

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062723\
 Data File : BG057875.D
 Acq On : 27 Jun 2023 20:39
 Operator : CG/JU
 Sample : 03339-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-06

Quant Time: Jun 28 02:39:44 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)

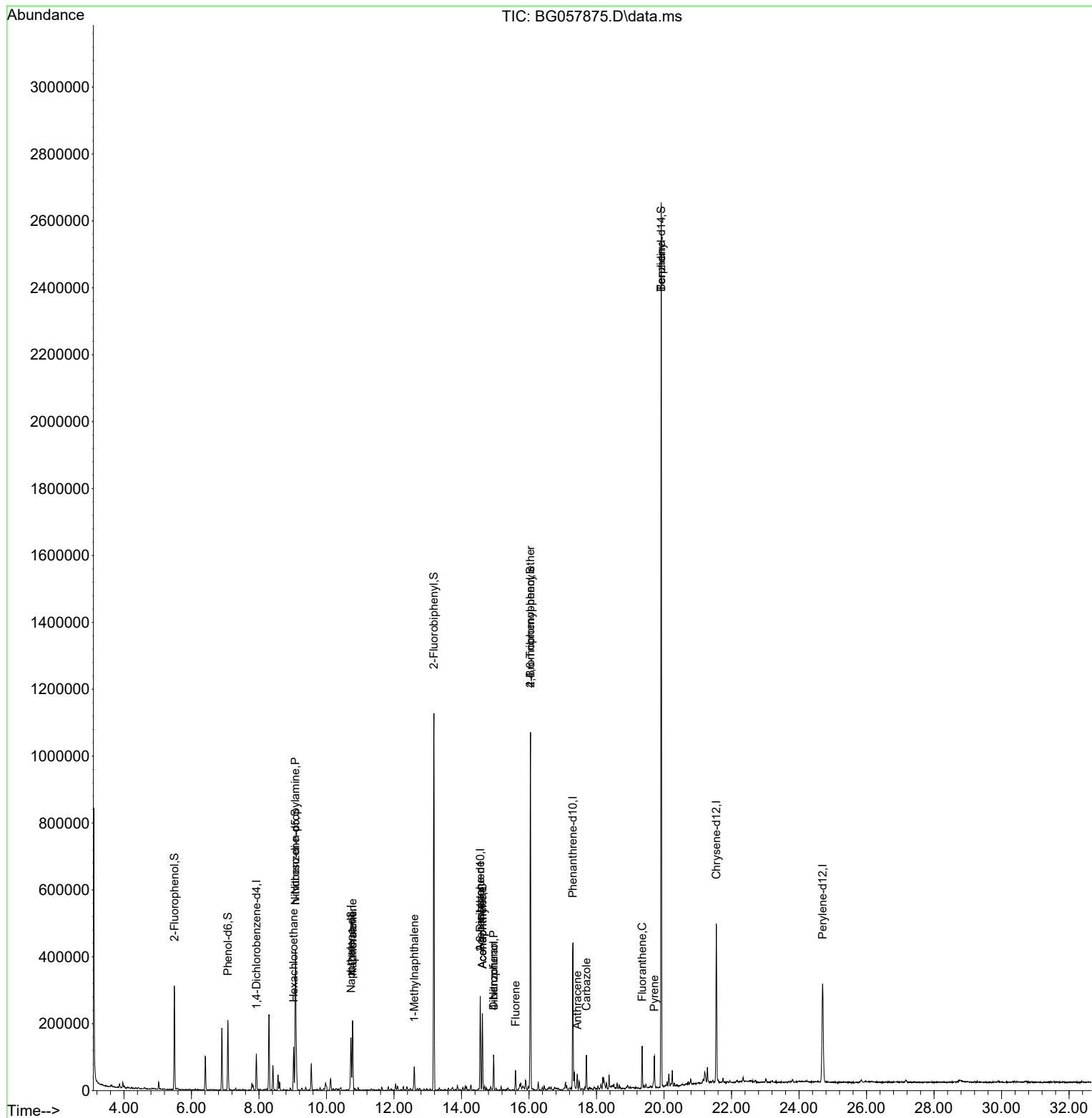
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.923	152	29133	20.000	ng	0.00
21) Naphthalene-d8	10.726	136	128727	20.000	ng	0.00
39) Acenaphthene-d10	14.557	164	96828	20.000	ng	0.00
64) Phenanthrene-d10	17.301	188	277523	20.000	ng	0.00
76) Chrysene-d12	21.549	240	271171	20.000	ng	0.00
86) Perylene-d12	24.698	264	322613	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.491	112	129768	68.151	ng	0.00
7) Phenol-d6	7.077	99	124413	43.694	ng	0.00
23) Nitrobenzene-d5	9.081	82	257415	98.001	ng	0.00
42) 2,4,6-Tribromophenol	16.043	330	220164	135.375	ng	0.00
45) 2-Fluorobiphenyl	13.182	172	603387	95.096	ng	0.00
79) Terphenyl-d14	19.915	244	1357952	91.295	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.060	77	351	Below Cal	#	29
18) Hexachloroethane	9.028	117	11026	16.023	ng	# 1
19) n-Nitroso-di-n-propyla...	9.081	70	31677	16.626	ng	# 76
31) Naphthalene	10.773	128	163606	23.810	ng	# 99
33) 4-Chloroaniline	10.773	127	21365	6.608	ng	# 33
38) 1-Methylnaphthalene	12.600	142	28358	5.925	ng	# 100
49) Acenaphthylene	14.622	152	45216	5.090	ng	# 1
51) 2,6-Dinitrotoluene	14.557	165	13080	8.209	ng	# 26
52) Acenaphthene	14.622	154	80644	15.541	ng	# 98
55) Dibenzofuran	14.951	168	69117	7.766	ng	# 98
56) 4-Nitrophenol	14.951	139	23463	15.798	ng	# 4
58) Fluorene	15.603	166	25537	3.555	ng	# 99
67) 4-Bromophenyl-phenylether	16.043	248	13907	4.747	ng	# 1
72) Anthracene	17.430	178	27932	2.033	ng	# 98
73) Carbazole	17.700	167	60780	4.652	ng	# 99
75) Fluoranthene	19.351	202	76524	4.560	ng	# 100
77) Benzidine	19.915	184	18569	2.919	ng	# 96
78) Pyrene	19.716	202	59536	3.075	ng	# 98

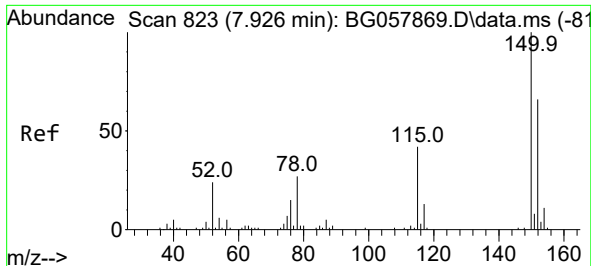
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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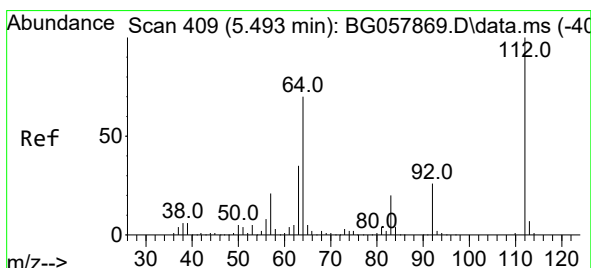
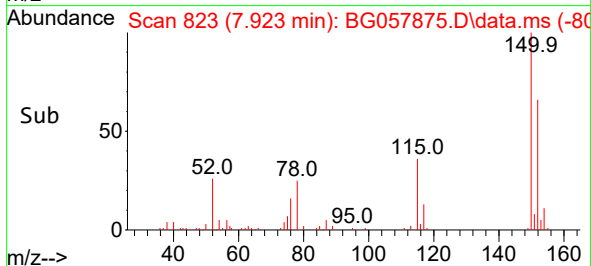
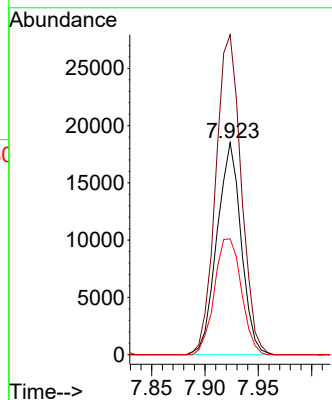
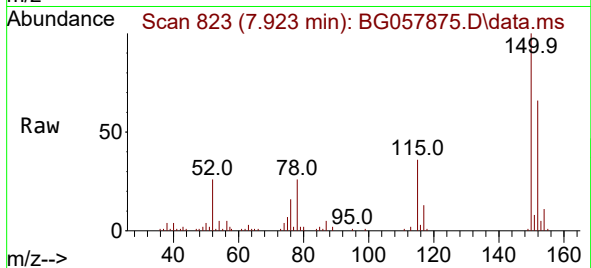




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.923 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG057875.D
Acq: 27 Jun 2023 20:39

