

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040623\
 Data File : BG057017.D
 Acq On : 6 Apr 2023 18:19
 Operator : CG/JU
 Sample : 02206-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11929

Quant Time: Apr 07 01:39:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 07 01:33:41 2023
 Response via : Initial Calibration

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

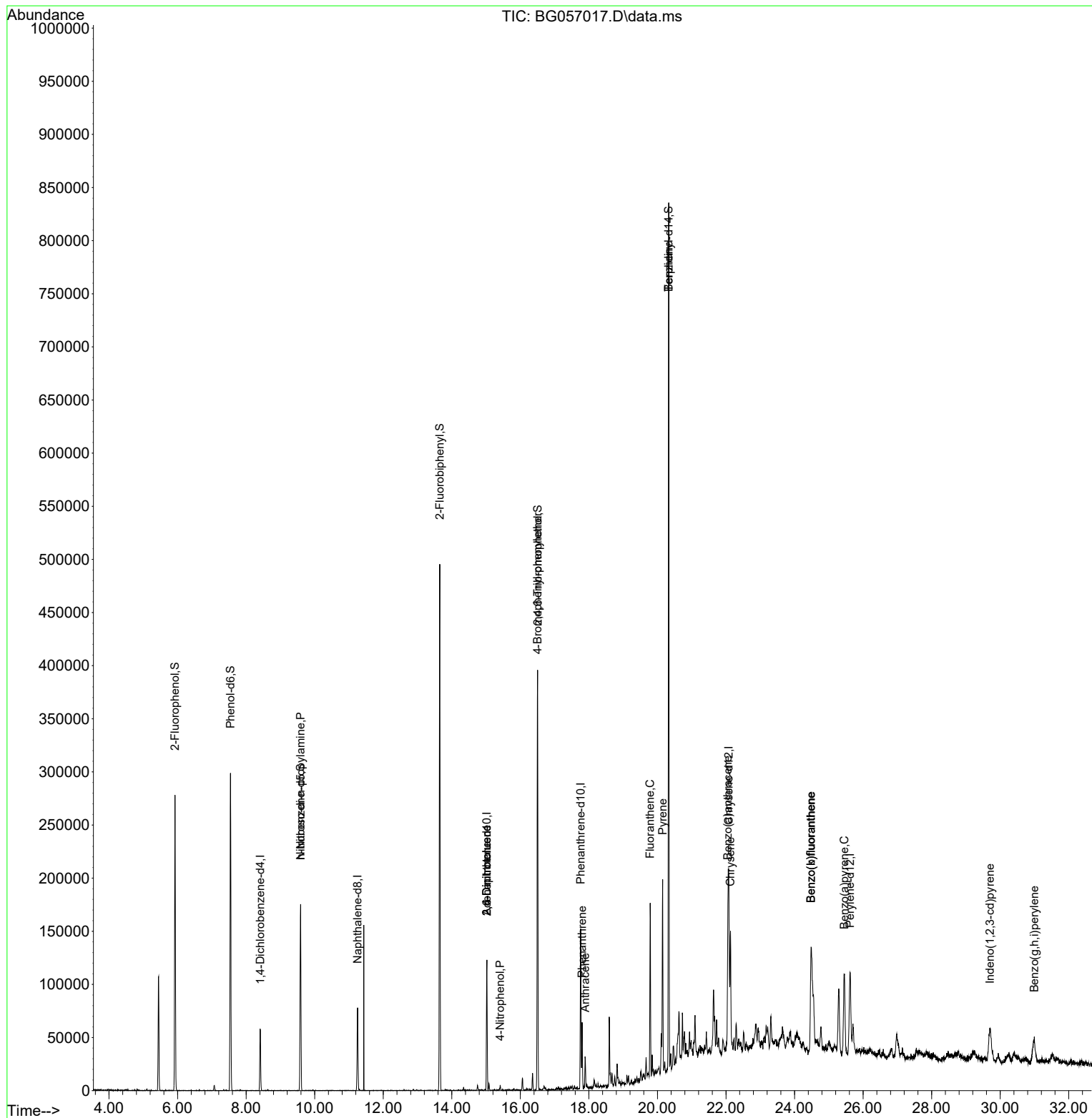
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.408	152	16311	20.000	ng	0.00
21) Naphthalene-d8	11.251	136	63513	20.000	ng	0.00
39) Acenaphthene-d10	15.022	164	43530	20.000	ng	0.00
64) Phenanthrene-d10	17.760	188	97161	20.000	ng	# 0.00
76) Chrysene-d12	22.078	240	84026	20.000	ng	-0.01
86) Perylene-d12	25.620	264	91579	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.923	112	113700	111.563	ng	0.00
7) Phenol-d6	7.544	99	166888	109.487	ng	0.00
23) Nitrobenzene-d5	9.589	82	109297	70.413	ng	0.00
42) 2,4,6-Tribromophenol	16.503	330	79809	114.766	ng	0.00
45) 2-Fluorobiphenyl	13.648	172	250176	77.933	ng	0.00
79) Terphenyl-d14	20.327	244	389483	78.436	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.589	70	16194	14.853	ng	# 74
51) 2,6-Dinitrotoluene	15.022	165	5916	7.983	ng	# 18
56) 4-Nitrophenol	15.410	139	1141	2.104	ng	# 1
57) 2,4-Dinitrotoluene	15.022	165	5916	5.660	ng	# 18
67) 4-Bromophenyl-phenylether	16.497	248	5004	4.162	ng	# 1
71) Phenanthrene	17.801	178	37487	7.567	ng	96
72) Anthracene	17.889	178	20761	4.088	ng	96
75) Fluoranthene	19.787	202	99699	15.877	ng	99
77) Benzidine	20.327	184	6483	2.823	ng	# 92
78) Pyrene	20.151	202	115710	19.910	ng	99
81) Benzo(a)anthracene	22.054	228	86683	14.908	ng	99
83) Chrysene	22.131	228	95318	17.508	ng	95
87) Indeno(1,2,3-cd)pyrene	29.697	276	58645	8.665	ng	98
88) Benzo(b)fluoranthene	24.480	252	148961	26.012	ng	98
89) Benzo(k)fluoranthene	24.480	252	148961	26.055	ng	97
90) Benzo(a)pyrene	25.455	252	91382	16.239	ng	97
92) Benzo(g,h,i)perylene	30.995	276	53443	9.811	ng	# 93

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

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QLast Update : Fri Apr 07 01:33:41 2023
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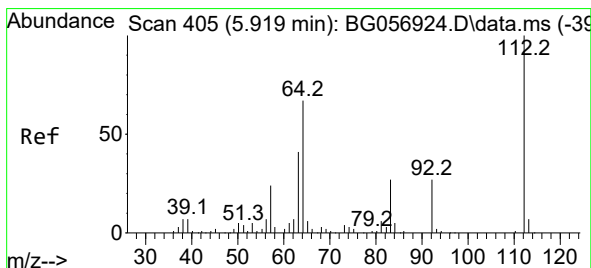
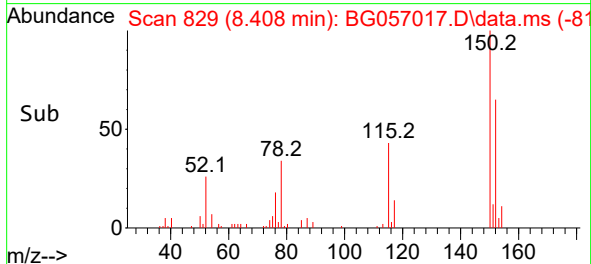
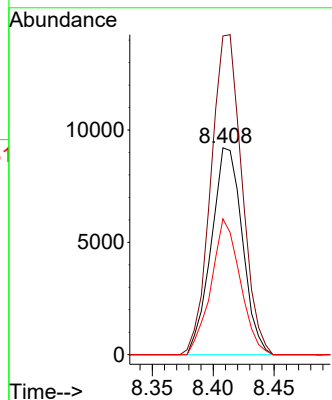
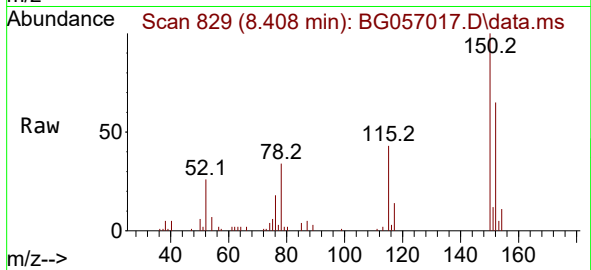




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.408 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG057017.D
Acq: 6 Apr 2023 18:19

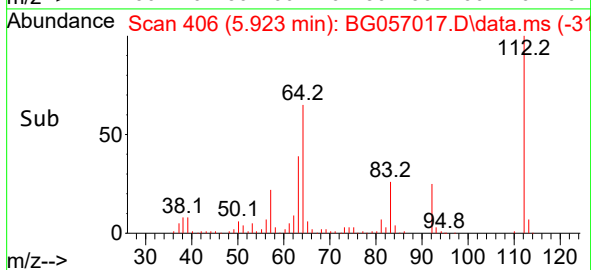
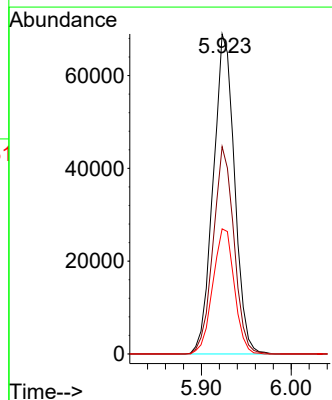
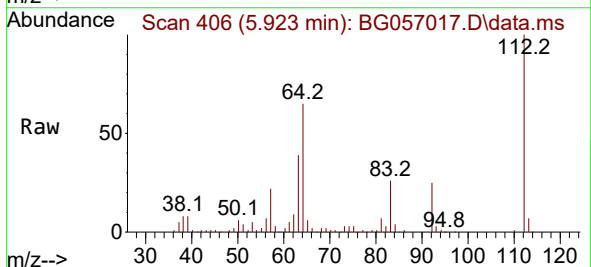
Instrument :
BNA_G
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72-11929

