

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
 Data File : BG057510.D
 Acq On : 23 May 2023 2:13
 Operator : CG/JU
 Sample : 02847-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-051823

Quant Time: May 23 04:09:56 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)

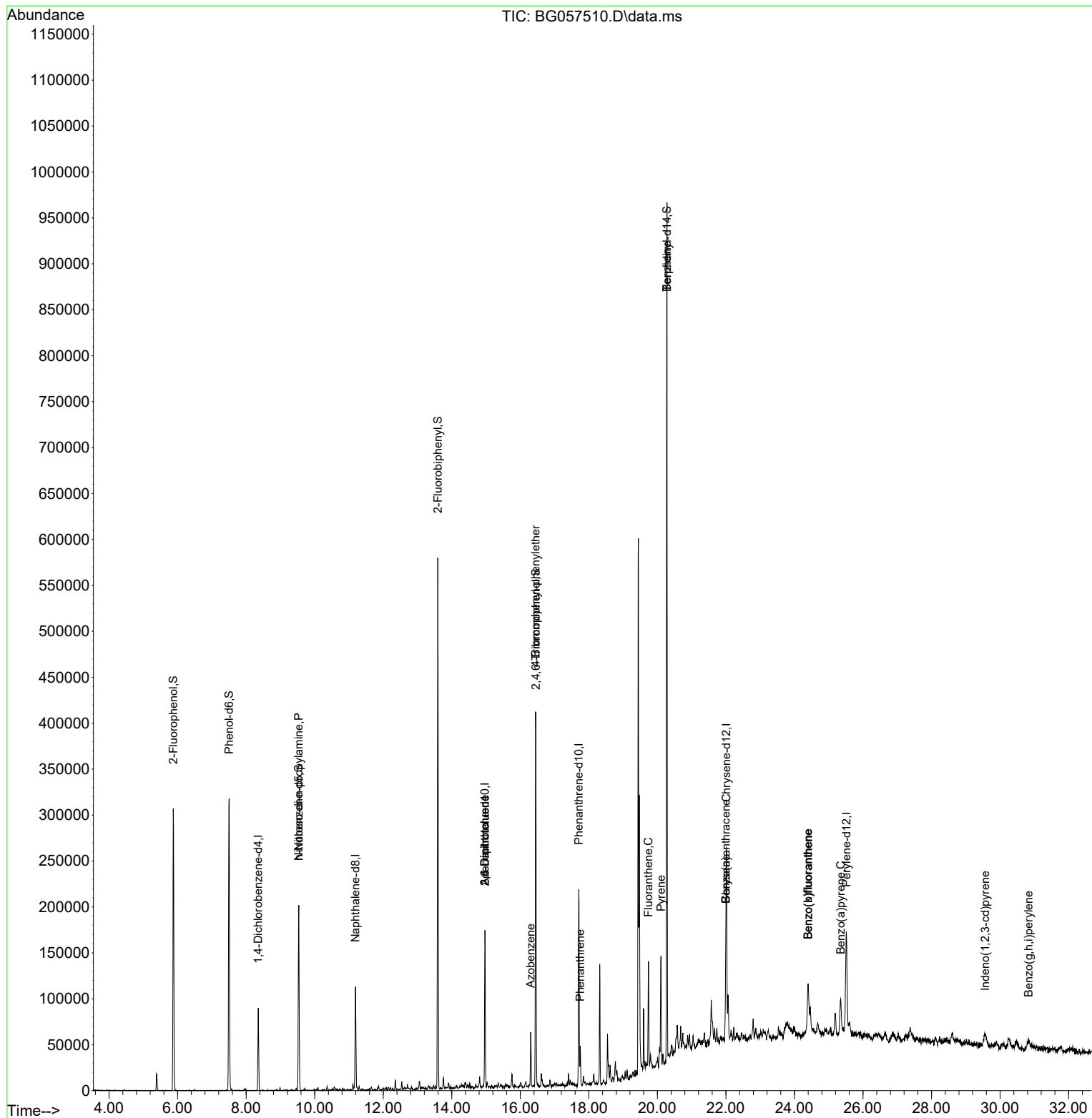
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.354	152	25278	20.000	ng	0.00
21) Naphthalene-d8	11.191	136	94917	20.000	ng	0.00
39) Acenaphthene-d10	14.969	164	61674	20.000	ng	0.00
64) Phenanthrene-d10	17.706	188	140594	20.000	ng	0.00
76) Chrysene-d12	22.012	240	126734	20.000	ng	0.00
86) Perylene-d12	25.513	264	139124	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.875	112	138891	93.990	ng	0.00
7) Phenol-d6	7.502	99	201626	89.852	ng	0.00
23) Nitrobenzene-d5	9.535	82	131210	58.019	ng	0.00
42) 2,4,6-Tribromophenol	16.455	330	85336	97.517	ng	0.00
45) 2-Fluorobiphenyl	13.594	172	309499	67.586	ng	0.00
79) Terphenyl-d14	20.279	244	484589	62.399	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.496	77	438	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	9.535	70	18814	10.995	ng	# 78
51) 2,6-Dinitrotoluene	14.969	165	8676	8.384	ng	# 17
57) 2,4-Dinitrotoluene	14.969	165	8676	5.867	ng	# 20
63) Azobenzene	16.302	77	17618	3.548	ng	# 1
67) 4-Bromophenyl-phenylether	16.449	248	5946	3.464	ng	# 1
71) Phenanthrene	17.747	178	25094	3.483	ng	94
75) Fluoranthene	19.739	202	75964	8.478	ng	99
77) Benzidine	20.279	184	7413	2.616	ng	# 90
78) Pyrene	20.103	202	73100	7.938	ng	97
81) Benzo(a)anthracene	21.994	228	42454	4.702	ng	93
83) Chrysene	21.994	228	42454	4.997	ng	97
87) Indeno(1,2,3-cd)pyrene	29.567	276	27418	2.704	ng	# 56
88) Benzo(b)fluoranthene	24.397	252	60991	6.706	ng	# 92
89) Benzo(k)fluoranthene	24.397	252	60991	6.600	ng	# 93
90) Benzo(a)pyrene	25.349	252	45244	5.092	ng	93
92) Benzo(g,h,i)perylene	30.830	276	27012	3.276	ng	# 89

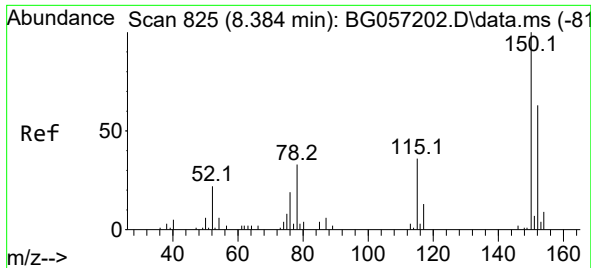
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
Data File : BG057510.D
Acq On : 23 May 2023 2:13
Operator : CG/JU
Sample : 02847-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TR-04-051823

Quant Time: May 23 04:09:56 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

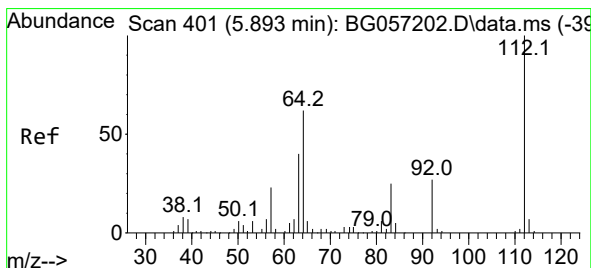
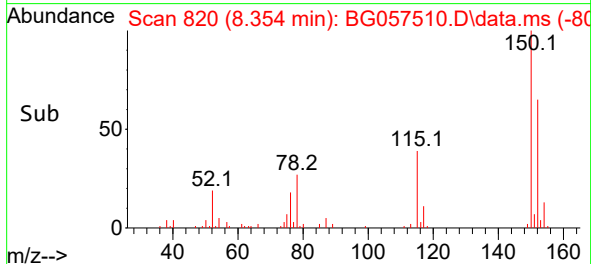
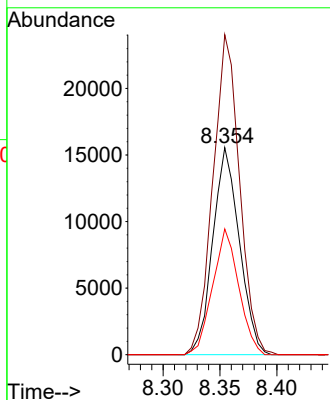
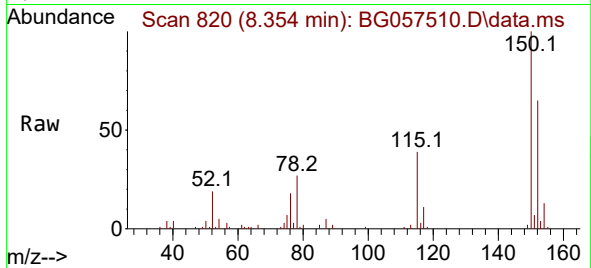




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.354 min Scan# 81
Delta R.T. -0.008 min
Lab File: BG057510.D
Acq: 23 May 2023 2:13

