

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022223\
 Data File : BG056701.D
 Acq On : 22 Feb 2023 17:17
 Operator : CG/JU
 Sample : 01639-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-05-02212023

Quant Time: Feb 23 01:47:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 23 01:45:41 2023
 Response via : Initial Calibration

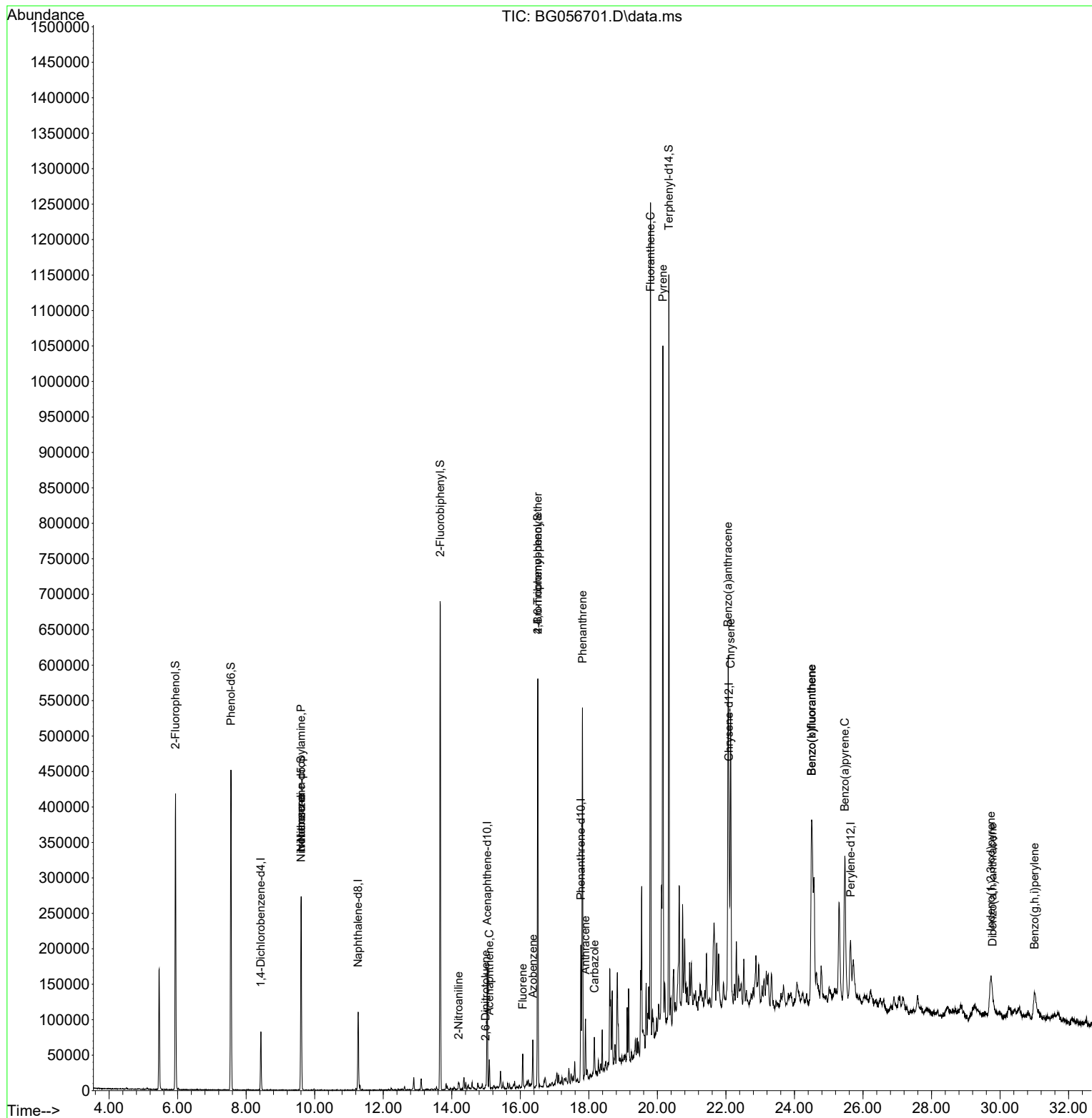
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.432	152	23207	20.000	ng	0.00
21) Naphthalene-d8	11.269	136	89036	20.000	ng	0.00
39) Acenaphthene-d10	15.036	164	60372	20.000	ng	0.00
64) Phenanthrene-d10	17.768	188	126036	20.000	ng	0.00
76) Chrysene-d12	22.086	240	105274	20.000	ng	0.00
86) Perylene-d12	25.641	264	107252	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.940	112	175150	122.800	ng	0.00
7) Phenol-d6	7.556	99	258282	122.590	ng	0.00
23) Nitrobenzene-d5	9.607	82	170922	98.291	ng	0.00
42) 2,4,6-Tribromophenol	16.510	330	103977	125.794	ng	0.00
45) 2-Fluorobiphenyl	13.661	172	365505	81.070	ng	0.00
79) Terphenyl-d14	20.335	244	525260	81.633	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.607	70	25711	16.301	ng	# 76
24) Nitrobenzene	9.601	77	687	3.008	ng	# 43
48) 2-Nitroaniline	14.201	65	58	5.296	ng	# 3
51) 2,6-Dinitrotoluene	14.989	165	704	3.306	ng	# 21
52) Acenaphthene	15.094	154	13913	3.836	ng	89
58) Fluorene	16.070	166	22058	4.553	ng	95
63) Azobenzene	16.369	77	17676	3.508	ng	# 1
67) 4-Bromophenyl-phenylether	16.510	248	7512	4.642	ng	# 1
71) Phenanthrene	17.815	178	346879	50.588	ng	98
72) Anthracene	17.903	178	57000	8.124	ng	97
73) Carbazole	18.161	167	33661	5.565	ng	# 94
75) Fluoranthene	19.801	202	767553	84.835	ng	99
78) Pyrene	20.159	202	650545	81.824	ng	98
81) Benzo(a)anthracene	22.063	228	340894	43.543	ng	98
83) Chrysene	22.139	228	329801	45.062	ng	96
87) Indeno(1,2,3-cd)pyrene	29.736	276	143898	17.131	ng	# 93
88) Benzo(b)fluoranthene	24.501	252	422111	60.242	ng	96
89) Benzo(k)fluoranthene	24.501	252	422111	61.261	ng	99
90) Benzo(a)pyrene	25.470	252	300372	44.597	ng	99
91) Dibenzo(a,h)anthracene	29.777	278	35852	5.154	ng	# 89
92) Benzo(g,h,i)perylene	31.005	276	118025	17.363	ng	93

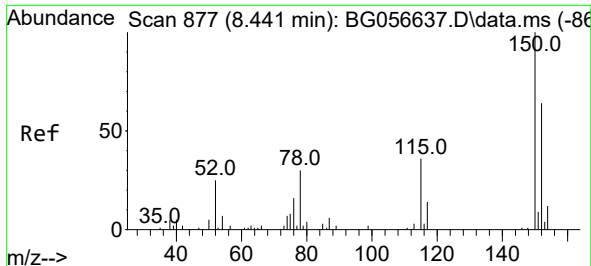
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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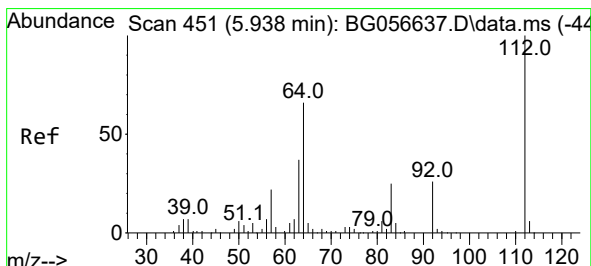
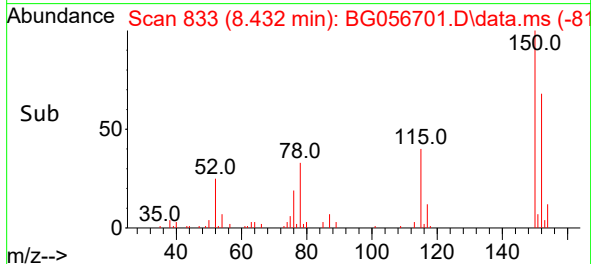
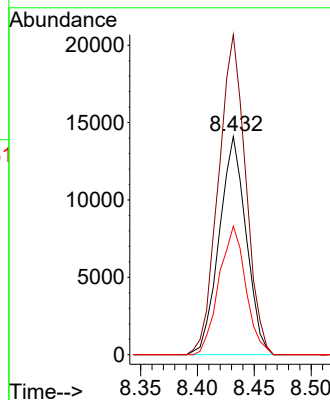
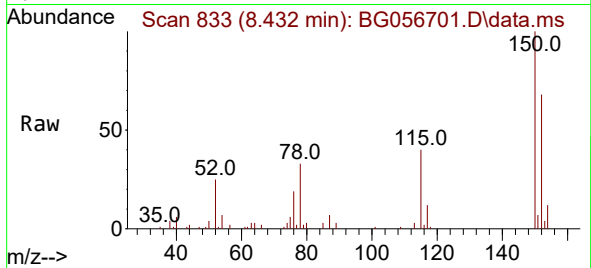




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.432 min Scan# 81
Delta R.T. 0.005 min
Lab File: BG056701.D
Acq: 22 Feb 2023 17:17

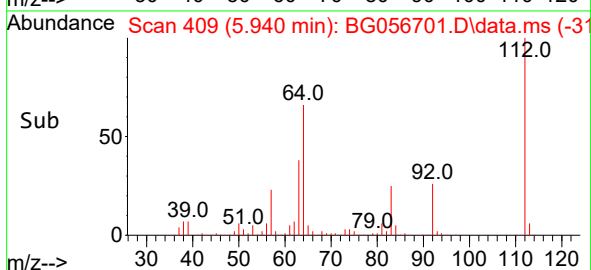
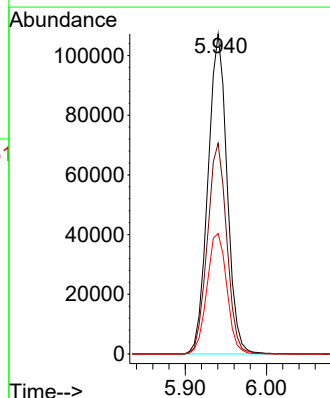
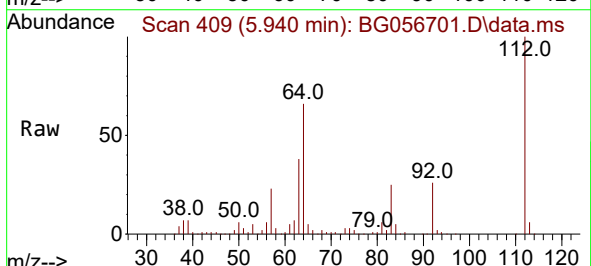
Instrument :
BNA_G
ClientSampleId :
TR-05-02212023

