

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062023\
 Data File : BG057774.D
 Acq On : 20 Jun 2023 13:28
 Operator : CG/JU
 Sample : 03289-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-01-0-2.0

Quant Time: Jun 20 14:48:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 03:40:38 2023
 Response via : Initial Calibration

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

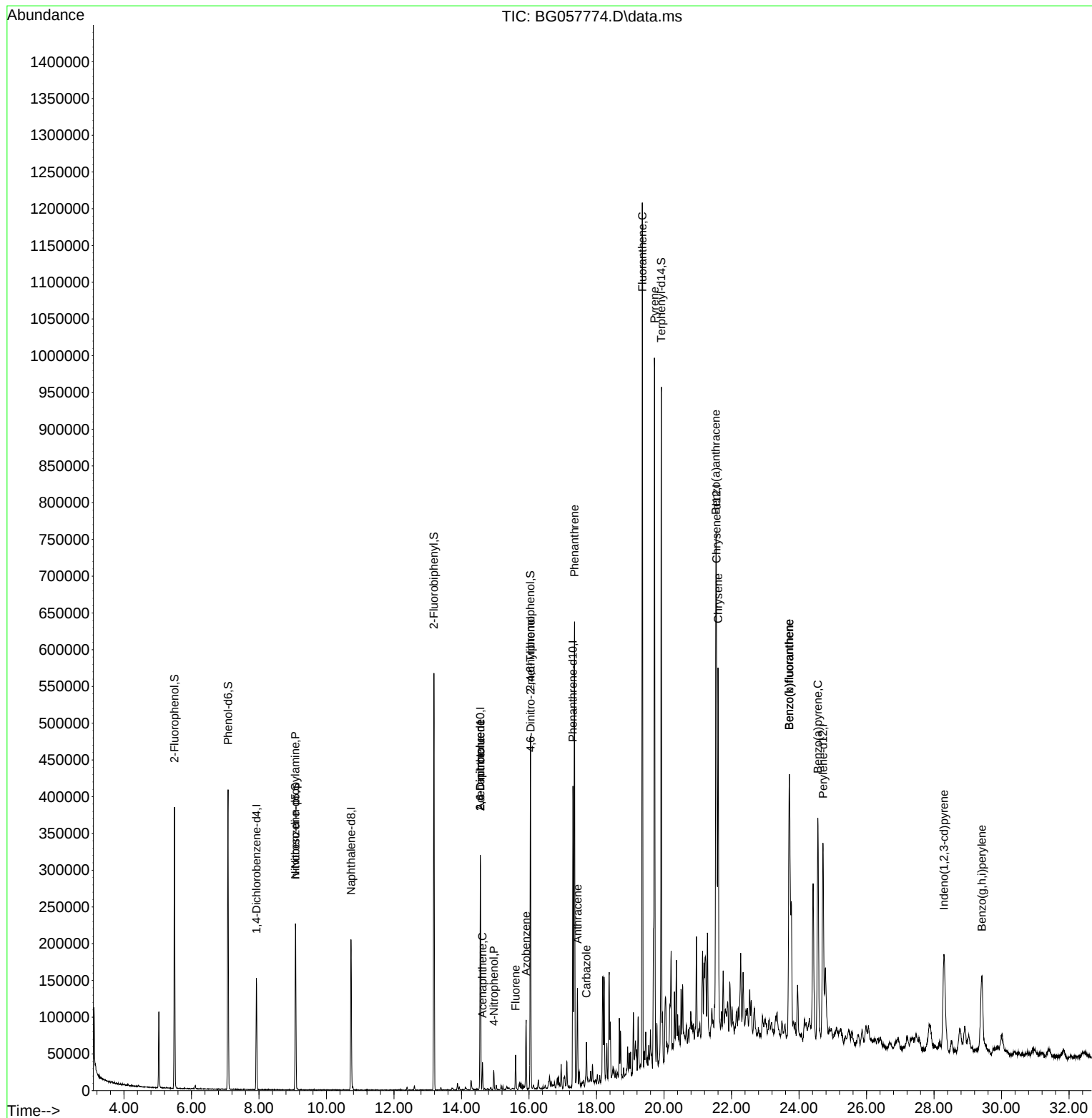
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.923	152	40948	20.000	ng	0.00
21) Naphthalene-d8	10.726	136	170190	20.000	ng	0.00
39) Acenaphthene-d10	14.557	164	116017	20.000	ng	0.00
64) Phenanthrene-d10	17.301	188	264622	20.000	ng	0.00
76) Chrysene-d12	21.554	240	220085	20.000	ng	0.00
86) Perylene-d12	24.710	264	276094	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.497	112	155204	58.442	ng	0.00
7) Phenol-d6	7.083	99	227541	56.153	ng	0.00
23) Nitrobenzene-d5	9.081	82	132952	40.094	ng	-0.01
42) 2,4,6-Tribromophenol	16.043	330	90242	55.839	ng	0.00
45) 2-Fluorobiphenyl	13.182	172	293052	38.312	ng	0.00
79) Terphenyl-d14	19.921	244	469063	39.741	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.081	70	16976	6.009	ng	# 78
51) 2,6-Dinitrotoluene	14.557	165	15501	9.447	ng	# 18
52) Acenaphthene	14.621	154	13082	2.012	ng	100
56) 4-Nitrophenol	14.956	139	4349	2.959	ng	# 1
57) 2,4-Dinitrotoluene	14.557	165	15501	6.966	ng	# 18
58) Fluorene	15.603	166	20603	2.489	ng	90
63) Azobenzene	15.914	77	26112	2.792	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.049	198	66	5.360	ng	# 1
71) Phenanthrene	17.348	178	381064	29.741	ng	97
72) Anthracene	17.436	178	83703	6.398	ng	100
73) Carbazole	17.700	167	36189	3.000	ng	96
75) Fluoranthene	19.357	202	686092	44.950	ng	99
78) Pyrene	19.721	202	625767	39.858	ng	99
81) Benzo(a)anthracene	21.537	228	367286	24.324	ng	99
83) Chrysene	21.601	228	337246	23.272	ng	97
87) Indeno(1,2,3-cd)pyrene	28.294	276	222592	12.331	ng	97
88) Benzo(b)fluoranthene	23.711	252	459718	30.385	ng	# 96
89) Benzo(k)fluoranthene	23.711	252	459718	29.834	ng	98
90) Benzo(a)pyrene	24.557	252	321527	21.639	ng	96
92) Benzo(g,h,i)perylene	29.416	276	214409	14.297	ng	97

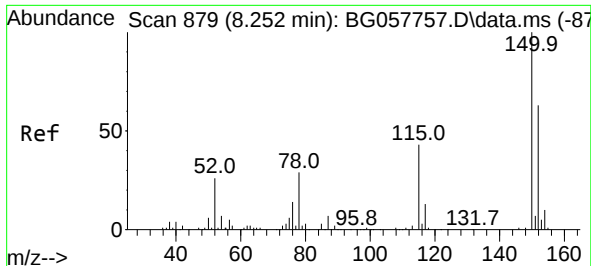
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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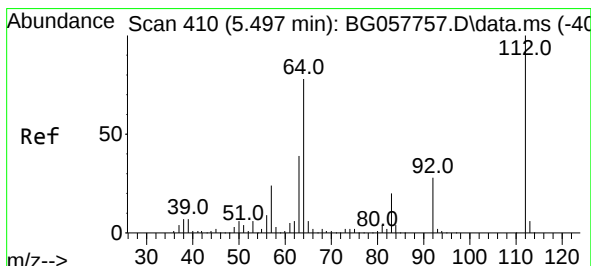
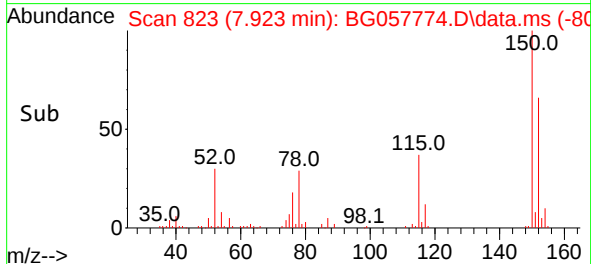
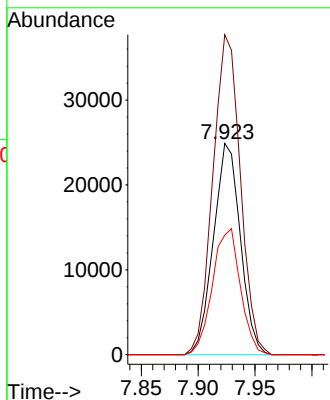
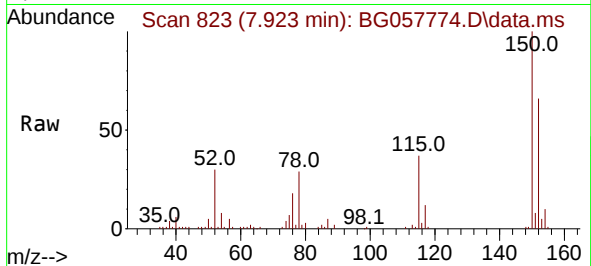




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.923 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG057774.D
Acq: 20 Jun 2023 13:28

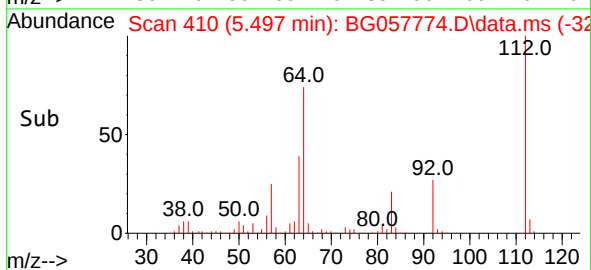
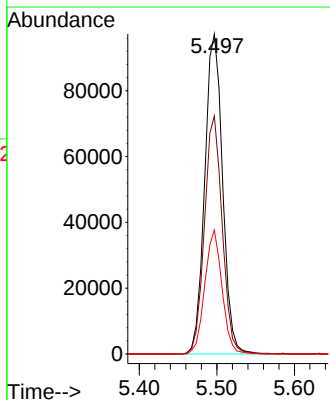
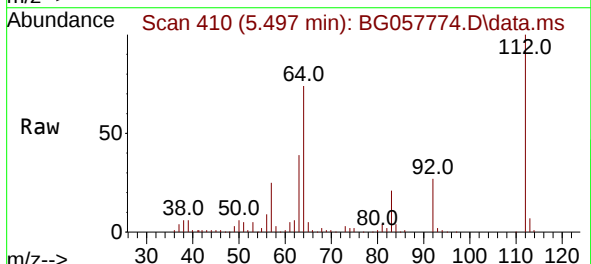
Instrument :
BNA_G
ClientSampleId :
SB-01-0-2.0

