

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)

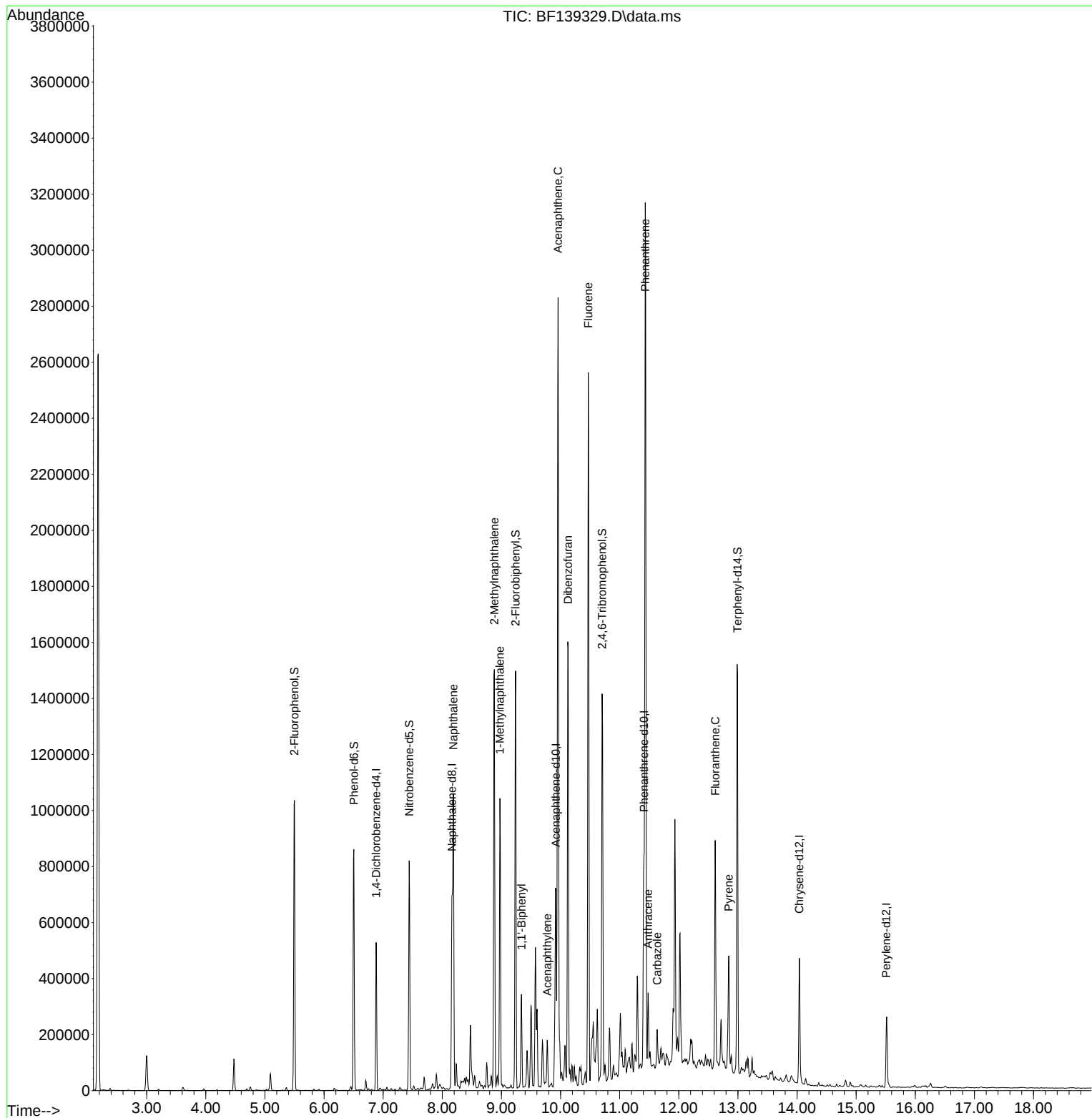
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	103419	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	392876	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	215180	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	392550	20.000	ng	0.00
76) Chrysene-d12	14.039	240	192110	20.000	ng	-0.01
86) Perylene-d12	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
31) Naphthalene	8.187	128	604103	30.363	ng	100
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
58) Fluorene	10.469	166	1026575	76.796	ng	99
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

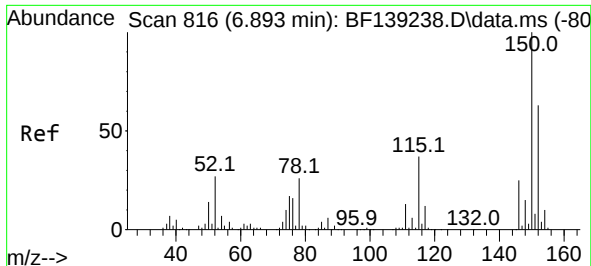
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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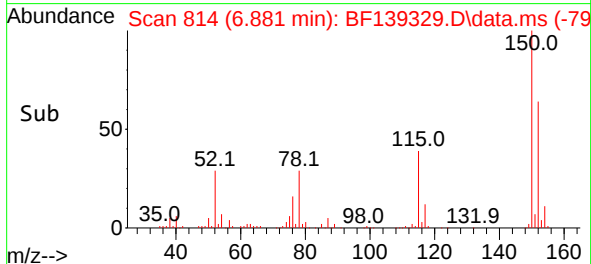
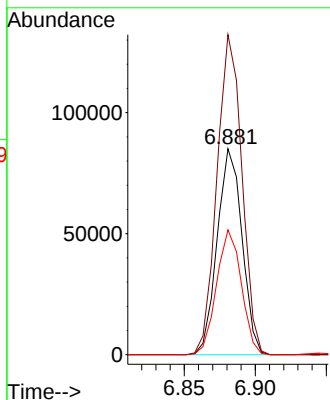
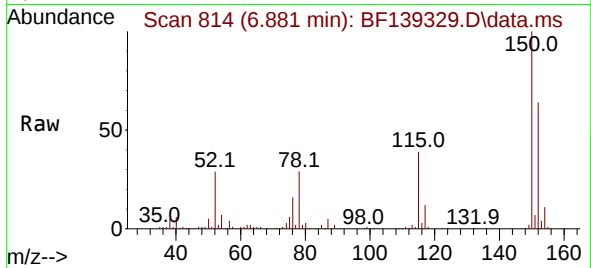




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 816
Delta R.T. -0.012 min
Lab File: BF139329.D
Acq: 11 Sep 2024 16:50

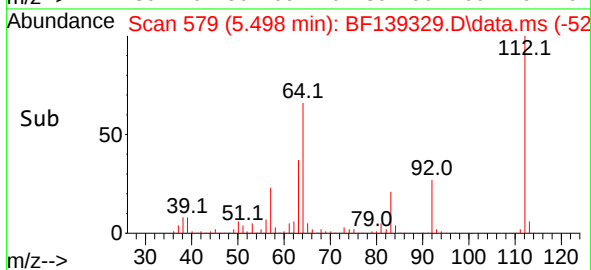
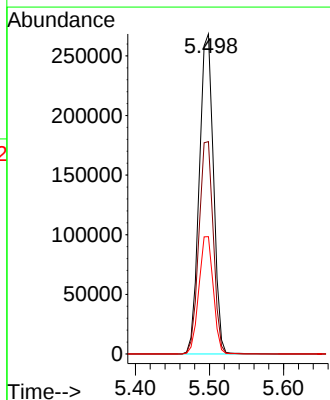
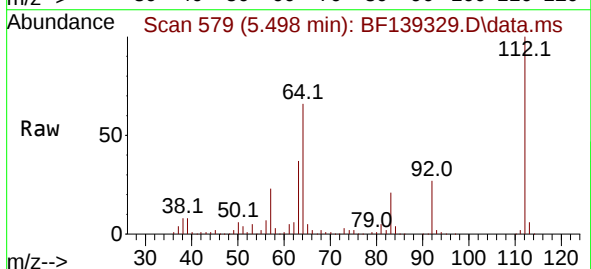
Instrument :
BNA_F
ClientSampleId :
282-COMPOSITE-1