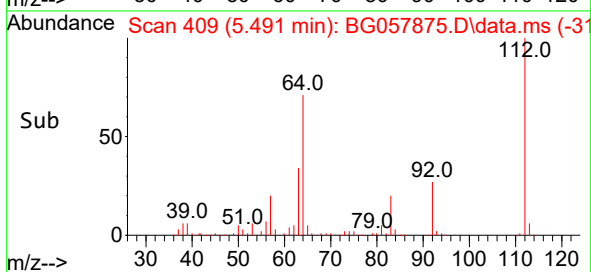
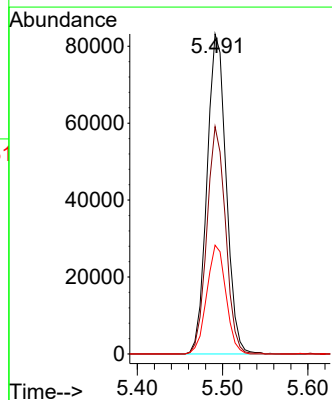
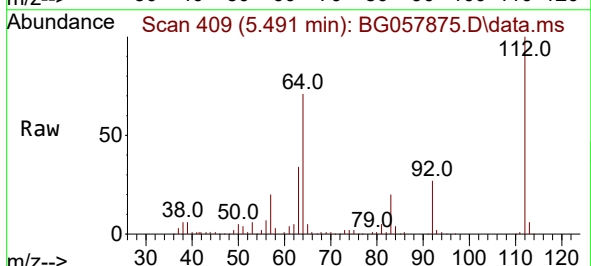
Instrument :
BNA_G
ClientSampleId :
MW-06

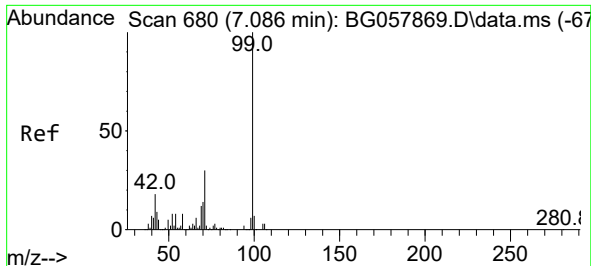
Tgt Ion:152 Resp: 29133
Ion Ratio Lower Upper
152 100
150 151.0 122.0 183.0
115 54.7 50.7 76.1



#5
2-Fluorophenol
Concen: 68.151 ng
RT: 5.491 min Scan# 409
Delta R.T. -0.002 min
Lab File: BG057875.D
Acq: 27 Jun 2023 20:39

Tgt Ion:112 Resp: 129768
Ion Ratio Lower Upper
112 100
64 71.1 55.8 83.6
63 34.0 27.9 41.9

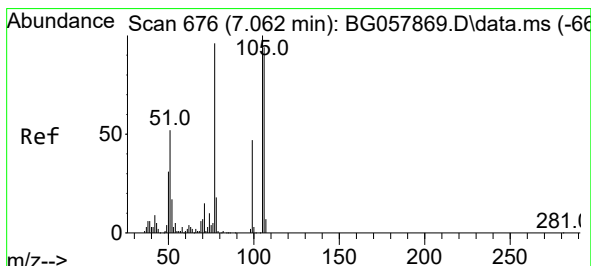
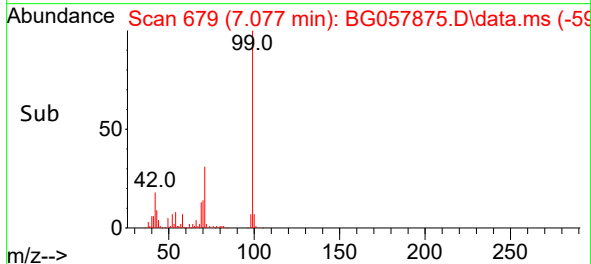
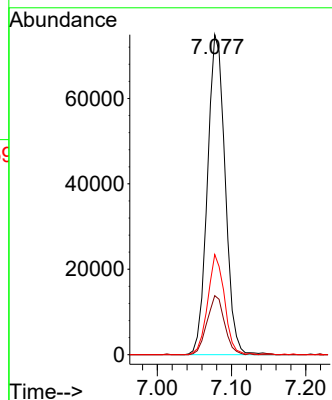
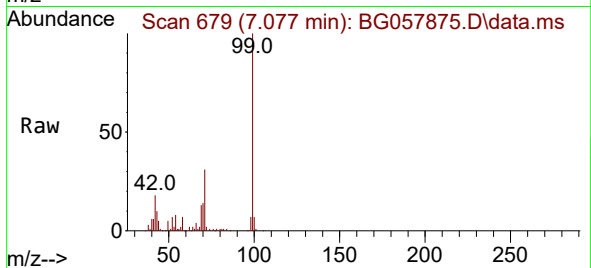




#7
Phenol-d6
Concen: 43.694 ng
RT: 7.077 min Scan# 61
Delta R.T. -0.008 min
Lab File: BG057875.D
Acq: 27 Jun 2023 20:39

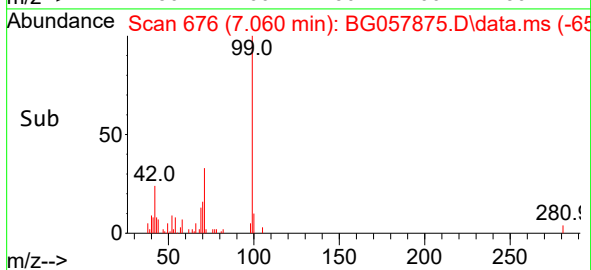
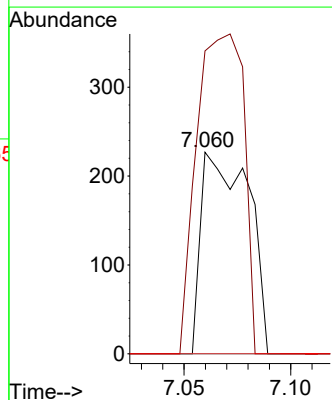
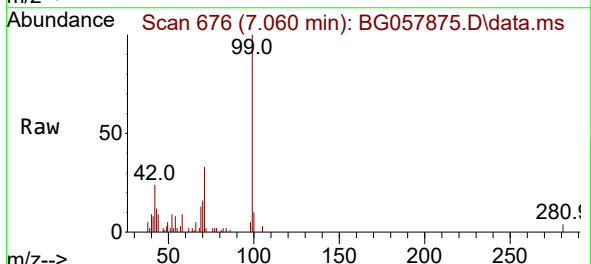
Instrument :
BNA_G
ClientSampleId :
MW-06

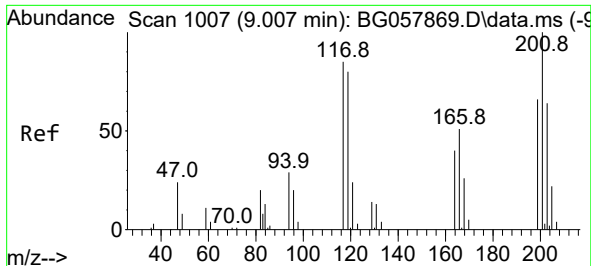
Tgt Ion: 99 Resp: 124413
Ion Ratio Lower Upper
99 100
42 18.5 14.2 21.4
71 31.3 23.9 35.9



#9
Benzaldehyde
Concen: Below Cal
RT: 7.060 min Scan# 676
Delta R.T. -0.002 min
Lab File: BG057875.D
Acq: 27 Jun 2023 20:39

Tgt Ion: 77 Resp: 351
Ion Ratio Lower Upper
77 100
105 150.2 83.7 123.7#
106 0.0 77.4 117.4#

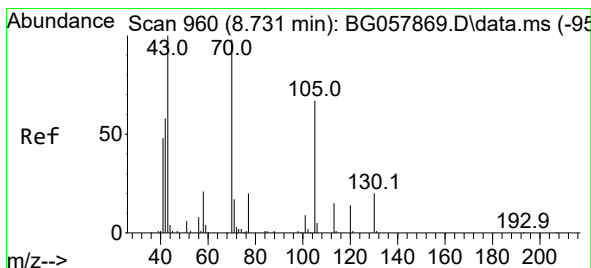
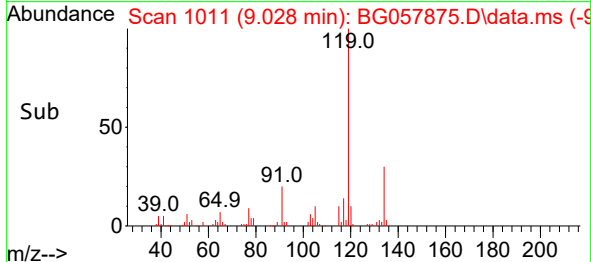
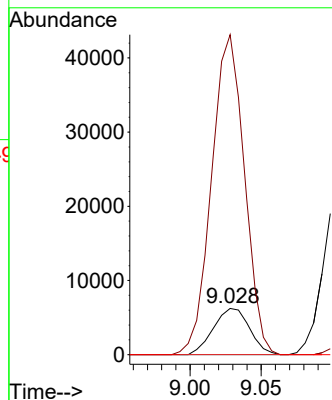
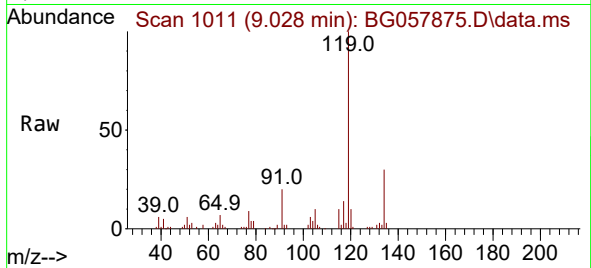




#18
Hexachloroethane
Concen: 16.023 ng
RT: 9.028 min Scan# 1011
Delta R.T. 0.021 min
Lab File: BG057875.D
Acq: 27 Jun 2023 20:39

