

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
 Data File : BF133161.D
 Acq On : 01 May 2023 18:06
 Operator : CG\JU
 Sample : 02521-14
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FB

Quant Time: May 02 05:21:08 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)

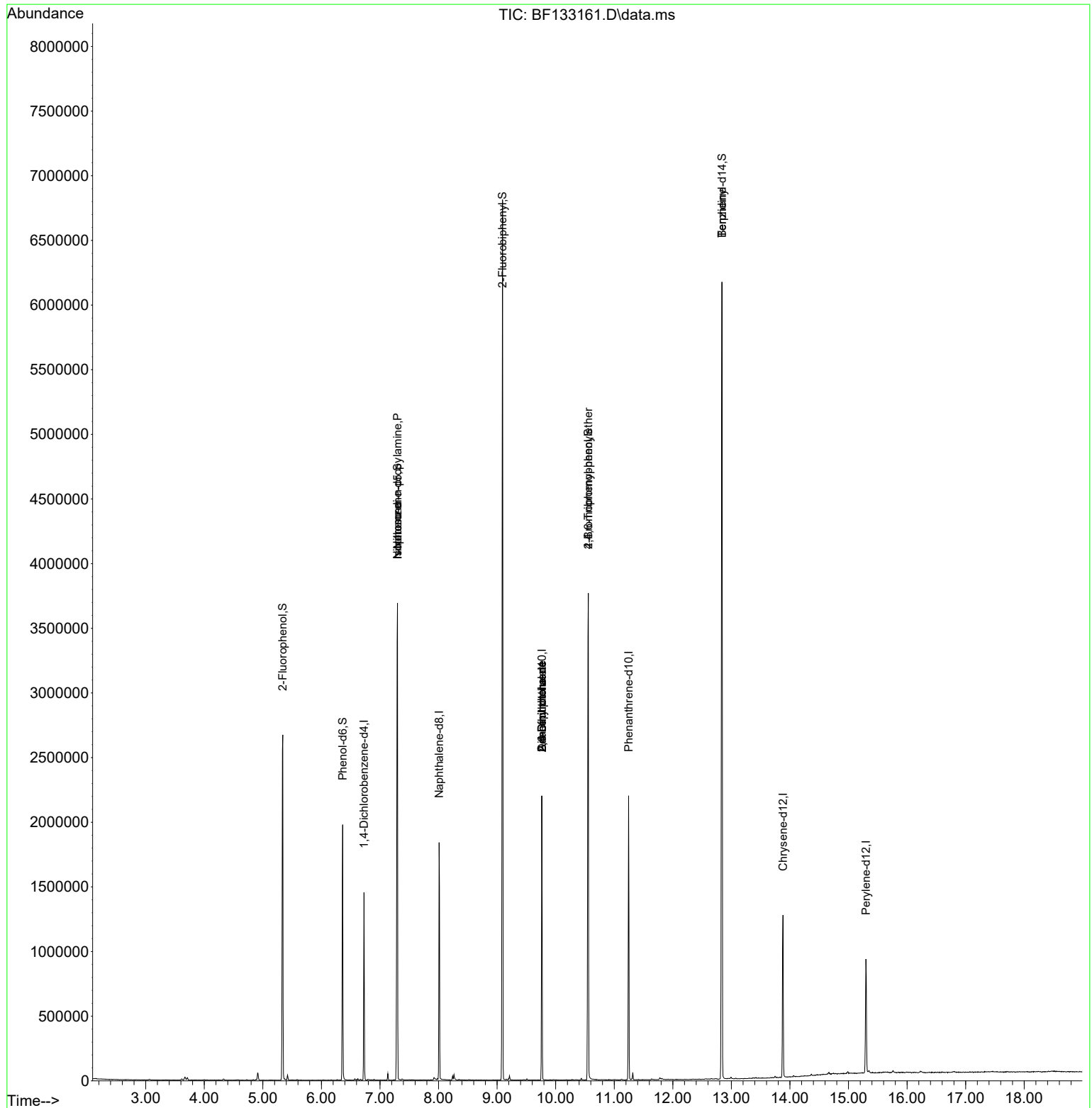
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	181752	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	744647	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	393741	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	715460	20.000	ng	0.00
76) Chrysene-d12	13.880	240	386608	20.000	ng	-0.01
86) Perylene-d12	15.298	264	370078	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	773915	64.323	ng	0.00
7) Phenol-d6	6.363	99	585190	39.185	ng	-0.01
23) Nitrobenzene-d5	7.298	82	1271778	92.187	ng	0.00
42) 2,4,6-Tribromophenol	10.557	330	521479	131.693	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	2116978	89.950	ng	0.00
79) Terphenyl-d14	12.839	244	2524268	112.608	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.269	77	741	Below Cal	#	83
19) n-Nitroso-di-n-propyla...	7.298	70	169284	18.208	ng	# 74
25) Isophorone	7.298	82	1271765	48.553	ng	# 63
50) Dimethylphthalate	9.763	163	76195	2.775	ng	# 1
51) 2,6-Dinitrotoluene	9.763	165	51036	8.259	ng	# 25
57) 2,4-Dinitrotoluene	9.763	165	51036	6.476	ng	# 23
67) 4-Bromophenyl-phenylether	10.557	248	32142	4.142	ng	# 1
77) Benzidine	12.839	184	30112	4.606	ng	# 88

