

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041723\
 Data File : BG057117.D
 Acq On : 17 Apr 2023 19:09
 Operator : CG/JU
 Sample : 02366-10
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 20230342-COMP-20

Quant Time: Apr 18 01:21:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 19:00:08 2023
 Response via : Initial Calibration

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

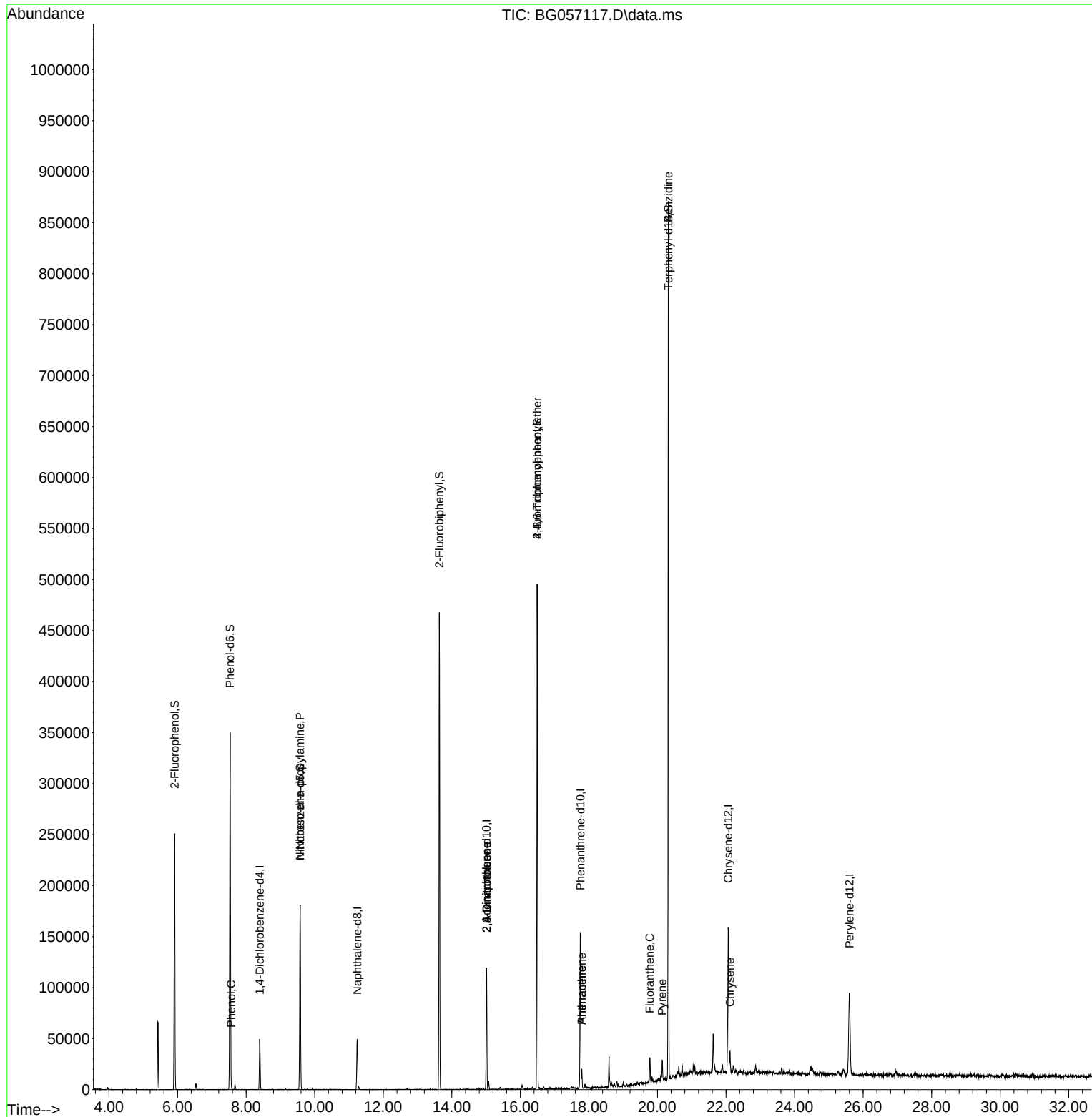
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.396	152	14028	20.000	ng	-0.01
21) Naphthalene-d8	11.240	136	42259	20.000	ng	0.00
39) Acenaphthene-d10	15.011	164	42865	20.000	ng	0.00
64) Phenanthrene-d10	17.754	188	97509	20.000	ng	# 0.00
76) Chrysene-d12	22.066	240	84112	20.000	ng	#-0.01
86) Perylene-d12	25.602	264	94918	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.911	112	105529	120.397	ng	0.00
7) Phenol-d6	7.533	99	198754	151.614	ng	0.00
23) Nitrobenzene-d5	9.577	82	116516	112.818	ng	0.00
42) 2,4,6-Tribromophenol	16.491	330	97168	141.896	ng	0.00
45) 2-Fluorobiphenyl	13.636	172	234189	74.084	ng	0.00
79) Terphenyl-d14	20.321	244	417248	83.942	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	7.562	94	2735	2.106	ng	96
19) n-Nitroso-di-n-propyla...	9.577	70	16069	17.137	ng	# 77
51) 2,6-Dinitrotoluene	15.017	165	5214	7.145	ng	# 18
57) 2,4-Dinitrotoluene	15.017	165	5214	5.066	ng	# 18
67) 4-Bromophenyl-phenylether	16.491	248	6075	5.035	ng	# 1
71) Phenanthrene	17.795	178	11760	2.366	ng	98
72) Anthracene	17.795	178	11760	2.308	ng	97
75) Fluoranthene	19.781	202	15507	2.461	ng	98
77) Benzidine	20.316	184	6242	2.715	ng	97
78) Pyrene	20.139	202	13150	2.260	ng	98
83) Chrysene	22.119	228	13931	2.556	ng	97

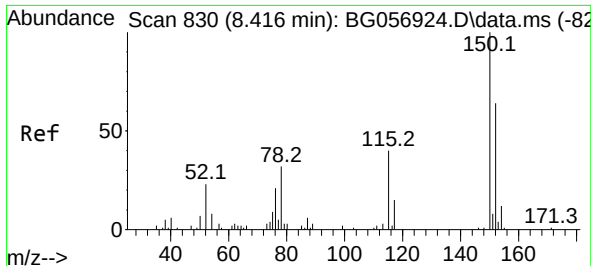
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 18 01:21:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 17 19:00:08 2023
Response via : Initial Calibration

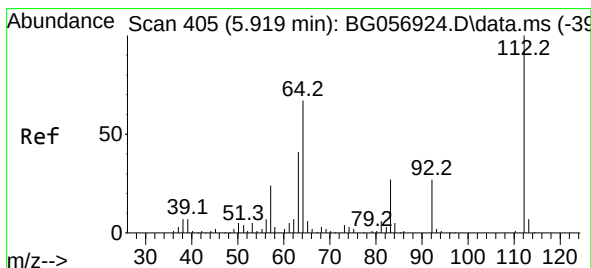
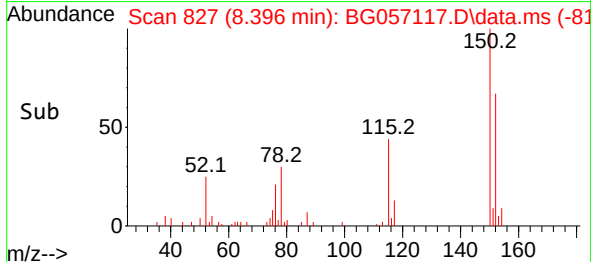
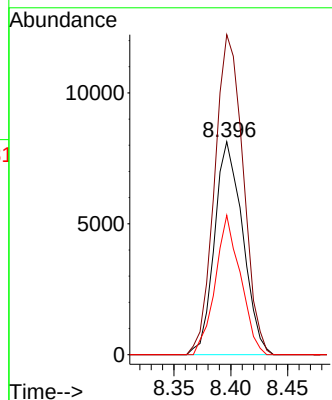
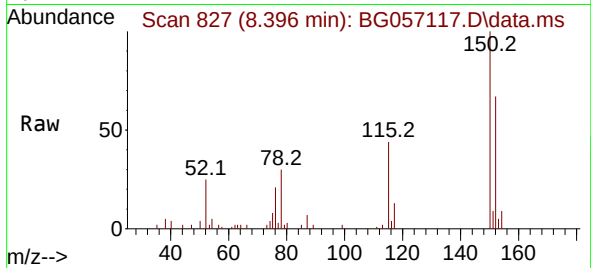




