

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
 Data File : BG057488.D
 Acq On : 22 May 2023 11:06
 Operator : CG/JU
 Sample : PB152920BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB152920BL

Quant Time: May 22 11:46:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 20 04:19:55 2023
 Response via : Initial Calibration

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

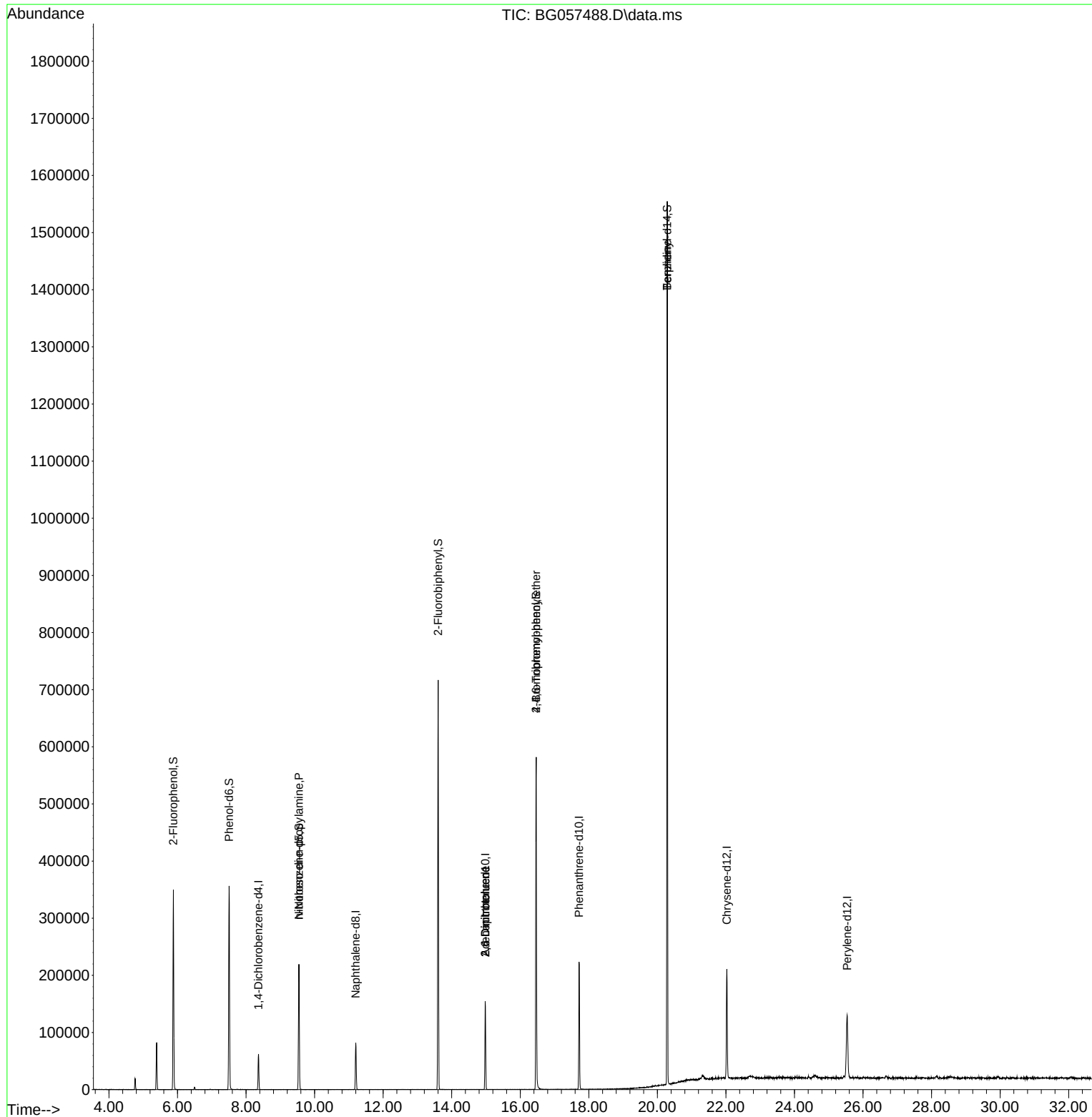
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.363	152	18073	20.000	ng	0.00
21) Naphthalene-d8	11.200	136	72550	20.000	ng	0.00
39) Acenaphthene-d10	14.977	164	57824	20.000	ng	0.00
64) Phenanthrene-d10	17.715	188	157901	20.000	ng	0.00
76) Chrysene-d12	22.027	240	128293	20.000	ng	0.00
86) Perylene-d12	25.534	264	139036	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.878	112	148141	140.216	ng	0.00
7) Phenol-d6	7.505	99	214870	133.928	ng	0.00
23) Nitrobenzene-d5	9.544	82	139898	80.932	ng	0.00
42) 2,4,6-Tribromophenol	16.464	330	127038	154.837	ng	0.00
45) 2-Fluorobiphenyl	13.603	172	385719	89.839	ng	0.00
79) Terphenyl-d14	20.288	244	779332	99.133	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.505	77	455	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	9.544	70	19681	16.088	ng	# 79
51) 2,6-Dinitrotoluene	14.977	165	7427	7.655	ng	# 17
57) 2,4-Dinitrotoluene	14.977	165	7427	5.356	ng	# 20
67) 4-Bromophenyl-phenylether	16.464	248	8898	4.616	ng	# 1
77) Benzidine	20.288	184	11363	3.962	ng	# 92

