

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010824\
 Data File : BF137006.D
 Acq On : 08 Jan 2024 21:06
 Operator : CG\JU
 Sample : P1038-02DL 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2DL

Quant Time: Jan 09 00:44:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

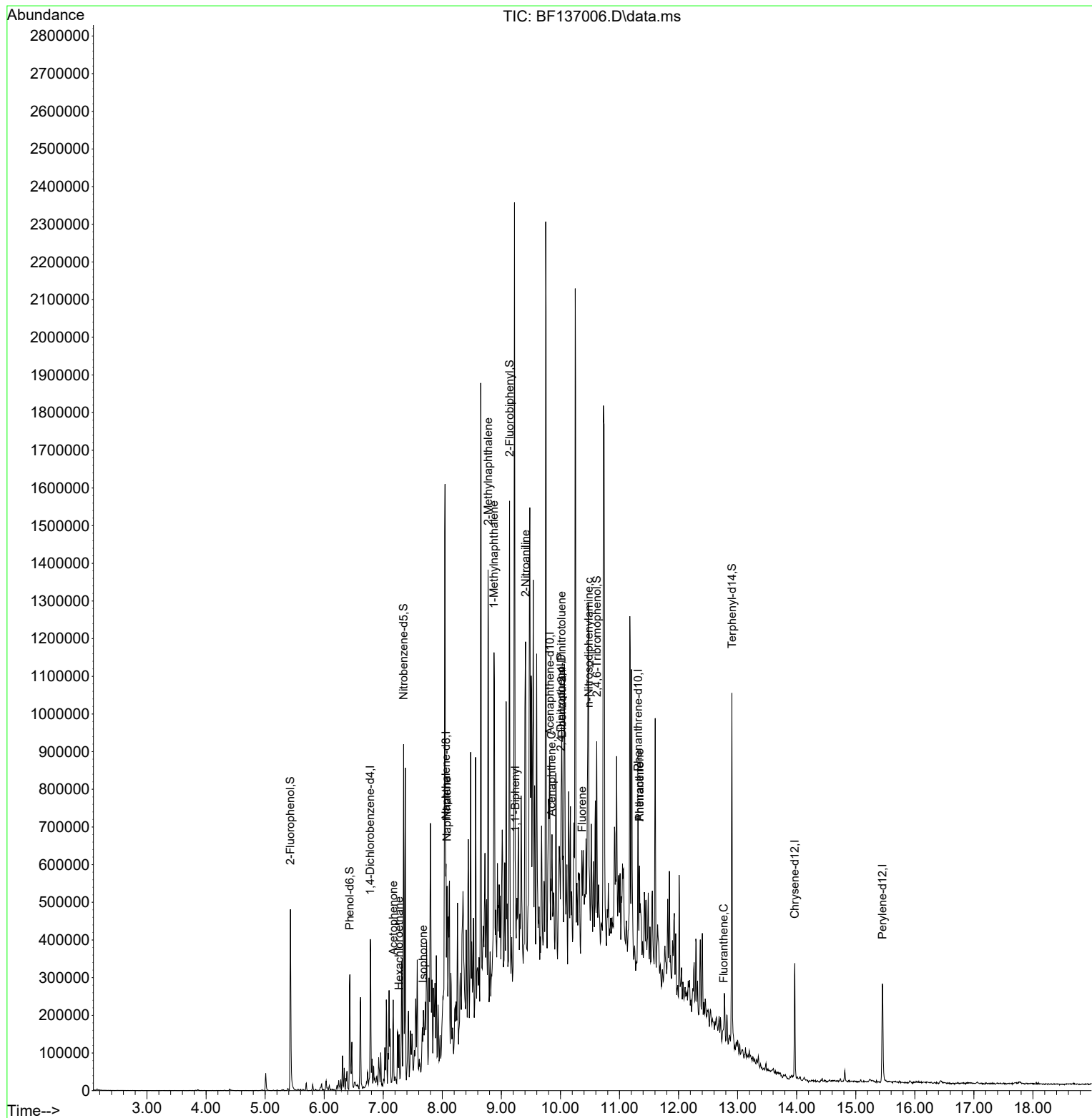
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	51141	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	189767	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	85286	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	135408	20.000	ng	0.00
76) Chrysene-d12	13.969	240	107902	20.000	ng	# 0.00
86) Perylene-d12	15.451	264	132771	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	138442	42.238	ng	0.00
7) Phenol-d6	6.434	99	119788	28.205	ng	0.00
23) Nitrobenzene-d5	7.345	82	198145	53.430	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	64777	64.491	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	385481	60.791	ng	-0.01
79) Terphenyl-d14	12.904	244	306222	39.660	ng	-0.01
Target Compounds						
						Qvalue
18) Hexachloroethane	7.269	117	3473	2.392	ng	# 1
22) Acetophenone	7.169	105	53500	11.248	ng	# 50
25) Isophorone	7.675	82	16716	2.477	ng	# 67
31) Naphthalene	8.081	128	85003	8.154	ng	# 93
37) 2-Methylnaphthalene	8.775	142	312783	46.619	ng	99
38) 1-Methylnaphthalene	8.875	142	194968	29.619	ng	98
46) 1,1'-Biphenyl	9.239	154	50850	7.105	ng	98
48) 2-Nitroaniline	9.410	65	5118	3.004	ng	# 38
52) Acenaphthene	9.851	154	20597	3.996	ng	# 82
54) 2,4-Dinitrophenol	10.010	184	346	4.156	ng	# 1
55) Dibenzofuran	10.028	168	16815	2.152	ng	# 8
57) 2,4-Dinitrotoluene	10.022	165	7107	3.872	ng	# 50
58) Fluorene	10.369	166	32863	5.300	ng	# 93
66) n-Nitrosodiphenylamine	10.480	169	41216	9.370	ng	# 59
71) Phenanthrene	11.339	178	91528	13.174	ng	96
72) Anthracene	11.339	178	91528	13.008	ng	95
75) Fluoranthene	12.763	202	17618	2.371	ng	92

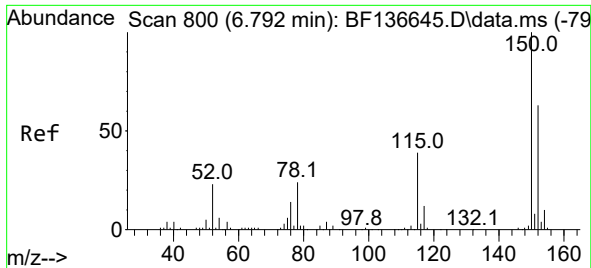
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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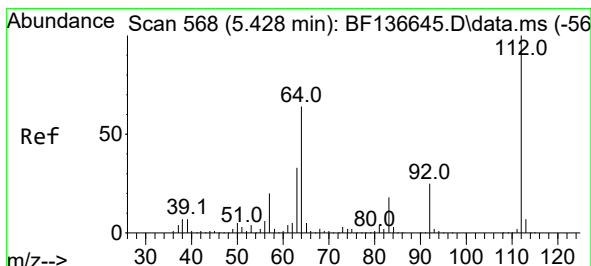
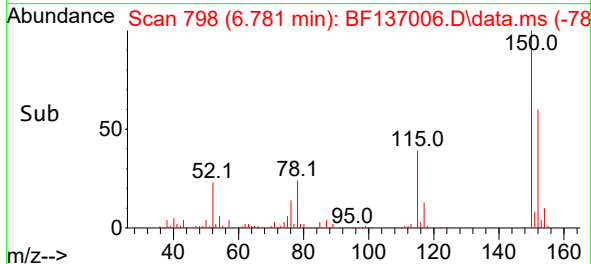
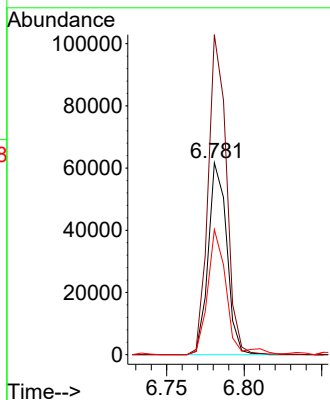
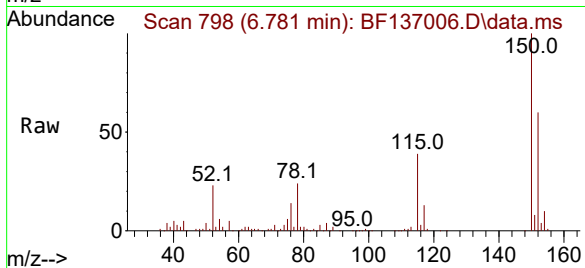




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF137006.D
Acq: 08 Jan 2024 21:06

