

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
 Data File : BG057484.D
 Acq On : 20 May 2023 2:27
 Operator : CG/JU
 Sample : 02826-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-3-051723

Quant Time: May 20 04:32:16 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)

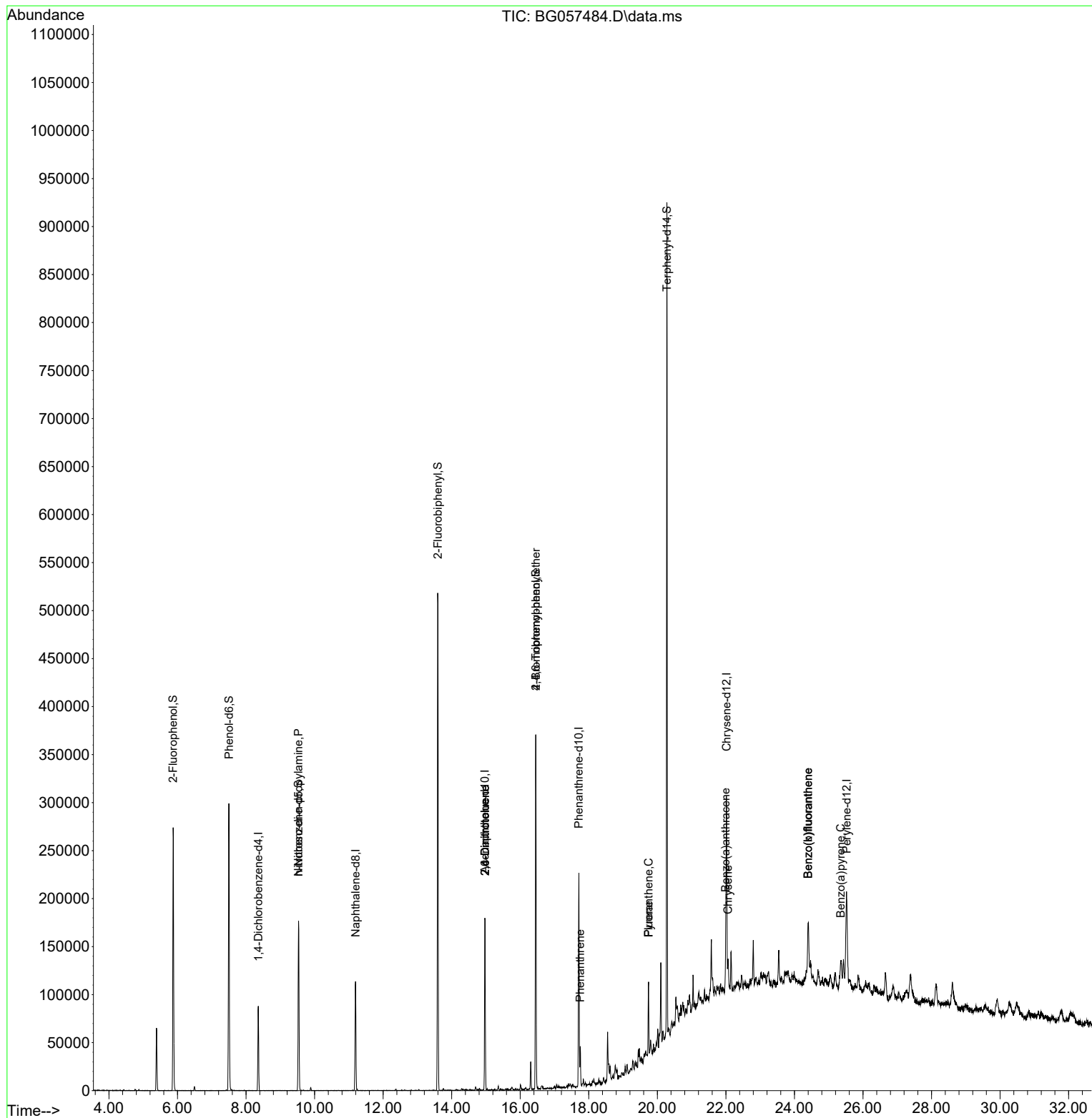
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.358	152	24756	20.000	ng	0.00
21) Naphthalene-d8	11.195	136	97653	20.000	ng	0.00
39) Acenaphthene-d10	14.967	164	65252	20.000	ng	0.00
64) Phenanthrene-d10	17.710	188	143124	20.000	ng	0.00
76) Chrysene-d12	22.016	240	122672	20.000	ng	0.00
86) Perylene-d12	25.523	264	135895	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.873	112	122751	84.819	ng	0.00
7) Phenol-d6	7.500	99	180851	82.294	ng	0.00
23) Nitrobenzene-d5	9.533	82	116542	50.089	ng	0.00
42) 2,4,6-Tribromophenol	16.453	330	75897	81.975	ng	0.00
45) 2-Fluorobiphenyl	13.598	172	285241	58.874	ng	0.00
79) Terphenyl-d14	20.277	244	426297	56.711	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.500	77	277	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	9.533	70	16605	9.909 ng	#	77
51) 2,6-Dinitrotoluene	14.973	165	8727	7.971 ng	#	17
57) 2,4-Dinitrotoluene	14.973	165	8727	5.578 ng	#	20
67) 4-Bromophenyl-phenylether	16.453	248	5086	2.911 ng	#	1
71) Phenanthrene	17.751	178	25927	3.535 ng		95
75) Fluoranthene	19.743	202	51929	5.693 ng		98
78) Pyrene	19.743	202	51929	5.825 ng		98
81) Benzo(a)anthracene	21.992	228	27344	3.129 ng	#	93
83) Chrysene	22.063	228	30716	3.735 ng	#	88
88) Benzo(b)fluoranthene	24.401	252	41528	4.675 ng	#	75
89) Benzo(k)fluoranthene	24.401	252	41528	4.600 ng	#	76
90) Benzo(a)pyrene	25.353	252	28017	3.228 ng	#	88

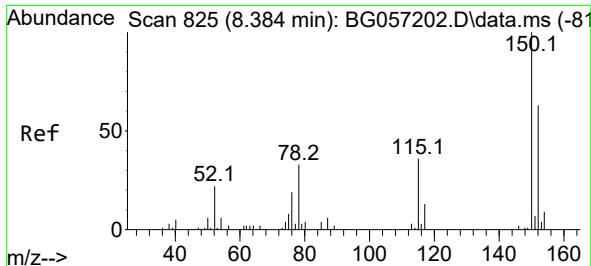
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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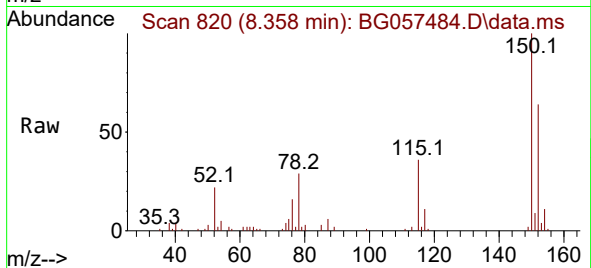
Quant Time: May 20 04:32:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
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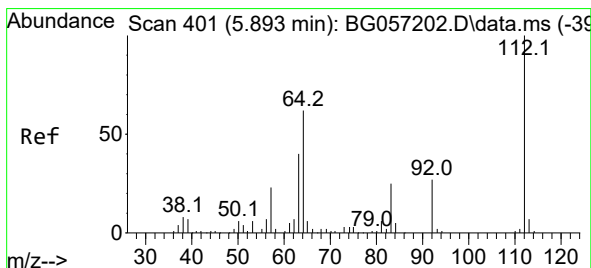
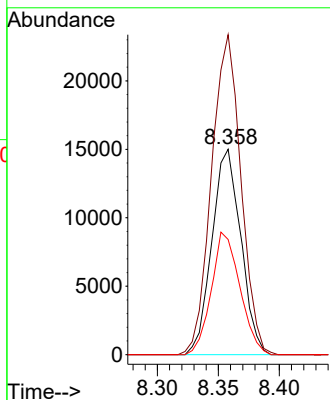
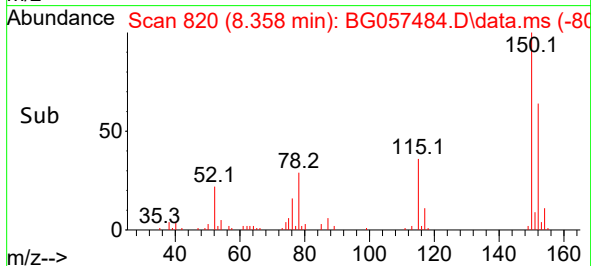