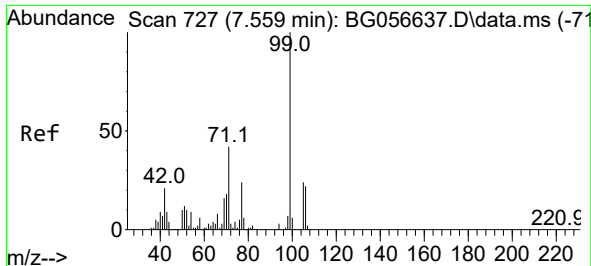
Tgt Ion:152 Resp: 23207
Ion Ratio Lower Upper
152 100
150 146.6 124.8 187.2
115 58.9 44.7 67.1



#5
2-Fluorophenol
Concen: 122.800 ng
RT: 5.940 min Scan# 409
Delta R.T. 0.005 min
Lab File: BG056701.D
Acq: 22 Feb 2023 17:17

Tgt Ion:112 Resp: 175150
Ion Ratio Lower Upper
112 100
64 65.9 52.6 78.8
63 37.7 29.8 44.6

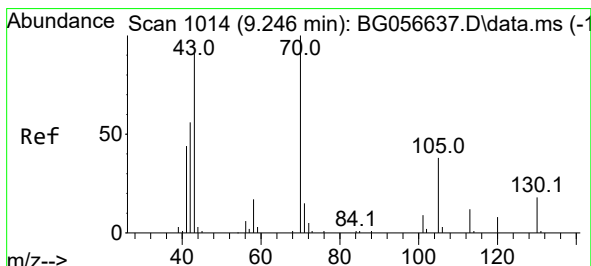
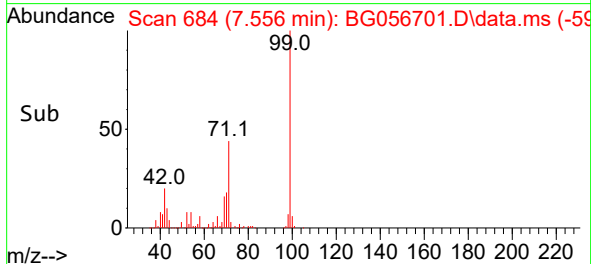
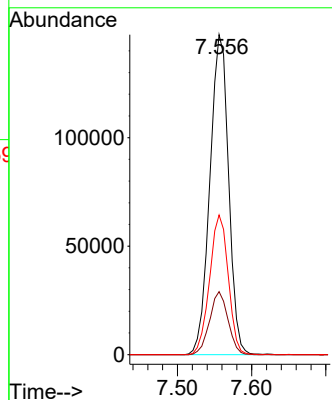
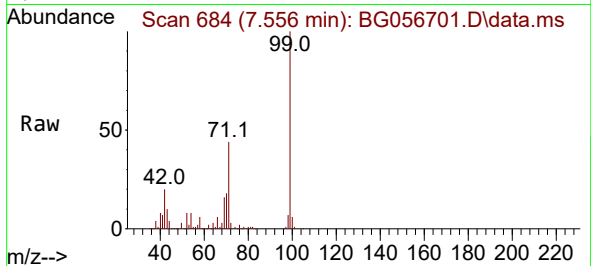




#7
Phenol-d6
Concen: 122.590 ng
RT: 7.556 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG056701.D
Acq: 22 Feb 2023 17:17

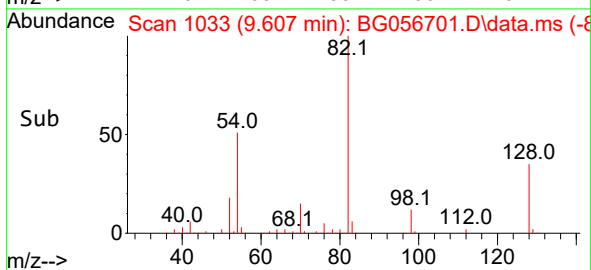
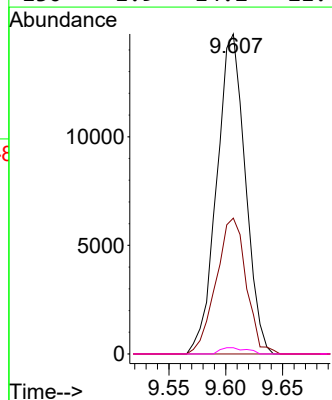
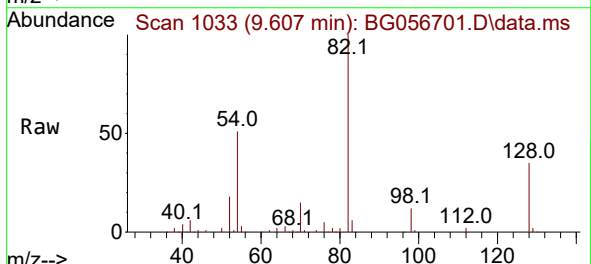
Instrument :
BNA_G
ClientSampleId :
TR-05-02212023

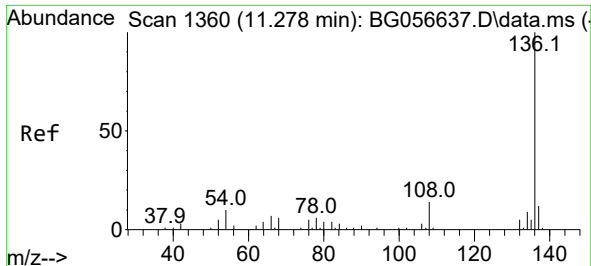
Tgt Ion: 99 Resp: 258282
Ion Ratio Lower Upper
99 100
42 19.7 16.8 25.2
71 43.6 33.9 50.9



#19
n-Nitroso-di-n-propylamine
Concen: 16.301 ng
RT: 9.607 min Scan# 1033
Delta R.T. 0.375 min
Lab File: BG056701.D
Acq: 22 Feb 2023 17:17

Tgt Ion: 70 Resp: 25711
Ion Ratio Lower Upper
70 100
42 42.5 45.7 68.5#
101 0.0 7.4 11.0#
130 1.9 14.2 21.4#

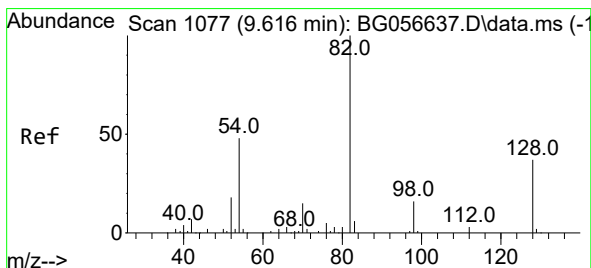
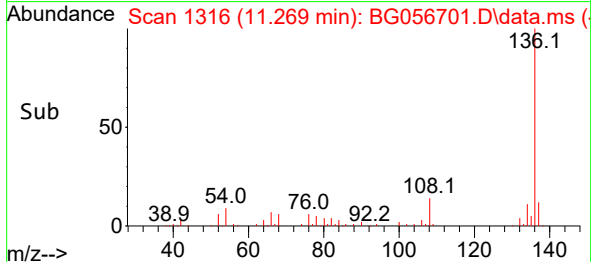
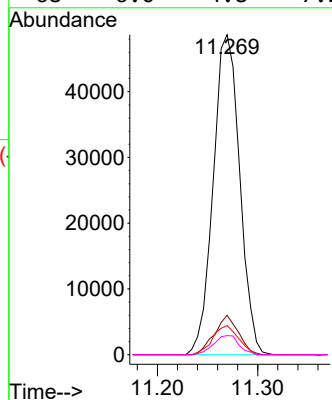
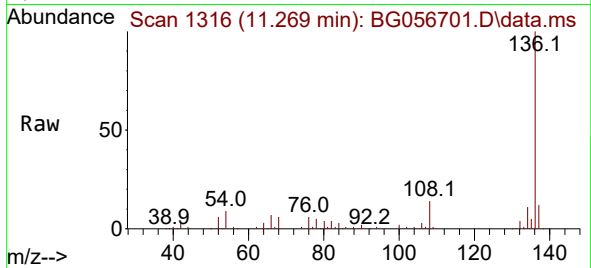




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.269 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG056701.D
Acq: 22 Feb 2023 17:17

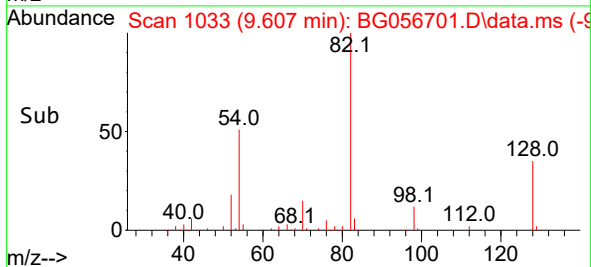
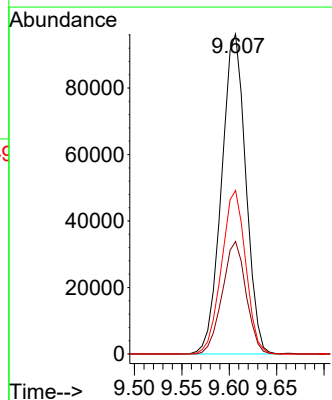
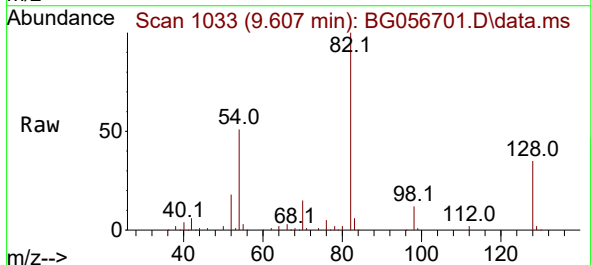
Instrument :
BNA_G
ClientSampleId :
TR-05-02212023

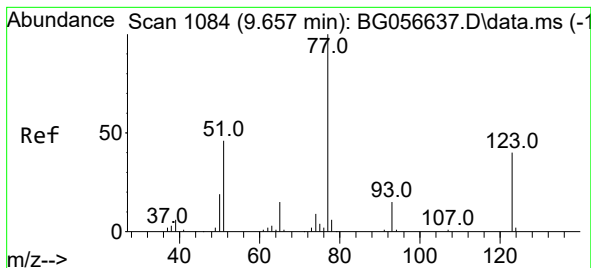
Tgt Ion:	136	Resp:	89036
Ion Ratio	Lower	Upper	
136	100		
137	12.3	9.7	14.5
54	9.1	7.7	11.5
68	6.0	4.8	7.2



#23
Nitrobenzene-d5
Concen: 98.291 ng
RT: 9.607 min Scan# 1033
Delta R.T. 0.005 min
Lab File: BG056701.D
Acq: 22 Feb 2023 17:17

