

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040523\
 Data File : BG057004.D
 Acq On : 6 Apr 2023 00:07
 Operator : CG/JU
 Sample : 02126-05 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RS-E

Quant Time: Apr 06 02:06:27 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

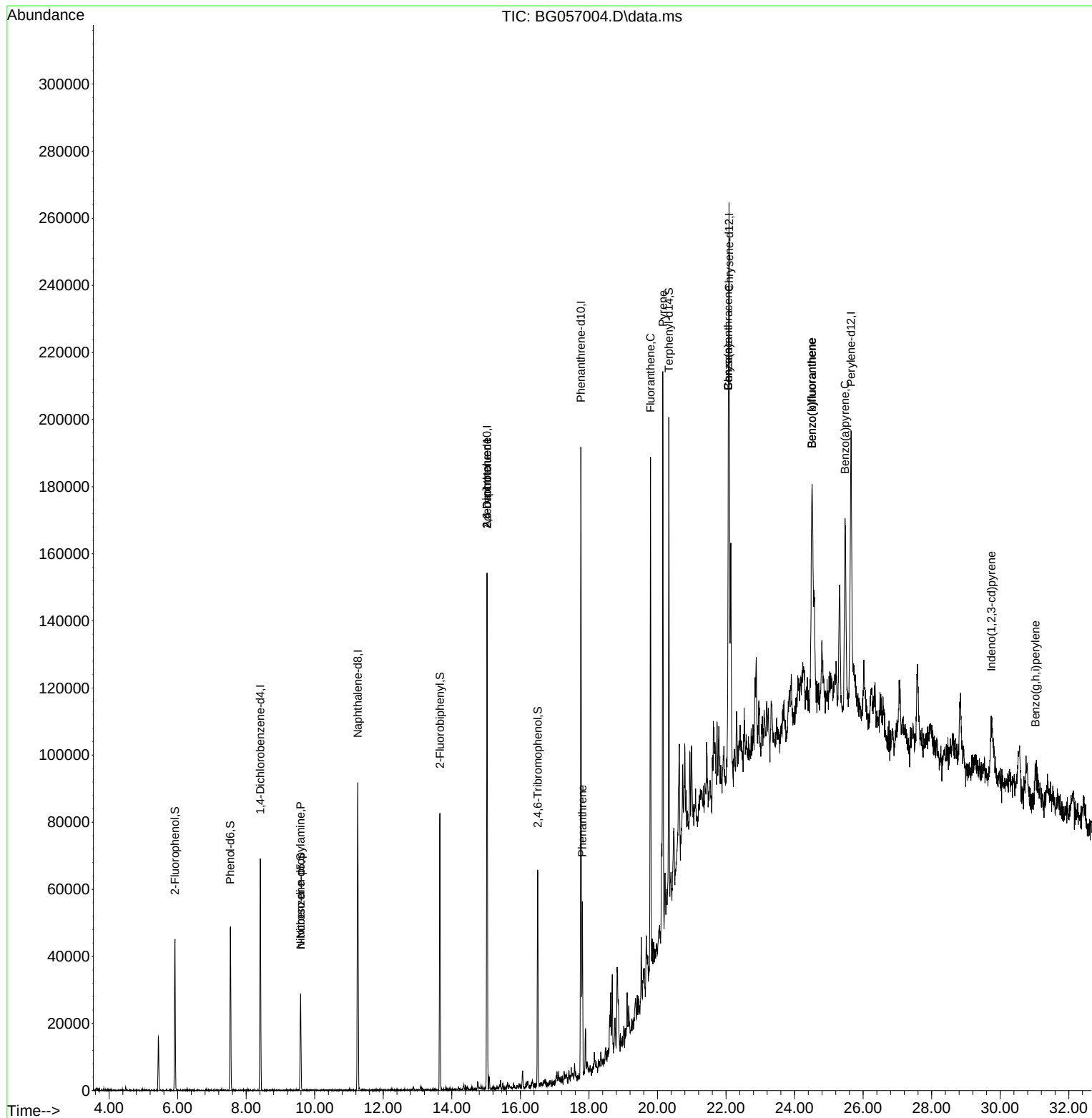
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.413	152	18226	20.000	ng	0.00
21) Naphthalene-d8	11.256	136	77652	20.000	ng	0.00
39) Acenaphthene-d10	15.028	164	53662	20.000	ng	0.00
64) Phenanthrene-d10	17.765	188	115993	20.000	ng	0.00
76) Chrysene-d12	22.089	240	95937	20.000	ng	0.00
86) Perylene-d12	25.649	264	102784	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.922	112	19962	17.529	ng	0.00
7) Phenol-d6	7.538	99	29026	17.042	ng	0.00
23) Nitrobenzene-d5	9.588	82	18794	9.903	ng	0.00
42) 2,4,6-Tribromophenol	16.508	330	12959	15.117	ng	0.00
45) 2-Fluorobiphenyl	13.653	172	43581	11.013	ng	0.00
79) Terphenyl-d14	20.332	244	62481	11.021	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.588	70	2524	2.072	ng	# 76
51) 2,6-Dinitrotoluene	15.028	165	7235	7.920	ng	# 18
57) 2,4-Dinitrotoluene	15.028	165	7235	5.615	ng	# 18
71) Phenanthrene	17.806	178	32871	5.558	ng	97
75) Fluoranthene	19.798	202	96452	12.866	ng	96
78) Pyrene	20.156	202	100024	15.074	ng	97
81) Benzo(a)anthracene	22.065	228	57741	8.697	ng	95
83) Chrysene	22.065	228	57741	9.289	ng	97
87) Indeno(1,2,3-cd)pyrene	29.743	276	35875	4.723	ng	# 56
88) Benzo(b)fluoranthene	24.503	252	96192	14.966	ng	97
89) Benzo(k)fluoranthene	24.503	252	96192	14.991	ng	# 94
90) Benzo(a)pyrene	25.472	252	70347	11.138	ng	# 91
92) Benzo(g,h,i)perylene	31.030	276	15084	2.467	ng	# 95

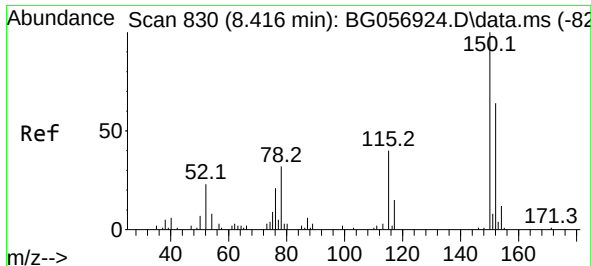
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

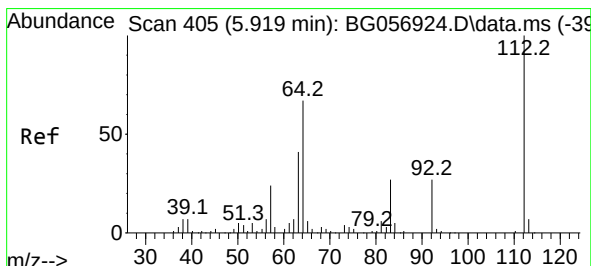
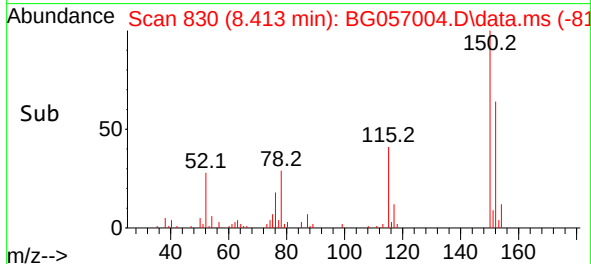
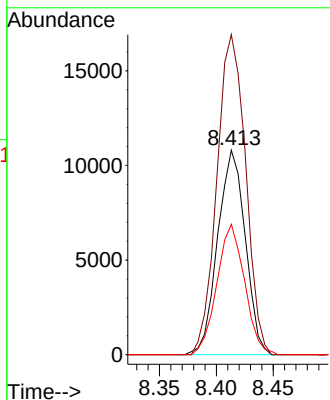
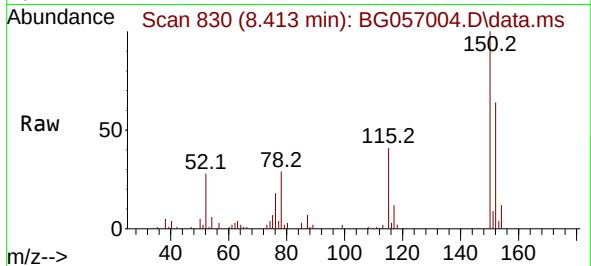




