

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040523\
 Data File : BG057005.D
 Acq On : 6 Apr 2023 00:48
 Operator : CG/JU
 Sample : 02126-02 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RS-B

Quant Time: Apr 06 03:00:53 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 01:57:04 2023
 Response via : Initial Calibration

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

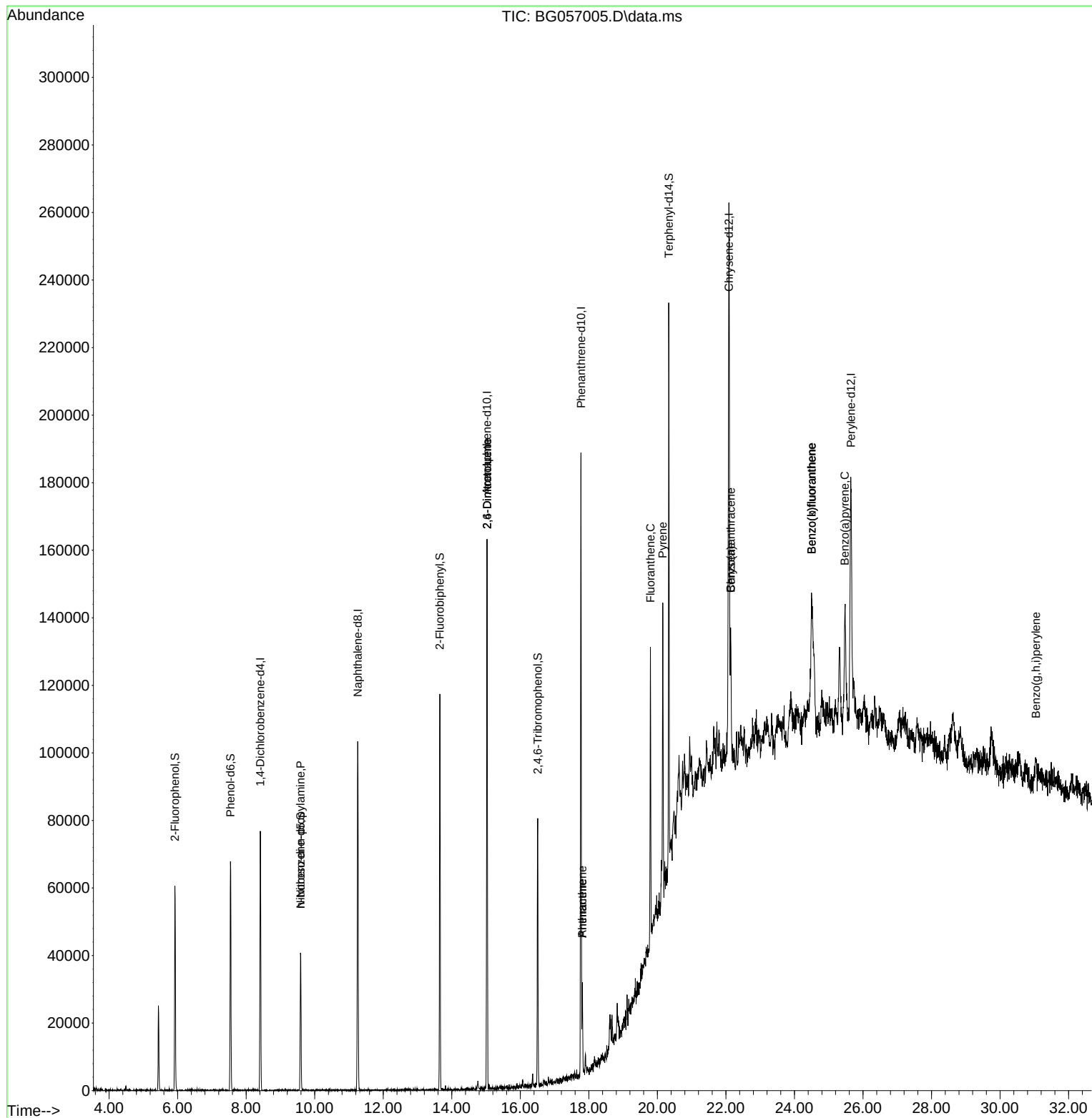
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.413	152	21582	20.000	ng	0.00
21) Naphthalene-d8	11.256	136	86921	20.000	ng	# 0.00
39) Acenaphthene-d10	15.028	164	57838	20.000	ng	0.00
64) Phenanthrene-d10	17.771	188	118217	20.000	ng	0.00
76) Chrysene-d12	22.089	240	99692	20.000	ng	0.00
86) Perylene-d12	25.649	264	99716	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.922	112	26426	19.597	ng	0.00
7) Phenol-d6	7.544	99	39329	19.500	ng	0.00
23) Nitrobenzene-d5	9.588	82	26037	12.257	ng	0.00
42) 2,4,6-Tribromophenol	16.508	330	16855	18.242	ng	0.00
45) 2-Fluorobiphenyl	13.653	172	58679	13.757	ng	0.00
79) Terphenyl-d14	20.332	244	78237	13.280	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.588	70	3628	2.515	ng	# 79
51) 2,6-Dinitrotoluene	15.034	165	7653	7.772	ng	# 18
57) 2,4-Dinitrotoluene	15.034	165	7653	5.511	ng	# 18
71) Phenanthrene	17.812	178	16132	2.677	ng	95
72) Anthracene	17.812	178	16132	2.611	ng	96
75) Fluoranthene	19.798	202	52468	6.867	ng	99
78) Pyrene	20.156	202	54421	7.893	ng	97
81) Benzo(a)anthracene	22.142	228	31506	4.567	ng	94
83) Chrysene	22.142	228	31506	4.878	ng	96
88) Benzo(b)fluoranthene	24.503	252	53343	8.555	ng	# 88
89) Benzo(k)fluoranthene	24.503	252	53343	8.569	ng	# 85
90) Benzo(a)pyrene	25.472	252	43710	7.133	ng	# 93
92) Benzo(g,h,i)perylene	31.047	276	19264	3.248	ng	# 89

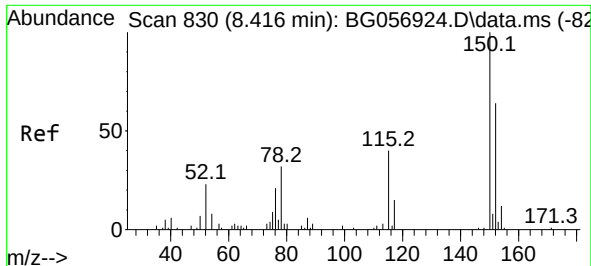
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 06 01:57:04 2023
Response via : Initial Calibration

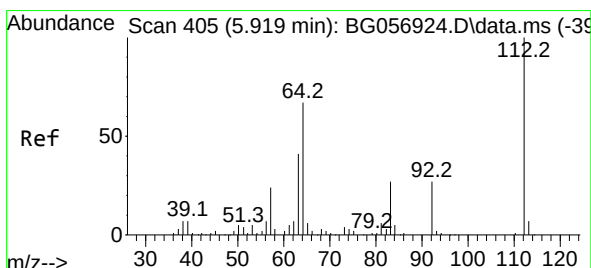
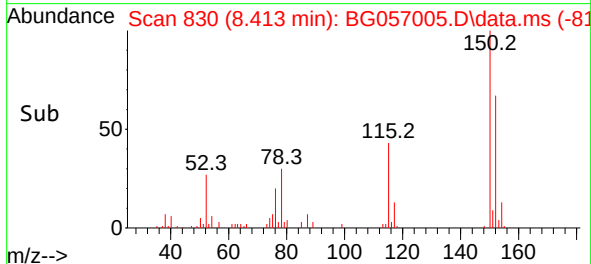
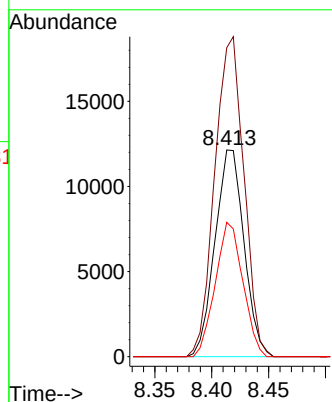
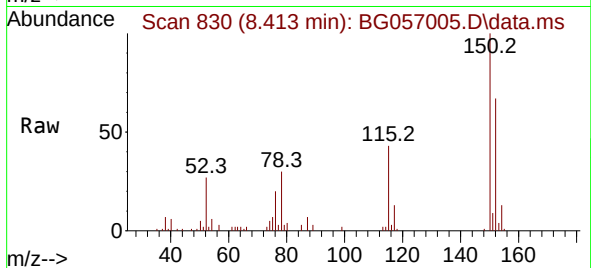




