

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051823\
 Data File : BG057455.D
 Acq On : 18 May 2023 10:29
 Operator : CG/JU
 Sample : PB152402BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB152402BL

Quant Time: May 18 13:15:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 12 22:04:03 2023
 Response via : Initial Calibration

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

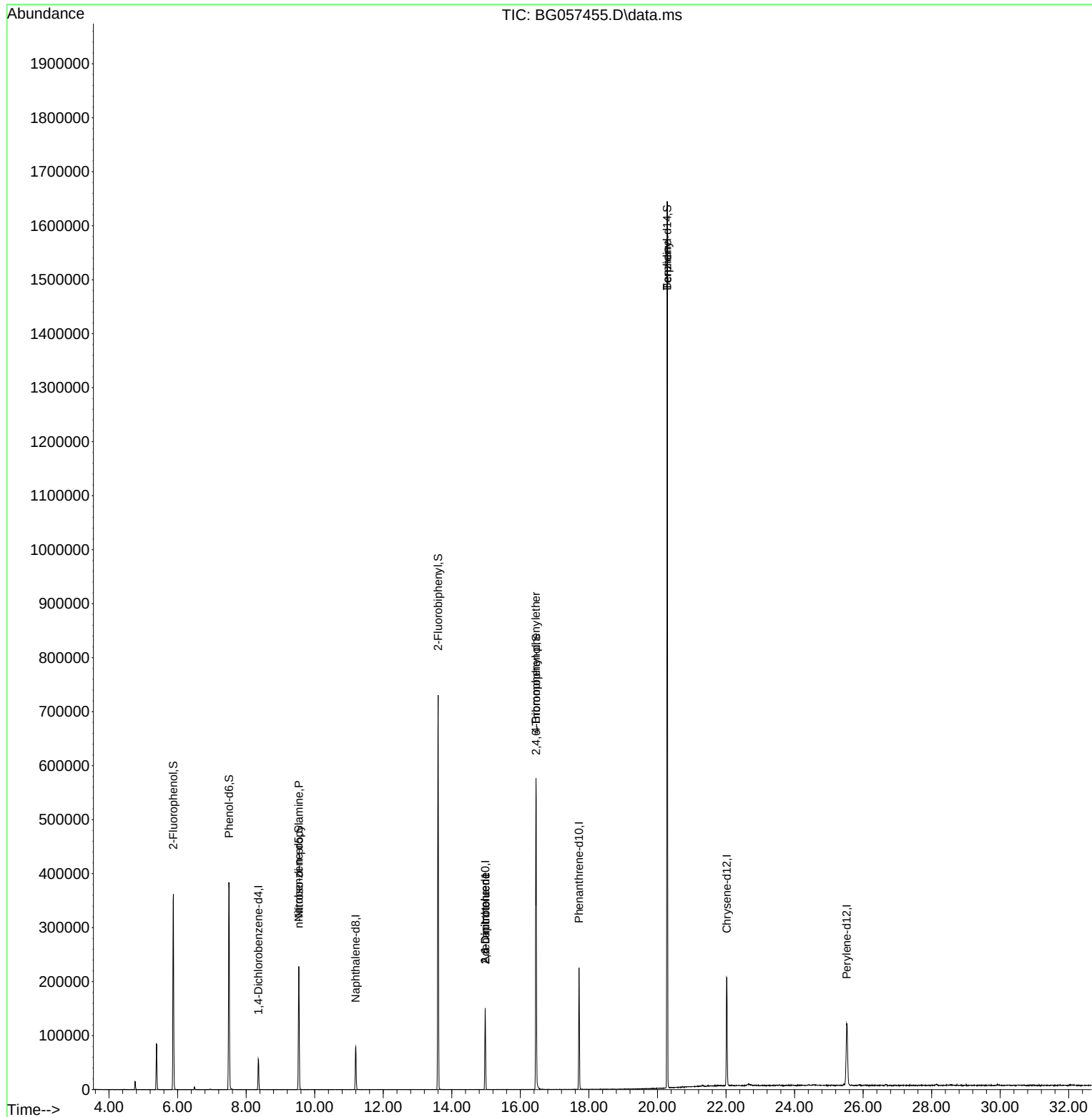
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.355	152	17106	20.000	ng	0.00
21) Naphthalene-d8	11.199	136	69273	20.000	ng	0.00
39) Acenaphthene-d10	14.976	164	56515	20.000	ng	0.00
64) Phenanthrene-d10	17.713	188	150084	20.000	ng	0.00
76) Chrysene-d12	22.025	240	142583	20.000	ng	0.00
86) Perylene-d12	25.520	264	150763	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.876	112	160545	160.546	ng	0.00
7) Phenol-d6	7.498	99	234615	154.501	ng	0.00
23) Nitrobenzene-d5	9.536	82	146404	88.702	ng	0.00
42) 2,4,6-Tribromophenol	16.462	330	127185	158.607	ng	0.00
45) 2-Fluorobiphenyl	13.601	172	399073	95.102	ng	0.00
79) Terphenyl-d14	20.286	244	864263	98.918	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.498	77	343	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	9.542	70	20141	17.394	ng	# 79
51) 2,6-Dinitrotoluene	14.976	165	7607	8.022	ng	# 17
57) 2,4-Dinitrotoluene	14.976	165	7607	5.613	ng	# 20
67) 4-Bromophenyl-phenylether	16.456	248	9039	4.934	ng	# 1
77) Benzidine	20.286	184	12380	3.884	ng	# 92