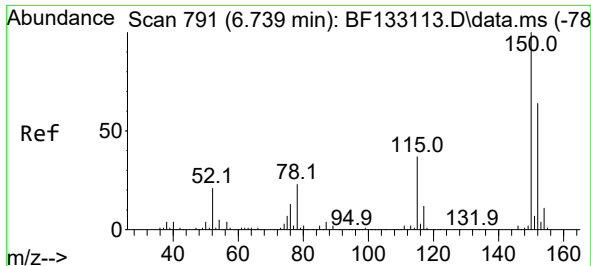
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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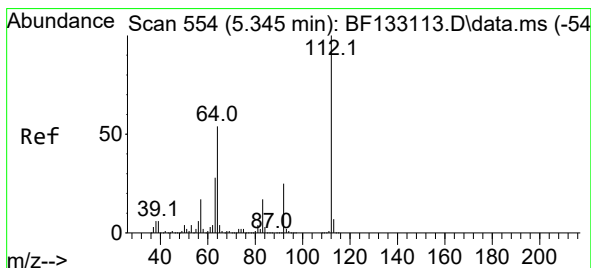
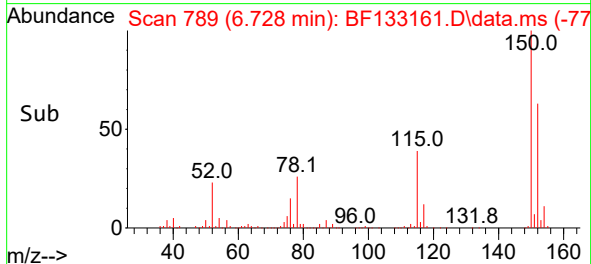
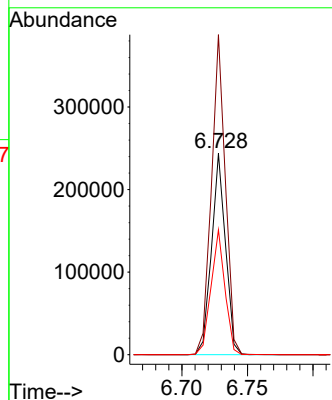
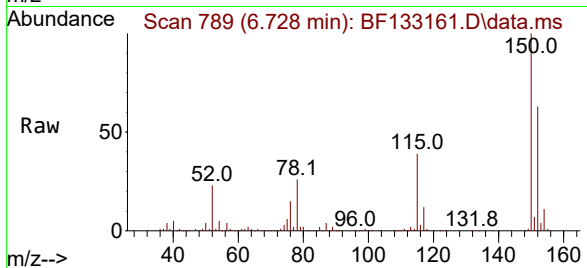




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 791
Delta R.T. -0.005 min
Lab File: BF133161.D
Acq: 01 May 2023 18:06

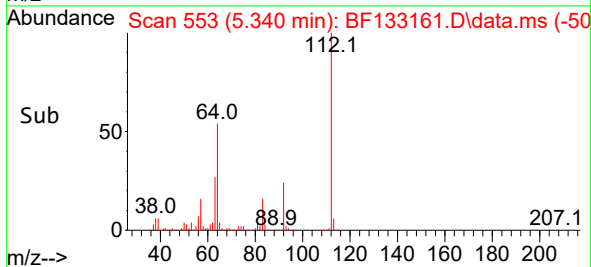
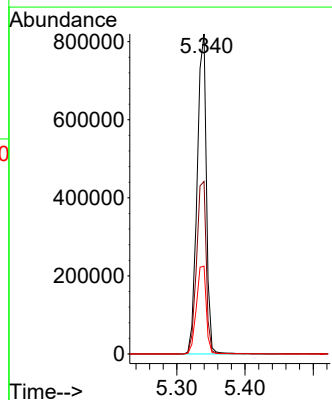
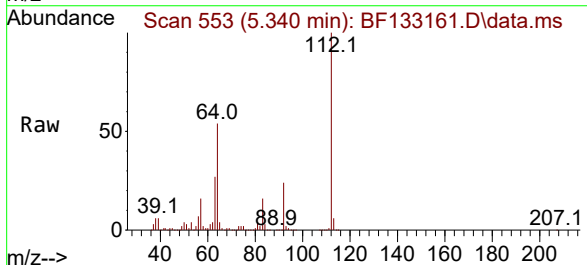
Instrument :
BNA_F
ClientSampleId :
FB

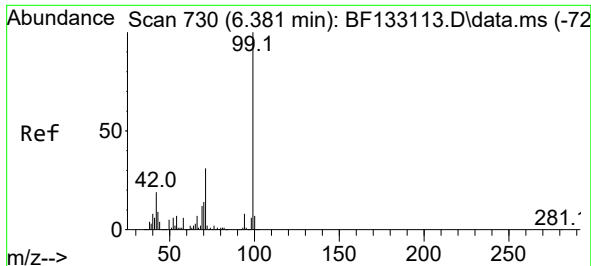
Tgt Ion:152 Resp: 181752
Ion Ratio Lower Upper
152 100
150 159.0 124.8 187.2
115 62.0 49.9 74.9



#5
2-Fluorophenol
Concen: 64.323 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.000 min
Lab File: BF133161.D
Acq: 01 May 2023 18:06

Tgt Ion:112 Resp: 773915
Ion Ratio Lower Upper
112 100
64 53.9 46.8 70.2
63 27.5 23.8 35.8

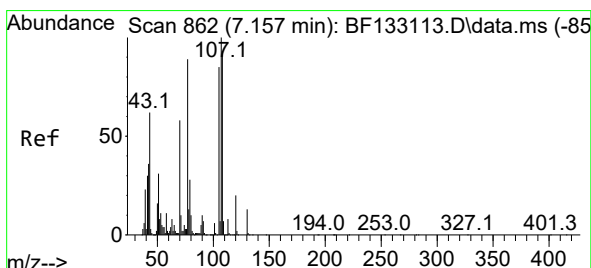
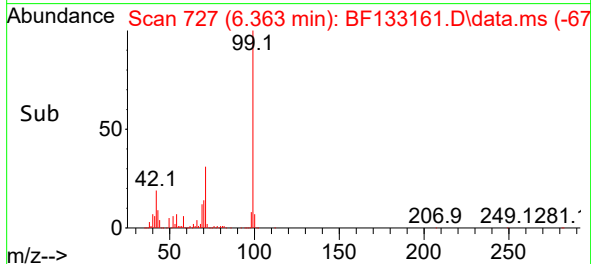
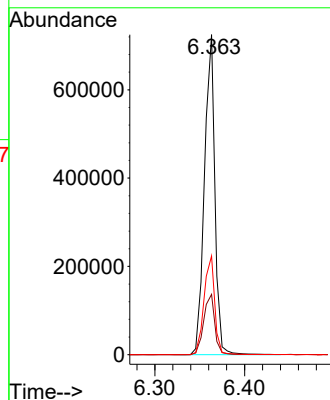
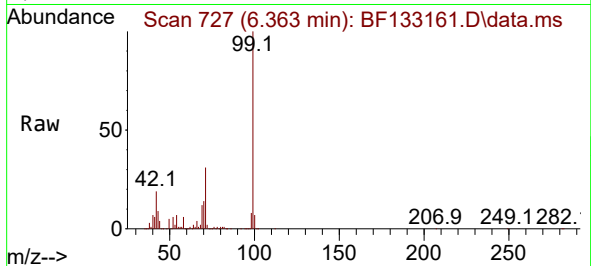




