

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053123\
 Data File : BF133553.D
 Acq On : 31 May 2023 22:38
 Operator : CG\JU
 Sample : 02978-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WM6699AA

Quant Time: Jun 01 02:05:31 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 30 12:58:40 2023
 Response via : Initial Calibration

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

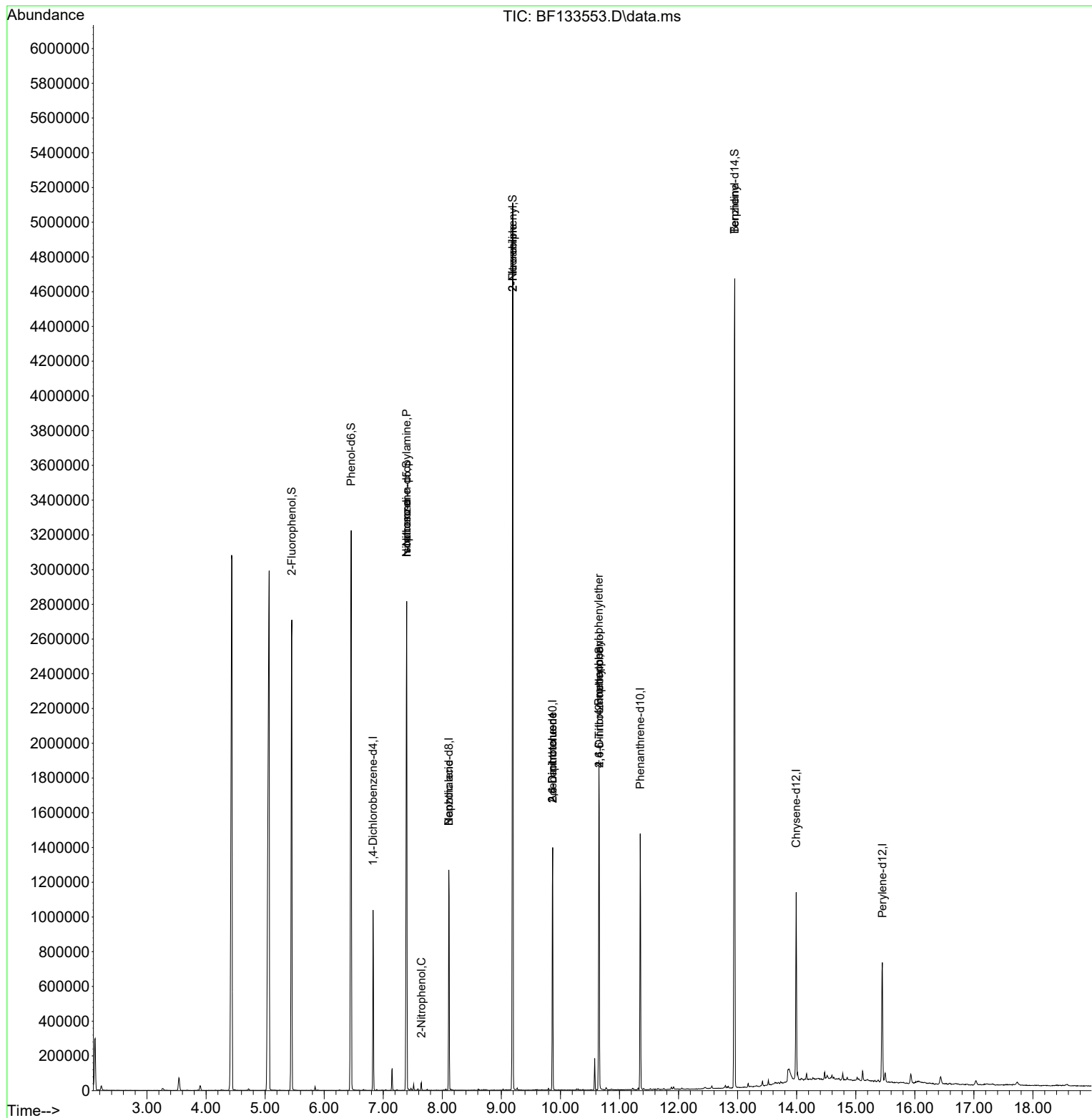
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	139253	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	518083	20.000	ng	# 0.00
39) Acenaphthene-d10	9.869	164	259726	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	521896	20.000	ng	-0.01
76) Chrysene-d12	13.992	240	327369	20.000	ng	-0.01
86) Perylene-d12	15.451	264	321240	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	791696	94.857	ng	0.01
7) Phenol-d6	6.457	99	1106551	107.702	ng	0.00
23) Nitrobenzene-d5	7.398	82	881295	113.578	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	216779	83.731	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	1541962	91.632	ng	0.00
79) Terphenyl-d14	12.951	244	1855962	100.800	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.381	77	65	Below Cal		87
19) n-Nitroso-di-n-propyla...	7.398	70	120832	18.177	ng	# 77
25) Isophorone	7.398	82	881277	48.733	ng	# 65
26) 2-Nitrophenol	7.645	139	230	4.797	ng	# 47
32) Benzoic acid	8.110	122	65	7.360	ng	# 1
48) 2-Nitroaniline	9.192	65	2739	4.502	ng	# 1
51) 2,6-Dinitrotoluene	9.869	165	33568	12.612	ng	# 18
57) 2,4-Dinitrotoluene	9.869	165	33568	11.768	ng	# 15
65) 4,6-Dinitro-2-methylph...	10.657	198	544	8.920	ng	# 23
67) 4-Bromophenyl-phenylether	10.651	248	12893	2.326	ng	# 1
77) Benzidine	12.951	184	25346	2.647	ng	# 95

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

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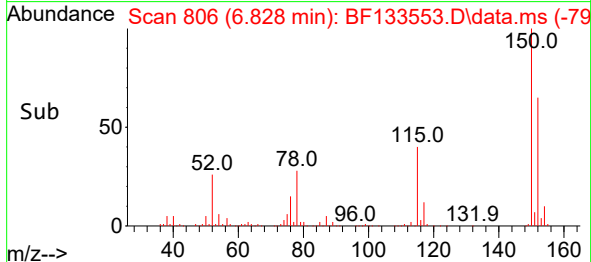
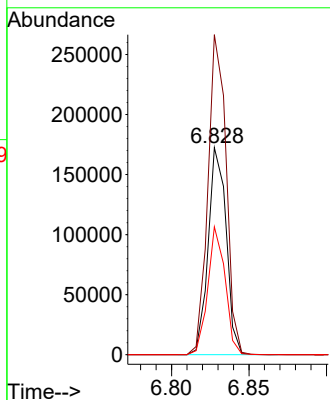
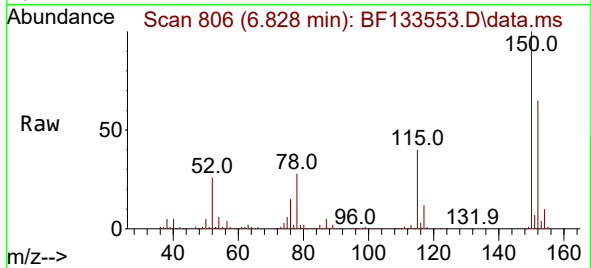