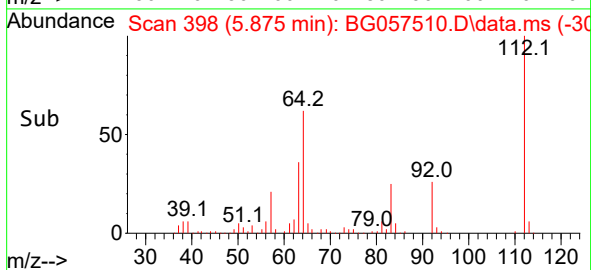
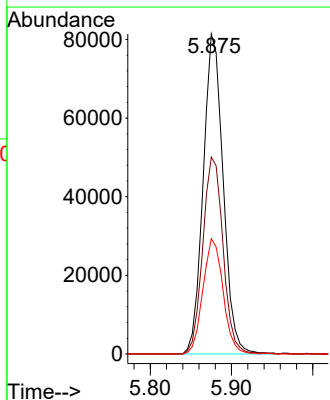
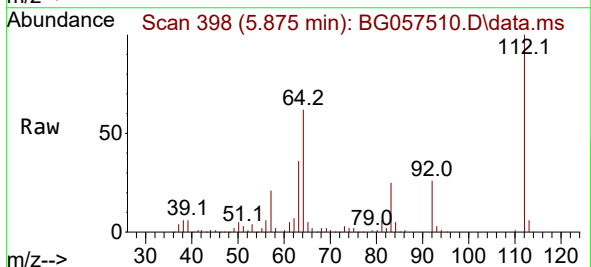
Instrument :
BNA_G
ClientSampleId :
TR-04-051823

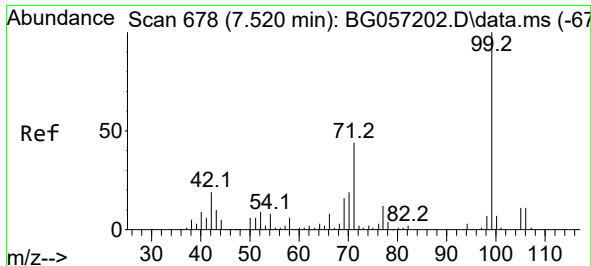
Tgt Ion:152 Resp: 25278
Ion Ratio Lower Upper
152 100
150 154.5 126.2 189.4
115 60.7 45.0 67.4



#5
2-Fluorophenol
Concen: 93.990 ng
RT: 5.875 min Scan# 398
Delta R.T. 0.004 min
Lab File: BG057510.D
Acq: 23 May 2023 2:13

Tgt Ion:112 Resp: 138891
Ion Ratio Lower Upper
112 100
64 61.5 49.4 74.2
63 36.0 31.6 47.4

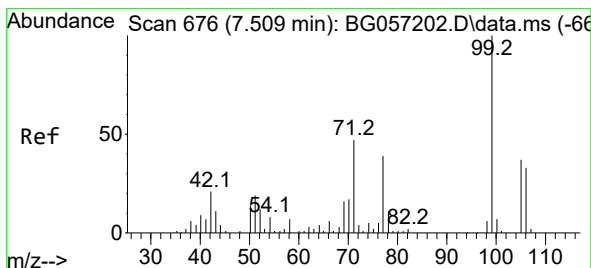
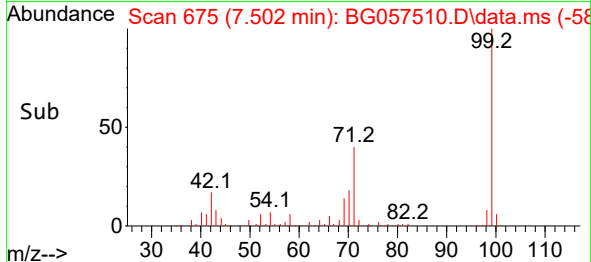
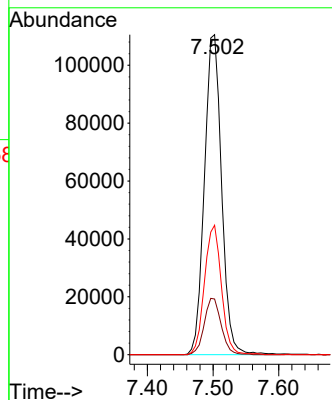
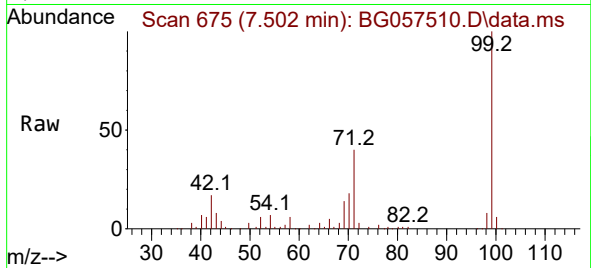




#7
Phenol-d6
Concen: 89.852 ng
RT: 7.502 min Scan# 61
Delta R.T. 0.004 min
Lab File: BG057510.D
Acq: 23 May 2023 2:13

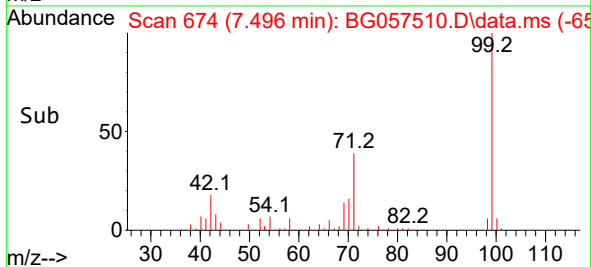
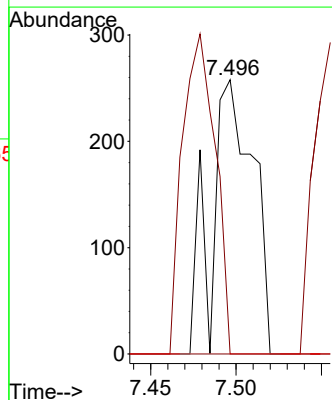
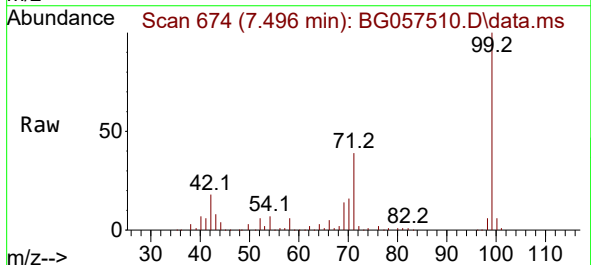
Instrument :
BNA_G
ClientSampleId :
TR-04-051823

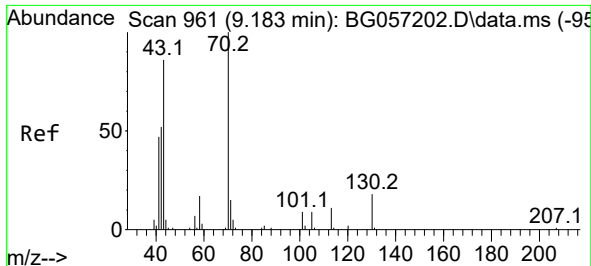
Tgt Ion: 99 Resp: 201626
Ion Ratio Lower Upper
99 100
42 17.4 15.1 22.7
71 40.5 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.496 min Scan# 674
Delta R.T. 0.010 min
Lab File: BG057510.D
Acq: 23 May 2023 2:13

Tgt Ion: 77 Resp: 438
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#

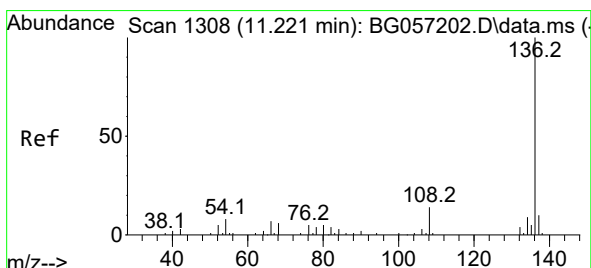
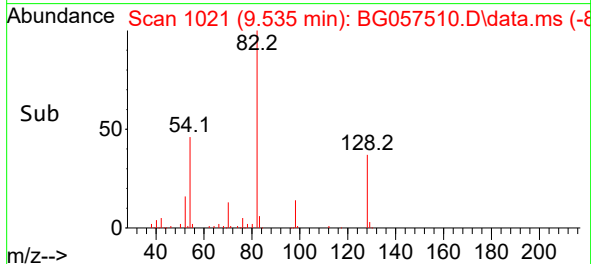
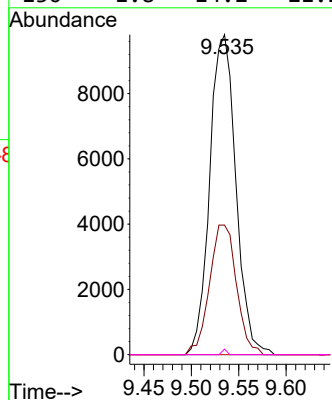
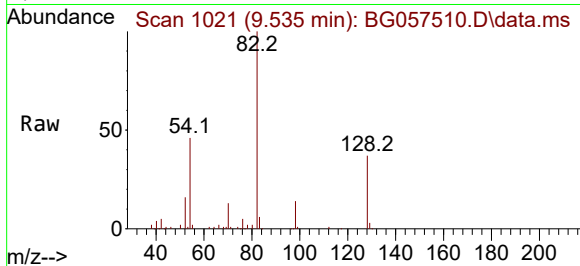




#19
n-Nitroso-di-n-propylamine
Concen: 10.995 ng
RT: 9.535 min Scan# 1021
Delta R.T. 0.374 min
Lab File: BG057510.D
Acq: 23 May 2023 2:13

