

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
 Data File : BG057523.D
 Acq On : 23 May 2023 17:19
 Operator : CG/JU
 Sample : 02891-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 290-328

Quant Time: May 24 04:34:23 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)

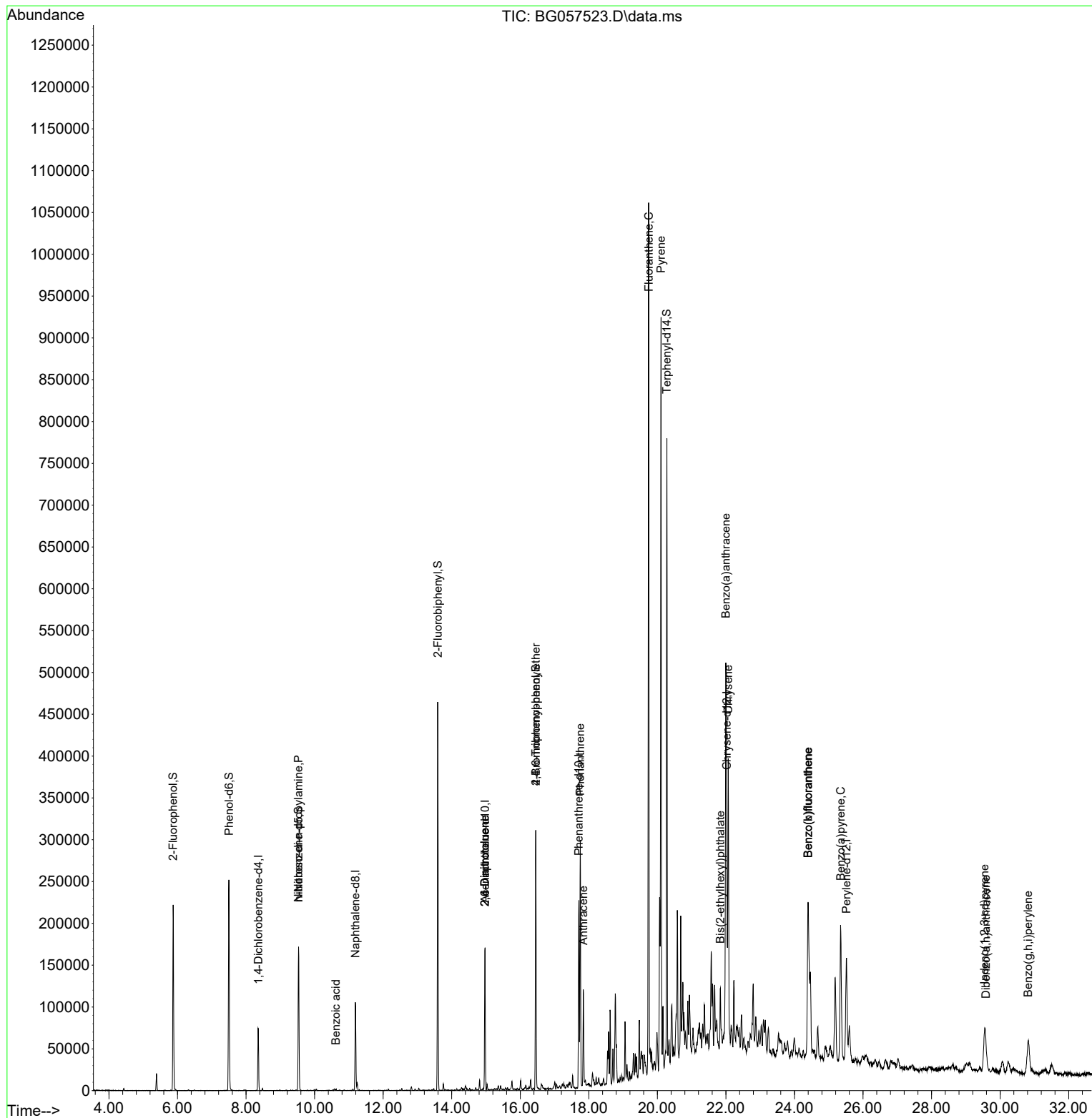
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.357	152	22534	20.000	ng	0.00
21) Naphthalene-d8	11.188	136	88418	20.000	ng	-0.01
39) Acenaphthene-d10	14.971	164	62327	20.000	ng	0.00
64) Phenanthrene-d10	17.709	188	147333	20.000	ng	0.00
76) Chrysene-d12	22.021	240	134475	20.000	ng	0.00
86) Perylene-d12	25.516	264	148150	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.872	112	100517	76.305	ng	0.00
7) Phenol-d6	7.499	99	156771	78.371	ng	0.00
23) Nitrobenzene-d5	9.532	82	112709	53.501	ng	0.00
42) 2,4,6-Tribromophenol	16.452	330	63596	71.912	ng	0.00
45) 2-Fluorobiphenyl	13.591	172	244101	52.747	ng	-0.01
79) Terphenyl-d14	20.276	244	352405	42.766	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.499	77	414	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	9.532	70	15116	9.910	ng	# 78
32) Benzoic acid	10.619	122	69	4.793	ng	# 33
51) 2,6-Dinitrotoluene	14.966	165	8445	8.076	ng	# 17
57) 2,4-Dinitrotoluene	14.966	165	8445	5.651	ng	# 20
67) 4-Bromophenyl-phenylether	16.452	248	4431	2.464	ng	# 1
71) Phenanthrene	17.750	178	194080	25.707	ng	99
72) Anthracene	17.838	178	78776	10.169	ng	99
75) Fluoranthene	19.747	202	705517	75.137	ng	99
78) Pyrene	20.106	202	591890	60.571	ng	99
81) Benzo(a)anthracene	21.997	228	301171	31.435	ng	97
83) Chrysene	22.068	228	262385	29.107	ng	95
84) Bis(2-ethylhexyl)phtha...	21.839	149	26920	5.868	ng	99
87) Indeno(1,2,3-cd)pyrene	29.546	276	100701	9.326	ng	# 75
88) Benzo(b)fluoranthene	24.394	252	259906	26.837	ng	96
89) Benzo(k)fluoranthene	24.394	252	259906	26.410	ng	96
90) Benzo(a)pyrene	25.346	252	194821	20.591	ng	98
91) Dibenzo(a,h)anthracene	29.587	278	29840	3.319	ng	# 88
92) Benzo(g,h,i)perylene	30.815	276	91837	10.460	ng	97

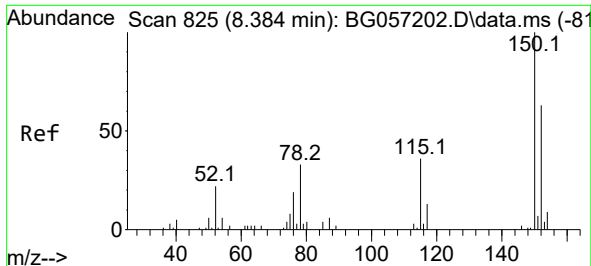
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat May 20 04:19:55 2023
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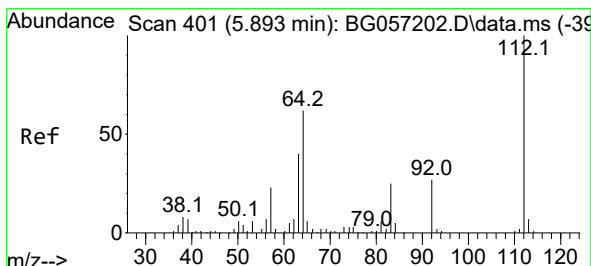
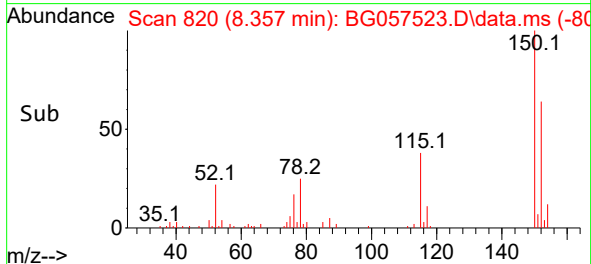
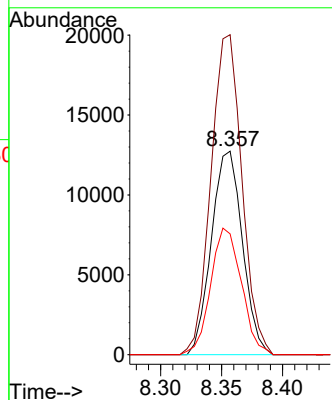
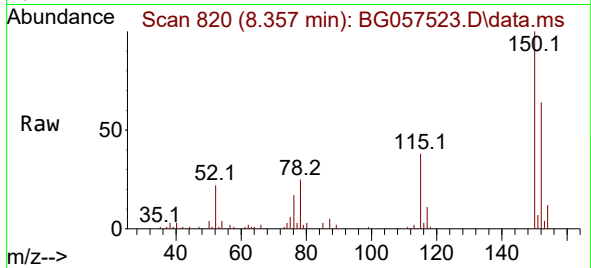




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.357 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG057523.D
Acq: 23 May 2023 17:19

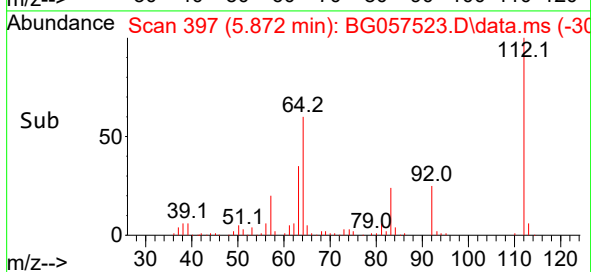
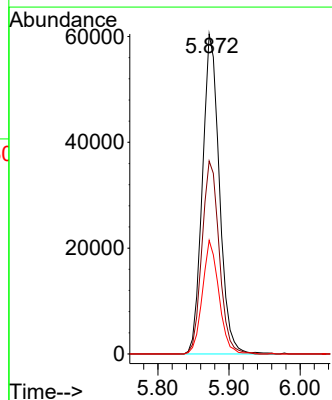
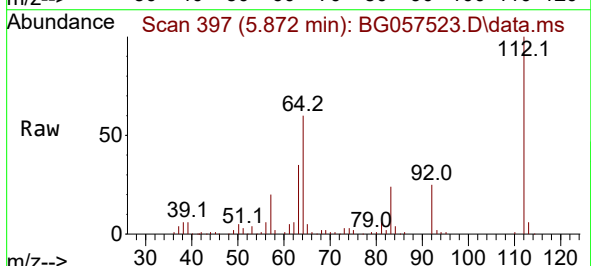
Instrument :
BNA_G
ClientSampleId :
290-328