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.413 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG057005.D
Acq: 6 Apr 2023 00:48

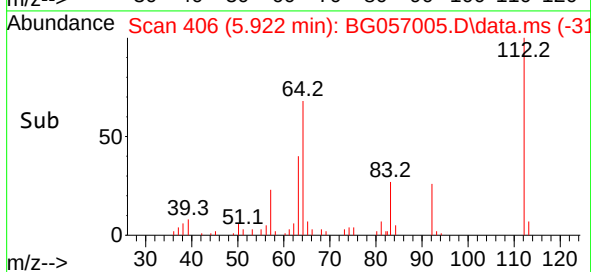
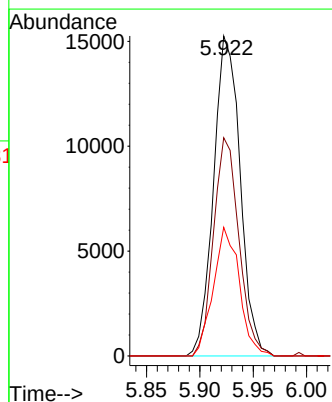
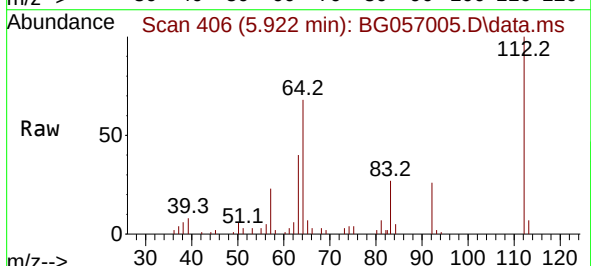
Instrument :
BNA_G
ClientSampleId :
RS-B

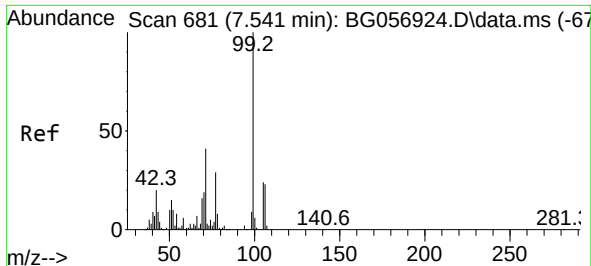
Tgt Ion:152 Resp: 21582
Ion Ratio Lower Upper
152 100
150 149.4 124.1 186.1
115 65.0 49.1 73.7



#5
2-Fluorophenol
Concen: 19.597 ng
RT: 5.922 min Scan# 406
Delta R.T. -0.001 min
Lab File: BG057005.D
Acq: 6 Apr 2023 00:48

Tgt Ion:112 Resp: 26426
Ion Ratio Lower Upper
112 100
64 68.2 53.2 79.8
63 40.2 32.6 48.8

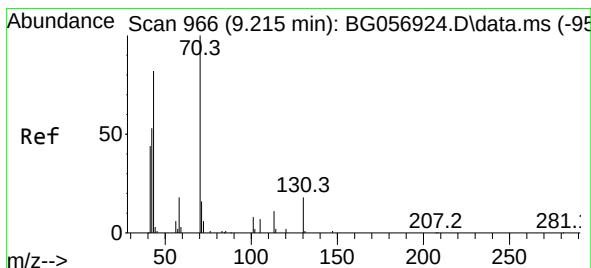
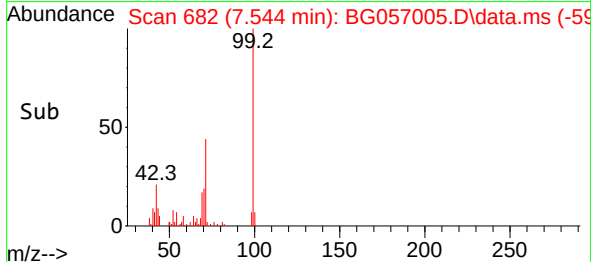
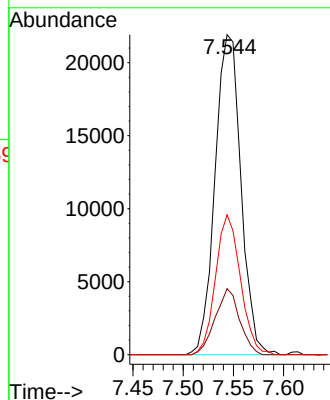
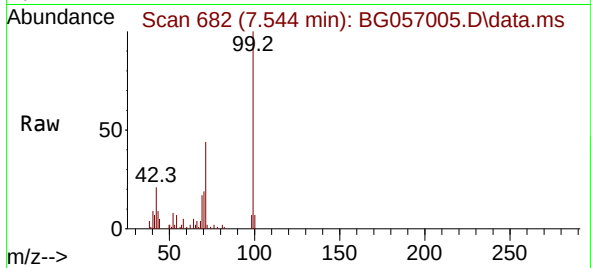




#7
Phenol-d6
Concen: 19.500 ng
RT: 7.544 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG057005.D
Acq: 6 Apr 2023 00:48

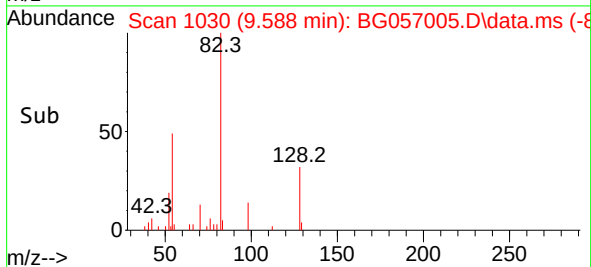
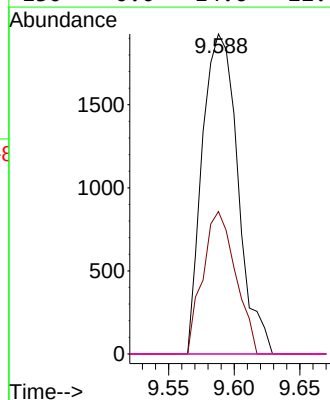
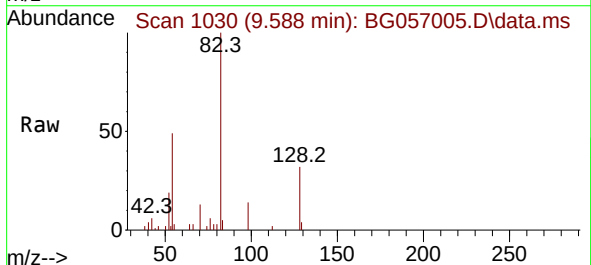
Instrument :
BNA_G
ClientSampleId :
RS-B

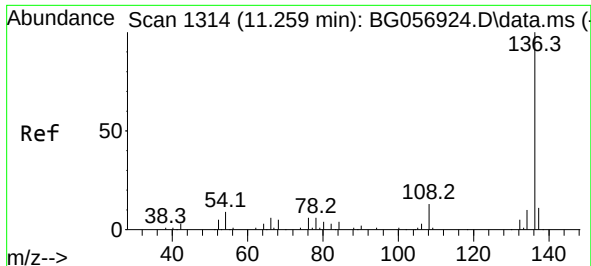
Tgt Ion: 99 Resp: 39329
Ion Ratio Lower Upper
99 100
42 20.7 15.7 23.5
71 43.7 32.5 48.7



#19
n-Nitroso-di-n-propylamine
Concen: 2.515 ng
RT: 9.588 min Scan# 1030
Delta R.T. 0.369 min
Lab File: BG057005.D
Acq: 6 Apr 2023 00:48

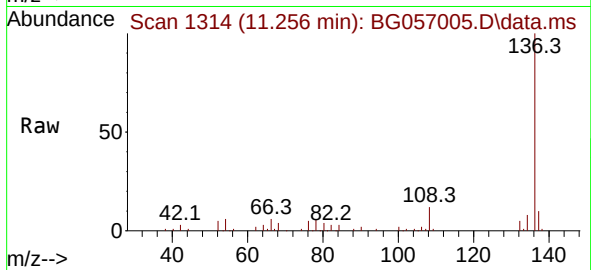
Tgt Ion: 70 Resp: 3628
Ion Ratio Lower Upper
70 100
42 44.5 43.4 65.0
101 0.0 6.2 9.2#
130 0.0 14.6 22.0#