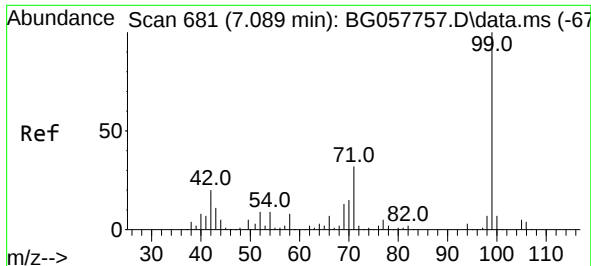
Tgt Ion:152 Resp: 40948
Ion Ratio Lower Upper
152 100
150 151.4 126.6 189.8
115 56.6 48.9 73.3



#5
2-Fluorophenol
Concen: 58.442 ng
RT: 5.497 min Scan# 410
Delta R.T. -0.000 min
Lab File: BG057774.D
Acq: 20 Jun 2023 13:28

Tgt Ion:112 Resp: 155204
Ion Ratio Lower Upper
112 100
64 74.3 62.1 93.1
63 38.7 31.5 47.3

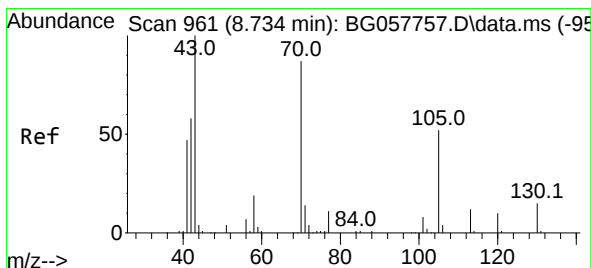
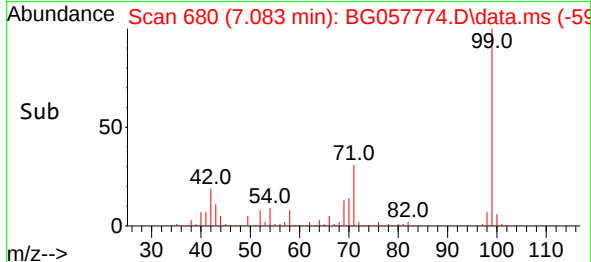
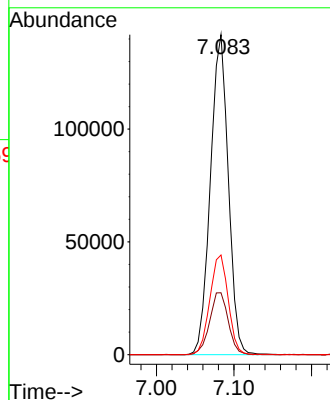
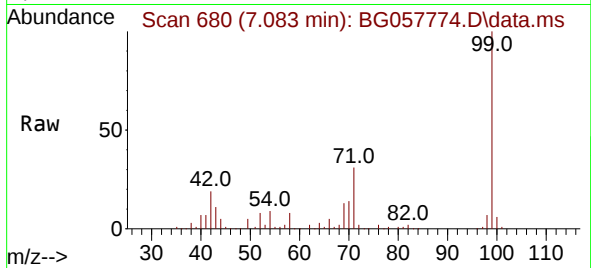




#7
Phenol-d6
Concen: 56.153 ng
RT: 7.083 min Scan# 61
Delta R.T. -0.006 min
Lab File: BG057774.D
Acq: 20 Jun 2023 13:28

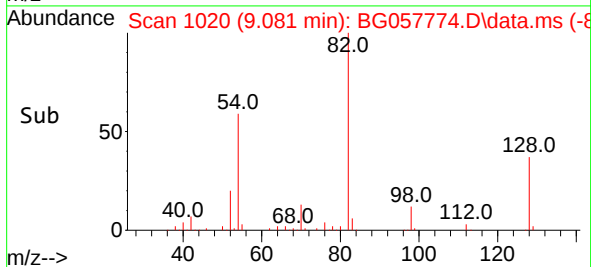
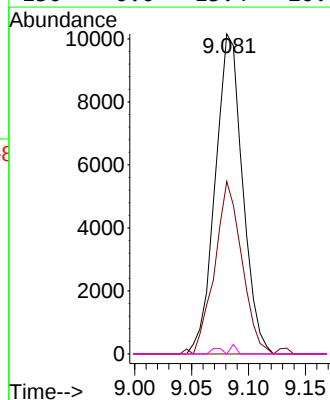
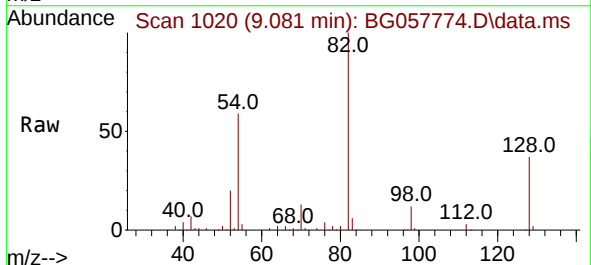
Instrument :
BNA_G
ClientSampleId :
SB-01-0-2.0

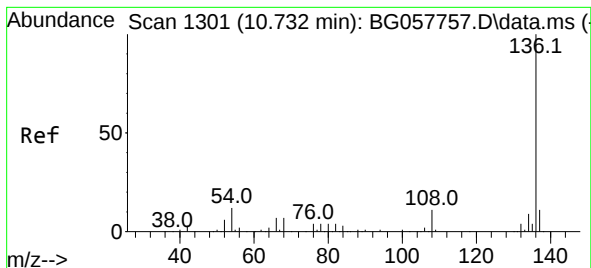
Tgt Ion: 99 Resp: 227541
Ion Ratio Lower Upper
99 100
42 19.4 16.4 24.6
71 31.2 25.8 38.6



#19
n-Nitroso-di-n-propylamine
Concen: 6.009 ng
RT: 9.081 min Scan# 1020
Delta R.T. 0.347 min
Lab File: BG057774.D
Acq: 20 Jun 2023 13:28

Tgt Ion: 70 Resp: 16976
Ion Ratio Lower Upper
70 100
42 53.9 54.2 81.2#
101 0.0 7.4 11.0#
130 0.0 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.726 min Scan# 11

Delta R.T. -0.006 min

Lab File: BG057774.D

Acq: 20 Jun 2023 13:28

Instrument :

BNA_G

ClientSampleId :

SB-01-0-2.0

Tgt Ion:136 Resp: 170190

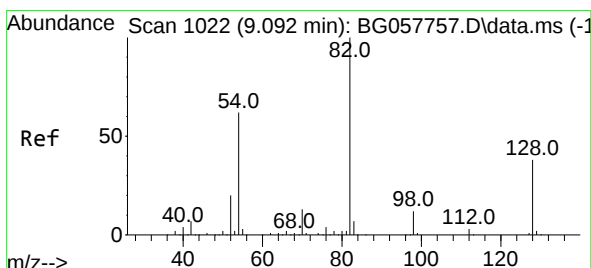
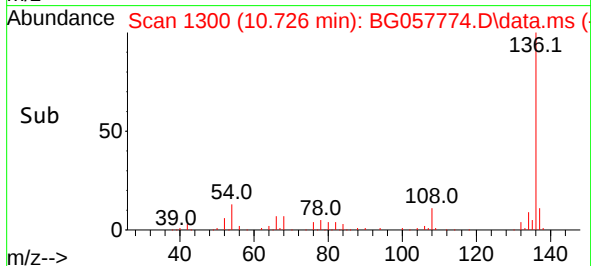
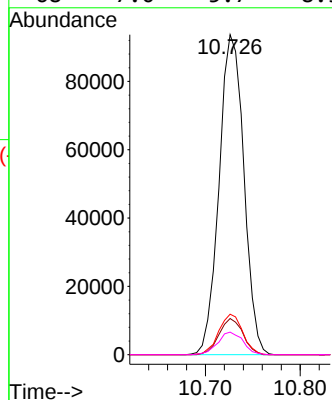
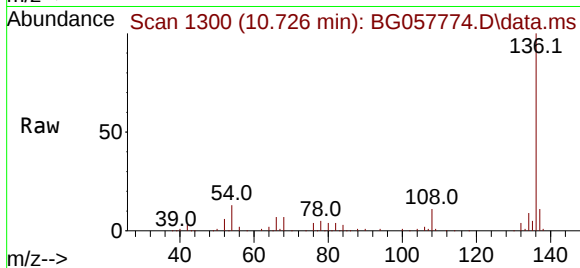
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 12.7 9.5 14.3

68 7.0 5.7 8.5



#23

Nitrobenzene-d5

Concen: 40.094 ng

RT: 9.081 min Scan# 1020

Delta R.T. -0.012 min

Lab File: BG057774.D

Acq: 20 Jun 2023 13:28

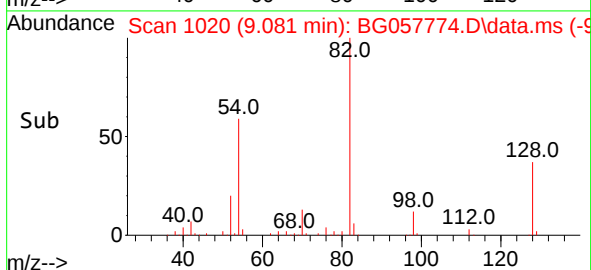
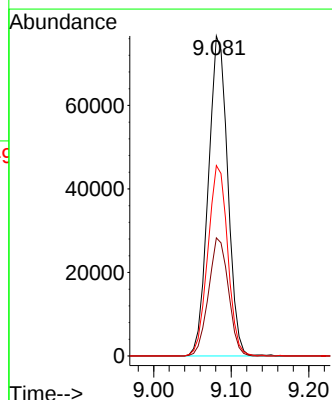
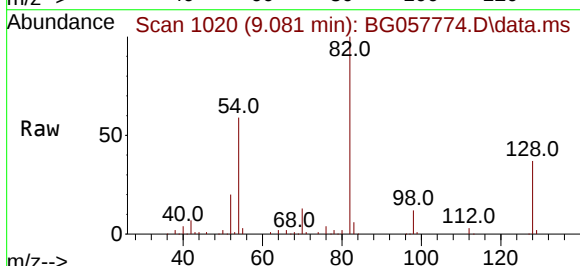
Tgt Ion: 82 Resp: 132952