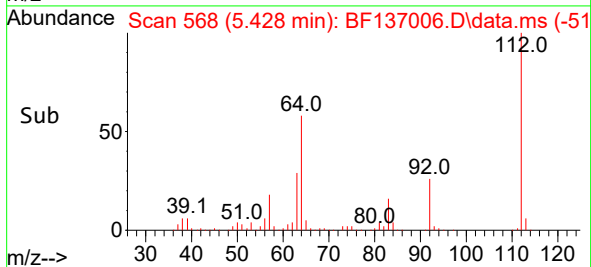
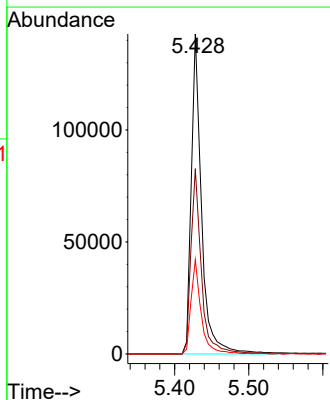
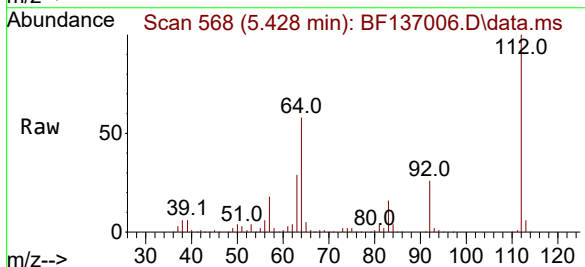
Instrument :
BNA_F
ClientSampleId :
MW-2DL

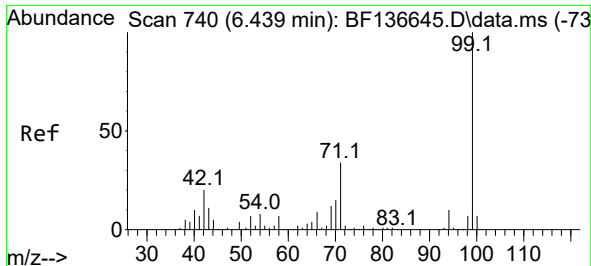
Tgt Ion:152 Resp: 51141
Ion Ratio Lower Upper
152 100
150 166.8 127.0 190.6
115 65.2 49.0 73.4



#5
2-Fluorophenol
Concen: 42.238 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF137006.D
Acq: 08 Jan 2024 21:06

Tgt Ion:112 Resp: 138442
Ion Ratio Lower Upper
112 100
64 57.9 51.1 76.7
63 29.4 26.1 39.1

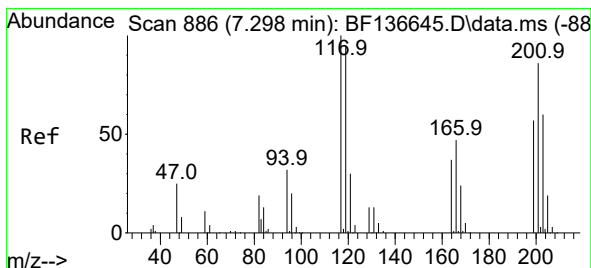
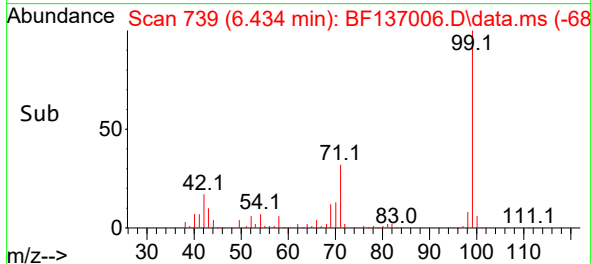
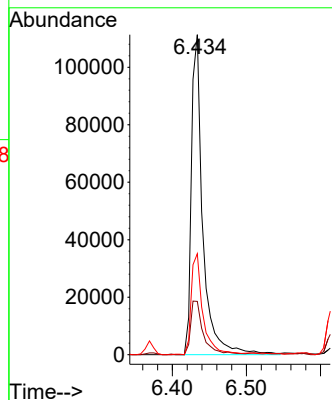
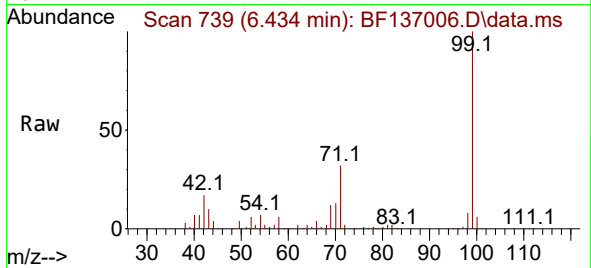




#7
Phenol-d6
Concen: 28.205 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137006.D
Acq: 08 Jan 2024 21:06

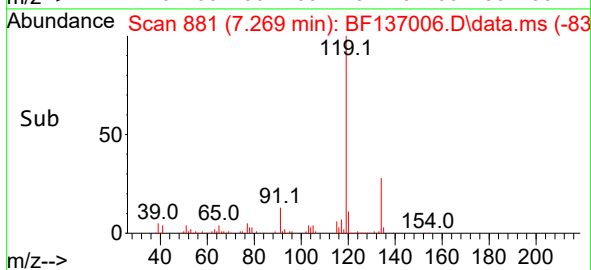
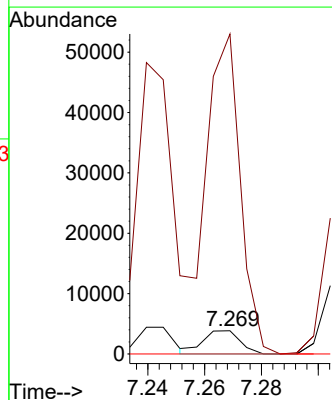
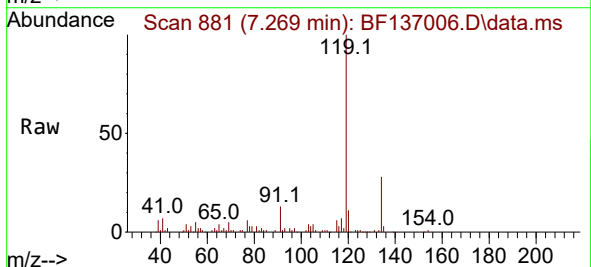
Instrument :
BNA_F
ClientSampleId :
MW-2DL

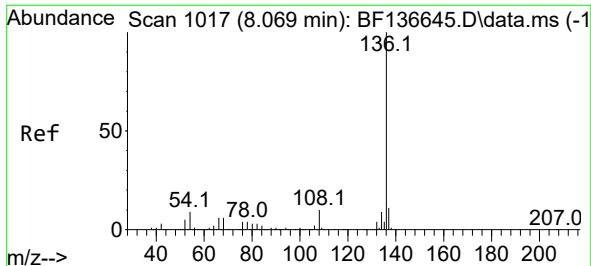
Tgt Ion: 99 Resp: 119788
Ion Ratio Lower Upper
99 100
42 16.6 16.1 24.1
71 31.5 27.4 41.2



#18
Hexachloroethane
Concen: 2.392 ng
RT: 7.269 min Scan# 881
Delta R.T. -0.029 min
Lab File: BF137006.D
Acq: 08 Jan 2024 21:06

Tgt Ion: 117 Resp: 3473
Ion Ratio Lower Upper
117 100
119 1381.3 75.8 113.6#
201 0.0 69.1 103.7#



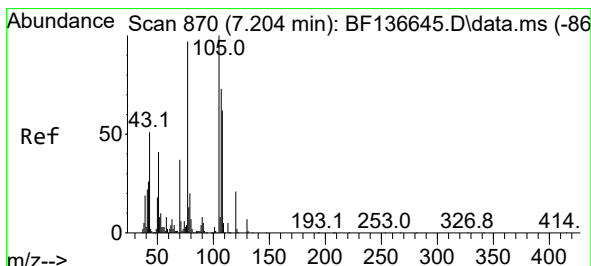
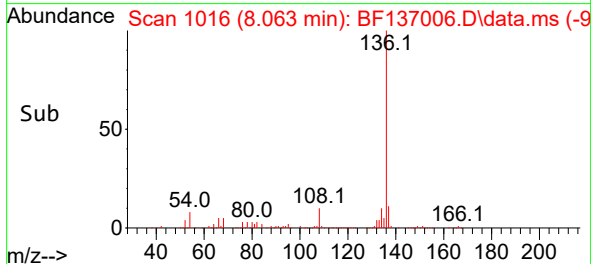
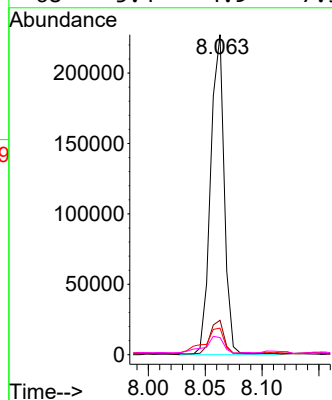
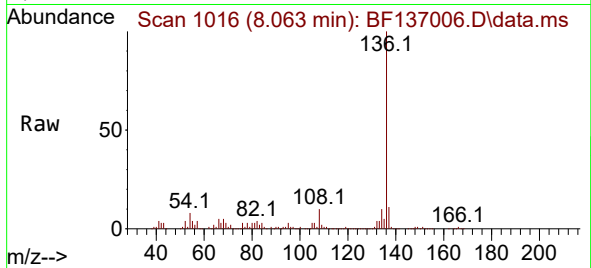


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF137006.D
Acq: 08 Jan 2024 21:06

