

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100422\
 Data File : BF130523.D
 Acq On : 04 Oct 2022 17:45
 Operator : CG\JU
 Sample : N4941-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-5R

Quant Time: Oct 05 02:19:56 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 28 02:59:31 2022
 Response via : Initial Calibration

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

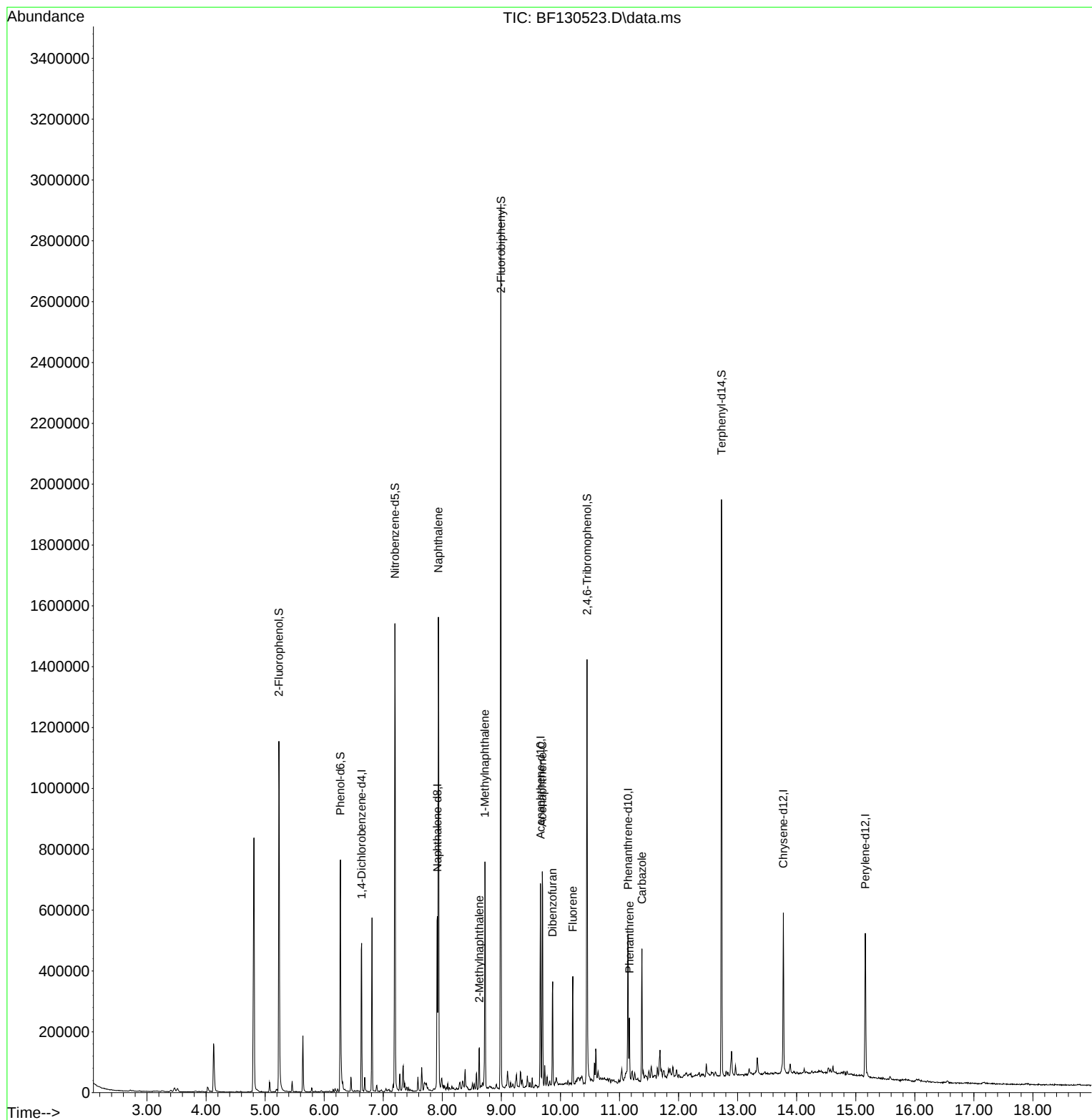
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.634	152	70501	20.000	ng	-0.01
21) Naphthalene-d8	7.916	136	254782	20.000	ng	-0.01
39) Acenaphthene-d10	9.663	164	116560	20.000	ng	-0.02
64) Phenanthrene-d10	11.145	188	165826	20.000	ng	-0.01
76) Chrysene-d12	13.774	240	156550	20.000	ng	-0.02
86) Perylene-d12	15.162	264	190743	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.234	112	339531	83.531	ng	-0.01
7) Phenol-d6	6.275	99	262649	51.643	ng	-0.02
23) Nitrobenzene-d5	7.198	82	482742	96.799	ng	-0.02
42) 2,4,6-Tribromophenol	10.451	330	159962	143.224	ng	-0.02
45) 2-Fluorobiphenyl	8.992	172	784064	97.954	ng	-0.02
79) Terphenyl-d14	12.727	244	623223	65.945	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	7.934	128	644231	49.080	ng	99
37) 2-Methylnaphthalene	8.628	142	34672	4.143	ng	97
38) 1-Methylnaphthalene	8.722	142	170464	21.203	ng	96
52) Acenaphthene	9.692	154	148298	21.377	ng	98
55) Dibenzofuran	9.869	168	122636	12.710	ng	98
58) Fluorene	10.210	166	90976	11.529	ng	98
71) Phenanthrene	11.169	178	69774	7.494	ng	97
73) Carbazole	11.380	167	153192	18.893	ng	97