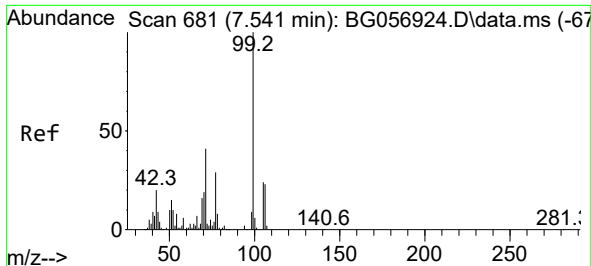
Tgt Ion:152 Resp: 16311
Ion Ratio Lower Upper
152 100
150 154.0 124.1 186.1
115 65.7 49.1 73.7



#5
2-Fluorophenol
Concen: 111.563 ng
RT: 5.923 min Scan# 406
Delta R.T. 0.007 min
Lab File: BG057017.D
Acq: 6 Apr 2023 18:19

Tgt Ion:112 Resp: 113700
Ion Ratio Lower Upper
112 100
64 64.8 53.2 79.8
63 39.1 32.6 48.8

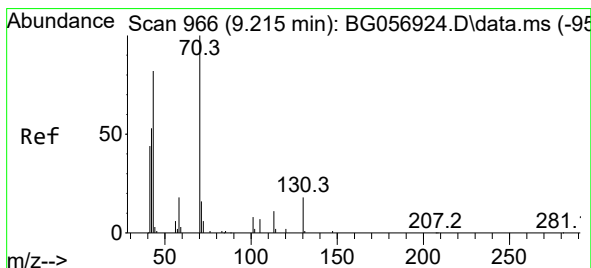
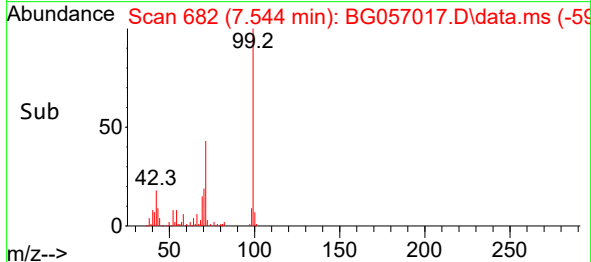
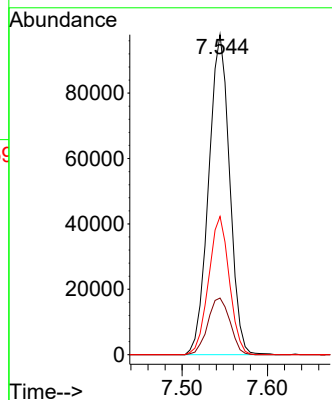
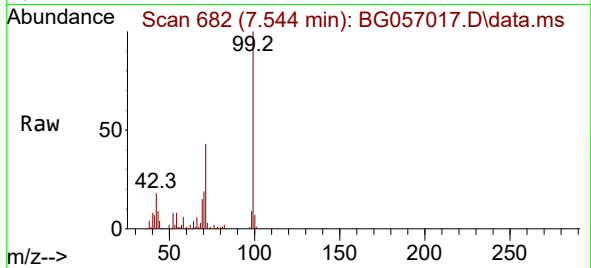




#7
Phenol-d6
Concen: 109.487 ng
RT: 7.544 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG057017.D
Acq: 6 Apr 2023 18:19

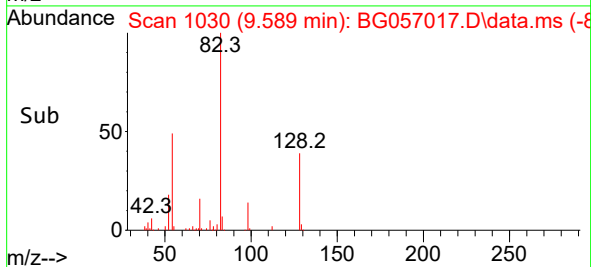
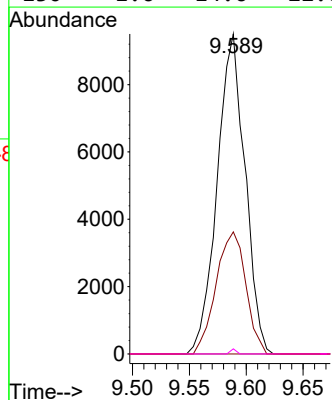
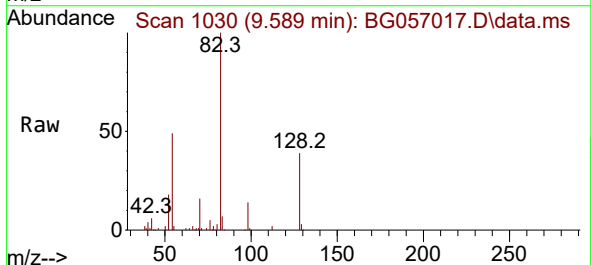
Instrument :
BNA_G
ClientSampleId :
72-11929

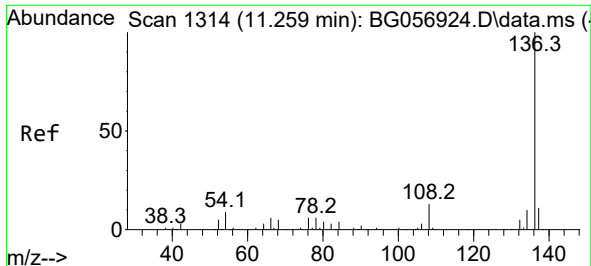
Tgt Ion: 99 Resp: 166888
Ion Ratio Lower Upper
99 100
42 17.7 15.7 23.5
71 43.2 32.5 48.7



#19
n-Nitroso-di-n-propylamine
Concen: 14.853 ng
RT: 9.589 min Scan# 1030
Delta R.T. 0.377 min
Lab File: BG057017.D
Acq: 6 Apr 2023 18:19

Tgt Ion: 70 Resp: 16194
Ion Ratio Lower Upper
70 100
42 38.2 43.4 65.0#
101 0.0 6.2 9.2#
130 1.6 14.6 22.0#

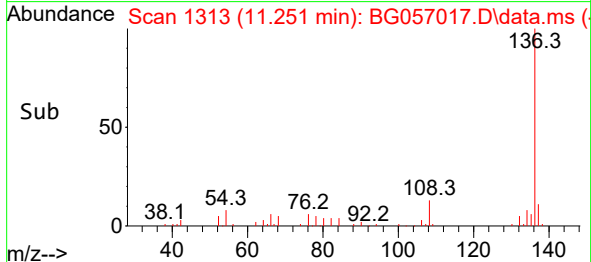
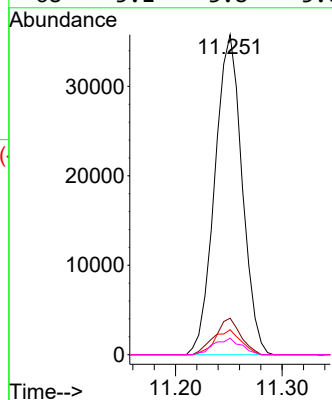
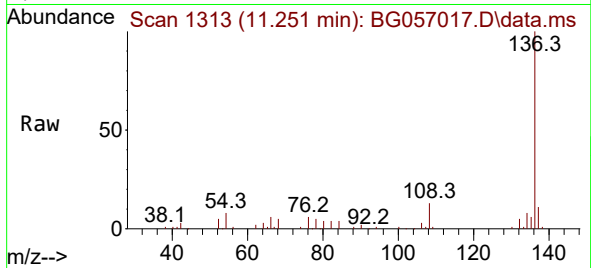




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.251 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG057017.D
Acq: 6 Apr 2023 18:19

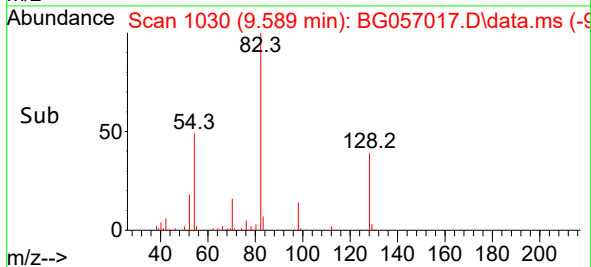
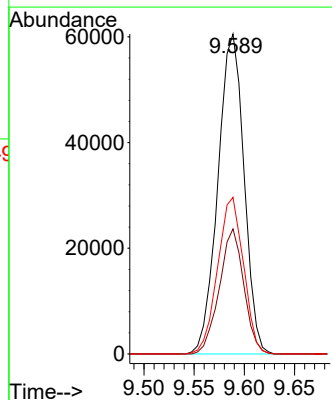
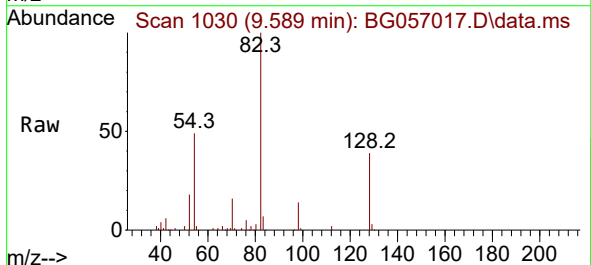
Instrument :
BNA_G
ClientSampleId :
72-11929