Instrument :
BNA_F
ClientSampleId :
MW-2DL

Tgt Ion:136 Resp: 189767

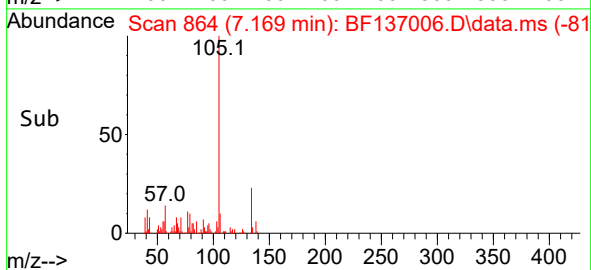
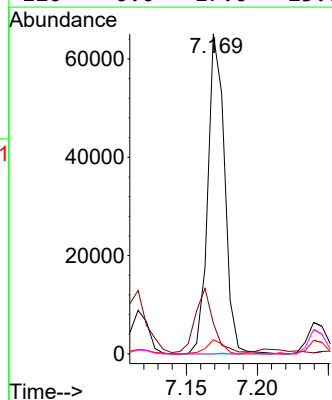
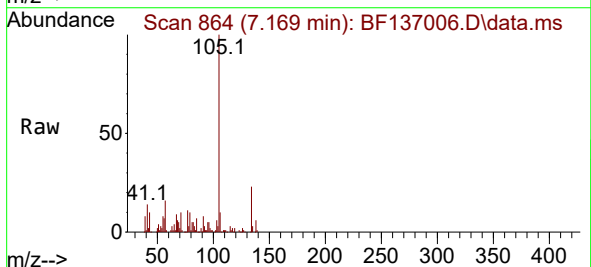
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.4
54	8.3	7.2	10.8
68	5.4	4.9	7.3

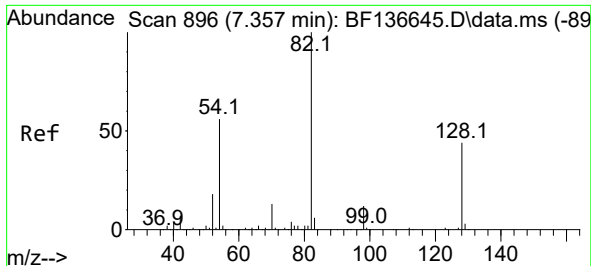


#22
Acetophenone
Concen: 11.248 ng
RT: 7.169 min Scan# 864
Delta R.T. -0.035 min
Lab File: BF137006.D
Acq: 08 Jan 2024 21:06

Tgt Ion:105 Resp: 53500

Ion	Ratio	Lower	Upper
105	100		
71	9.6	4.8	7.2#
51	4.5	32.8	49.2#
120	0.0	17.0	25.6#





#23

Nitrobenzene-d5

Concen: 53.430 ng

RT: 7.345 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF137006.D

Acq: 08 Jan 2024 21:06

Instrument :

BNA_F

ClientSampleId :

MW-2DL

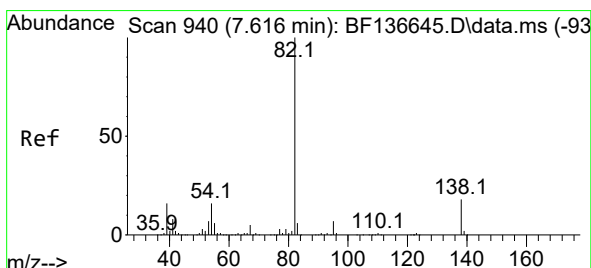
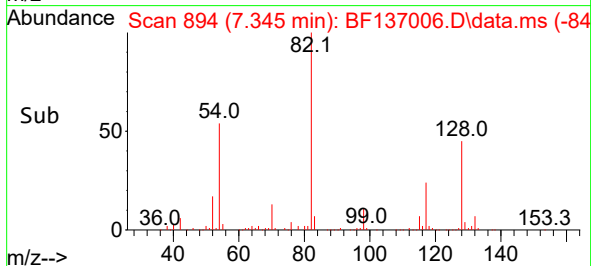
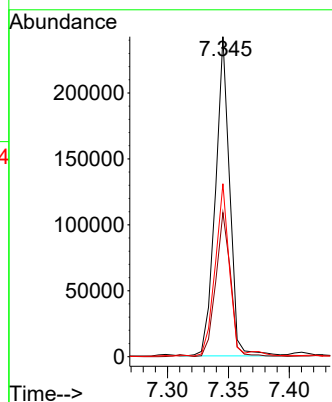
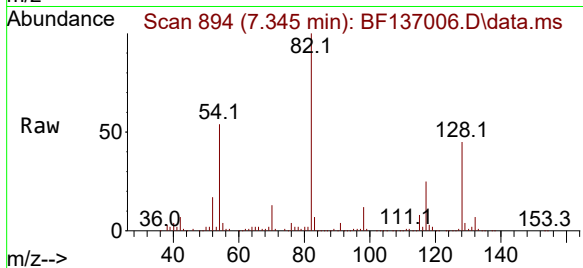
Tgt Ion: 82 Resp: 198145

Ion Ratio Lower Upper

82 100

128 45.1 35.3 52.9

54 54.1 44.5 66.7



#25

Isophorone

Concen: 2.477 ng

RT: 7.675 min Scan# 950

Delta R.T. 0.059 min

Lab File: BF137006.D

Acq: 08 Jan 2024 21:06

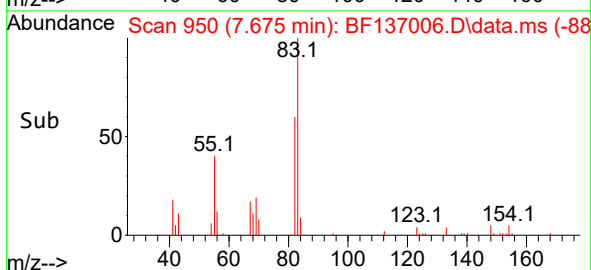
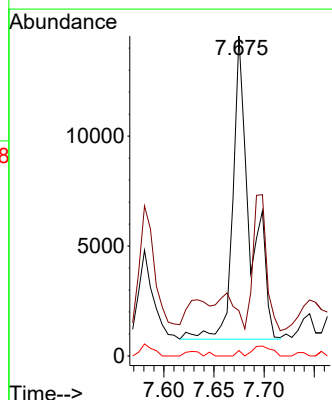
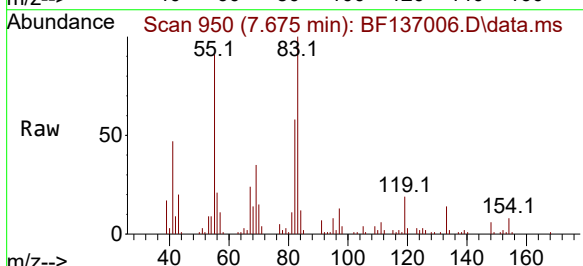
Tgt Ion: 82 Resp: 16716

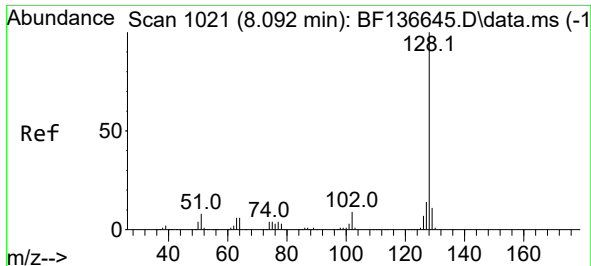
Ion Ratio Lower Upper

82 100

95 14.1 5.5 8.3#

138 1.7 14.5 21.7#

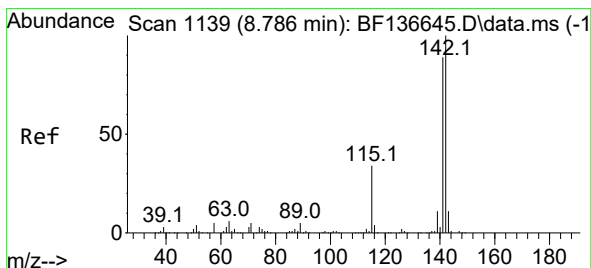
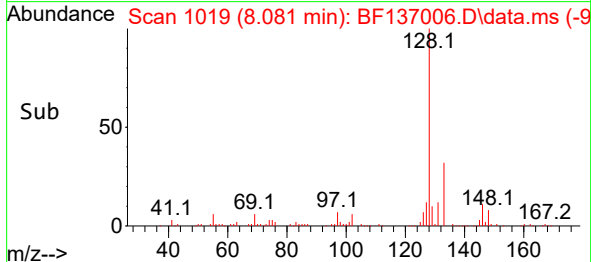
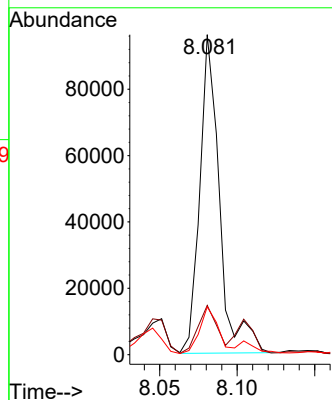
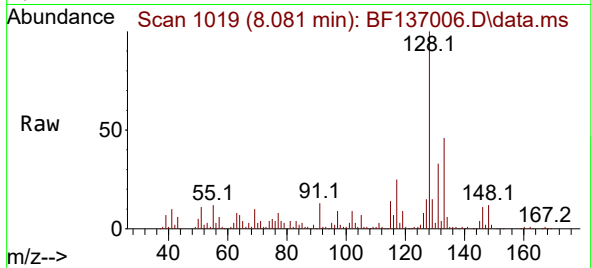