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF133553.D
Acq: 31 May 2023 22:38

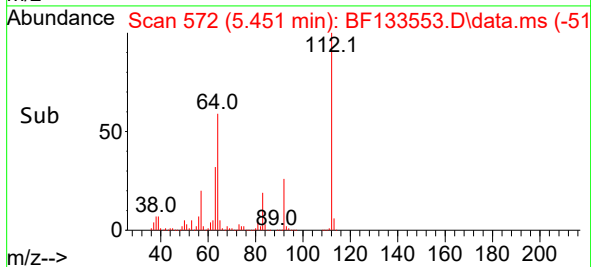
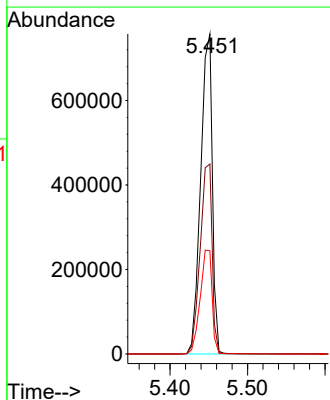
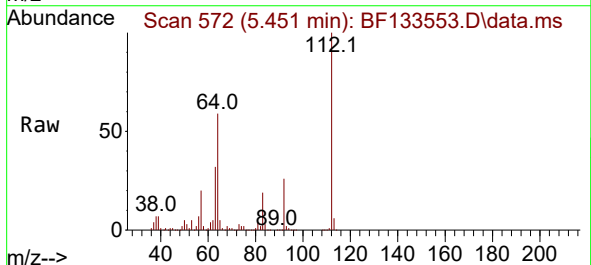
Instrument :
BNA_F
ClientSampleId :
WM6699AA

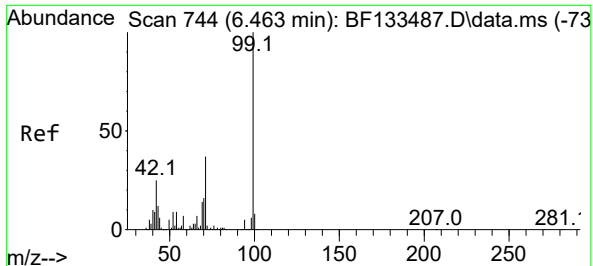
Tgt Ion:152 Resp: 139253
Ion Ratio Lower Upper
152 100
150 154.5 124.9 187.3
115 61.7 48.1 72.1



#5
2-Fluorophenol
Concen: 94.857 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.011 min
Lab File: BF133553.D
Acq: 31 May 2023 22:38

Tgt Ion:112 Resp: 791696
Ion Ratio Lower Upper
112 100
64 59.4 50.1 75.1
63 32.3 27.5 41.3

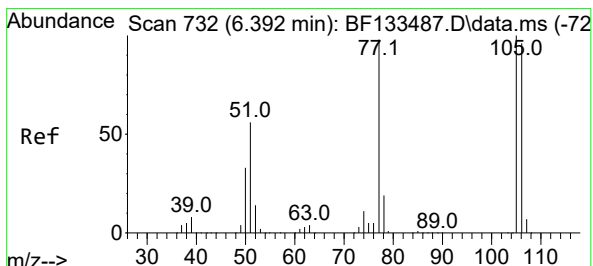
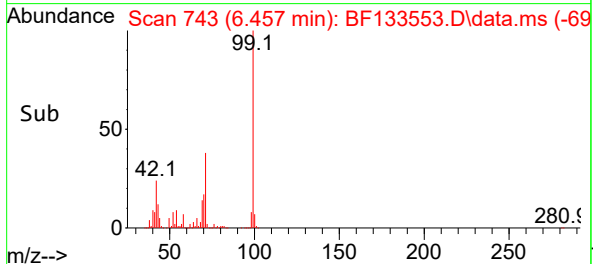
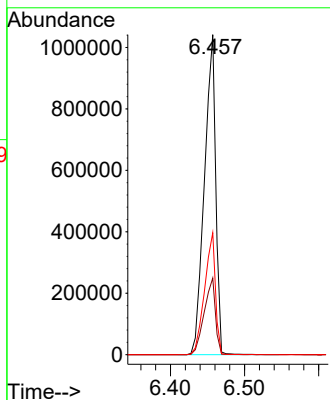
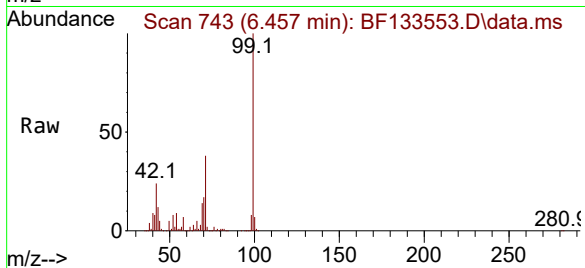




#7
Phenol-d6
Concen: 107.702 ng
RT: 6.457 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133553.D
Acq: 31 May 2023 22:38

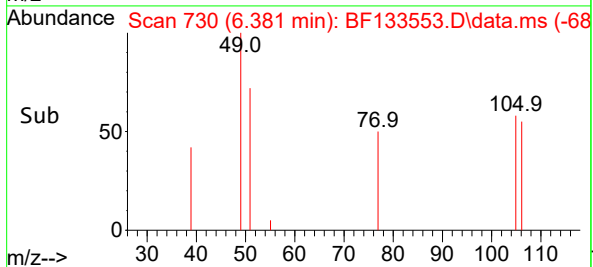
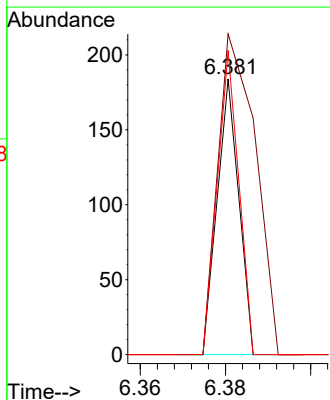
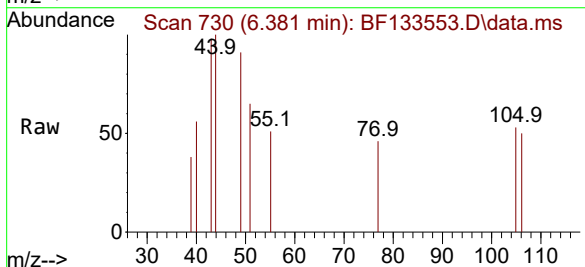
Instrument :
BNA_F
ClientSampleId :
WM6699AA

Tgt Ion: 99 Resp: 1106551
Ion Ratio Lower Upper
99 100
42 24.0 19.7 29.5
71 38.1 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.381 min Scan# 730
Delta R.T. -0.006 min
Lab File: BF133553.D
Acq: 31 May 2023 22:38

Tgt Ion: 77 Resp: 65
Ion Ratio Lower Upper
77 100
105 116.3 81.9 121.9
106 110.3 77.8 117.8