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.358 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG057484.D
Acq: 20 May 2023 2:27

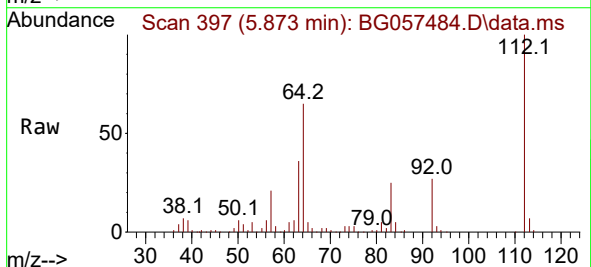
Instrument :
BNA_G
ClientSampleId :
SU-3-051723



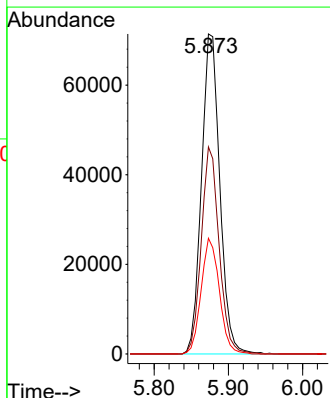
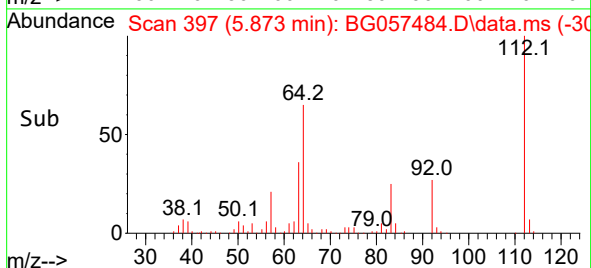
Tgt Ion:152 Resp: 24756
Ion Ratio Lower Upper
152 100
150 155.7 126.2 189.4
115 56.0 45.0 67.4

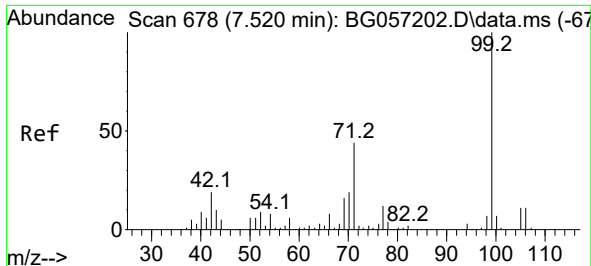


#5
2-Fluorophenol
Concen: 84.819 ng
RT: 5.873 min Scan# 397
Delta R.T. 0.002 min
Lab File: BG057484.D
Acq: 20 May 2023 2:27



Tgt Ion:112 Resp: 122751
Ion Ratio Lower Upper
112 100
64 64.7 49.4 74.2
63 36.1 31.6 47.4

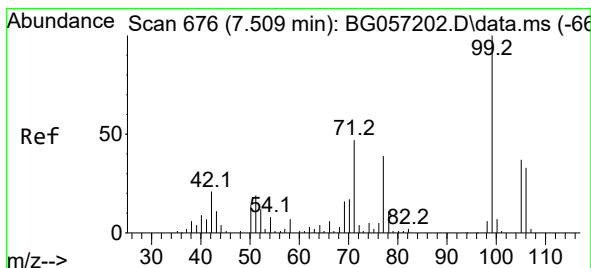
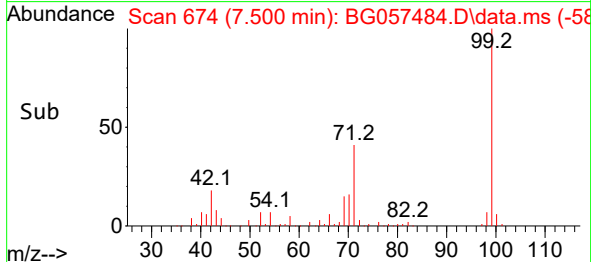
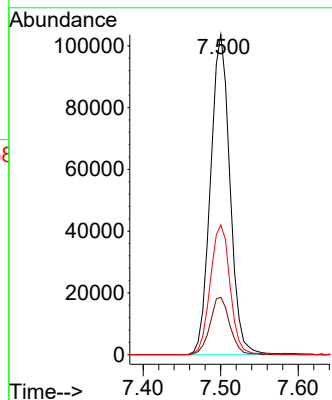
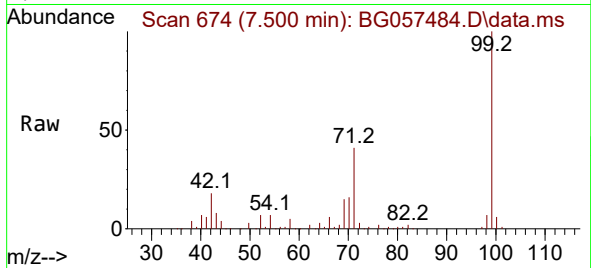




#7
Phenol-d6
Concen: 82.294 ng
RT: 7.500 min Scan# 61
Delta R.T. 0.002 min
Lab File: BG057484.D
Acq: 20 May 2023 2:27

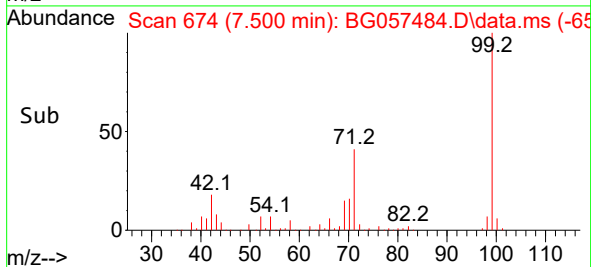
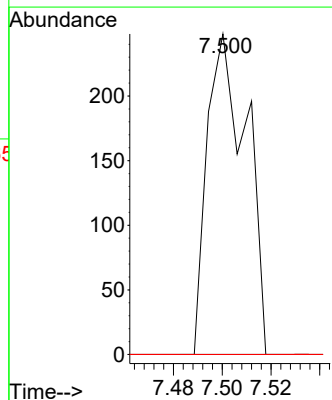
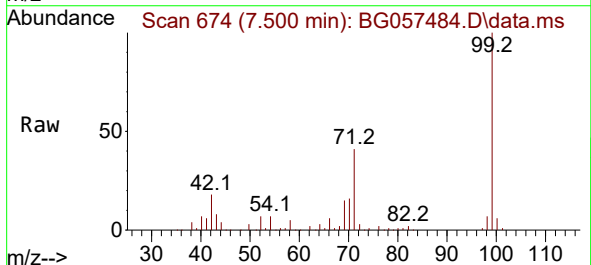
Instrument :
BNA_G
ClientSampleId :
SU-3-051723

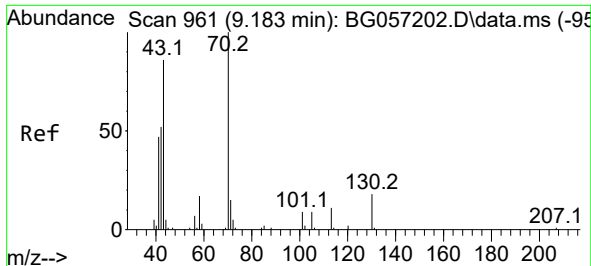
Tgt Ion: 99 Resp: 180851
Ion Ratio Lower Upper
99 100
42 17.9 15.1 22.7
71 40.5 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.500 min Scan# 674
Delta R.T. 0.014 min
Lab File: BG057484.D
Acq: 20 May 2023 2:27

