

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
 Data File : BF133177.D
 Acq On : 02 May 2023 02:28
 Operator : CG\JU
 Sample : 02522-03DL2 50X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-12DL2

Quant Time: May 02 05:26:04 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 01 15:02:31 2023
 Response via : Initial Calibration

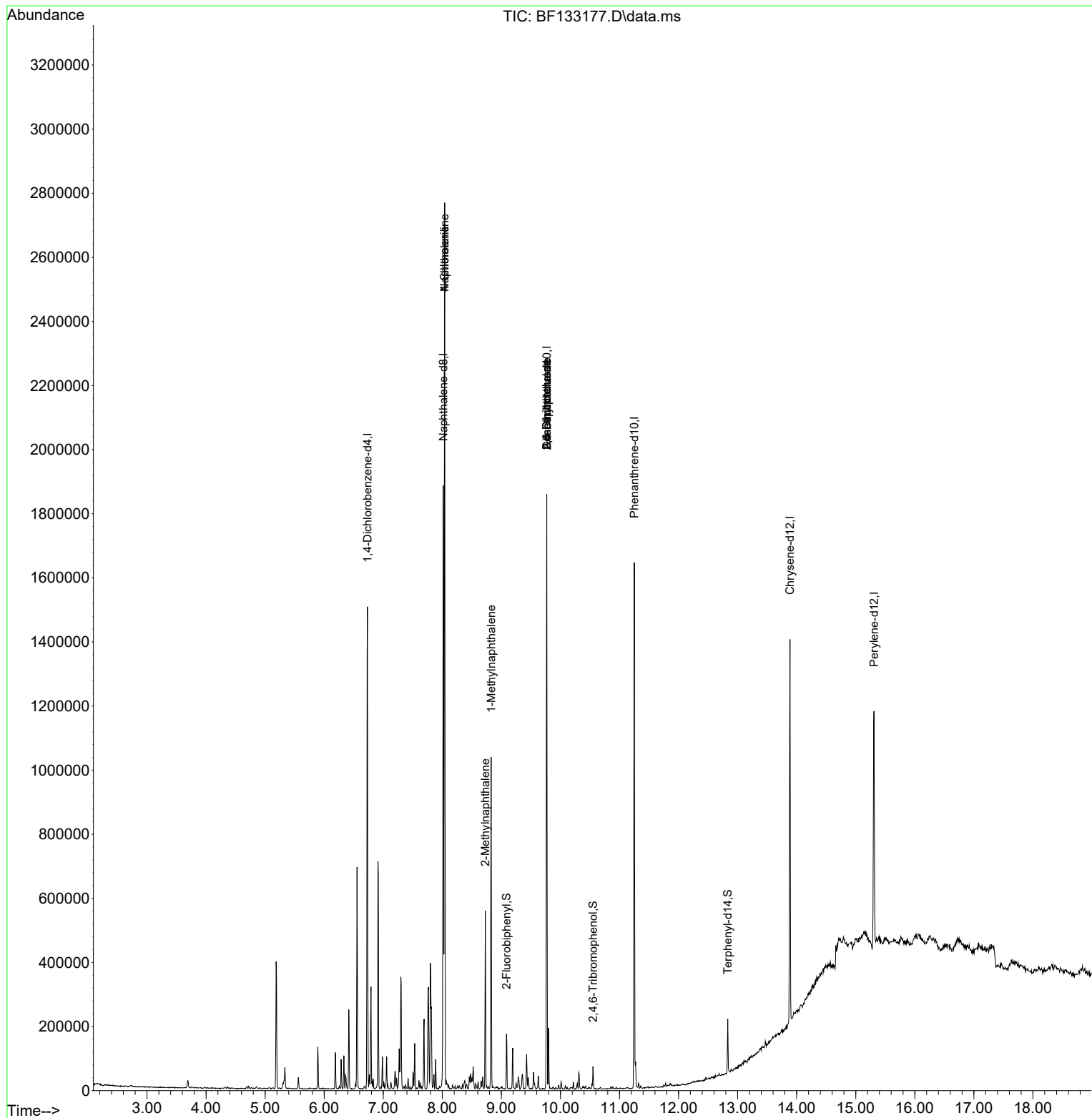
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	221265	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	749735	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	336441	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	548573	20.000	ng	0.00
76) Chrysene-d12	13.886	240	371971	20.000	ng	0.00
86) Perylene-d12	15.310	264	324200	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	17511	1.196	ng	0.00
7) Phenol-d6	6.363	99	13453	0.740	ng	-0.01
23) Nitrobenzene-d5	7.287	82	25514	1.837	ng	-0.02
42) 2,4,6-Tribromophenol	10.551	330	7373	2.179	ng	-0.01
45) 2-Fluorobiphenyl	9.086	172	48146	2.394	ng	-0.01
79) Terphenyl-d14	12.833	244	50279	2.331	ng	0.00
Target Compounds						
9) Benzaldehyde	6.287	77	3944	Below Cal	Qvalue	# 1
31) Naphthalene	8.039	128	1029848	27.474	ng	99
33) 4-Chloroaniline	8.039	127	133946	8.844	ng	# 31
37) 2-Methylnaphthalene	8.728	142	126749	4.946	ng	95
38) 1-Methylnaphthalene	8.828	142	241247	10.063	ng	100
50) Dimethylphthalate	9.769	163	68369	2.914	ng	# 1
51) 2,6-Dinitrotoluene	9.769	165	43712	8.279	ng	# 25
57) 2,4-Dinitrotoluene	9.769	165	43712	6.492	ng	# 23

