

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052423\
 Data File : BG057531.D
 Acq On : 24 May 2023 11:14
 Operator : CG/JU
 Sample : PB152934BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB152934BL

Quant Time: May 25 02:22:53 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 02:19:01 2023
 Response via : Initial Calibration

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

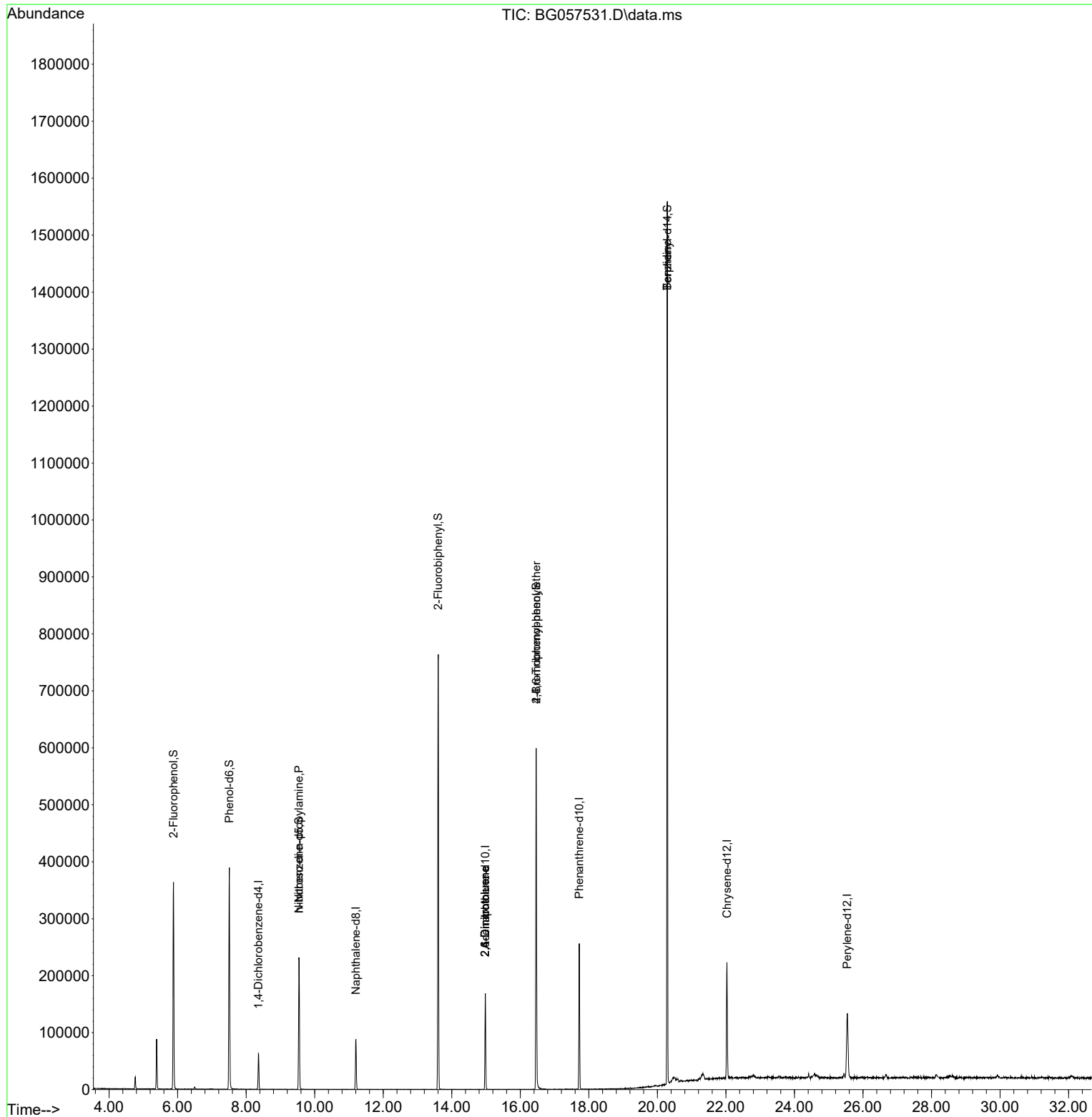
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.360	152	18530	20.000	ng	0.00
21) Naphthalene-d8	11.203	136	77307	20.000	ng	0.00
39) Acenaphthene-d10	14.981	164	63784	20.000	ng	0.00
64) Phenanthrene-d10	17.718	188	171163	20.000	ng	0.00
76) Chrysene-d12	22.030	240	134596	20.000	ng	0.00
86) Perylene-d12	25.543	264	144300	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.881	112	159275	147.036	ng	0.00
7) Phenol-d6	7.508	99	237872	144.608	ng	0.00
23) Nitrobenzene-d5	9.541	82	153332	83.245	ng	0.00
42) 2,4,6-Tribromophenol	16.467	330	137903	152.374	ng	0.00
45) 2-Fluorobiphenyl	13.606	172	419374	88.551	ng	0.00
79) Terphenyl-d14	20.291	244	826715	100.236	ng	0.00
Target Compounds						
9) Benzaldehyde	7.502	77	228	Below Cal	Qvalue	# 4
19) n-Nitroso-di-n-propyla...	9.541	70	21052	16.784	ng	# 77
51) 2,6-Dinitrotoluene	14.975	165	8430	7.877	ng	# 17
57) 2,4-Dinitrotoluene	14.975	165	8430	5.512	ng	# 20
67) 4-Bromophenyl-phenylether	16.467	248	9411	4.504	ng	# 1
77) Benzidine	20.285	184	11943	3.969	ng	# 92