Tgt Ion: 77 Resp: 277
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#

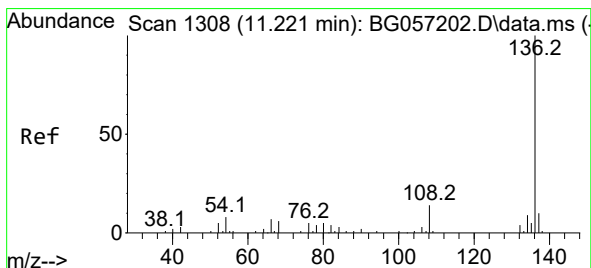
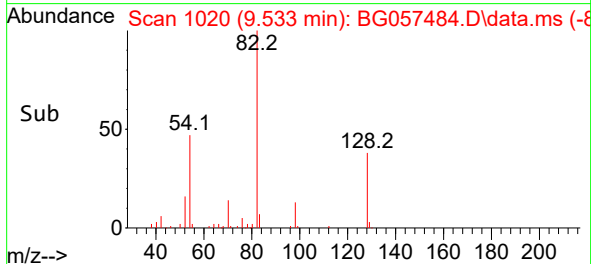
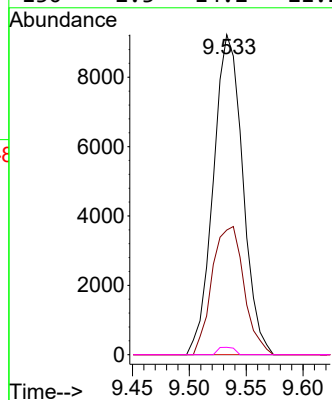
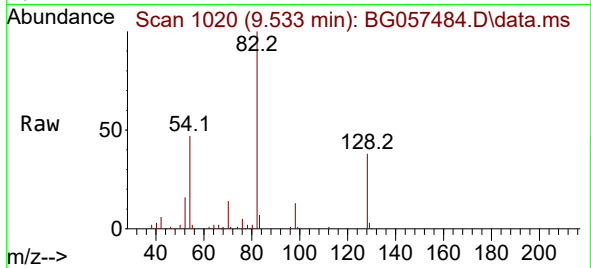




#19
n-Nitroso-di-n-propylamine
Concen: 9.909 ng
RT: 9.533 min Scan# 1020
Delta R.T. 0.372 min
Lab File: BG057484.D
Acq: 20 May 2023 2:27

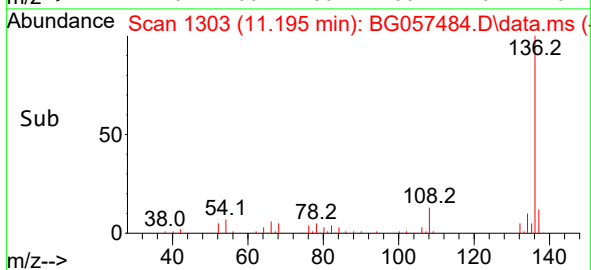
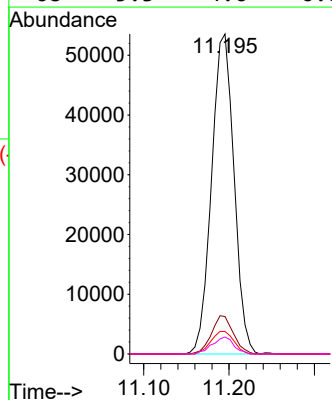
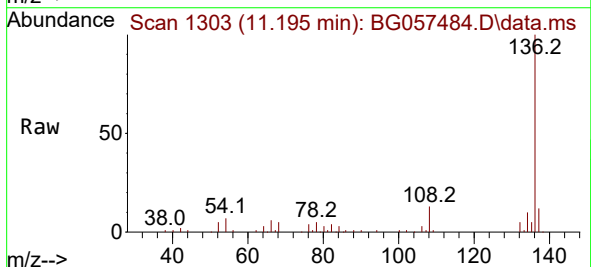
Instrument :
BNA_G
ClientSampleId :
SU-3-051723

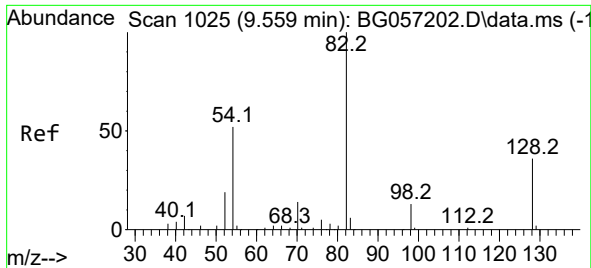
Tgt Ion: 70 Resp: 16605
Ion Ratio Lower Upper
70 100
42 39.0 41.8 62.8#
101 0.0 6.8 10.2#
130 2.3 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.195 min Scan# 1303
Delta R.T. -0.004 min
Lab File: BG057484.D
Acq: 20 May 2023 2:27

Tgt Ion: 136 Resp: 97653
Ion Ratio Lower Upper
136 100
137 11.7 8.3 12.5
54 7.0 6.7 10.1
68 5.3 4.6 6.8

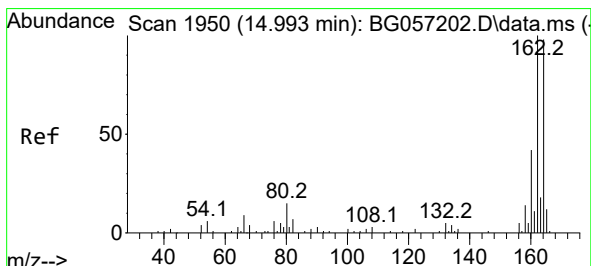
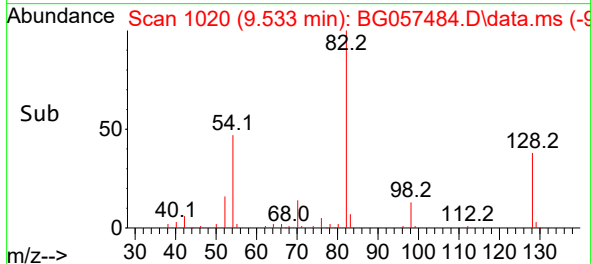
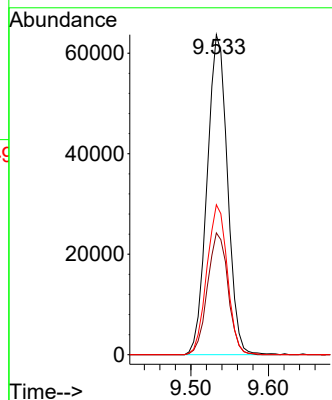
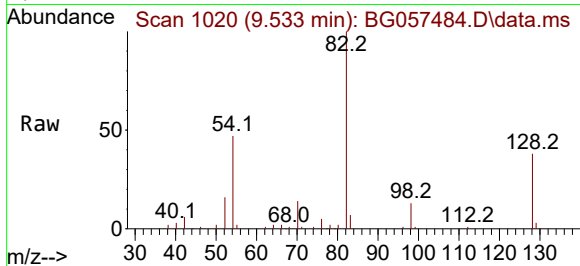




#23
 Nitrobenzene-d5
 Concen: 50.089 ng
 RT: 9.533 min Scan# 10
 Delta R.T. -0.004 min
 Lab File: BG057484.D
 Acq: 20 May 2023 2:27

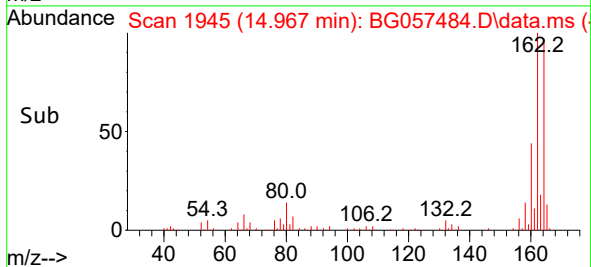
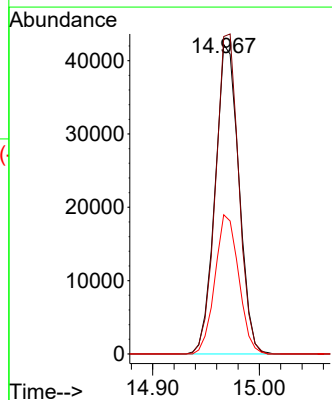
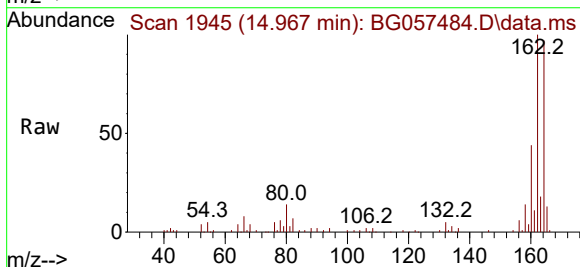
Instrument :
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 ClientSampleId :
 SU-3-051723