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.396 min Scan# 81
Delta R.T. -0.015 min
Lab File: BG057117.D
Acq: 17 Apr 2023 19:09

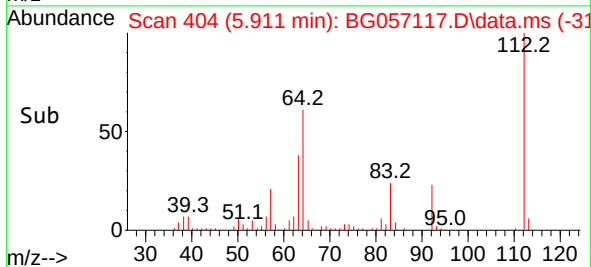
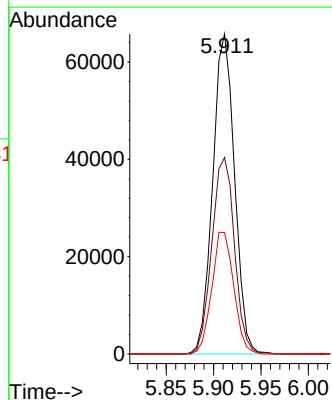
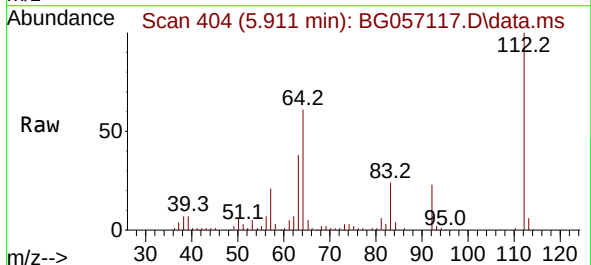
Instrument :
BNA_G
ClientSampleId :
20230342-COMP-20

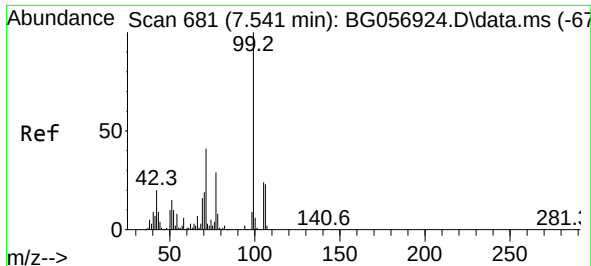
Tgt Ion:152 Resp: 14028
Ion Ratio Lower Upper
152 100
150 150.3 124.1 186.1
115 65.4 49.1 73.7



#5
2-Fluorophenol
Concen: 120.397 ng
RT: 5.911 min Scan# 404
Delta R.T. -0.003 min
Lab File: BG057117.D
Acq: 17 Apr 2023 19:09

Tgt Ion:112 Resp: 105529
Ion Ratio Lower Upper
112 100
64 61.4 53.2 79.8
63 37.9 32.6 48.8

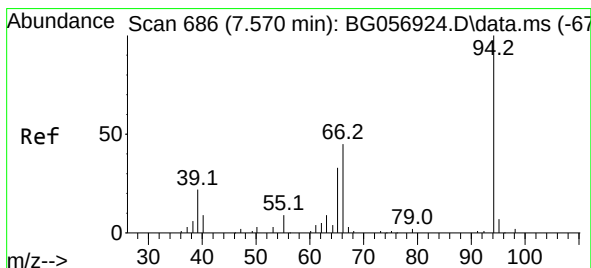
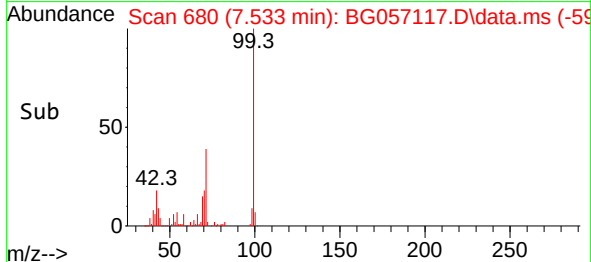
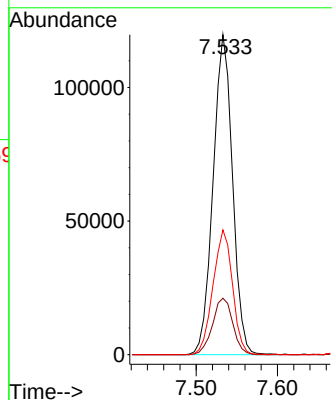
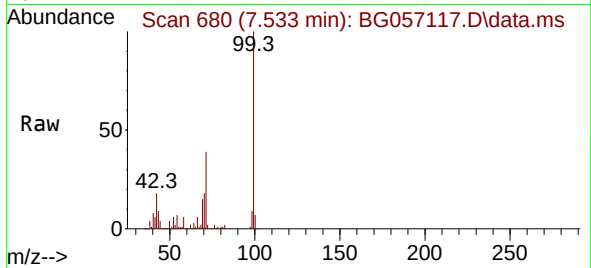




#7
Phenol-d6
Concen: 151.614 ng
RT: 7.533 min Scan# 681
Delta R.T. -0.003 min
Lab File: BG057117.D
Acq: 17 Apr 2023 19:09

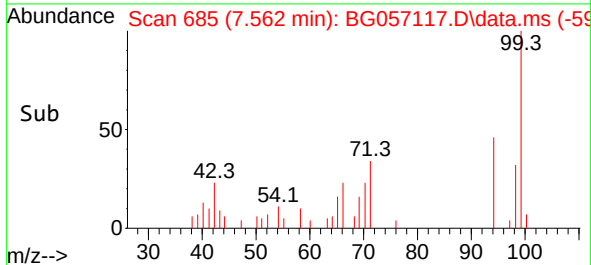
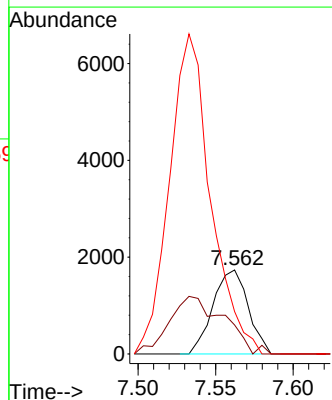
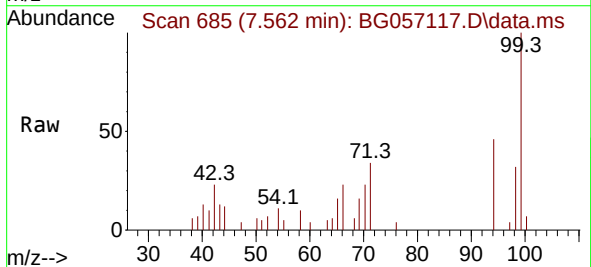
Instrument :
BNA_G
ClientSampleId :
20230342-COMP-20