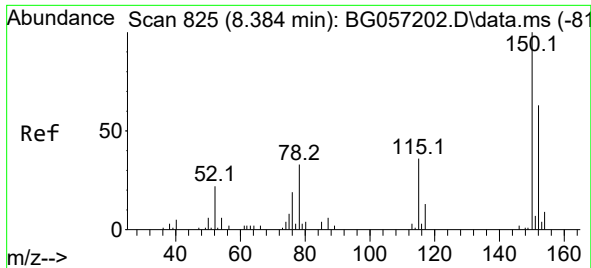
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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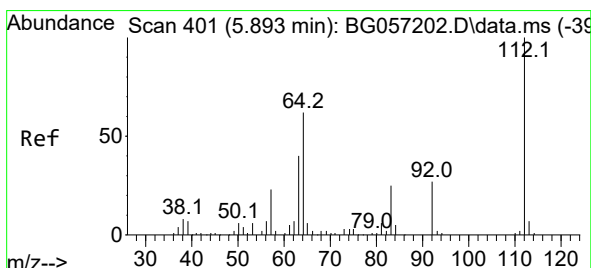
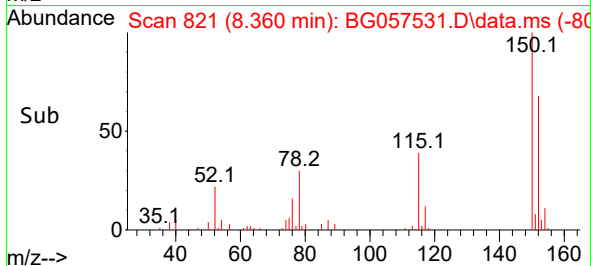
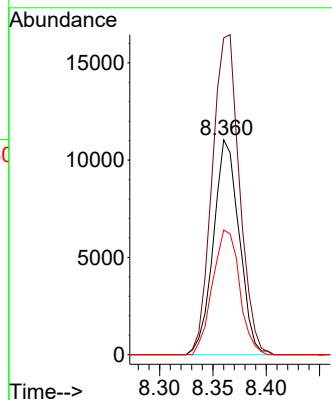
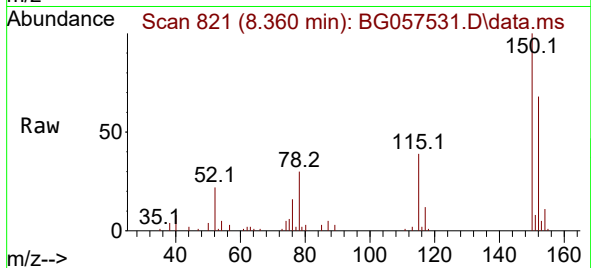




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.360 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG057531.D
Acq: 24 May 2023 11:14

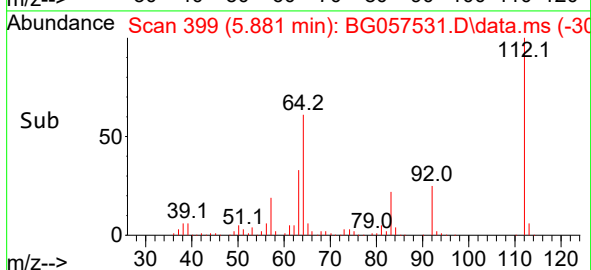
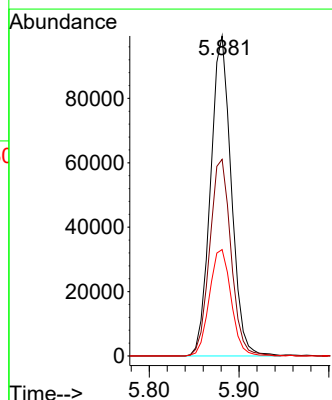
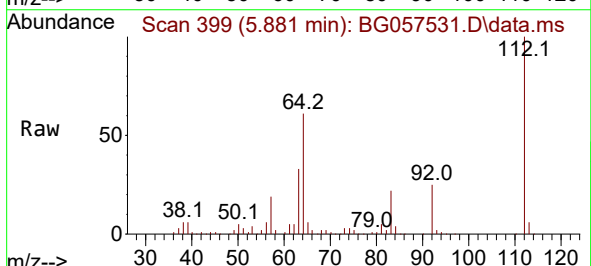
Instrument :
BNA_G
ClientSampleId :
PB152934BL

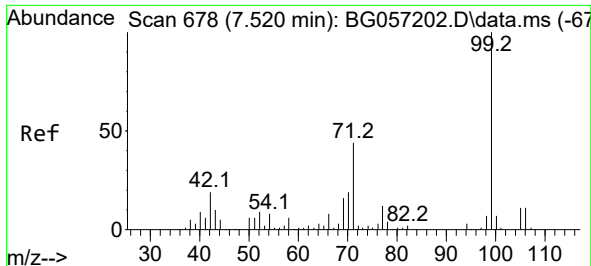
Tgt Ion:152 Resp: 18530
Ion Ratio Lower Upper
152 100
150 147.4 126.2 189.4
115 58.0 45.0 67.4



#5
2-Fluorophenol
Concen: 147.036 ng
RT: 5.881 min Scan# 399
Delta R.T. 0.006 min
Lab File: BG057531.D
Acq: 24 May 2023 11:14

Tgt Ion:112 Resp: 159275
Ion Ratio Lower Upper
112 100
64 61.4 49.4 74.2
63 33.2 31.6 47.4