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.413 min Scan# 81
 Delta R.T. -0.007 min
 Lab File: BG057004.D
 Acq: 6 Apr 2023 00:07

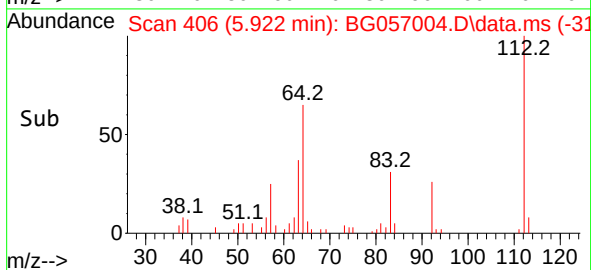
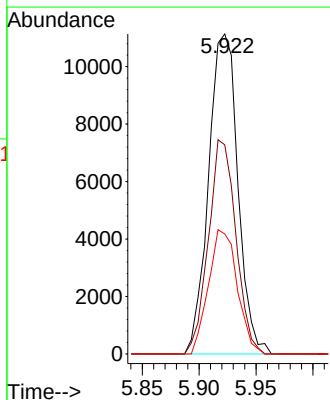
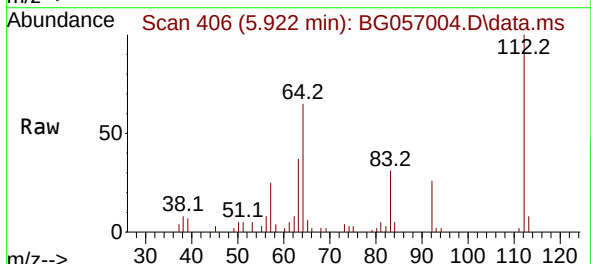
Instrument :
 BNA_G
 ClientSampleId :
 RS-E

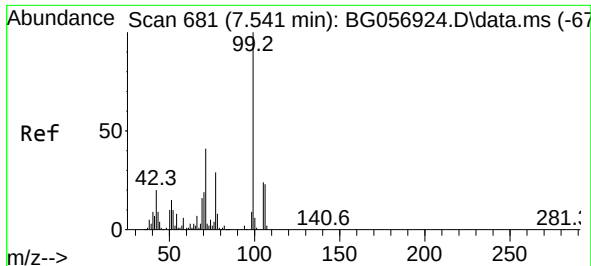
Tgt Ion:152 Resp: 18226
 Ion Ratio Lower Upper
 152 100
 150 156.4 124.1 186.1
 115 63.8 49.1 73.7



#5
 2-Fluorophenol
 Concen: 17.529 ng
 RT: 5.922 min Scan# 406
 Delta R.T. -0.001 min
 Lab File: BG057004.D
 Acq: 6 Apr 2023 00:07

Tgt Ion:112 Resp: 19962
 Ion Ratio Lower Upper
 112 100
 64 65.4 53.2 79.8
 63 37.5 32.6 48.8

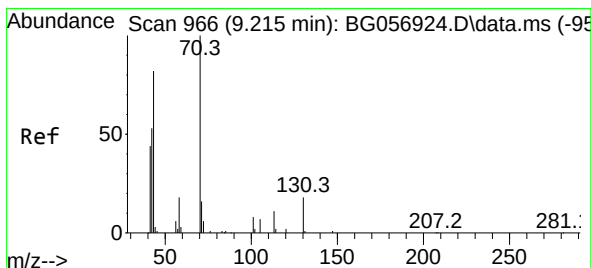
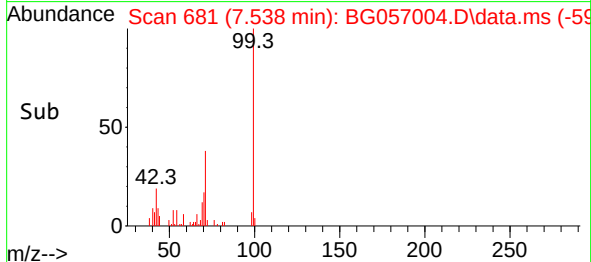
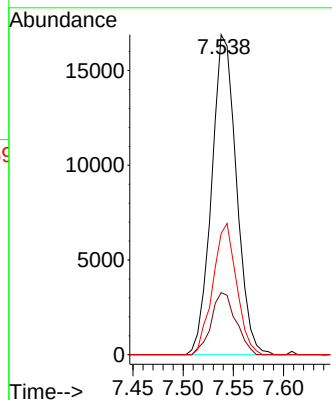
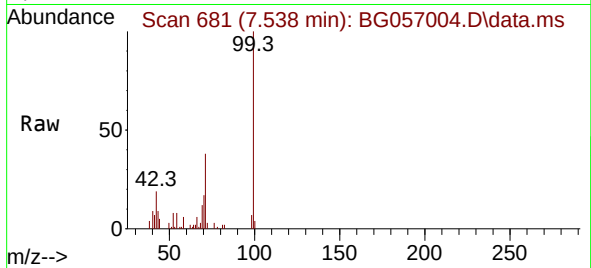




#7
Phenol-d6
Concen: 17.042 ng
RT: 7.538 min Scan# 61
Delta R.T. -0.007 min
Lab File: BG057004.D
Acq: 6 Apr 2023 00:07

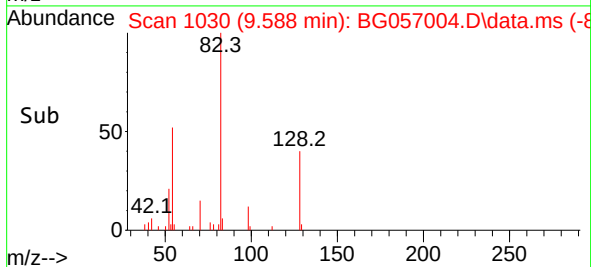
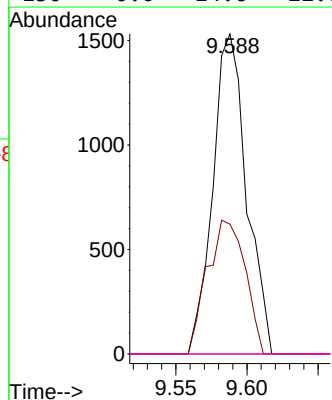
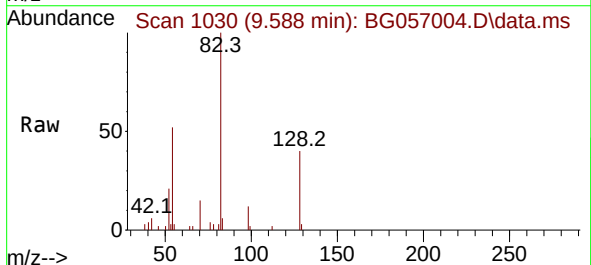
Instrument :
BNA_G
ClientSampleId :
RS-E

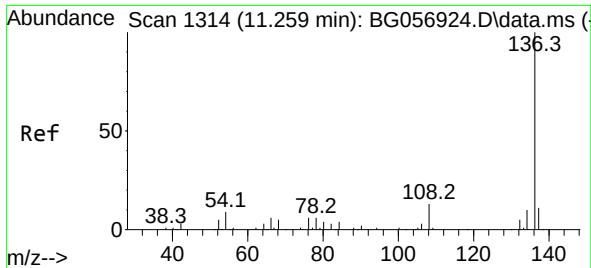
Tgt Ion: 99 Resp: 29026
Ion Ratio Lower Upper
99 100
42 19.4 15.7 23.5
71 37.9 32.5 48.7



#19
n-Nitroso-di-n-propylamine
Concen: 2.072 ng
RT: 9.588 min Scan# 1030
Delta R.T. 0.369 min
Lab File: BG057004.D
Acq: 6 Apr 2023 00:07

Tgt Ion: 70 Resp: 2524
Ion Ratio Lower Upper
70 100
42 40.6 43.4 65.0#
101 0.0 6.2 9.2#
130 0.0 14.6 22.0#