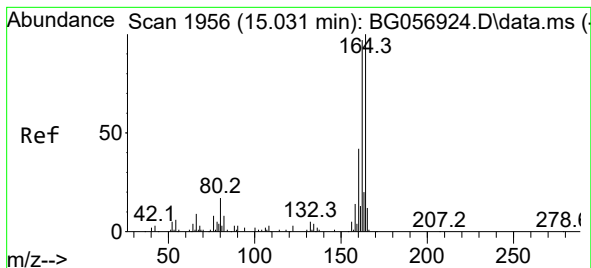
Tgt Ion:	136	Resp:	63513
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.6	13.0
54	7.8	6.9	10.3
68	5.1	3.8	5.6



#23
Nitrobenzene-d5
Concen: 70.413 ng
RT: 9.589 min Scan# 1030
Delta R.T. -0.005 min
Lab File: BG057017.D
Acq: 6 Apr 2023 18:19

Tgt Ion:	82	Resp:	109297
Ion Ratio	Lower	Upper	
82	100		
128	39.1	27.9	41.9
54	49.0	39.4	59.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.022 min Scan# 1955

Delta R.T. -0.005 min

Lab File: BG057017.D

Acq: 6 Apr 2023 18:19

Instrument :

BNA_G

ClientSampleId :

72-11929

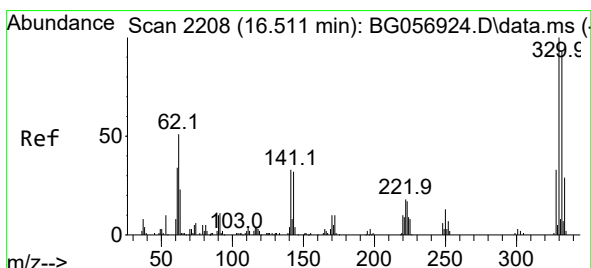
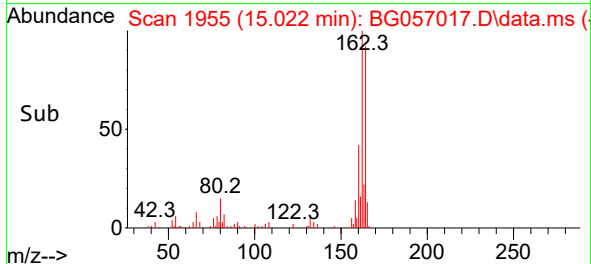
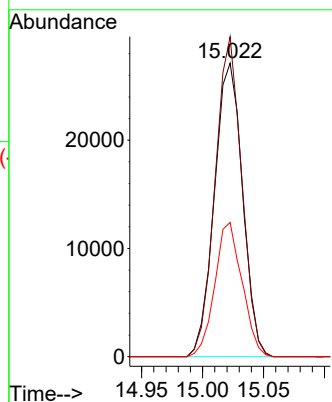
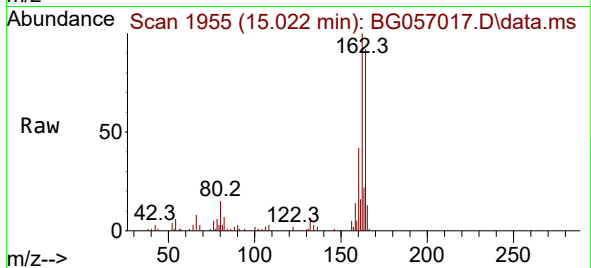
Tgt Ion:164 Resp: 43530

Ion Ratio Lower Upper

164 100

162 109.0 77.8 116.8

160 45.7 33.5 50.3



#42

2,4,6-Tribromophenol

Concen: 114.766 ng

RT: 16.503 min Scan# 2207

Delta R.T. -0.005 min

Lab File: BG057017.D

Acq: 6 Apr 2023 18:19

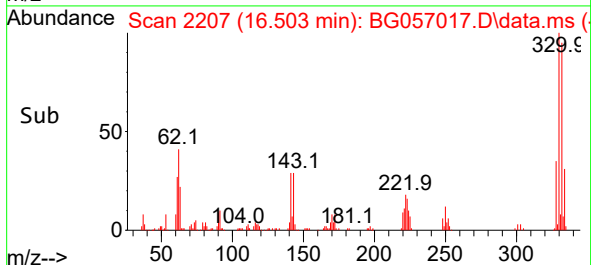
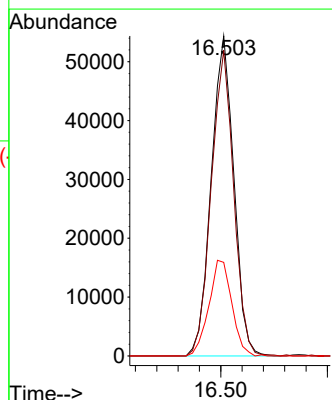
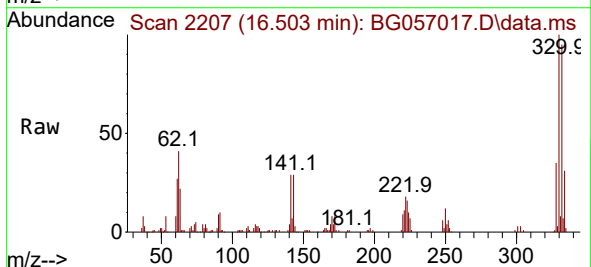
Tgt Ion:330 Resp: 79809

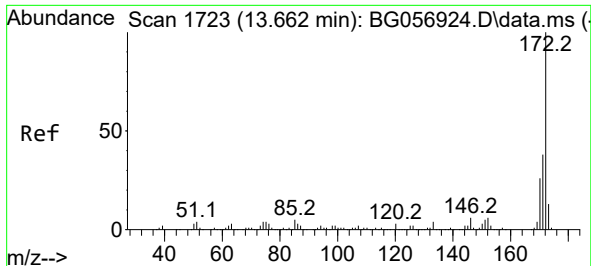
Ion Ratio Lower Upper

330 100

332 94.8 76.1 114.1

141 30.4 25.8 38.6

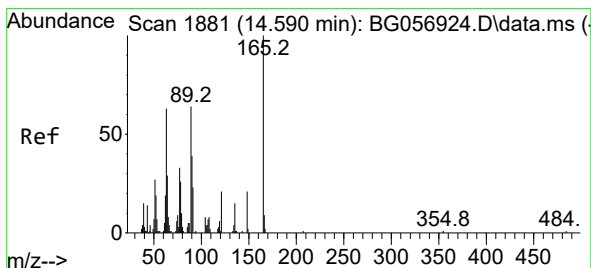
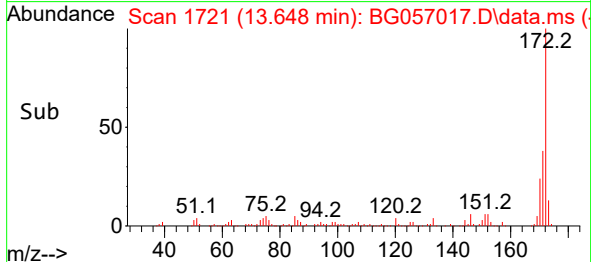
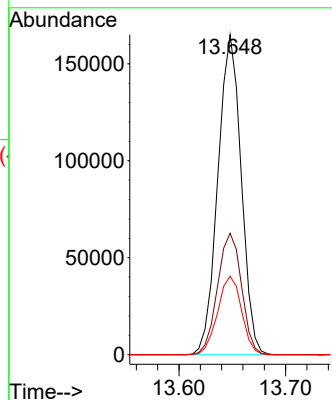
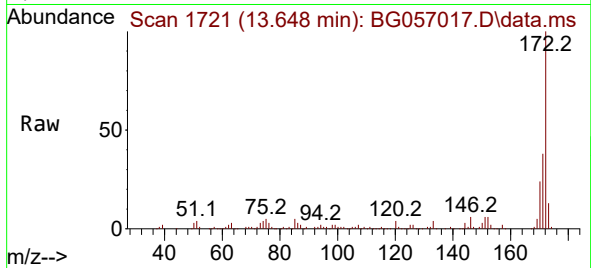




#45
2-Fluorobiphenyl
Concen: 77.933 ng
RT: 13.648 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG057017.D
Acq: 6 Apr 2023 18:19