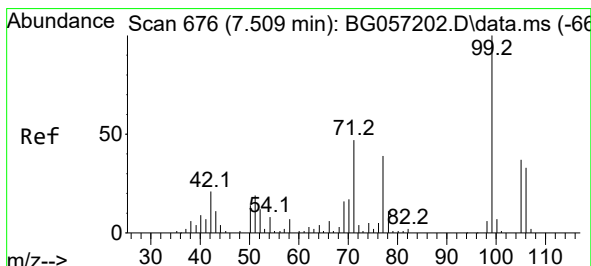
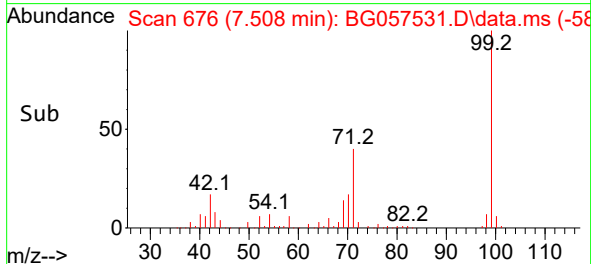
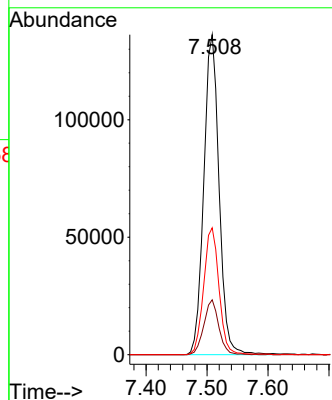
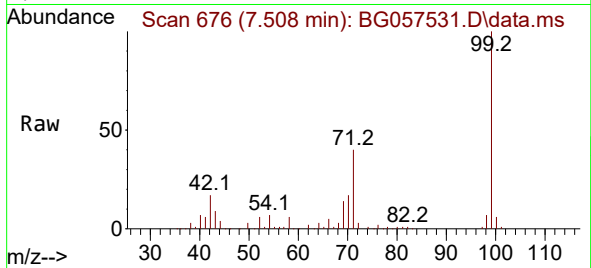




#7
Phenol-d6
Concen: 144.608 ng
RT: 7.508 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG057531.D
Acq: 24 May 2023 11:14

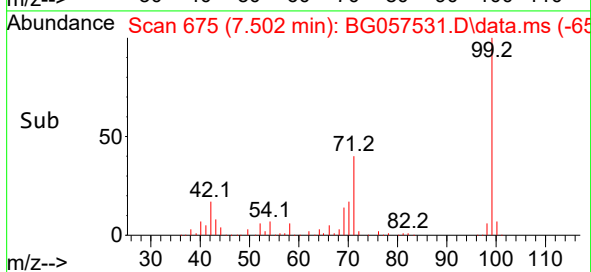
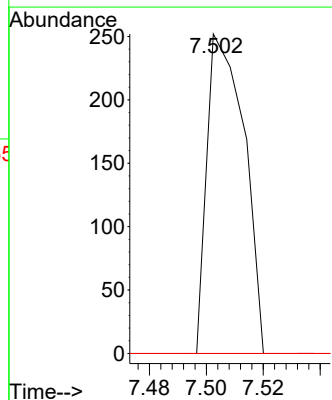
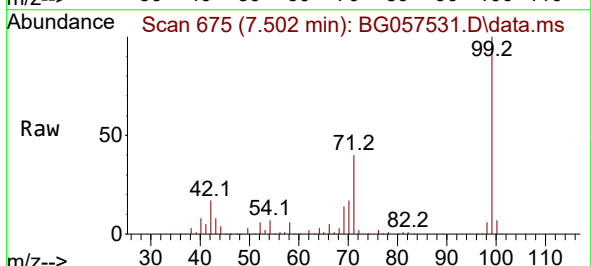
Instrument :
BNA_G
ClientSampleId :
PB152934BL

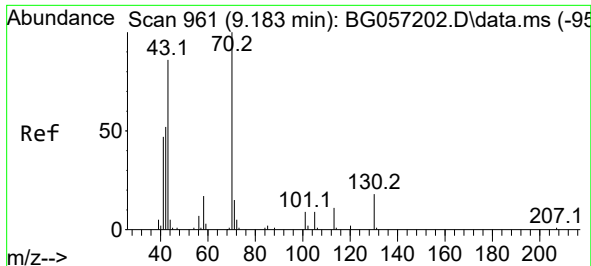
Tgt Ion: 99 Resp: 237872
Ion Ratio Lower Upper
99 100
42 17.1 15.1 22.7
71 39.6 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.502 min Scan# 675
Delta R.T. 0.012 min
Lab File: BG057531.D
Acq: 24 May 2023 11:14

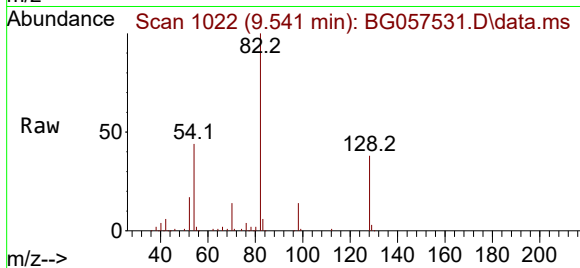
Tgt Ion: 77 Resp: 228
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#



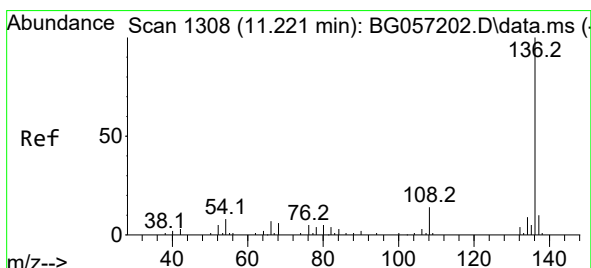
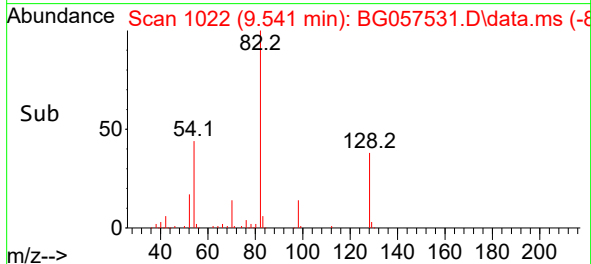
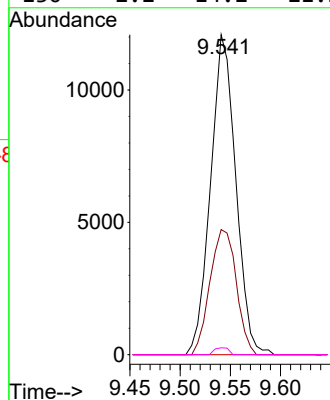


#19
n-Nitroso-di-n-propylamine
Concen: 16.784 ng
RT: 9.541 min Scan# 1022
Delta R.T. 0.376 min
Lab File: BG057531.D
Acq: 24 May 2023 11:14