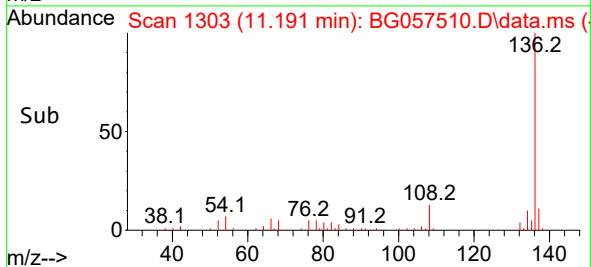
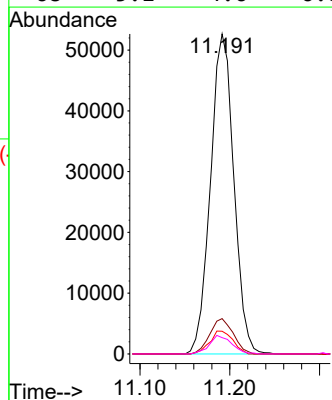
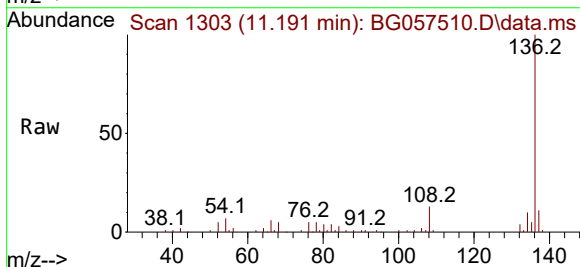
Instrument :
BNA_G
ClientSampleId :
TR-04-051823

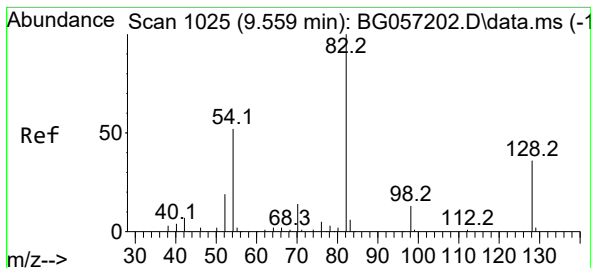
Tgt Ion:	70	Resp:	18814
Ion	Ratio	Lower	Upper
70	100		
42	40.5	41.8	62.8#
101	0.0	6.8	10.2#
130	1.8	14.2	21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.191 min Scan# 1303
Delta R.T. -0.008 min
Lab File: BG057510.D
Acq: 23 May 2023 2:13

Tgt Ion:	136	Resp:	94917
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.3	12.5
54	7.1	6.7	10.1
68	5.1	4.6	6.8





#23

Nitrobenzene-d5

Concen: 58.019 ng

RT: 9.535 min Scan# 1021

Delta R.T. -0.002 min

Lab File: BG057510.D

Acq: 23 May 2023 2:13

Instrument :

BNA_G

ClientSampleId :

TR-04-051823

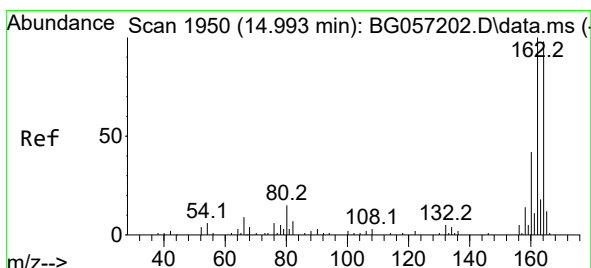
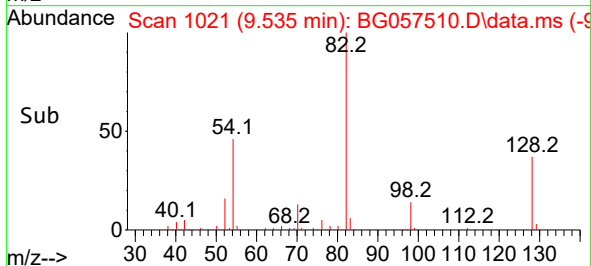
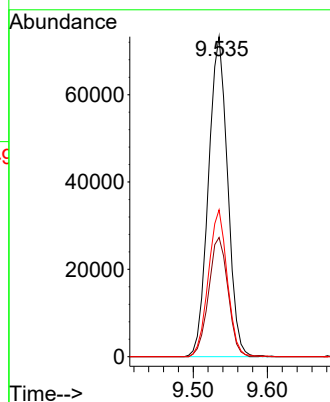
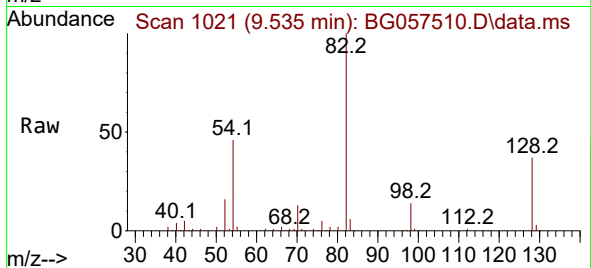
Tgt Ion: 82 Resp: 131210

Ion Ratio Lower Upper

82 100

128 37.3 29.0 43.4

54 45.9 41.4 62.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.969 min Scan# 1946

Delta R.T. -0.008 min

Lab File: BG057510.D

Acq: 23 May 2023 2:13

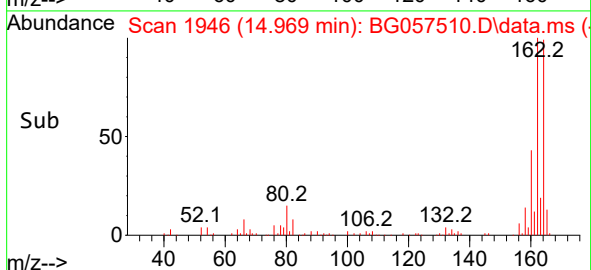
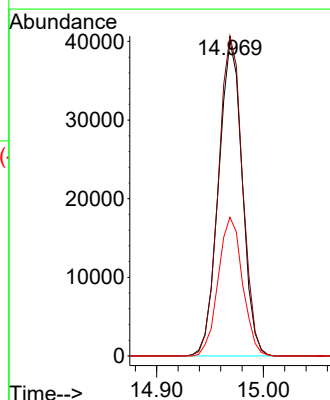
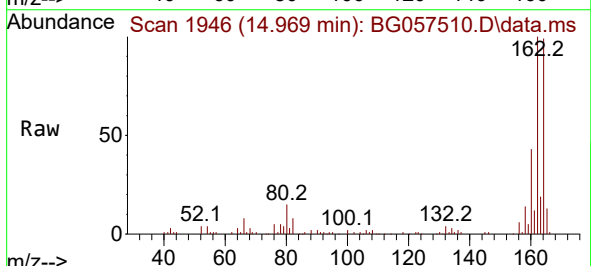
Tgt Ion:164 Resp: 61674

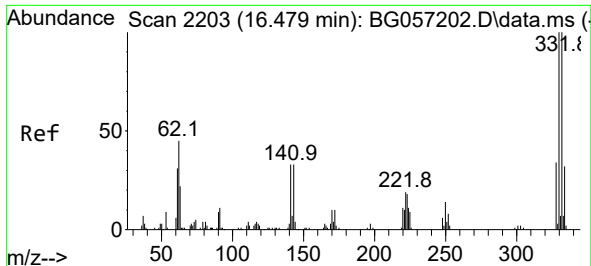
Ion Ratio Lower Upper

164 100

162 101.4 81.8 122.6

160 44.0 34.6 52.0





#42

2,4,6-Tribromophenol

Concen: 97.517 ng

RT: 16.455 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG057510.D

Acq: 23 May 2023 2:13

Instrument :

BNA_G

ClientSampleId :

TR-04-051823

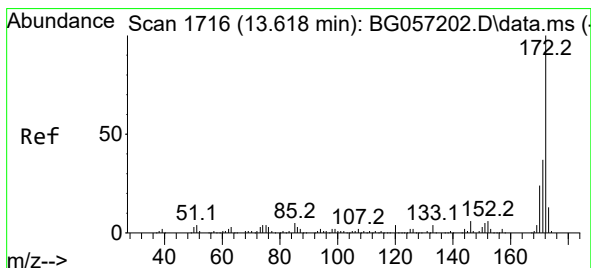
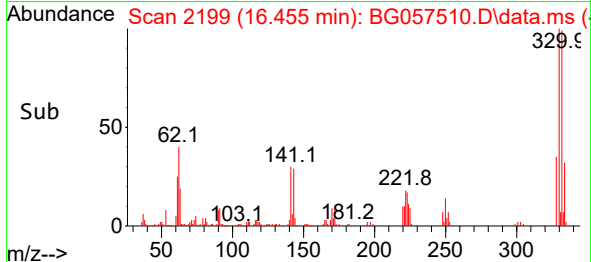
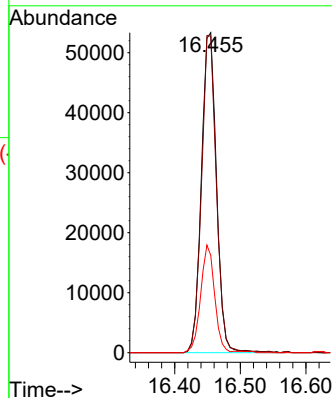
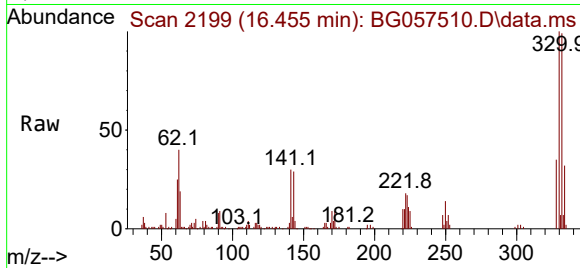
Tgt Ion:330 Resp: 85336

