

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042823\
 Data File : BF133137.D
 Acq On : 28 Apr 2023 23:30
 Operator : CG\JU
 Sample : 02522-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-4

Quant Time: May 01 03:09:27 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 03:03:04 2023
 Response via : Initial Calibration

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

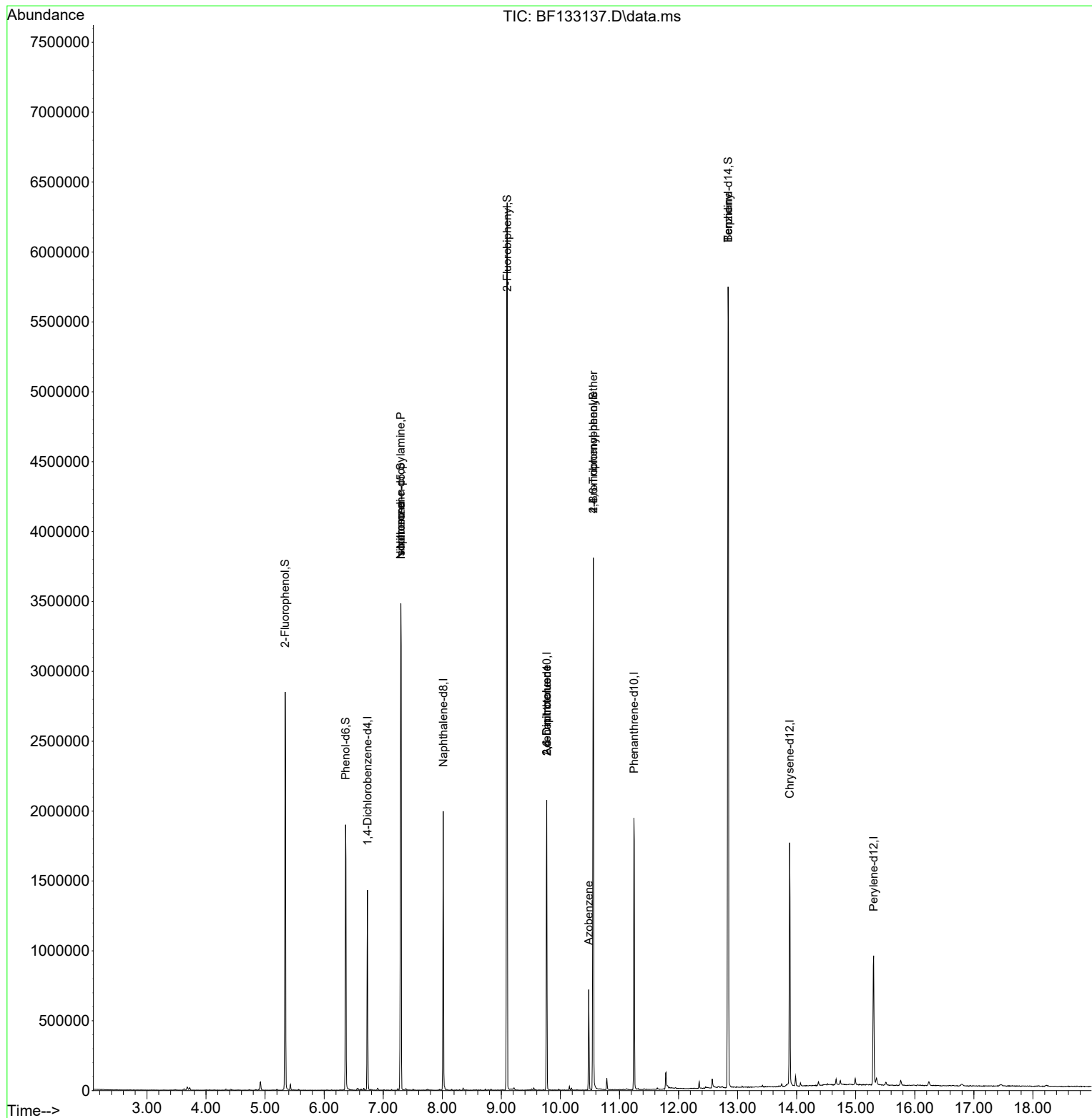
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	184998	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	757628	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	385315	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	716456	20.000	ng	0.00
76) Chrysene-d12	13.880	240	532206	20.000	ng	-0.01
86) Perylene-d12	15.304	264	407506	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	799077	65.249	ng	0.00
7) Phenol-d6	6.363	99	607106	39.940	ng	-0.02
23) Nitrobenzene-d5	7.298	82	1248312	88.935	ng	0.00
42) 2,4,6-Tribromophenol	10.557	330	511357	131.960	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	2016194	87.541	ng	0.00
79) Terphenyl-d14	12.839	244	2450063	79.397	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.281	77	579	Below Cal		94
19) n-Nitroso-di-n-propyla...	7.298	70	165022	17.438 ng	#	78
25) Isophorone	7.298	82	1245474	46.735 ng	#	63
51) 2,6-Dinitrotoluene	9.769	165	49694	8.218 ng	#	25
57) 2,4-Dinitrotoluene	9.769	165	49694	6.444 ng	#	23
63) Azobenzene	10.481	77	112636	4.190 ng	#	1
67) 4-Bromophenyl-phenylether	10.557	248	31077	3.999 ng	#	1
77) Benzidine	12.839	184	29467	3.274 ng	#	90