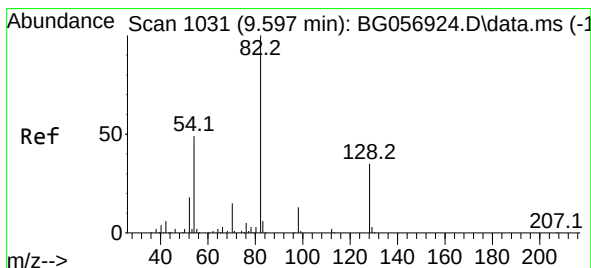
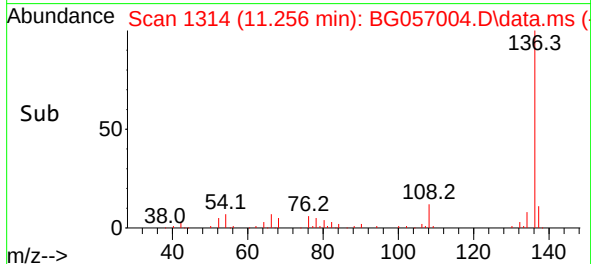
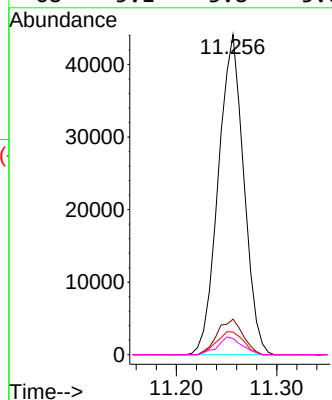
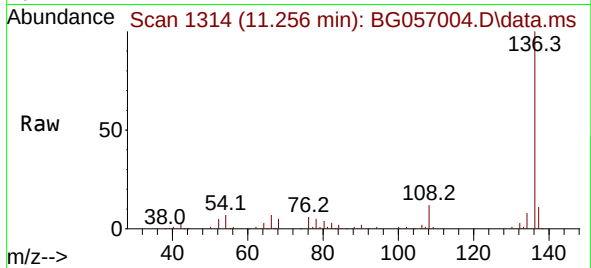




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.256 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG057004.D
Acq: 6 Apr 2023 00:07

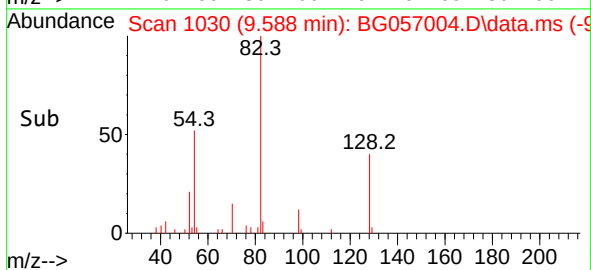
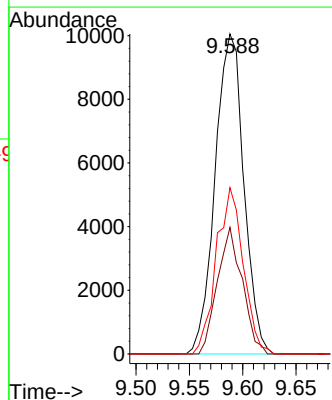
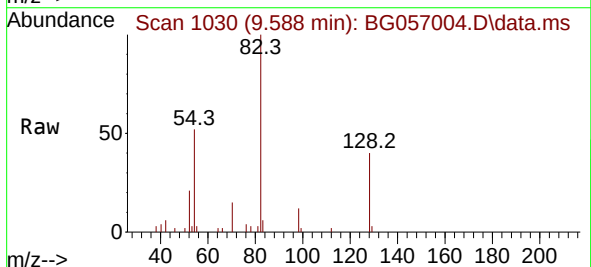
Instrument :
BNA_G
ClientSampleId :
RS-E

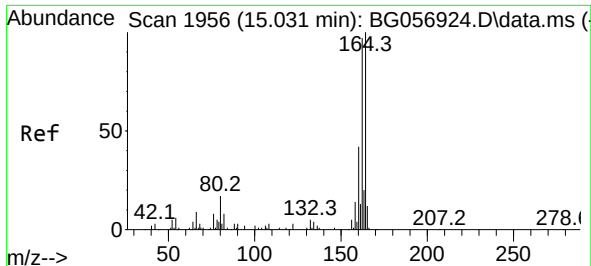
Tgt Ion:136	Resp:	77652
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.6 13.0
54	7.0	6.9 10.3
68	5.1	3.8 5.6



#23
Nitrobenzene-d5
Concen: 9.903 ng
RT: 9.588 min Scan# 1030
Delta R.T. -0.007 min
Lab File: BG057004.D
Acq: 6 Apr 2023 00:07

Tgt Ion: 82	Resp:	18794
Ion Ratio	Lower	Upper
82	100	
128	39.6	27.9 41.9
54	52.0	39.4 59.2

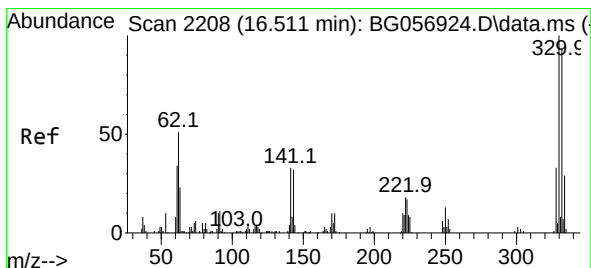
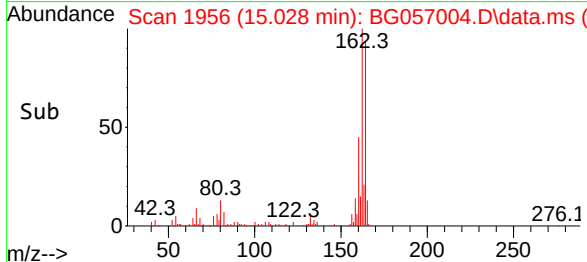
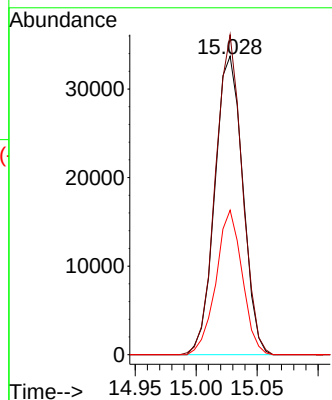
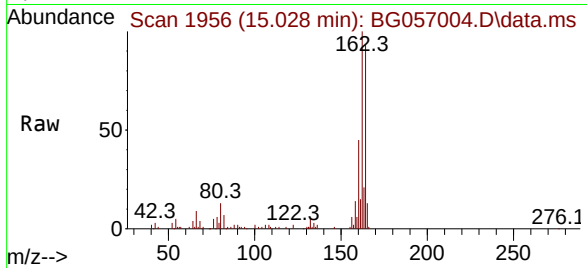




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.028 min Scan# 1956
Delta R.T. -0.007 min
Lab File: BG057004.D
Acq: 6 Apr 2023 00:07

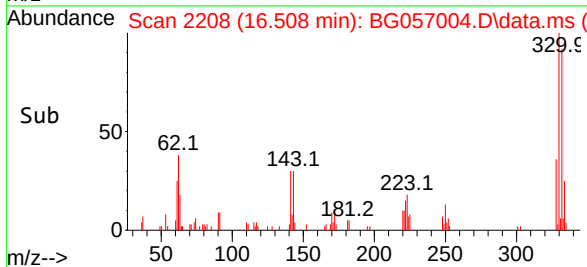
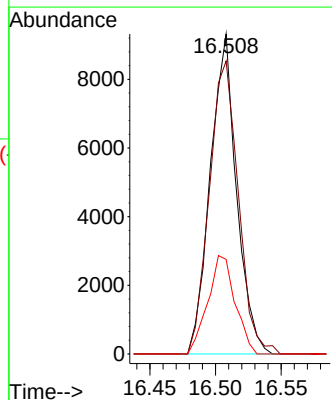
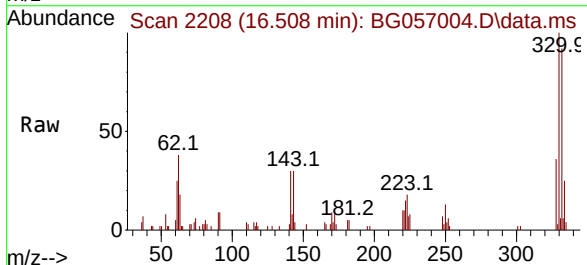
Instrument :
BNA_G
ClientSampleId :
RS-E