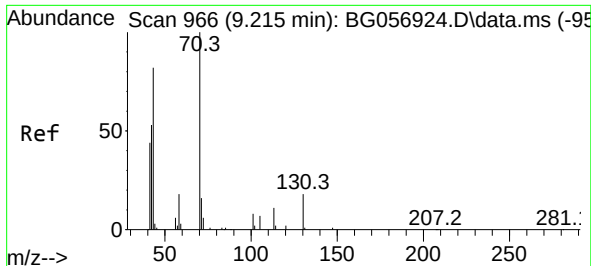
Tgt Ion: 99 Resp: 198754
Ion Ratio Lower Upper
99 100
42 17.7 15.7 23.5
71 39.0 32.5 48.7



#10
Phenol
Concen: 2.106 ng
RT: 7.562 min Scan# 685
Delta R.T. -0.003 min
Lab File: BG057117.D
Acq: 17 Apr 2023 19:09

Tgt Ion: 94 Resp: 2735
Ion Ratio Lower Upper
94 100
65 34.6 13.3 53.3
66 50.4 26.7 66.7

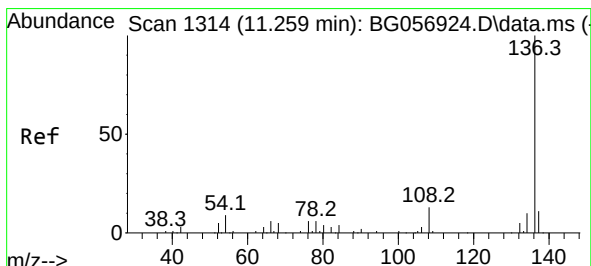
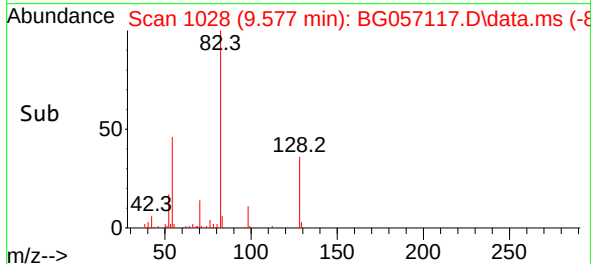
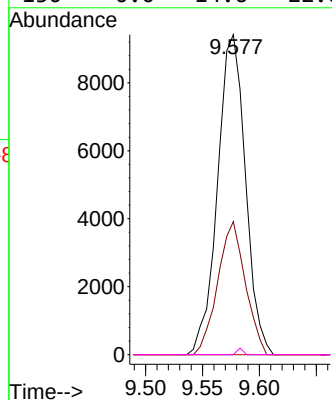
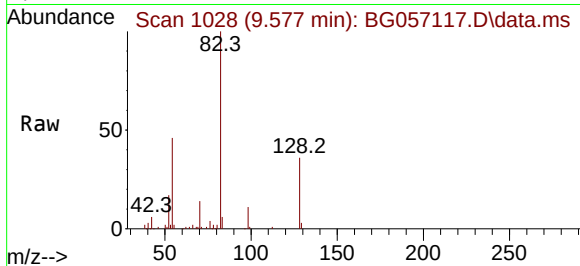




#19
n-Nitroso-di-n-propylamine
Concen: 17.137 ng
RT: 9.577 min Scan# 1028
Delta R.T. 0.367 min
Lab File: BG057117.D
Acq: 17 Apr 2023 19:09

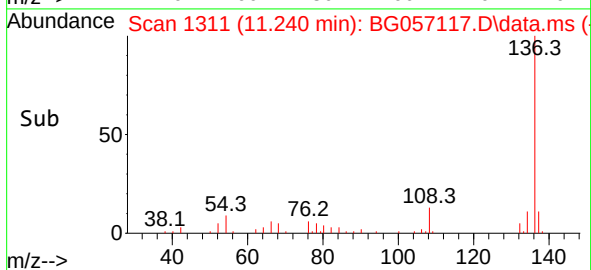
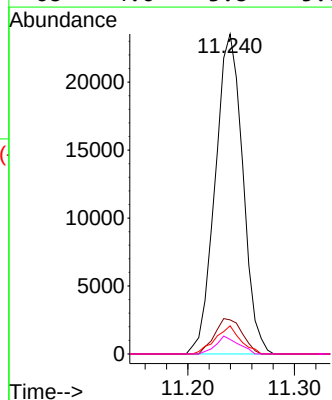
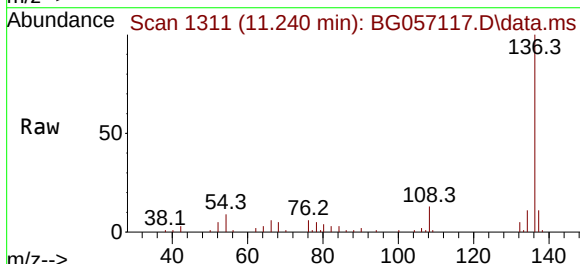
Instrument :
BNA_G
ClientSampleId :
20230342-COMP-20

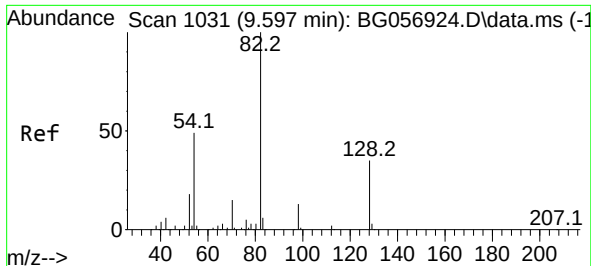
Tgt Ion: 70 Resp: 16069
Ion Ratio Lower Upper
70 100
42 41.6 43.4 65.0#
101 0.0 6.2 9.2#
130 0.0 14.6 22.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.240 min Scan# 1311
Delta R.T. -0.009 min
Lab File: BG057117.D
Acq: 17 Apr 2023 19:09

Tgt Ion: 136 Resp: 42259
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.8 6.9 10.3
68 4.6 3.8 5.6

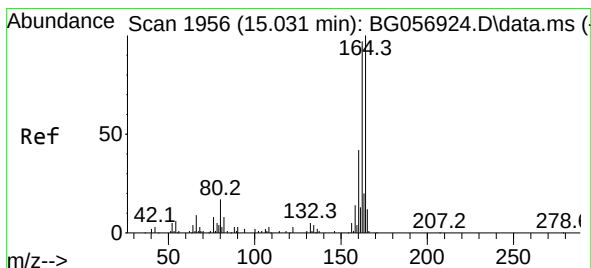
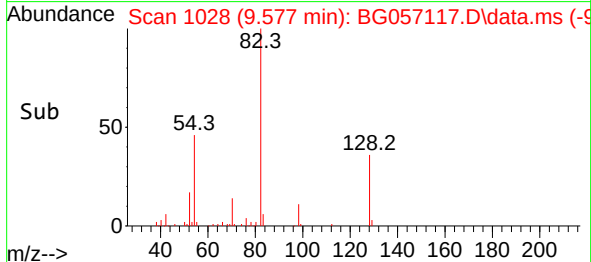
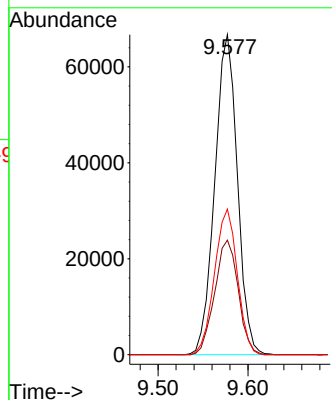
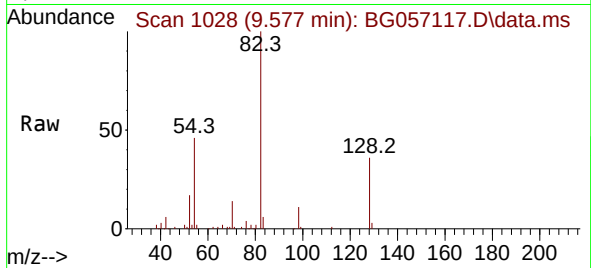