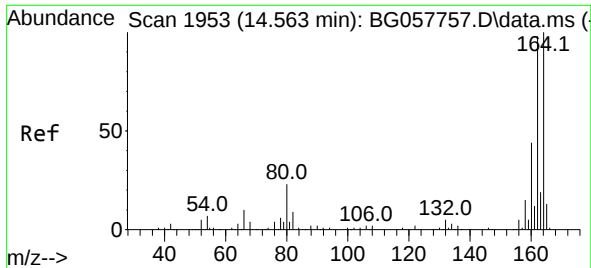
Ion Ratio Lower Upper

82 100

128 36.9 30.7 46.1

54 59.5 49.6 74.4

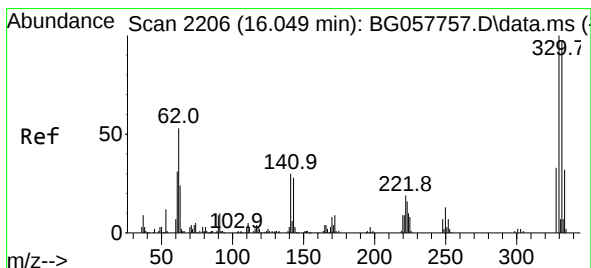
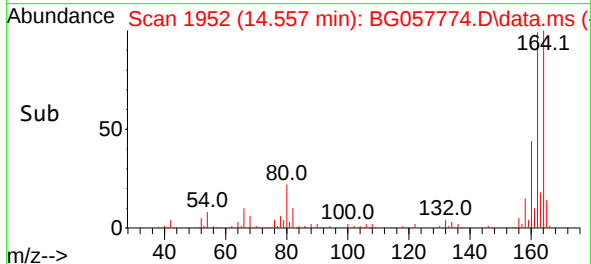
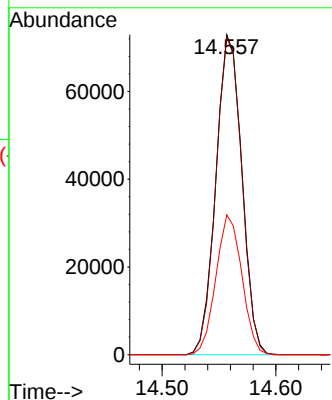
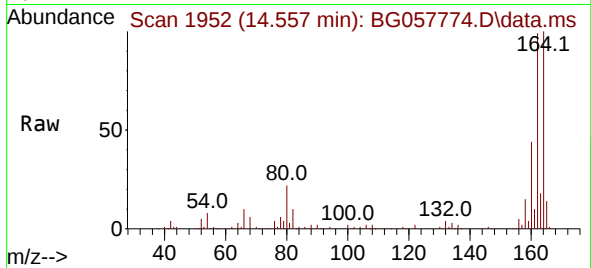




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.557 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BG057774.D
Acq: 20 Jun 2023 13:28

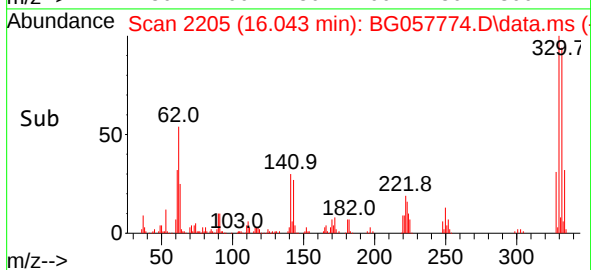
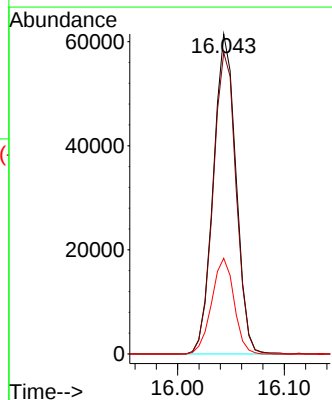
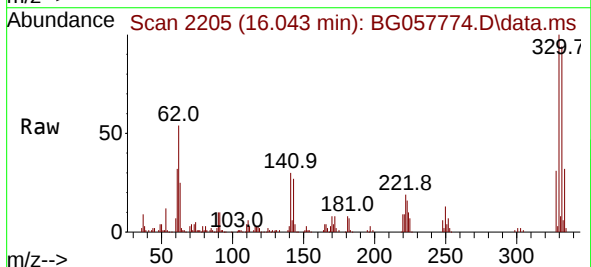
Instrument :
BNA_G
ClientSampleId :
SB-01-0-2.0

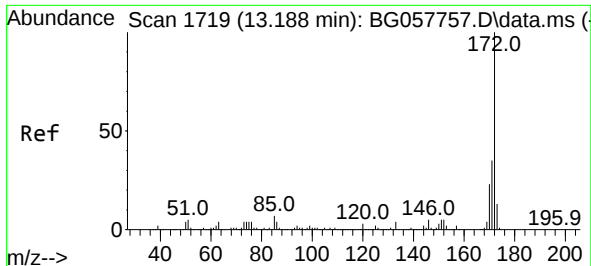
Tgt Ion:164 Resp: 116017
Ion Ratio Lower Upper
164 100
162 99.3 78.3 117.5
160 43.7 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 55.839 ng
RT: 16.043 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BG057774.D
Acq: 20 Jun 2023 13:28

Tgt Ion:330 Resp: 90242
Ion Ratio Lower Upper
330 100
332 96.0 76.6 115.0
141 29.6 24.7 37.1

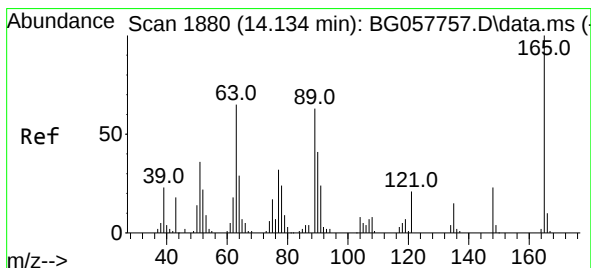
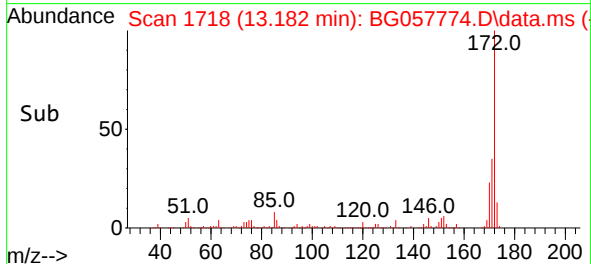
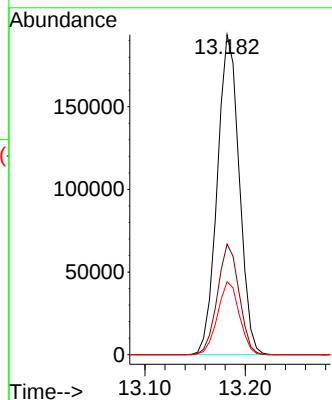
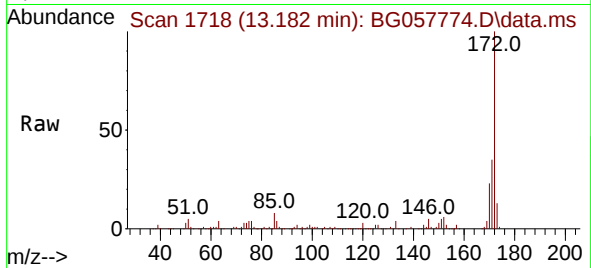




#45
2-Fluorobiphenyl
Concen: 38.312 ng
RT: 13.182 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG057774.D
Acq: 20 Jun 2023 13:28

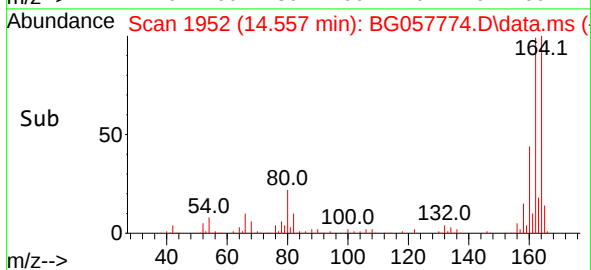
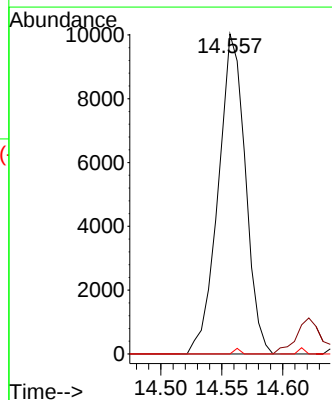
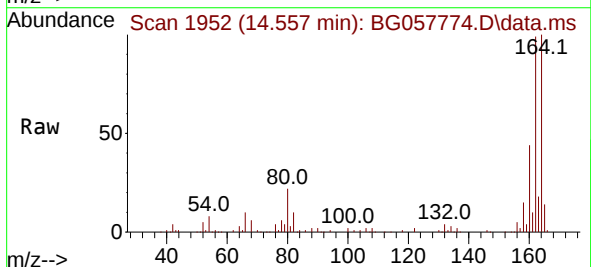
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ClientSampleId :
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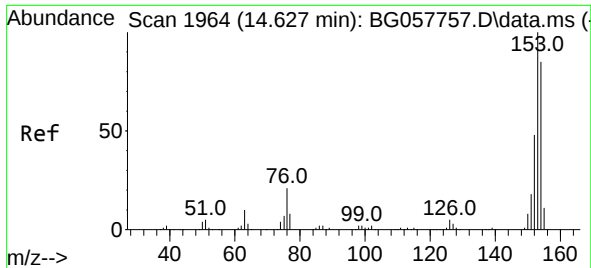
Tgt Ion:172 Resp: 293052
Ion Ratio Lower Upper
172 100
171 34.5 28.1 42.1
170 22.8 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 9.447 ng
RT: 14.557 min Scan# 1952
Delta R.T. 0.423 min
Lab File: BG057774.D
Acq: 20 Jun 2023 13:28

