

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120424\
 Data File : BF140738.D
 Acq On : 04 Dec 2024 20:23
 Operator : RC/JU
 Sample : P5072-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-737

Quant Time: Dec 05 00:07:12 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

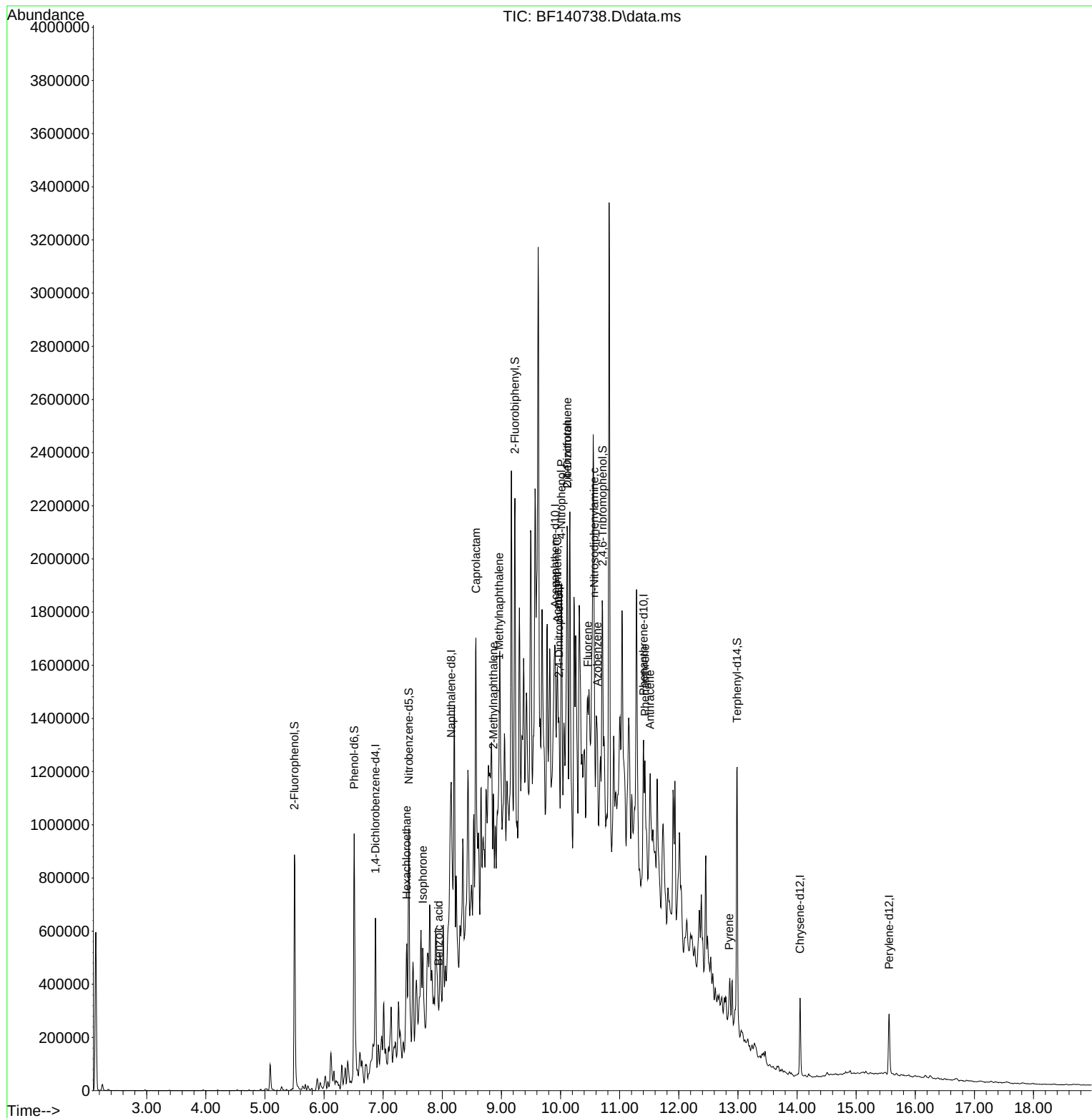
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	71540	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	256692	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	140258	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	241314	20.000	ng	0.00
76) Chrysene-d12	14.051	240	141562	20.000	ng	0.00
86) Perylene-d12	15.557	264	142101	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	368479	87.881	ng	0.00
7) Phenol-d6	6.510	99	480569	86.696	ng	0.00
23) Nitrobenzene-d5	7.434	82	298590	59.499	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	124713	83.138	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	566914	60.223	ng	0.00
79) Terphenyl-d14	12.986	244	497908	54.768	ng	0.00
Target Compounds						
18) Hexachloroethane	7.398	117	18581	9.694	ng	# 1
25) Isophorone	7.669	82	19918	2.380	ng	# 1
32) Benzoic acid	7.940	122	3445	8.416	ng	# 19
35) Caprolactam	8.569	113	42088	37.321	ng	# 28
37) 2-Methylnaphthalene	8.863	142	156938	18.688	ng	99
38) 1-Methylnaphthalene	8.963	142	139920	16.998	ng	97
52) Acenaphthene	9.945	154	37454	4.917	ng	# 49
54) 2,4-Dinitrophenol	9.975	184	403	8.158	ng	# 1
55) Dibenzofuran	10.116	168	35014	3.013	ng	# 1
56) 4-Nitrophenol	10.016	139	28626	20.485	ng	# 62
57) 2,4-Dinitrotoluene	10.116	165	18014	6.470	ng	# 60
58) Fluorene	10.463	166	64751	6.943	ng	# 74
63) Azobenzene	10.622	77	31413	3.534	ng	# 1
66) n-Nitrosodiphenylamine	10.569	169	225186	31.555	ng	# 49
71) Phenanthrene	11.428	178	250141	21.564	ng	# 95
72) Anthracene	11.516	178	50124	4.417	ng	# 1
78) Pyrene	12.851	202	40139	3.067	ng	# 82

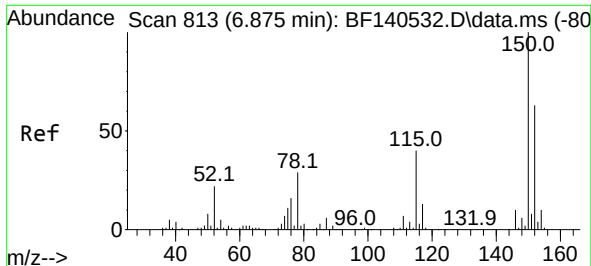
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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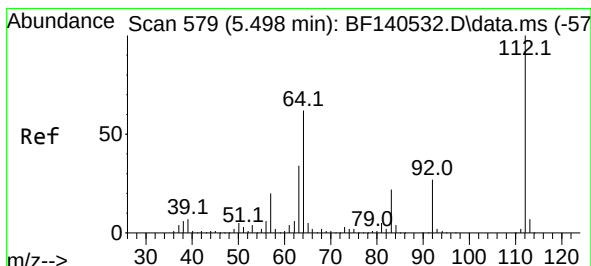
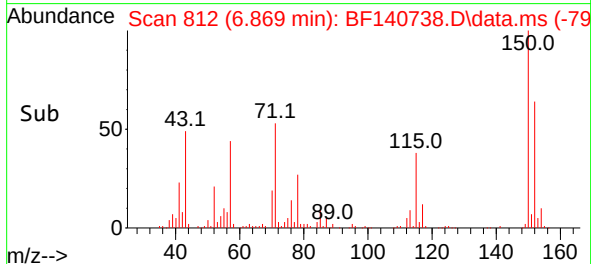
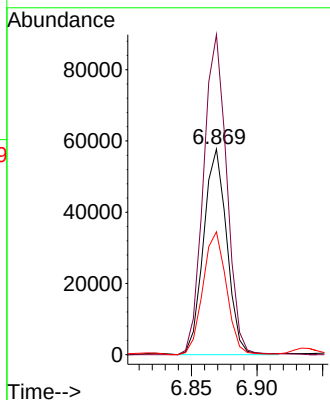
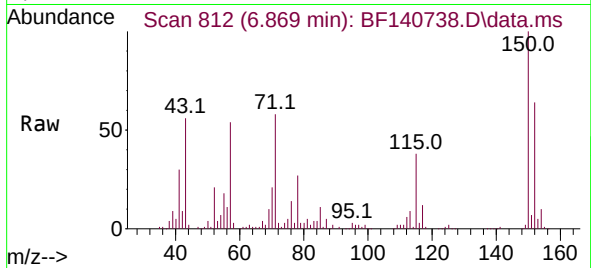




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140738.D
Acq: 04 Dec 2024 20:23