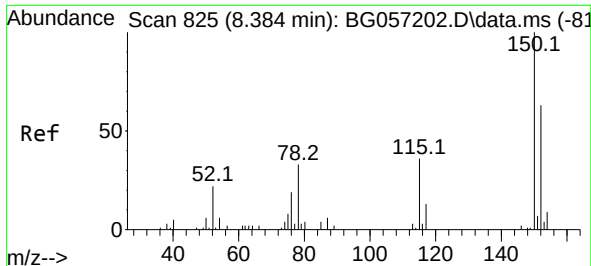
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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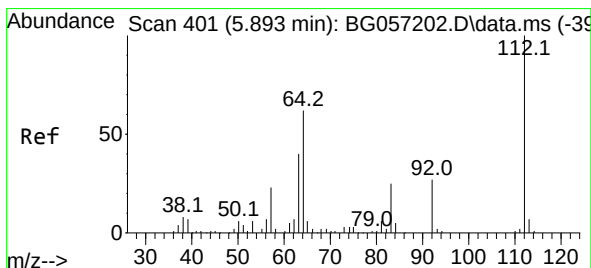
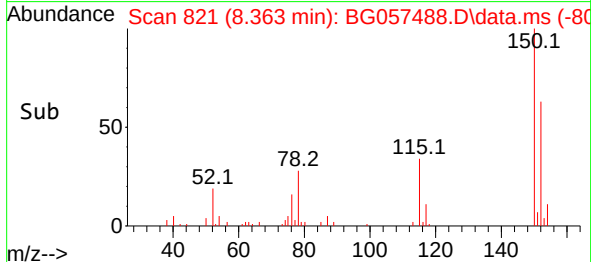
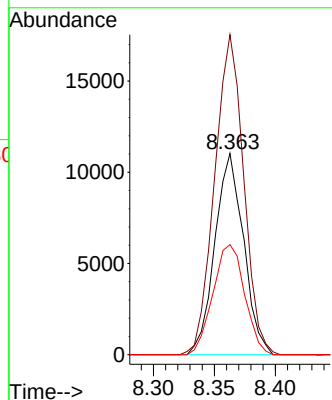
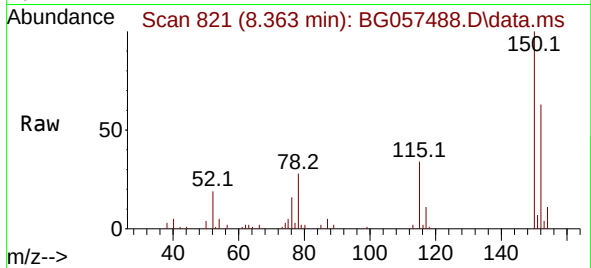




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.363 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG057488.D
Acq: 22 May 2023 11:06

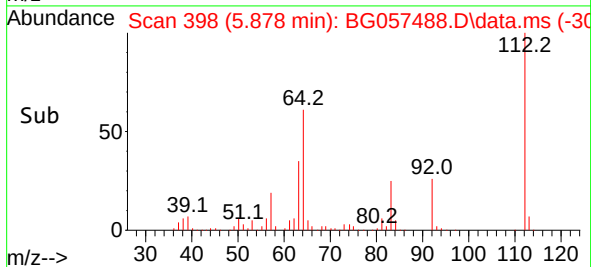
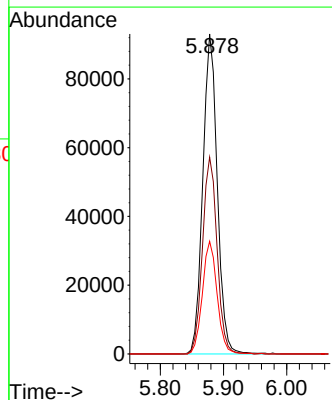
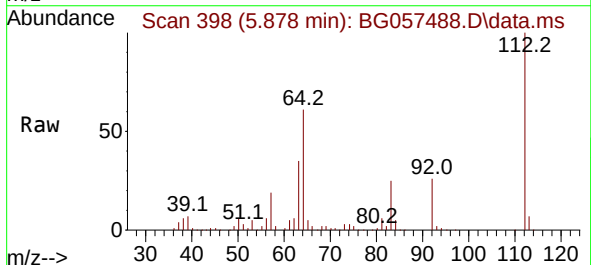
Instrument :
BNA_G
ClientSampleId :
PB152920BL

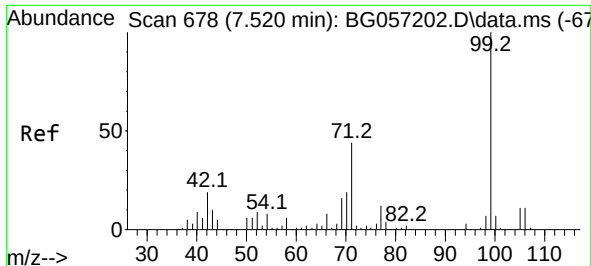
Tgt Ion:152 Resp: 18073
Ion Ratio Lower Upper
152 100
150 159.0 126.2 189.4
115 54.7 45.0 67.4



#5
2-Fluorophenol
Concen: 140.216 ng
RT: 5.878 min Scan# 398
Delta R.T. 0.007 min
Lab File: BG057488.D
Acq: 22 May 2023 11:06

Tgt Ion:112 Resp: 148141
Ion Ratio Lower Upper
112 100
64 61.5 49.4 74.2
63 35.2 31.6 47.4

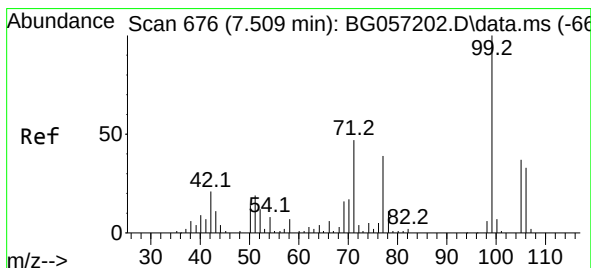
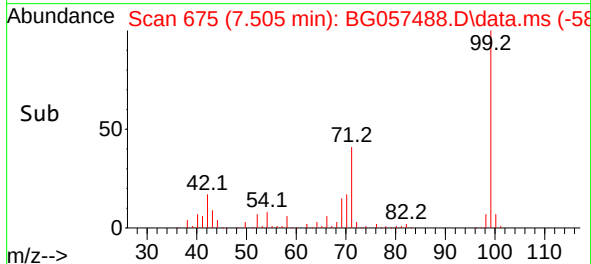
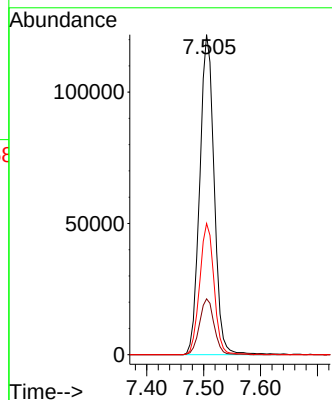
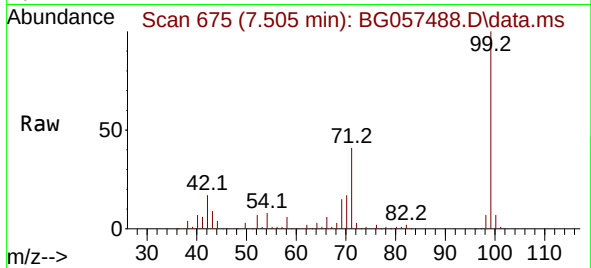




