

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021023\
 Data File : BG056613.D
 Acq On : 10 Feb 2023 20:04
 Operator : CG/JU
 Sample : 01510-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TWM-TP14-020823

Quant Time: Feb 10 22:50:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 10 22:46:08 2023
 Response via : Initial Calibration

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

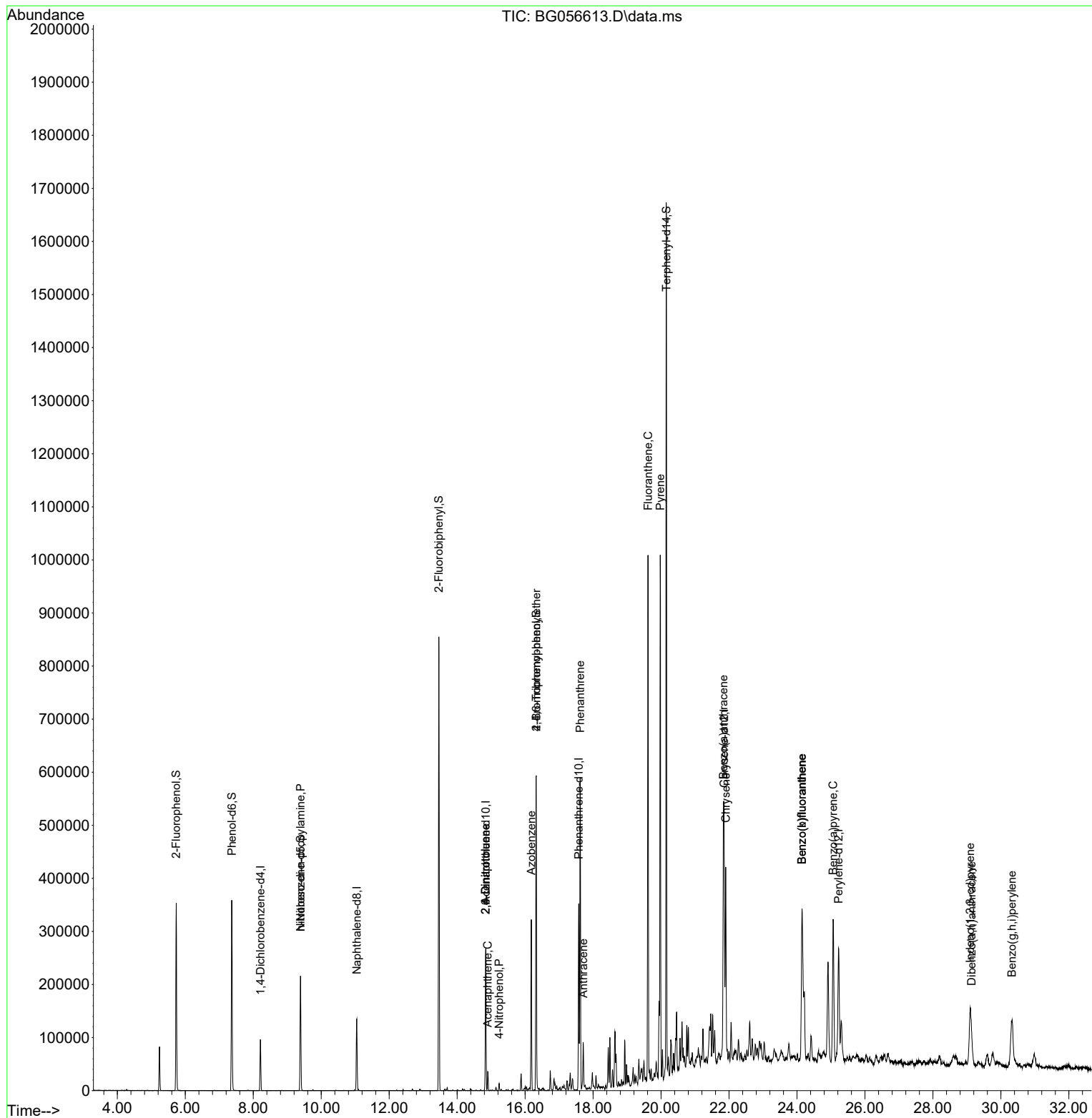
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.212	152	32710	20.000	ng	0.00
21) Naphthalene-d8	11.044	136	129285	20.000	ng	0.00
39) Acenaphthene-d10	14.840	164	103746	20.000	ng	0.00
64) Phenanthrene-d10	17.578	188	246471	20.000	ng	0.00
76) Chrysene-d12	21.855	240	231323	20.000	ng	0.00
86) Perylene-d12	25.222	264	257693	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.733	112	199494	112.193	ng	0.00
7) Phenol-d6	7.366	99	280008	106.281	ng	0.00
23) Nitrobenzene-d5	9.387	82	147957	64.986	ng	0.00
42) 2,4,6-Tribromophenol	16.326	330	133720	96.952	ng	0.00
45) 2-Fluorobiphenyl	13.459	172	497397	66.470	ng	0.00
79) Terphenyl-d14	20.157	244	885828	67.258	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.366	77	493	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	9.387	70	18580	12.238	ng	# 73
51) 2,6-Dinitrotoluene	14.834	165	14732	8.049	ng	# 36
52) Acenaphthene	14.899	154	15283	2.693	ng	# 92
56) 4-Nitrophenol	15.234	139	3307	2.727	ng	# 10
57) 2,4-Dinitrotoluene	14.834	165	14732	5.714	ng	# 35
63) Azobenzene	16.179	77	80470	14.838	ng	# 1
67) 4-Bromophenyl-phenylether	16.326	248	10888	3.451	ng	# 1
71) Phenanthrene	17.619	178	401888	31.154	ng	# 98
72) Anthracene	17.707	178	66563	5.027	ng	# 97
75) Fluoranthene	19.617	202	664863	40.836	ng	# 99
78) Pyrene	19.975	202	683400	41.539	ng	# 99
81) Benzo(a)anthracene	21.832	228	290446	17.960	ng	# 100
83) Chrysene	21.902	228	284865	18.749	ng	# 99
87) Indeno(1,2,3-cd)pyrene	29.100	276	212258	11.252	ng	# 96
88) Benzo(b)fluoranthene	24.147	252	423589	26.483	ng	# 97
89) Benzo(k)fluoranthene	24.147	252	423589	26.230	ng	# 95
90) Benzo(a)pyrene	25.063	252	326715	20.736	ng	# 99
91) Dibenzo(a,h)anthracene	29.135	278	48407	3.057	ng	# 90
92) Benzo(g,h,i)perylene	30.322	276	220880	14.457	ng	# 99

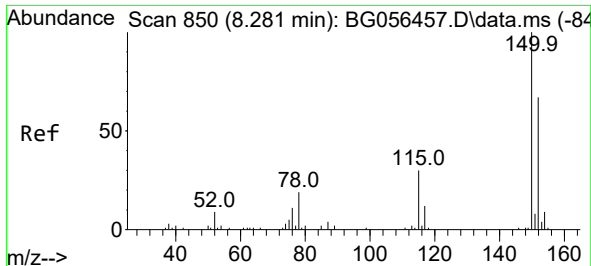
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021023\
Data File : BG056613.D
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BNA_G
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TWM-TP14-020823

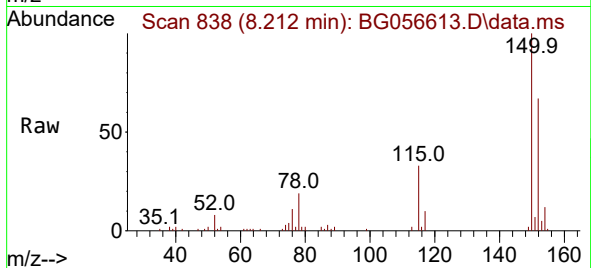
Quant Time: Feb 10 22:50:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration



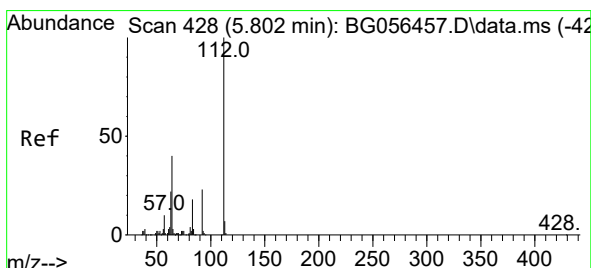
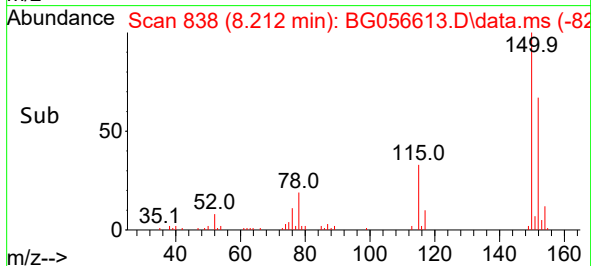
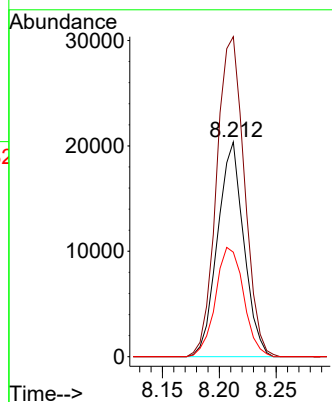


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.212 min Scan# 81
Delta R.T. 0.005 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