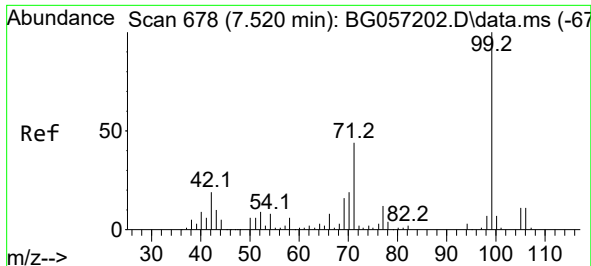
Tgt Ion:152 Resp: 22534
Ion Ratio Lower Upper
152 100
150 157.3 126.2 189.4
115 59.4 45.0 67.4



#5
2-Fluorophenol
Concen: 76.305 ng
RT: 5.872 min Scan# 397
Delta R.T. 0.001 min
Lab File: BG057523.D
Acq: 23 May 2023 17:19

Tgt Ion:112 Resp: 100517
Ion Ratio Lower Upper
112 100
64 60.3 49.4 74.2
63 35.5 31.6 47.4

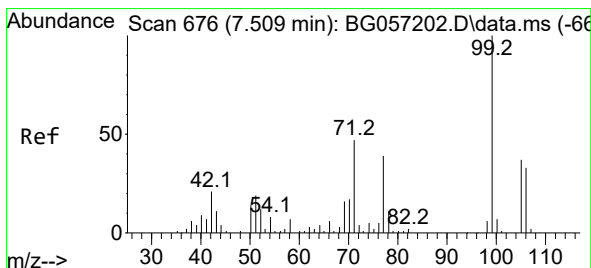
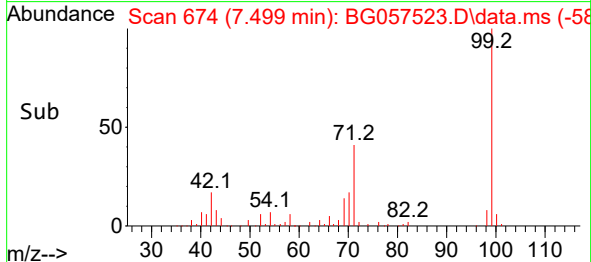
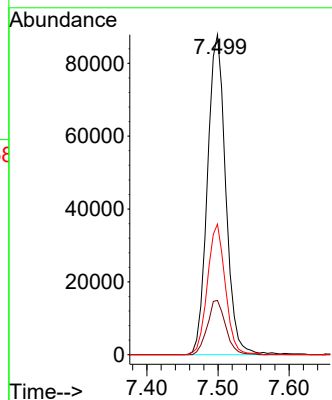
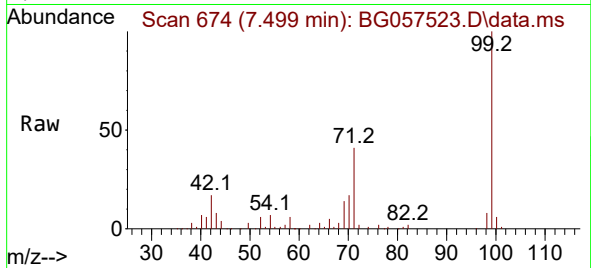




#7
Phenol-d6
Concen: 78.371 ng
RT: 7.499 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG057523.D
Acq: 23 May 2023 17:19

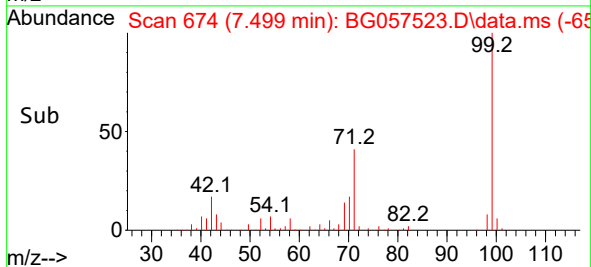
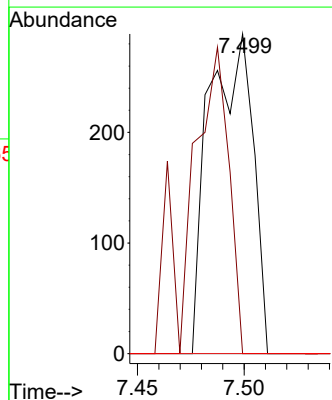
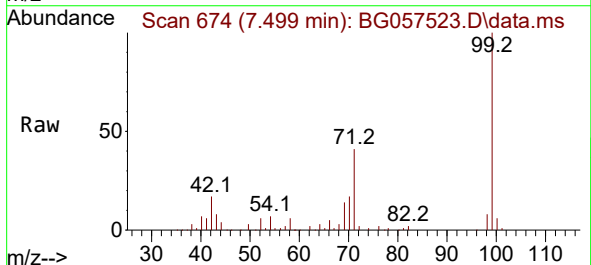
Instrument :
BNA_G
ClientSampleId :
290-328

Tgt Ion: 99 Resp: 156771
Ion Ratio Lower Upper
99 100
42 17.0 15.1 22.7
71 40.8 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.499 min Scan# 674
Delta R.T. 0.013 min
Lab File: BG057523.D
Acq: 23 May 2023 17:19

Tgt Ion: 77 Resp: 414
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#

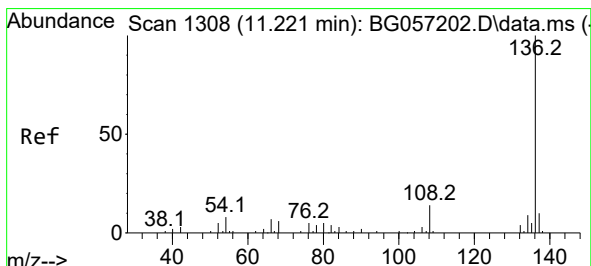
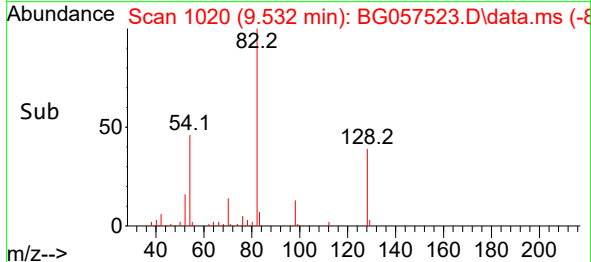
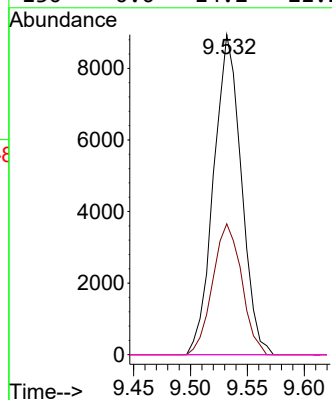
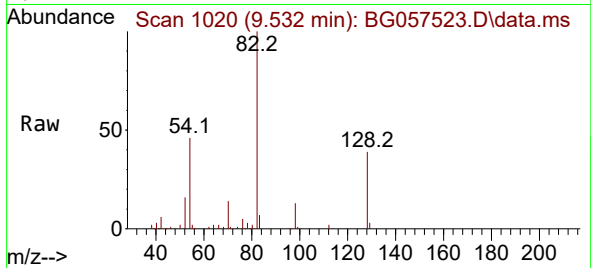




#19
n-Nitroso-di-n-propylamine
Concen: 9.910 ng
RT: 9.532 min Scan# 1020
Delta R.T. 0.371 min
Lab File: BG057523.D
Acq: 23 May 2023 17:19

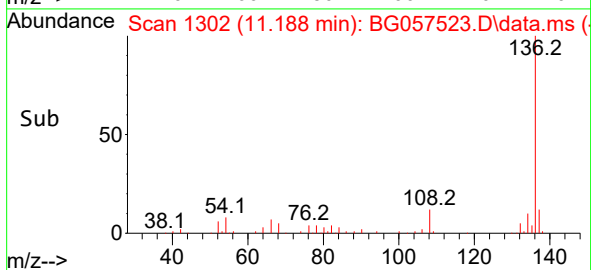
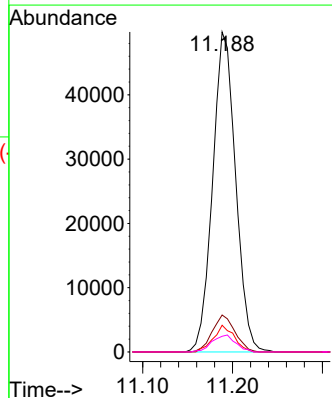
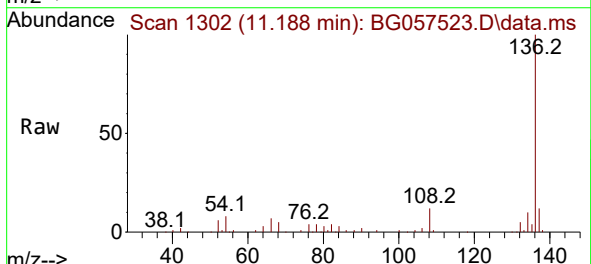
Instrument :
BNA_G
ClientSampleId :
290-328