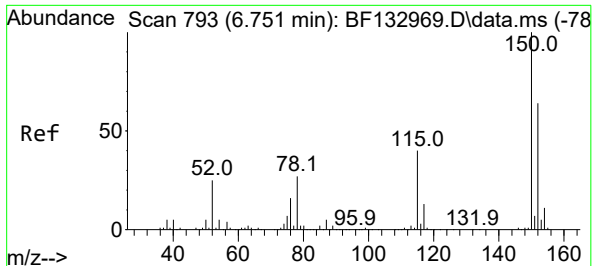
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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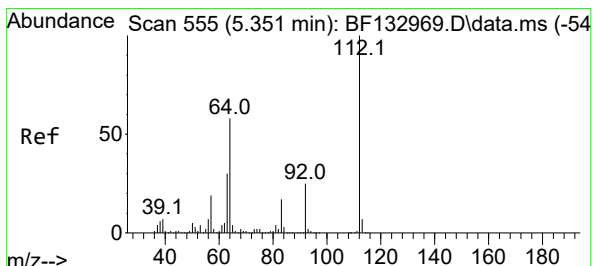
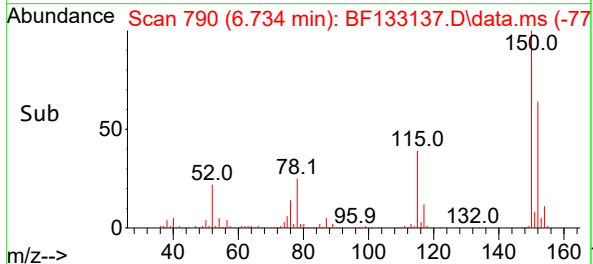
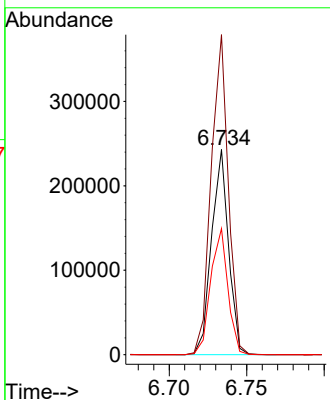
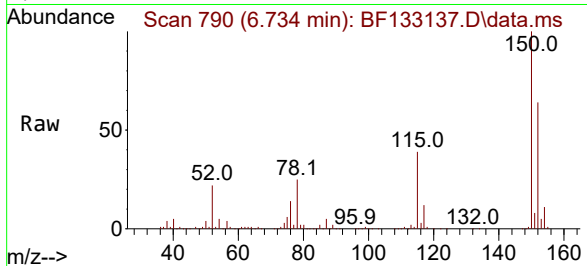




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 793
Delta R.T. -0.005 min
Lab File: BF133137.D
Acq: 28 Apr 2023 23:30

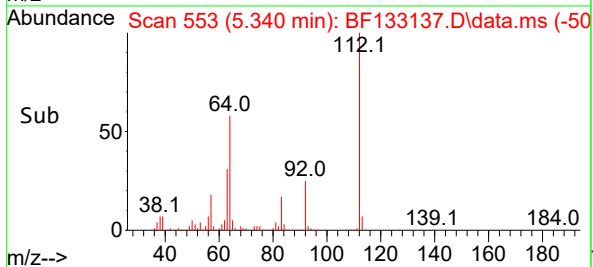
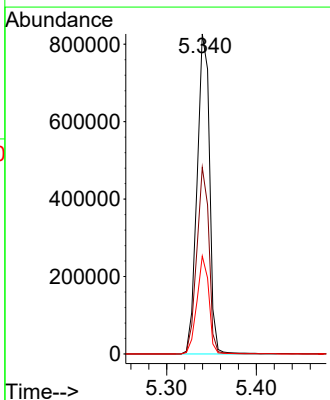
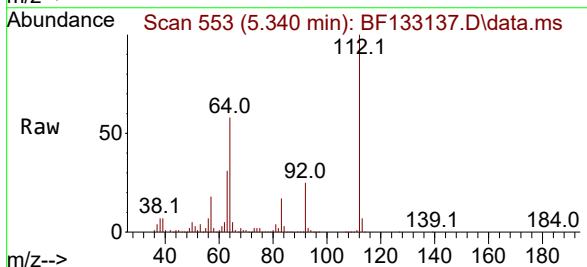
Instrument :
BNA_F
ClientSampleId :
MW-4

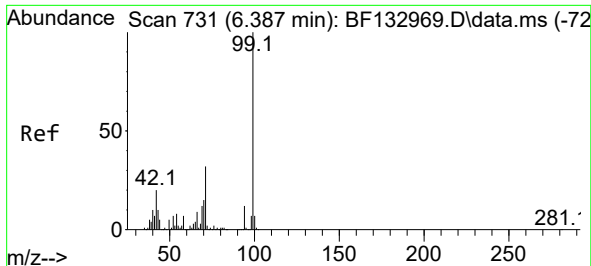
Tgt Ion:152 Resp: 184998
Ion Ratio Lower Upper
152 100
150 156.0 124.8 187.2
115 61.4 49.9 74.9



#5
2-Fluorophenol
Concen: 65.249 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.000 min
Lab File: BF133137.D
Acq: 28 Apr 2023 23:30

Tgt Ion:112 Resp: 799077
Ion Ratio Lower Upper
112 100
64 58.3 46.8 70.2
63 30.6 23.8 35.8

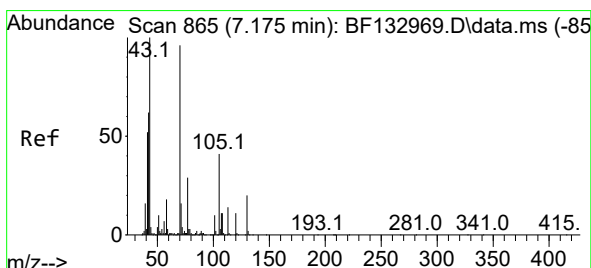
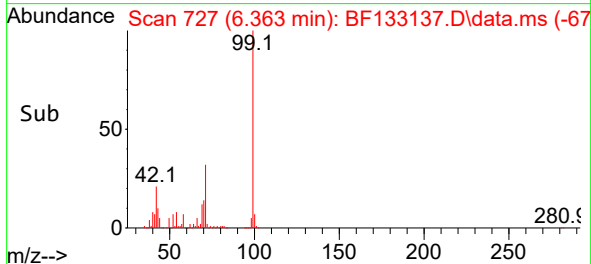
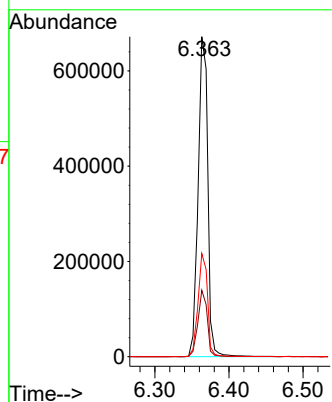
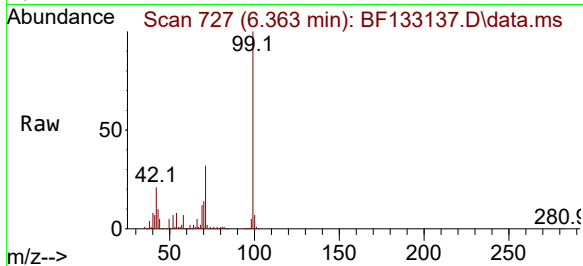