#7
Phenol-d6
Concen: 39.185 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133161.D
Acq: 01 May 2023 18:06

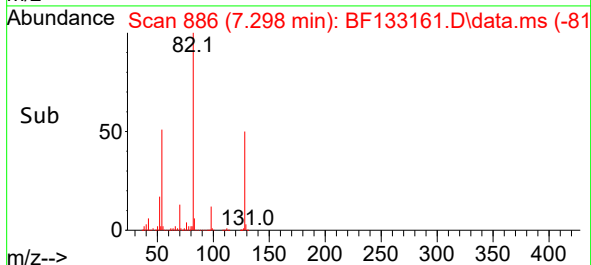
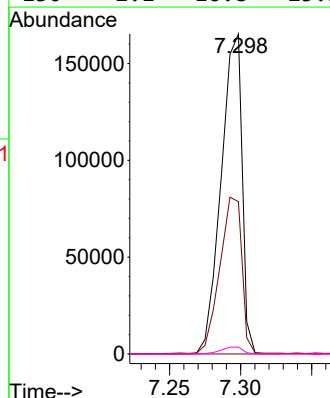
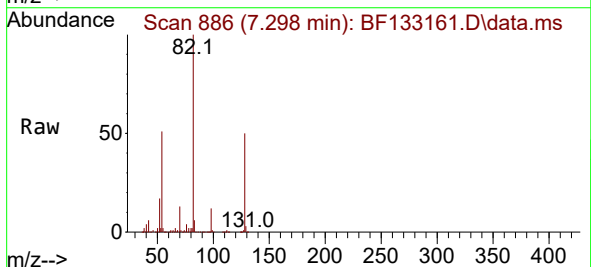
Instrument :
BNA_F
ClientSampleId :
FB

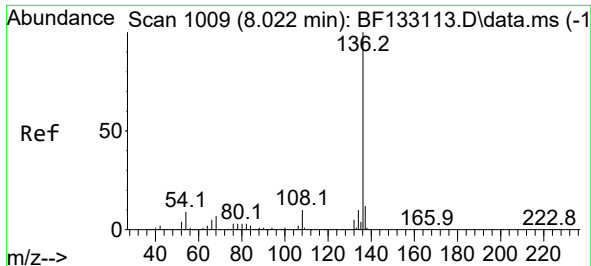
Tgt Ion: 99 Resp: 585190
Ion Ratio Lower Upper
99 100
42 18.9 16.3 24.5
71 30.9 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 18.208 ng
RT: 7.298 min Scan# 886
Delta R.T. 0.141 min
Lab File: BF133161.D
Acq: 01 May 2023 18:06

Tgt Ion: 70 Resp: 169284
Ion Ratio Lower Upper
70 100
42 47.6 51.8 77.6#
101 0.0 8.0 12.0#
130 2.1 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.010 min Scan# 1009

Delta R.T. -0.006 min

Lab File: BF133161.D

Acq: 01 May 2023 18:06

Instrument :

BNA_F

ClientSampleId :

FB

Tgt Ion:136 Resp: 744647

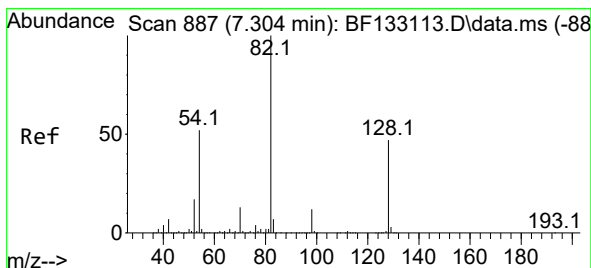
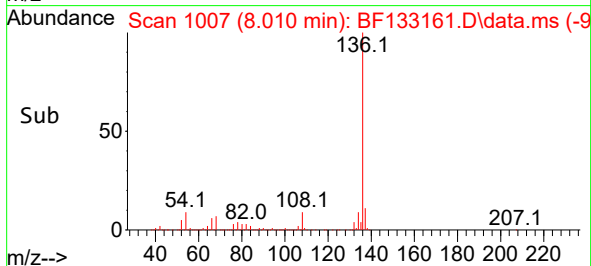
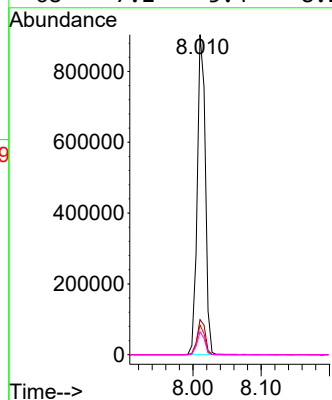
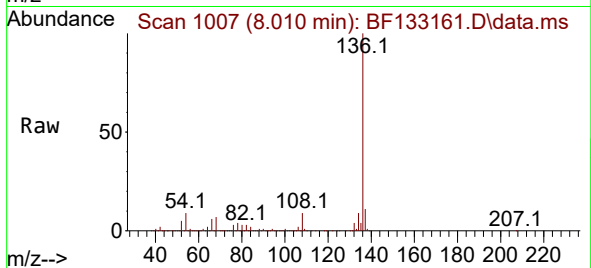
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 9.2 7.0 10.4

