

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091224\
 Data File : BF139343.D
 Acq On : 12 Sep 2024 17:17
 Operator : RC/JU
 Sample : P3912-01DL 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 282-COMPOSITE-1DL

Quant Time: Sep 12 17:53:15 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)

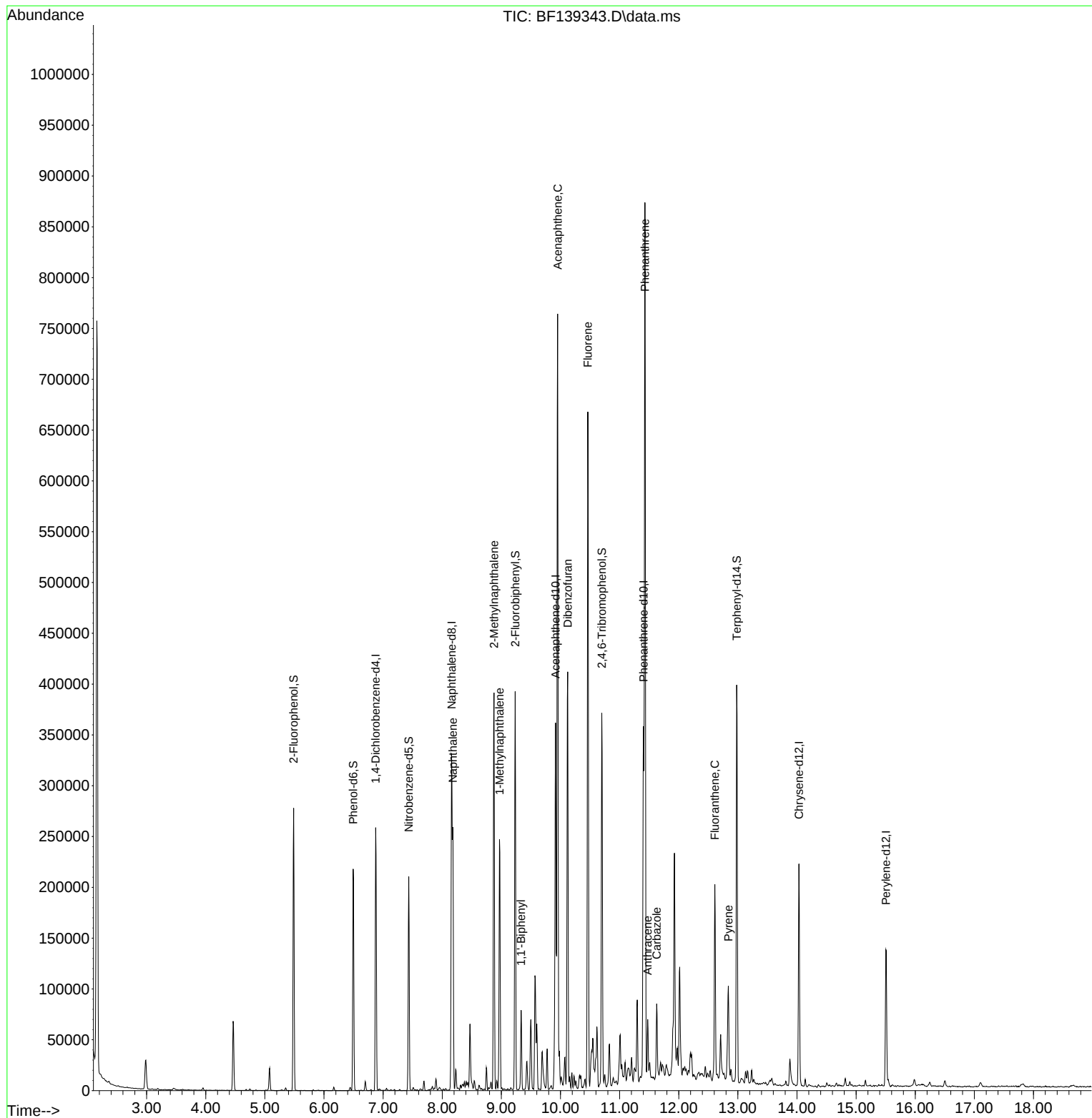
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	48815	20.000	ng	-0.02
21) Naphthalene-d8	8.157	136	183535	20.000	ng	#-0.02
39) Acenaphthene-d10	9.916	164	100400	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	176003	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	93961	20.000	ng	#-0.02
86) Perylene-d12	15.504	264	73005	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	82431	28.249	ng	-0.02
7) Phenol-d6	6.493	99	81188	20.841	ng	-0.02
23) Nitrobenzene-d5	7.434	82	81791	23.184	ng	-0.02
42) 2,4,6-Tribromophenol	10.698	330	39901	46.024	ng	-0.02
45) 2-Fluorobiphenyl	9.234	172	153758	23.640	ng	-0.02
79) Terphenyl-d14	12.980	244	176135	30.266	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.181	128	139548	15.014	ng	99
37) 2-Methylnaphthalene	8.875	142	136402	23.457	ng	98
38) 1-Methylnaphthalene	8.969	142	82294	14.389	ng	99
46) 1,1'-Biphenyl	9.334	154	32166	4.324	ng	98
52) Acenaphthene	9.951	154	222956	39.735	ng	97
55) Dibenzofuran	10.122	168	202259	25.142	ng	94
58) Fluorene	10.463	166	252717	40.518	ng	100
71) Phenanthrene	11.428	178	424557	51.636	ng	99
72) Anthracene	11.475	178	27805	3.462	ng	98
73) Carbazole	11.628	167	35860	4.777	ng	99
75) Fluoranthene	12.610	202	101956	12.369	ng	97
78) Pyrene	12.839	202	50928	5.611	ng	97

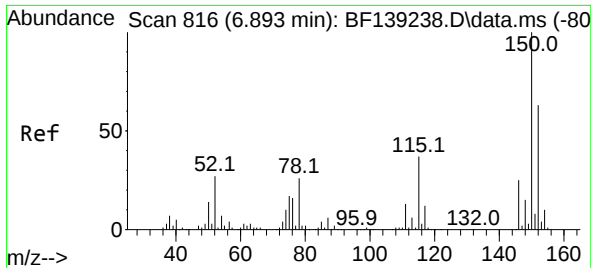
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091224\
Data File : BF139343.D
Acq On : 12 Sep 2024 17:17
Operator : RC/JU
Sample : P3912-01DL 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
282-COMPOSITE-1DL

Quant Time: Sep 12 17:53:15 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

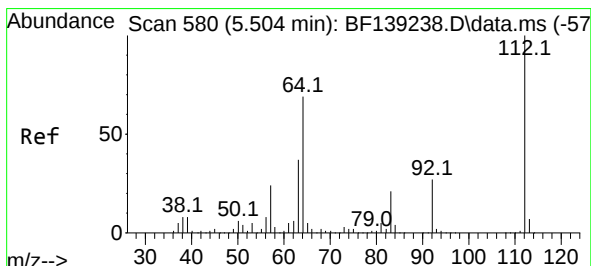
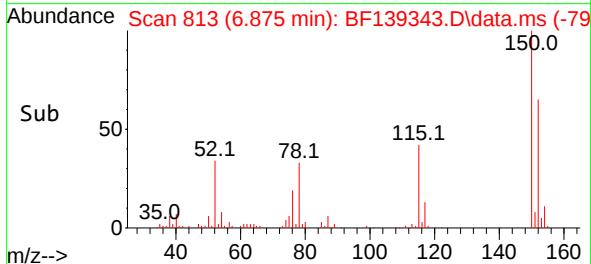
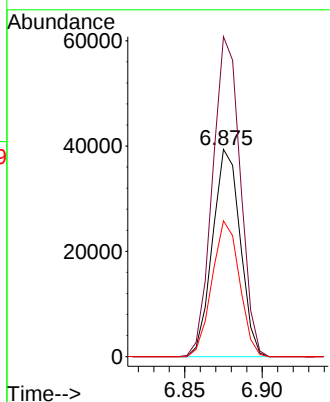
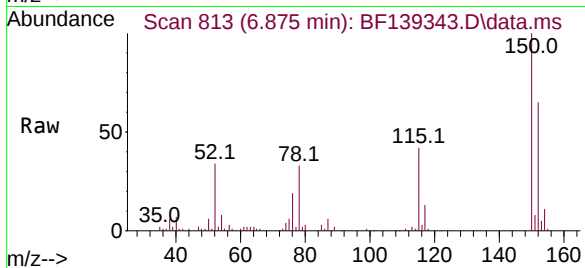