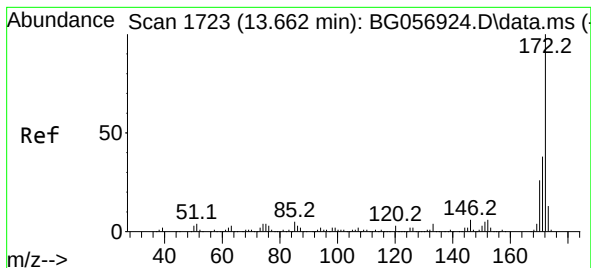
Tgt Ion:164 Resp: 53662
Ion Ratio Lower Upper
164 100
162 107.2 77.8 116.8
160 48.4 33.5 50.3



#42
2,4,6-Tribromophenol
Concen: 15.117 ng
RT: 16.508 min Scan# 2208
Delta R.T. -0.001 min
Lab File: BG057004.D
Acq: 6 Apr 2023 00:07

Tgt Ion:330 Resp: 12959
Ion Ratio Lower Upper
330 100
332 101.0 76.1 114.1
141 32.0 25.8 38.6

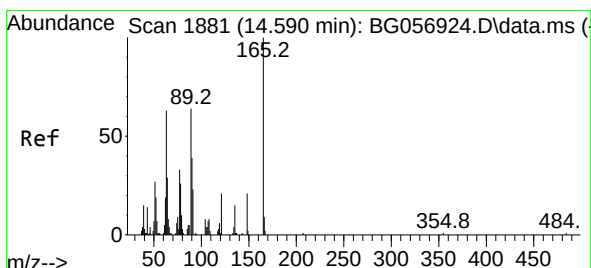
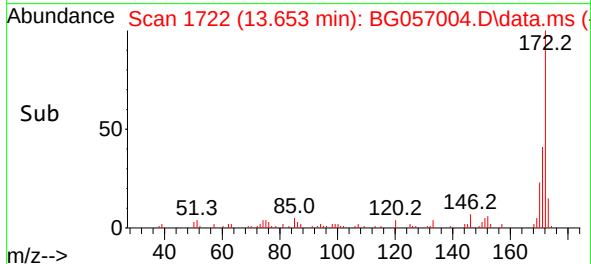
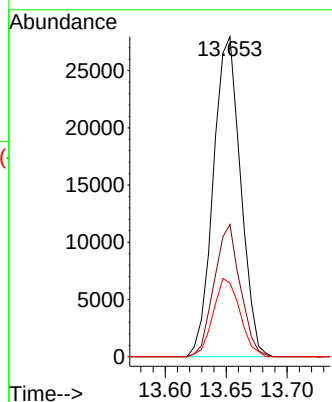
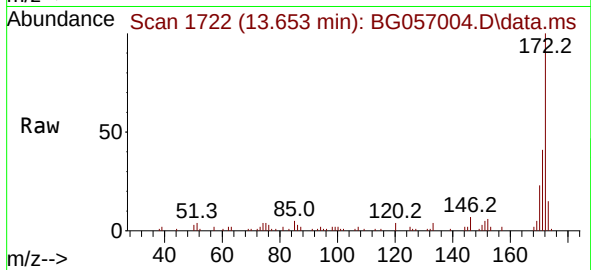




#45
 2-Fluorobiphenyl
 Concen: 11.013 ng
 RT: 13.653 min Scan# 1
 Delta R.T. -0.001 min
 Lab File: BG057004.D
 Acq: 6 Apr 2023 00:07

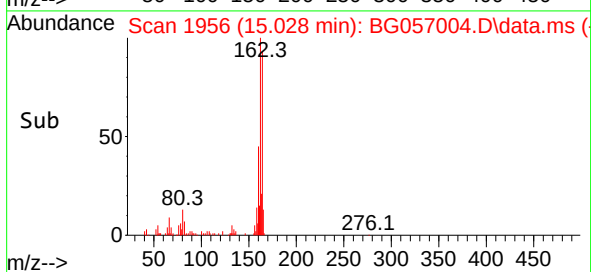
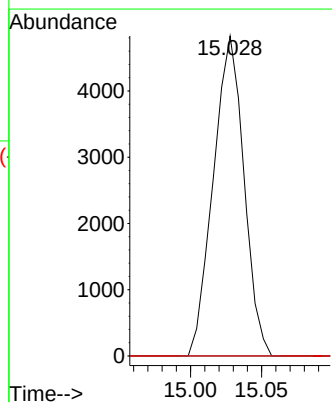
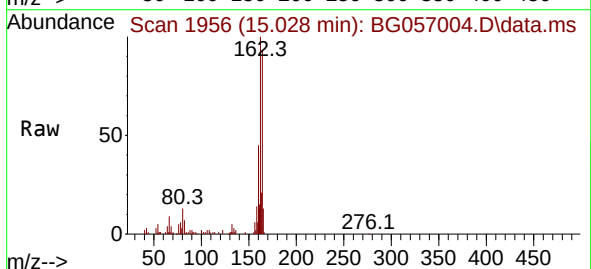
Instrument :
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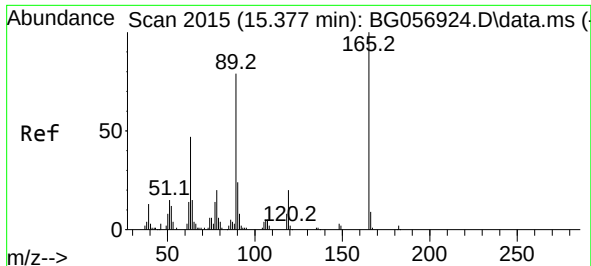
Tgt Ion:172 Resp: 43581
 Ion Ratio Lower Upper
 172 100
 171 41.3 30.6 46.0
 170 23.0 20.6 30.8



#51
 2,6-Dinitrotoluene
 Concen: 7.920 ng
 RT: 15.028 min Scan# 1956
 Delta R.T. 0.434 min
 Lab File: BG057004.D
 Acq: 6 Apr 2023 00:07

Tgt Ion:165 Resp: 7235
 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: 5.615 ng

RT: 15.028 min Scan# 1956

Delta R.T. -0.347 min

Lab File: BG057004.D

Acq: 6 Apr 2023 00:07

Instrument :

BNA_G

ClientSampleId :

RS-E

Tgt Ion:165 Resp: 7235

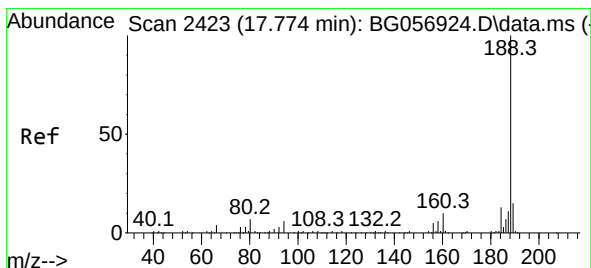
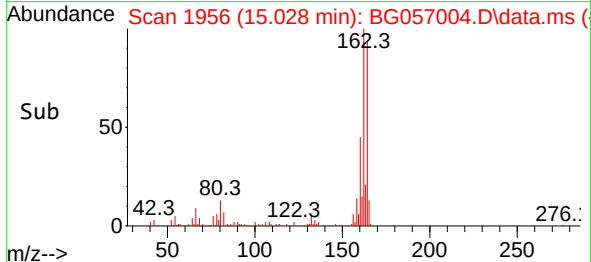
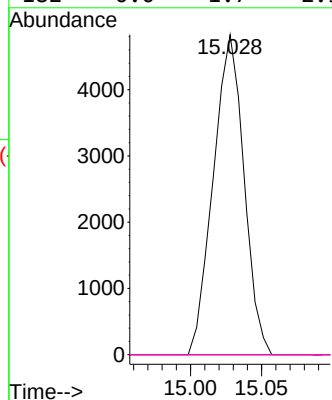
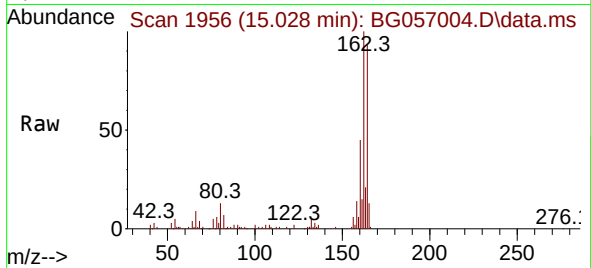
Ion Ratio Lower Upper