#7
Phenol-d6
Concen: 133.928 ng
RT: 7.505 min Scan# 675
Delta R.T. 0.007 min
Lab File: BG057488.D
Acq: 22 May 2023 11:06

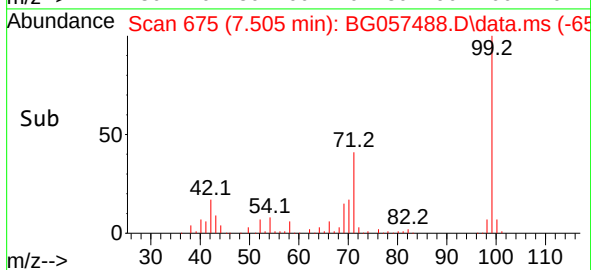
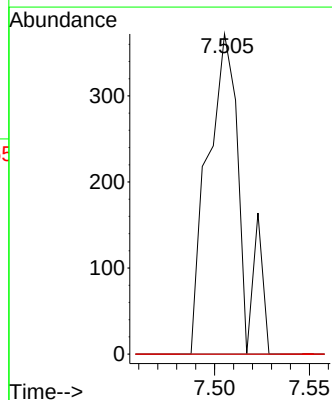
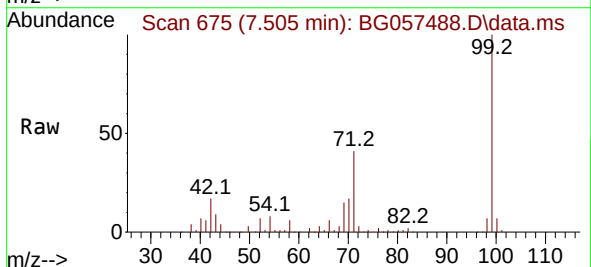
Instrument :
BNA_G
ClientSampleId :
PB152920BL

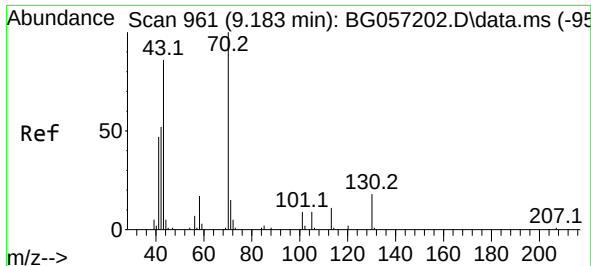
Tgt Ion: 99 Resp: 214870
Ion Ratio Lower Upper
99 100
42 17.5 15.1 22.7
71 41.0 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.505 min Scan# 675
Delta R.T. 0.019 min
Lab File: BG057488.D
Acq: 22 May 2023 11:06

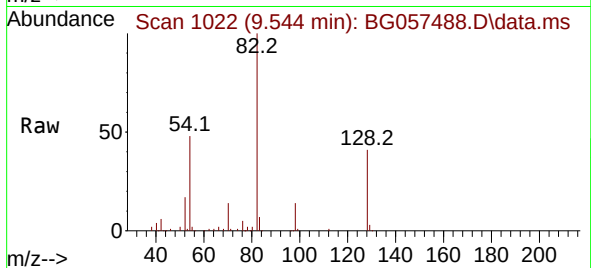
Tgt Ion: 77 Resp: 455
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#



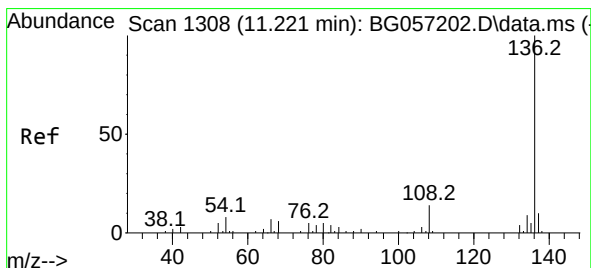
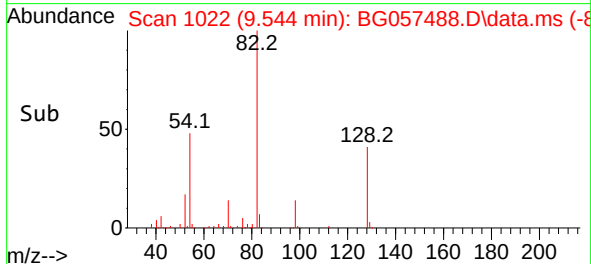
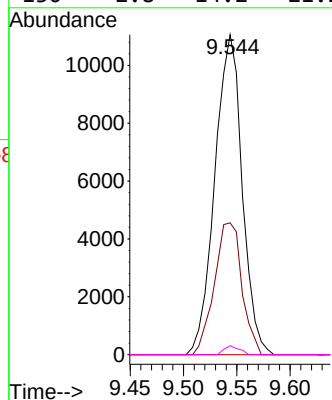


#19
n-Nitroso-di-n-propylamine
Concen: 16.088 ng
RT: 9.544 min Scan# 1022
Delta R.T. 0.383 min
Lab File: BG057488.D
Acq: 22 May 2023 11:06