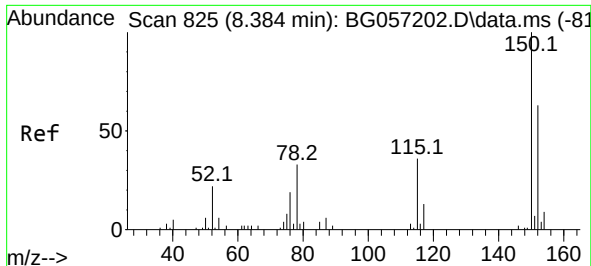
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051823\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 12 22:04:03 2023
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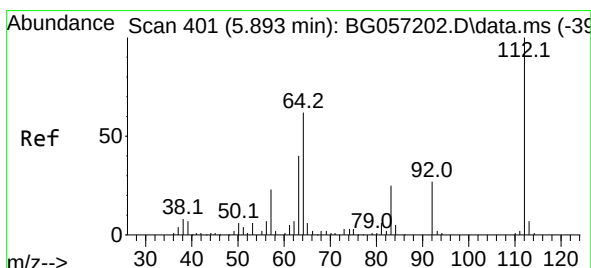
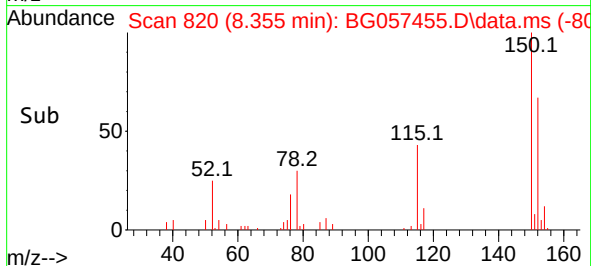
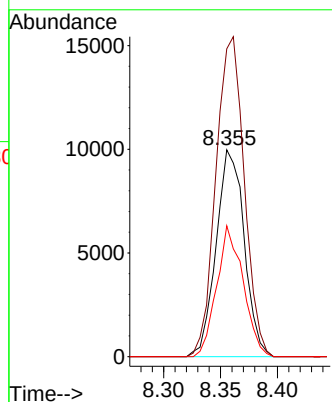
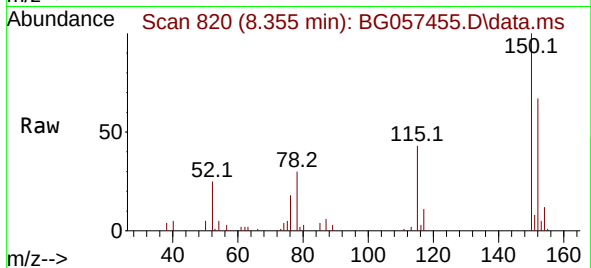




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.355 min Scan# 81
Delta R.T. -0.008 min
Lab File: BG057455.D
Acq: 18 May 2023 10:29

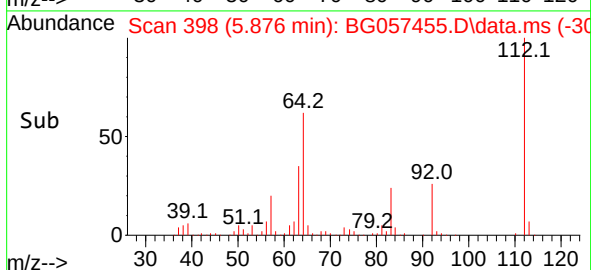
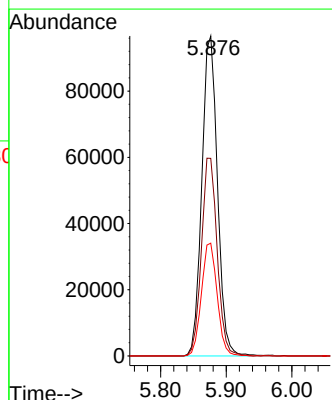
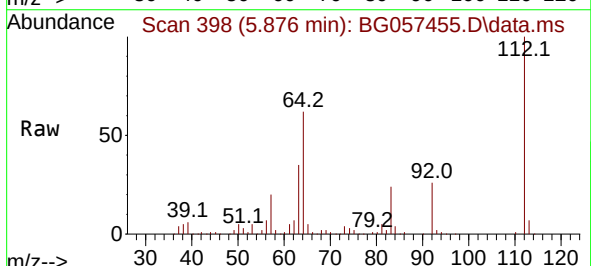
Instrument :
BNA_G
ClientSampleId :
PB152402BL

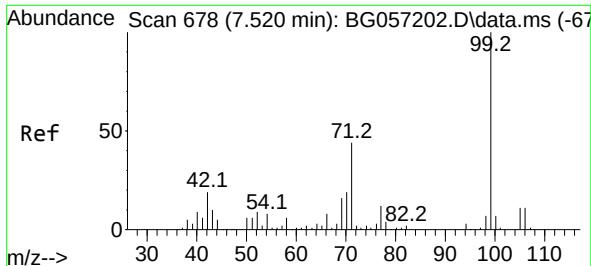
Tgt Ion:152 Resp: 17106
Ion Ratio Lower Upper
152 100
150 148.7 126.2 189.4
115 63.2 45.0 67.4



#5
2-Fluorophenol
Concen: 160.546 ng
RT: 5.876 min Scan# 398
Delta R.T. -0.002 min
Lab File: BG057455.D
Acq: 18 May 2023 10:29

Tgt Ion:112 Resp: 160545
Ion Ratio Lower Upper
112 100
64 61.8 49.4 74.2
63 35.2 31.6 47.4