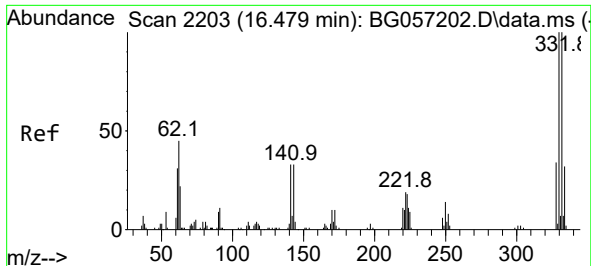
Tgt Ion: 82 Resp: 116542
 Ion Ratio Lower Upper
 82 100
 128 38.0 29.0 43.4
 54 46.9 41.4 62.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.967 min Scan# 1945
 Delta R.T. -0.010 min
 Lab File: BG057484.D
 Acq: 20 May 2023 2:27

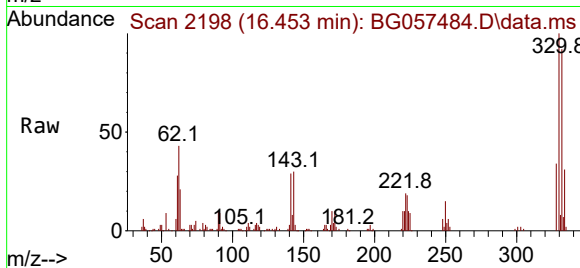
Tgt Ion:164 Resp: 65252
 Ion Ratio Lower Upper
 164 100
 162 102.6 81.8 122.6
 160 45.0 34.6 52.0



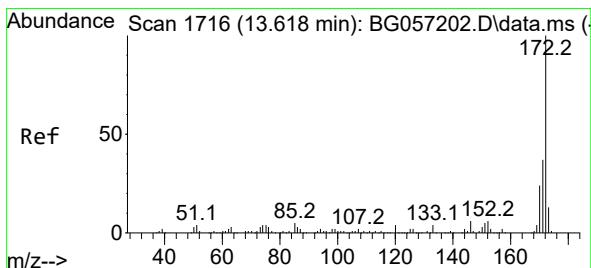
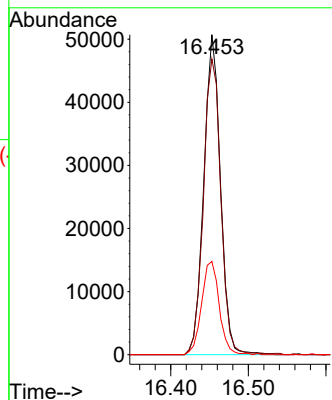
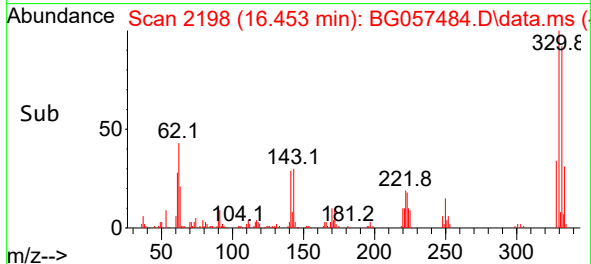


#42
2,4,6-Tribromophenol
Concen: 81.975 ng
RT: 16.453 min Scan# 2198
Delta R.T. -0.004 min
Lab File: BG057484.D
Acq: 20 May 2023 2:27

Instrument :
BNA_G
ClientSampleId :
SU-3-051723

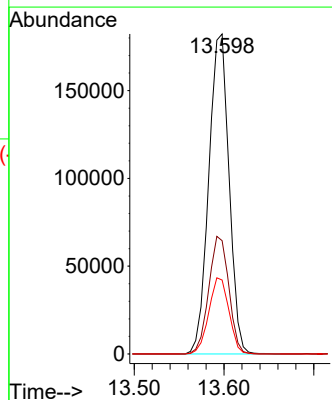
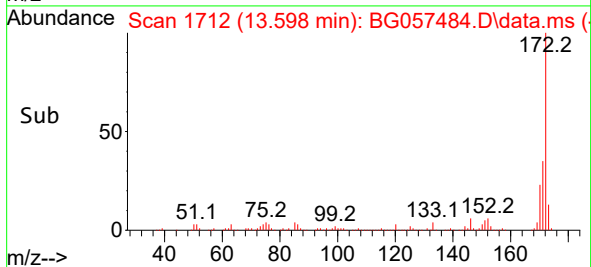
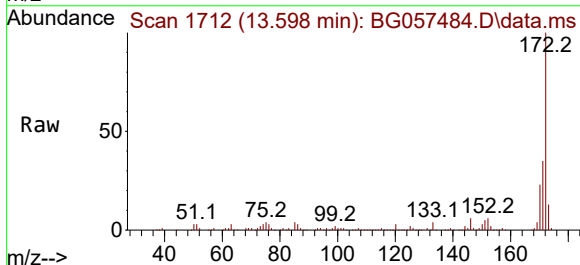


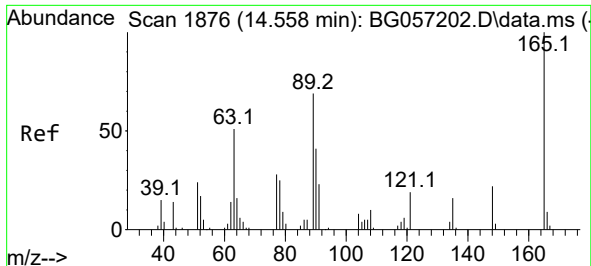
Tgt Ion:330 Resp: 75897
Ion Ratio Lower Upper
330 100
332 96.7 78.2 117.2
141 30.9 27.8 41.8



#45
2-Fluorobiphenyl
Concen: 58.874 ng
RT: 13.598 min Scan# 1712
Delta R.T. -0.004 min
Lab File: BG057484.D
Acq: 20 May 2023 2:27

Tgt Ion:172 Resp: 285241
Ion Ratio Lower Upper
172 100
171 35.4 29.4 44.0
170 23.1 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 7.971 ng

RT: 14.973 min Scan# 1946

Delta R.T. 0.431 min

Lab File: BG057484.D

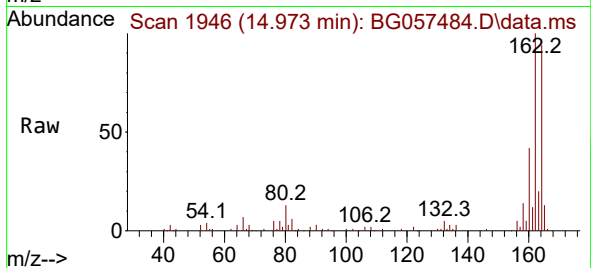
Acq: 20 May 2023 2:27

Instrument :

BNA_G

ClientSampleId :

SU-3-051723



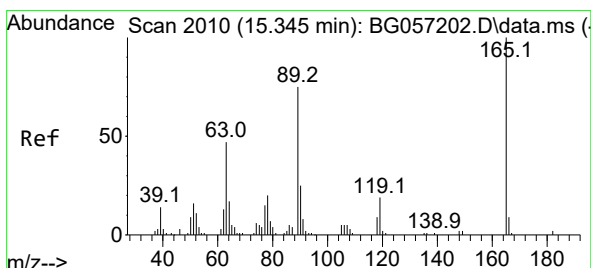
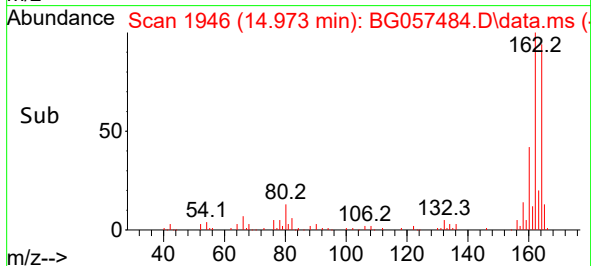
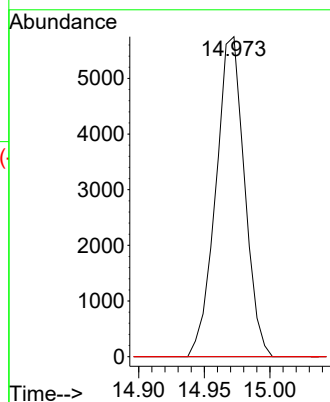
Tgt Ion:165 Resp: 8727