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 816
 Delta R.T. -0.018 min
 Lab File: BF139343.D
 Acq: 12 Sep 2024 17:17

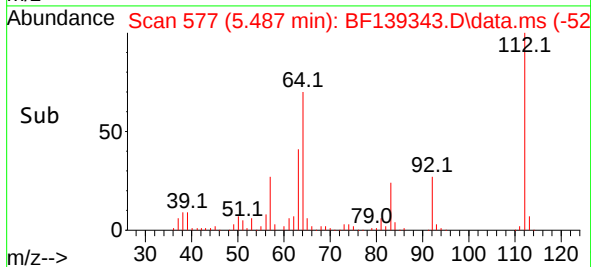
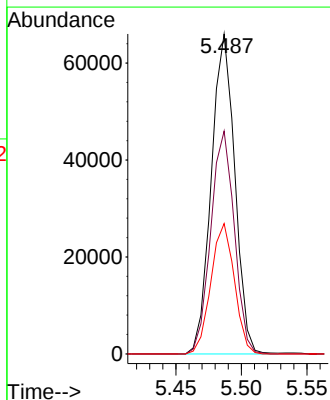
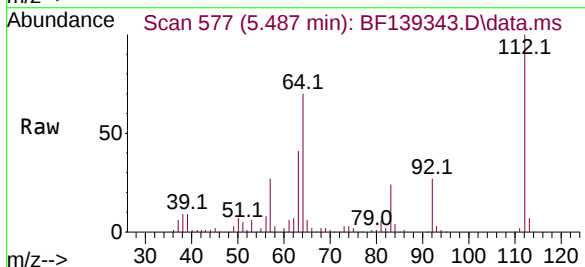
Instrument :
 BNA_F
 ClientSampleId :
 282-COMPOSITE-1DL

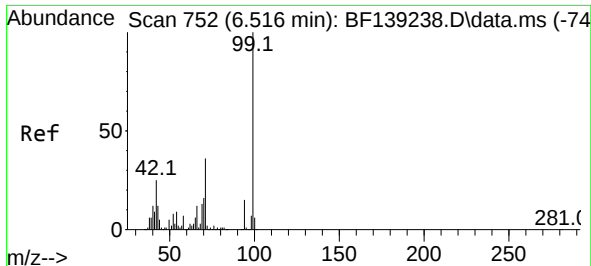
Tgt Ion:152 Resp: 48815
 Ion Ratio Lower Upper
 152 100
 150 154.3 127.0 190.4
 115 65.5 46.9 70.3



#5
 2-Fluorophenol
 Concen: 28.249 ng
 RT: 5.487 min Scan# 577
 Delta R.T. -0.018 min
 Lab File: BF139343.D
 Acq: 12 Sep 2024 17:17

Tgt Ion:112 Resp: 82431
 Ion Ratio Lower Upper
 112 100
 64 69.6 55.0 82.4
 63 40.7 29.9 44.9

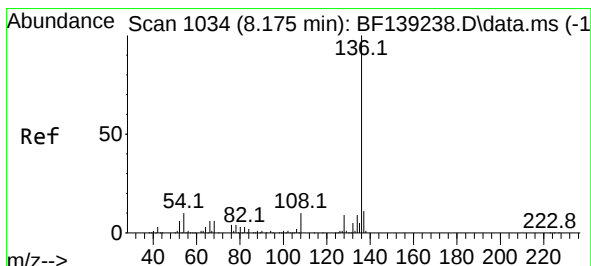
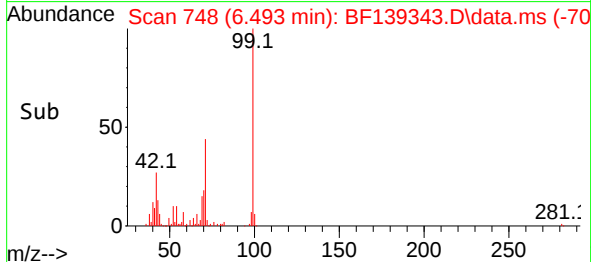
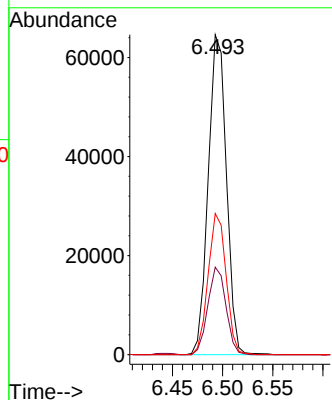
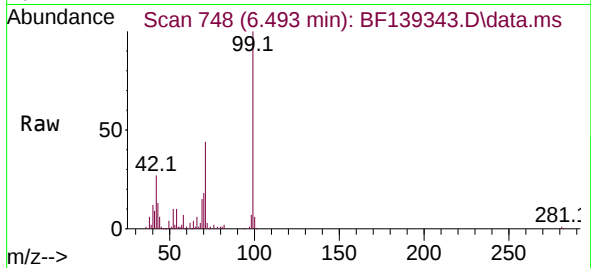




#7
Phenol-d6
Concen: 20.841 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.024 min
Lab File: BF139343.D
Acq: 12 Sep 2024 17:17

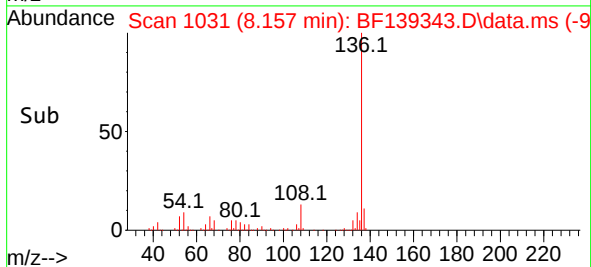
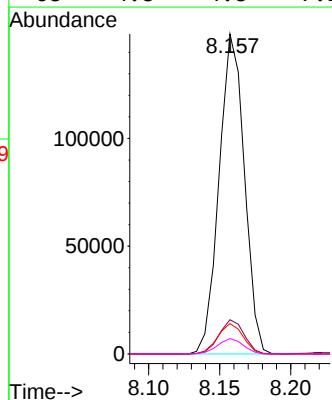
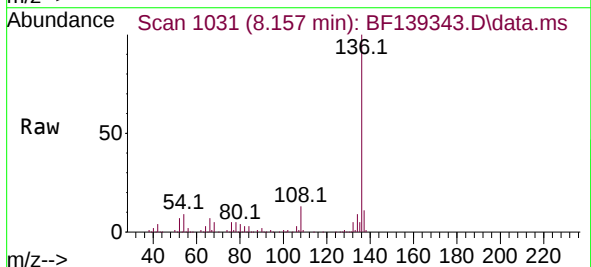
Instrument :
BNA_F
ClientSampleId :
282-COMPOSITE-1DL

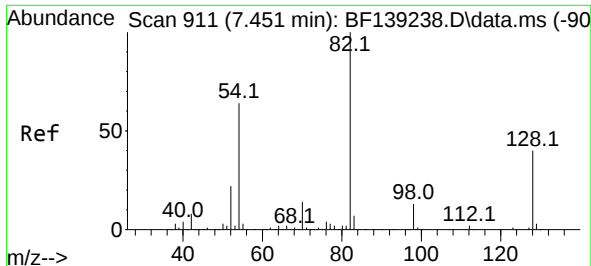
Tgt Ion: 99 Resp: 81188
Ion Ratio Lower Upper
99 100
42 27.3 19.8 29.6
71 44.1 28.8 43.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.018 min
Lab File: BF139343.D
Acq: 12 Sep 2024 17:17