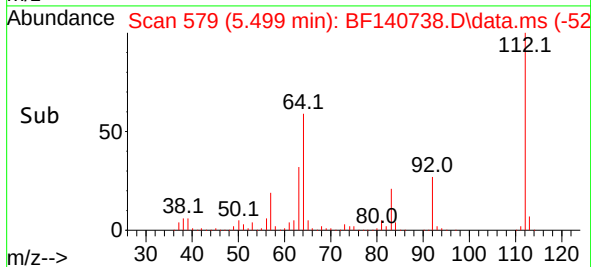
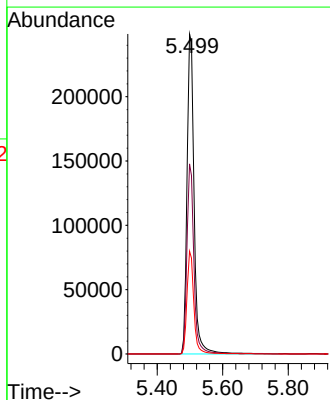
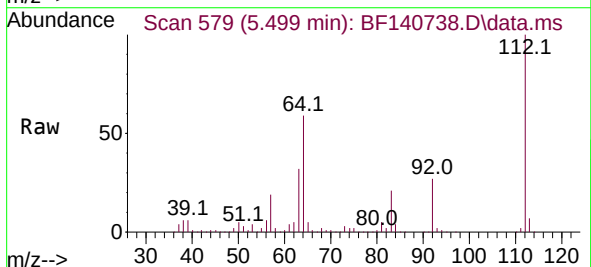
Instrument :
BNA_F
ClientSampleId :
MH-737

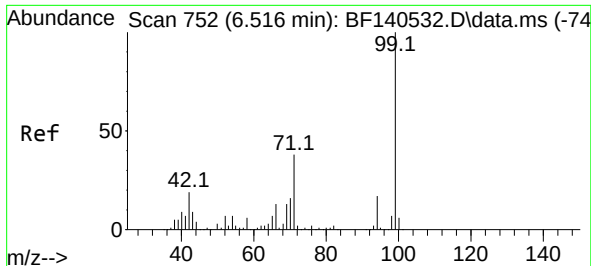
Tgt Ion:152 Resp: 71540
Ion Ratio Lower Upper
152 100
150 155.6 128.5 192.7
115 59.7 50.2 75.4



#5
2-Fluorophenol
Concen: 87.881 ng
RT: 5.499 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF140738.D
Acq: 04 Dec 2024 20:23

Tgt Ion:112 Resp: 368479
Ion Ratio Lower Upper
112 100
64 59.4 49.2 73.8
63 32.1 27.0 40.4





#7

Phenol-d6

Concen: 86.696 ng

RT: 6.510 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF140738.D

Acq: 04 Dec 2024 20:23

Instrument :

BNA_F

ClientSampleId :

MH-737

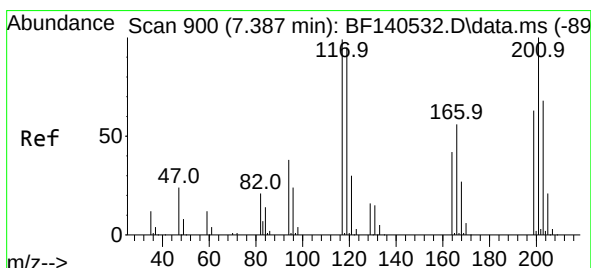
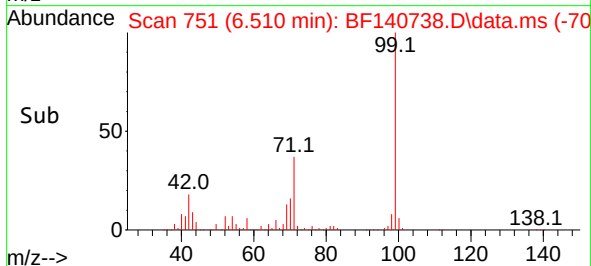
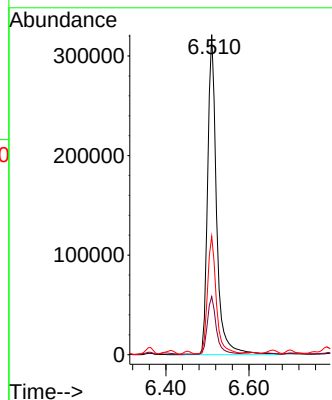
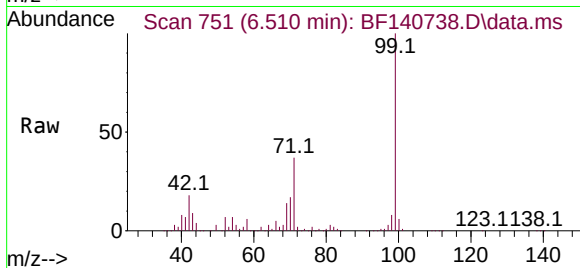
Tgt Ion: 99 Resp: 480569

Ion Ratio Lower Upper

99 100

42 18.2 15.4 23.0

71 37.0 30.6 46.0



#18

Hexachloroethane

Concen: 9.694 ng

RT: 7.398 min Scan# 902

Delta R.T. 0.012 min

Lab File: BF140738.D

Acq: 04 Dec 2024 20:23

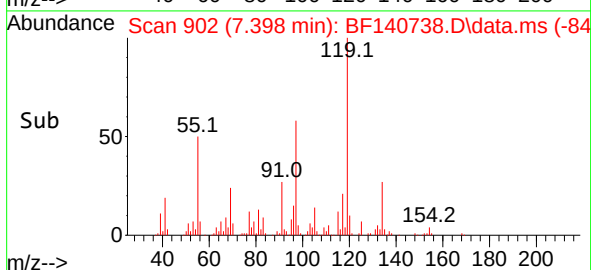
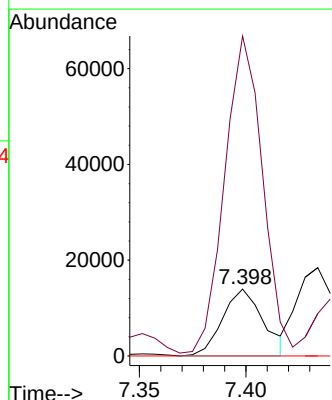
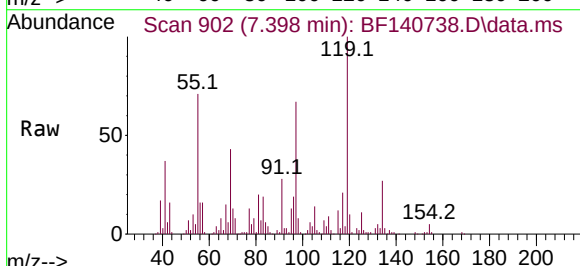
Tgt Ion: 117 Resp: 18581

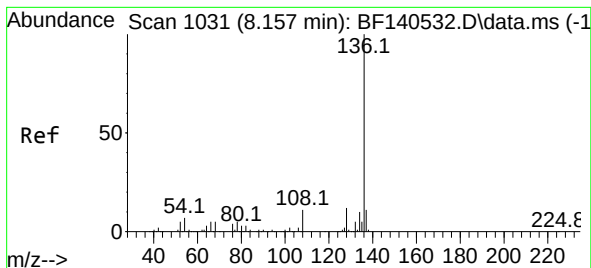
Ion Ratio Lower Upper

117 100

119 478.4 77.1 115.7#

201 0.0 81.1 121.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140738.D

Acq: 04 Dec 2024 20:23

Instrument :

BNA_F

ClientSampleId :

MH-737

Tgt Ion:136 Resp: 256692

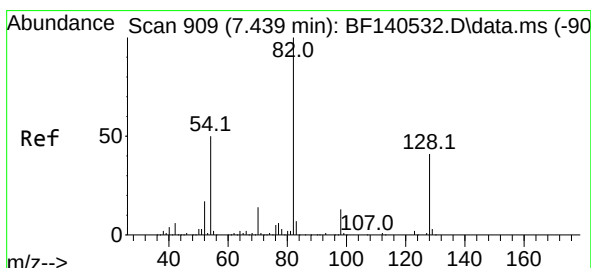
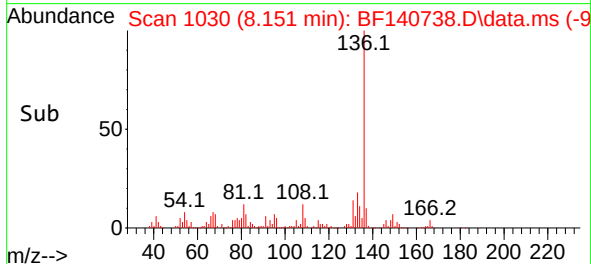
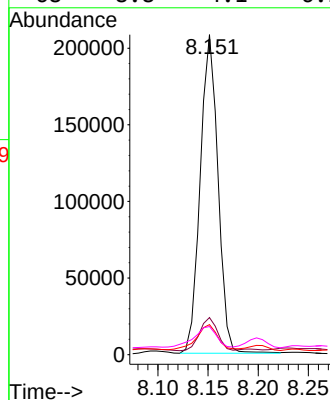
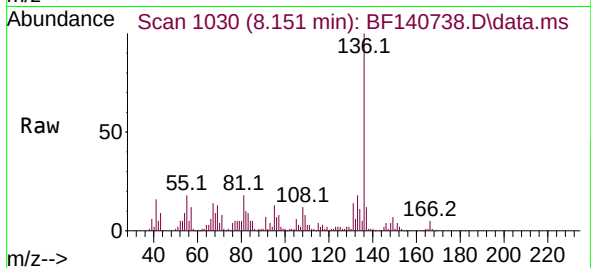
Ion Ratio Lower Upper