Tgt Ion:	82	Resp:	170922
Ion Ratio	Lower	Upper	
82	100		
128	35.2	29.4	44.2
54	51.1	37.8	56.6





#24

Nitrobenzene

Concen: 3.008 ng

RT: 9.601 min Scan# 1

Delta R.T. -0.048 min

Lab File: BG056701.D

Acq: 22 Feb 2023 17:17

Instrument :

BNA_G

ClientSampleId :

TR-05-02212023

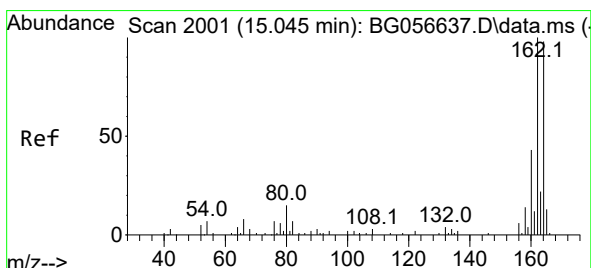
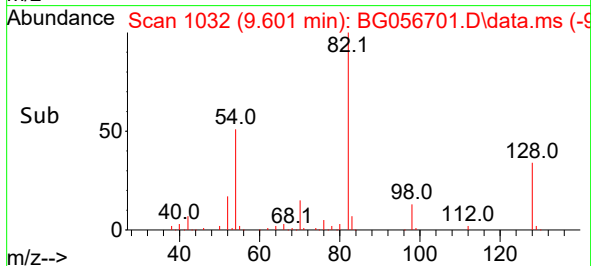
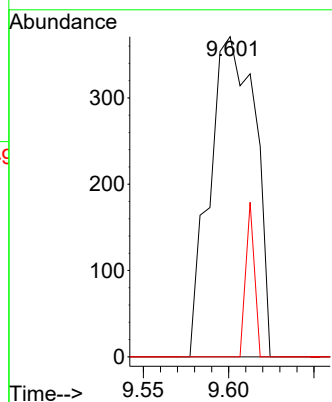
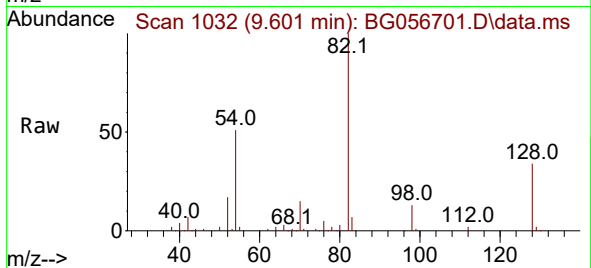
Tgt Ion: 77 Resp: 687

Ion Ratio Lower Upper

77 100

123 0.0 31.8 47.8#

65 0.0 12.0 18.0#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.036 min Scan# 1957

Delta R.T. -0.001 min

Lab File: BG056701.D

Acq: 22 Feb 2023 17:17

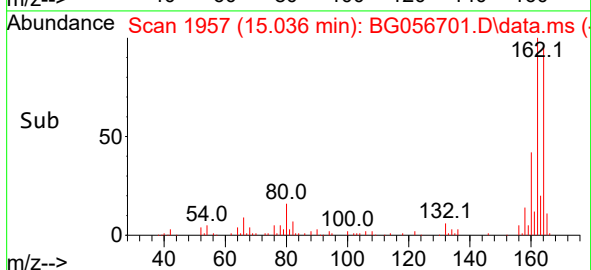
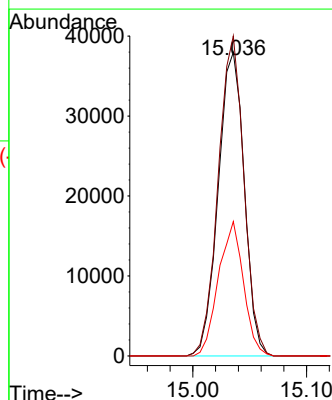
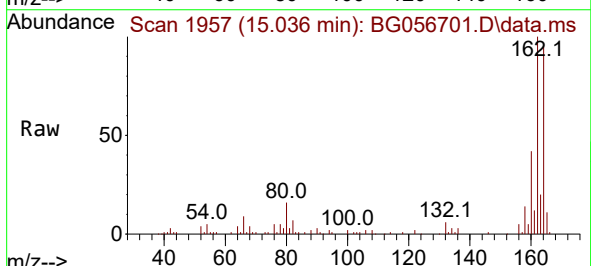
Tgt Ion:164 Resp: 60372

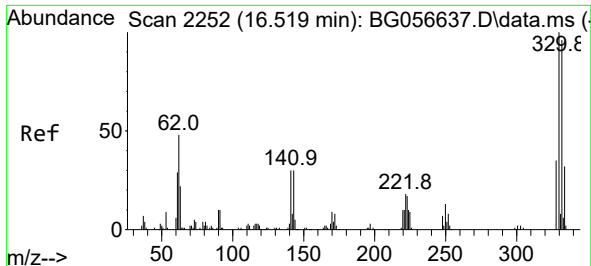
Ion Ratio Lower Upper

164 100

162 105.4 81.3 121.9

160 44.3 35.2 52.8

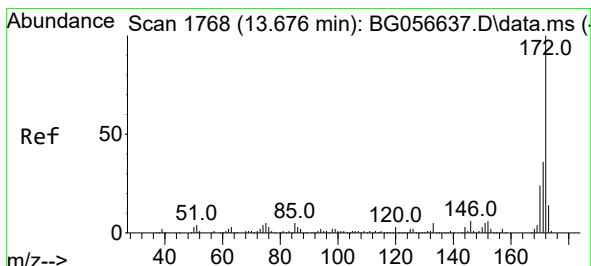
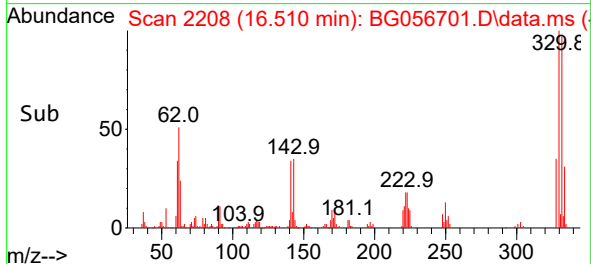
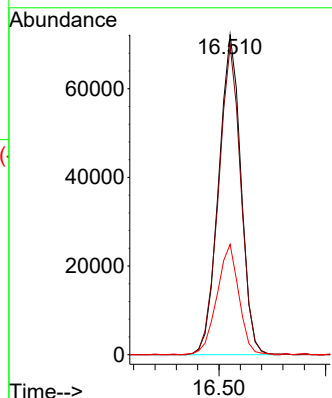
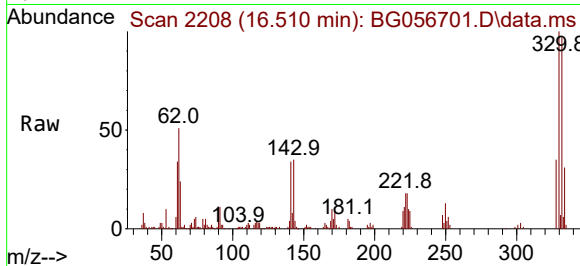




#42
2,4,6-Tribromophenol
Concen: 125.794 ng
RT: 16.510 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG056701.D
Acq: 22 Feb 2023 17:17

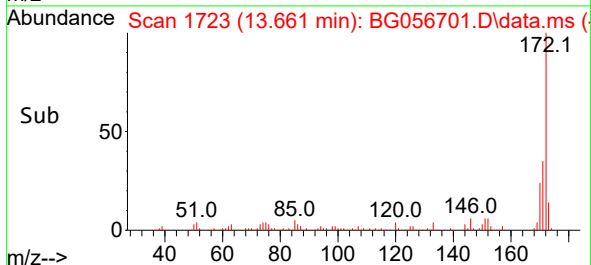
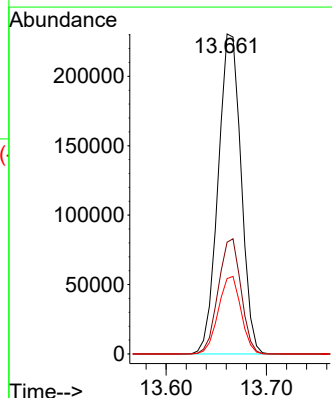
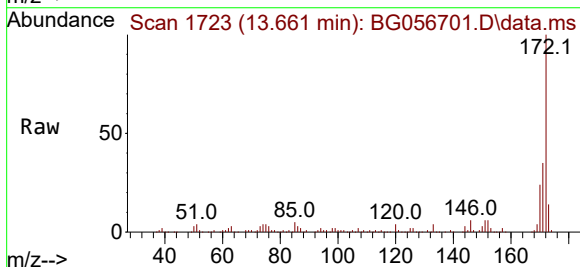
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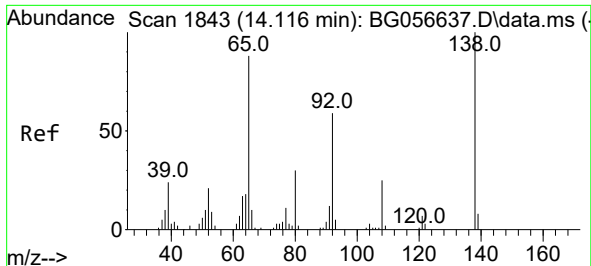
Tgt Ion:330 Resp: 103977
Ion Ratio Lower Upper
330 100
332 96.9 75.7 113.5
141 34.1 24.6 37.0



#45
2-Fluorobiphenyl
Concen: 81.070 ng
RT: 13.661 min Scan# 1723
Delta R.T. -0.007 min
Lab File: BG056701.D
Acq: 22 Feb 2023 17:17

Tgt Ion:172 Resp: 365505
Ion Ratio Lower Upper
172 100
171 34.9 28.6 43.0
170 23.5 19.4 29.0