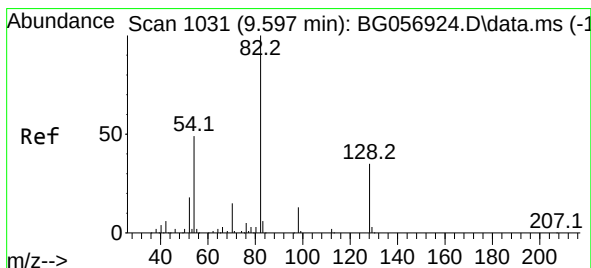
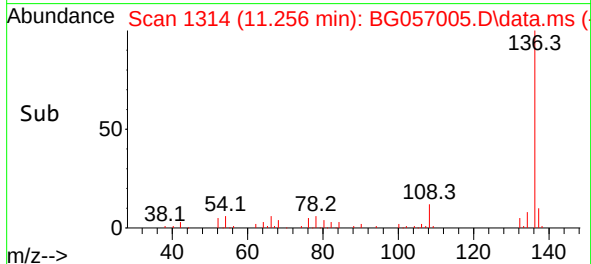
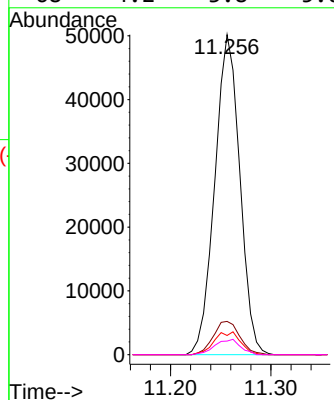


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.256 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG057005.D
Acq: 6 Apr 2023 00:48

Instrument :
BNA_G
ClientSampleId :
RS-B

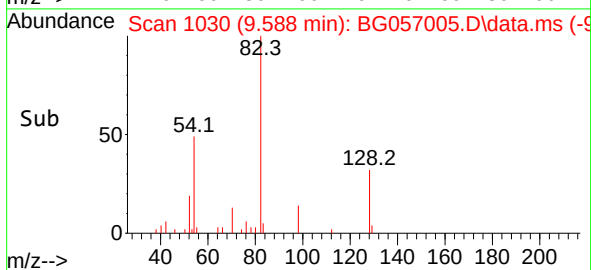
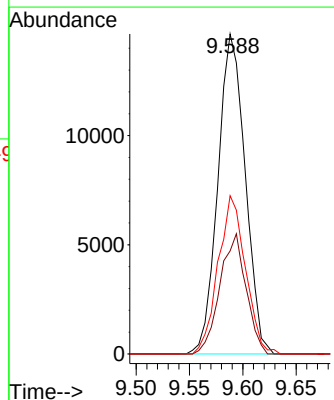
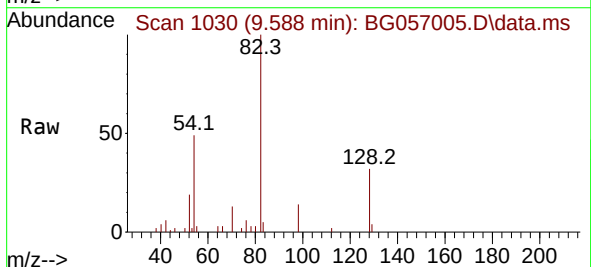


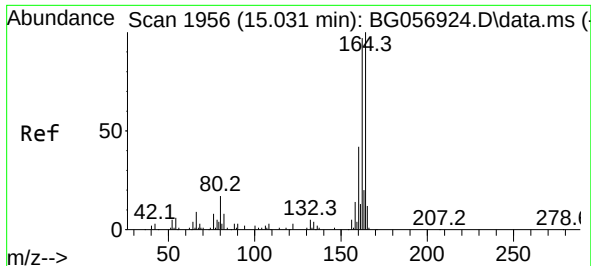
Tgt Ion:136 Resp: 86921
Ion Ratio Lower Upper
136 100
137 10.4 8.6 13.0
54 6.0 6.9 10.3#
68 4.2 3.8 5.6



#23
Nitrobenzene-d5
Concen: 12.257 ng
RT: 9.588 min Scan# 1030
Delta R.T. -0.007 min
Lab File: BG057005.D
Acq: 6 Apr 2023 00:48

Tgt Ion: 82 Resp: 26037
Ion Ratio Lower Upper
82 100
128 32.2 27.9 41.9
54 49.5 39.4 59.2

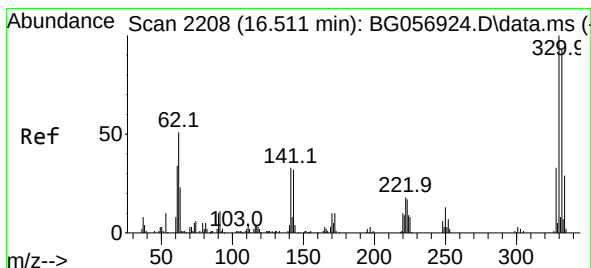
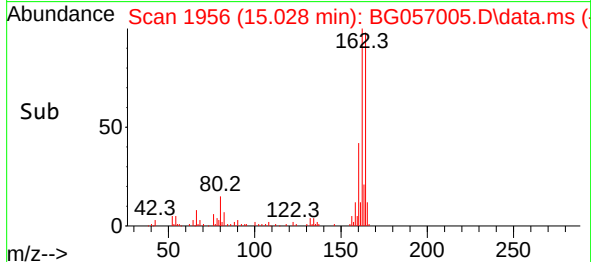
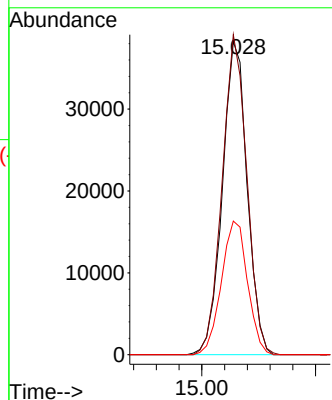
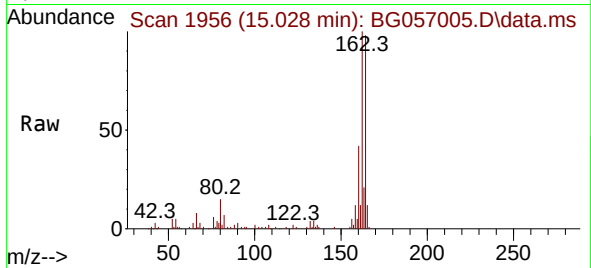




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.028 min Scan# 1956
Delta R.T. -0.007 min
Lab File: BG057005.D
Acq: 6 Apr 2023 00:48

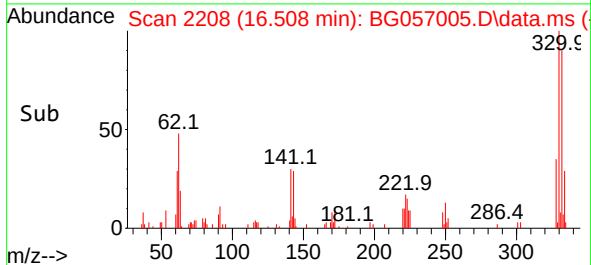
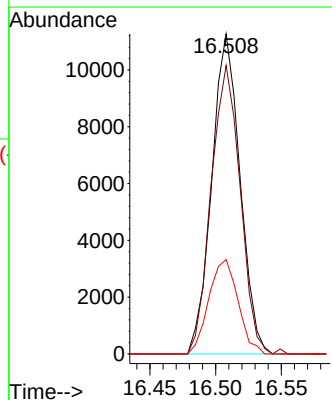
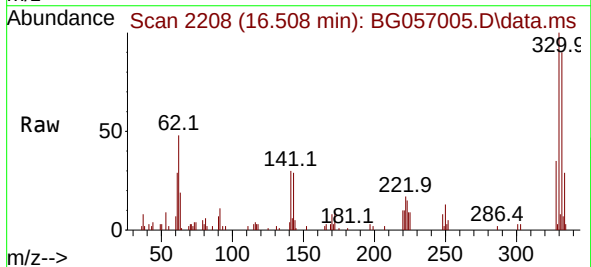
Instrument :
BNA_G
ClientSampleId :
RS-B