Tgt Ion:165 Resp: 15501
Ion Ratio Lower Upper
165 100
63 0.0 52.8 79.2#
89 0.0 50.7 76.1#

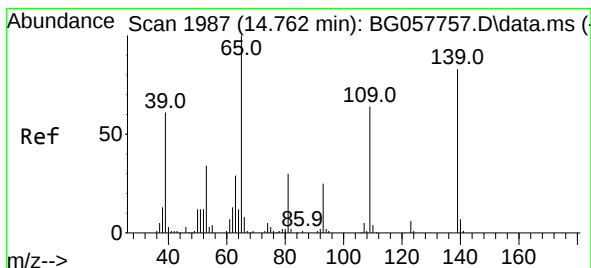
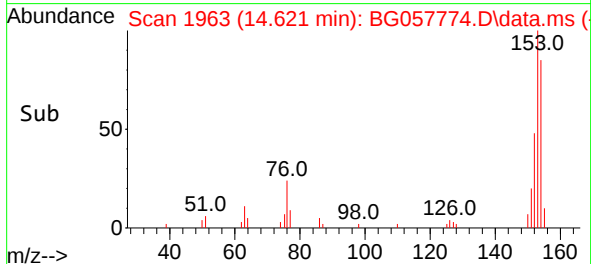
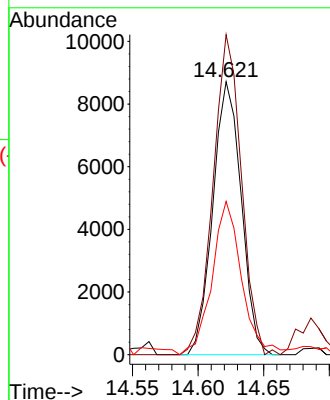
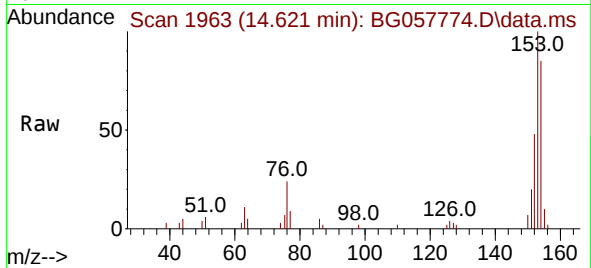




#52
Acenaphthene
Concen: 2.012 ng
RT: 14.621 min Scan# 1963
Delta R.T. -0.006 min
Lab File: BG057774.D
Acq: 20 Jun 2023 13:28

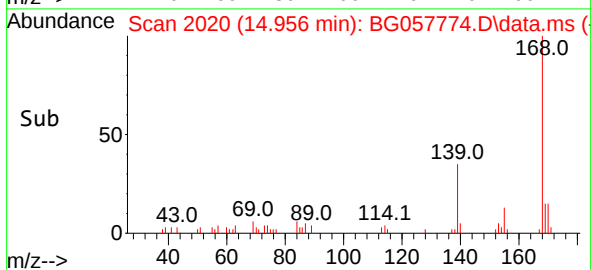
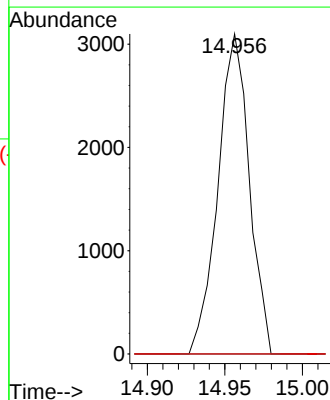
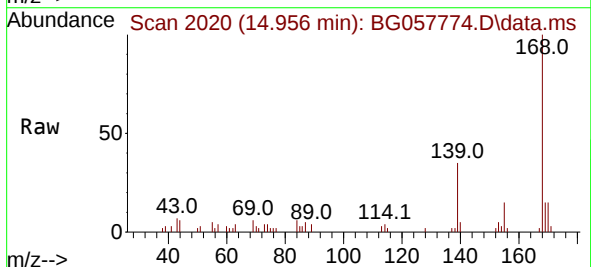
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ClientSampleId :
SB-01-0-2.0

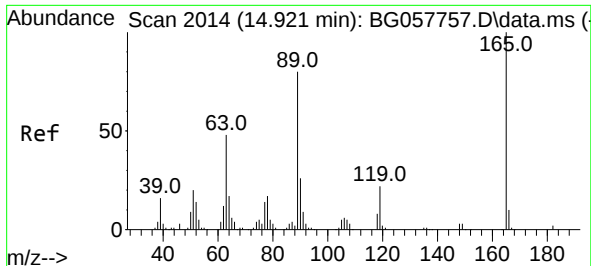
Tgt Ion:154 Resp: 13082
Ion Ratio Lower Upper
154 100
153 117.2 93.6 140.4
152 56.1 44.7 67.1



#56
4-Nitrophenol
Concen: 2.959 ng
RT: 14.956 min Scan# 2020
Delta R.T. 0.194 min
Lab File: BG057774.D
Acq: 20 Jun 2023 13:28

Tgt Ion:139 Resp: 4349
Ion Ratio Lower Upper
139 100
109 0.0 57.3 97.3#
65 0.0 100.0 140.0#





#57

2,4-Dinitrotoluene

Concen: 6.966 ng

RT: 14.557 min Scan# 1952

Delta R.T. -0.364 min

Lab File: BG057774.D

Acq: 20 Jun 2023 13:28

Instrument :

BNA_G

ClientSampleId :

SB-01-0-2.0

Tgt Ion:165 Resp: 15501

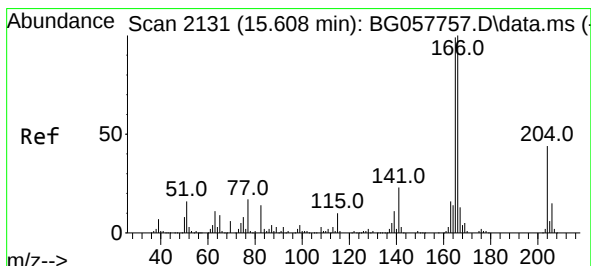
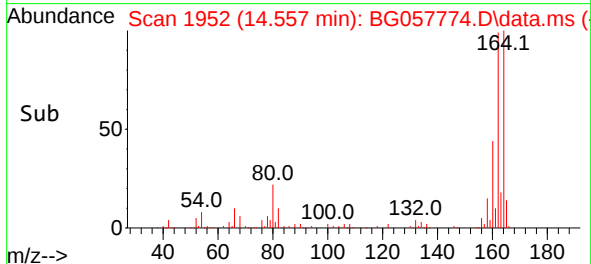
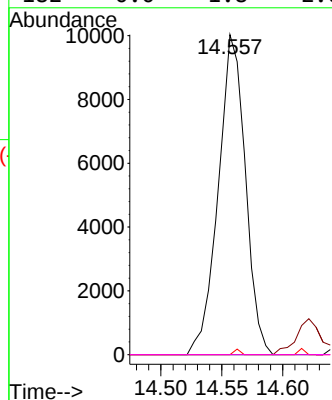
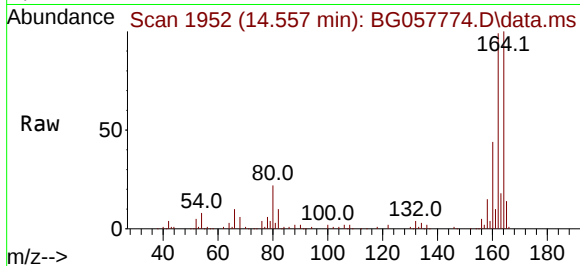
Ion Ratio Lower Upper

165 100

63 0.0 38.6 58.0#

89 0.0 63.7 95.5#

182 0.0 1.8 2.6#



#58

Fluorene

Concen: 2.489 ng

RT: 15.603 min Scan# 2130

Delta R.T. -0.006 min

Lab File: BG057774.D

Acq: 20 Jun 2023 13:28

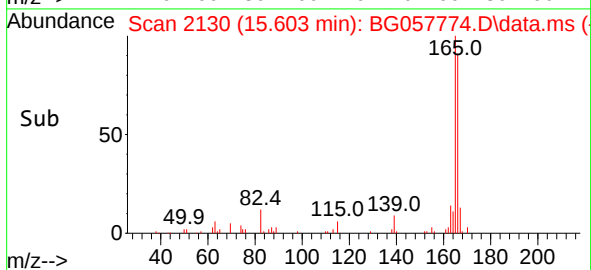
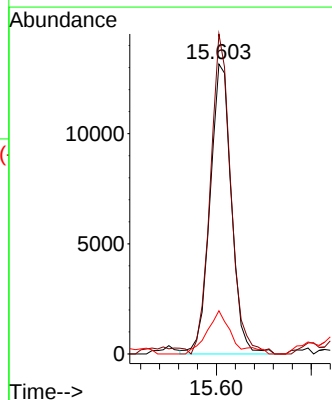
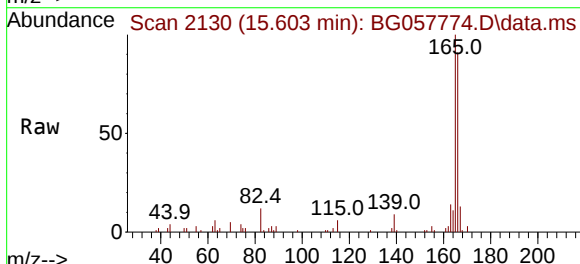
Tgt Ion:166 Resp: 20603