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

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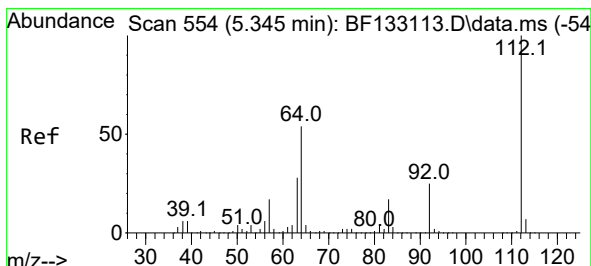
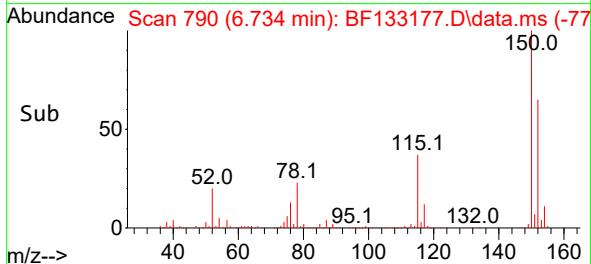
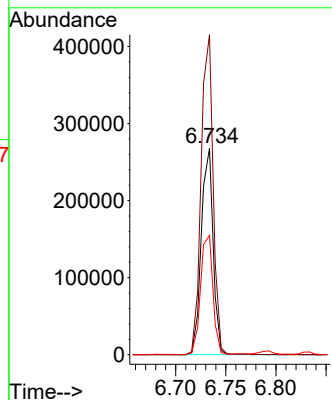
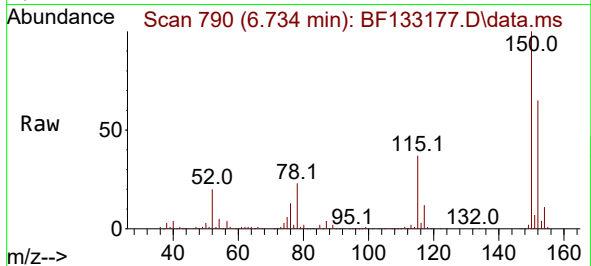




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 791
Delta R.T. 0.001 min
Lab File: BF133177.D
Acq: 02 May 2023 02:28

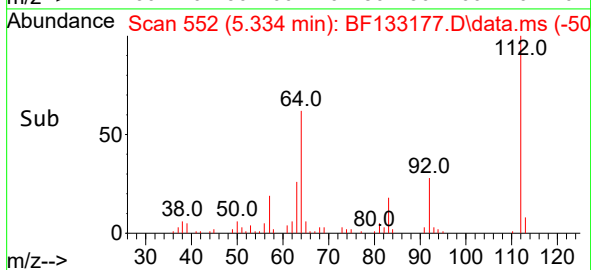
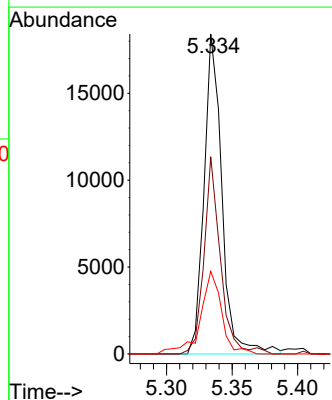
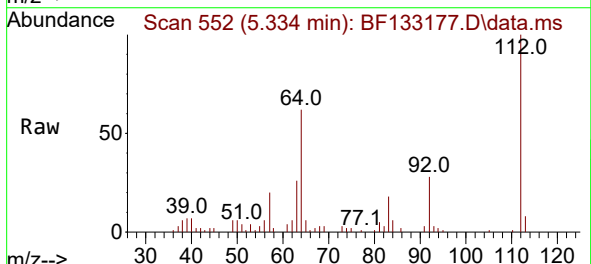
Instrument :
BNA_F
ClientSampleId :
MW-12DL2

Tgt Ion:152 Resp: 221265
Ion Ratio Lower Upper
152 100
150 155.0 124.8 187.2
115 57.8 49.9 74.9



#5
2-Fluorophenol
Concen: 1.196 ng
RT: 5.334 min Scan# 552
Delta R.T. -0.006 min
Lab File: BF133177.D
Acq: 02 May 2023 02:28

Tgt Ion:112 Resp: 17511
Ion Ratio Lower Upper
112 100
64 61.6 46.8 70.2
63 25.8 23.8 35.8

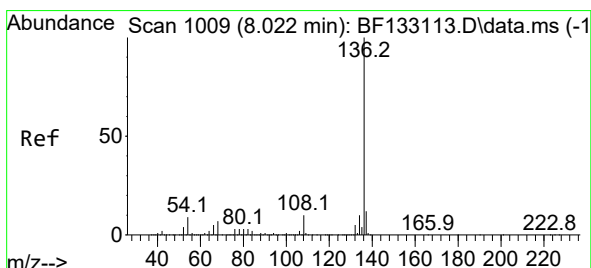
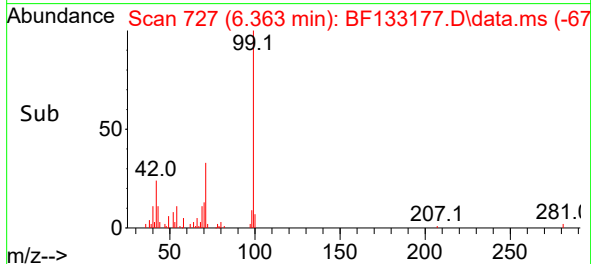
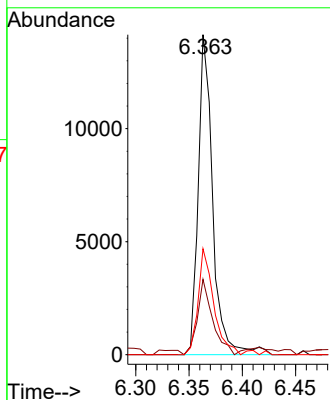
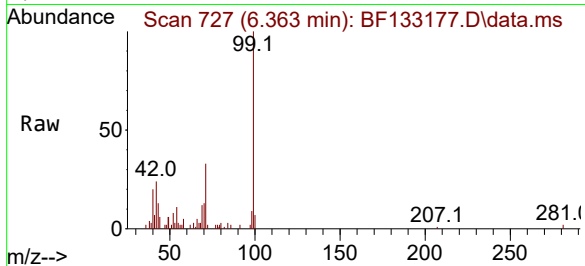




#7
Phenol-d6
Concen: 0.740 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133177.D
Acq: 02 May 2023 02:28