Tgt Ion: 136 Resp: 183535
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 9.5 8.4 12.6
68 4.8 4.8 7.2#





#23

Nitrobenzene-d5

Concen: 23.184 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.018 min

Lab File: BF139343.D

Acq: 12 Sep 2024 17:17

Instrument :

BNA_F

ClientSampleId :

282-COMPOSITE-1DL

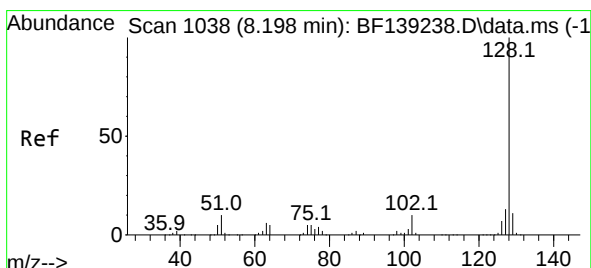
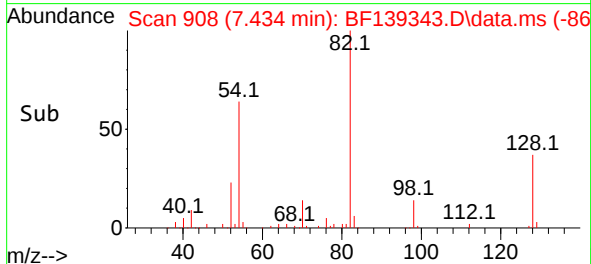
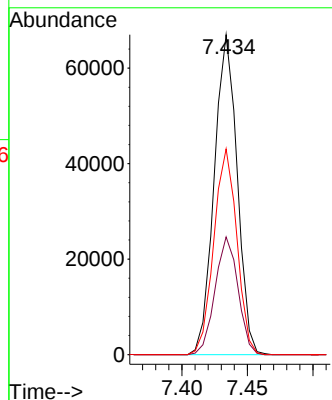
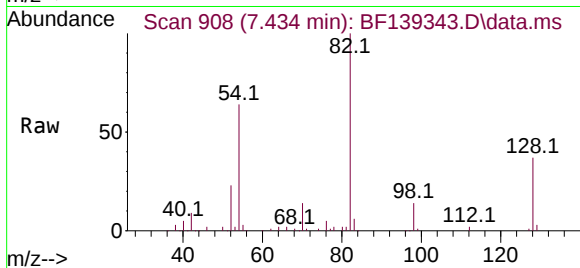
Tgt Ion: 82 Resp: 81791

Ion Ratio Lower Upper

82 100

128 36.8 32.3 48.5

54 64.3 51.2 76.8



#31

Naphthalene

Concen: 15.014 ng

RT: 8.181 min Scan# 1035

Delta R.T. -0.018 min

Lab File: BF139343.D

Acq: 12 Sep 2024 17:17

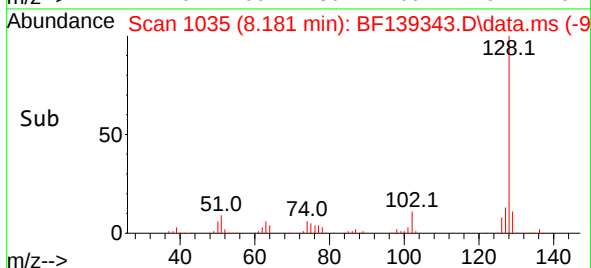
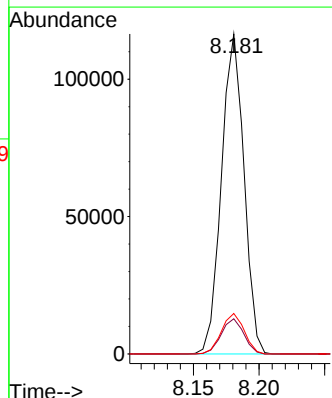
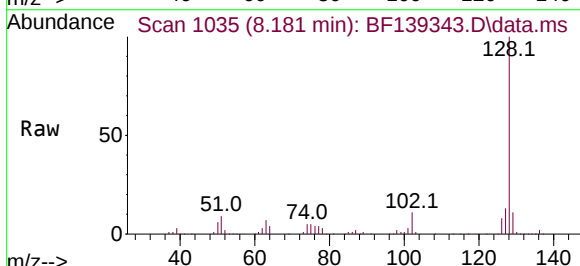
Tgt Ion:128 Resp: 139548

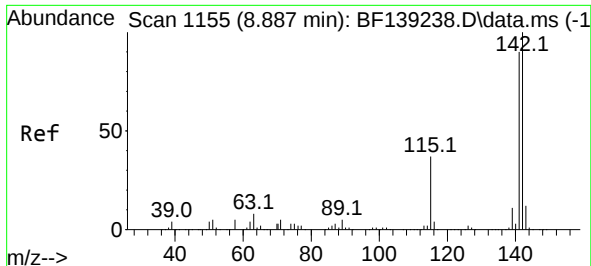
Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

127 12.6 10.6 15.8





#37

2-Methylnaphthalene

Concen: 23.457 ng

RT: 8.875 min Scan# 1155

Delta R.T. -0.012 min

Lab File: BF139343.D

Acq: 12 Sep 2024 17:17

Instrument :

BNA_F

ClientSampleId :

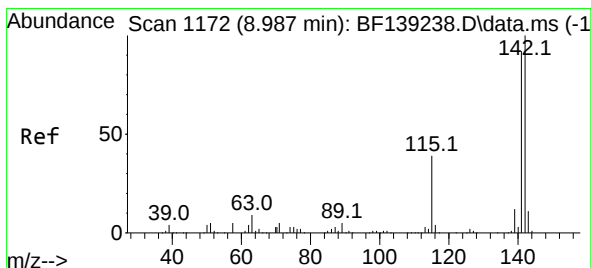
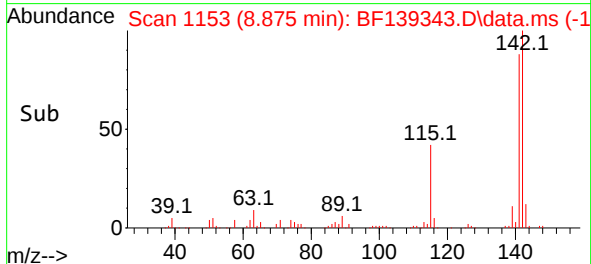
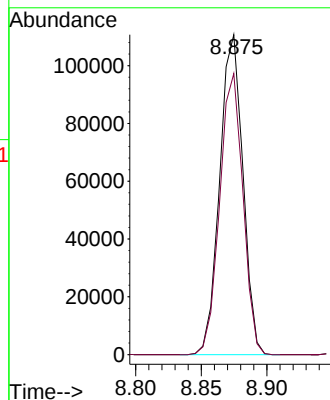
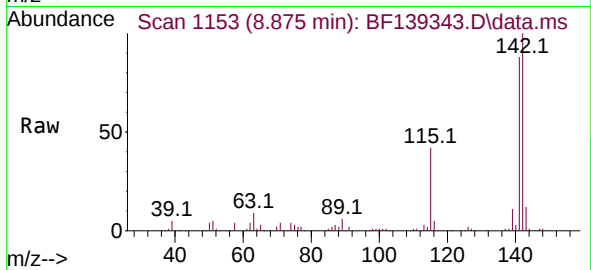
282-COMPOSITE-1DL