#31
Naphthalene
Concen: 8.154 ng
RT: 8.081 min Scan# 1021
Delta R.T. -0.012 min
Lab File: BF137006.D
Acq: 08 Jan 2024 21:06

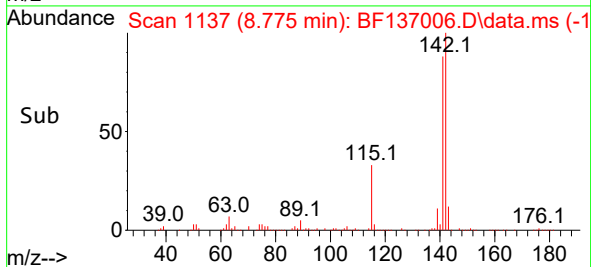
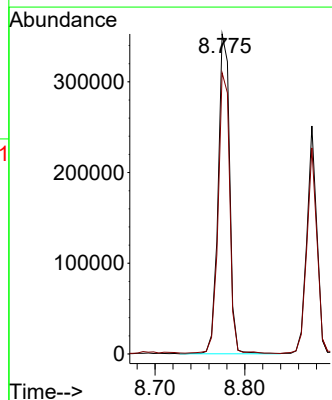
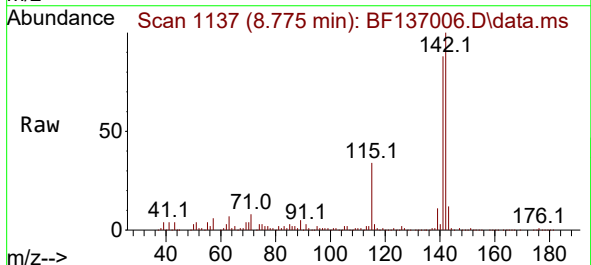
Instrument :
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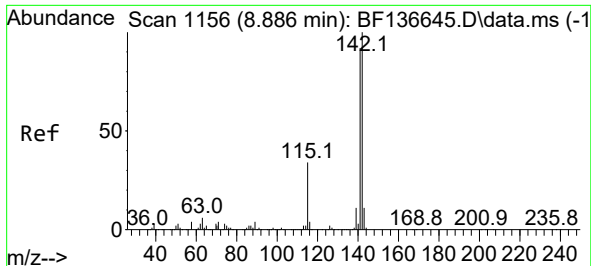
Tgt Ion:128 Resp: 85003
Ion Ratio Lower Upper
128 100
129 15.4 8.7 13.1#
127 14.9 10.8 16.2



#37
2-Methylnaphthalene
Concen: 46.619 ng
RT: 8.775 min Scan# 1137
Delta R.T. -0.012 min
Lab File: BF137006.D
Acq: 08 Jan 2024 21:06

Tgt Ion:142 Resp: 312783
Ion Ratio Lower Upper
142 100
141 87.9 71.1 106.7

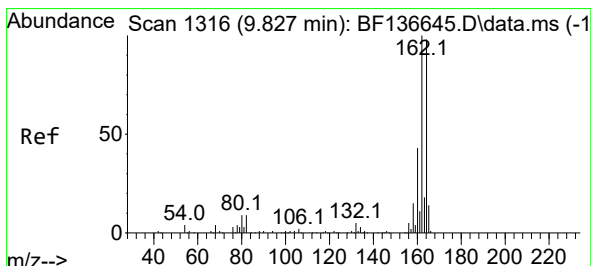
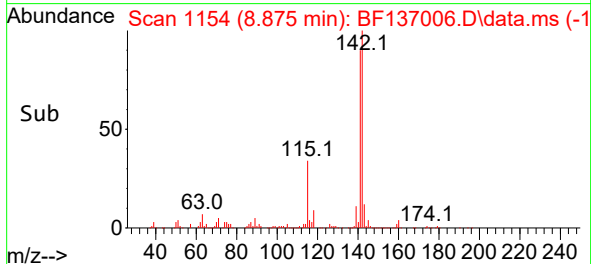
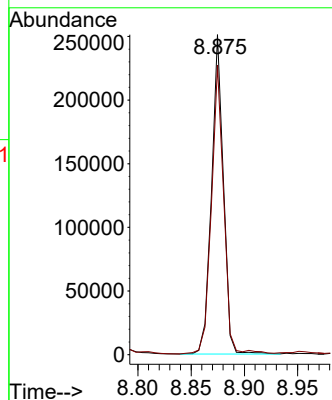
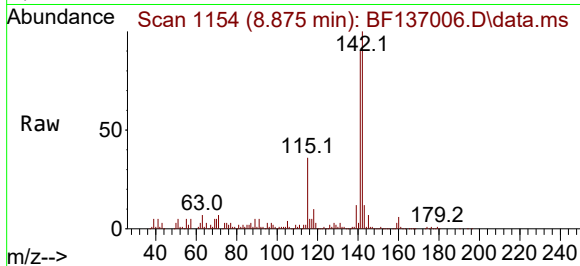




#38
1-Methylnaphthalene
Concen: 29.619 ng
RT: 8.875 min Scan# 1154
Delta R.T. -0.012 min
Lab File: BF137006.D
Acq: 08 Jan 2024 21:06

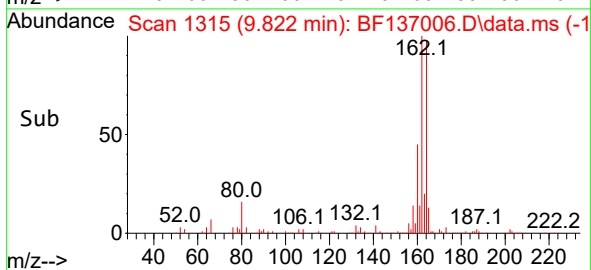
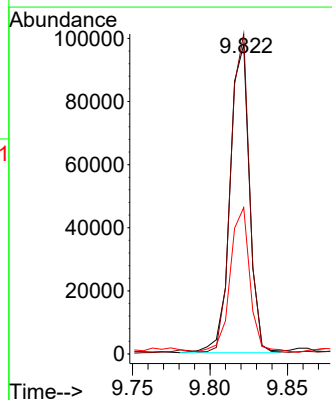
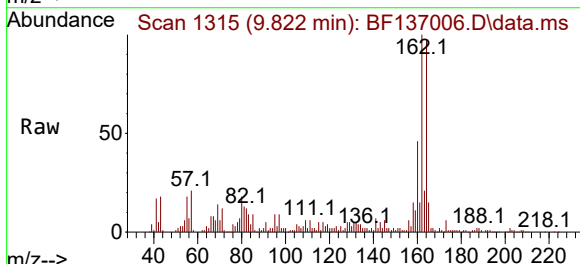
Instrument :
BNA_F
ClientSampleId :
MW-2DL

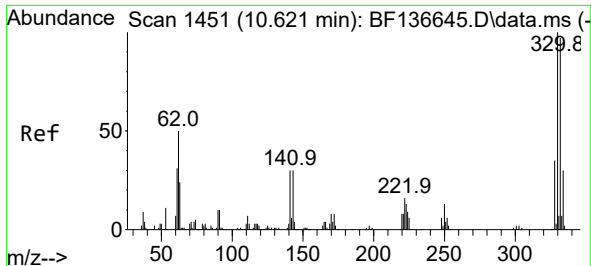
Tgt Ion:142 Resp: 194968
Ion Ratio Lower Upper
142 100
141 90.4 73.6 110.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF137006.D
Acq: 08 Jan 2024 21:06

Tgt Ion:164 Resp: 85286
Ion Ratio Lower Upper
164 100
162 103.4 81.6 122.4
160 47.3 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 64.491 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.006 min

Lab File: BF137006.D

Acq: 08 Jan 2024 21:06

Instrument :

BNA_F

ClientSampleId :

MW-2DL

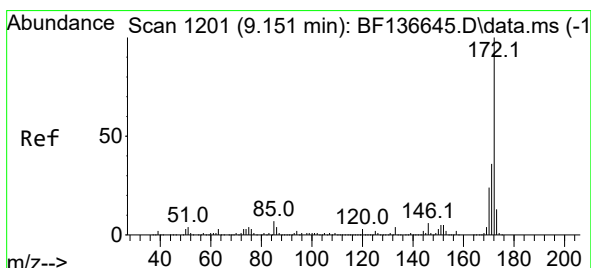
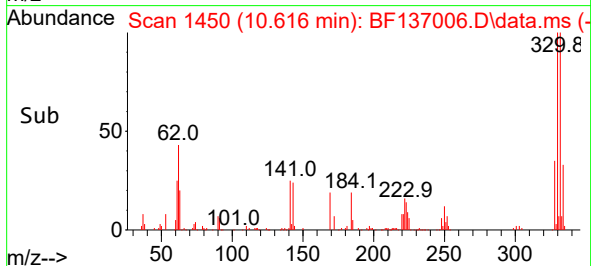
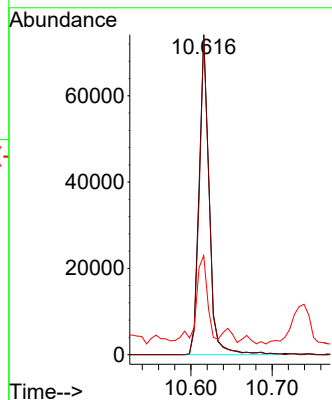
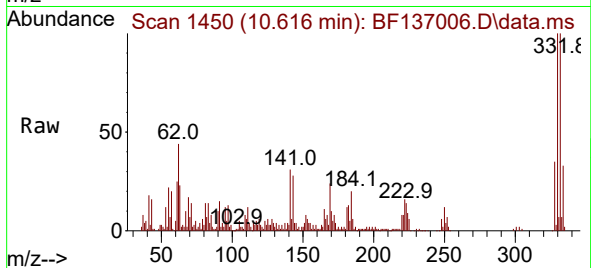
Tgt Ion:330 Resp: 64777