Instrument :
BNA_G
ClientSampleId :
PB152920BL

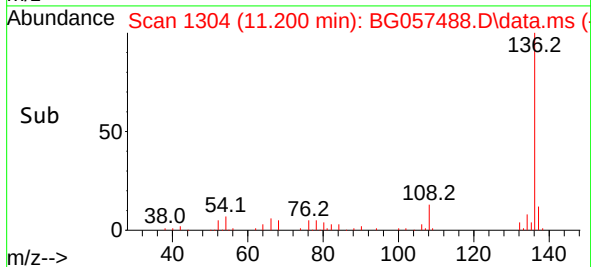
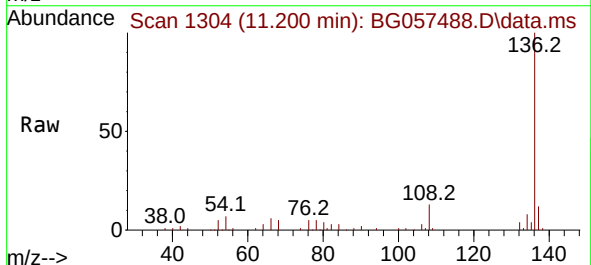
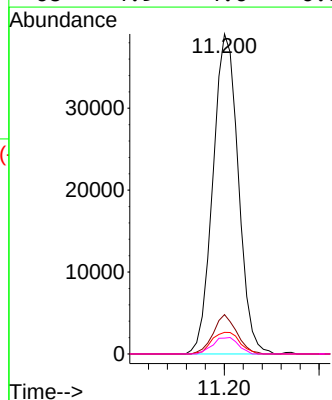


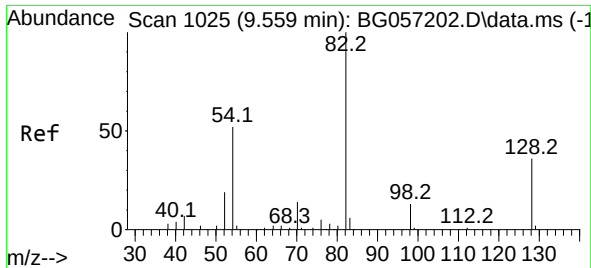
Tgt Ion: 70 Resp: 19681
Ion Ratio Lower Upper
70 100
42 41.2 41.8 62.8#
101 0.0 6.8 10.2#
130 2.8 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.200 min Scan# 1304
Delta R.T. 0.001 min
Lab File: BG057488.D
Acq: 22 May 2023 11:06

Tgt Ion: 136 Resp: 72550
Ion Ratio Lower Upper
136 100
137 12.3 8.3 12.5
54 6.8 6.7 10.1
68 4.9 4.6 6.8

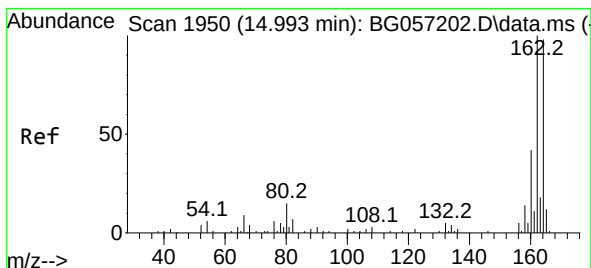
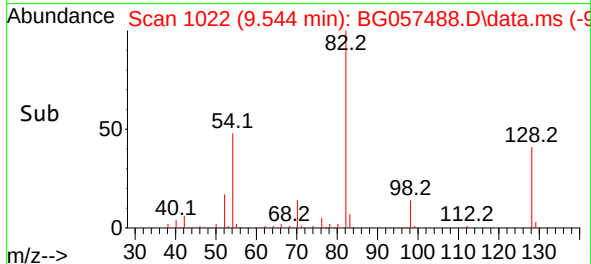
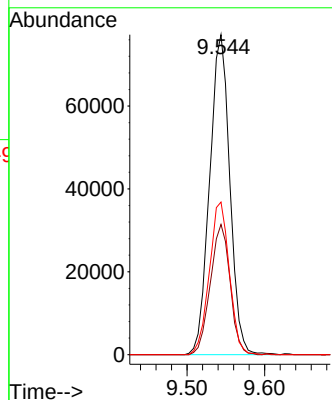
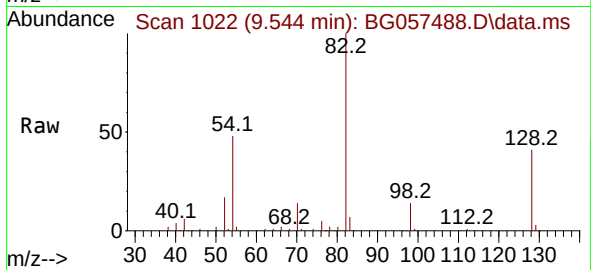




#23
Nitrobenzene-d5
Concen: 80.932 ng
RT: 9.544 min Scan# 1025
Delta R.T. 0.007 min
Lab File: BG057488.D
Acq: 22 May 2023 11:06

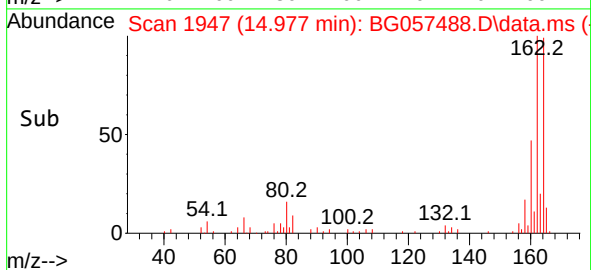
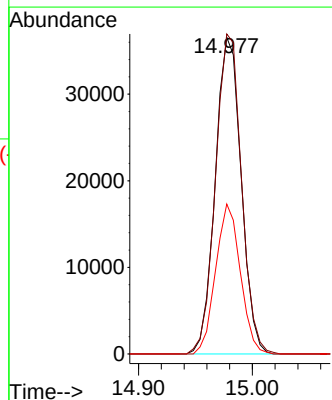
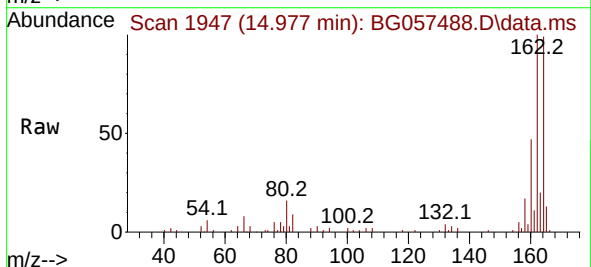
Instrument :
BNA_G
ClientSampleId :
PB152920BL