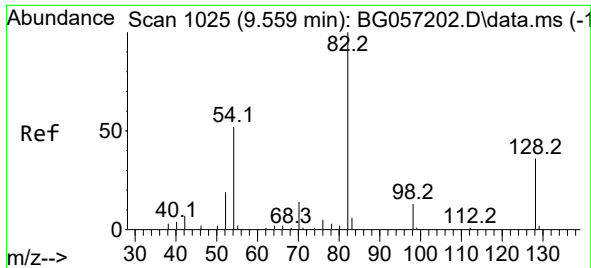
Tgt Ion: 70 Resp: 15116
Ion Ratio Lower Upper
70 100
42 40.9 41.8 62.8#
101 0.0 6.8 10.2#
130 0.0 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.188 min Scan# 1302
Delta R.T. -0.011 min
Lab File: BG057523.D
Acq: 23 May 2023 17:19

Tgt Ion: 136 Resp: 88418
Ion Ratio Lower Upper
136 100
137 11.5 8.3 12.5
54 8.3 6.7 10.1
68 4.9 4.6 6.8

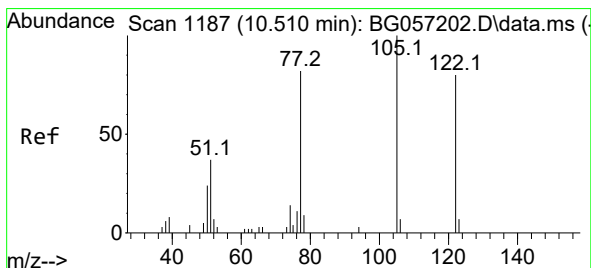
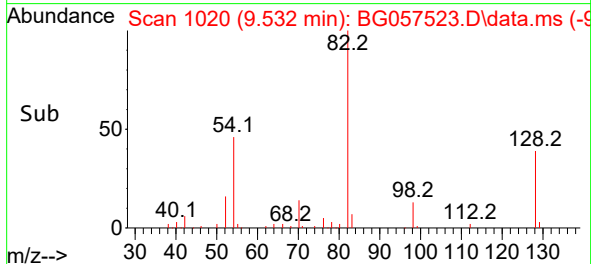
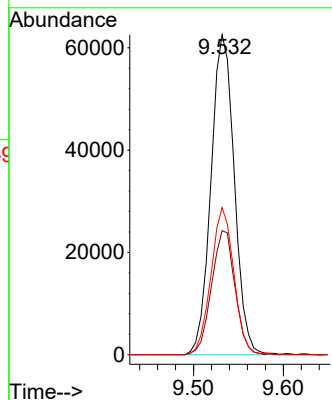
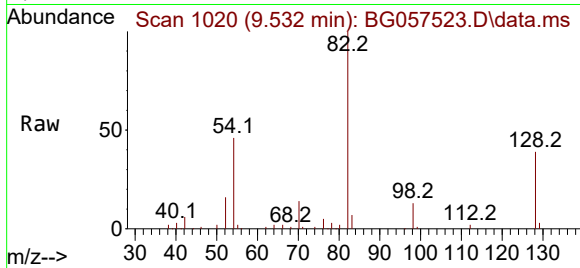




#23
 Nitrobenzene-d5
 Concen: 53.501 ng
 RT: 9.532 min Scan# 112709
 Delta R.T. -0.005 min
 Lab File: BG057523.D
 Acq: 23 May 2023 17:19

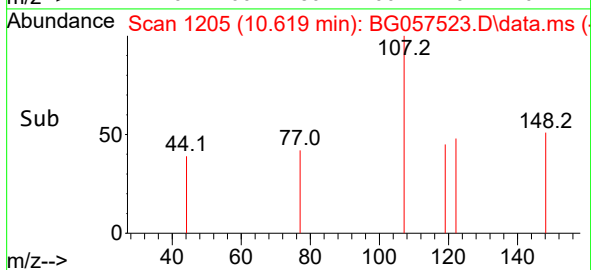
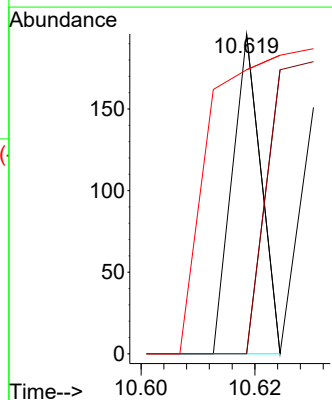
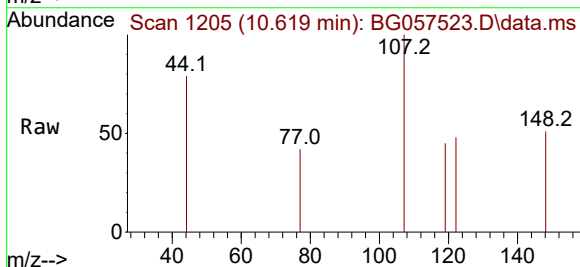
Instrument :
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 ClientSampleId :
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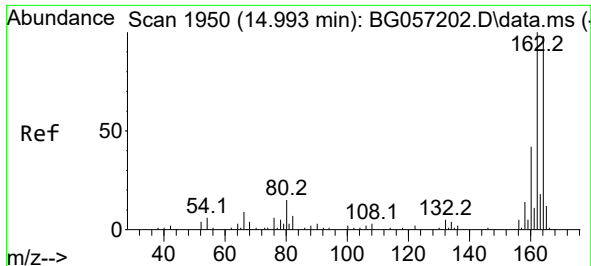
Tgt Ion: 82 Resp: 112709
 Ion Ratio Lower Upper
 82 100
 128 38.8 29.0 43.4
 54 46.0 41.4 62.0



#32
 Benzoic acid
 Concen: 4.793 ng
 RT: 10.619 min Scan# 1205
 Delta R.T. 0.130 min
 Lab File: BG057523.D
 Acq: 23 May 2023 17:19

Tgt Ion:122 Resp: 69
 Ion Ratio Lower Upper
 122 100
 105 0.0 105.2 145.2#
 77 88.8 83.1 123.1

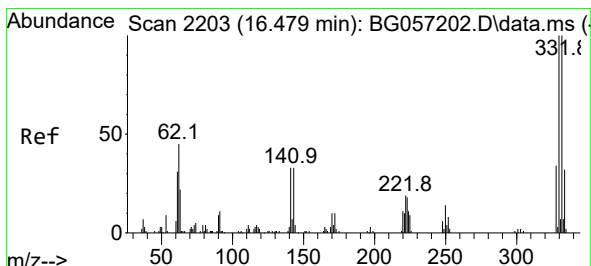
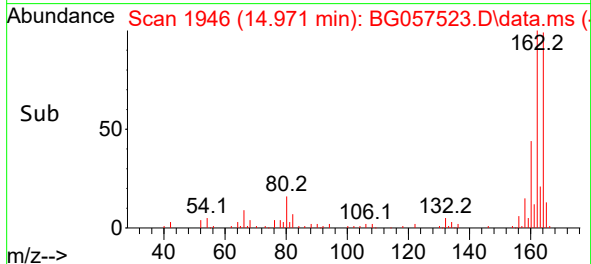
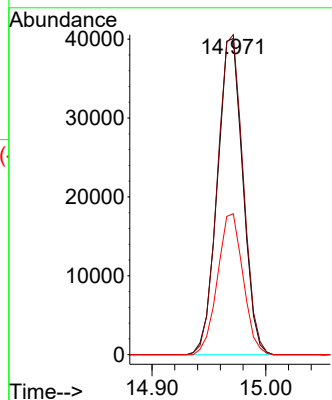
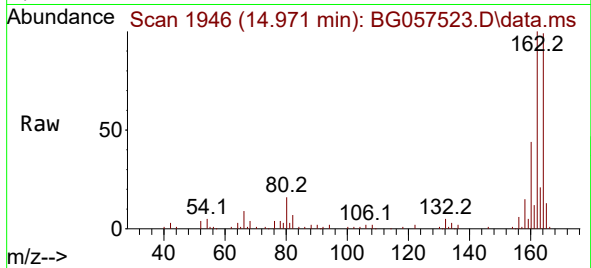




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.971 min Scan# 1946
Delta R.T. -0.005 min
Lab File: BG057523.D
Acq: 23 May 2023 17:19

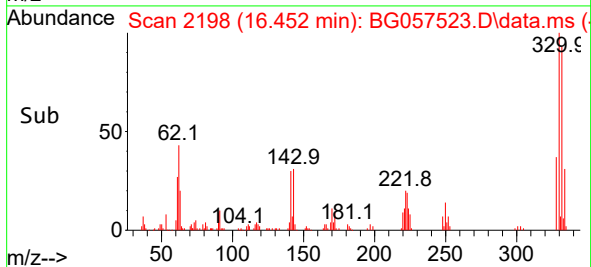
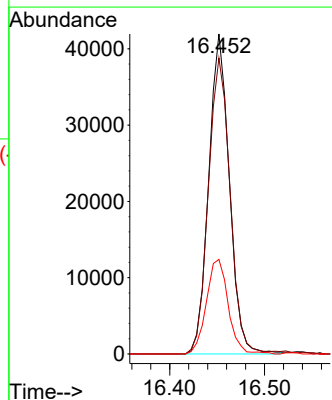
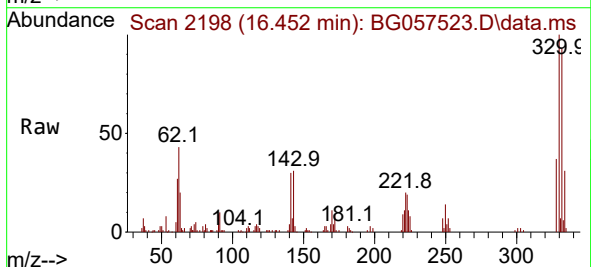
Instrument :
BNA_G
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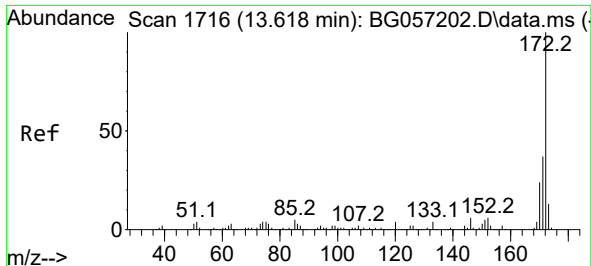
Tgt Ion:164 Resp: 62327
Ion Ratio Lower Upper
164 100
162 101.2 81.8 122.6
160 44.6 34.6 52.0