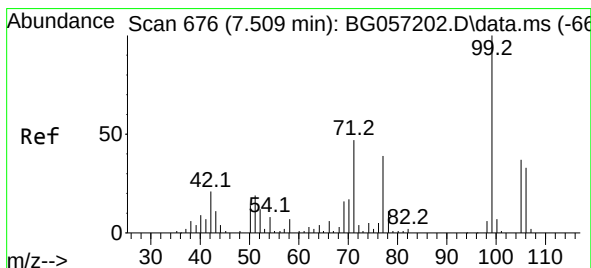
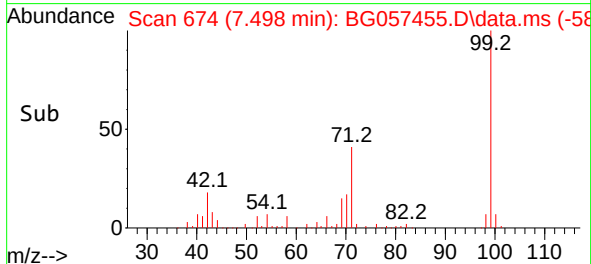
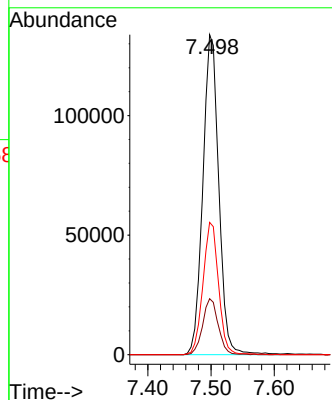
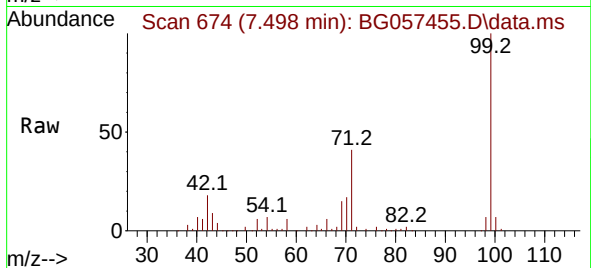




#7
Phenol-d6
Concen: 154.501 ng
RT: 7.498 min Scan# 61
Delta R.T. -0.008 min
Lab File: BG057455.D
Acq: 18 May 2023 10:29

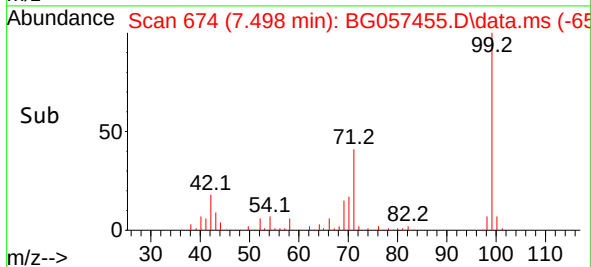
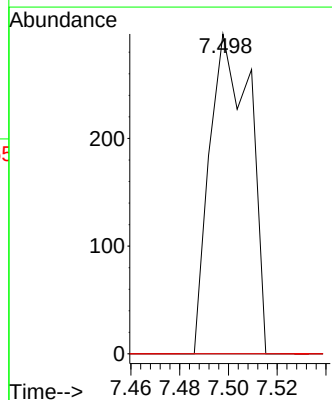
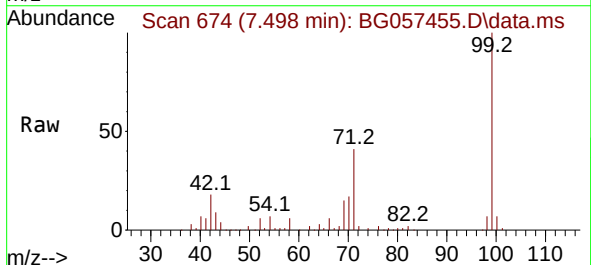
Instrument :
BNA_G
ClientSampleId :
PB152402BL

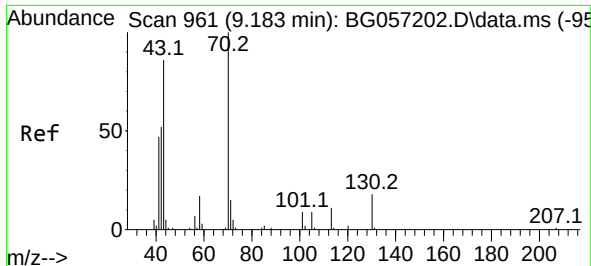
Tgt Ion: 99 Resp: 234615
Ion Ratio Lower Upper
99 100
42 17.5 15.1 22.7
71 41.3 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.498 min Scan# 674
Delta R.T. 0.010 min
Lab File: BG057455.D
Acq: 18 May 2023 10:29

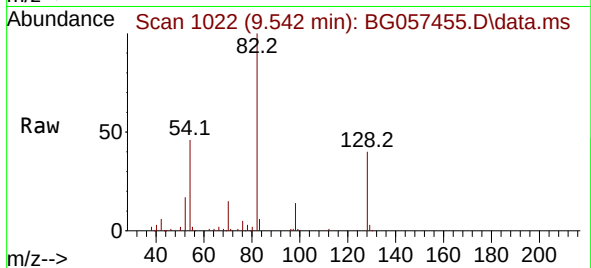
Tgt Ion: 77 Resp: 343
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#



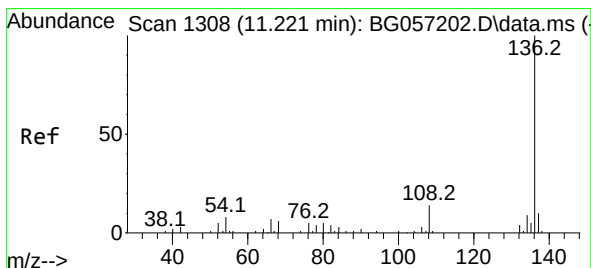
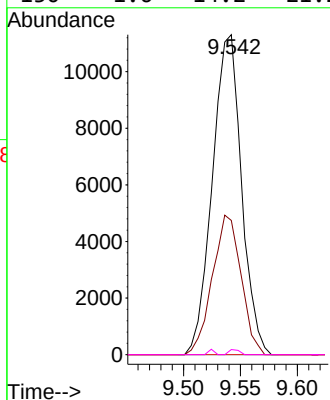
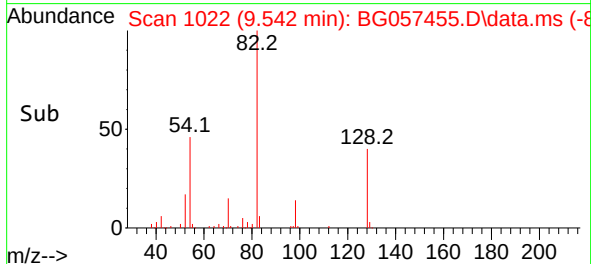