#23
Nitrobenzene-d5
Concen: 112.818 ng
RT: 9.577 min Scan# 1028
Delta R.T. -0.009 min
Lab File: BG057117.D
Acq: 17 Apr 2023 19:09

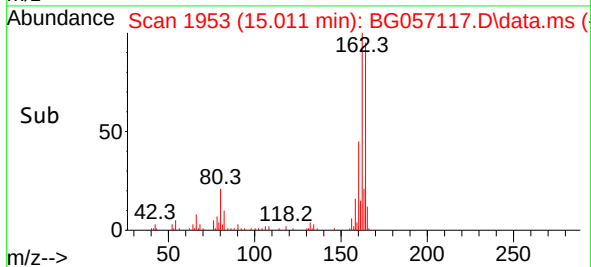
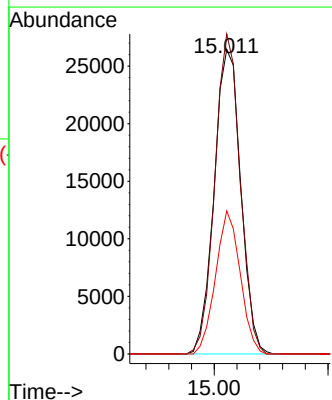
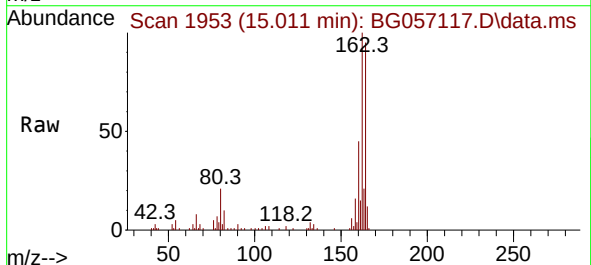
Instrument :
BNA_G
ClientSampleId :
20230342-COMP-20

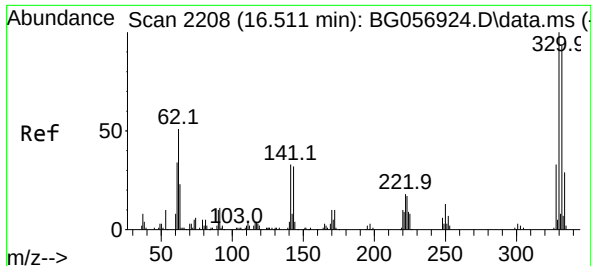
Tgt Ion: 82 Resp: 116516
Ion Ratio Lower Upper
82 100
128 35.8 27.9 41.9
54 45.5 39.4 59.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.011 min Scan# 1953
Delta R.T. -0.009 min
Lab File: BG057117.D
Acq: 17 Apr 2023 19:09

Tgt Ion:164 Resp: 42865
Ion Ratio Lower Upper
164 100
162 105.1 77.8 116.8
160 47.0 33.5 50.3





#42

2,4,6-Tribromophenol

Concen: 141.896 ng

RT: 16.491 min Scan# 21

Delta R.T. -0.009 min

Lab File: BG057117.D

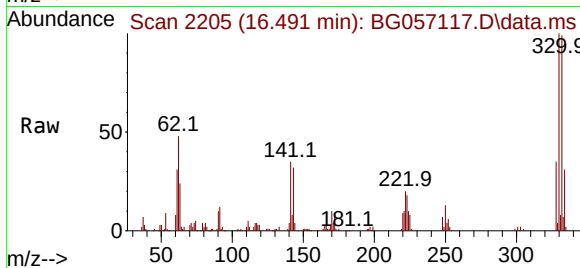
Acq: 17 Apr 2023 19:09

Instrument :

BNA_G

ClientSampleId :

20230342-COMP-20



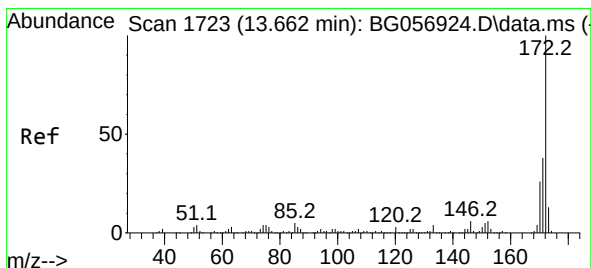
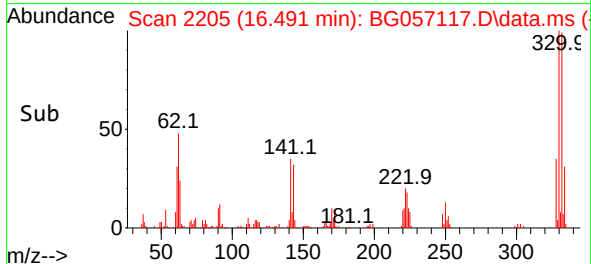
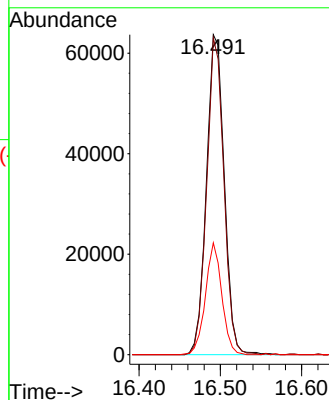
Tgt Ion:330 Resp: 97168

Ion Ratio Lower Upper

330 100

332 94.9 76.1 114.1

141 32.1 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 74.084 ng

RT: 13.636 min Scan# 1719

Delta R.T. -0.009 min

Lab File: BG057117.D

Acq: 17 Apr 2023 19:09

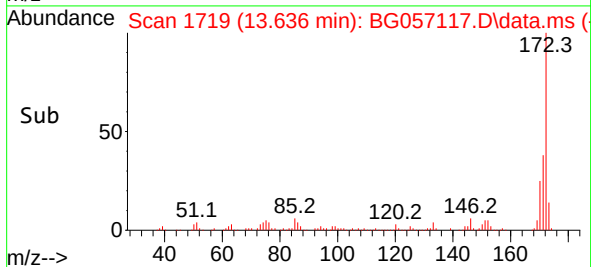
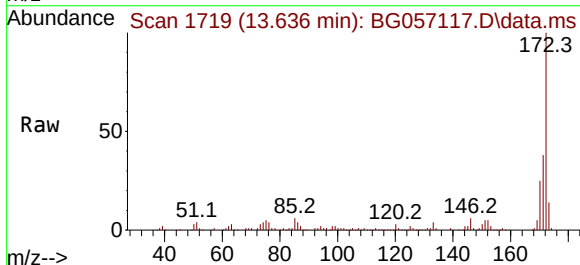
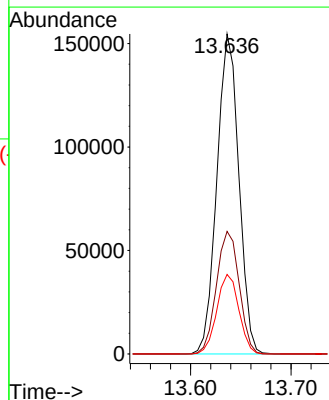
Tgt Ion:172 Resp: 234189