#42
2,4,6-Tribromophenol
Concen: 71.912 ng
RT: 16.452 min Scan# 2198
Delta R.T. -0.005 min
Lab File: BG057523.D
Acq: 23 May 2023 17:19

Tgt Ion:330 Resp: 63596
Ion Ratio Lower Upper
330 100
332 96.7 78.2 117.2
141 31.2 27.8 41.8

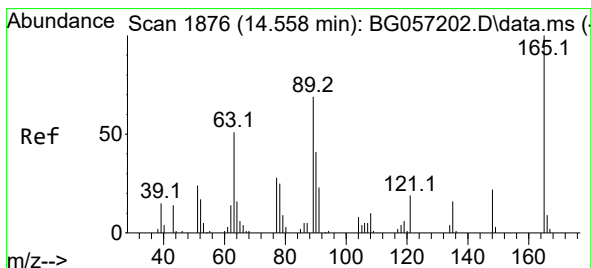
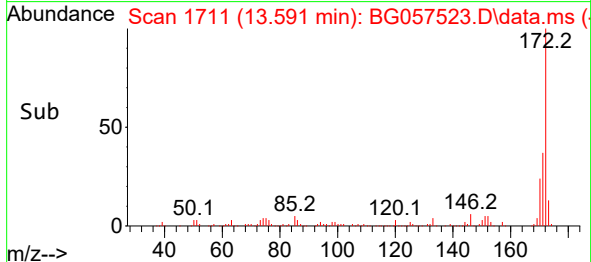
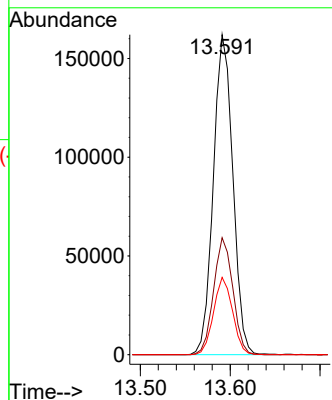
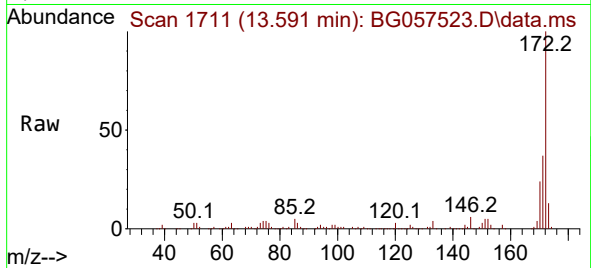




#45
2-Fluorobiphenyl
Concen: 52.747 ng
RT: 13.591 min Scan# 11
Delta R.T. -0.011 min
Lab File: BG057523.D
Acq: 23 May 2023 17:19

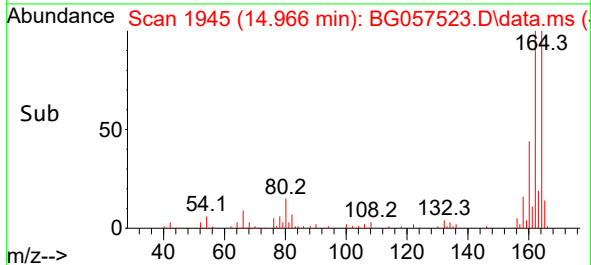
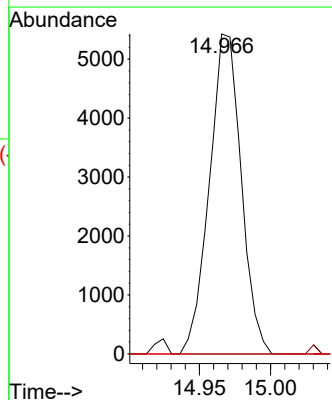
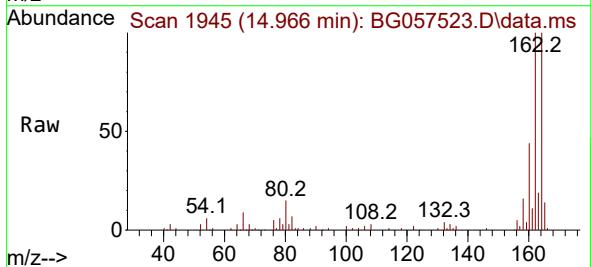
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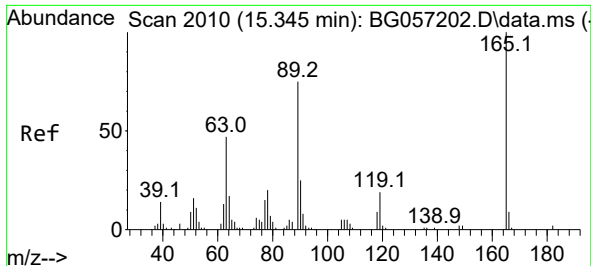
Tgt Ion:172 Resp: 244101
Ion Ratio Lower Upper
172 100
171 36.5 29.4 44.0
170 24.2 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 8.076 ng
RT: 14.966 min Scan# 1945
Delta R.T. 0.424 min
Lab File: BG057523.D
Acq: 23 May 2023 17:19

Tgt Ion:165 Resp: 8445
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: 5.651 ng

RT: 14.966 min Scan# 1945

Delta R.T. -0.363 min

Lab File: BG057523.D

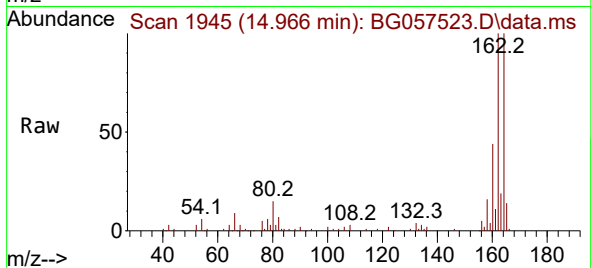
Acq: 23 May 2023 17:19

Instrument :

BNA_G

ClientSampleId :

290-328



Tgt Ion:165 Resp: 8445

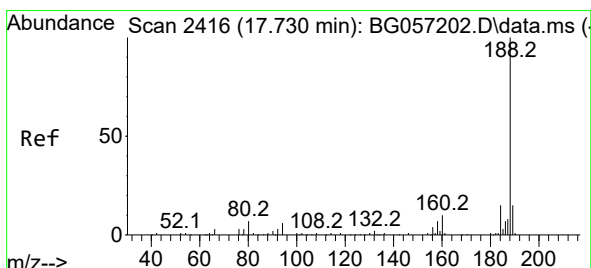
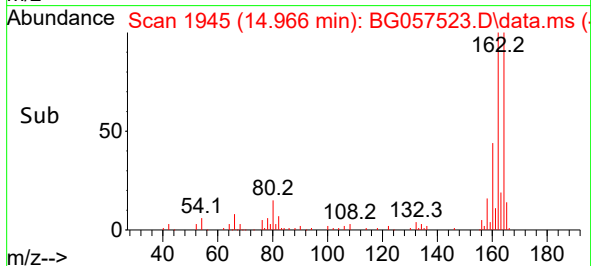
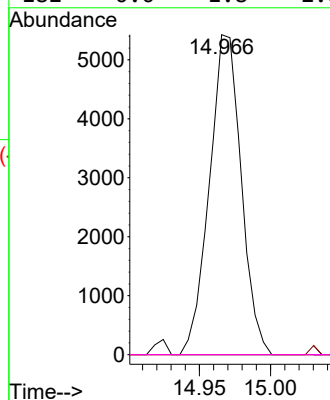
Ion Ratio Lower Upper

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: 17.709 min Scan# 2412

Delta R.T. -0.005 min

Lab File: BG057523.D

Acq: 23 May 2023 17:19

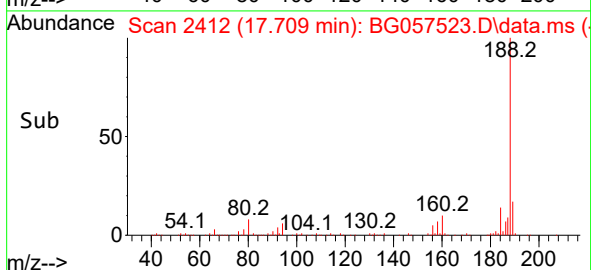
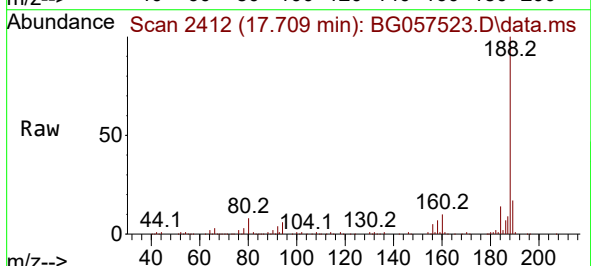
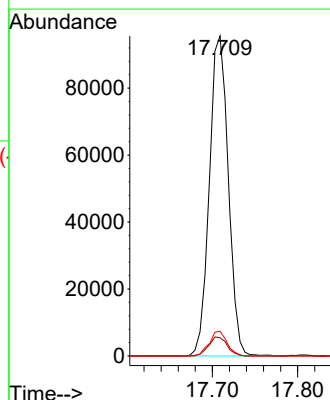
Tgt Ion:188 Resp: 147333