#19
n-Nitroso-di-n-propylamine
Concen: 17.394 ng
RT: 9.542 min Scan# 1022
Delta R.T. 0.374 min
Lab File: BG057455.D
Acq: 18 May 2023 10:29

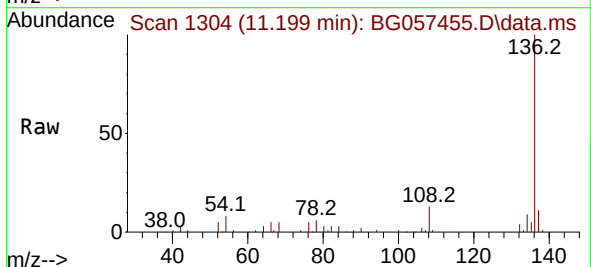
Instrument :
BNA_G
ClientSampleId :
PB152402BL



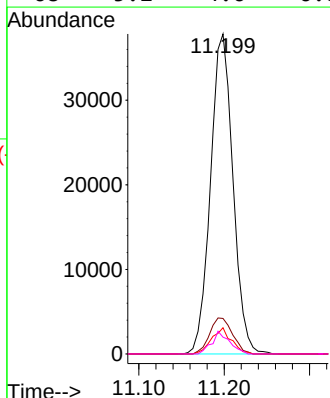
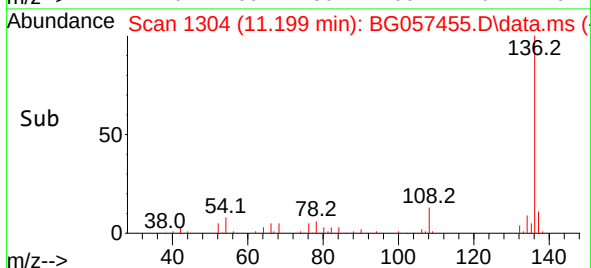
Tgt Ion: 70 Resp: 20141
Ion Ratio Lower Upper
70 100
42 42.0 41.8 62.8
101 0.0 6.8 10.2#
130 1.6 14.2 21.2#

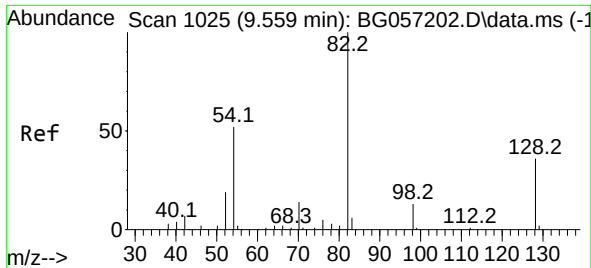


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.199 min Scan# 1304
Delta R.T. -0.002 min
Lab File: BG057455.D
Acq: 18 May 2023 10:29



Tgt Ion: 136 Resp: 69273
Ion Ratio Lower Upper
136 100
137 11.1 8.3 12.5
54 8.2 6.7 10.1
68 5.2 4.6 6.8

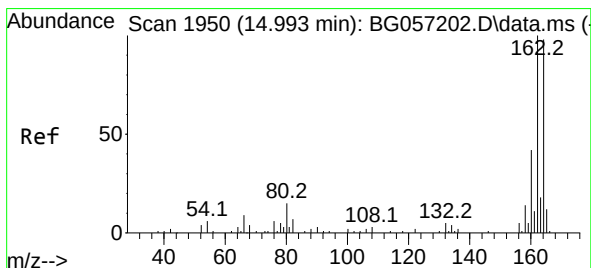
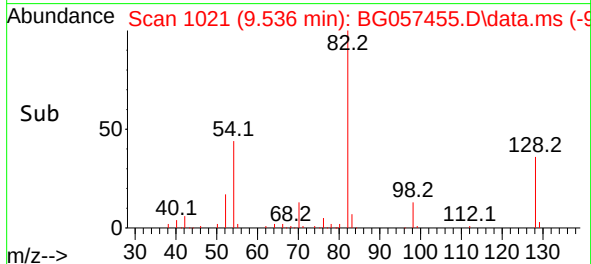
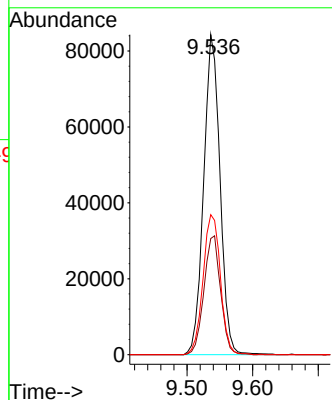
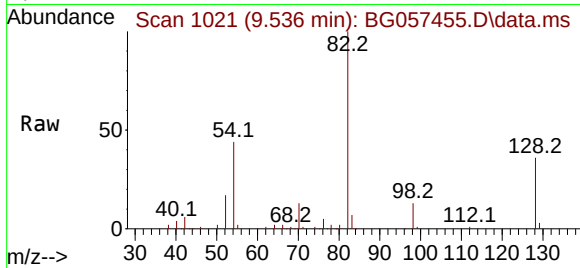




#23
Nitrobenzene-d5
Concen: 88.702 ng
RT: 9.536 min Scan# 1021
Delta R.T. -0.008 min
Lab File: BG057455.D
Acq: 18 May 2023 10:29