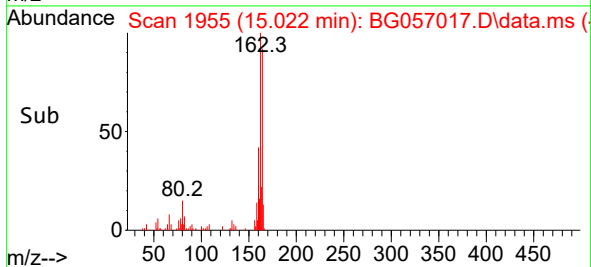
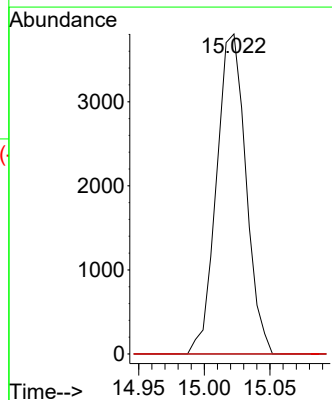
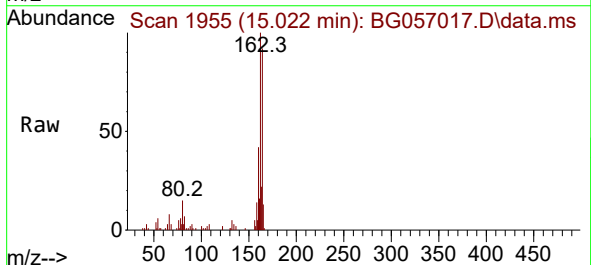
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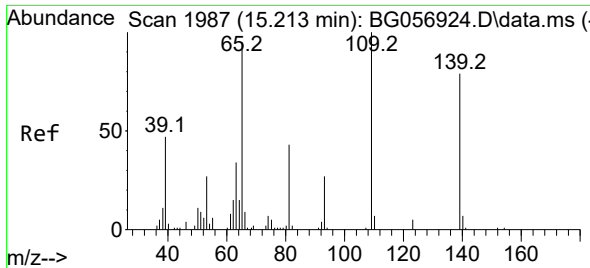
Tgt Ion:172 Resp: 250176
Ion Ratio Lower Upper
172 100
171 38.0 30.6 46.0
170 24.5 20.6 30.8



#51
2,6-Dinitrotoluene
Concen: 7.983 ng
RT: 15.022 min Scan# 1955
Delta R.T. 0.435 min
Lab File: BG057017.D
Acq: 6 Apr 2023 18:19

Tgt Ion:165 Resp: 5916
Ion Ratio Lower Upper
165 100
63 0.0 53.0 79.6#
89 0.0 51.0 76.4#

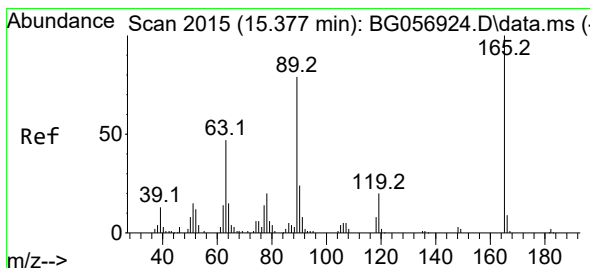
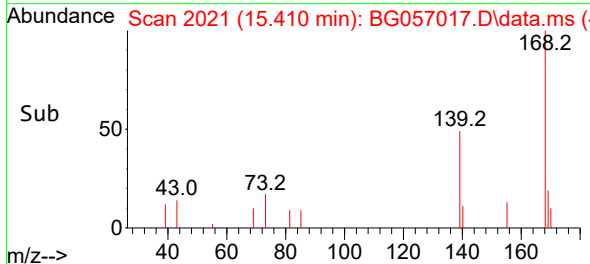
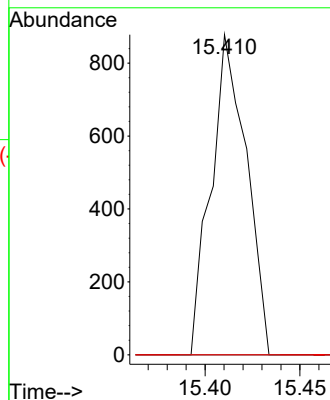
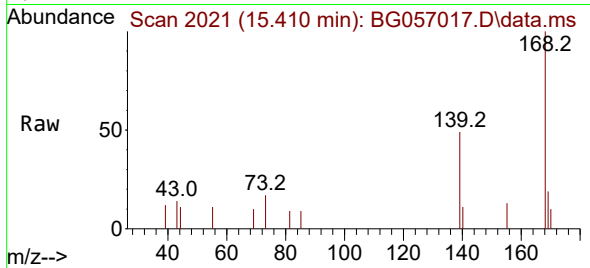




#56
4-Nitrophenol
Concen: 2.104 ng
RT: 15.410 min Scan# 20
Delta R.T. 0.200 min
Lab File: BG057017.D
Acq: 6 Apr 2023 18:19

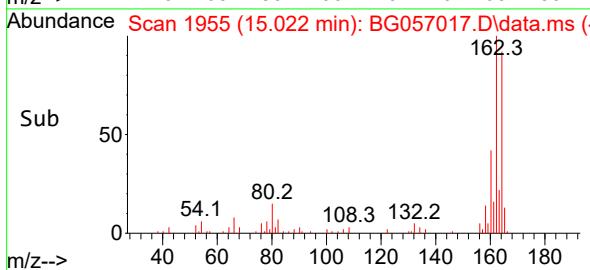
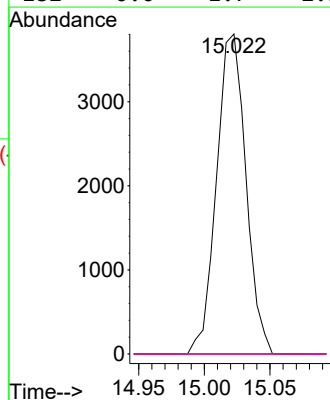
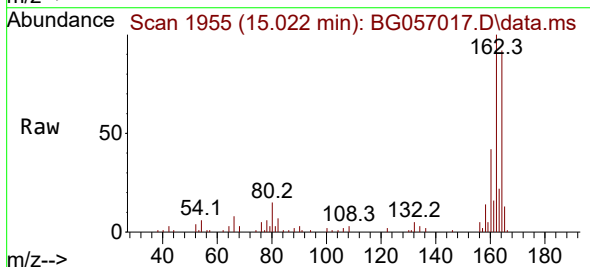
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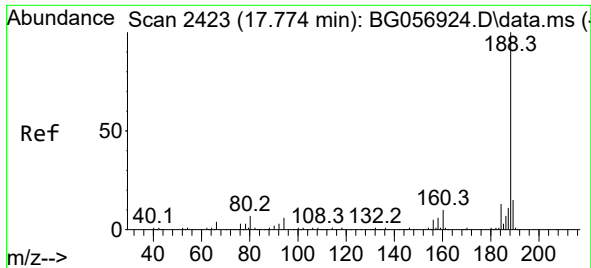
Tgt Ion:139 Resp: 1141
Ion Ratio Lower Upper
139 100
109 0.0 106.7 146.7#
65 0.0 100.5 140.5#



#57
2,4-Dinitrotoluene
Concen: 5.660 ng
RT: 15.022 min Scan# 1955
Delta R.T. -0.352 min
Lab File: BG057017.D
Acq: 6 Apr 2023 18:19

Tgt Ion:165 Resp: 5916
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#

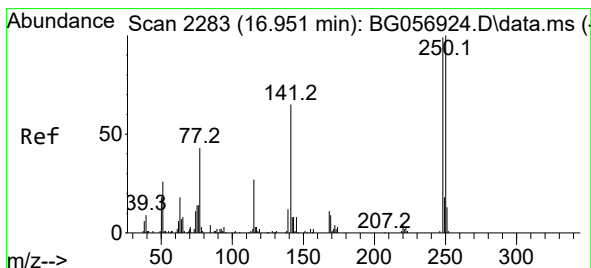
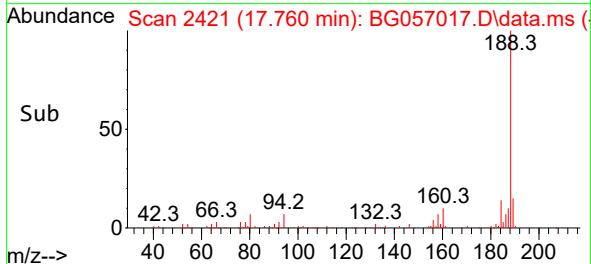
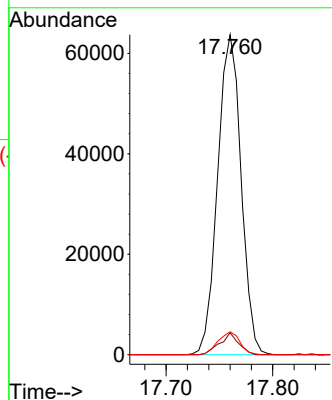
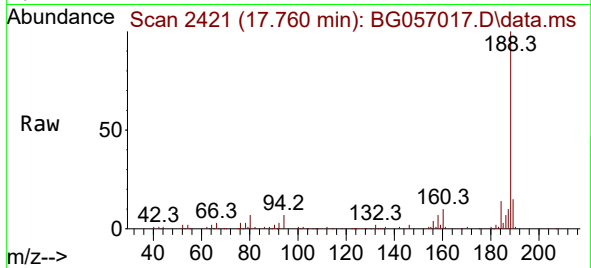




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.760 min Scan# 2423
Delta R.T. -0.005 min
Lab File: BG057017.D
Acq: 6 Apr 2023 18:19

