

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062923\
 Data File : BG057910.D
 Acq On : 29 Jun 2023 18:50
 Operator : CG/JU
 Sample : 03434-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RT2665

Quant Time: Jun 30 03:43:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 01:12:33 2023
 Response via : Initial Calibration

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

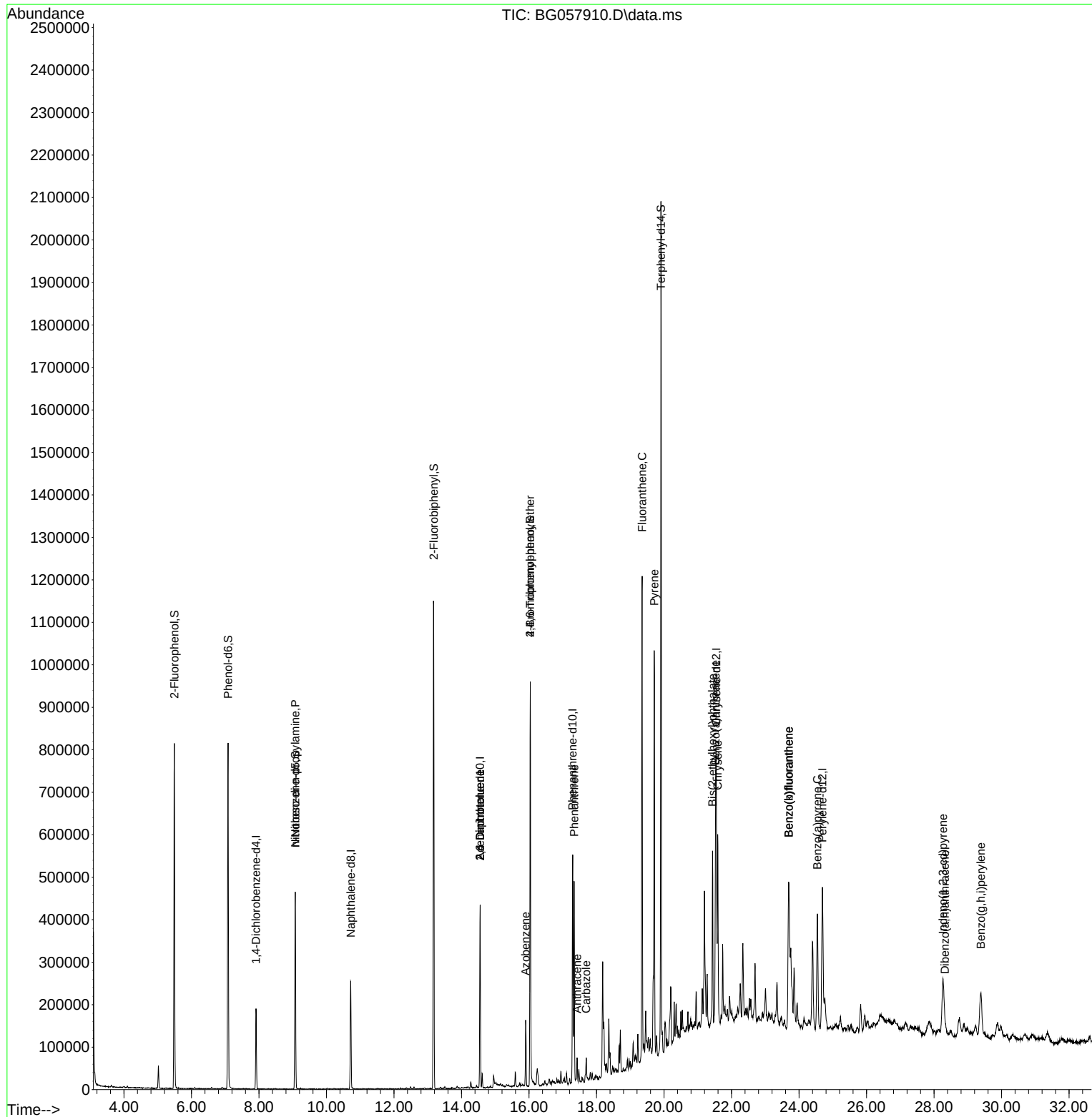
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.911	152	51681	20.000	ng	-0.02
21) Naphthalene-d8	10.719	136	218047	20.000	ng	0.00
39) Acenaphthene-d10	14.550	164	150064	20.000	ng	0.00
64) Phenanthrene-d10	17.294	188	336333	20.000	ng	0.00
76) Chrysene-d12	21.548	240	282450	20.000	ng	0.00
86) Perylene-d12	24.691	264	350794	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.490	112	353126	104.542	ng	0.00
7) Phenol-d6	7.082	99	504494	99.878	ng	0.00
23) Nitrobenzene-d5	9.074	82	279160	62.743	ng	-0.01
42) 2,4,6-Tribromophenol	16.037	330	209997	83.317	ng	0.00
45) 2-Fluorobiphenyl	13.175	172	638906	64.972	ng	0.00
79) Terphenyl-d14	19.909	244	1000109	64.553	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.082	77	860	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	9.074	70	34952	10.341	ng	# 74
51) 2,6-Dinitrotoluene	14.550	165	19267	7.802	ng	# 25
57) 2,4-Dinitrotoluene	14.550	165	19267	5.377	ng	# 22
63) Azobenzene	15.902	77	43301	3.612	ng	# 1
67) 4-Bromophenyl-phenylether	16.037	248	13322	3.752	ng	# 1
71) Phenanthrene	17.335	178	286376	17.738	ng	98
72) Anthracene	17.423	178	36360	2.184	ng	98
73) Carbazole	17.694	167	34122	2.155	ng	97
75) Fluoranthene	19.350	202	705308	34.677	ng	99
78) Pyrene	19.709	202	608932	30.193	ng	99
81) Benzo(a)anthracene	21.524	228	285761	14.620	ng	100
83) Chrysene	21.589	228	323851	17.504	ng	97
84) Bis(2-ethylhexyl)phtha...	21.436	149	164834	14.196	ng	100
87) Indeno(1,2,3-cd)pyrene	28.264	276	222256	9.564	ng	# 97
88) Benzo(b)fluoranthene	23.692	252	455896	23.828	ng	97
89) Benzo(k)fluoranthene	23.692	252	455896	23.576	ng	98
90) Benzo(a)pyrene	24.544	252	292450	15.430	ng	99
91) Dibenzo(a,h)anthracene	28.322	278	53008	2.750	ng	# 92
92) Benzo(g,h,i)perylene	29.386	276	219693	11.467	ng	98

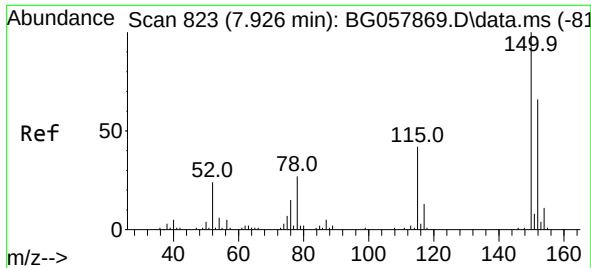
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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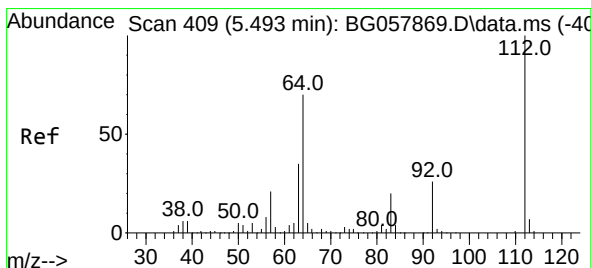
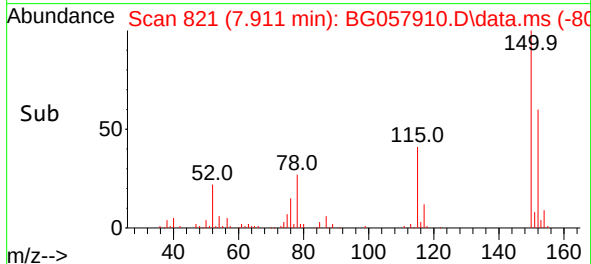
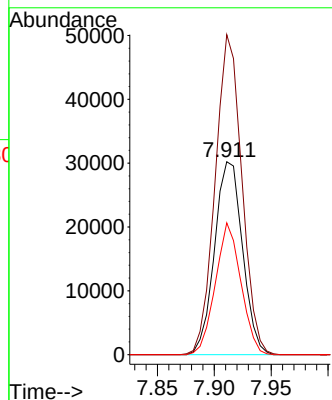
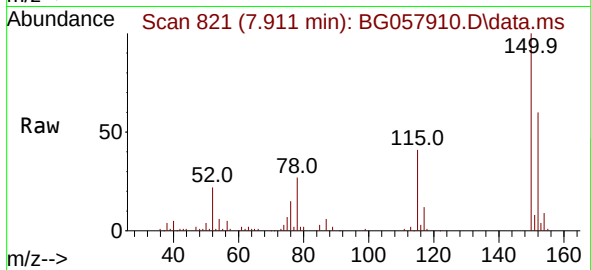




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.911 min Scan# 81
Delta R.T. -0.015 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50

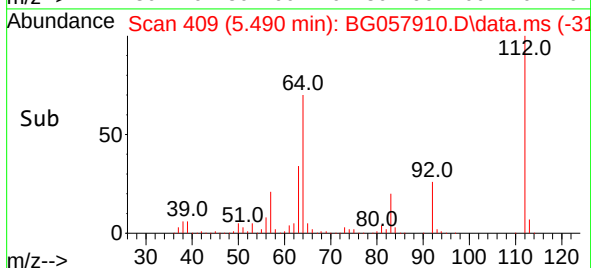
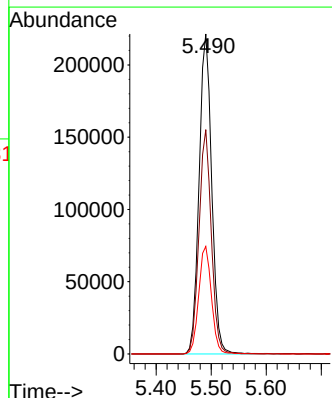
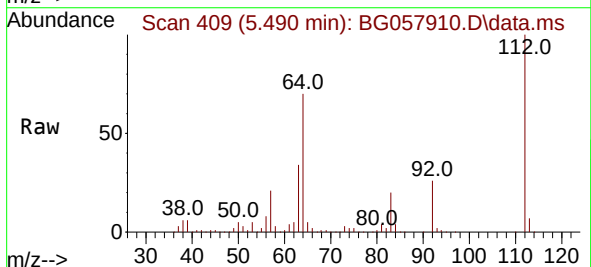
Instrument :
BNA_G
ClientSampleId :
RT2665