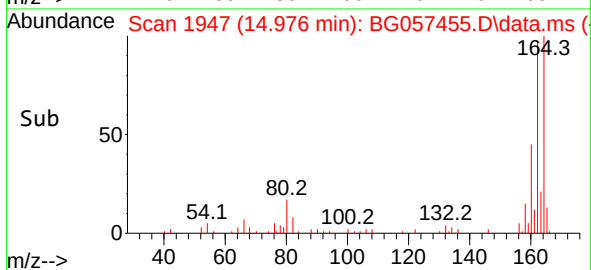
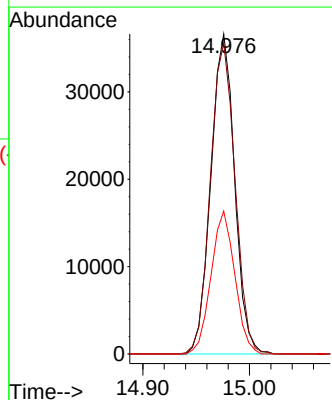
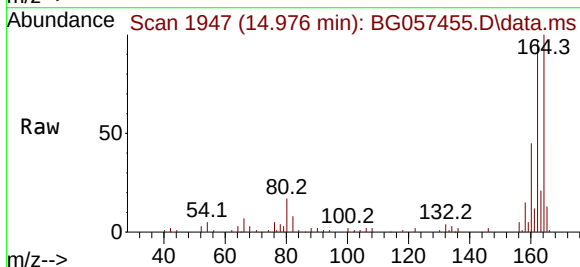
Instrument :
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ClientSampleId :
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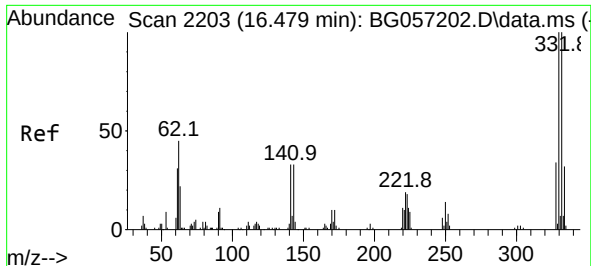
Tgt Ion: 82 Resp: 146404
Ion Ratio Lower Upper
82 100
128 36.3 29.0 43.4
54 43.8 41.4 62.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.976 min Scan# 1947
Delta R.T. -0.002 min
Lab File: BG057455.D
Acq: 18 May 2023 10:29

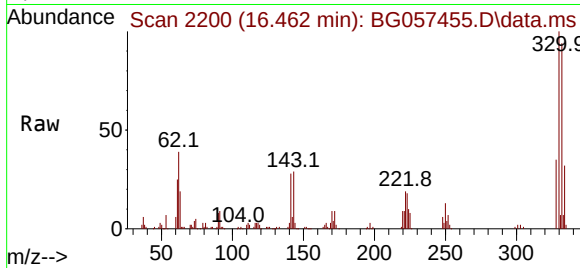
Tgt Ion:164 Resp: 56515
Ion Ratio Lower Upper
164 100
162 97.2 81.8 122.6
160 44.6 34.6 52.0



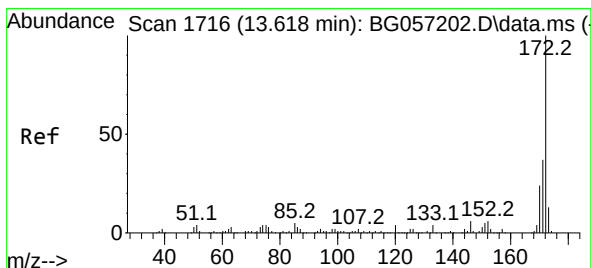
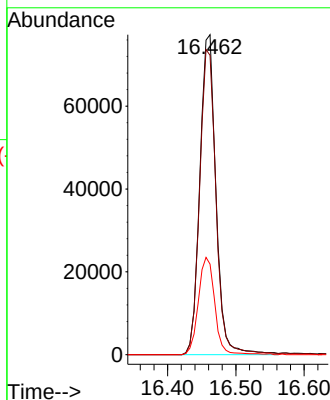
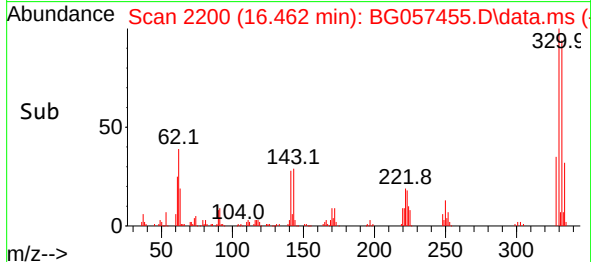


#42
2,4,6-Tribromophenol
Concen: 158.607 ng
RT: 16.462 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG057455.D
Acq: 18 May 2023 10:29

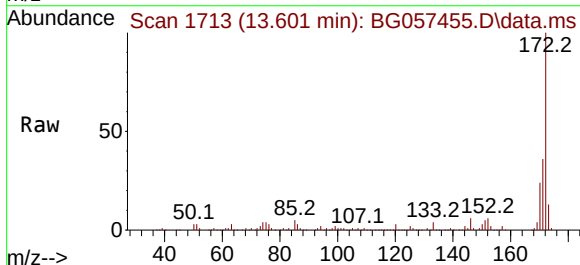
Instrument :
BNA_G
ClientSampleId :
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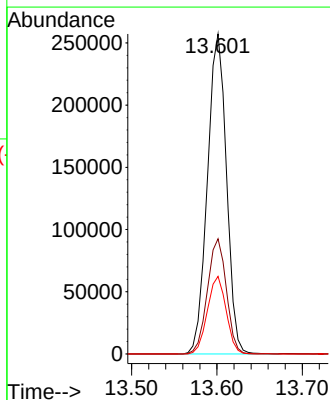
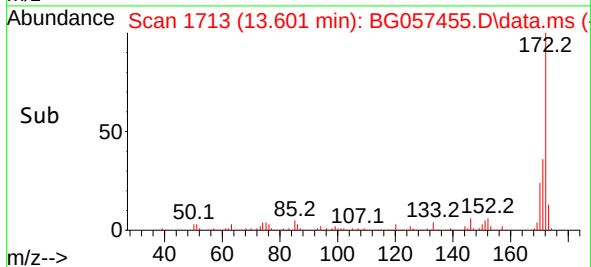
Tgt Ion:330 Resp: 127185
Ion Ratio Lower Upper
330 100
332 97.0 78.2 117.2
141 30.9 27.8 41.8

