

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051723\
 Data File : BG057444.D
 Acq On : 17 May 2023 11:43
 Operator : CG/JU
 Sample : PB152384BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB152384BL

Quant Time: May 18 01:56:15 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)

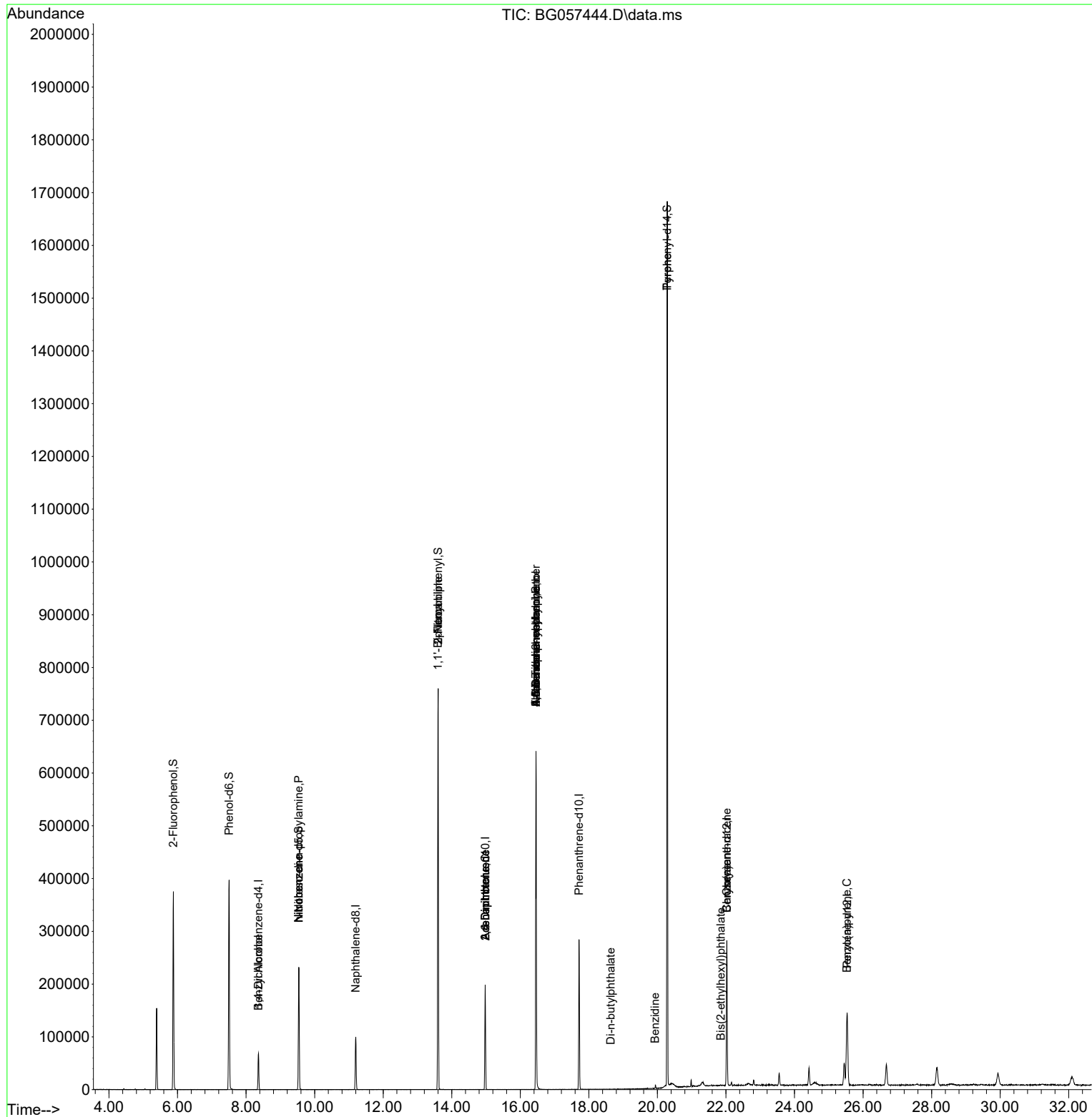
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.363	152	20758	20.000	ng	0.00
21) Naphthalene-d8	11.200	136	88219	20.000	ng	0.00
39) Acenaphthene-d10	14.977	164	73173	20.000	ng	0.00
64) Phenanthrene-d10	17.715	188	191471	20.000	ng	0.00
76) Chrysene-d12	22.026	240	180735	20.000	ng	0.00
86) Perylene-d12	25.533	264	179053	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.878	112	160776	132.491	ng	0.00
7) Phenol-d6	7.505	99	238550	129.455	ng	0.00
23) Nitrobenzene-d5	9.537	82	153223	72.897	ng	0.00
42) 2,4,6-Tribromophenol	16.458	330	134139	129.197	ng	0.00
45) 2-Fluorobiphenyl	13.603	172	408310	75.152	ng	0.00
79) Terphenyl-d14	20.288	244	865687	78.166	ng	0.00
Target Compounds					Qvalue	
9) Benzaldehyde	7.493	77	398	Below Cal	#	4
15) Benzyl Alcohol	8.357	79	562	0.366 ng	#	39
19) n-Nitroso-di-n-propyla...	9.537	70	21387	15.221 ng	#	80
24) Nitrobenzene	9.537	77	406	0.191 ng	#	47
46) 1,1'-Biphenyl	13.597	154	720	0.133 ng	#	1
48) 2-Nitroaniline	13.603	65	533	0.388 ng	#	1
51) 2,6-Dinitrotoluene	14.977	165	9047	7.369 ng	#	17
52) Acenaphthene	14.977	154	61	0.015 ng	#	5
57) 2,4-Dinitrotoluene	14.977	165	9047	5.156 ng	#	20
58) Fluorene	16.458	166	3871	0.682 ng	#	92
63) Azobenzene	16.458	77	515	0.087 ng	#	40
65) 4,6-Dinitro-2-methylph...	16.458	198	337	0.295 ng	#	5
66) n-Nitrosodiphenylamine	16.458	169	3990	0.767 ng	#	46
67) 4-Bromophenyl-phenylether	16.458	248	9305	3.981 ng	#	1
74) Di-n-butylphthalate	18.637	149	87	0.009 ng	#	77
77) Benzidine	19.929	184	397	0.098 ng	#	67
78) Pyrene	20.288	202	3287	0.250 ng	#	67
81) Benzo(a)anthracene	22.021	228	307	0.024 ng	#	51
83) Chrysene	22.021	228	307	0.025 ng	#	49
84) Bis(2-ethylhexyl)phtha...	21.850	149	409	0.066 ng	#	54
90) Benzo(a)pyrene	25.528	252	709	0.062 ng	#	62

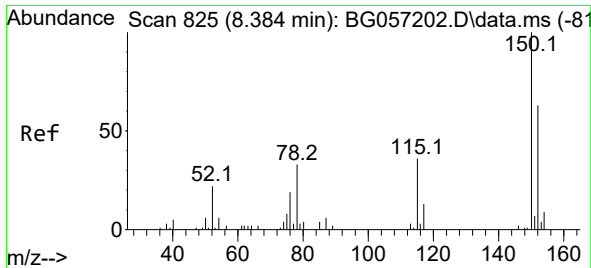
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051723\
Data File : BG057444.D
Acq On : 17 May 2023 11:43
Operator : CG/JU
Sample : PB152384BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB152384BL

Quant Time: May 18 01:56:15 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

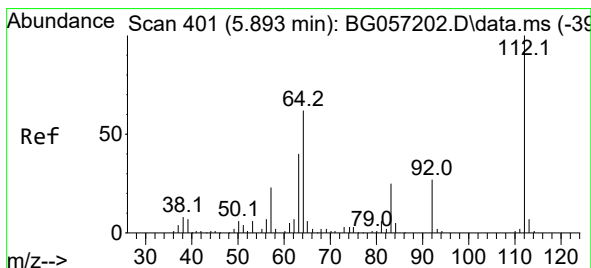
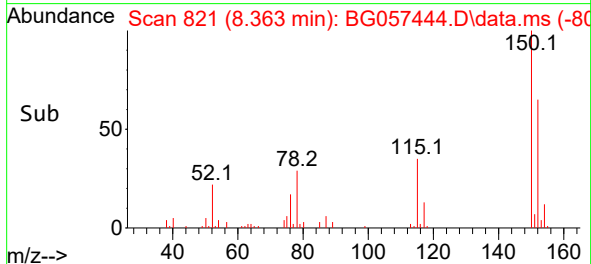
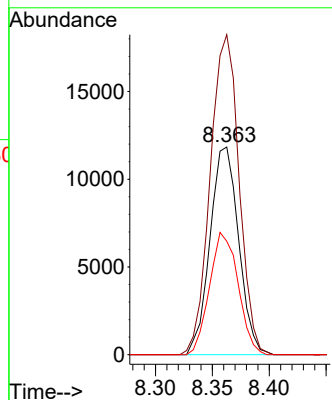
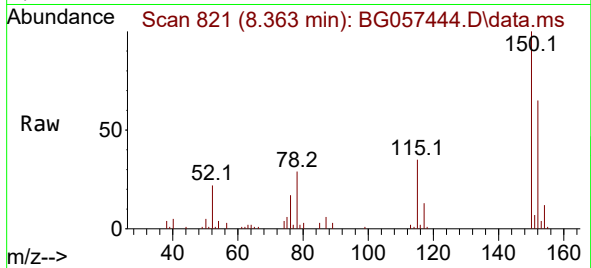




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.363 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG057444.D
Acq: 17 May 2023 11:43

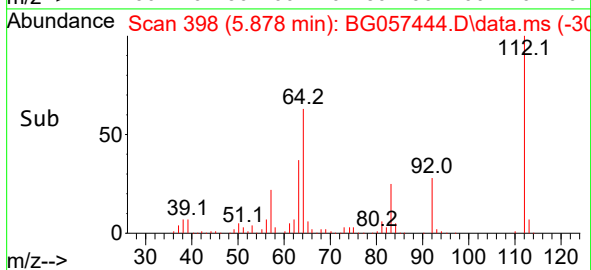
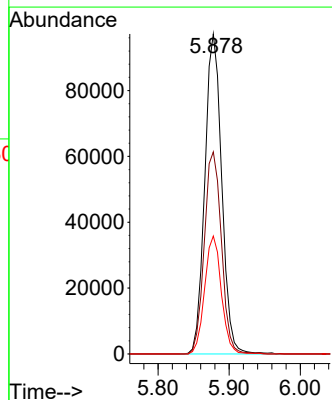
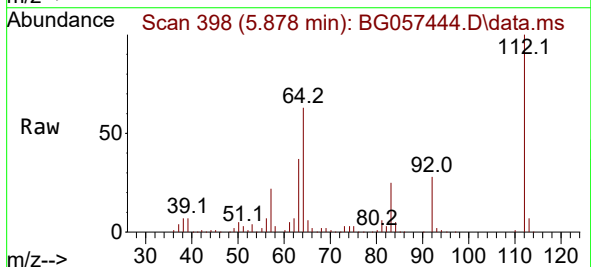
Instrument :
BNA_G
ClientSampleId :
PB152384BL