Instrument :
BNA_G
ClientSampleId :
TWM-TP14-020823

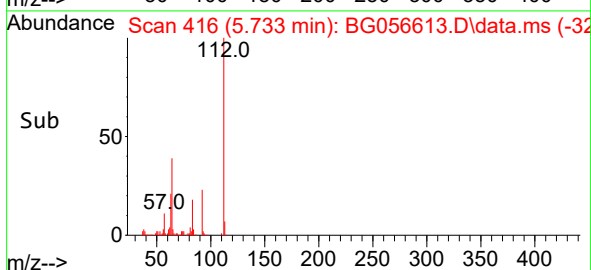
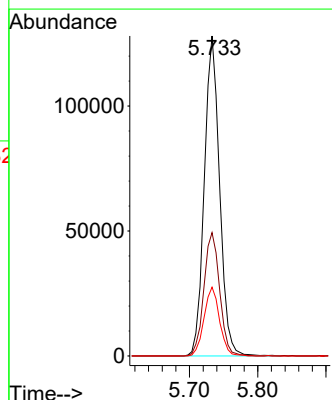
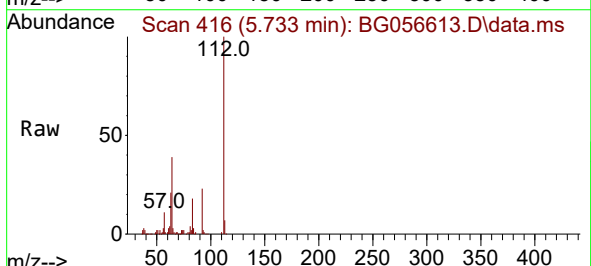


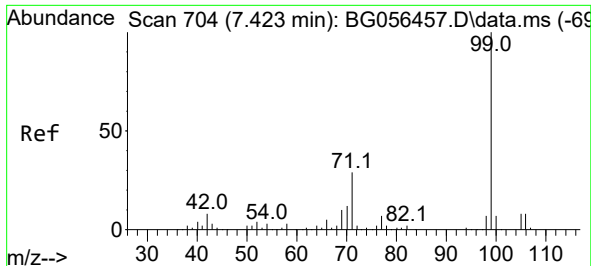
Tgt Ion:152 Resp: 32710
Ion Ratio Lower Upper
152 100
150 149.0 120.2 180.4
115 48.6 36.3 54.5



#5
2-Fluorophenol
Concen: 112.193 ng
RT: 5.733 min Scan# 416
Delta R.T. 0.005 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

Tgt Ion:112 Resp: 199494
Ion Ratio Lower Upper
112 100
64 38.6 31.9 47.9
63 21.5 17.4 26.0

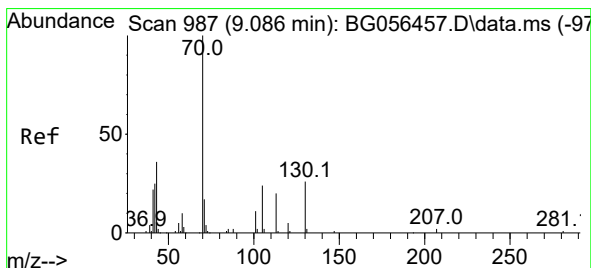
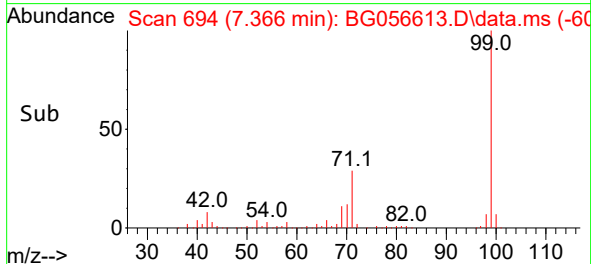
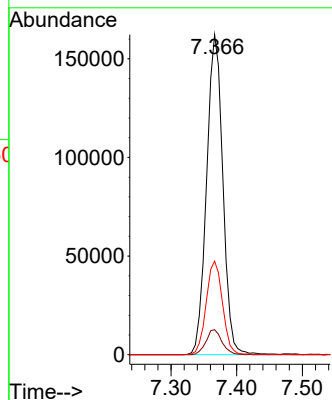
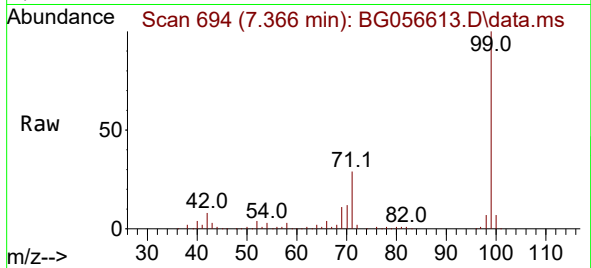




#7
Phenol-d6
Concen: 106.281 ng
RT: 7.366 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

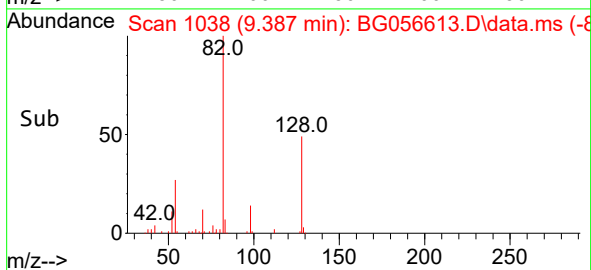
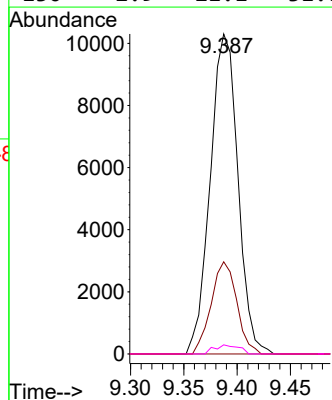
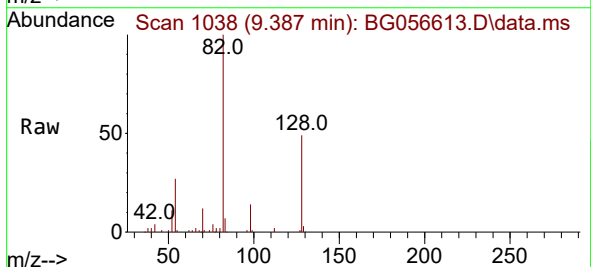
Instrument :
BNA_G
ClientSampleId :
TWM-TP14-020823

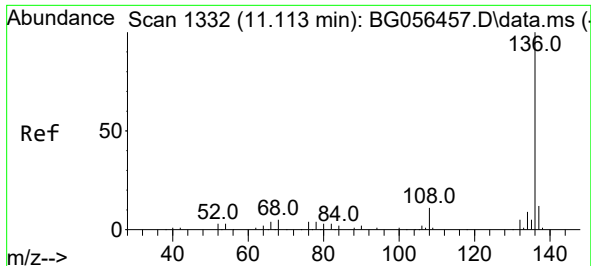
Tgt Ion: 99 Resp: 280008
Ion Ratio Lower Upper
99 100
42 7.8 6.6 10.0
71 29.3 23.4 35.0



#19
n-Nitroso-di-n-propylamine
Concen: 12.238 ng
RT: 9.387 min Scan# 1038
Delta R.T. 0.369 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

Tgt Ion: 70 Resp: 18580
Ion Ratio Lower Upper
70 100
42 28.8 20.2 30.4
101 0.0 9.1 13.7#
130 2.9 21.1 31.7#

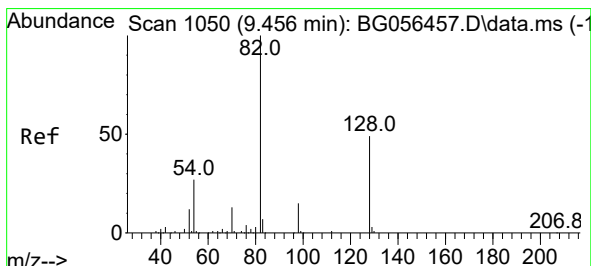
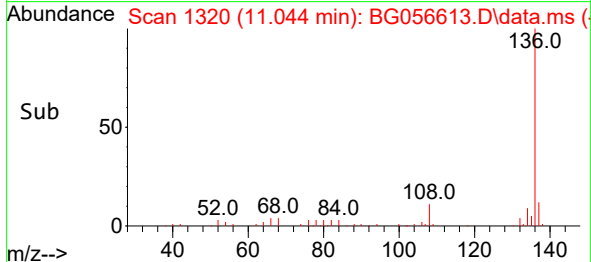
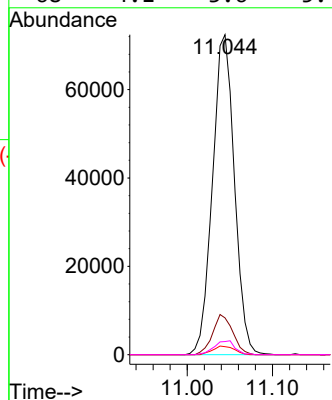
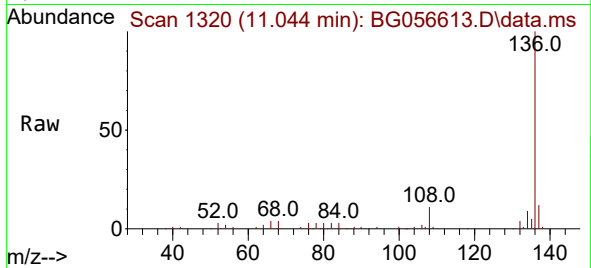




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.044 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

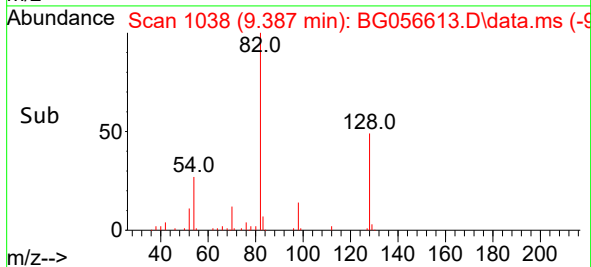
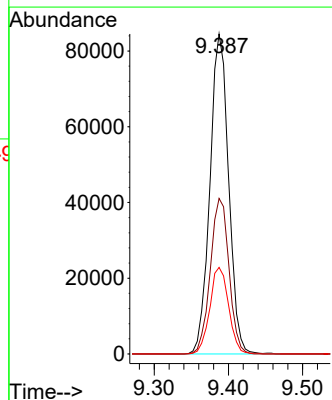
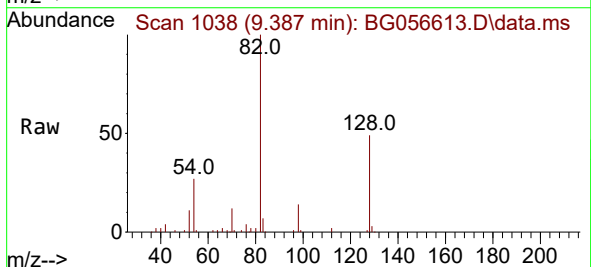
Instrument :
BNA_G
ClientSampleId :
TWM-TP14-020823

