

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020223\
 Data File : BG056523.D
 Acq On : 2 Feb 2023 20:56
 Operator : CG/JU
 Sample : 01285-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-07-SB01

Quant Time: Feb 03 05:59:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 01:15:52 2023
 Response via : Initial Calibration

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

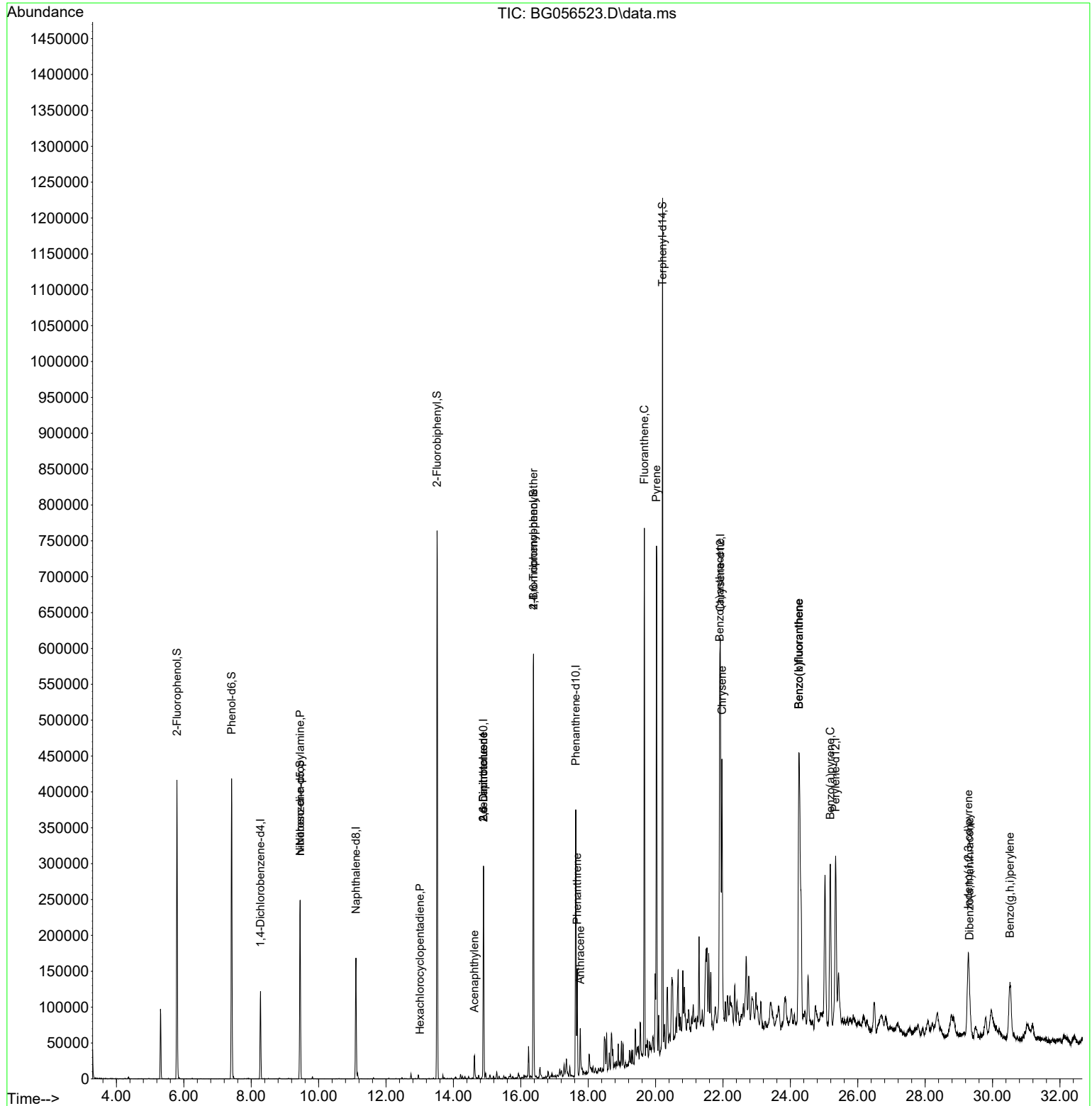
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.276	152	41498	20.000	ng	0.00
21) Naphthalene-d8	11.108	136	157503	20.000	ng	0.00
39) Acenaphthene-d10	14.892	164	115124	20.000	ng	0.00
64) Phenanthrene-d10	17.630	188	263315	20.000	ng	0.00
76) Chrysene-d12	21.925	240	260894	20.000	ng	0.00
86) Perylene-d12	25.344	264	287279	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.797	112	240158	106.460	ng	0.00
7) Phenol-d6	7.418	99	326010	97.537	ng	0.00
23) Nitrobenzene-d5	9.451	82	175643	63.325	ng	0.00
42) 2,4,6-Tribromophenol	16.378	330	128988	84.278	ng	0.00
45) 2-Fluorobiphenyl	13.517	172	450092	54.204	ng	0.00
79) Terphenyl-d14	20.209	244	632367	42.572	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.418	77	704	Below Cal	#	42
19) n-Nitroso-di-n-propyla...	9.451	70	21562	11.194	ng	# 74
41) Hexachlorocyclopentadiene	13.012	237	57	6.395	ng	# 25
49) Acenaphthylene	14.622	152	34253	3.226	ng	# 98
51) 2,6-Dinitrotoluene	14.892	165	15767	7.763	ng	# 39
57) 2,4-Dinitrotoluene	14.892	165	15767	5.511	ng	# 37
67) 4-Bromophenyl-phenylether	16.378	248	9844	2.920	ng	# 1
71) Phenanthrene	17.677	178	103751	7.528	ng	# 98
72) Anthracene	17.765	178	48863	3.454	ng	# 98
75) Fluoranthene	19.669	202	483111	27.775	ng	# 99
78) Pyrene	20.027	202	501606	27.033	ng	# 99
81) Benzo(a)anthracene	21.901	228	323547	17.739	ng	# 99
83) Chrysene	21.972	228	321825	18.781	ng	# 98
87) Indeno(1,2,3-cd)pyrene	29.287	276	217054	10.322	ng	# 99
88) Benzo(b)fluoranthene	24.252	252	542818	30.442	ng	# 97
89) Benzo(k)fluoranthene	24.252	252	542818	30.152	ng	# 96
90) Benzo(a)pyrene	25.186	252	283799	16.157	ng	# 97
91) Dibenzo(a,h)anthracene	29.316	278	62696	3.552	ng	# 99
92) Benzo(g,h,i)perylene	30.521	276	188969	11.095	ng	# 97

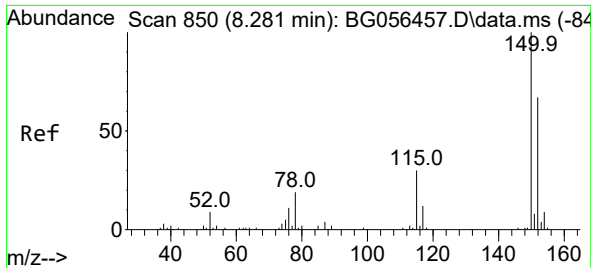
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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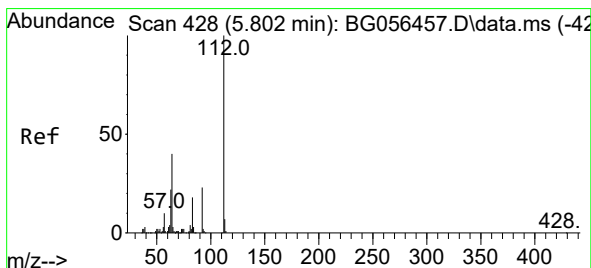
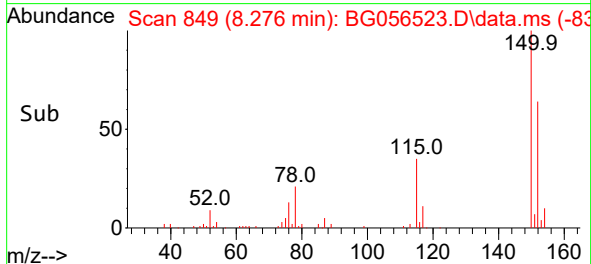
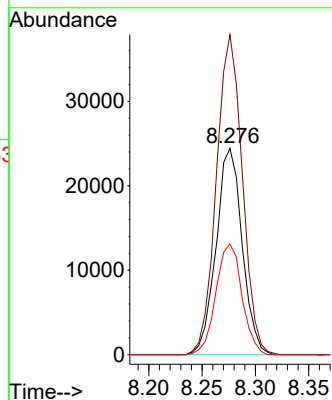
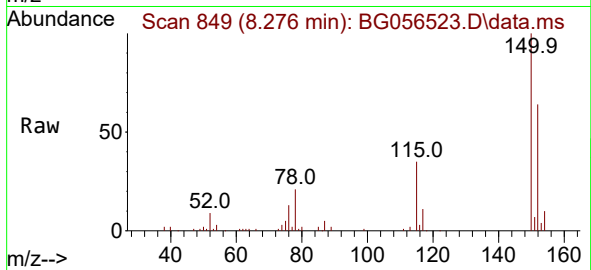




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.276 min Scan# 84
Delta R.T. 0.001 min
Lab File: BG056523.D
Acq: 2 Feb 2023 20:56