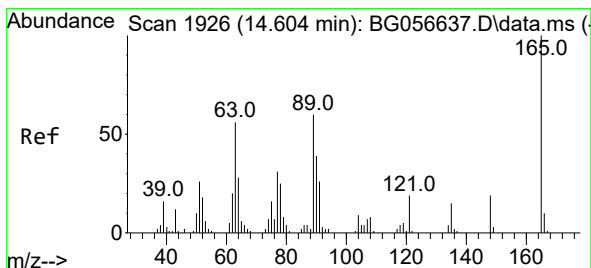
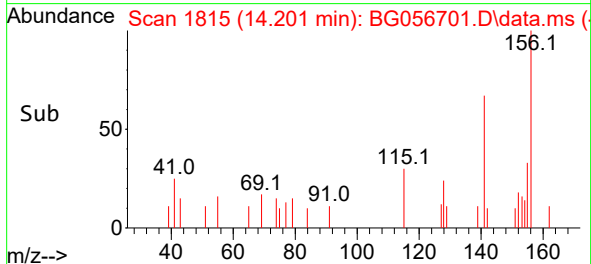
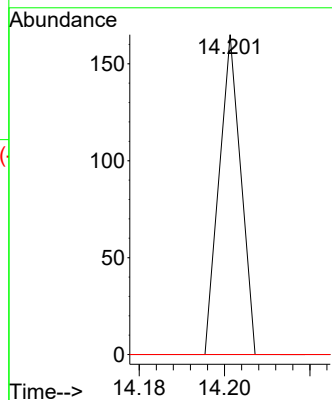
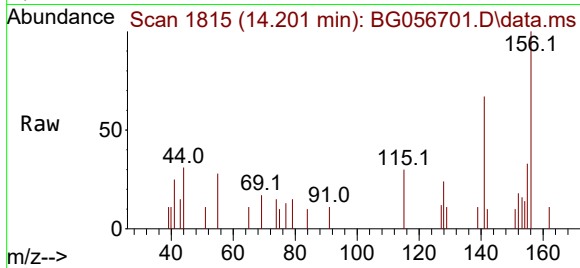




#48
2-Nitroaniline
Concen: 5.296 ng
RT: 14.201 min Scan# 11
Delta R.T. 0.087 min
Lab File: BG056701.D
Acq: 22 Feb 2023 17:17

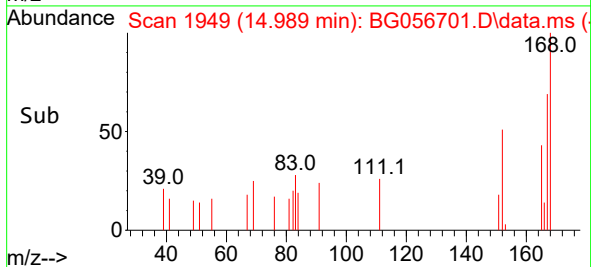
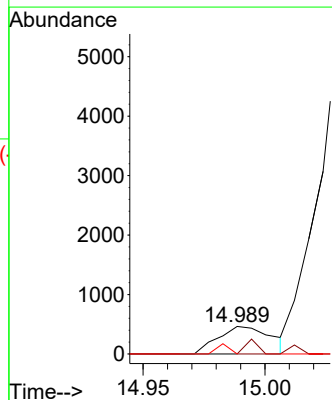
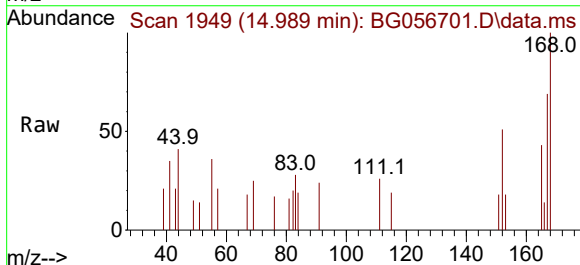
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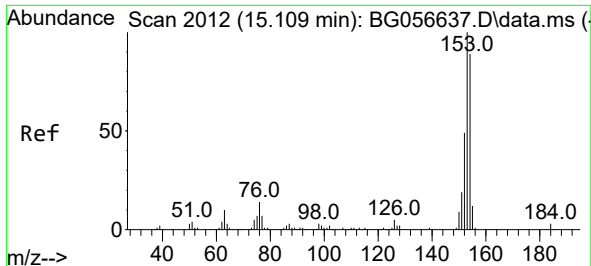
Tgt Ion: 65 Resp: 58
Ion Ratio Lower Upper
65 100
92 0.0 53.8 80.6#
138 0.0 90.6 135.8#



#51
2,6-Dinitrotoluene
Concen: 3.306 ng
RT: 14.989 min Scan# 1949
Delta R.T. 0.393 min
Lab File: BG056701.D
Acq: 22 Feb 2023 17:17

Tgt Ion:165 Resp: 704
Ion Ratio Lower Upper
165 100
63 0.0 45.8 68.8#
89 0.0 48.2 72.2#

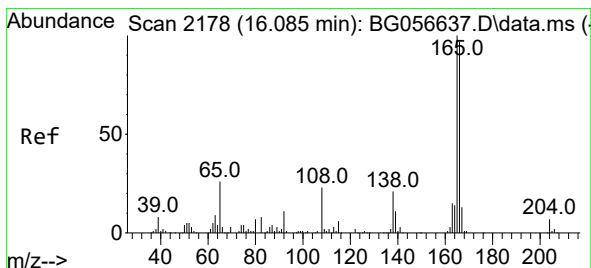
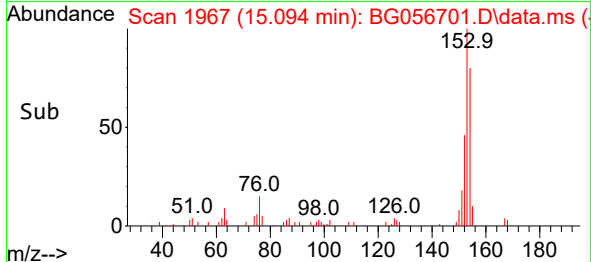
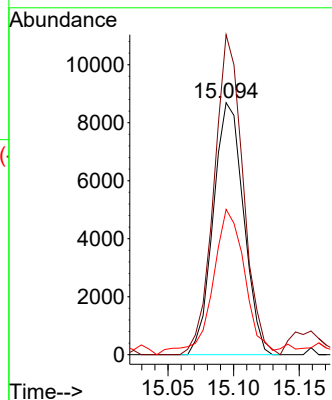
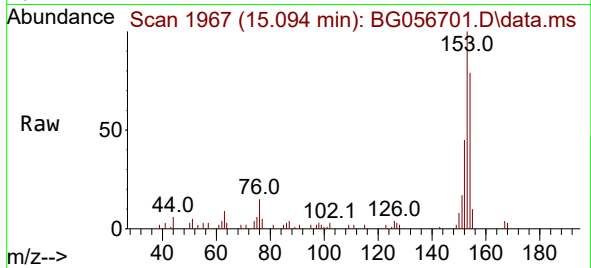




#52
Acenaphthene
Concen: 3.836 ng
RT: 15.094 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG056701.D
Acq: 22 Feb 2023 17:17

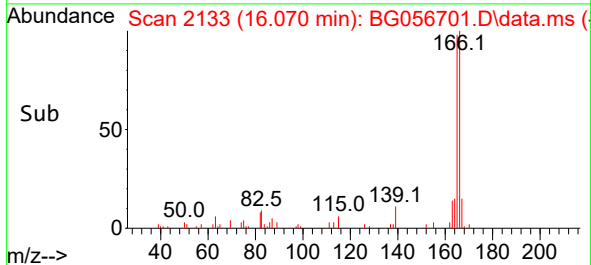
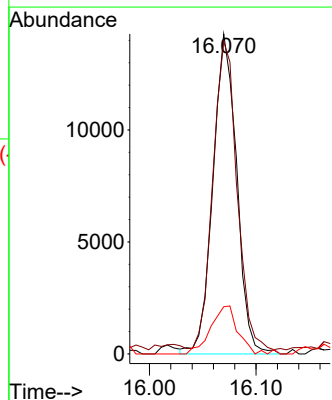
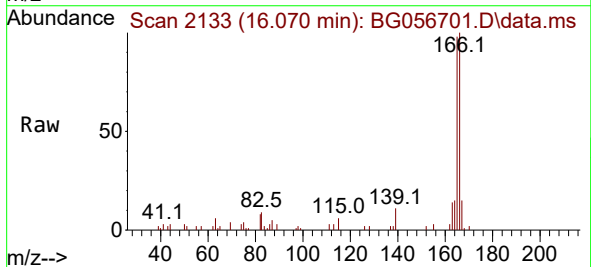
Instrument :
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ClientSampleId :
TR-05-02212023

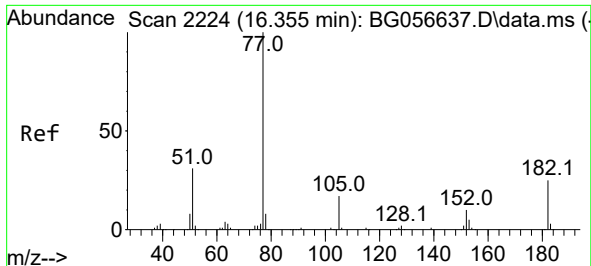
Tgt Ion:154 Resp: 13913
Ion Ratio Lower Upper
154 100
153 127.0 89.5 134.3
152 57.6 43.7 65.5



#58
Fluorene
Concen: 4.553 ng
RT: 16.070 min Scan# 2133
Delta R.T. -0.007 min
Lab File: BG056701.D
Acq: 22 Feb 2023 17:17

Tgt Ion:166 Resp: 22058
Ion Ratio Lower Upper
166 100
165 97.7 82.9 124.3
167 14.7 11.1 16.7

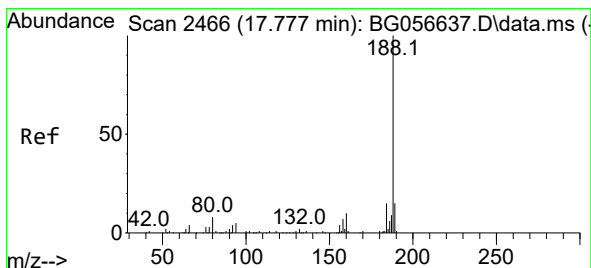
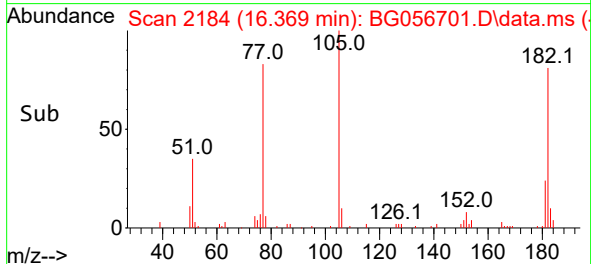
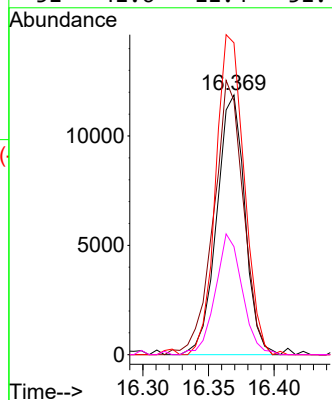
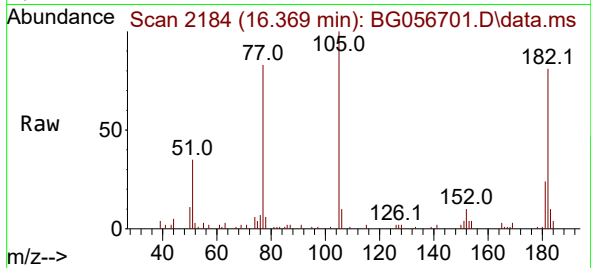