136 100

137 11.6 8.6 13.0

54 9.4 5.8 8.8#

68 8.8 4.1 6.1#



#23

Nitrobenzene-d5

Concen: 59.499 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.006 min

Lab File: BF140738.D

Acq: 04 Dec 2024 20:23

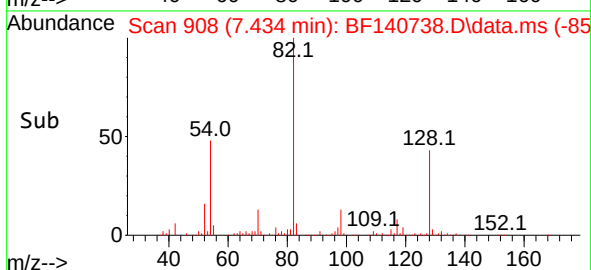
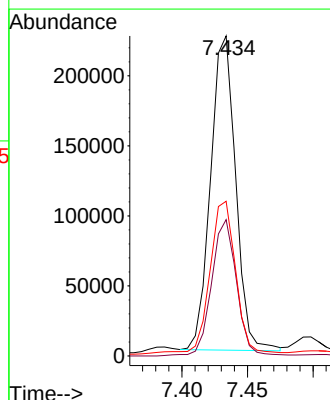
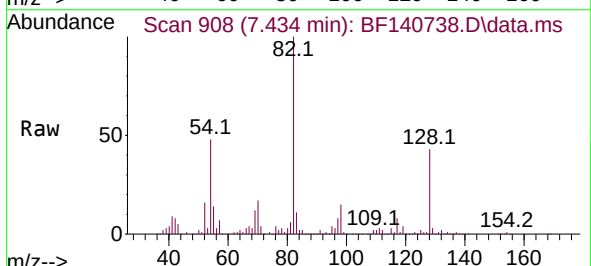
Tgt Ion: 82 Resp: 298590

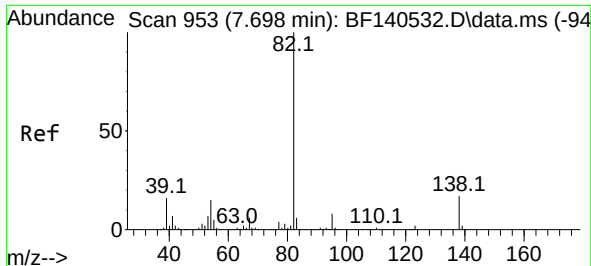
Ion Ratio Lower Upper

82 100

128 42.6 33.0 49.4

54 48.4 39.5 59.3

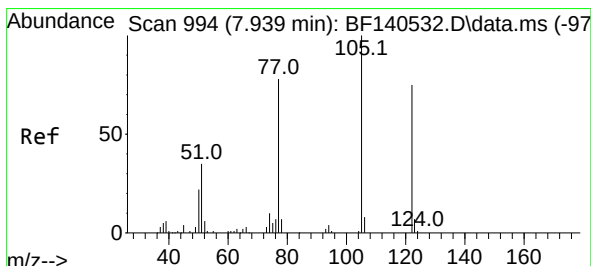
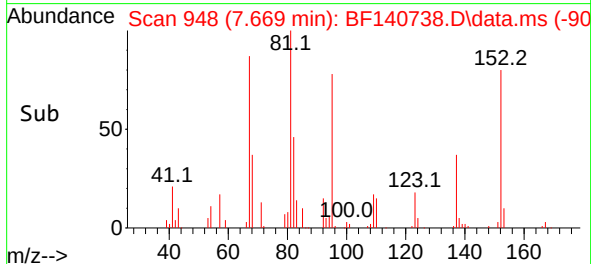
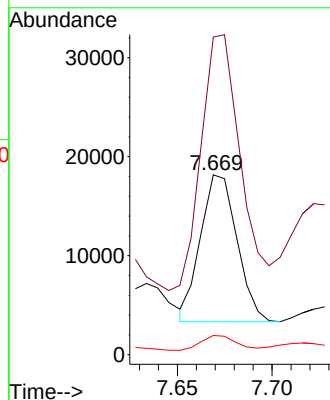
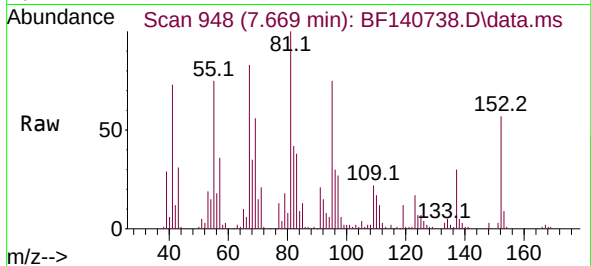




#25
Isophorone
Concen: 2.380 ng
RT: 7.669 min Scan# 94
Delta R.T. -0.029 min
Lab File: BF140738.D
Acq: 04 Dec 2024 20:23

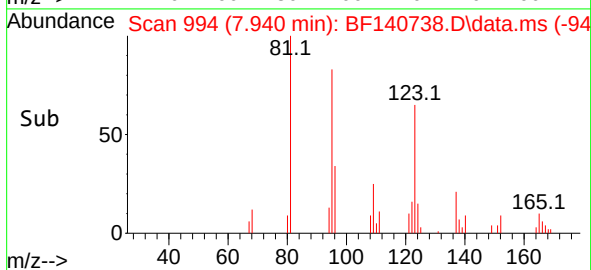
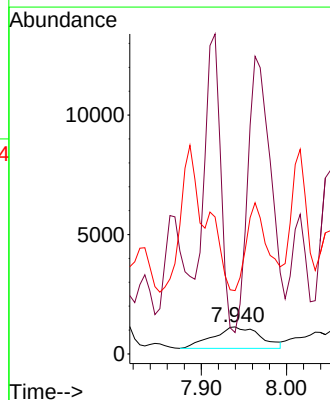
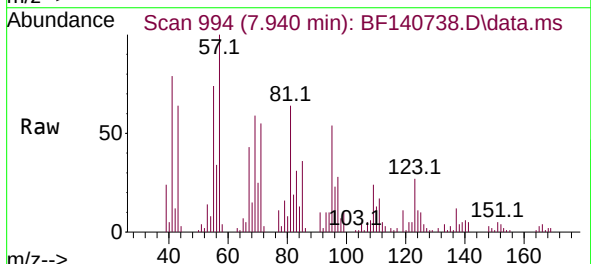
Instrument :
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ClientSampleId :
MH-737

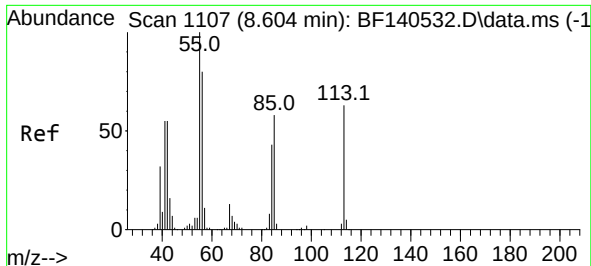
Tgt Ion: 82 Resp: 19918
Ion Ratio Lower Upper
82 100
95 176.6 6.4 9.6#
138 10.6 13.8 20.6#



#32
Benzoic acid
Concen: 8.416 ng
RT: 7.940 min Scan# 994
Delta R.T. 0.001 min
Lab File: BF140738.D
Acq: 04 Dec 2024 20:23

Tgt Ion:122 Resp: 3445
Ion Ratio Lower Upper
122 100
105 79.5 109.3 149.3#
77 234.2 82.3 122.3#

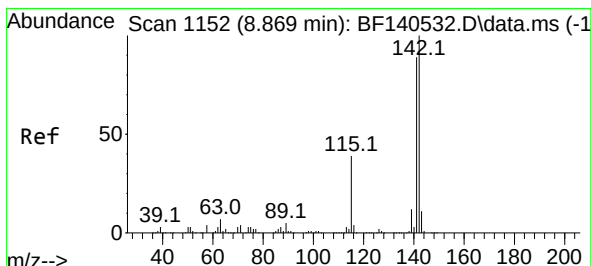
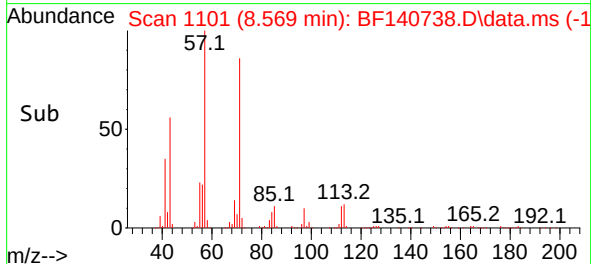
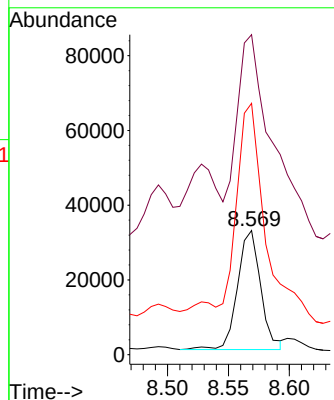
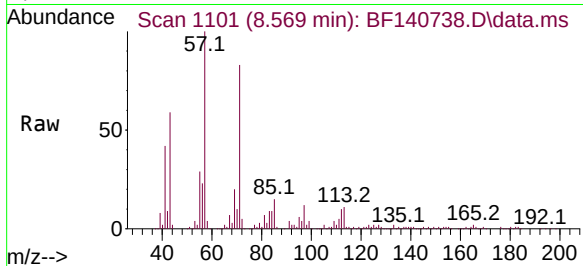