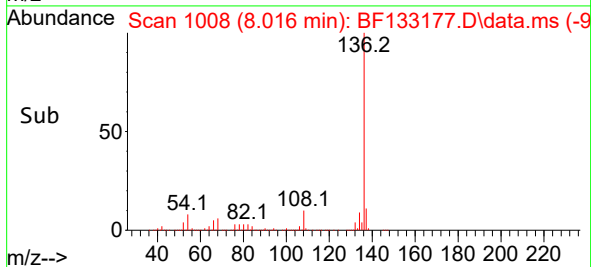
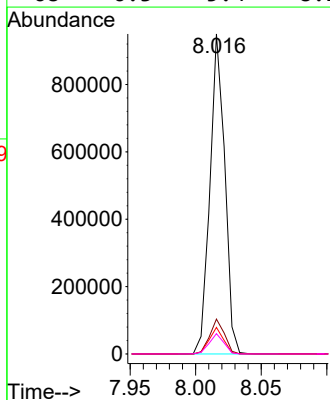
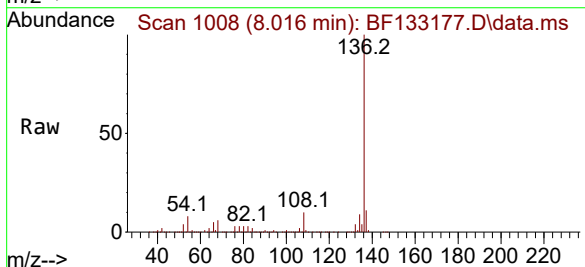
Instrument :
BNA_F
ClientSampleId :
MW-12DL2

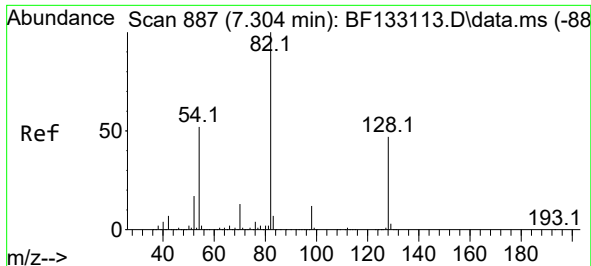
Tgt Ion: 99 Resp: 13453
Ion Ratio Lower Upper
99 100
42 23.6 16.3 24.5
71 33.1 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF133177.D
Acq: 02 May 2023 02:28

Tgt Ion: 136 Resp: 749735
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.3 7.0 10.4
68 6.3 5.4 8.2





#23

Nitrobenzene-d5

Concen: 1.837 ng

RT: 7.287 min Scan# 81

Delta R.T. -0.018 min

Lab File: BF133177.D

Acq: 02 May 2023 02:28

Instrument :

BNA_F

ClientSampleId :

MW-12DL2

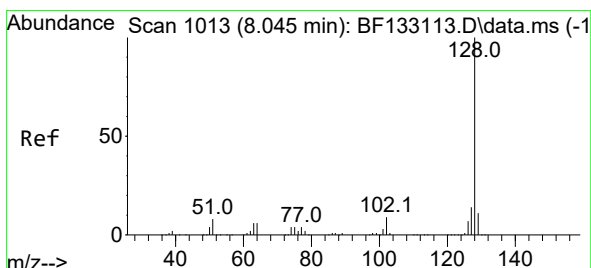
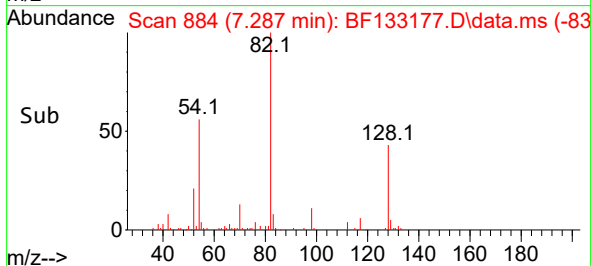
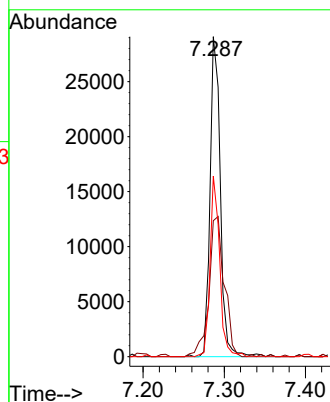
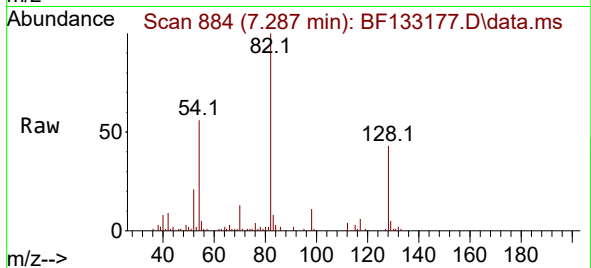
Tgt Ion: 82 Resp: 25514

Ion Ratio Lower Upper

82 100

128 42.5 37.7 56.5

54 56.5 43.0 64.4



#31

Naphthalene

Concen: 27.474 ng

RT: 8.039 min Scan# 1012

Delta R.T. 0.000 min

Lab File: BF133177.D

Acq: 02 May 2023 02:28

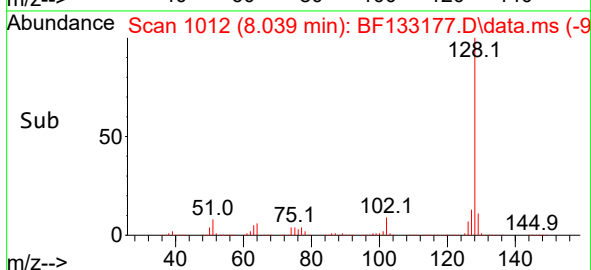
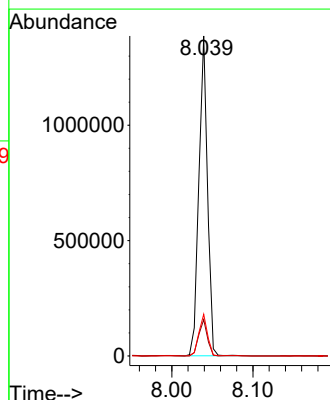
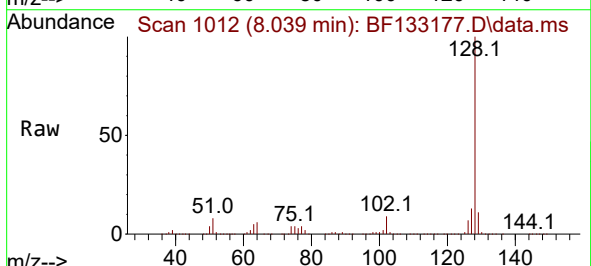
Tgt Ion:128 Resp: 1029848

