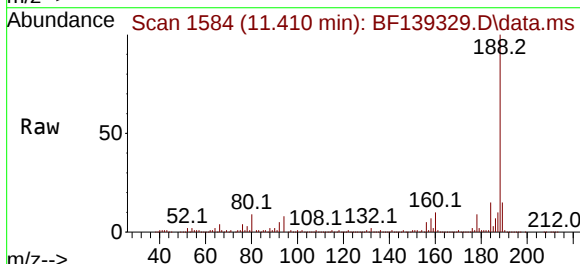
Instrument :
BNA_F
ClientSampleId :
282-COMPOSITE-1

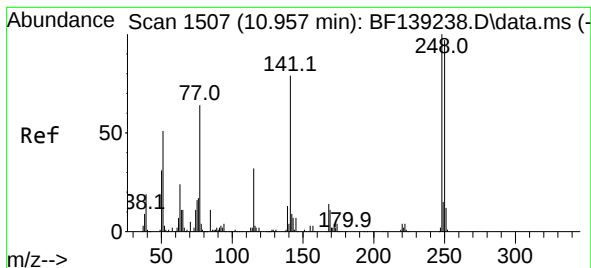
Tgt Ion:138 Resp: 12536
Ion Ratio Lower Upper
138 100
92 2.4 34.4 74.4#
108 3.3 62.7 102.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF139329.D
Acq: 11 Sep 2024 16:50

Tgt Ion:188 Resp: 392550
Ion Ratio Lower Upper
188 100
94 8.4 7.0 10.4
80 8.9 7.3 10.9

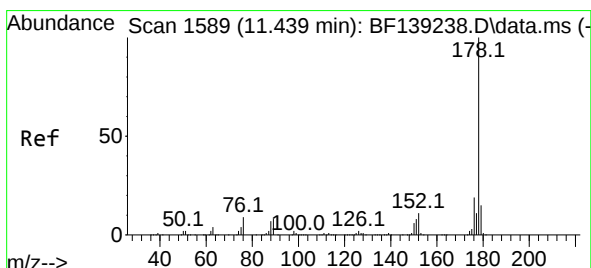
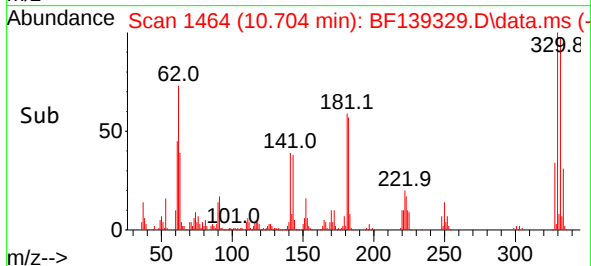
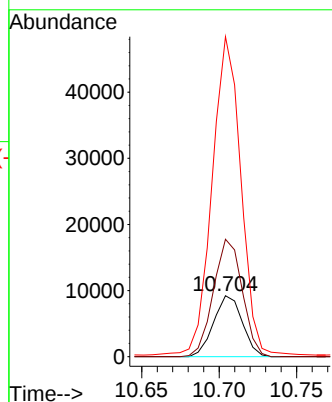
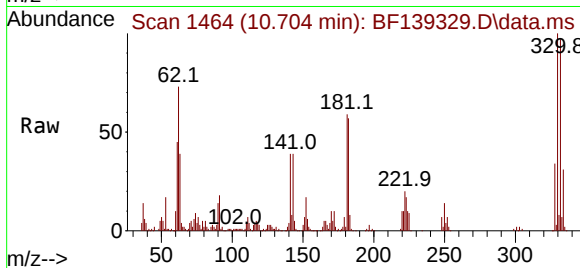




#67
4-Bromophenyl-phenylether
Concen: 3.121 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.253 min
Lab File: BF139329.D
Acq: 11 Sep 2024 16:50