#7
Phenol-d6
Concen: 39.940 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF133137.D
Acq: 28 Apr 2023 23:30

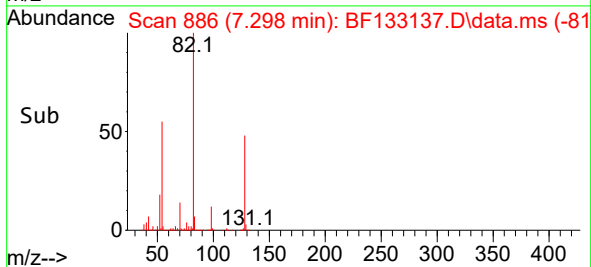
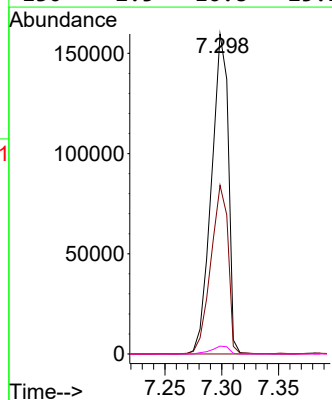
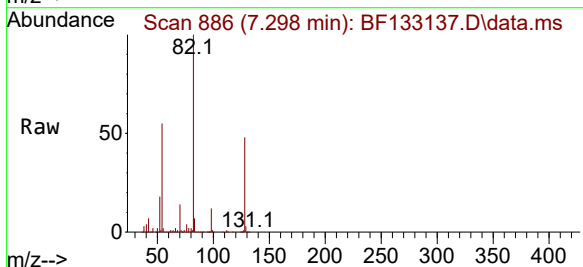
Instrument :
BNA_F
ClientSampleId :
MW-4

Tgt Ion: 99 Resp: 607106
Ion Ratio Lower Upper
99 100
42 20.8 16.3 24.5
71 32.2 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 17.438 ng
RT: 7.298 min Scan# 886
Delta R.T. 0.141 min
Lab File: BF133137.D
Acq: 28 Apr 2023 23:30

Tgt Ion: 70 Resp: 165022
Ion Ratio Lower Upper
70 100
42 52.7 51.8 77.6
101 0.0 8.0 12.0#
130 2.5 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.016 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133137.D

Acq: 28 Apr 2023 23:30

Instrument :

BNA_F

ClientSampleId :

MW-4

Tgt Ion:136 Resp: 757628

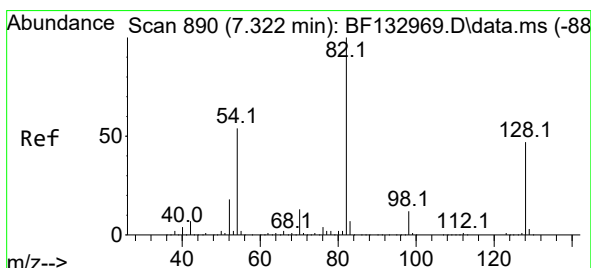
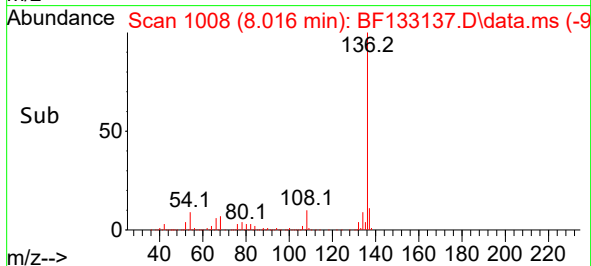
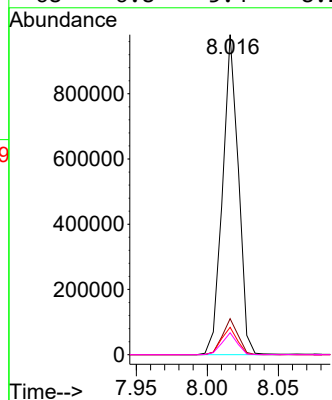
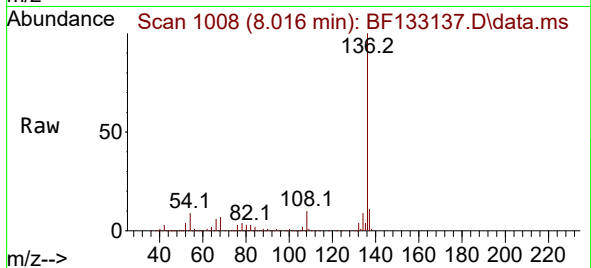
Ion Ratio Lower Upper

136 100

137 11.2 8.6 13.0

54 8.5 7.0 10.4

68 6.8 5.4 8.2



#23

Nitrobenzene-d5

Concen: 88.935 ng

RT: 7.298 min Scan# 886

Delta R.T. -0.006 min

Lab File: BF133137.D

Acq: 28 Apr 2023 23:30

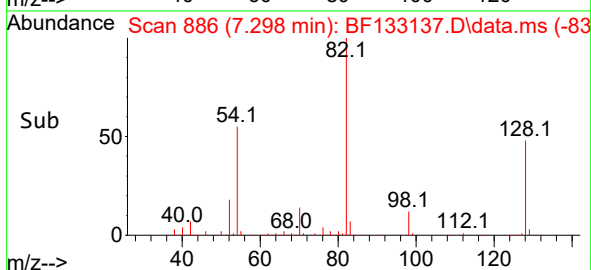
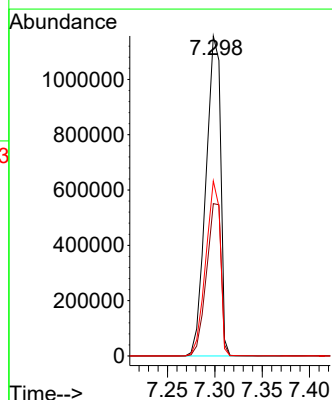
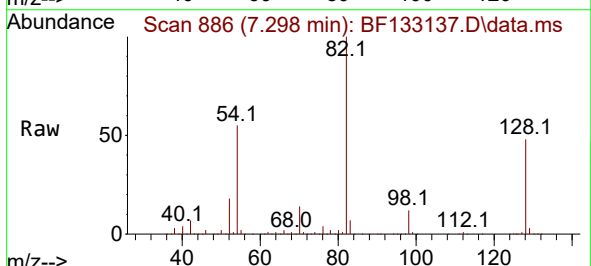
Tgt Ion: 82 Resp: 1248312