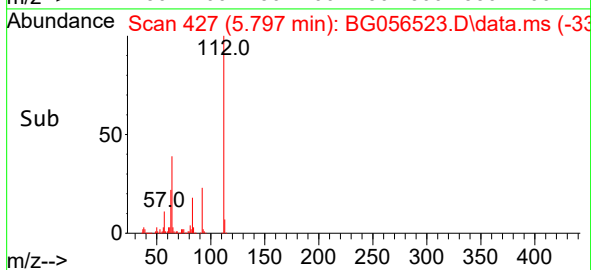
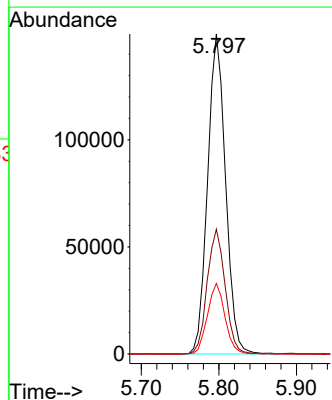
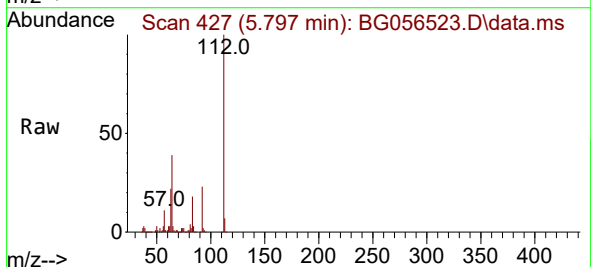
Instrument :
BNA_G
ClientSampleId :
B-07-SB01

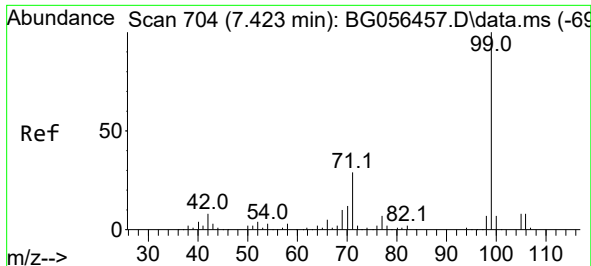
Tgt Ion:152 Resp: 41498
Ion Ratio Lower Upper
152 100
150 155.1 120.2 180.4
115 53.6 36.3 54.5



#5
2-Fluorophenol
Concen: 106.460 ng
RT: 5.797 min Scan# 427
Delta R.T. 0.001 min
Lab File: BG056523.D
Acq: 2 Feb 2023 20:56

Tgt Ion:112 Resp: 240158
Ion Ratio Lower Upper
112 100
64 39.0 31.9 47.9
63 22.1 17.4 26.0

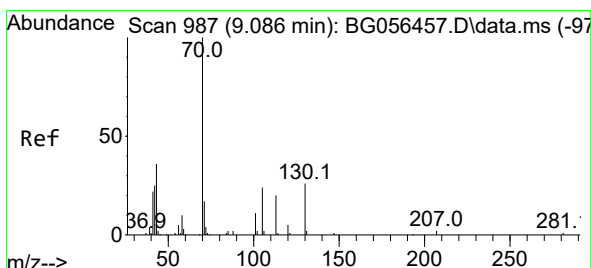
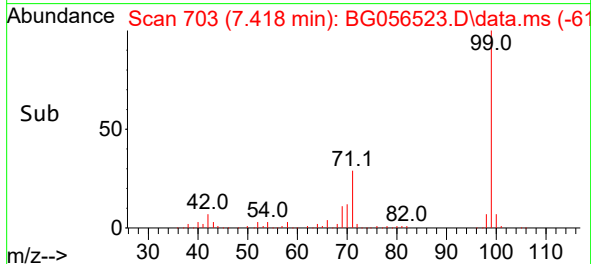
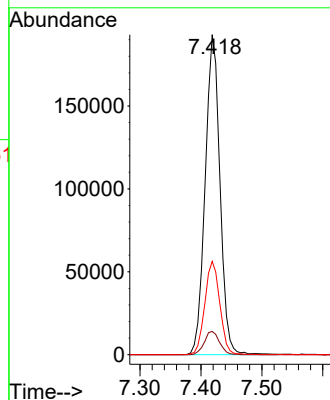
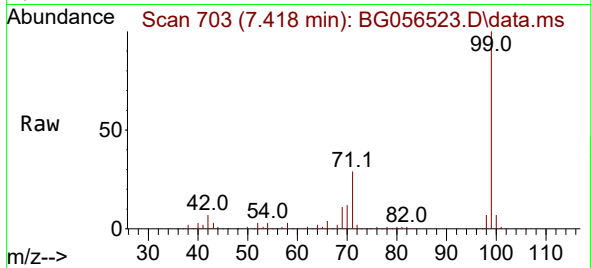




#7
Phenol-d6
Concen: 97.537 ng
RT: 7.418 min Scan# 704
Delta R.T. 0.001 min
Lab File: BG056523.D
Acq: 2 Feb 2023 20:56

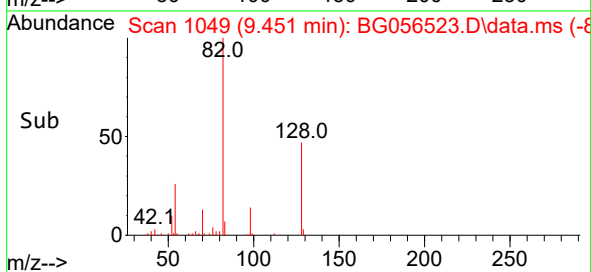
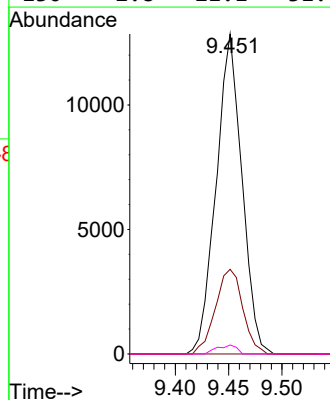
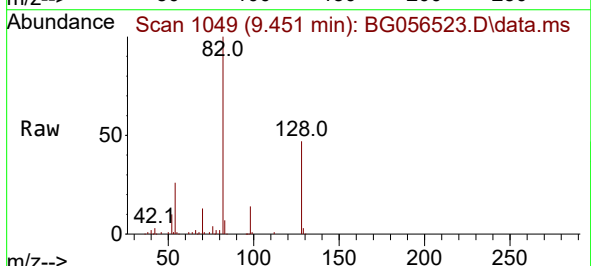
Instrument :
BNA_G
ClientSampleId :
B-07-SB01

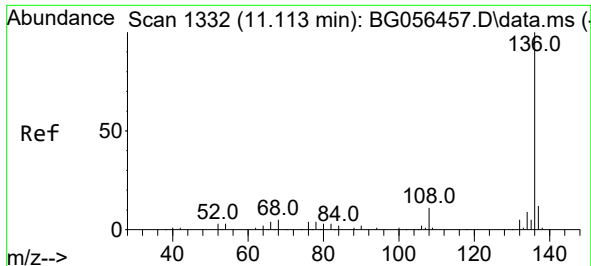
Tgt Ion: 99 Resp: 326010
Ion Ratio Lower Upper
99 100
42 7.2 6.6 10.0
71 29.1 23.4 35.0



#19
n-Nitroso-di-n-propylamine
Concen: 11.194 ng
RT: 9.451 min Scan# 1049
Delta R.T. 0.371 min
Lab File: BG056523.D
Acq: 2 Feb 2023 20:56

Tgt Ion: 70 Resp: 21562
Ion Ratio Lower Upper
70 100
42 26.4 20.2 30.4
101 0.0 9.1 13.7#
130 2.8 21.1 31.7#

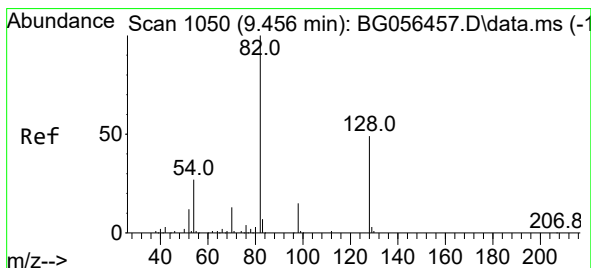
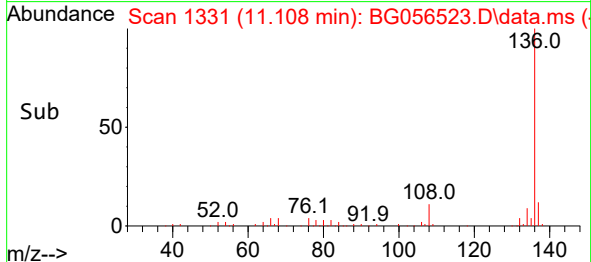
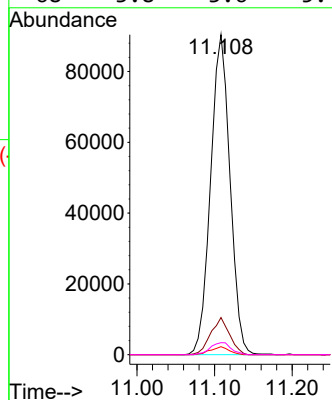
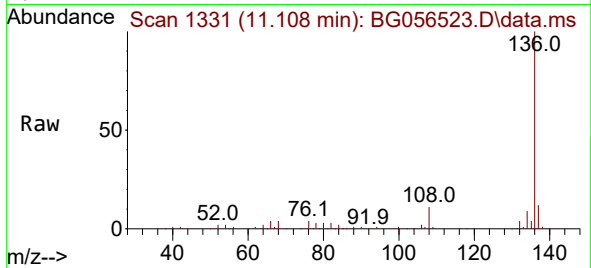




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.108 min Scan# 1110
Delta R.T. 0.001 min
Lab File: BG056523.D
Acq: 2 Feb 2023 20:56