Ion Ratio Lower Upper

330 100

332 97.0 77.4 116.0

141 29.8 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 60.791 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF137006.D

Acq: 08 Jan 2024 21:06

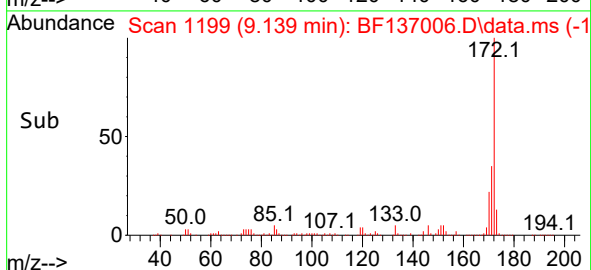
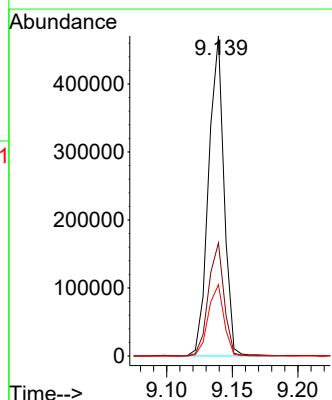
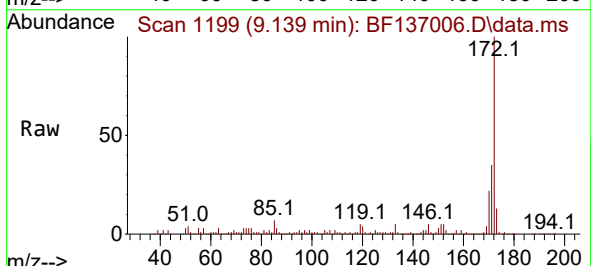
Tgt Ion:172 Resp: 385481

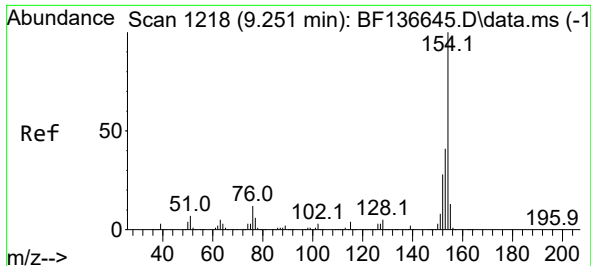
Ion Ratio Lower Upper

172 100

171 35.4 29.0 43.6

170 22.2 19.0 28.4





#46

1,1'-Biphenyl

Concen: 7.105 ng

RT: 9.239 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF137006.D

Acq: 08 Jan 2024 21:06

Instrument :

BNA_F

ClientSampleId :

MW-2DL

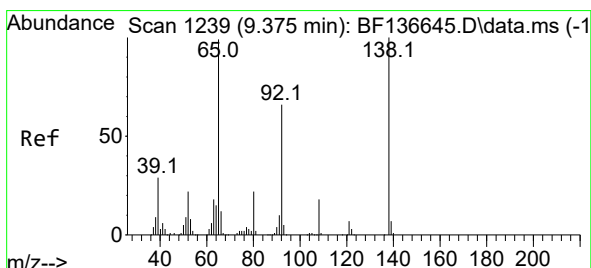
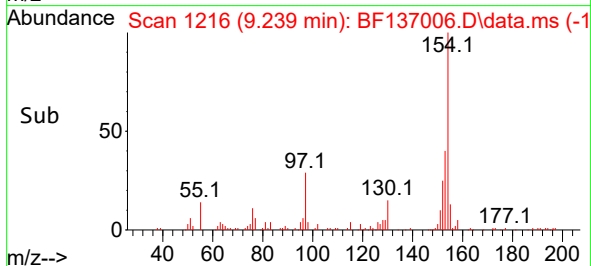
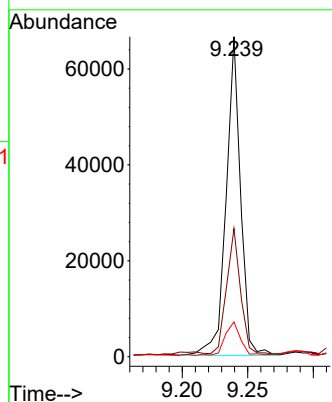
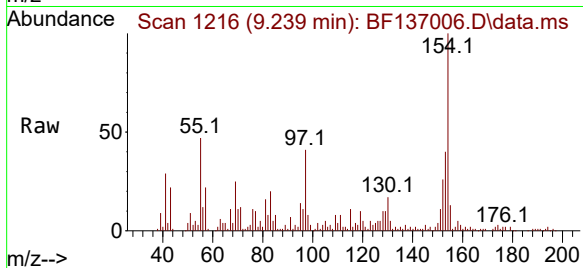
Tgt Ion:154 Resp: 50850

Ion Ratio Lower Upper

154 100

153 40.0 21.1 61.1

76 10.9 0.0 31.7



#48

2-Nitroaniline

Concen: 3.004 ng

RT: 9.410 min Scan# 1245

Delta R.T. 0.035 min

Lab File: BF137006.D

Acq: 08 Jan 2024 21:06

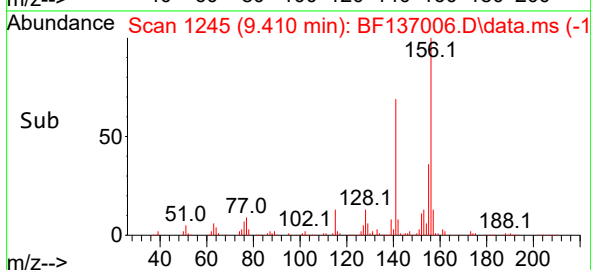
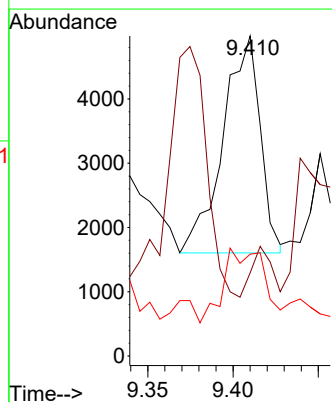
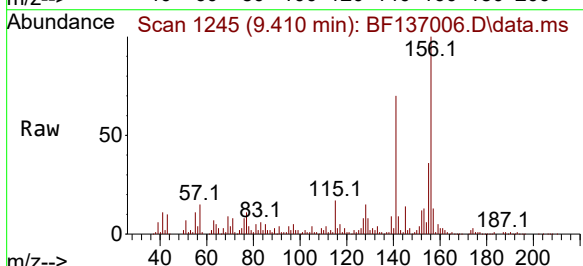
Tgt Ion: 65 Resp: 5118

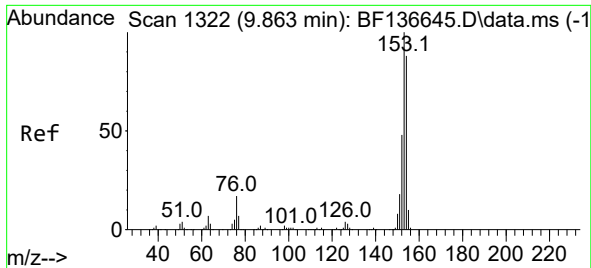
Ion Ratio Lower Upper

65 100

92 26.0 53.2 79.8#

138 31.8 81.1 121.7#

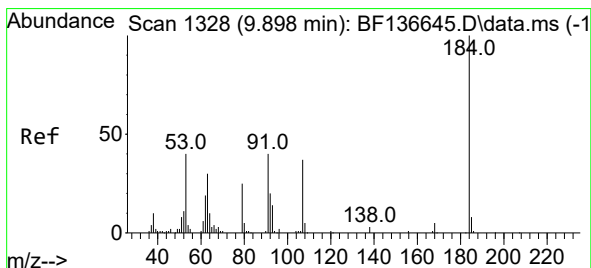
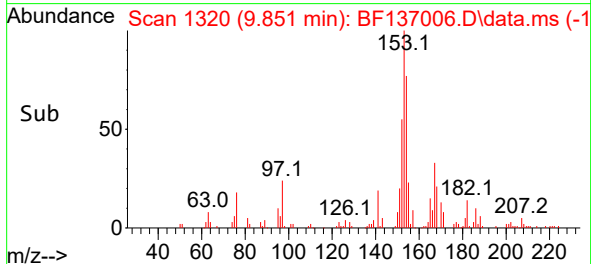
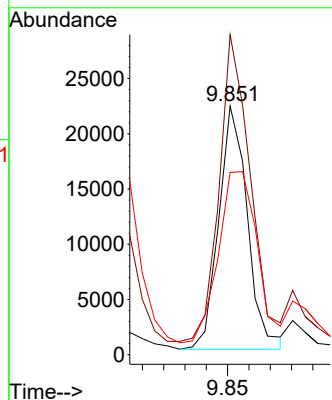
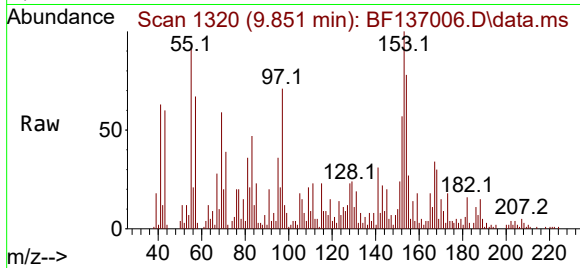