#63
Azobenzene
Concen: 3.508 ng
RT: 16.369 min Scan# 2118
Delta R.T. 0.017 min
Lab File: BG056701.D
Acq: 22 Feb 2023 17:17

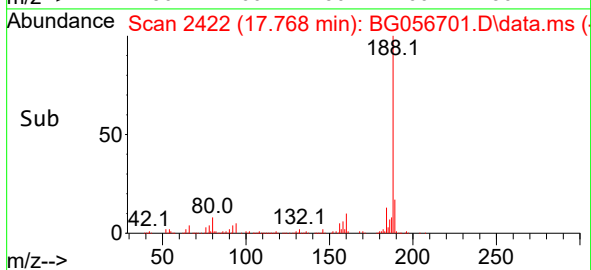
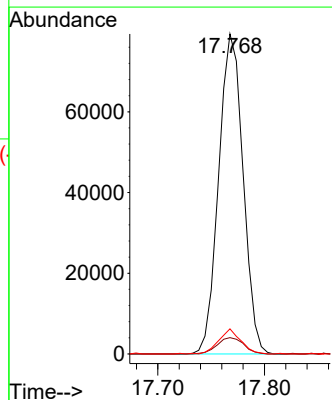
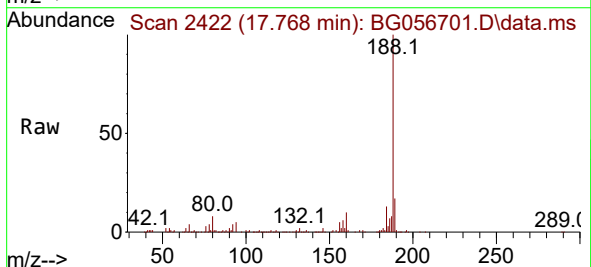
Instrument :
BNA_G
ClientSampleId :
TR-05-02212023

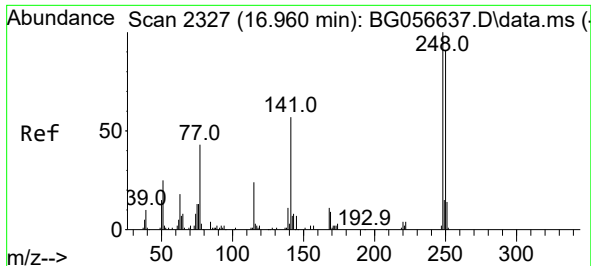
Tgt Ion: 77 Resp: 17676
Ion Ratio Lower Upper
77 100
182 97.9 5.2 45.2#
105 120.1 0.0 37.3#
51 41.6 11.4 51.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.768 min Scan# 2422
Delta R.T. -0.007 min
Lab File: BG056701.D
Acq: 22 Feb 2023 17:17

Tgt Ion:188 Resp: 126036
Ion Ratio Lower Upper
188 100
94 5.1 4.0 6.0
80 7.9 6.3 9.5

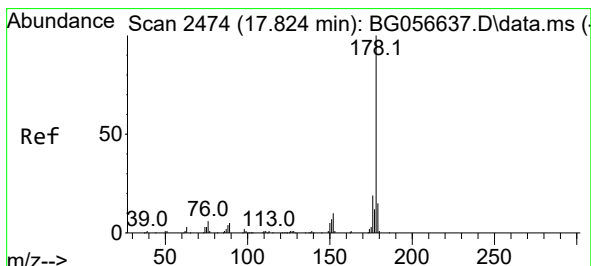
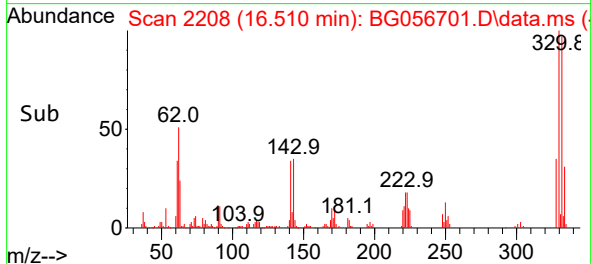
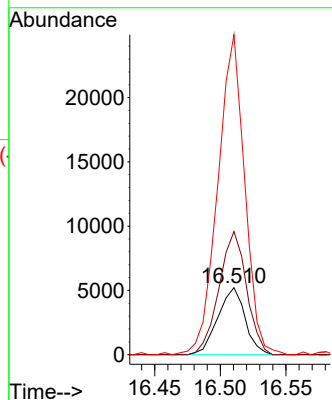
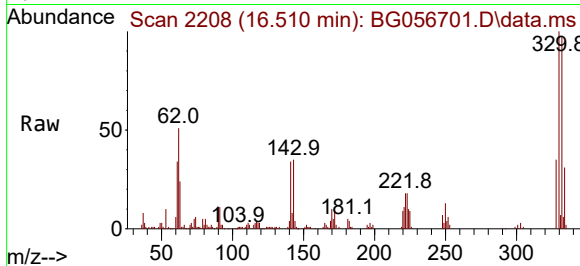




#67
4-Bromophenyl-phenylether
Concen: 4.642 ng
RT: 16.510 min Scan# 21
Delta R.T. -0.441 min
Lab File: BG056701.D
Acq: 22 Feb 2023 17:17

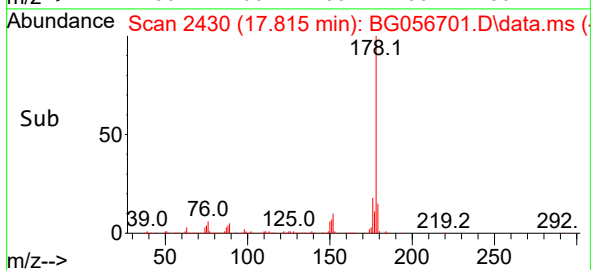
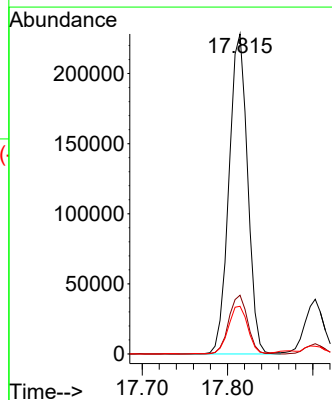
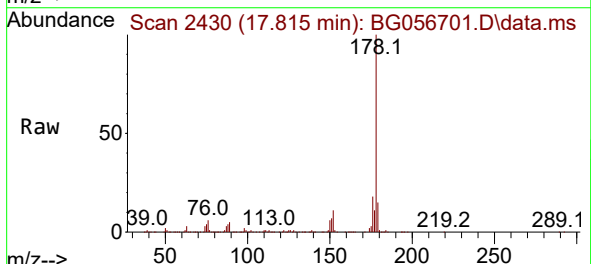
Instrument :
BNA_G
ClientSampleId :
TR-05-02212023

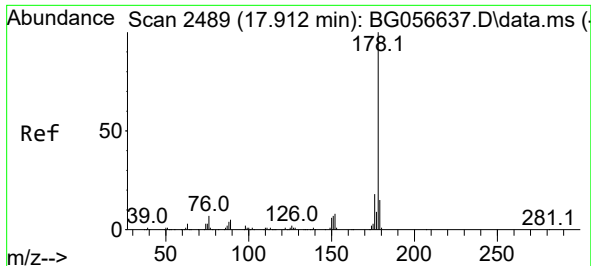
Tgt Ion:248 Resp: 7512
Ion Ratio Lower Upper
248 100
250 183.8 73.0 109.6#
141 477.6 45.6 68.4#



#71
Phenanthrene
Concen: 50.588 ng
RT: 17.815 min Scan# 2430
Delta R.T. -0.001 min
Lab File: BG056701.D
Acq: 22 Feb 2023 17:17

Tgt Ion:178 Resp: 346879
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.2
179 14.9 12.2 18.4

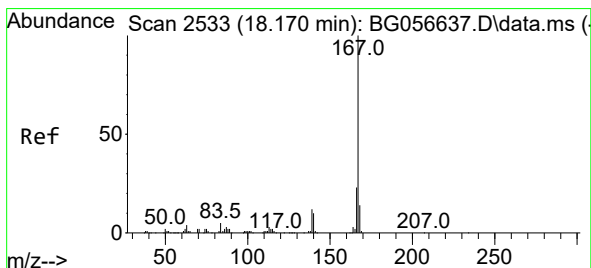
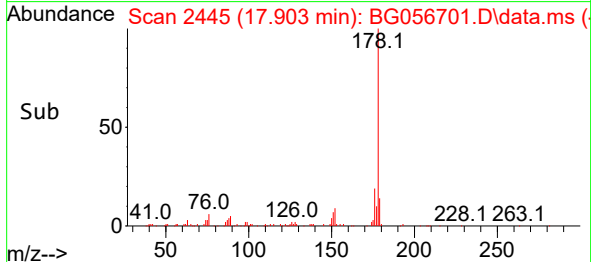
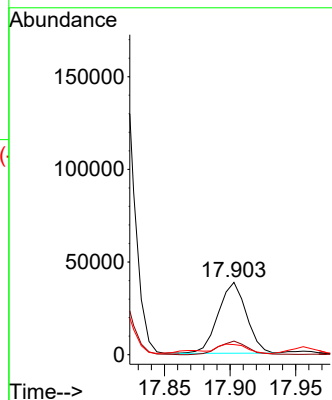
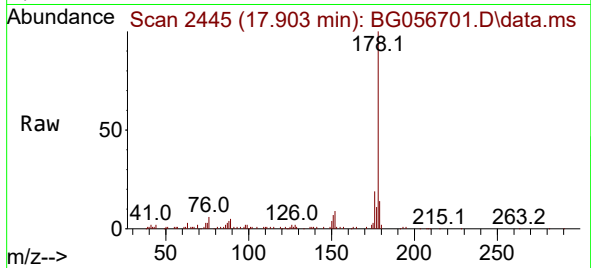




#72
 Anthracene
 Concen: 8.124 ng
 RT: 17.903 min Scan# 2489
 Delta R.T. -0.001 min
 Lab File: BG056701.D
 Acq: 22 Feb 2023 17:17