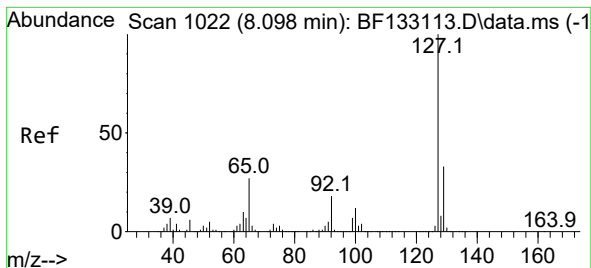
Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

127 13.1 10.7 16.1





#33

4-Chloroaniline

Concen: 8.844 ng

RT: 8.039 min Scan# 1

Delta R.T. -0.053 min

Lab File: BF133177.D

Acq: 02 May 2023 02:28

Instrument :

BNA_F

ClientSampleId :

MW-12DL2

Tgt Ion:127 Resp: 133946

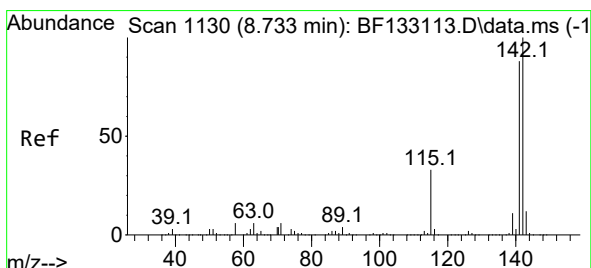
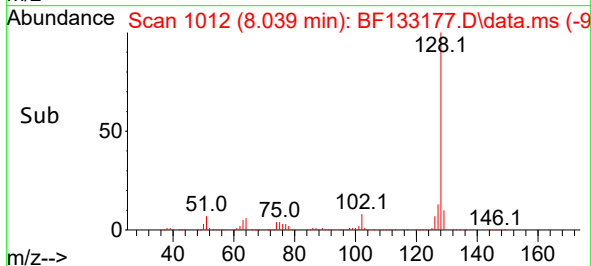
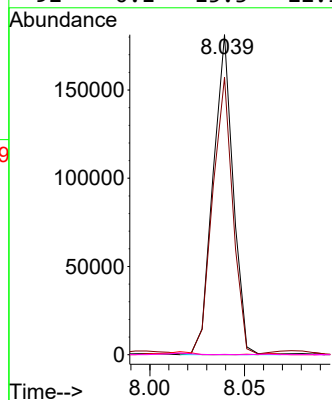
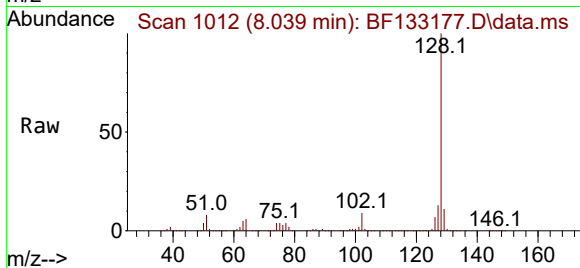
Ion Ratio Lower Upper

127 100

129 86.6 25.8 38.8#

65 0.0 23.6 35.4#

92 0.1 15.3 22.9#



#37

2-Methylnaphthalene

Concen: 4.946 ng

RT: 8.728 min Scan# 1129

Delta R.T. -0.006 min

Lab File: BF133177.D

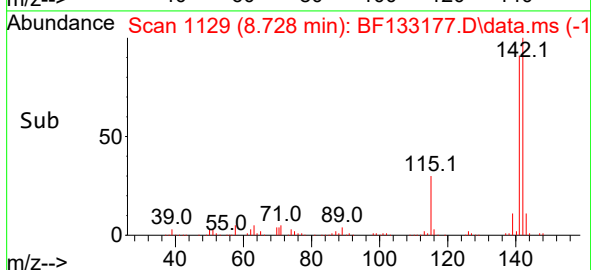
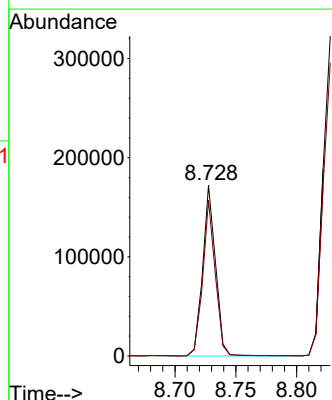
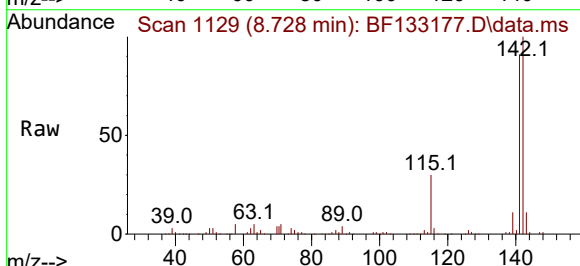
Acq: 02 May 2023 02:28

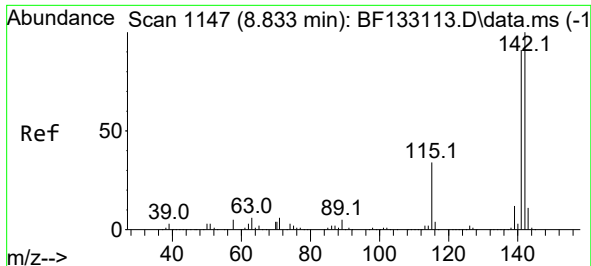
Tgt Ion:142 Resp: 126749

Ion Ratio Lower Upper

142 100

141 91.0 69.4 104.0





#38

1-Methylnaphthalene

Concen: 10.063 ng

RT: 8.828 min Scan# 1146

Delta R.T. 0.000 min

Lab File: BF133177.D

Acq: 02 May 2023 02:28

Instrument :