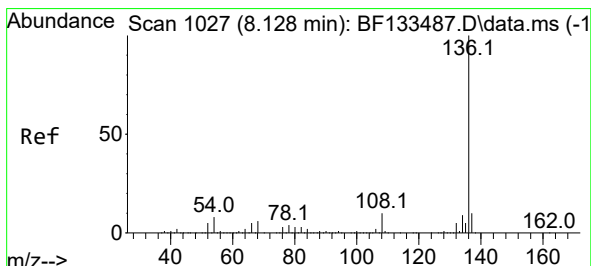
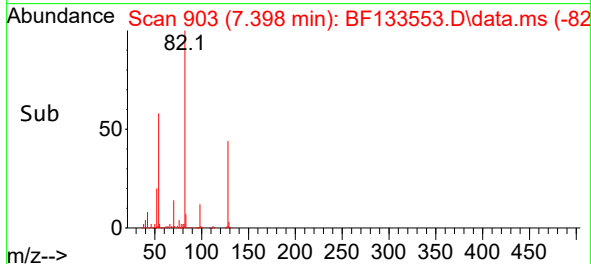
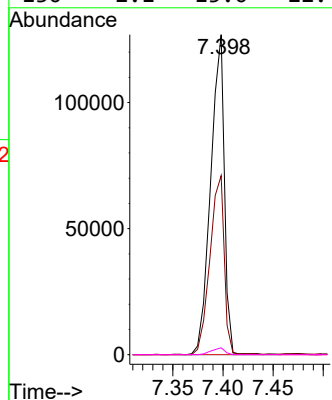
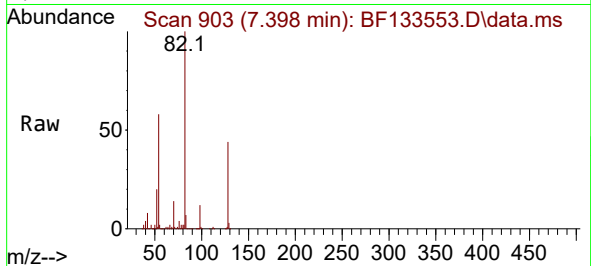




#19
n-Nitroso-di-n-propylamine
Concen: 18.177 ng
RT: 7.398 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF133553.D
Acq: 31 May 2023 22:38

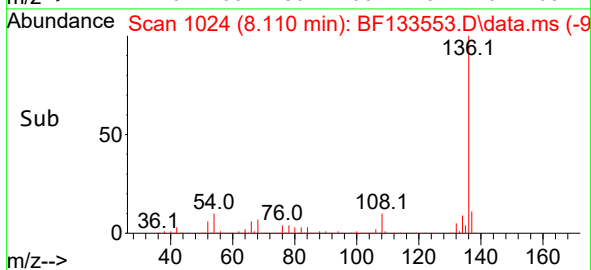
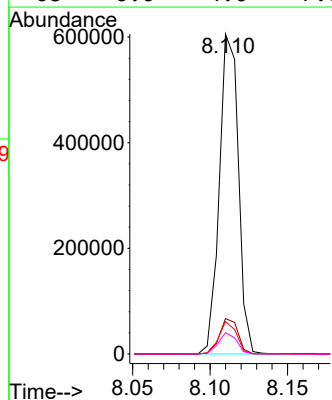
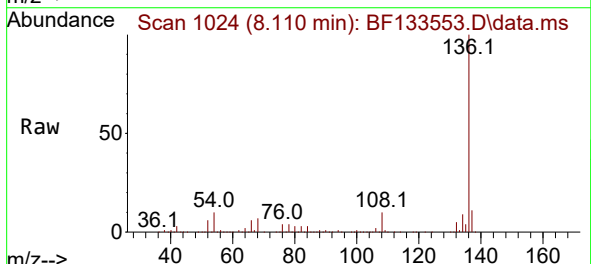
Instrument :
BNA_F
ClientSampleId :
WM6699AA

Tgt Ion: 70 Resp: 120832
Ion Ratio Lower Upper
70 100
42 56.0 57.2 85.8#
101 0.0 7.3 10.9#
130 2.1 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF133553.D
Acq: 31 May 2023 22:38

Tgt Ion: 136 Resp: 518083
Ion Ratio Lower Upper
136 100
137 11.0 8.2 12.4
54 10.1 6.6 10.0#
68 6.6 4.6 7.0





#23

Nitrobenzene-d5

Concen: 113.578 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF133553.D

Acq: 31 May 2023 22:38

Instrument :

BNA_F

ClientSampleId :

WM6699AA

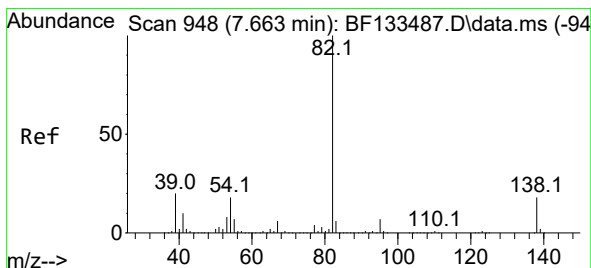
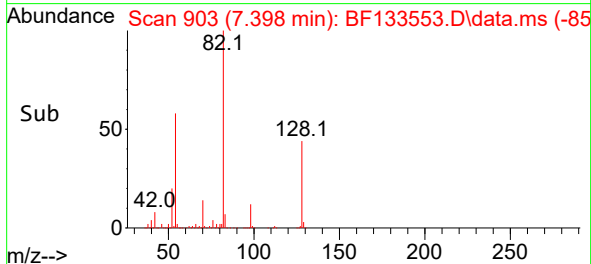
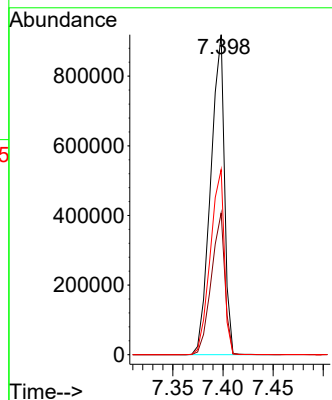
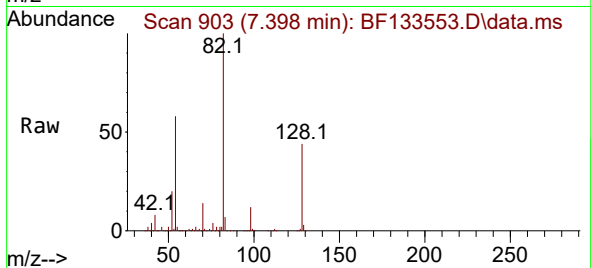
Tgt Ion: 82 Resp: 881295