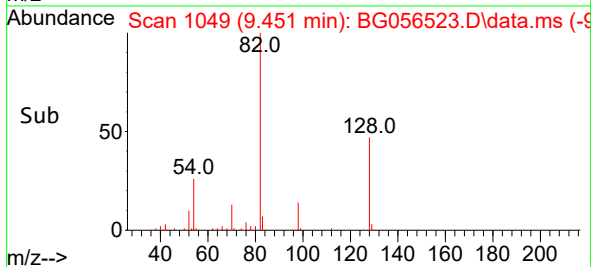
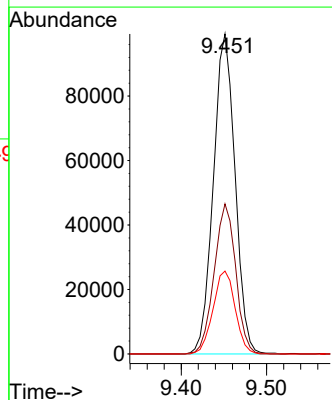
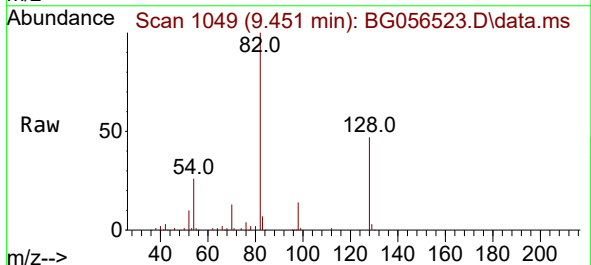
Instrument :
BNA_G
ClientSampleId :
B-07-SB01

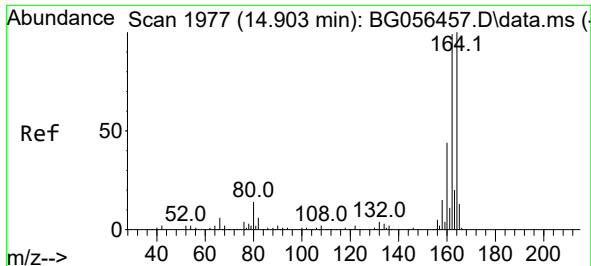
Tgt Ion:	136	Resp:	157503
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.4	14.0
54	2.5	2.2	3.4
68	3.8	3.6	5.4



#23
Nitrobenzene-d5
Concen: 63.325 ng
RT: 9.451 min Scan# 1049
Delta R.T. -0.005 min
Lab File: BG056523.D
Acq: 2 Feb 2023 20:56

Tgt Ion:	82	Resp:	175643
Ion Ratio	Lower	Upper	
82	100		
128	46.9	39.4	59.2
54	25.9	21.4	32.2

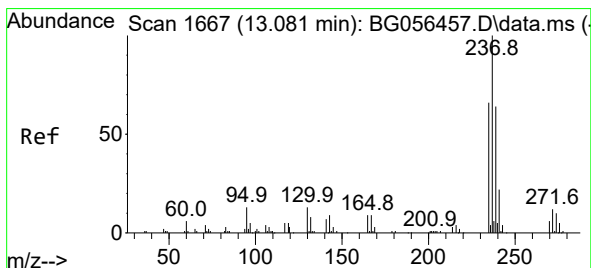
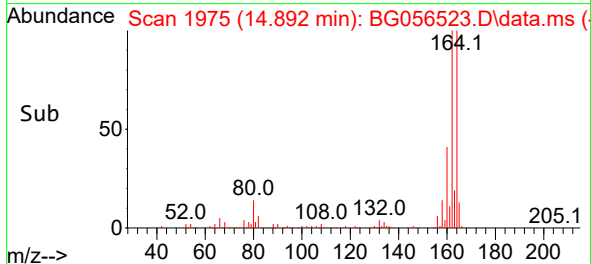
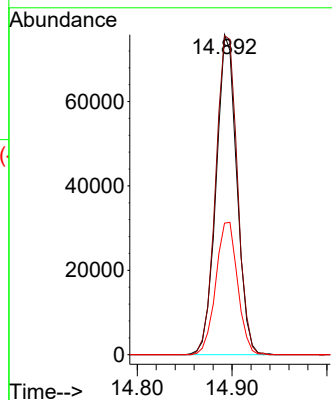
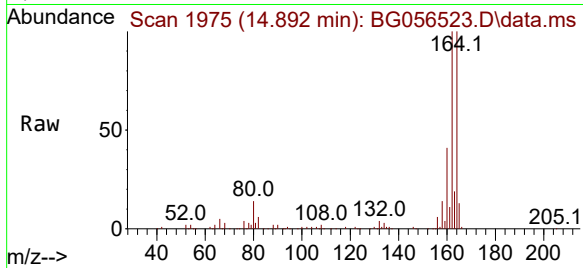




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.892 min Scan# 1975
Delta R.T. -0.005 min
Lab File: BG056523.D
Acq: 2 Feb 2023 20:56

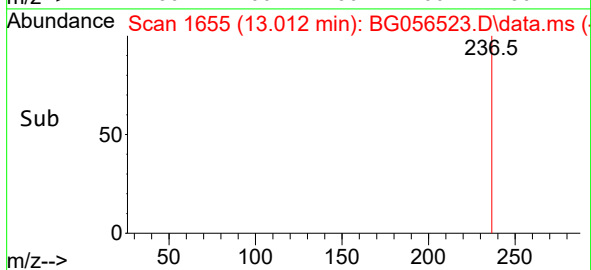
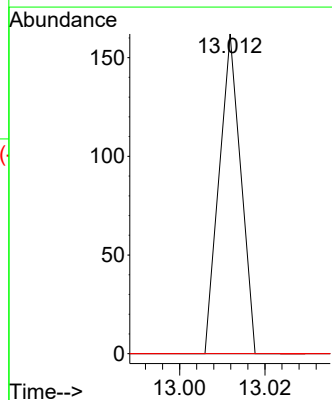
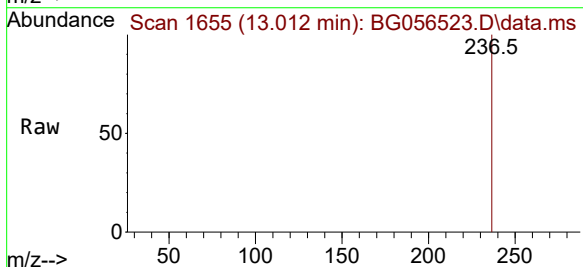
Instrument :
BNA_G
ClientSampleId :
B-07-SB01

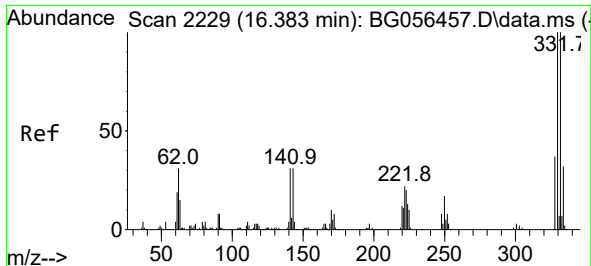
Tgt Ion:164 Resp: 115124
Ion Ratio Lower Upper
164 100
162 99.7 79.6 119.4
160 41.1 34.9 52.3



#41
Hexachlorocyclopentadiene
Concen: 6.395 ng
RT: 13.012 min Scan# 1655
Delta R.T. -0.070 min
Lab File: BG056523.D
Acq: 2 Feb 2023 20:56

Tgt Ion:237 Resp: 57
Ion Ratio Lower Upper
237 100
235 0.0 45.6 85.6#
272 0.0 0.0 32.3

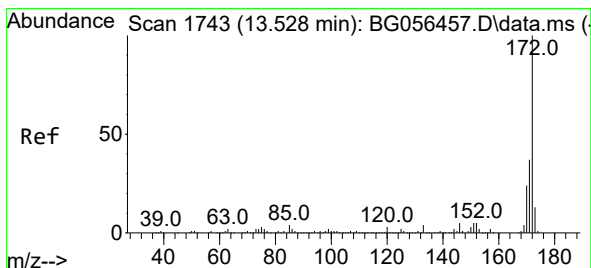
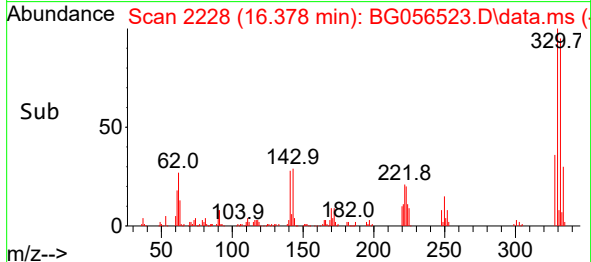
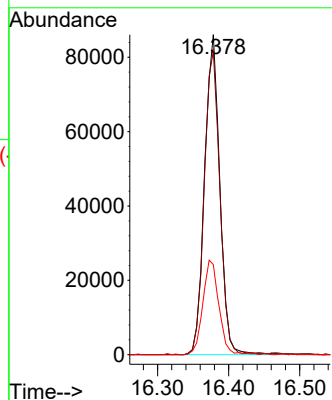
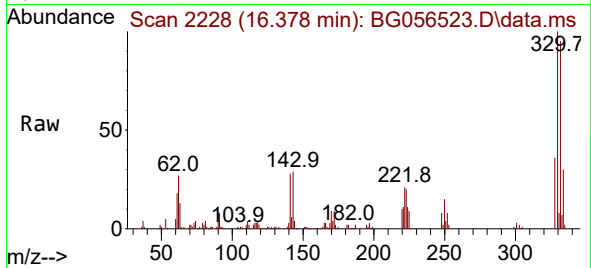




#42
 2,4,6-Tribromophenol
 Concen: 84.278 ng
 RT: 16.378 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG056523.D
 Acq: 2 Feb 2023 20:56