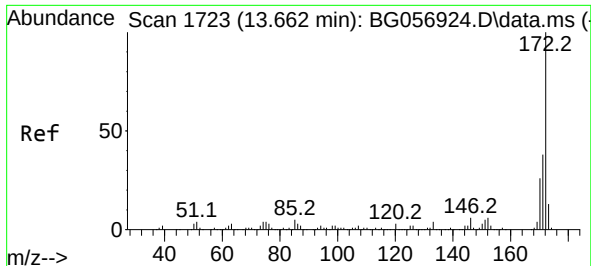
Tgt Ion:164 Resp: 57838
Ion Ratio Lower Upper
164 100
162 102.2 77.8 116.8
160 42.7 33.5 50.3



#42
2,4,6-Tribromophenol
Concen: 18.242 ng
RT: 16.508 min Scan# 2208
Delta R.T. -0.001 min
Lab File: BG057005.D
Acq: 6 Apr 2023 00:48

Tgt Ion:330 Resp: 16855
Ion Ratio Lower Upper
330 100
332 92.7 76.1 114.1
141 30.5 25.8 38.6

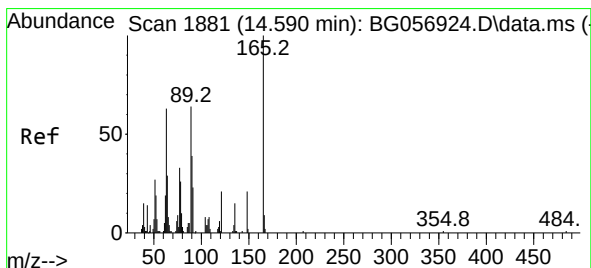
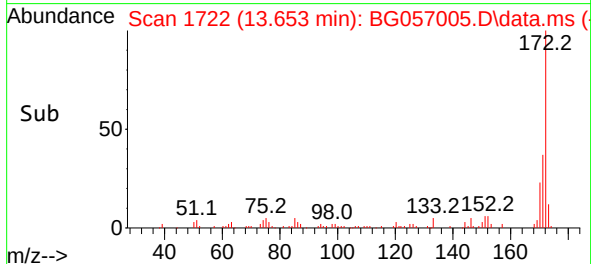
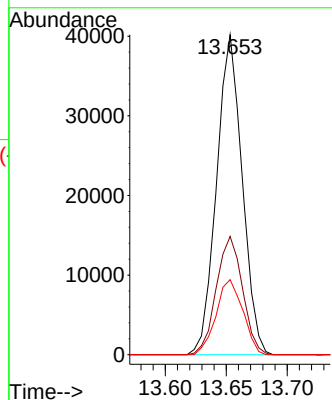
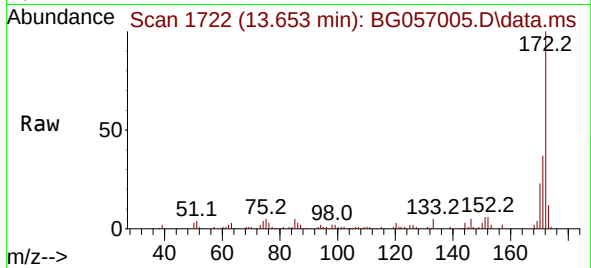




#45
2-Fluorobiphenyl
Concen: 13.757 ng
RT: 13.653 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG057005.D
Acq: 6 Apr 2023 00:48

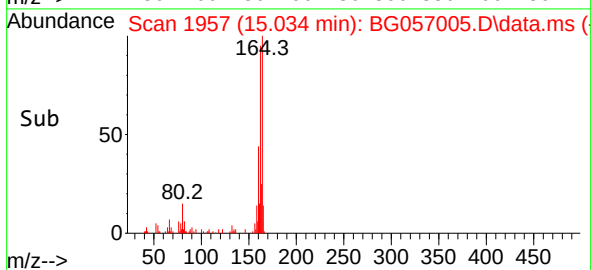
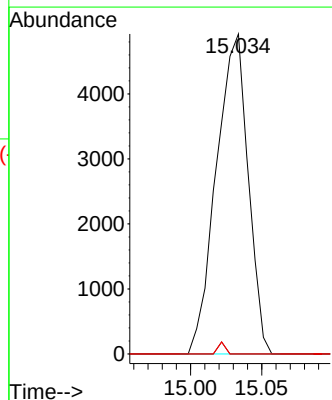
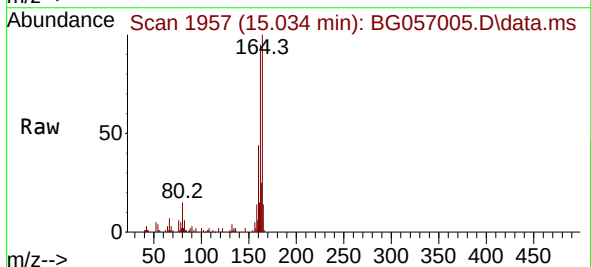
Instrument :
BNA_G
ClientSampleId :
RS-B

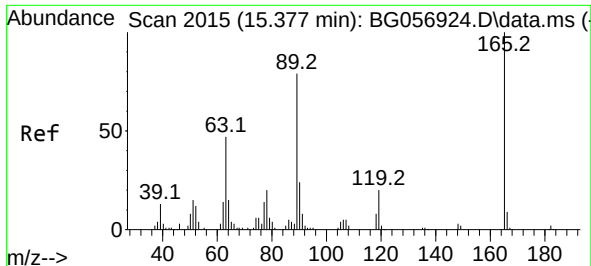
Tgt Ion:172 Resp: 58679
Ion Ratio Lower Upper
172 100
171 36.9 30.6 46.0
170 23.5 20.6 30.8



#51
2,6-Dinitrotoluene
Concen: 7.772 ng
RT: 15.034 min Scan# 1957
Delta R.T. 0.440 min
Lab File: BG057005.D
Acq: 6 Apr 2023 00:48

Tgt Ion:165 Resp: 7653
Ion Ratio Lower Upper
165 100
63 0.0 53.0 79.6#
89 0.0 51.0 76.4#





#57

2,4-Dinitrotoluene

Concen: 5.511 ng

RT: 15.034 min Scan# 1957

Delta R.T. -0.341 min

Lab File: BG057005.D

Acq: 6 Apr 2023 00:48

Instrument :

BNA_G

ClientSampleId :

RS-B

Tgt Ion:165 Resp: 7653

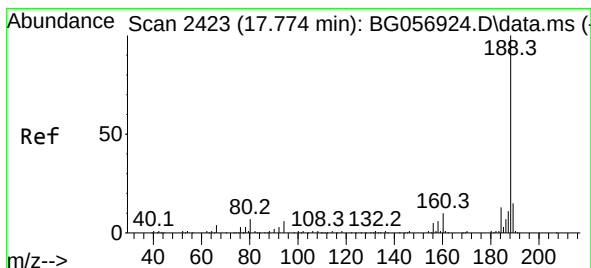
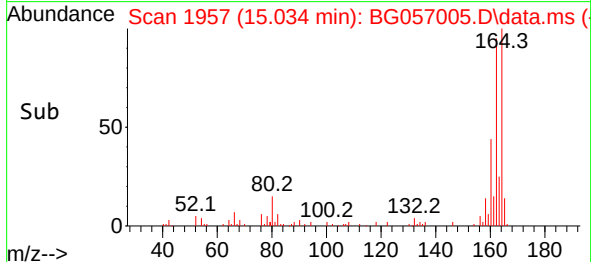
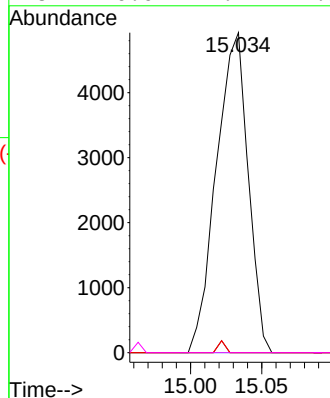
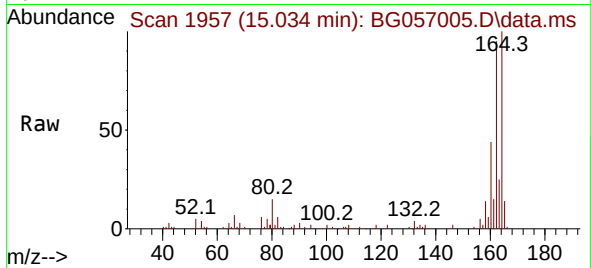
Ion Ratio Lower Upper