Instrument :
BNA_G
ClientSampleId :
PB152934BL

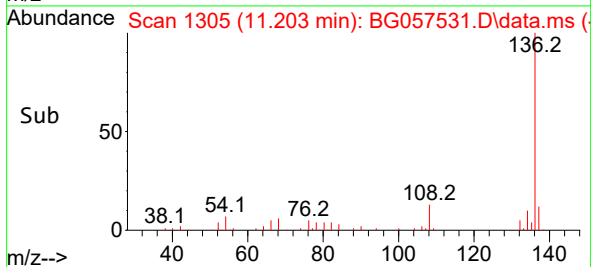
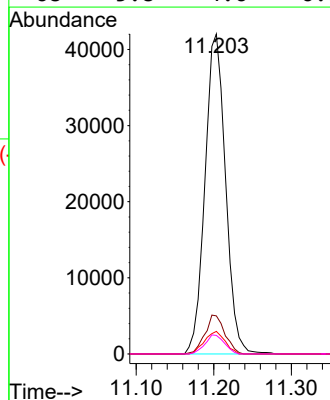
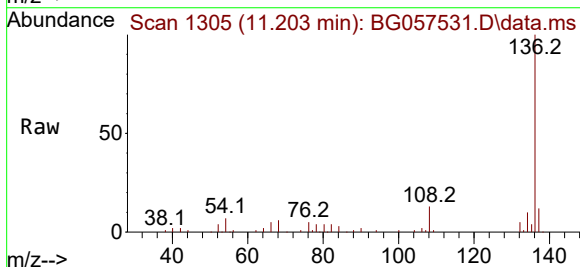


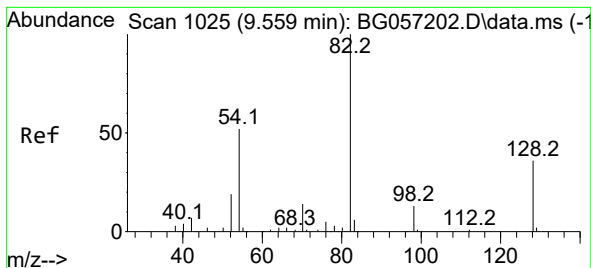
Tgt Ion: 70 Resp: 21052
Ion Ratio Lower Upper
70 100
42 39.1 41.8 62.8#
101 0.0 6.8 10.2#
130 2.2 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.203 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BG057531.D
Acq: 24 May 2023 11:14

Tgt Ion: 136 Resp: 77307
Ion Ratio Lower Upper
136 100
137 11.9 8.3 12.5
54 7.0 6.7 10.1
68 5.8 4.6 6.8





#23

Nitrobenzene-d5

Concen: 83.245 ng

RT: 9.541 min Scan# 1022

Delta R.T. -0.006 min

Lab File: BG057531.D

Acq: 24 May 2023 11:14

Instrument :

BNA_G

ClientSampleId :

PB152934BL

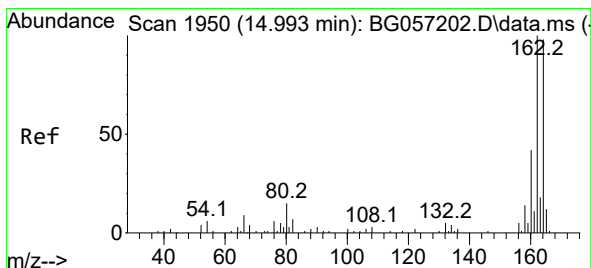
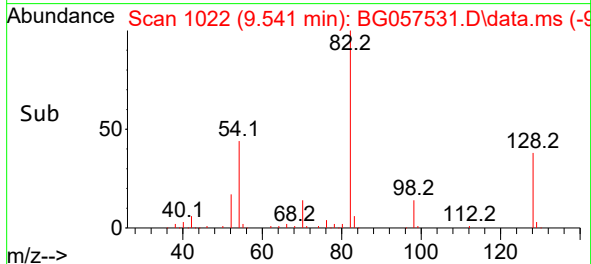
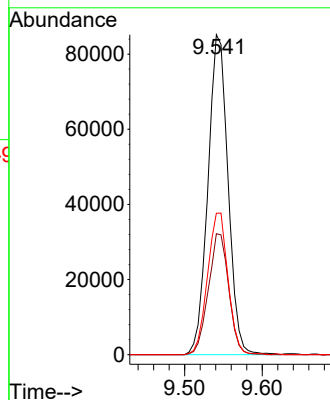
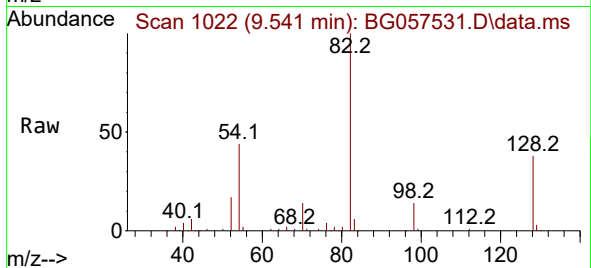
Tgt Ion: 82 Resp: 153332

Ion Ratio Lower Upper

82 100

128 37.8 29.0 43.4

54 44.2 41.4 62.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.981 min Scan# 1948