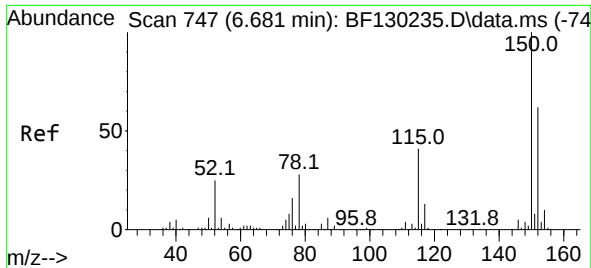
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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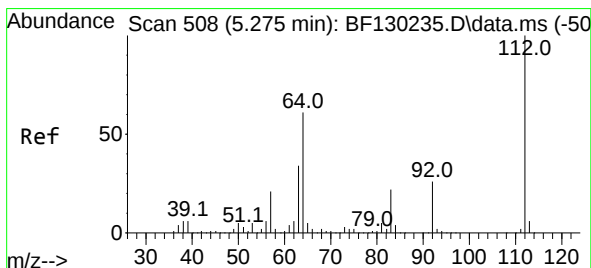
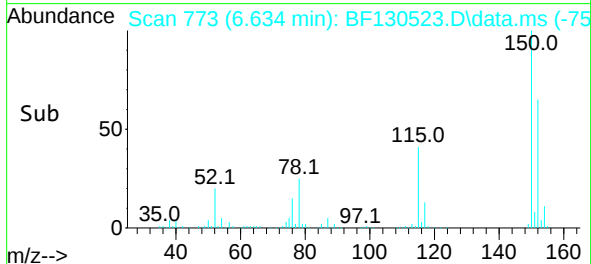
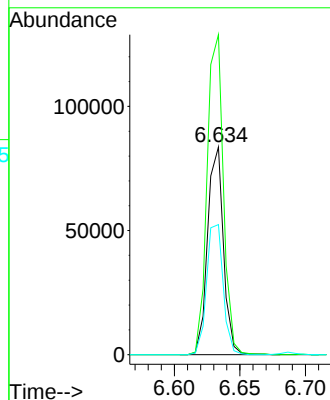
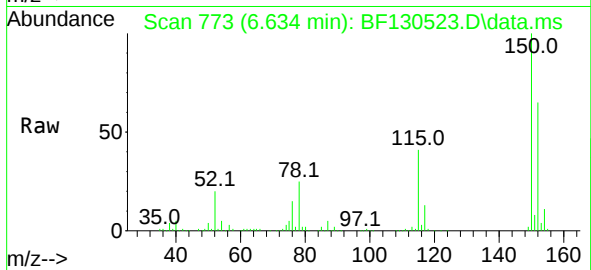




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.634 min Scan# 71
Delta R.T. -0.011 min
Lab File: BF130523.D
Acq: 04 Oct 2022 17:45

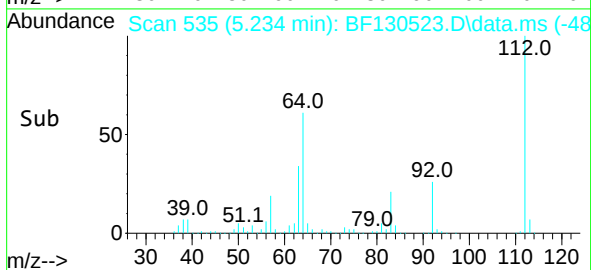
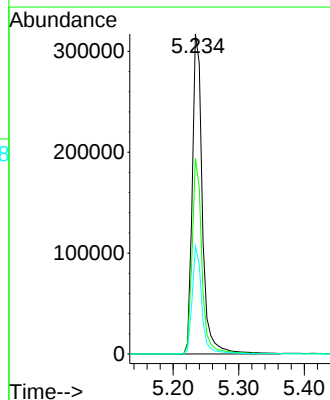
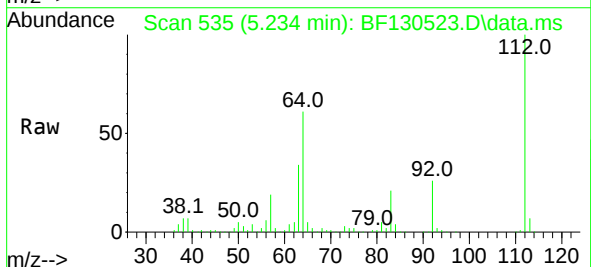
Instrument :
BNA_F
ClientSampleId :
MW-5R

Tgt Ion:152 Resp: 70501
Ion Ratio Lower Upper
152 100
150 154.1 122.8 184.2
115 62.6 53.8 80.8



#5
2-Fluorophenol
Concen: 83.531 ng
RT: 5.234 min Scan# 535
Delta R.T. -0.012 min
Lab File: BF130523.D
Acq: 04 Oct 2022 17:45

Tgt Ion:112 Resp: 339531
Ion Ratio Lower Upper
112 100
64 61.2 51.4 77.0
63 33.7 28.8 43.2

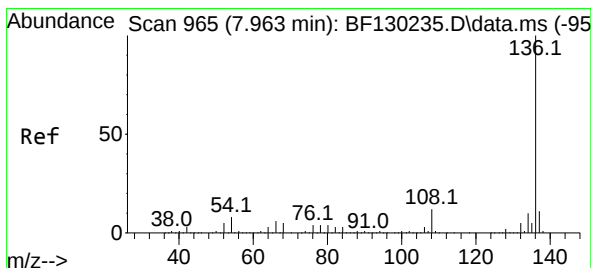
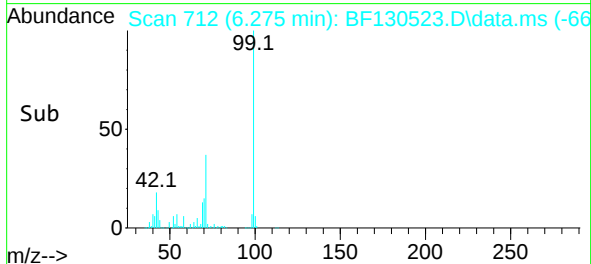
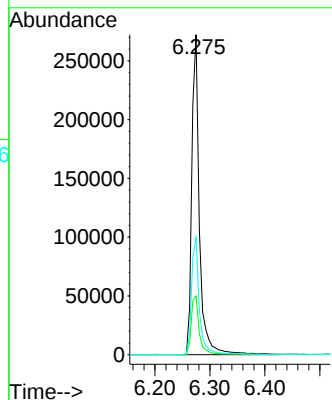
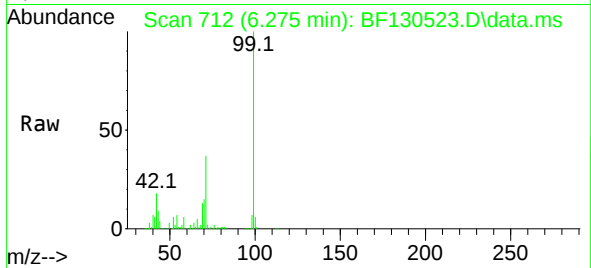




#7
Phenol-d6
Concen: 51.643 ng
RT: 6.275 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF130523.D
Acq: 04 Oct 2022 17:45