68 7.2 5.4 8.2



#23

Nitrobenzene-d5

Concen: 92.187 ng

RT: 7.298 min Scan# 886

Delta R.T. -0.006 min

Lab File: BF133161.D

Acq: 01 May 2023 18:06

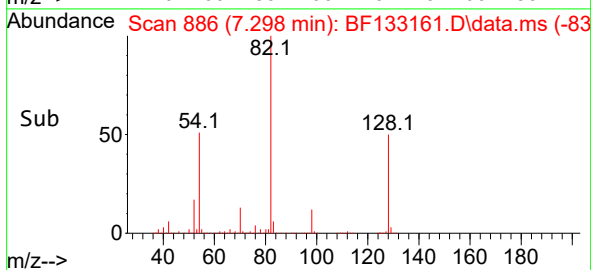
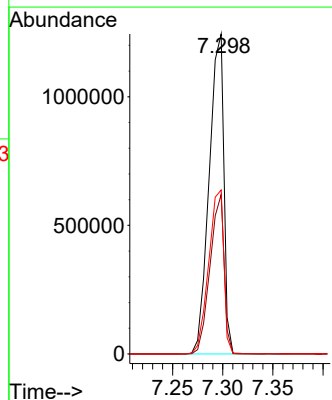
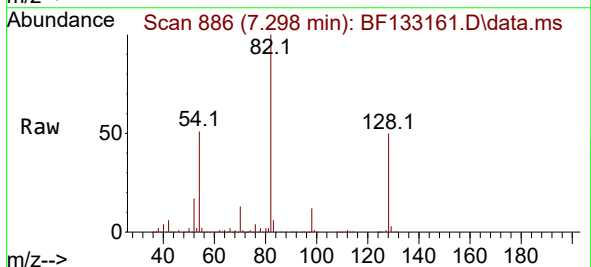
Tgt Ion: 82 Resp: 1271778

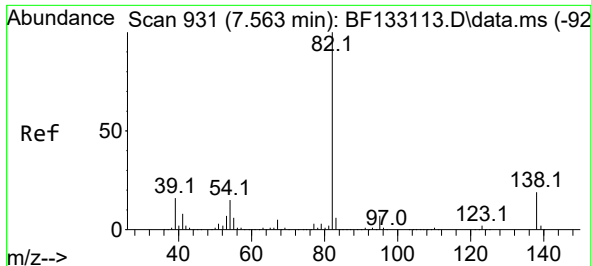
Ion Ratio Lower Upper

82 100

128 49.8 37.7 56.5

54 51.2 43.0 64.4

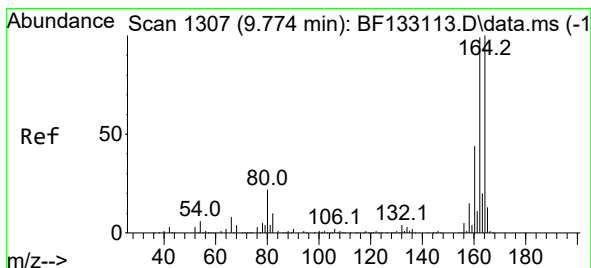
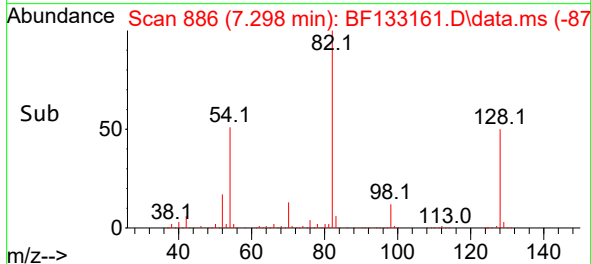
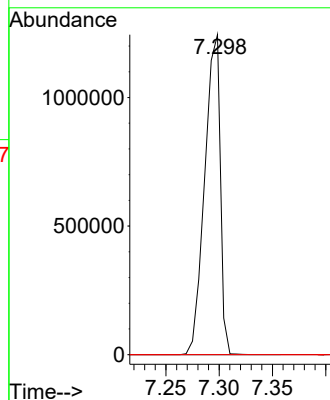
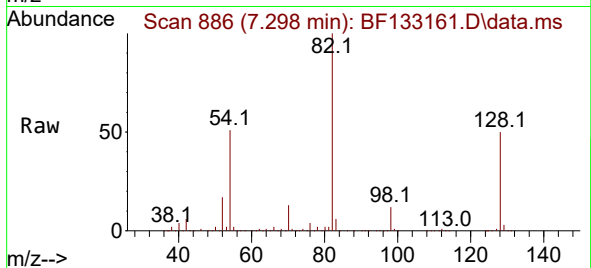




#25
Isophorone
Concen: 48.553 ng
RT: 7.298 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF133161.D
Acq: 01 May 2023 18:06

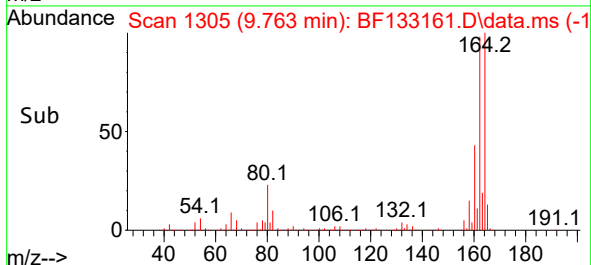
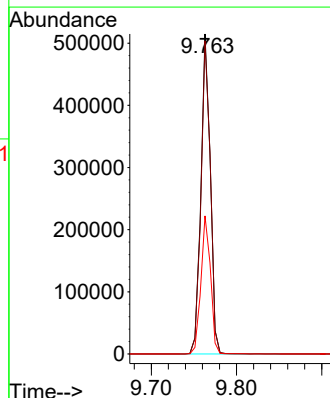
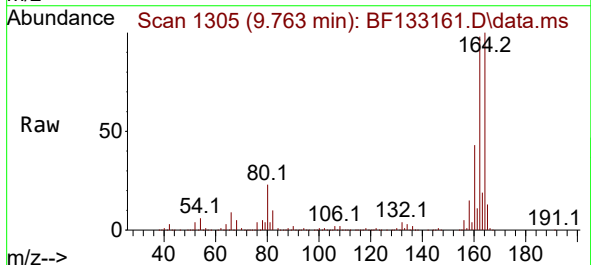
Instrument :
BNA_F
ClientSampleId :
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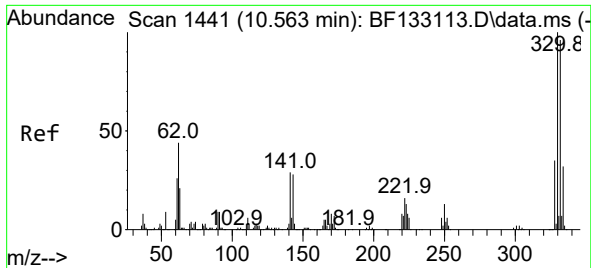
Tgt Ion: 82 Resp: 1271765
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF133161.D
Acq: 01 May 2023 18:06

Tgt Ion:164 Resp: 393741
Ion Ratio Lower Upper
164 100
162 97.8 78.7 118.1
160 43.2 35.8 53.6