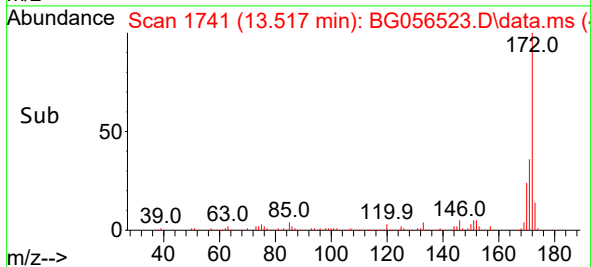
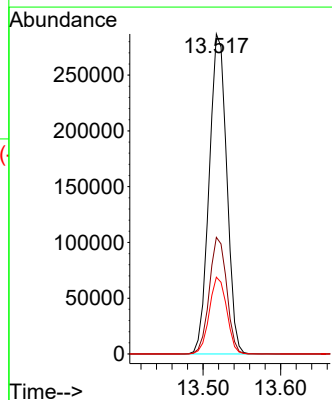
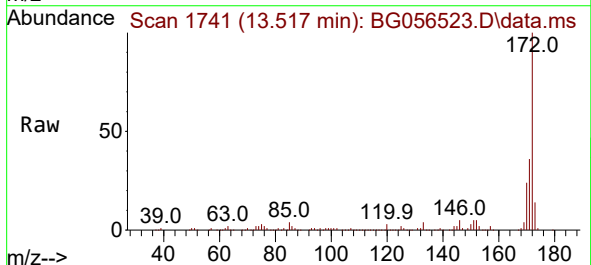
Instrument :
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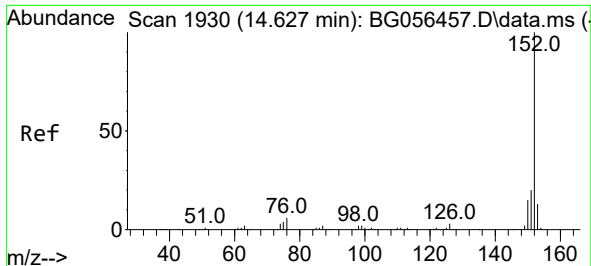
Tgt Ion:330 Resp: 128988
 Ion Ratio Lower Upper
 330 100
 332 96.7 79.0 118.6
 141 30.9 24.2 36.4



#45
 2-Fluorobiphenyl
 Concen: 54.204 ng
 RT: 13.517 min Scan# 1741
 Delta R.T. -0.005 min
 Lab File: BG056523.D
 Acq: 2 Feb 2023 20:56

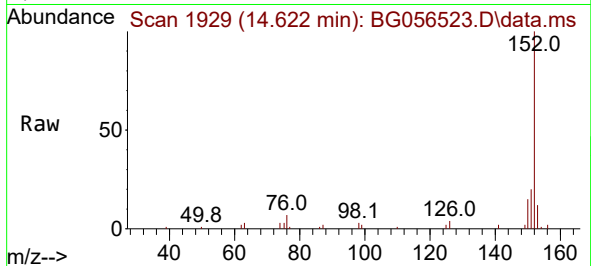
Tgt Ion:172 Resp: 450092
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.5 44.3
 170 24.0 19.2 28.8



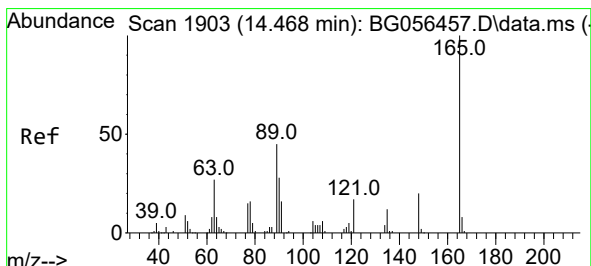
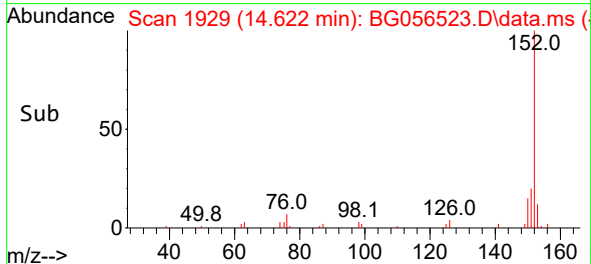
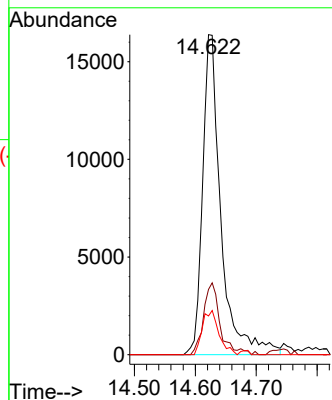


#49
Acenaphthylene
Concen: 3.226 ng
RT: 14.622 min Scan# 1930
Delta R.T. -0.005 min
Lab File: BG056523.D
Acq: 2 Feb 2023 20:56

Instrument :
BNA_G
ClientSampleId :
B-07-SB01

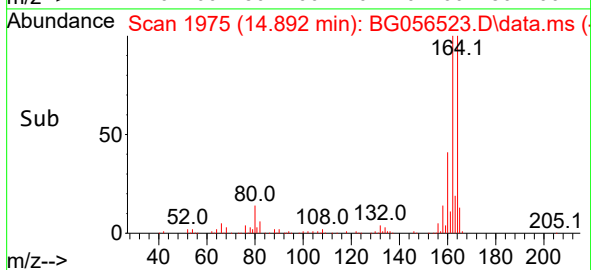
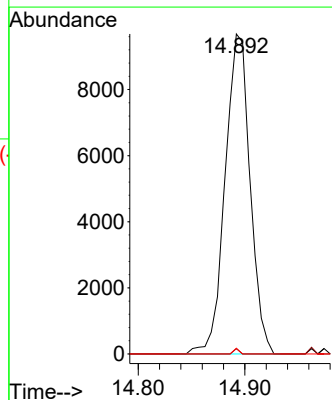
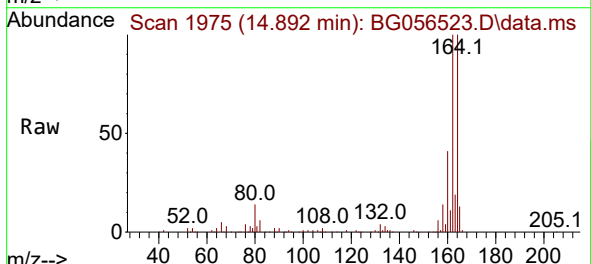


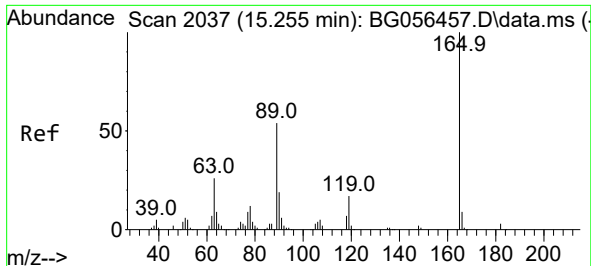
Tgt Ion:152 Resp: 34253
Ion Ratio Lower Upper
152 100
151 20.4 15.9 23.9
153 12.1 10.5 15.7



#51
2,6-Dinitrotoluene
Concen: 7.763 ng
RT: 14.892 min Scan# 1975
Delta R.T. 0.424 min
Lab File: BG056523.D
Acq: 2 Feb 2023 20:56

Tgt Ion:165 Resp: 15767
Ion Ratio Lower Upper
165 100
63 1.7 26.9 40.3#
89 1.8 35.6 53.4#





#57

2,4-Dinitrotoluene

Concen: 5.511 ng

RT: 14.892 min Scan# 14

Delta R.T. -0.358 min

Lab File: BG056523.D

Acq: 2 Feb 2023 20:56

Instrument :

BNA_G

ClientSampleId :

B-07-SB01

Tgt Ion:165 Resp: 15767

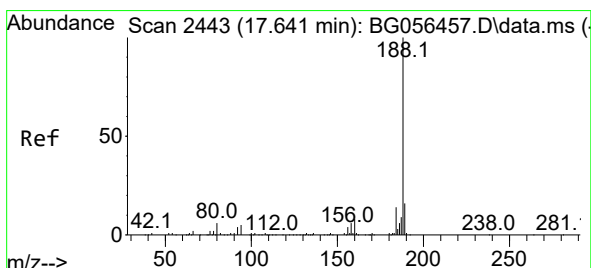
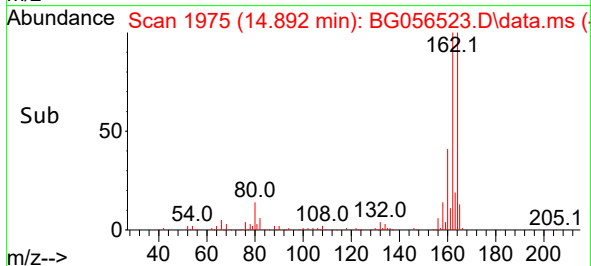
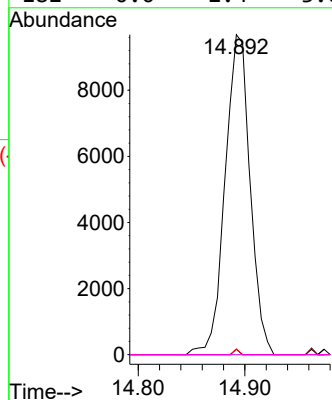
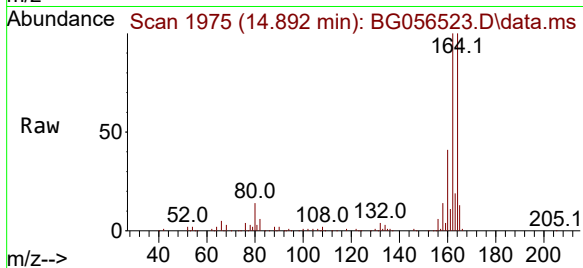
Ion Ratio Lower Upper

165 100

63 1.7 20.6 31.0#

89 1.8 43.1 64.7#

182 0.0 2.4 3.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.630 min Scan# 2441