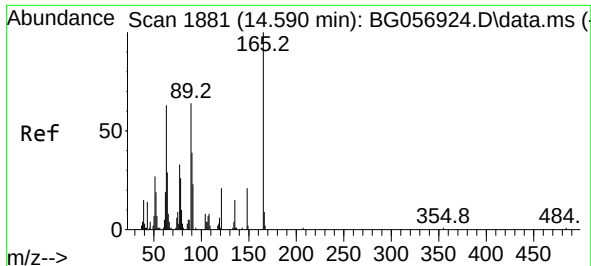
Ion Ratio Lower Upper

172 100

171 38.3 30.6 46.0

170 24.9 20.6 30.8

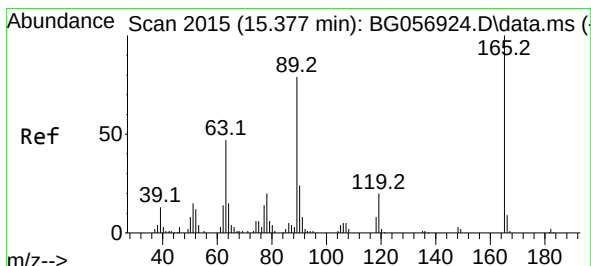
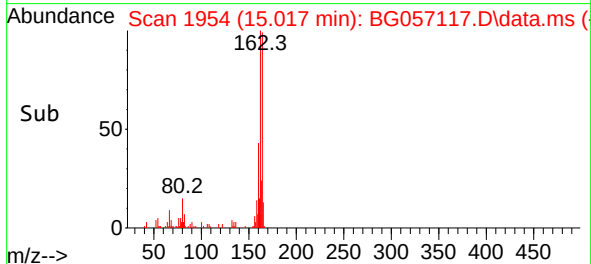
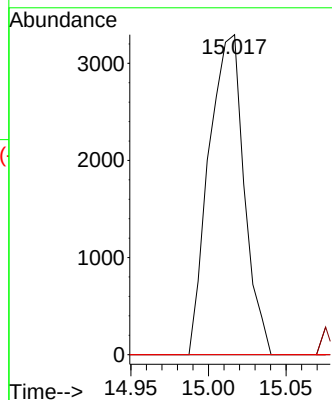
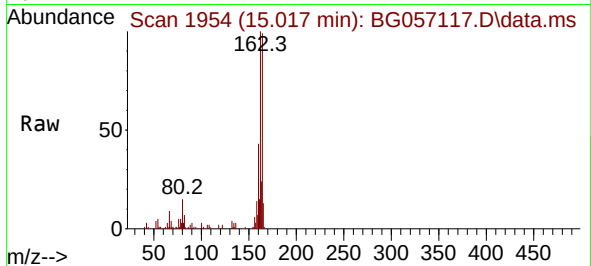




#51
2,6-Dinitrotoluene
Concen: 7.145 ng
RT: 15.017 min Scan# 1954
Delta R.T. 0.432 min
Lab File: BG057117.D
Acq: 17 Apr 2023 19:09

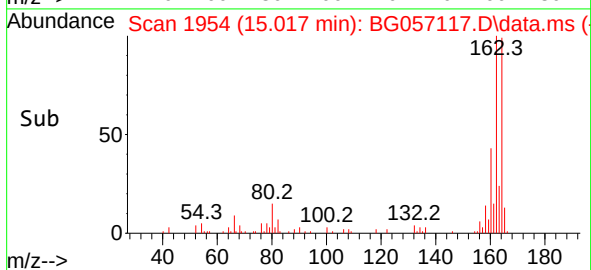
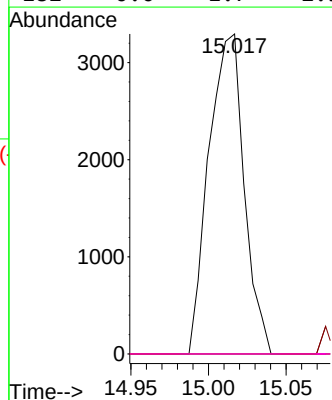
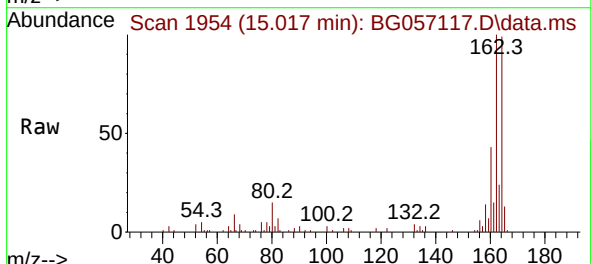
Instrument :
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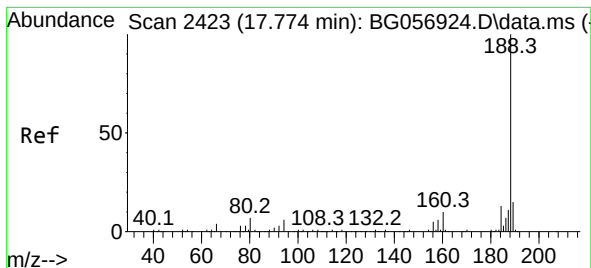
Tgt Ion:165 Resp: 5214
Ion Ratio Lower Upper
165 100
63 0.0 53.0 79.6#
89 0.0 51.0 76.4#



#57
2,4-Dinitrotoluene
Concen: 5.066 ng
RT: 15.017 min Scan# 1954
Delta R.T. -0.350 min
Lab File: BG057117.D
Acq: 17 Apr 2023 19:09

Tgt Ion:165 Resp: 5214
Ion Ratio Lower Upper
165 100
63 0.0 37.7 56.5#
89 0.0 63.2 94.8#
182 0.0 1.7 2.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.754 min Scan# 24

Delta R.T. -0.009 min

Lab File: BG057117.D

Acq: 17 Apr 2023 19:09

Instrument :

BNA_G

ClientSampleId :

20230342-COMP-20

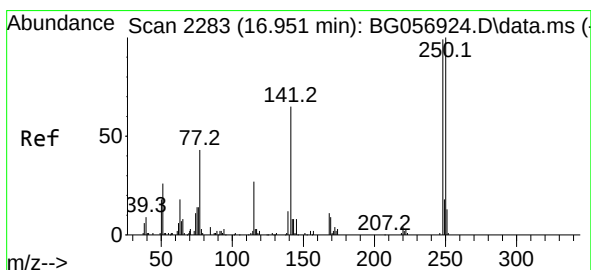
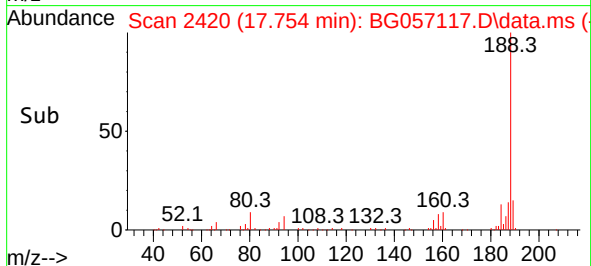
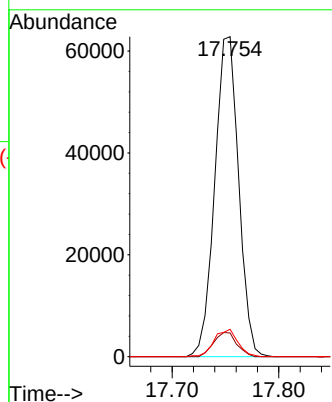
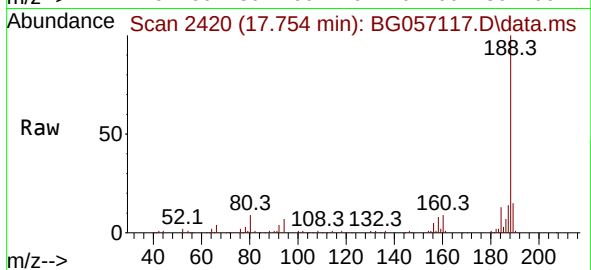
Tgt Ion:188 Resp: 97509