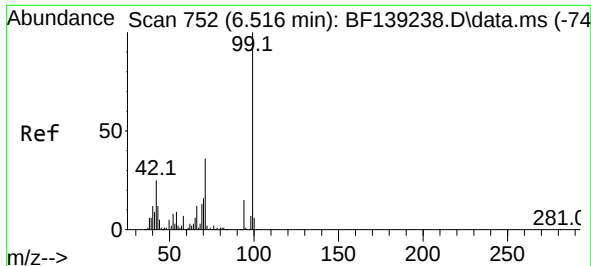
Tgt Ion:152 Resp: 103419
Ion Ratio Lower Upper
152 100
150 155.4 127.0 190.4
115 60.6 46.9 70.3



#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

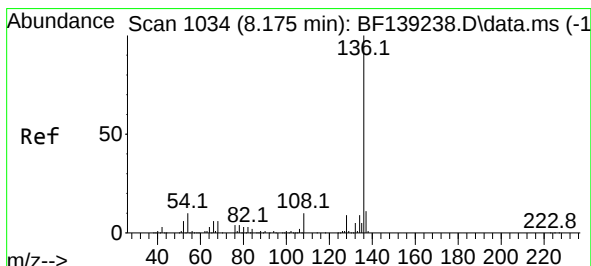
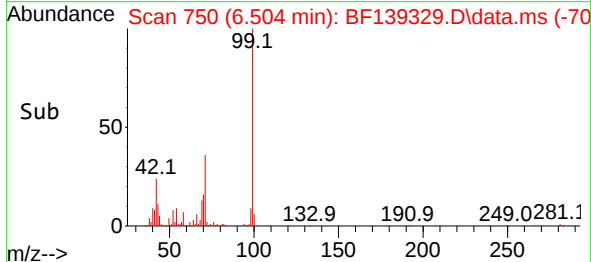
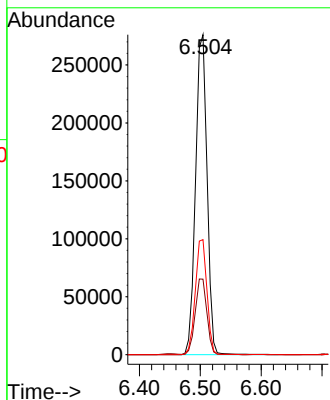
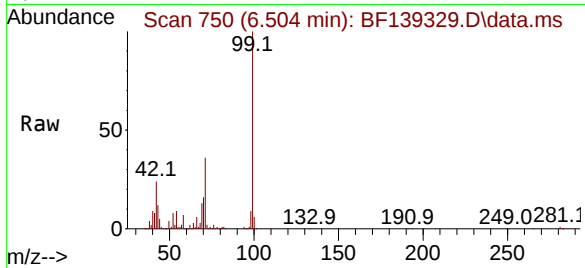




#7
Phenol-d6
Concen: 43.878 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF139329.D
Acq: 11 Sep 2024 16:50

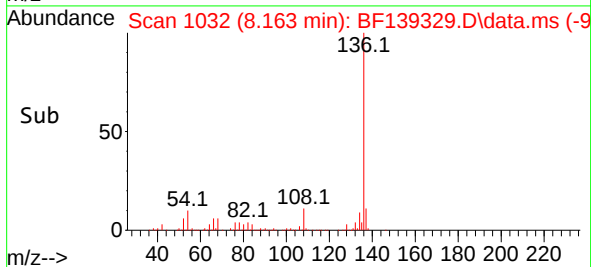
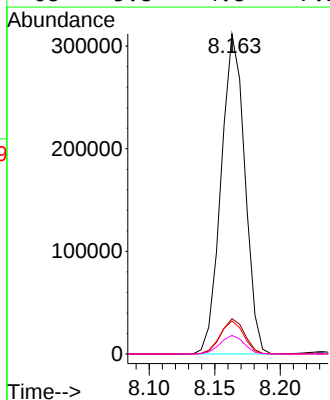
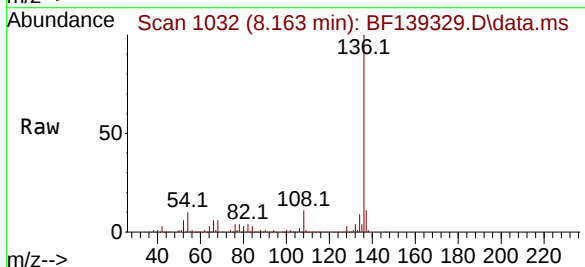
Instrument :
BNA_F
ClientSampleId :
282-COMPOSITE-1

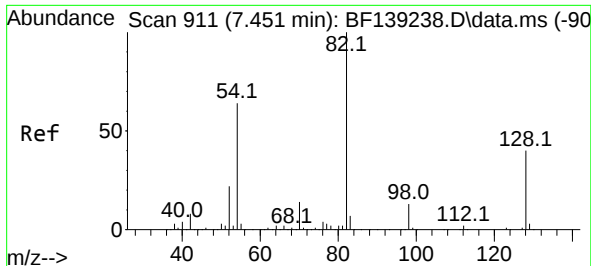
Tgt Ion: 99 Resp: 362127
Ion Ratio Lower Upper
99 100
42 23.6 19.8 29.6
71 35.9 28.8 43.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF139329.D
Acq: 11 Sep 2024 16:50

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

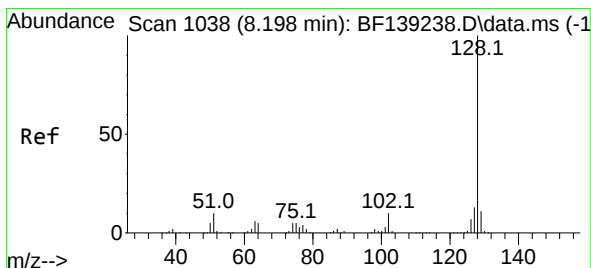
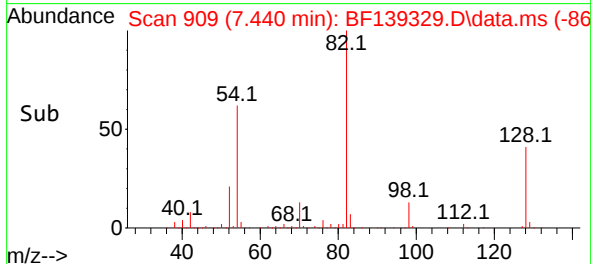
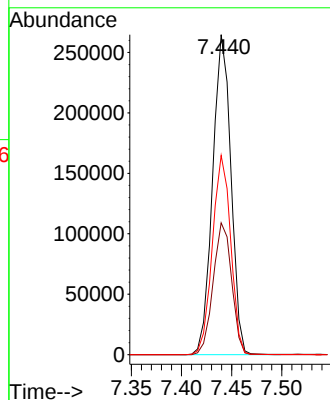
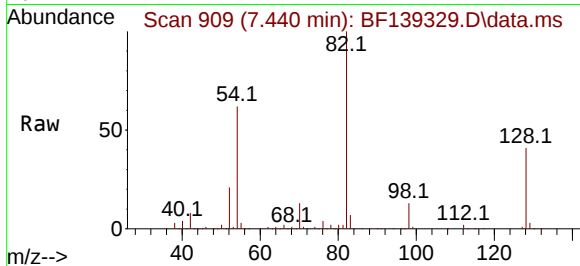