Tgt Ion:142 Resp: 136402

Ion Ratio Lower Upper

142 100

141 87.8 71.6 107.4



#38

1-Methylnaphthalene

Concen: 14.389 ng

RT: 8.969 min Scan# 1169

Delta R.T. -0.018 min

Lab File: BF139343.D

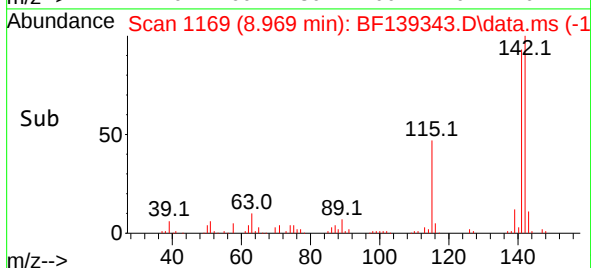
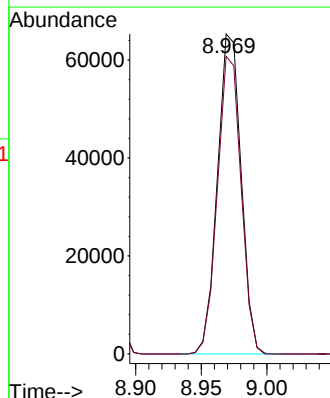
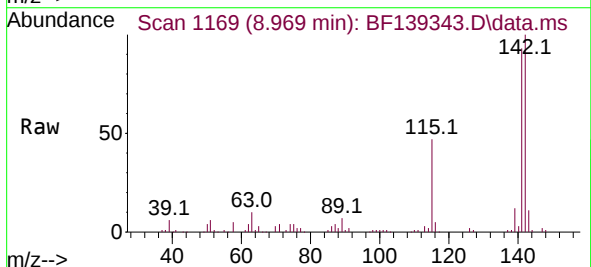
Acq: 12 Sep 2024 17:17

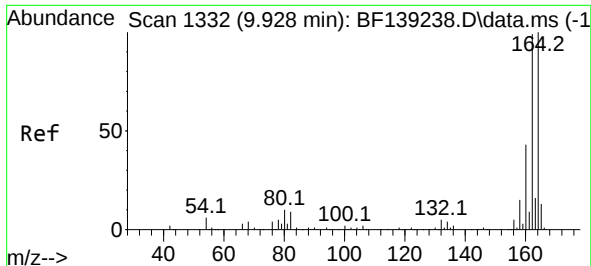
Tgt Ion:142 Resp: 82294

Ion Ratio Lower Upper

142 100

141 93.0 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1330

Delta R.T. -0.012 min

Lab File: BF139343.D

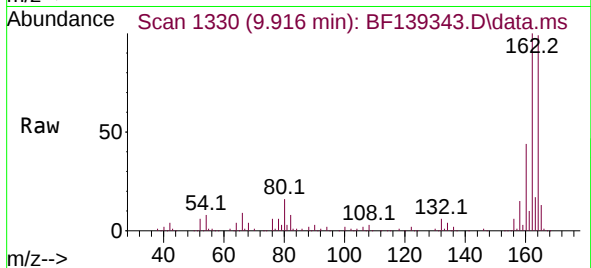
Acq: 12 Sep 2024 17:17

Instrument :

BNA_F

ClientSampleId :

282-COMPOSITE-1DL



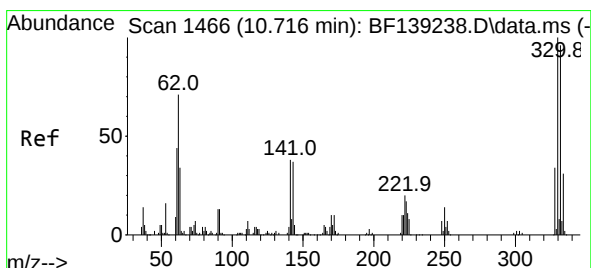
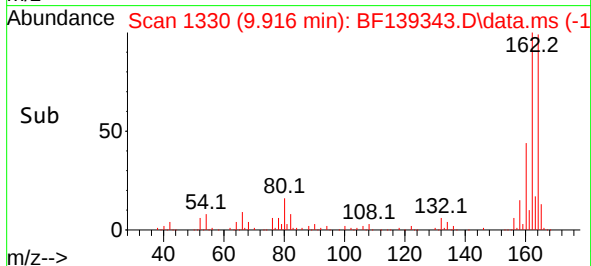
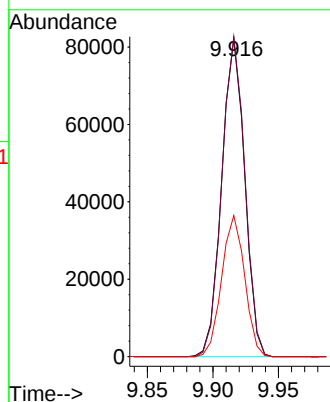
Tgt Ion:164 Resp: 100400

Ion Ratio Lower Upper

164 100

162 100.7 79.2 118.8

160 44.4 34.2 51.2



#42

2,4,6-Tribromophenol

Concen: 46.024 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.018 min

Lab File: BF139343.D

Acq: 12 Sep 2024 17:17

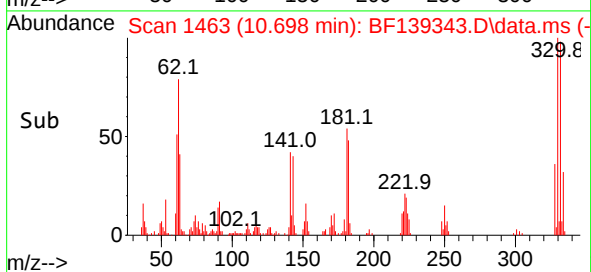
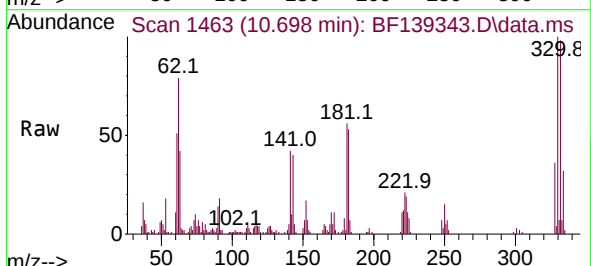
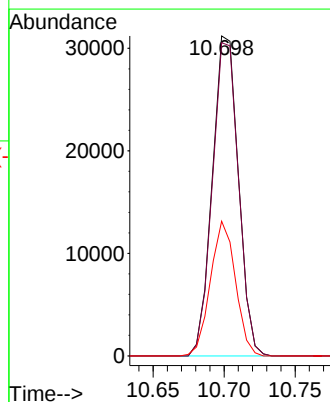
Tgt Ion:330 Resp: 39901

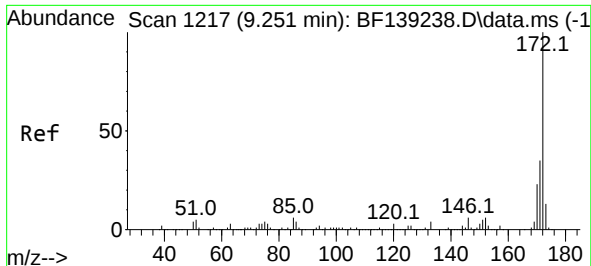
Ion Ratio Lower Upper

330 100

332 98.2 76.6 115.0

141 40.5 30.1 45.1





#45

2-Fluorobiphenyl

Concen: 23.640 ng

RT: 9.234 min Scan# 1214

Delta R.T. -0.018 min

Lab File: BF139343.D

Acq: 12 Sep 2024 17:17

Instrument :

BNA_F

ClientSampleId :