Ion Ratio Lower Upper

188 100

94 7.4 4.6 6.8#

80 8.6 5.5 8.3#



#67

4-Bromophenyl-phenylether

Concen: 5.035 ng

RT: 16.491 min Scan# 2205

Delta R.T. -0.444 min

Lab File: BG057117.D

Acq: 17 Apr 2023 19:09

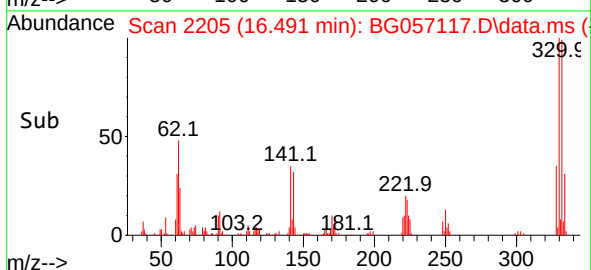
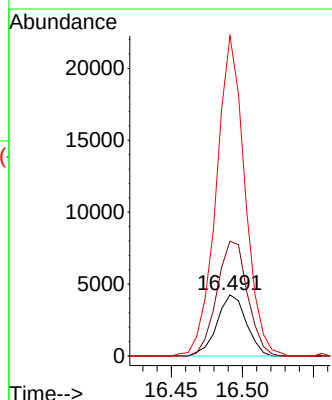
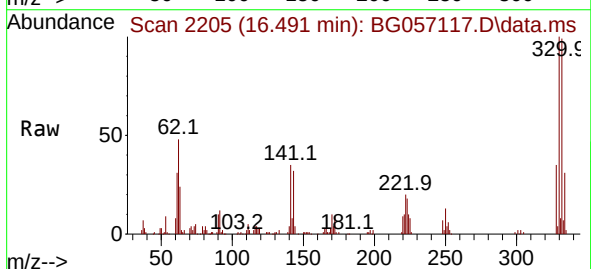
Tgt Ion:248 Resp: 6075

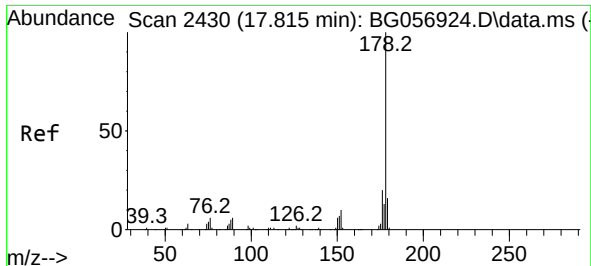
Ion Ratio Lower Upper

248 100

250 187.5 80.5 120.7#

141 522.9 52.0 78.0#

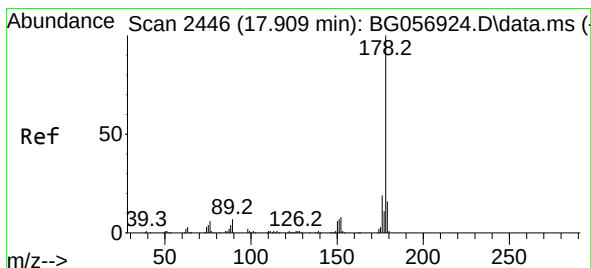
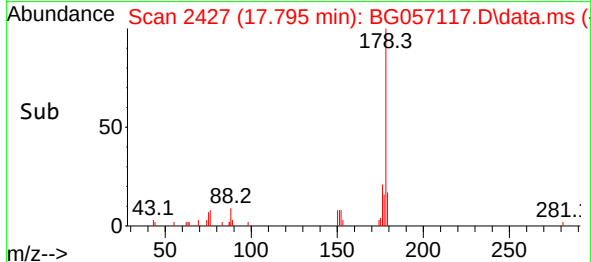
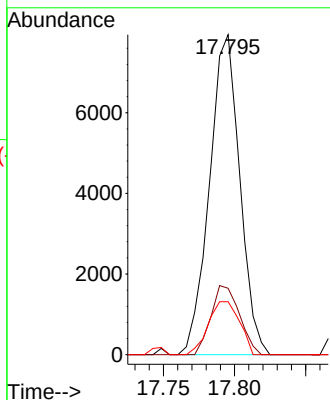
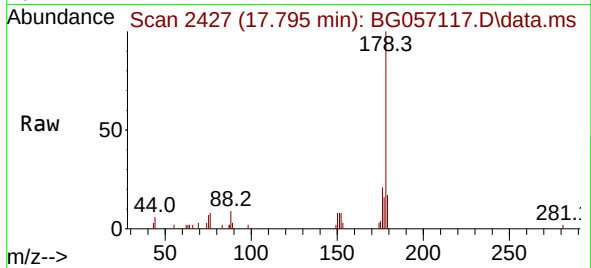




#71
Phenanthrene
Concen: 2.366 ng
RT: 17.795 min Scan# 2430
Delta R.T. -0.009 min
Lab File: BG057117.D
Acq: 17 Apr 2023 19:09

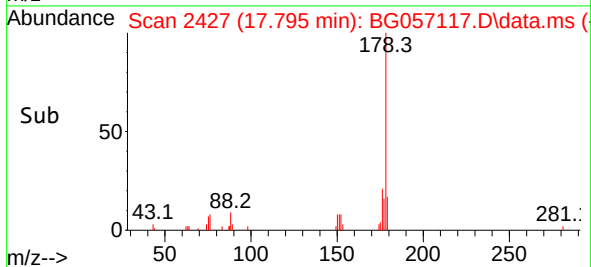
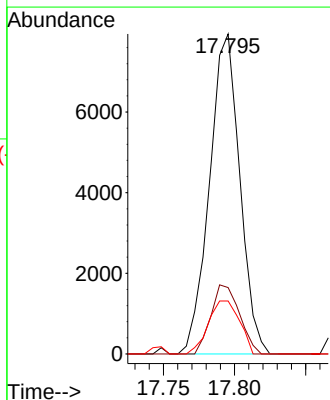
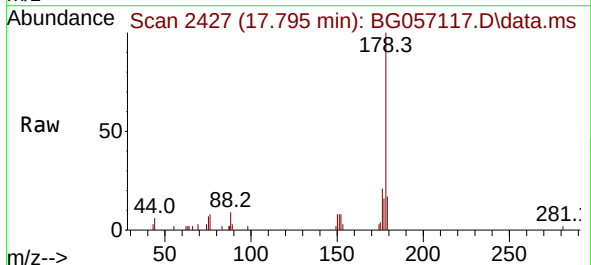
Instrument :
BNA_G
ClientSampleId :
20230342-COMP-20

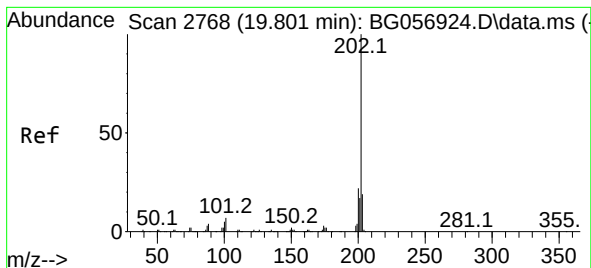
Tgt Ion:178 Resp: 11760
Ion Ratio Lower Upper
178 100
176 20.7 16.2 24.2
179 16.6 12.5 18.7



#72
Anthracene
Concen: 2.308 ng
RT: 17.795 min Scan# 2427
Delta R.T. -0.097 min
Lab File: BG057117.D
Acq: 17 Apr 2023 19:09

Tgt Ion:178 Resp: 11760
Ion Ratio Lower Upper
178 100
176 20.7 15.4 23.2
179 16.6 12.4 18.6





#75

Fluoranthene

Concen: 2.461 ng

RT: 19.781 min Scan# 21

Delta R.T. -0.009 min

Lab File: BG057117.D

Acq: 17 Apr 2023 19:09

Instrument :