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: 17.765 min Scan# 2422

Delta R.T. -0.001 min

Lab File: BG057004.D

Acq: 6 Apr 2023 00:07

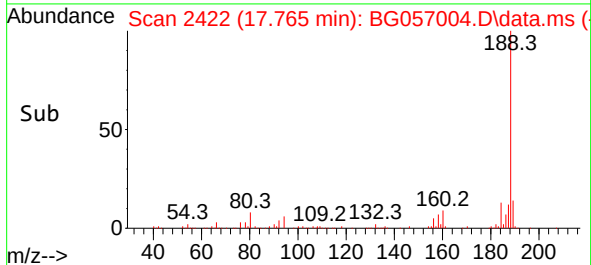
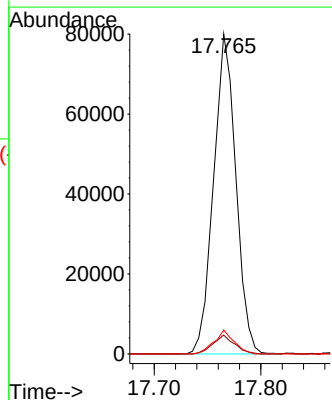
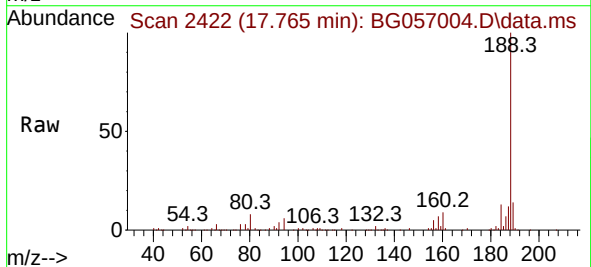
Tgt Ion:188 Resp: 115993

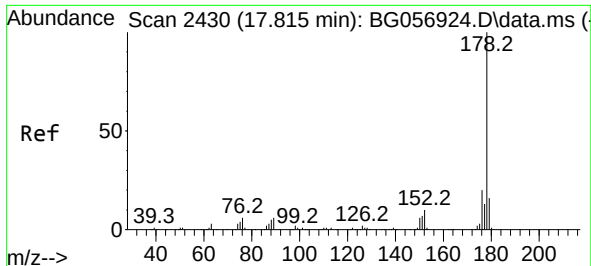
Ion Ratio Lower Upper

188 100

94 5.9 4.6 6.8

80 7.5 5.5 8.3

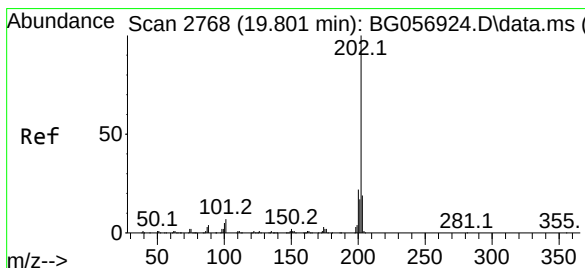
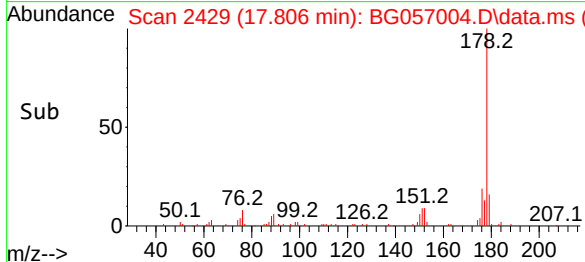
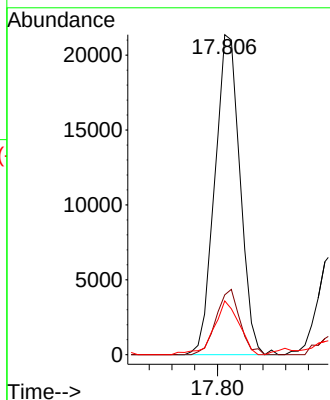
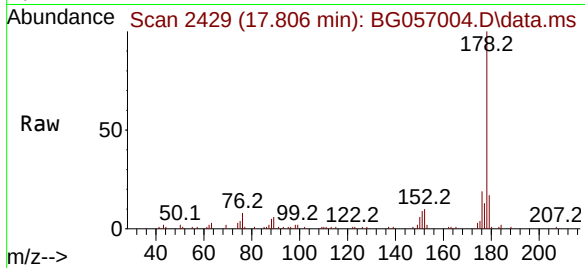




#71
Phenanthrene
Concen: 5.558 ng
RT: 17.806 min Scan# 2430
Delta R.T. -0.007 min
Lab File: BG057004.D
Acq: 6 Apr 2023 00:07

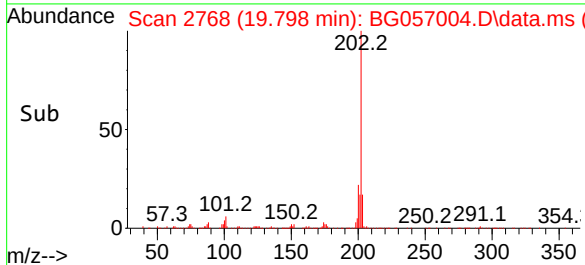
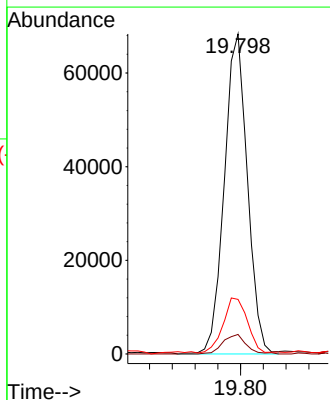
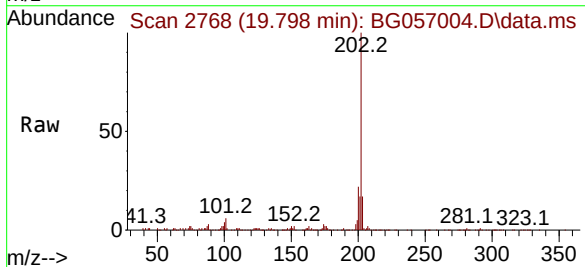
Instrument :
BNA_G
ClientSampleId :
RS-E

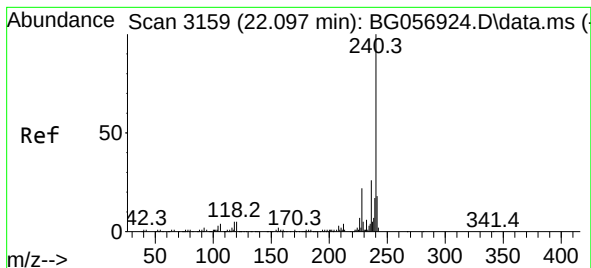
Tgt Ion:178 Resp: 32871
Ion Ratio Lower Upper
178 100
176 18.7 16.2 24.2
179 16.8 12.5 18.7



#75
Fluoranthene
Concen: 12.866 ng
RT: 19.798 min Scan# 2768
Delta R.T. -0.001 min
Lab File: BG057004.D
Acq: 6 Apr 2023 00:07

Tgt Ion:202 Resp: 96452
Ion Ratio Lower Upper
202 100
101 6.1 0.0 26.7
203 17.0 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: BG057004.D

Acq: 6 Apr 2023 00:07

Instrument :

BNA_G

ClientSampleId :