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: 5.578 ng

RT: 14.973 min Scan# 1946

Delta R.T. -0.356 min

Lab File: BG057484.D

Acq: 20 May 2023 2:27

Tgt Ion:165 Resp: 8727

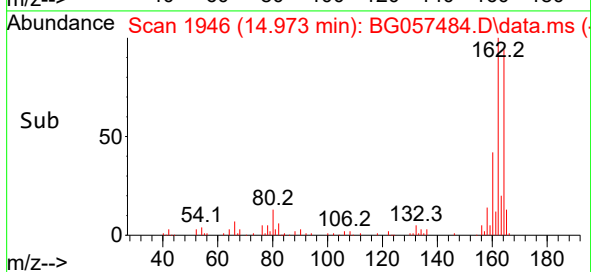
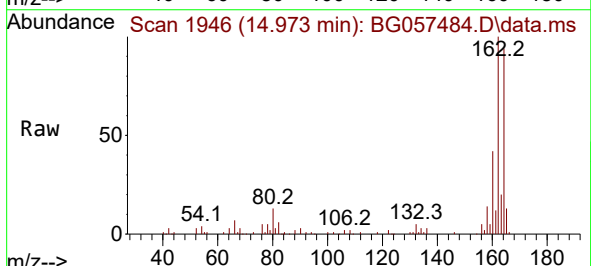
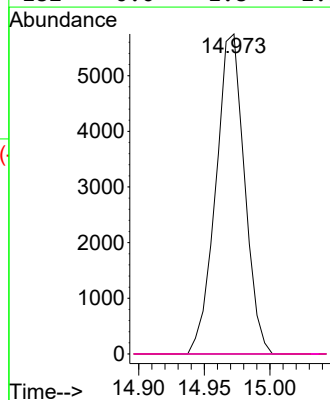
Ion Ratio Lower Upper

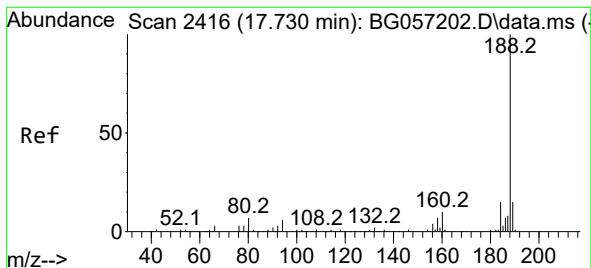
165 100

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: 17.710 min Scan# 2416

Delta R.T. -0.004 min

Lab File: BG057484.D

Acq: 20 May 2023 2:27

Instrument :

BNA_G

ClientSampleId :

SU-3-051723

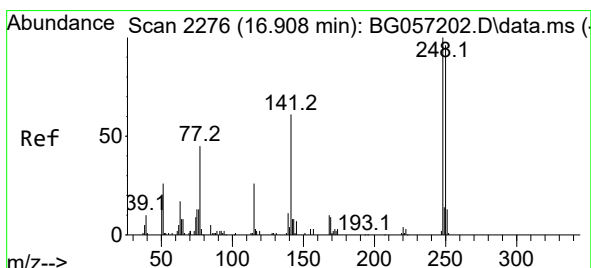
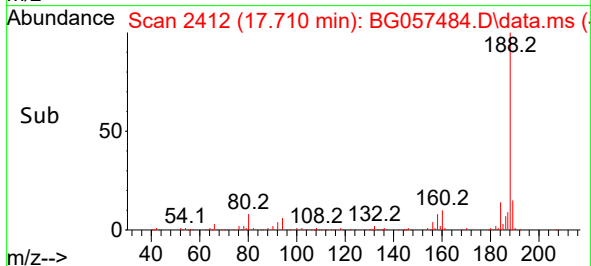
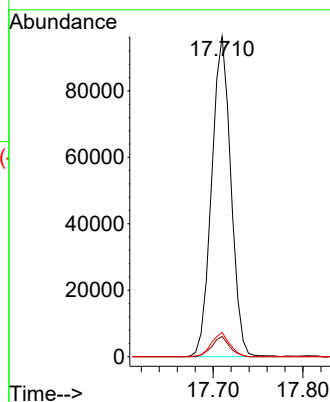
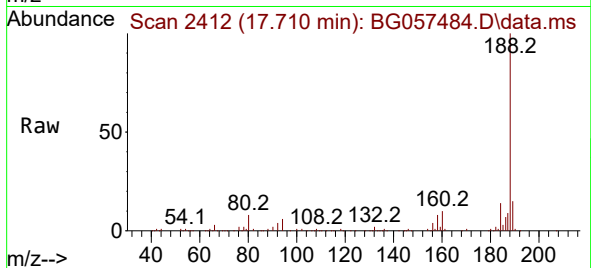
Tgt Ion:188 Resp: 143124

Ion Ratio Lower Upper

188 100

94 6.3 5.1 7.7

80 7.6 5.7 8.5



#67

4-Bromophenyl-phenylether

Concen: 2.911 ng

RT: 16.453 min Scan# 2198

Delta R.T. -0.433 min

Lab File: BG057484.D

Acq: 20 May 2023 2:27

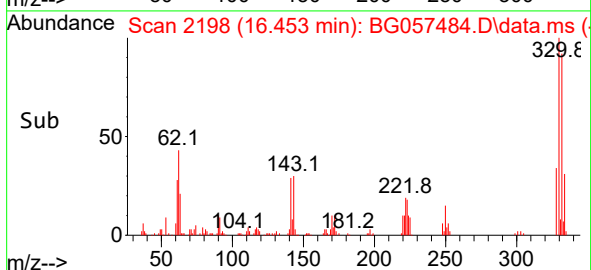
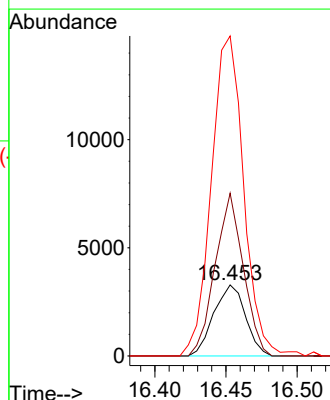
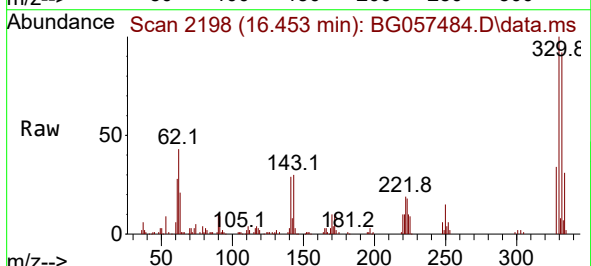
Tgt Ion:248 Resp: 5086