#23
Nitrobenzene-d5
Concen: 44.628 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF139329.D
Acq: 11 Sep 2024 16:50

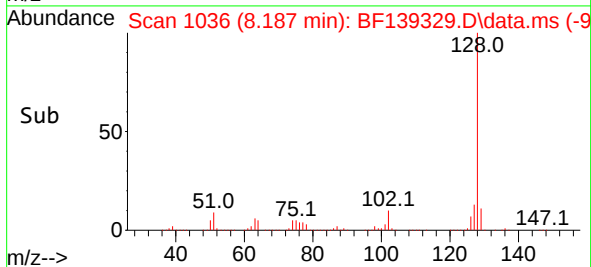
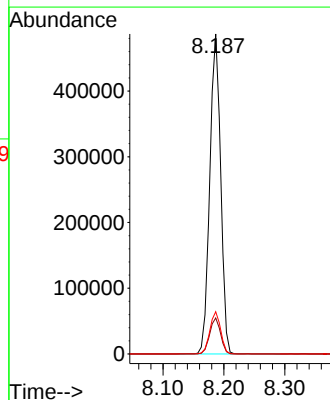
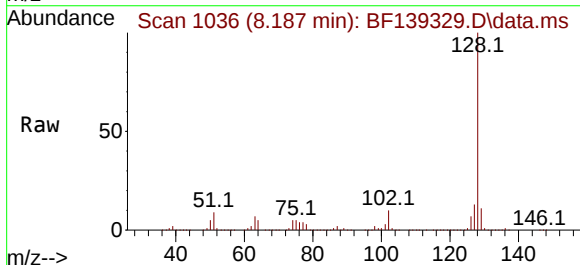
Instrument :
BNA_F
ClientSampleId :
282-COMPOSITE-1

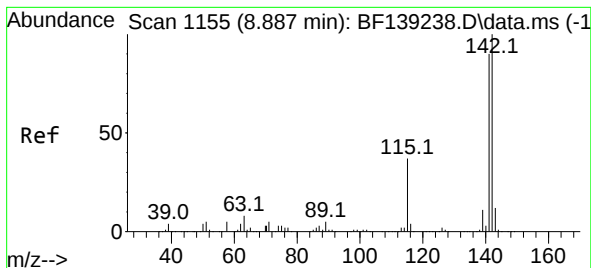
Tgt Ion: 82 Resp: 337029
Ion Ratio Lower Upper
82 100
128 41.2 32.3 48.5
54 62.3 51.2 76.8



#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





#37

2-Methylnaphthalene

Concen: 45.354 ng

RT: 8.881 min Scan# 1155

Delta R.T. -0.006 min

Lab File: BF139329.D

Acq: 11 Sep 2024 16:50

Instrument :

BNA_F

ClientSampleId :

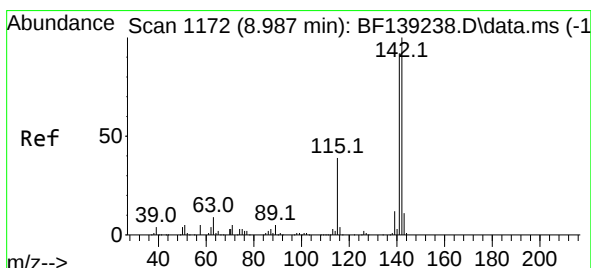
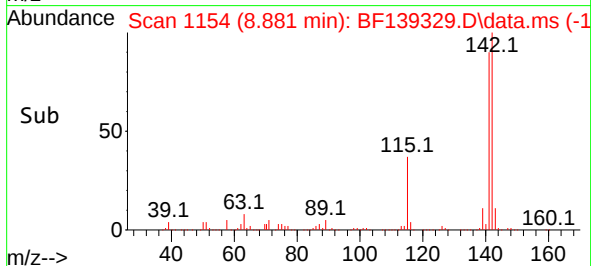
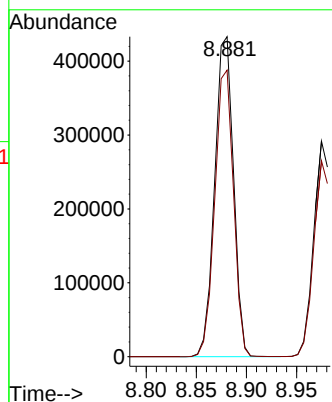
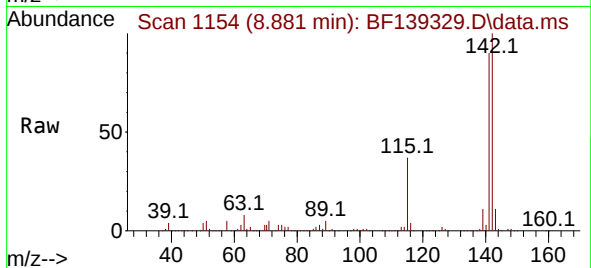
282-COMPOSITE-1

Tgt Ion: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# 1170

Delta R.T. -0.012 min

Lab File: BF139329.D

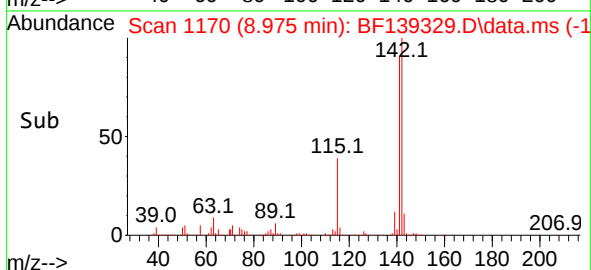
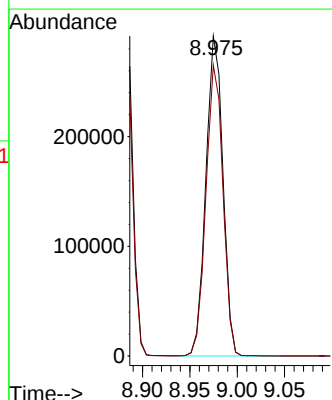
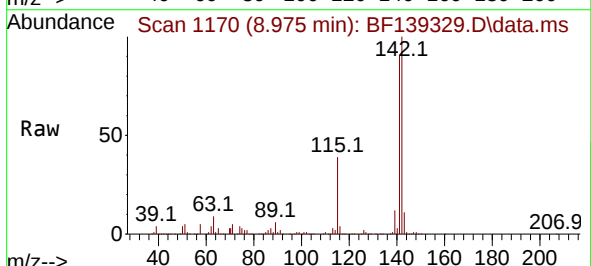
Acq: 11 Sep 2024 16:50