282-COMPOSITE-1DL

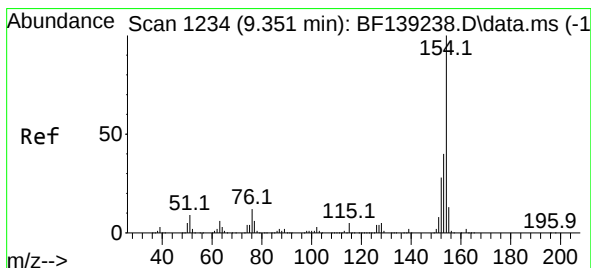
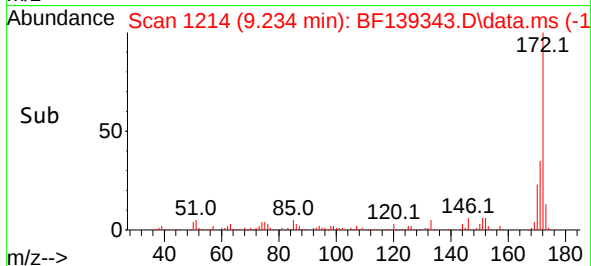
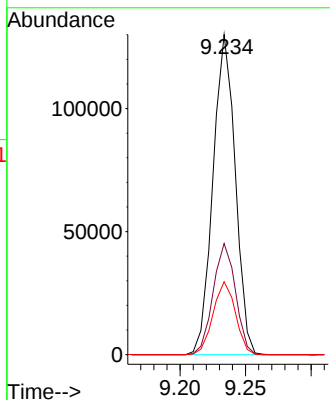
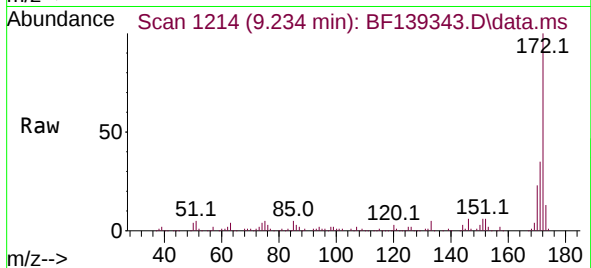
Tgt Ion:172 Resp: 153758

Ion Ratio Lower Upper

172 100

171 34.7 28.3 42.5

170 22.8 18.7 28.1



#46

1,1'-Biphenyl

Concen: 4.324 ng

RT: 9.334 min Scan# 1231

Delta R.T. -0.018 min

Lab File: BF139343.D

Acq: 12 Sep 2024 17:17

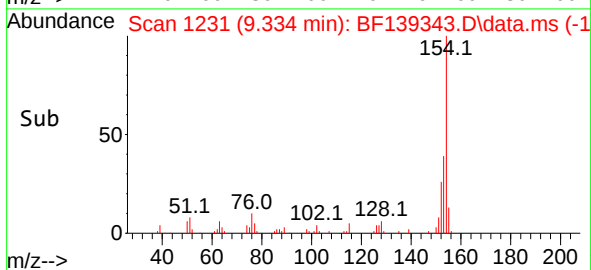
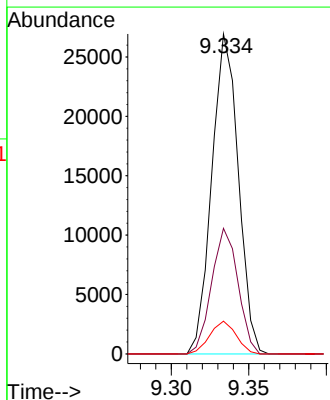
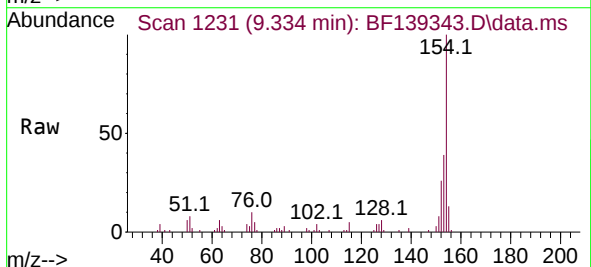
Tgt Ion:154 Resp: 32166

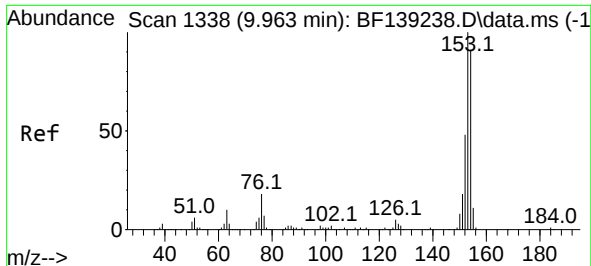
Ion Ratio Lower Upper

154 100

153 39.2 20.1 60.1

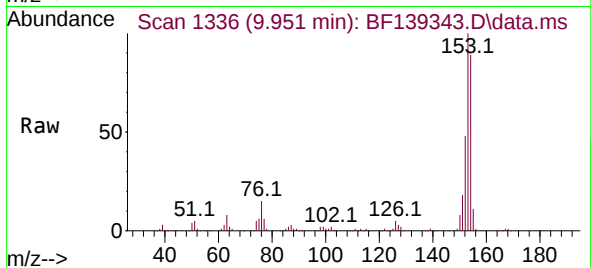
76 10.2 0.0 32.3



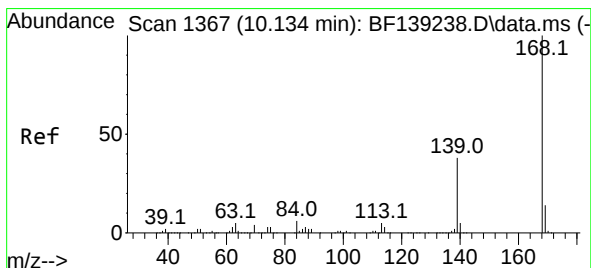
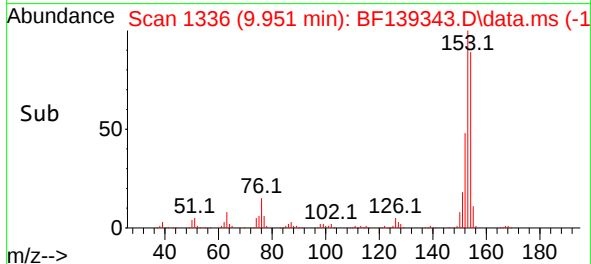
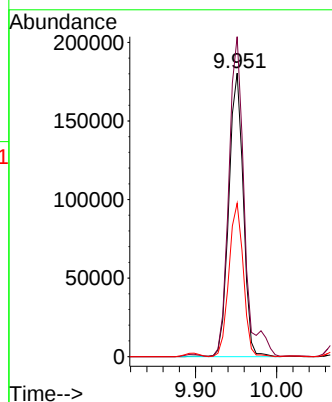


#52
Acenaphthene
Concen: 39.735 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.012 min
Lab File: BF139343.D
Acq: 12 Sep 2024 17:17

Instrument :
BNA_F
ClientSampleId :
282-COMPOSITE-1DL

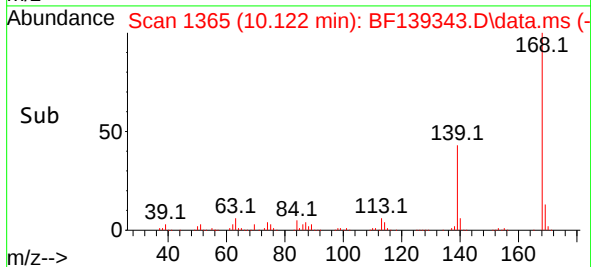
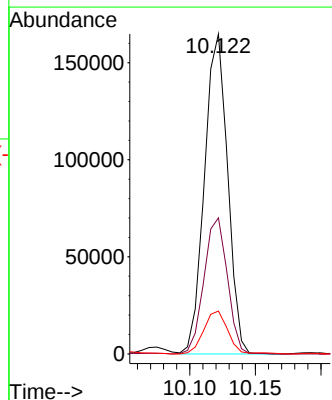
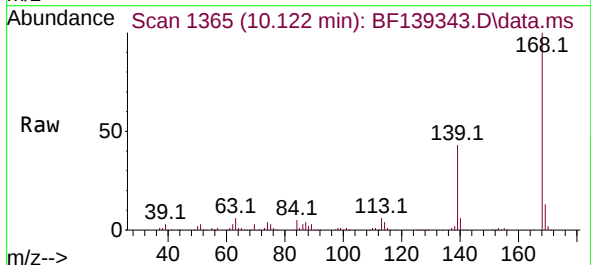