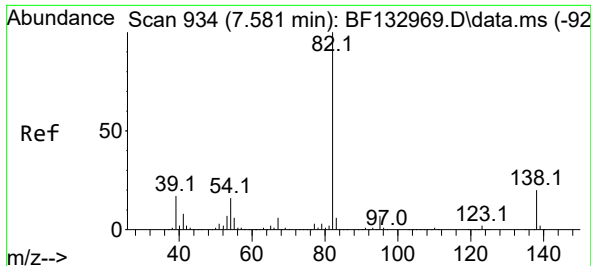
Ion Ratio Lower Upper

82 100

128 47.6 37.7 56.5

54 54.7 43.0 64.4

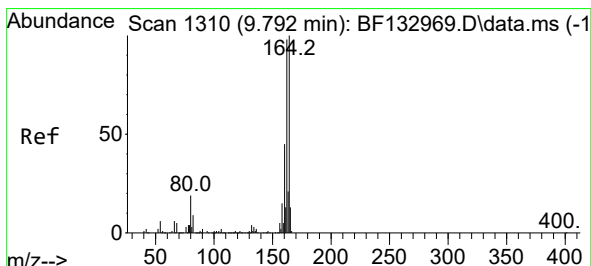
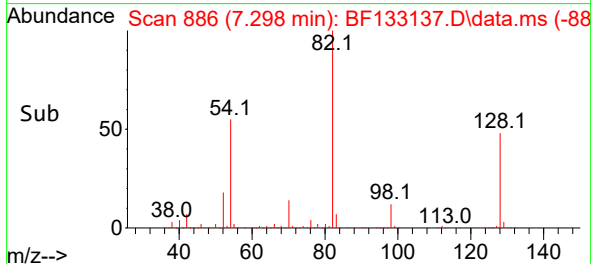
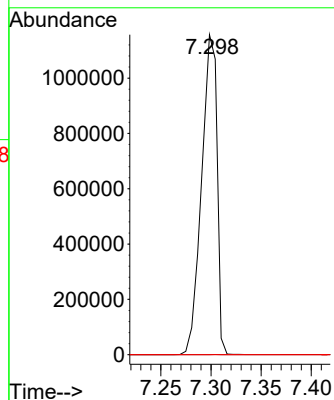
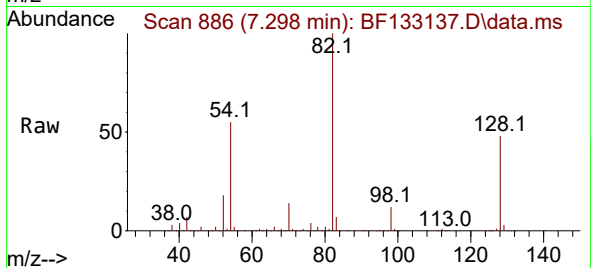




#25
Isophorone
Concen: 46.735 ng
RT: 7.298 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133137.D
Acq: 28 Apr 2023 23:30

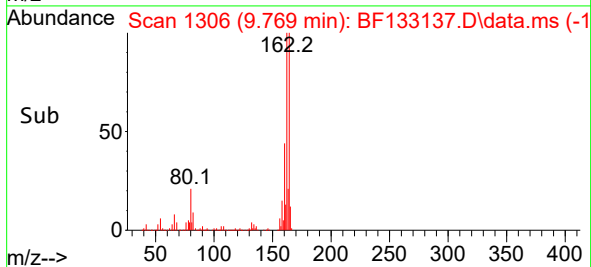
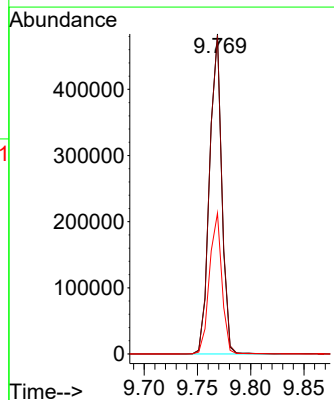
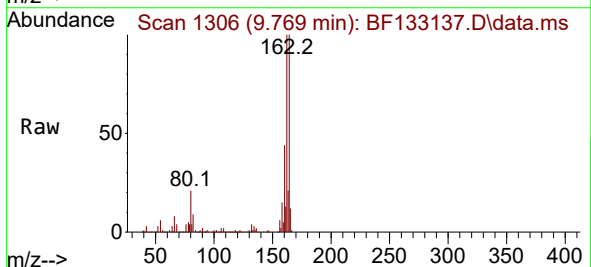
Instrument :
BNA_F
ClientSampleId :
MW-4

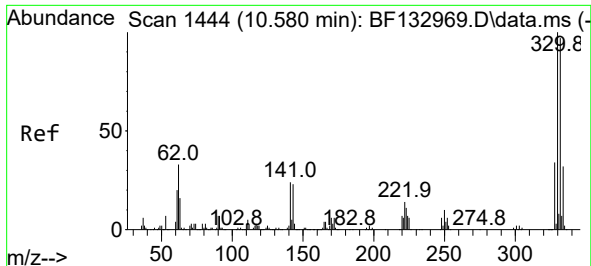
Tgt Ion: 82 Resp: 1245474
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF133137.D
Acq: 28 Apr 2023 23:30

Tgt Ion:164 Resp: 385315
Ion Ratio Lower Upper
164 100
162 99.6 78.7 118.1
160 44.0 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 131.960 ng