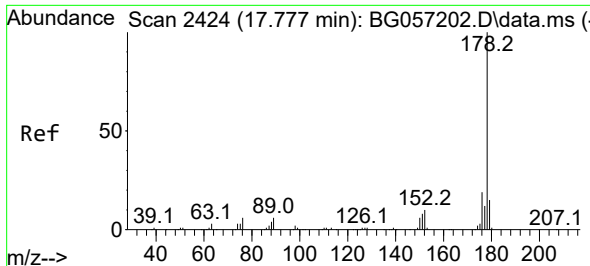
Ion Ratio Lower Upper

248 100

250 229.2 77.0 115.6#

141 450.6 48.6 72.8#

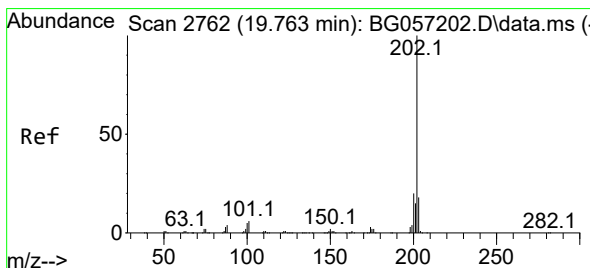
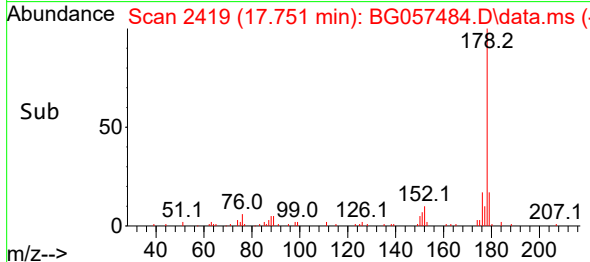
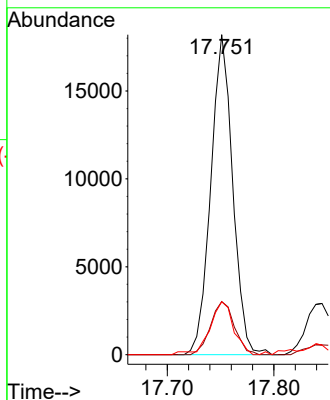
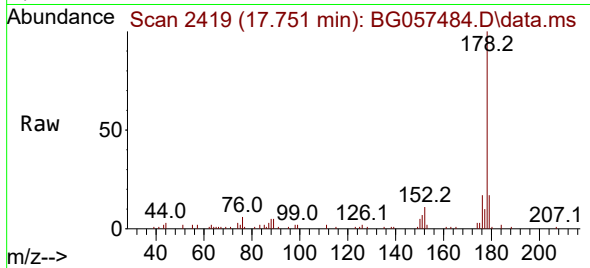




#71
Phenanthrene
Concen: 3.535 ng
RT: 17.751 min Scan# 2419
Delta R.T. -0.004 min
Lab File: BG057484.D
Acq: 20 May 2023 2:27

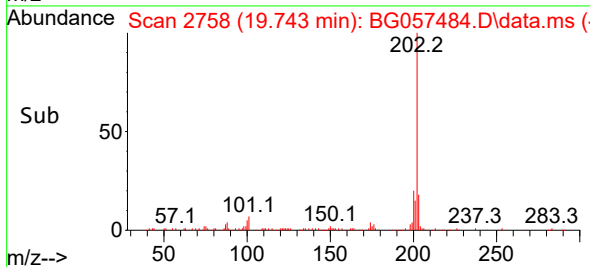
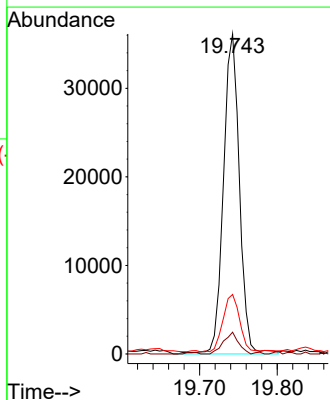
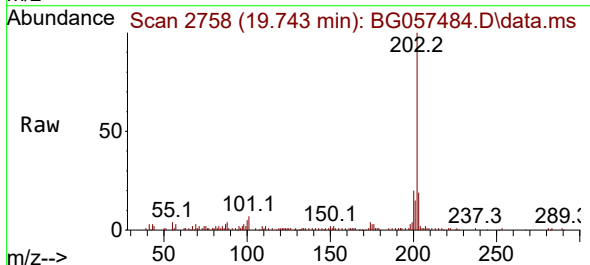
Instrument :
BNA_G
ClientSampleId :
SU-3-051723

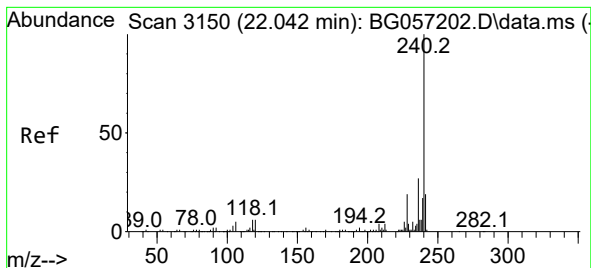
Tgt Ion:178 Resp: 25927
Ion Ratio Lower Upper
178 100
176 16.6 15.4 23.2
179 16.5 12.3 18.5



#75
Fluoranthene
Concen: 5.693 ng
RT: 19.743 min Scan# 2758
Delta R.T. -0.004 min
Lab File: BG057484.D
Acq: 20 May 2023 2:27

Tgt Ion:202 Resp: 51929
Ion Ratio Lower Upper
202 100
101 6.8 0.0 26.2
203 18.6 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.016 min Scan# 31

Delta R.T. -0.004 min

Lab File: BG057484.D

Acq: 20 May 2023 2:27

Instrument :

BNA_G

ClientSampleId :

SU-3-051723

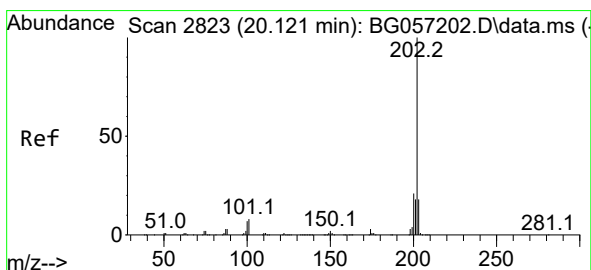
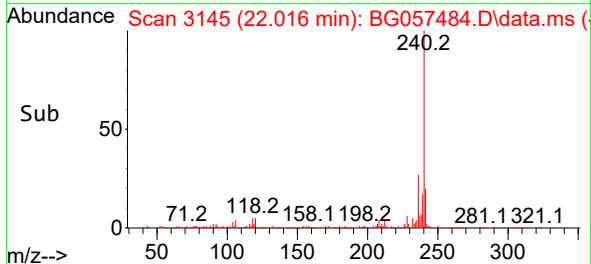
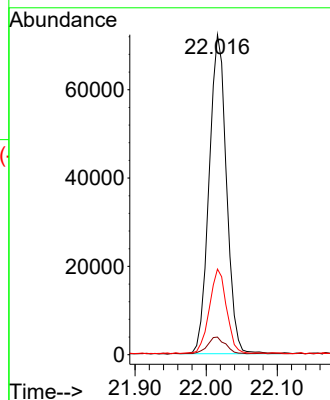
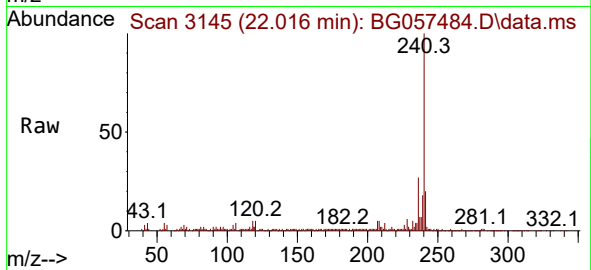
Tgt Ion:240 Resp: 122672

Ion Ratio Lower Upper

240 100

120 5.5 4.9 7.3

236 26.7 21.4 32.2



#78

Pyrene

Concen: 5.825 ng

RT: 19.743 min Scan# 2758

Delta R.T. -0.362 min

Lab File: BG057484.D

Acq: 20 May 2023 2:27

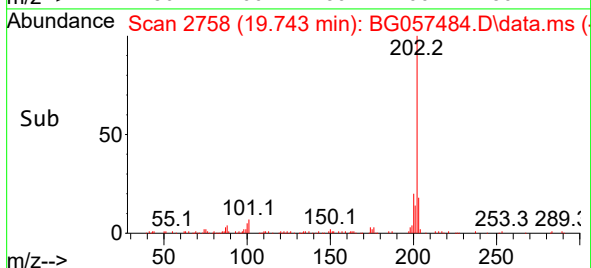
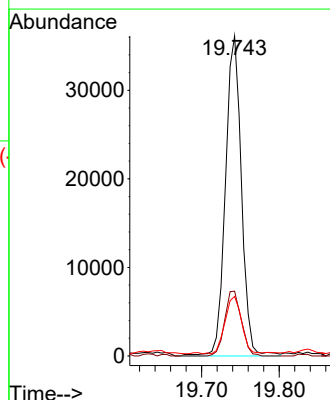
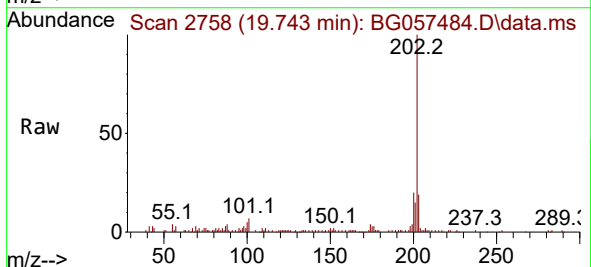
Tgt Ion:202 Resp: 51929