Delta R.T. 0.000 min

Lab File: BG057531.D

Acq: 24 May 2023 11:14

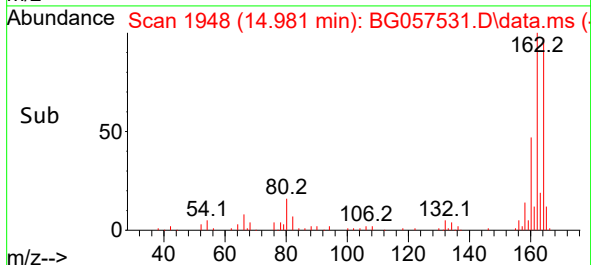
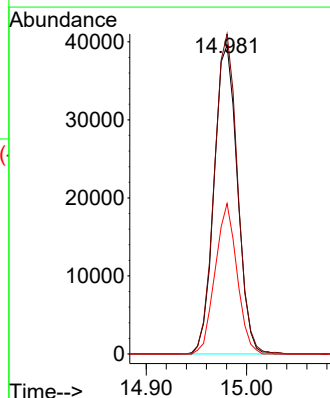
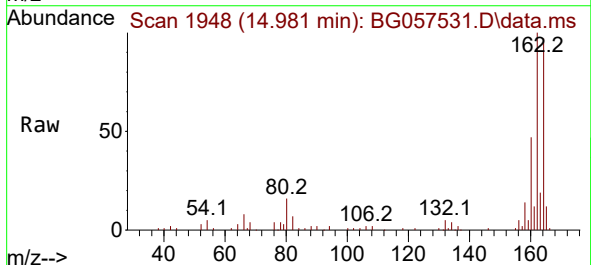
Tgt Ion:164 Resp: 63784

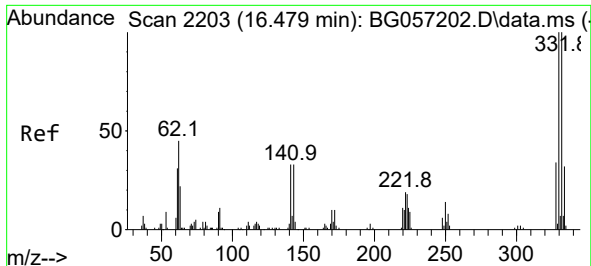
Ion Ratio Lower Upper

164 100

162 103.6 81.8 122.6

160 48.7 34.6 52.0

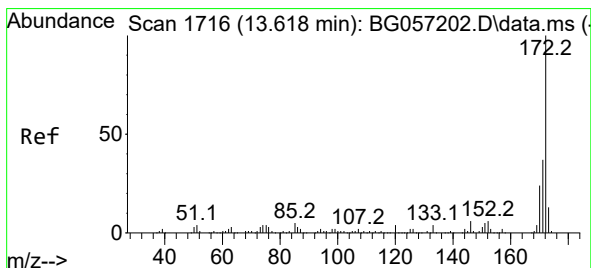
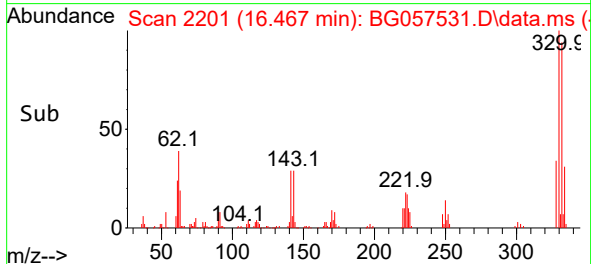
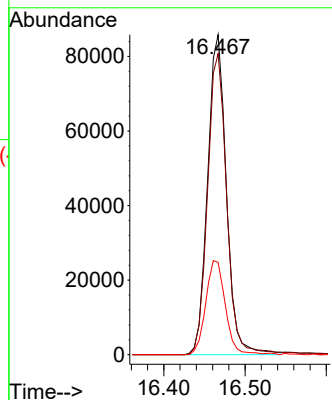
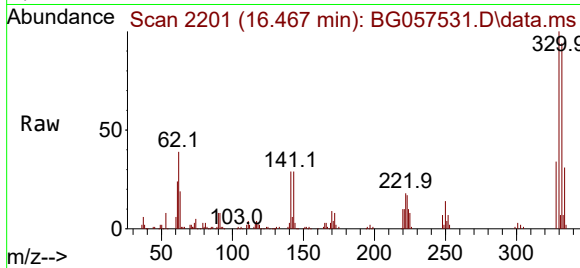




#42
2,4,6-Tribromophenol
Concen: 152.374 ng
RT: 16.467 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG057531.D
Acq: 24 May 2023 11:14

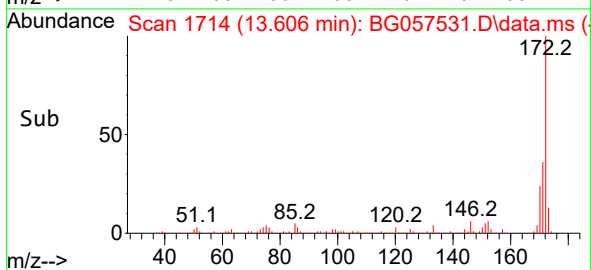
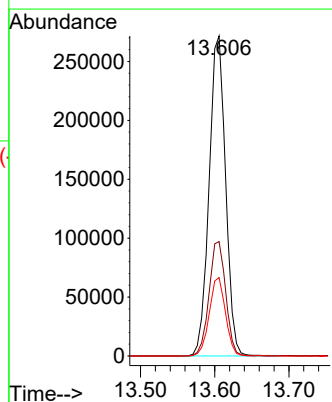
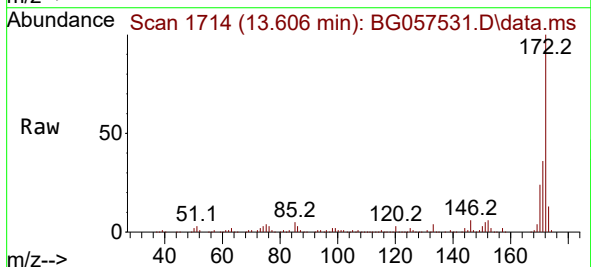
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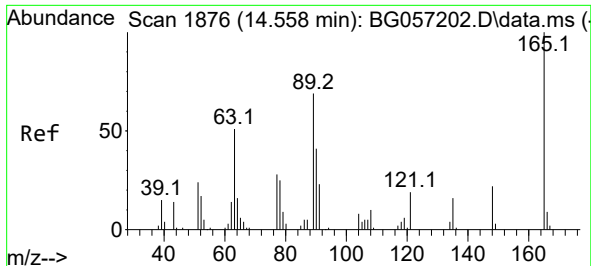
Tgt Ion:330 Resp: 137903
Ion Ratio Lower Upper
330 100
332 96.6 78.2 117.2
141 30.7 27.8 41.8