BNA_F

ClientSampleId :

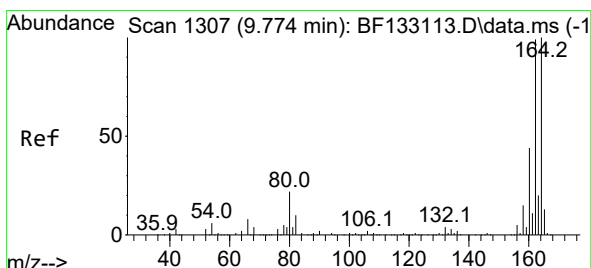
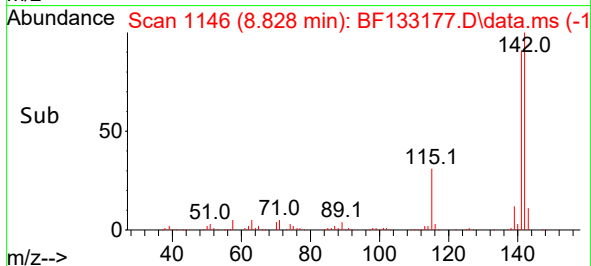
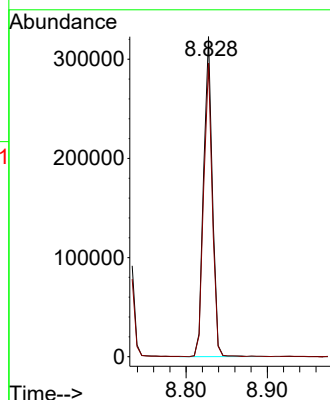
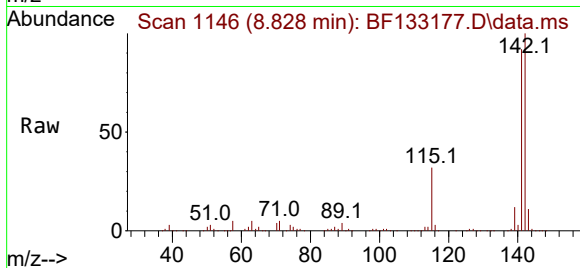
MW-12DL2

Tgt Ion:142 Resp: 241247

Ion Ratio Lower Upper

142 100

141 91.7 73.1 109.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.769 min Scan# 1306

Delta R.T. 0.000 min

Lab File: BF133177.D

Acq: 02 May 2023 02:28

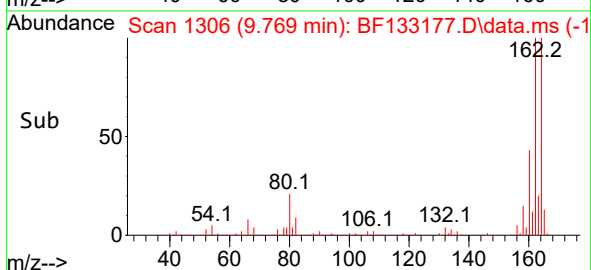
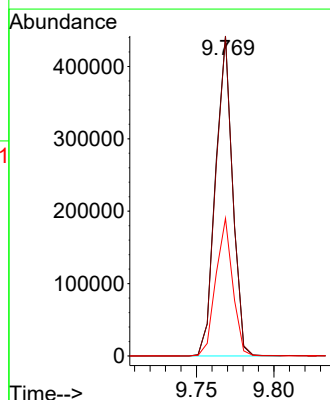
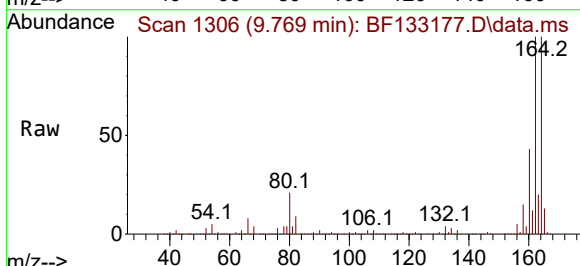
Tgt Ion:164 Resp: 336441

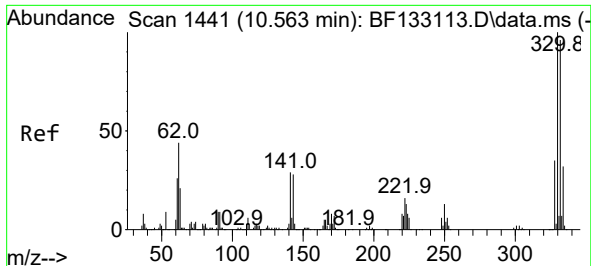
Ion Ratio Lower Upper

164 100

162 100.0 78.7 118.1

160 43.0 35.8 53.6

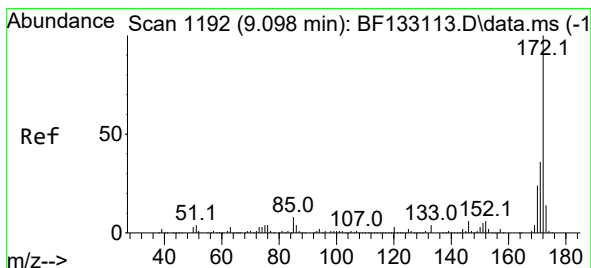
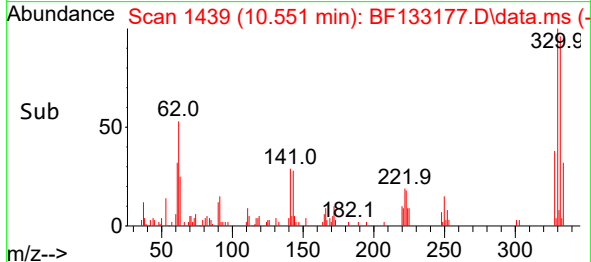
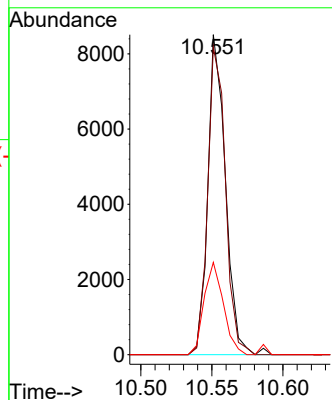
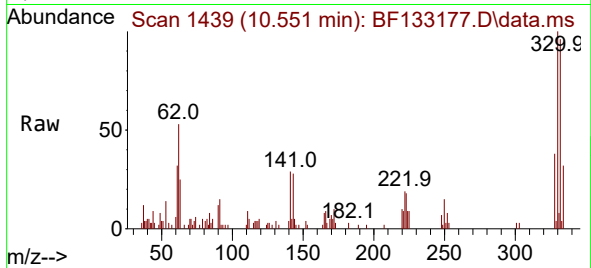