RT: 10.557 min Scan# 1440

Delta R.T. -0.006 min

Lab File: BF133137.D

Acq: 28 Apr 2023 23:30

Instrument :

BNA_F

ClientSampleId :

MW-4

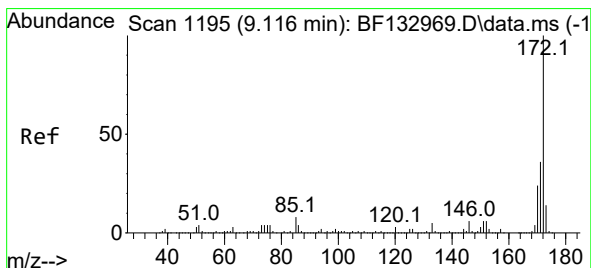
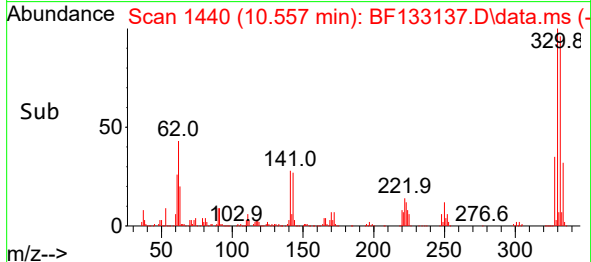
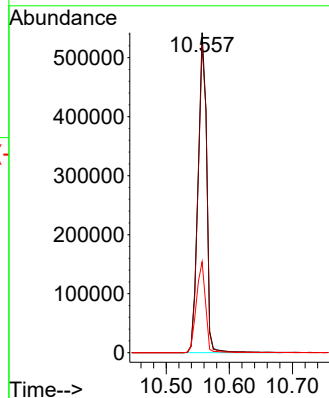
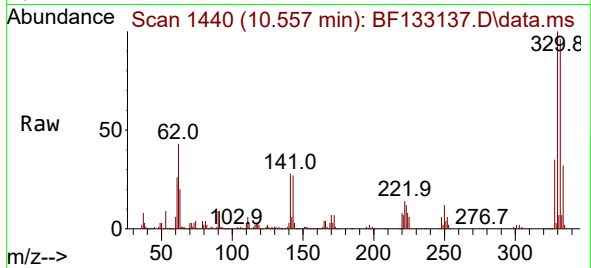
Tgt Ion:330 Resp: 511357

Ion Ratio Lower Upper

330 100

332 97.7 77.1 115.7

141 30.2 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 87.541 ng

RT: 9.098 min Scan# 1192

Delta R.T. 0.000 min

Lab File: BF133137.D

Acq: 28 Apr 2023 23:30

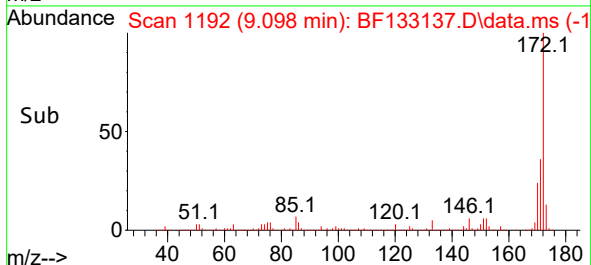
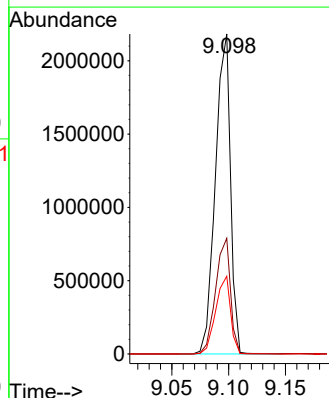
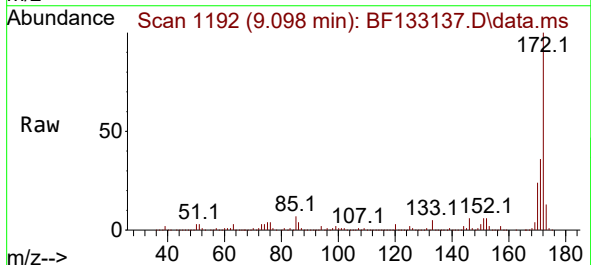
Tgt Ion:172 Resp: 2016194

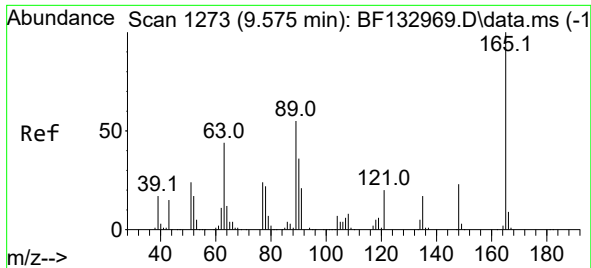
Ion Ratio Lower Upper

172 100

171 36.2 28.8 43.2

170 24.3 19.4 29.2

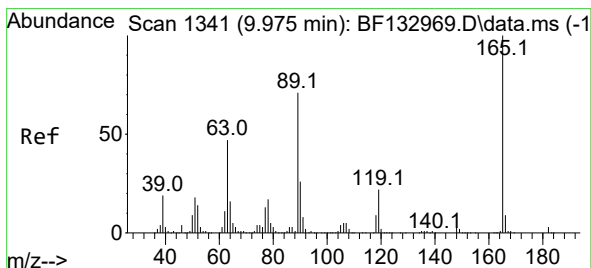
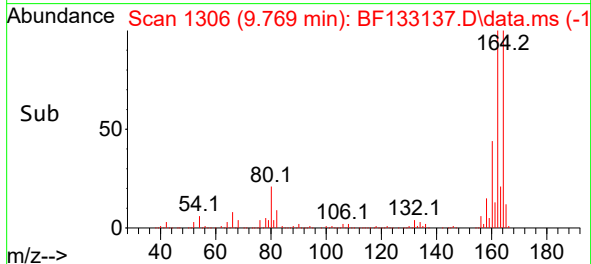
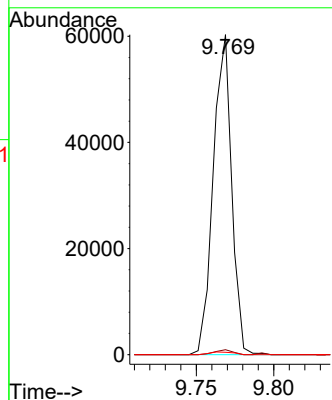
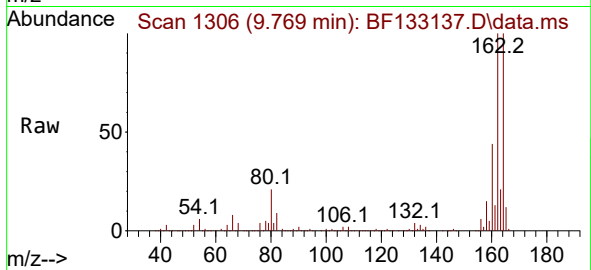