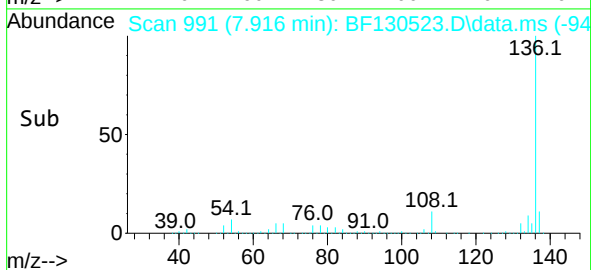
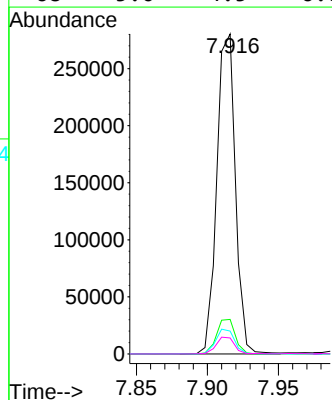
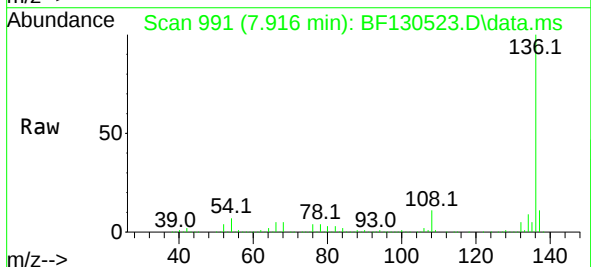
Instrument :
BNA_F
ClientSampleId :
MW-5R

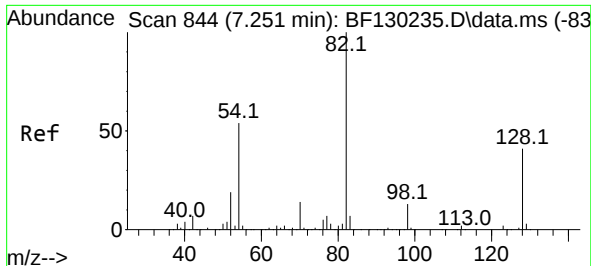
Tgt Ion: 99 Resp: 262649
Ion Ratio Lower Upper
99 100
42 18.3 17.0 25.6
71 36.6 32.3 48.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.916 min Scan# 991
Delta R.T. -0.012 min
Lab File: BF130523.D
Acq: 04 Oct 2022 17:45

Tgt Ion: 136 Resp: 254782
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 7.2 7.1 10.7
68 5.0 4.5 6.7

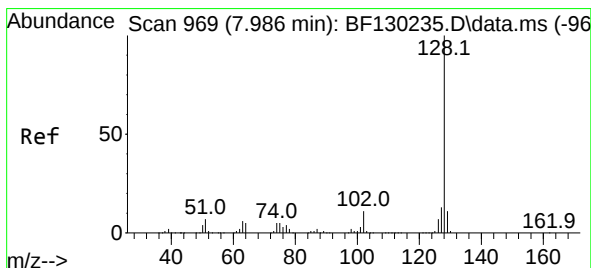
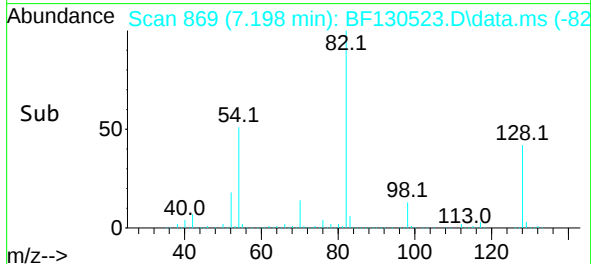
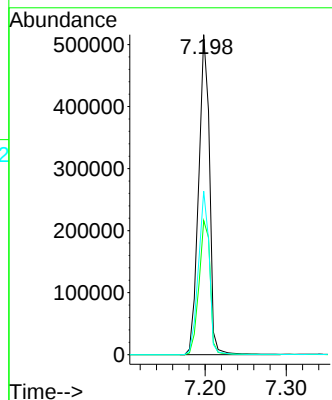
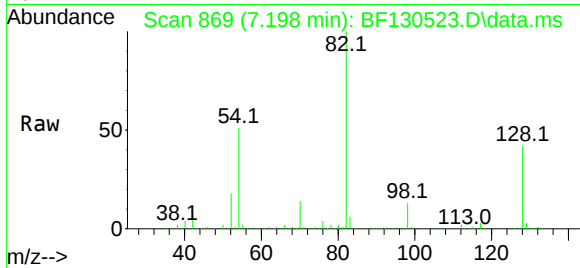




#23
Nitrobenzene-d5
Concen: 96.799 ng
RT: 7.198 min Scan# 80
Delta R.T. -0.018 min
Lab File: BF130523.D
Acq: 04 Oct 2022 17:45

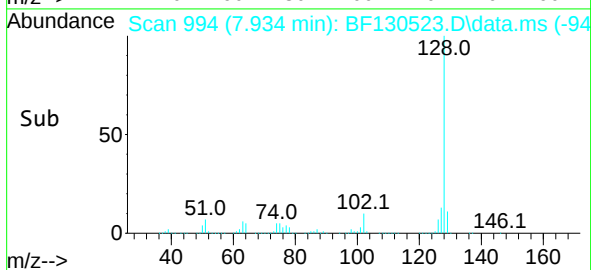
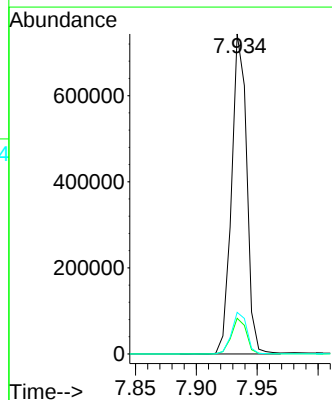
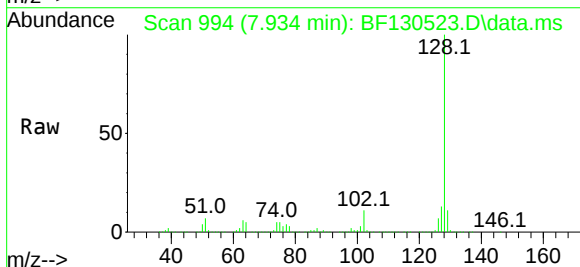
Instrument :
BNA_F
ClientSampleId :
MW-5R

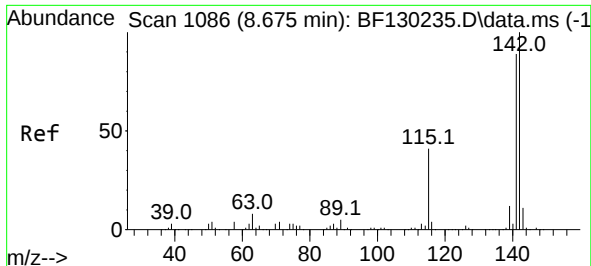
Tgt Ion: 82 Resp: 482742
Ion Ratio Lower Upper
82 100
128 41.9 32.6 49.0
54 51.1 43.8 65.6