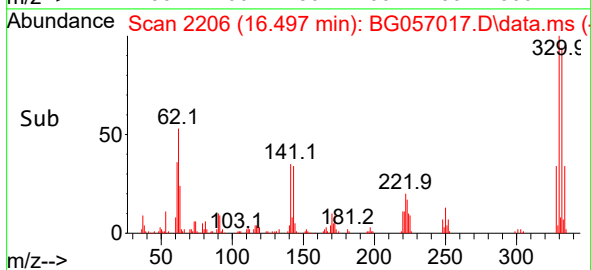
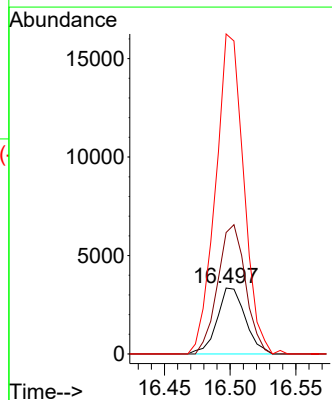
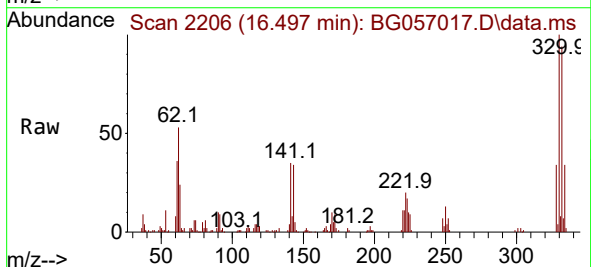
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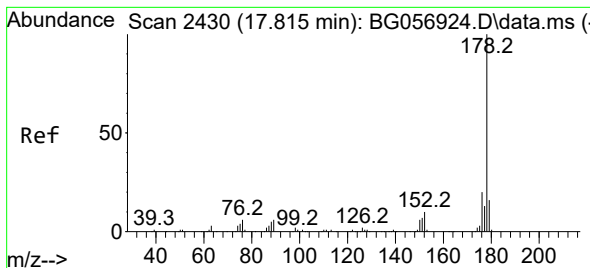
Tgt Ion:188 Resp: 97161
Ion Ratio Lower Upper
188 100
94 6.9 4.6 6.8#
80 7.2 5.5 8.3



#67
4-Bromophenyl-phenylether
Concen: 4.162 ng
RT: 16.497 min Scan# 2206
Delta R.T. -0.440 min
Lab File: BG057017.D
Acq: 6 Apr 2023 18:19

Tgt Ion:248 Resp: 5004
Ion Ratio Lower Upper
248 100
250 184.0 80.5 120.7#
141 485.2 52.0 78.0#





#71

Phenanthrene

Concen: 7.567 ng

RT: 17.801 min Scan# 24

Delta R.T. -0.005 min

Lab File: BG057017.D

Acq: 6 Apr 2023 18:19

Instrument :

BNA_G

ClientSampleId :

72-11929

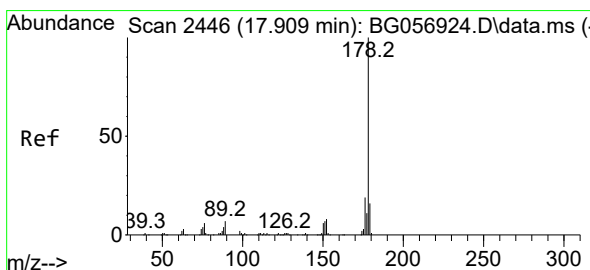
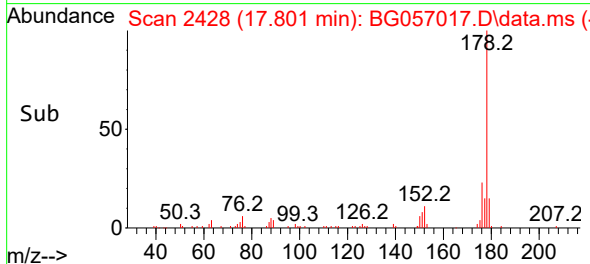
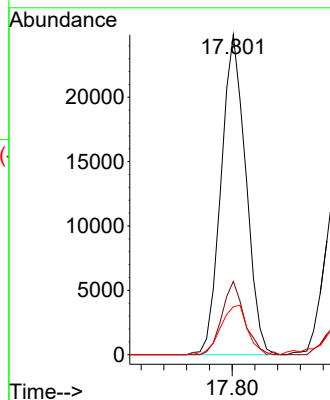
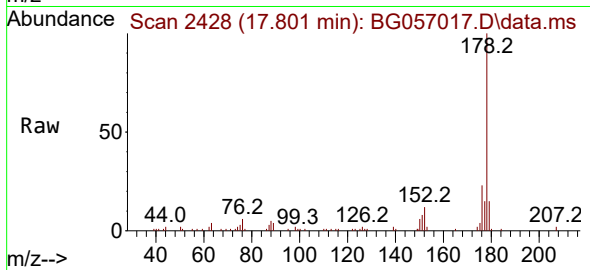
Tgt Ion:178 Resp: 37487

Ion Ratio Lower Upper

178 100

176 22.9 16.2 24.2

179 15.0 12.5 18.7



#72

Anthracene

Concen: 4.088 ng

RT: 17.889 min Scan# 2443

Delta R.T. -0.011 min

Lab File: BG057017.D

Acq: 6 Apr 2023 18:19

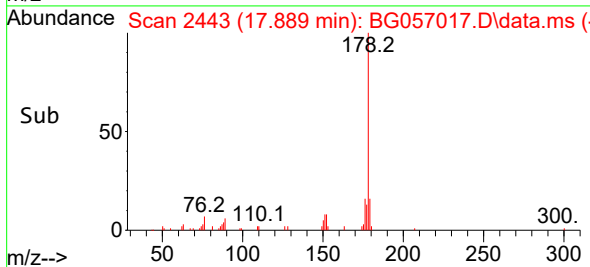
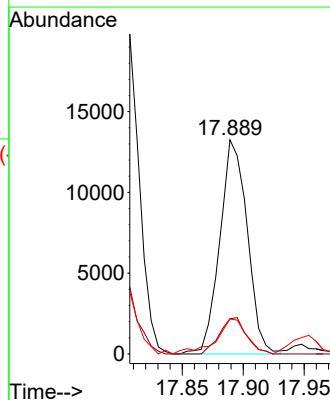
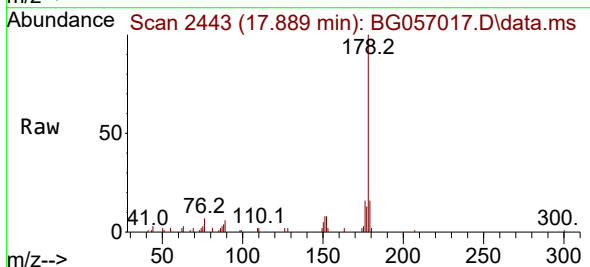
Tgt Ion:178 Resp: 20761

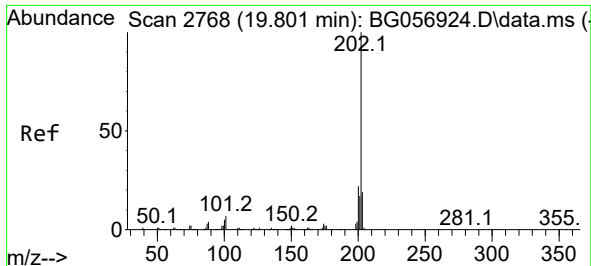
Ion Ratio Lower Upper

178 100

176 16.4 15.4 23.2

179 16.3 12.4 18.6

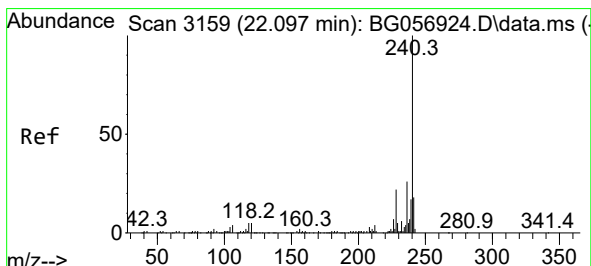
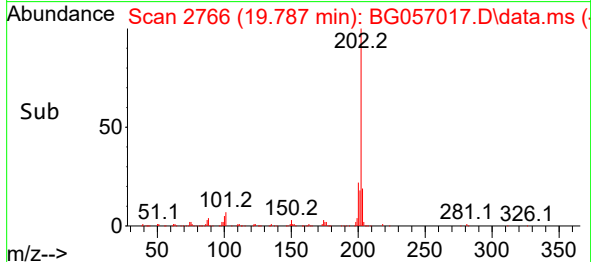
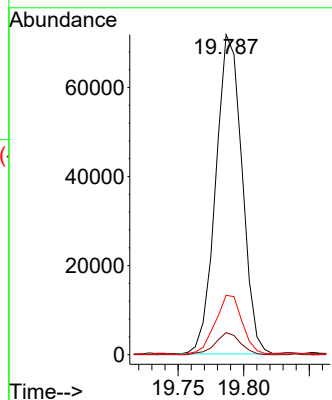
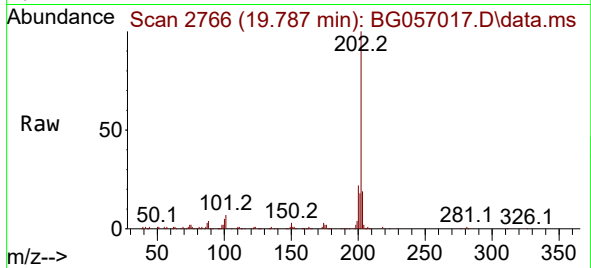