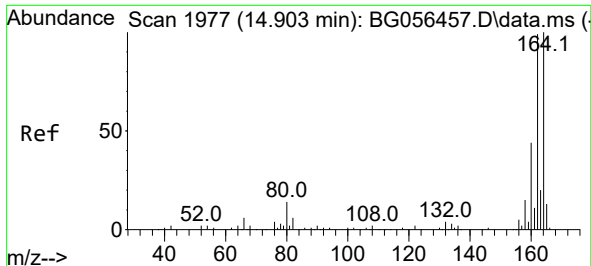
Tgt Ion:	136	Resp:	129285
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.4	14.0
54	2.5	2.2	3.4
68	4.1	3.6	5.4



#23
Nitrobenzene-d5
Concen: 64.986 ng
RT: 9.387 min Scan# 1038
Delta R.T. -0.001 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

Tgt Ion:	82	Resp:	147957
Ion Ratio	Lower	Upper	
82	100		
128	48.6	39.4	59.2
54	27.0	21.4	32.2

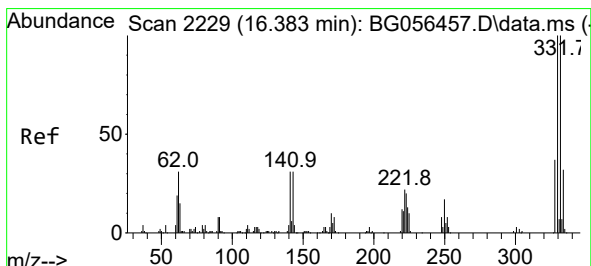
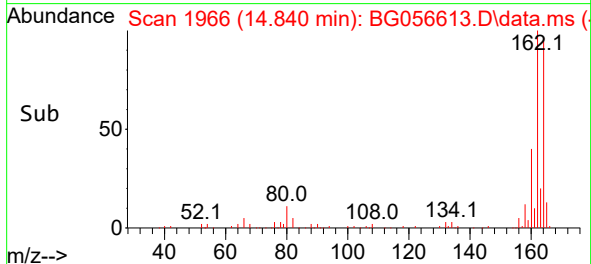
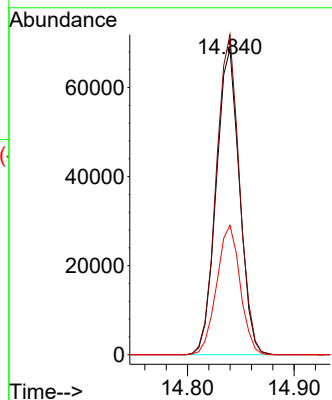
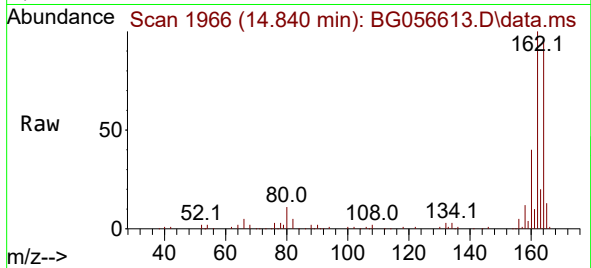




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.840 min Scan# 1977
Delta R.T. -0.001 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

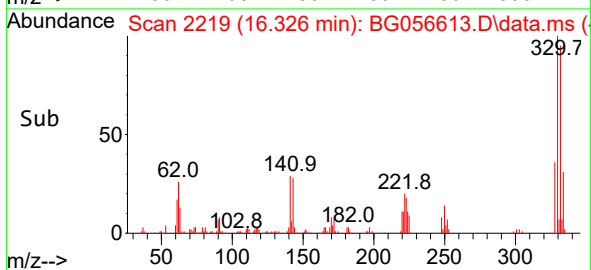
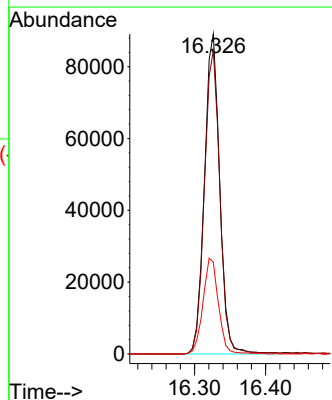
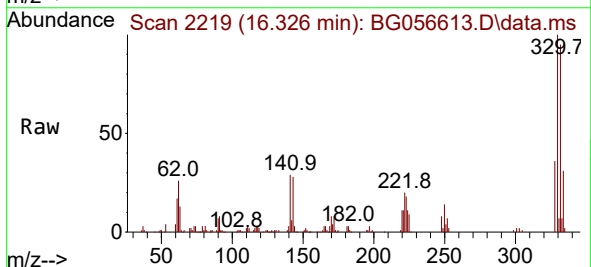
Instrument :
BNA_G
ClientSampleId :
TWM-TP14-020823

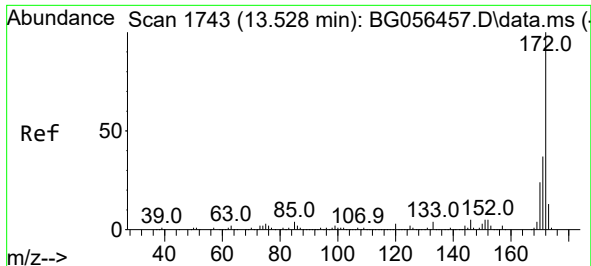
Tgt Ion:164 Resp: 103746
Ion Ratio Lower Upper
164 100
162 104.6 79.6 119.4
160 42.4 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 96.952 ng
RT: 16.326 min Scan# 2219
Delta R.T. -0.001 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

Tgt Ion:330 Resp: 133720
Ion Ratio Lower Upper
330 100
332 95.5 79.0 118.6
141 30.3 24.2 36.4

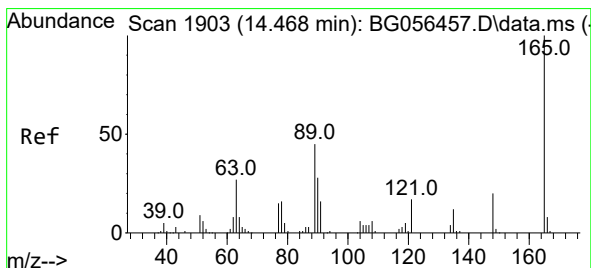
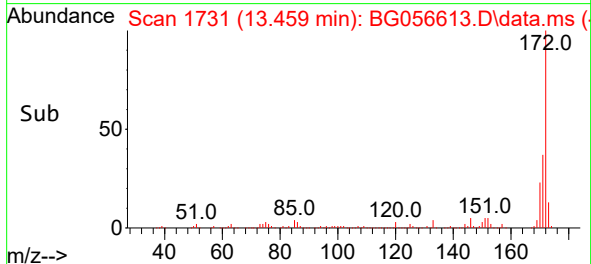
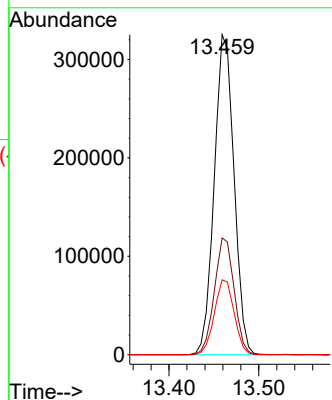
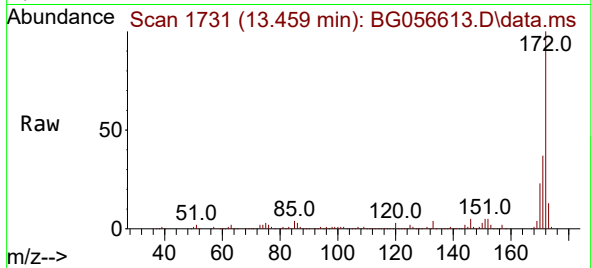




#45
2-Fluorobiphenyl
Concen: 66.470 ng
RT: 13.459 min Scan# 1731
Delta R.T. -0.007 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

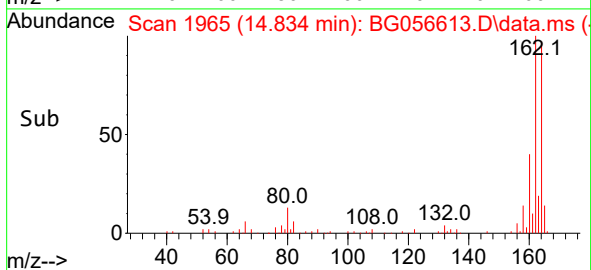
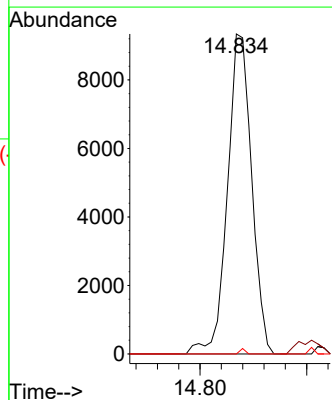
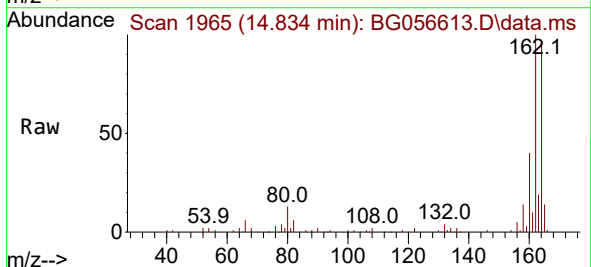
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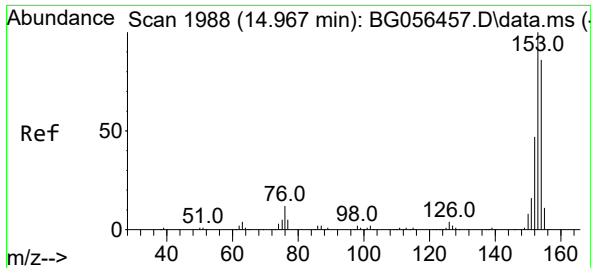
Tgt Ion:172 Resp: 497397
Ion Ratio Lower Upper
172 100
171 36.5 29.5 44.3
170 23.4 19.2 28.8