#31
Naphthalene
Concen: 49.080 ng
RT: 7.934 min Scan# 994
Delta R.T. -0.018 min
Lab File: BF130523.D
Acq: 04 Oct 2022 17:45

Tgt Ion: 128 Resp: 644231
Ion Ratio Lower Upper
128 100
129 11.1 9.1 13.7
127 13.0 10.6 16.0





#37

2-Methylnaphthalene

Concen: 4.143 ng

RT: 8.628 min Scan# 1112

Delta R.T. -0.012 min

Lab File: BF130523.D

Acq: 04 Oct 2022 17:45

Instrument :

BNA_F

ClientSampleId :

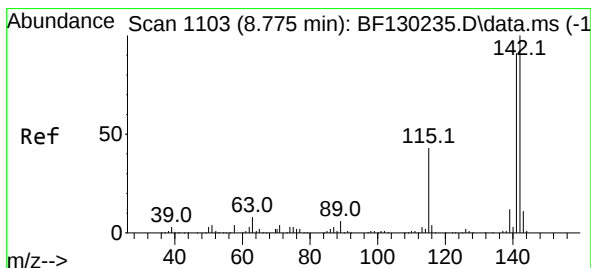
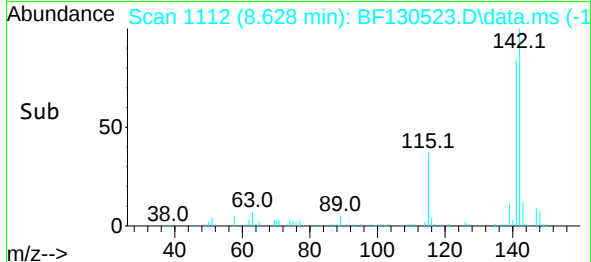
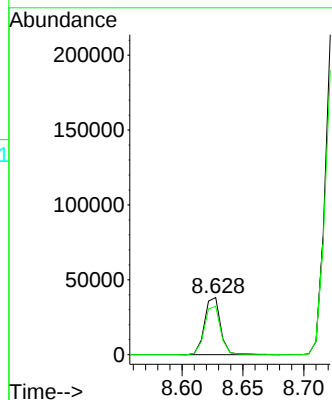
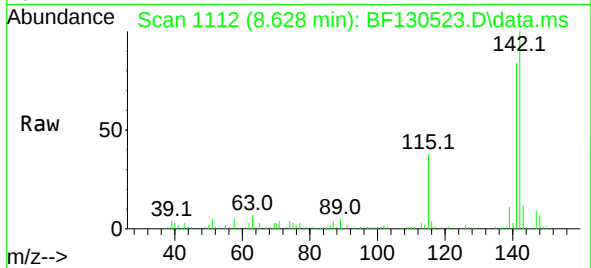
MW-5R

Tgt Ion:142 Resp: 34672

Ion Ratio Lower Upper

142 100

141 84.5 70.0 105.0



#38

1-Methylnaphthalene

Concen: 21.203 ng

RT: 8.722 min Scan# 1128

Delta R.T. -0.018 min

Lab File: BF130523.D

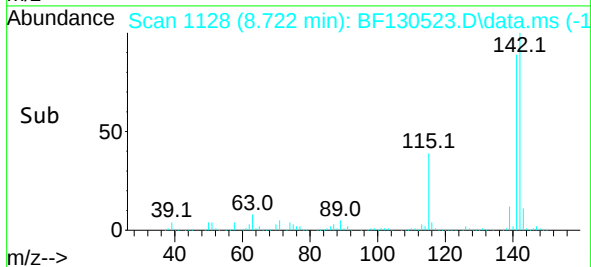
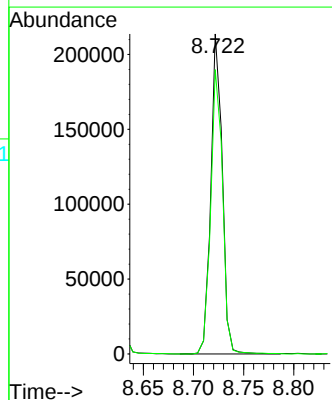
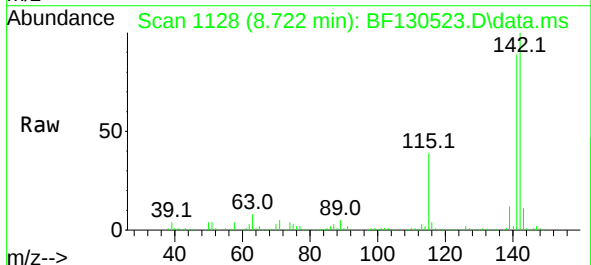
Acq: 04 Oct 2022 17:45