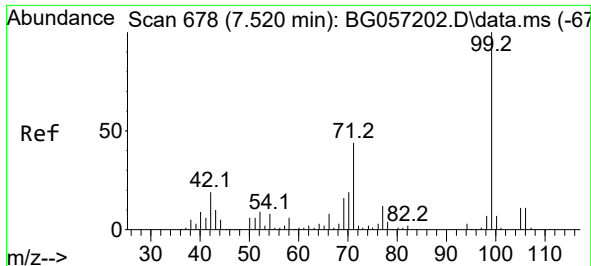
Tgt Ion:152 Resp: 20758
Ion Ratio Lower Upper
152 100
150 154.1 126.2 189.4
115 54.6 45.0 67.4



#5
2-Fluorophenol
Concen: 132.491 ng
RT: 5.878 min Scan# 398
Delta R.T. -0.001 min
Lab File: BG057444.D
Acq: 17 May 2023 11:43

Tgt Ion:112 Resp: 160776
Ion Ratio Lower Upper
112 100
64 63.2 49.4 74.2
63 36.8 31.6 47.4

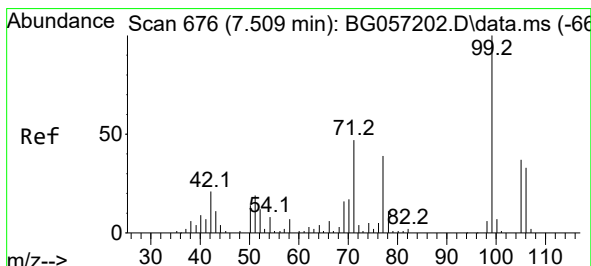
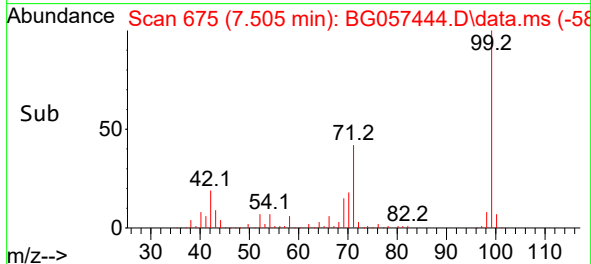
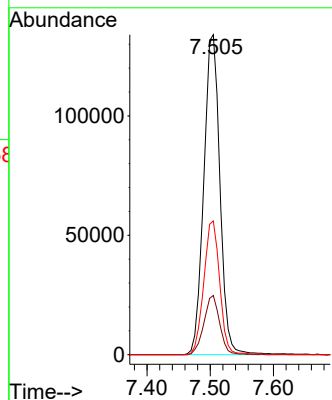
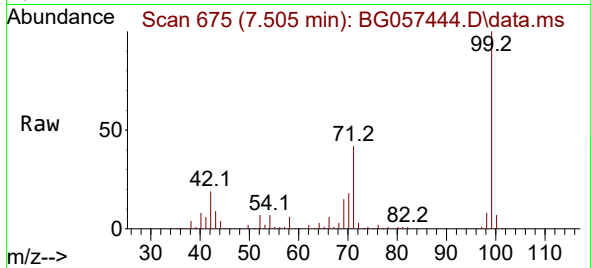




#7
Phenol-d6
Concen: 129.455 ng
RT: 7.505 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG057444.D
Acq: 17 May 2023 11:43

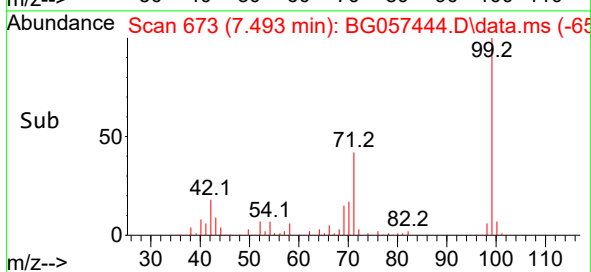
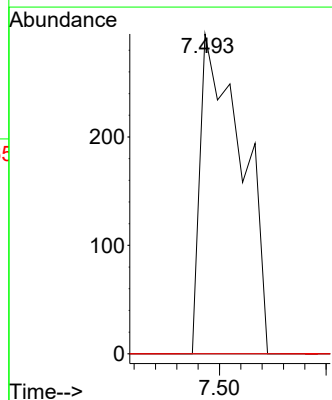
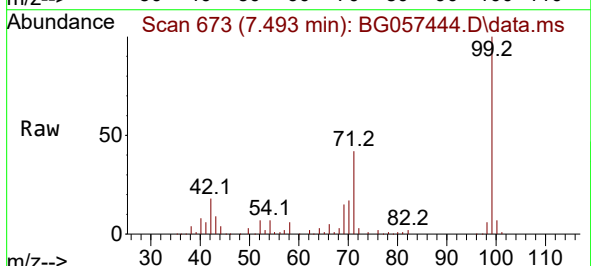
Instrument :
BNA_G
ClientSampleId :
PB152384BL

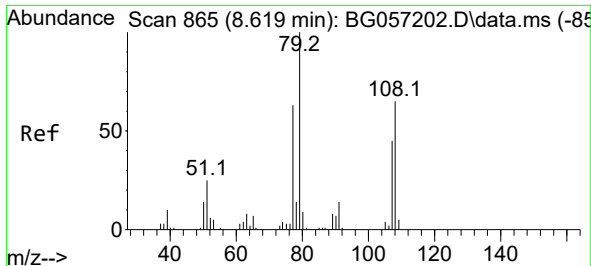
Tgt Ion: 99 Resp: 238550
Ion Ratio Lower Upper
99 100
42 18.5 15.1 22.7
71 41.8 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.493 min Scan# 673
Delta R.T. 0.005 min
Lab File: BG057444.D
Acq: 17 May 2023 11:43

Tgt Ion: 77 Resp: 398
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#

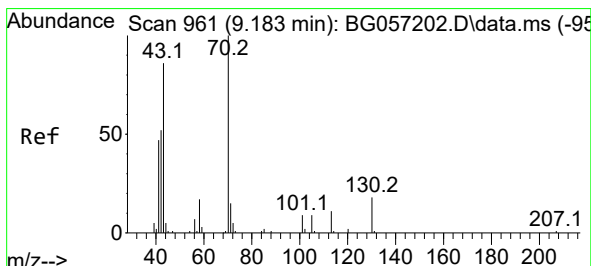
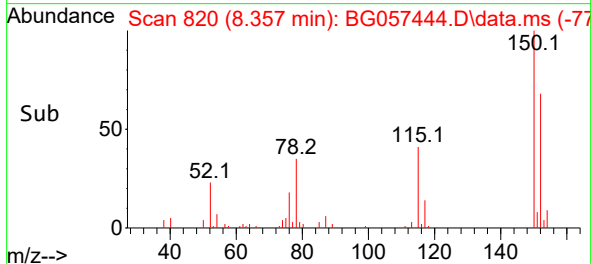
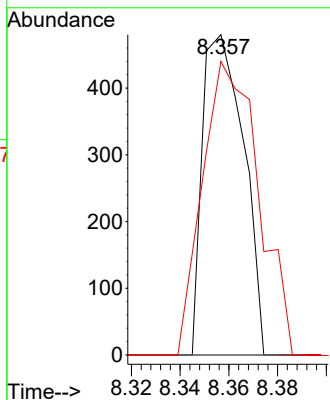
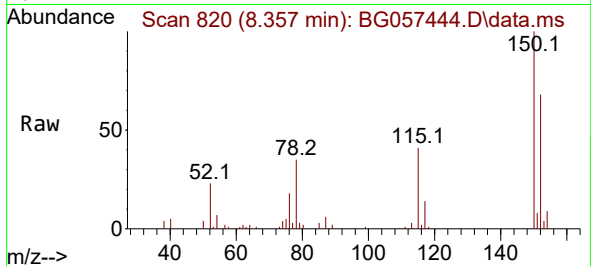




#15
Benzyl Alcohol
Concen: 0.366 ng
RT: 8.357 min Scan# 81
Delta R.T. -0.242 min
Lab File: BG057444.D
Acq: 17 May 2023 11:43

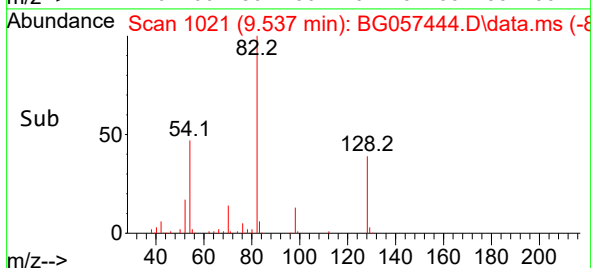
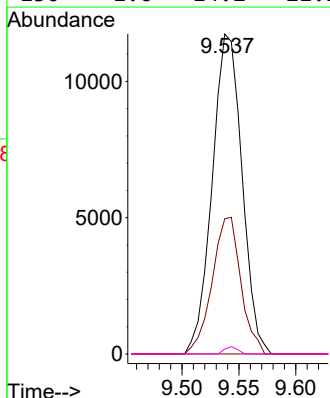
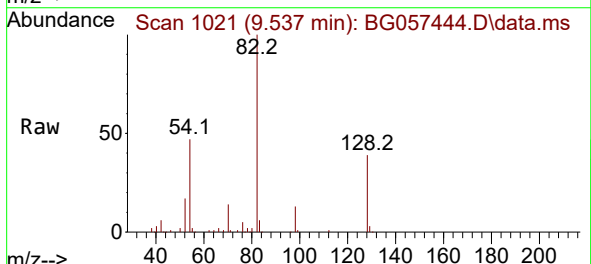
Instrument :
BNA_G
ClientSampleId :
PB152384BL

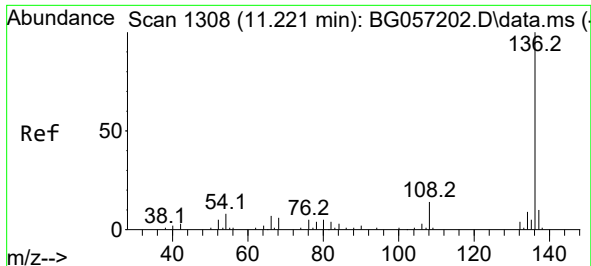
Tgt Ion: 79 Resp: 562
Ion Ratio Lower Upper
79 100
108 0.0 52.2 78.2#
77 91.7 50.1 75.1#



#19
n-Nitroso-di-n-propylamine
Concen: 15.221 ng
RT: 9.537 min Scan# 1021
Delta R.T. 0.369 min
Lab File: BG057444.D
Acq: 17 May 2023 11:43