RS-E

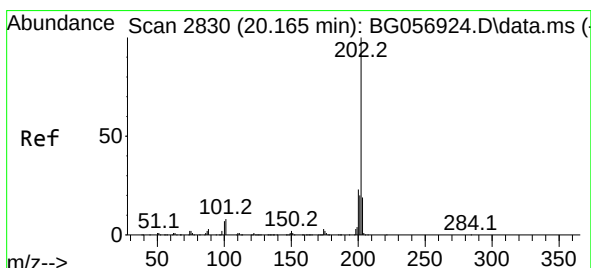
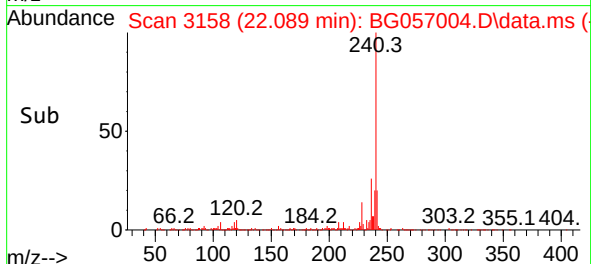
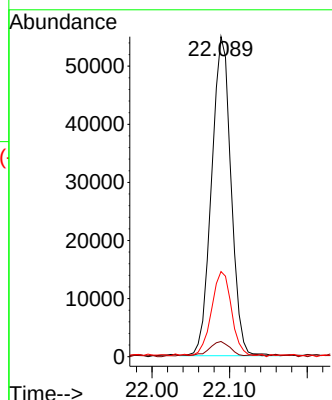
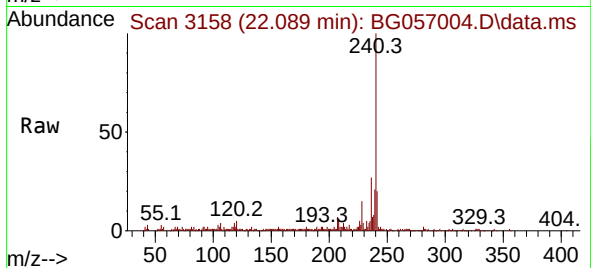
Tgt Ion:240 Resp: 95937

Ion Ratio Lower Upper

240 100

120 4.7 3.8 5.6

236 26.6 21.0 31.6



#78

Pyrene

Concen: 15.074 ng

RT: 20.156 min Scan# 2829

Delta R.T. -0.001 min

Lab File: BG057004.D

Acq: 6 Apr 2023 00:07

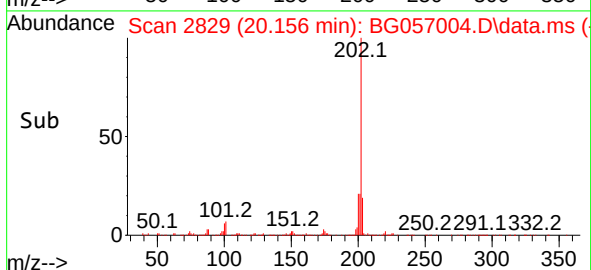
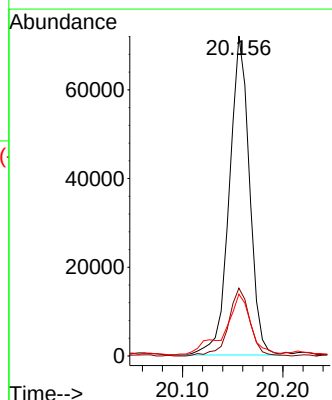
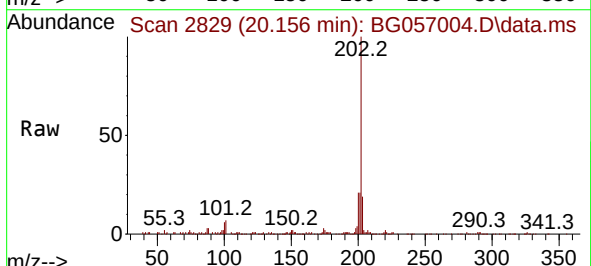
Tgt Ion:202 Resp: 100024

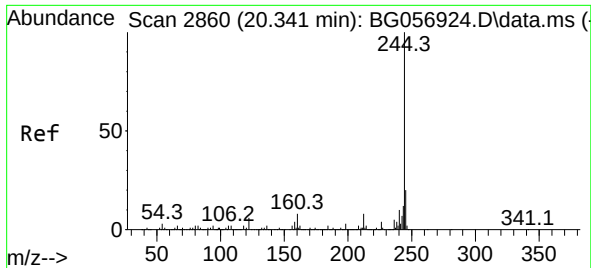
Ion Ratio Lower Upper

202 100

200 21.2 18.7 28.1

203 19.3 15.4 23.2

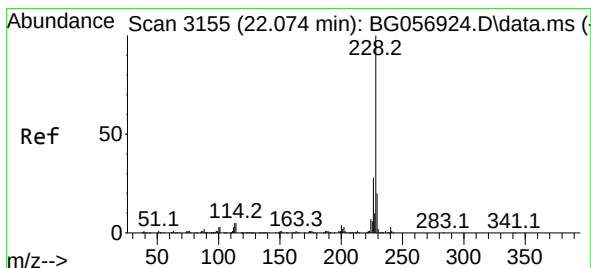
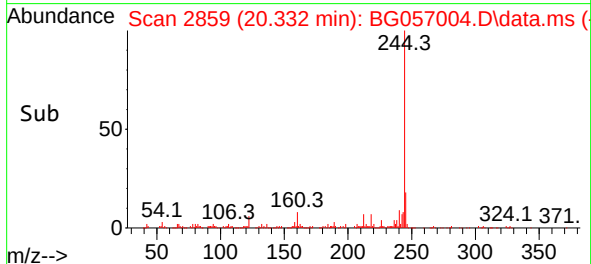
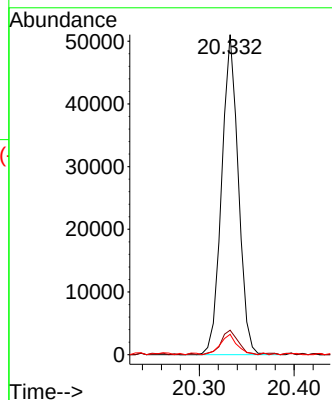
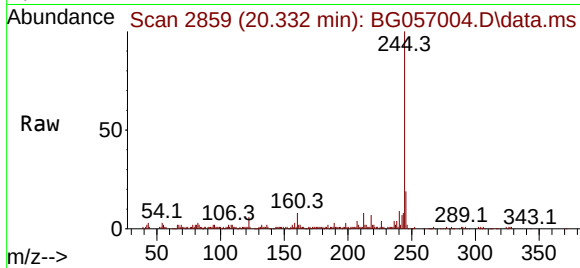




#79
 Terphenyl-d14
 Concen: 11.021 ng
 RT: 20.332 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG057004.D
 Acq: 6 Apr 2023 00:07

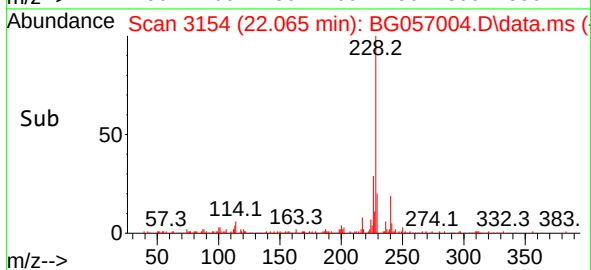
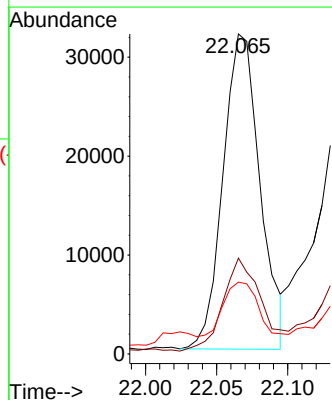
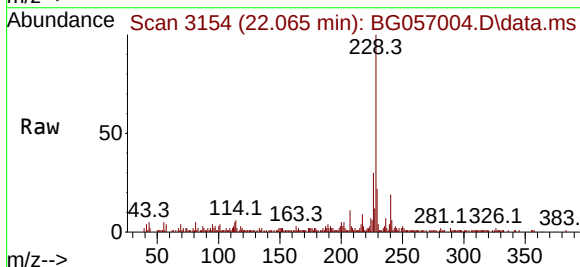
Instrument :
 BNA_G
 ClientSampleId :
 RS-E