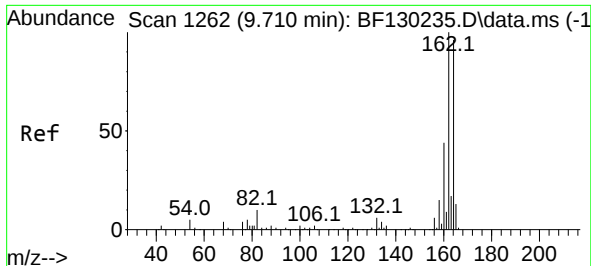
Tgt Ion:142 Resp: 170464

Ion Ratio Lower Upper

142 100

141 88.8 73.8 110.8

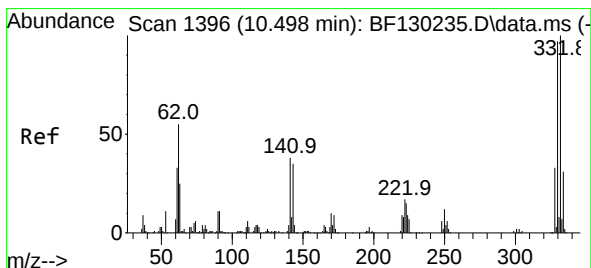
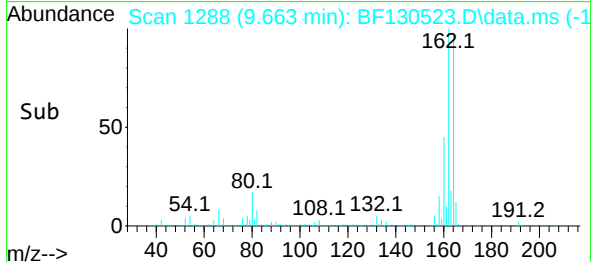
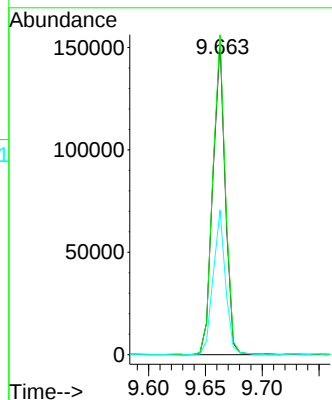
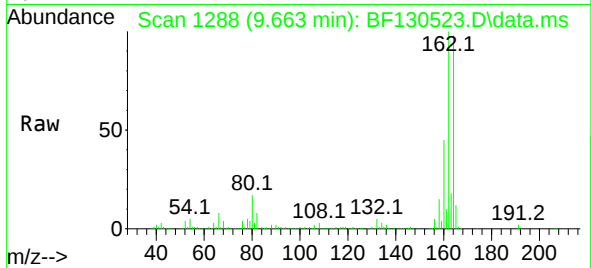




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.663 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF130523.D
Acq: 04 Oct 2022 17:45

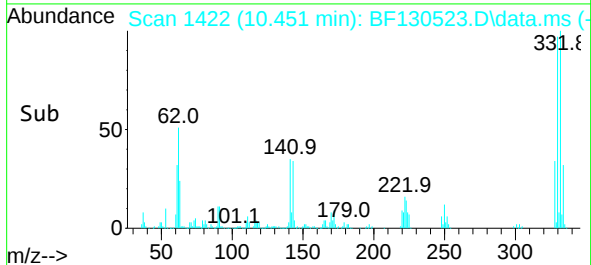
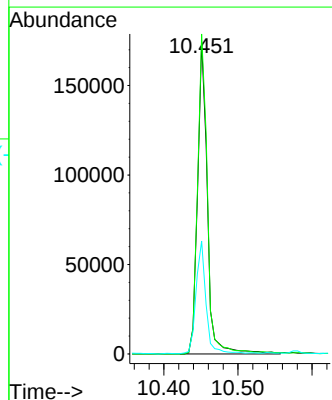
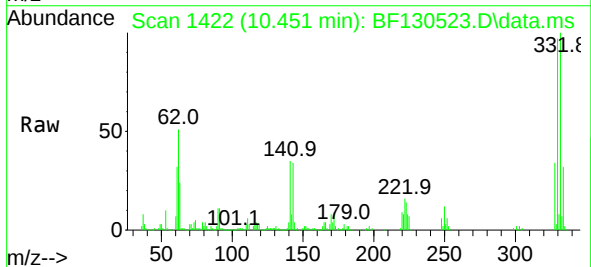
Instrument :
BNA_F
ClientSampleId :
MW-5R

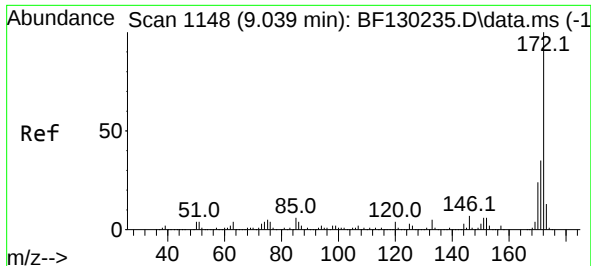
Tgt Ion:164 Resp: 116560
Ion Ratio Lower Upper
164 100
162 102.0 81.4 122.0
160 46.1 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 143.224 ng
RT: 10.451 min Scan# 1422
Delta R.T. -0.018 min
Lab File: BF130523.D
Acq: 04 Oct 2022 17:45

Tgt Ion:330 Resp: 159962
Ion Ratio Lower Upper
330 100
332 102.2 83.4 125.2
141 36.4 34.0 51.0





#45

2-Fluorobiphenyl

Concen: 97.954 ng

RT: 8.992 min Scan# 1148

Delta R.T. -0.018 min

Lab File: BF130523.D

Acq: 04 Oct 2022 17:45

Instrument :

BNA_F

ClientSampleId :

MW-5R

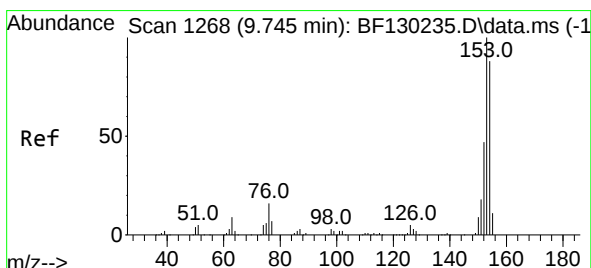
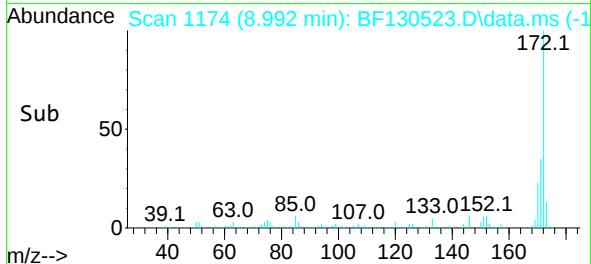
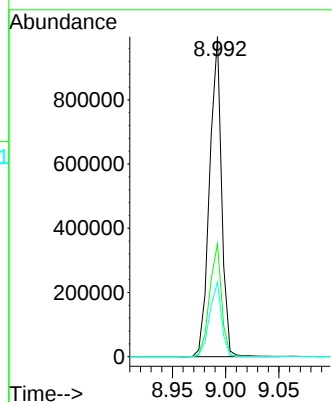
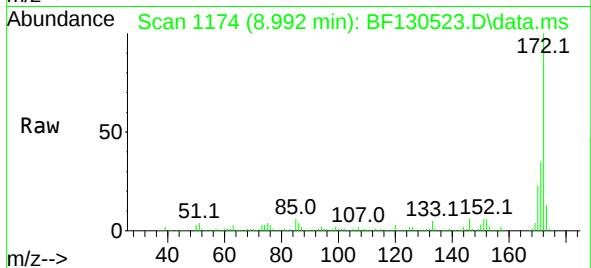
Tgt Ion:172 Resp: 784064