Ion Ratio Lower Upper

330 100

332 97.6 78.2 117.2

141 31.3 27.8 41.8



#45

2-Fluorobiphenyl

Concen: 67.586 ng

RT: 13.594 min Scan# 1712

Delta R.T. -0.007 min

Lab File: BG057510.D

Acq: 23 May 2023 2:13

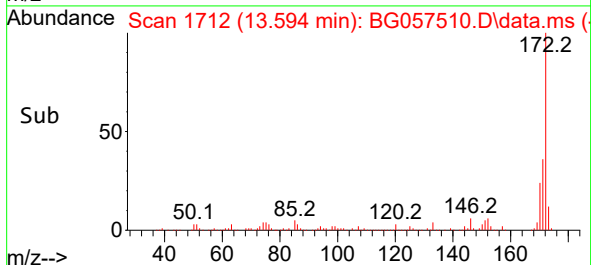
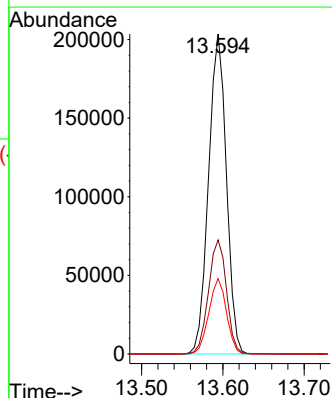
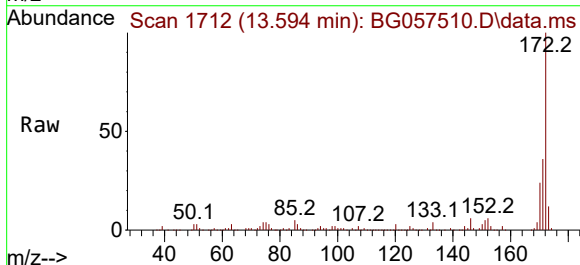
Tgt Ion:172 Resp: 309499

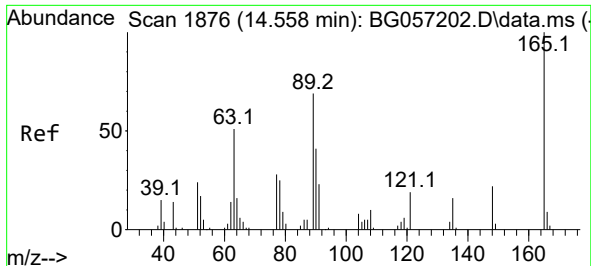
Ion Ratio Lower Upper

172 100

171 35.7 29.4 44.0

170 23.6 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 8.384 ng

RT: 14.969 min Scan# 1946

Delta R.T. 0.427 min

Lab File: BG057510.D

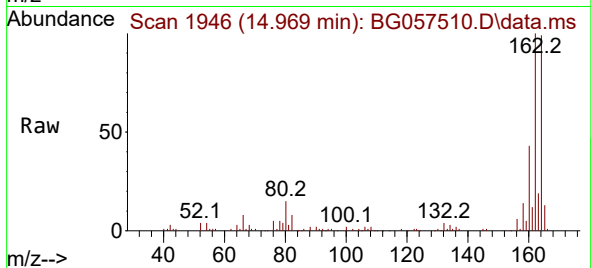
Acq: 23 May 2023 2:13

Instrument :

BNA_G

ClientSampleId :

TR-04-051823



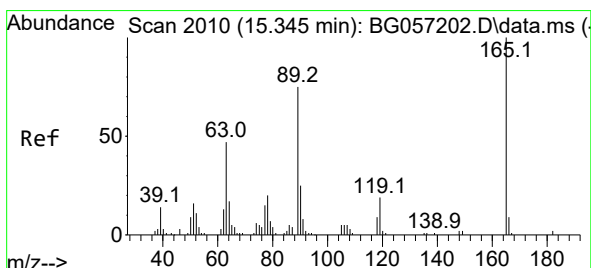
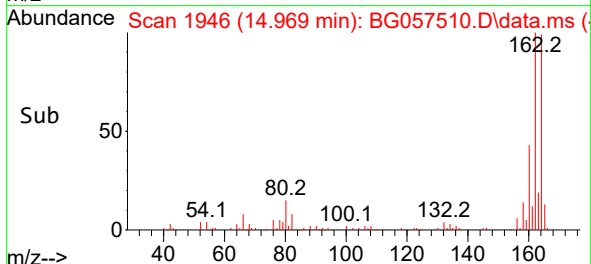
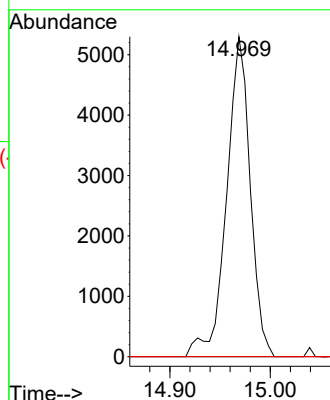
Tgt Ion:165 Resp: 8676

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: 5.867 ng

RT: 14.969 min Scan# 1946

Delta R.T. -0.360 min

Lab File: BG057510.D

Acq: 23 May 2023 2:13

Tgt Ion:165 Resp: 8676

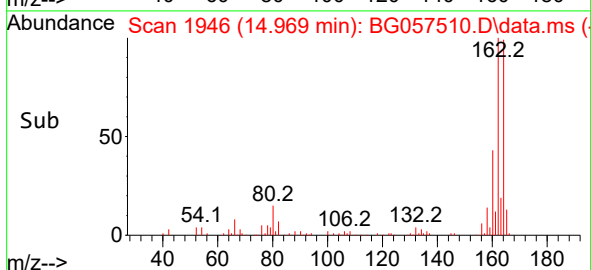
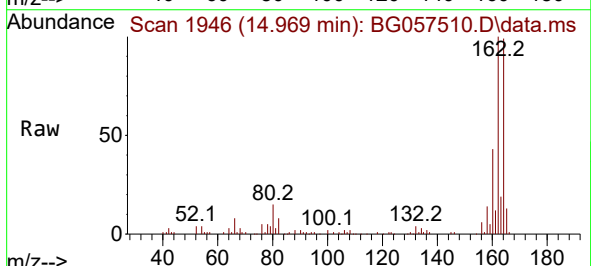
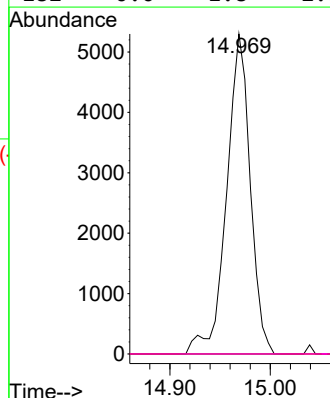
Ion Ratio Lower Upper

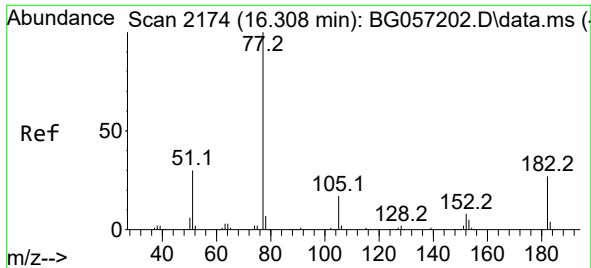
165 100

63 0.0 37.5 56.3#

89 0.0 60.2 90.4#

182 0.0 1.8 2.8#

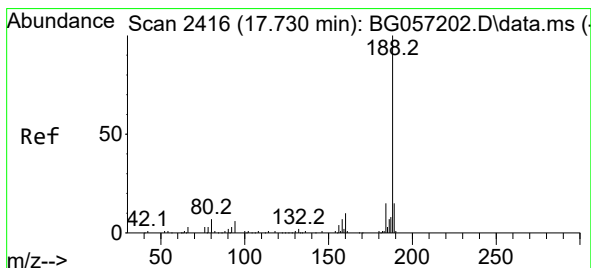
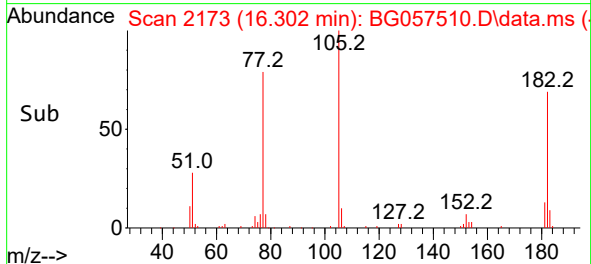
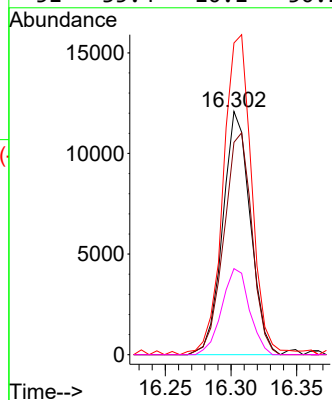
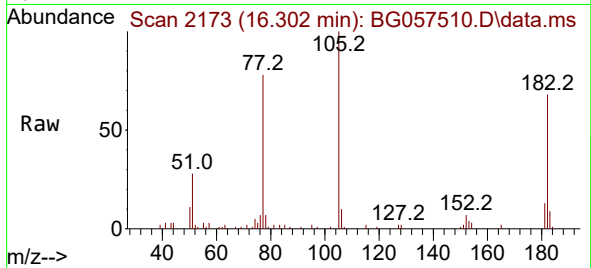