#35
 Caprolactam
 Concen: 37.321 ng
 RT: 8.569 min Scan# 1107
 Delta R.T. -0.035 min
 Lab File: BF140738.D
 Acq: 04 Dec 2024 20:23

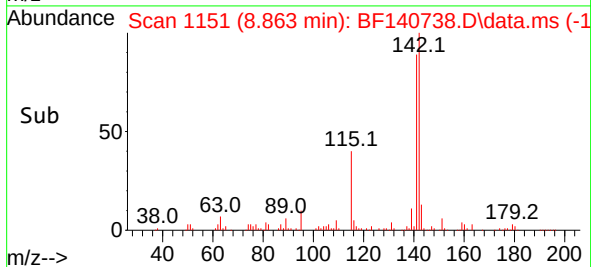
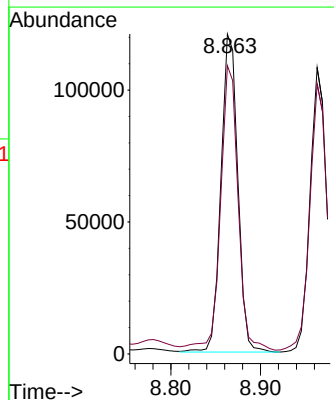
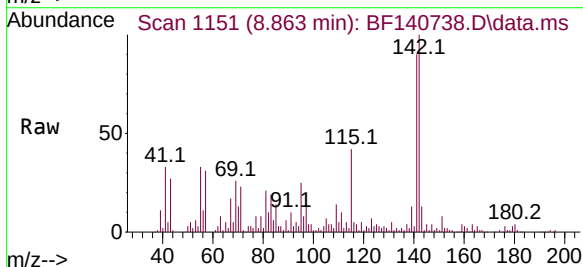
Instrument :
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 ClientSampleId :
 MH-737

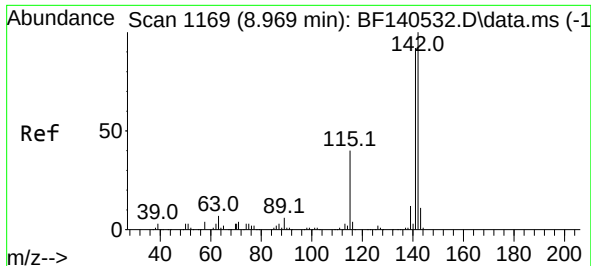
Tgt Ion:113 Resp: 42088
 Ion Ratio Lower Upper
 113 100
 55 257.8 137.7 177.7#
 56 202.5 106.4 146.4#



#37
 2-Methylnaphthalene
 Concen: 18.688 ng
 RT: 8.863 min Scan# 1151
 Delta R.T. -0.006 min
 Lab File: BF140738.D
 Acq: 04 Dec 2024 20:23

Tgt Ion:142 Resp: 156938
 Ion Ratio Lower Upper
 142 100
 141 90.1 71.0 106.6





#38

1-Methylnaphthalene

Concen: 16.998 ng

RT: 8.963 min Scan# 1169

Delta R.T. -0.006 min

Lab File: BF140738.D

Acq: 04 Dec 2024 20:23

Instrument :

BNA_F

ClientSampleId :

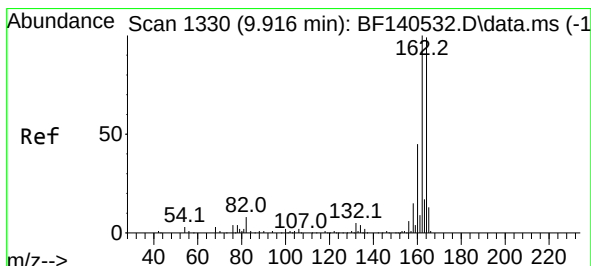
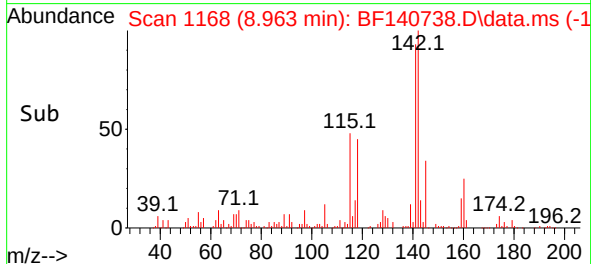
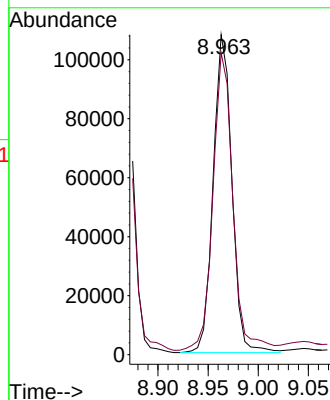
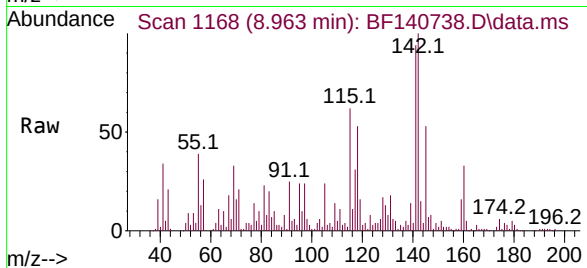
MH-737

Tgt Ion:142 Resp: 139920

Ion Ratio Lower Upper

142 100

141 94.3 73.3 109.9



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF140738.D

Acq: 04 Dec 2024 20:23

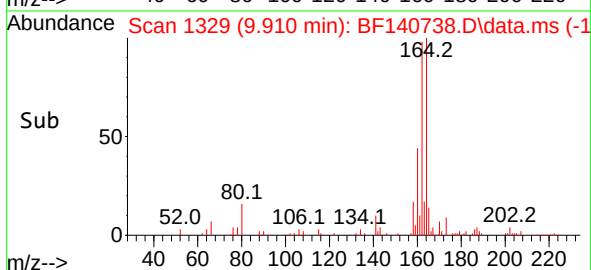
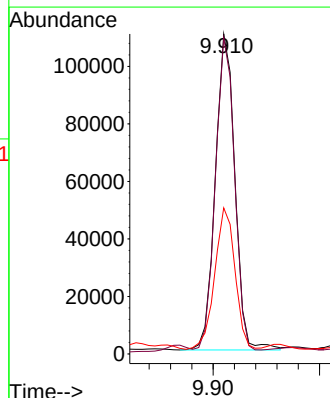
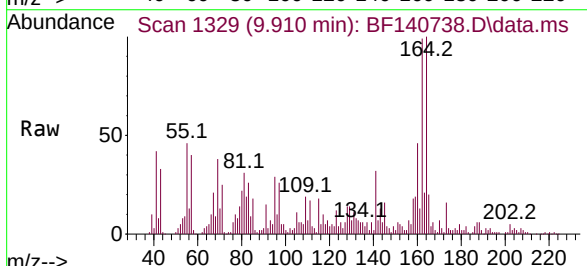
Tgt Ion:164 Resp: 140258

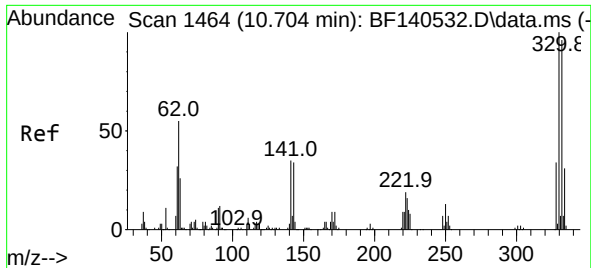
Ion Ratio Lower Upper

164 100

162 98.8 80.6 120.8

160 45.7 36.2 54.4

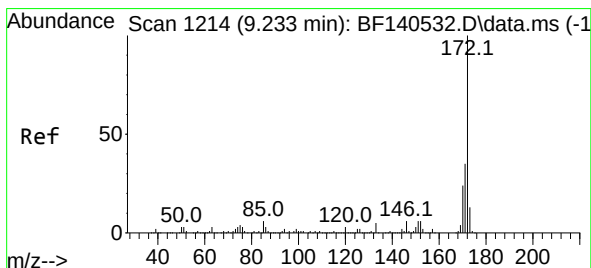
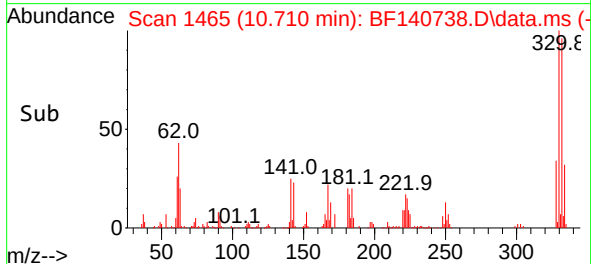
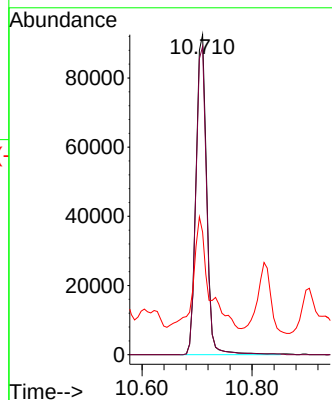
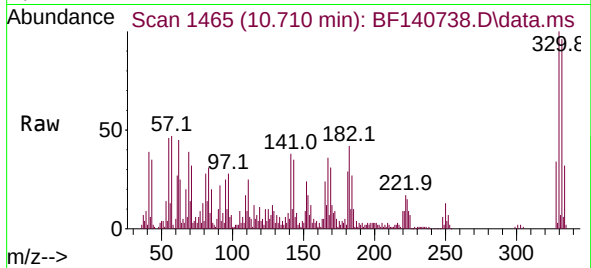