Ion Ratio Lower Upper

172 100

171 35.3 28.3 42.5

170 23.2 18.7 28.1



#52

Acenaphthene

Concen: 21.377 ng

RT: 9.692 min Scan# 1293

Delta R.T. -0.024 min

Lab File: BF130523.D

Acq: 04 Oct 2022 17:45

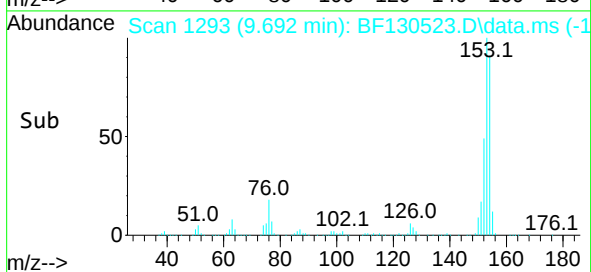
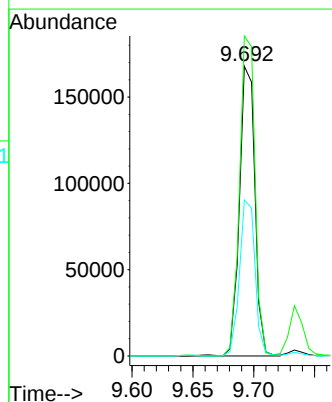
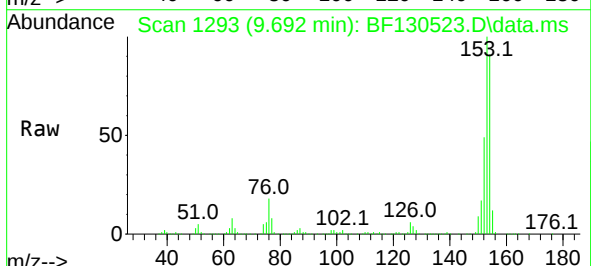
Tgt Ion:154 Resp: 148298

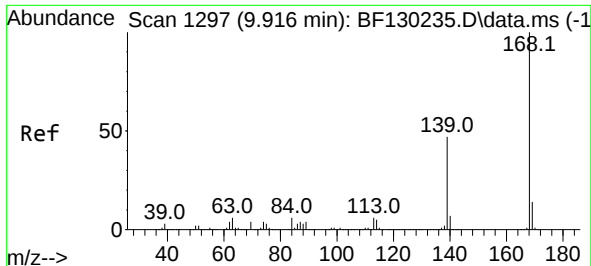
Ion Ratio Lower Upper

154 100

153 110.4 90.6 136.0

152 53.8 43.8 65.6

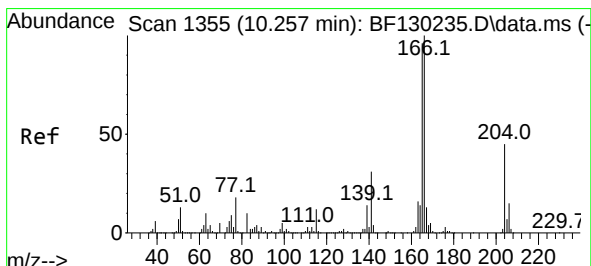
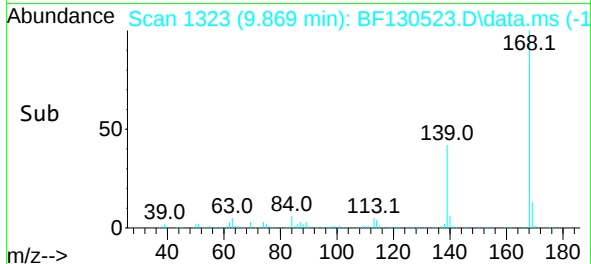
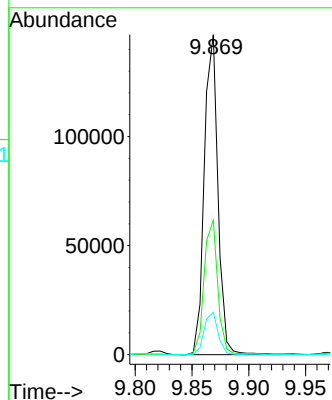
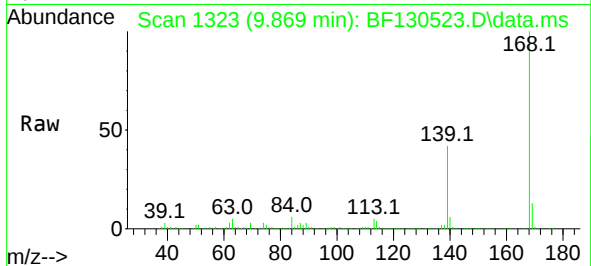




#55
Dibenzenofuran
Concen: 12.710 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF130523.D
Acq: 04 Oct 2022 17:45

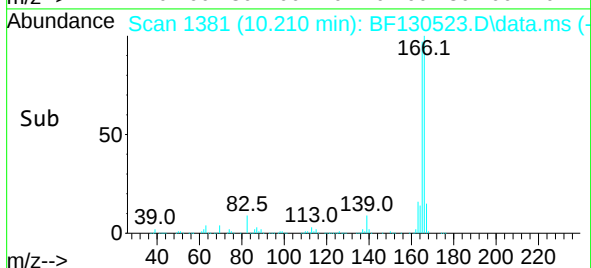
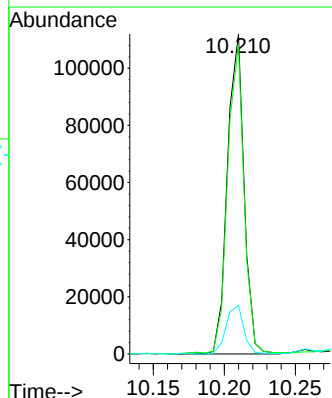
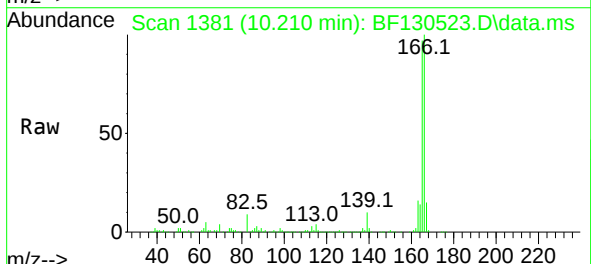
Instrument :
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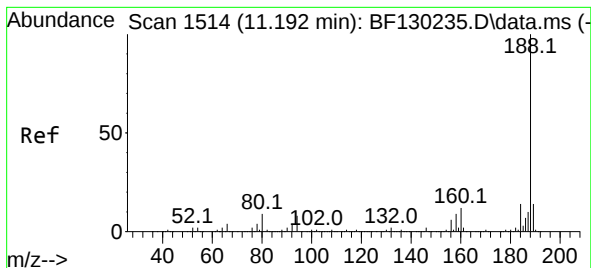
Tgt Ion:168 Resp: 122636
Ion Ratio Lower Upper
168 100
139 42.0 35.0 52.4
169 13.2 10.9 16.3