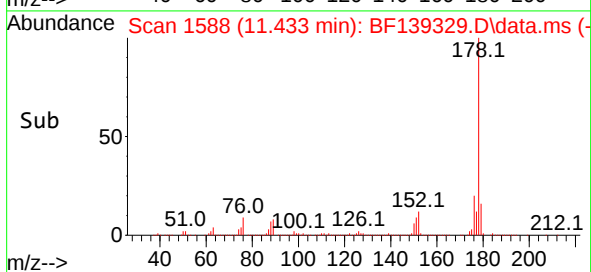
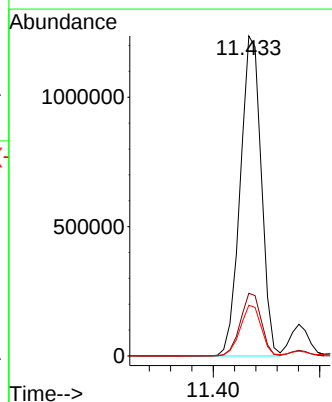
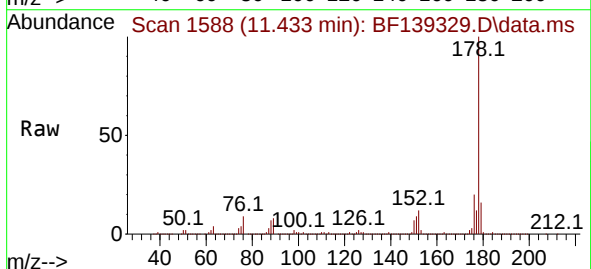
Instrument :
BNA_F
ClientSampleId :
282-COMPOSITE-1

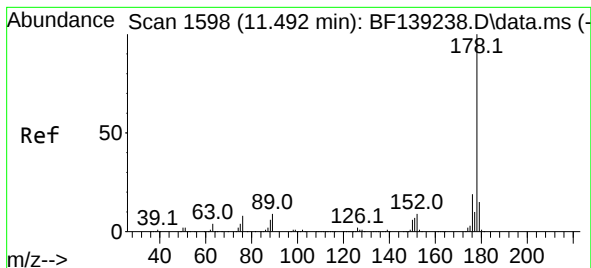
Tgt Ion:248 Resp: 11886
Ion Ratio Lower Upper
248 100
250 192.5 77.2 115.8#
141 524.3 63.6 95.4#



#71
Phenanthrene
Concen: 92.288 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF139329.D
Acq: 11 Sep 2024 16:50

Tgt Ion:178 Resp: 1692410
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.0
179 15.9 12.3 18.5





#72

Anthracene

Concen: 8.459 ng

RT: 11.480 min Scan# 1596

Delta R.T. -0.012 min

Lab File: BF139329.D

Acq: 11 Sep 2024 16:50

Instrument :

BNA_F

ClientSampleId :

282-COMPOSITE-1

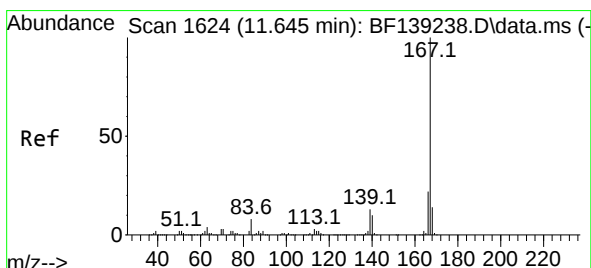
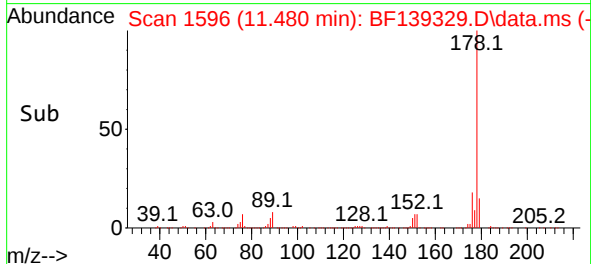
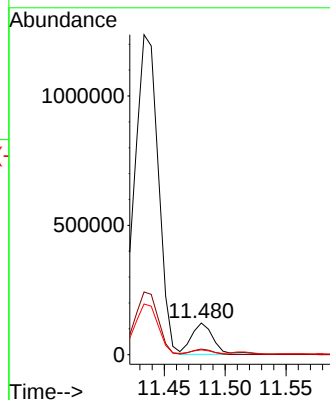
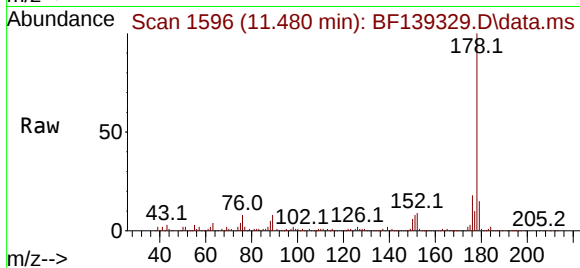
Tgt Ion:178 Resp: 151540