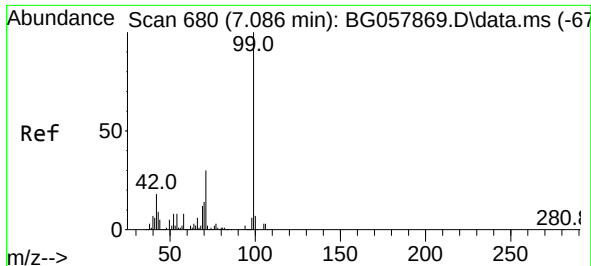
Tgt Ion:152 Resp: 51681
Ion Ratio Lower Upper
152 100
150 165.9 122.0 183.0
115 68.4 50.7 76.1



#5
2-Fluorophenol
Concen: 104.542 ng
RT: 5.490 min Scan# 409
Delta R.T. -0.003 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50

Tgt Ion:112 Resp: 353126
Ion Ratio Lower Upper
112 100
64 70.1 55.8 83.6
63 33.6 27.9 41.9

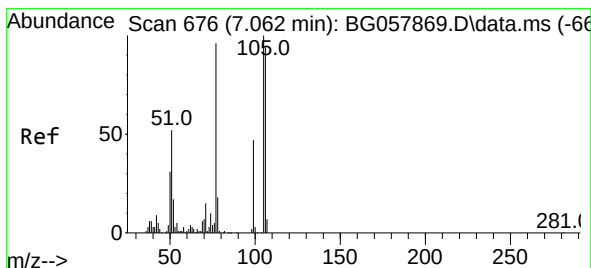
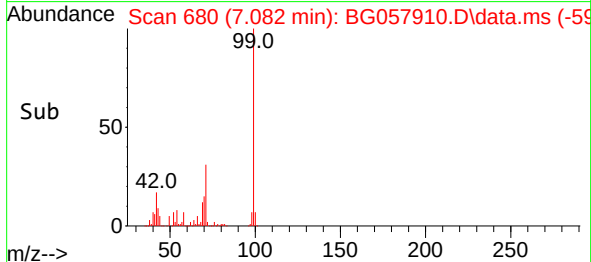
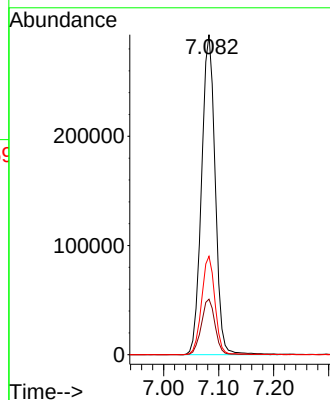
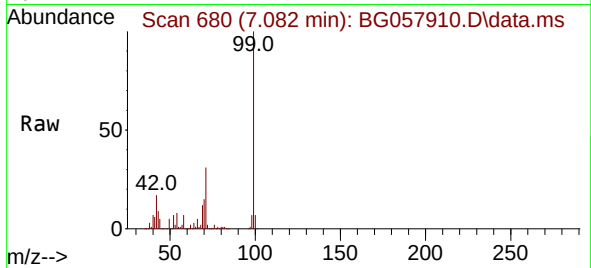




#7
Phenol-d6
Concen: 99.878 ng
RT: 7.082 min Scan# 680
Delta R.T. -0.003 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50

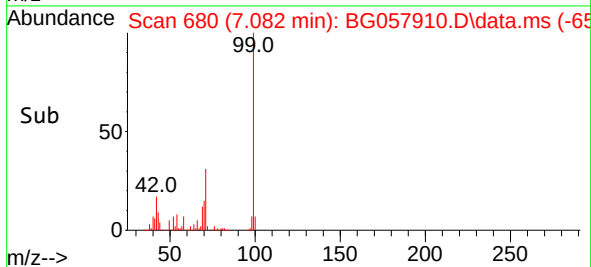
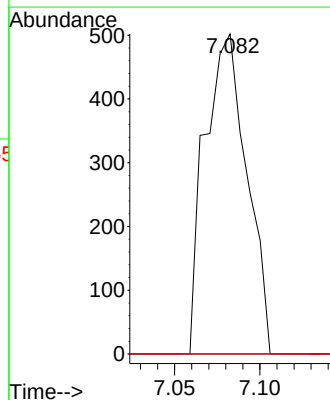
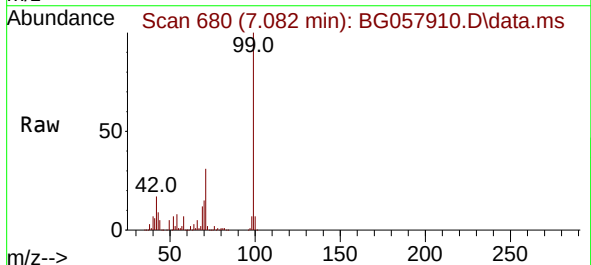
Instrument :
BNA_G
ClientSampleId :
RT2665

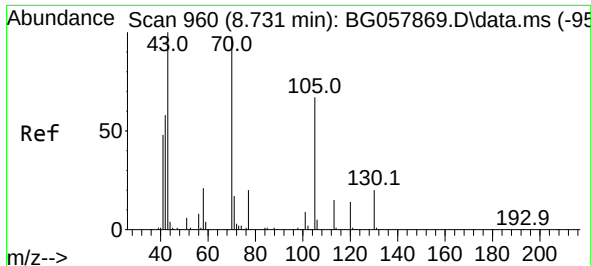
Tgt Ion: 99 Resp: 504494
Ion Ratio Lower Upper
99 100
42 17.4 14.2 21.4
71 30.7 23.9 35.9



#9
Benzaldehyde
Concen: Below Cal
RT: 7.082 min Scan# 680
Delta R.T. 0.020 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50

Tgt Ion: 77 Resp: 860
Ion Ratio Lower Upper
77 100
105 0.0 83.7 123.7#
106 0.0 77.4 117.4#

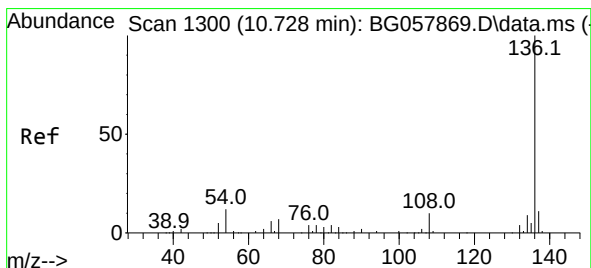
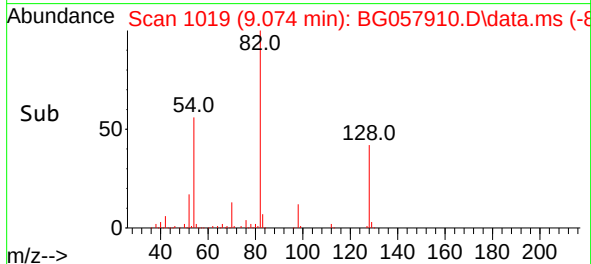
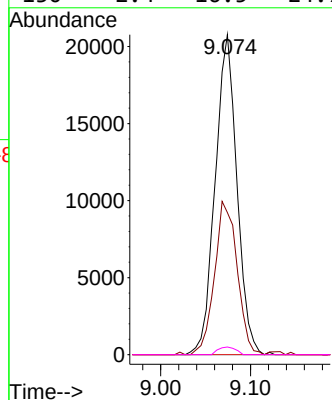
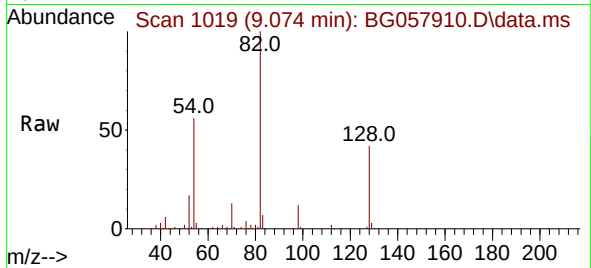




#19
n-Nitroso-di-n-propylamine
Concen: 10.341 ng
RT: 9.074 min Scan# 1019
Delta R.T. 0.344 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50

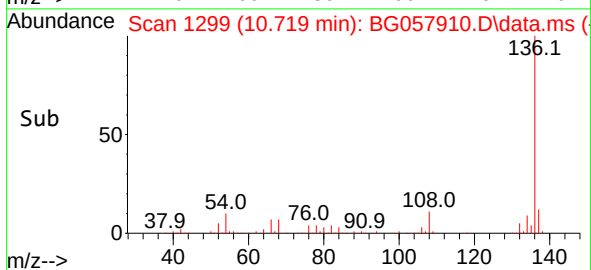
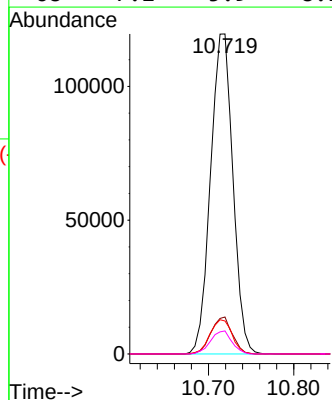
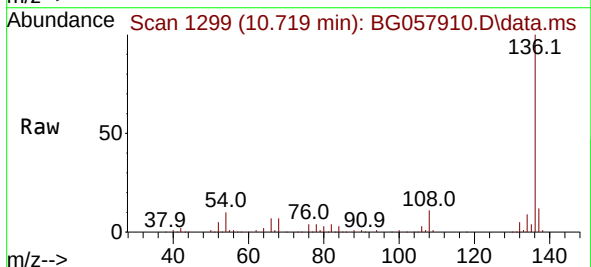
Instrument :
BNA_G
ClientSampleId :
RT2665