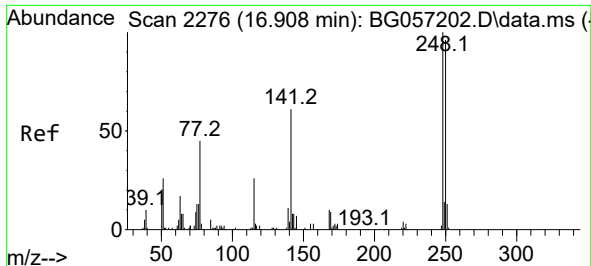
Ion Ratio Lower Upper

188 100

94 5.7 5.1 7.7

80 7.7 5.7 8.5

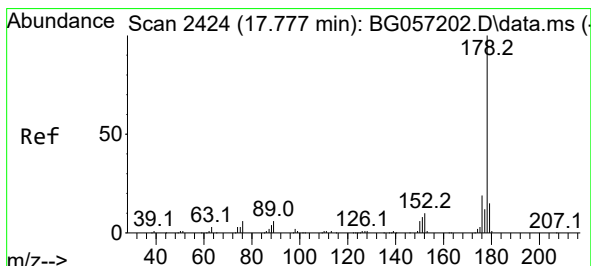
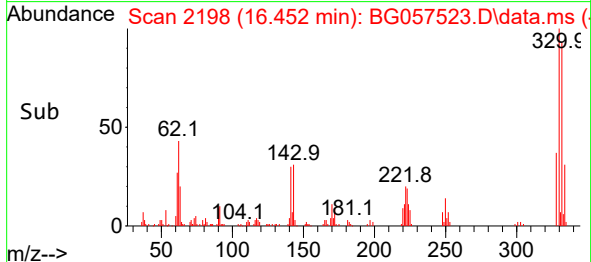
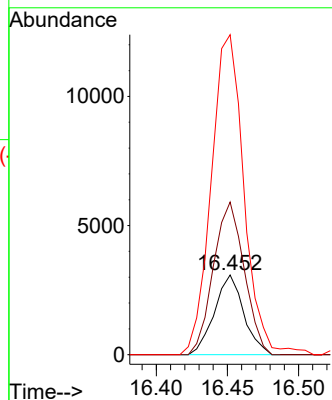
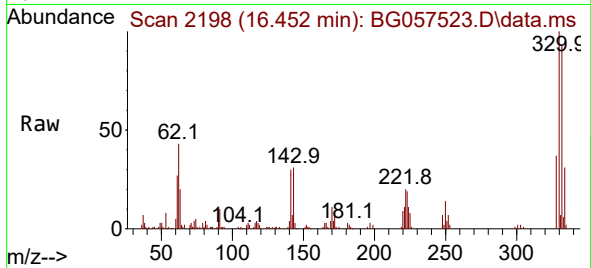




#67
4-Bromophenyl-phenylether
Concen: 2.464 ng
RT: 16.452 min Scan# 2198
Delta R.T. -0.434 min
Lab File: BG057523.D
Acq: 23 May 2023 17:19

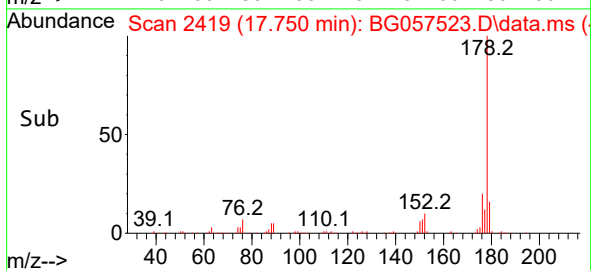
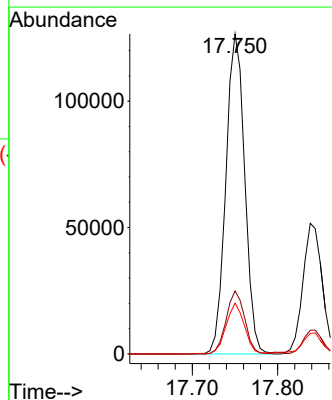
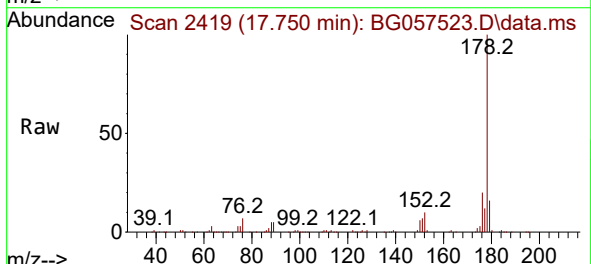
Instrument :
BNA_G
ClientSampleId :
290-328

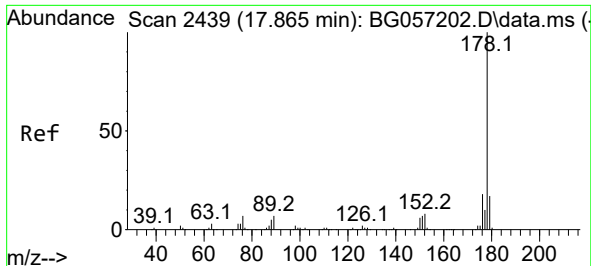
Tgt Ion:248 Resp: 4431
Ion Ratio Lower Upper
248 100
250 191.4 77.0 115.6#
141 401.4 48.6 72.8#



#71
Phenanthrene
Concen: 25.707 ng
RT: 17.750 min Scan# 2419
Delta R.T. -0.005 min
Lab File: BG057523.D
Acq: 23 May 2023 17:19

Tgt Ion:178 Resp: 194080
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.2
179 15.9 12.3 18.5

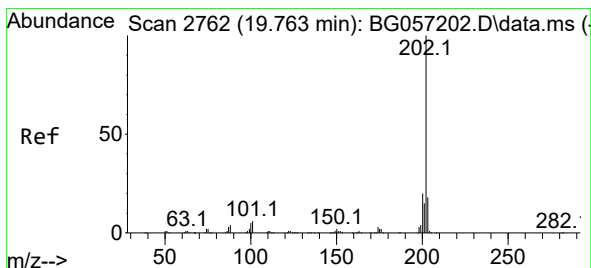
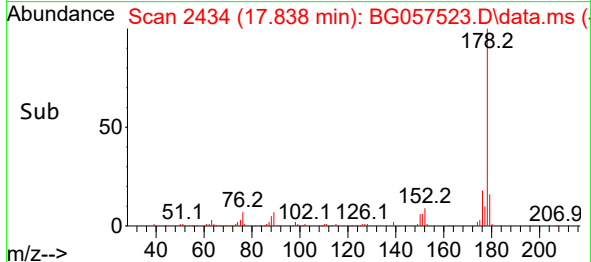
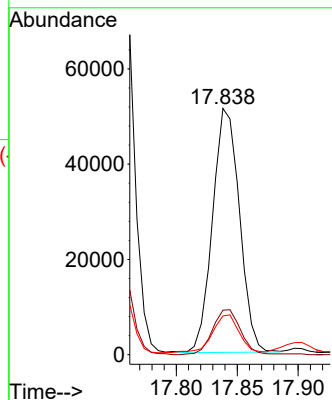
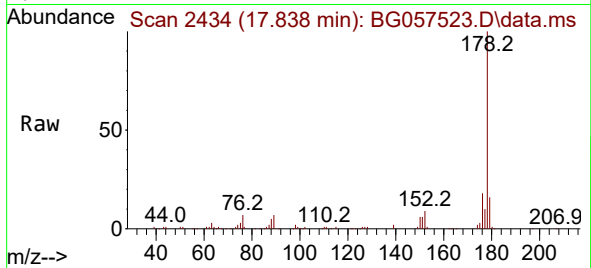




#72
 Anthracene
 Concen: 10.169 ng
 RT: 17.838 min Scan# 2439
 Delta R.T. -0.011 min
 Lab File: BG057523.D
 Acq: 23 May 2023 17:19

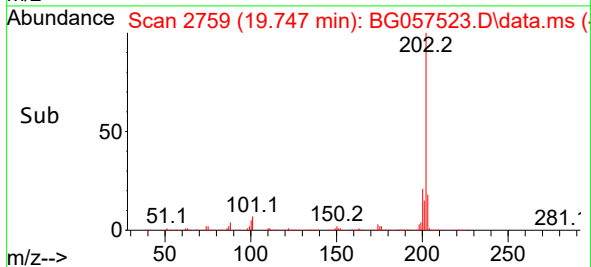
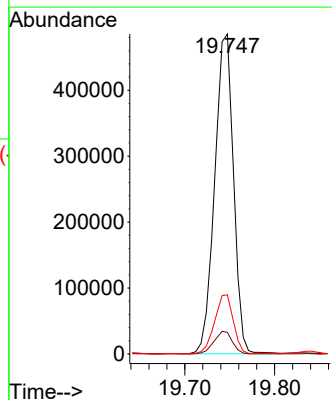
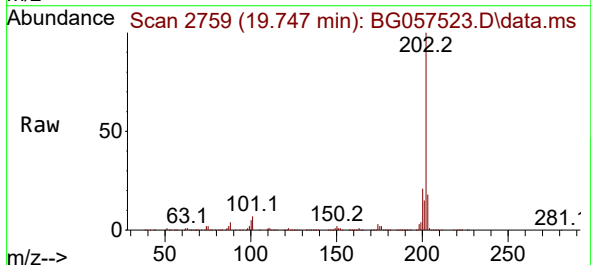
Instrument :
 BNA_G
 ClientSampleId :
 290-328

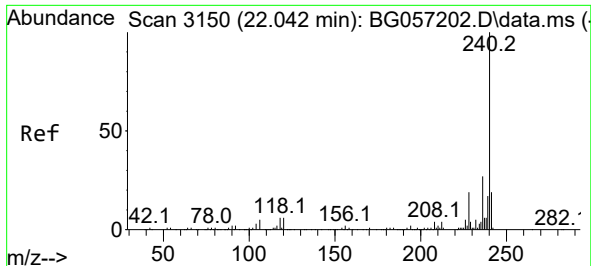
Tgt Ion:178 Resp: 78776
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.7 22.1
 179 15.7 13.2 19.8



#75
 Fluoranthene
 Concen: 75.137 ng
 RT: 19.747 min Scan# 2759
 Delta R.T. 0.001 min
 Lab File: BG057523.D
 Acq: 23 May 2023 17:19

Tgt Ion:202 Resp: 705517
 Ion Ratio Lower Upper
 202 100
 101 6.7 0.0 26.2
 203 18.5 0.0 37.9