Ion Ratio Lower Upper

82 100

128 44.3 34.2 51.4

54 57.9 48.2 72.4



#25

Isophorone

Concen: 48.733 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.259 min

Lab File: BF133553.D

Acq: 31 May 2023 22:38

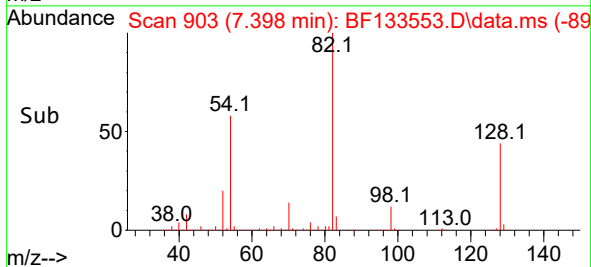
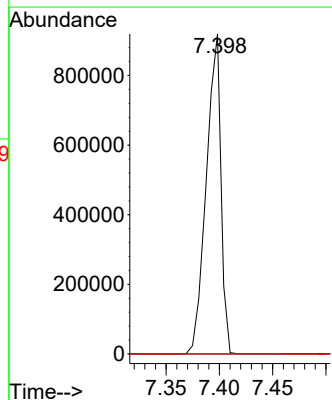
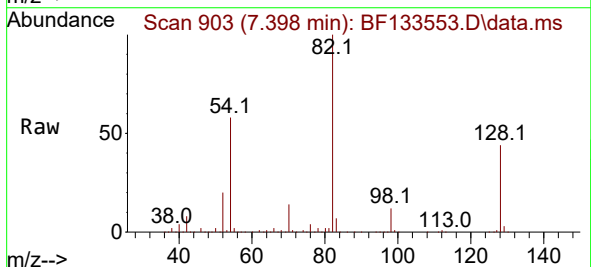
Tgt Ion: 82 Resp: 881277

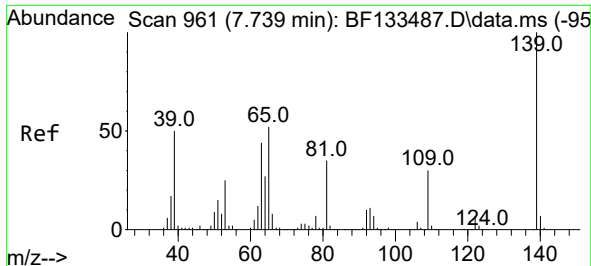
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

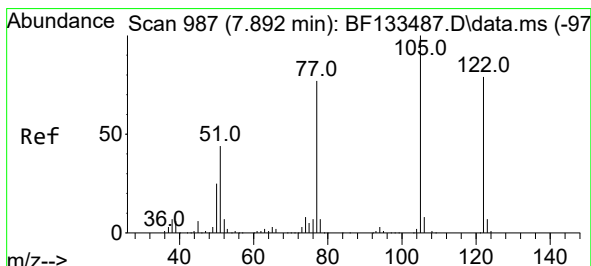
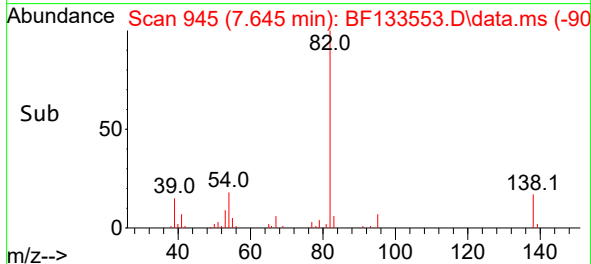
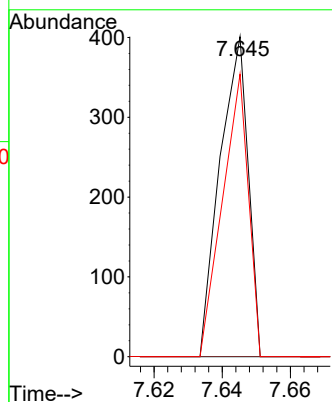
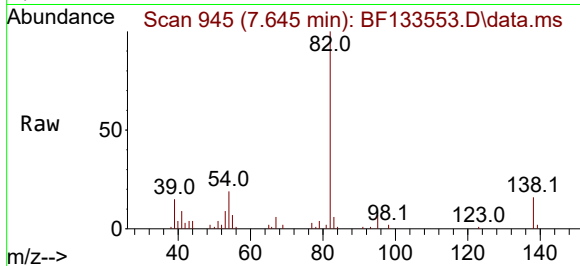




#26
2-Nitrophenol
Concen: 4.797 ng
RT: 7.645 min Scan# 945
Delta R.T. -0.088 min
Lab File: BF133553.D
Acq: 31 May 2023 22:38

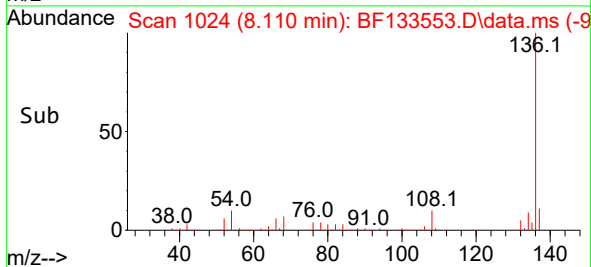
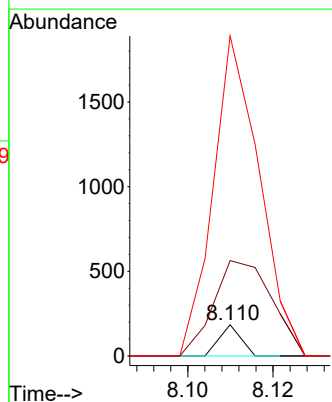
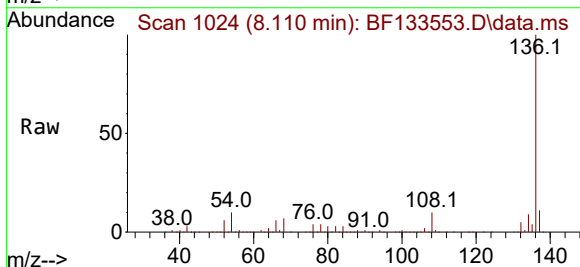
Instrument :
BNA_F
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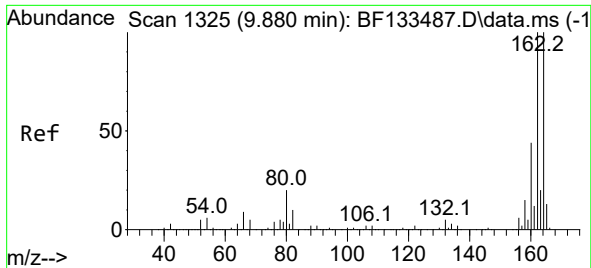
Tgt Ion:139 Resp: 230
Ion Ratio Lower Upper
139 100
109 0.0 24.0 36.0#
65 88.3 41.7 62.5#



#32
Benzoic acid
Concen: 7.360 ng
RT: 8.110 min Scan# 1024
Delta R.T. 0.229 min
Lab File: BF133553.D
Acq: 31 May 2023 22:38

Tgt Ion:122 Resp: 65
Ion Ratio Lower Upper
122 100
105 306.0 103.3 143.3#
77 1027.2 75.7 115.7#