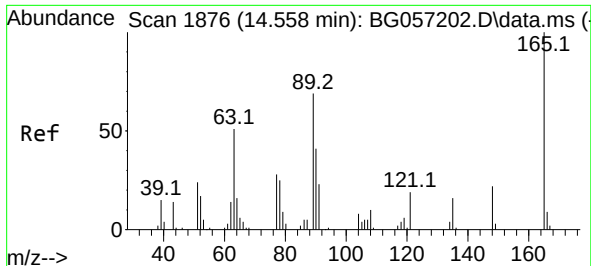


#45
2-Fluorobiphenyl
Concen: 95.102 ng
RT: 13.601 min Scan# 1713
Delta R.T. -0.002 min
Lab File: BG057455.D
Acq: 18 May 2023 10:29



Tgt Ion:172 Resp: 399073
Ion Ratio Lower Upper
172 100
171 36.0 29.4 44.0
170 24.3 19.0 28.6

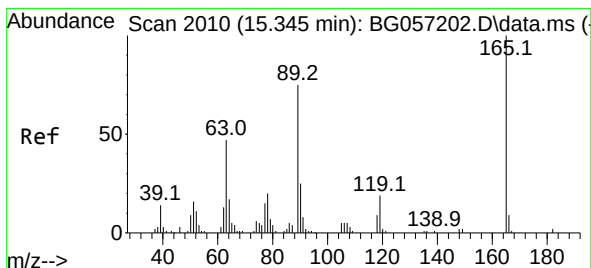
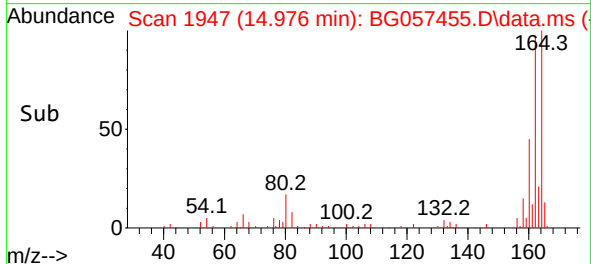
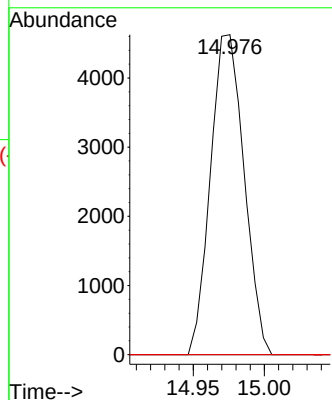
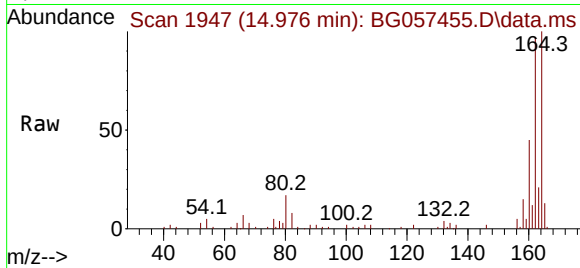




#51
2,6-Dinitrotoluene
Concen: 8.022 ng
RT: 14.976 min Scan# 1947
Delta R.T. 0.427 min
Lab File: BG057455.D
Acq: 18 May 2023 10:29

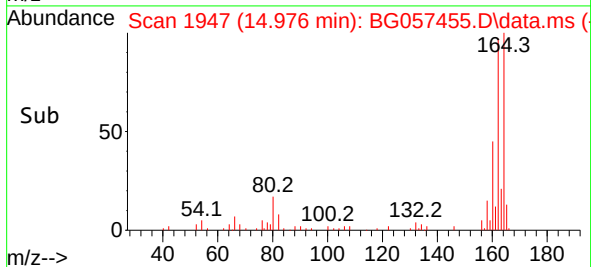
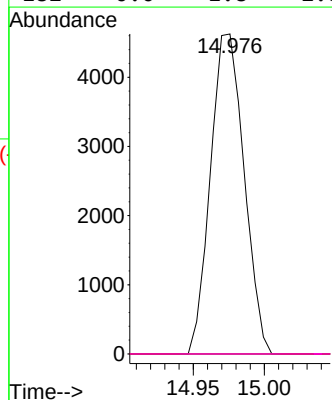
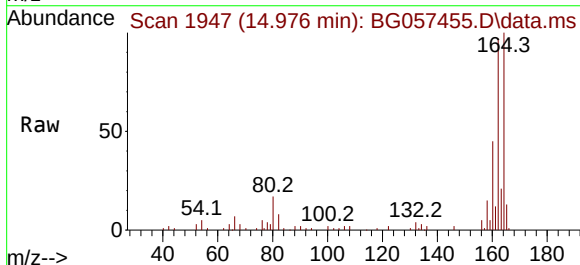
Instrument :
BNA_G
ClientSampleId :
PB152402BL

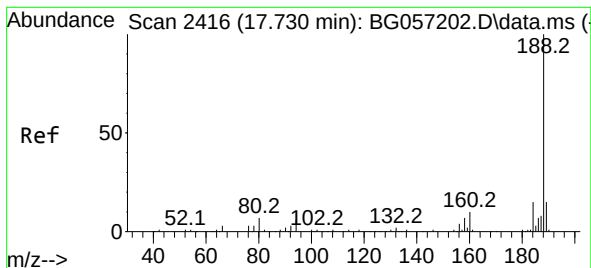
Tgt Ion:165 Resp: 7607
Ion Ratio Lower Upper
165 100
63 0.0 50.9 76.3#
89 0.0 55.2 82.8#



#57
2,4-Dinitrotoluene
Concen: 5.613 ng
RT: 14.976 min Scan# 1947
Delta R.T. -0.361 min
Lab File: BG057455.D
Acq: 18 May 2023 10:29

Tgt Ion:165 Resp: 7607
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: 17.713 min Scan# 2416

Delta R.T. -0.008 min

Lab File: BG057455.D

Acq: 18 May 2023 10:29

Instrument :

BNA_G

ClientSampleId :