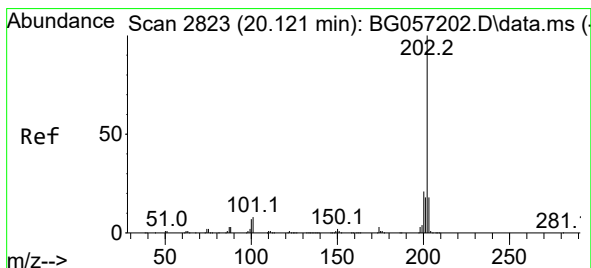
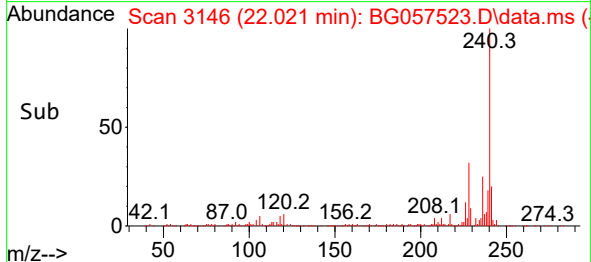
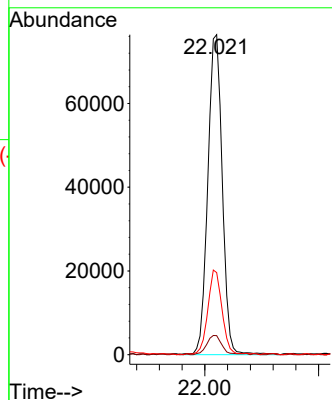
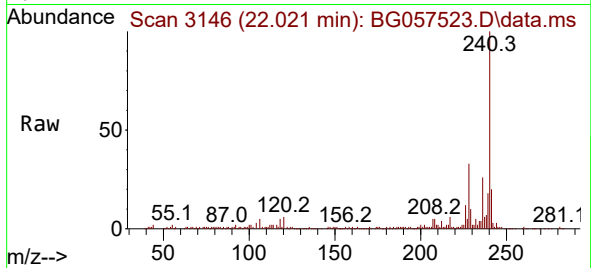




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.021 min Scan# 3150
Delta R.T. 0.001 min
Lab File: BG057523.D
Acq: 23 May 2023 17:19

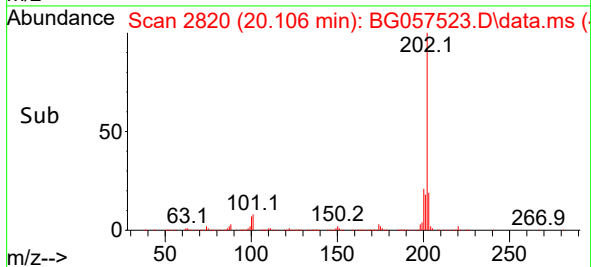
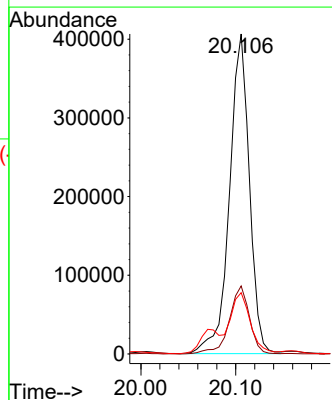
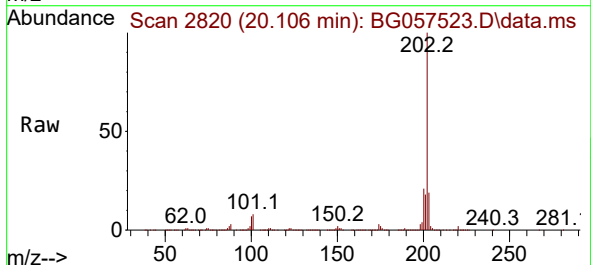
Instrument :
BNA_G
ClientSampleId :
290-328

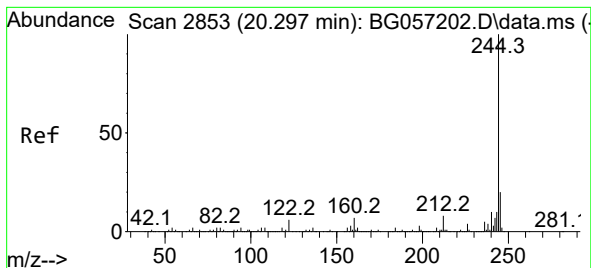
Tgt Ion:240 Resp: 134475
Ion Ratio Lower Upper
240 100
120 6.0 4.9 7.3
236 25.7 21.4 32.2



#78
Pyrene
Concen: 60.571 ng
RT: 20.106 min Scan# 2820
Delta R.T. 0.001 min
Lab File: BG057523.D
Acq: 23 May 2023 17:19

Tgt Ion:202 Resp: 591890
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 19.2 14.2 21.4





#79

Terphenyl-d14

Concen: 42.766 ng

RT: 20.276 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG057523.D

Acq: 23 May 2023 17:19

Instrument :

BNA_G

ClientSampleId :

290-328

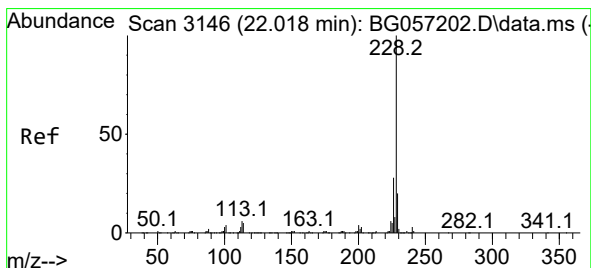
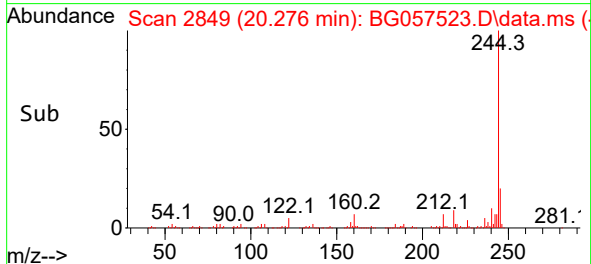
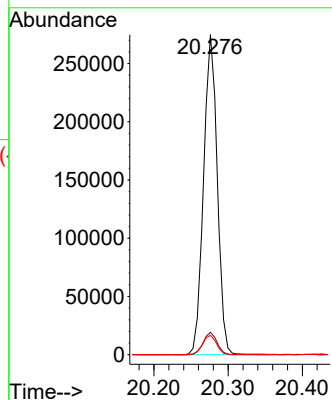
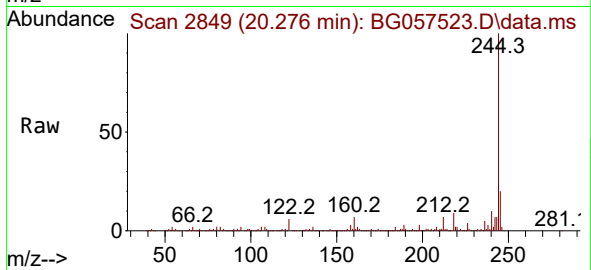
Tgt Ion:244 Resp: 352405

Ion Ratio Lower Upper

244 100

212 7.0 6.1 9.1

122 6.1 5.1 7.7



#81

Benzo(a)anthracene

Concen: 31.435 ng

RT: 21.997 min Scan# 3142

Delta R.T. 0.001 min

Lab File: BG057523.D

Acq: 23 May 2023 17:19

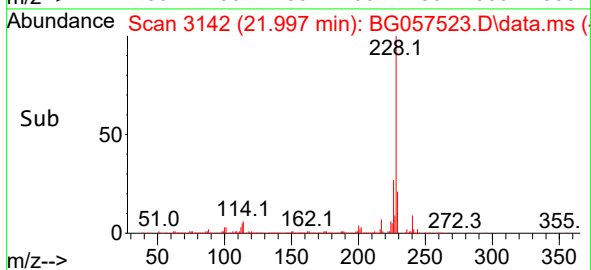
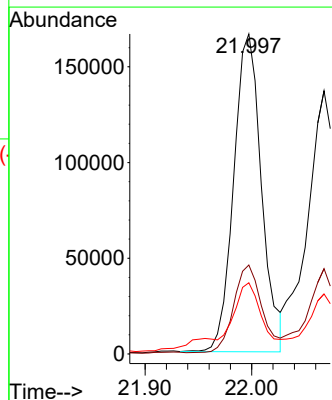
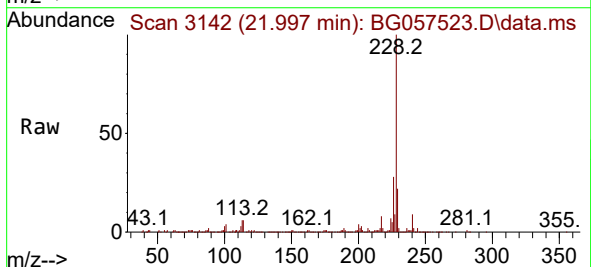
Tgt Ion:228 Resp: 301171

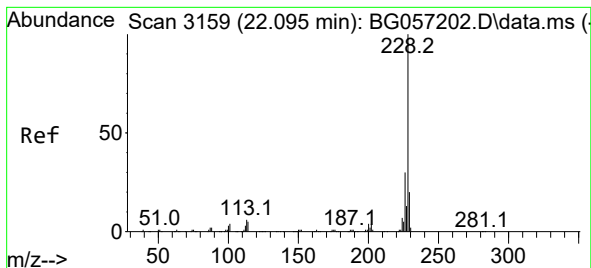
Ion Ratio Lower Upper

228 100

226 27.8 22.0 33.0

229 22.3 15.8 23.8





#83

Chrysene

Concen: 29.107 ng

RT: 22.068 min Scan# 3115

Delta R.T. -0.005 min

Lab File: BG057523.D

Acq: 23 May 2023 17:19

Instrument :

BNA_G

ClientSampleId :