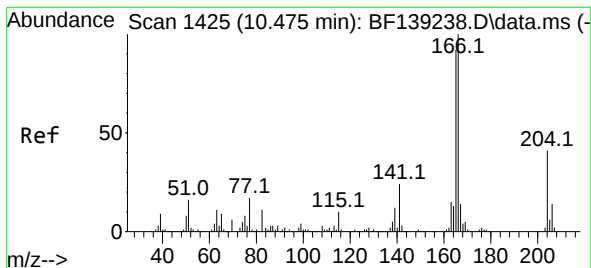
Tgt Ion:154 Resp: 222956
Ion Ratio Lower Upper
154 100
153 112.9 87.8 131.6
152 54.1 41.7 62.5



#55
Dibenzofuran
Concen: 25.142 ng
RT: 10.122 min Scan# 1365
Delta R.T. -0.012 min
Lab File: BF139343.D
Acq: 12 Sep 2024 17:17

Tgt Ion:168 Resp: 202259
Ion Ratio Lower Upper
168 100
139 42.5 30.2 45.4
169 13.4 10.8 16.2





#58

Fluorene

Concen: 40.518 ng

RT: 10.463 min Scan# 1423

Delta R.T. -0.012 min

Lab File: BF139343.D

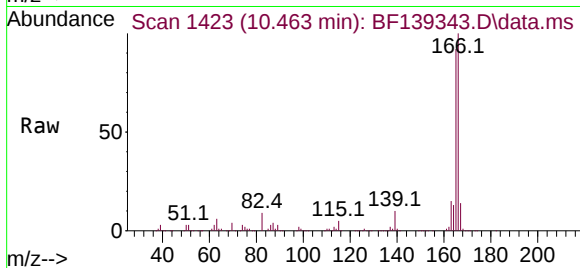
Acq: 12 Sep 2024 17:17

Instrument :

BNA_F

ClientSampleId :

282-COMPOSITE-1DL



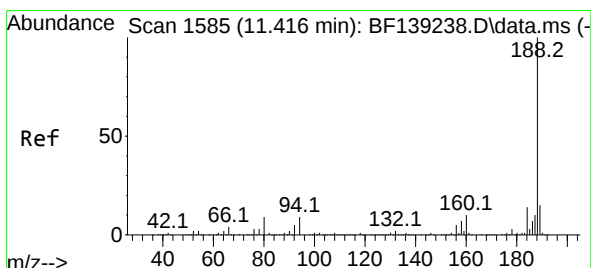
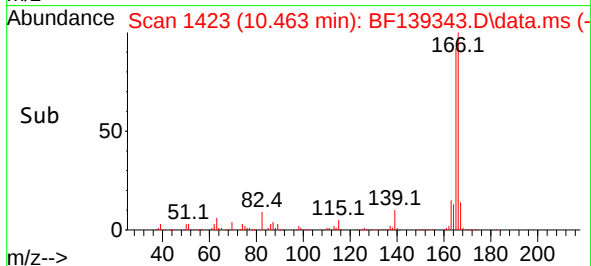
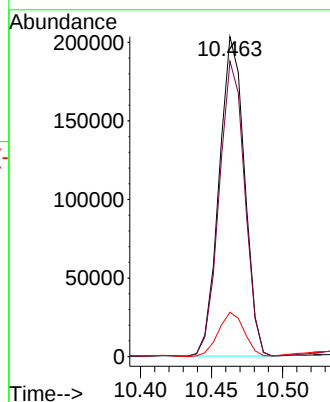
Tgt Ion:166 Resp: 252717

Ion Ratio Lower Upper

166 100

165 92.3 73.7 110.5

167 13.8 10.9 16.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1583

Delta R.T. -0.012 min

Lab File: BF139343.D

Acq: 12 Sep 2024 17:17

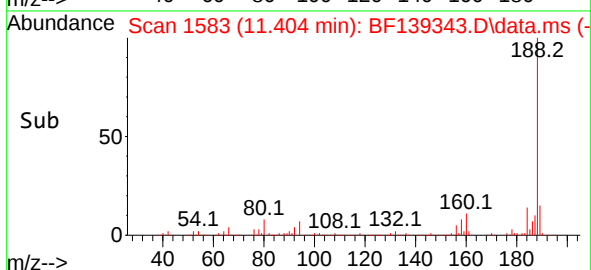
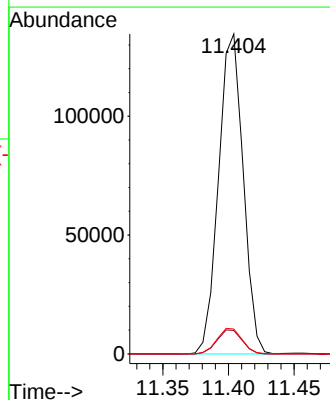
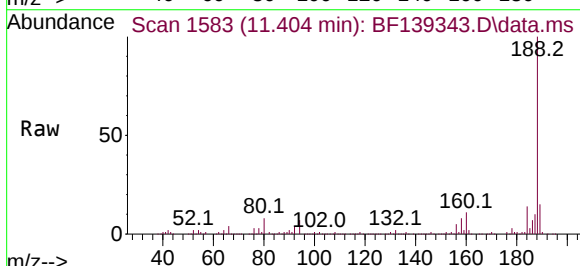
Tgt Ion:188 Resp: 176003

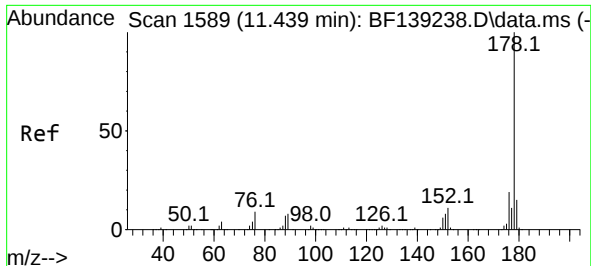
Ion Ratio Lower Upper

188 100

94 7.4 7.0 10.4

80 7.8 7.3 10.9

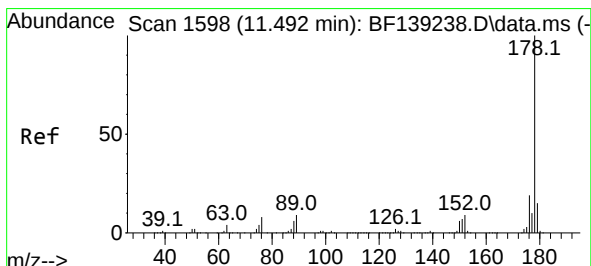
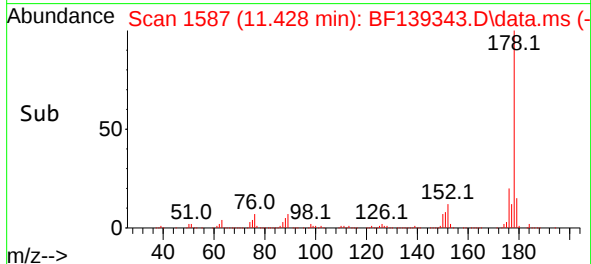
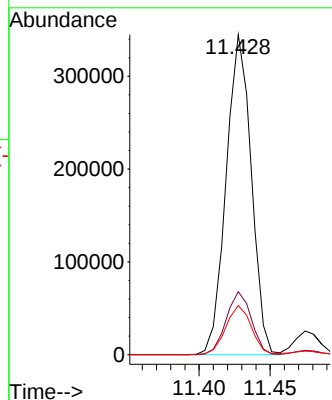
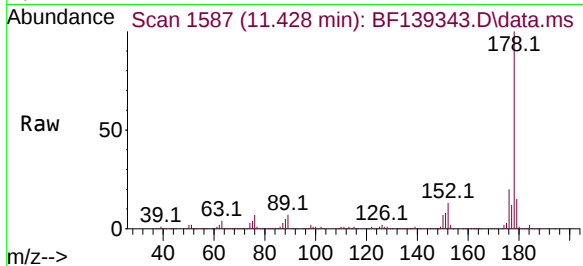