#42
2,4,6-Tribromophenol
Concen: 2.179 ng
RT: 10.551 min Scan# 1441
Delta R.T. -0.012 min
Lab File: BF133177.D
Acq: 02 May 2023 02:28

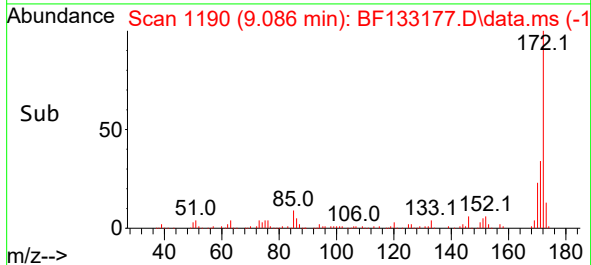
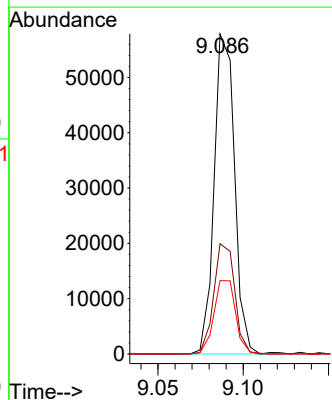
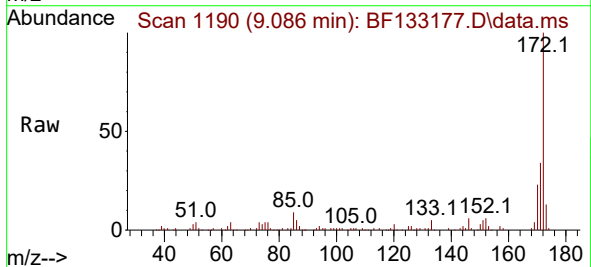
Instrument :
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MW-12DL2

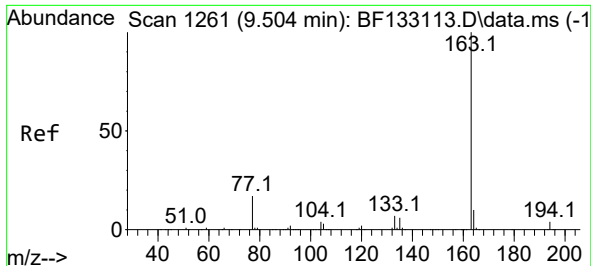
Tgt Ion: 330 Resp: 7373
Ion Ratio Lower Upper
330 100
332 96.9 77.1 115.7
141 31.6 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 2.394 ng
RT: 9.086 min Scan# 1190
Delta R.T. -0.012 min
Lab File: BF133177.D
Acq: 02 May 2023 02:28

Tgt Ion: 172 Resp: 48146
Ion Ratio Lower Upper
172 100
171 34.5 28.8 43.2
170 22.9 19.4 29.2

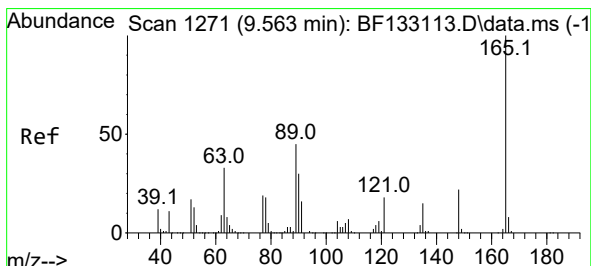
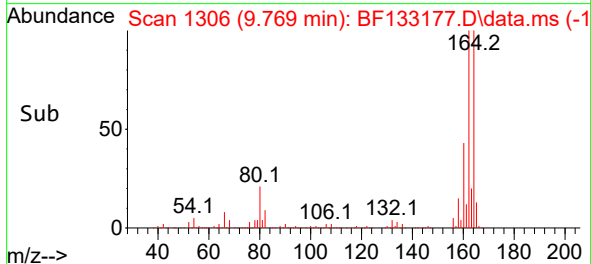
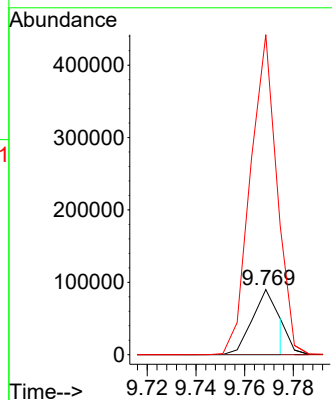
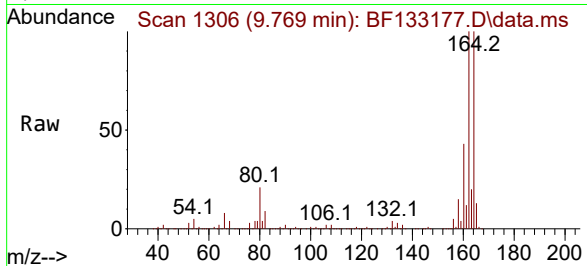




#50
Dimethylphthalate
Concen: 2.914 ng
RT: 9.769 min Scan# 1306
Delta R.T. 0.271 min
Lab File: BF133177.D
Acq: 02 May 2023 02:28