#75
Fluoranthene
Concen: 15.877 ng
RT: 19.787 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG057017.D
Acq: 6 Apr 2023 18:19

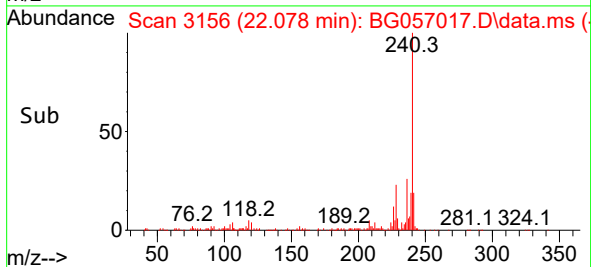
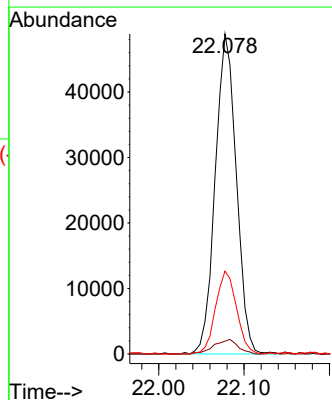
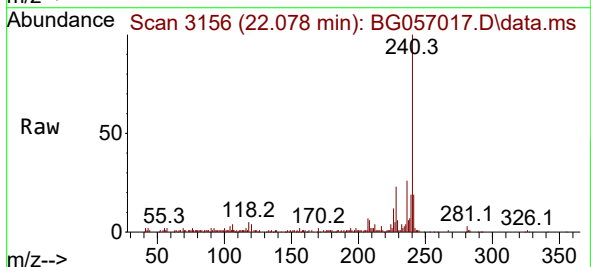
Instrument :
BNA_G
ClientSampleId :
72-11929

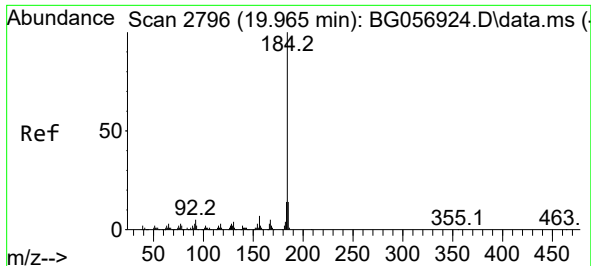
Tgt Ion:202 Resp: 99699
Ion Ratio Lower Upper
202 100
101 6.9 0.0 26.7
203 18.5 0.0 39.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.078 min Scan# 3156
Delta R.T. -0.011 min
Lab File: BG057017.D
Acq: 6 Apr 2023 18:19

Tgt Ion:240 Resp: 84026
Ion Ratio Lower Upper
240 100
120 4.0 3.8 5.6
236 25.9 21.0 31.6

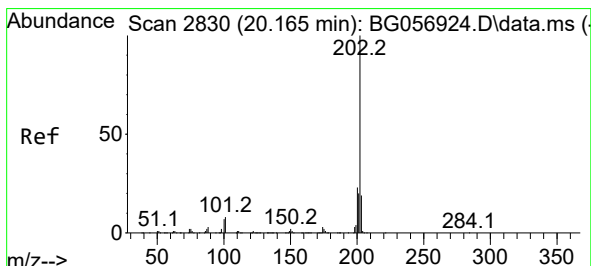
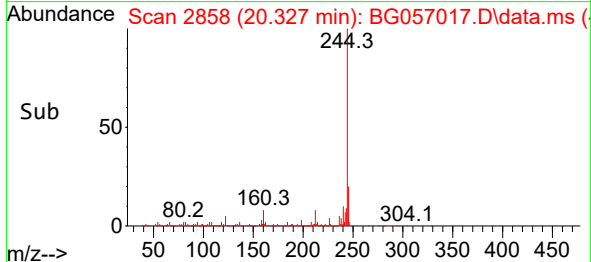
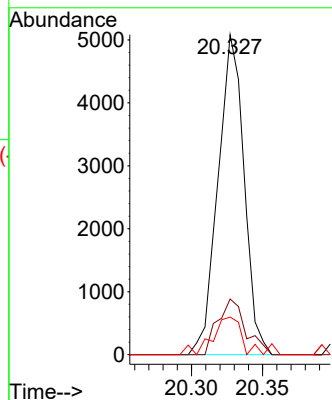
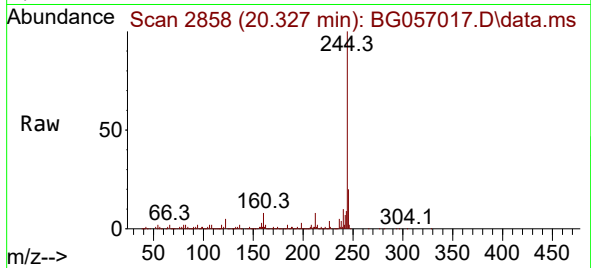




#77
Benzidine
Concen: 2.823 ng
RT: 20.327 min Scan# 21
Delta R.T. 0.371 min
Lab File: BG057017.D
Acq: 6 Apr 2023 18:19

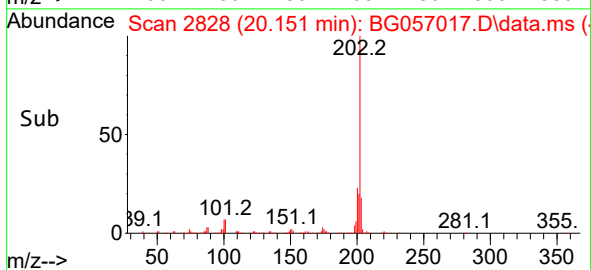
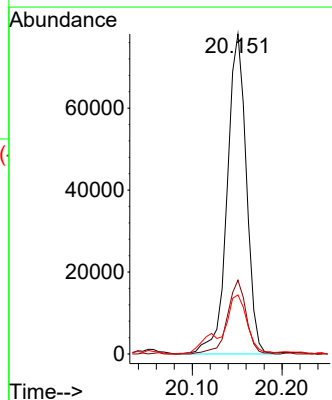
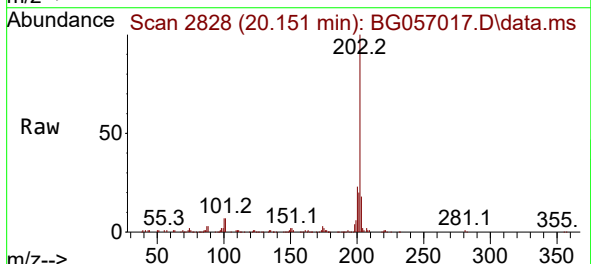
Instrument :
BNA_G
ClientSampleId :
72-11929

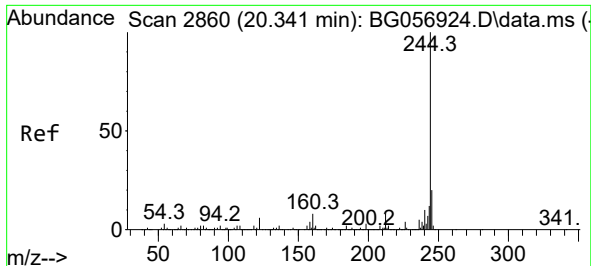
Tgt Ion:184 Resp: 6483
Ion Ratio Lower Upper
184 100
185 17.4 11.0 16.4#
183 11.8 11.4 17.0



#78
Pyrene
Concen: 19.910 ng
RT: 20.151 min Scan# 2828
Delta R.T. 0.001 min
Lab File: BG057017.D
Acq: 6 Apr 2023 18:19

Tgt Ion:202 Resp: 115710
Ion Ratio Lower Upper
202 100
200 23.1 18.7 28.1
203 18.5 15.4 23.2

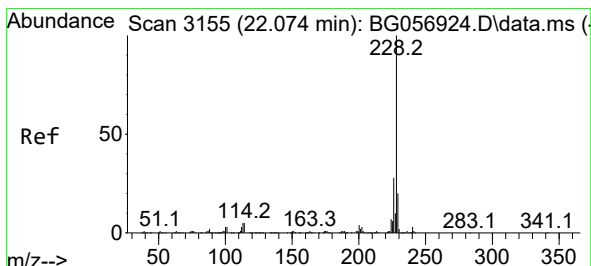
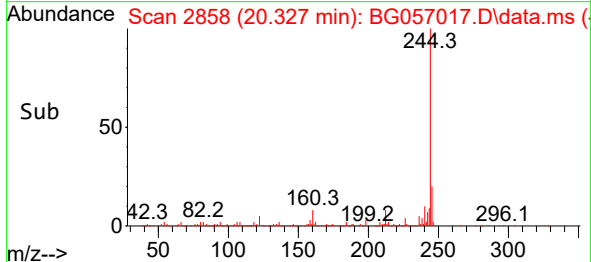
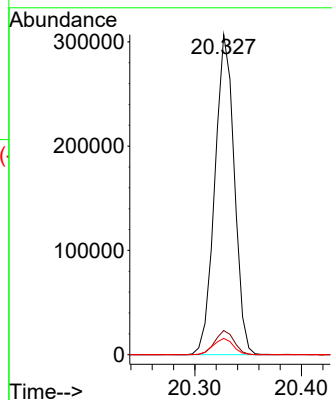
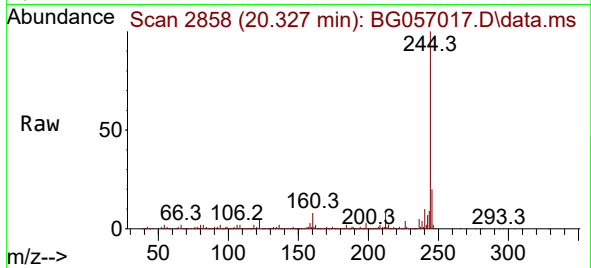