#51
2,6-Dinitrotoluene
Concen: 8.218 ng
RT: 9.769 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF133137.D
Acq: 28 Apr 2023 23:30

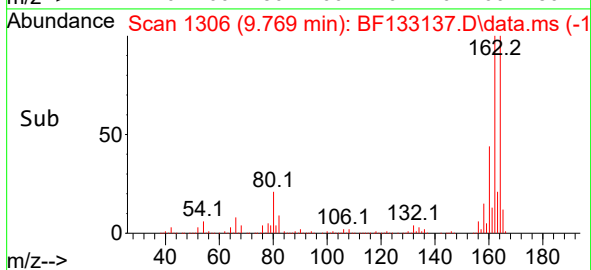
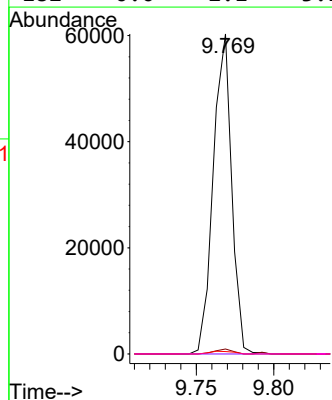
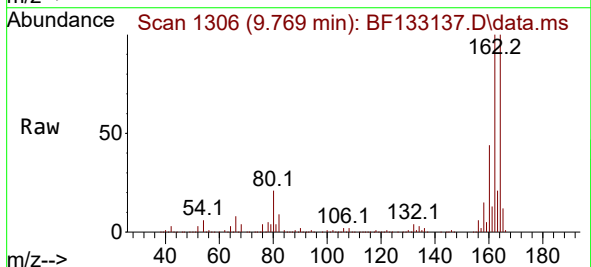
Instrument :
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MW-4

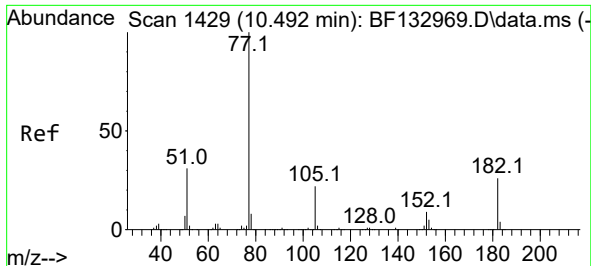
Tgt Ion:165 Resp: 49694
Ion Ratio Lower Upper
165 100
63 1.6 45.9 68.9#
89 0.8 44.0 66.0#



#57
2,4-Dinitrotoluene
Concen: 6.444 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.194 min
Lab File: BF133137.D
Acq: 28 Apr 2023 23:30

Tgt Ion:165 Resp: 49694
Ion Ratio Lower Upper
165 100
63 1.6 37.7 56.5#
89 0.8 57.0 85.4#
182 0.0 2.1 3.1#

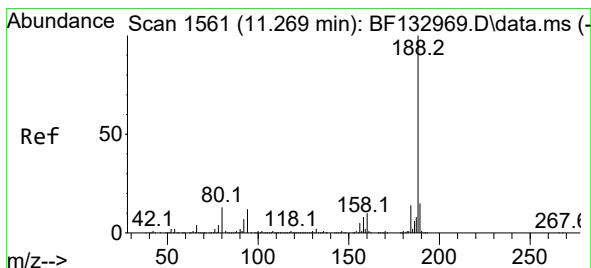
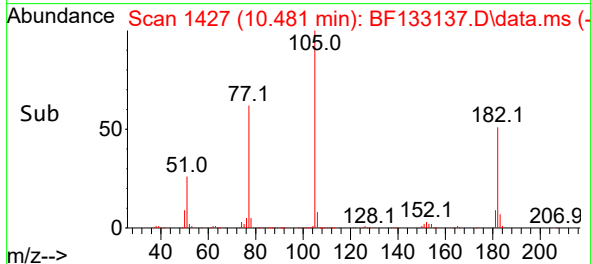
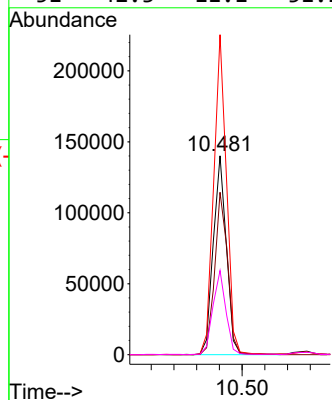
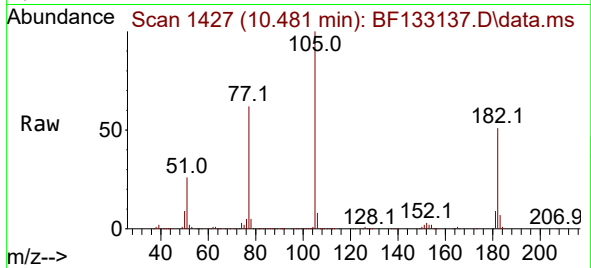




#63
Azobenzene
Concen: 4.190 ng
RT: 10.481 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF133137.D
Acq: 28 Apr 2023 23:30