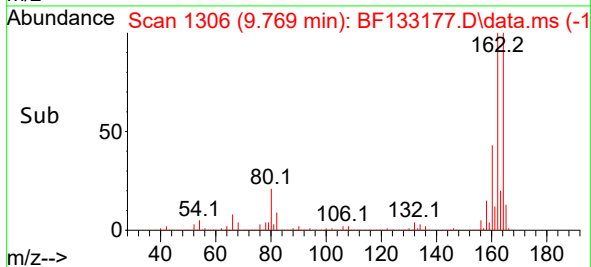
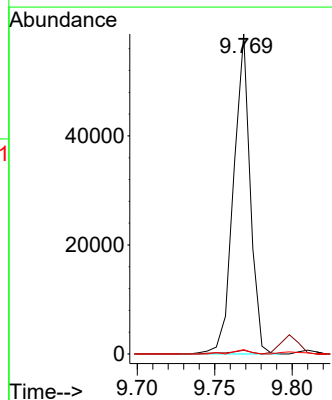
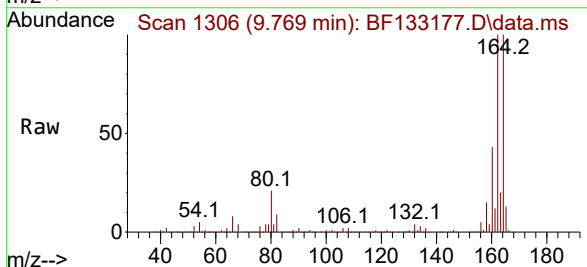
Instrument :
BNA_F
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MW-12DL2

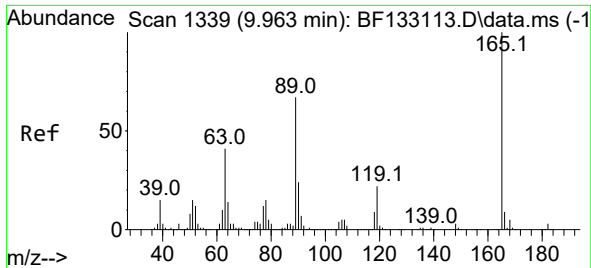
Tgt Ion:163 Resp: 68369
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 491.8 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 8.279 ng
RT: 9.769 min Scan# 1306
Delta R.T. 0.212 min
Lab File: BF133177.D
Acq: 02 May 2023 02:28

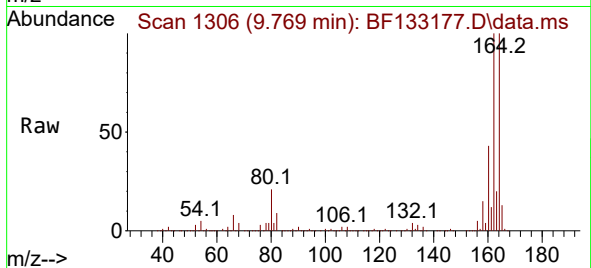
Tgt Ion:165 Resp: 43712
Ion Ratio Lower Upper
165 100
63 1.1 45.9 68.9#
89 1.3 44.0 66.0#



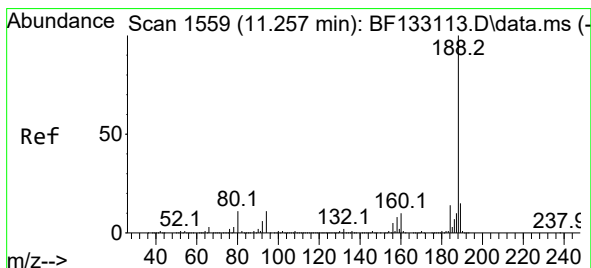
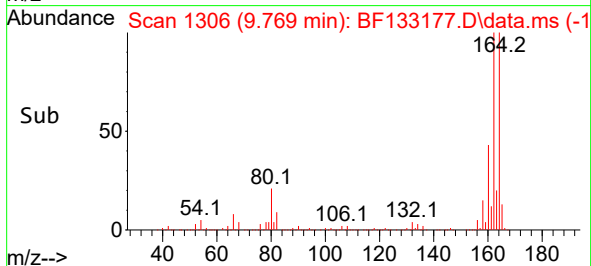
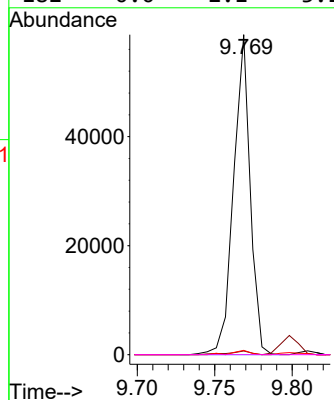


#57
2,4-Dinitrotoluene
Concen: 6.492 ng
RT: 9.769 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF133177.D
Acq: 02 May 2023 02:28

Instrument :
BNA_F
ClientSampleId :
MW-12DL2

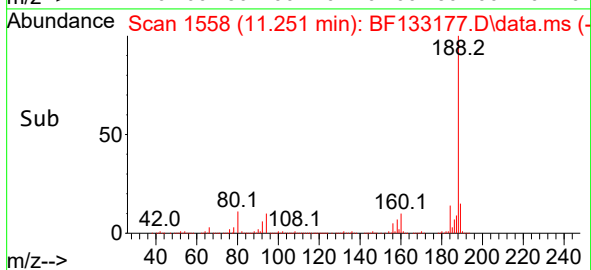
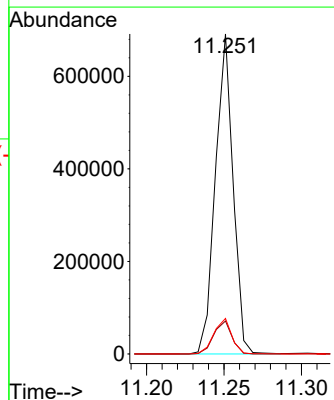
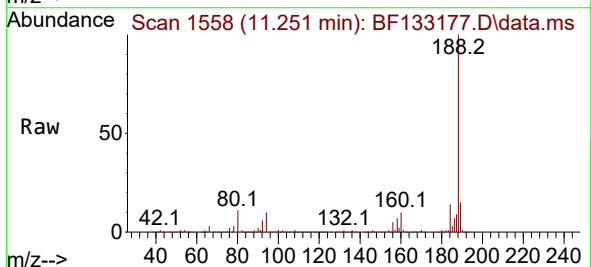