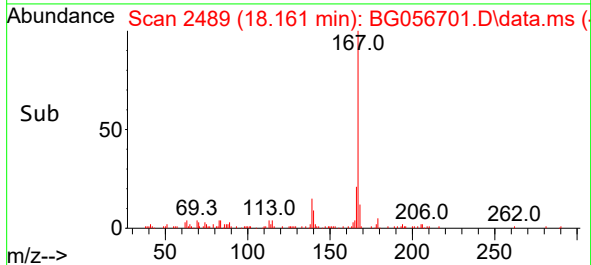
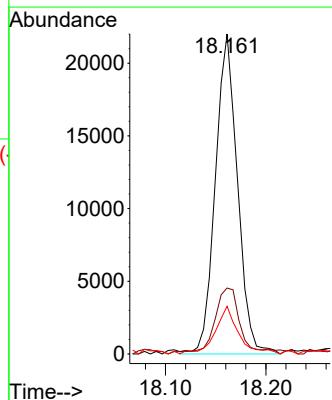
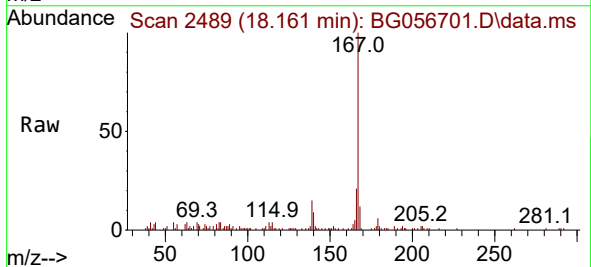
Instrument :
 BNA_G
 ClientSampleId :
 TR-05-02212023

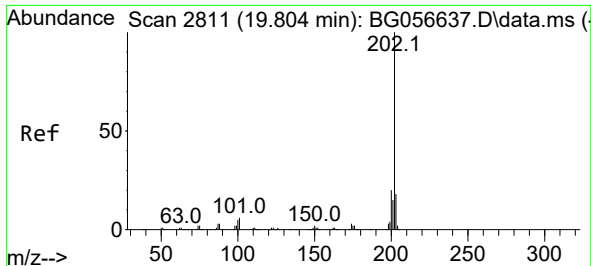
Tgt Ion:178 Resp: 57000
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.3 21.5
 179 14.0 12.2 18.4



#73
 Carbazole
 Concen: 5.565 ng
 RT: 18.161 min Scan# 2489
 Delta R.T. -0.007 min
 Lab File: BG056701.D
 Acq: 22 Feb 2023 17:17

Tgt Ion:167 Resp: 33661
 Ion Ratio Lower Upper
 167 100
 166 20.6 18.1 27.1
 139 14.9 9.4 14.0#

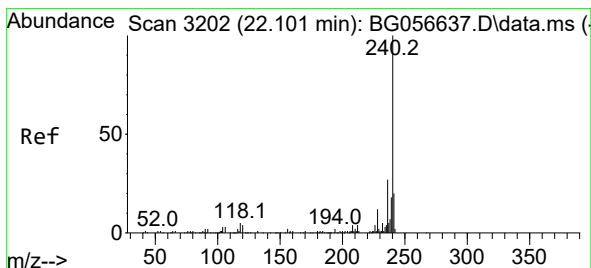
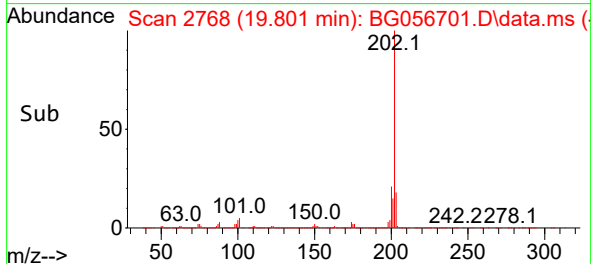
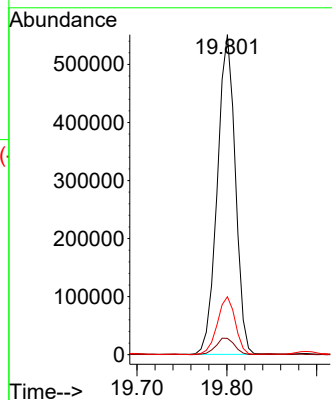
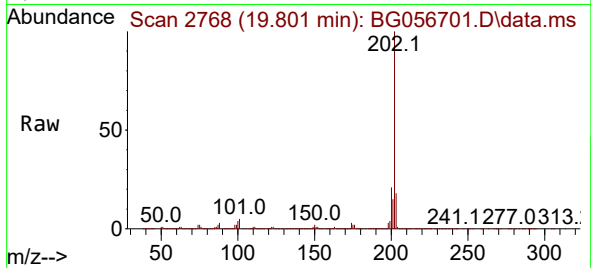




#75
Fluoranthene
Concen: 84.835 ng
RT: 19.801 min Scan# 21
Delta R.T. 0.005 min
Lab File: BG056701.D
Acq: 22 Feb 2023 17:17

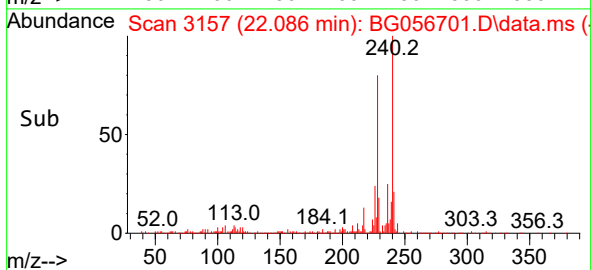
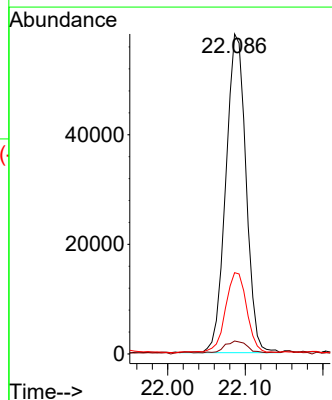
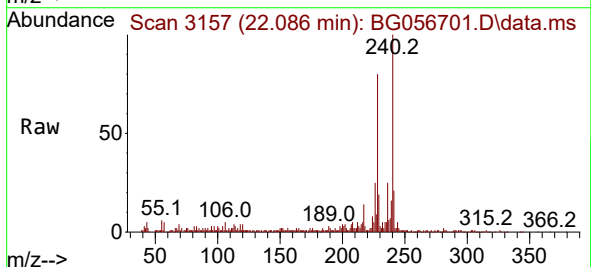
Instrument :
BNA_G
ClientSampleId :
TR-05-02212023

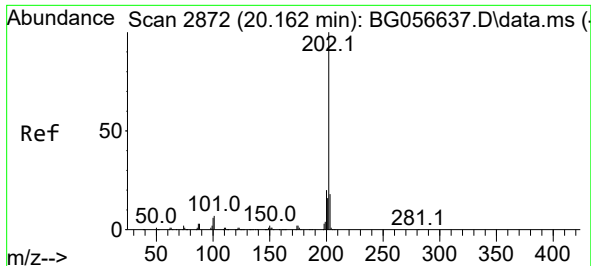
Tgt Ion:202 Resp: 767553
Ion Ratio Lower Upper
202 100
101 5.1 0.0 25.8
203 18.1 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.086 min Scan# 3157
Delta R.T. -0.001 min
Lab File: BG056701.D
Acq: 22 Feb 2023 17:17

Tgt Ion:240 Resp: 105274
Ion Ratio Lower Upper
240 100
120 4.0 3.5 5.3
236 25.4 21.5 32.3

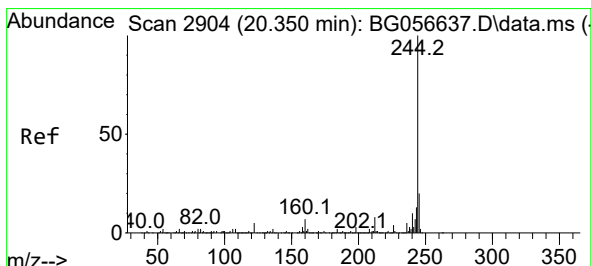
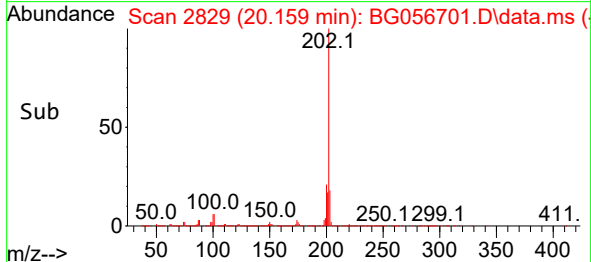
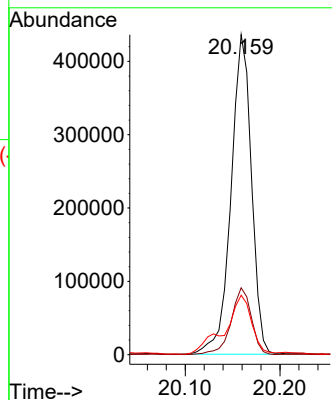
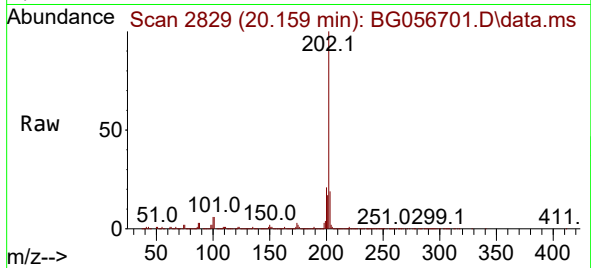




#78
 Pyrene
 Concen: 81.824 ng
 RT: 20.159 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG056701.D
 Acq: 22 Feb 2023 17:17

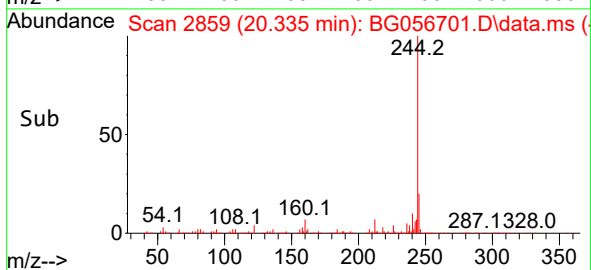
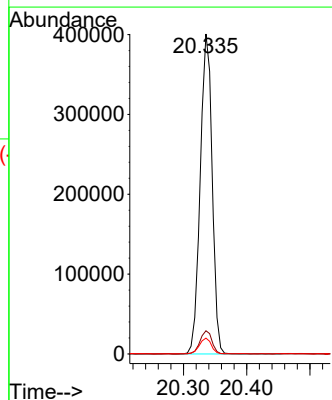
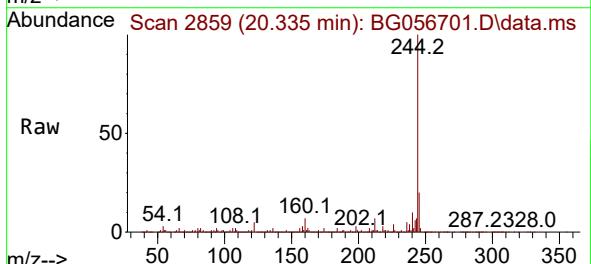
Instrument :
 BNA_G
 ClientSampleId :
 TR-05-02212023