#42
2,4,6-Tribromophenol
Concen: 83.138 ng
RT: 10.710 min Scan# 1464
Delta R.T. 0.006 min
Lab File: BF140738.D
Acq: 04 Dec 2024 20:23

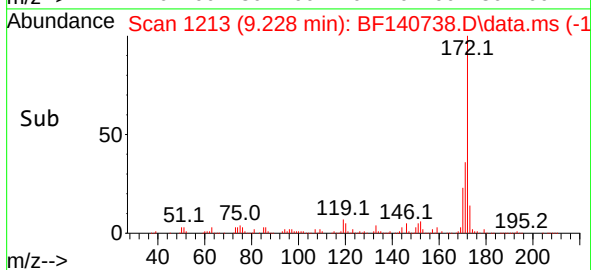
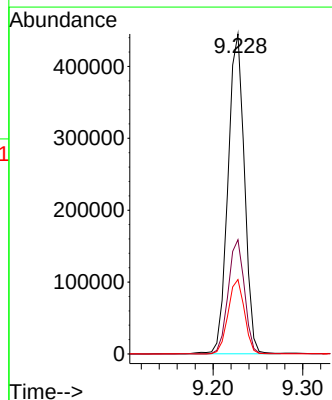
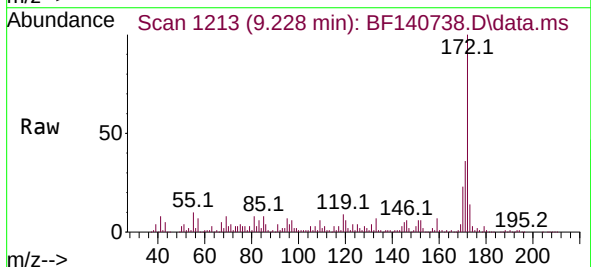
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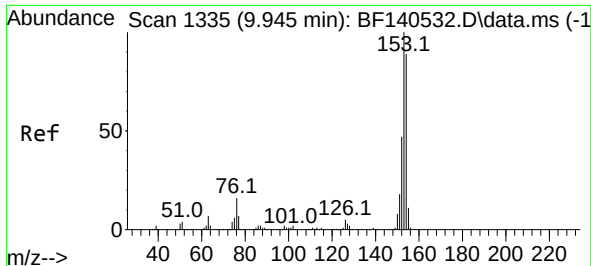
Tgt Ion:330 Resp: 124713
Ion Ratio Lower Upper
330 100
332 96.7 76.9 115.3
141 50.3 26.7 40.1#



#45
2-Fluorobiphenyl
Concen: 60.223 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140738.D
Acq: 04 Dec 2024 20:23

Tgt Ion:172 Resp: 566914
Ion Ratio Lower Upper
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171 35.7 28.4 42.6
170 23.2 19.0 28.6

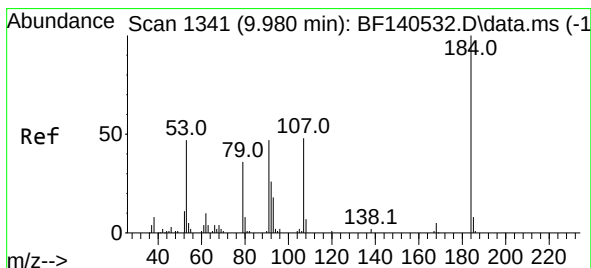
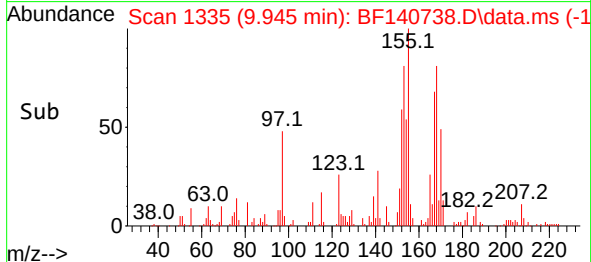
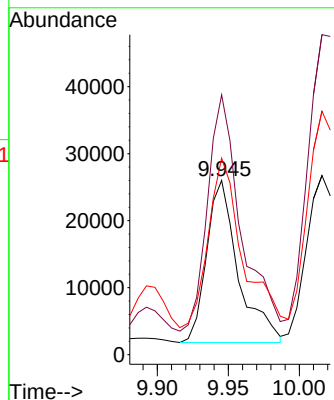
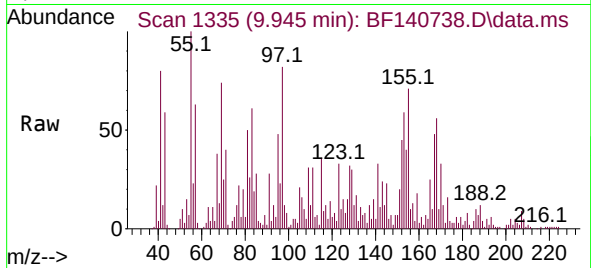




#52
Acenaphthene
Concen: 4.917 ng
RT: 9.945 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140738.D
Acq: 04 Dec 2024 20:23

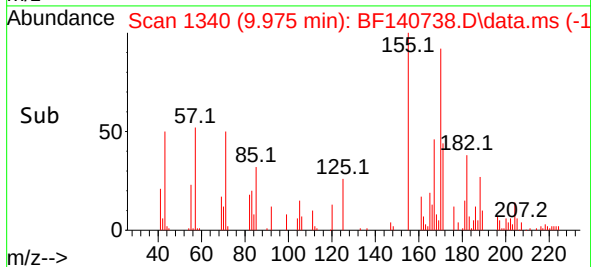
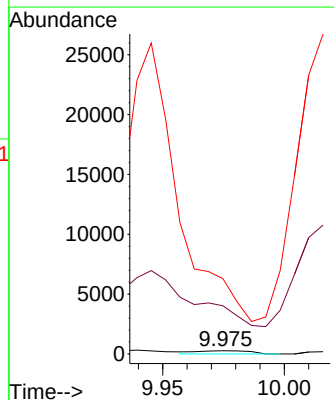
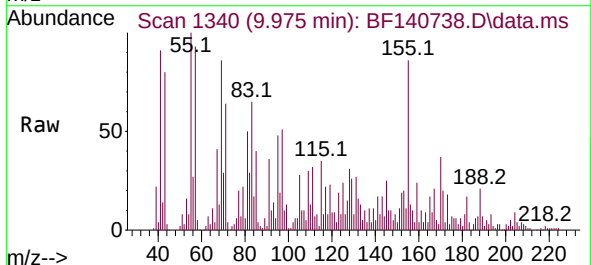
Instrument :
BNA_F
ClientSampleId :
MH-737

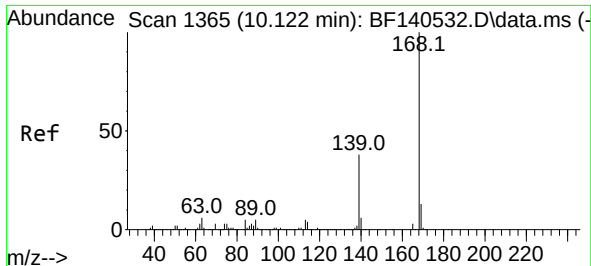
Tgt Ion:154 Resp: 37454
Ion Ratio Lower Upper
154 100
153 149.2 89.7 134.5#
152 112.8 42.5 63.7#



#54
2,4-Dinitrophenol
Concen: 8.158 ng
RT: 9.975 min Scan# 1340
Delta R.T. -0.005 min
Lab File: BF140738.D
Acq: 04 Dec 2024 20:23

Tgt Ion:184 Resp: 403
Ion Ratio Lower Upper
184 100
63 1479.4 54.1 81.1#
154 2316.5 57.4 86.0#

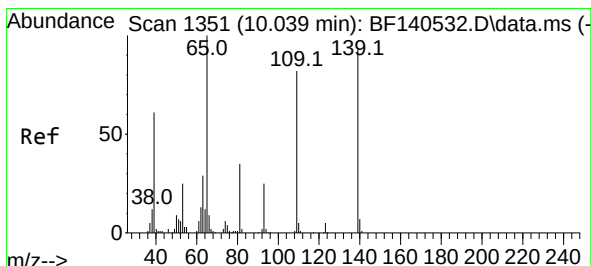
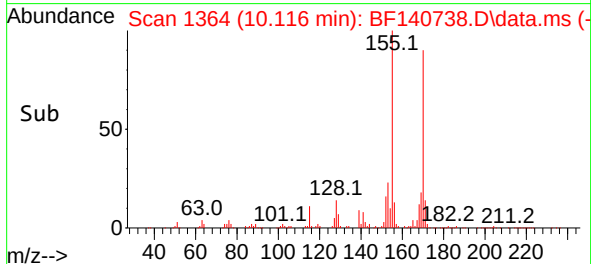
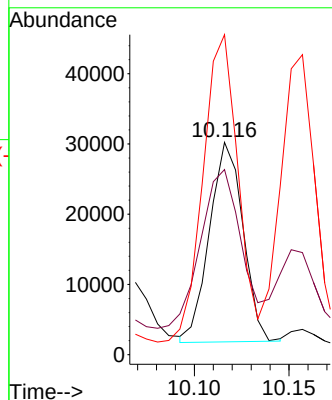
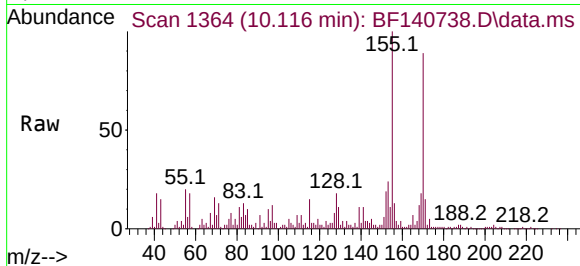