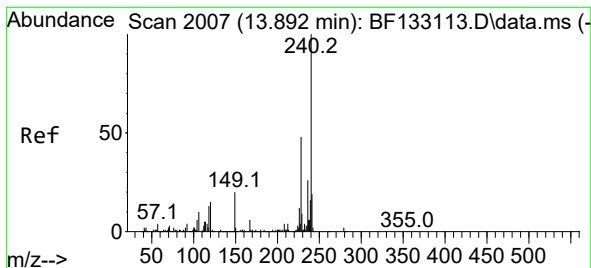
Tgt Ion:165 Resp: 43712
Ion Ratio Lower Upper
165 100
63 1.1 37.7 56.5#
89 1.3 57.0 85.4#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.251 min Scan# 1558
Delta R.T. 0.000 min
Lab File: BF133177.D
Acq: 02 May 2023 02:28

Tgt Ion:188 Resp: 548573
Ion Ratio Lower Upper
188 100
94 10.3 9.7 14.5
80 11.1 10.4 15.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.886 min Scan# 2007

Delta R.T. -0.006 min

Lab File: BF133177.D

Acq: 02 May 2023 02:28

Instrument :

BNA_F

ClientSampleId :

MW-12DL2

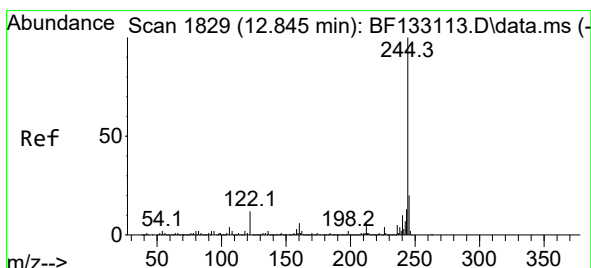
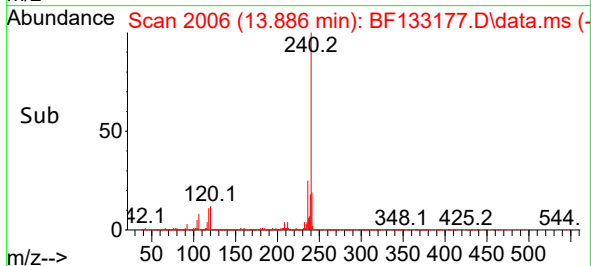
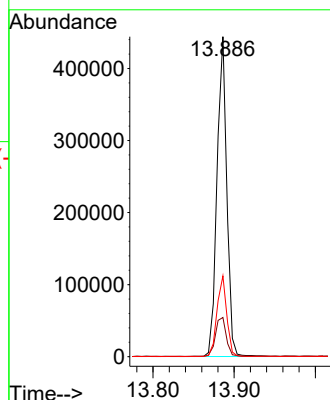
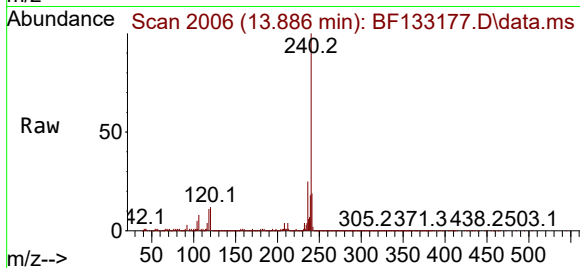
Tgt Ion:240 Resp: 371971

Ion Ratio Lower Upper

240 100

120 12.3 10.5 15.7

236 25.3 21.5 32.3



#79

Terphenyl-d14

Concen: 2.331 ng

RT: 12.833 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF133177.D

Acq: 02 May 2023 02:28

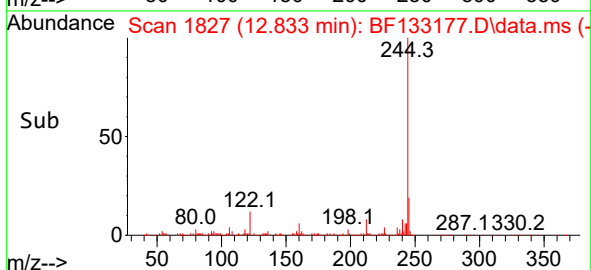
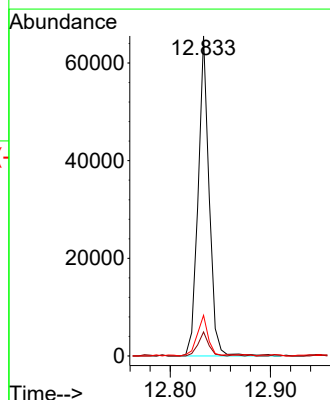
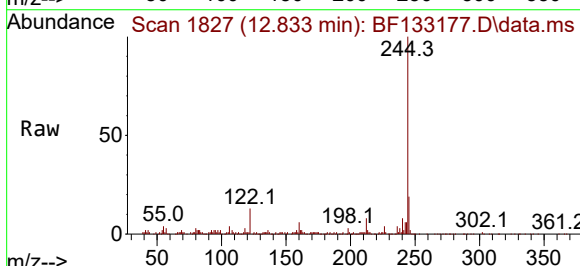
Tgt Ion:244 Resp: 50279

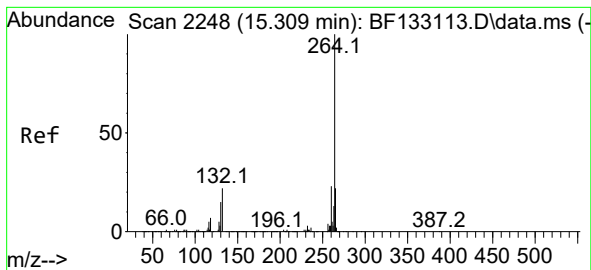
Ion Ratio Lower Upper

244 100

212 7.5 5.1 7.7

122 12.7 8.6 13.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.310 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF133177.D
 Acq: 02 May 2023 02:28

Instrument :
 BNA_F
 ClientSampleId :
 MW-12DL2

Tgt Ion:264 Resp: 324200
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.8 28.2
 265 20.7 17.0 25.4