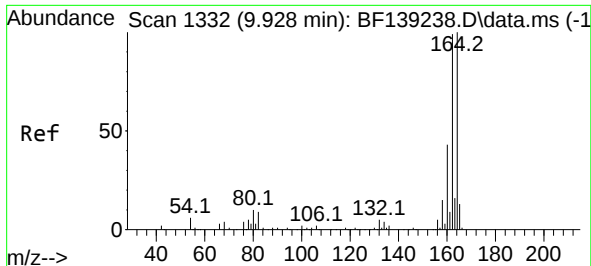
Tgt Ion:142 Resp: 363769

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# 11

Delta R.T. -0.006 min

Lab File: BF139329.D

Acq: 11 Sep 2024 16:50

Instrument :

BNA_F

ClientSampleId :

282-COMPOSITE-1

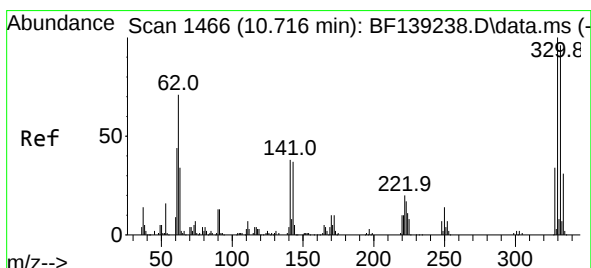
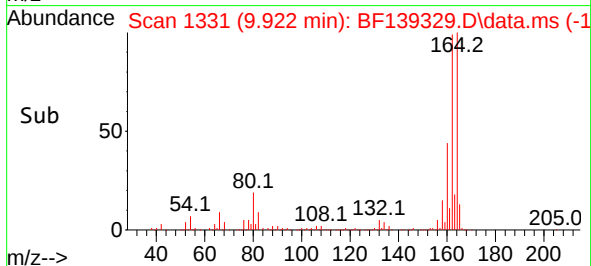
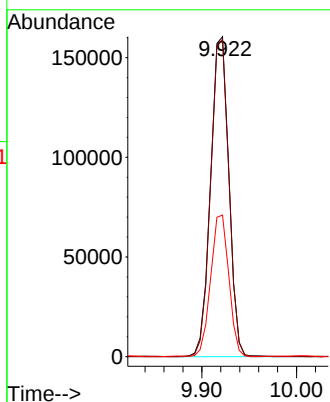
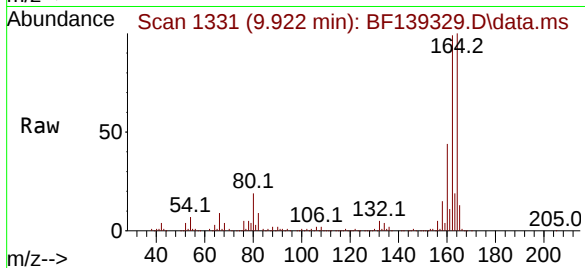
Tgt Ion:164 Resp: 215180

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

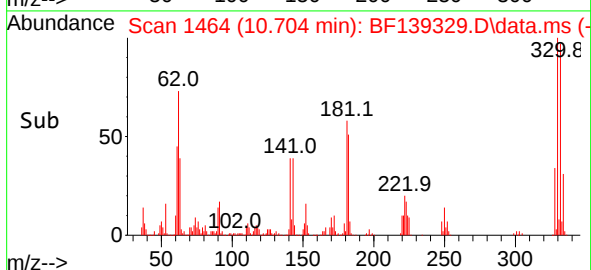
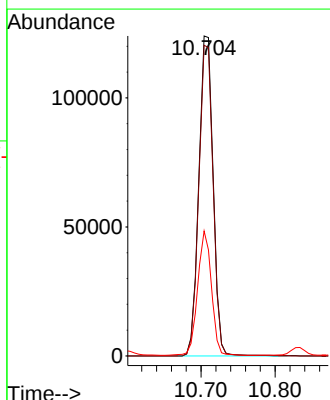
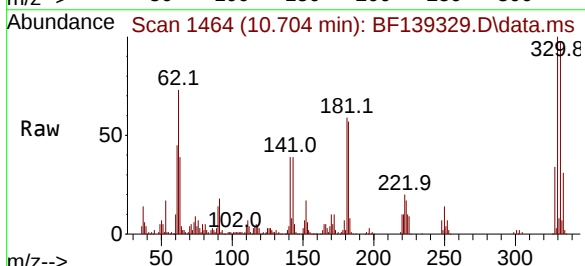
Tgt Ion:330 Resp: 166554

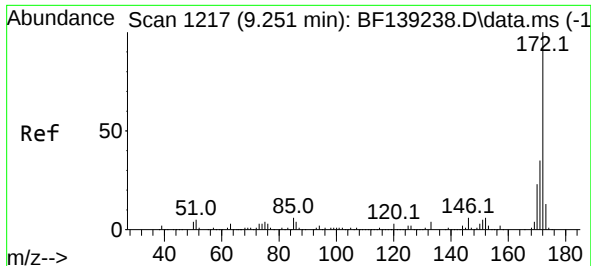
Ion Ratio Lower Upper

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

Instrument :

BNA_F

ClientSampleId :

282-COMPOSITE-1

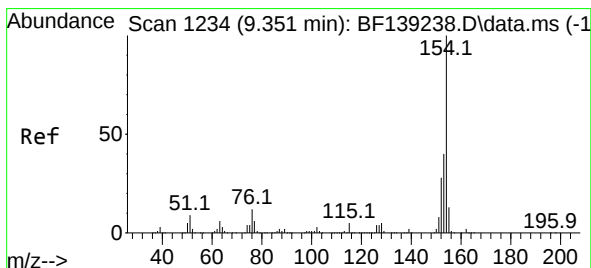
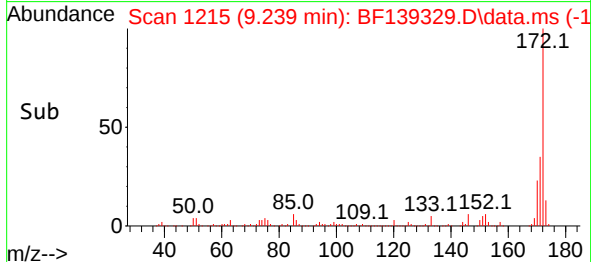
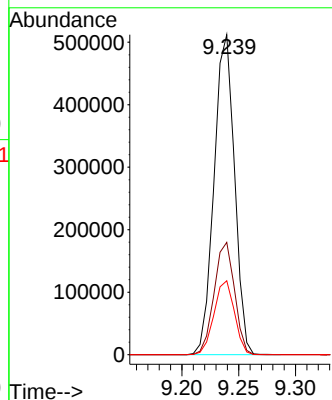
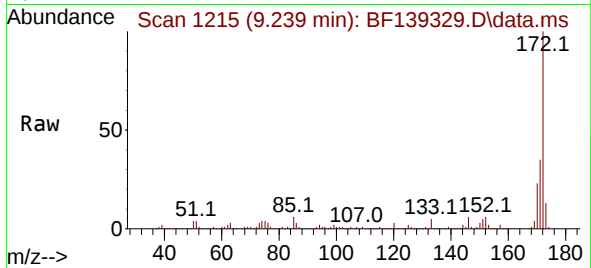
Tgt Ion:172 Resp: 641254