#79
 Terphenyl-d14
 Concen: 78.436 ng
 RT: 20.327 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG057017.D
 Acq: 6 Apr 2023 18:19

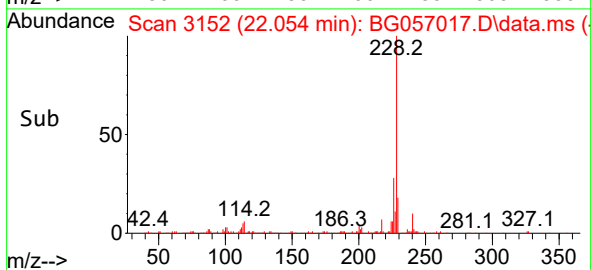
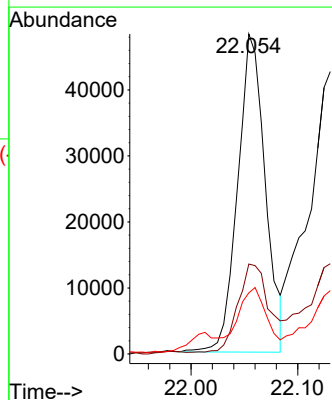
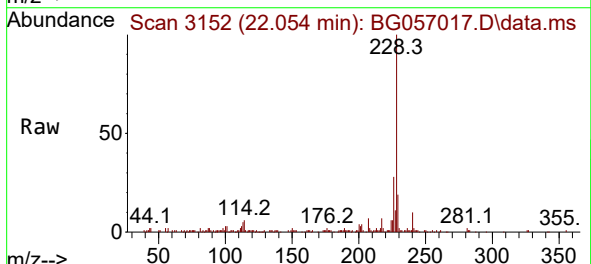
Instrument :
 BNA_G
 ClientSampleId :
 72-11929

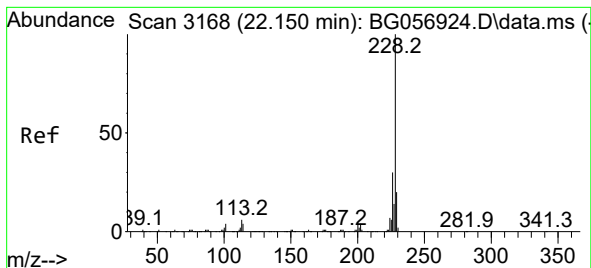
Tgt Ion:244 Resp: 389483
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.1 9.1
 122 5.1 5.0 7.4



#81
 Benzo(a)anthracene
 Concen: 14.908 ng
 RT: 22.054 min Scan# 3152
 Delta R.T. -0.011 min
 Lab File: BG057017.D
 Acq: 6 Apr 2023 18:19

Tgt Ion:228 Resp: 86683
 Ion Ratio Lower Upper
 228 100
 226 28.1 22.1 33.1
 229 19.1 16.1 24.1





#83

Chrysene

Concen: 17.508 ng

RT: 22.131 min Scan# 3165

Delta R.T. -0.005 min

Lab File: BG057017.D

Acq: 6 Apr 2023 18:19

Instrument :

BNA_G

ClientSampleId :

72-11929

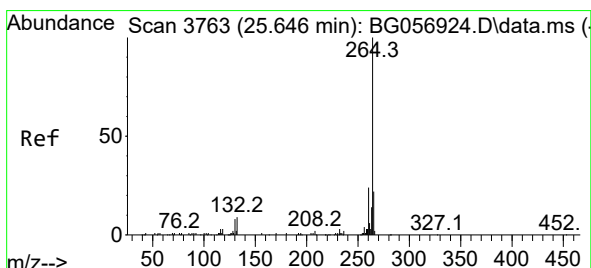
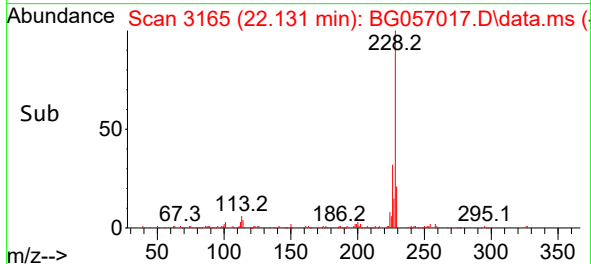
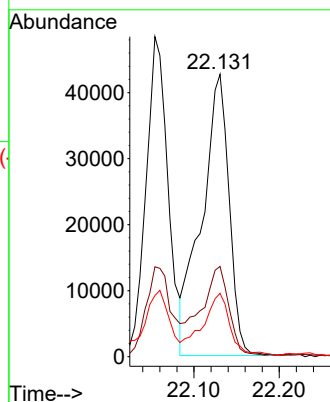
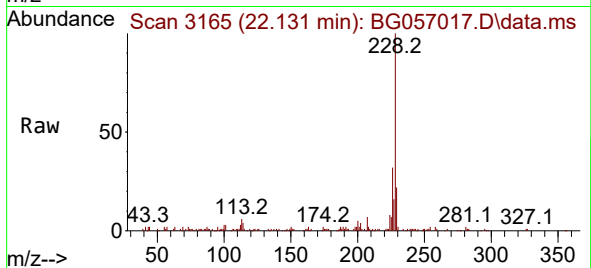
Tgt Ion:228 Resp: 95318

Ion Ratio Lower Upper

228 100

226 32.0 24.1 36.1

229 22.4 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.620 min Scan# 3759

Delta R.T. -0.005 min

Lab File: BG057017.D

Acq: 6 Apr 2023 18:19

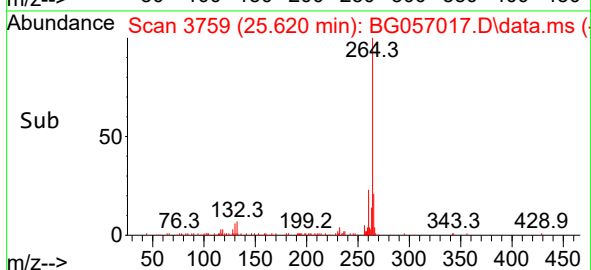
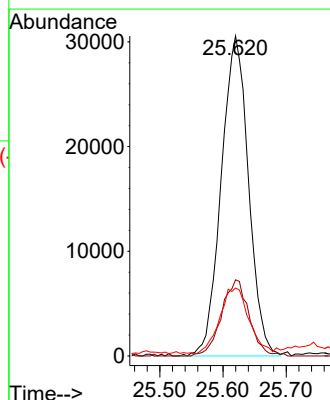
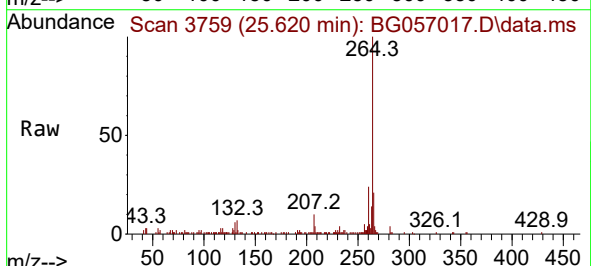
Tgt Ion:264 Resp: 91579

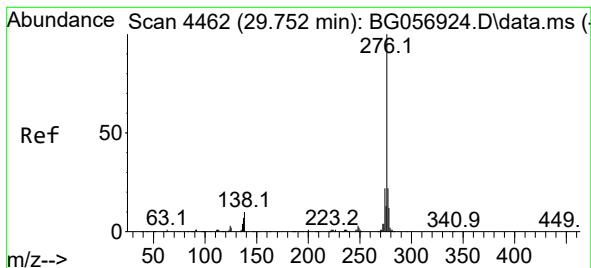
Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.4

265 21.3 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.665 ng

RT: 29.697 min Scan# 4453

Delta R.T. -0.029 min

Lab File: BG057017.D

Acq: 6 Apr 2023 18:19

Instrument :

BNA_G

ClientSampleId :