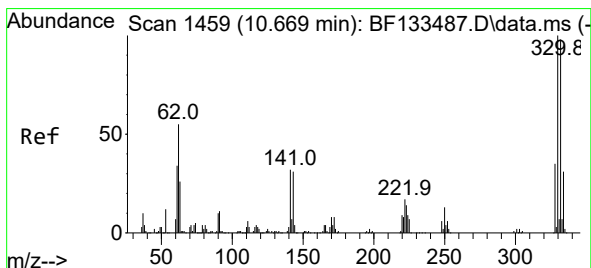
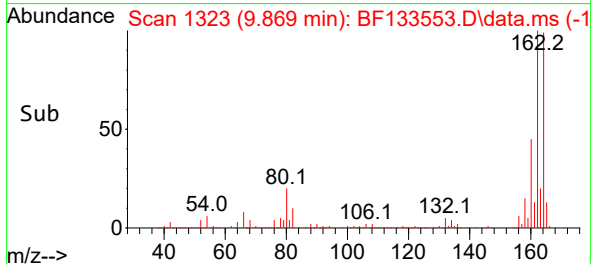
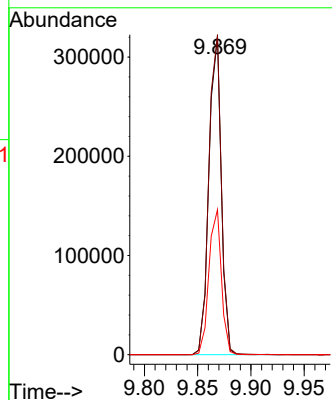
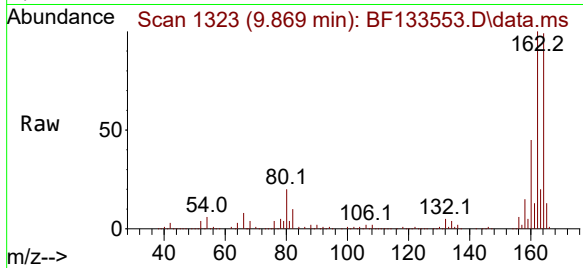




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133553.D
Acq: 31 May 2023 22:38

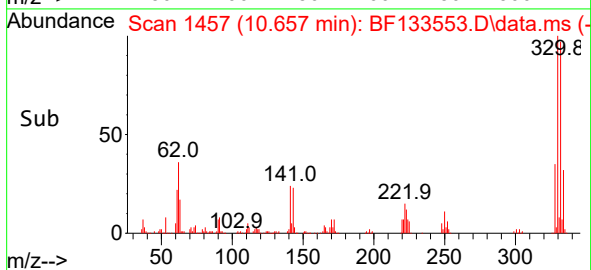
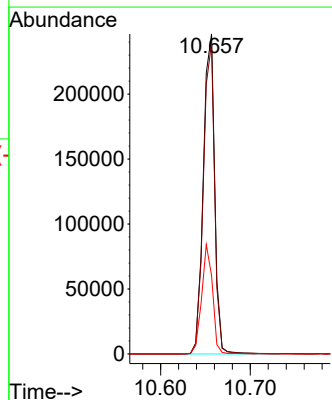
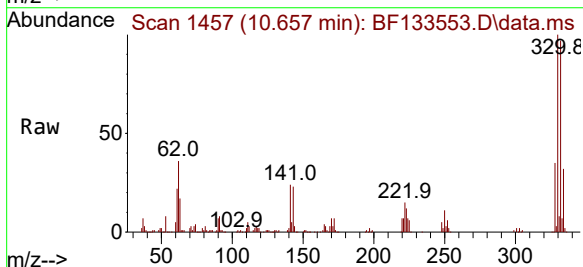
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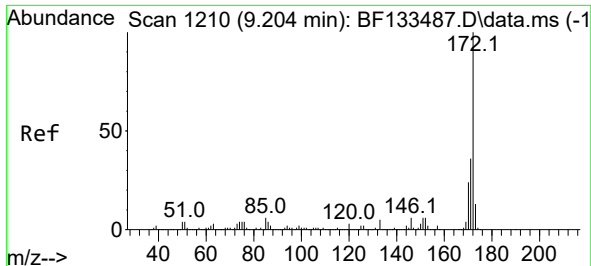
Tgt Ion:164 Resp: 259726
Ion Ratio Lower Upper
164 100
162 100.6 79.7 119.5
160 45.6 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 83.731 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF133553.D
Acq: 31 May 2023 22:38

Tgt Ion:330 Resp: 216779
Ion Ratio Lower Upper
330 100
332 96.0 77.8 116.6
141 32.6 26.6 40.0





#45

2-Fluorobiphenyl

Concen: 91.632 ng

RT: 9.192 min Scan# 1210

Delta R.T. -0.006 min

Lab File: BF133553.D

Acq: 31 May 2023 22:38

Instrument :

BNA_F

ClientSampleId :

WM6699AA

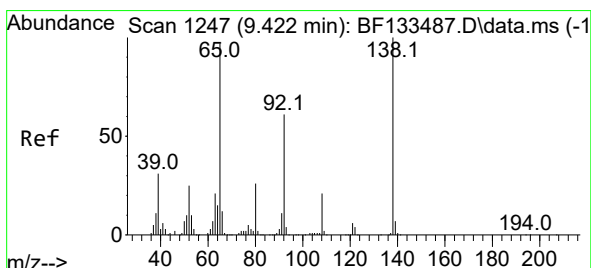
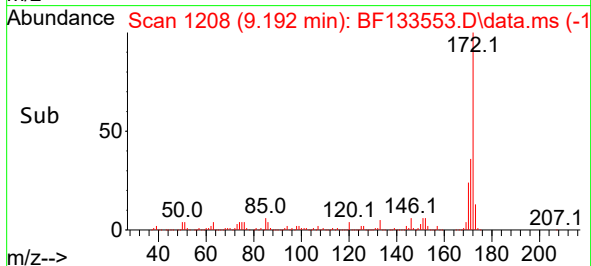
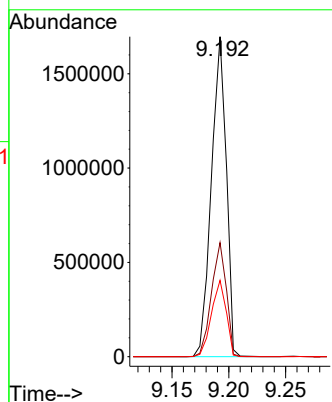
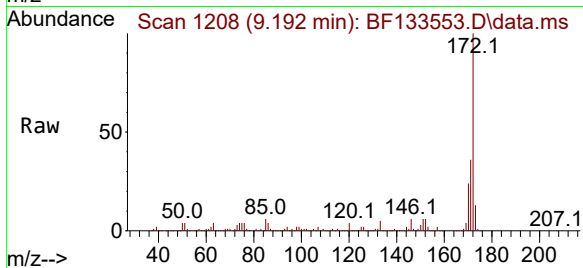
Tgt Ion:172 Resp: 1541962