#52
Acenaphthene
Concen: 3.996 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF137006.D
Acq: 08 Jan 2024 21:06

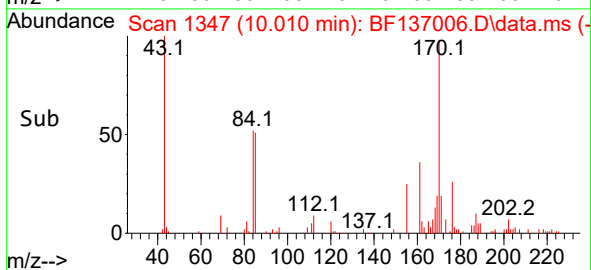
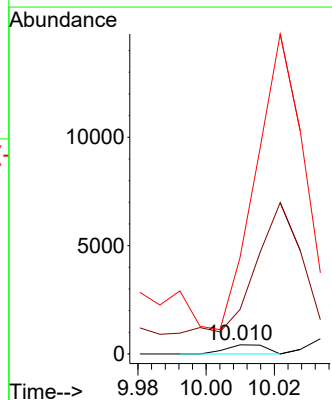
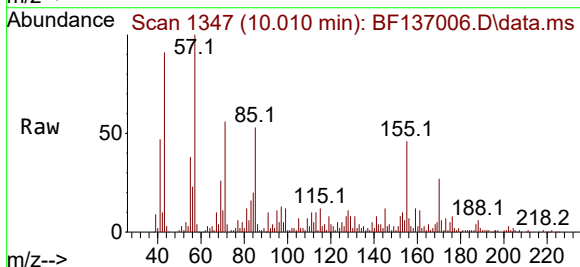
Instrument :
BNA_F
ClientSampleId :
MW-2DL

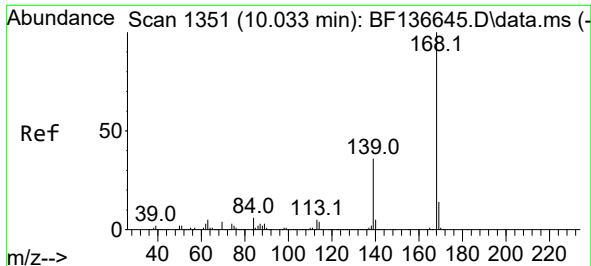
Tgt Ion:154 Resp: 20597
Ion Ratio Lower Upper
154 100
153 128.7 90.7 136.1
152 73.3 43.7 65.5#



#54
2,4-Dinitrophenol
Concen: 4.156 ng
RT: 10.010 min Scan# 1347
Delta R.T. 0.112 min
Lab File: BF137006.D
Acq: 08 Jan 2024 21:06

Tgt Ion:184 Resp: 346
Ion Ratio Lower Upper
184 100
63 490.9 40.9 61.3#
154 1065.8 42.7 64.1#

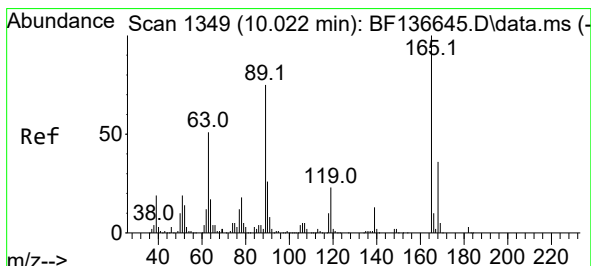
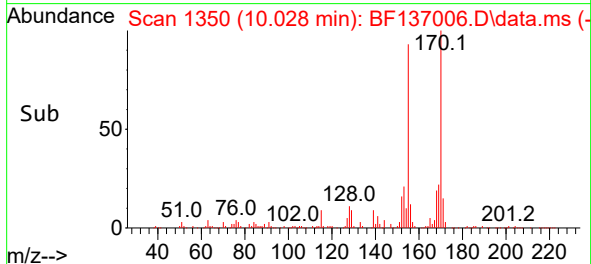
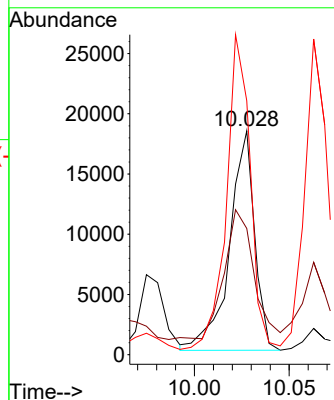
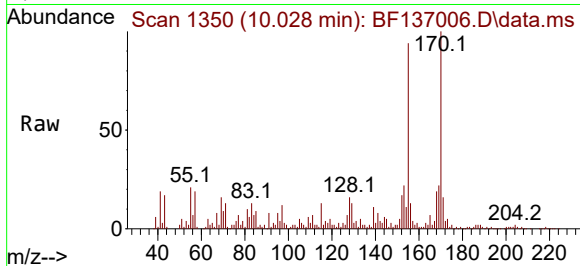




#55
Dibenzenofuran
Concen: 2.152 ng
RT: 10.028 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BF137006.D
Acq: 08 Jan 2024 21:06

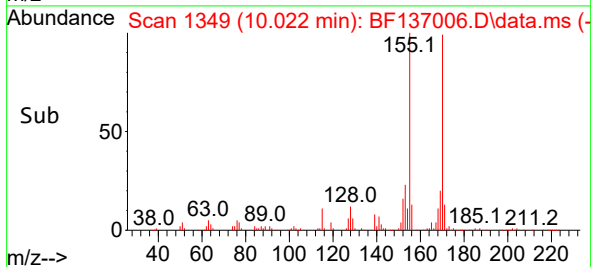
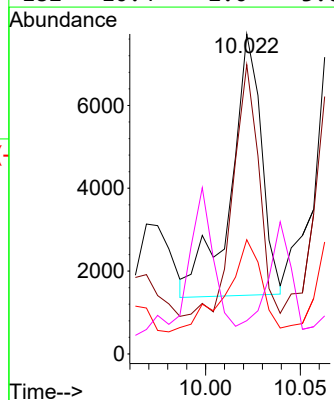
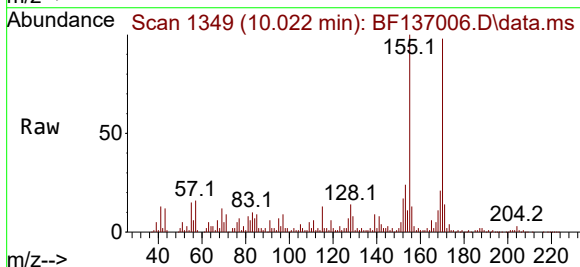
Instrument :
BNA_F
ClientSampleId :
MW-2DL

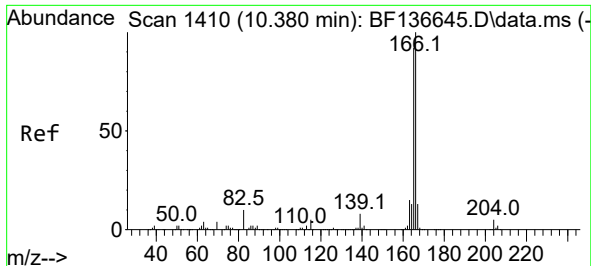
Tgt Ion:168 Resp: 16815
Ion Ratio Lower Upper
168 100
139 56.4 29.3 43.9#
169 113.5 11.0 16.4#



#57
2,4-Dinitrotoluene
Concen: 3.872 ng
RT: 10.022 min Scan# 1349
Delta R.T. 0.000 min
Lab File: BF137006.D
Acq: 08 Jan 2024 21:06

Tgt Ion:165 Resp: 7107
Ion Ratio Lower Upper
165 100
63 90.4 41.0 61.6#
89 35.7 59.9 89.9#
182 10.4 2.0 3.0#