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# 1232

Delta R.T. -0.012 min

Lab File: BF139329.D

Acq: 11 Sep 2024 16:50

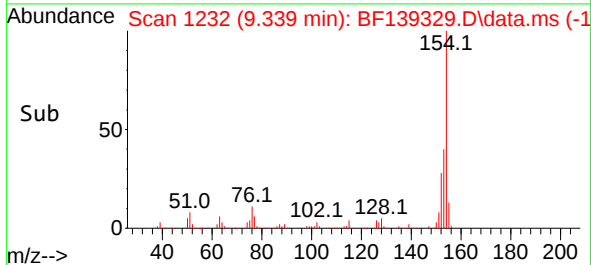
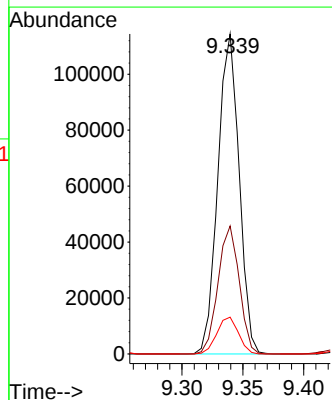
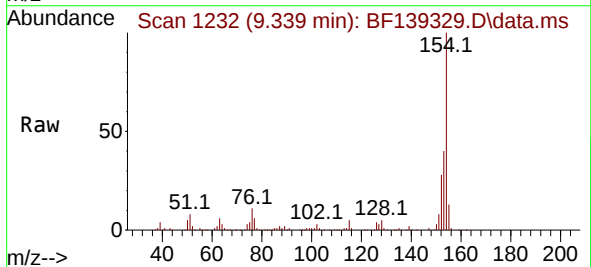
Tgt Ion:154 Resp: 139103

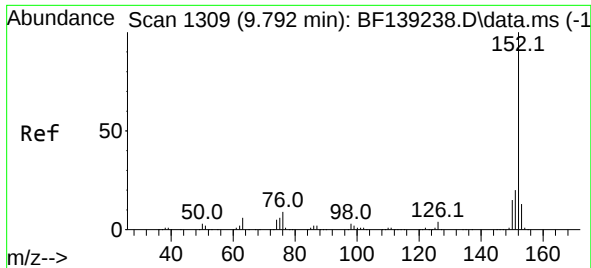
Ion Ratio Lower Upper

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# 1

Delta R.T. -0.018 min

Lab File: BF139329.D

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282-COMPOSITE-1

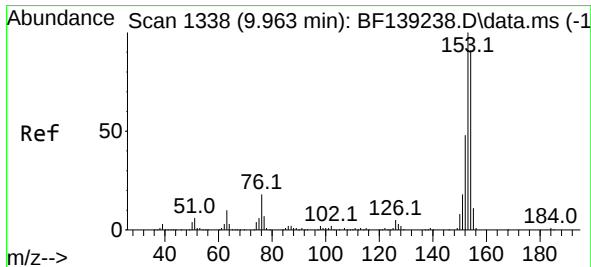
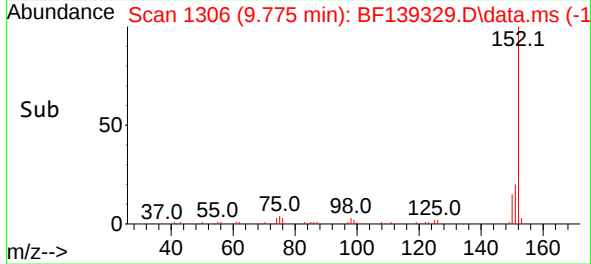
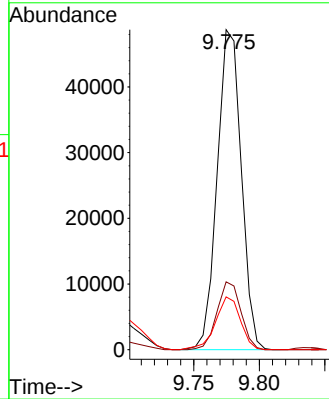
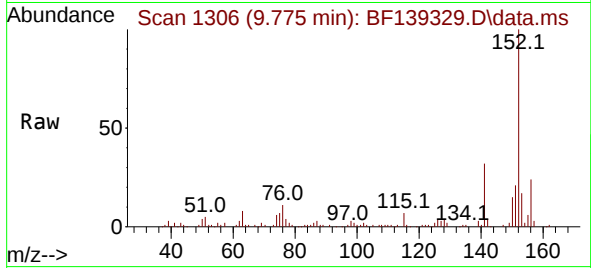
Tgt Ion:152 Resp: 62194

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

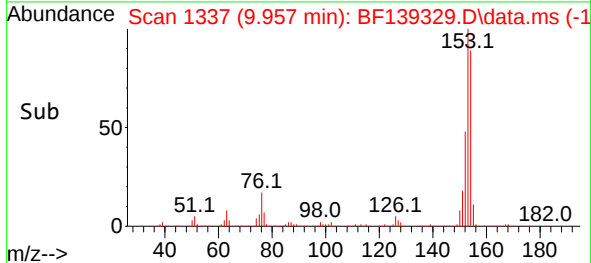
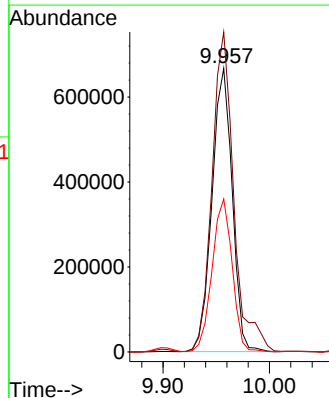
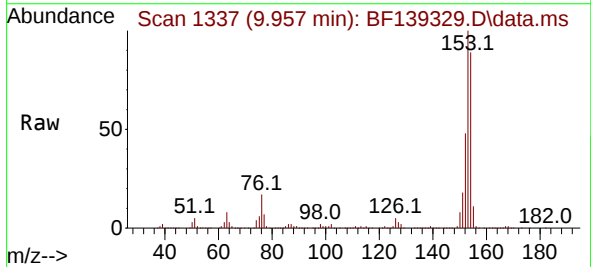
Tgt Ion:154 Resp: 880187

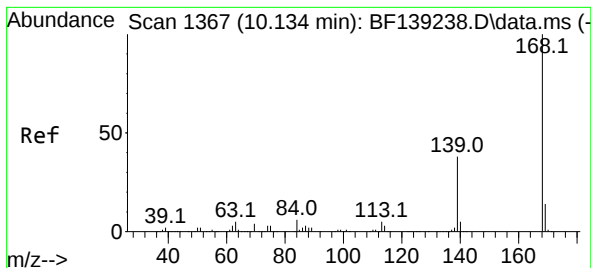
Ion Ratio Lower Upper

154 100

153 112.9 87.8 131.6

152 54.0 41.7 62.5





#55

Dibenzenofuran

Concen: 49.957 ng

RT: 10.128 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139329.D

Acq: 11 Sep 2024 16:50

Instrument :

BNA_F

ClientSampleId :