#58
Fluorene
Concen: 11.529 ng
RT: 10.210 min Scan# 1381
Delta R.T. -0.018 min
Lab File: BF130523.D
Acq: 04 Oct 2022 17:45

Tgt Ion:166 Resp: 90976
Ion Ratio Lower Upper
166 100
165 96.7 78.8 118.2
167 15.2 10.6 15.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.145 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF130523.D

Acq: 04 Oct 2022 17:45

Instrument :

BNA_F

ClientSampleId :

MW-5R

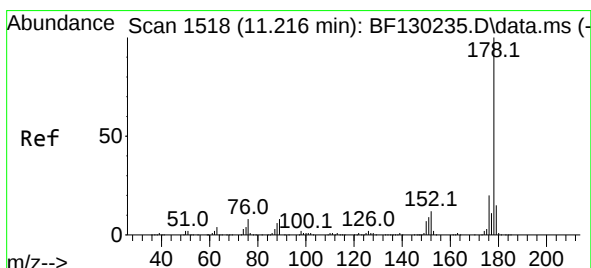
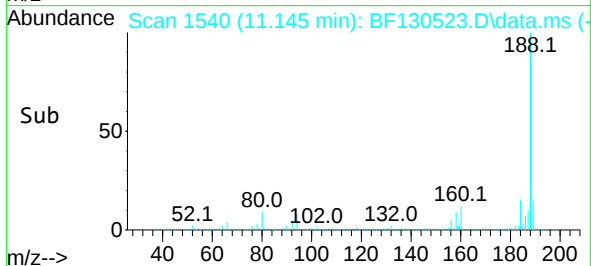
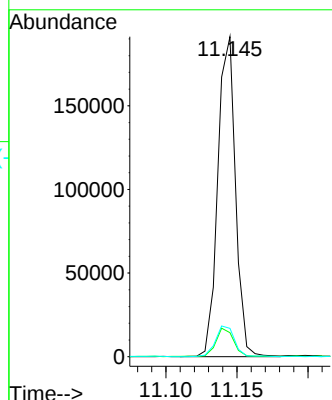
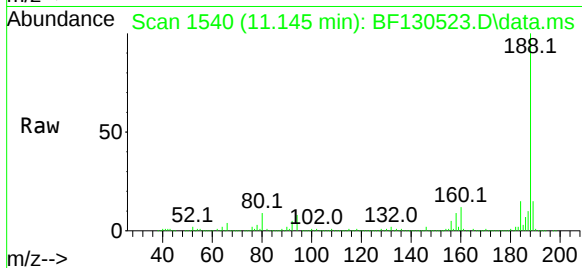
Tgt Ion:188 Resp: 165826

Ion Ratio Lower Upper

188 100

94 7.5 7.4 11.2

80 8.9 7.9 11.9



#71

Phenanthrene

Concen: 7.494 ng

RT: 11.169 min Scan# 1544

Delta R.T. -0.018 min

Lab File: BF130523.D

Acq: 04 Oct 2022 17:45

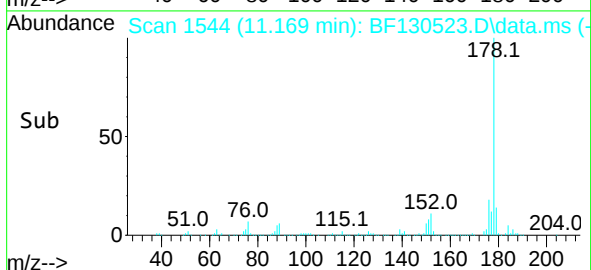
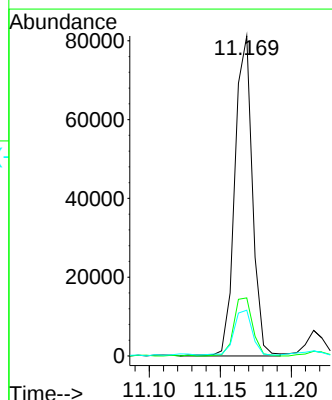
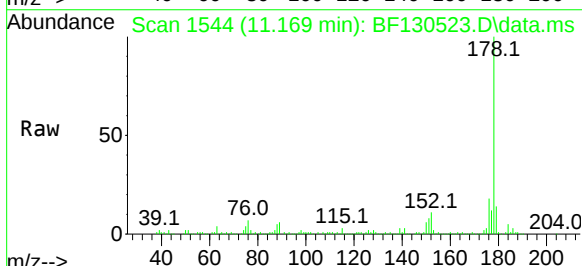
Tgt Ion:178 Resp: 69774