PB152402BL

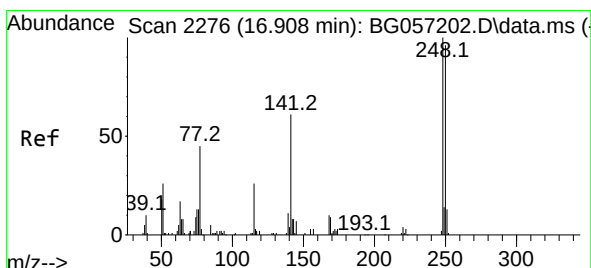
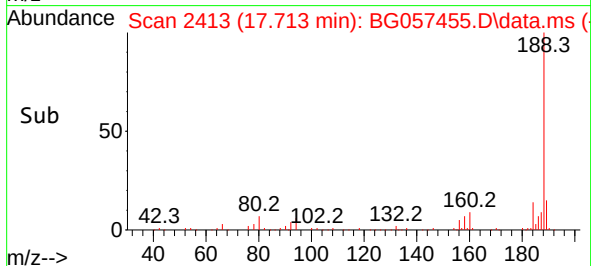
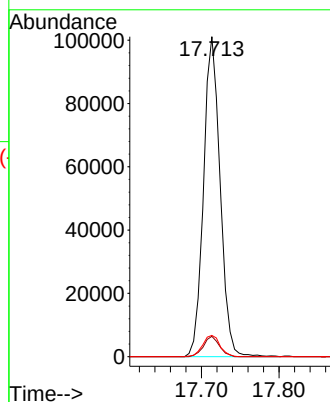
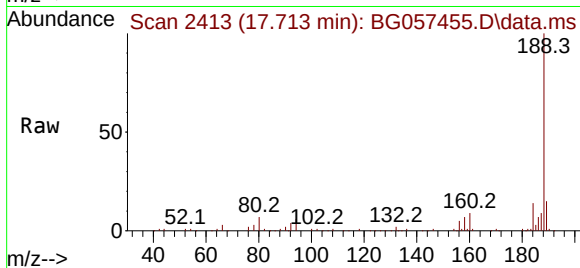
Tgt Ion:188 Resp: 150084

Ion Ratio Lower Upper

188 100

94 6.4 5.1 7.7

80 6.7 5.7 8.5



#67

4-Bromophenyl-phenylether

Concen: 4.934 ng

RT: 16.456 min Scan# 2199

Delta R.T. -0.437 min

Lab File: BG057455.D

Acq: 18 May 2023 10:29

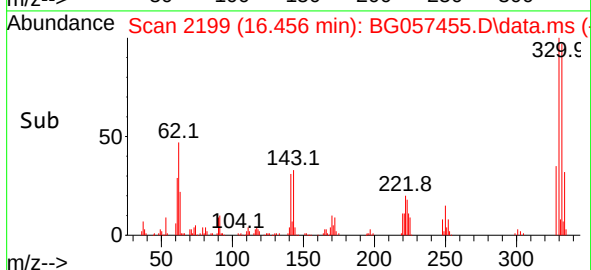
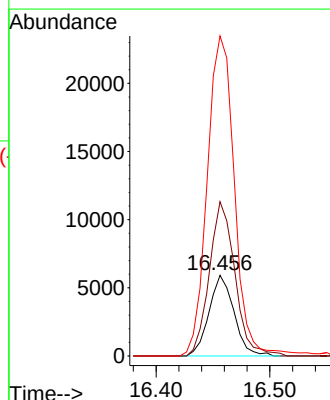
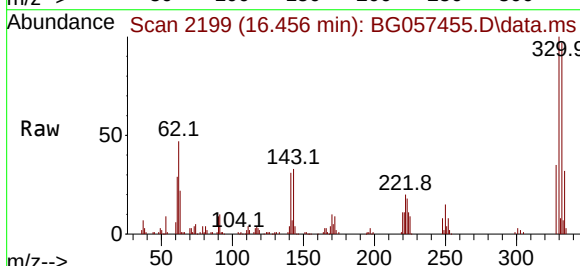
Tgt Ion:248 Resp: 9039

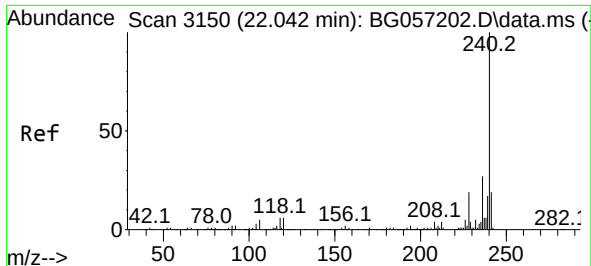
Ion Ratio Lower Upper

248 100

250 191.0 77.0 115.6#

141 396.4 48.6 72.8#

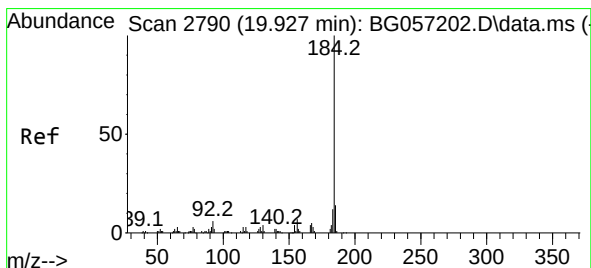
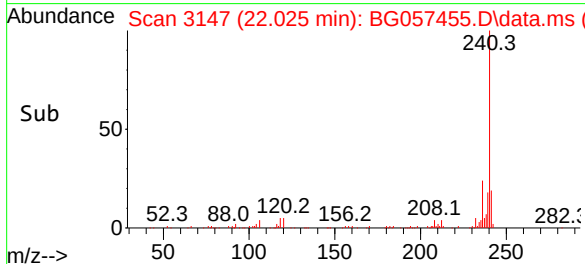
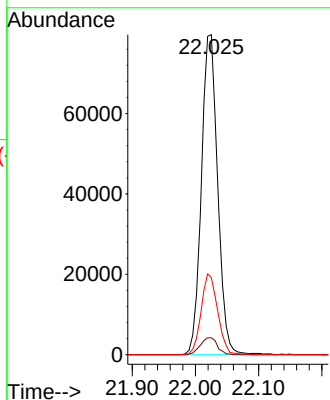
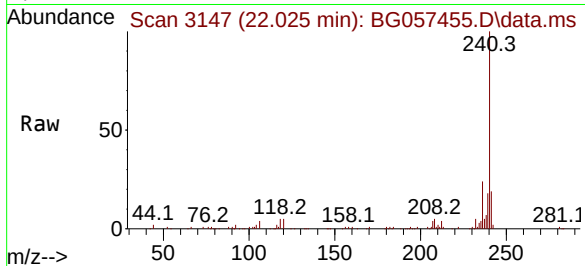