Ion Ratio Lower Upper

178 100

176 17.9 15.0 22.4

179 15.1 12.3 18.5



#73

Carbazole

Concen: 3.934 ng

RT: 11.633 min Scan# 1622

Delta R.T. -0.012 min

Lab File: BF139329.D

Acq: 11 Sep 2024 16:50

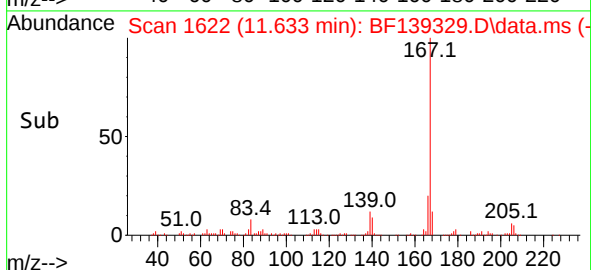
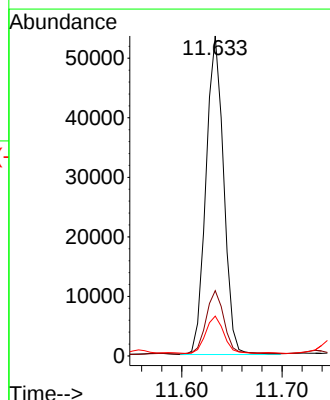
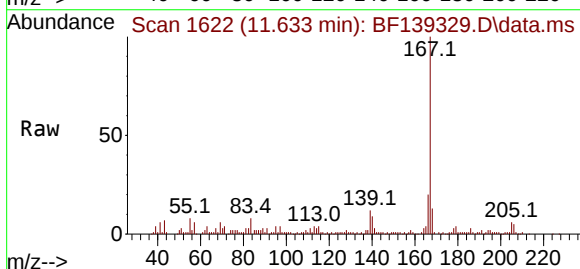
Tgt Ion:167 Resp: 65867

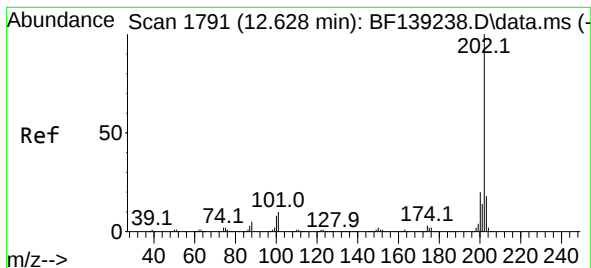
Ion Ratio Lower Upper

167 100

166 20.4 17.2 25.8

139 12.4 10.2 15.4





#75

Fluoranthene

Concen: 24.721 ng

RT: 12.616 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF139329.D

Acq: 11 Sep 2024 16:50

Instrument :

BNA_F

ClientSampleId :

282-COMPOSITE-1

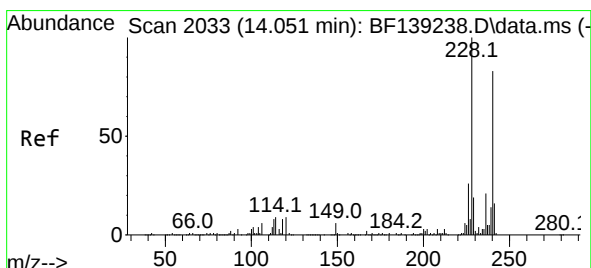
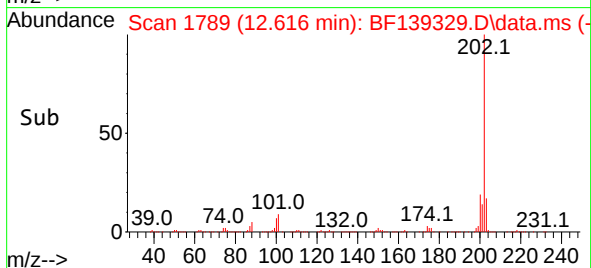
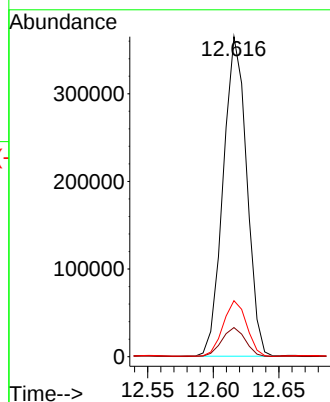
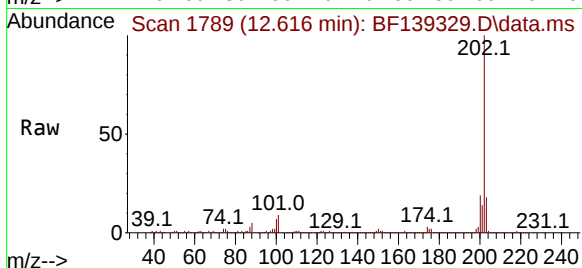
Tgt Ion:202 Resp: 454490