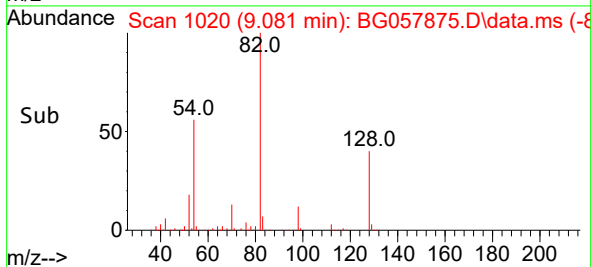
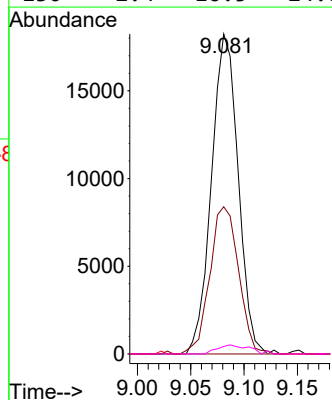
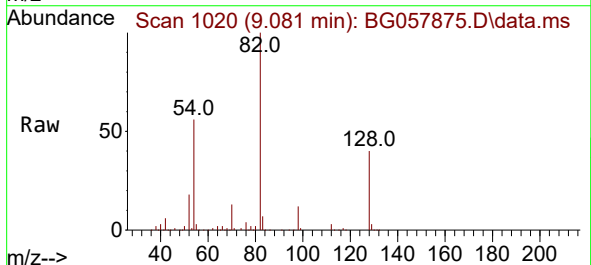
Instrument :
BNA_G
ClientSampleId :
MW-06

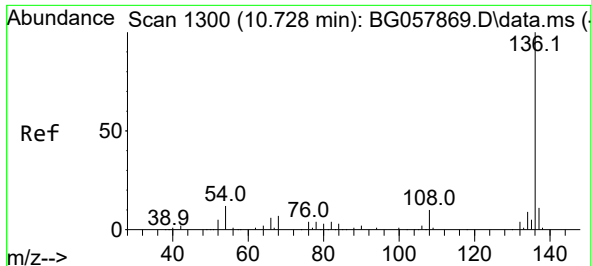
Tgt Ion:117 Resp: 11026
Ion Ratio Lower Upper
117 100
119 691.4 74.7 112.1#
201 0.0 93.9 140.9#



#19
n-Nitroso-di-n-propylamine
Concen: 16.626 ng
RT: 9.081 min Scan# 1020
Delta R.T. 0.350 min
Lab File: BG057875.D
Acq: 27 Jun 2023 20:39

Tgt Ion: 70 Resp: 31677
Ion Ratio Lower Upper
70 100
42 46.0 48.4 72.6#
101 0.0 7.2 10.8#
130 2.4 16.5 24.7#

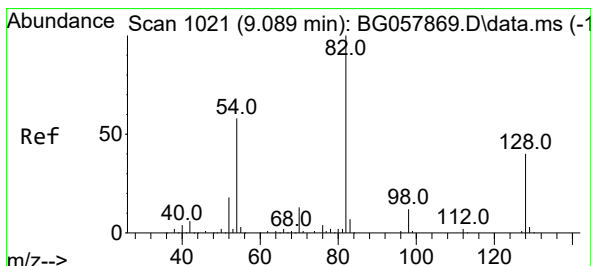
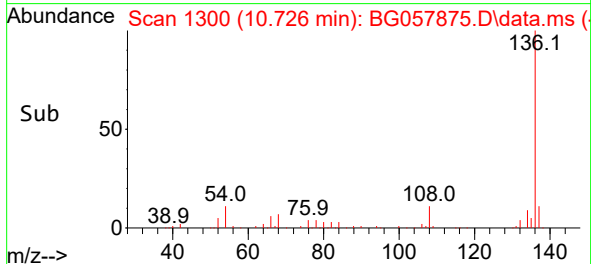
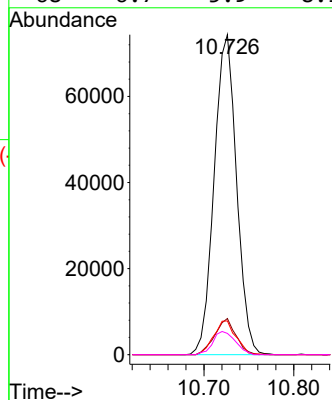
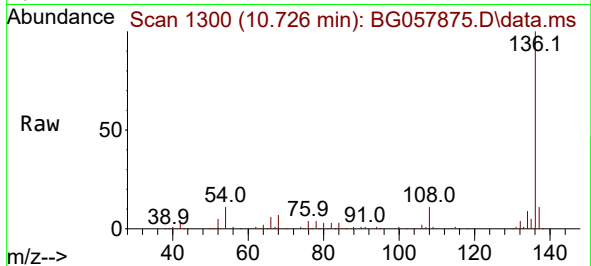




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.726 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG057875.D
Acq: 27 Jun 2023 20:39

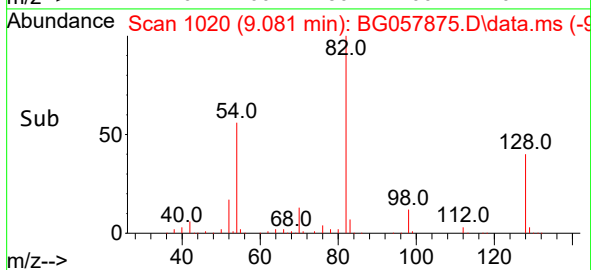
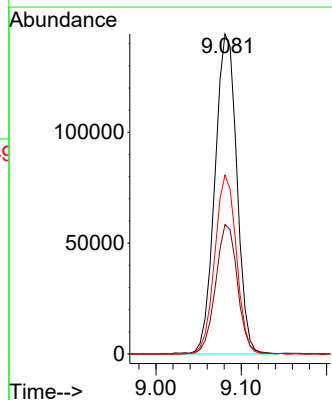
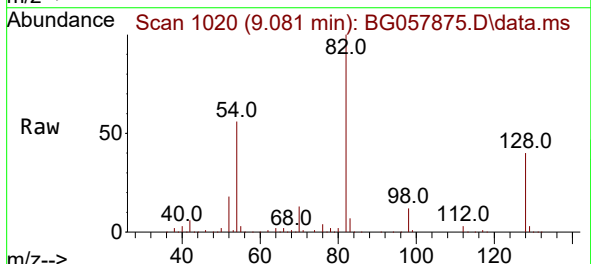
Instrument :
BNA_G
ClientSampleId :
MW-06

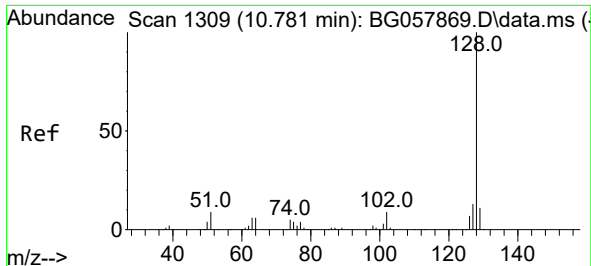
Tgt Ion:	136	Resp:	128727
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	12.8
54	10.5	9.3	13.9
68	6.7	5.9	8.9



#23
Nitrobenzene-d5
Concen: 98.001 ng
RT: 9.081 min Scan# 1020
Delta R.T. -0.008 min
Lab File: BG057875.D
Acq: 27 Jun 2023 20:39

Tgt Ion:	82	Resp:	257415
Ion	Ratio	Lower	Upper
82	100		
128	40.4	32.2	48.4
54	55.9	46.1	69.1

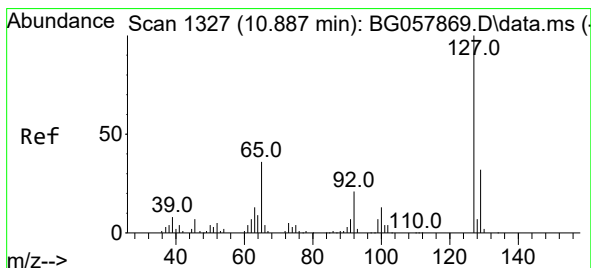
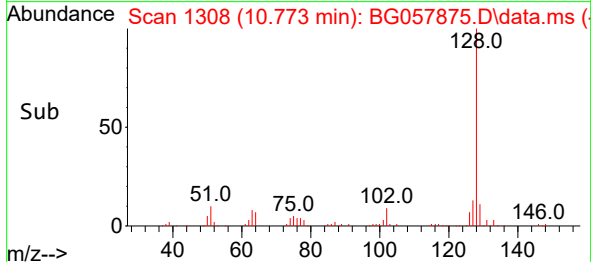
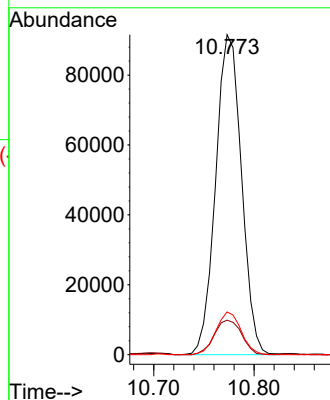
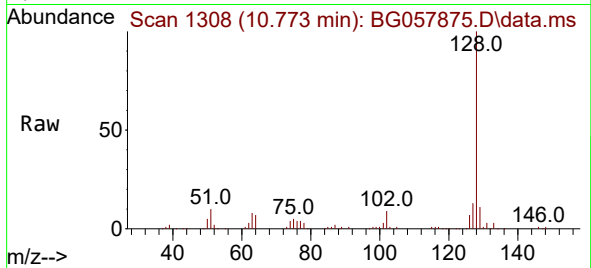




#31
Naphthalene
Concen: 23.810 ng
RT: 10.773 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG057875.D
Acq: 27 Jun 2023 20:39