#51
2,6-Dinitrotoluene
Concen: 8.049 ng
RT: 14.834 min Scan# 1965
Delta R.T. 0.416 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

Tgt Ion:165 Resp: 14732
Ion Ratio Lower Upper
165 100
63 0.0 26.9 40.3#
89 0.0 35.6 53.4#

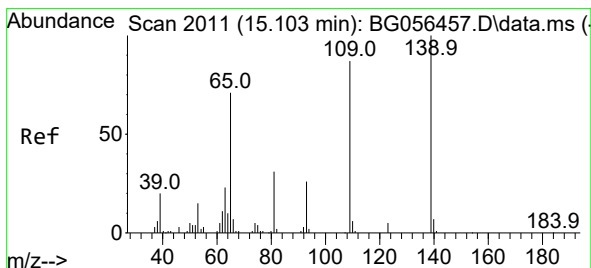
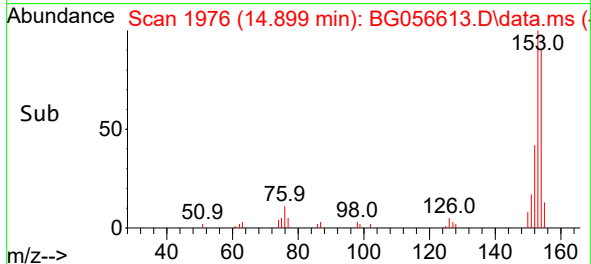
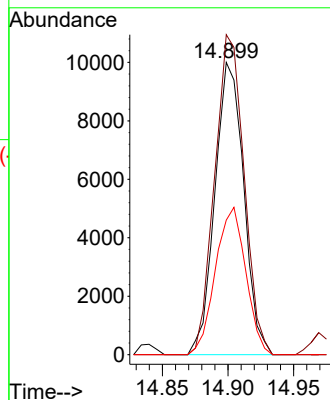
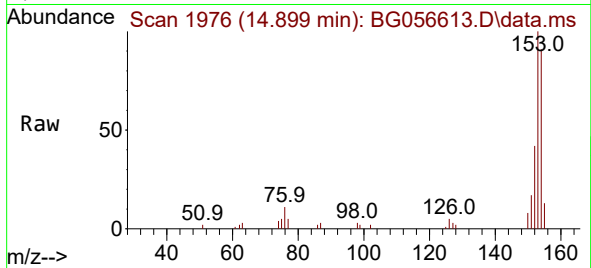




#52
Acenaphthene
Concen: 2.693 ng
RT: 14.899 min Scan# 1988
Delta R.T. -0.007 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

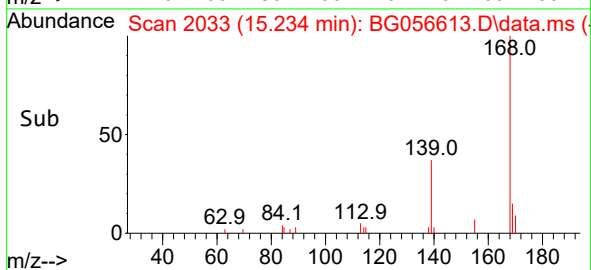
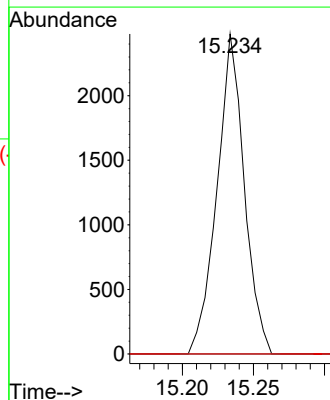
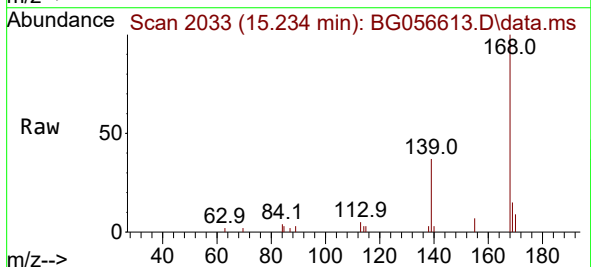
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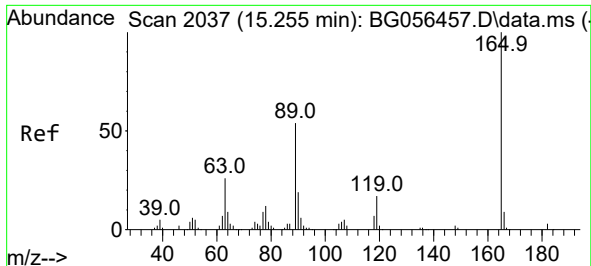
Tgt Ion:154 Resp: 15283
Ion Ratio Lower Upper
154 100
153 109.5 93.4 140.0
152 46.0 43.4 65.2



#56
4-Nitrophenol
Concen: 2.727 ng
RT: 15.234 min Scan# 2033
Delta R.T. 0.164 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

Tgt Ion:139 Resp: 3307
Ion Ratio Lower Upper
139 100
109 0.0 67.5 107.5#
65 0.0 50.7 90.7#





#57

2,4-Dinitrotoluene

Concen: 5.714 ng

RT: 14.834 min Scan# 1965

Delta R.T. -0.371 min

Lab File: BG056613.D

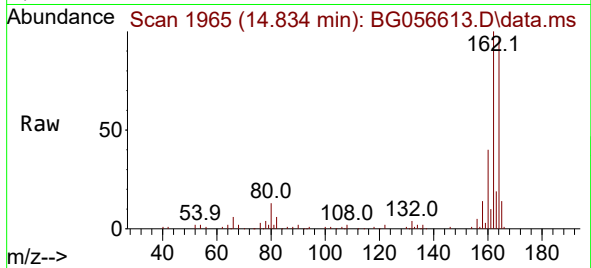
Acq: 10 Feb 2023 20:04

Instrument :

BNA_G

ClientSampleId :

TWM-TP14-020823



Tgt Ion:165 Resp: 14732

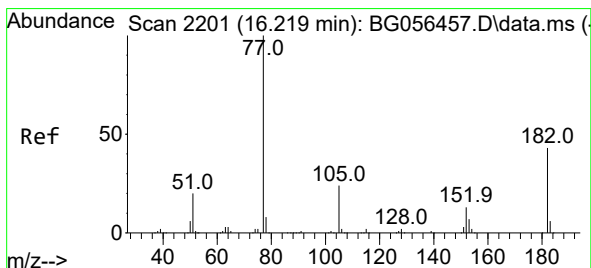
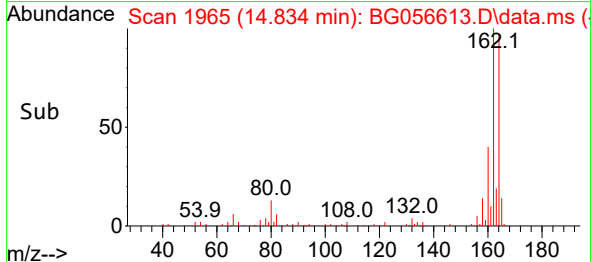
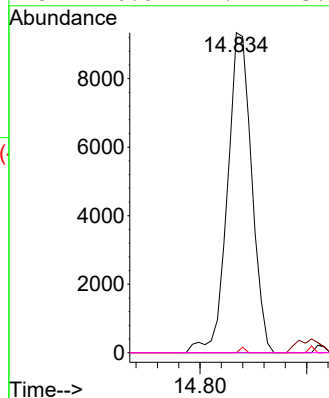
Ion Ratio Lower Upper

165 100

63 0.0 20.6 31.0#

89 0.0 43.1 64.7#

182 0.0 2.4 3.6#



#63

Azobenzene

Concen: 14.838 ng

RT: 16.179 min Scan# 2194

Delta R.T. 0.023 min

Lab File: BG056613.D

Acq: 10 Feb 2023 20:04

Tgt Ion: 77 Resp: 80470

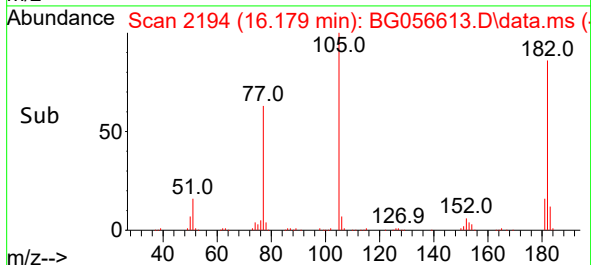
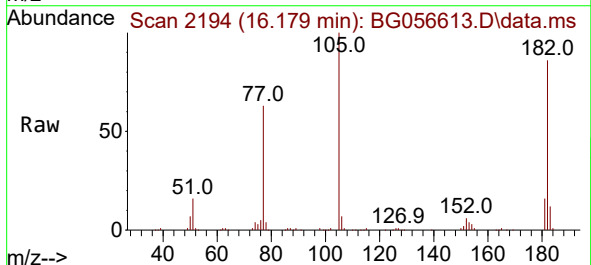
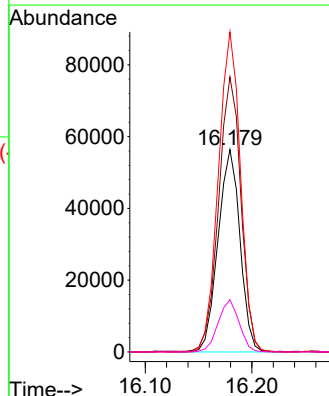
Ion Ratio Lower Upper