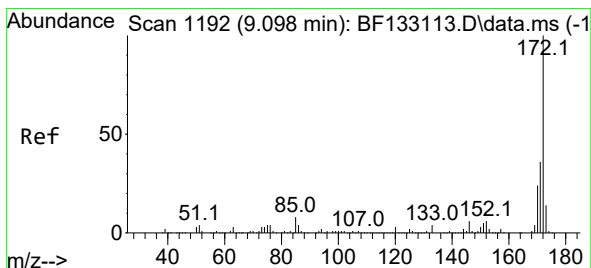
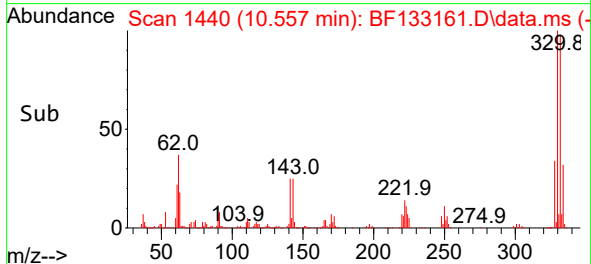
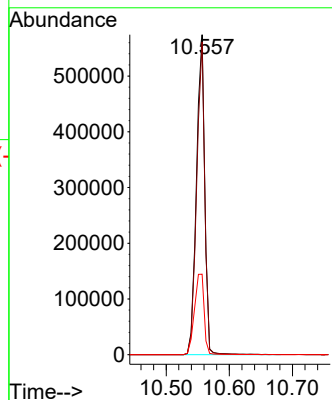
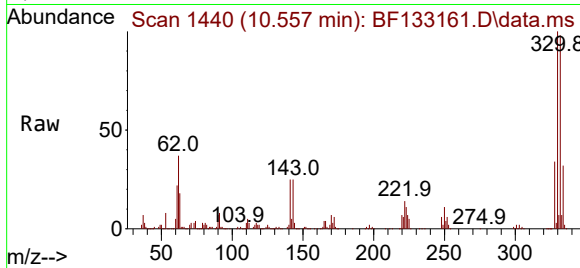




#42
2,4,6-Tribromophenol
Concen: 131.693 ng
RT: 10.557 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF133161.D
Acq: 01 May 2023 18:06

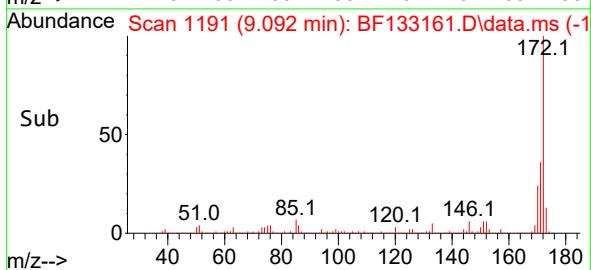
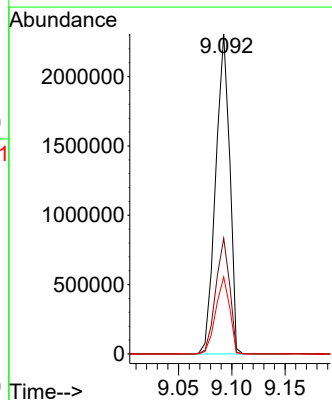
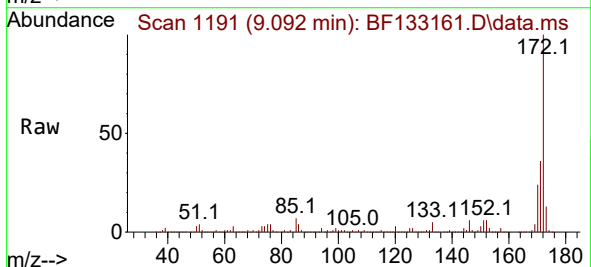
Instrument :
BNA_F
ClientSampleId :
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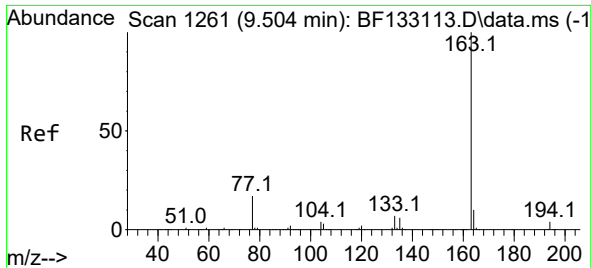
Tgt Ion:330 Resp: 521479
Ion Ratio Lower Upper
330 100
332 95.3 77.1 115.7
141 29.7 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 89.950 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF133161.D
Acq: 01 May 2023 18:06

Tgt Ion:172 Resp: 2116978
Ion Ratio Lower Upper
172 100
171 36.1 28.8 43.2
170 24.0 19.4 29.2

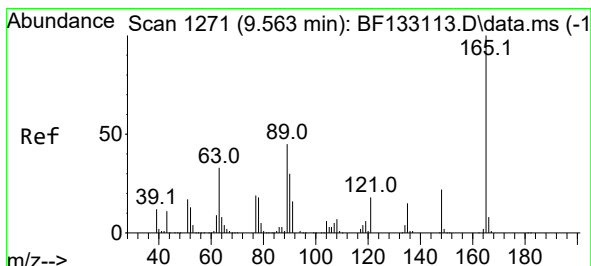
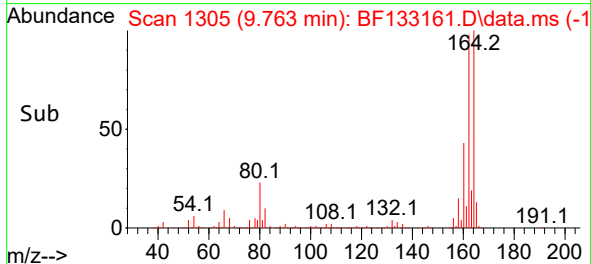
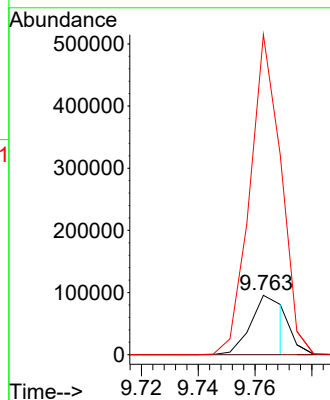
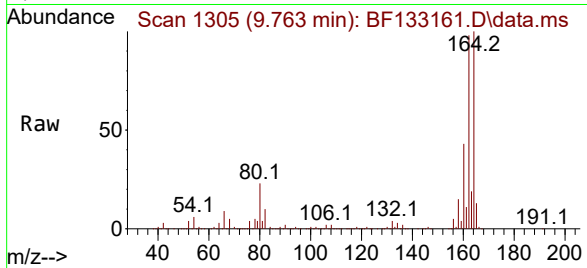