Tgt Ion: 70 Resp: 21387
Ion Ratio Lower Upper
70 100
42 42.3 41.8 62.8
101 0.0 6.8 10.2#
130 1.6 14.2 21.2#

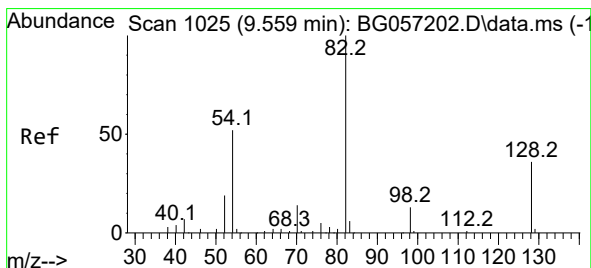
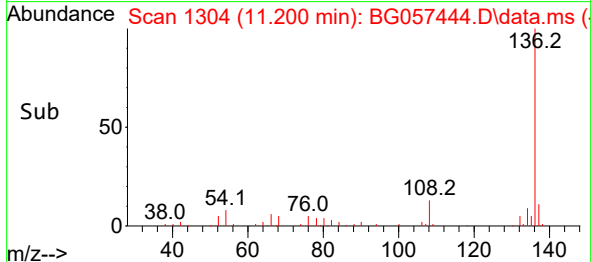
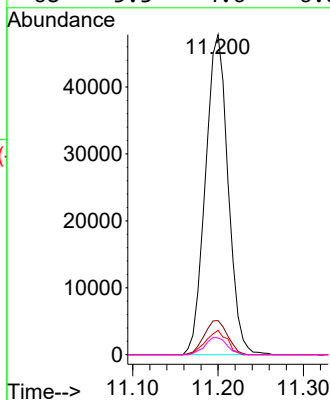
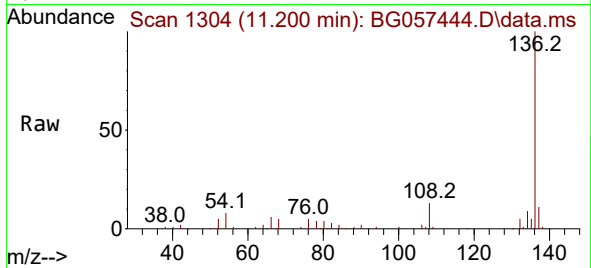




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.200 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG057444.D
Acq: 17 May 2023 11:43

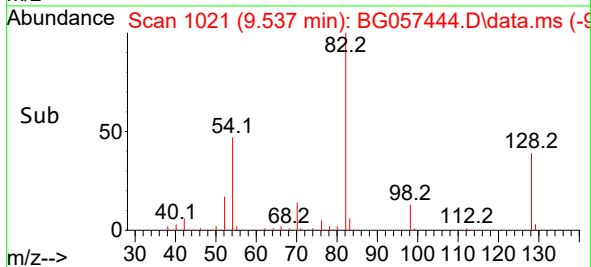
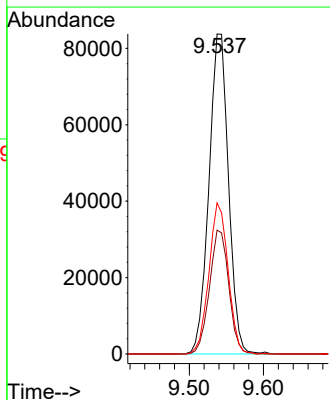
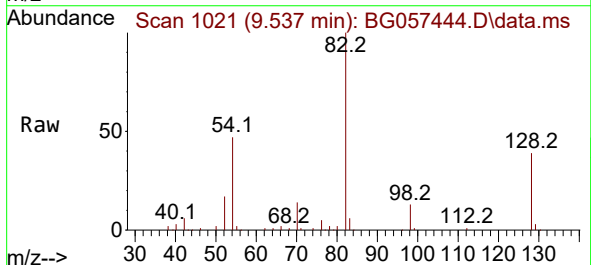
Instrument :
BNA_G
ClientSampleId :
PB152384BL

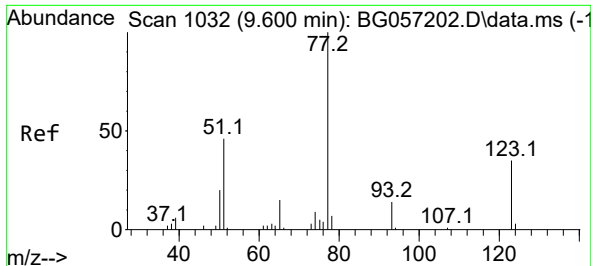
Tgt Ion:	136	Resp:	88219
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.3	12.5
54	7.6	6.7	10.1
68	5.3	4.6	6.8



#23
Nitrobenzene-d5
Concen: 72.897 ng
RT: 9.537 min Scan# 1021
Delta R.T. -0.007 min
Lab File: BG057444.D
Acq: 17 May 2023 11:43

Tgt Ion:	82	Resp:	153223
Ion Ratio	Lower	Upper	
82	100		
128	38.7	29.0	43.4
54	47.2	41.4	62.0

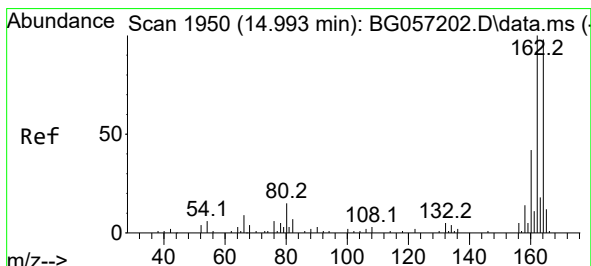
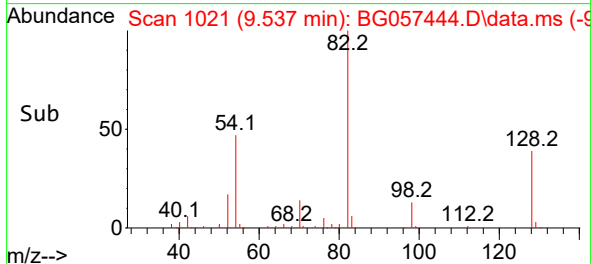
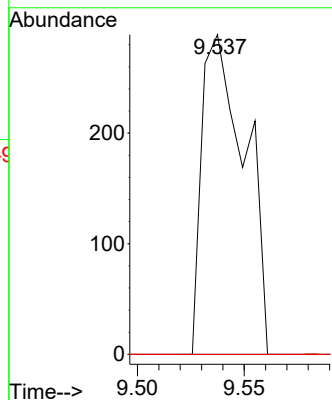
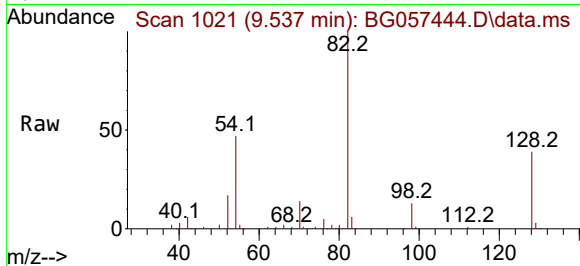




#24
Nitrobenzene
Concen: 0.191 ng
RT: 9.537 min Scan# 1032
Delta R.T. -0.048 min
Lab File: BG057444.D
Acq: 17 May 2023 11:43

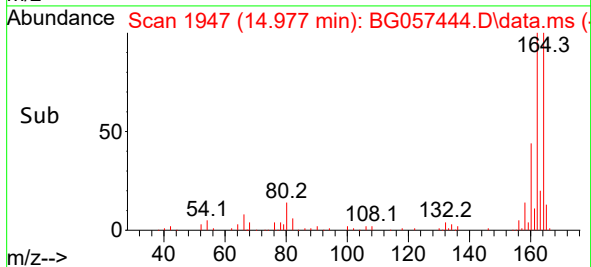
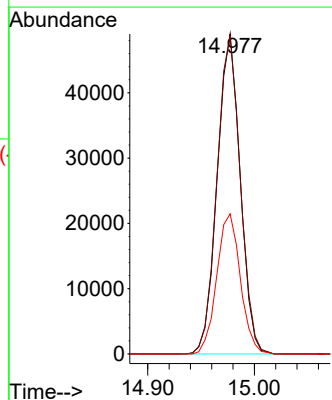
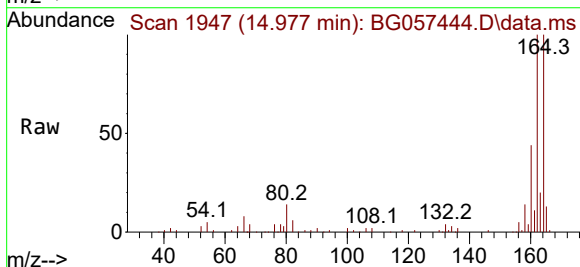
Instrument :
BNA_G
ClientSampleId :
PB152384BL

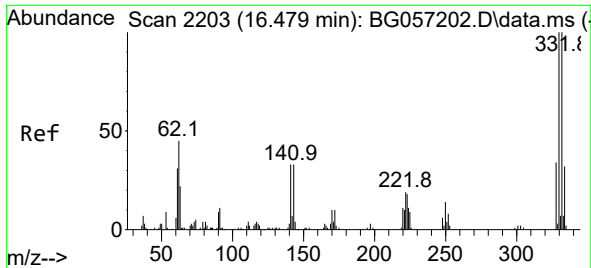
Tgt Ion: 77 Resp: 406
Ion Ratio Lower Upper
77 100
123 0.0 28.2 42.2#
65 0.0 11.7 17.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.977 min Scan# 1947
Delta R.T. -0.001 min
Lab File: BG057444.D
Acq: 17 May 2023 11:43

Tgt Ion: 164 Resp: 73173
Ion Ratio Lower Upper
164 100
162 99.6 81.8 122.6
160 43.8 34.6 52.0

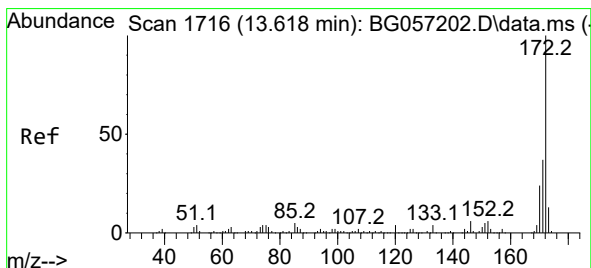
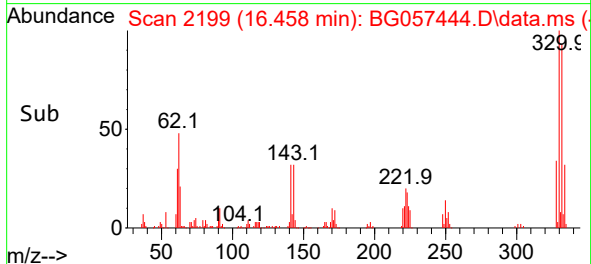
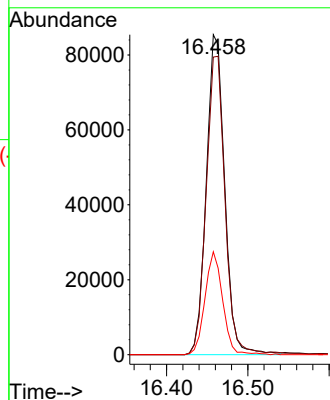
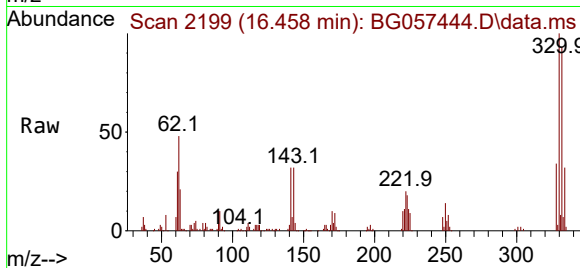