Delta R.T. -0.005 min

Lab File: BG056523.D

Acq: 2 Feb 2023 20:56

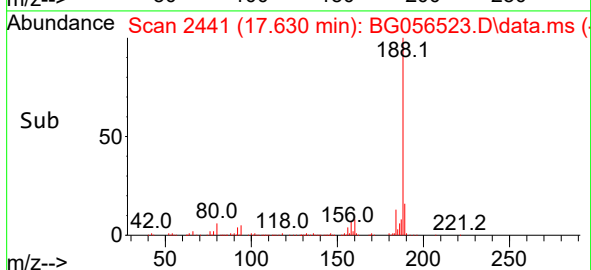
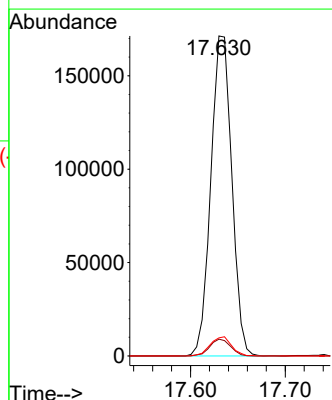
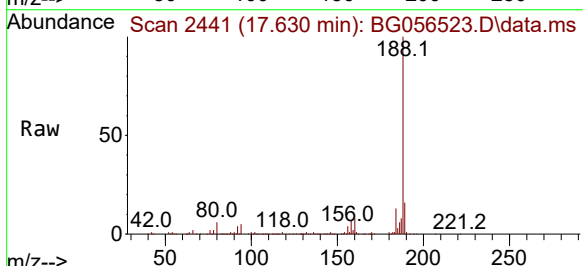
Tgt Ion:188 Resp: 263315

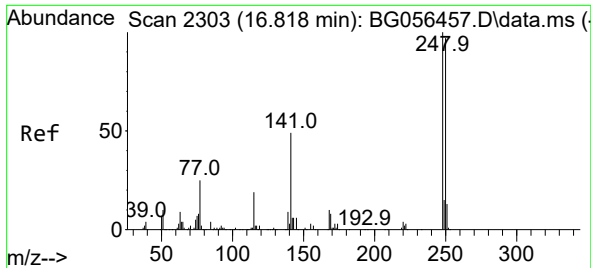
Ion Ratio Lower Upper

188 100

94 5.3 4.1 6.1

80 5.7 5.0 7.4

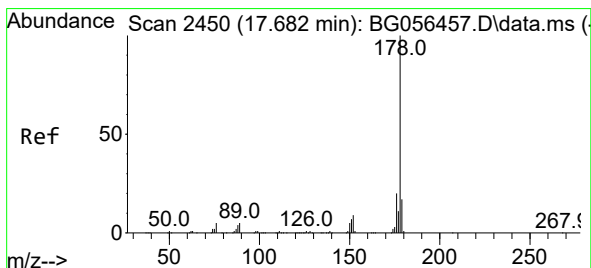
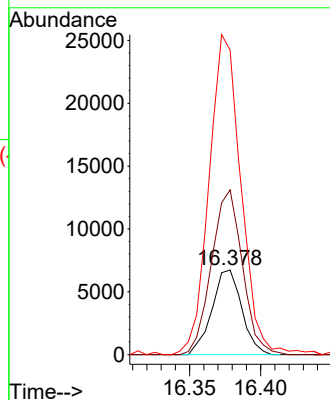
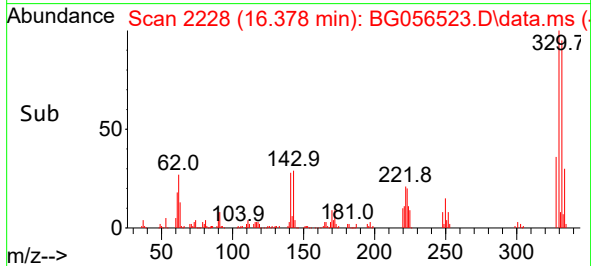
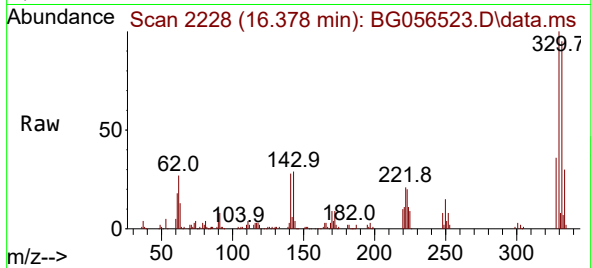




#67
4-Bromophenyl-phenylether
Concen: 2.920 ng
RT: 16.378 min Scan# 21
Delta R.T. -0.434 min
Lab File: BG056523.D
Acq: 2 Feb 2023 20:56

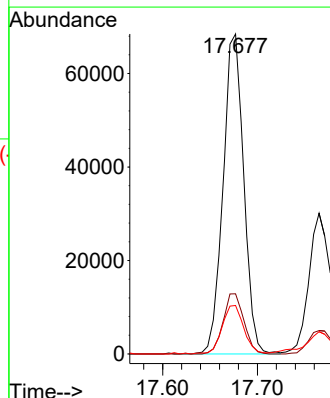
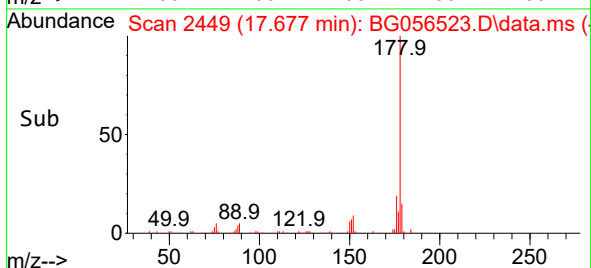
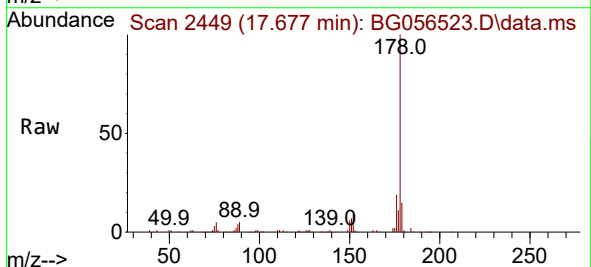
Instrument :
BNA_G
ClientSampleId :
B-07-SB01

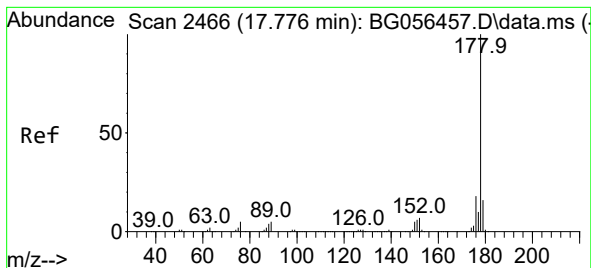
Tgt Ion:248 Resp: 9844
Ion Ratio Lower Upper
248 100
250 247.3 77.6 116.4#
141 359.7 39.0 58.4#



#71
Phenanthrene
Concen: 7.528 ng
RT: 17.677 min Scan# 2449
Delta R.T. 0.001 min
Lab File: BG056523.D
Acq: 2 Feb 2023 20:56

Tgt Ion:178 Resp: 103751
Ion Ratio Lower Upper
178 100
176 18.8 15.6 23.4
179 15.1 13.3 19.9





#72

Anthracene

Concen: 3.454 ng

RT: 17.765 min Scan# 2466

Delta R.T. -0.005 min

Lab File: BG056523.D

Acq: 2 Feb 2023 20:56

Instrument :

BNA_G

ClientSampleId :

B-07-SB01

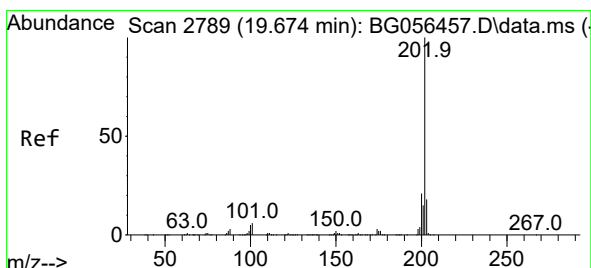
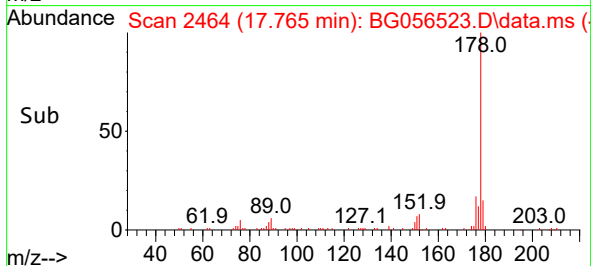
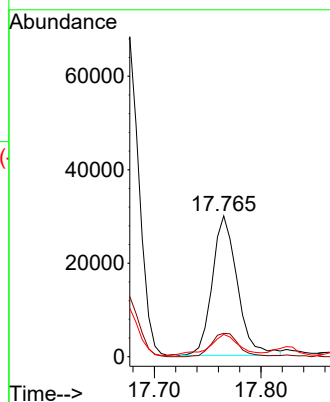
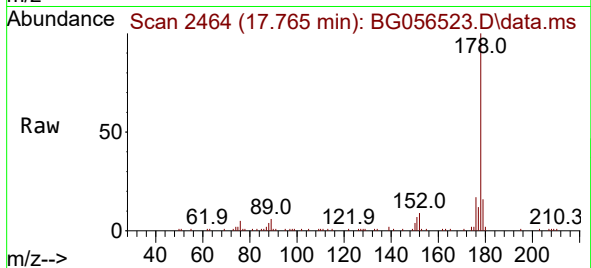
Tgt Ion:178 Resp: 48863