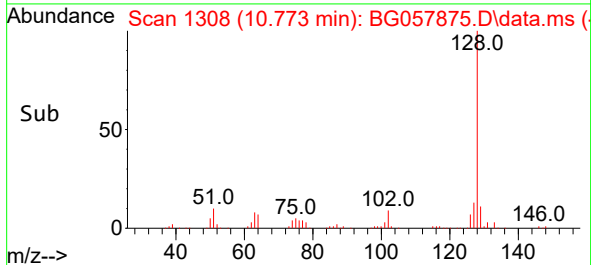
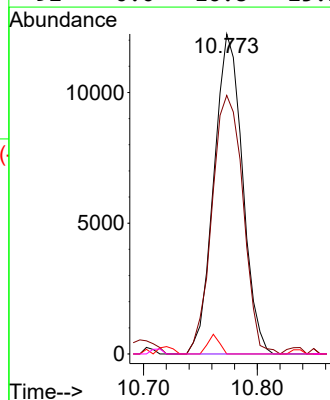
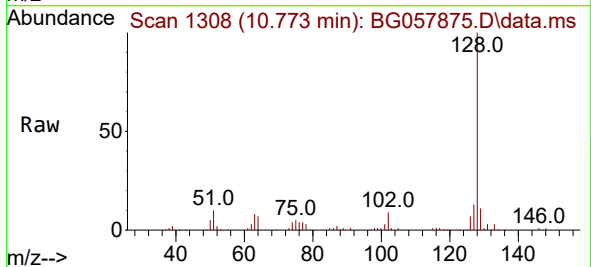
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ClientSampleId :
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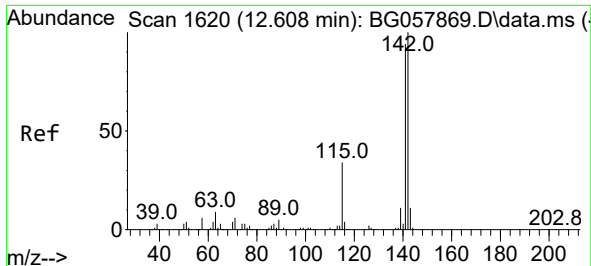
Tgt Ion:128 Resp: 163606
Ion Ratio Lower Upper
128 100
129 10.8 8.5 12.7
127 13.4 10.3 15.5



#33
4-Chloroaniline
Concen: 6.608 ng
RT: 10.773 min Scan# 1308
Delta R.T. -0.114 min
Lab File: BG057875.D
Acq: 27 Jun 2023 20:39

Tgt Ion:127 Resp: 21365
Ion Ratio Lower Upper
127 100
129 80.8 25.8 38.6#
65 0.0 28.7 43.1#
92 0.0 16.8 25.2#

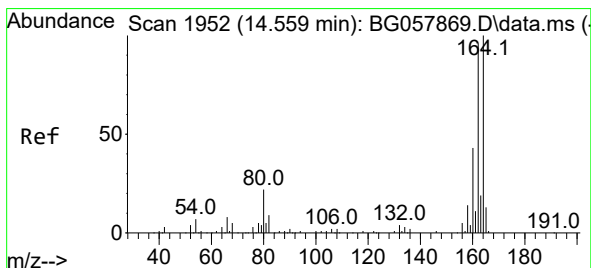
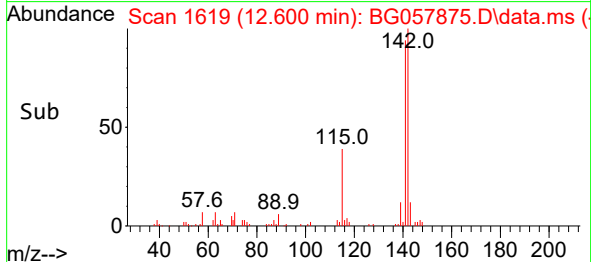
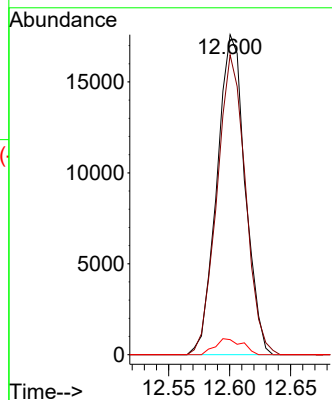
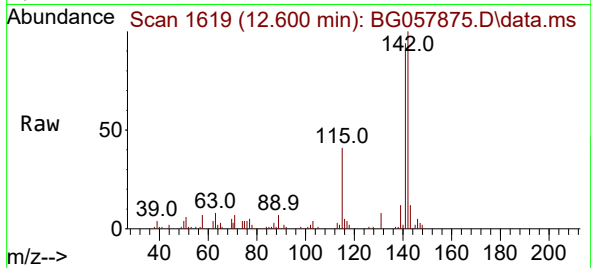




#38
1-Methylnaphthalene
Concen: 5.925 ng
RT: 12.600 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG057875.D
Acq: 27 Jun 2023 20:39

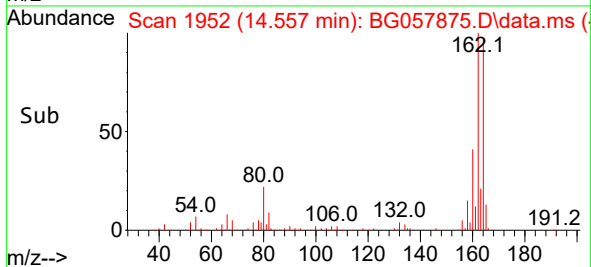
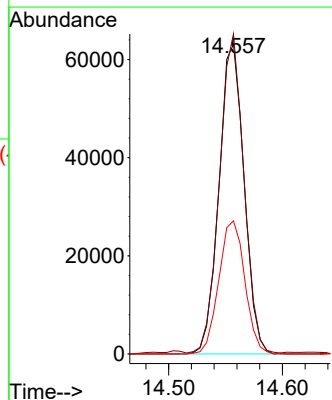
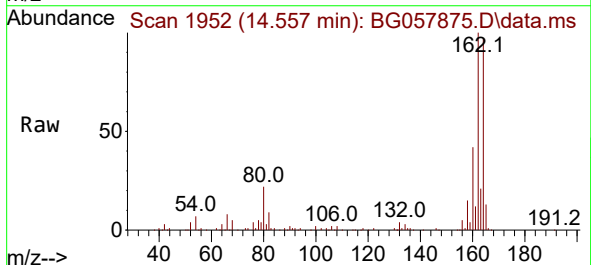
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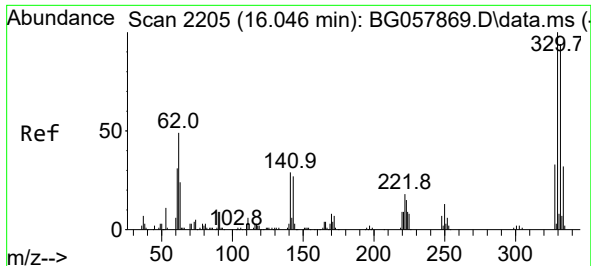
Tgt Ion:142 Resp: 28358
Ion Ratio Lower Upper
142 100
141 93.7 74.8 112.2
116 4.7 3.0 4.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.557 min Scan# 1952
Delta R.T. -0.002 min
Lab File: BG057875.D
Acq: 27 Jun 2023 20:39

Tgt Ion:164 Resp: 96828
Ion Ratio Lower Upper
164 100
162 103.3 76.4 114.6
160 42.9 34.2 51.2

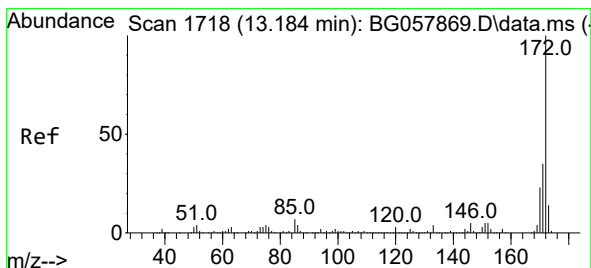
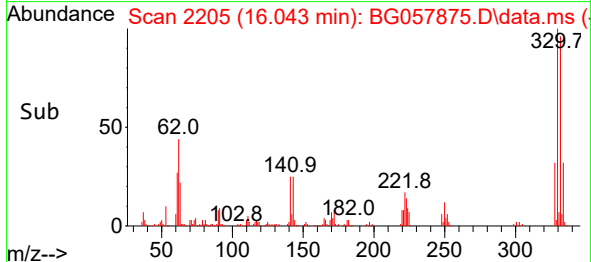
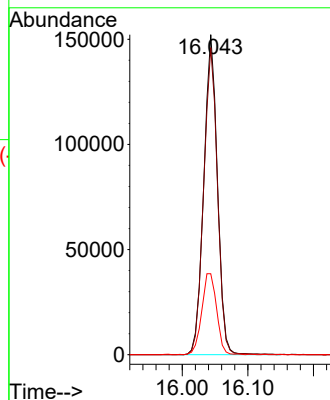
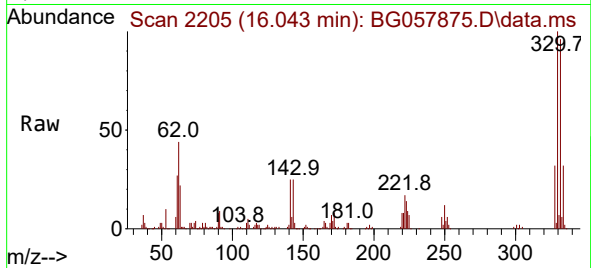




#42
2,4,6-Tribromophenol
Concen: 135.375 ng
RT: 16.043 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG057875.D
Acq: 27 Jun 2023 20:39