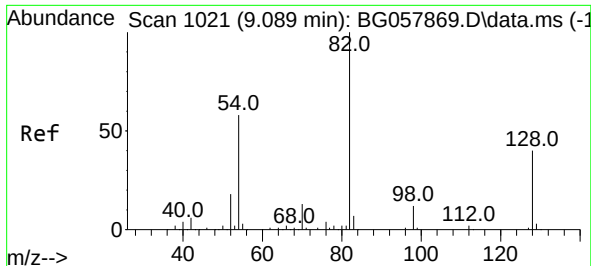
Tgt Ion: 70 Resp: 34952
Ion Ratio Lower Upper
70 100
42 44.4 48.4 72.6#
101 0.0 7.2 10.8#
130 2.4 16.5 24.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.719 min Scan# 1299
Delta R.T. -0.009 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50

Tgt Ion: 136 Resp: 218047
Ion Ratio Lower Upper
136 100
137 11.5 8.6 12.8
54 10.3 9.3 13.9
68 7.2 5.9 8.9

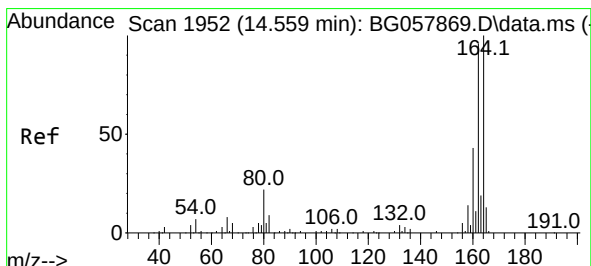
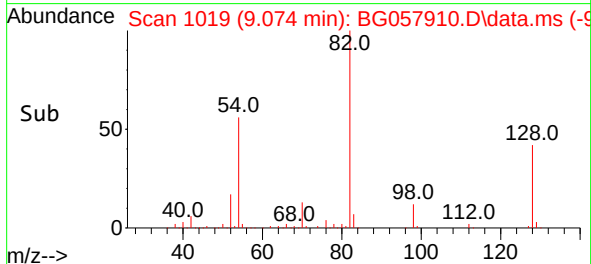
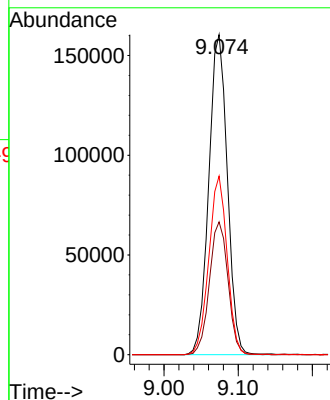
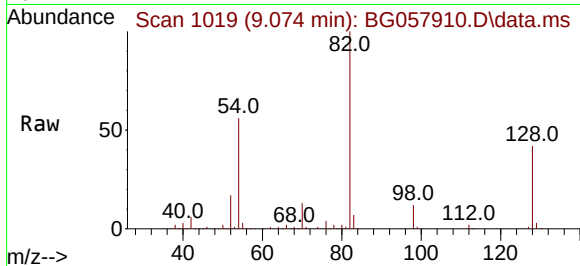




#23
Nitrobenzene-d5
Concen: 62.743 ng
RT: 9.074 min Scan# 1019
Delta R.T. -0.015 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50

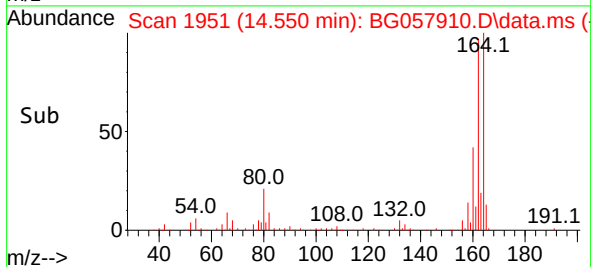
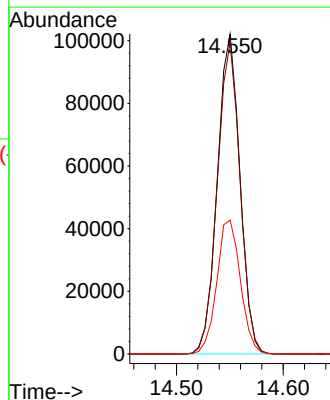
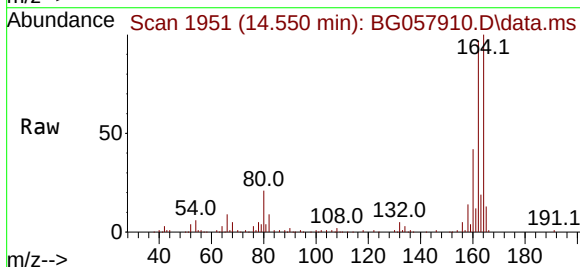
Instrument :
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ClientSampleId :
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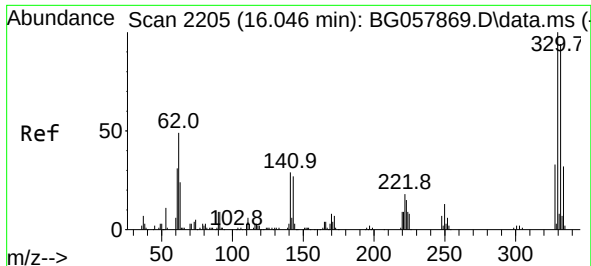
Tgt Ion: 82 Resp: 279160
Ion Ratio Lower Upper
82 100
128 41.5 32.2 48.4
54 55.8 46.1 69.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.550 min Scan# 1951
Delta R.T. -0.009 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50

Tgt Ion:164 Resp: 150064
Ion Ratio Lower Upper
164 100
162 97.4 76.4 114.6
160 41.8 34.2 51.2

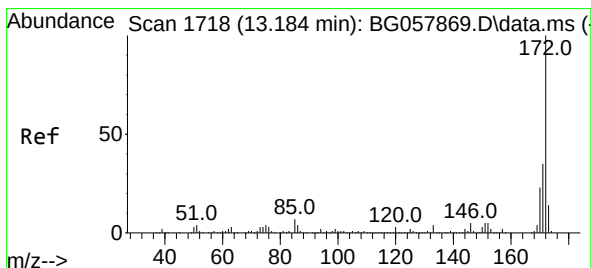
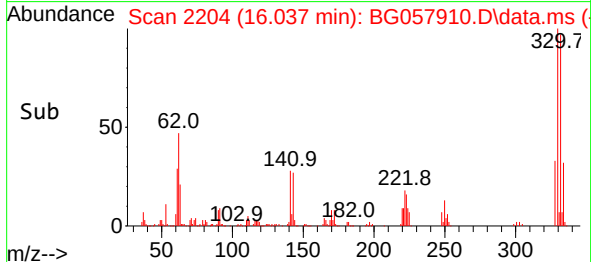
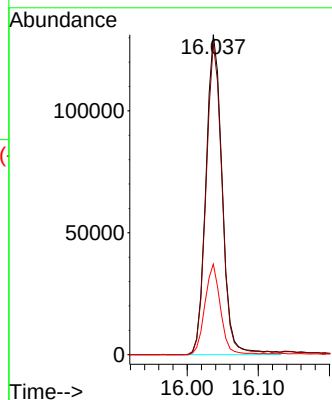
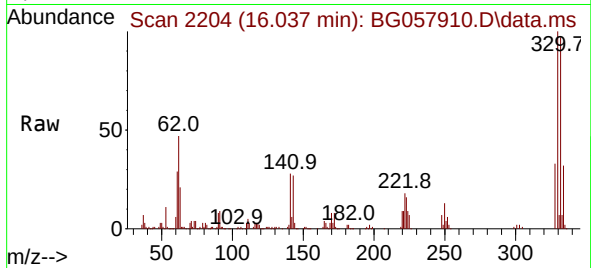




#42
2,4,6-Tribromophenol
Concen: 83.317 ng
RT: 16.037 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50

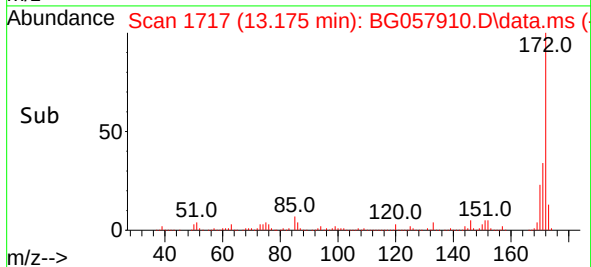
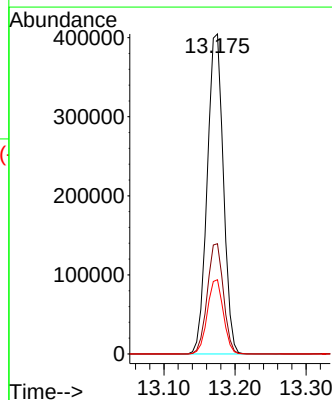
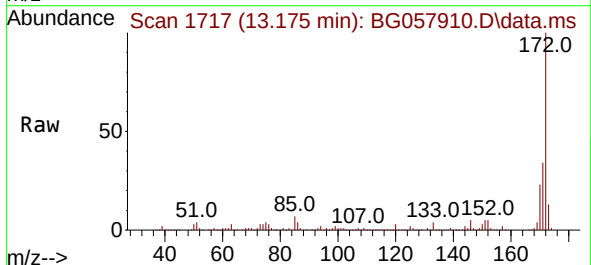
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ClientSampleId :
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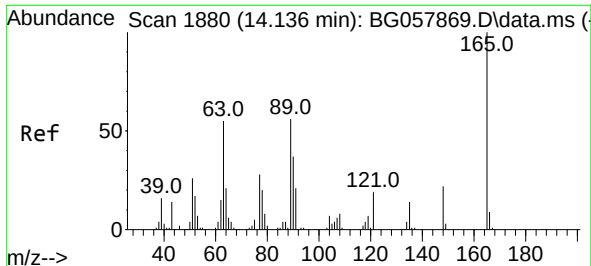
Tgt Ion:330 Resp: 209997
Ion Ratio Lower Upper
330 100
332 95.3 77.1 115.7
141 27.0 22.2 33.4



#45
2-Fluorobiphenyl
Concen: 64.972 ng
RT: 13.175 min Scan# 1717
Delta R.T. -0.009 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50

Tgt Ion:172 Resp: 638906
Ion Ratio Lower Upper
172 100
171 34.5 27.8 41.8
170 23.2 18.6 27.8