Ion Ratio Lower Upper

178 100

176 16.6 14.5 21.7

179 15.8 12.5 18.7



#75

Fluoranthene

Concen: 27.775 ng

RT: 19.669 min Scan# 2788

Delta R.T. 0.001 min

Lab File: BG056523.D

Acq: 2 Feb 2023 20:56

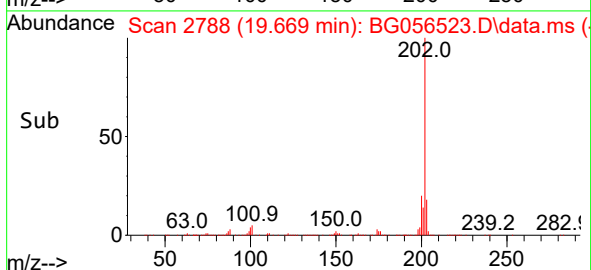
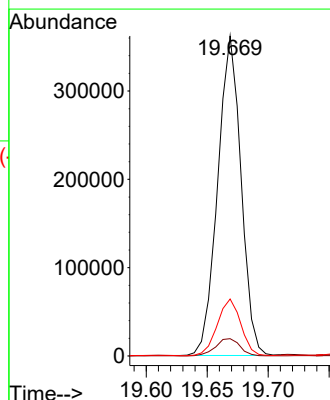
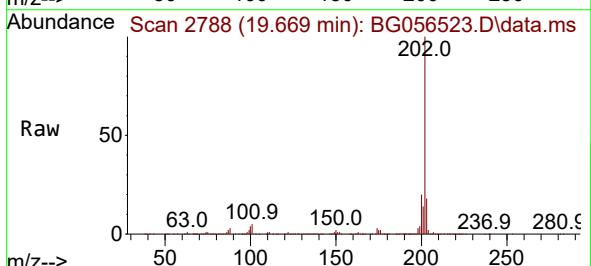
Tgt Ion:202 Resp: 483111

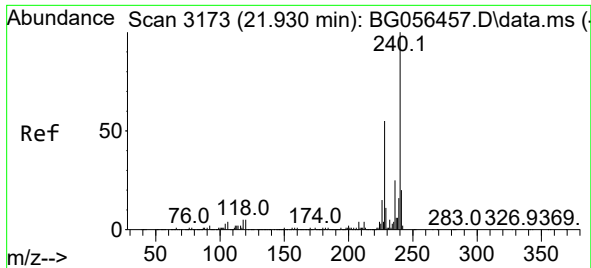
Ion Ratio Lower Upper

202 100

101 5.4 0.0 25.6

203 17.8 0.0 38.1

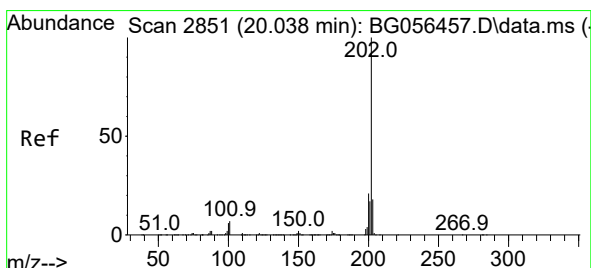
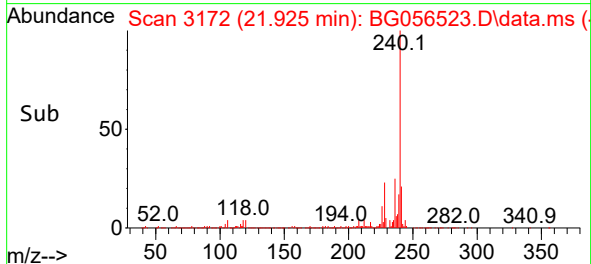
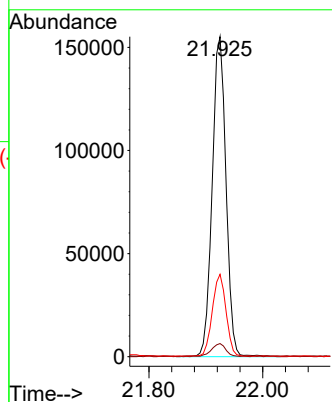
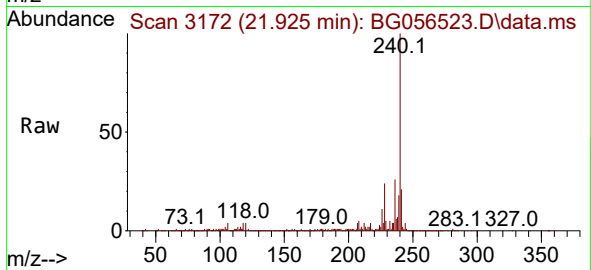




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.925 min Scan# 3172
Delta R.T. 0.001 min
Lab File: BG056523.D
Acq: 2 Feb 2023 20:56

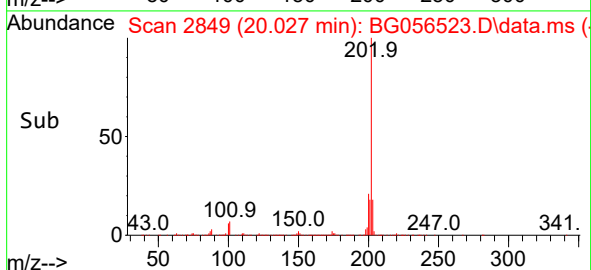
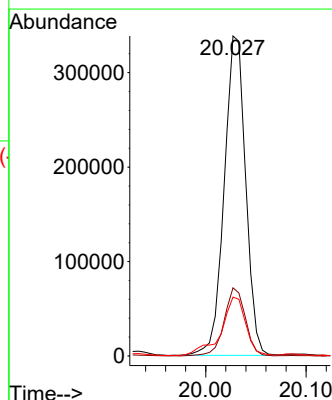
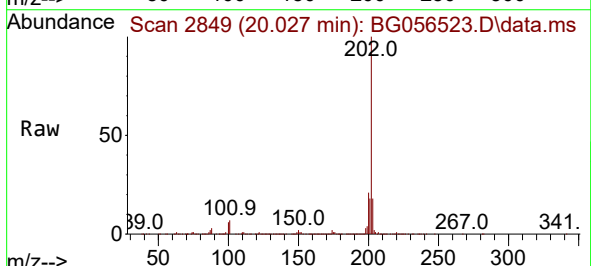
Instrument :
BNA_G
ClientSampleId :
B-07-SB01

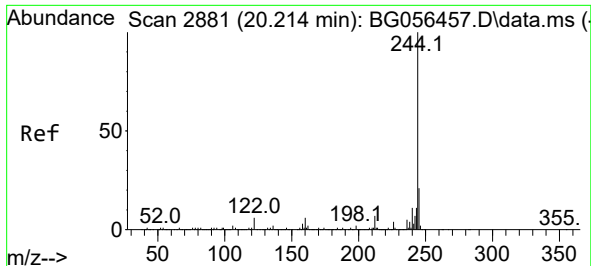
Tgt Ion:240 Resp: 260894
Ion Ratio Lower Upper
240 100
120 4.1 3.8 5.8
236 25.7 20.2 30.2



#78
Pyrene
Concen: 27.033 ng
RT: 20.027 min Scan# 2849
Delta R.T. -0.005 min
Lab File: BG056523.D
Acq: 2 Feb 2023 20:56

Tgt Ion:202 Resp: 501606
Ion Ratio Lower Upper
202 100
200 21.3 16.7 25.1
203 18.4 14.4 21.6

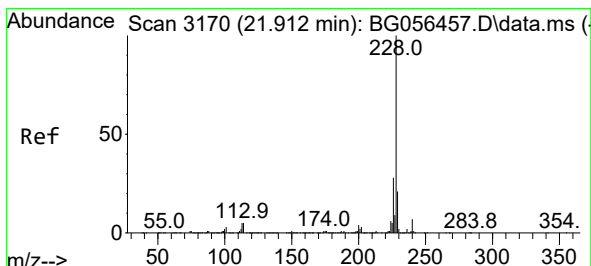
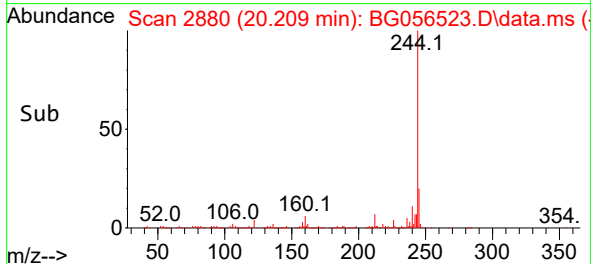
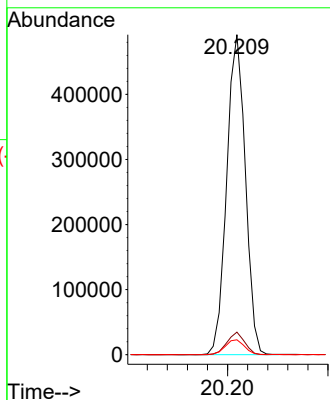
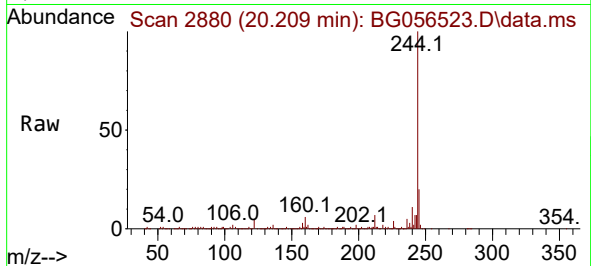




#79
 Terphenyl-d14
 Concen: 42.572 ng
 RT: 20.209 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG056523.D
 Acq: 2 Feb 2023 20:56