#45
2-Fluorobiphenyl
Concen: 88.551 ng
RT: 13.606 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BG057531.D
Acq: 24 May 2023 11:14

Tgt Ion:172 Resp: 419374
Ion Ratio Lower Upper
172 100
171 35.7 29.4 44.0
170 24.5 19.0 28.6

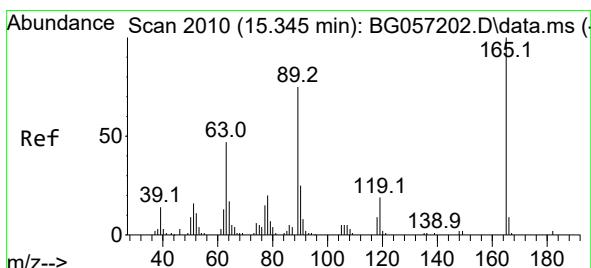
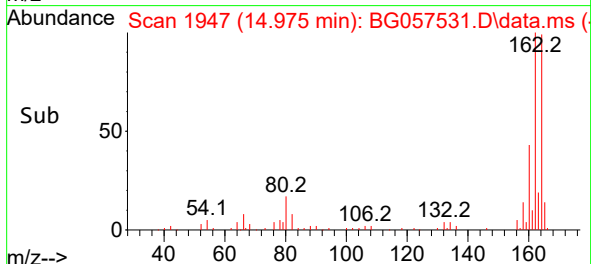
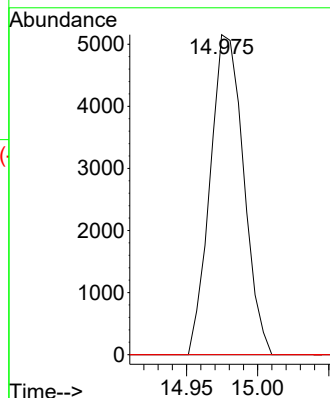
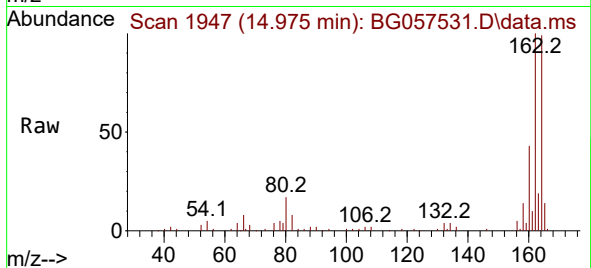




#51
2,6-Dinitrotoluene
Concen: 7.877 ng
RT: 14.975 min Scan# 1947
Delta R.T. 0.423 min
Lab File: BG057531.D
Acq: 24 May 2023 11:14

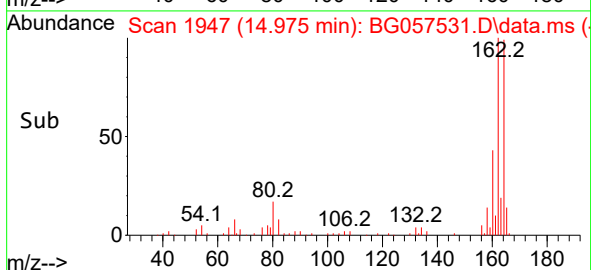
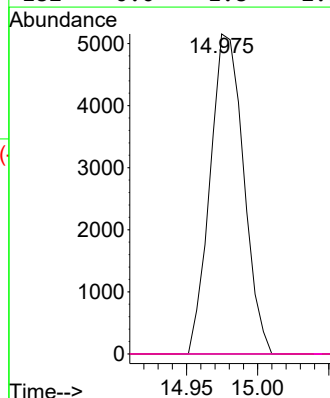
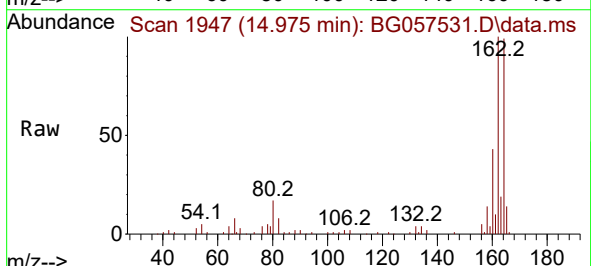
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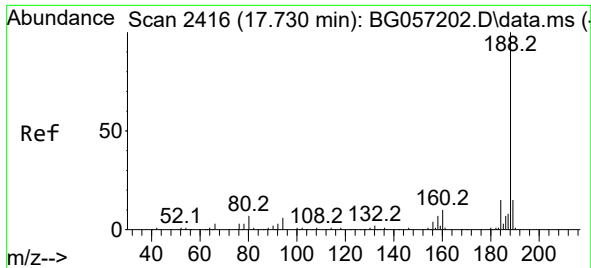
Tgt Ion:165 Resp: 8430
Ion Ratio Lower Upper
165 100
63 0.0 50.9 76.3#
89 0.0 55.2 82.8#



#57
2,4-Dinitrotoluene
Concen: 5.512 ng
RT: 14.975 min Scan# 1947
Delta R.T. -0.364 min
Lab File: BG057531.D
Acq: 24 May 2023 11:14

Tgt Ion:165 Resp: 8430
Ion Ratio Lower Upper
165 100
63 0.0 37.5 56.3#
89 0.0 60.2 90.4#
182 0.0 1.8 2.8#