72-11929

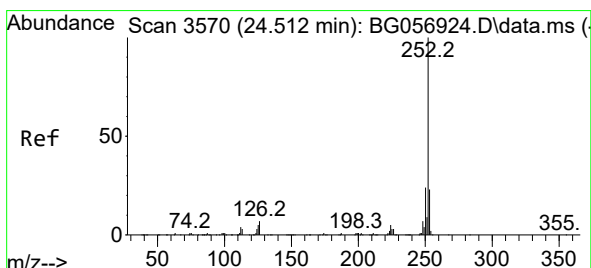
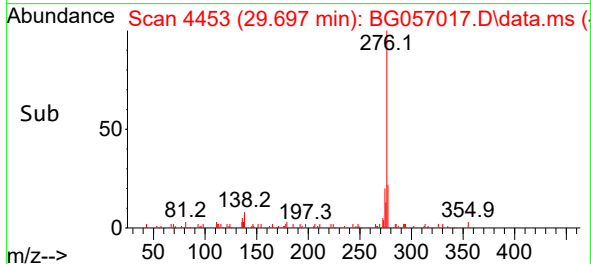
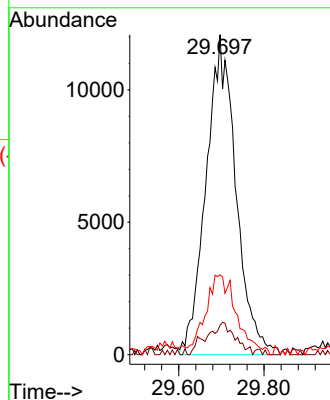
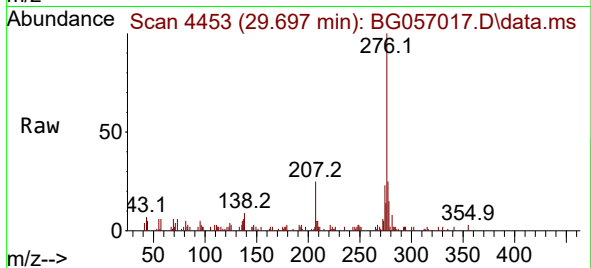
Tgt Ion:276 Resp: 58645

Ion Ratio Lower Upper

276 100

138 7.8 7.7 11.5

277 26.0 21.0 31.4



#88

Benzo(b)fluoranthene

Concen: 26.012 ng

RT: 24.480 min Scan# 3565

Delta R.T. -0.011 min

Lab File: BG057017.D

Acq: 6 Apr 2023 18:19

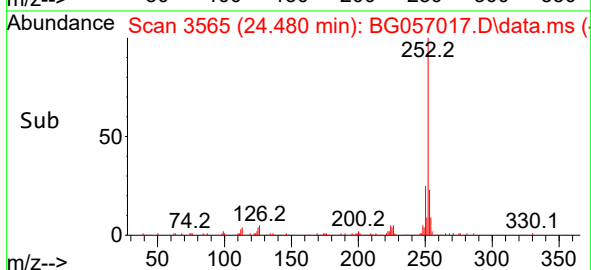
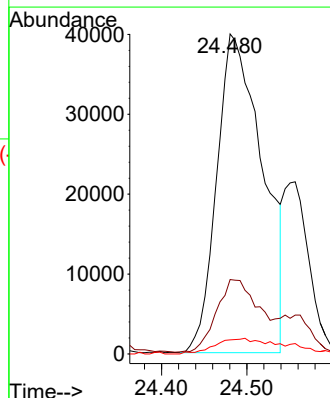
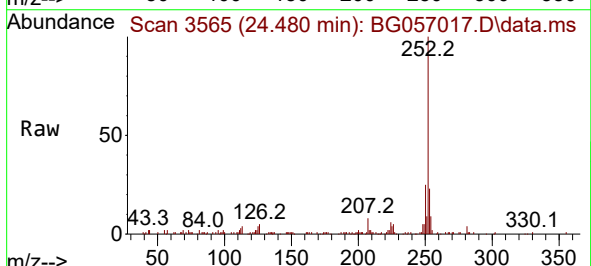
Tgt Ion:252 Resp: 148961

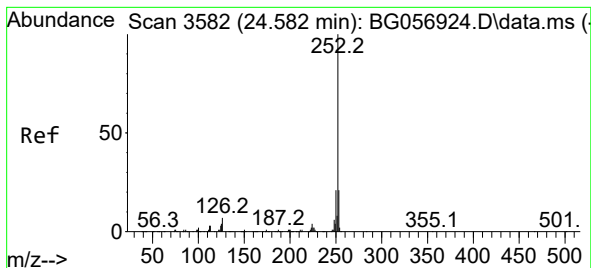
Ion Ratio Lower Upper

252 100

253 23.3 18.1 27.1

125 4.4 4.2 6.4





#89

Benzo(k)fluoranthene

Concen: 26.055 ng

RT: 24.480 min Scan# 31

Delta R.T. -0.087 min

Lab File: BG057017.D

Acq: 6 Apr 2023 18:19

Instrument :

BNA_G

ClientSampleId :

72-11929

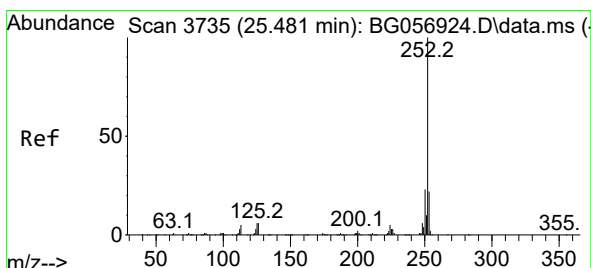
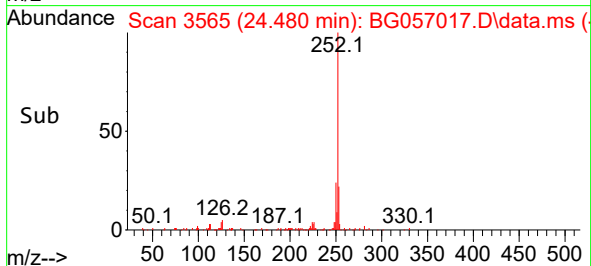
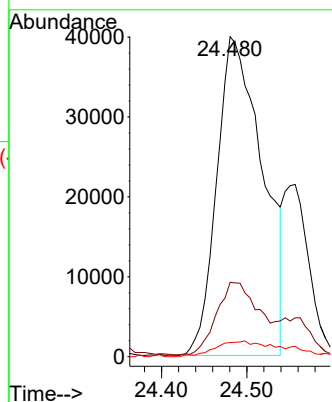
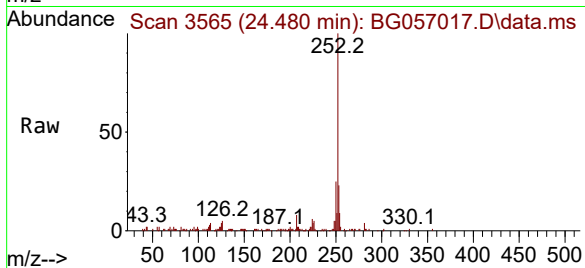
Tgt Ion:252 Resp: 148961

Ion Ratio Lower Upper

252 100

253 23.3 17.1 25.7

125 4.4 3.8 5.6



#90

Benzo(a)pyrene

Concen: 16.239 ng

RT: 25.455 min Scan# 3731

Delta R.T. -0.005 min

Lab File: BG057017.D

Acq: 6 Apr 2023 18:19

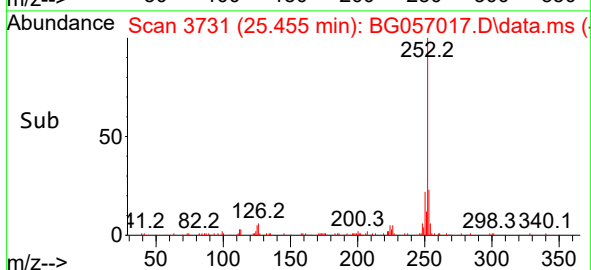
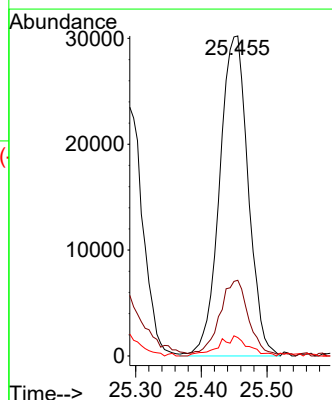
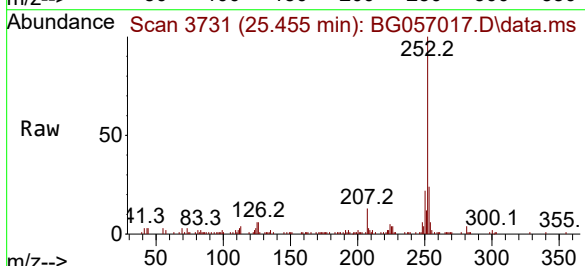
Tgt Ion:252 Resp: 91382

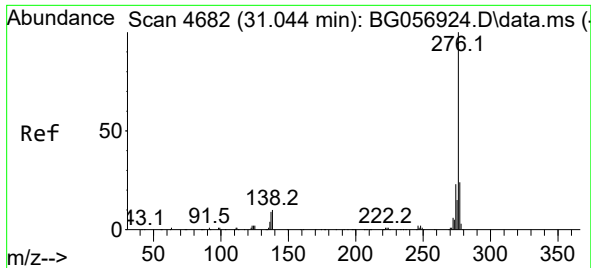
Ion Ratio Lower Upper

252 100

253 23.6 17.6 26.4

125 5.7 4.5 6.7





#92
 Benzo(g,h,i)perylene
 Concen: 9.811 ng
 RT: 30.995 min Scan# 4
 Delta R.T. -0.017 min
 Lab File: BG057017.D
 Acq: 6 Apr 2023 18:19

Instrument :
 BNA_G
 ClientSampleId :
 72-11929

Tgt Ion:276 Resp: 53443
 Ion Ratio Lower Upper
 276 100
 277 23.0 19.1 28.7
 138 17.1 8.2 12.2#