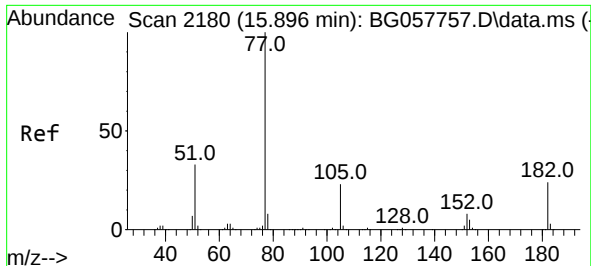
Ion Ratio Lower Upper

166 100

165 110.4 79.5 119.3

167 14.9 10.6 16.0

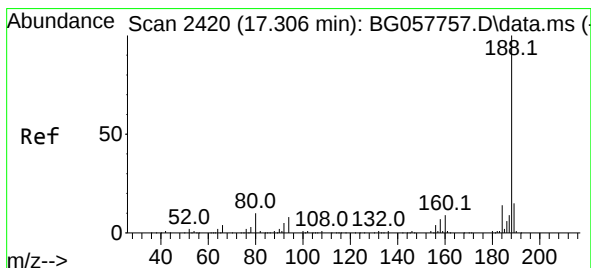
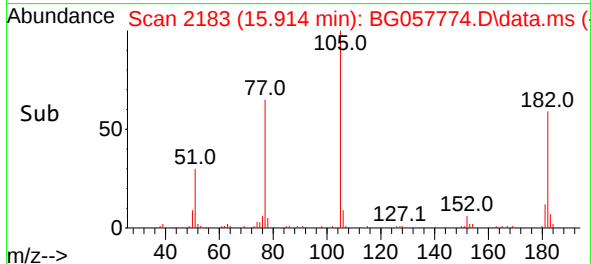
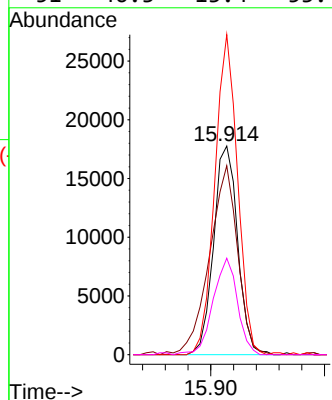
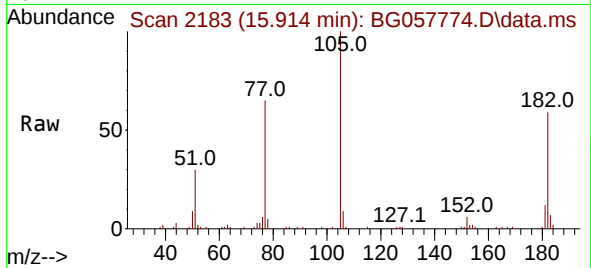




#63
Azobenzene
Concen: 2.792 ng
RT: 15.914 min Scan# 2180
Delta R.T. 0.018 min
Lab File: BG057774.D
Acq: 20 Jun 2023 13:28

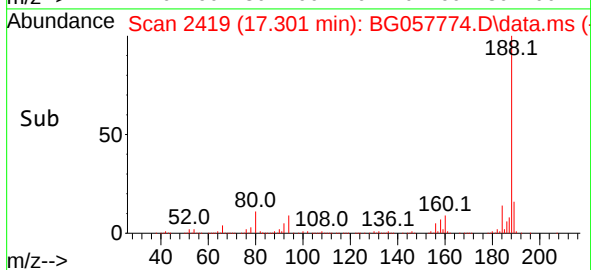
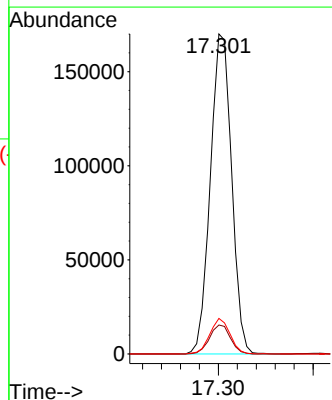
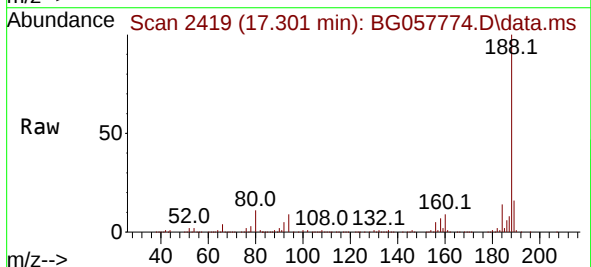
Instrument :
BNA_G
ClientSampleId :
SB-01-0-2.0

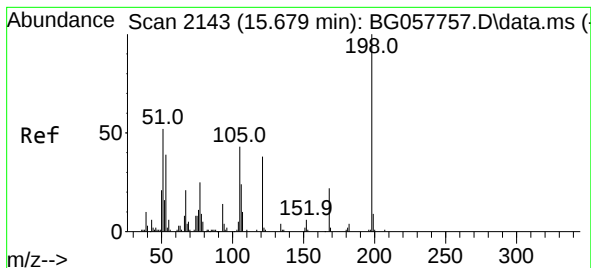
Tgt Ion: 77 Resp: 26112
Ion Ratio Lower Upper
77 100
182 90.6 4.1 44.1#
105 153.4 3.3 43.3#
51 46.3 13.4 53.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.301 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BG057774.D
Acq: 20 Jun 2023 13:28

Tgt Ion: 188 Resp: 264622
Ion Ratio Lower Upper
188 100
94 9.1 6.6 9.8
80 11.1 7.6 11.4

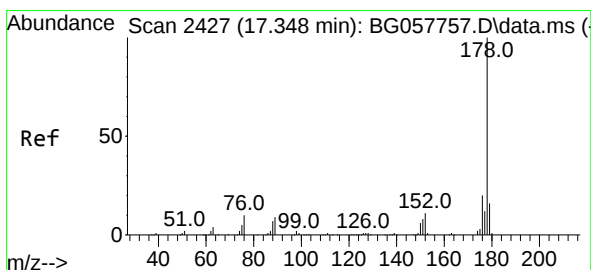
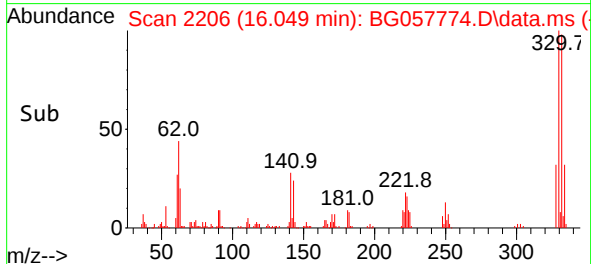
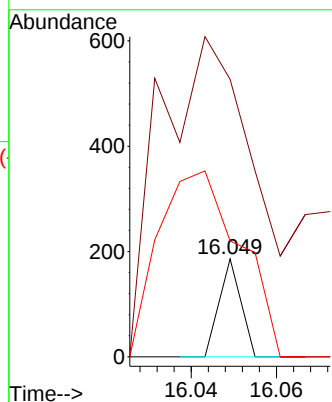
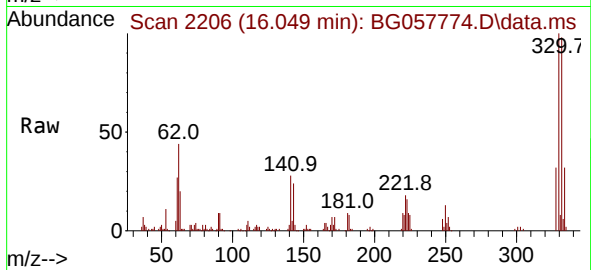




#65
4,6-Dinitro-2-methylphenol
Concen: 5.360 ng
RT: 16.049 min Scan# 2143
Delta R.T. 0.370 min
Lab File: BG057774.D
Acq: 20 Jun 2023 13:28

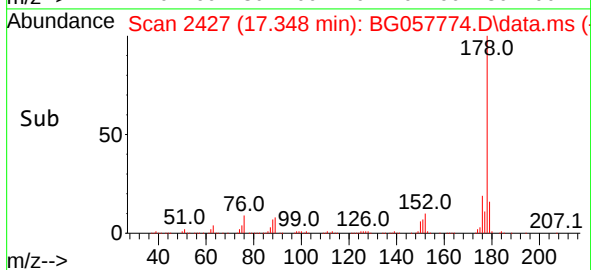
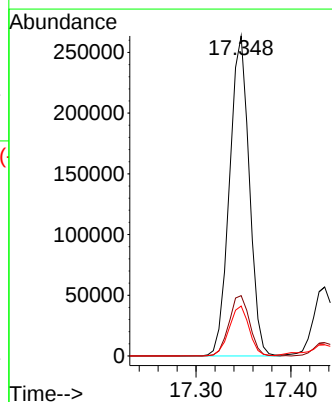
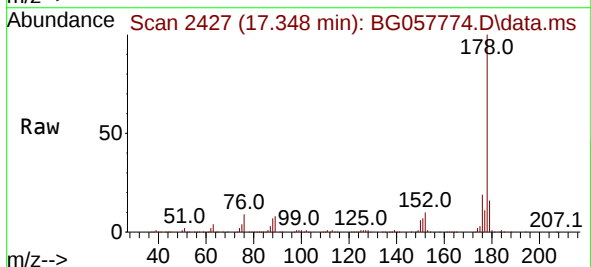
Instrument :
BNA_G
ClientSampleId :
SB-01-0-2.0

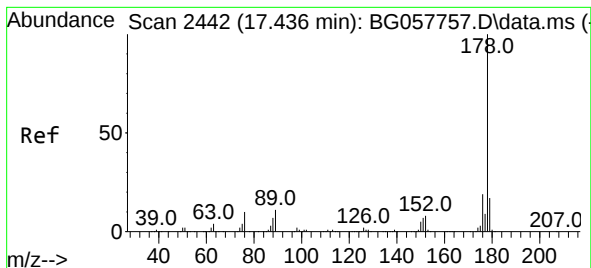
Tgt Ion:198 Resp: 66
Ion Ratio Lower Upper
198 100
51 283.3 36.6 76.6#
105 118.3 24.3 64.3#