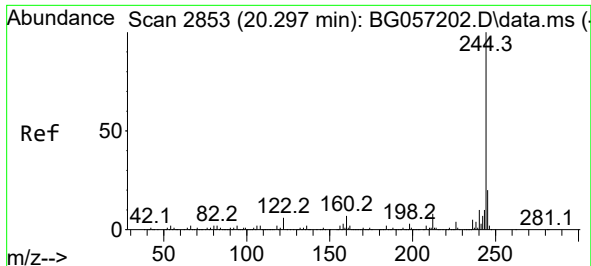
Ion Ratio Lower Upper

202 100

200 20.2 17.0 25.4

203 18.6 14.2 21.4

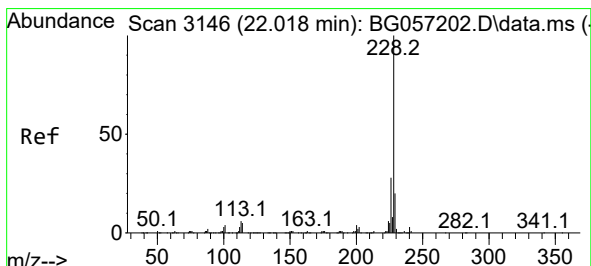
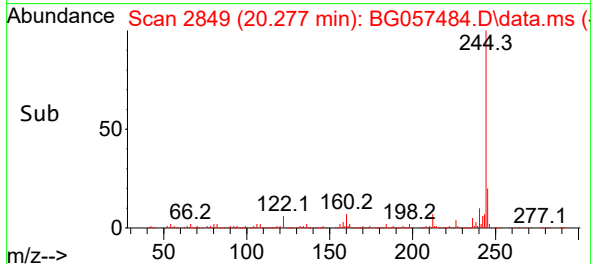
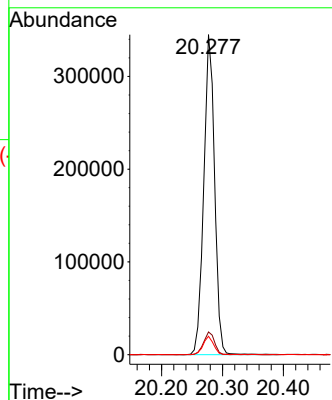
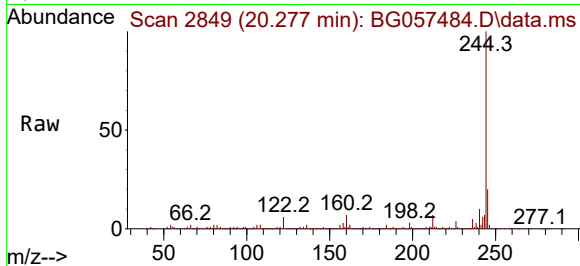




#79
 Terphenyl-d14
 Concen: 56.711 ng
 RT: 20.277 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG057484.D
 Acq: 20 May 2023 2:27

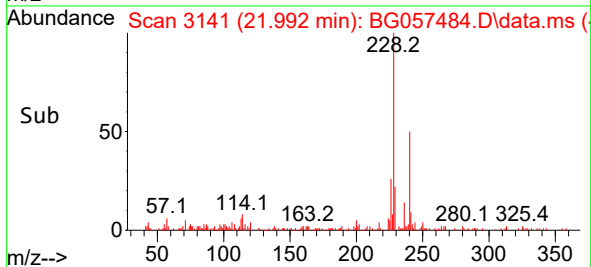
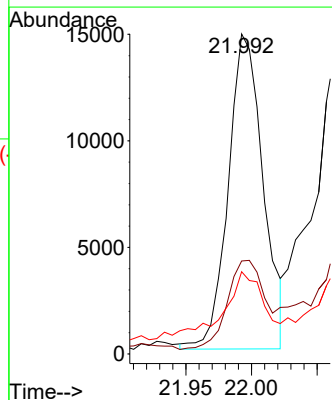
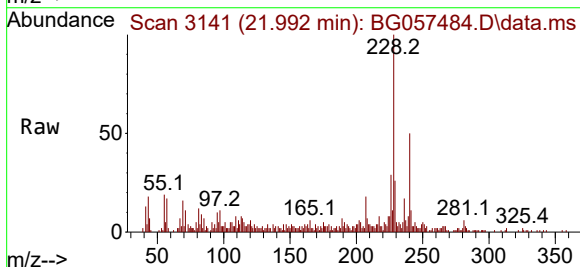
Instrument :
 BNA_G
 ClientSampleId :
 SU-3-051723

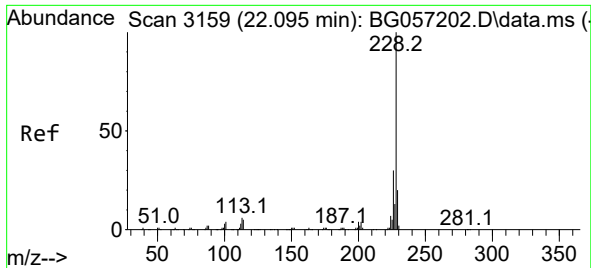
Tgt Ion:244 Resp: 426297
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 5.7 5.1 7.7



#81
 Benzo(a)anthracene
 Concen: 3.129 ng
 RT: 21.992 min Scan# 3141
 Delta R.T. -0.004 min
 Lab File: BG057484.D
 Acq: 20 May 2023 2:27

Tgt Ion:228 Resp: 27344
 Ion Ratio Lower Upper
 228 100
 226 29.1 22.0 33.0
 229 25.7 15.8 23.8#

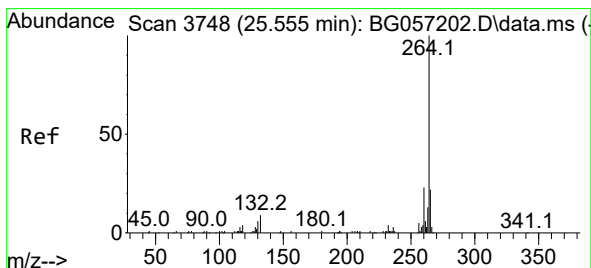
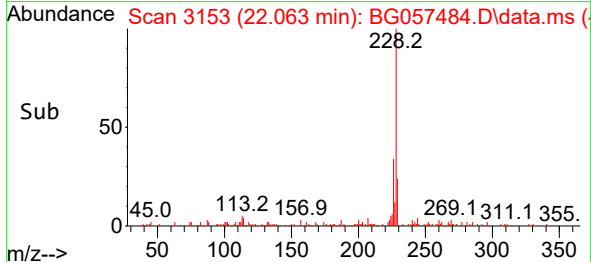
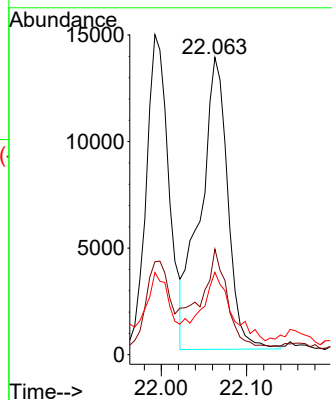
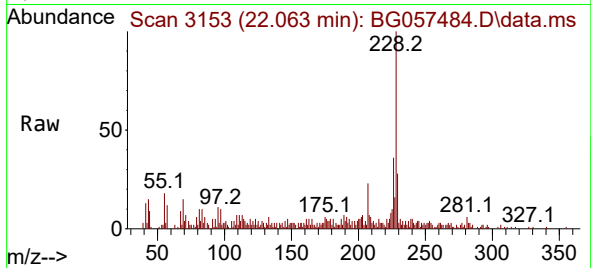




#83
Chrysene
Concen: 3.735 ng
RT: 22.063 min Scan# 3159
Delta R.T. -0.010 min
Lab File: BG057484.D
Acq: 20 May 2023 2:27