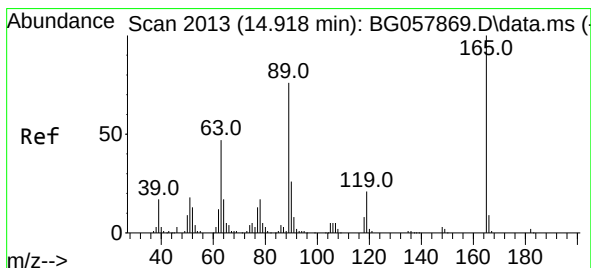
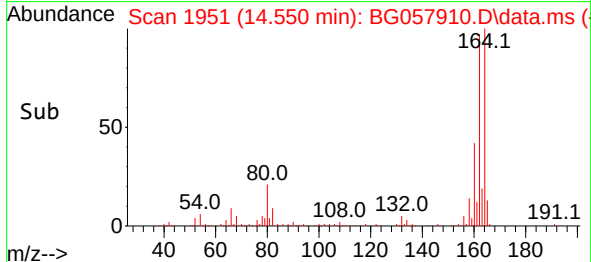
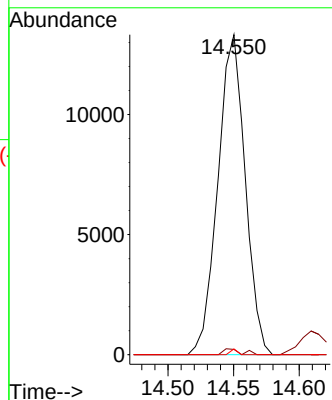
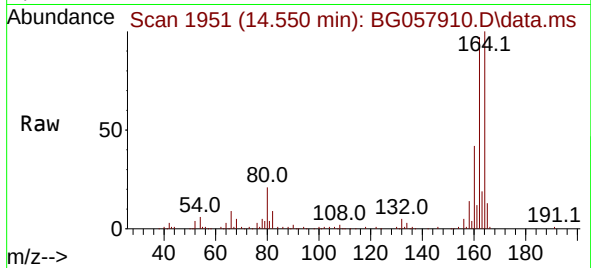




#51
2,6-Dinitrotoluene
Concen: 7.802 ng
RT: 14.550 min Scan# 1951
Delta R.T. 0.414 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50

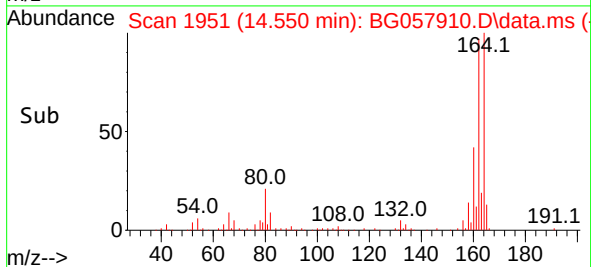
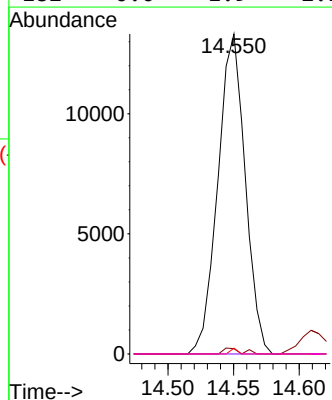
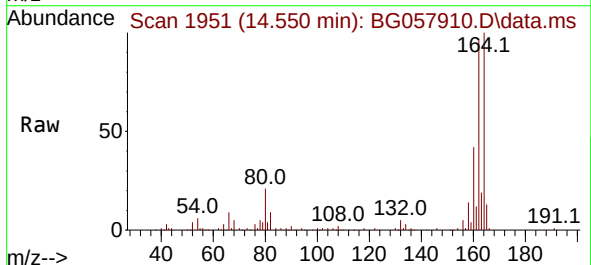
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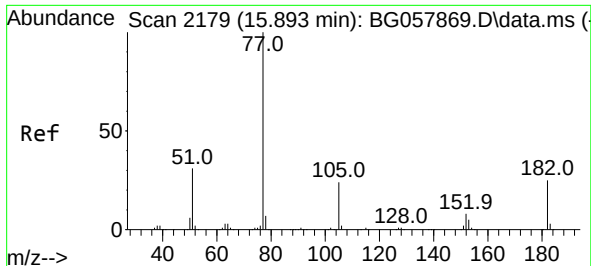
Tgt Ion:165 Resp: 19267
Ion Ratio Lower Upper
165 100
63 1.7 46.4 69.6#
89 1.8 45.0 67.6#



#57
2,4-Dinitrotoluene
Concen: 5.377 ng
RT: 14.550 min Scan# 1951
Delta R.T. -0.367 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50

Tgt Ion:165 Resp: 19267
Ion Ratio Lower Upper
165 100
63 1.7 37.6 56.4#
89 1.8 61.0 91.4#
182 0.0 1.9 2.9#

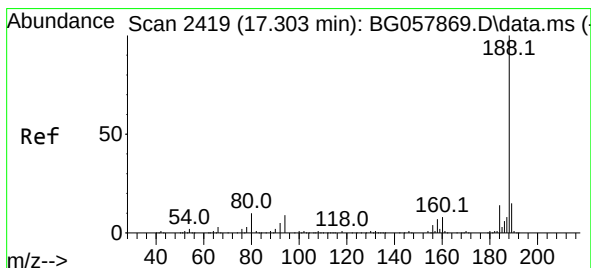
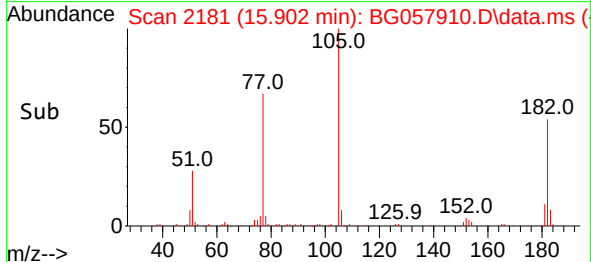
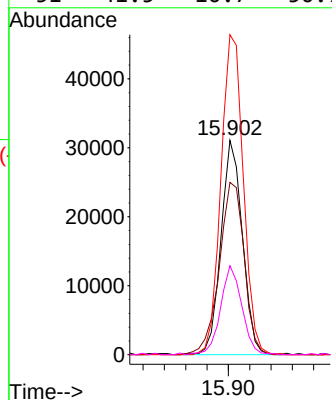
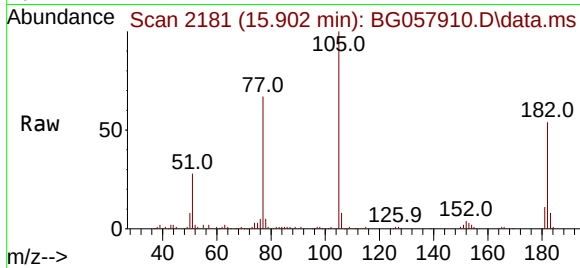




#63
Azobenzene
Concen: 3.612 ng
RT: 15.902 min Scan# 2179
Delta R.T. 0.009 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50

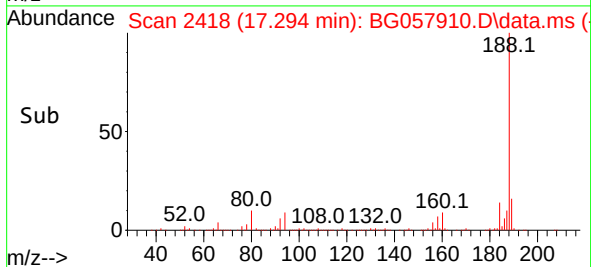
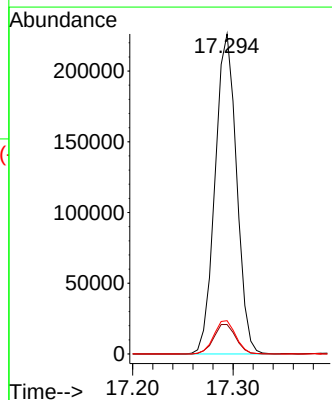
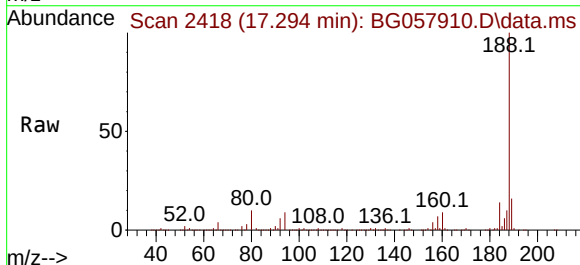
Instrument :
BNA_G
ClientSampleId :
RT2665

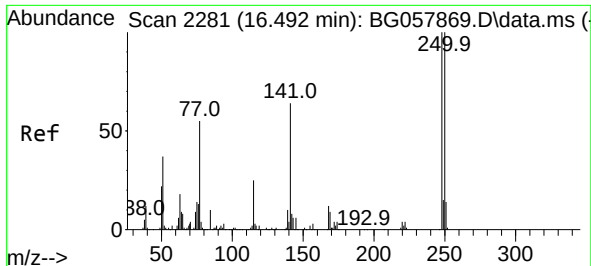
Tgt Ion: 77 Resp: 43301
Ion Ratio Lower Upper
77 100
182 80.4 5.1 45.1#
105 149.3 3.9 43.9#
51 41.5 10.7 50.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.294 min Scan# 2418
Delta R.T. -0.009 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50

Tgt Ion:188 Resp: 336333
Ion Ratio Lower Upper
188 100
94 9.2 7.2 10.8
80 10.4 8.4 12.6