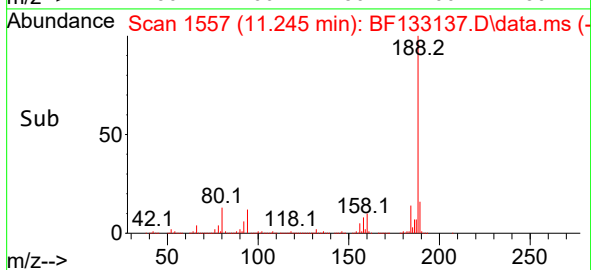
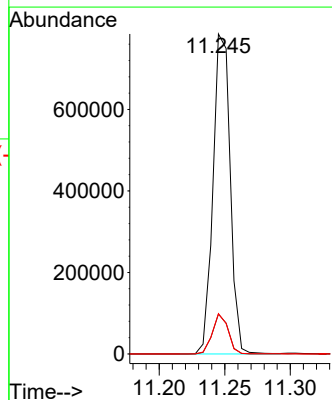
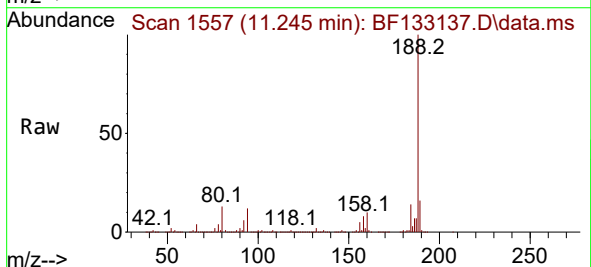
Instrument :
BNA_F
ClientSampleId :
MW-4

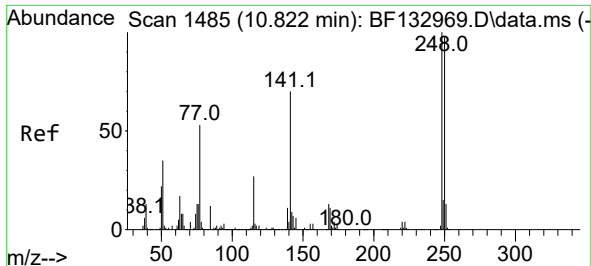
Tgt Ion: 77 Resp: 112636
Ion Ratio Lower Upper
77 100
182 81.6 5.9 45.9#
105 160.9 2.3 42.3#
51 42.3 11.1 51.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.245 min Scan# 1557
Delta R.T. -0.006 min
Lab File: BF133137.D
Acq: 28 Apr 2023 23:30

Tgt Ion:188 Resp: 716456
Ion Ratio Lower Upper
188 100
94 12.5 9.7 14.5
80 12.6 10.4 15.6

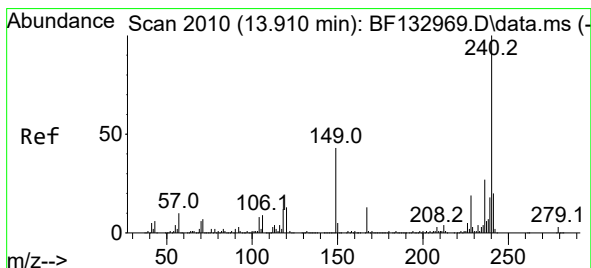
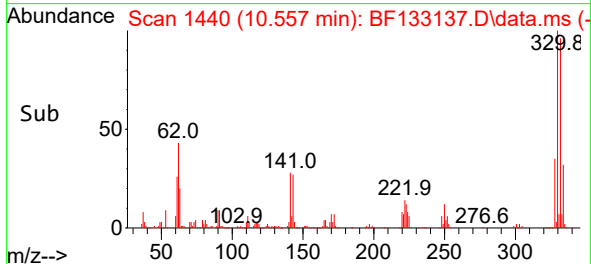
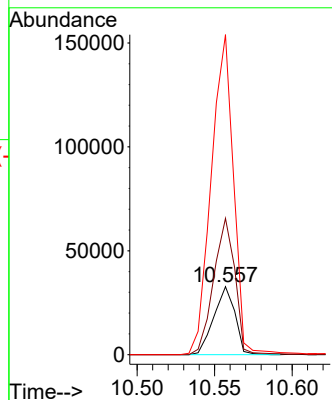
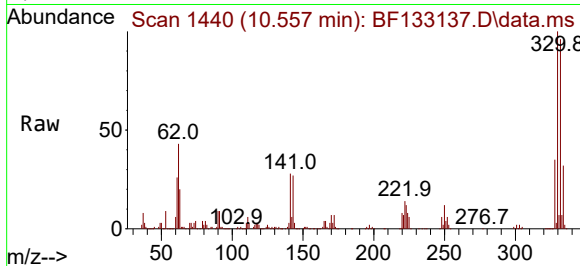




#67
4-Bromophenyl-phenylether
Concen: 3.999 ng
RT: 10.557 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF133137.D
Acq: 28 Apr 2023 23:30

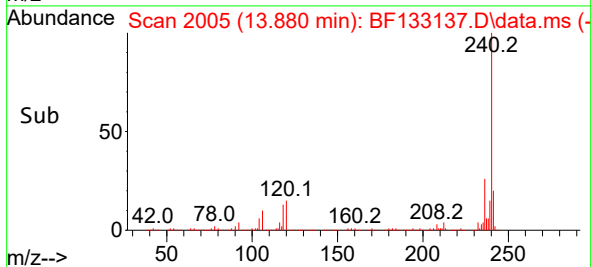
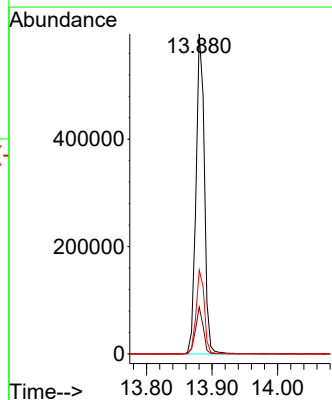
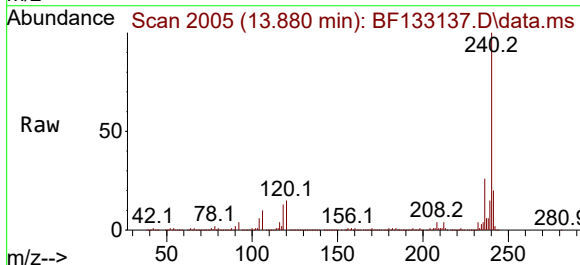
Instrument :
BNA_F
ClientSampleId :
MW-4