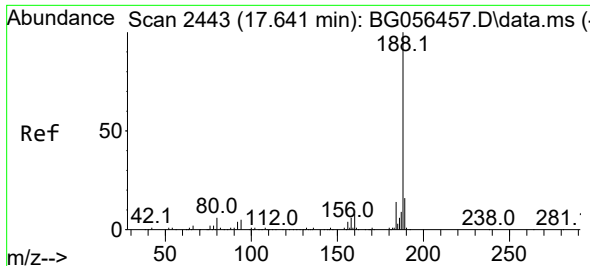
77 100

182 135.8 23.1 63.1#

105 158.1 4.2 44.2#

51 25.9 0.0 39.8

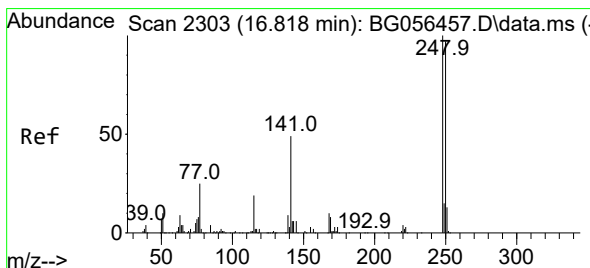
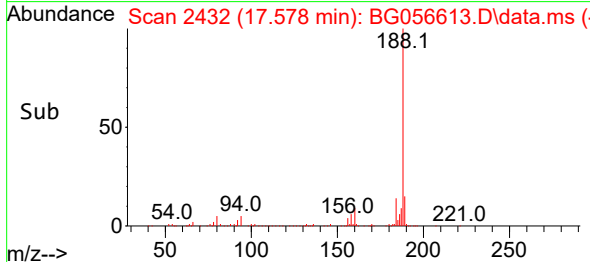
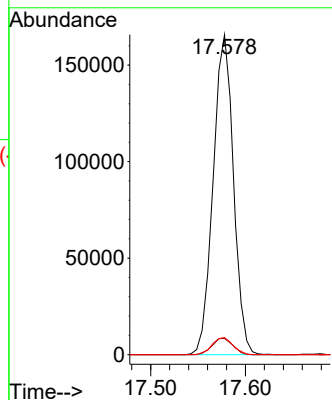
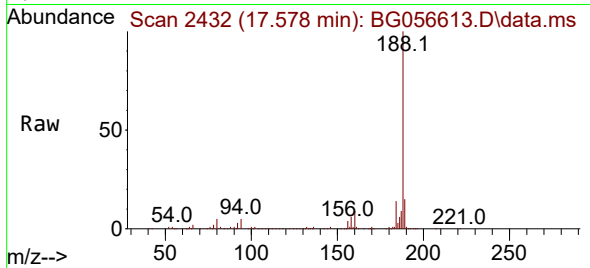




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.578 min Scan# 2443
Delta R.T. -0.007 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

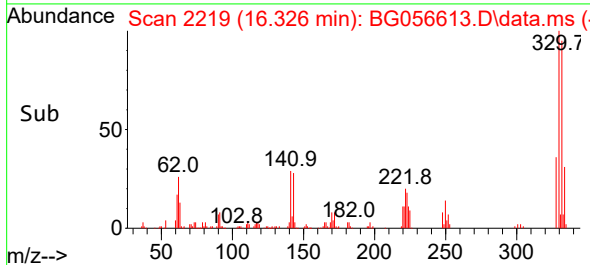
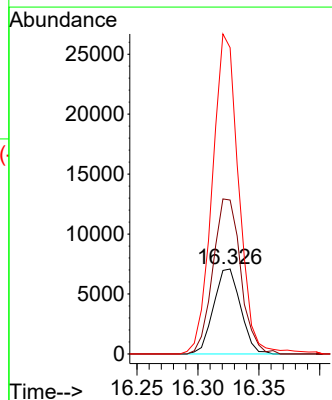
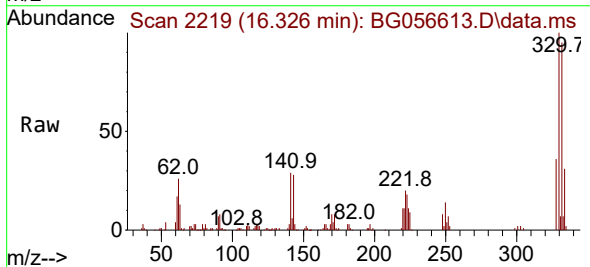
Instrument :
BNA_G
ClientSampleId :
TWM-TP14-020823

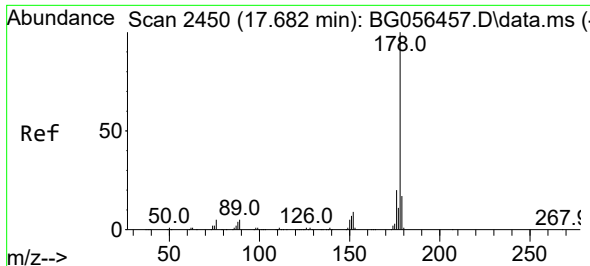
Tgt Ion:188 Resp: 246471
Ion Ratio Lower Upper
188 100
94 5.1 4.1 6.1
80 5.4 5.0 7.4



#67
4-Bromophenyl-phenylether
Concen: 3.451 ng
RT: 16.326 min Scan# 2219
Delta R.T. -0.430 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

Tgt Ion:248 Resp: 10888
Ion Ratio Lower Upper
248 100
250 181.3 77.6 116.4#
141 360.6 39.0 58.4#

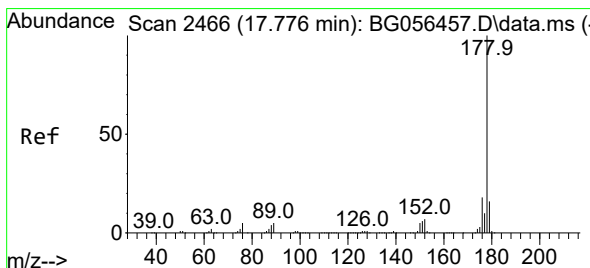
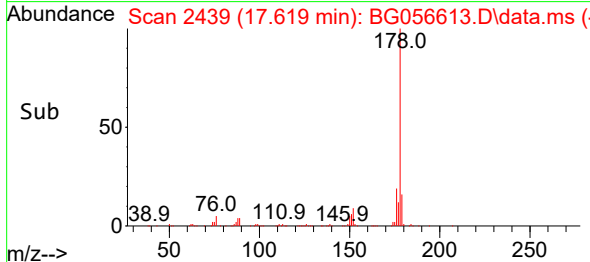
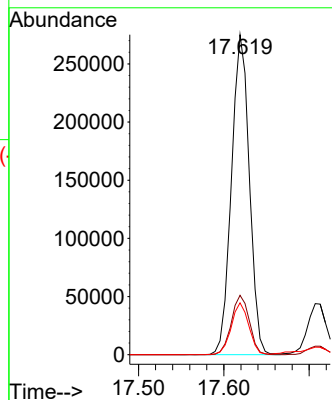
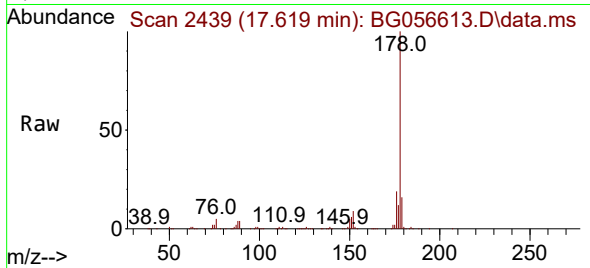




#71
Phenanthrene
Concen: 31.154 ng
RT: 17.619 min Scan# 24
Delta R.T. -0.007 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

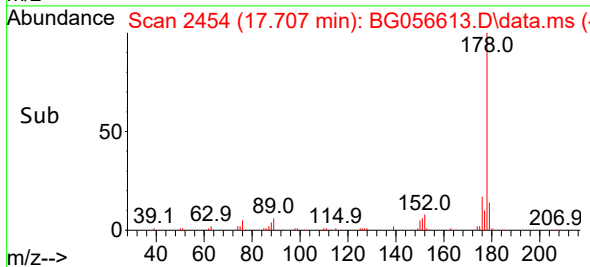
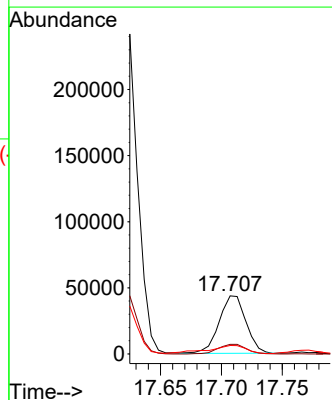
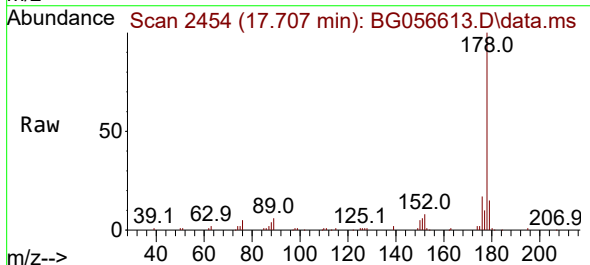
Instrument :
BNA_G
ClientSampleId :
TWM-TP14-020823

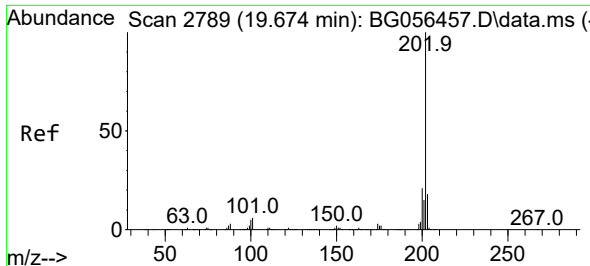
Tgt Ion:178 Resp: 401888
Ion Ratio Lower Upper
178 100
176 18.6 15.6 23.4
179 16.2 13.3 19.9