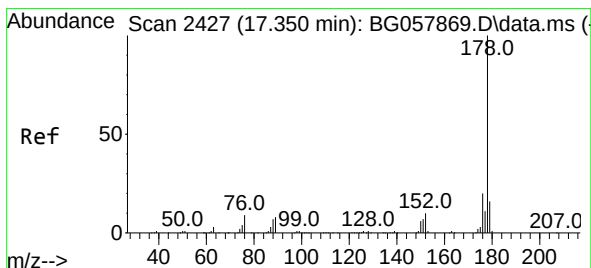
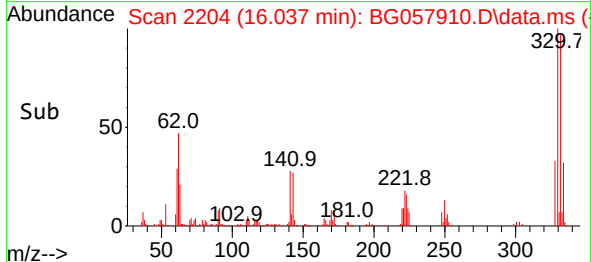
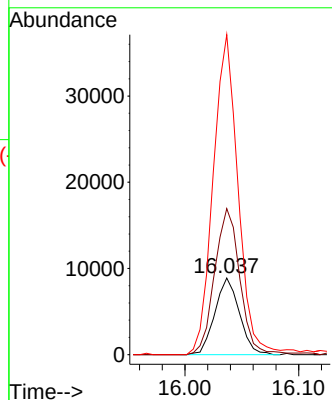
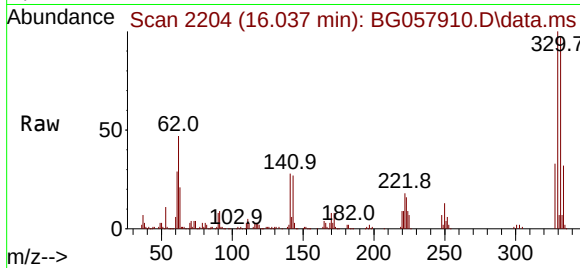




#67
4-Bromophenyl-phenylether
Concen: 3.752 ng
RT: 16.037 min Scan# 21
Delta R.T. -0.455 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50

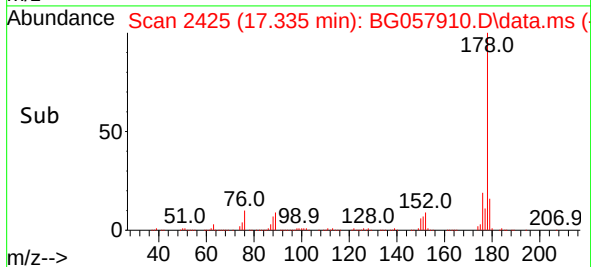
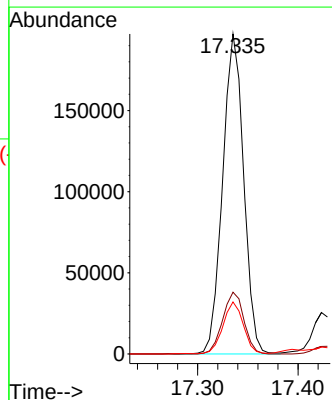
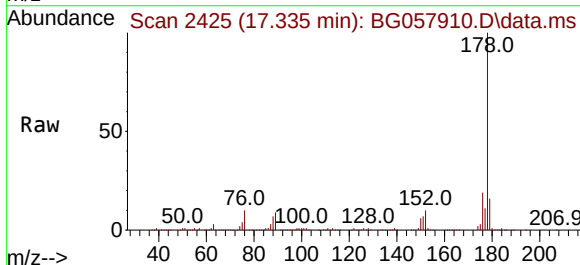
Instrument :
BNA_G
ClientSampleId :
RT2665

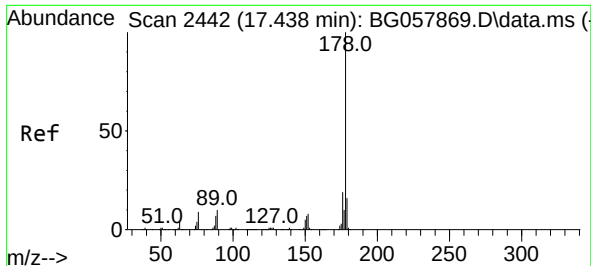
Tgt Ion:248 Resp: 13322
Ion Ratio Lower Upper
248 100
250 190.6 79.7 119.5#
141 417.6 50.8 76.2#



#71
Phenanthrene
Concen: 17.738 ng
RT: 17.335 min Scan# 2425
Delta R.T. -0.015 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50

Tgt Ion:178 Resp: 286376
Ion Ratio Lower Upper
178 100
176 19.3 16.3 24.5
179 16.3 13.2 19.8

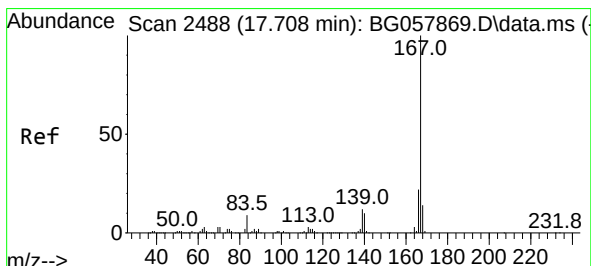
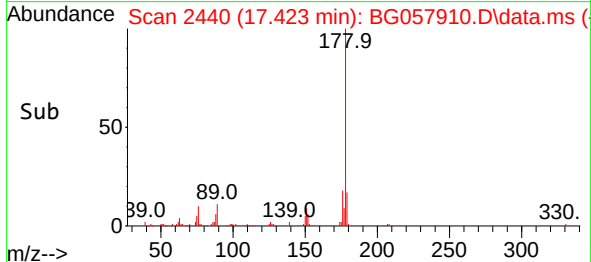
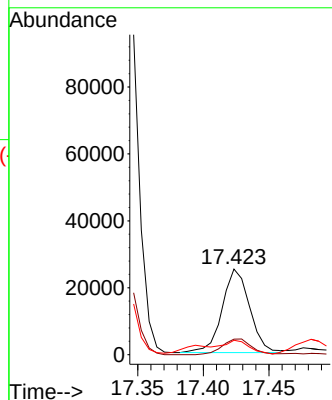
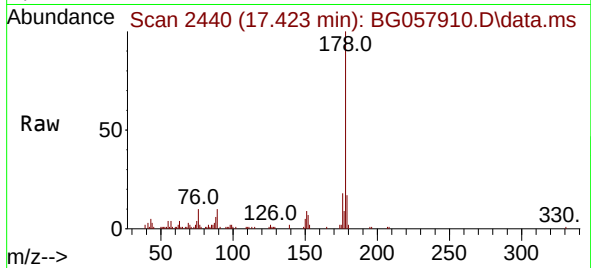




#72
 Anthracene
 Concen: 2.184 ng
 RT: 17.423 min Scan# 2442
 Delta R.T. -0.015 min
 Lab File: BG057910.D
 Acq: 29 Jun 2023 18:50

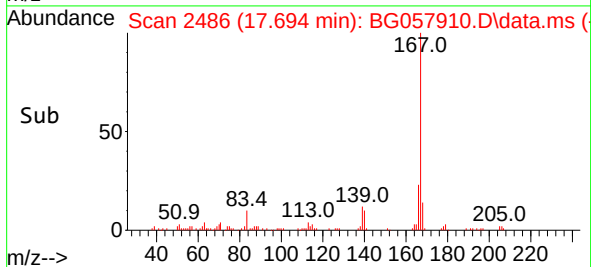
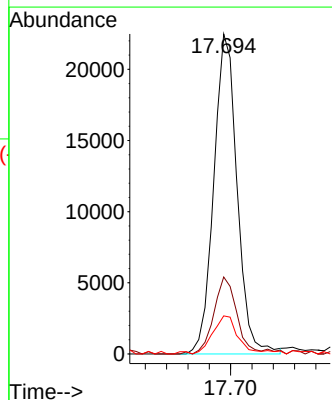
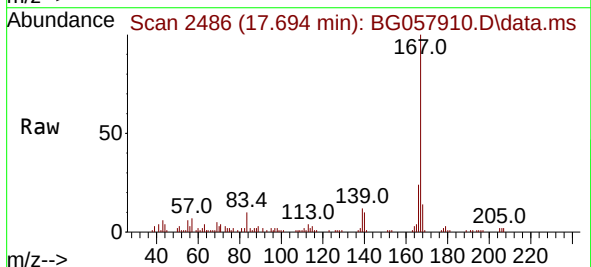
Instrument :
 BNA_G
 ClientSampleId :
 RT2665

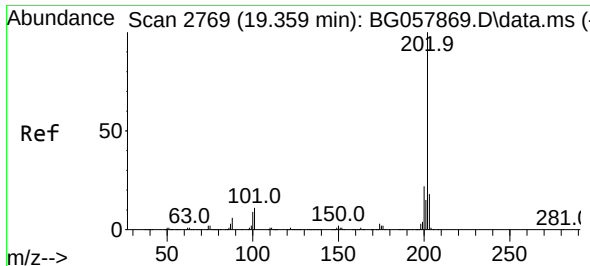
Tgt Ion:178 Resp: 36360
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.4 23.0
 179 16.7 12.9 19.3



#73
 Carbazole
 Concen: 2.155 ng
 RT: 17.694 min Scan# 2486
 Delta R.T. -0.015 min
 Lab File: BG057910.D
 Acq: 29 Jun 2023 18:50

Tgt Ion:167 Resp: 34122
 Ion Ratio Lower Upper
 167 100
 166 24.0 17.8 26.8
 139 11.9 9.8 14.8

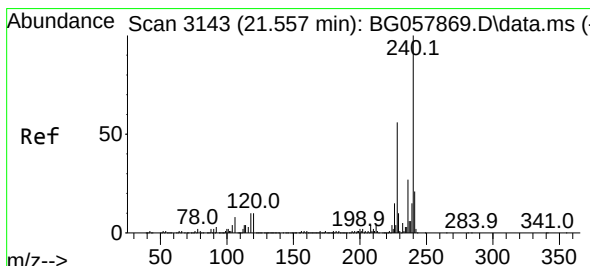
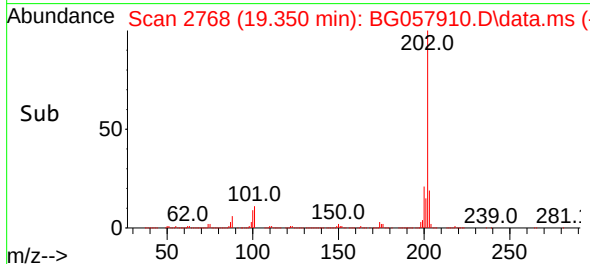
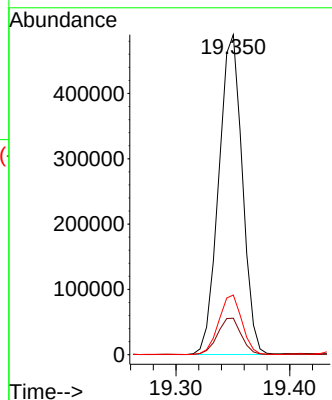
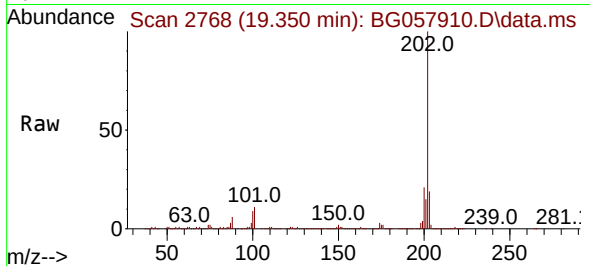