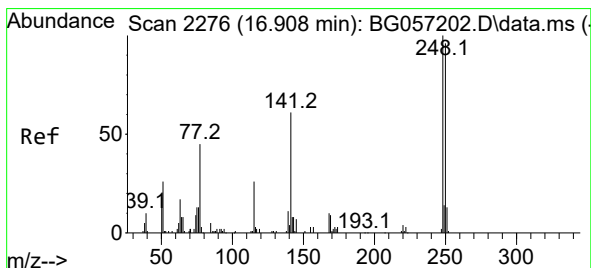
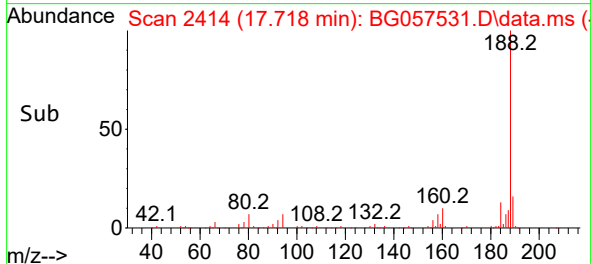
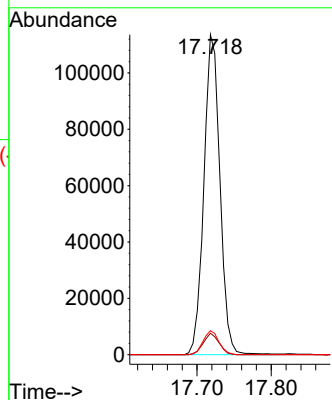
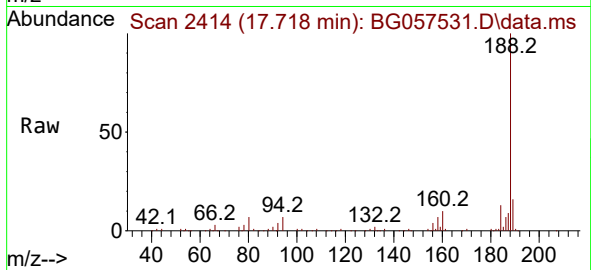




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.718 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BG057531.D
Acq: 24 May 2023 11:14

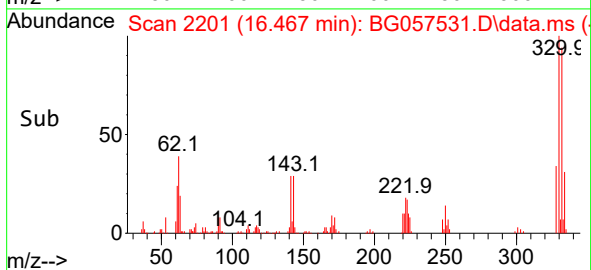
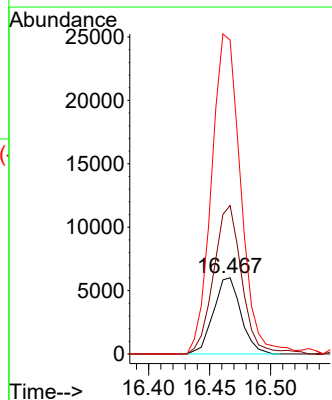
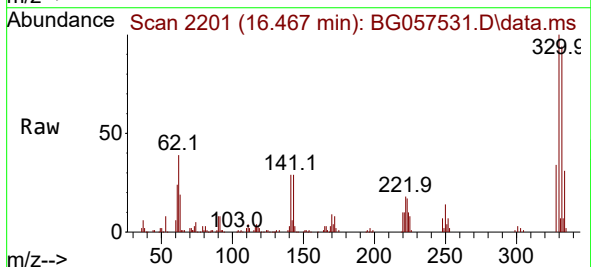
Instrument :
BNA_G
ClientSampleId :
PB152934BL

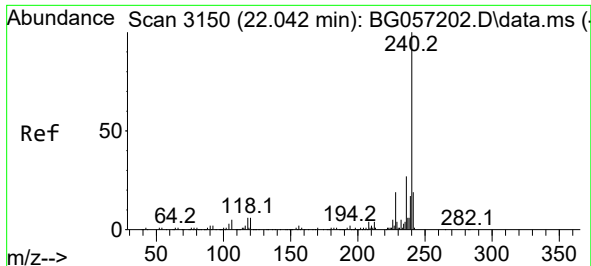
Tgt Ion:188 Resp: 171163
Ion Ratio Lower Upper
188 100
94 6.7 5.1 7.7
80 7.5 5.7 8.5



#67
4-Bromophenyl-phenylether
Concen: 4.504 ng
RT: 16.467 min Scan# 2201
Delta R.T. -0.429 min
Lab File: BG057531.D
Acq: 24 May 2023 11:14

Tgt Ion:248 Resp: 9411
Ion Ratio Lower Upper
248 100
250 194.7 77.0 115.6#
141 411.6 48.6 72.8#

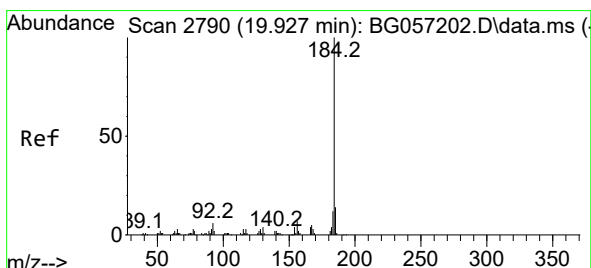
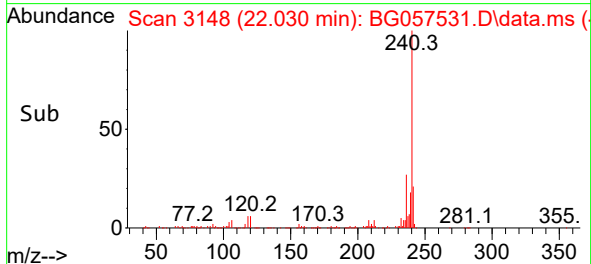
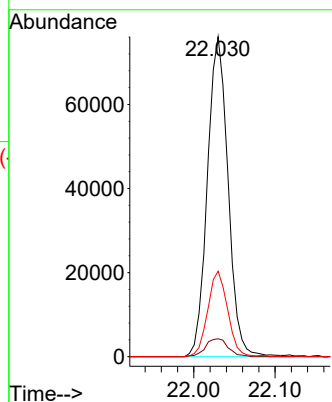
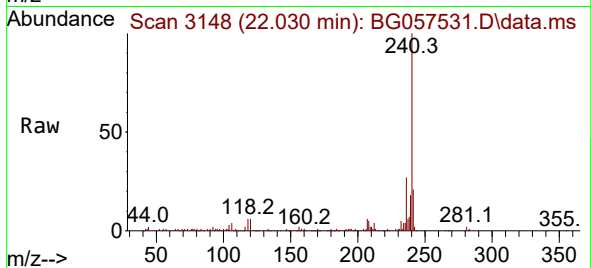