#42
2,4,6-Tribromophenol
Concen: 129.197 ng
RT: 16.458 min Scan# 2199
Delta R.T. -0.007 min
Lab File: BG057444.D
Acq: 17 May 2023 11:43

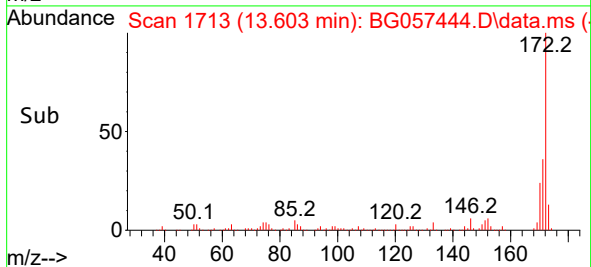
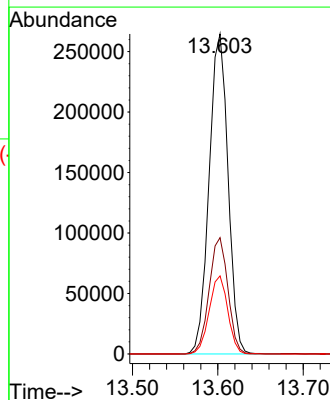
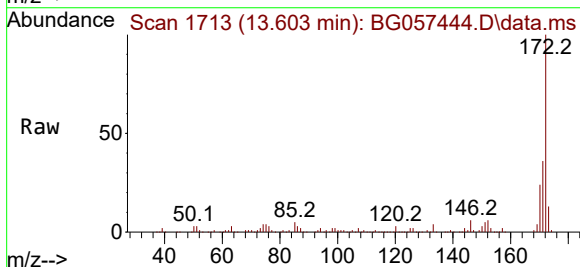
Instrument :
BNA_G
ClientSampleId :
PB152384BL

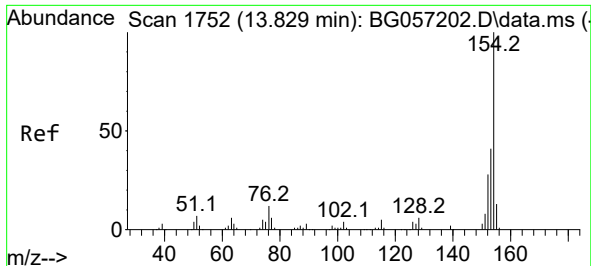
Tgt Ion:330 Resp: 134139
Ion Ratio Lower Upper
330 100
332 95.9 78.2 117.2
141 30.9 27.8 41.8



#45
2-Fluorobiphenyl
Concen: 75.152 ng
RT: 13.603 min Scan# 1713
Delta R.T. -0.001 min
Lab File: BG057444.D
Acq: 17 May 2023 11:43

Tgt Ion:172 Resp: 408310
Ion Ratio Lower Upper
172 100
171 36.3 29.4 44.0
170 24.4 19.0 28.6

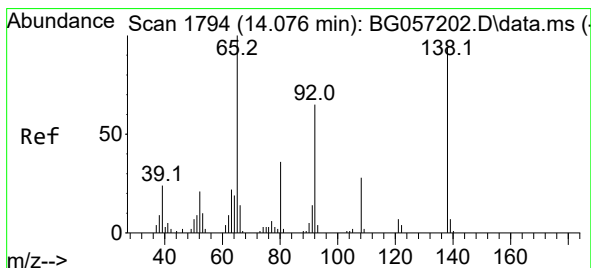
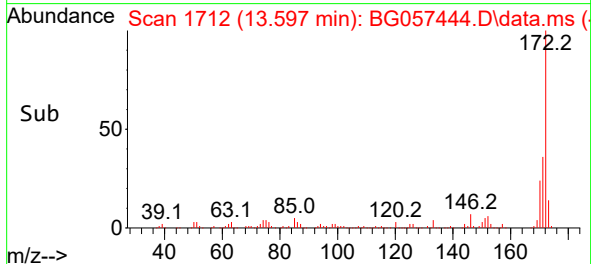
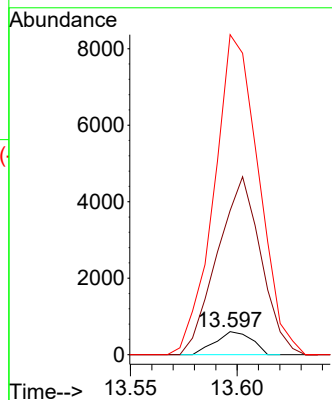
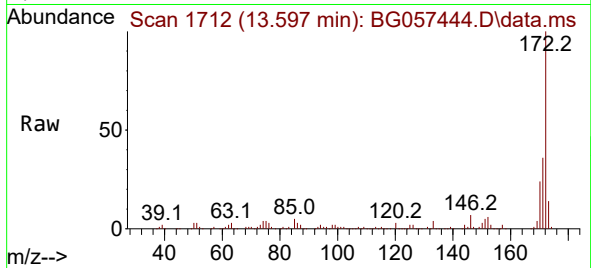




#46
1,1'-Biphenyl
Concen: 0.133 ng
RT: 13.597 min Scan# 1712
Delta R.T. -0.218 min
Lab File: BG057444.D
Acq: 17 May 2023 11:43

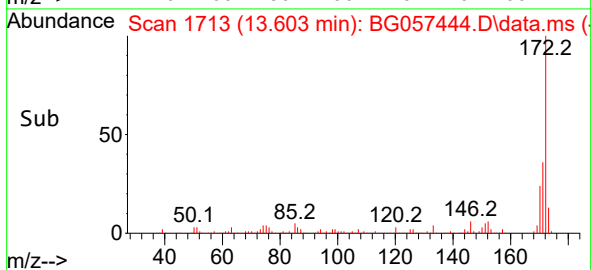
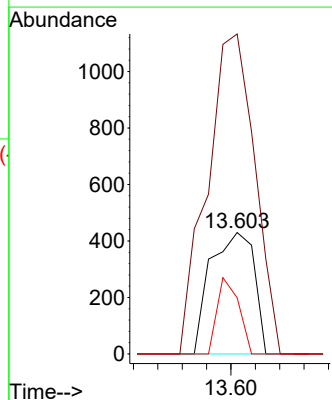
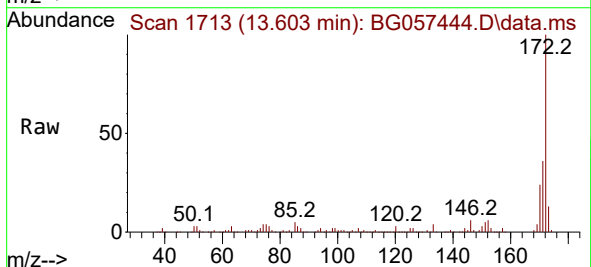
Instrument :
BNA_G
ClientSampleId :
PB152384BL

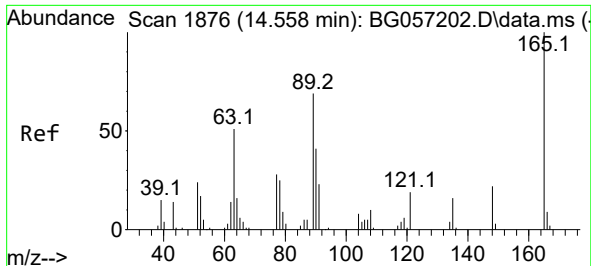
Tgt Ion:154 Resp: 720
Ion Ratio Lower Upper
154 100
153 624.2 20.9 60.9#
76 1385.3 0.0 31.7#



#48
2-Nitroaniline
Concen: 0.388 ng
RT: 13.603 min Scan# 1713
Delta R.T. -0.459 min
Lab File: BG057444.D
Acq: 17 May 2023 11:43

Tgt Ion: 65 Resp: 533
Ion Ratio Lower Upper
65 100
92 263.5 52.1 78.1#
138 46.3 75.3 112.9#

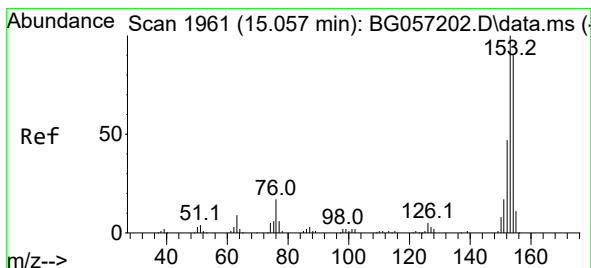
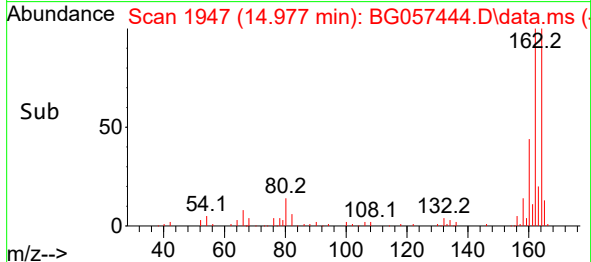
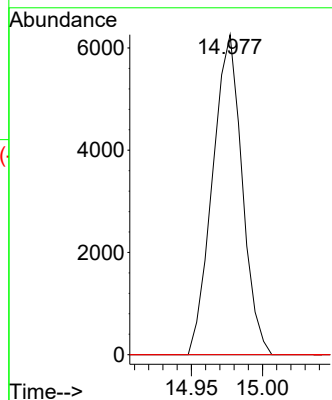
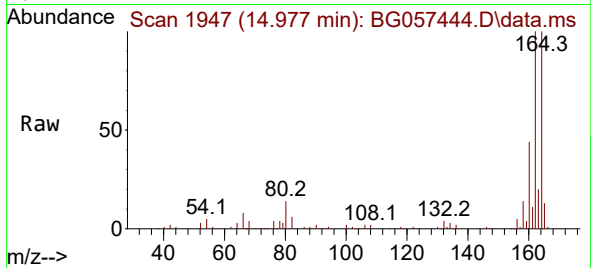