#72
Anthracene
Concen: 5.027 ng
RT: 17.707 min Scan# 2454
Delta R.T. -0.007 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

Tgt Ion:178 Resp: 66563
Ion Ratio Lower Upper
178 100
176 16.6 14.5 21.7
179 14.6 12.5 18.7

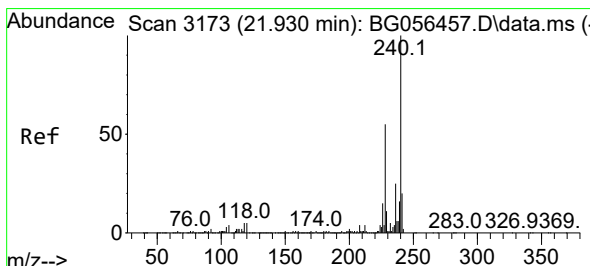
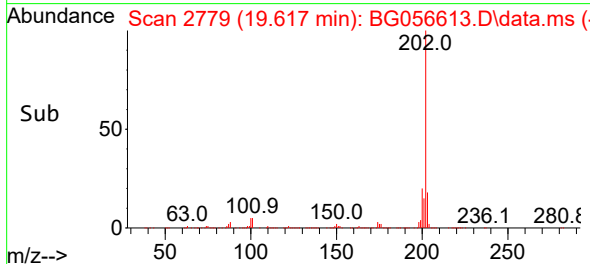
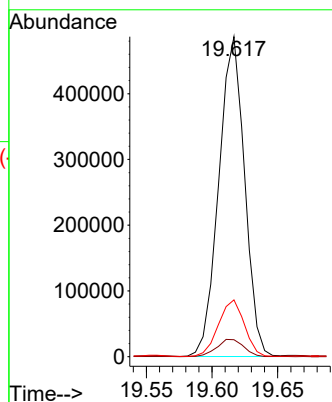
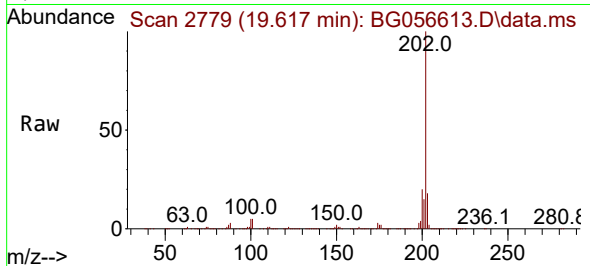




#75
Fluoranthene
Concen: 40.836 ng
RT: 19.617 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

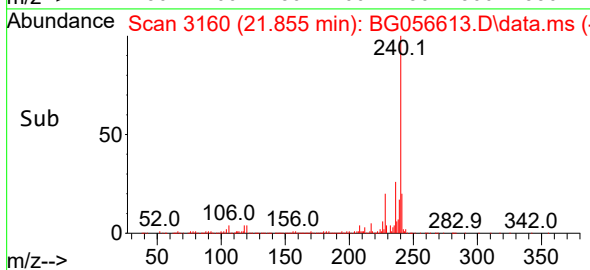
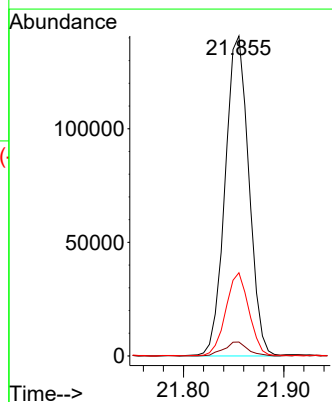
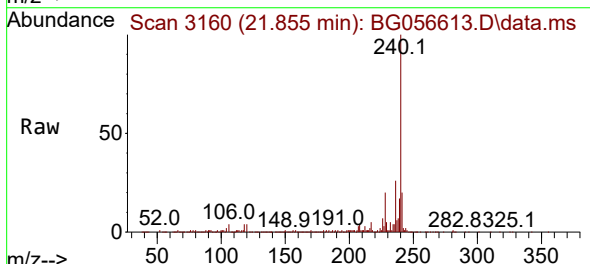
Instrument :
BNA_G
ClientSampleId :
TWM-TP14-020823

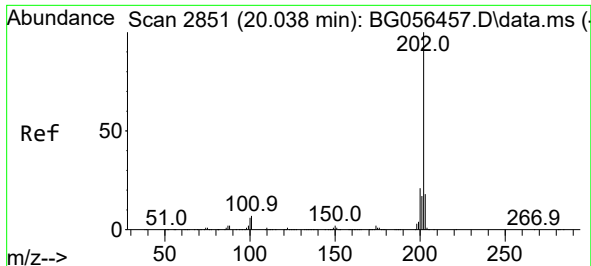
Tgt Ion:202 Resp: 664863
Ion Ratio Lower Upper
202 100
101 5.3 0.0 25.6
203 17.7 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.855 min Scan# 3160
Delta R.T. -0.007 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

Tgt Ion:240 Resp: 231323
Ion Ratio Lower Upper
240 100
120 4.4 3.8 5.8
236 26.0 20.2 30.2

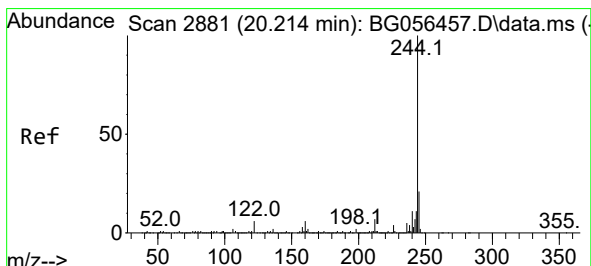
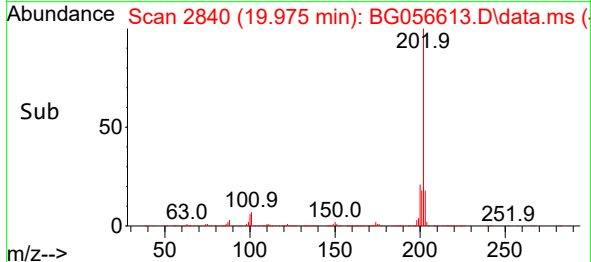
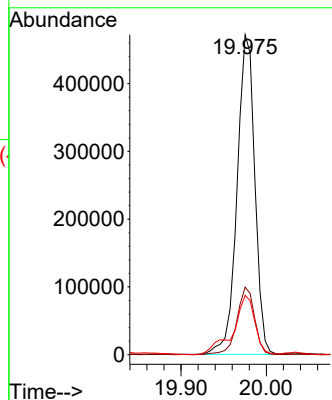
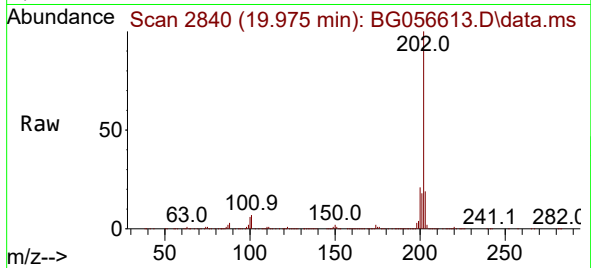




#78
Pyrene
Concen: 41.539 ng
RT: 19.975 min Scan# 2840
Delta R.T. -0.007 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

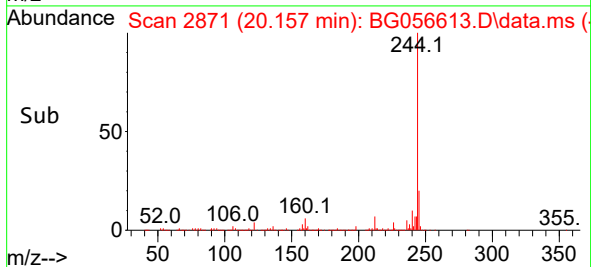
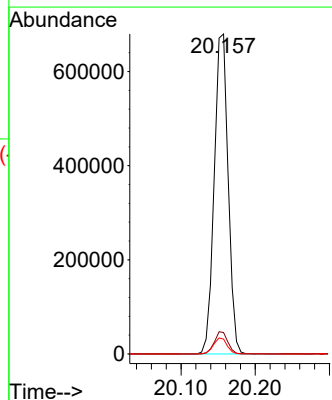
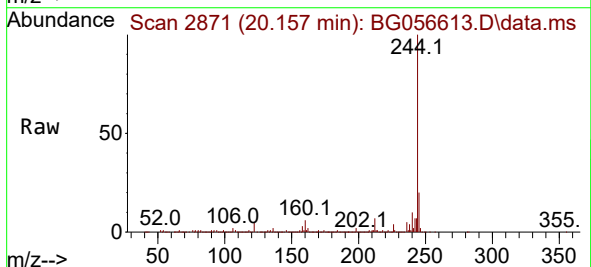
Instrument :
BNA_G
ClientSampleId :
TWM-TP14-020823

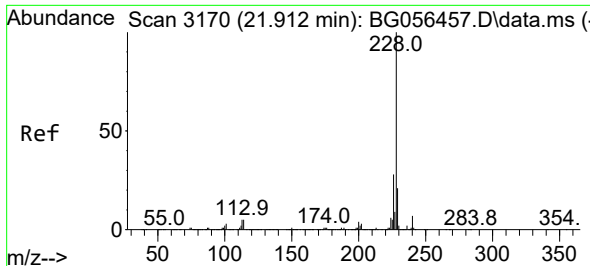
Tgt Ion:202 Resp: 683400
Ion Ratio Lower Upper
202 100
200 21.1 16.7 25.1
203 18.5 14.4 21.6



#79
Terphenyl-d14
Concen: 67.258 ng
RT: 20.157 min Scan# 2871
Delta R.T. -0.001 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

Tgt Ion:244 Resp: 885828
Ion Ratio Lower Upper
244 100
212 6.7 5.5 8.3
122 4.6 4.4 6.6