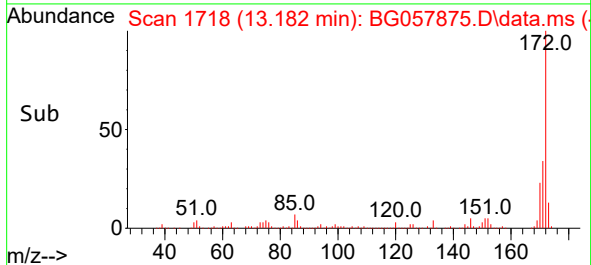
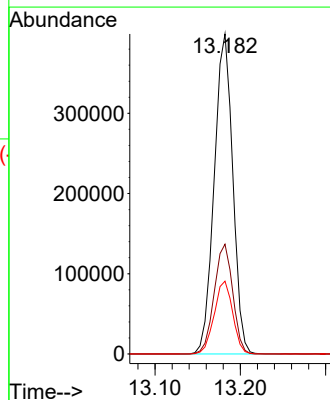
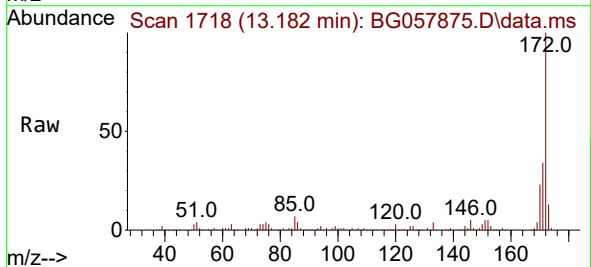
Instrument :
BNA_G
ClientSampleId :
MW-06

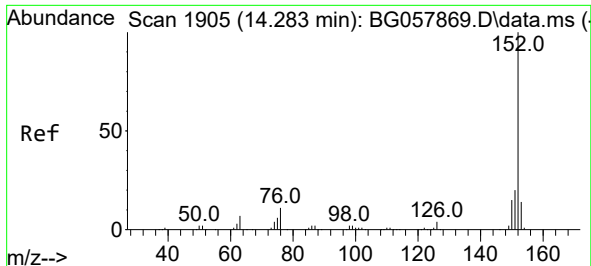
Tgt Ion:330 Resp: 220164
Ion Ratio Lower Upper
330 100
332 96.7 77.1 115.7
141 27.6 22.2 33.4



#45
2-Fluorobiphenyl
Concen: 95.096 ng
RT: 13.182 min Scan# 1718
Delta R.T. -0.002 min
Lab File: BG057875.D
Acq: 27 Jun 2023 20:39

Tgt Ion:172 Resp: 603387
Ion Ratio Lower Upper
172 100
171 34.3 27.8 41.8
170 22.7 18.6 27.8





#49

Acenaphthylene

Concen: 5.090 ng

RT: 14.622 min Scan# 1905

Delta R.T. 0.339 min

Lab File: BG057875.D

Acq: 27 Jun 2023 20:39

Instrument :

BNA_G

ClientSampleId :

MW-06

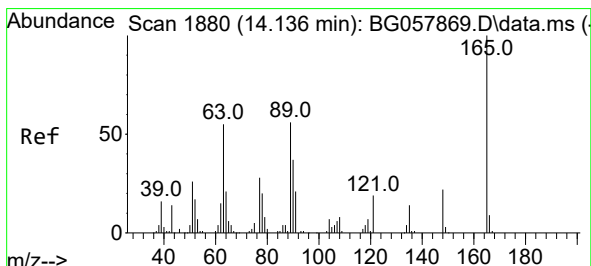
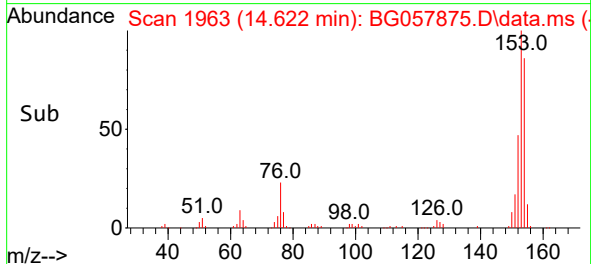
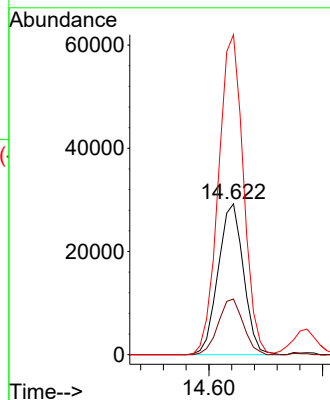
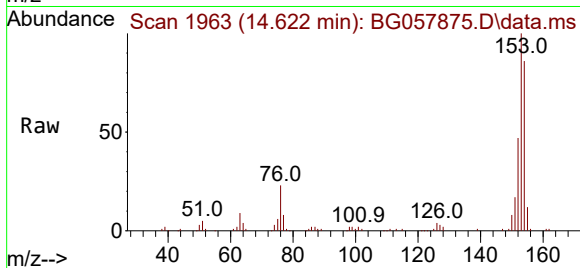
Tgt Ion:152 Resp: 45216

Ion Ratio Lower Upper

152 100

151 36.9 16.2 24.2#

153 212.0 10.8 16.2#



#51

2,6-Dinitrotoluene

Concen: 8.209 ng

RT: 14.557 min Scan# 1952

Delta R.T. 0.421 min

Lab File: BG057875.D

Acq: 27 Jun 2023 20:39

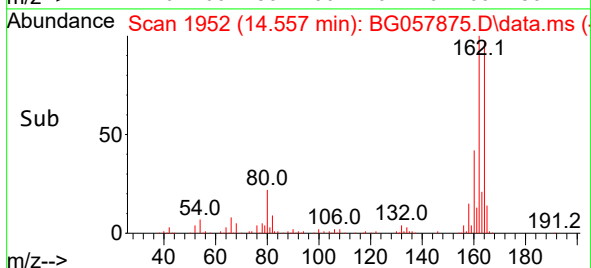
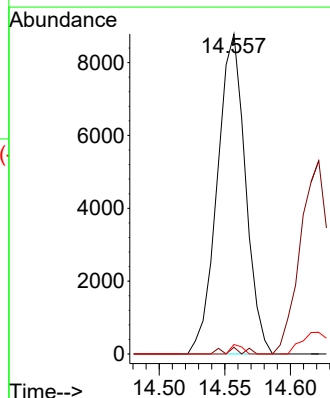
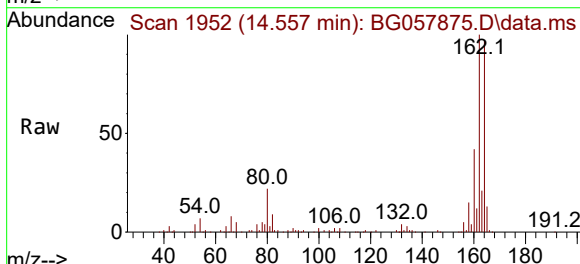
Tgt Ion:165 Resp: 13080

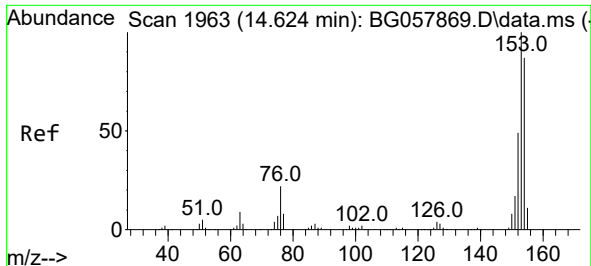
Ion Ratio Lower Upper

165 100

63 2.1 46.4 69.6#

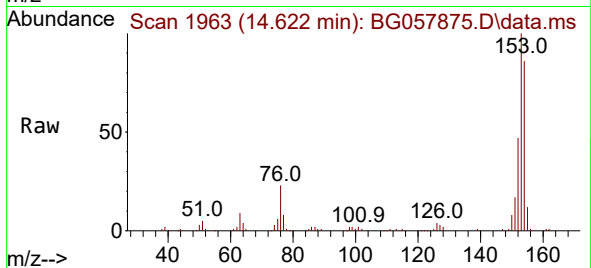
89 3.0 45.0 67.6#



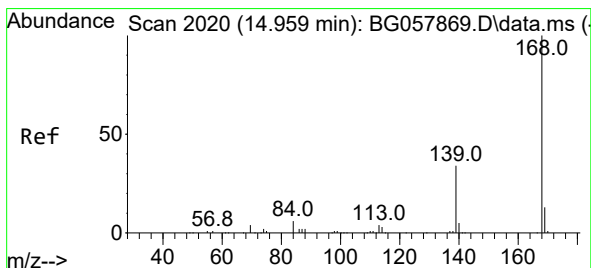
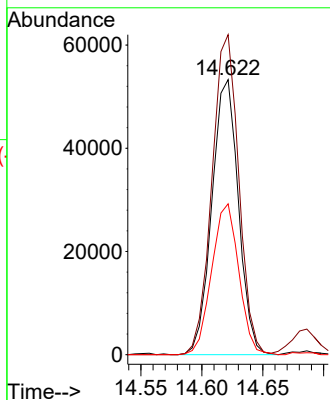
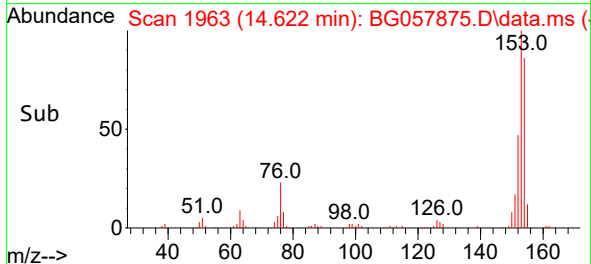


#52
Acenaphthene
Concen: 15.541 ng
RT: 14.622 min Scan# 1963
Delta R.T. -0.002 min
Lab File: BG057875.D
Acq: 27 Jun 2023 20:39

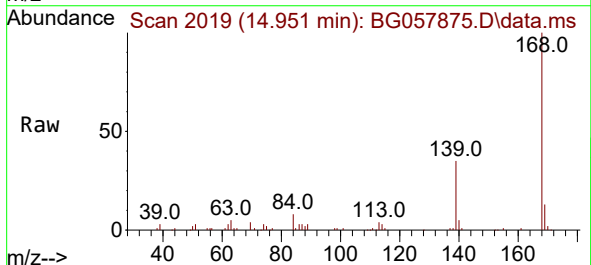
Instrument :
BNA_G
ClientSampleId :
MW-06