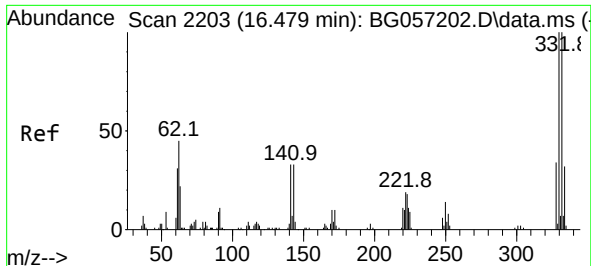
Tgt Ion: 82 Resp: 139898
Ion Ratio Lower Upper
82 100
128 40.7 29.0 43.4
54 47.7 41.4 62.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.977 min Scan# 1947
Delta R.T. 0.001 min
Lab File: BG057488.D
Acq: 22 May 2023 11:06

Tgt Ion:164 Resp: 57824
Ion Ratio Lower Upper
164 100
162 101.1 81.8 122.6
160 47.3 34.6 52.0

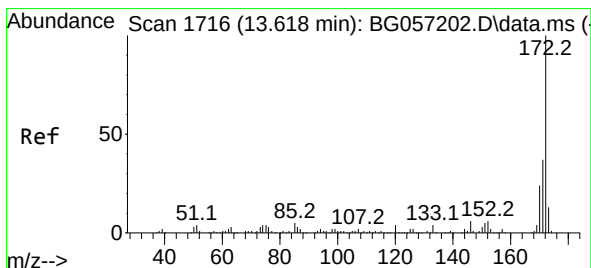
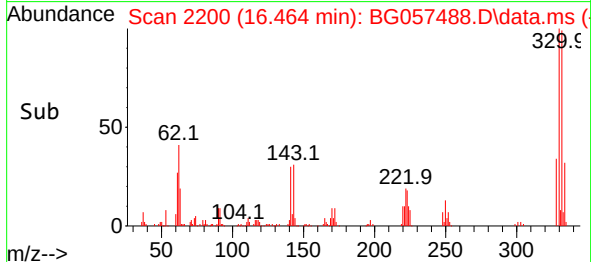
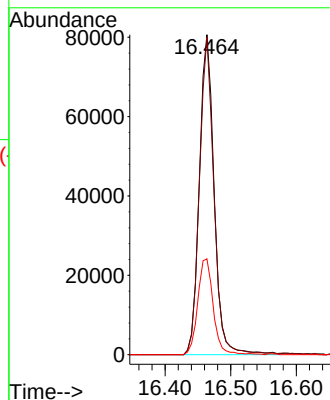
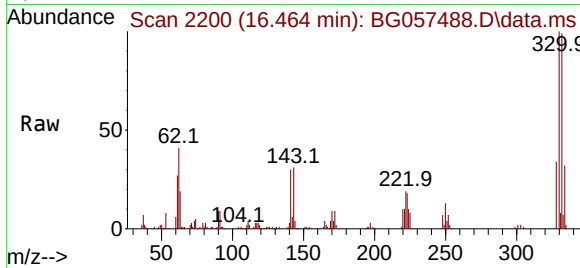




#42
2,4,6-Tribromophenol
Concen: 154.837 ng
RT: 16.464 min Scan# 21
Delta R.T. 0.007 min
Lab File: BG057488.D
Acq: 22 May 2023 11:06

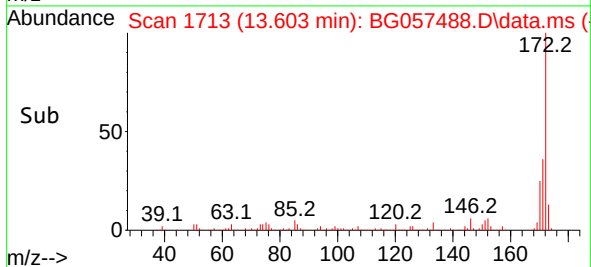
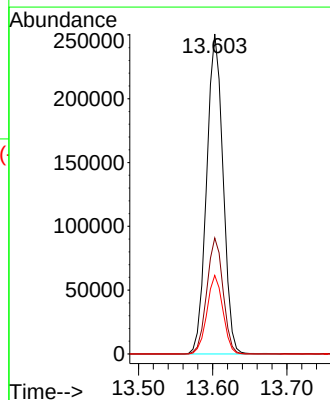
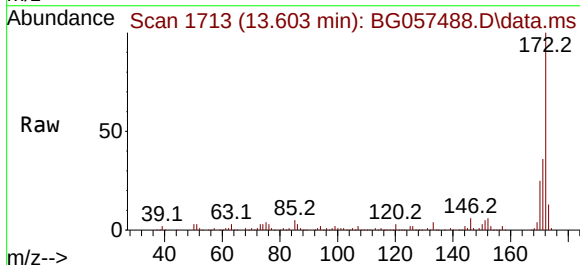
Instrument :
BNA_G
ClientSampleId :
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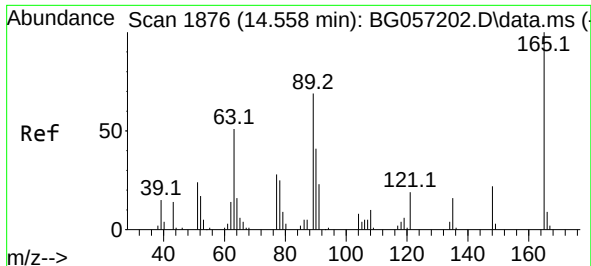
Tgt Ion:330 Resp: 127038
Ion Ratio Lower Upper
330 100
332 97.3 78.2 117.2
141 31.3 27.8 41.8