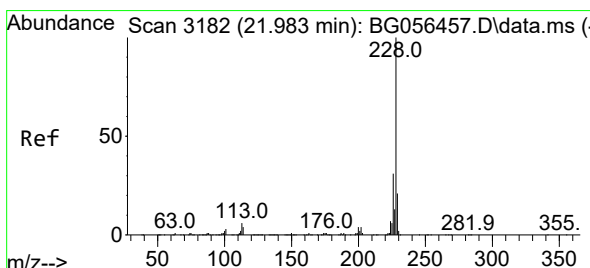
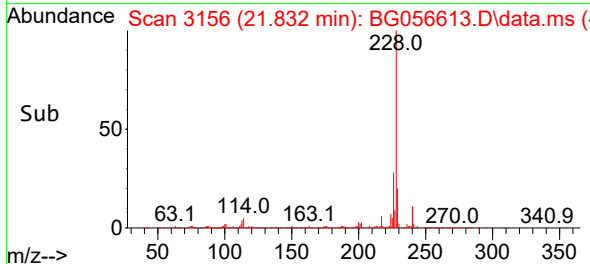
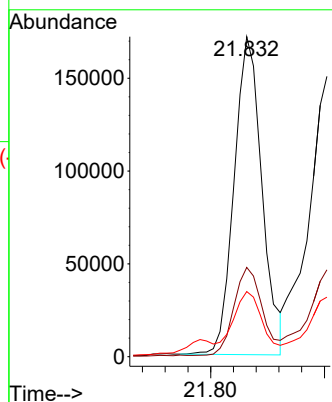
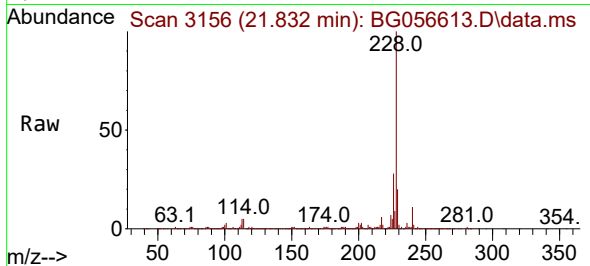




#81
Benzo(a)anthracene
Concen: 17.960 ng
RT: 21.832 min Scan# 3170
Delta R.T. -0.007 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

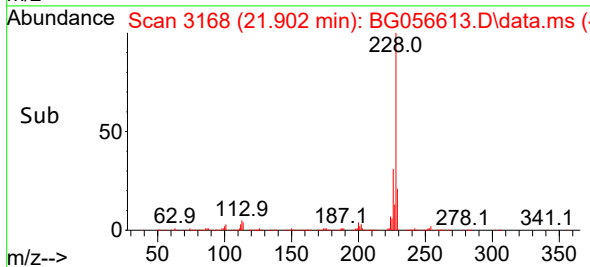
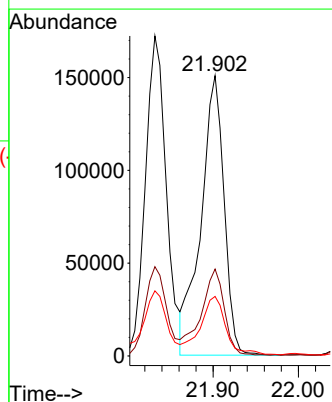
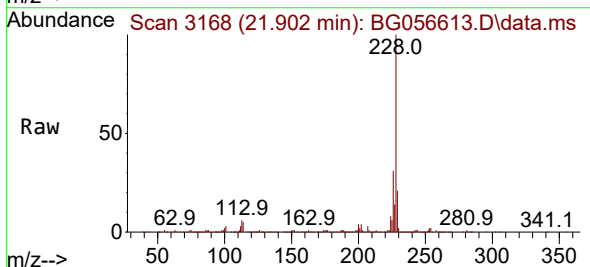
Instrument :
BNA_G
ClientSampleId :
TWM-TP14-020823

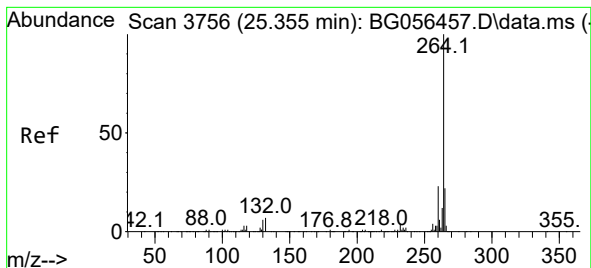
Tgt Ion:228 Resp: 290446
Ion Ratio Lower Upper
228 100
226 27.9 22.4 33.6
229 20.4 16.5 24.7



#83
Chrysene
Concen: 18.749 ng
RT: 21.902 min Scan# 3168
Delta R.T. -0.007 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

Tgt Ion:228 Resp: 284865
Ion Ratio Lower Upper
228 100
226 31.0 25.0 37.4
229 21.2 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.222 min Scan# 31

Delta R.T. -0.013 min

Lab File: BG056613.D

Acq: 10 Feb 2023 20:04

Instrument :

BNA_G

ClientSampleId :

TWM-TP14-020823

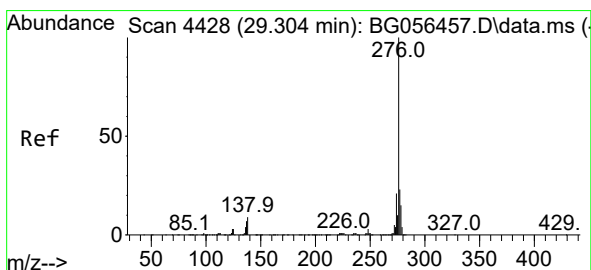
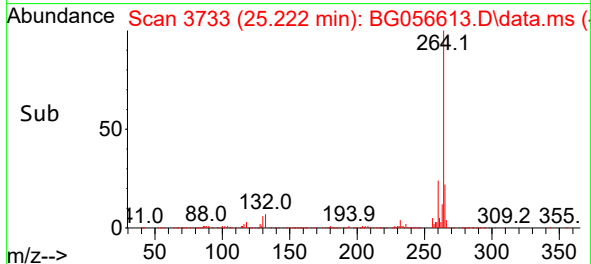
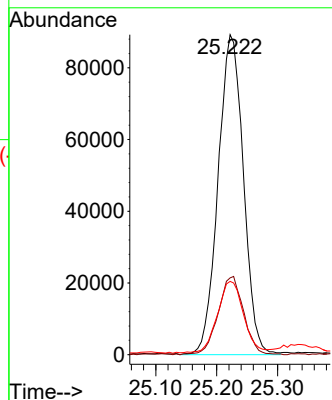
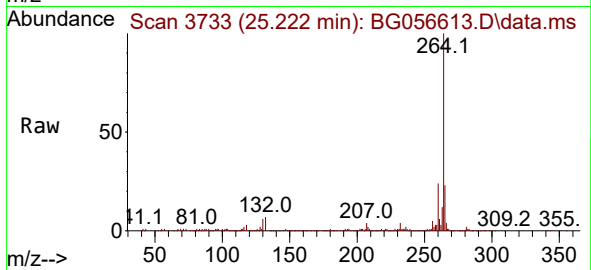
Tgt Ion:264 Resp: 257693

Ion Ratio Lower Upper

264 100

260 24.0 18.2 27.4

265 22.9 18.1 27.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 11.252 ng

RT: 29.100 min Scan# 4393

Delta R.T. -0.030 min

Lab File: BG056613.D

Acq: 10 Feb 2023 20:04

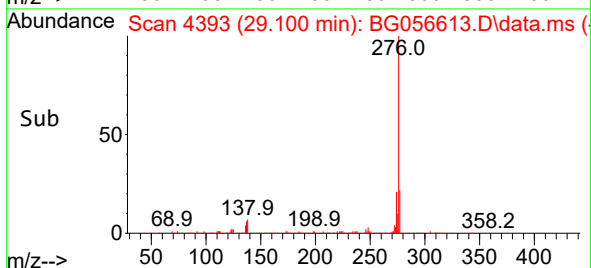
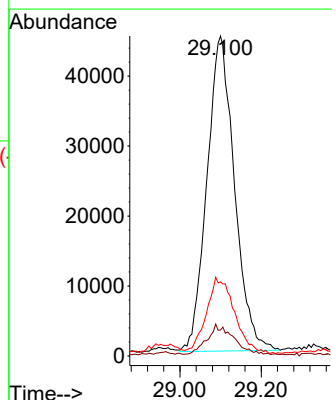
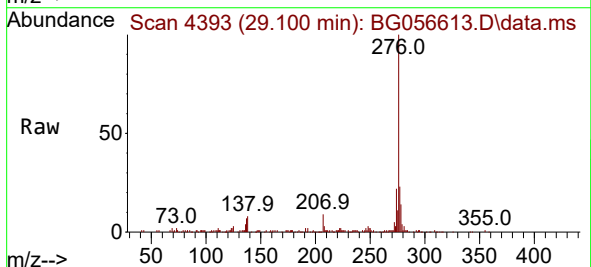
Tgt Ion:276 Resp: 212258