#51
2,6-Dinitrotoluene
Concen: 7.369 ng
RT: 14.977 min Scan# 1947
Delta R.T. 0.428 min
Lab File: BG057444.D
Acq: 17 May 2023 11:43

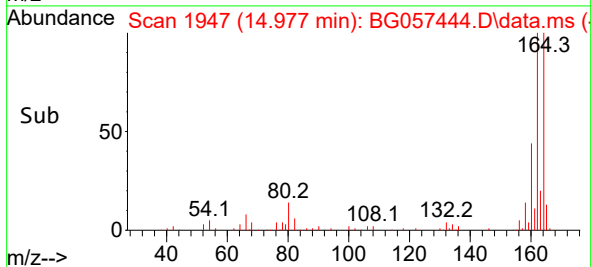
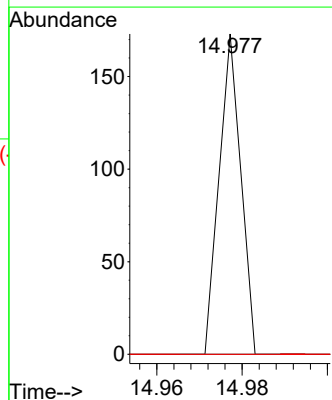
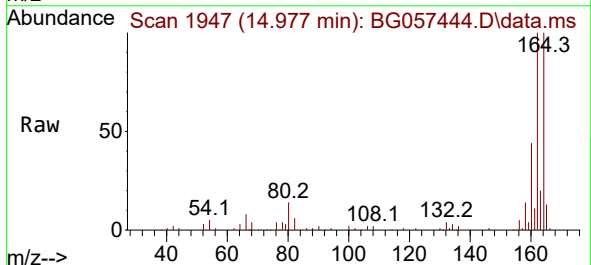
Instrument :
BNA_G
ClientSampleId :
PB152384BL

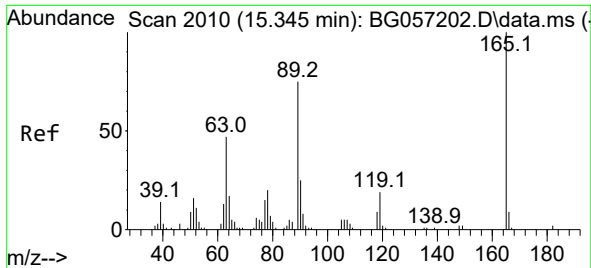
Tgt Ion:165 Resp: 9047
Ion Ratio Lower Upper
165 100
63 0.0 50.9 76.3#
89 0.0 55.2 82.8#



#52
Acenaphthene
Concen: 0.015 ng
RT: 14.977 min Scan# 1947
Delta R.T. -0.065 min
Lab File: BG057444.D
Acq: 17 May 2023 11:43

Tgt Ion:154 Resp: 61
Ion Ratio Lower Upper
154 100
153 0.0 89.3 133.9#
152 0.0 41.7 62.5#

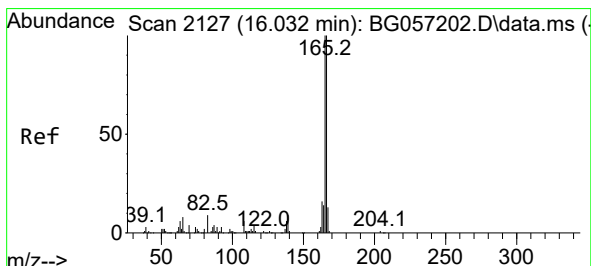
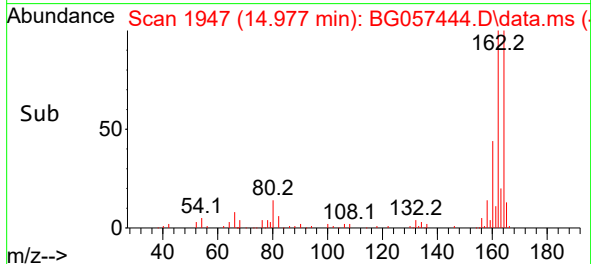
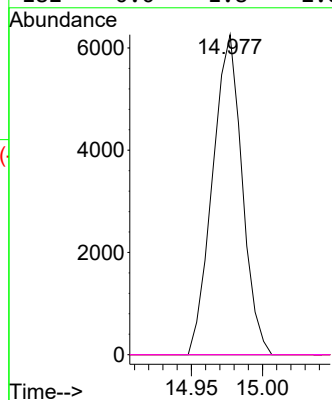
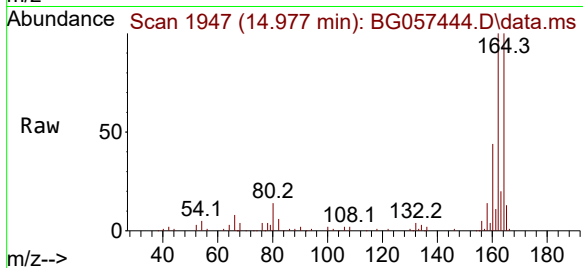




#57
2,4-Dinitrotoluene
Concen: 5.156 ng
RT: 14.977 min Scan# 1947
Delta R.T. -0.359 min
Lab File: BG057444.D
Acq: 17 May 2023 11:43

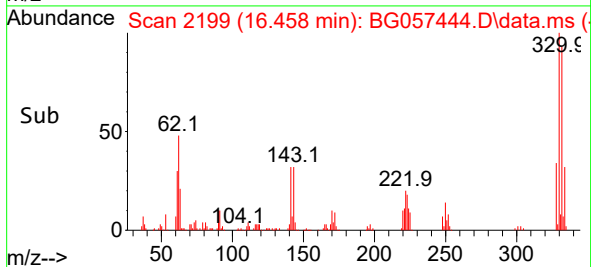
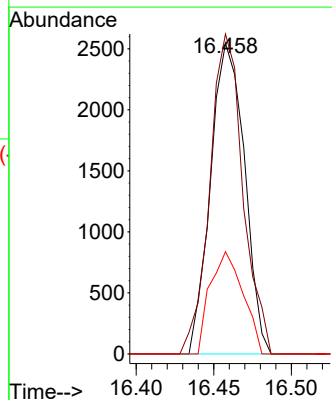
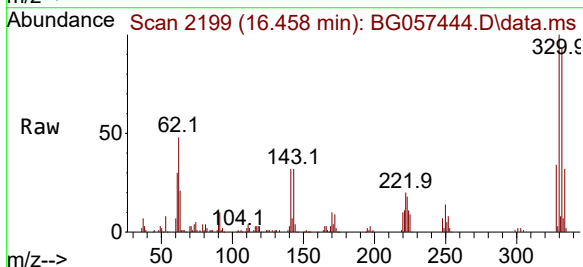
Instrument :
BNA_G
ClientSampleId :
PB152384BL

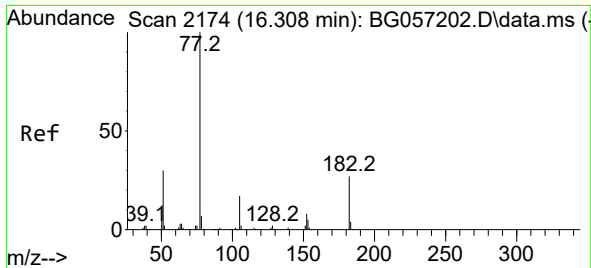
Tgt Ion:	165	Resp:	9047
Ion Ratio	Lower	Upper	
165	100		
63	0.0	37.5	56.3#
89	0.0	60.2	90.4#
182	0.0	1.8	2.8#



#58
Fluorene
Concen: 0.682 ng
RT: 16.458 min Scan# 2199
Delta R.T. 0.434 min
Lab File: BG057444.D
Acq: 17 May 2023 11:43

Tgt Ion:	166	Resp:	3871
Ion Ratio	Lower	Upper	
166	100		
165	103.0	80.1	120.1
167	32.9	10.2	15.2#

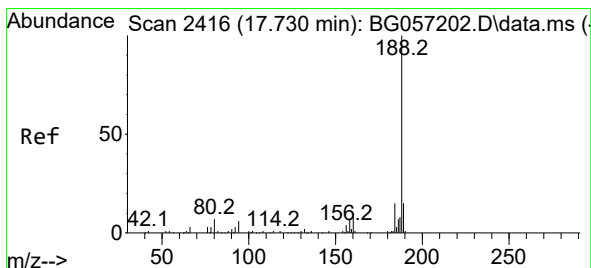
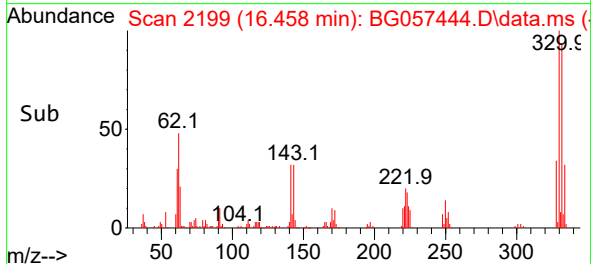
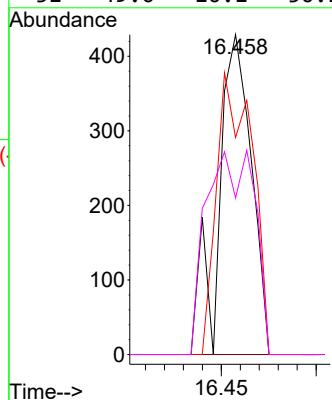
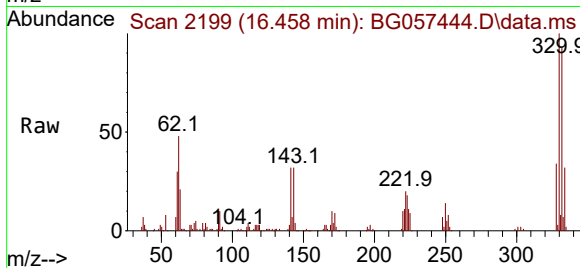




#63
Azobenzene
Concen: 0.087 ng
RT: 16.458 min Scan# 2174
Delta R.T. 0.164 min
Lab File: BG057444.D
Acq: 17 May 2023 11:43