#45
2-Fluorobiphenyl
Concen: 89.839 ng
RT: 13.603 min Scan# 1713
Delta R.T. 0.001 min
Lab File: BG057488.D
Acq: 22 May 2023 11:06

Tgt Ion:172 Resp: 385719
Ion Ratio Lower Upper
172 100
171 36.3 29.4 44.0
170 24.6 19.0 28.6

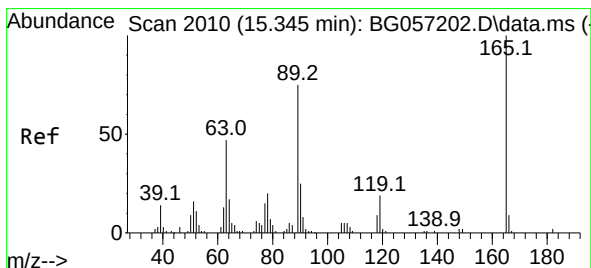
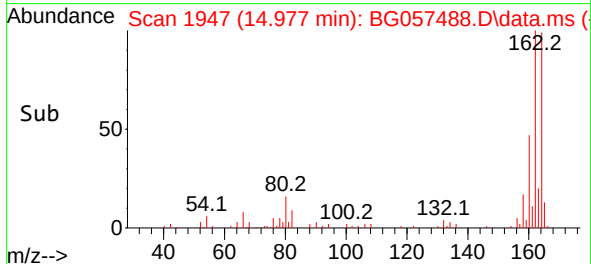
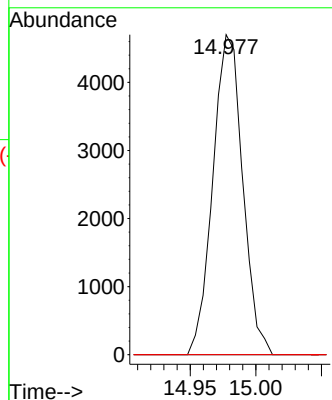
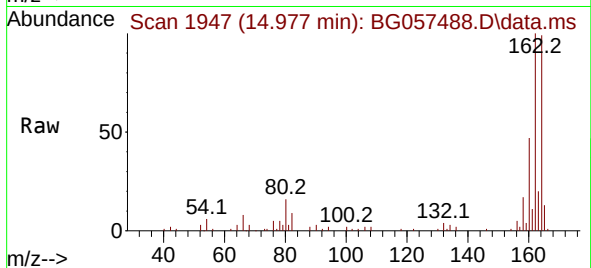




#51
2,6-Dinitrotoluene
Concen: 7.655 ng
RT: 14.977 min Scan# 1947
Delta R.T. 0.436 min
Lab File: BG057488.D
Acq: 22 May 2023 11:06

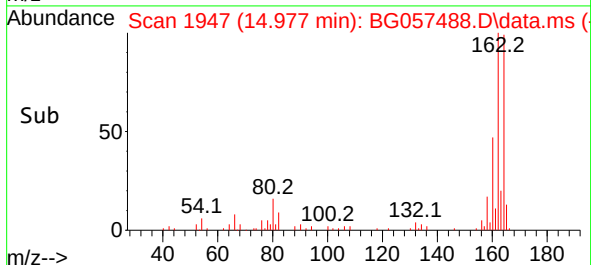
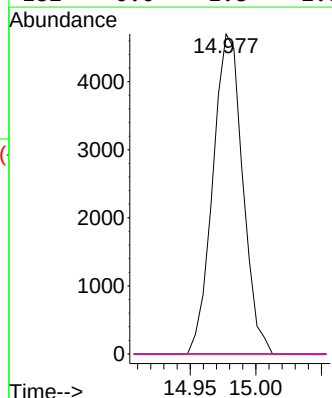
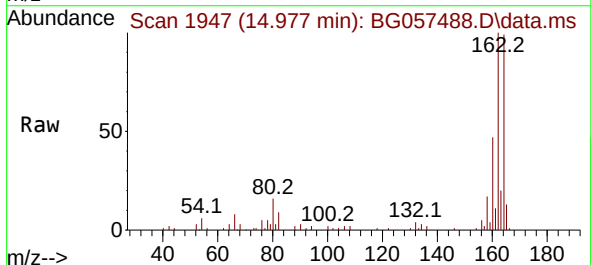
Instrument :
BNA_G
ClientSampleId :
PB152920BL

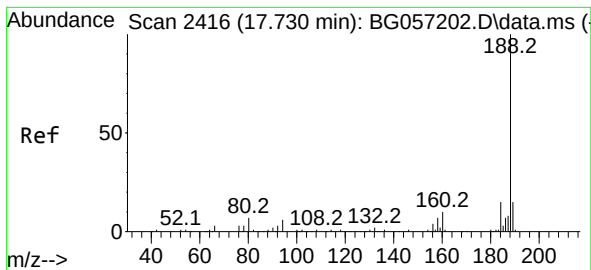
Tgt Ion:165 Resp: 7427
Ion Ratio Lower Upper
165 100
63 0.0 50.9 76.3#
89 0.0 55.2 82.8#



#57
2,4-Dinitrotoluene
Concen: 5.356 ng
RT: 14.977 min Scan# 1947
Delta R.T. -0.351 min
Lab File: BG057488.D
Acq: 22 May 2023 11:06

Tgt Ion:165 Resp: 7427
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: 17.715 min Scan# 2416

Delta R.T. 0.001 min

Lab File: BG057488.D

Acq: 22 May 2023 11:06

Instrument :

BNA_G

ClientSampleId :