165 100

63 0.0 37.7 56.5#

89 0.0 63.2 94.8#

182 0.0 1.7 2.5#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.771 min Scan# 2423

Delta R.T. 0.005 min

Lab File: BG057005.D

Acq: 6 Apr 2023 00:48

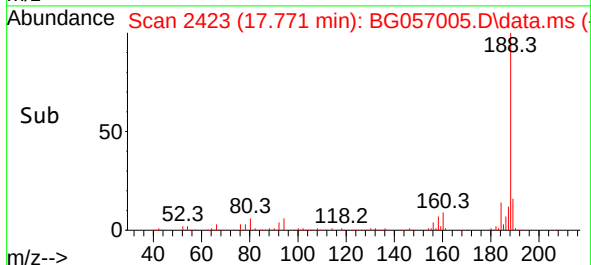
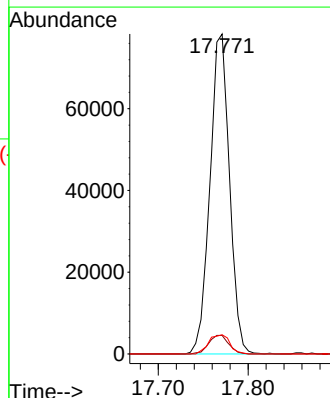
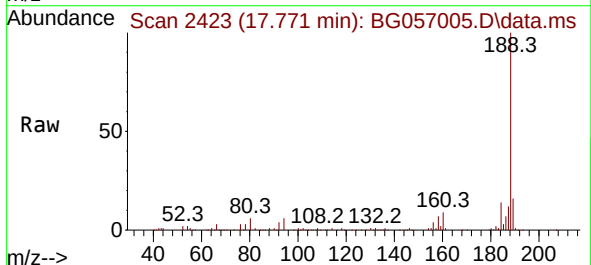
Tgt Ion:188 Resp: 118217

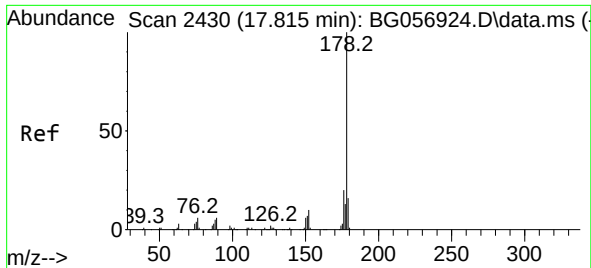
Ion Ratio Lower Upper

188 100

94 5.8 4.6 6.8

80 6.0 5.5 8.3

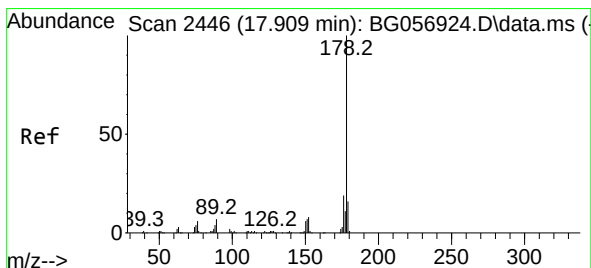
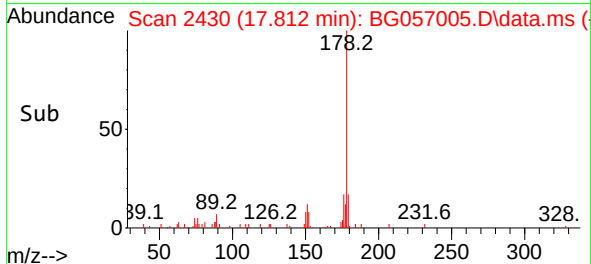
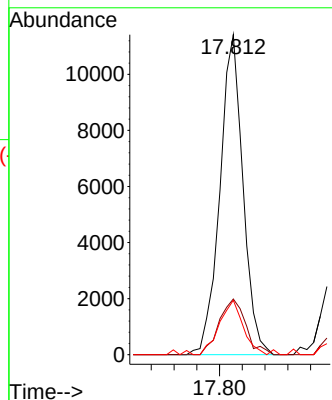
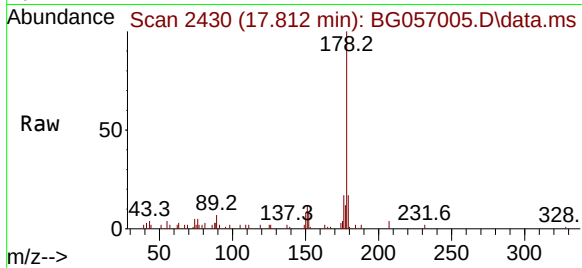




#71
Phenanthrene
Concen: 2.677 ng
RT: 17.812 min Scan# 2430
Delta R.T. -0.001 min
Lab File: BG057005.D
Acq: 6 Apr 2023 00:48

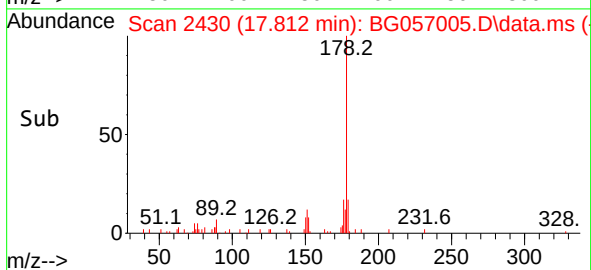
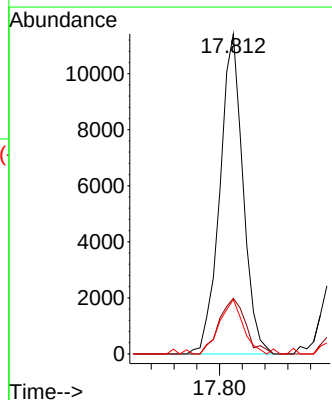
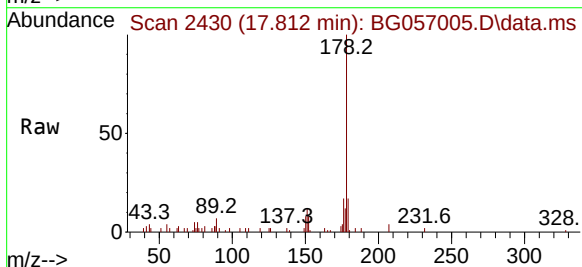
Instrument :
BNA_G
ClientSampleId :
RS-B

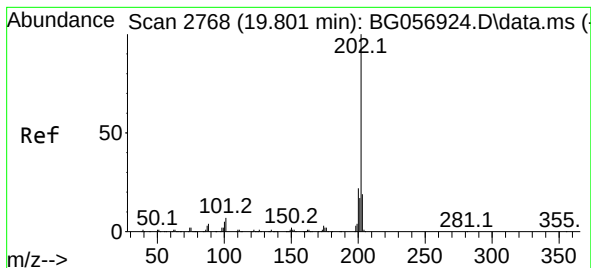
Tgt Ion:178 Resp: 16132
Ion Ratio Lower Upper
178 100
176 17.4 16.2 24.2
179 17.0 12.5 18.7



#72
Anthracene
Concen: 2.611 ng
RT: 17.812 min Scan# 2430
Delta R.T. -0.089 min
Lab File: BG057005.D
Acq: 6 Apr 2023 00:48

Tgt Ion:178 Resp: 16132
Ion Ratio Lower Upper
178 100
176 17.4 15.4 23.2
179 17.0 12.4 18.6





#75

Fluoranthene

Concen: 6.867 ng

RT: 19.798 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG057005.D

Acq: 6 Apr 2023 00:48

Instrument :

BNA_G

ClientSampleId :