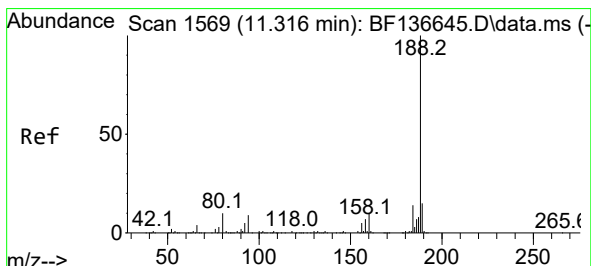
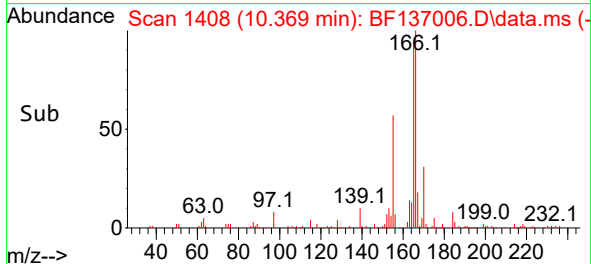
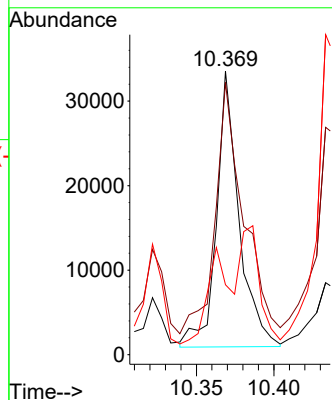
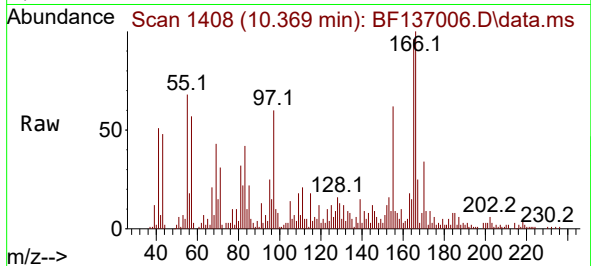




#58
Fluorene
Concen: 5.300 ng
RT: 10.369 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF137006.D
Acq: 08 Jan 2024 21:06

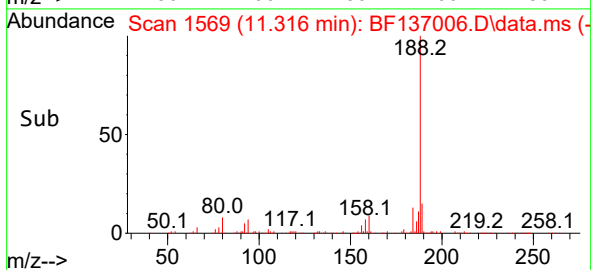
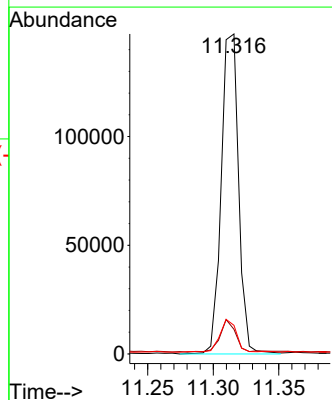
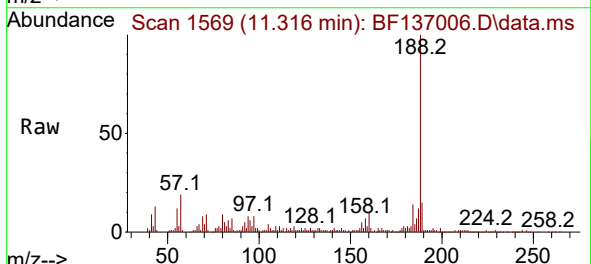
Instrument :
BNA_F
ClientSampleId :
MW-2DL

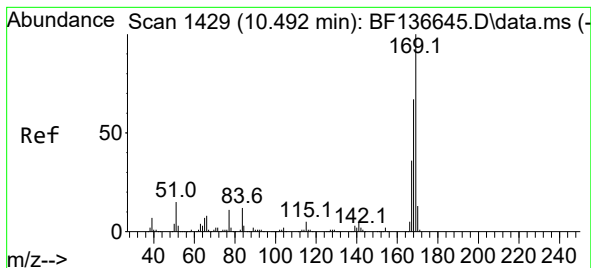
Tgt Ion:166 Resp: 32863
Ion Ratio Lower Upper
166 100
165 96.0 73.7 110.5
167 24.7 10.4 15.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BF137006.D
Acq: 08 Jan 2024 21:06

Tgt Ion:188 Resp: 135408
Ion Ratio Lower Upper
188 100
94 7.7 7.5 11.3
80 8.9 8.1 12.1

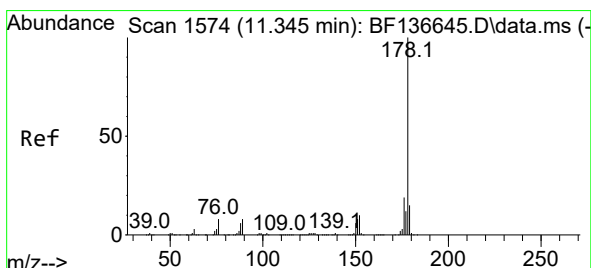
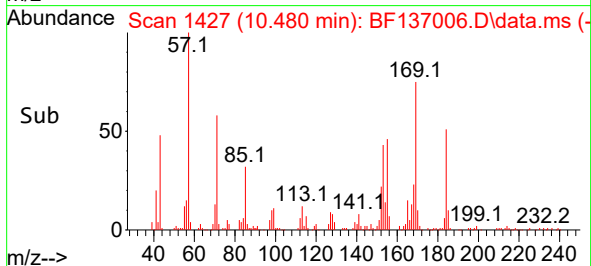
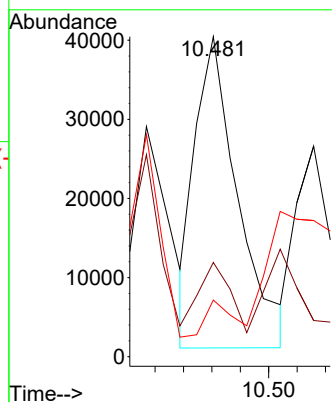
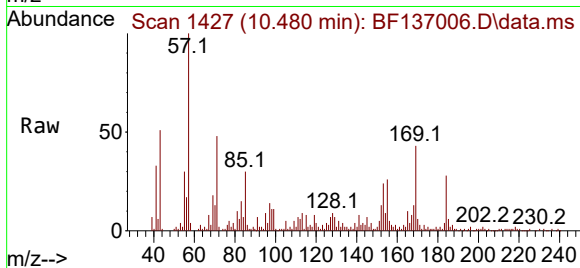




#66
n-Nitrosodiphenylamine
Concen: 9.370 ng
RT: 10.480 min Scan# 1429
Delta R.T. -0.012 min
Lab File: BF137006.D
Acq: 08 Jan 2024 21:06

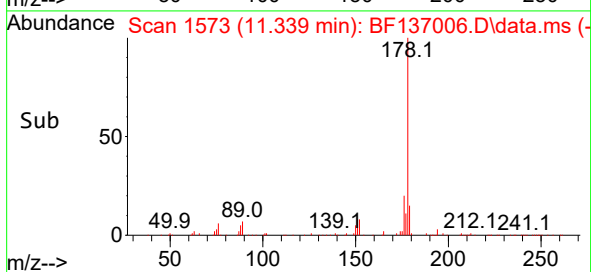
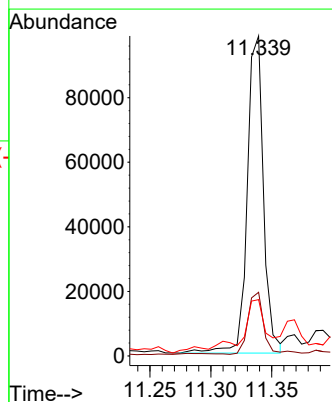
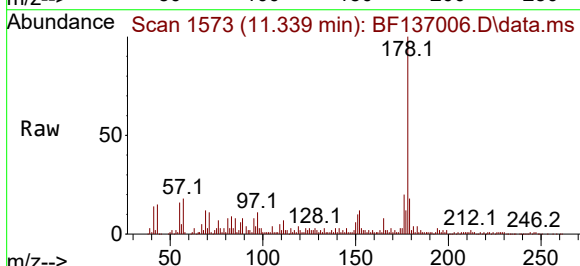
Instrument :
BNA_F
ClientSampleId :
MW-2DL

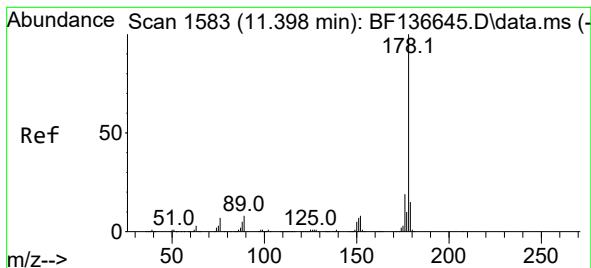
Tgt Ion:169 Resp: 41216
Ion Ratio Lower Upper
169 100
168 29.4 53.8 80.6#
167 17.7 28.7 43.1#



#71
Phenanthrene
Concen: 13.174 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF137006.D
Acq: 08 Jan 2024 21:06

Tgt Ion:178 Resp: 91528
Ion Ratio Lower Upper
178 100
176 19.9 15.3 22.9
179 17.6 11.9 17.9





#72

Anthracene

Concen: 13.008 ng

RT: 11.339 min Scan# 1

Delta R.T. -0.059 min

Lab File: BF137006.D

Acq: 08 Jan 2024 21:06

Instrument :

BNA_F

ClientSampleId :