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.025 min Scan# 31
Delta R.T. -0.008 min
Lab File: BG057455.D
Acq: 18 May 2023 10:29

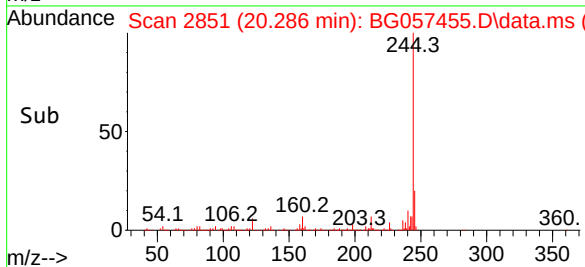
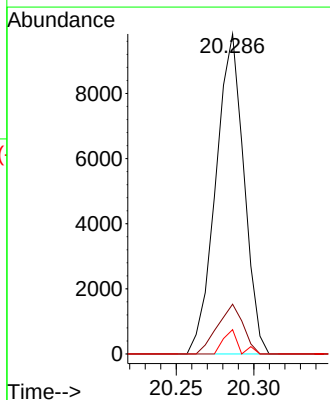
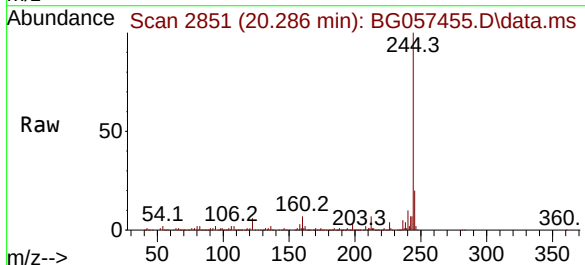
Instrument :
BNA_G
ClientSampleId :
PB152402BL

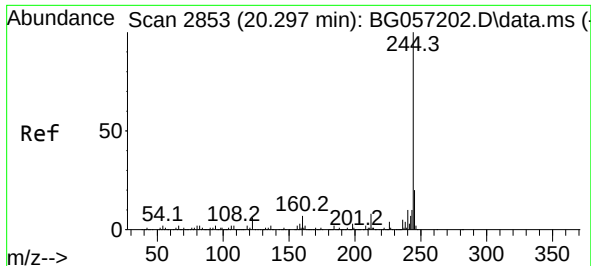
Tgt Ion:240 Resp: 142583
Ion Ratio Lower Upper
240 100
120 5.3 4.9 7.3
236 24.1 21.4 32.2



#77
Benzidine
Concen: 3.884 ng
RT: 20.286 min Scan# 2851
Delta R.T. 0.368 min
Lab File: BG057455.D
Acq: 18 May 2023 10:29

Tgt Ion:184 Resp: 12380
Ion Ratio Lower Upper
184 100
185 15.6 11.1 16.7
183 7.6 9.9 14.9#

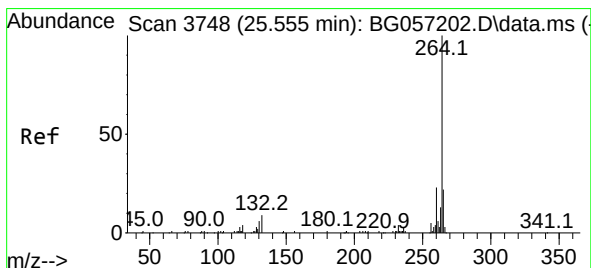
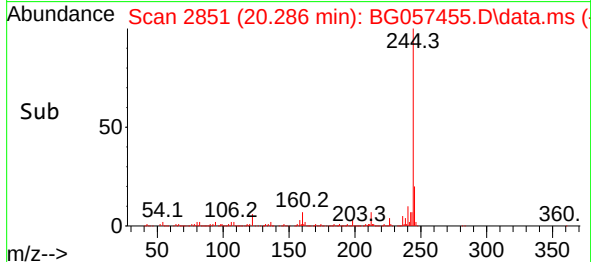
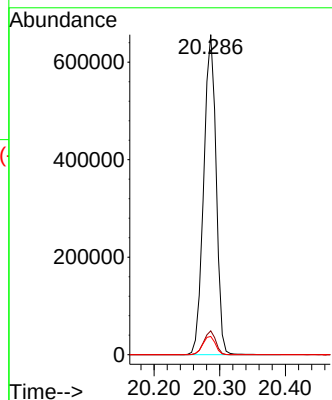
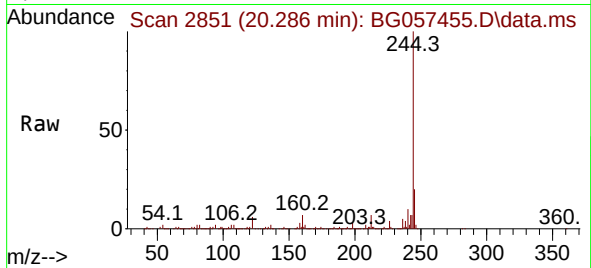




#79
 Terphenyl-d14
 Concen: 98.918 ng
 RT: 20.286 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG057455.D
 Acq: 18 May 2023 10:29

Instrument :
 BNA_G
 ClientSampleId :
 PB152402BL

Tgt Ion:244 Resp: 864263
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.1 9.1
 122 5.7 5.1 7.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.520 min Scan# 3742
 Delta R.T. -0.014 min
 Lab File: BG057455.D
 Acq: 18 May 2023 10:29

Tgt Ion:264 Resp: 150763
 Ion Ratio Lower Upper
 264 100
 260 22.5 18.8 28.2
 265 20.0 17.9 26.9