RS-B

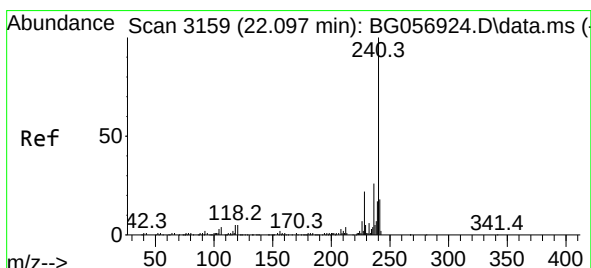
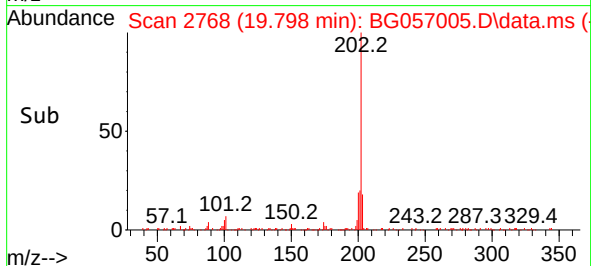
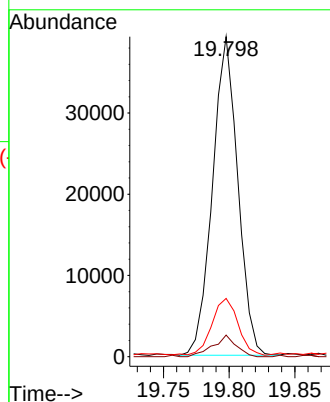
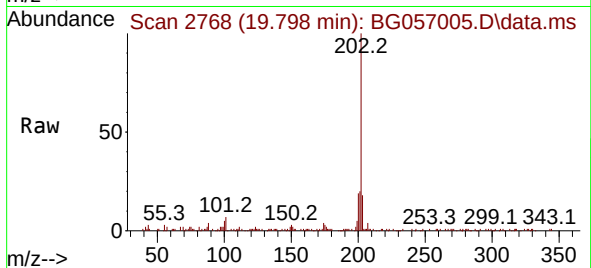
Tgt Ion:202 Resp: 52468

Ion Ratio Lower Upper

202 100

101 6.8 0.0 26.7

203 18.2 0.0 39.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.089 min Scan# 3158

Delta R.T. -0.007 min

Lab File: BG057005.D

Acq: 6 Apr 2023 00:48

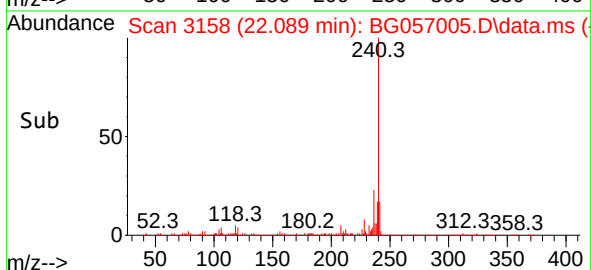
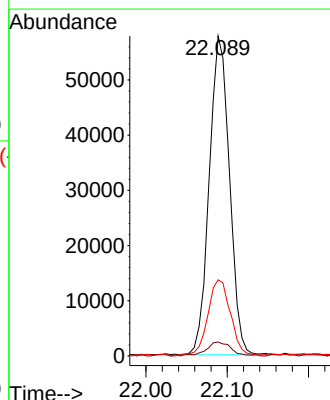
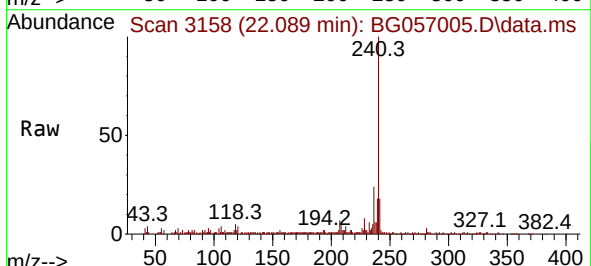
Tgt Ion:240 Resp: 99692

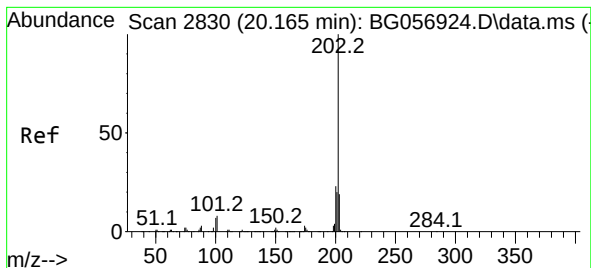
Ion Ratio Lower Upper

240 100

120 4.3 3.8 5.6

236 23.8 21.0 31.6





#78

Pyrene

Concen: 7.893 ng

RT: 20.156 min Scan# 2829

Delta R.T. -0.001 min

Lab File: BG057005.D

Acq: 6 Apr 2023 00:48

Instrument :

BNA_G

ClientSampleId :

RS-B

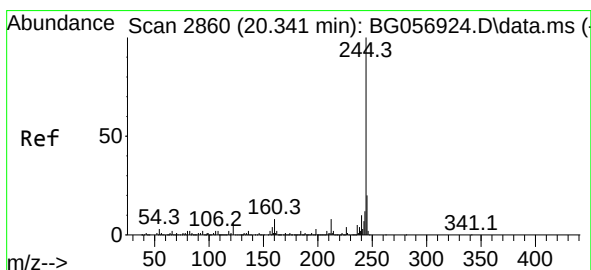
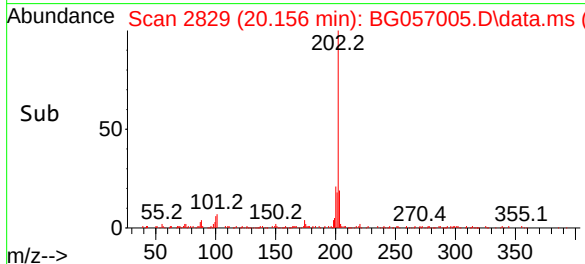
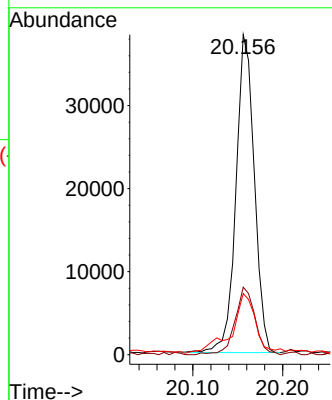
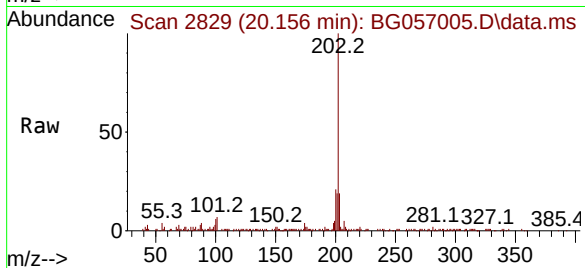
Tgt Ion:202 Resp: 54421

Ion Ratio Lower Upper

202 100

200 21.1 18.7 28.1

203 19.1 15.4 23.2



#79

Terphenyl-d14

Concen: 13.280 ng

RT: 20.332 min Scan# 2859

Delta R.T. -0.007 min

Lab File: BG057005.D

Acq: 6 Apr 2023 00:48

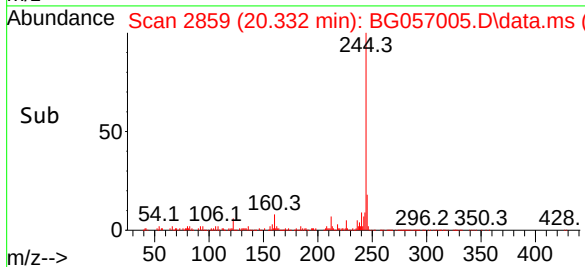
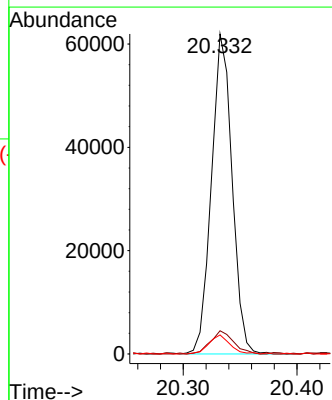
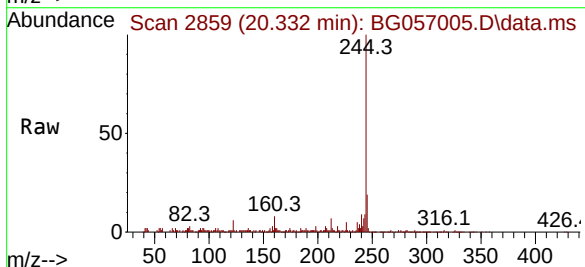
Tgt Ion:244 Resp: 78237