#63
 Azobenzene
 Concen: 3.548 ng
 RT: 16.302 min Scan# 2173
 Delta R.T. 0.016 min
 Lab File: BG057510.D
 Acq: 23 May 2023 2:13

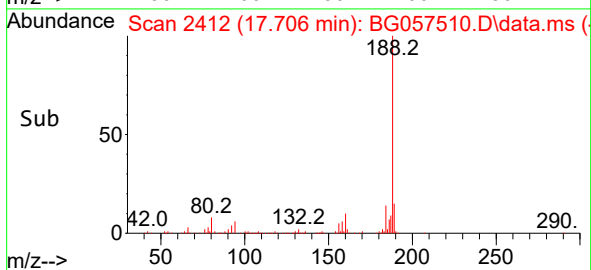
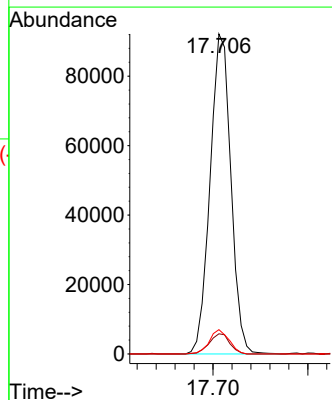
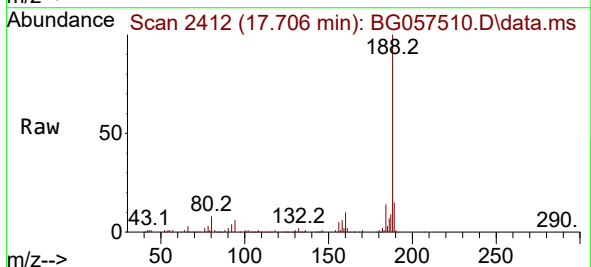
Instrument :
 BNA_G
 ClientSampleId :
 TR-04-051823

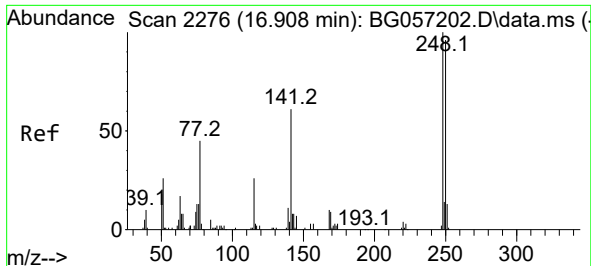
Tgt Ion: 77	Resp: 17618
Ion Ratio	Lower Upper
77 100	
182 87.3	7.4 47.4#
105 128.2	0.0 37.2#
51 35.4	10.1 50.1



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.706 min Scan# 2412
 Delta R.T. -0.007 min
 Lab File: BG057510.D
 Acq: 23 May 2023 2:13

Tgt Ion: 188	Resp: 140594
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: 3.464 ng
RT: 16.449 min Scan# 2198
Delta R.T. -0.436 min
Lab File: BG057510.D
Acq: 23 May 2023 2:13

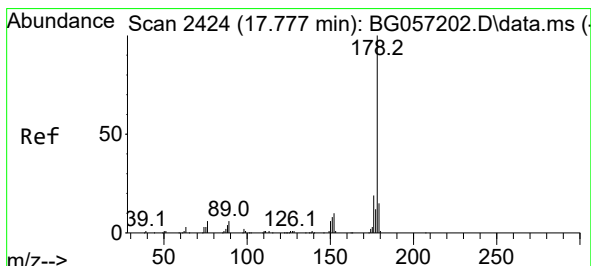
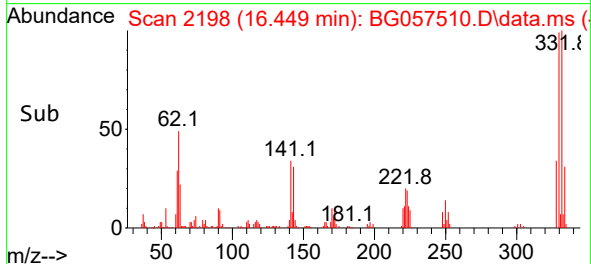
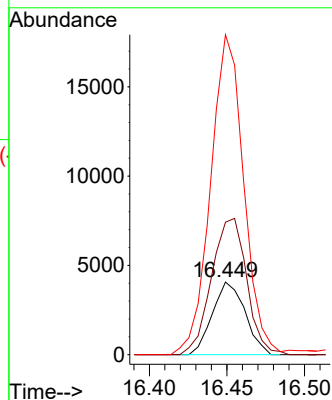
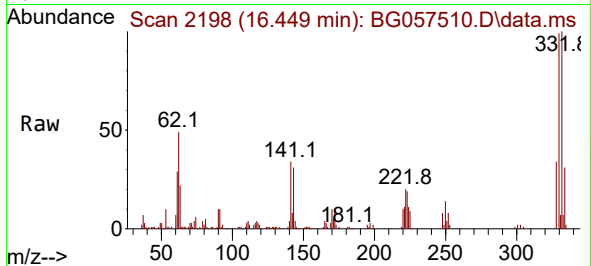
Instrument :

BNA_G

ClientSampleId :

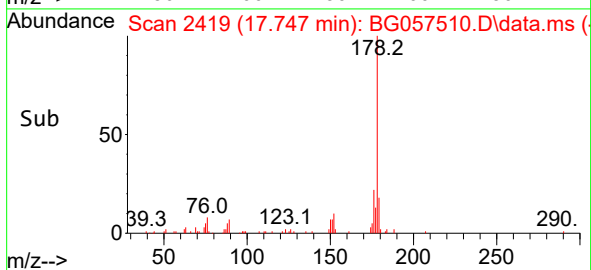
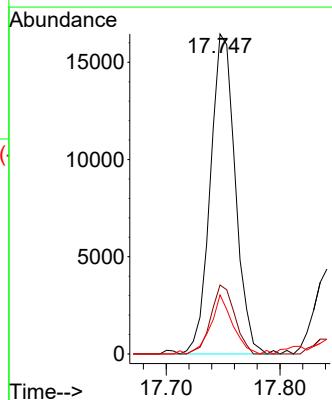
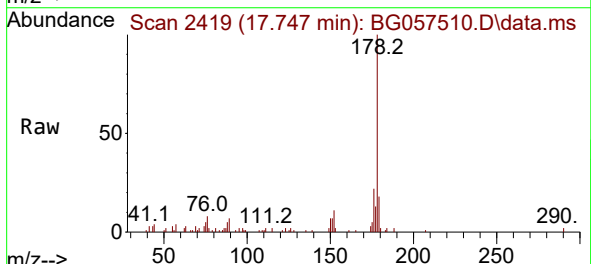
TR-04-051823

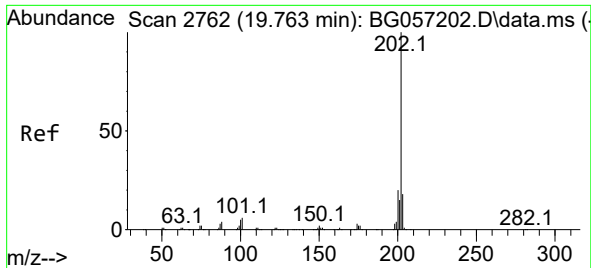
Tgt Ion:248 Resp: 5946
Ion Ratio Lower Upper
248 100
250 182.3 77.0 115.6#
141 440.2 48.6 72.8#



#71
Phenanthrene
Concen: 3.483 ng
RT: 17.747 min Scan# 2419
Delta R.T. -0.007 min
Lab File: BG057510.D
Acq: 23 May 2023 2:13

Tgt Ion:178 Resp: 25094
Ion Ratio Lower Upper
178 100
176 21.5 15.4 23.2
179 18.4 12.3 18.5

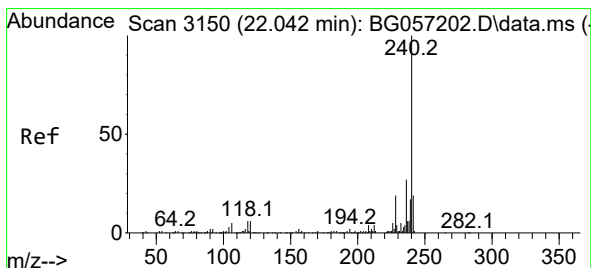
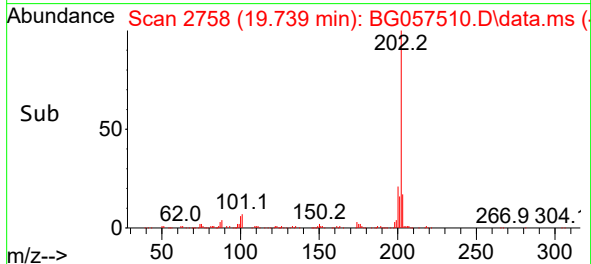
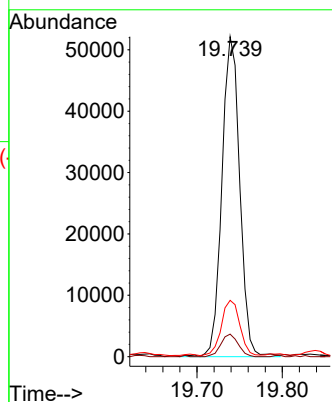
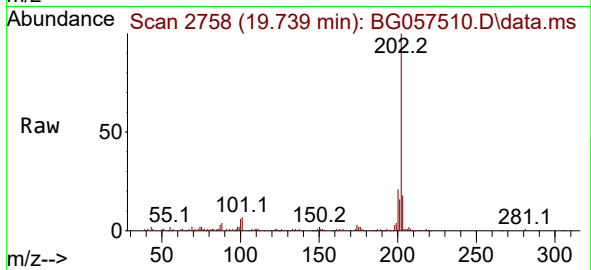