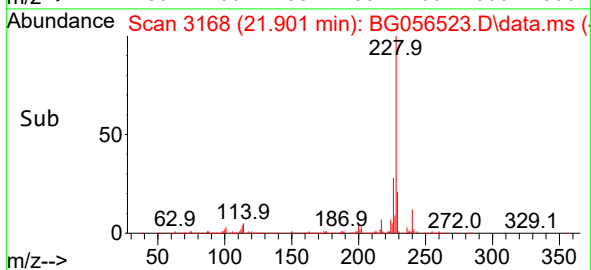
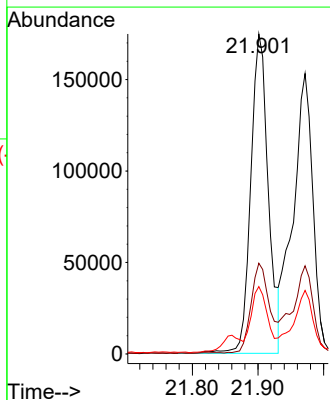
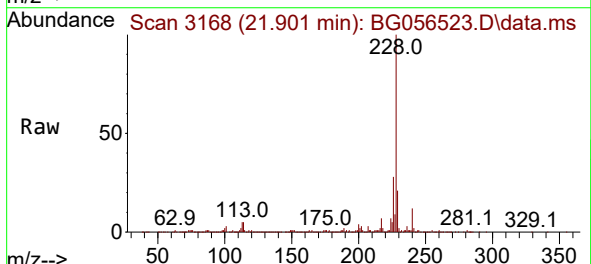
Instrument :
 BNA_G
 ClientSampleId :
 B-07-SB01

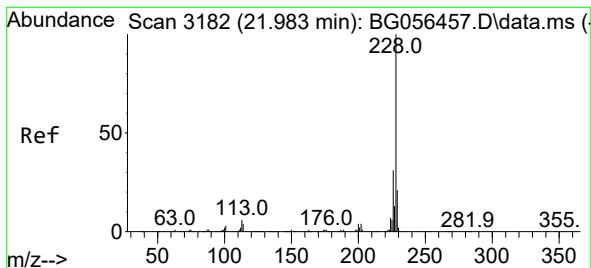
Tgt Ion:244 Resp: 632367
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.5 8.3
 122 4.7 4.4 6.6



#81
 Benzo(a)anthracene
 Concen: 17.739 ng
 RT: 21.901 min Scan# 3168
 Delta R.T. 0.001 min
 Lab File: BG056523.D
 Acq: 2 Feb 2023 20:56

Tgt Ion:228 Resp: 323547
 Ion Ratio Lower Upper
 228 100
 226 28.4 22.4 33.6
 229 21.0 16.5 24.7





#83

Chrysene

Concen: 18.781 ng

RT: 21.972 min Scan# 31

Delta R.T. -0.005 min

Lab File: BG056523.D

Acq: 2 Feb 2023 20:56

Instrument :

BNA_G

ClientSampleId :

B-07-SB01

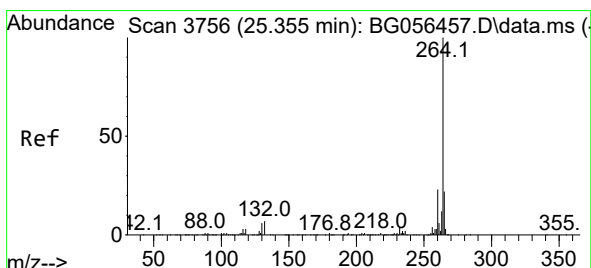
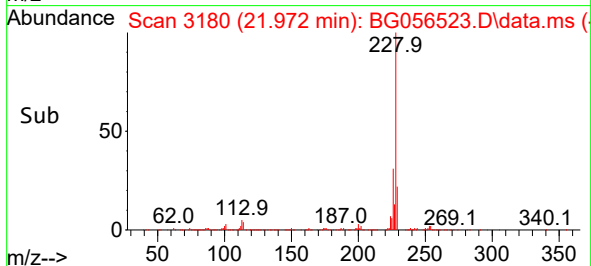
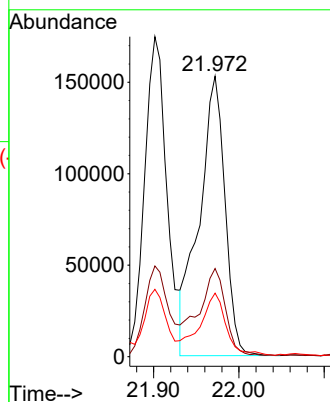
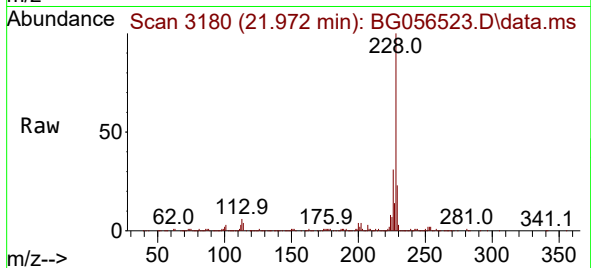
Tgt Ion:228 Resp: 321825

Ion Ratio Lower Upper

228 100

226 31.4 25.0 37.4

229 22.6 16.4 24.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.344 min Scan# 3754

Delta R.T. 0.001 min

Lab File: BG056523.D

Acq: 2 Feb 2023 20:56

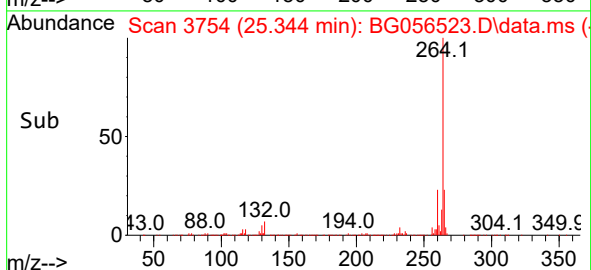
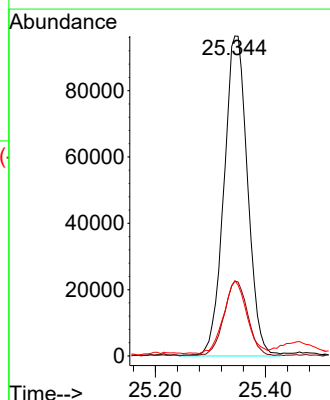
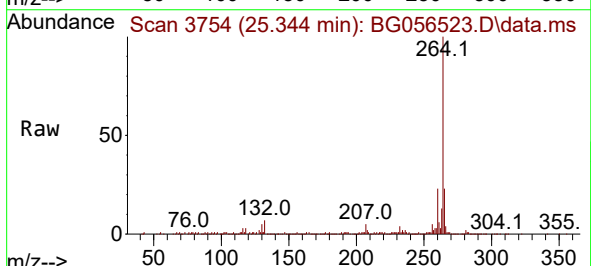
Tgt Ion:264 Resp: 287279

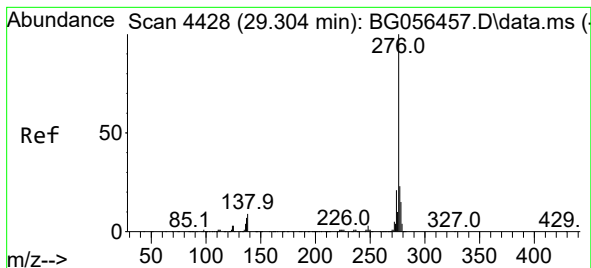
Ion Ratio Lower Upper

264 100

260 23.4 18.2 27.4

265 23.5 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.322 ng

RT: 29.287 min Scan# 4428

Delta R.T. 0.007 min

Lab File: BG056523.D

Acq: 2 Feb 2023 20:56

Instrument :

BNA_G

ClientSampleId :

B-07-SB01

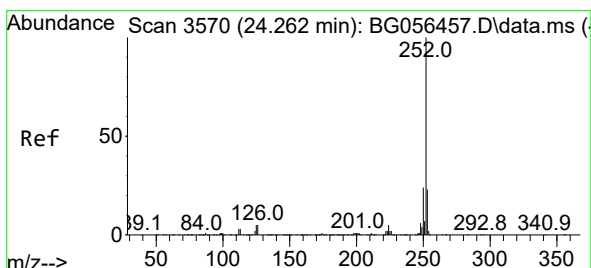
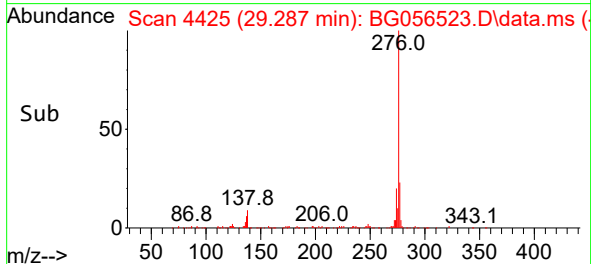
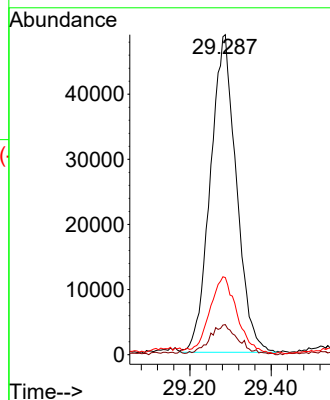
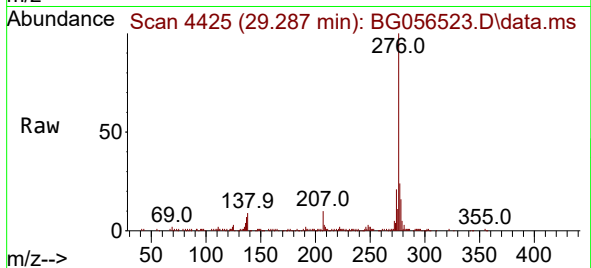
Tgt Ion:276 Resp: 217054