#55
Dibenzenofuran
Concen: 3.013 ng
RT: 10.116 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140738.D
Acq: 04 Dec 2024 20:23

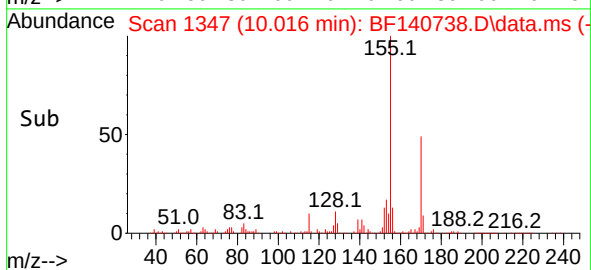
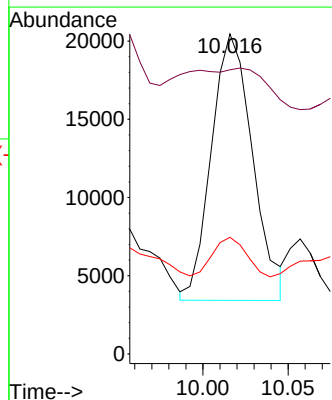
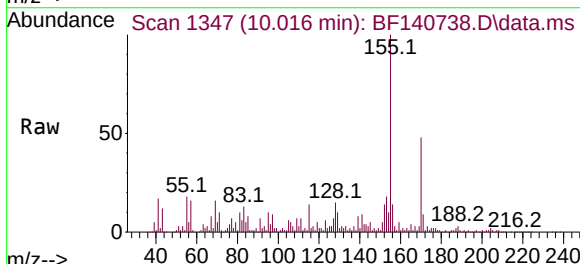
Instrument :
BNA_F
ClientSampleId :
MH-737

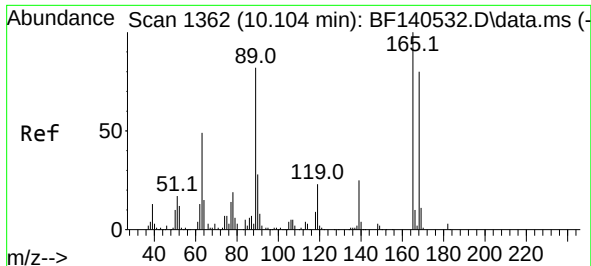
Tgt Ion:168 Resp: 35014
Ion Ratio Lower Upper
168 100
139 87.2 31.3 46.9#
169 150.7 10.5 15.7#



#56
4-Nitrophenol
Concen: 20.485 ng
RT: 10.016 min Scan# 1347
Delta R.T. -0.023 min
Lab File: BF140738.D
Acq: 04 Dec 2024 20:23

Tgt Ion:139 Resp: 28626
Ion Ratio Lower Upper
139 100
109 88.8 68.4 108.4
65 36.5 88.6 128.6#

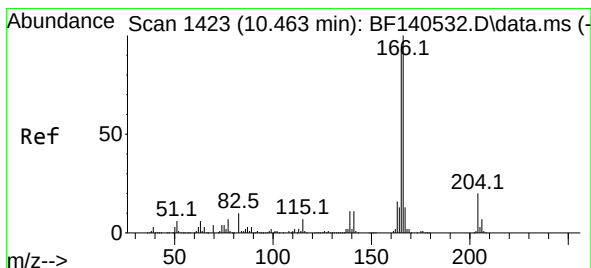
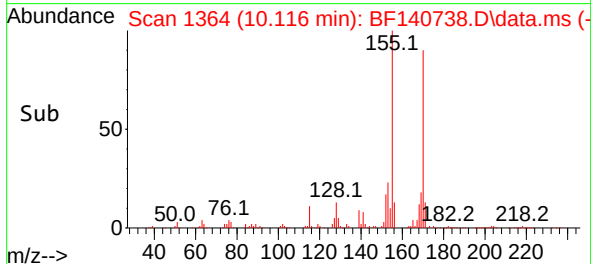
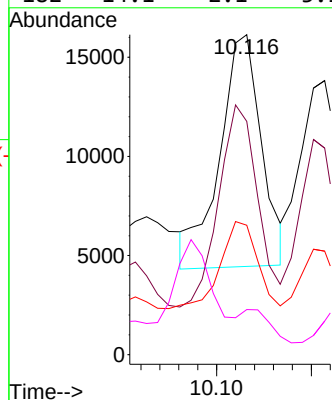
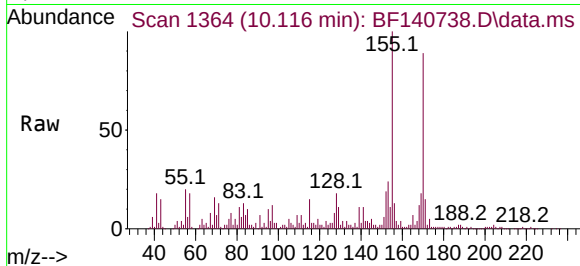




#57
2,4-Dinitrotoluene
Concen: 6.470 ng
RT: 10.116 min Scan# 1364
Delta R.T. 0.012 min
Lab File: BF140738.D
Acq: 04 Dec 2024 20:23

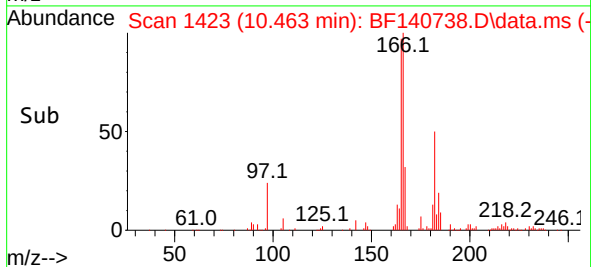
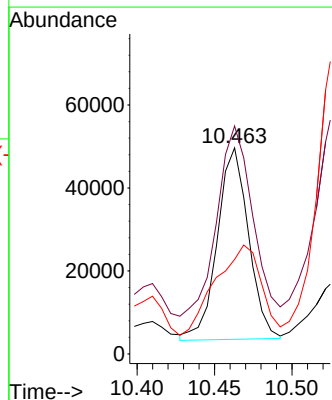
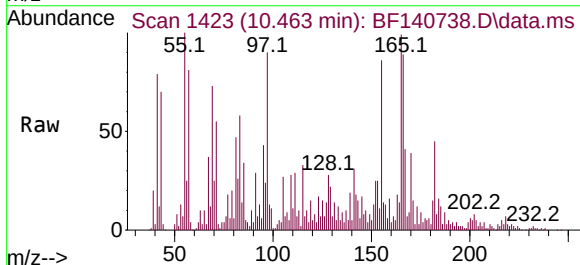
Instrument :
BNA_F
ClientSampleId :
MH-737

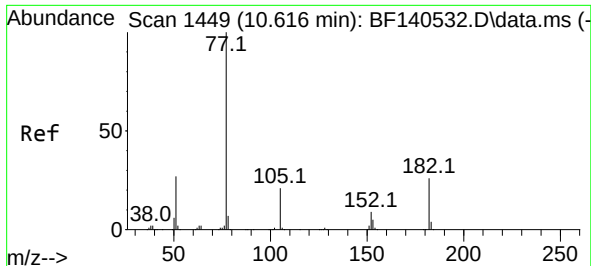
Tgt Ion:165 Resp: 18014
Ion Ratio Lower Upper
165 100
63 72.9 41.7 62.5#
89 40.4 65.8 98.8#
182 14.1 2.1 3.1#



#58
Fluorene
Concen: 6.943 ng
RT: 10.463 min Scan# 1423
Delta R.T. 0.000 min
Lab File: BF140738.D
Acq: 04 Dec 2024 20:23

Tgt Ion:166 Resp: 64751
Ion Ratio Lower Upper
166 100
165 110.6 74.6 111.8
167 45.9 10.6 16.0#