#75
Fluoranthene
Concen: 8.478 ng
RT: 19.739 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG057510.D
Acq: 23 May 2023 2:13

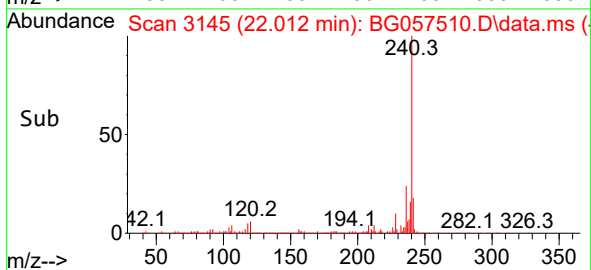
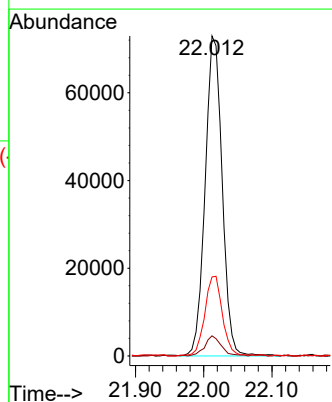
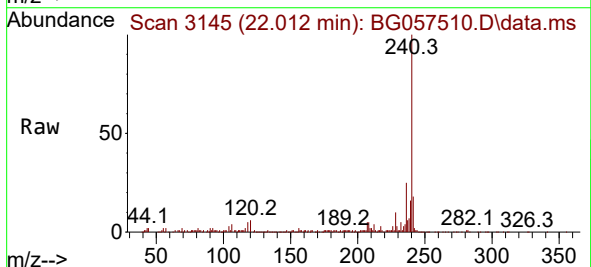
Instrument :
BNA_G
ClientSampleId :
TR-04-051823

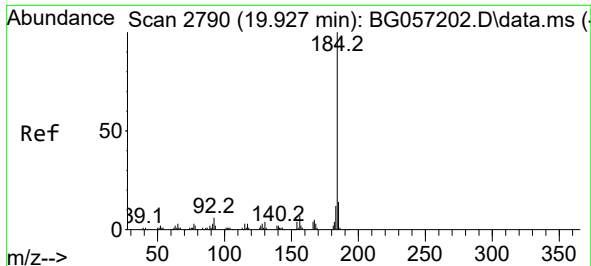
Tgt Ion:202 Resp: 75964
Ion Ratio Lower Upper
202 100
101 7.1 0.0 26.2
203 17.6 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.012 min Scan# 3145
Delta R.T. -0.007 min
Lab File: BG057510.D
Acq: 23 May 2023 2:13

Tgt Ion:240 Resp: 126734
Ion Ratio Lower Upper
240 100
120 6.3 4.9 7.3
236 24.7 21.4 32.2

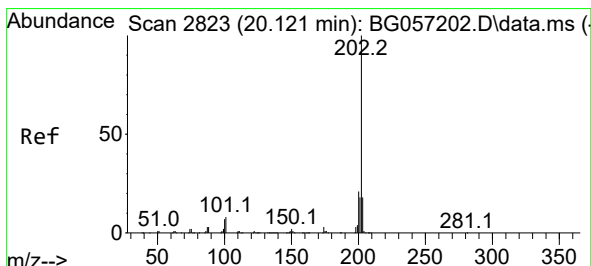
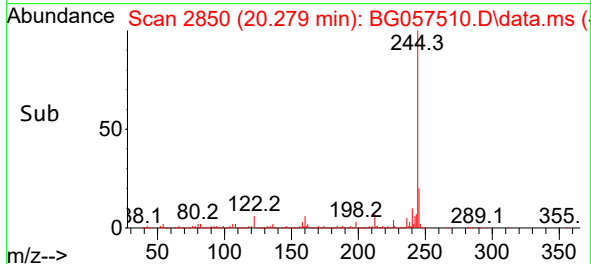
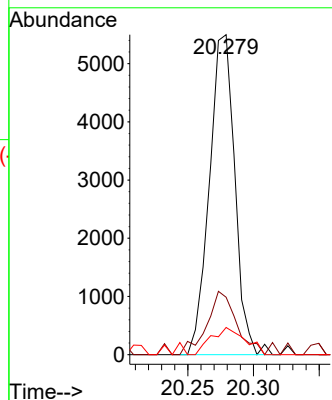
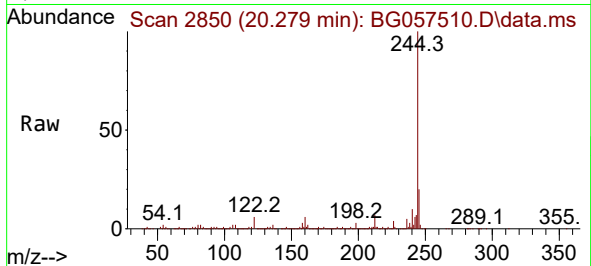




#77
Benzidine
Concen: 2.616 ng
RT: 20.279 min Scan# 21
Delta R.T. 0.368 min
Lab File: BG057510.D
Acq: 23 May 2023 2:13

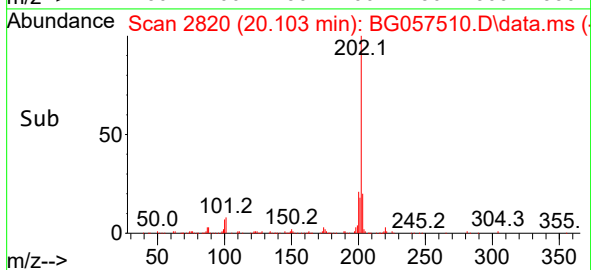
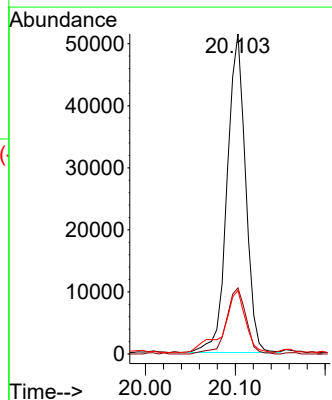
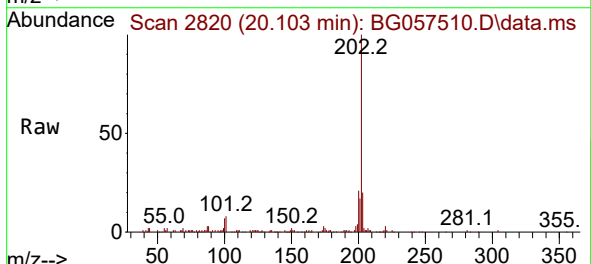
Instrument :
BNA_G
ClientSampleId :
TR-04-051823

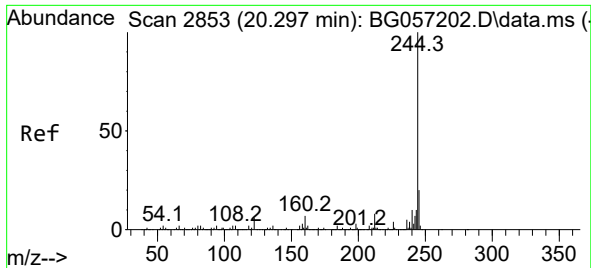
Tgt Ion:184 Resp: 7413
Ion Ratio Lower Upper
184 100
185 17.9 11.1 16.7#
183 8.5 9.9 14.9#



#78
Pyrene
Concen: 7.938 ng
RT: 20.103 min Scan# 2820
Delta R.T. -0.002 min
Lab File: BG057510.D
Acq: 23 May 2023 2:13

Tgt Ion:202 Resp: 73100
Ion Ratio Lower Upper
202 100
200 20.6 17.0 25.4
203 19.9 14.2 21.4

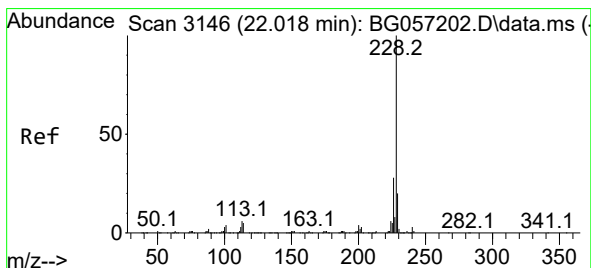
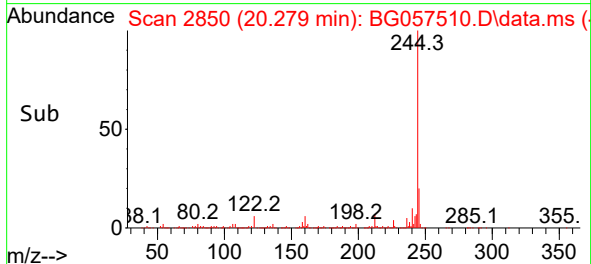
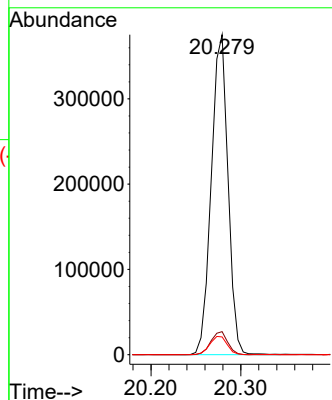
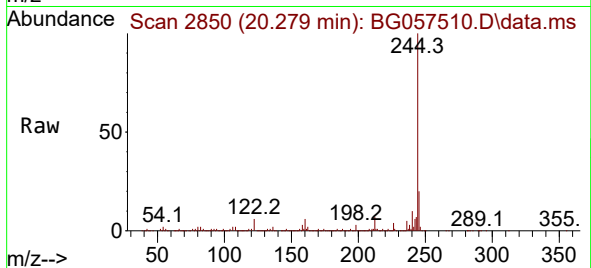