#75
Fluoranthene
Concen: 34.677 ng
RT: 19.350 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50

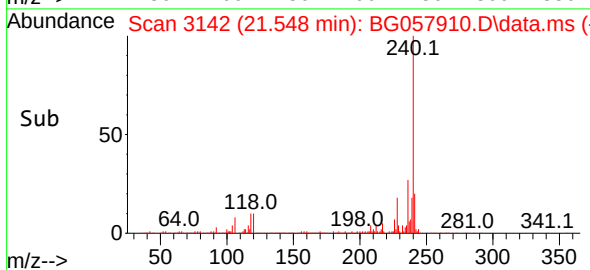
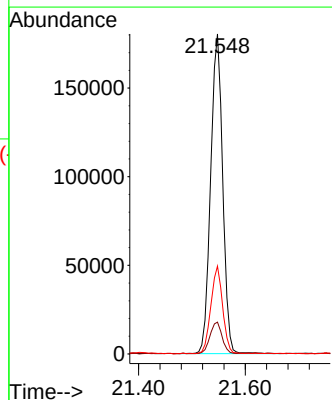
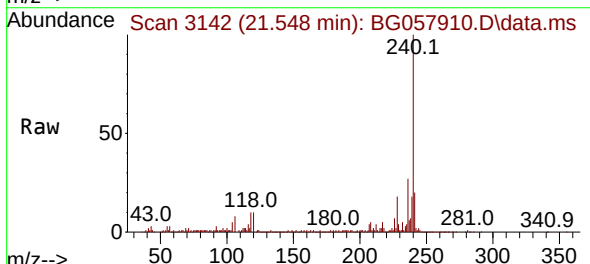
Instrument :
BNA_G
ClientSampleId :
RT2665

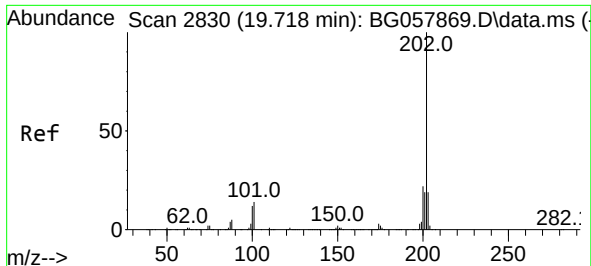
Tgt Ion:202 Resp: 705308
Ion Ratio Lower Upper
202 100
101 11.4 0.0 31.3
203 18.6 0.0 38.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.548 min Scan# 3142
Delta R.T. -0.009 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50

Tgt Ion:240 Resp: 282450
Ion Ratio Lower Upper
240 100
120 10.0 8.1 12.1
236 27.5 21.9 32.9

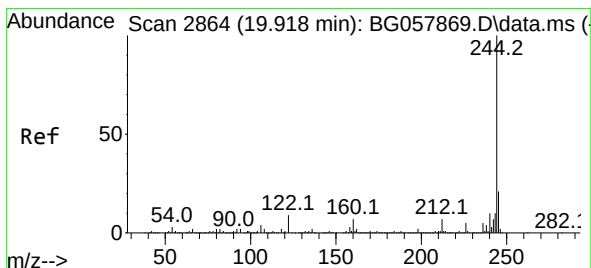
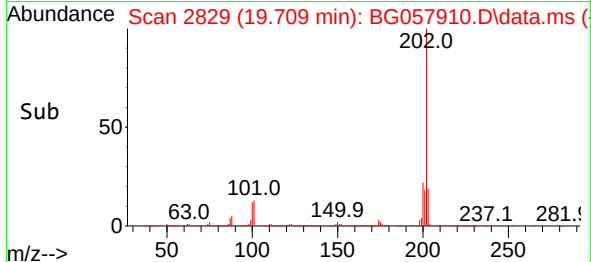
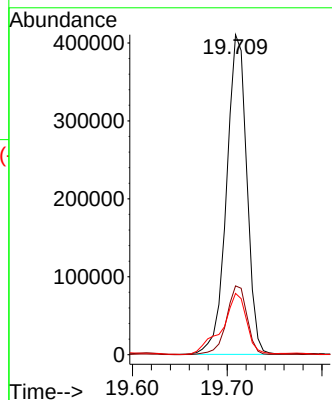
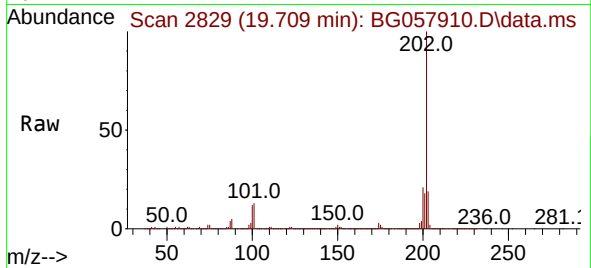




#78
 Pyrene
 Concen: 30.193 ng
 RT: 19.709 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BG057910.D
 Acq: 29 Jun 2023 18:50

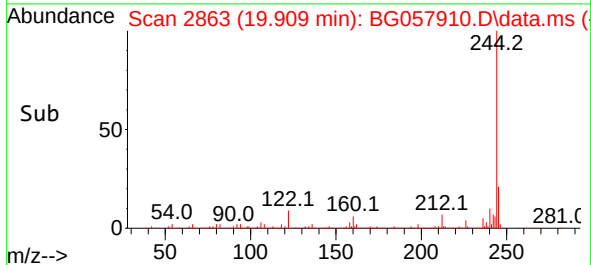
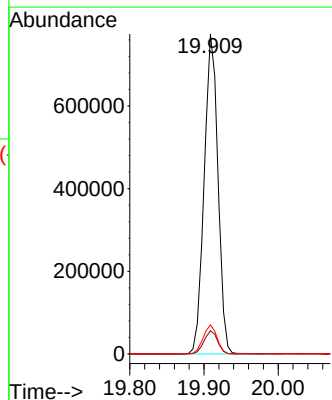
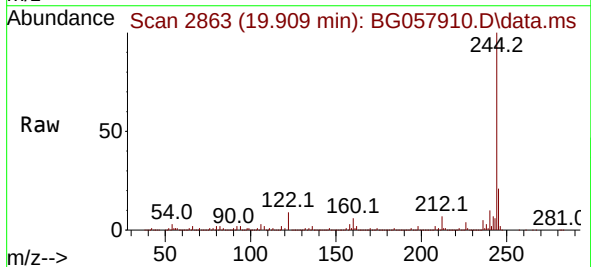
Instrument :
 BNA_G
 ClientSampleId :
 RT2665

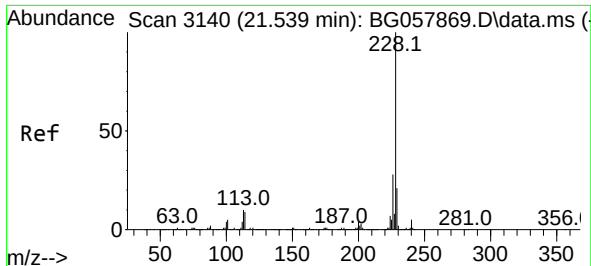
Tgt Ion:202 Resp: 608932
 Ion Ratio Lower Upper
 202 100
 200 21.5 17.7 26.5
 203 19.1 15.2 22.8



#79
 Terphenyl-d14
 Concen: 64.553 ng
 RT: 19.909 min Scan# 2863
 Delta R.T. -0.009 min
 Lab File: BG057910.D
 Acq: 29 Jun 2023 18:50

Tgt Ion:244 Resp: 1000109
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.9 8.9
 122 9.1 7.4 11.0

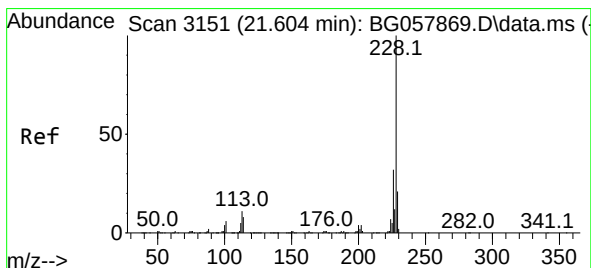
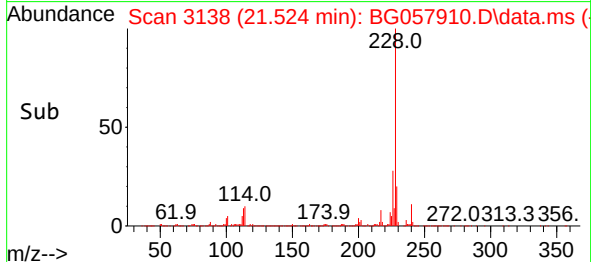
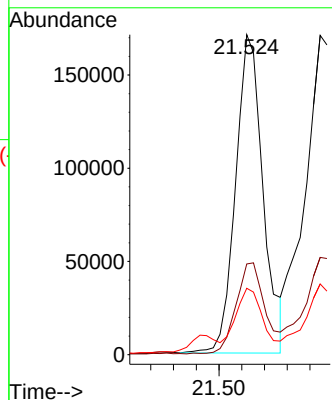
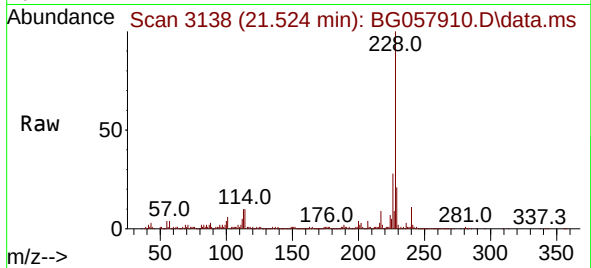