282-COMPOSITE-1

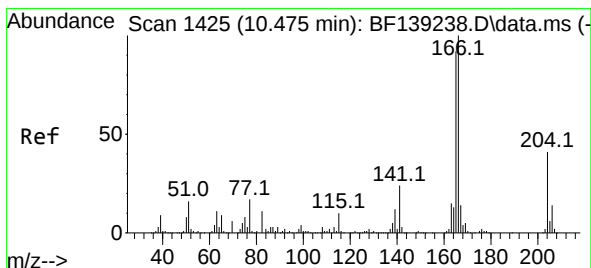
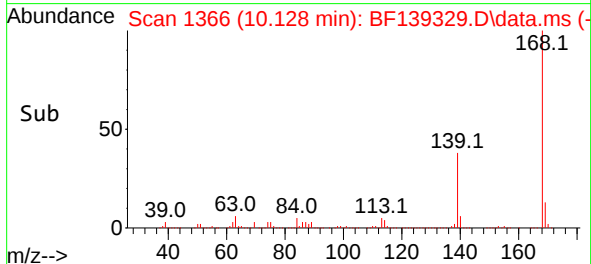
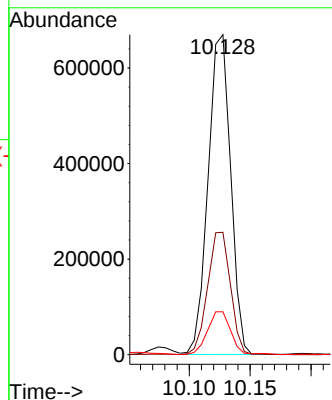
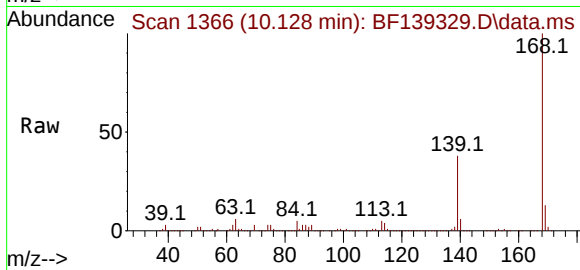
Tgt Ion:168 Resp: 861332

Ion Ratio Lower Upper

168 100

139 38.3 30.2 45.4

169 13.4 10.8 16.2



#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

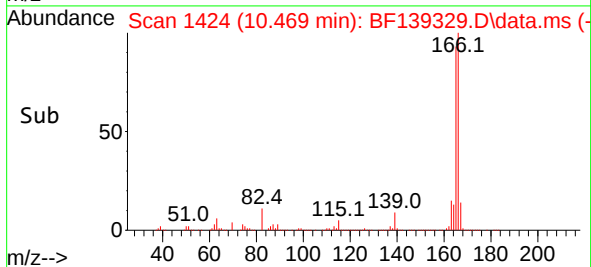
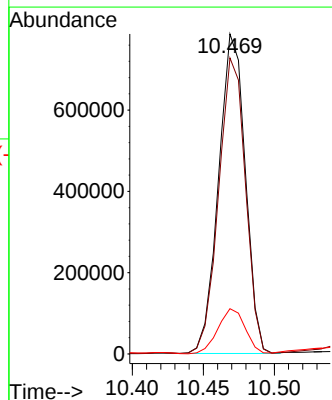
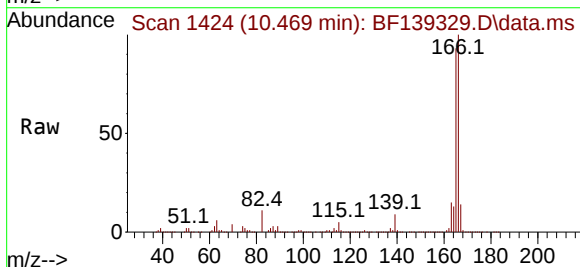
Tgt Ion:166 Resp: 1026575

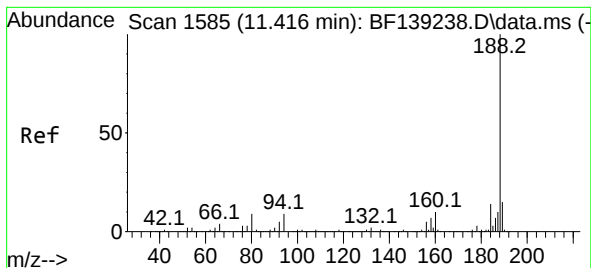
Ion Ratio Lower Upper

166 100

165 92.5 73.7 110.5

167 14.2 10.9 16.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139329.D

Acq: 11 Sep 2024 16:50

Instrument :

BNA_F

ClientSampleId :

282-COMPOSITE-1

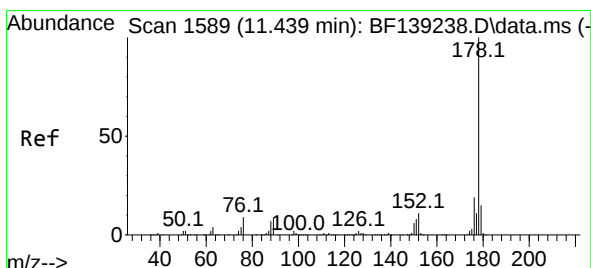
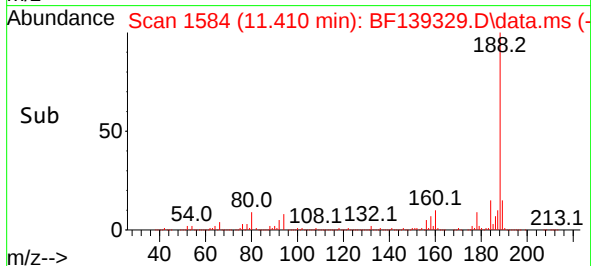
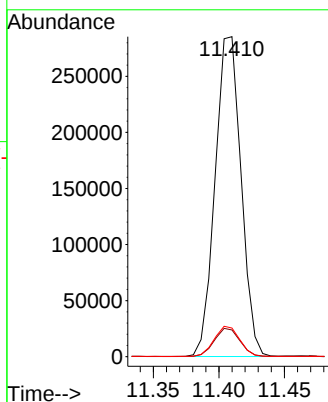
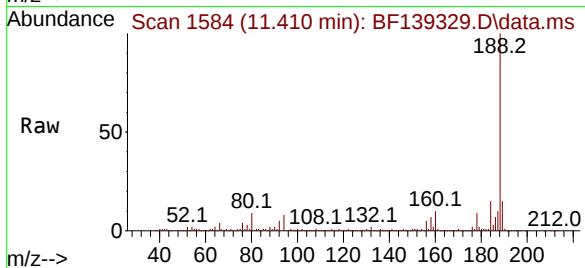
Tgt Ion:188 Resp: 392550

Ion Ratio Lower Upper

188 100

94 8.4 7.0 10.4

80 8.9 7.3 10.9



#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

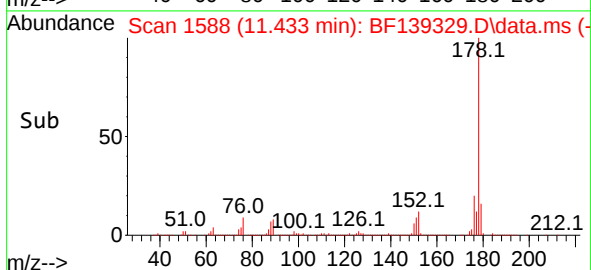
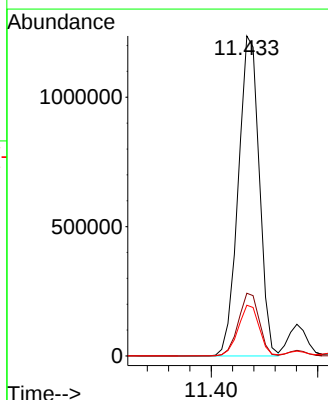
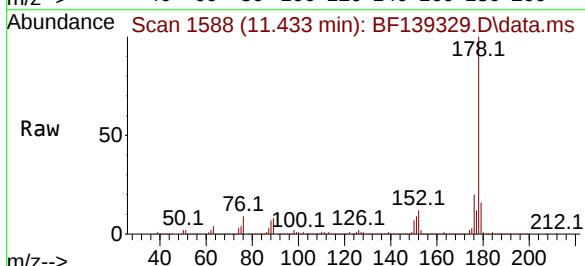
Tgt Ion:178 Resp: 1692410