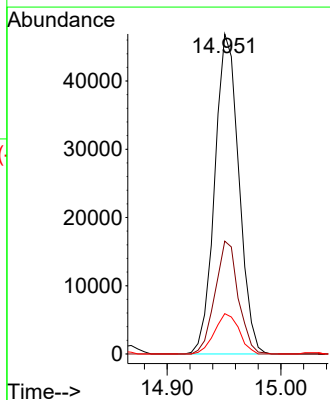
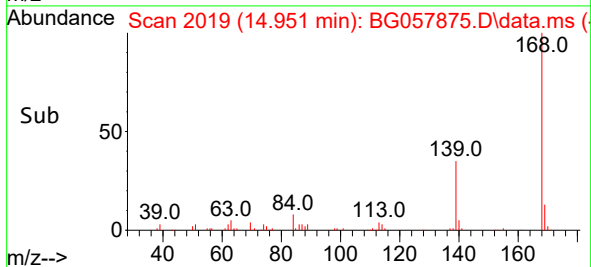
Tgt Ion:154 Resp: 80644
Ion Ratio Lower Upper
154 100
153 116.3 91.5 137.3
152 54.9 44.6 67.0

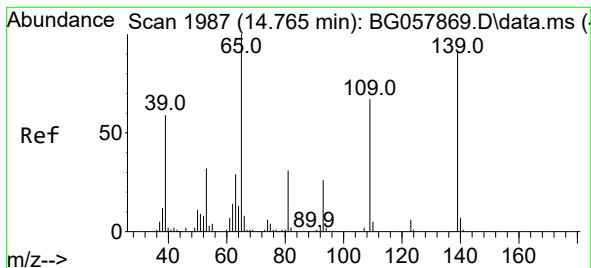


#55
Dibenzofuran
Concen: 7.766 ng
RT: 14.951 min Scan# 2019
Delta R.T. -0.008 min
Lab File: BG057875.D
Acq: 27 Jun 2023 20:39



Tgt Ion:168 Resp: 69117
Ion Ratio Lower Upper
168 100
139 35.2 27.3 40.9
169 12.6 10.3 15.5

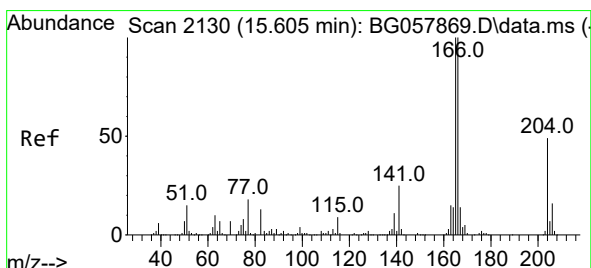
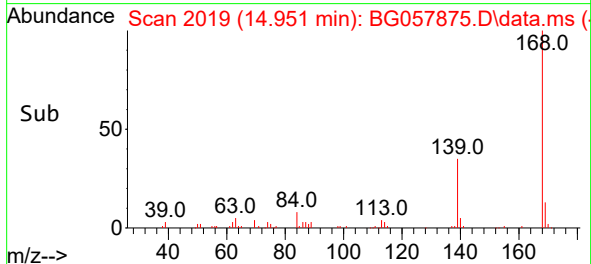
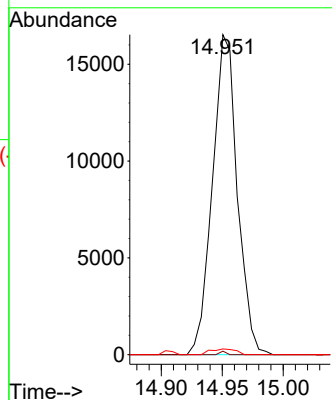
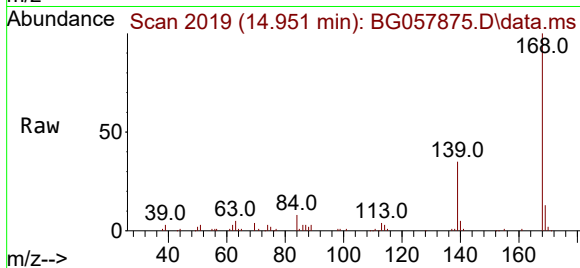




#56
4-Nitrophenol
Concen: 15.798 ng
RT: 14.951 min Scan# 2019
Delta R.T. 0.186 min
Lab File: BG057875.D
Acq: 27 Jun 2023 20:39

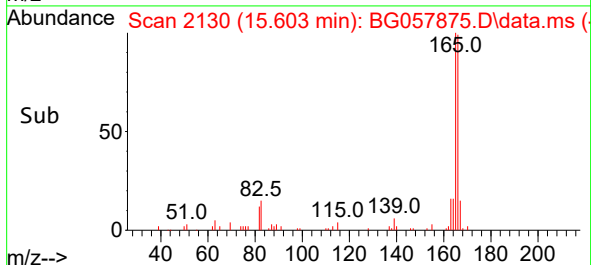
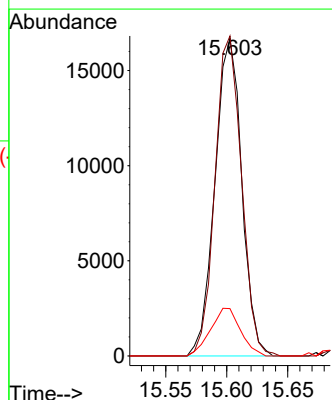
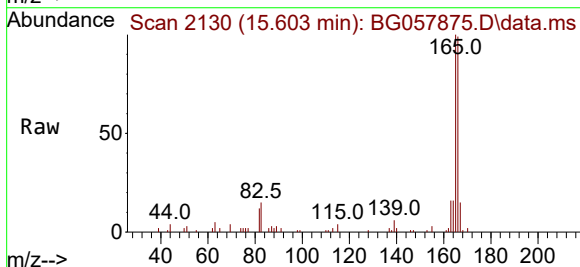
Instrument :
BNA_G
ClientSampleId :
MW-06

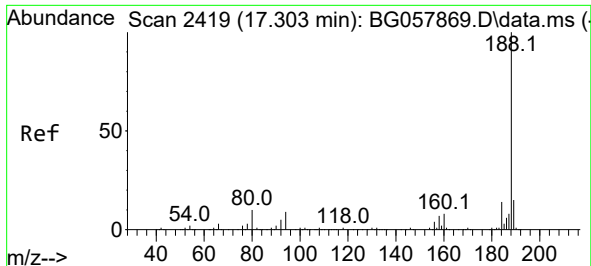
Tgt Ion:139 Resp: 23463
Ion Ratio Lower Upper
139 100
109 1.1 53.7 93.7#
65 1.8 89.9 129.9#



#58
Fluorene
Concen: 3.555 ng
RT: 15.603 min Scan# 2130
Delta R.T. -0.002 min
Lab File: BG057875.D
Acq: 27 Jun 2023 20:39

Tgt Ion:166 Resp: 25537
Ion Ratio Lower Upper
166 100
165 100.8 80.0 120.0
167 14.9 11.0 16.4

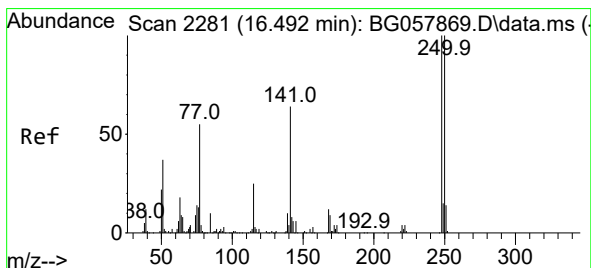
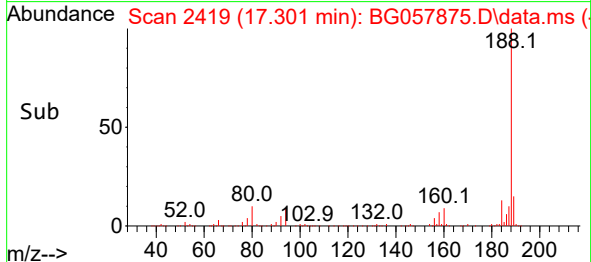
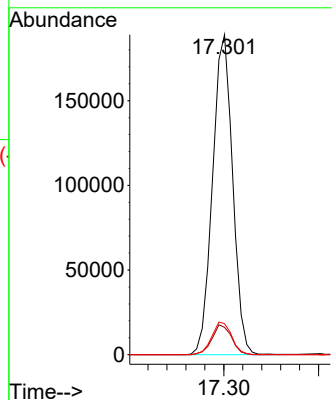
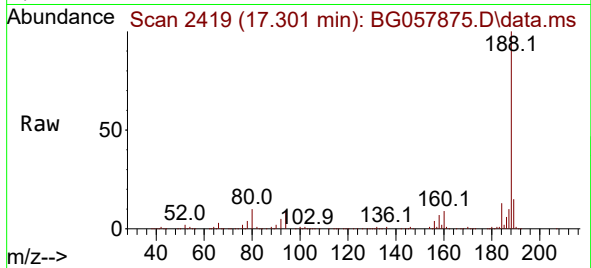




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.301 min Scan# 2419
Delta R.T. -0.002 min
Lab File: BG057875.D
Acq: 27 Jun 2023 20:39