#50
Dimethylphthalate
Concen: 2.775 ng
RT: 9.763 min Scan# 1305
Delta R.T. 0.265 min
Lab File: BF133161.D
Acq: 01 May 2023 18:06

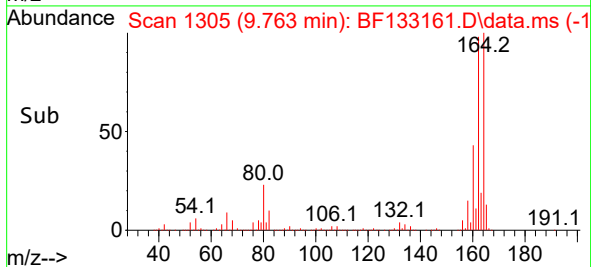
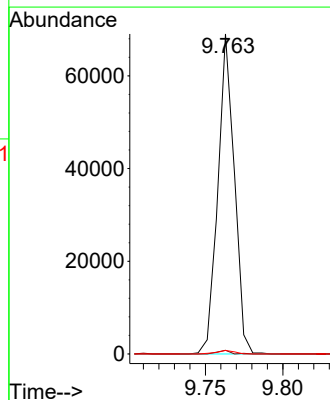
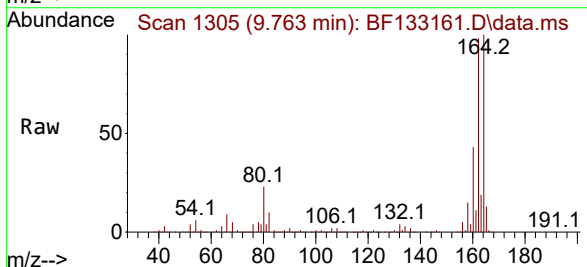
Instrument :
BNA_F
ClientSampleId :
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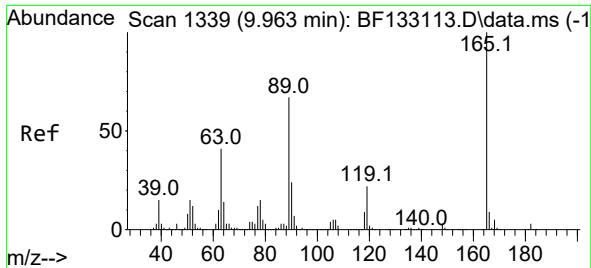
Tgt Ion:163 Resp: 76195
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 538.6 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 8.259 ng
RT: 9.763 min Scan# 1305
Delta R.T. 0.206 min
Lab File: BF133161.D
Acq: 01 May 2023 18:06

Tgt Ion:165 Resp: 51036
Ion Ratio Lower Upper
165 100
63 1.1 45.9 68.9#
89 1.1 44.0 66.0#

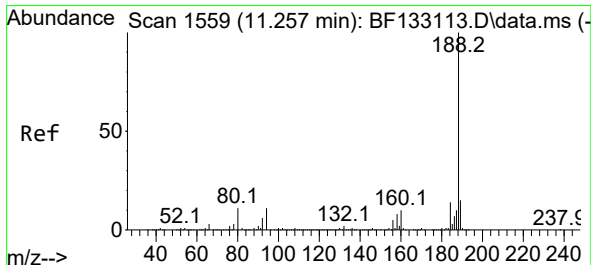
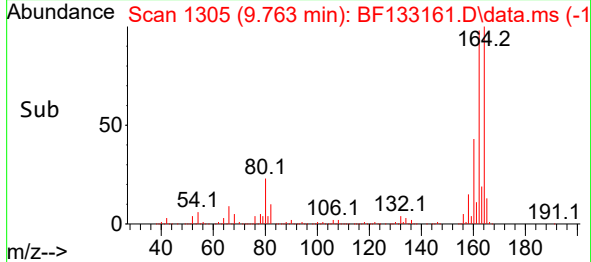
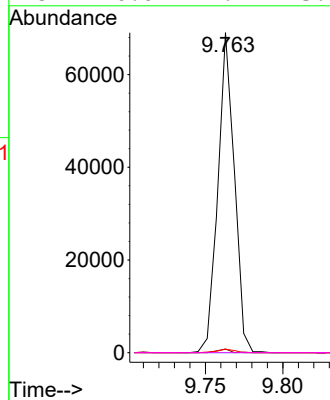
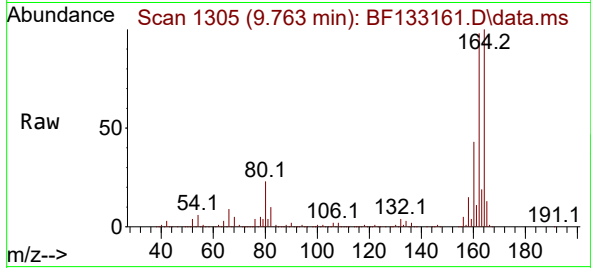




#57
2,4-Dinitrotoluene
Concen: 6.476 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF133161.D
Acq: 01 May 2023 18:06