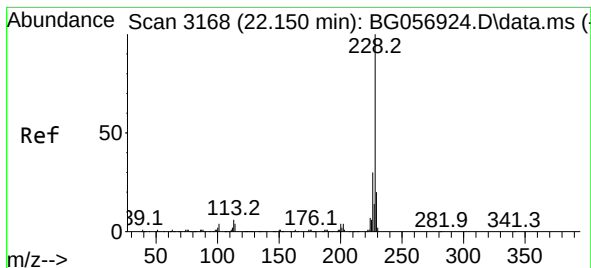
Tgt Ion:244 Resp: 62481
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.1 9.1
 122 6.3 5.0 7.4



#81
 Benzo(a)anthracene
 Concen: 8.697 ng
 RT: 22.065 min Scan# 3154
 Delta R.T. -0.006 min
 Lab File: BG057004.D
 Acq: 6 Apr 2023 00:07

Tgt Ion:228 Resp: 57741
 Ion Ratio Lower Upper
 228 100
 226 30.0 22.1 33.1
 229 22.5 16.1 24.1





#83

Chrysene

Concen: 9.289 ng

RT: 22.065 min Scan# 3168

Delta R.T. -0.077 min

Lab File: BG057004.D

Acq: 6 Apr 2023 00:07

Instrument :

BNA_G

ClientSampleId :

RS-E

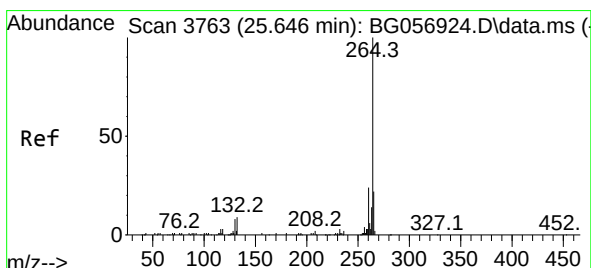
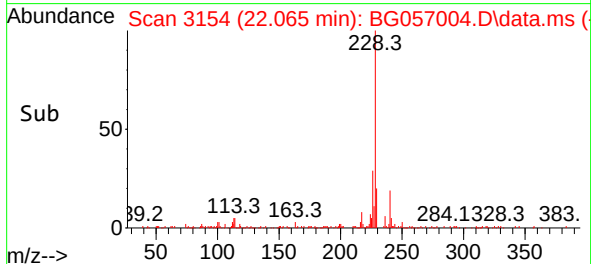
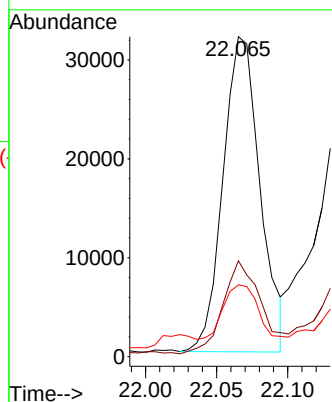
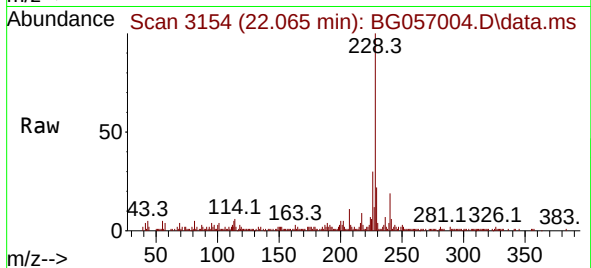
Tgt Ion:228 Resp: 57741

Ion Ratio Lower Upper

228 100

226 30.0 24.1 36.1

229 22.5 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.649 min Scan# 3764

Delta R.T. 0.017 min

Lab File: BG057004.D

Acq: 6 Apr 2023 00:07

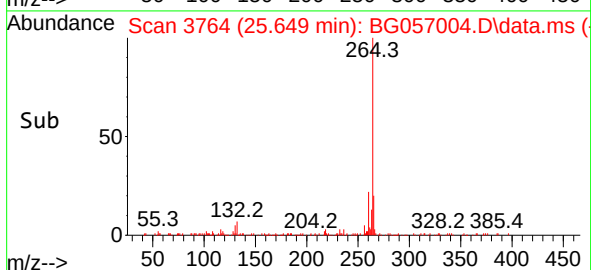
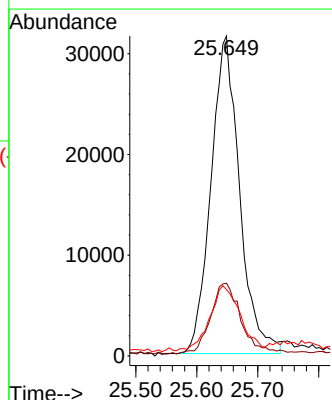
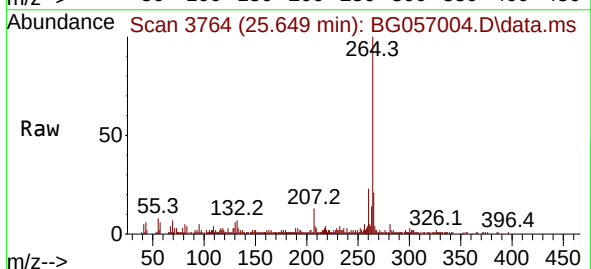
Tgt Ion:264 Resp: 102784

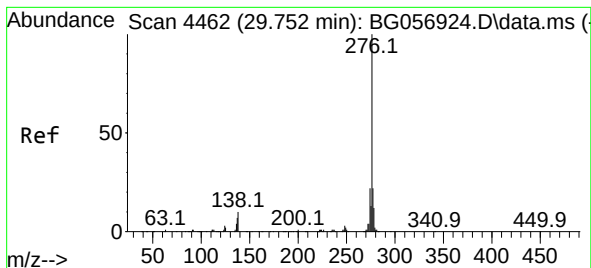
Ion Ratio Lower Upper

264 100

260 22.8 19.0 28.4

265 20.8 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.723 ng

RT: 29.743 min Scan# 4461

Delta R.T. 0.005 min

Lab File: BG057004.D

Acq: 6 Apr 2023 00:07

Instrument :

BNA_G

ClientSampleId :

RS-E

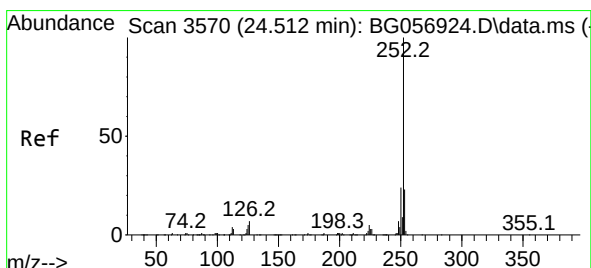
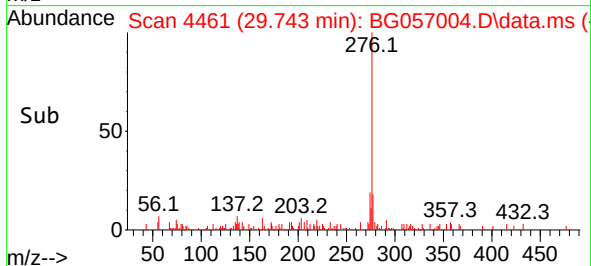
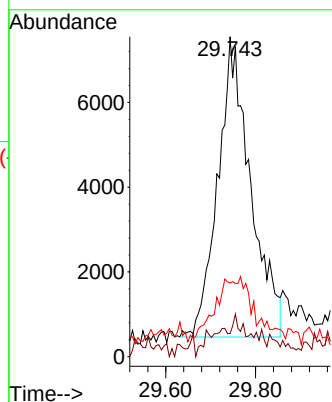
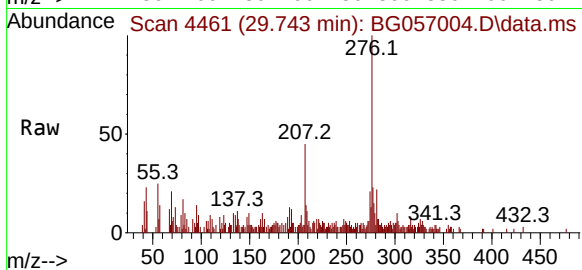
Tgt Ion:276 Resp: 35875