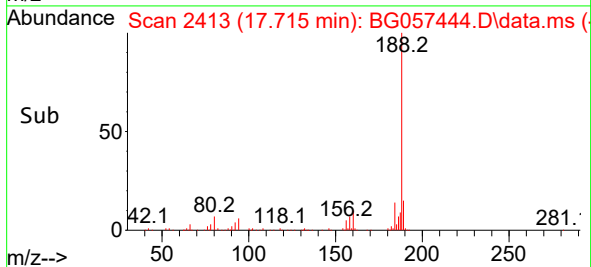
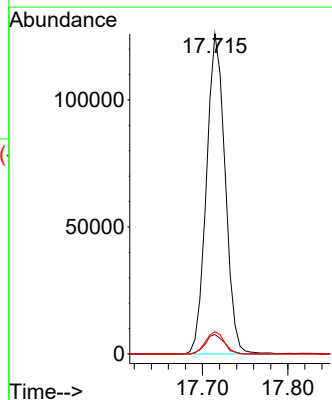
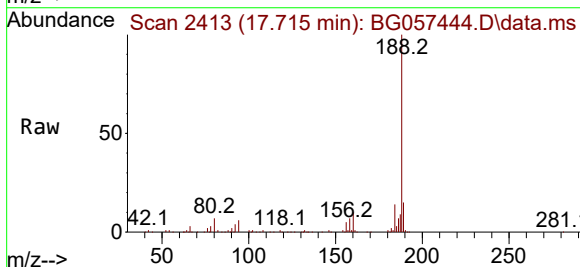
Instrument :
BNA_G
ClientSampleId :
PB152384BL

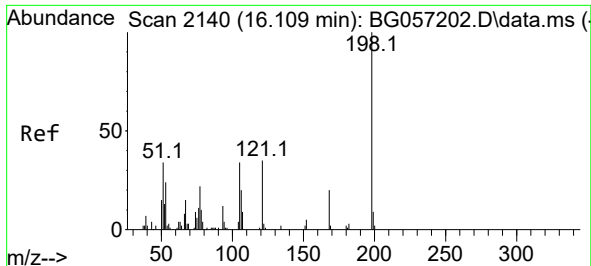
Tgt Ion: 77	Resp: 515
Ion Ratio	Lower Upper
77 100	
182 0.0	7.4 47.4#
105 67.8	0.0 37.2#
51 49.0	10.1 50.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.715 min Scan# 2413
Delta R.T. -0.007 min
Lab File: BG057444.D
Acq: 17 May 2023 11:43

Tgt Ion: 188	Resp: 191471
Ion Ratio	Lower Upper
188 100	
94 6.1	5.1 7.7
80 6.9	5.7 8.5

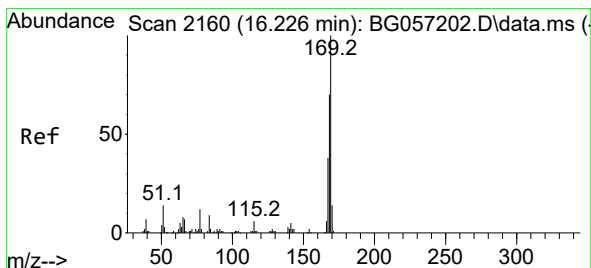
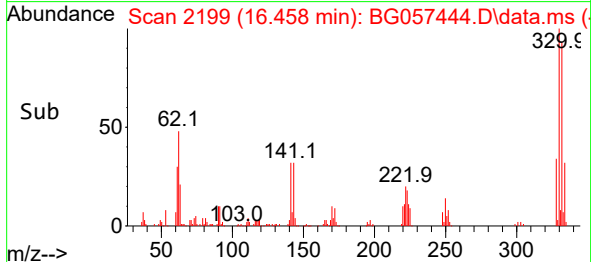
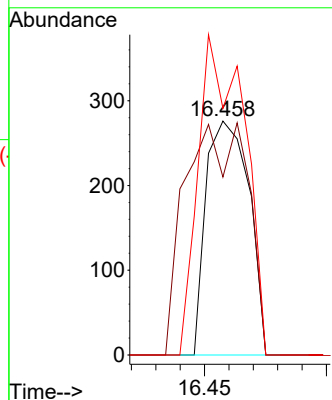
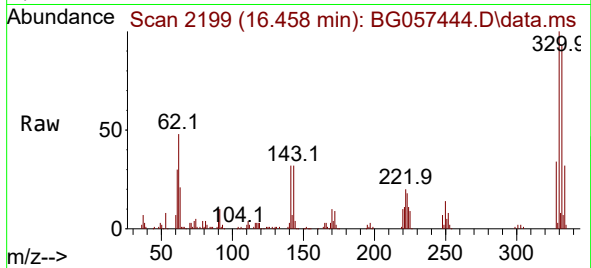




#65
4,6-Dinitro-2-methylphenol
Concen: 0.295 ng
RT: 16.458 min Scan# 2140
Delta R.T. 0.357 min
Lab File: BG057444.D
Acq: 17 May 2023 11:43

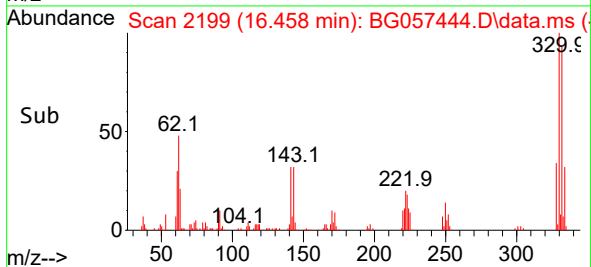
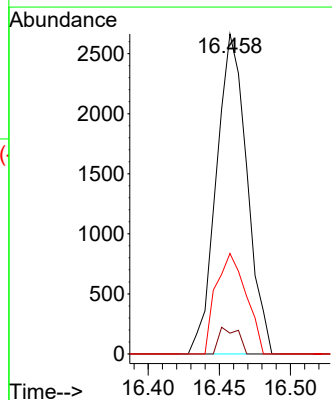
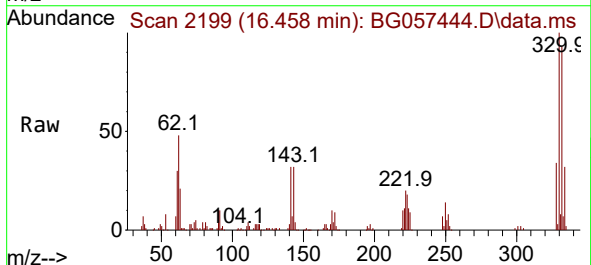
Instrument :
BNA_G
ClientSampleId :
PB152384BL

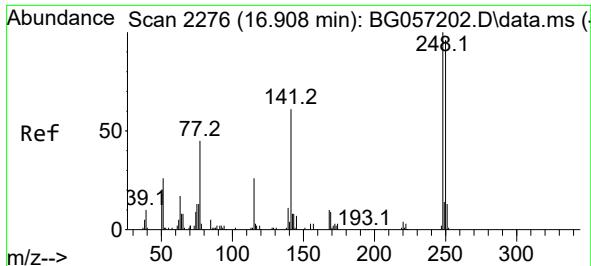
Tgt Ion:198 Resp: 337
Ion Ratio Lower Upper
198 100
51 76.1 16.1 56.1#
105 105.4 14.0 54.0#



#66
n-Nitrosodiphenylamine
Concen: 0.767 ng
RT: 16.458 min Scan# 2199
Delta R.T. 0.246 min
Lab File: BG057444.D
Acq: 17 May 2023 11:43

Tgt Ion:169 Resp: 3990
Ion Ratio Lower Upper
169 100
168 6.5 56.2 84.4#
167 31.4 30.2 45.4

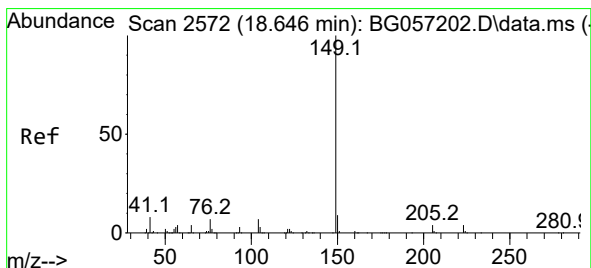
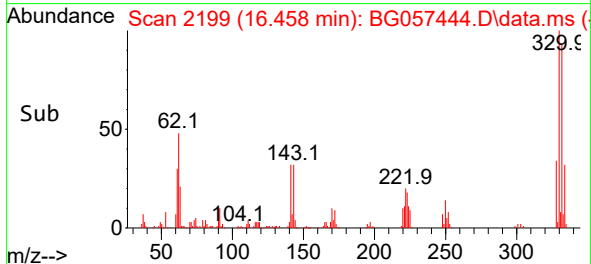
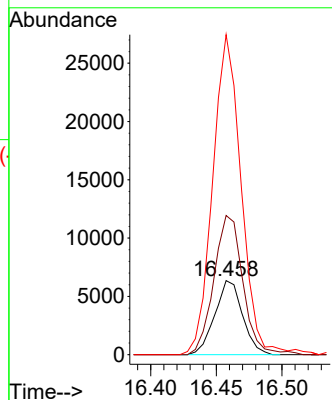
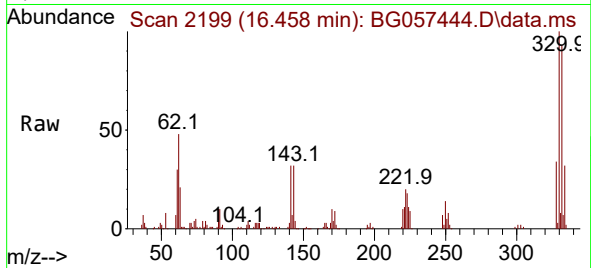




#67
4-Bromophenyl-phenylether
Concen: 3.981 ng
RT: 16.458 min Scan# 2199
Delta R.T. -0.436 min
Lab File: BG057444.D
Acq: 17 May 2023 11:43

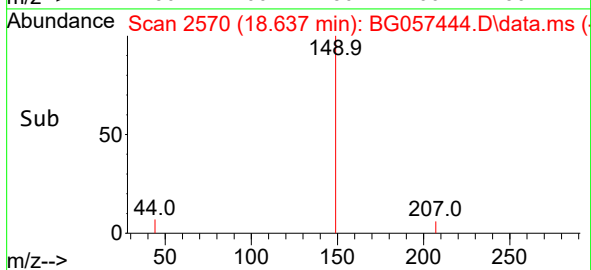
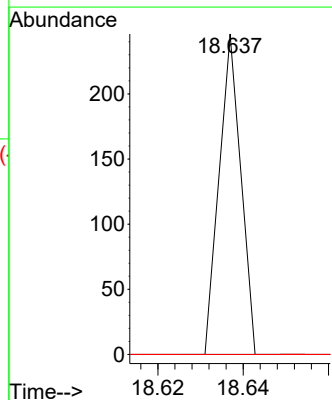
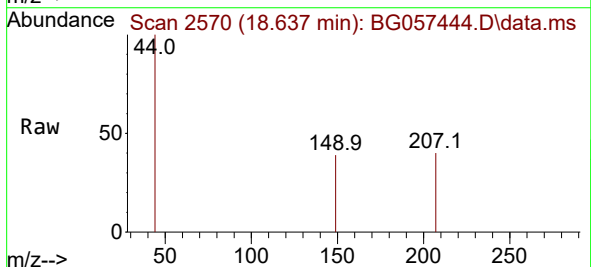
Instrument :
BNA_G
ClientSampleId :
PB152384BL