MW-2DL

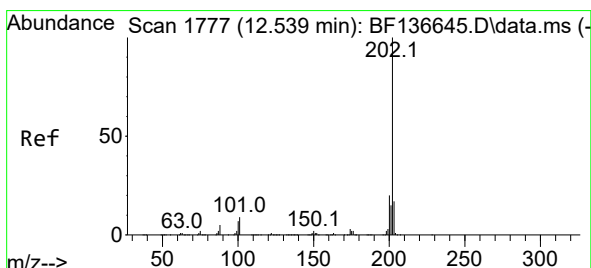
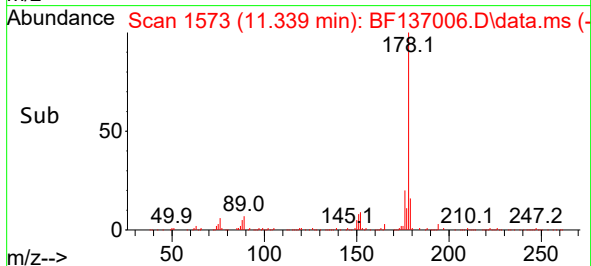
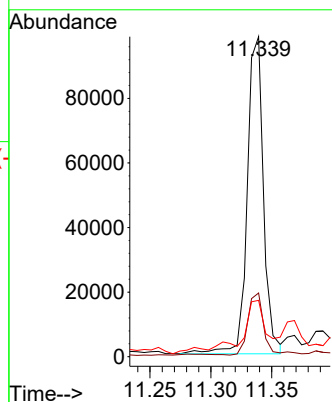
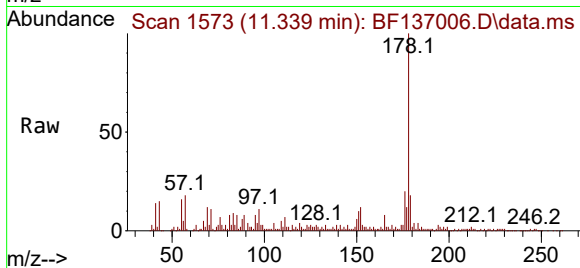
Tgt Ion:178 Resp: 91528

Ion Ratio Lower Upper

178 100

176 19.9 14.9 22.3

179 17.6 11.8 17.6



#75

Fluoranthene

Concen: 2.371 ng

RT: 12.763 min Scan# 1815

Delta R.T. 0.224 min

Lab File: BF137006.D

Acq: 08 Jan 2024 21:06

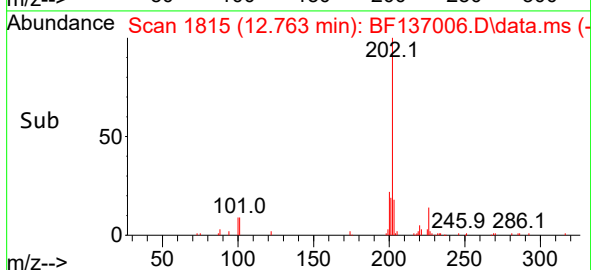
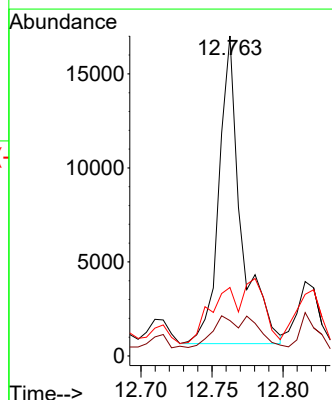
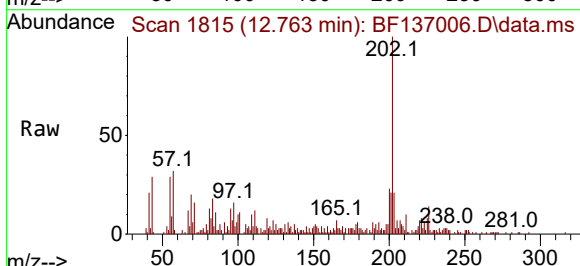
Tgt Ion:202 Resp: 17618

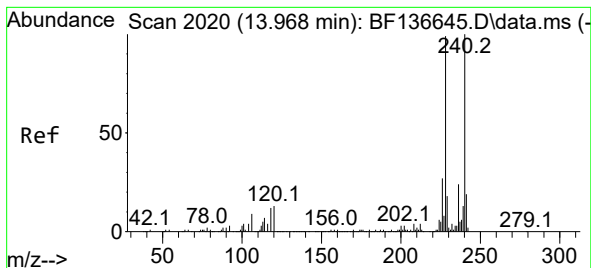
Ion Ratio Lower Upper

202 100

101 11.0 0.0 29.3

203 21.4 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF137006.D

Acq: 08 Jan 2024 21:06

Instrument :

BNA_F

ClientSampleId :

MW-2DL

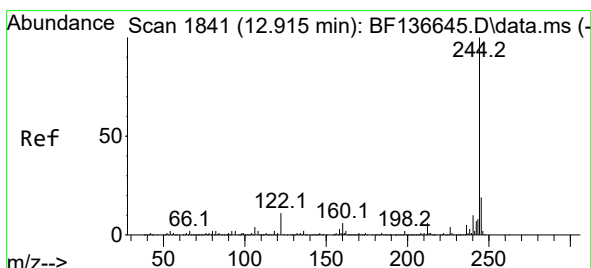
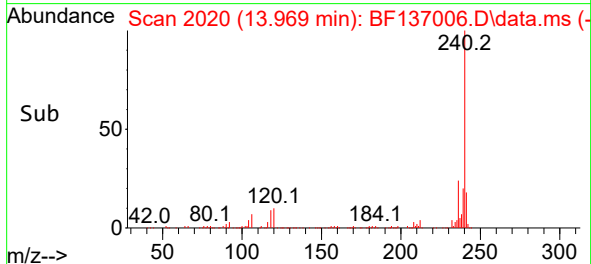
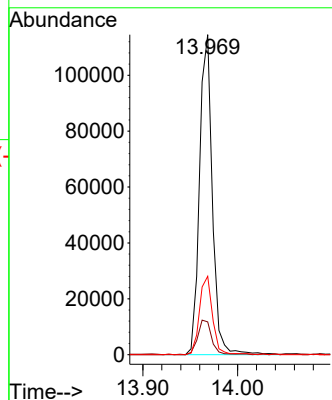
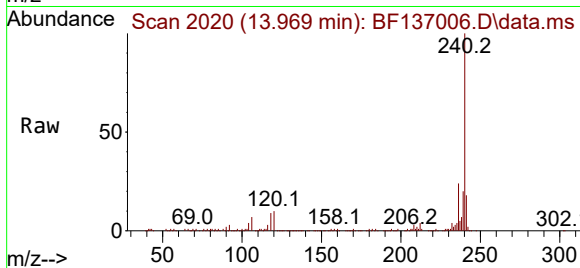
Tgt Ion:240 Resp: 107902

Ion Ratio Lower Upper

240 100

120 10.2 10.3 15.5#

236 24.5 19.4 29.2



#79

Terphenyl-d14

Concen: 39.660 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF137006.D

Acq: 08 Jan 2024 21:06

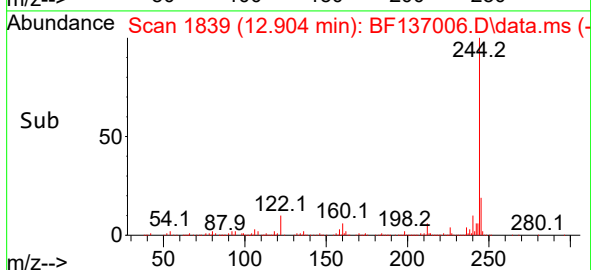
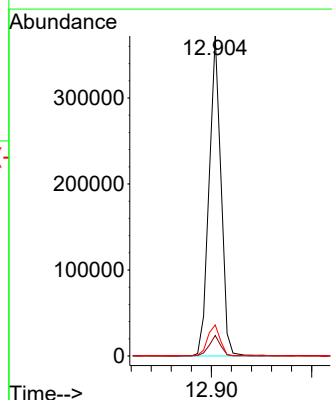
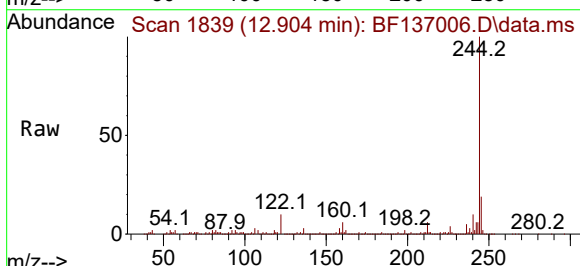
Tgt Ion:244 Resp: 306222

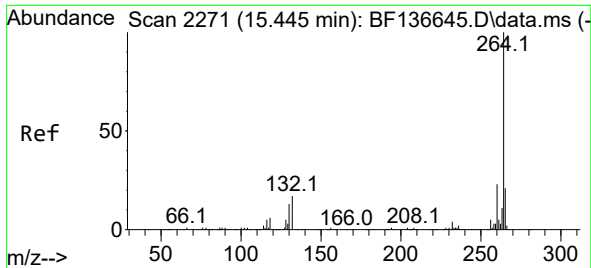
Ion Ratio Lower Upper

244 100

212 6.4 5.0 7.4

122 9.7 9.0 13.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.451 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF137006.D
 Acq: 08 Jan 2024 21:06

Instrument :
 BNA_F
 ClientSampleId :
 MW-2DL

Tgt Ion:264 Resp: 132771
 Ion Ratio Lower Upper
 264 100
 260 22.6 18.3 27.5
 265 21.0 17.0 25.6