BNA_G

ClientSampleId :

20230342-COMP-20

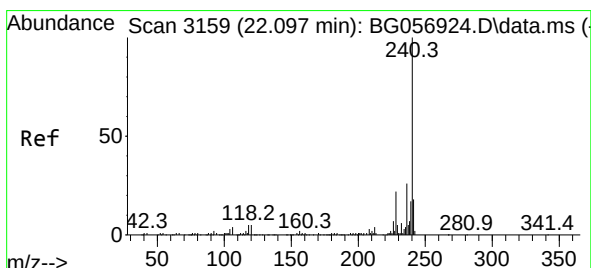
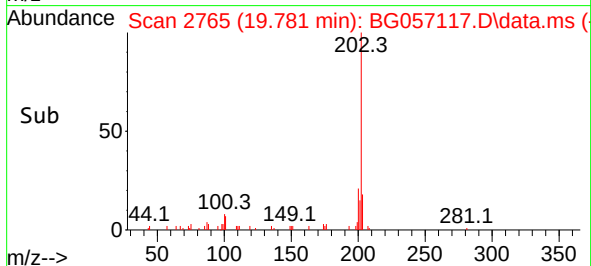
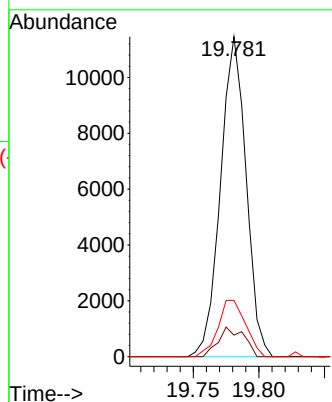
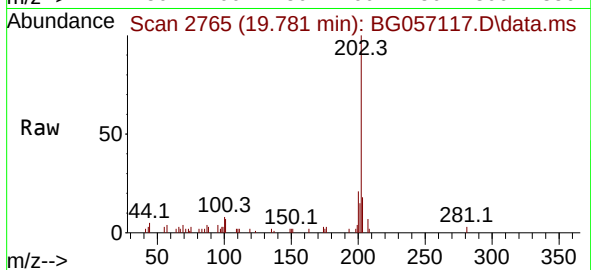
Tgt Ion:202 Resp: 15507

Ion Ratio Lower Upper

202 100

101 6.8 0.0 26.7

203 17.6 0.0 39.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.066 min Scan# 3154

Delta R.T. -0.015 min

Lab File: BG057117.D

Acq: 17 Apr 2023 19:09

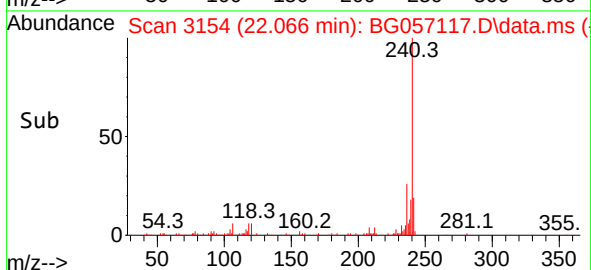
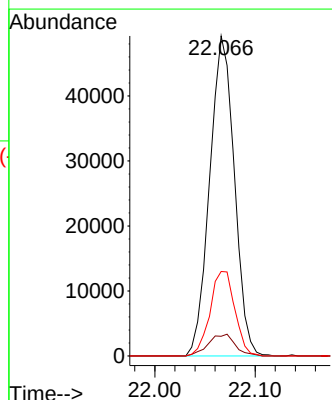
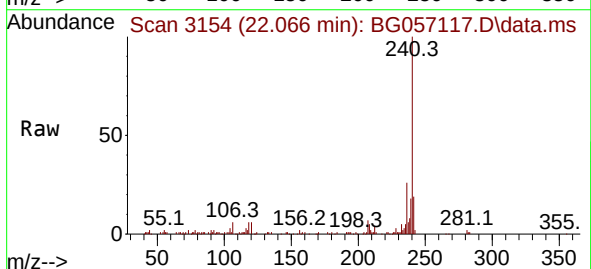
Tgt Ion:240 Resp: 84112

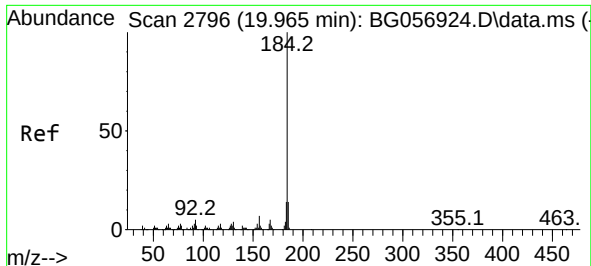
Ion Ratio Lower Upper

240 100

120 6.2 3.8 5.6#

236 26.4 21.0 31.6

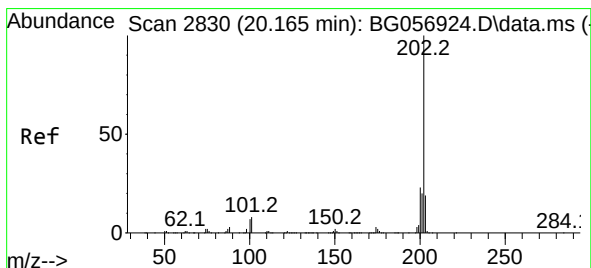
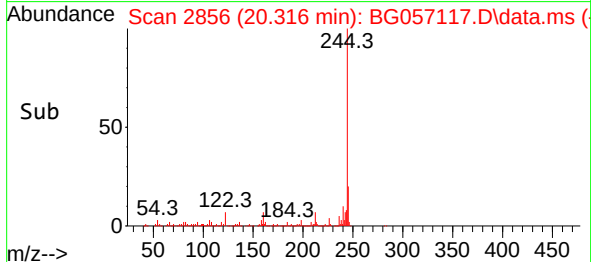
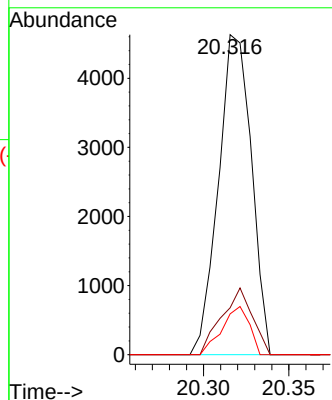
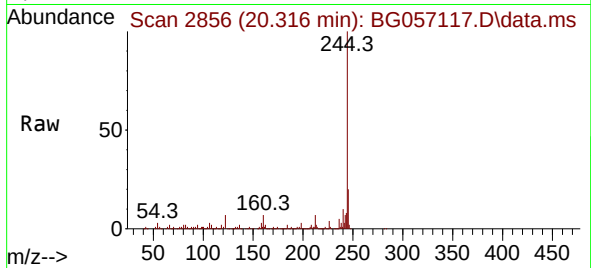




#77
Benzidine
Concen: 2.715 ng
RT: 20.316 min Scan# 21
Delta R.T. 0.361 min
Lab File: BG057117.D
Acq: 17 Apr 2023 19:09