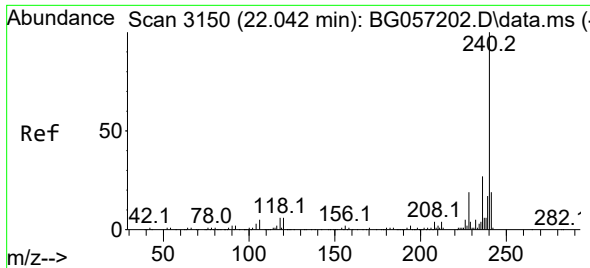
Tgt Ion:248 Resp: 9305
Ion Ratio Lower Upper
248 100
250 188.1 77.0 115.6#
141 432.0 48.6 72.8#



#74
Di-n-butylphthalate
Concen: 0.009 ng
RT: 18.637 min Scan# 2570
Delta R.T. -0.001 min
Lab File: BG057444.D
Acq: 17 May 2023 11:43

Tgt Ion:149 Resp: 87
Ion Ratio Lower Upper
149 100
150 0.0 7.3 10.9#
104 0.0 5.4 8.2#

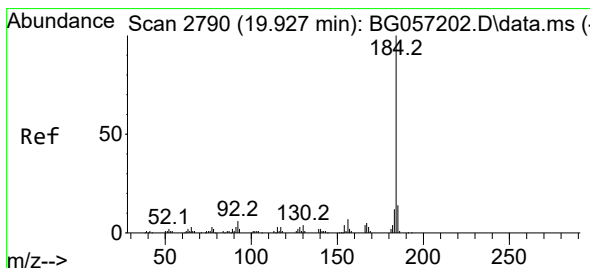
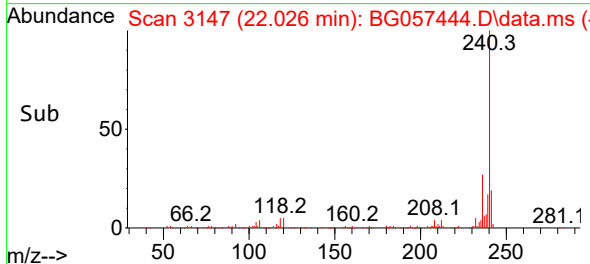
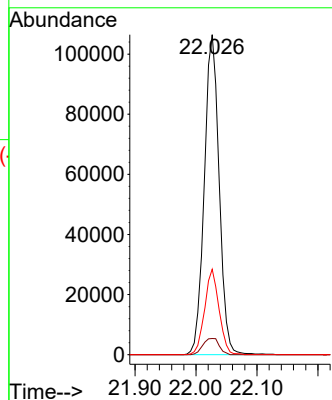
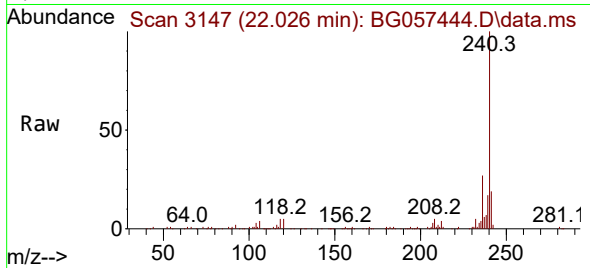




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.026 min Scan# 3150
Delta R.T. -0.007 min
Lab File: BG057444.D
Acq: 17 May 2023 11:43

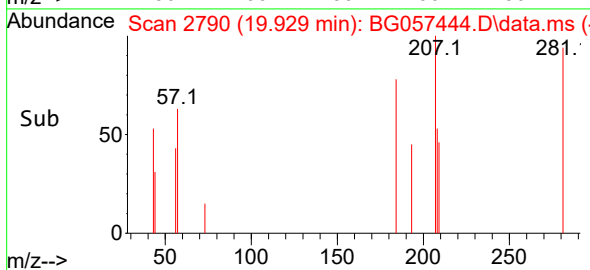
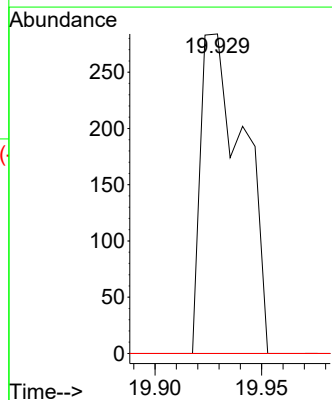
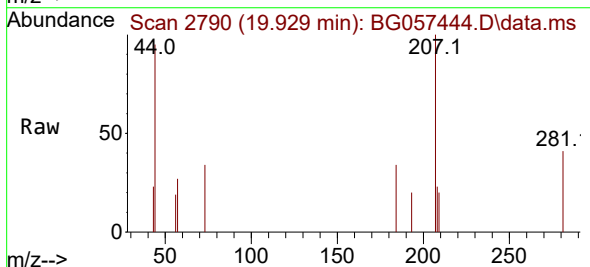
Instrument :
BNA_G
ClientSampleId :
PB152384BL

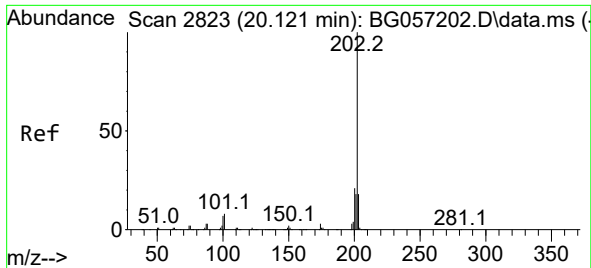
Tgt Ion:240 Resp: 180735
Ion Ratio Lower Upper
240 100
120 5.0 4.9 7.3
236 26.7 21.4 32.2



#77
Benzidine
Concen: 0.098 ng
RT: 19.929 min Scan# 2790
Delta R.T. 0.011 min
Lab File: BG057444.D
Acq: 17 May 2023 11:43

Tgt Ion:184 Resp: 397
Ion Ratio Lower Upper
184 100
185 0.0 11.1 16.7#
183 0.0 9.9 14.9#

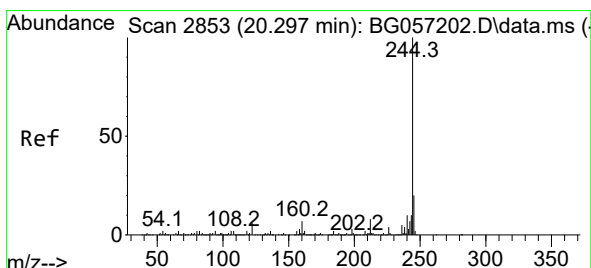
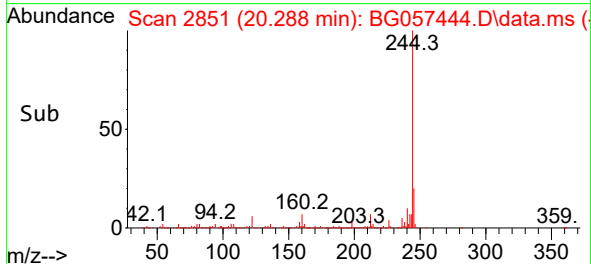
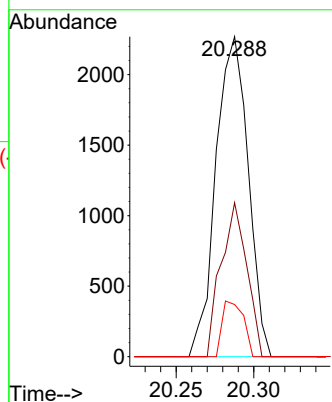
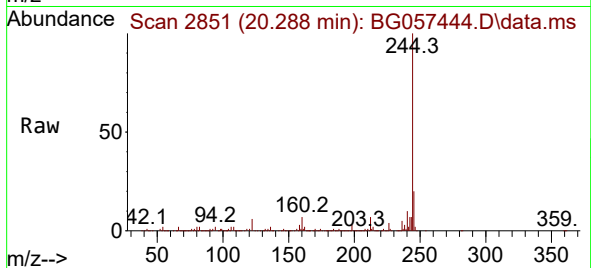




#78
 Pyrene
 Concen: 0.250 ng
 RT: 20.288 min Scan# 2851
 Delta R.T. 0.175 min
 Lab File: BG057444.D
 Acq: 17 May 2023 11:43

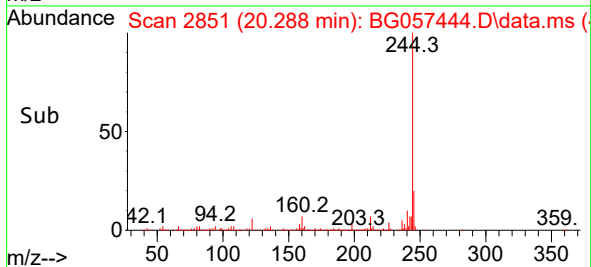
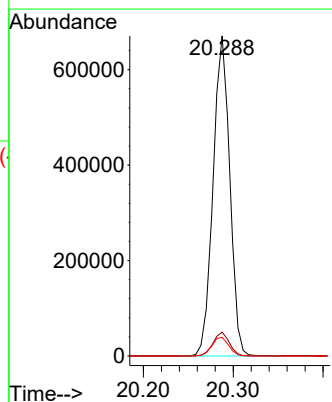
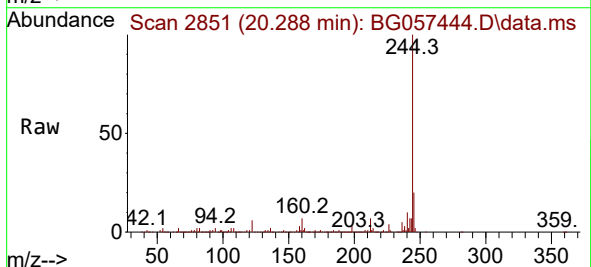
Instrument :
 BNA_G
 ClientSampleId :
 PB152384BL

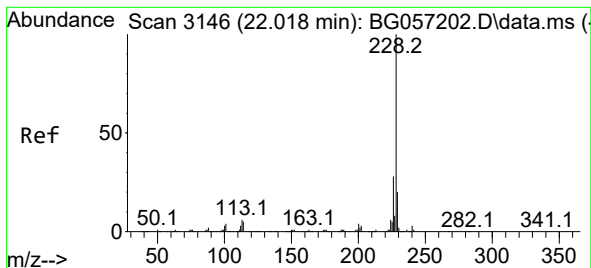
Tgt Ion:202 Resp: 3287
 Ion Ratio Lower Upper
 202 100
 200 48.1 17.0 25.4#
 203 16.3 14.2 21.4



#79
 Terphenyl-d14
 Concen: 78.166 ng
 RT: 20.288 min Scan# 2851
 Delta R.T. -0.001 min
 Lab File: BG057444.D
 Acq: 17 May 2023 11:43

Tgt Ion:244 Resp: 865687
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.1 9.1
 122 5.9 5.1 7.7