Ion Ratio Lower Upper

202 100

101 9.1 0.0 29.9

203 17.5 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.012 min

Lab File: BF139329.D

Acq: 11 Sep 2024 16:50

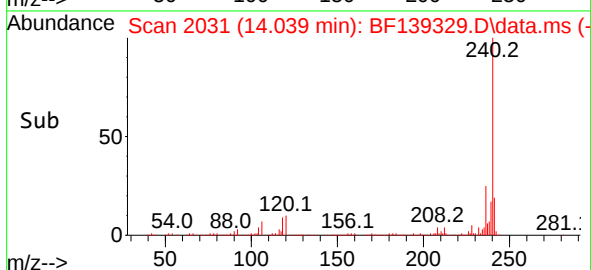
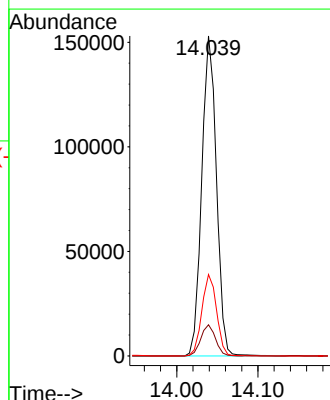
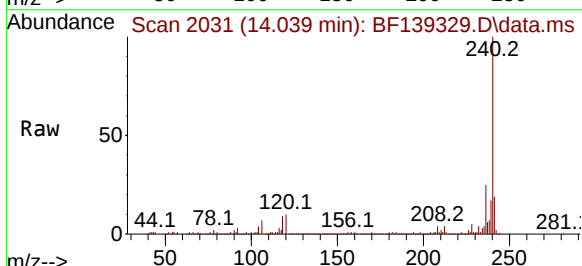
Tgt Ion:240 Resp: 192110

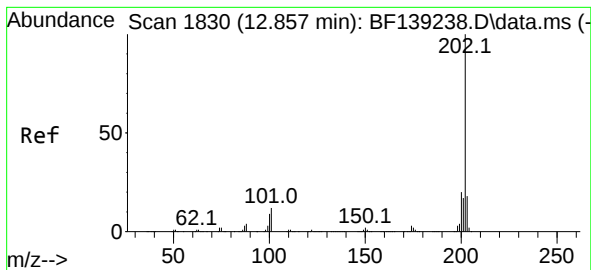
Ion Ratio Lower Upper

240 100

120 9.8 8.6 12.8

236 25.5 20.7 31.1





#78

Pyrene

Concen: 12.392 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.012 min

Lab File: BF139329.D

Acq: 11 Sep 2024 16:50

Instrument :

BNA_F

ClientSampleId :