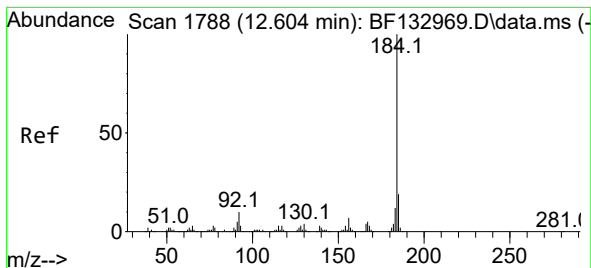
Tgt Ion:248 Resp: 31077
Ion Ratio Lower Upper
248 100
250 200.5 78.7 118.1#
141 470.6 56.3 84.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.012 min
Lab File: BF133137.D
Acq: 28 Apr 2023 23:30

Tgt Ion:240 Resp: 532206
Ion Ratio Lower Upper
240 100
120 14.7 10.5 15.7
236 26.3 21.5 32.3





#77

Benzidine

Concen: 3.274 ng

RT: 12.839 min Scan# 1828

Delta R.T. 0.253 min

Lab File: BF133137.D

Acq: 28 Apr 2023 23:30

Instrument :

BNA_F

ClientSampleId :

MW-4

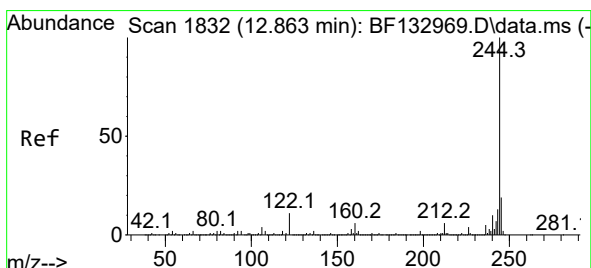
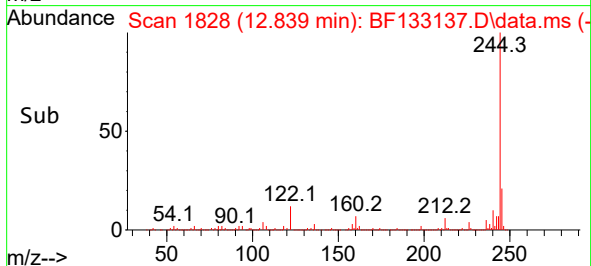
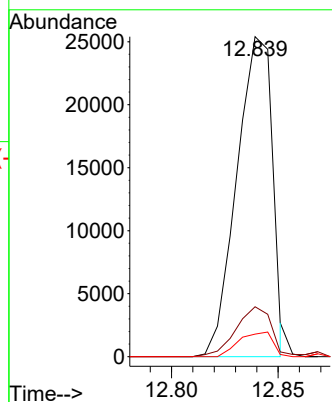
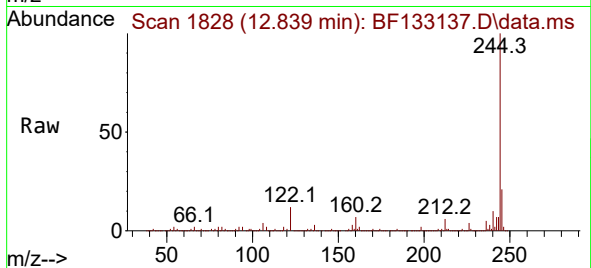
Tgt Ion:184 Resp: 29467

Ion Ratio Lower Upper

184 100

185 15.6 15.4 23.2

183 7.1 9.4 14.0#



#79

Terphenyl-d14

Concen: 79.397 ng

RT: 12.839 min Scan# 1828

Delta R.T. 0.000 min

Lab File: BF133137.D

Acq: 28 Apr 2023 23:30

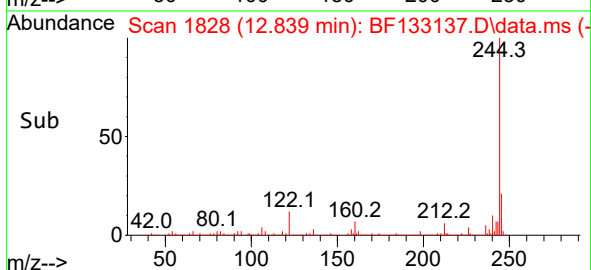
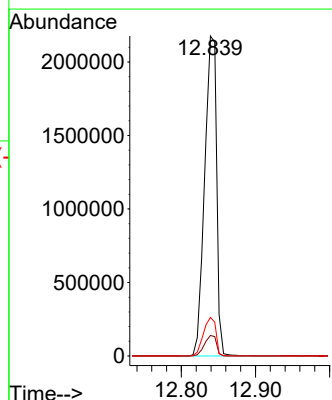
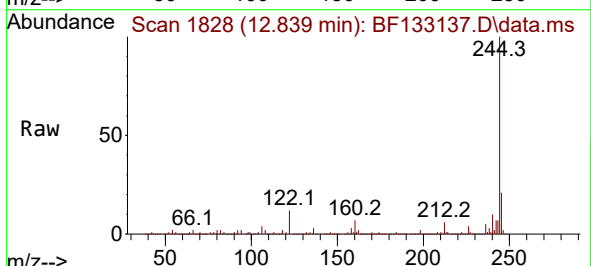
Tgt Ion:244 Resp: 2450063

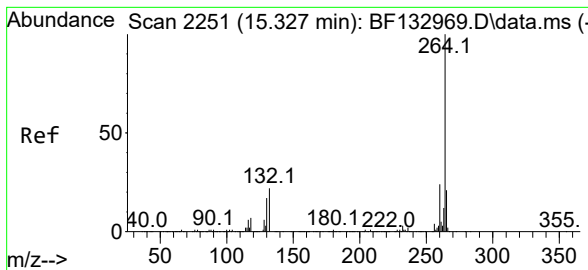
Ion Ratio Lower Upper

244 100

212 6.4 5.1 7.7

122 12.1 8.6 13.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.304 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF133137.D
 Acq: 28 Apr 2023 23:30

Instrument :
 BNA_F
 ClientSampleId :
 MW-4

Tgt Ion:264 Resp: 407506
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.8 28.2
 265 20.5 17.0 25.4