PB152920BL

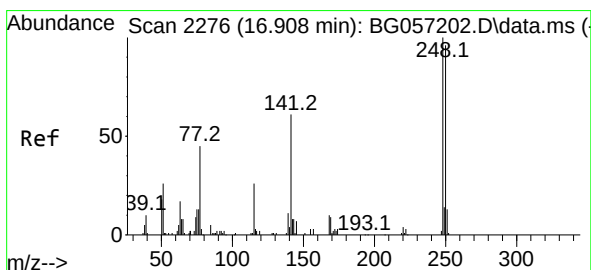
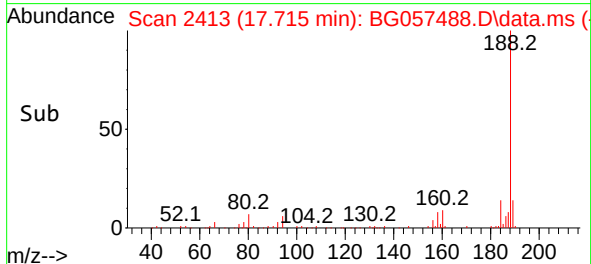
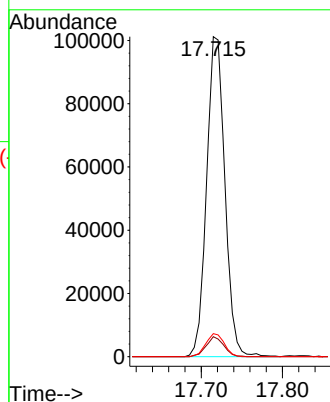
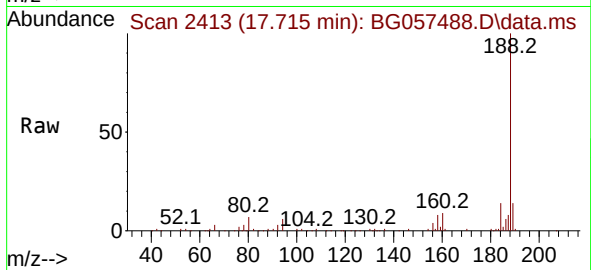
Tgt Ion:188 Resp: 157901

Ion Ratio Lower Upper

188 100

94 6.3 5.1 7.7

80 7.2 5.7 8.5



#67

4-Bromophenyl-phenylether

Concen: 4.616 ng

RT: 16.464 min Scan# 2200

Delta R.T. -0.422 min

Lab File: BG057488.D

Acq: 22 May 2023 11:06

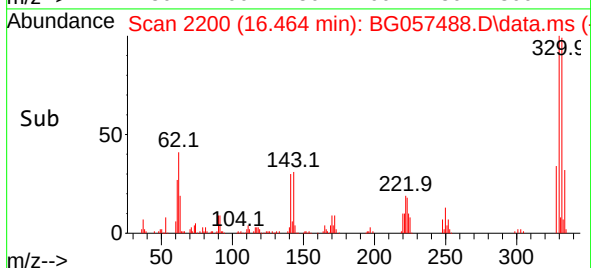
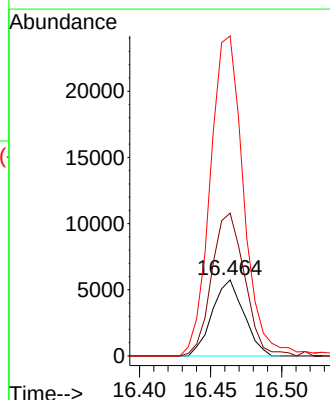
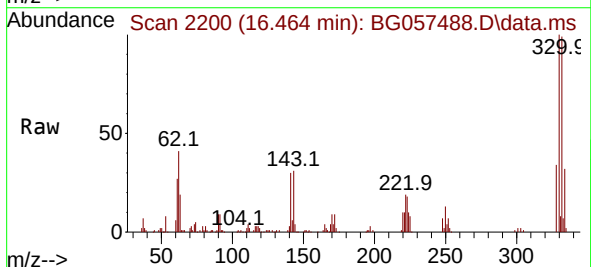
Tgt Ion:248 Resp: 8898

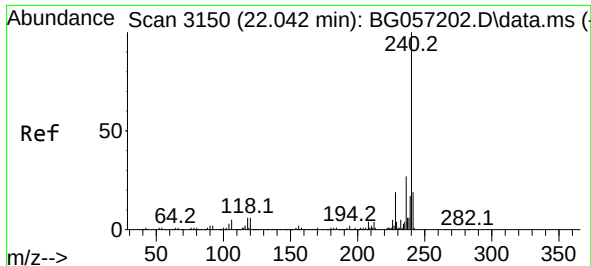
Ion Ratio Lower Upper

248 100

250 188.0 77.0 115.6#

141 421.1 48.6 72.8#

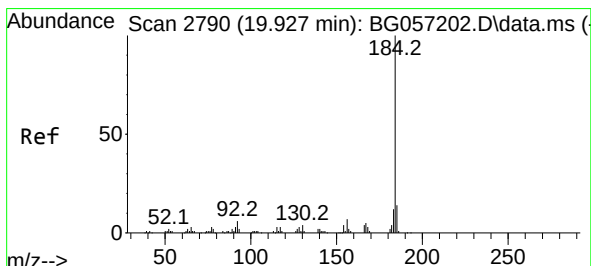
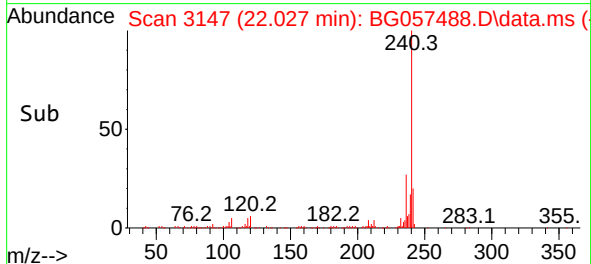
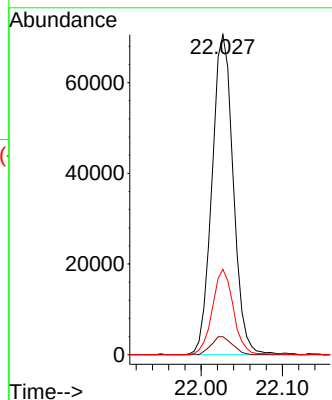
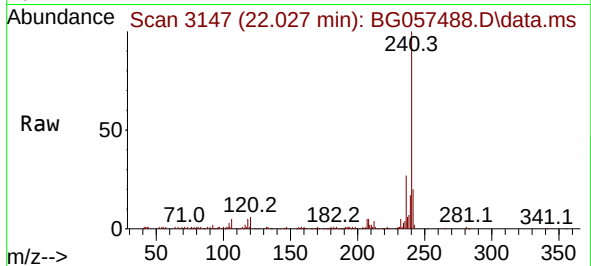