#71
Phenanthrene
Concen: 51.636 ng
RT: 11.428 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139343.D
Acq: 12 Sep 2024 17:17

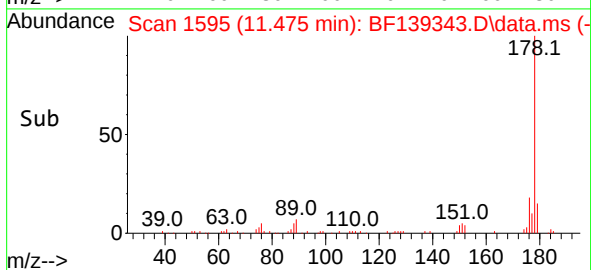
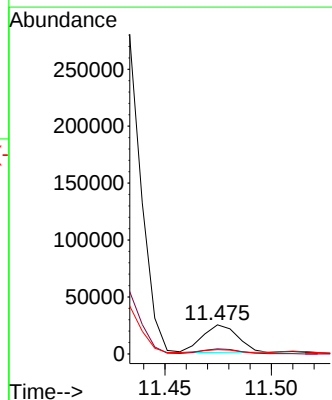
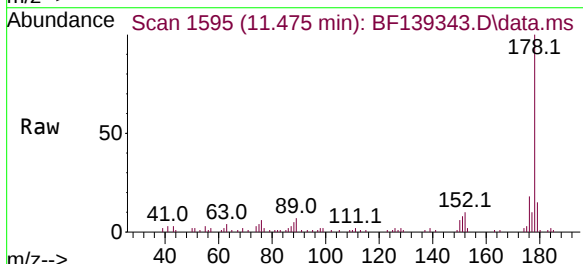
Instrument :
BNA_F
ClientSampleId :
282-COMPOSITE-1DL

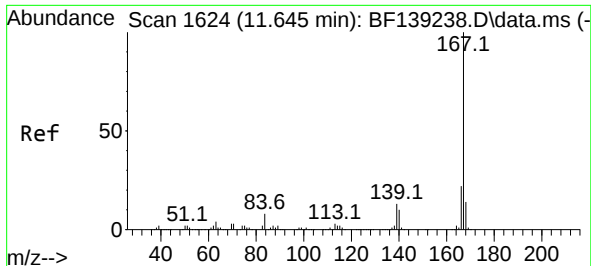
Tgt Ion:178 Resp: 424557
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.0
179 15.3 12.3 18.5



#72
Anthracene
Concen: 3.462 ng
RT: 11.475 min Scan# 1595
Delta R.T. -0.018 min
Lab File: BF139343.D
Acq: 12 Sep 2024 17:17

Tgt Ion:178 Resp: 27805
Ion Ratio Lower Upper
178 100
176 17.7 15.0 22.4
179 14.8 12.3 18.5

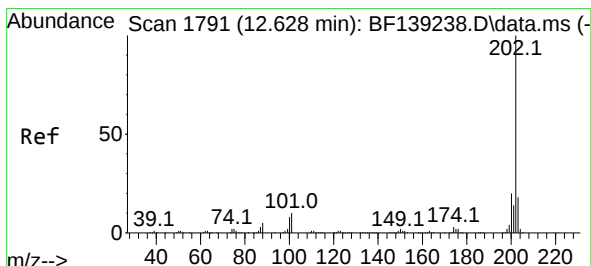
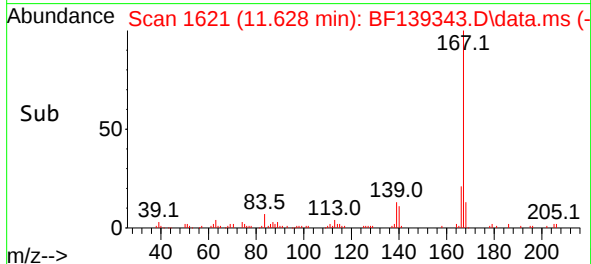
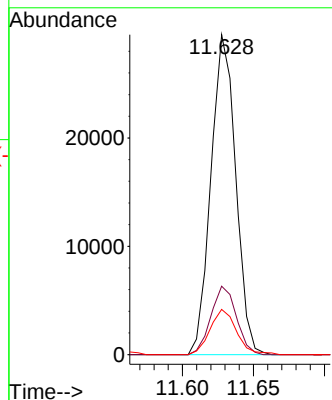
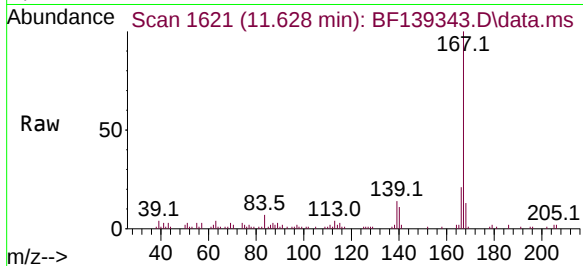




#73
 Carbazole
 Concen: 4.777 ng
 RT: 11.628 min Scan# 1621
 Delta R.T. -0.018 min
 Lab File: BF139343.D
 Acq: 12 Sep 2024 17:17

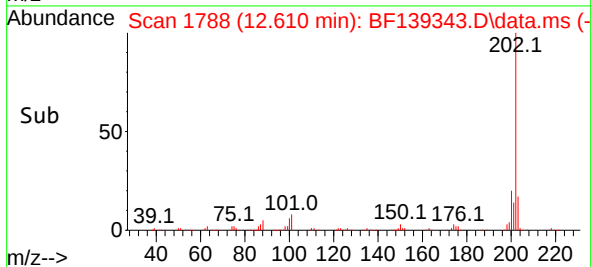
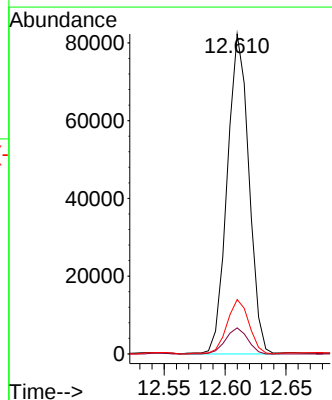
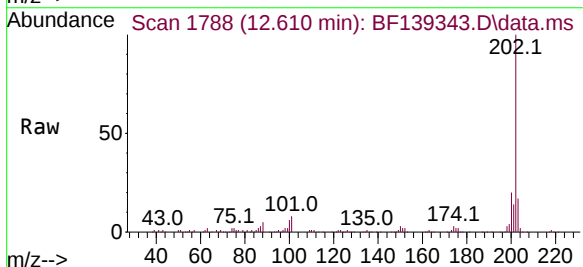
Instrument :
 BNA_F
 ClientSampleId :
 282-COMPOSITE-1DL

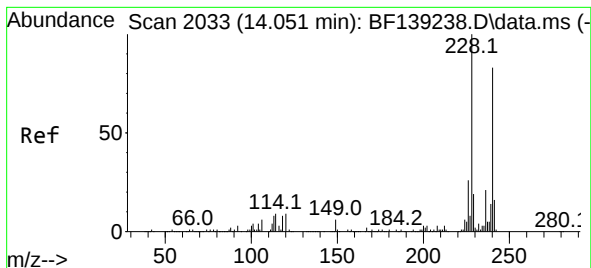
Tgt Ion:167	Resp:	35860
Ion Ratio	Lower	Upper
167	100	
166	21.4	17.2 25.8
139	14.1	10.2 15.4