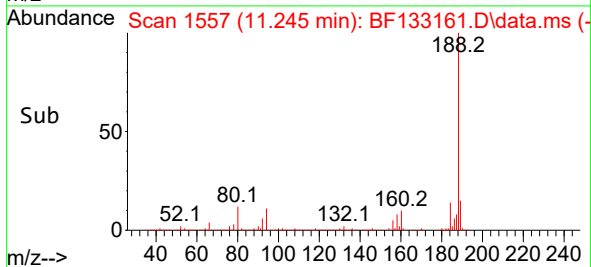
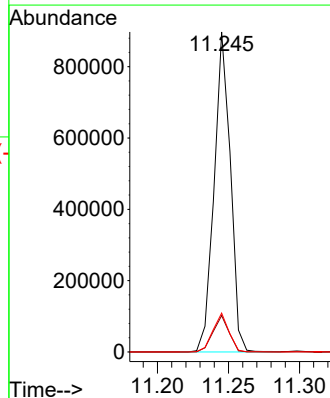
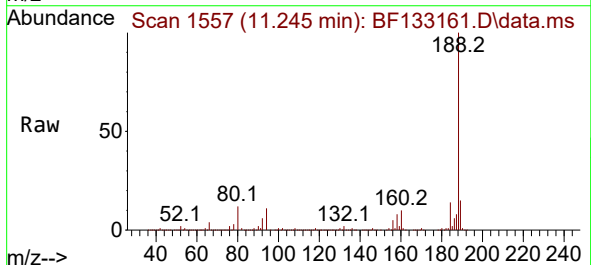
Instrument :
BNA_F
ClientSampleId :
FB

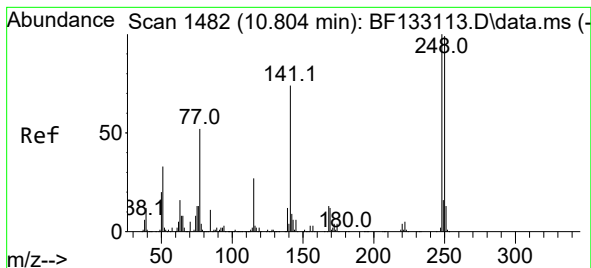
Tgt Ion:165 Resp: 51036
Ion Ratio Lower Upper
165 100
63 1.1 37.7 56.5#
89 1.1 57.0 85.4#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.245 min Scan# 1557
Delta R.T. -0.006 min
Lab File: BF133161.D
Acq: 01 May 2023 18:06

Tgt Ion:188 Resp: 715460
Ion Ratio Lower Upper
188 100
94 11.3 9.7 14.5
80 12.2 10.4 15.6

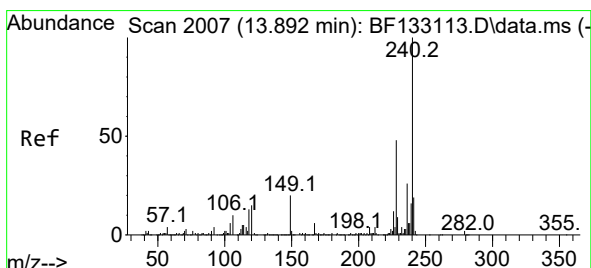
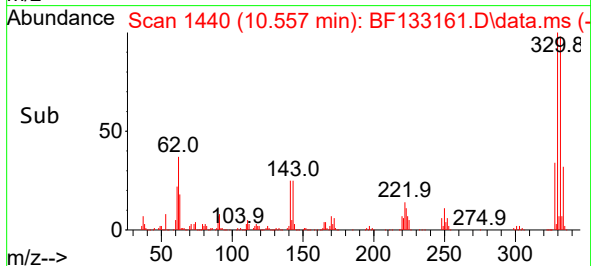
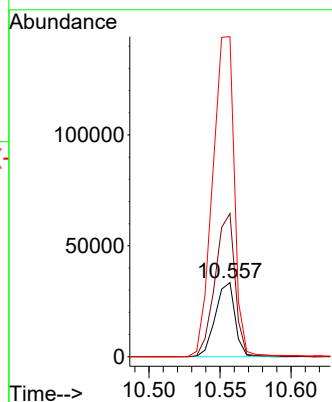
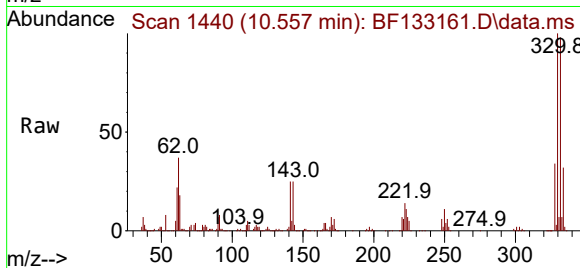




#67
4-Bromophenyl-phenylether
Concen: 4.142 ng
RT: 10.557 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF133161.D
Acq: 01 May 2023 18:06

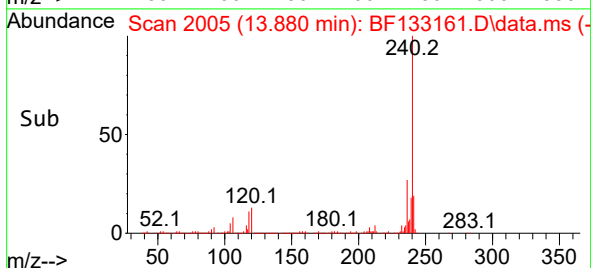
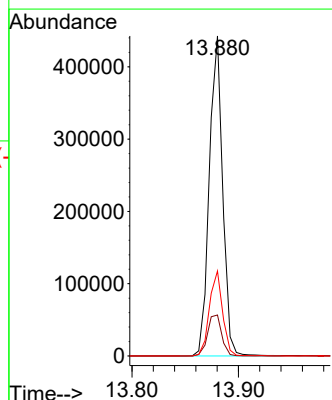
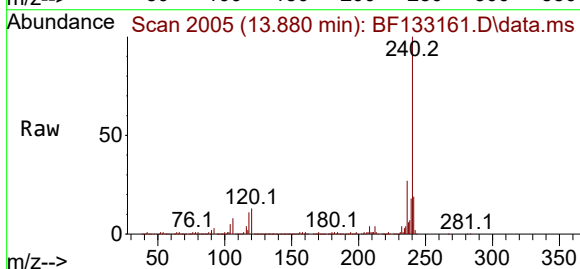
Instrument :
BNA_F
ClientSampleId :
FB

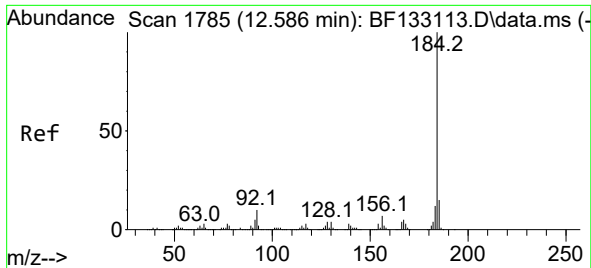
Tgt Ion:248 Resp: 32142
Ion Ratio Lower Upper
248 100
250 192.8 78.7 118.1#
141 431.6 56.3 84.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.012 min
Lab File: BF133161.D
Acq: 01 May 2023 18:06