#81

Benzo(a)anthracene

Concen: 0.024 ng

RT: 22.021 min Scan# 3146

Delta R.T. 0.011 min

Lab File: BG057444.D

Acq: 17 May 2023 11:43

Instrument :

BNA_G

ClientSampleId :

PB152384BL

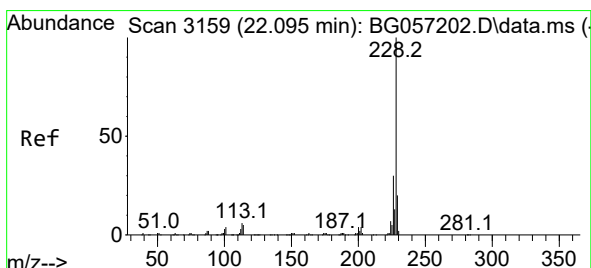
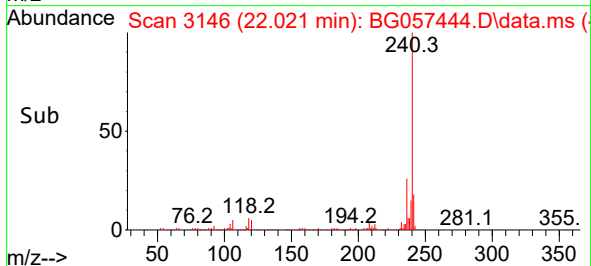
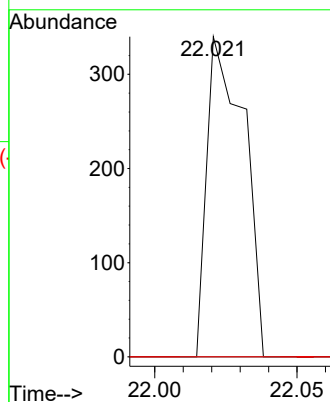
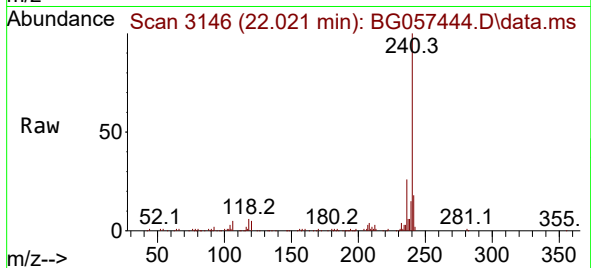
Tgt Ion:228 Resp: 307

Ion Ratio Lower Upper

228 100

226 0.0 22.0 33.0#

229 0.0 15.8 23.8#



#83

Chrysene

Concen: 0.025 ng

RT: 22.021 min Scan# 3146

Delta R.T. -0.060 min

Lab File: BG057444.D

Acq: 17 May 2023 11:43

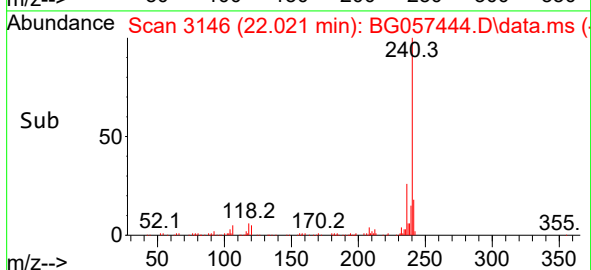
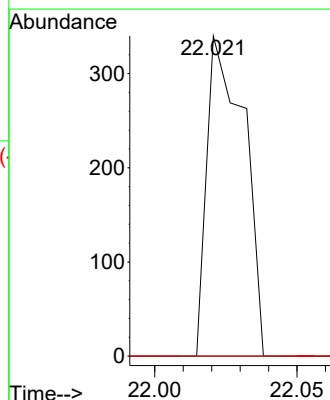
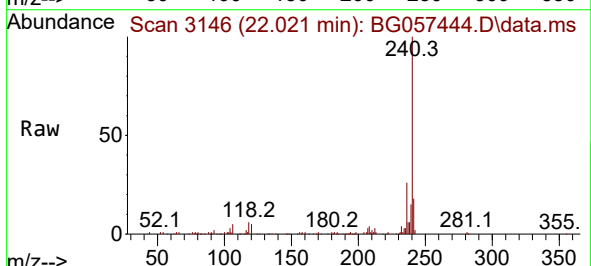
Tgt Ion:228 Resp: 307

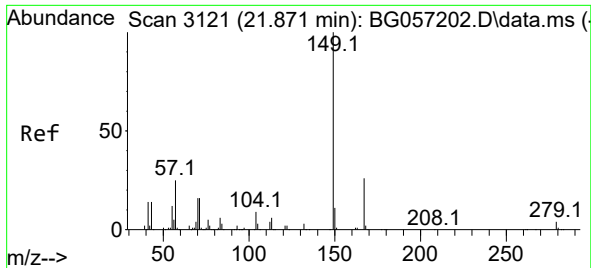
Ion Ratio Lower Upper

228 100

226 0.0 24.3 36.5#

229 0.0 15.9 23.9#

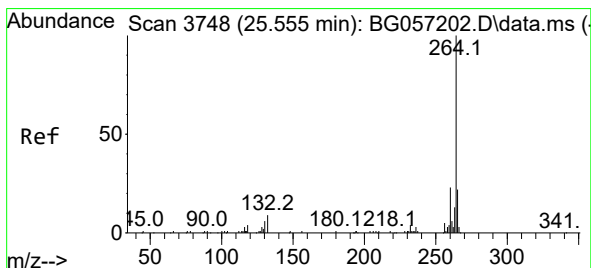
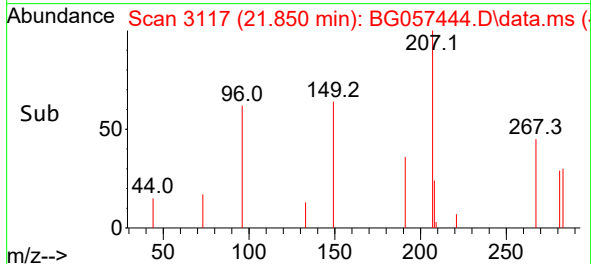
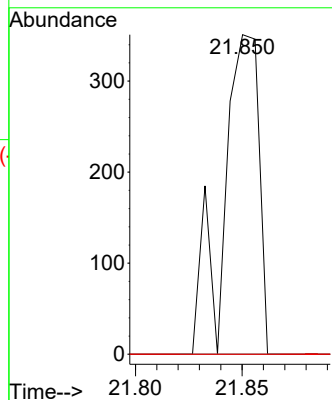
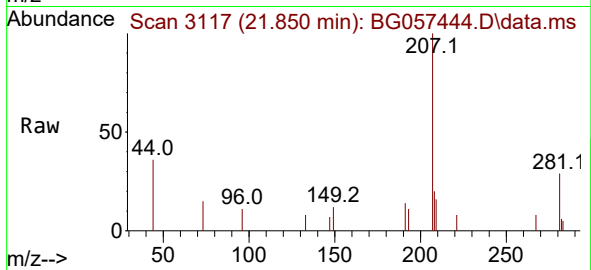




#84
Bis(2-ethylhexyl)phthalate
Concen: 0.066 ng
RT: 21.850 min Scan# 3121
Delta R.T. -0.007 min
Lab File: BG057444.D
Acq: 17 May 2023 11:43

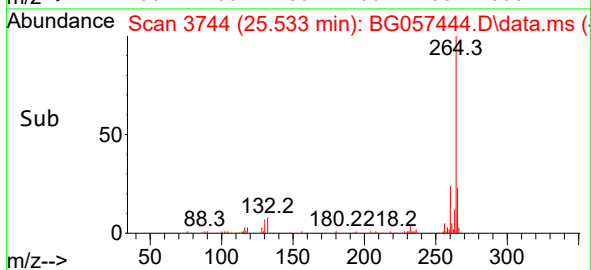
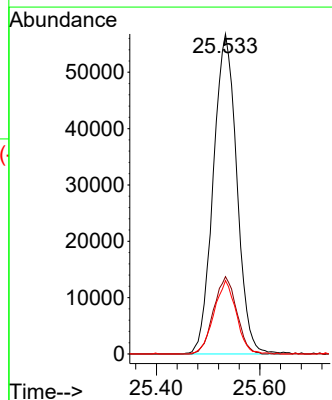
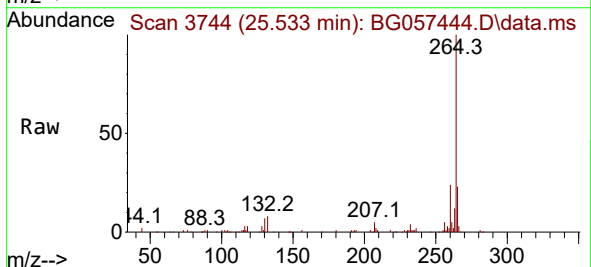
Instrument :
BNA_G
ClientSampleId :
PB152384BL

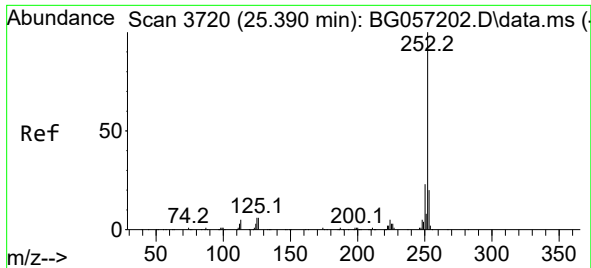
Tgt Ion:149 Resp: 409
Ion Ratio Lower Upper
149 100
167 0.0 21.2 31.8#
279 0.0 3.5 5.3#



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.533 min Scan# 3744
Delta R.T. -0.001 min
Lab File: BG057444.D
Acq: 17 May 2023 11:43

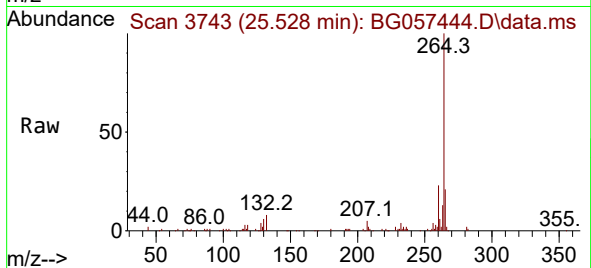
Tgt Ion:264 Resp: 179053
Ion Ratio Lower Upper
264 100
260 24.1 18.8 28.2
265 22.9 17.9 26.9





#90
 Benzo(a)pyrene
 Concen: 0.062 ng
 RT: 25.528 min Scan# 31
 Delta R.T. 0.152 min
 Lab File: BG057444.D
 Acq: 17 May 2023 11:43

Instrument :
 BNA_G
 ClientSampleId :
 PB152384BL



Tgt Ion	Ratio	Lower	Upper
252	100		
253	0.0	16.3	24.5#
125	0.0	5.0	7.4#