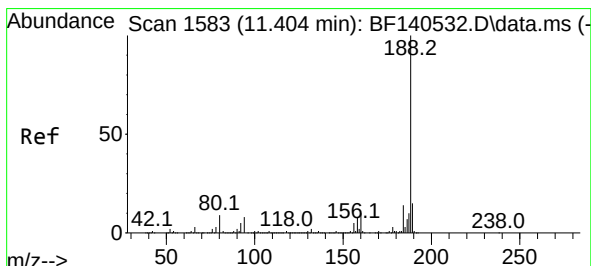
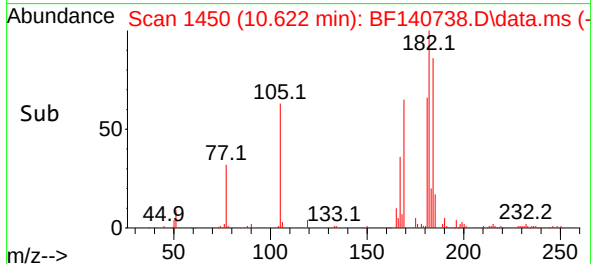
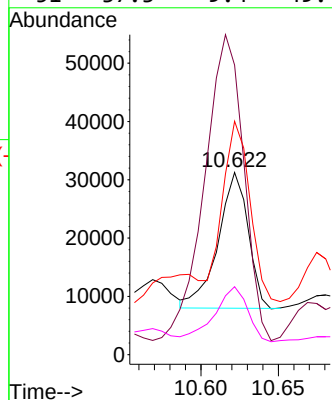
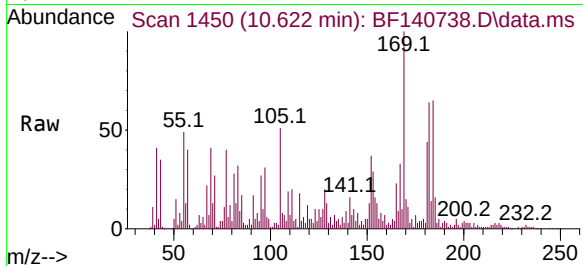




#63
Azobenzene
Concen: 3.534 ng
RT: 10.622 min Scan# 1449
Delta R.T. 0.006 min
Lab File: BF140738.D
Acq: 04 Dec 2024 20:23

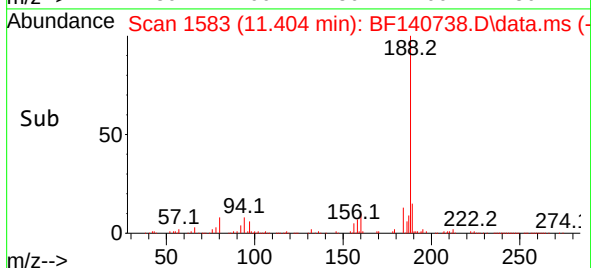
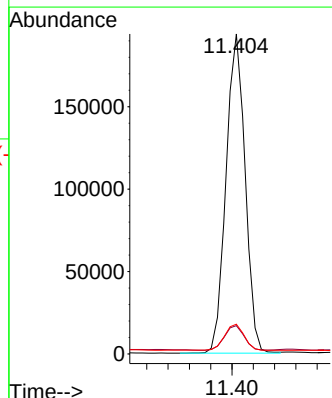
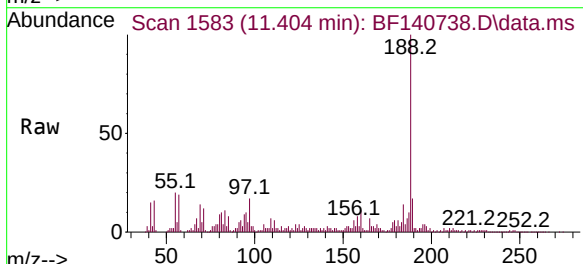
Instrument :
BNA_F
ClientSampleId :
MH-737

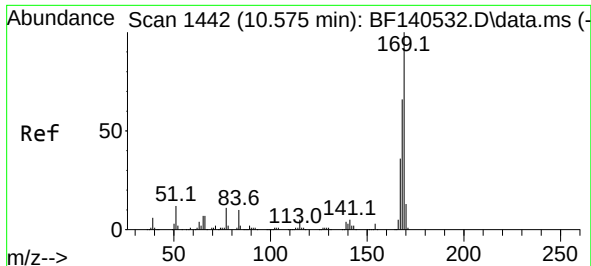
Tgt Ion: 77	Resp: 31413
Ion Ratio	Lower Upper
77 100	
182 158.9	5.3 45.3#
105 128.1	0.3 40.3#
51 37.3	9.4 49.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF140738.D
Acq: 04 Dec 2024 20:23

Tgt Ion: 188	Resp: 241314
Ion Ratio	Lower Upper
188 100	
94 8.9	6.4 9.6
80 9.3	6.9 10.3

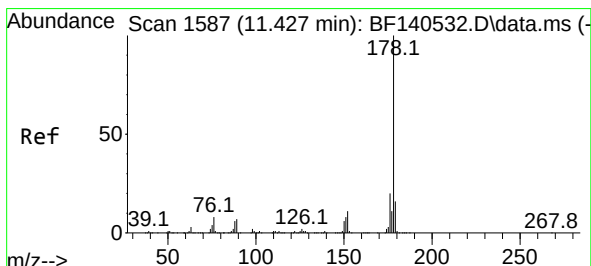
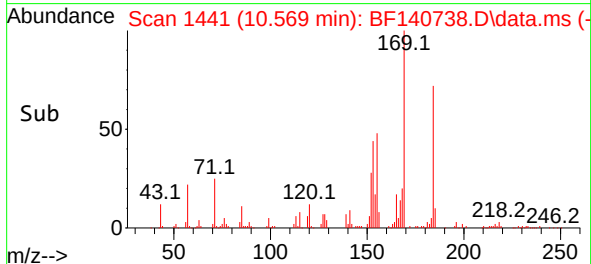
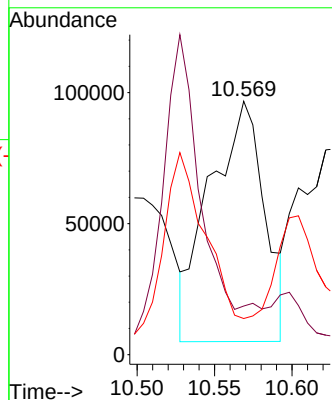
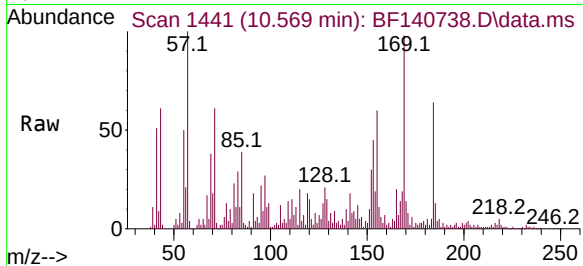




#66
n-Nitrosodiphenylamine
Concen: 31.555 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF140738.D
Acq: 04 Dec 2024 20:23

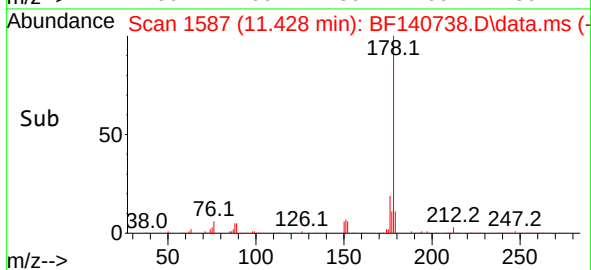
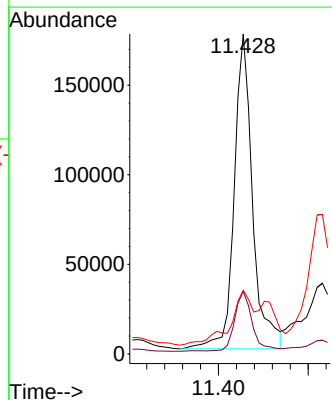
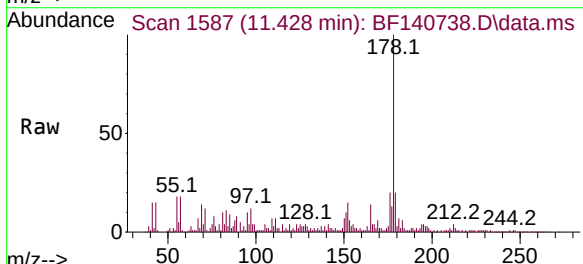
Instrument :
BNA_F
ClientSampleId :
MH-737

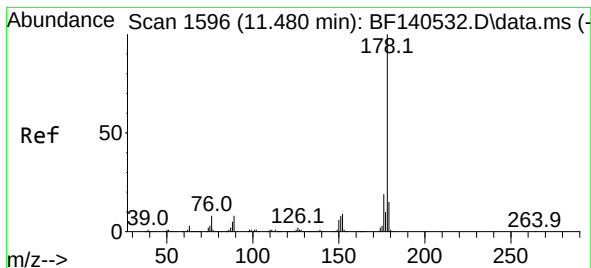
Tgt Ion:169 Resp: 225186
Ion Ratio Lower Upper
169 100
168 19.2 53.2 79.8#
167 14.3 29.0 43.6#



#71
Phenanthrene
Concen: 21.564 ng
RT: 11.428 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF140738.D
Acq: 04 Dec 2024 20:23

Tgt Ion:178 Resp: 250141
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.6
179 19.9 12.4 18.6#





#72

Anthracene

Concen: 4.417 ng

RT: 11.516 min Scan# 1

Delta R.T. 0.035 min

Lab File: BF140738.D

Acq: 04 Dec 2024 20:23

Instrument :

BNA_F

ClientSampleId :