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.030 min Scan# 3150
Delta R.T. -0.006 min
Lab File: BG057531.D
Acq: 24 May 2023 11:14

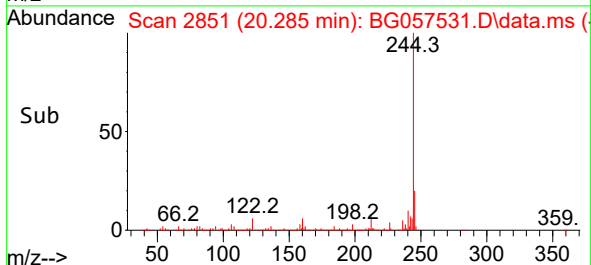
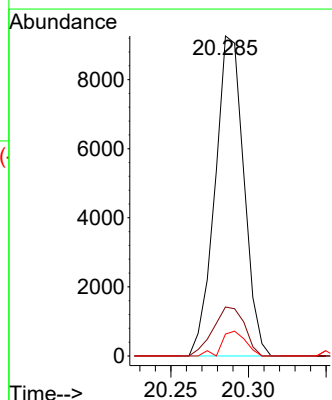
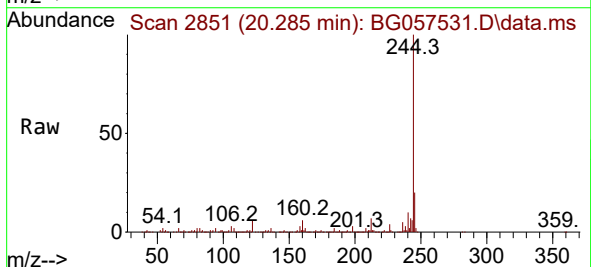
Instrument :
BNA_G
ClientSampleId :
PB152934BL

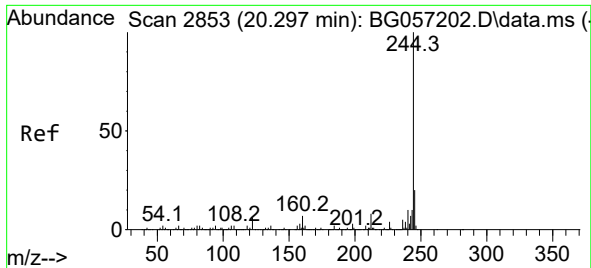
Tgt Ion:240 Resp: 134596
Ion Ratio Lower Upper
240 100
120 5.6 4.9 7.3
236 26.7 21.4 32.2



#77
Benzidine
Concen: 3.969 ng
RT: 20.285 min Scan# 2851
Delta R.T. 0.364 min
Lab File: BG057531.D
Acq: 24 May 2023 11:14

Tgt Ion:184 Resp: 11943
Ion Ratio Lower Upper
184 100
185 15.3 11.1 16.7
183 6.8 9.9 14.9#

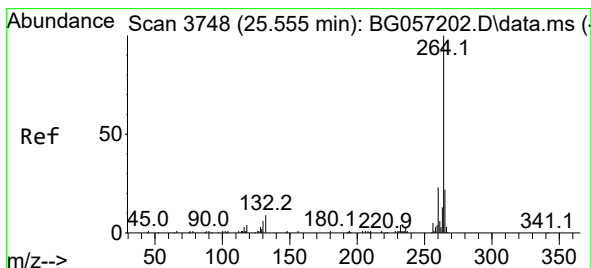
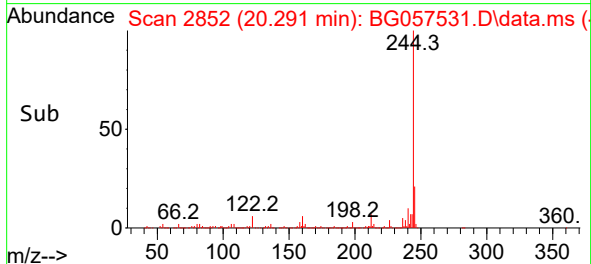
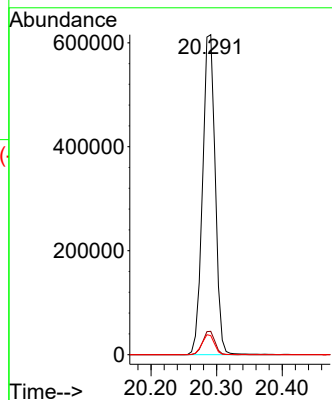
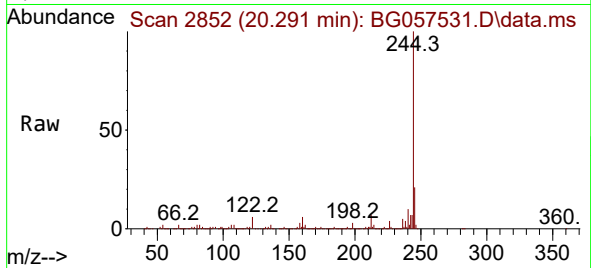




#79
 Terphenyl-d14
 Concen: 100.236 ng
 RT: 20.291 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG057531.D
 Acq: 24 May 2023 11:14

Instrument :
 BNA_G
 ClientSampleId :
 PB152934BL

Tgt Ion:244 Resp: 826715
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 5.9 5.1 7.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.543 min Scan# 3746
 Delta R.T. 0.000 min
 Lab File: BG057531.D
 Acq: 24 May 2023 11:14

Tgt Ion:264 Resp: 144300
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.8 28.2
 265 23.7 17.9 26.9