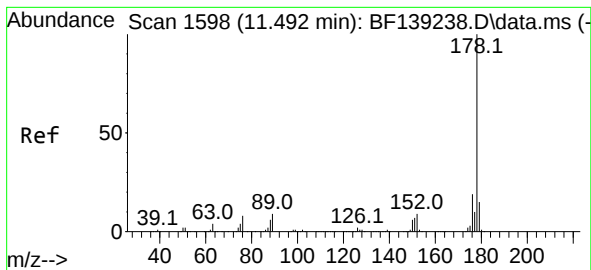
Ion Ratio Lower Upper

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

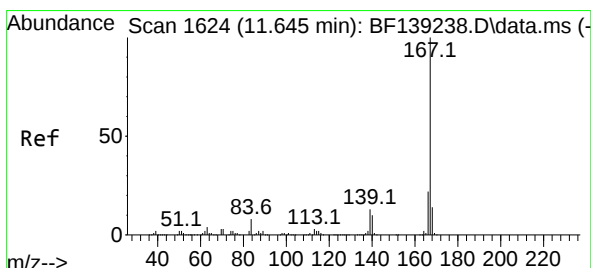
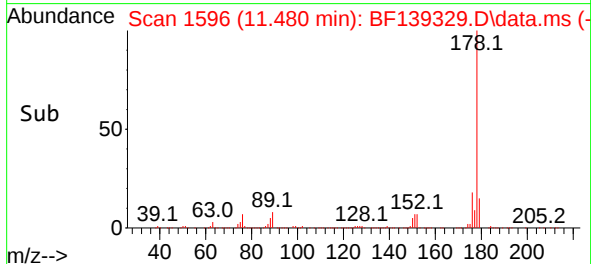
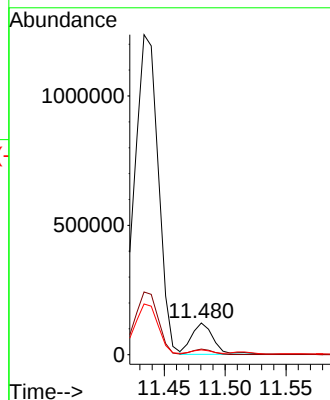
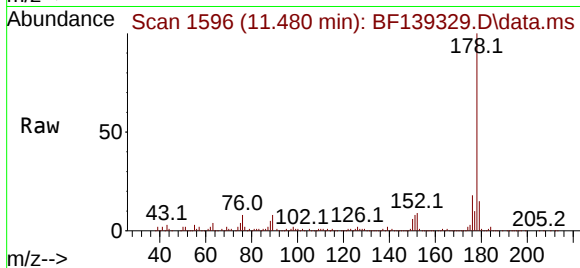
Tgt Ion:178 Resp: 151540

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

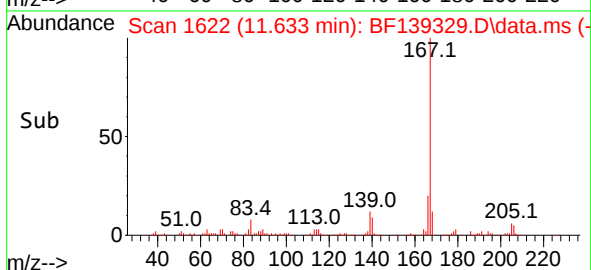
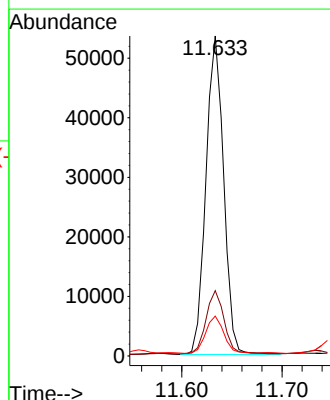
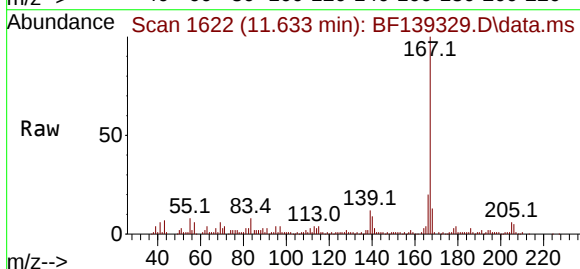
Tgt Ion:167 Resp: 65867

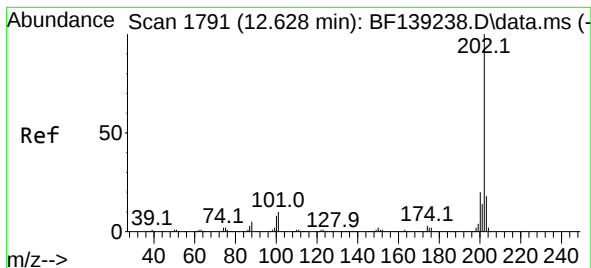
Ion Ratio Lower Upper

167 100

166 20.4 17.2 25.8

139 12.4 10.2 15.4

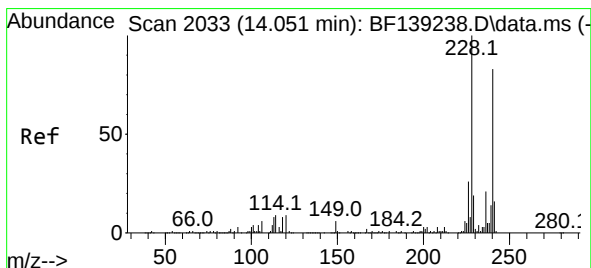
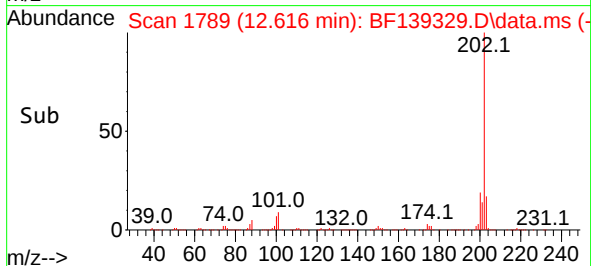
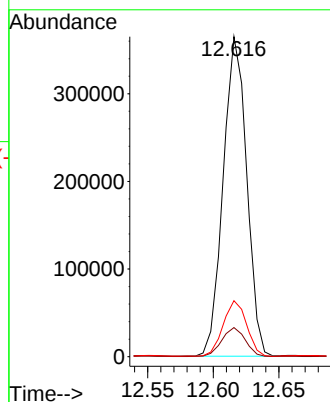
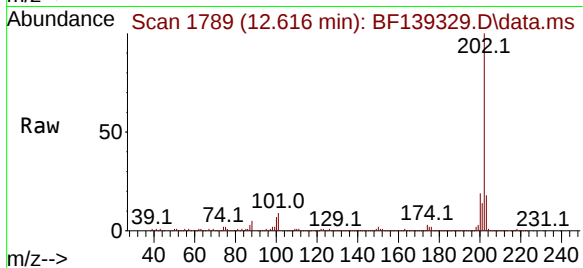