#79
 Terphenyl-d14
 Concen: 62.399 ng
 RT: 20.279 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG057510.D
 Acq: 23 May 2023 2:13

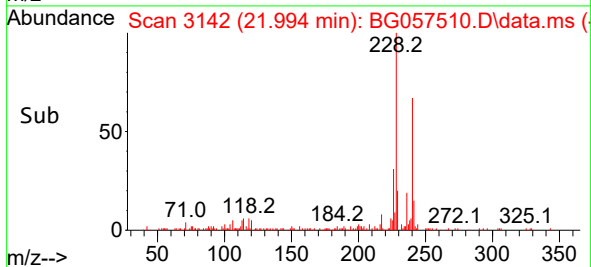
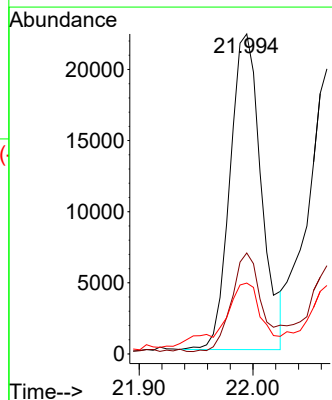
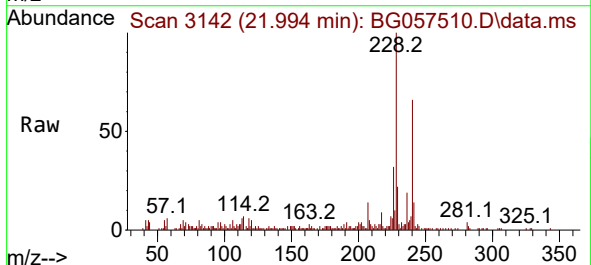
Instrument :
 BNA_G
 ClientSampleId :
 TR-04-051823

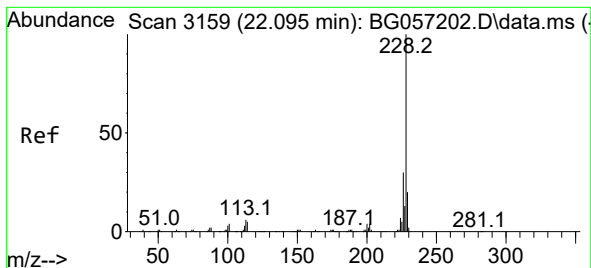
Tgt Ion:244 Resp: 484589
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 5.6 5.1 7.7



#81
 Benzo(a)anthracene
 Concen: 4.702 ng
 RT: 21.994 min Scan# 3142
 Delta R.T. -0.002 min
 Lab File: BG057510.D
 Acq: 23 May 2023 2:13

Tgt Ion:228 Resp: 42454
 Ion Ratio Lower Upper
 228 100
 226 31.5 22.0 33.0
 229 22.1 15.8 23.8





#83

Chrysene

Concen: 4.997 ng

RT: 21.994 min Scan# 3159

Delta R.T. -0.078 min

Lab File: BG057510.D

Acq: 23 May 2023 2:13

Instrument :

BNA_G

ClientSampleId :

TR-04-051823

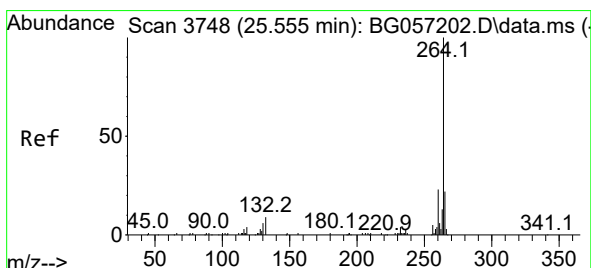
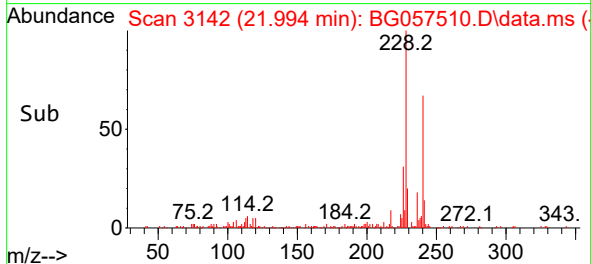
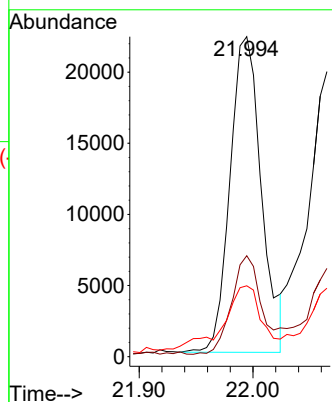
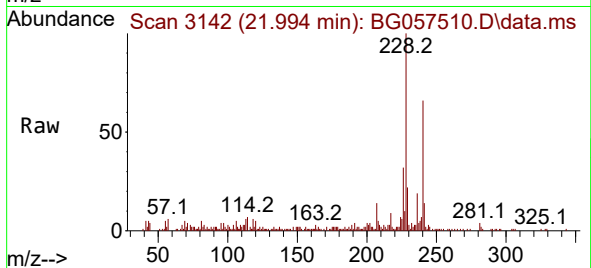
Tgt Ion:228 Resp: 42454

Ion Ratio Lower Upper

228 100

226 31.5 24.3 36.5

229 22.1 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.513 min Scan# 3741

Delta R.T. -0.002 min

Lab File: BG057510.D

Acq: 23 May 2023 2:13

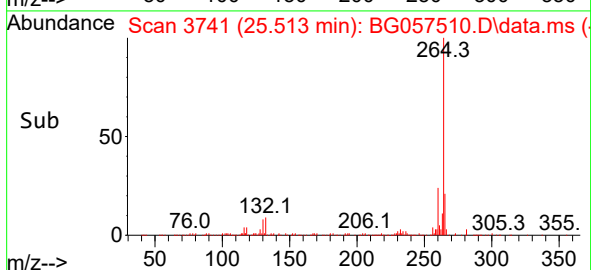
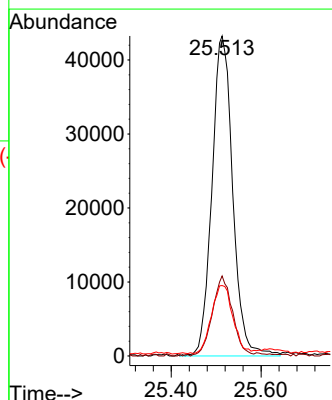
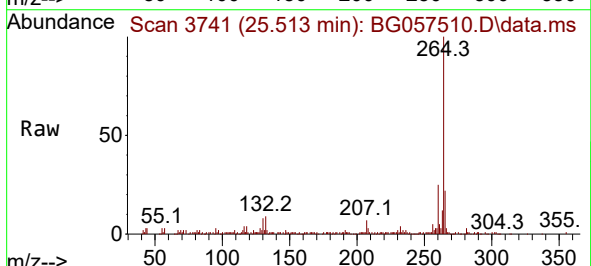
Tgt Ion:264 Resp: 139124

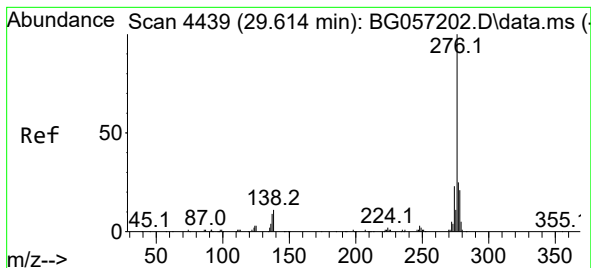
Ion Ratio Lower Upper

264 100

260 25.0 18.8 28.2

265 22.0 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.704 ng

RT: 29.567 min Scan# 4431

Delta R.T. 0.004 min

Lab File: BG057510.D

Acq: 23 May 2023 2:13

Instrument :

BNA_G

ClientSampleId :

TR-04-051823

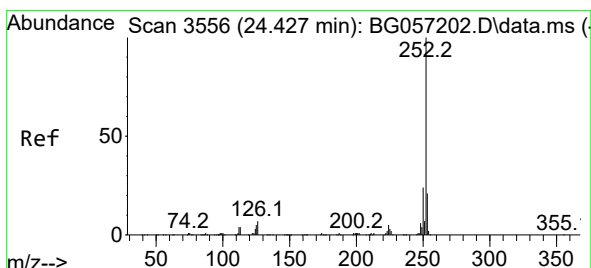
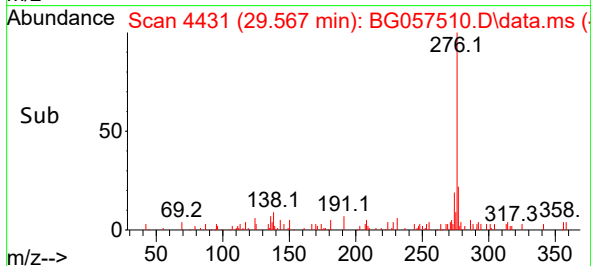
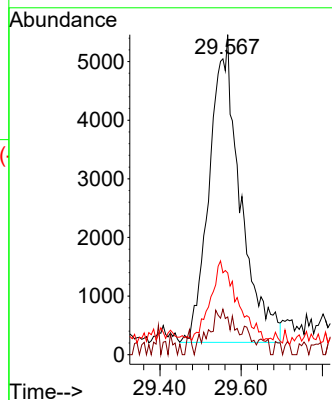
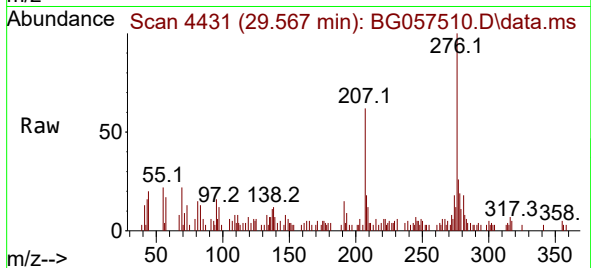
Tgt Ion:276 Resp: 27418