#71
Phenanthrene
Concen: 29.741 ng
RT: 17.348 min Scan# 2427
Delta R.T. 0.000 min
Lab File: BG057774.D
Acq: 20 Jun 2023 13:28

Tgt Ion:178 Resp: 381064
Ion Ratio Lower Upper
178 100
176 18.8 16.3 24.5
179 15.6 13.0 19.6





#72

Anthracene

Concen: 6.398 ng

RT: 17.436 min Scan# 2442

Delta R.T. 0.000 min

Lab File: BG057774.D

Acq: 20 Jun 2023 13:28

Instrument :

BNA_G

ClientSampleId :

SB-01-0-2.0

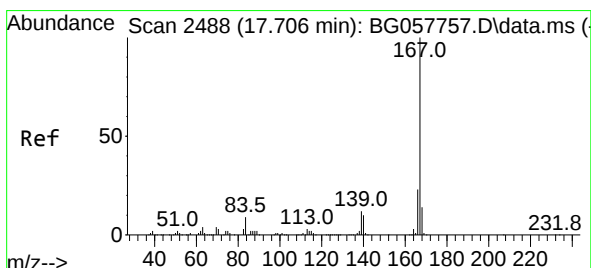
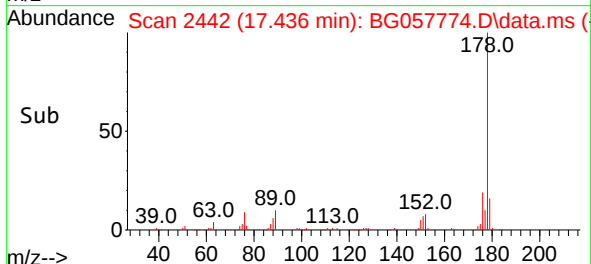
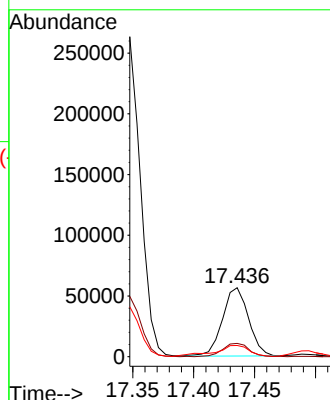
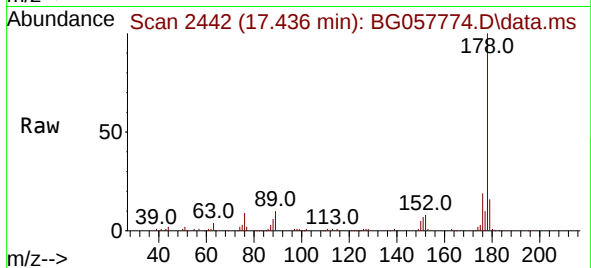
Tgt Ion:178 Resp: 83703

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.0

179 16.4 13.3 19.9



#73

Carbazole

Concen: 3.000 ng

RT: 17.700 min Scan# 2487

Delta R.T. -0.006 min

Lab File: BG057774.D

Acq: 20 Jun 2023 13:28

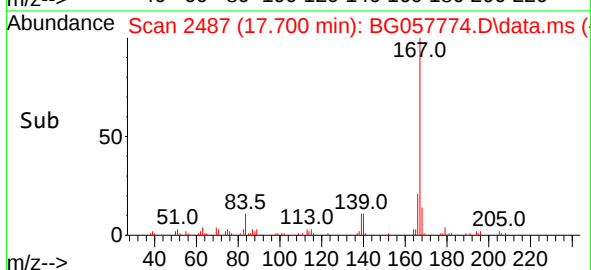
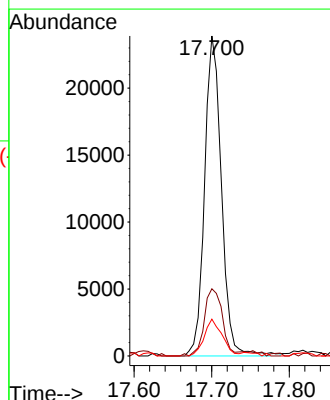
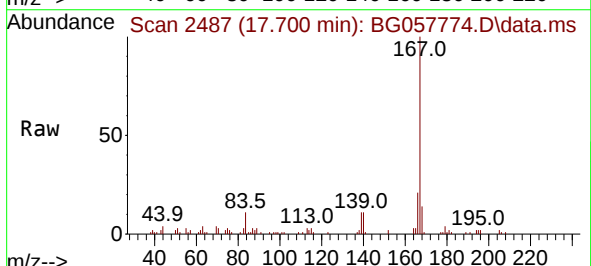
Tgt Ion:167 Resp: 36189

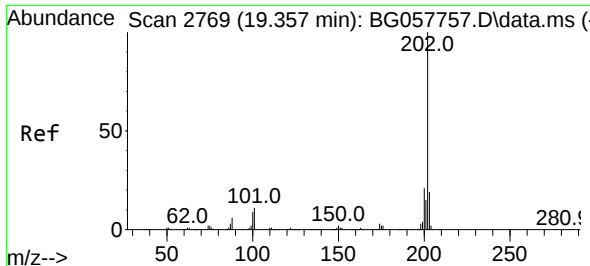
Ion Ratio Lower Upper

167 100

166 21.0 18.4 27.6

139 11.5 9.9 14.9

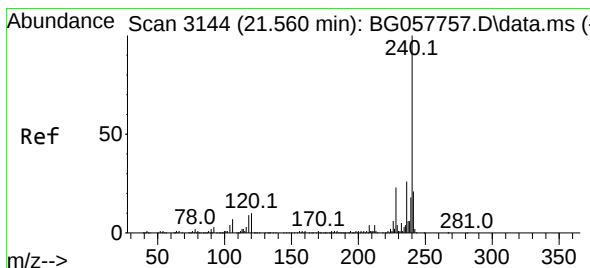
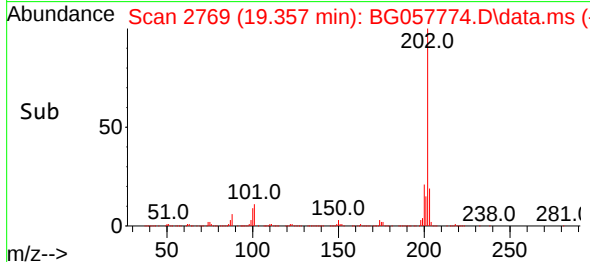
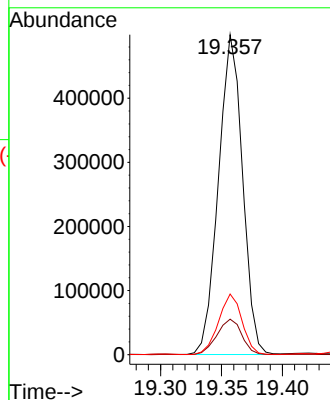
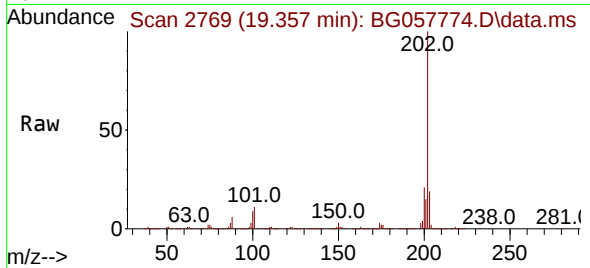




#75
Fluoranthene
Concen: 44.950 ng
RT: 19.357 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG057774.D
Acq: 20 Jun 2023 13:28

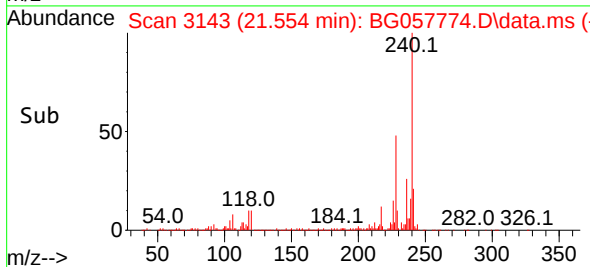
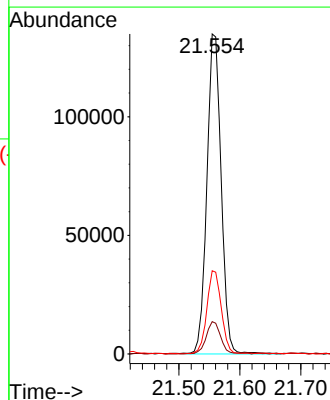
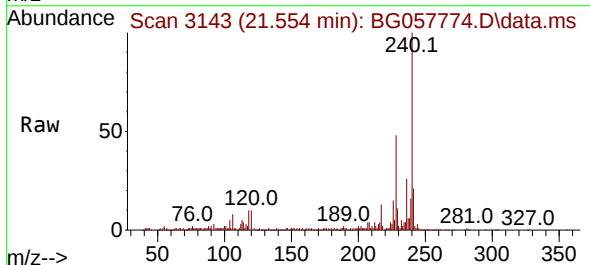
Instrument :
BNA_G
ClientSampleId :
SB-01-0-2.0

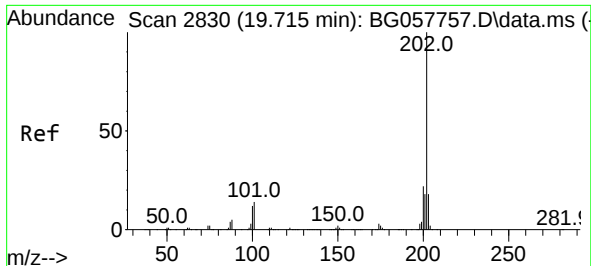
Tgt Ion:202 Resp: 686092
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.3
203 19.0 0.0 38.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.554 min Scan# 3143
Delta R.T. -0.006 min
Lab File: BG057774.D
Acq: 20 Jun 2023 13:28