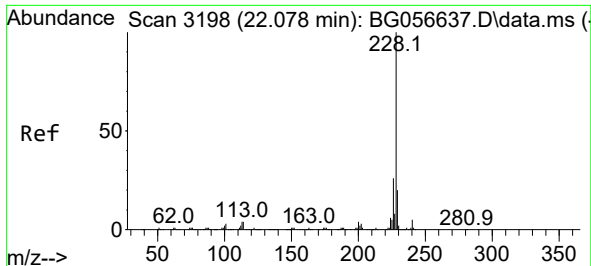
Tgt Ion:202 Resp: 650545
 Ion Ratio Lower Upper
 202 100
 200 20.9 15.8 23.8
 203 18.6 14.2 21.4



#79
 Terphenyl-d14
 Concen: 81.633 ng
 RT: 20.335 min Scan# 2859
 Delta R.T. -0.001 min
 Lab File: BG056701.D
 Acq: 22 Feb 2023 17:17

Tgt Ion:244 Resp: 525260
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 5.0 3.8 5.8

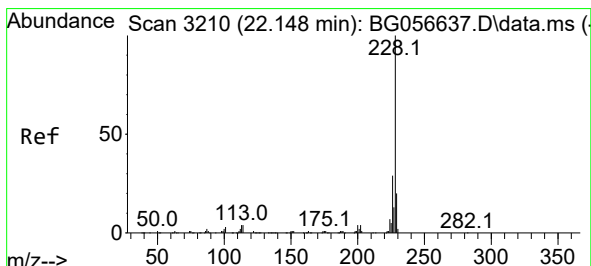
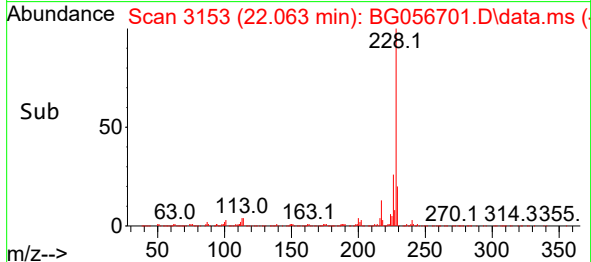
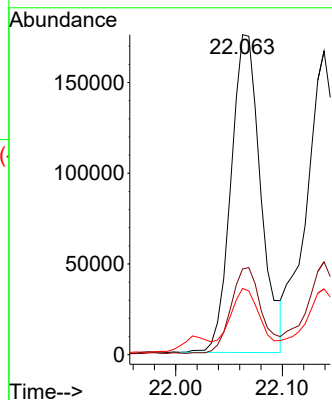
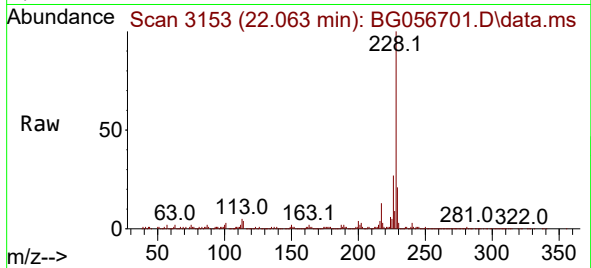




#81
Benzo(a)anthracene
Concen: 43.543 ng
RT: 22.063 min Scan# 3198
Delta R.T. -0.001 min
Lab File: BG056701.D
Acq: 22 Feb 2023 17:17

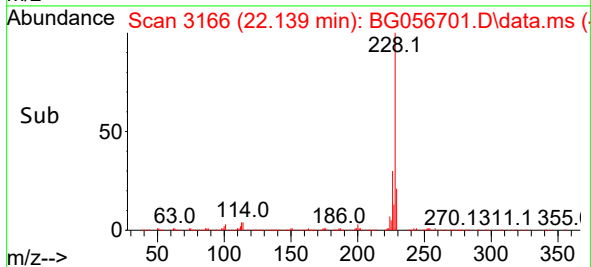
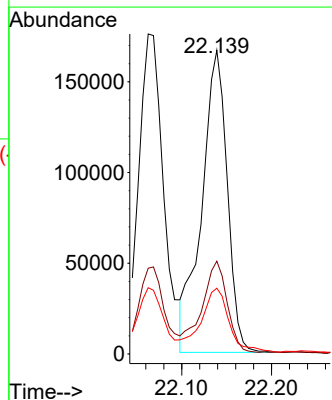
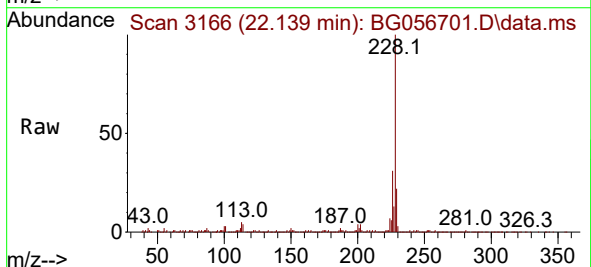
Instrument :
BNA_G
ClientSampleId :
TR-05-02212023

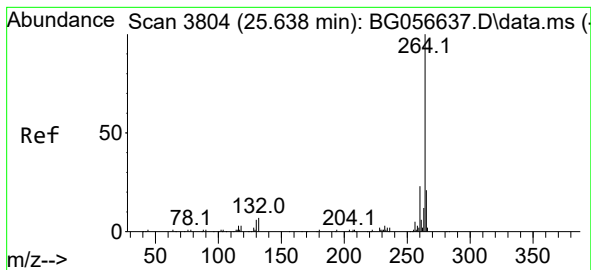
Tgt Ion:228 Resp: 340894
Ion Ratio Lower Upper
228 100
226 26.8 20.4 30.6
229 20.7 16.0 24.0



#83
Chrysene
Concen: 45.062 ng
RT: 22.139 min Scan# 3166
Delta R.T. -0.001 min
Lab File: BG056701.D
Acq: 22 Feb 2023 17:17

Tgt Ion:228 Resp: 329801
Ion Ratio Lower Upper
228 100
226 30.5 23.0 34.6
229 21.7 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.641 min Scan# 31

Delta R.T. 0.017 min

Lab File: BG056701.D

Acq: 22 Feb 2023 17:17

Instrument :

BNA_G

ClientSampleId :

TR-05-02212023

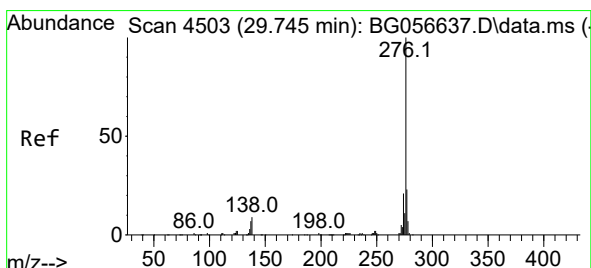
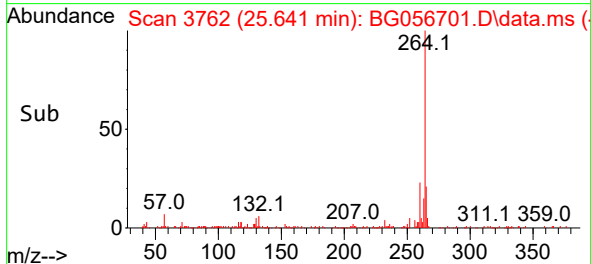
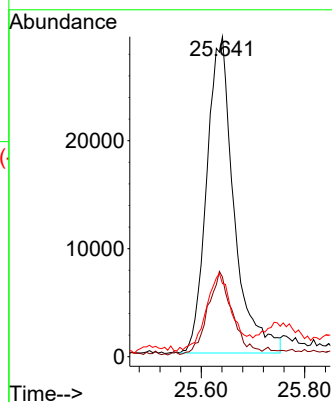
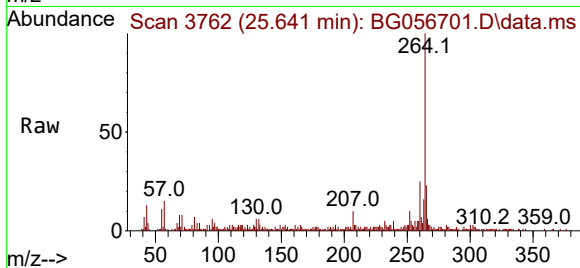
Tgt Ion:264 Resp: 107252

Ion Ratio Lower Upper

264 100

260 24.9 18.6 27.8

265 22.8 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 17.131 ng

RT: 29.736 min Scan# 4459

Delta R.T. 0.011 min

Lab File: BG056701.D

Acq: 22 Feb 2023 17:17

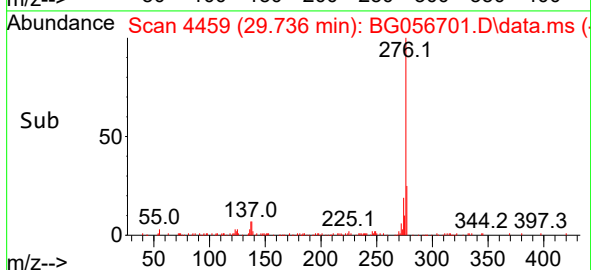
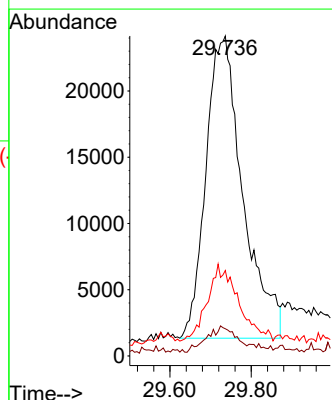
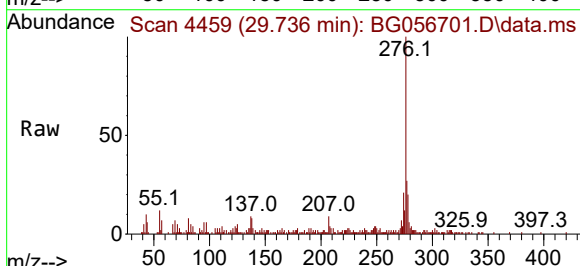
Tgt Ion:276 Resp: 143898