Ion Ratio Lower Upper

276 100

138 0.0 5.4 8.0#

277 0.0 20.6 30.8#



#88

Benzo(b)fluoranthene

Concen: 6.706 ng

RT: 24.397 min Scan# 3551

Delta R.T. 0.004 min

Lab File: BG057510.D

Acq: 23 May 2023 2:13

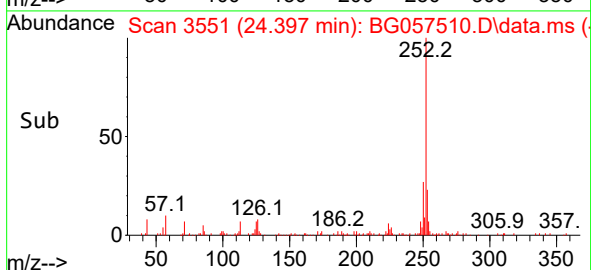
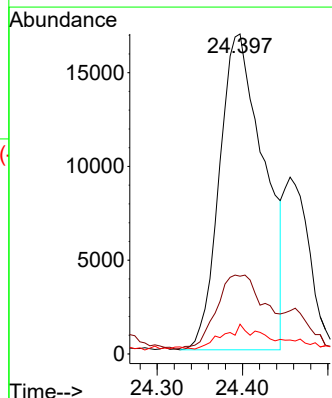
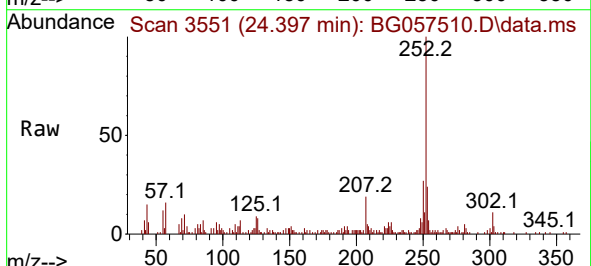
Tgt Ion:252 Resp: 60991

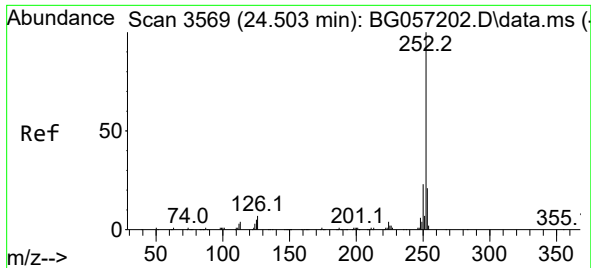
Ion Ratio Lower Upper

252 100

253 24.3 17.0 25.6

125 9.3 4.2 6.2#

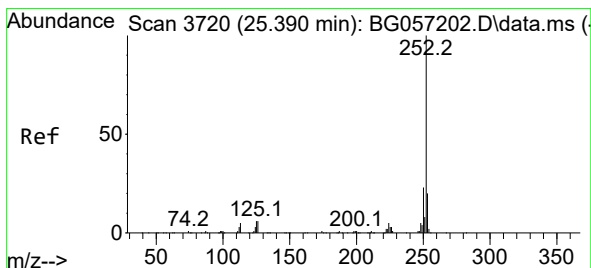
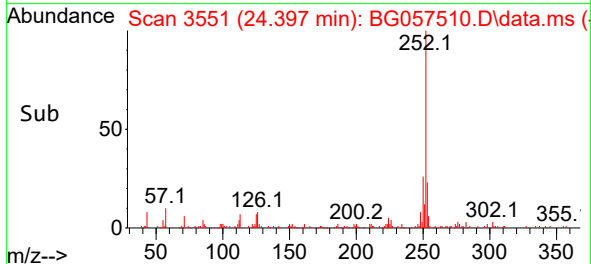
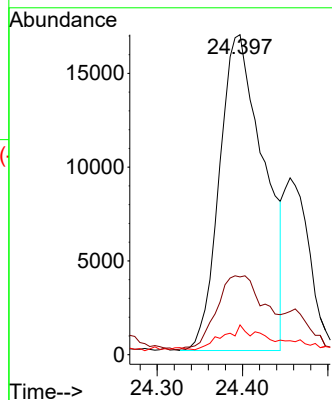
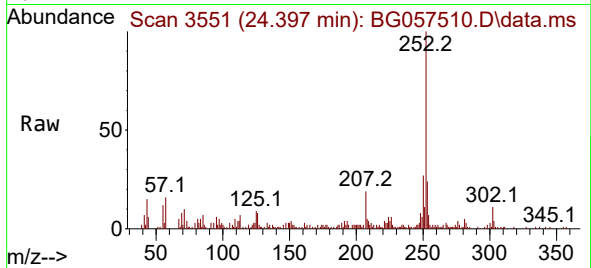




#89
Benzo(k)fluoranthene
Concen: 6.600 ng
RT: 24.397 min Scan# 311
Delta R.T. -0.072 min
Lab File: BG057510.D
Acq: 23 May 2023 2:13

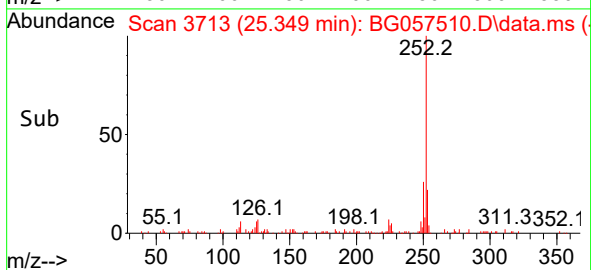
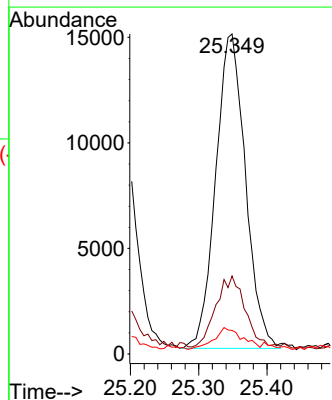
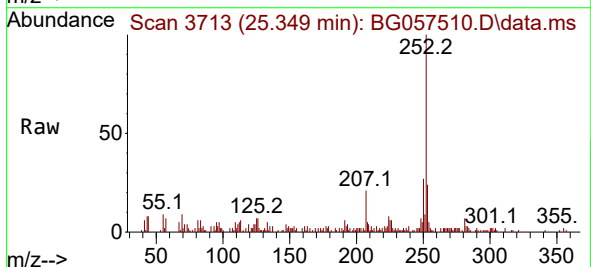
Instrument :
BNA_G
ClientSampleId :
TR-04-051823

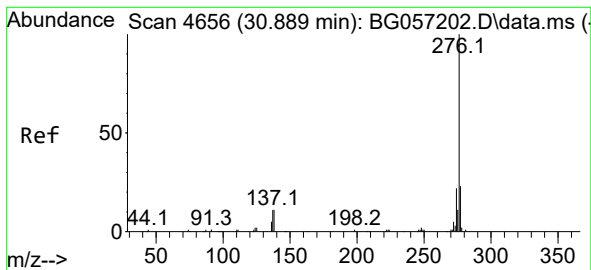
Tgt Ion:252 Resp: 60991
Ion Ratio Lower Upper
252 100
253 24.3 17.4 26.0
125 9.3 4.1 6.1#



#90
Benzo(a)pyrene
Concen: 5.092 ng
RT: 25.349 min Scan# 3713
Delta R.T. -0.008 min
Lab File: BG057510.D
Acq: 23 May 2023 2:13

Tgt Ion:252 Resp: 45244
Ion Ratio Lower Upper
252 100
253 24.4 16.3 24.5
125 7.4 5.0 7.4





#92

Benzo(g,h,i)perylene

Concen: 3.276 ng

RT: 30.830 min Scan# 4

Delta R.T. -0.008 min

Lab File: BG057510.D

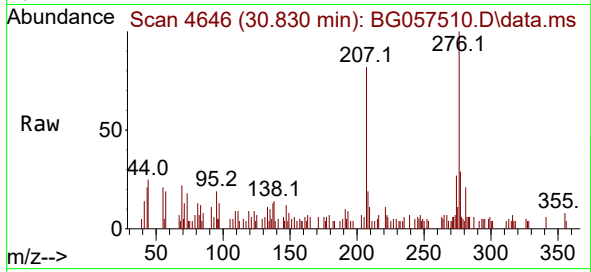
Acq: 23 May 2023 2:13

Instrument :

BNA_G

ClientSampleId :

TR-04-051823



Tgt Ion:276 Resp: 27012

Ion Ratio Lower Upper

276 100

277 28.9 18.4 27.6#

138 14.2 9.0 13.4#