Tgt Ion:240 Resp: 220085
Ion Ratio Lower Upper
240 100
120 10.1 8.1 12.1
236 26.0 20.6 30.8

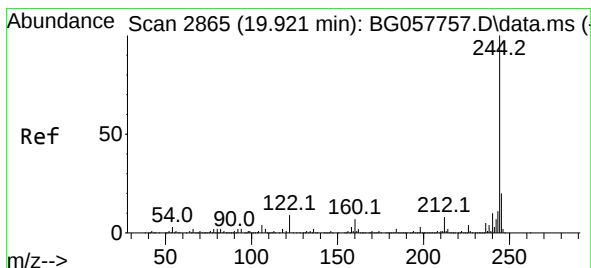
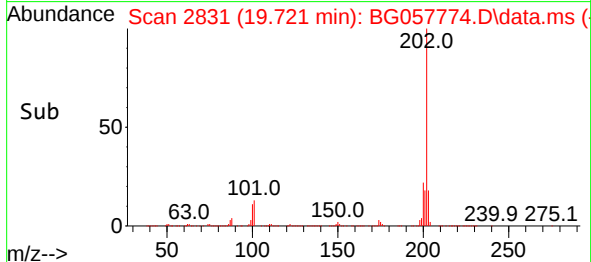
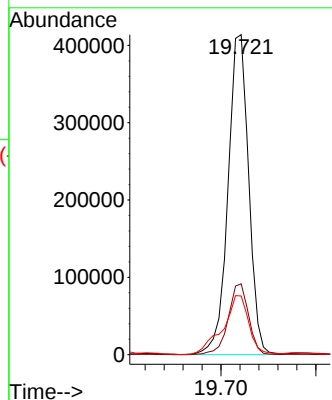
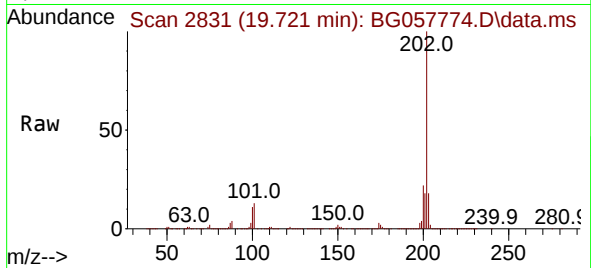




#78
Pyrene
Concen: 39.858 ng
RT: 19.721 min Scan# 2831
Delta R.T. 0.006 min
Lab File: BG057774.D
Acq: 20 Jun 2023 13:28

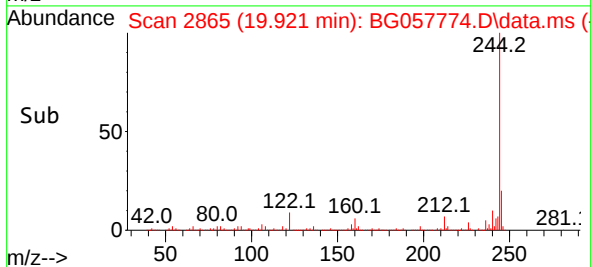
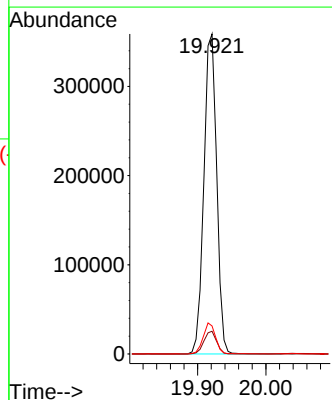
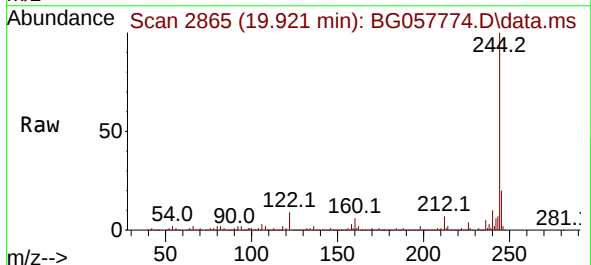
Instrument :
BNA_G
ClientSampleId :
SB-01-0-2.0

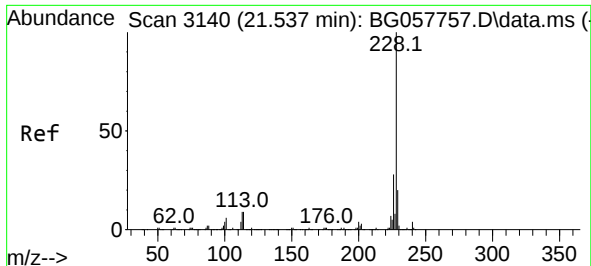
Tgt Ion:202 Resp: 625767
Ion Ratio Lower Upper
202 100
200 22.2 17.4 26.0
203 18.3 14.6 22.0



#79
Terphenyl-d14
Concen: 39.741 ng
RT: 19.921 min Scan# 2865
Delta R.T. 0.000 min
Lab File: BG057774.D
Acq: 20 Jun 2023 13:28

Tgt Ion:244 Resp: 469063
Ion Ratio Lower Upper
244 100
212 7.1 6.1 9.1
122 8.8 7.6 11.4

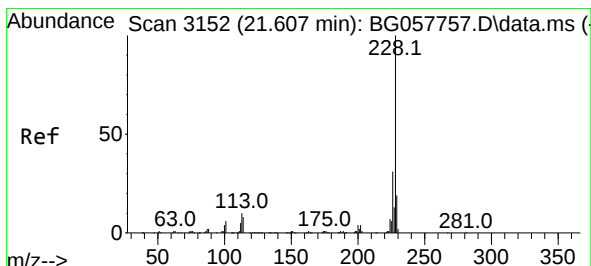
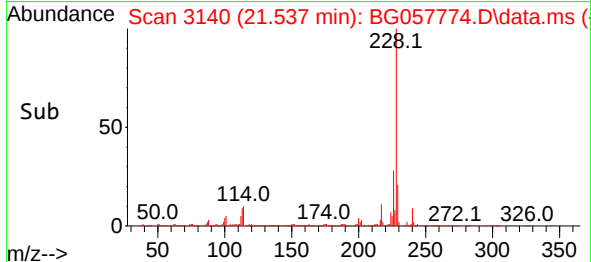
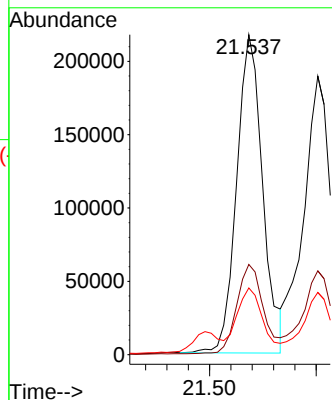
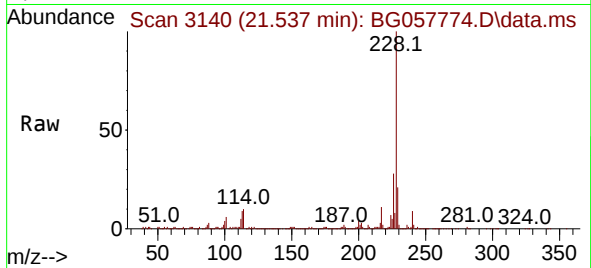




#81
Benzo(a)anthracene
Concen: 24.324 ng
RT: 21.537 min Scan# 3140
Delta R.T. 0.000 min
Lab File: BG057774.D
Acq: 20 Jun 2023 13:28

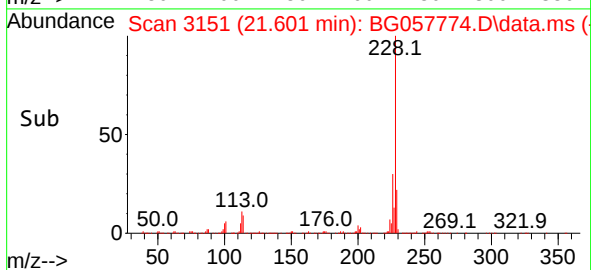
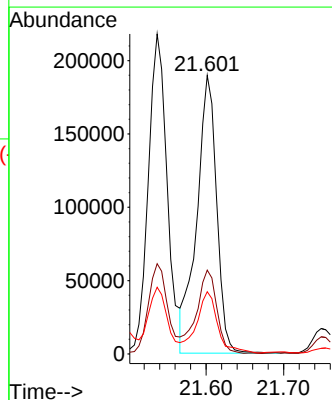
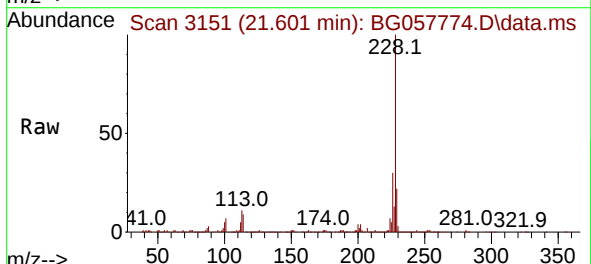
Instrument :
BNA_G
ClientSampleId :
SB-01-0-2.0

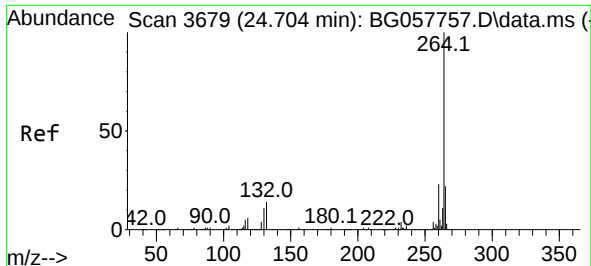
Tgt Ion:228 Resp: 367286
Ion Ratio Lower Upper
228 100
226 28.2 22.3 33.5
229 20.8 16.3 24.5



#83
Chrysene
Concen: 23.272 ng
RT: 21.601 min Scan# 3151
Delta R.T. -0.006 min
Lab File: BG057774.D
Acq: 20 Jun 2023 13:28