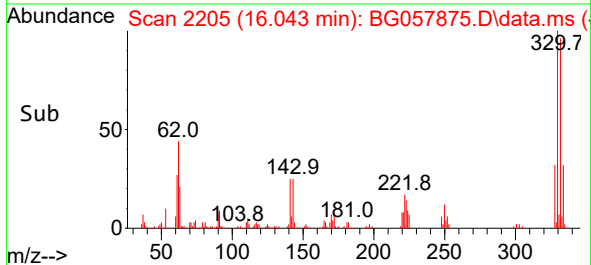
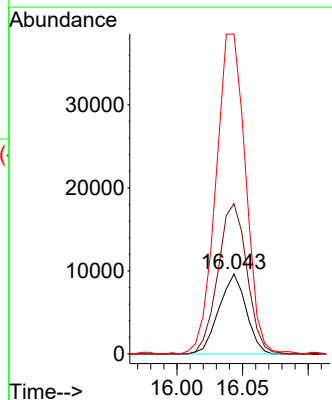
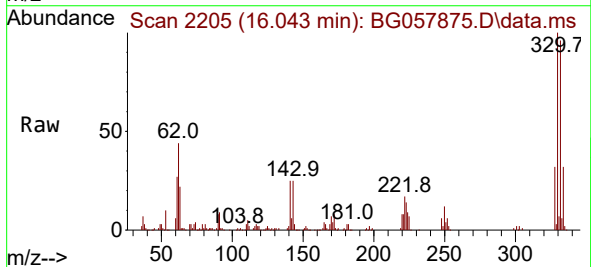
Instrument :
BNA_G
ClientSampleId :
MW-06

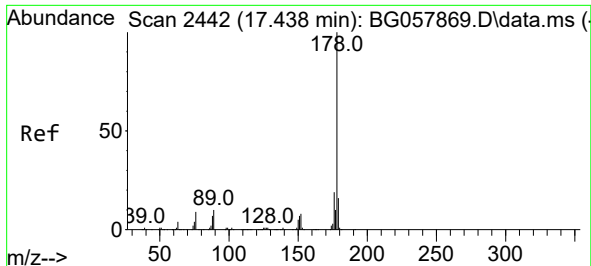
Tgt Ion:188 Resp: 277523
Ion Ratio Lower Upper
188 100
94 8.5 7.2 10.8
80 9.7 8.4 12.6



#67
4-Bromophenyl-phenylether
Concen: 4.747 ng
RT: 16.043 min Scan# 2205
Delta R.T. -0.449 min
Lab File: BG057875.D
Acq: 27 Jun 2023 20:39

Tgt Ion:248 Resp: 13907
Ion Ratio Lower Upper
248 100
250 188.2 79.7 119.5#
141 400.9 50.8 76.2#

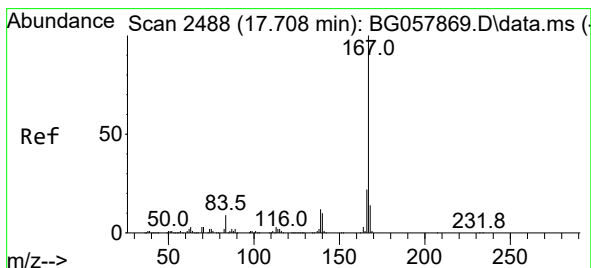
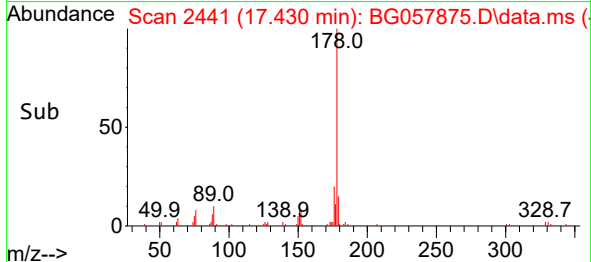
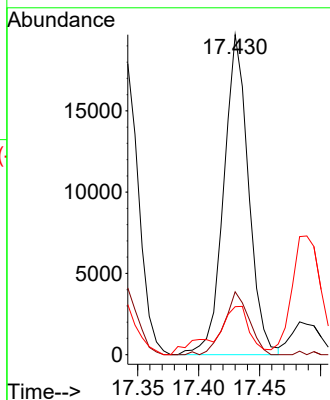
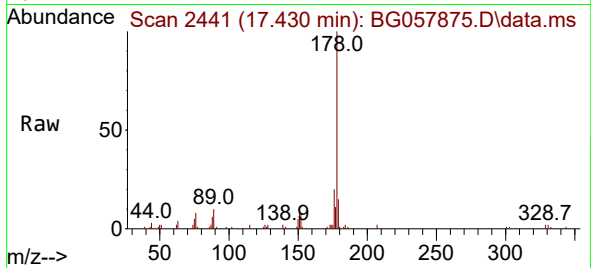




#72
 Anthracene
 Concen: 2.033 ng
 RT: 17.430 min Scan# 2442
 Delta R.T. -0.008 min
 Lab File: BG057875.D
 Acq: 27 Jun 2023 20:39

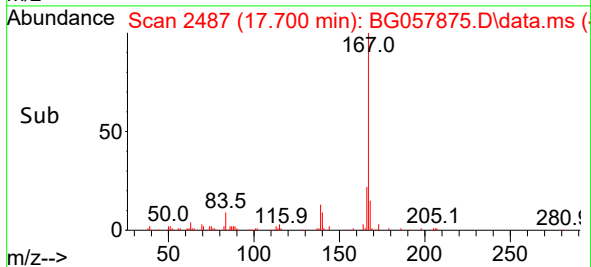
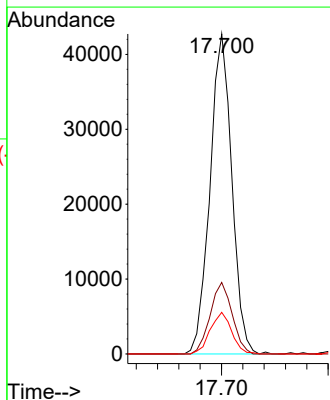
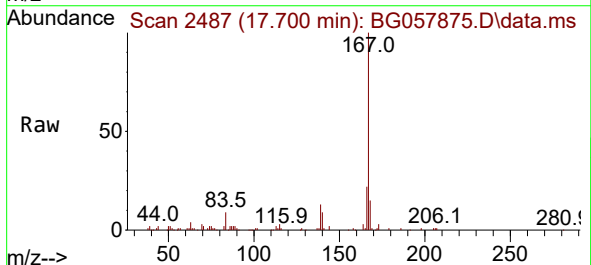
Instrument :
 BNA_G
 ClientSampleId :
 MW-06

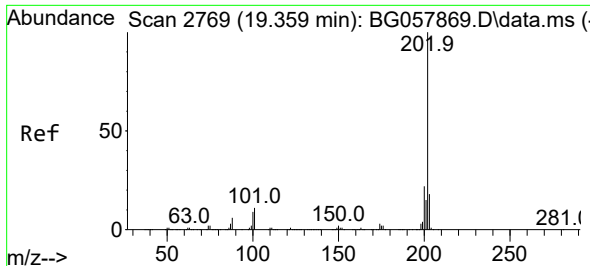
Tgt Ion:178 Resp: 27932
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.4 23.0
 179 15.0 12.9 19.3



#73
 Carbazole
 Concen: 4.652 ng
 RT: 17.700 min Scan# 2487
 Delta R.T. -0.008 min
 Lab File: BG057875.D
 Acq: 27 Jun 2023 20:39

Tgt Ion:167 Resp: 60780
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.8 26.8
 139 13.0 9.8 14.8

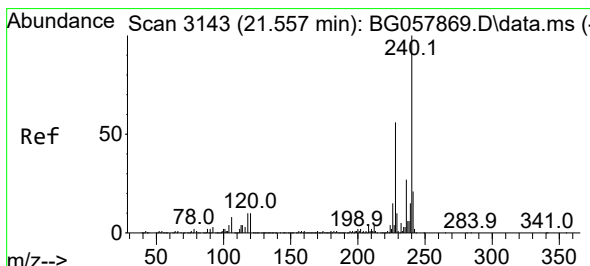
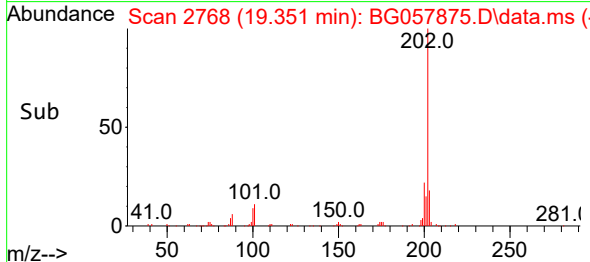
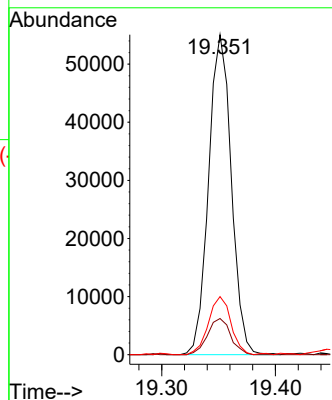
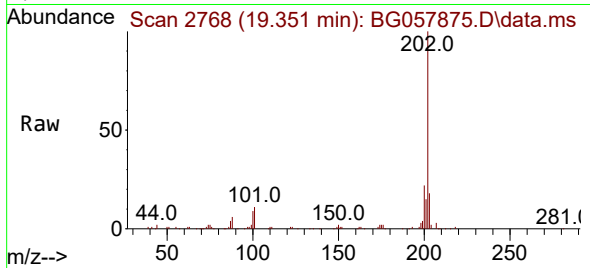




#75
Fluoranthene
Concen: 4.560 ng
RT: 19.351 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG057875.D
Acq: 27 Jun 2023 20:39