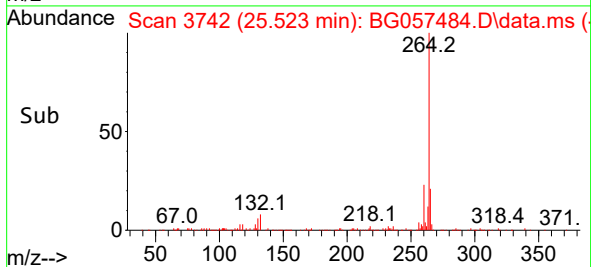
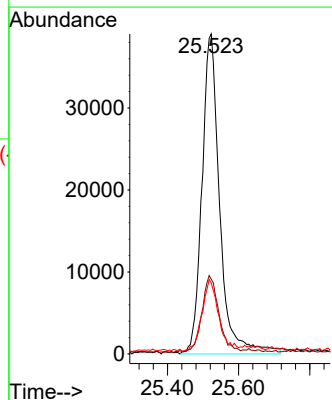
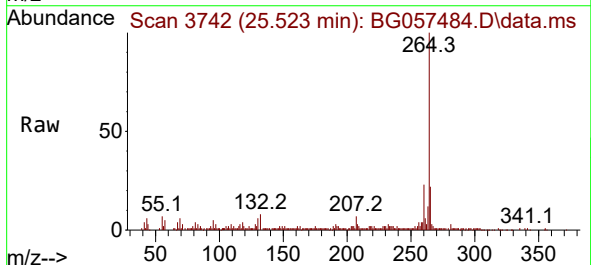
Instrument :
BNA_G
ClientSampleId :
SU-3-051723

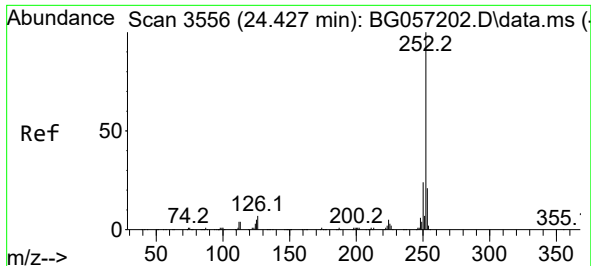
Tgt Ion:228 Resp: 30716
Ion Ratio Lower Upper
228 100
226 35.5 24.3 36.5
229 27.7 15.9 23.9#



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.523 min Scan# 3742
Delta R.T. 0.008 min
Lab File: BG057484.D
Acq: 20 May 2023 2:27

Tgt Ion:264 Resp: 135895
Ion Ratio Lower Upper
264 100
260 23.3 18.8 28.2
265 22.2 17.9 26.9

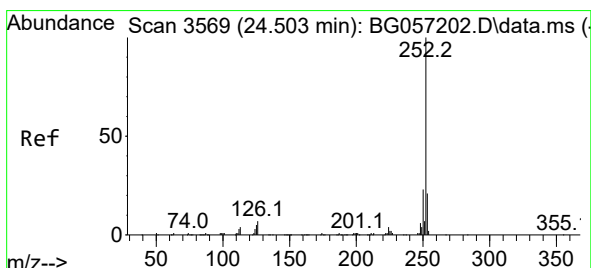
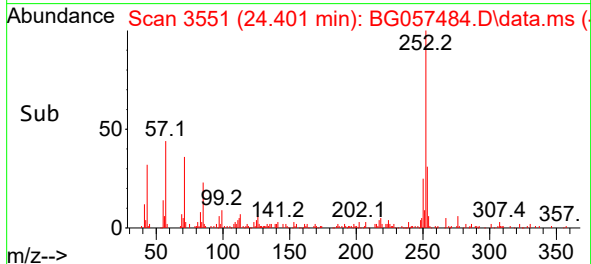
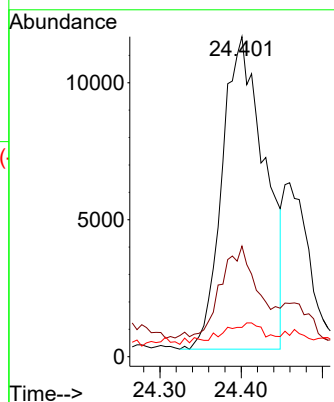
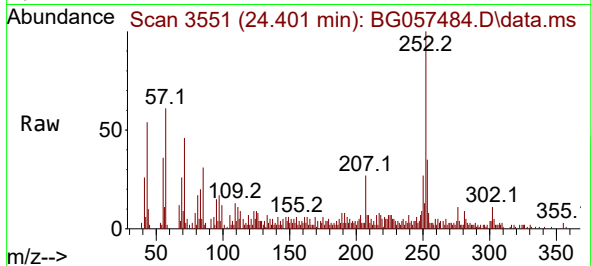




#88
Benzo(b)fluoranthene
Concen: 4.675 ng
RT: 24.401 min Scan# 3551
Delta R.T. 0.008 min
Lab File: BG057484.D
Acq: 20 May 2023 2:27

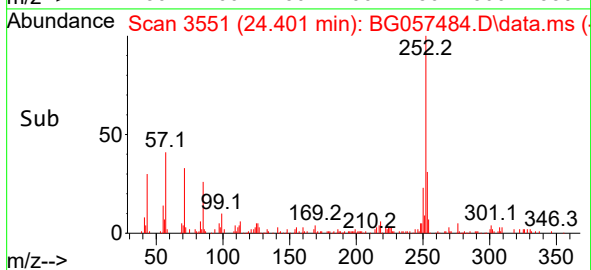
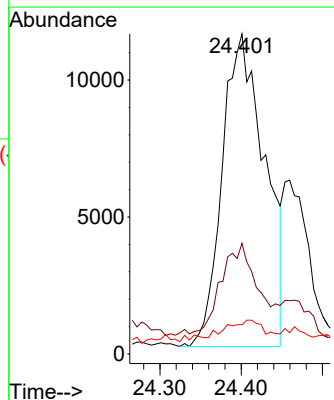
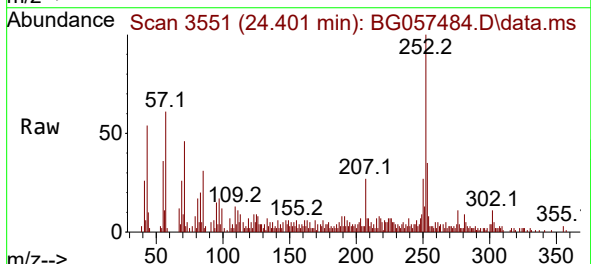
Instrument :
BNA_G
ClientSampleId :
SU-3-051723

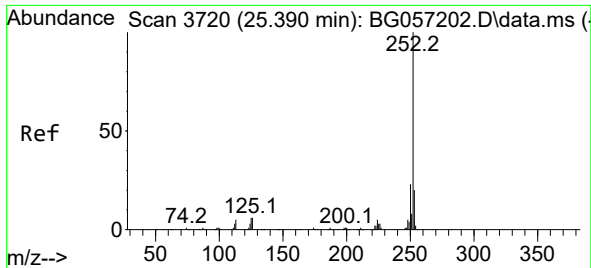
Tgt Ion:252 Resp: 41528
Ion Ratio Lower Upper
252 100
253 34.5 17.0 25.6#
125 9.1 4.2 6.2#



#89
Benzo(k)fluoranthene
Concen: 4.600 ng
RT: 24.401 min Scan# 3551
Delta R.T. -0.068 min
Lab File: BG057484.D
Acq: 20 May 2023 2:27

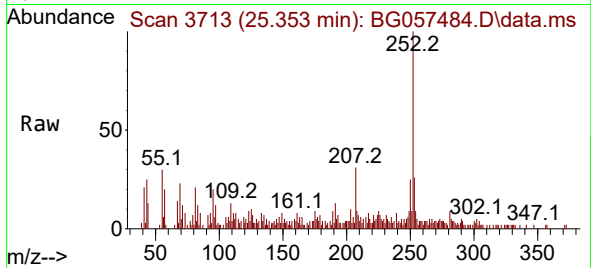
Tgt Ion:252 Resp: 41528
Ion Ratio Lower Upper
252 100
253 34.5 17.4 26.0#
125 9.1 4.1 6.1#





#90
 Benzo(a)pyrene
 Concen: 3.228 ng
 RT: 25.353 min Scan# 31
 Delta R.T. -0.004 min
 Lab File: BG057484.D
 Acq: 20 May 2023 2:27

Instrument :
 BNA_G
 ClientSampleId :
 SU-3-051723



Tgt Ion:252 Resp: 28017
 Ion Ratio Lower Upper
 252 100
 253 26.3 16.3 24.5#
 125 9.5 5.0 7.4#