Ion Ratio Lower Upper

276 100

138 1.4 7.7 11.5#

277 0.0 21.0 31.4#



#88

Benzo(b)fluoranthene

Concen: 14.966 ng

RT: 24.503 min Scan# 3569

Delta R.T. -0.001 min

Lab File: BG057004.D

Acq: 6 Apr 2023 00:07

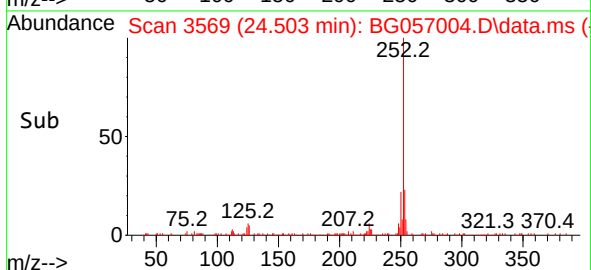
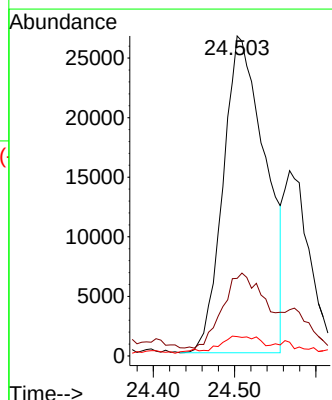
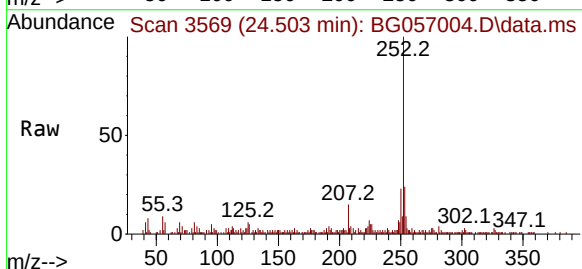
Tgt Ion:252 Resp: 96192

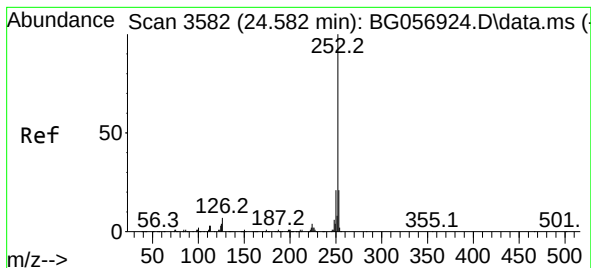
Ion Ratio Lower Upper

252 100

253 24.3 18.1 27.1

125 6.1 4.2 6.4





#89

Benzo(k)fluoranthene

Concen: 14.991 ng

RT: 24.503 min Scan# 3

Delta R.T. -0.071 min

Lab File: BG057004.D

Acq: 6 Apr 2023 00:07

Instrument :

BNA_G

ClientSampleId :

RS-E

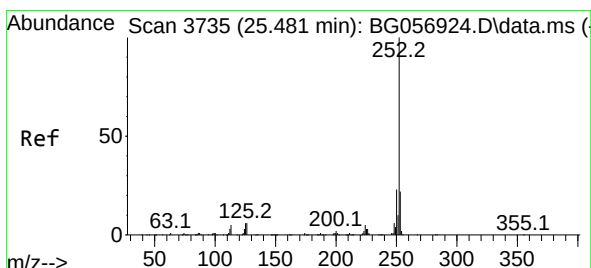
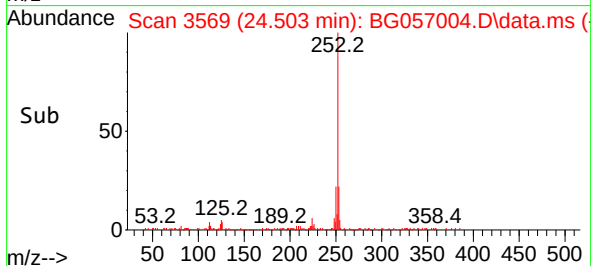
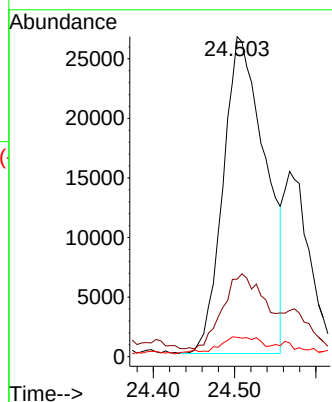
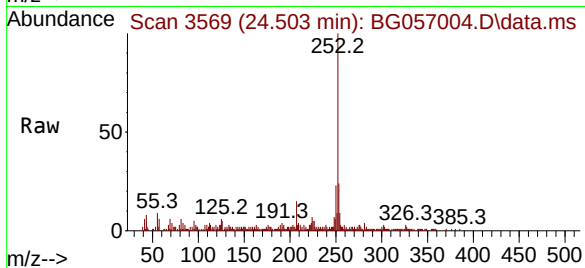
Tgt Ion:252 Resp: 96192

Ion Ratio Lower Upper

252 100

253 24.3 17.1 25.7

125 6.1 3.8 5.6#



#90

Benzo(a)pyrene

Concen: 11.138 ng

RT: 25.472 min Scan# 3734

Delta R.T. 0.005 min

Lab File: BG057004.D

Acq: 6 Apr 2023 00:07

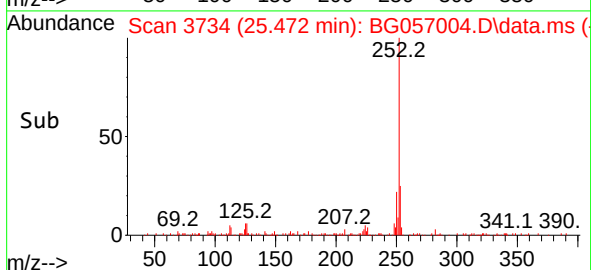
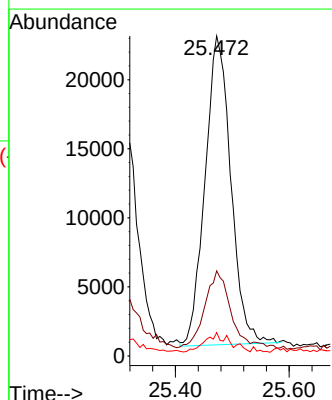
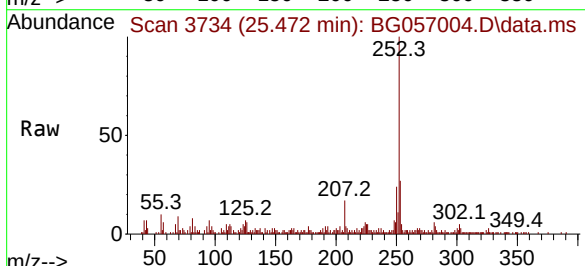
Tgt Ion:252 Resp: 70347

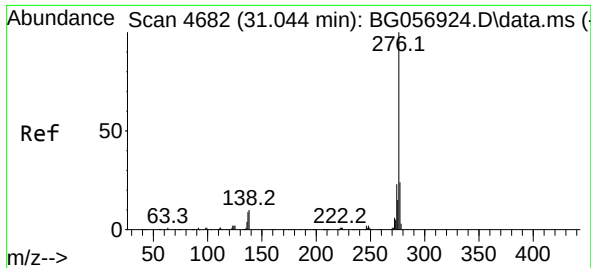
Ion Ratio Lower Upper

252 100

253 26.6 17.6 26.4#

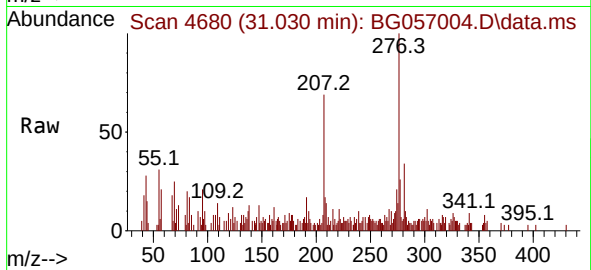
125 7.3 4.5 6.7#





#92
 Benzo(g,h,i)perylene
 Concen: 2.467 ng
 RT: 31.030 min Scan# 41
 Delta R.T. -0.001 min
 Lab File: BG057004.D
 Acq: 6 Apr 2023 00:07

Instrument :
 BNA_G
 ClientSampleId :
 RS-E



Tgt Ion:276 Resp: 15084
 Ion Ratio Lower Upper
 276 100
 277 25.8 19.1 28.7
 138 12.8 8.2 12.2#