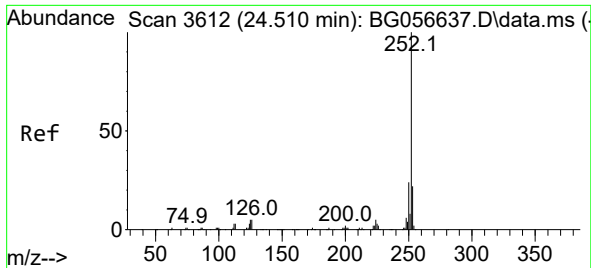
Ion Ratio Lower Upper

276 100

138 6.7 3.8 5.8#

277 21.5 20.3 30.5

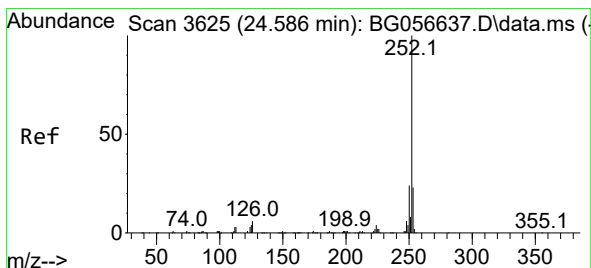
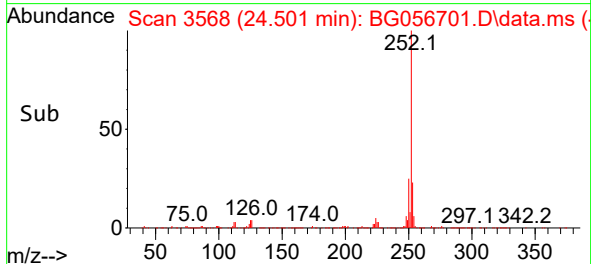
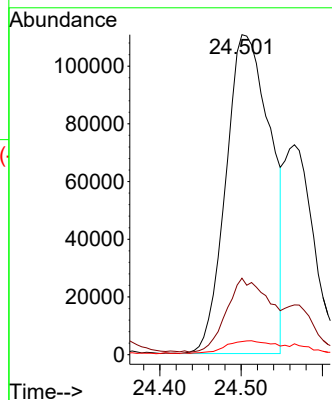
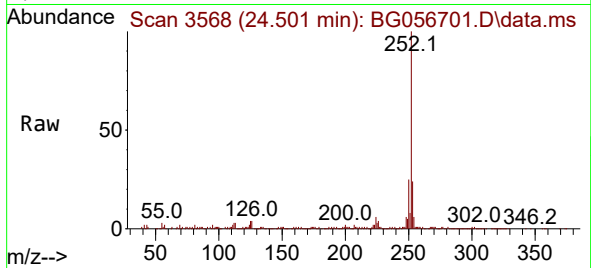




#88
Benzo(b)fluoranthene
Concen: 60.242 ng
RT: 24.501 min Scan# 3568
Delta R.T. 0.005 min
Lab File: BG056701.D
Acq: 22 Feb 2023 17:17

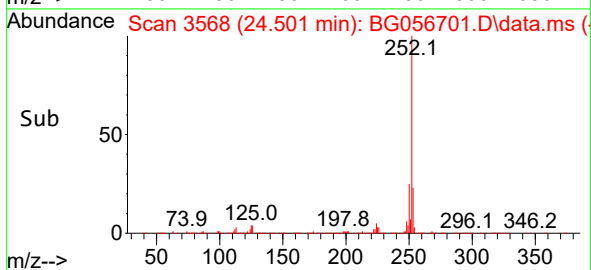
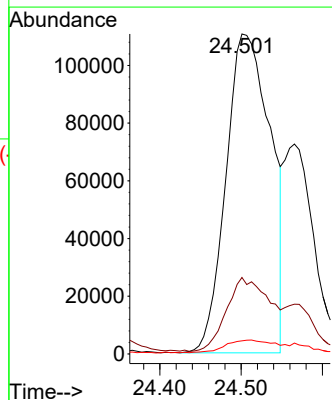
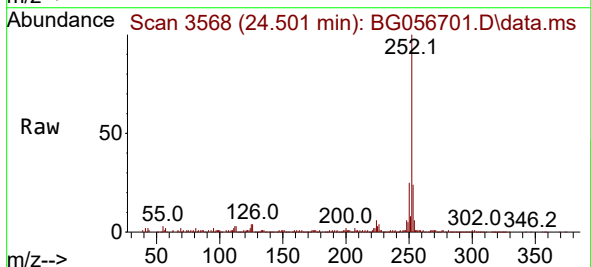
Instrument :
BNA_G
ClientSampleId :
TR-05-02212023

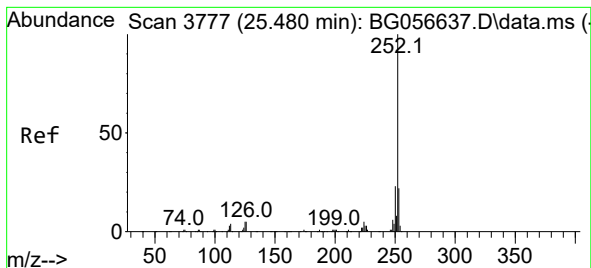
Tgt Ion:252 Resp: 422111
Ion Ratio Lower Upper
252 100
253 23.9 17.3 25.9
125 4.1 3.7 5.5



#89
Benzo(k)fluoranthene
Concen: 61.261 ng
RT: 24.501 min Scan# 3568
Delta R.T. -0.071 min
Lab File: BG056701.D
Acq: 22 Feb 2023 17:17

Tgt Ion:252 Resp: 422111
Ion Ratio Lower Upper
252 100
253 23.9 18.5 27.7
125 4.1 3.4 5.0





#90

Benzo(a)pyrene

Concen: 44.597 ng

RT: 25.470 min Scan# 31

Delta R.T. 0.011 min

Lab File: BG056701.D

Acq: 22 Feb 2023 17:17

Instrument :

BNA_G

ClientSampleId :

TR-05-02212023

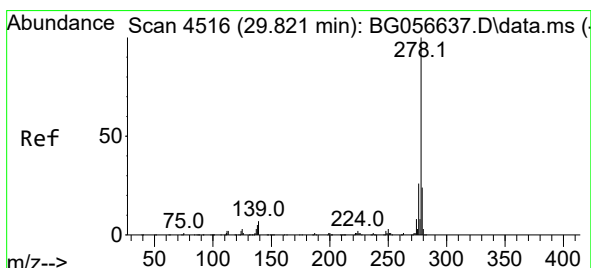
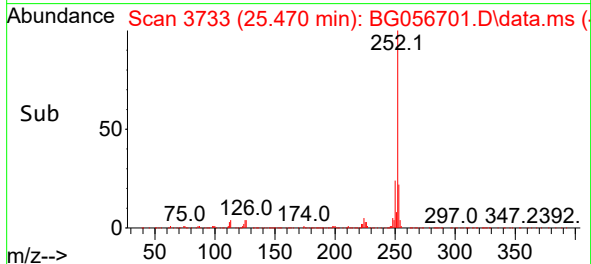
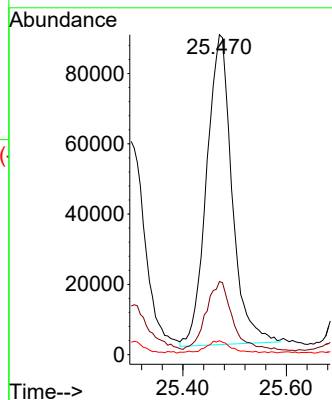
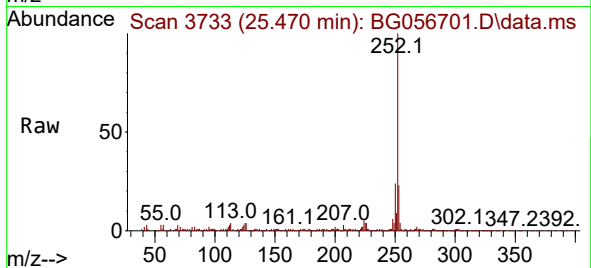
Tgt Ion:252 Resp: 300372

Ion Ratio Lower Upper

252 100

253 22.8 17.9 26.9

125 4.4 4.0 6.0



#91

Dibenzo(a,h)anthracene

Concen: 5.154 ng

RT: 29.777 min Scan# 4466

Delta R.T. -0.013 min

Lab File: BG056701.D

Acq: 22 Feb 2023 17:17

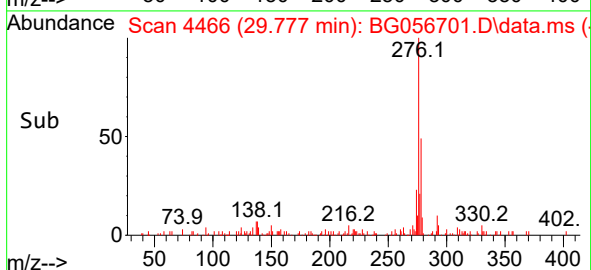
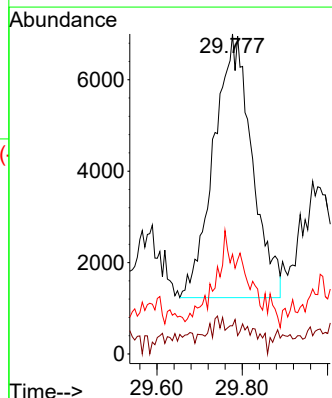
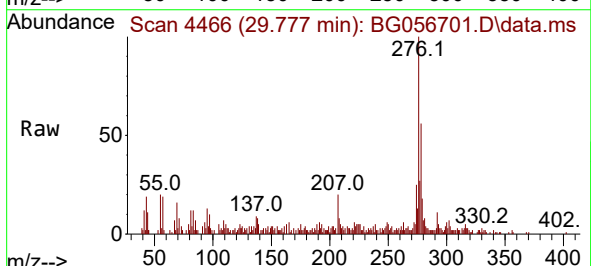
Tgt Ion:278 Resp: 35852

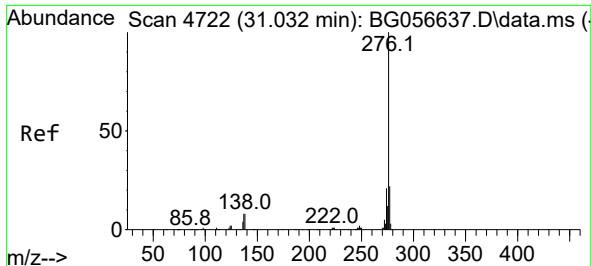
Ion Ratio Lower Upper

278 100

139 8.8 5.8 8.8#

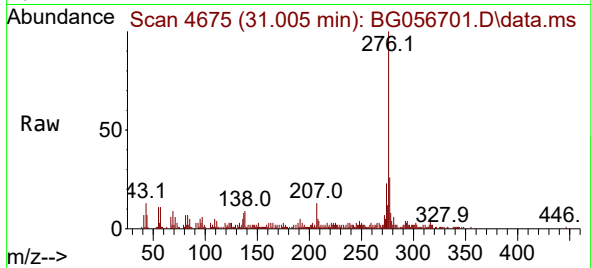
279 31.1 19.6 29.4#





#92
 Benzo(g,h,i)perylene
 Concen: 17.363 ng
 RT: 31.005 min Scan# 4
 Delta R.T. -0.001 min
 Lab File: BG056701.D
 Acq: 22 Feb 2023 17:17

Instrument :
 BNA_G
 ClientSampleId :
 TR-05-02212023



Tgt Ion:276 Resp: 118025
 Ion Ratio Lower Upper
 276 100
 277 26.1 17.5 26.3
 138 8.7 6.4 9.6