#75
 Fluoranthene
 Concen: 12.369 ng
 RT: 12.610 min Scan# 1788
 Delta R.T. -0.018 min
 Lab File: BF139343.D
 Acq: 12 Sep 2024 17:17

Tgt Ion:202	Resp:	101956
Ion Ratio	Lower	Upper
202	100	
101	8.1	0.0 29.9
203	17.0	0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2033

Delta R.T. -0.018 min

Lab File: BF139343.D

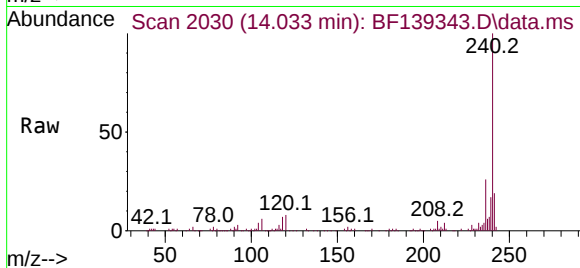
Acq: 12 Sep 2024 17:17

Instrument :

BNA_F

ClientSampleId :

282-COMPOSITE-1DL



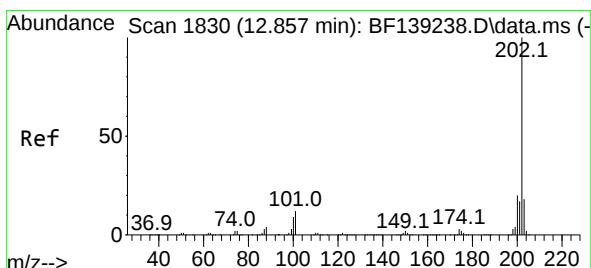
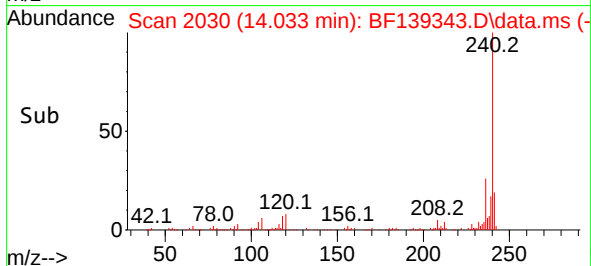
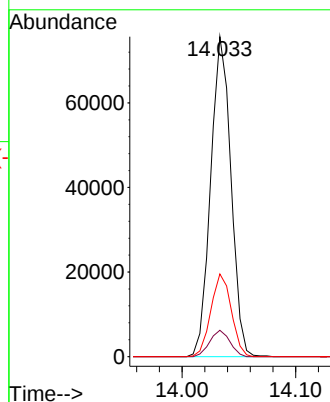
Tgt Ion:240 Resp: 93961

Ion Ratio Lower Upper

240 100

120 8.3 8.6 12.8#

236 25.8 20.7 31.1



#78

Pyrene

Concen: 5.611 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.018 min

Lab File: BF139343.D

Acq: 12 Sep 2024 17:17

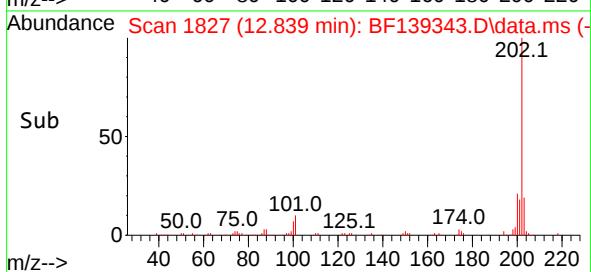
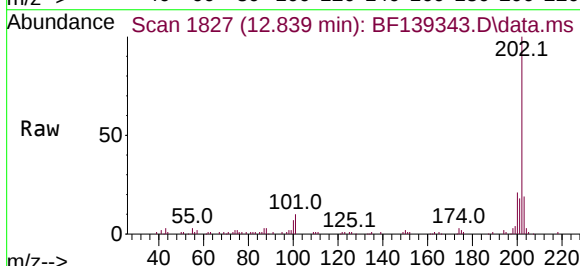
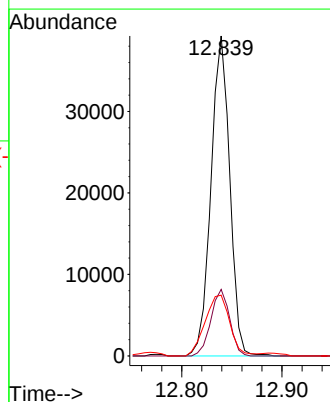
Tgt Ion:202 Resp: 50928

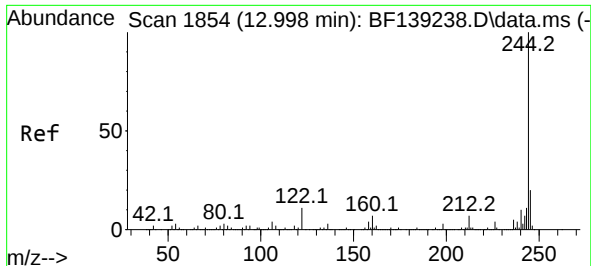
Ion Ratio Lower Upper

202 100

200 20.8 15.8 23.8

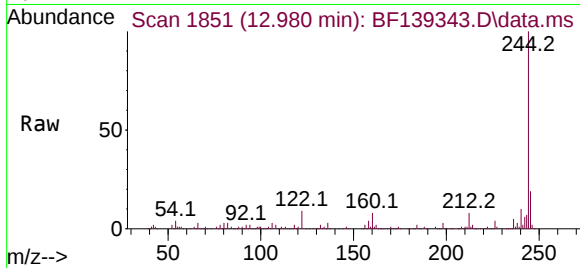
203 19.0 14.1 21.1



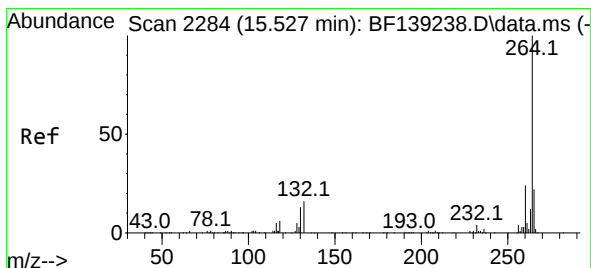
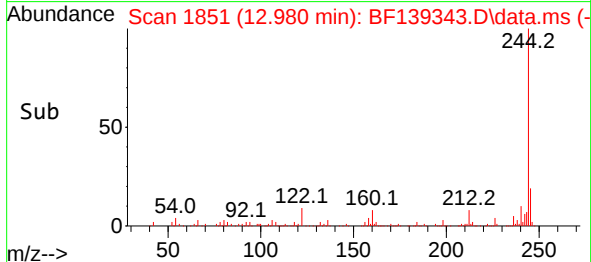
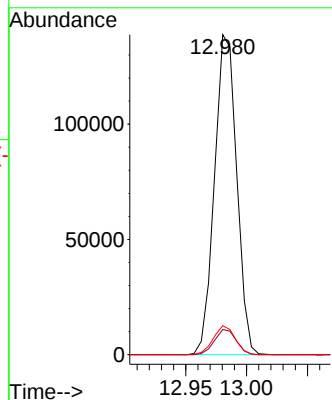


#79
 Terphenyl-d14
 Concen: 30.266 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.018 min
 Lab File: BF139343.D
 Acq: 12 Sep 2024 17:17

Instrument :
 BNA_F
 ClientSampleId :
 282-COMPOSITE-1DL



Tgt Ion:244 Resp: 176135
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.9 8.9
 122 9.0 8.7 13.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.504 min Scan# 2280
 Delta R.T. -0.024 min
 Lab File: BF139343.D
 Acq: 12 Sep 2024 17:17

Tgt Ion:264 Resp: 73005
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.8 28.2
 265 21.0 17.3 25.9