Ion Ratio Lower Upper

172 100

171 35.7 28.4 42.6

170 23.9 19.3 28.9



#48

2-Nitroaniline

Concen: 4.502 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.224 min

Lab File: BF133553.D

Acq: 31 May 2023 22:38

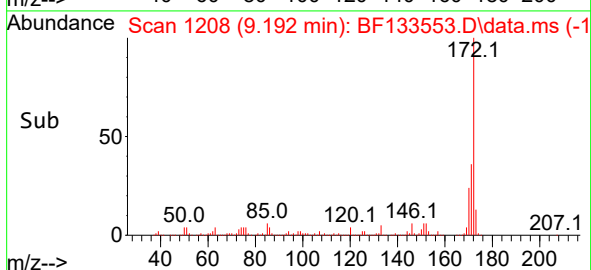
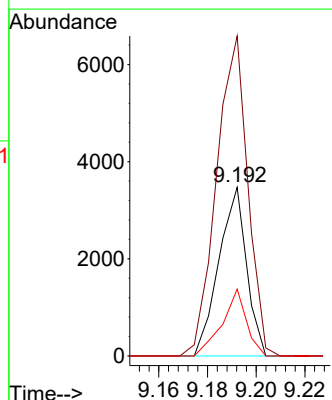
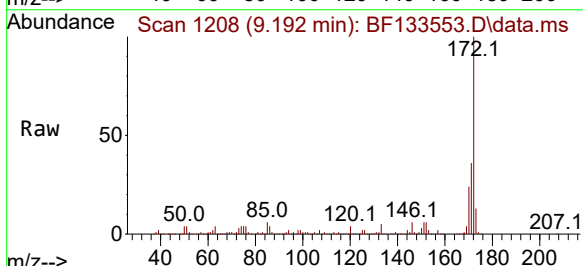
Tgt Ion: 65 Resp: 2739

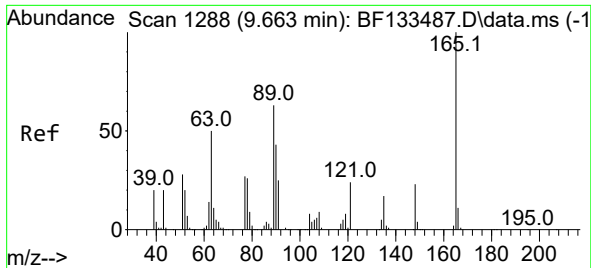
Ion Ratio Lower Upper

65 100

92 189.7 50.8 76.2#

138 39.7 82.6 124.0#

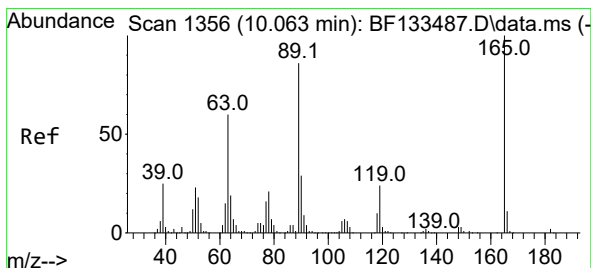
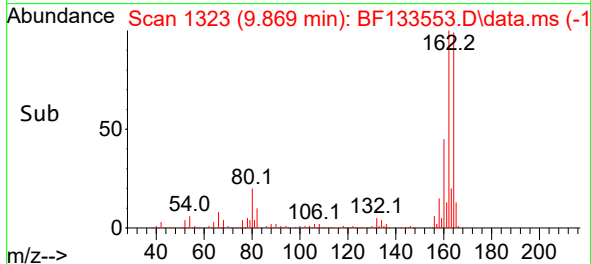
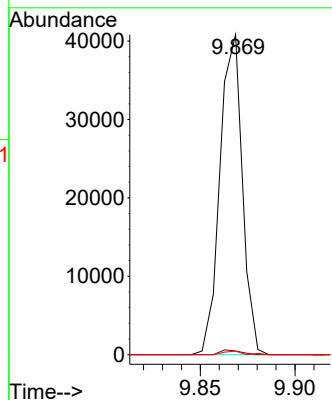
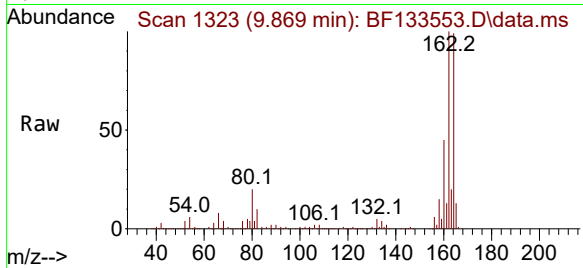




#51
2,6-Dinitrotoluene
Concen: 12.612 ng
RT: 9.869 min Scan# 1323
Delta R.T. 0.211 min
Lab File: BF133553.D
Acq: 31 May 2023 22:38

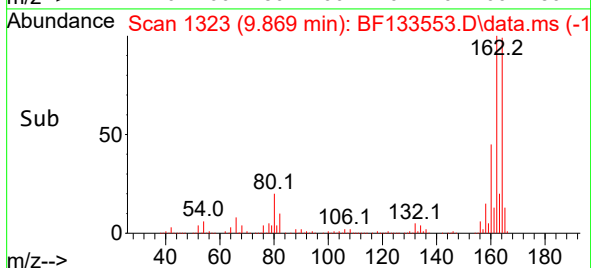
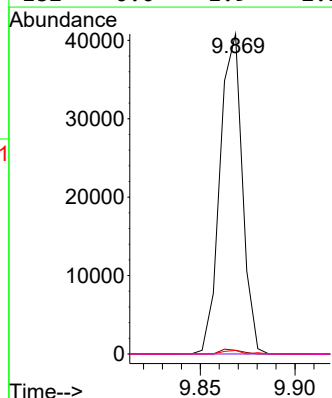
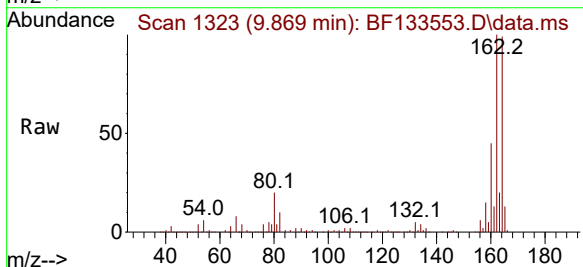
Instrument :
BNA_F
ClientSampleId :
WM6699AA

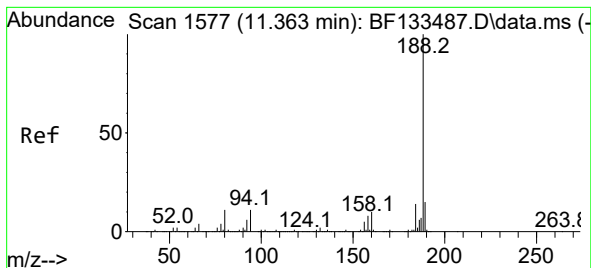
Tgt Ion:165 Resp: 33568
Ion Ratio Lower Upper
165 100
63 1.2 57.0 85.4#
89 1.1 50.8 76.2#



#57
2,4-Dinitrotoluene
Concen: 11.768 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.194 min
Lab File: BF133553.D
Acq: 31 May 2023 22:38

Tgt Ion:165 Resp: 33568
Ion Ratio Lower Upper
165 100
63 1.2 48.1 72.1#
89 1.1 68.4 102.6#
182 0.0 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF133553.D

Acq: 31 May 2023 22:38

Instrument :

BNA_F

ClientSampleId :