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.027 min Scan# 3150
Delta R.T. 0.007 min
Lab File: BG057488.D
Acq: 22 May 2023 11:06

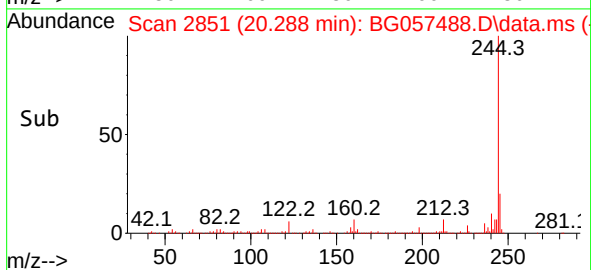
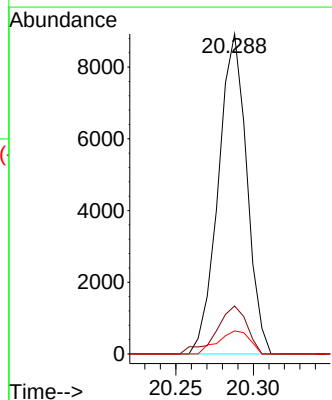
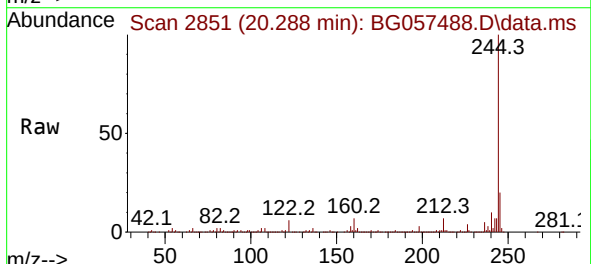
Instrument :
BNA_G
ClientSampleId :
PB152920BL

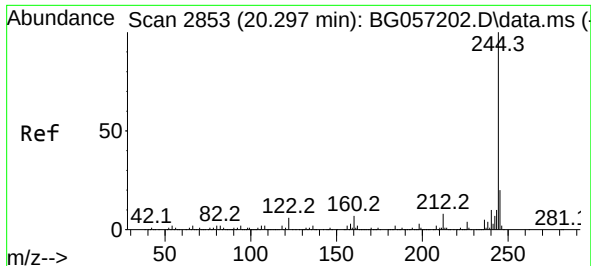
Tgt Ion:240 Resp: 128293
Ion Ratio Lower Upper
240 100
120 5.6 4.9 7.3
236 26.7 21.4 32.2



#77
Benzidine
Concen: 3.962 ng
RT: 20.288 min Scan# 2851
Delta R.T. 0.377 min
Lab File: BG057488.D
Acq: 22 May 2023 11:06

Tgt Ion:184 Resp: 11363
Ion Ratio Lower Upper
184 100
185 15.0 11.1 16.7
183 7.2 9.9 14.9#

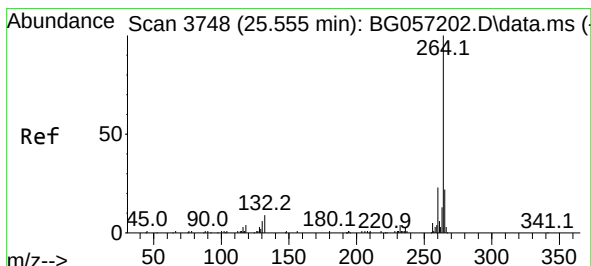
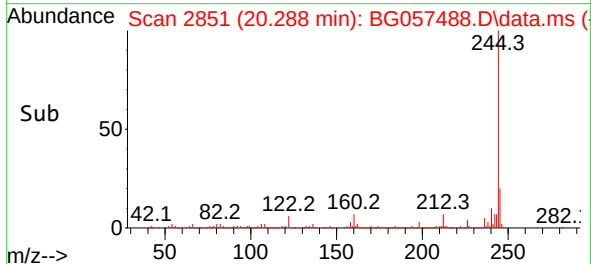
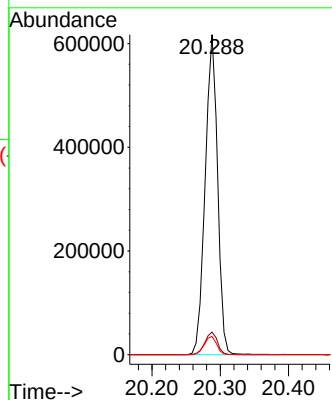
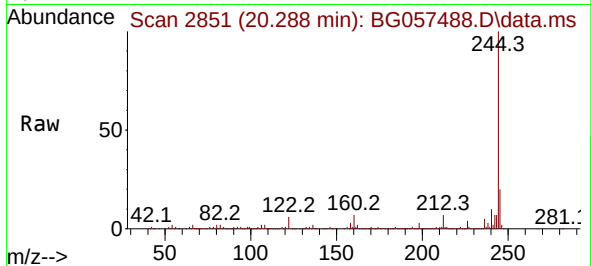




#79
 Terphenyl-d14
 Concen: 99.133 ng
 RT: 20.288 min Scan# 21
 Delta R.T. 0.007 min
 Lab File: BG057488.D
 Acq: 22 May 2023 11:06

Instrument :
 BNA_G
 ClientSampleId :
 PB152920BL

Tgt Ion:244 Resp: 779332
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 5.7 5.1 7.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.534 min Scan# 3744
 Delta R.T. 0.019 min
 Lab File: BG057488.D
 Acq: 22 May 2023 11:06

Tgt Ion:264 Resp: 139036
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.8 28.2
 265 21.0 17.9 26.9