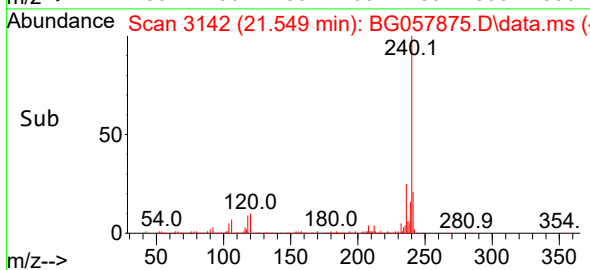
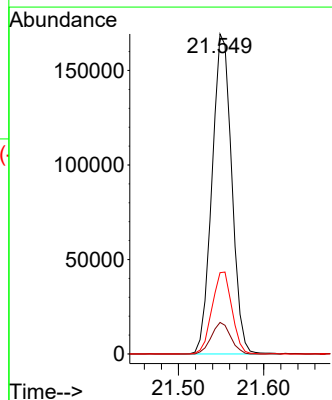
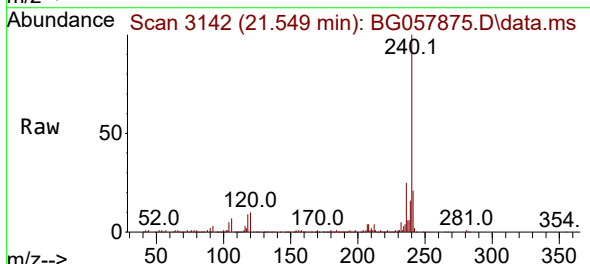
Instrument :
BNA_G
ClientSampleId :
MW-06

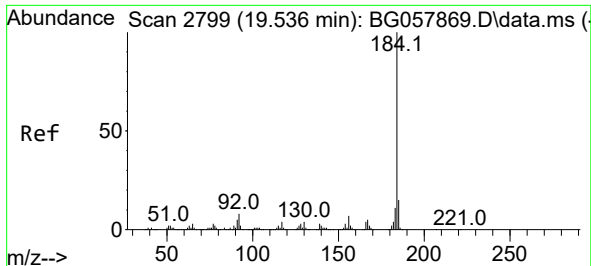
Tgt Ion:202 Resp: 76524
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.3
203 18.1 0.0 38.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.549 min Scan# 3142
Delta R.T. -0.008 min
Lab File: BG057875.D
Acq: 27 Jun 2023 20:39

Tgt Ion:240 Resp: 271171
Ion Ratio Lower Upper
240 100
120 9.9 8.1 12.1
236 25.4 21.9 32.9

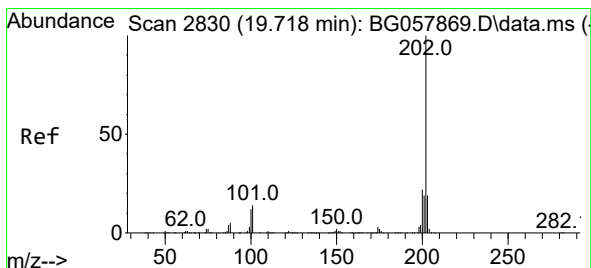
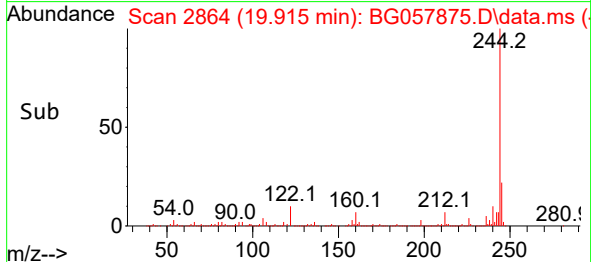
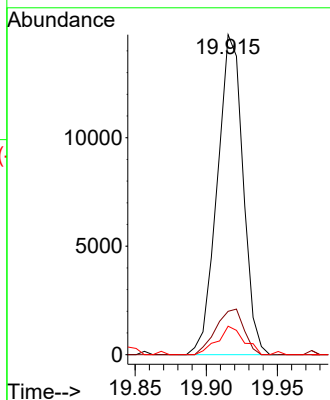
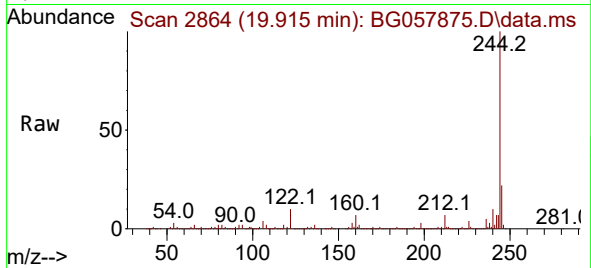




#77
Benzidine
Concen: 2.919 ng
RT: 19.915 min Scan# 2864
Delta R.T. 0.379 min
Lab File: BG057875.D
Acq: 27 Jun 2023 20:39

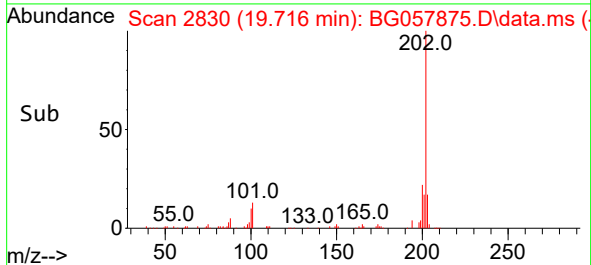
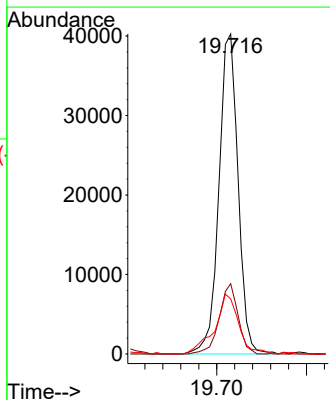
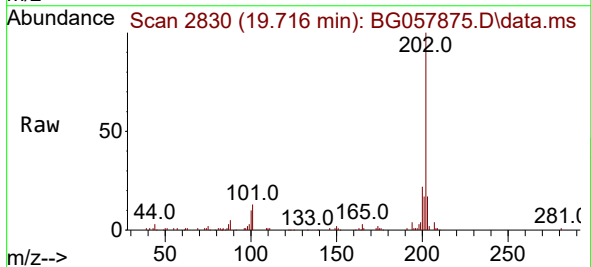
Instrument :
BNA_G
ClientSampleId :
MW-06

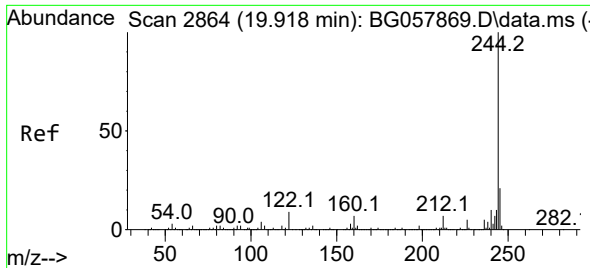
Tgt Ion:184 Resp: 18569
Ion Ratio Lower Upper
184 100
185 13.6 11.7 17.5
183 8.9 9.0 13.4#



#78
Pyrene
Concen: 3.075 ng
RT: 19.716 min Scan# 2830
Delta R.T. -0.002 min
Lab File: BG057875.D
Acq: 27 Jun 2023 20:39

Tgt Ion:202 Resp: 59536
Ion Ratio Lower Upper
202 100
200 22.0 17.7 26.5
203 17.2 15.2 22.8

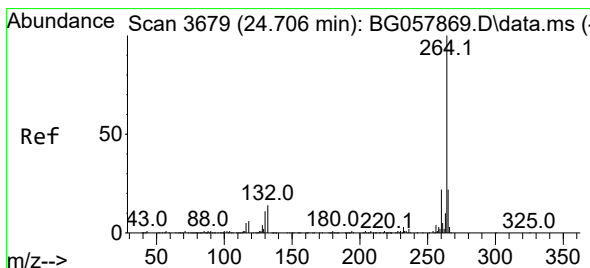
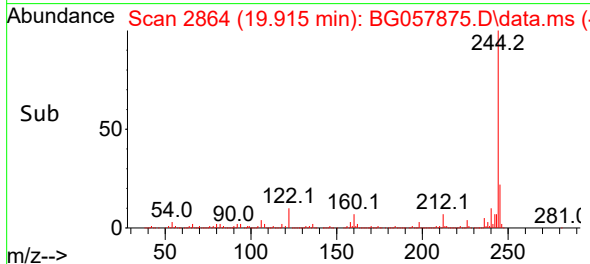
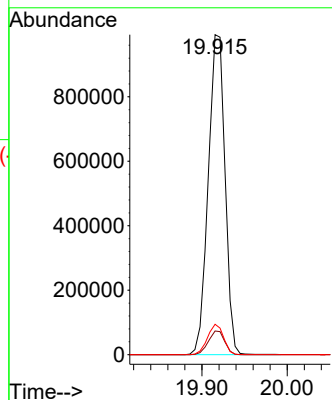
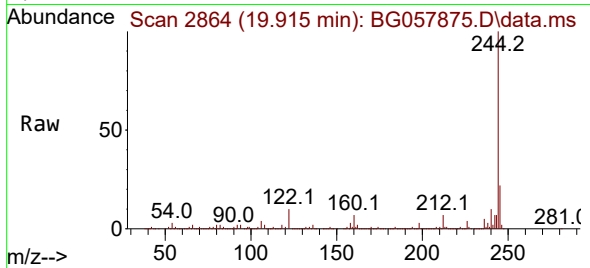




#79
 Terphenyl-d14
 Concen: 91.295 ng
 RT: 19.915 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG057875.D
 Acq: 27 Jun 2023 20:39

Instrument :
 BNA_G
 ClientSampleId :
 MW-06

Tgt Ion:244 Resp: 1357952
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.9 8.9
 122 9.5 7.4 11.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.698 min Scan# 3678
 Delta R.T. -0.008 min
 Lab File: BG057875.D
 Acq: 27 Jun 2023 20:39

Tgt Ion:264 Resp: 322613
 Ion Ratio Lower Upper
 264 100
 260 22.9 17.8 26.8
 265 21.4 17.3 25.9