282-COMPOSITE-1

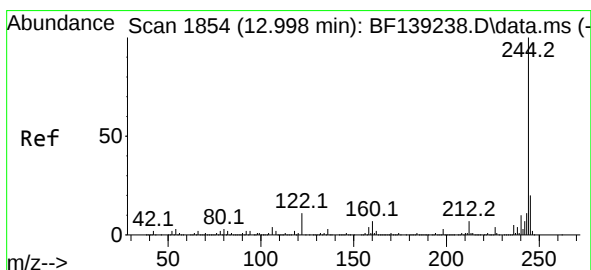
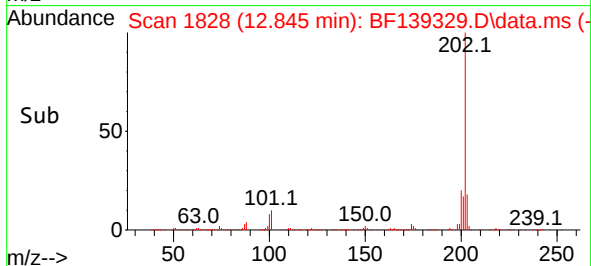
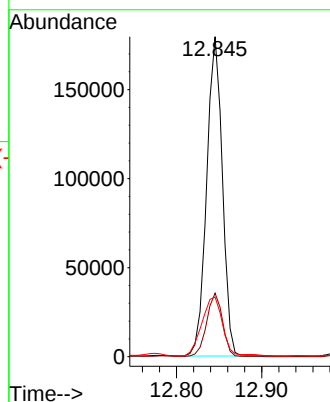
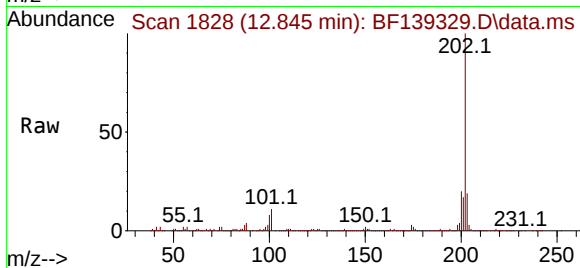
Tgt Ion:202 Resp: 229980

Ion Ratio Lower Upper

202 100

200 19.9 15.8 23.8

203 18.7 14.1 21.1



#79

Terphenyl-d14

Concen: 59.496 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF139329.D

Acq: 11 Sep 2024 16:50

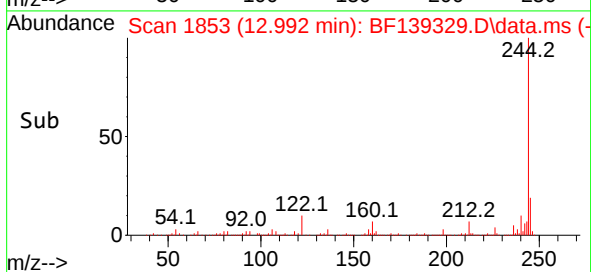
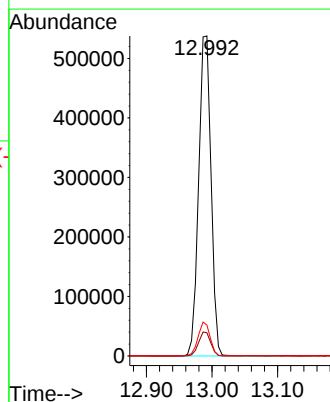
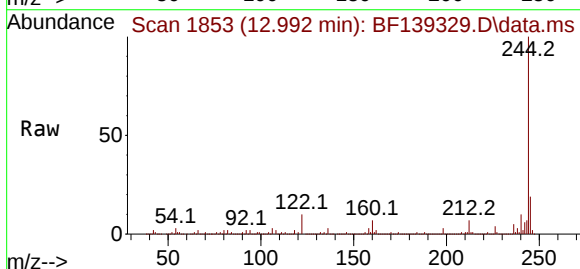
Tgt Ion:244 Resp: 707913

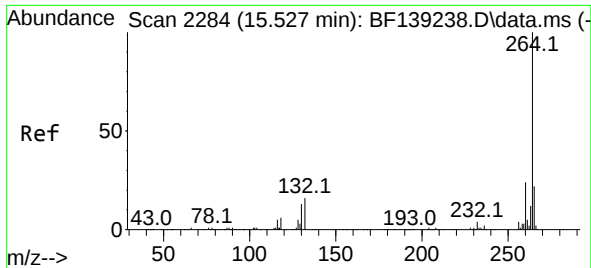
Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

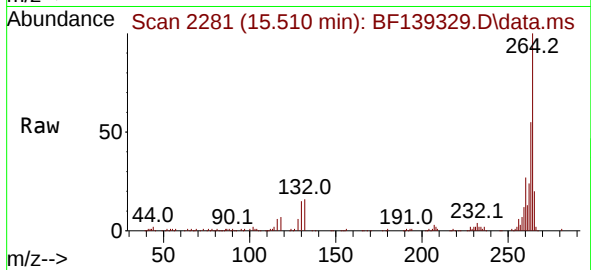
122 9.6 8.7 13.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF139329.D
Acq: 11 Sep 2024 16:50

Instrument :
BNA_F
ClientSampleId :
282-COMPOSITE-1



Tgt Ion:264 Resp: 95720
Ion Ratio Lower Upper
264 100
260 26.8 18.8 28.2
265 20.4 17.3 25.9