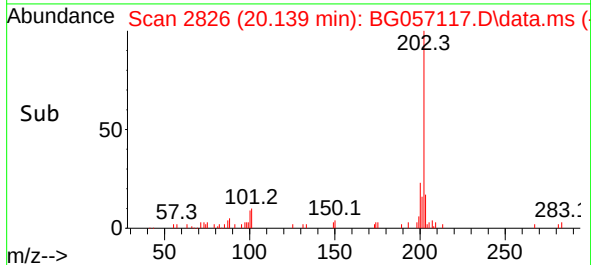
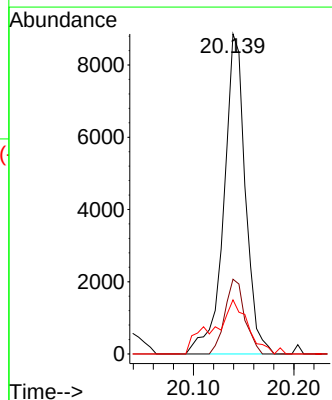
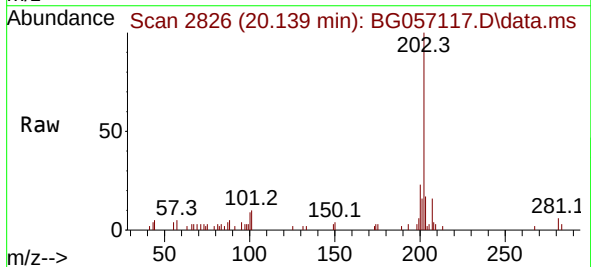
Instrument :
BNA_G
ClientSampleId :
20230342-COMP-20

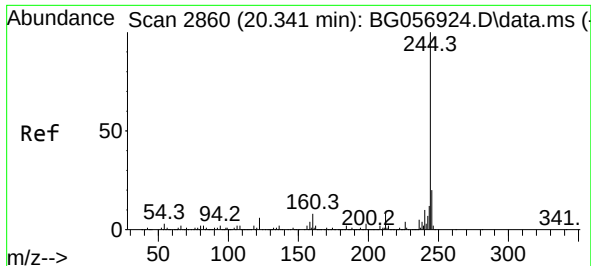
Tgt Ion:184 Resp: 6242
Ion Ratio Lower Upper
184 100
185 14.6 11.0 16.4
183 12.7 11.4 17.0



#78
Pyrene
Concen: 2.260 ng
RT: 20.139 min Scan# 2826
Delta R.T. -0.009 min
Lab File: BG057117.D
Acq: 17 Apr 2023 19:09

Tgt Ion:202 Resp: 13150
Ion Ratio Lower Upper
202 100
200 23.4 18.7 28.1
203 16.9 15.4 23.2

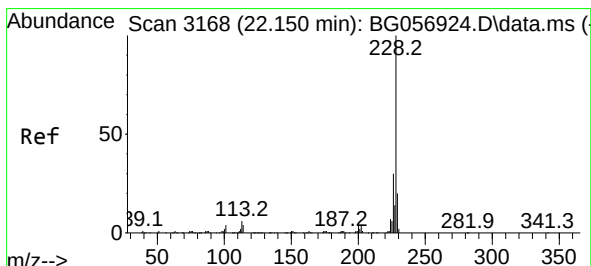
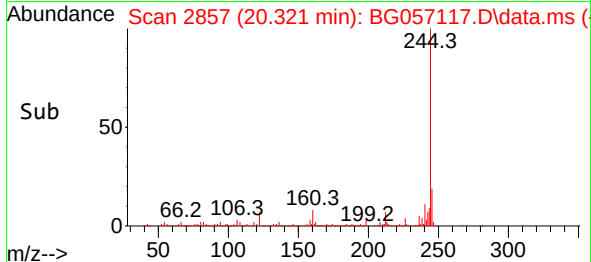
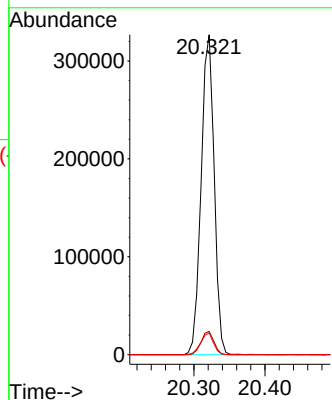
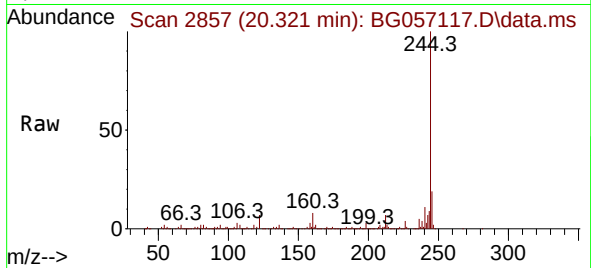




#79
 Terphenyl-d14
 Concen: 83.942 ng
 RT: 20.321 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG057117.D
 Acq: 17 Apr 2023 19:09

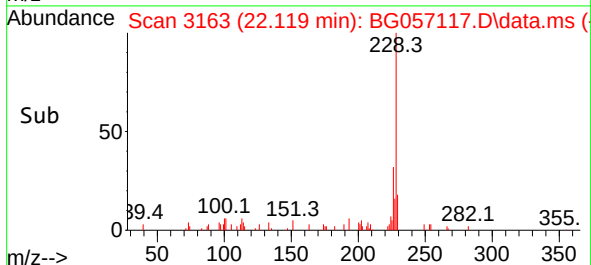
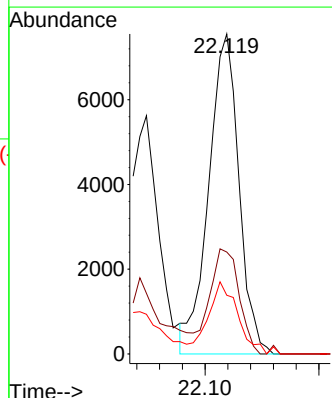
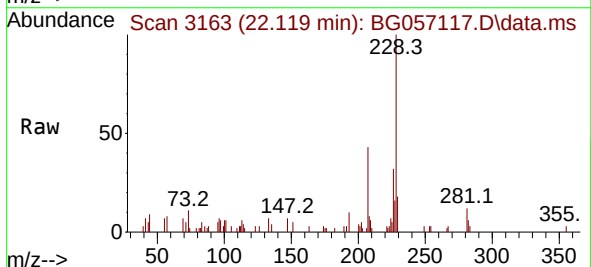
Instrument :
 BNA_G
 ClientSampleId :
 20230342-COMP-20

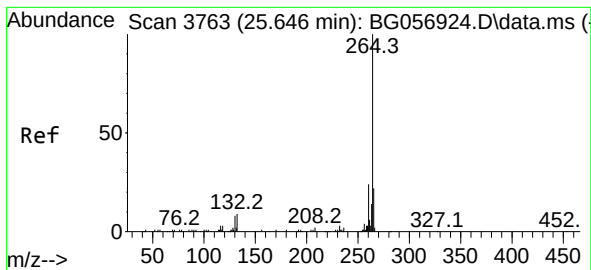
Tgt Ion:244 Resp: 417248
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 6.8 5.0 7.4



#83
 Chrysene
 Concen: 2.556 ng
 RT: 22.119 min Scan# 3163
 Delta R.T. -0.009 min
 Lab File: BG057117.D
 Acq: 17 Apr 2023 19:09

Tgt Ion:228 Resp: 13931
 Ion Ratio Lower Upper
 228 100
 226 31.8 24.1 36.1
 229 18.4 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.602 min Scan# 31

Delta R.T. -0.009 min

Lab File: BG057117.D

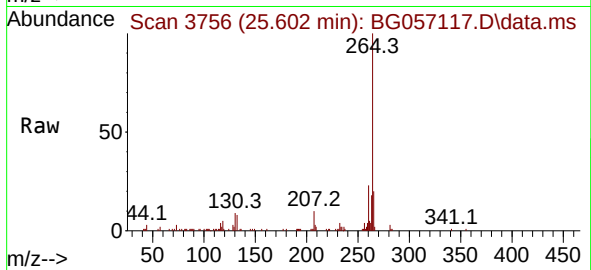
Acq: 17 Apr 2023 19:09

Instrument :

BNA_G

ClientSampleId :

20230342-COMP-20



Tgt Ion:264 Resp: 94918

Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.4

265 20.2 17.8 26.6