WM6699AA

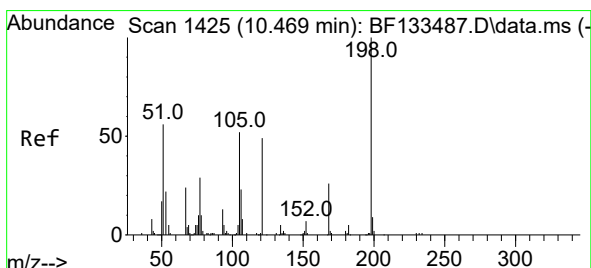
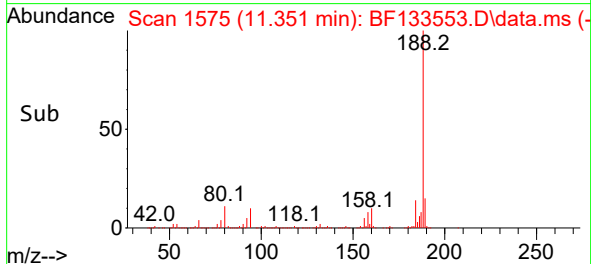
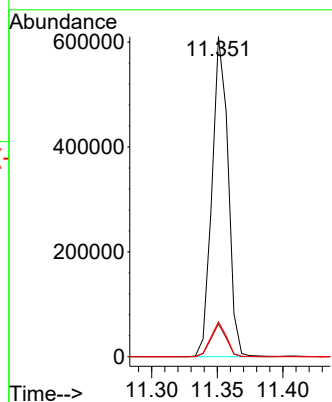
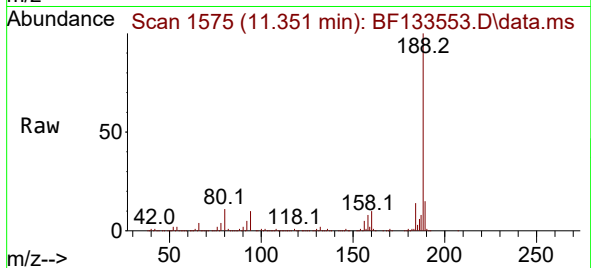
Tgt Ion:188 Resp: 521896

Ion Ratio Lower Upper

188 100

94 10.2 8.6 12.8

80 10.9 9.2 13.8



#65

4,6-Dinitro-2-methylphenol

Concen: 8.920 ng

RT: 10.657 min Scan# 1457

Delta R.T. 0.188 min

Lab File: BF133553.D

Acq: 31 May 2023 22:38

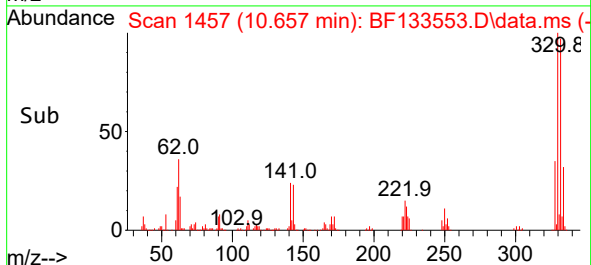
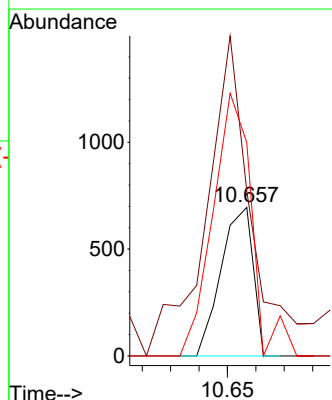
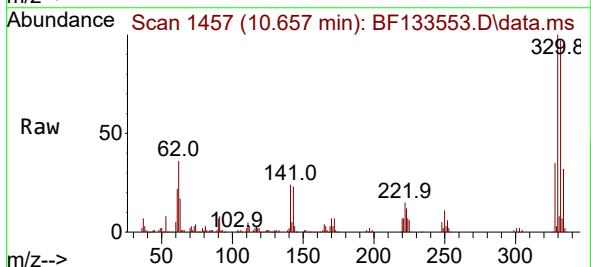
Tgt Ion:198 Resp: 544

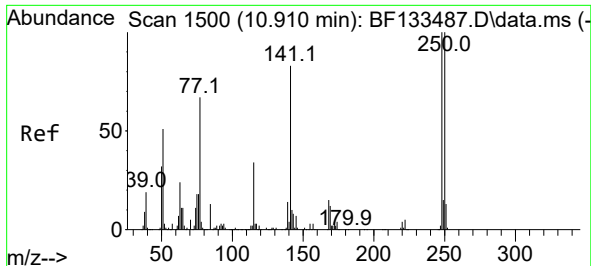
Ion Ratio Lower Upper

198 100

51 111.1 53.6 93.6#

105 143.5 35.9 75.9#





#67

4-Bromophenyl-phenylether

Concen: 2.326 ng

RT: 10.651 min Scan# 14

Delta R.T. -0.253 min

Lab File: BF133553.D

Acq: 31 May 2023 22:38

Instrument :

BNA_F

ClientSampleId :

WM6699AA

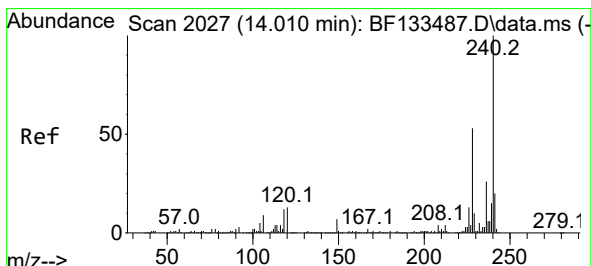
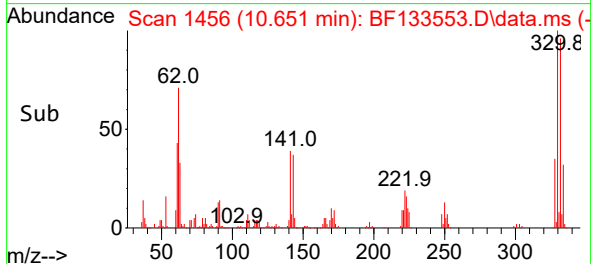
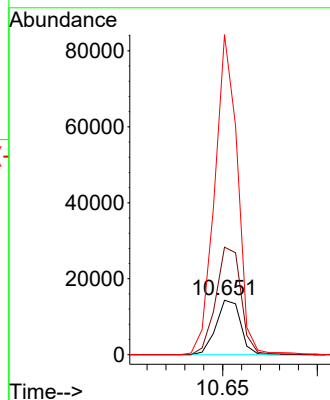
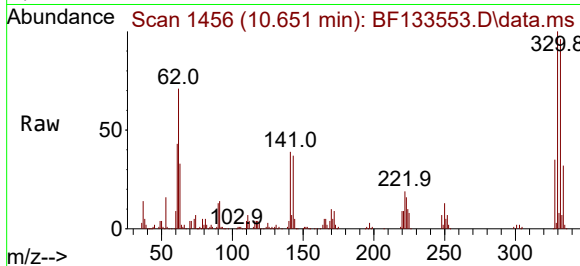
Tgt Ion:248 Resp: 12893

Ion Ratio Lower Upper

248 100

250 197.3 79.7 119.5#

141 587.5 66.6 100.0#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.992 min Scan# 2024