#75
Fluoranthene
Concen: 24.721 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.012 min
Lab File: BF139329.D
Acq: 11 Sep 2024 16:50

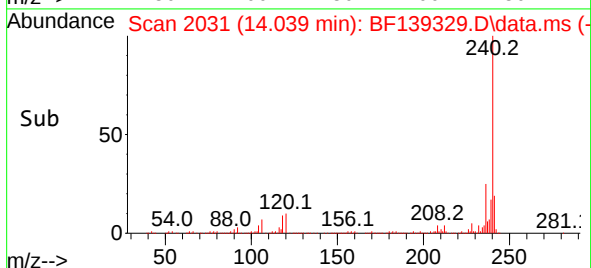
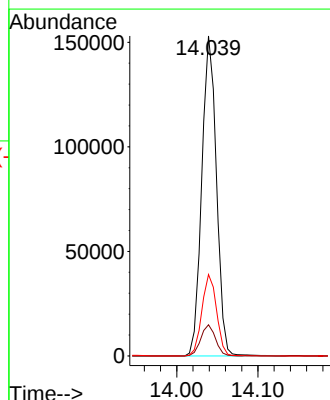
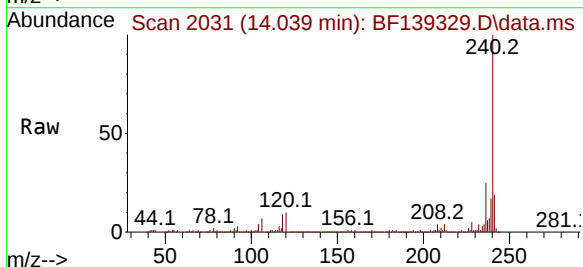
Instrument :
BNA_F
ClientSampleId :
282-COMPOSITE-1

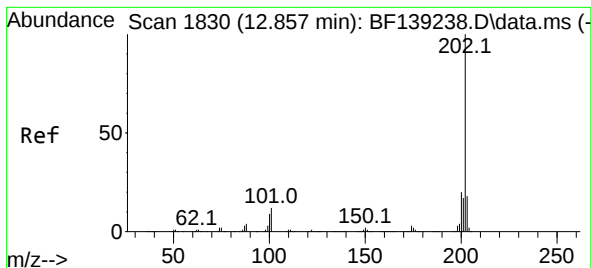
Tgt Ion:202 Resp: 454490
Ion Ratio Lower Upper
202 100
101 9.1 0.0 29.9
203 17.5 0.0 37.7



#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

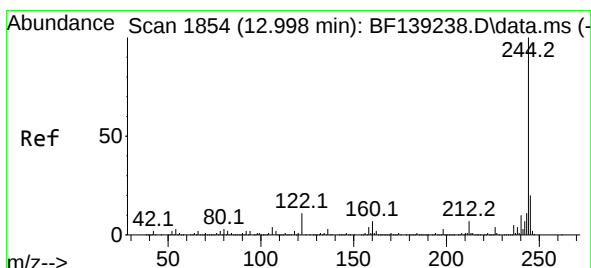
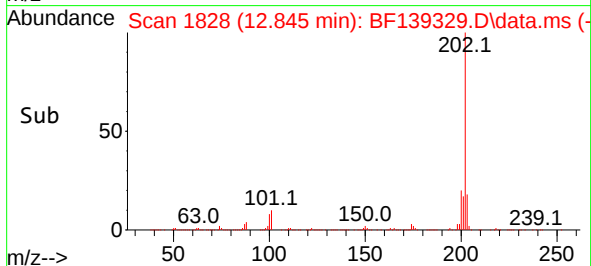
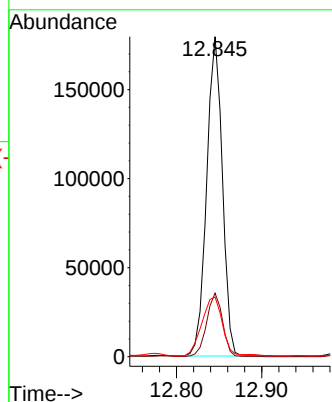
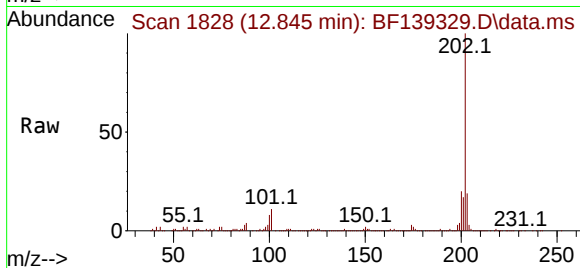
Tgt Ion:202 Resp: 229980

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

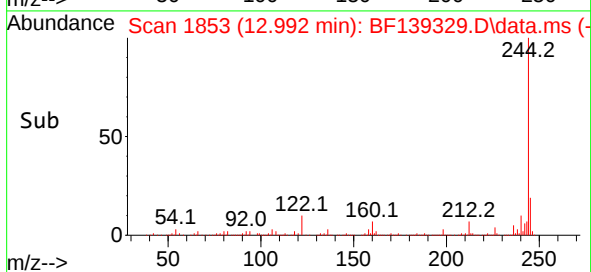
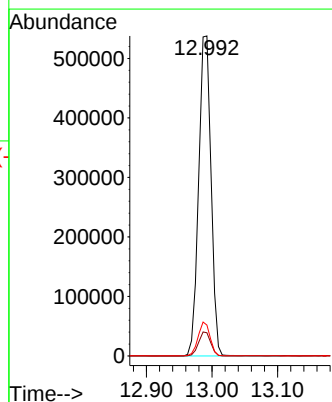
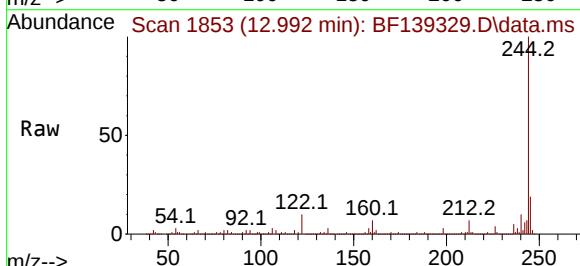
Tgt Ion:244 Resp: 707913

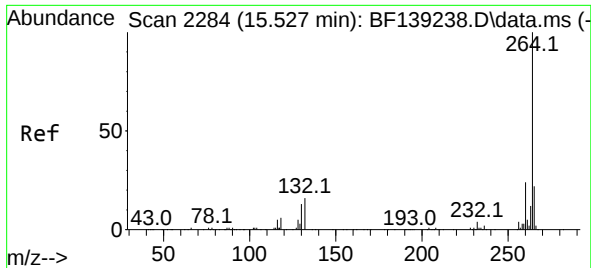
Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

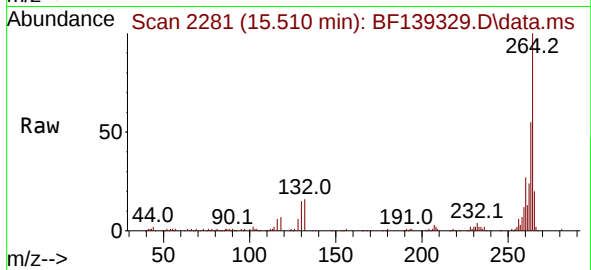
122 9.6 8.7 13.1





#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