#81
Benzo(a)anthracene
Concen: 14.620 ng
RT: 21.524 min Scan# 3140
Delta R.T. -0.015 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50

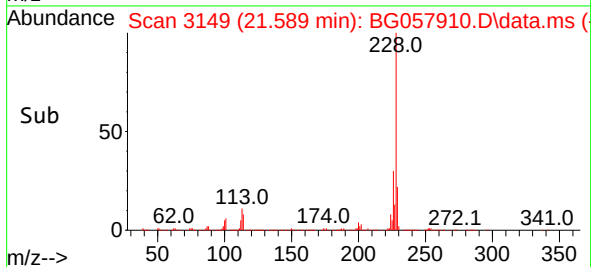
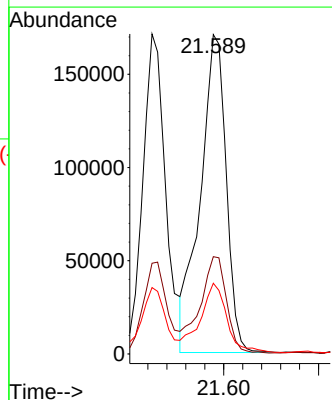
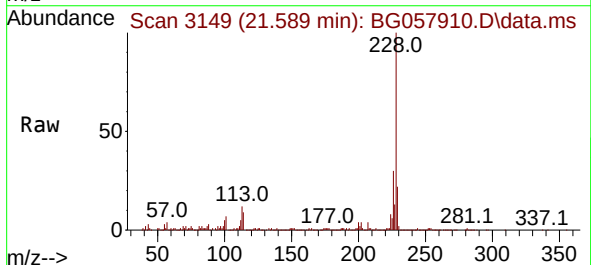
Instrument :
BNA_G
ClientSampleId :
RT2665

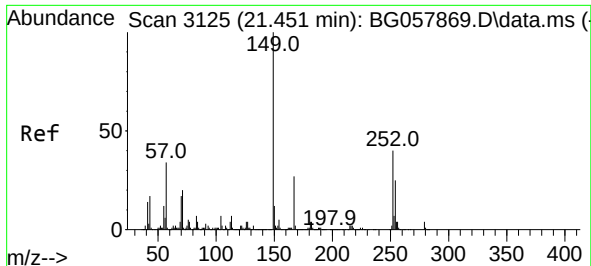
Tgt Ion:228 Resp: 285761
Ion Ratio Lower Upper
228 100
226 28.4 22.7 34.1
229 20.8 16.5 24.7



#83
Chrysene
Concen: 17.504 ng
RT: 21.589 min Scan# 3149
Delta R.T. -0.015 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50

Tgt Ion:228 Resp: 323851
Ion Ratio Lower Upper
228 100
226 30.5 25.3 37.9
229 22.2 16.5 24.7

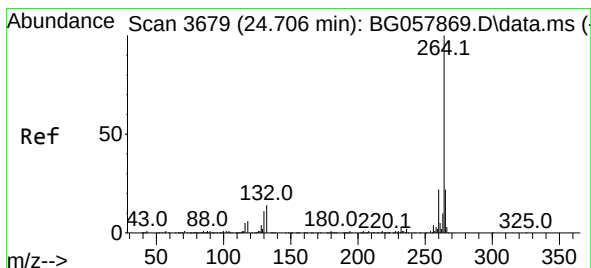
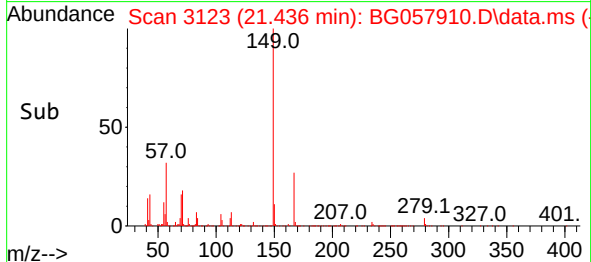
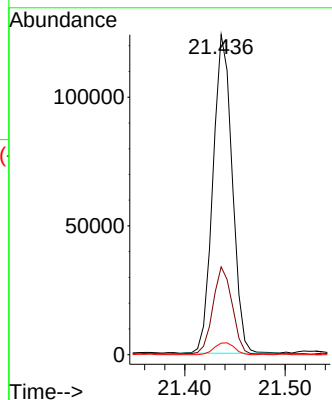
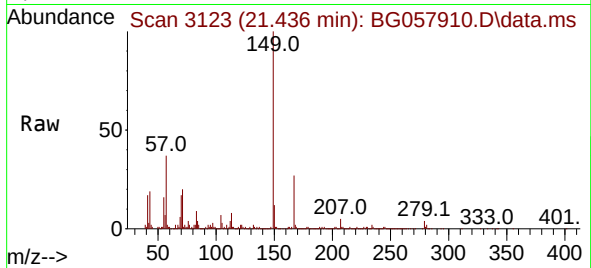




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 14.196 ng
 RT: 21.436 min Scan# 3125
 Delta R.T. -0.015 min
 Lab File: BG057910.D
 Acq: 29 Jun 2023 18:50

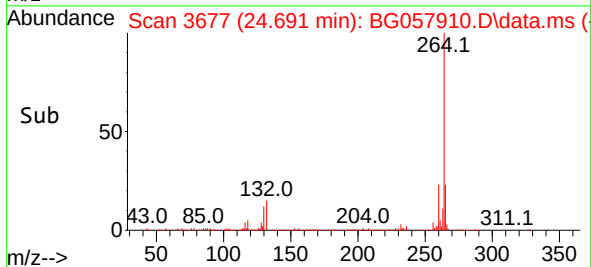
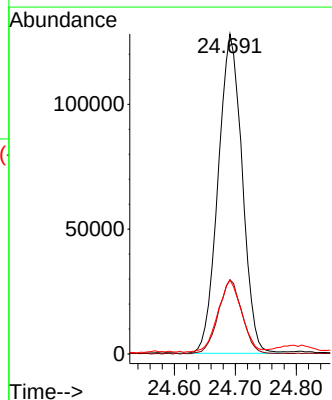
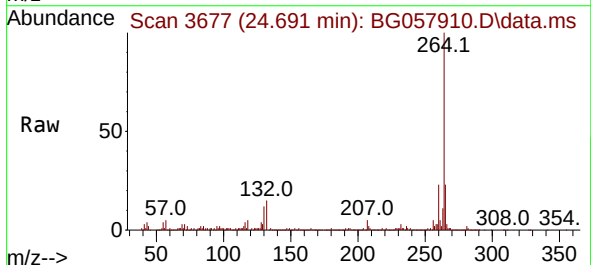
Instrument :
 BNA_G
 ClientSampleId :
 RT2665

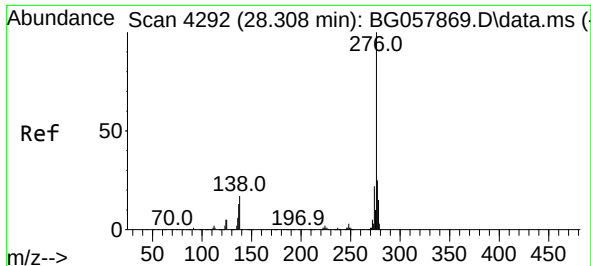
Tgt Ion:149 Resp: 164834
 Ion Ratio Lower Upper
 149 100
 167 27.5 21.8 32.8
 279 3.6 3.0 4.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.691 min Scan# 3677
 Delta R.T. -0.015 min
 Lab File: BG057910.D
 Acq: 29 Jun 2023 18:50

Tgt Ion:264 Resp: 350794
 Ion Ratio Lower Upper
 264 100
 260 23.2 17.8 26.8
 265 23.2 17.3 25.9

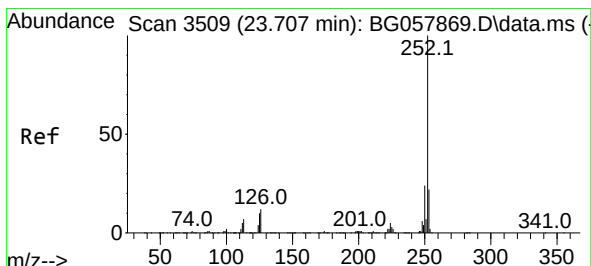
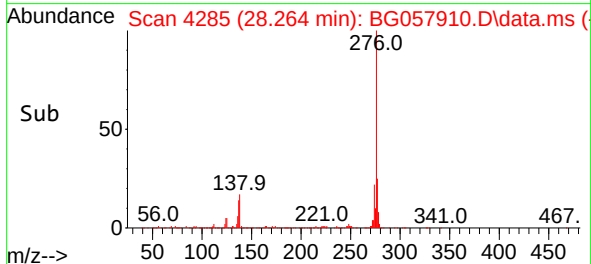
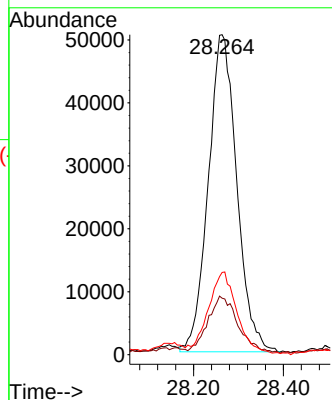
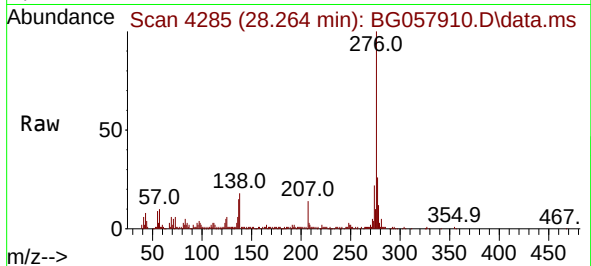




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.564 ng
 RT: 28.264 min Scan# 41
 Delta R.T. -0.044 min
 Lab File: BG057910.D
 Acq: 29 Jun 2023 18:50