Delta R.T. -0.012 min

Lab File: BF133553.D

Acq: 31 May 2023 22:38

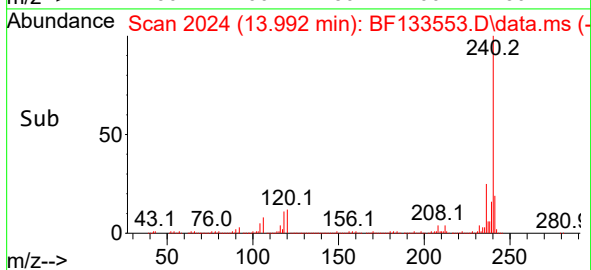
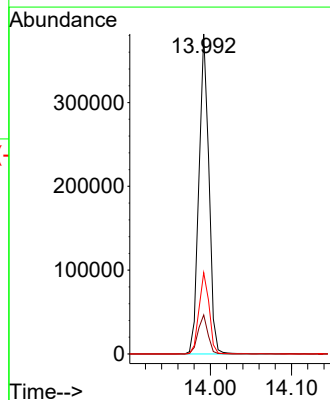
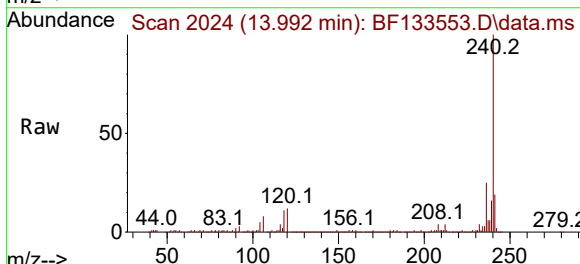
Tgt Ion:240 Resp: 327369

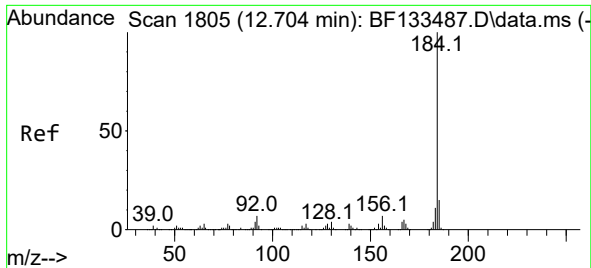
Ion Ratio Lower Upper

240 100

120 12.2 10.3 15.5

236 25.4 20.5 30.7

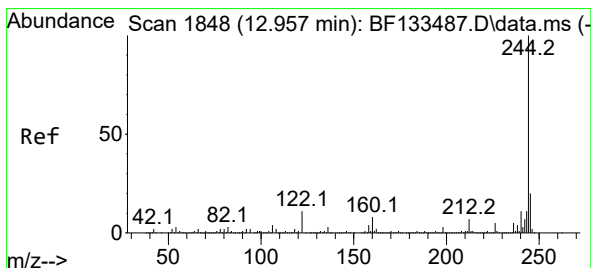
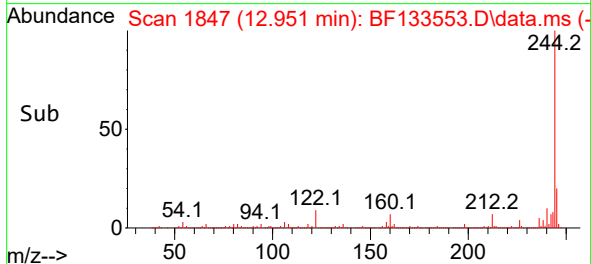
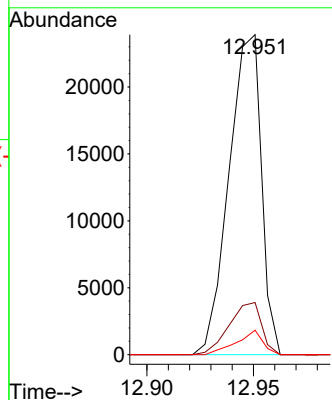
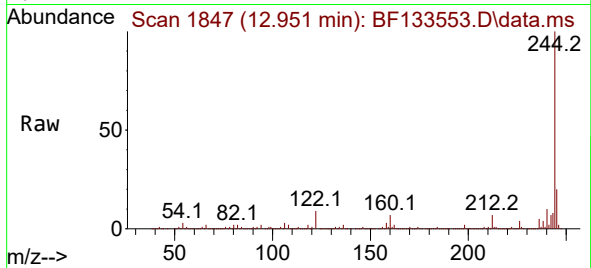




#77
Benzidine
Concen: 2.647 ng
RT: 12.951 min Scan# 1847
Delta R.T. 0.253 min
Lab File: BF133553.D
Acq: 31 May 2023 22:38

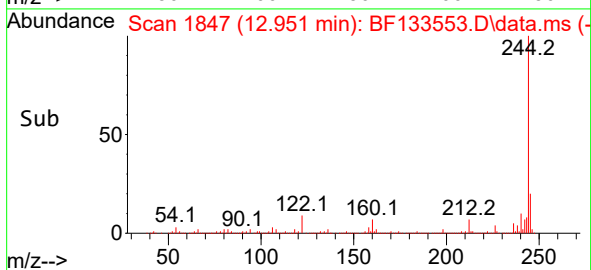
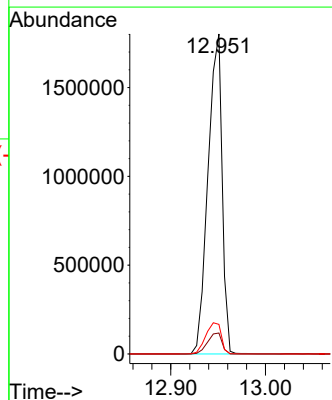
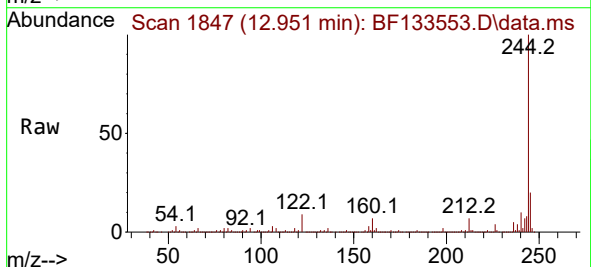
Instrument :
BNA_F
ClientSampleId :
WM6699AA

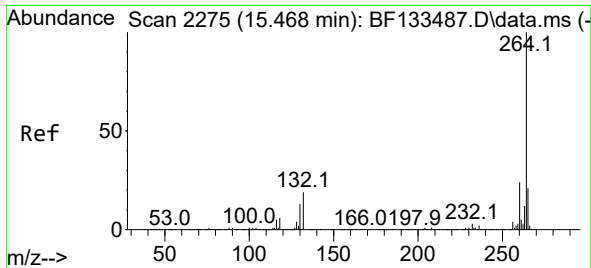
Tgt Ion:184 Resp: 25346
Ion Ratio Lower Upper
184 100
185 16.3 12.2 18.2
183 7.6 8.7 13.1#



#79
Terphenyl-d14
Concen: 100.800 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.000 min
Lab File: BF133553.D
Acq: 31 May 2023 22:38

Tgt Ion:244 Resp: 1855962
Ion Ratio Lower Upper
244 100
212 6.6 5.8 8.6
122 9.2 8.5 12.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133553.D
Acq: 31 May 2023 22:38

Instrument :
BNA_F
ClientSampleId :
WM6699AA

Tgt Ion:264 Resp: 321240
Ion Ratio Lower Upper
264 100
260 22.8 19.0 28.4
265 21.2 16.8 25.2