290-328

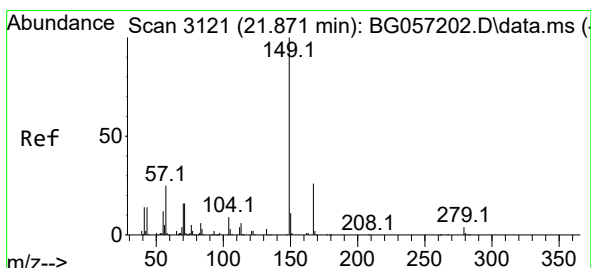
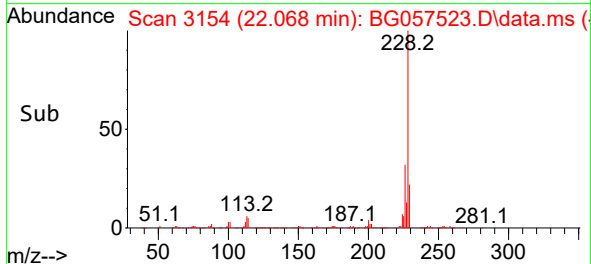
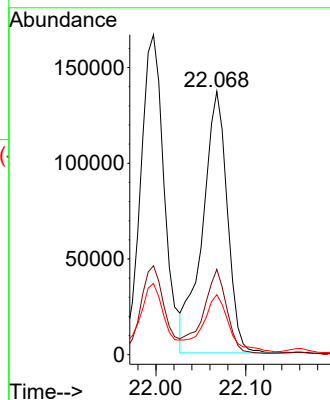
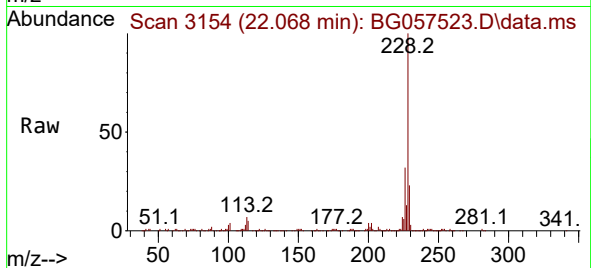
Tgt Ion:228 Resp: 262385

Ion Ratio Lower Upper

228 100

226 32.4 24.3 36.5

229 22.8 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.868 ng

RT: 21.839 min Scan# 3115

Delta R.T. -0.005 min

Lab File: BG057523.D

Acq: 23 May 2023 17:19

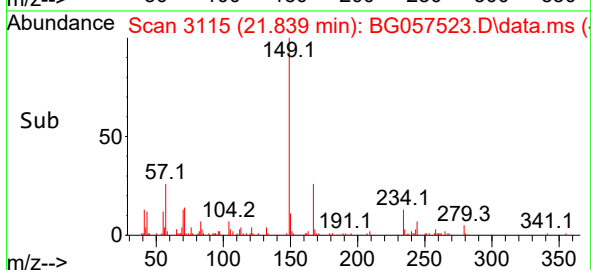
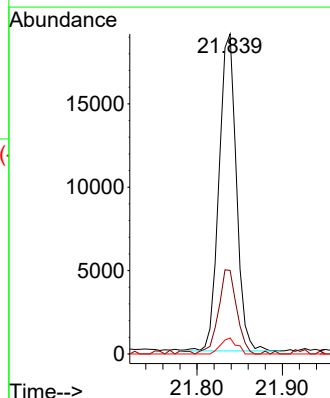
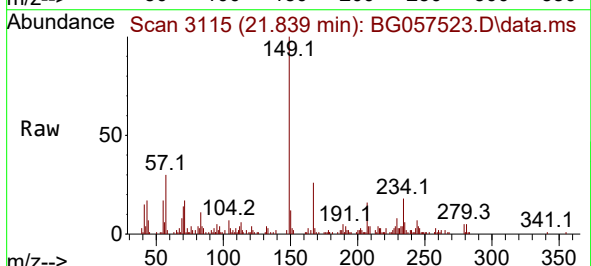
Tgt Ion:149 Resp: 26920

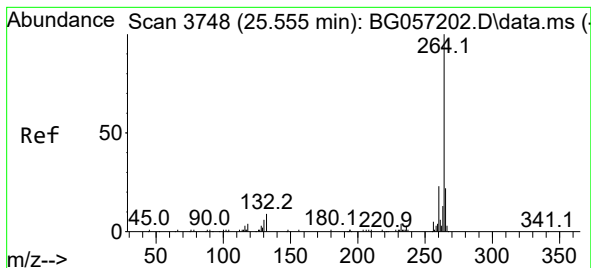
Ion Ratio Lower Upper

149 100

167 26.1 21.2 31.8

279 5.0 3.5 5.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.516 min Scan# 31

Delta R.T. 0.001 min

Lab File: BG057523.D

Acq: 23 May 2023 17:19

Instrument :

BNA_G

ClientSampleId :

290-328

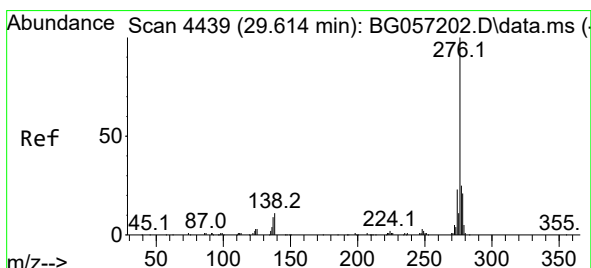
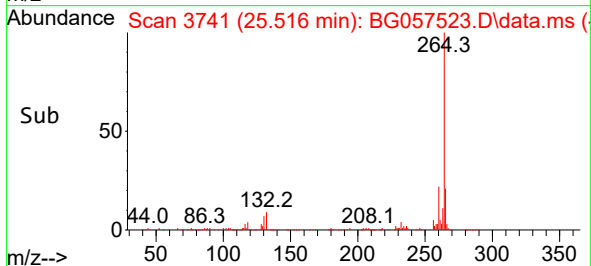
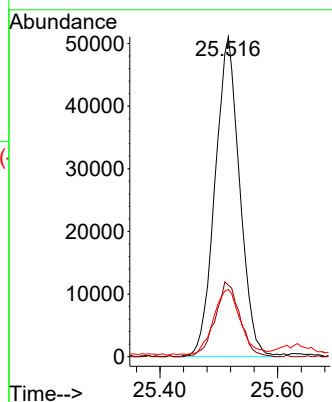
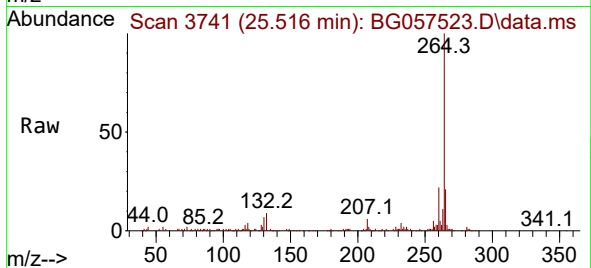
Tgt Ion:264 Resp: 148150

Ion Ratio Lower Upper

264 100

260 22.4 18.8 28.2

265 21.0 17.9 26.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.326 ng

RT: 29.546 min Scan# 4427

Delta R.T. -0.016 min

Lab File: BG057523.D

Acq: 23 May 2023 17:19

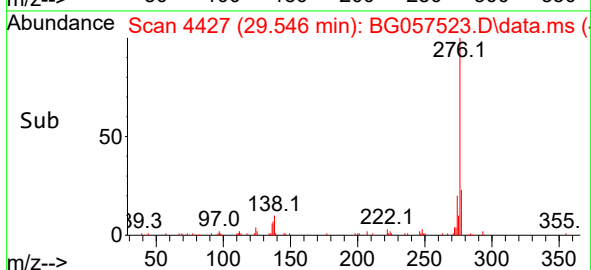
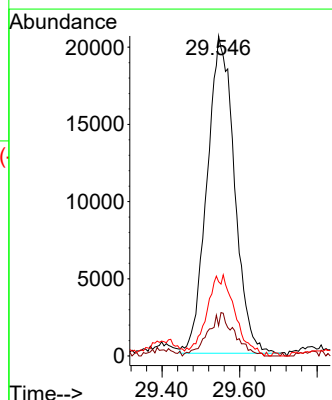
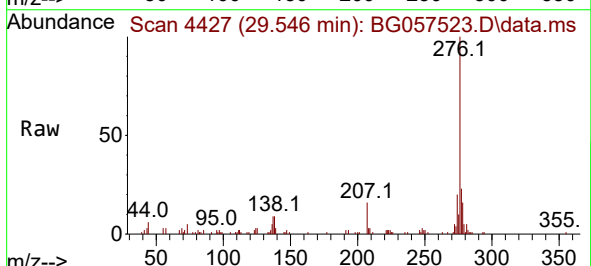
Tgt Ion:276 Resp: 100701

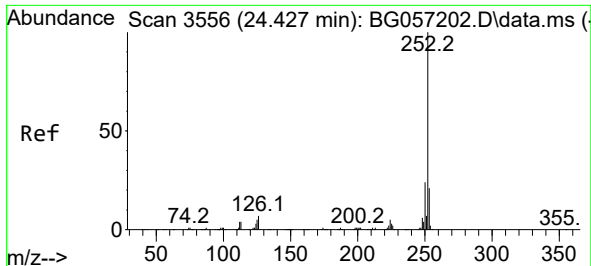
Ion Ratio Lower Upper

276 100

138 13.3 5.4 8.0#

277 12.2 20.6 30.8#

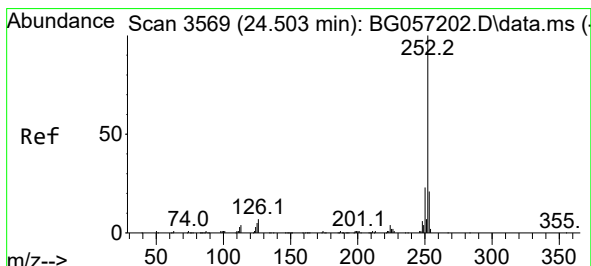
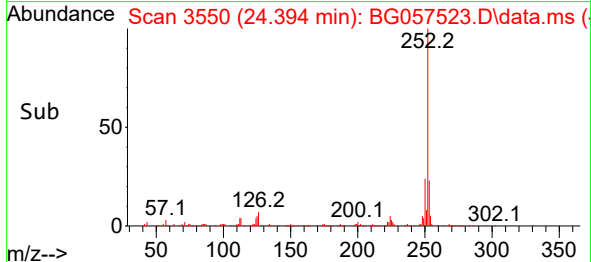
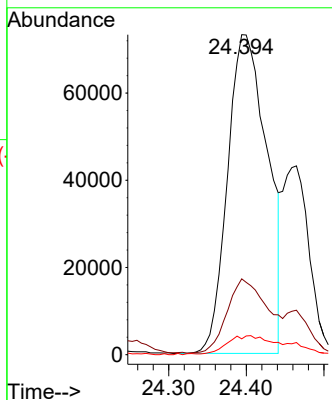
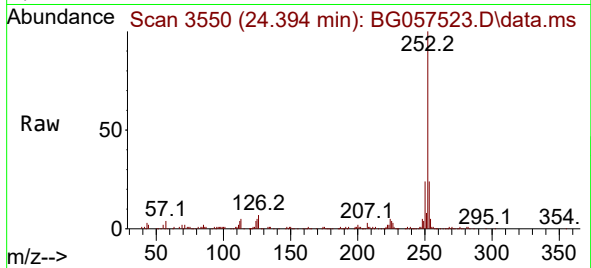