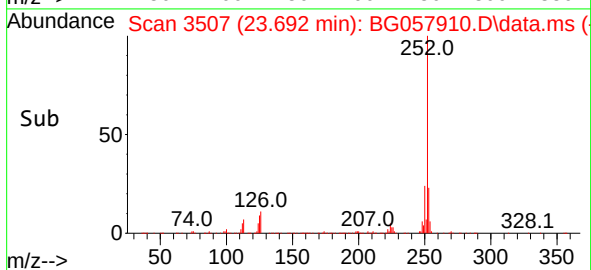
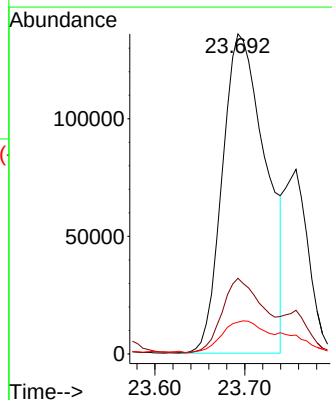
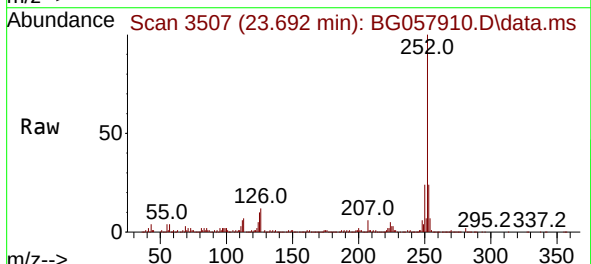
Instrument :
 BNA_G
 ClientSampleId :
 RT2665

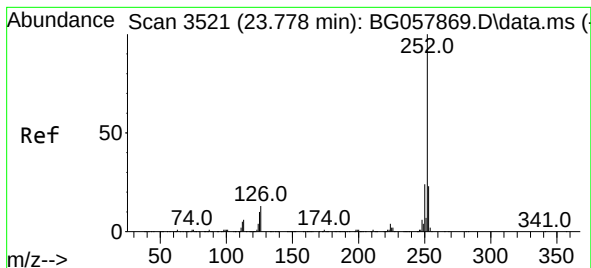
Tgt Ion:276 Resp: 222256
 Ion Ratio Lower Upper
 276 100
 138 19.0 12.2 18.4#
 277 25.5 20.4 30.6



#88
 Benzo(b)fluoranthene
 Concen: 23.828 ng
 RT: 23.692 min Scan# 3507
 Delta R.T. -0.015 min
 Lab File: BG057910.D
 Acq: 29 Jun 2023 18:50

Tgt Ion:252 Resp: 455896
 Ion Ratio Lower Upper
 252 100
 253 23.6 17.7 26.5
 125 10.0 7.7 11.5





#89

Benzo(k)fluoranthene

Concen: 23.576 ng

RT: 23.692 min Scan# 3507

Delta R.T. -0.085 min

Lab File: BG057910.D

Acq: 29 Jun 2023 18:50

Instrument :

BNA_G

ClientSampleId :

RT2665

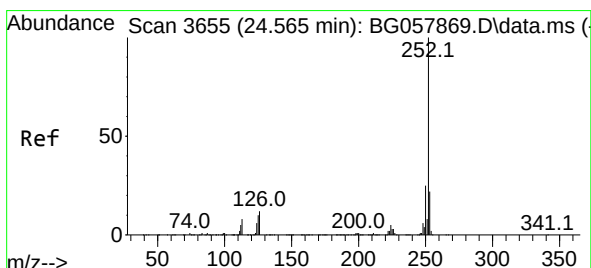
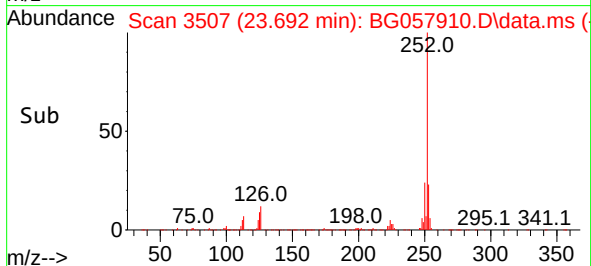
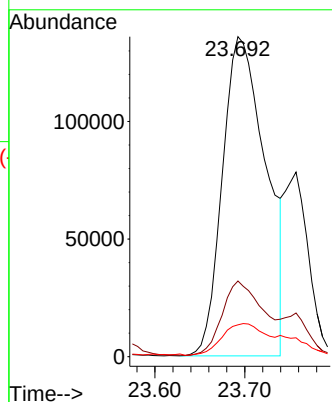
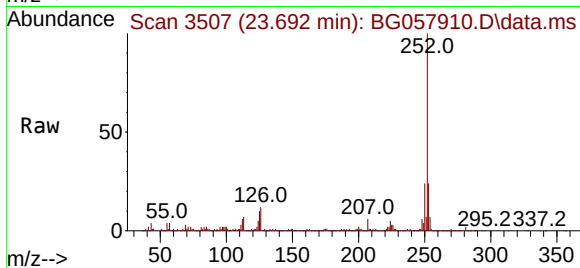
Tgt Ion:252 Resp: 455896

Ion Ratio Lower Upper

252 100

253 23.6 18.1 27.1

125 10.0 7.8 11.6



#90

Benzo(a)pyrene

Concen: 15.430 ng

RT: 24.544 min Scan# 3652

Delta R.T. -0.021 min

Lab File: BG057910.D

Acq: 29 Jun 2023 18:50

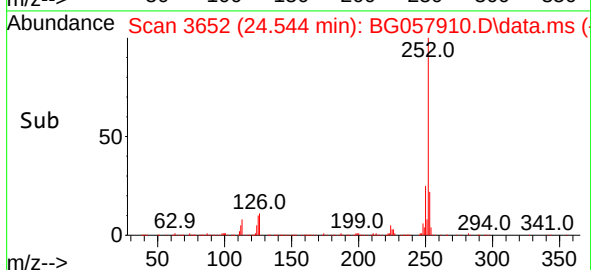
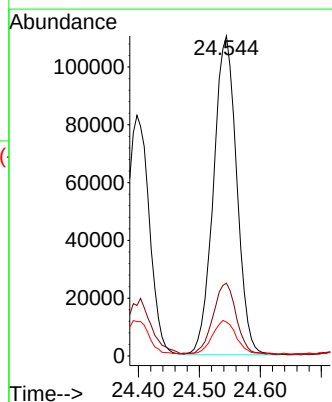
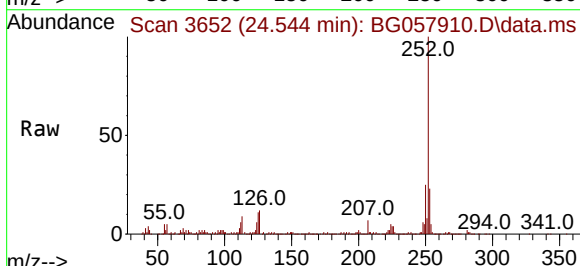
Tgt Ion:252 Resp: 292450

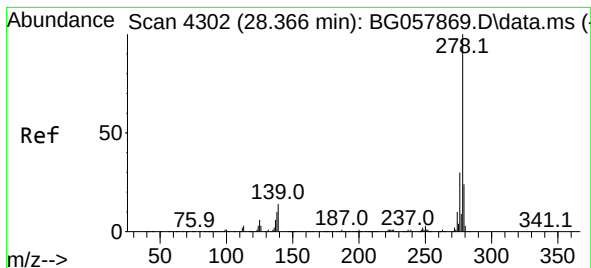
Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

125 10.6 8.0 12.0





#91

Dibenzo(a,h)anthracene

Concen: 2.750 ng

RT: 28.322 min Scan# 41

Delta R.T. -0.044 min

Lab File: BG057910.D

Acq: 29 Jun 2023 18:50

Instrument :

BNA_G

ClientSampleId :

RT2665

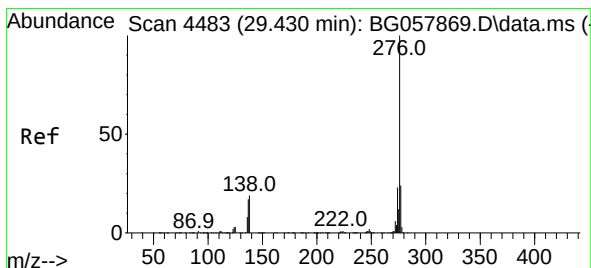
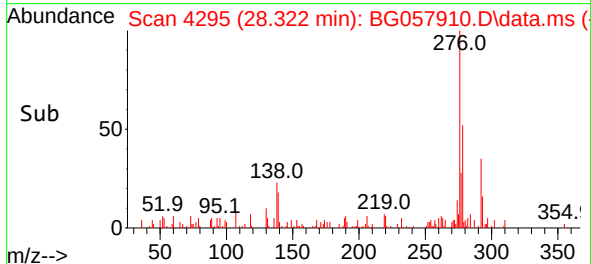
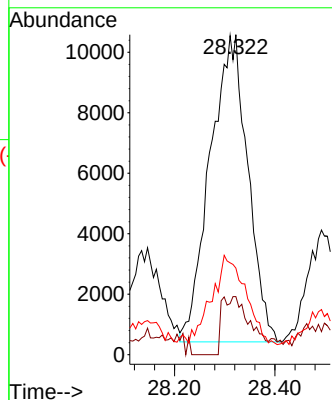
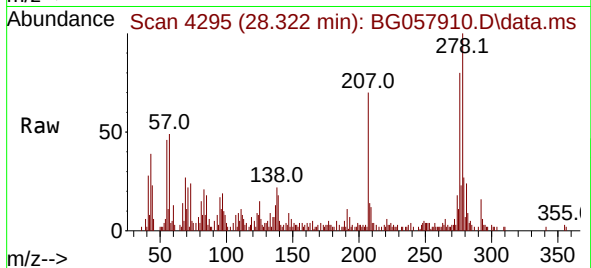
Tgt Ion:278 Resp: 53008

Ion Ratio Lower Upper

278 100

139 18.2 11.0 16.4#

279 27.0 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 11.467 ng

RT: 29.386 min Scan# 4476

Delta R.T. -0.044 min

Lab File: BG057910.D

Acq: 29 Jun 2023 18:50

Tgt Ion:276 Resp: 219693

Ion Ratio Lower Upper

276 100

277 24.0 19.4 29.2

138 17.5 15.0 22.6