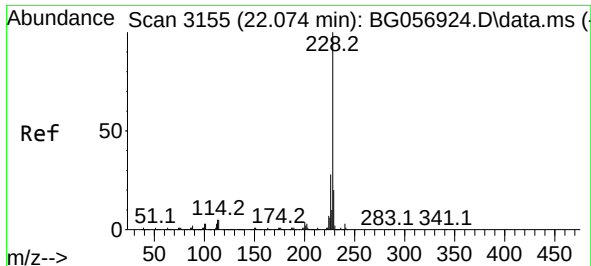
Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

122 5.9 5.0 7.4

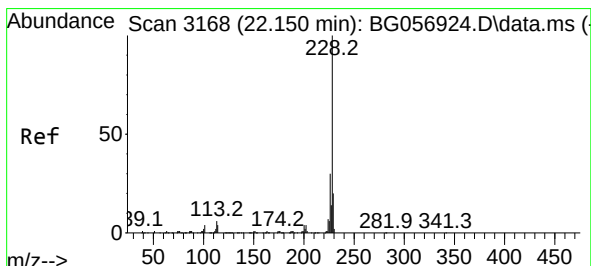
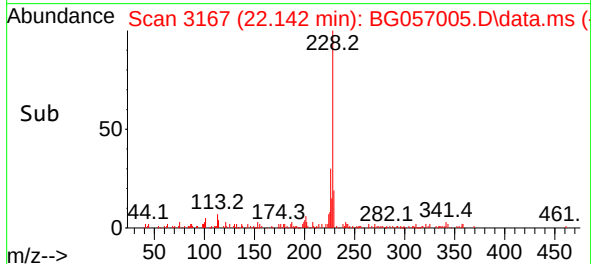
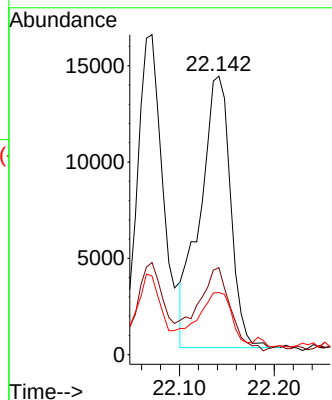
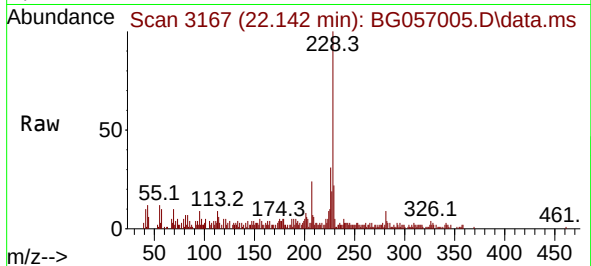




#81
Benzo(a)anthracene
Concen: 4.567 ng
RT: 22.142 min Scan# 3155
Delta R.T. 0.070 min
Lab File: BG057005.D
Acq: 6 Apr 2023 00:48

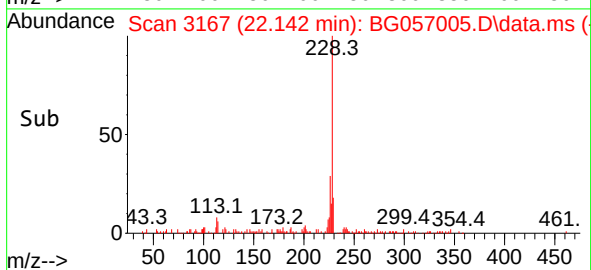
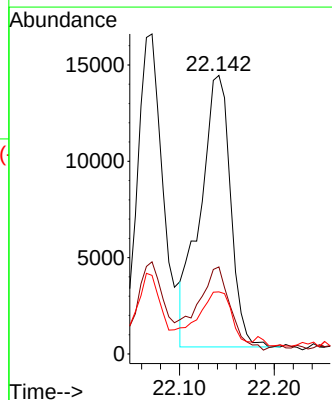
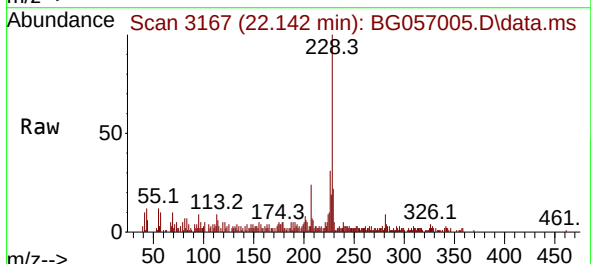
Instrument :
BNA_G
ClientSampleId :
RS-B

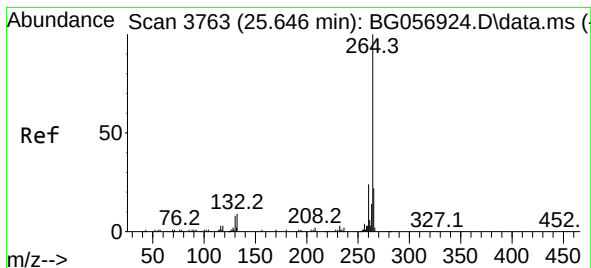
Tgt Ion:228 Resp: 31506
Ion Ratio Lower Upper
228 100
226 31.2 22.1 33.1
229 22.3 16.1 24.1



#83
Chrysene
Concen: 4.878 ng
RT: 22.142 min Scan# 3167
Delta R.T. -0.001 min
Lab File: BG057005.D
Acq: 6 Apr 2023 00:48

Tgt Ion:228 Resp: 31506
Ion Ratio Lower Upper
228 100
226 31.2 24.1 36.1
229 22.3 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.649 min Scan# 31

Delta R.T. 0.017 min

Lab File: BG057005.D

Acq: 6 Apr 2023 00:48

Instrument :

BNA_G

ClientSampleId :

RS-B

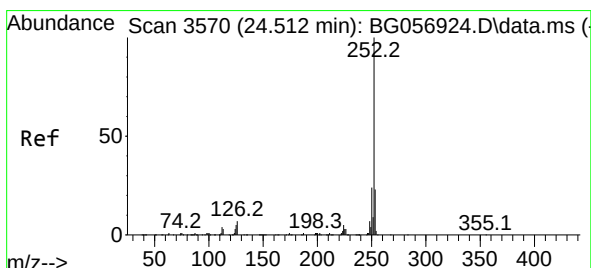
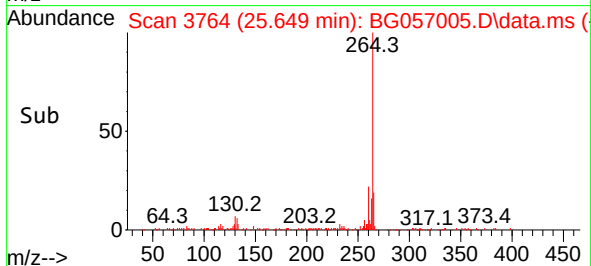
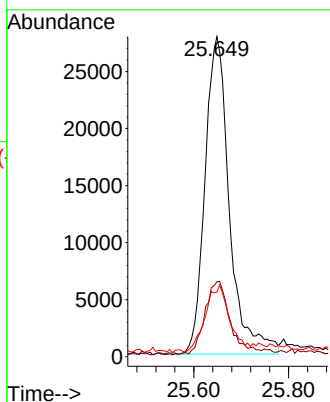
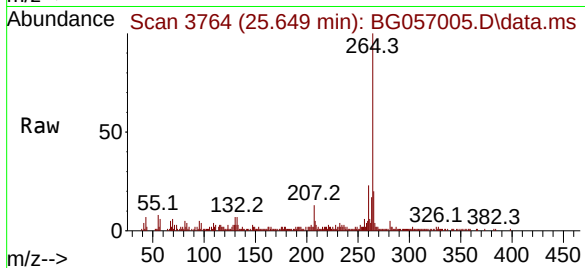
Tgt Ion:264 Resp: 99716

Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.4

265 20.2 17.8 26.6



#88

Benzo(b)fluoranthene

Concen: 8.555 ng

RT: 24.503 min Scan# 3569

Delta R.T. -0.001 min

Lab File: BG057005.D

Acq: 6 Apr 2023 00:48

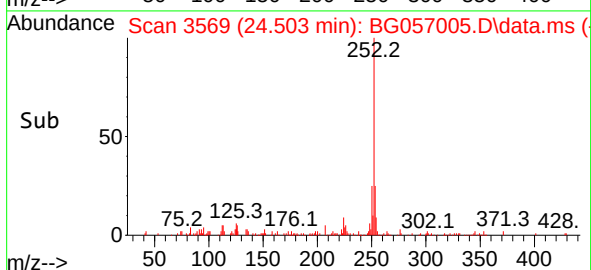
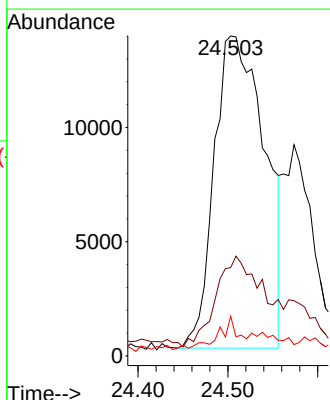
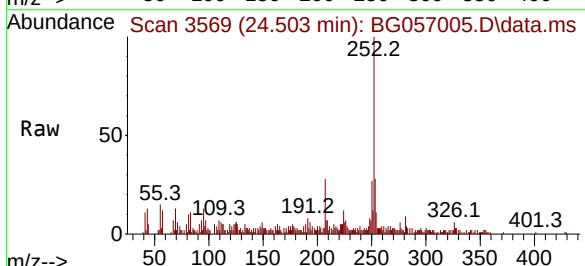
Tgt Ion:252 Resp: 53343

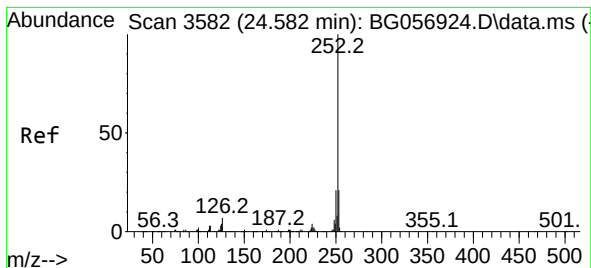
Ion Ratio Lower Upper

252 100

253 27.6 18.1 27.1#

125 12.4 4.2 6.4#





#89

Benzo(k)fluoranthene

Concen: 8.569 ng

RT: 24.503 min Scan# 3

Delta R.T. -0.071 min

Lab File: BG057005.D

Acq: 6 Apr 2023 00:48

Instrument :

BNA_G

ClientSampleId :

RS-B

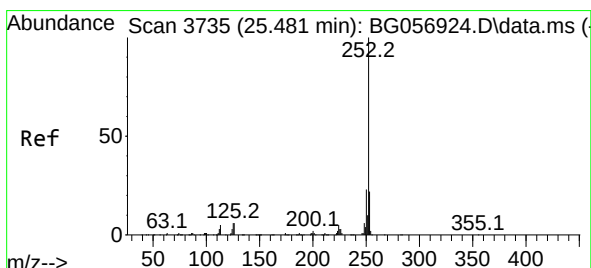
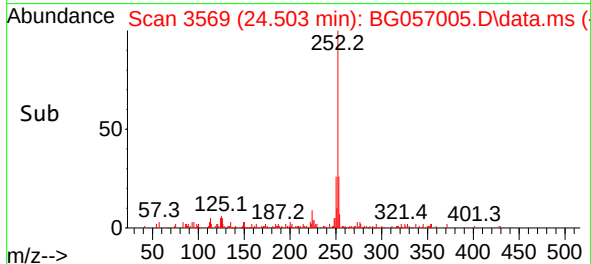
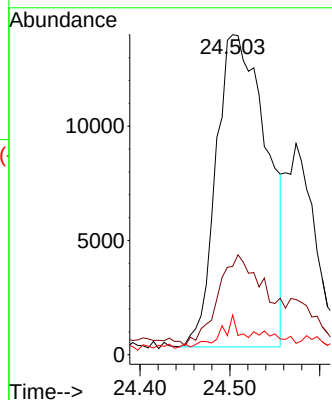
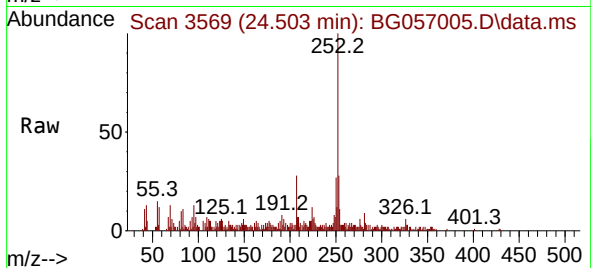
Tgt Ion:252 Resp: 53343

Ion Ratio Lower Upper

252 100

253 27.6 17.1 25.7#

125 12.4 3.8 5.6#



#90

Benzo(a)pyrene

Concen: 7.133 ng

RT: 25.472 min Scan# 3734

Delta R.T. 0.005 min

Lab File: BG057005.D

Acq: 6 Apr 2023 00:48

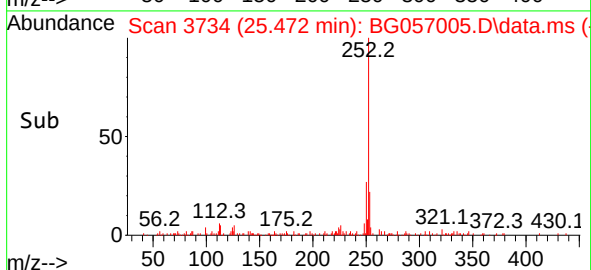
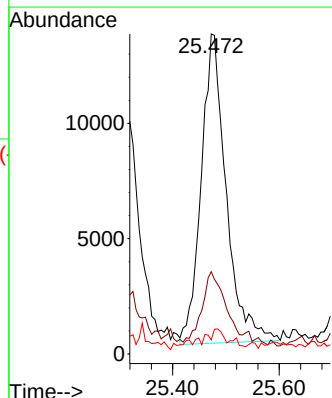
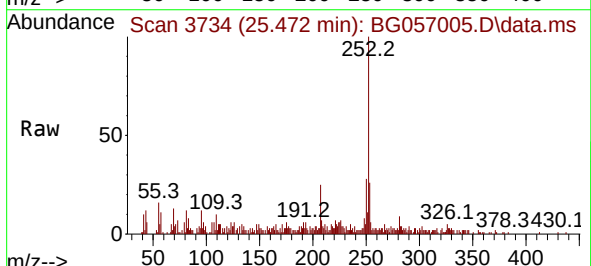
Tgt Ion:252 Resp: 43710

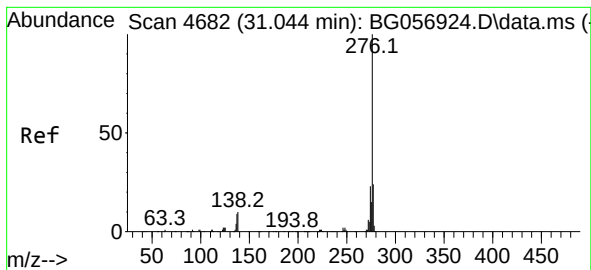
Ion Ratio Lower Upper

252 100

253 25.7 17.6 26.4

125 4.4 4.5 6.7#





#92

Benzo(g,h,i)perylene

Concen: 3.248 ng

RT: 31.047 min Scan# 4

Delta R.T. 0.017 min

Lab File: BG057005.D

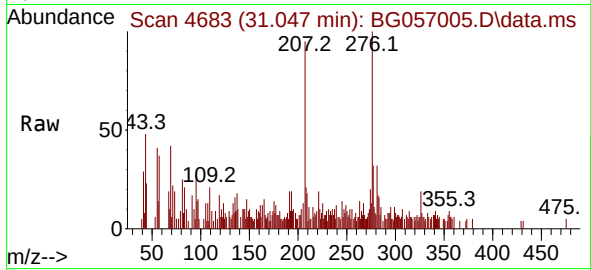
Acq: 6 Apr 2023 00:48

Instrument :

BNA_G

ClientSampleId :

RS-B



Tgt Ion:276 Resp: 19264

Ion Ratio Lower Upper

276 100

277 31.5 19.1 28.7#

138 10.1 8.2 12.2