#88
Benzo(b)fluoranthene
Concen: 26.837 ng
RT: 24.394 min Scan# 3550
Delta R.T. 0.001 min
Lab File: BG057523.D
Acq: 23 May 2023 17:19

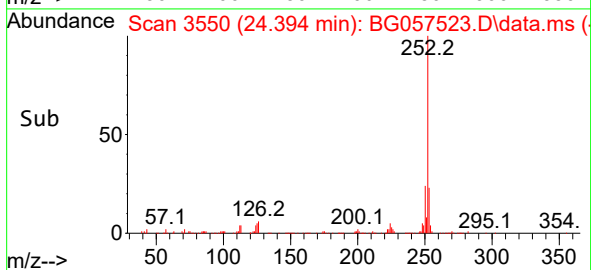
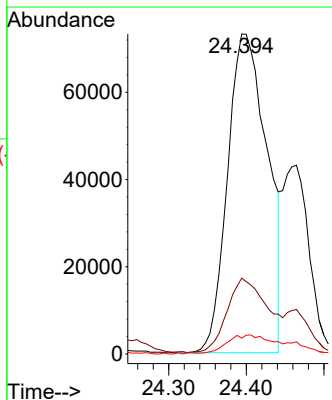
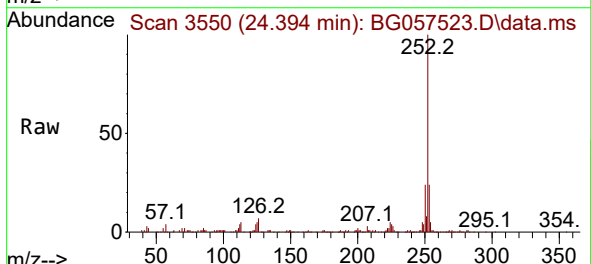
Instrument :
BNA_G
ClientSampleId :
290-328

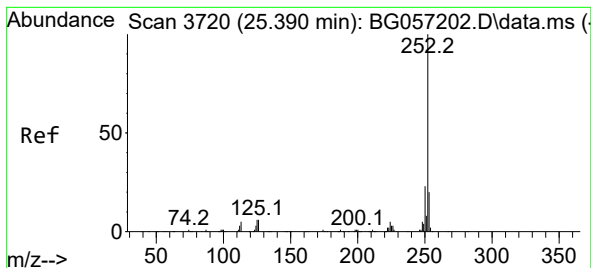
Tgt Ion:252 Resp: 259906
Ion Ratio Lower Upper
252 100
253 23.7 17.0 25.6
125 5.0 4.2 6.2



#89
Benzo(k)fluoranthene
Concen: 26.410 ng
RT: 24.394 min Scan# 3550
Delta R.T. -0.075 min
Lab File: BG057523.D
Acq: 23 May 2023 17:19

Tgt Ion:252 Resp: 259906
Ion Ratio Lower Upper
252 100
253 23.7 17.4 26.0
125 5.0 4.1 6.1





#90

Benzo(a)pyrene

Concen: 20.591 ng

RT: 25.346 min Scan# 31

Delta R.T. -0.011 min

Lab File: BG057523.D

Acq: 23 May 2023 17:19

Instrument :

BNA_G

ClientSampleId :

290-328

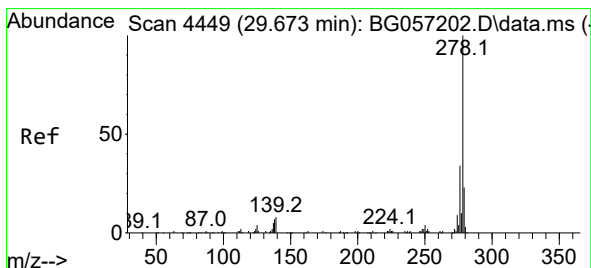
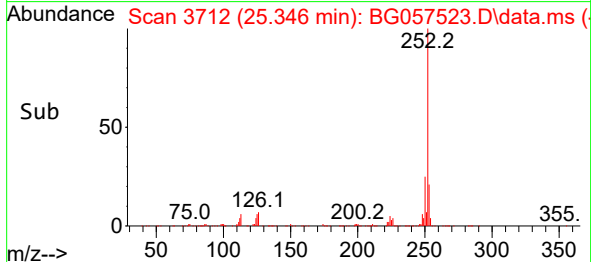
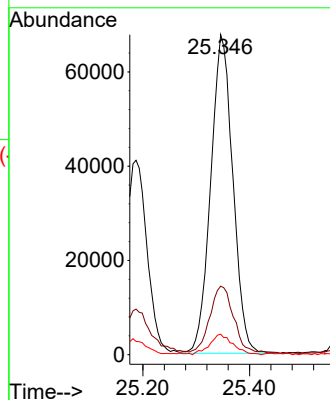
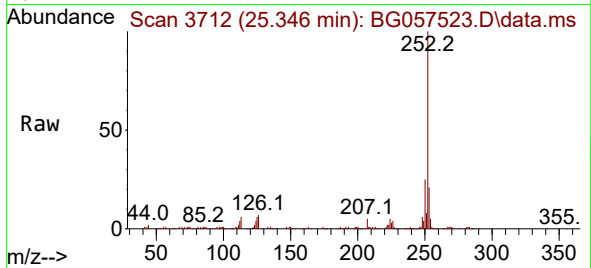
Tgt Ion:252 Resp: 194821

Ion Ratio Lower Upper

252 100

253 21.4 16.3 24.5

125 6.4 5.0 7.4



#91

Dibenzo(a,h)anthracene

Concen: 3.319 ng

RT: 29.587 min Scan# 4434

Delta R.T. -0.022 min

Lab File: BG057523.D

Acq: 23 May 2023 17:19

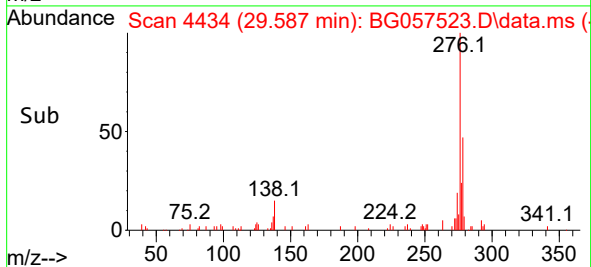
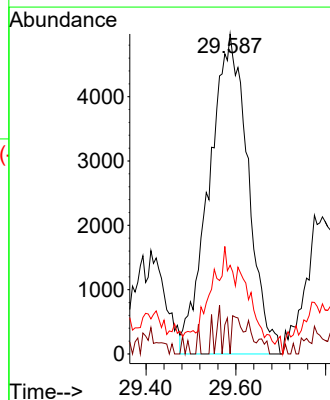
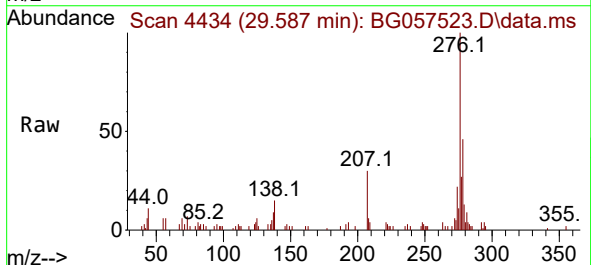
Tgt Ion:278 Resp: 29840

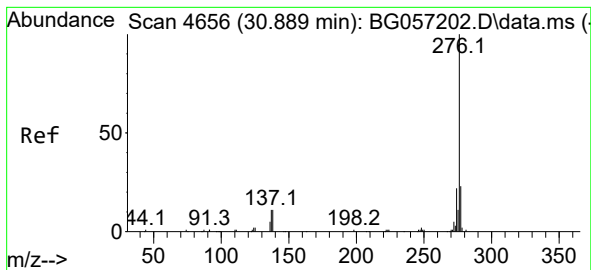
Ion Ratio Lower Upper

278 100

139 0.0 6.2 9.2#

279 27.7 18.6 27.8





#92

Benzo(g,h,i)perylene

Concen: 10.460 ng

RT: 30.815 min Scan# 4

Delta R.T. -0.022 min

Lab File: BG057523.D

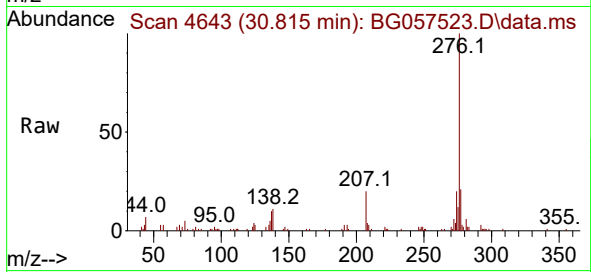
Acq: 23 May 2023 17:19

Instrument :

BNA_G

ClientSampleId :

290-328



Tgt Ion:276 Resp: 91837

Ion Ratio Lower Upper

276 100

277 21.0 18.4 27.6

138 11.3 9.0 13.4