Ion Ratio Lower Upper

276 100

138 10.6 9.4 14.2

277 25.4 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 30.442 ng

RT: 24.252 min Scan# 3568

Delta R.T. 0.001 min

Lab File: BG056523.D

Acq: 2 Feb 2023 20:56

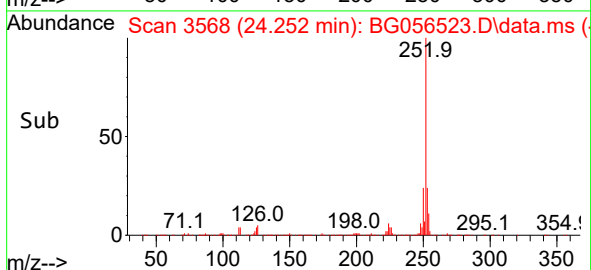
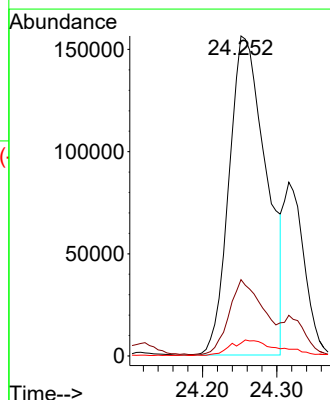
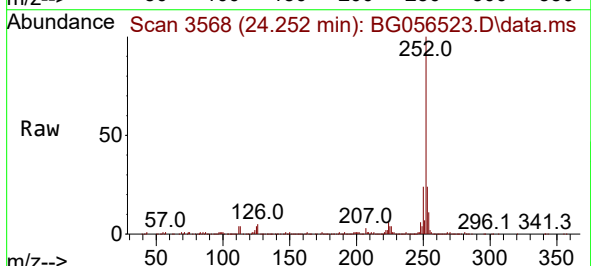
Tgt Ion:252 Resp: 542818

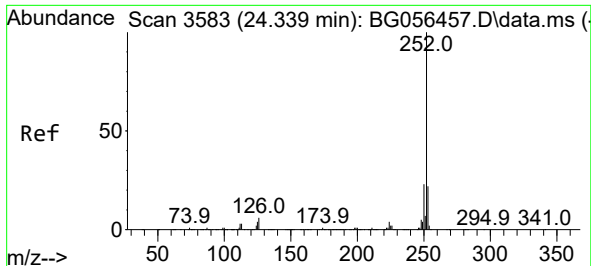
Ion Ratio Lower Upper

252 100

253 23.8 18.1 27.1

125 4.0 3.9 5.9

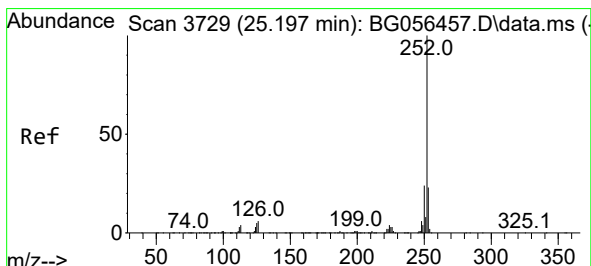
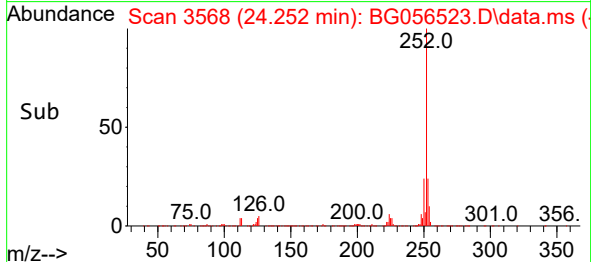
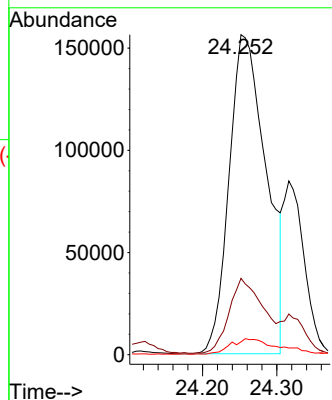
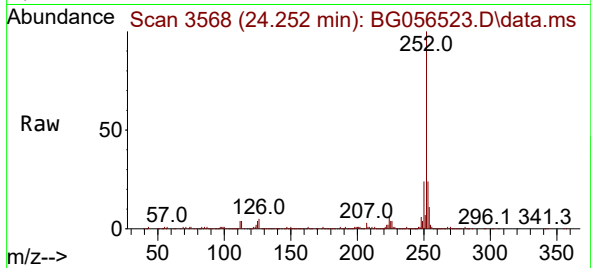




#89
Benzo(k)fluoranthene
Concen: 30.152 ng
RT: 24.252 min Scan# 3568
Delta R.T. -0.070 min
Lab File: BG056523.D
Acq: 2 Feb 2023 20:56

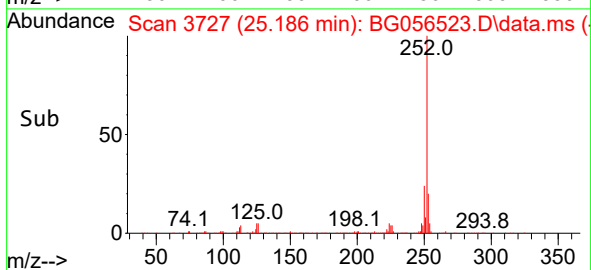
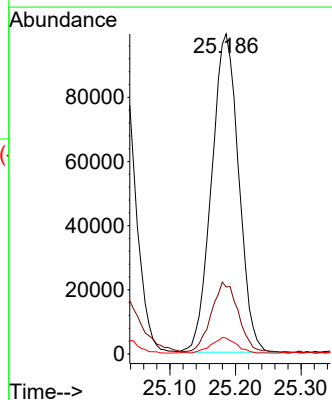
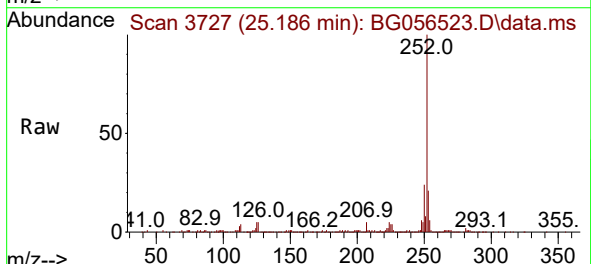
Instrument :
BNA_G
ClientSampleId :
B-07-SB01

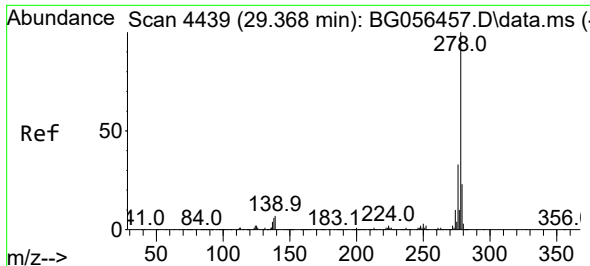
Tgt Ion:252 Resp: 542818
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 4.0 3.4 5.0



#90
Benzo(a)pyrene
Concen: 16.157 ng
RT: 25.186 min Scan# 3727
Delta R.T. 0.001 min
Lab File: BG056523.D
Acq: 2 Feb 2023 20:56

Tgt Ion:252 Resp: 283799
Ion Ratio Lower Upper
252 100
253 21.0 18.4 27.6
125 5.0 4.1 6.1

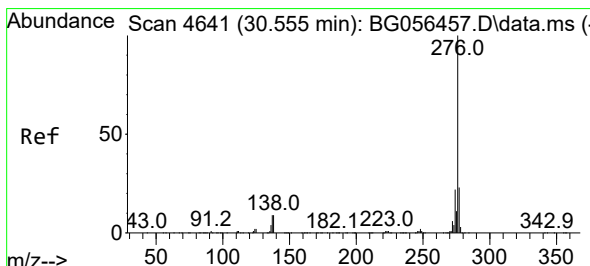
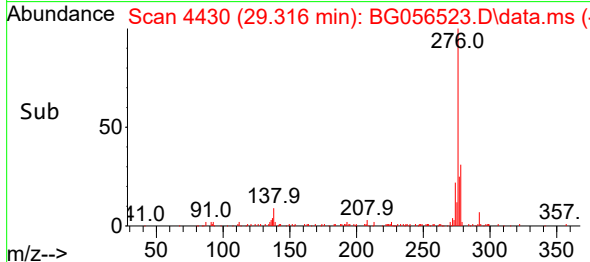
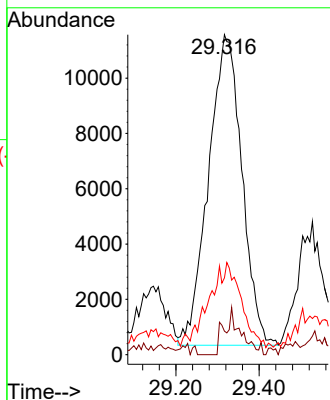
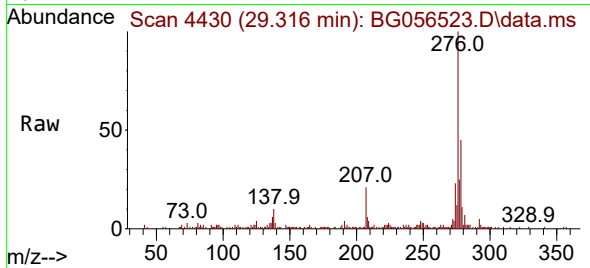




#91
 Dibenzo(a,h)anthracene
 Concen: 3.552 ng
 RT: 29.316 min Scan# 4439
 Delta R.T. -0.029 min
 Lab File: BG056523.D
 Acq: 2 Feb 2023 20:56

Instrument :
 BNA_G
 ClientSampleId :
 B-07-SB01

Tgt Ion:278 Resp: 62696
 Ion Ratio Lower Upper
 278 100
 139 7.3 5.5 8.3
 279 24.0 18.8 28.2



#92
 Benzo(g,h,i)perylene
 Concen: 11.095 ng
 RT: 30.521 min Scan# 4635
 Delta R.T. -0.005 min
 Lab File: BG056523.D
 Acq: 2 Feb 2023 20:56

Tgt Ion:276 Resp: 188969
 Ion Ratio Lower Upper
 276 100
 277 24.6 18.5 27.7
 138 8.5 7.4 11.0