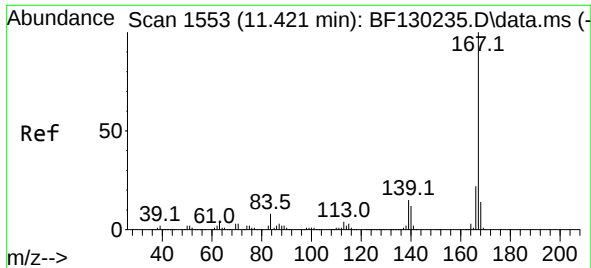
Ion Ratio Lower Upper

178 100

176 18.1 15.4 23.0

179 14.3 12.4 18.6

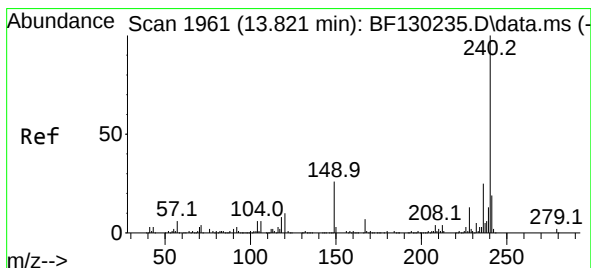
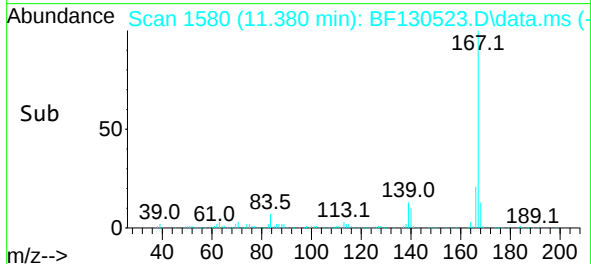
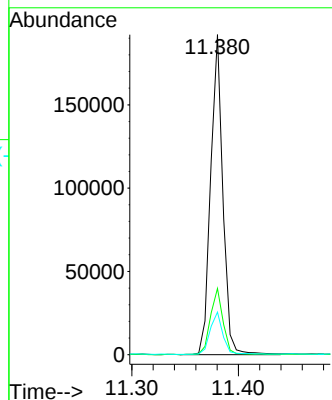
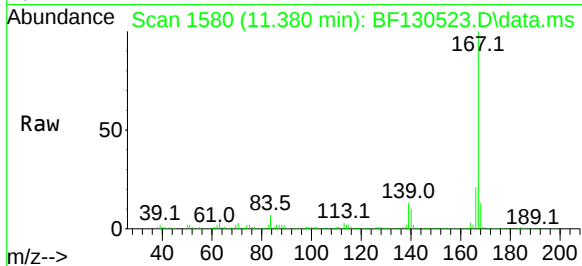




#73
 Carbazole
 Concen: 18.893 ng
 RT: 11.380 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF130523.D
 Acq: 04 Oct 2022 17:45

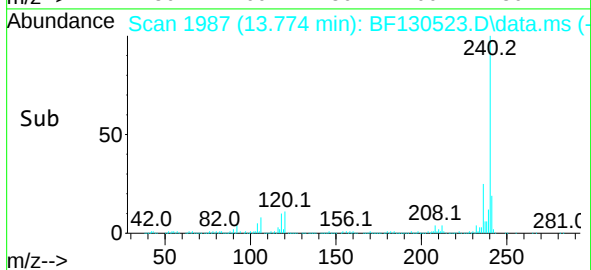
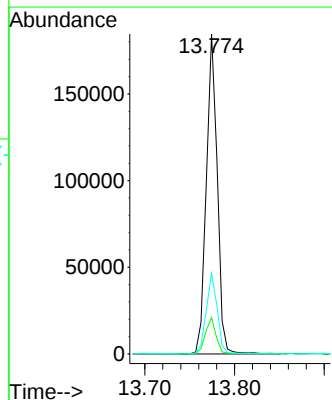
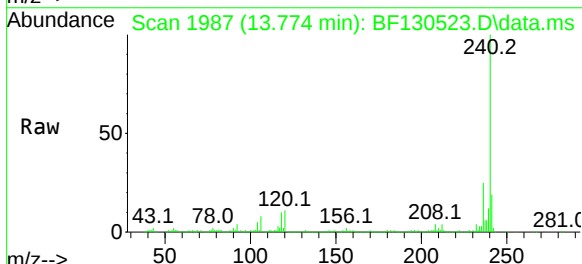
Instrument :
 BNA_F
 ClientSampleId :
 MW-5R

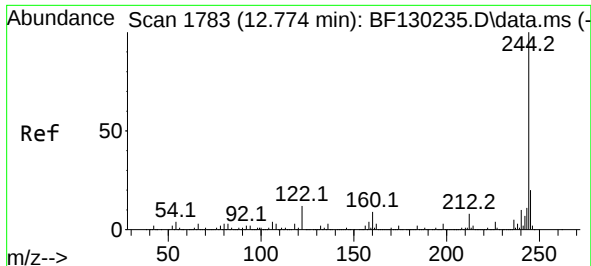
Tgt Ion:167 Resp: 153192
 Ion Ratio Lower Upper
 167 100
 166 20.7 17.4 26.2
 139 13.3 11.6 17.4



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.774 min Scan# 1987
 Delta R.T. -0.018 min
 Lab File: BF130523.D
 Acq: 04 Oct 2022 17:45

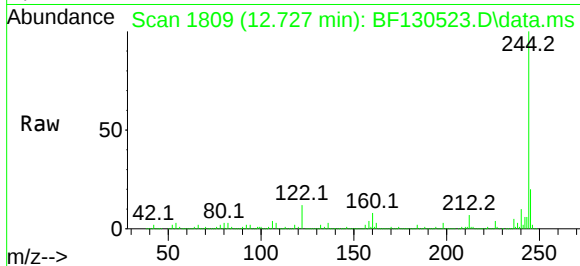
Tgt Ion:240 Resp: 156550
 Ion Ratio Lower Upper
 240 100
 120 11.4 8.7 13.1
 236 25.2 20.9 31.3



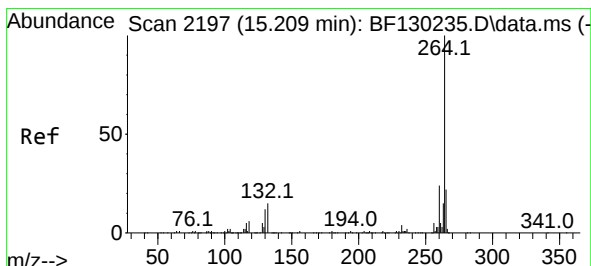
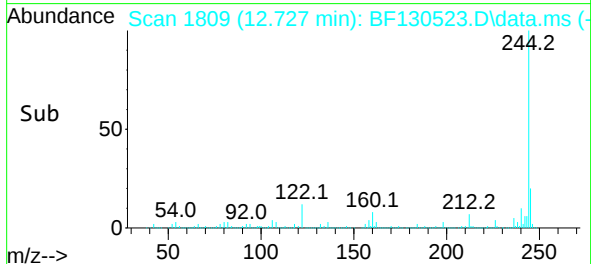
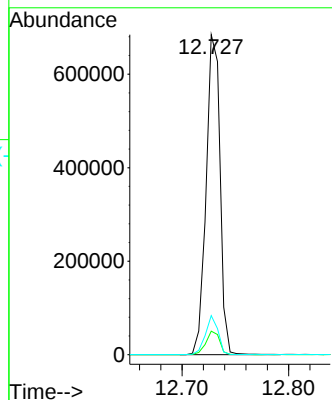


#79
 Terphenyl-d14
 Concen: 65.945 ng
 RT: 12.727 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF130523.D
 Acq: 04 Oct 2022 17:45

Instrument :
 BNA_F
 ClientSampleId :
 MW-5R



Tgt Ion:244 Resp: 623223
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.9 8.9
 122 12.2 8.5 12.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.162 min Scan# 2223
 Delta R.T. -0.012 min
 Lab File: BF130523.D
 Acq: 04 Oct 2022 17:45

Tgt Ion:264 Resp: 190743
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.3 28.9
 265 21.7 17.0 25.4