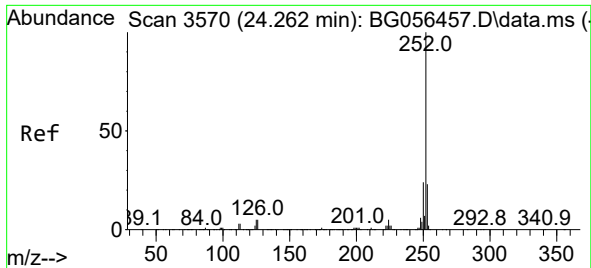
Ion Ratio Lower Upper

276 100

138 9.0 9.4 14.2#

277 24.4 20.3 30.5

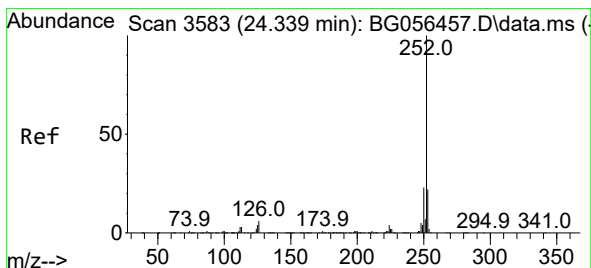
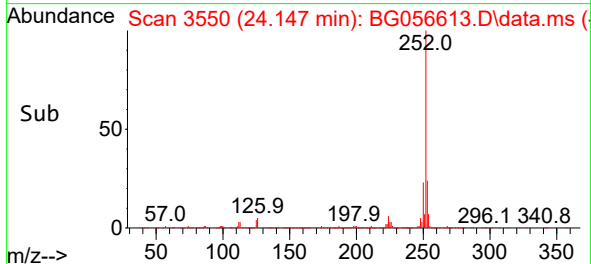
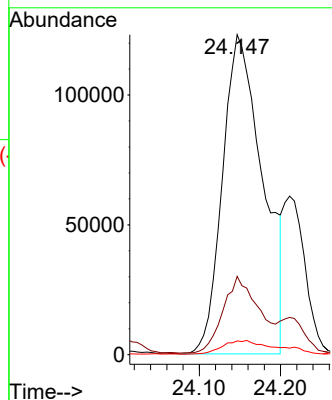
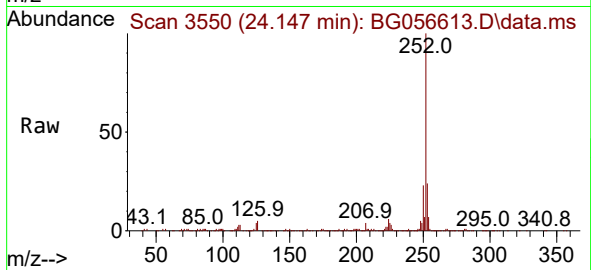




#88
Benzo(b)fluoranthene
Concen: 26.483 ng
RT: 24.147 min Scan# 3550
Delta R.T. -0.013 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

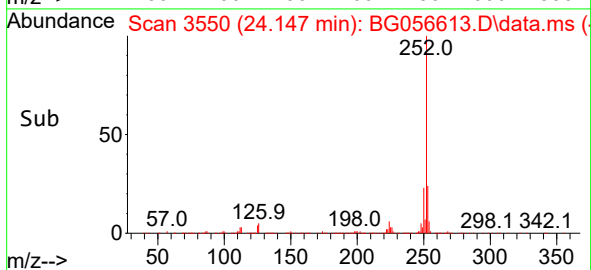
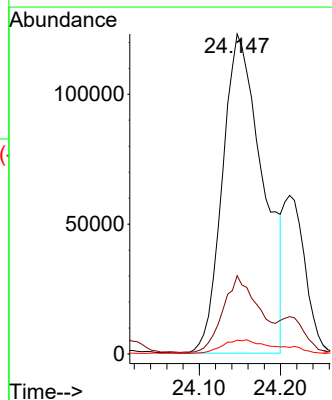
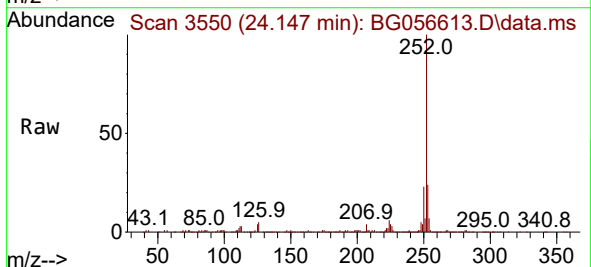
Instrument :
BNA_G
ClientSampleId :
TWM-TP14-020823

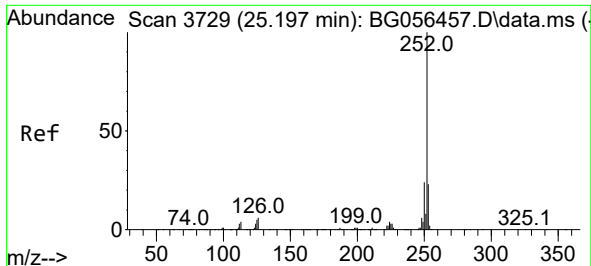
Tgt Ion:252 Resp: 423589
Ion Ratio Lower Upper
252 100
253 24.5 18.1 27.1
125 4.3 3.9 5.9



#89
Benzo(k)fluoranthene
Concen: 26.230 ng
RT: 24.147 min Scan# 3550
Delta R.T. -0.083 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

Tgt Ion:252 Resp: 423589
Ion Ratio Lower Upper
252 100
253 24.5 17.5 26.3
125 4.3 3.4 5.0

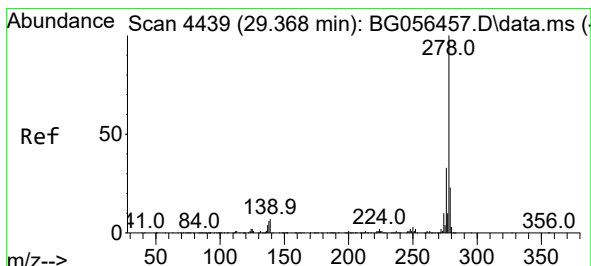
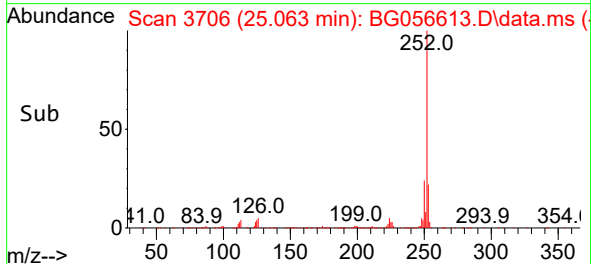
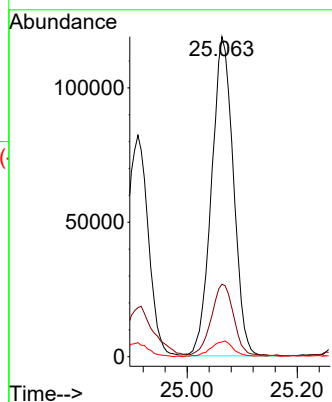
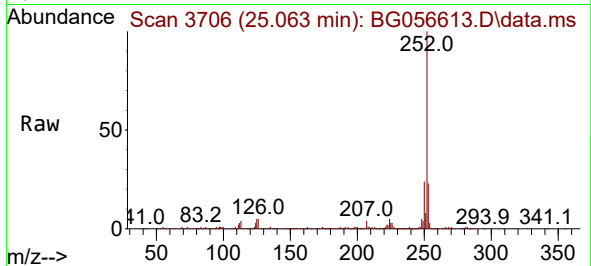




#90
Benzo(a)pyrene
Concen: 20.736 ng
RT: 25.063 min Scan# 31
Delta R.T. -0.018 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

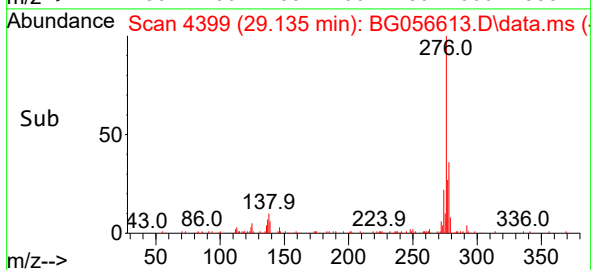
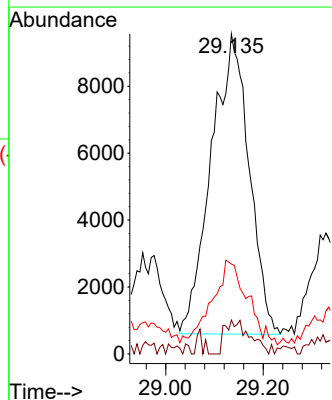
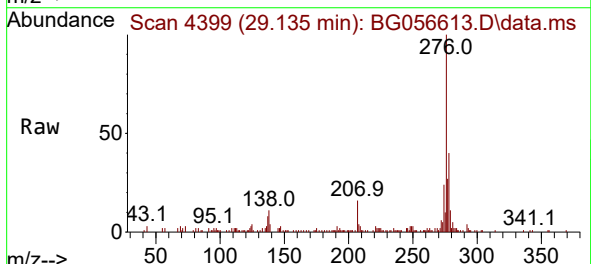
Instrument :
BNA_G
ClientSampleId :
TWM-TP14-020823

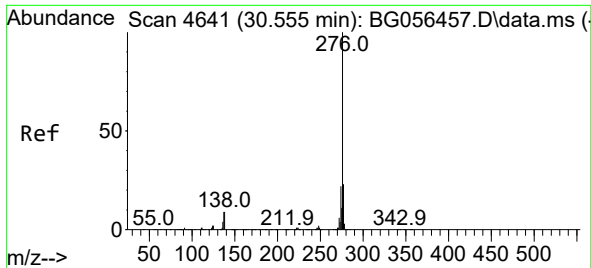
Tgt Ion:252 Resp: 326715
Ion Ratio Lower Upper
252 100
253 22.6 18.4 27.6
125 4.6 4.1 6.1



#91
Dibenzo(a,h)anthracene
Concen: 3.057 ng
RT: 29.135 min Scan# 4399
Delta R.T. -0.048 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

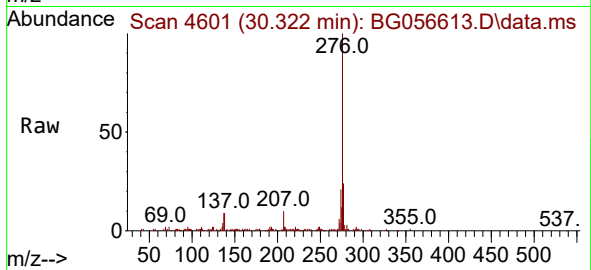
Tgt Ion:278 Resp: 48407
Ion Ratio Lower Upper
278 100
139 10.6 5.5 8.3#
279 28.1 18.8 28.2





#92
 Benzo(g,h,i)perylene
 Concen: 14.457 ng
 RT: 30.322 min Scan# 4
 Delta R.T. -0.030 min
 Lab File: BG056613.D
 Acq: 10 Feb 2023 20:04

Instrument :
 BNA_G
 ClientSampleId :
 TWM-TP14-020823



Tgt Ion:276 Resp: 220880

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.5	27.7
138	9.1	7.4	11.0