Tgt Ion:240 Resp: 386608
Ion Ratio Lower Upper
240 100
120 12.8 10.5 15.7
236 26.6 21.5 32.3

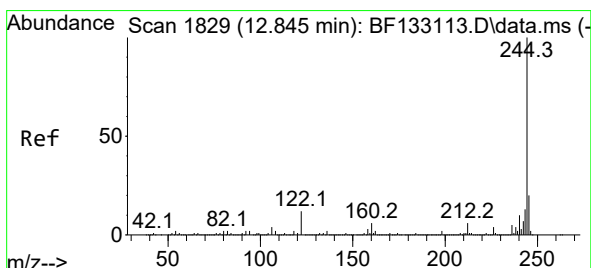
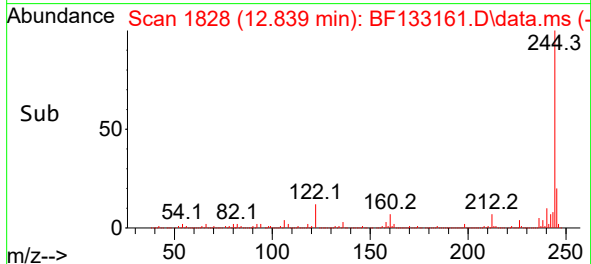
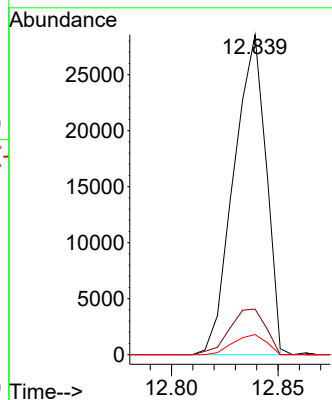
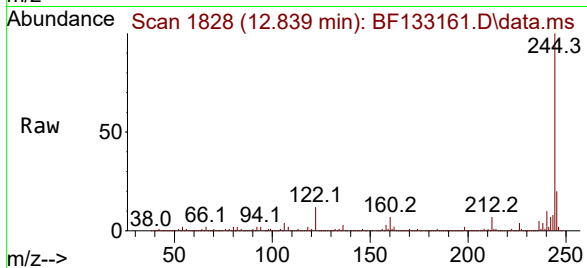




#77
Benzidine
Concen: 4.606 ng
RT: 12.839 min Scan# 1828
Delta R.T. 0.253 min
Lab File: BF133161.D
Acq: 01 May 2023 18:06

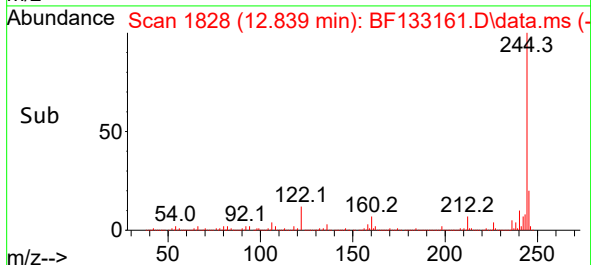
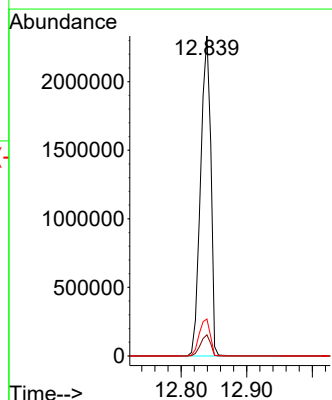
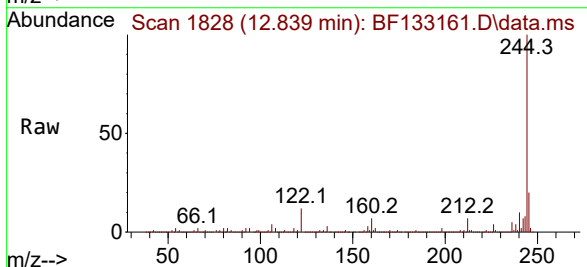
Instrument :
BNA_F
ClientSampleId :
FB

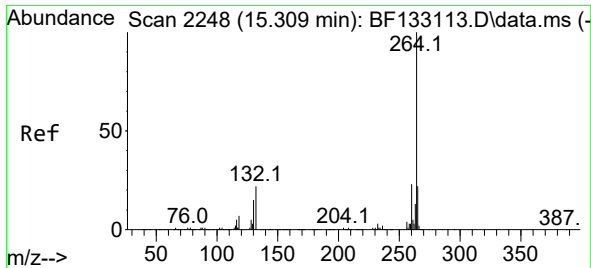
Tgt Ion:184 Resp: 30112
Ion Ratio Lower Upper
184 100
185 14.2 15.4 23.2#
183 6.3 9.4 14.0#



#79
Terphenyl-d14
Concen: 112.608 ng
RT: 12.839 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BF133161.D
Acq: 01 May 2023 18:06

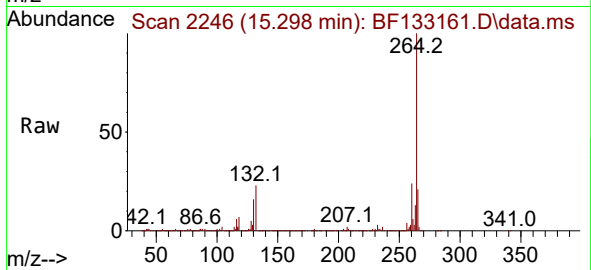
Tgt Ion:244 Resp: 2524268
Ion Ratio Lower Upper
244 100
212 6.6 5.1 7.7
122 11.5 8.6 13.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.298 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133161.D
Acq: 01 May 2023 18:06

Instrument :
BNA_F
ClientSampleId :
FB



Tgt Ion:264 Resp: 370078
Ion Ratio Lower Upper
264 100
260 23.6 18.8 28.2
265 20.9 17.0 25.4