MH-737

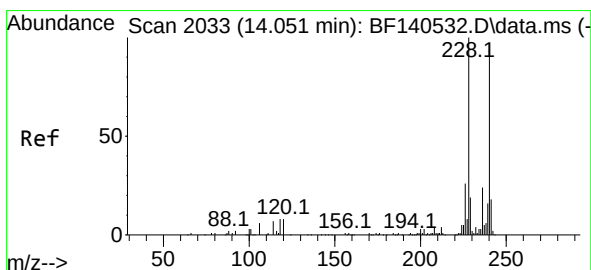
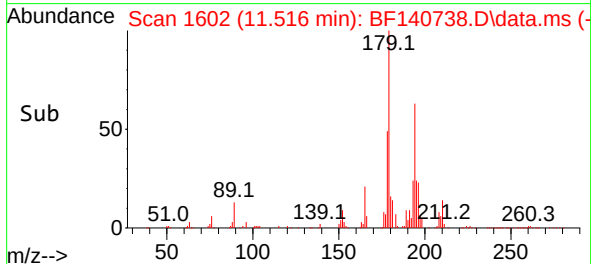
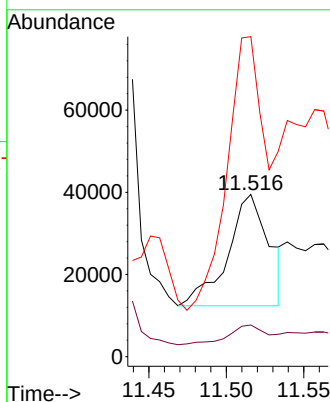
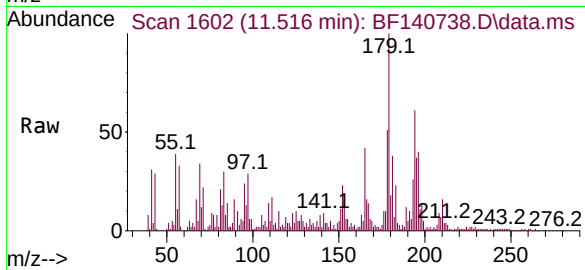
Tgt Ion:178 Resp: 50124

Ion Ratio Lower Upper

178 100

176 19.5 15.0 22.4

179 197.3 12.2 18.4#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF140738.D

Acq: 04 Dec 2024 20:23

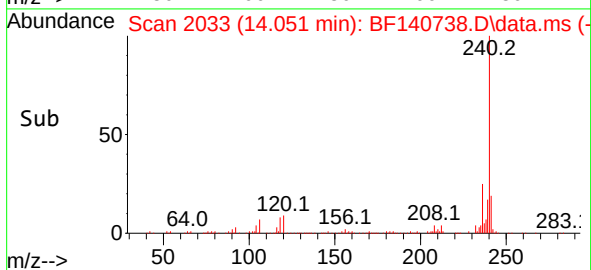
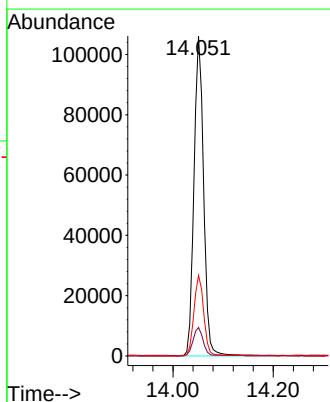
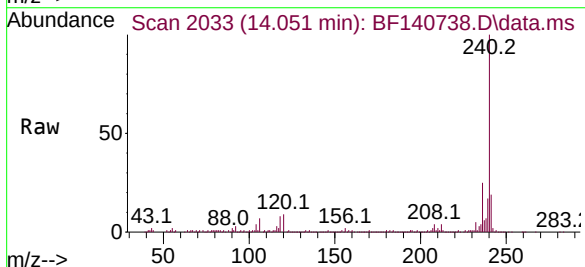
Tgt Ion:240 Resp: 141562

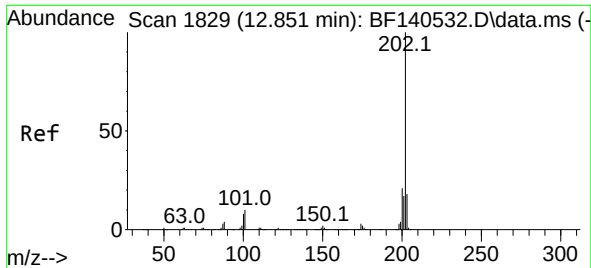
Ion Ratio Lower Upper

240 100

120 8.9 7.3 10.9

236 25.2 20.6 31.0

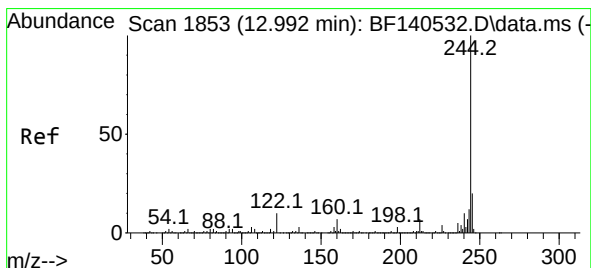
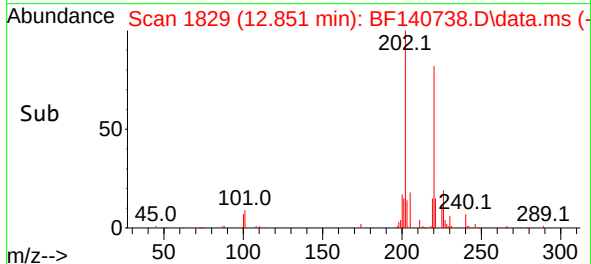
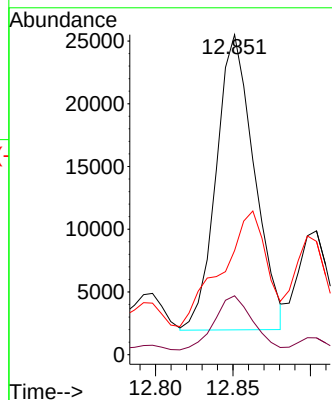
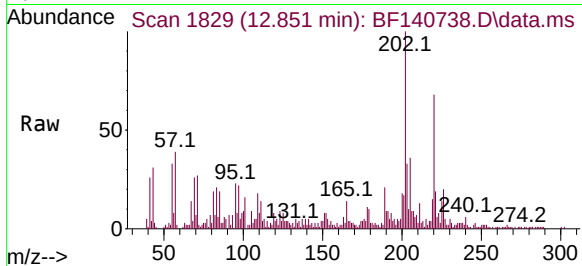




#78
 Pyrene
 Concen: 3.067 ng
 RT: 12.851 min Scan# 1829
 Delta R.T. 0.000 min
 Lab File: BF140738.D
 Acq: 04 Dec 2024 20:23

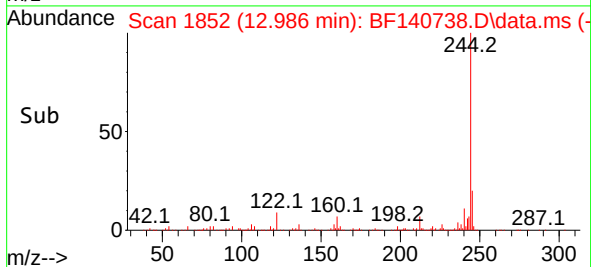
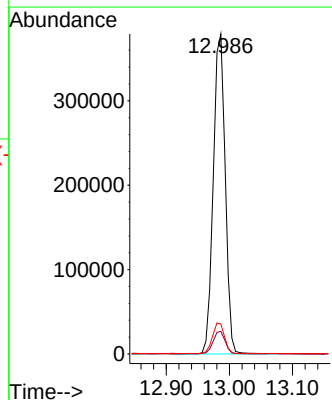
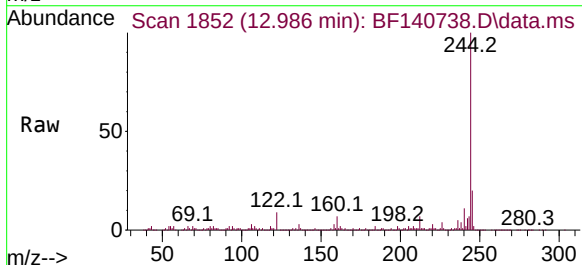
Instrument :
 BNA_F
 ClientSampleId :
 MH-737

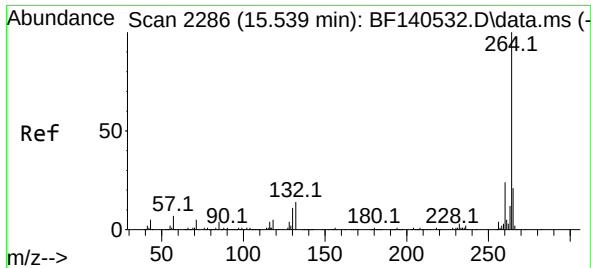
Tgt Ion:202	Resp:	40139
Ion Ratio	Lower	Upper
202	100	
200	18.4	16.5 24.7
203	32.6	14.2 21.4#



#79
 Terphenyl-d14
 Concen: 54.768 ng
 RT: 12.986 min Scan# 1852
 Delta R.T. -0.006 min
 Lab File: BF140738.D
 Acq: 04 Dec 2024 20:23

Tgt Ion:244	Resp:	497908
Ion Ratio	Lower	Upper
244	100	
212	7.0	5.8 8.8
122	9.3	8.0 12.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: BF140738.D
 Acq: 04 Dec 2024 20:23

Instrument :
 BNA_F
 ClientSampleId :
 MH-737

Tgt Ion:264 Resp: 142101
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.0 28.6
 265 21.8 16.6 25.0