Tgt Ion:228 Resp: 337246
Ion Ratio Lower Upper
228 100
226 30.1 24.8 37.2
229 22.4 15.6 23.4

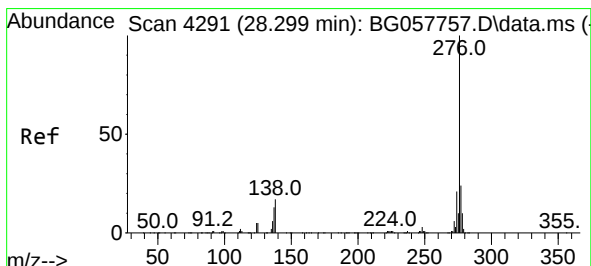
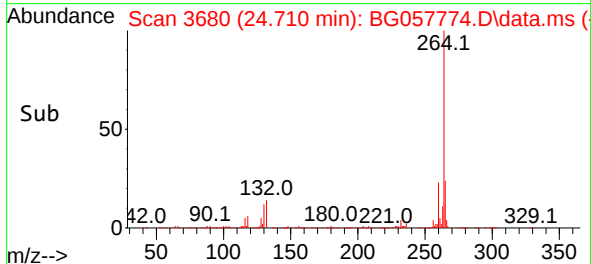
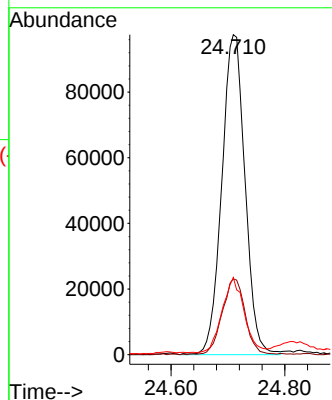
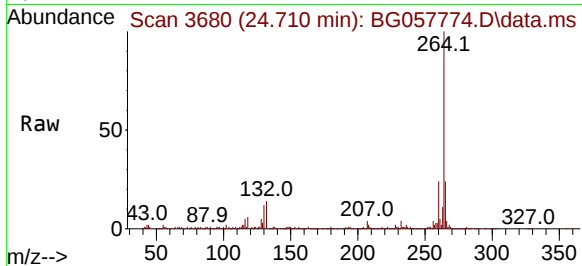




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.710 min Scan# 3680
 Delta R.T. 0.006 min
 Lab File: BG057774.D
 Acq: 20 Jun 2023 13:28

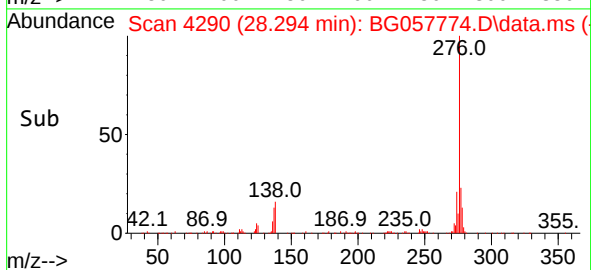
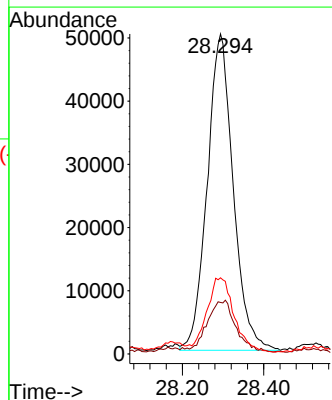
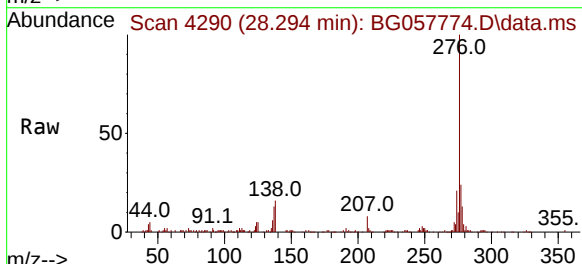
Instrument :
 BNA_G
 ClientSampleId :
 SB-01-0-2.0

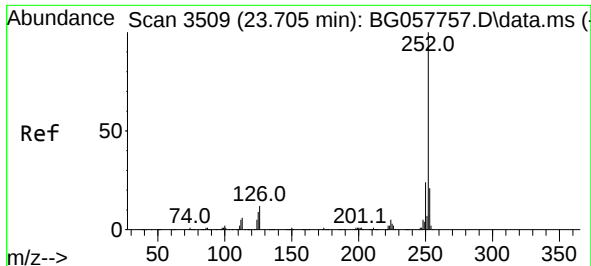
Tgt Ion:264 Resp: 276094
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.5 27.7
 265 24.1 17.4 26.2



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 12.331 ng
 RT: 28.294 min Scan# 4290
 Delta R.T. -0.006 min
 Lab File: BG057774.D
 Acq: 20 Jun 2023 13:28

Tgt Ion:276 Resp: 222592
 Ion Ratio Lower Upper
 276 100
 138 16.2 11.3 16.9
 277 24.6 20.4 30.6

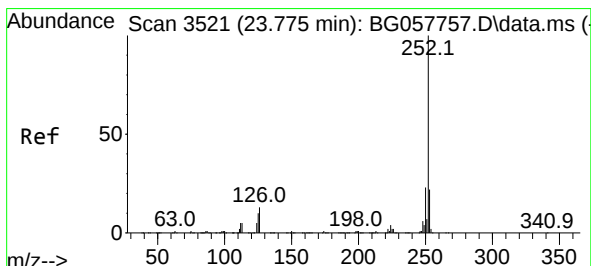
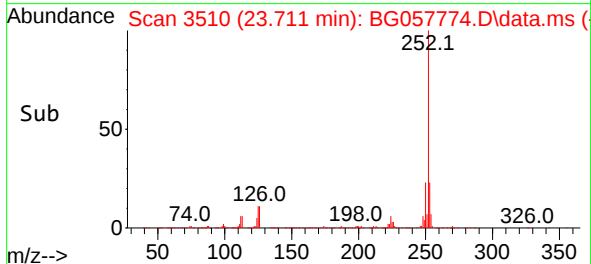
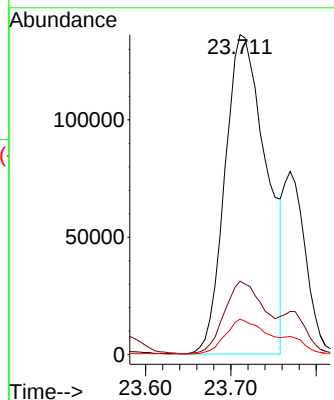
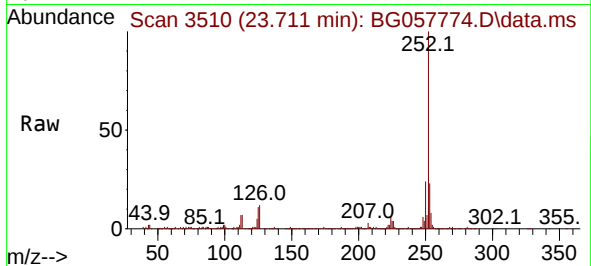




#88
Benzo(b)fluoranthene
Concen: 30.385 ng
RT: 23.711 min Scan# 3510
Delta R.T. 0.006 min
Lab File: BG057774.D
Acq: 20 Jun 2023 13:28

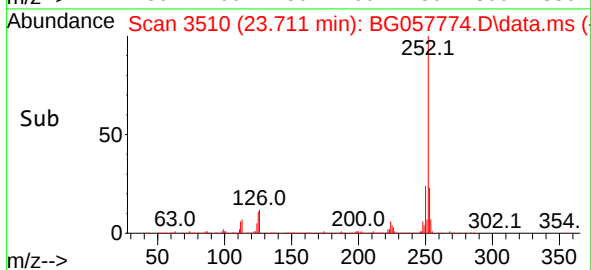
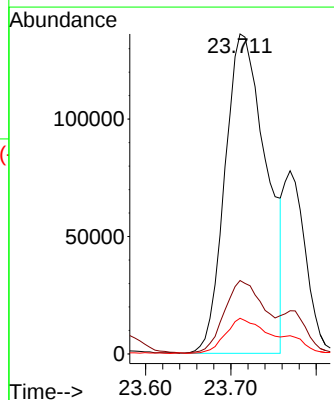
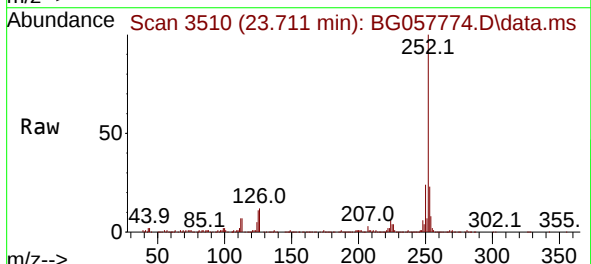
Instrument :
BNA_G
ClientSampleId :
SB-01-0-2.0

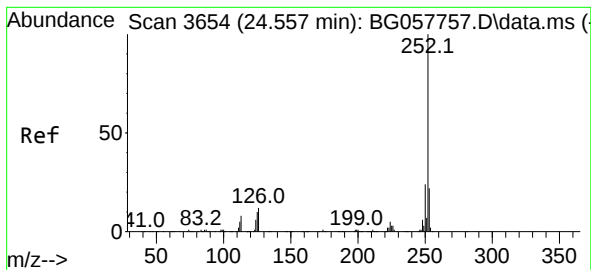
Tgt Ion:252 Resp: 459718
Ion Ratio Lower Upper
252 100
253 22.9 17.1 25.7
125 11.1 7.4 11.0#



#89
Benzo(k)fluoranthene
Concen: 29.834 ng
RT: 23.711 min Scan# 3510
Delta R.T. -0.065 min
Lab File: BG057774.D
Acq: 20 Jun 2023 13:28

Tgt Ion:252 Resp: 459718
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 11.1 7.6 11.4





#90

Benzo(a)pyrene

Concen: 21.639 ng

RT: 24.557 min Scan# 3

Delta R.T. 0.000 min

Lab File: BG057774.D

Acq: 20 Jun 2023 13:28

Instrument :

BNA_G

ClientSampleId :

SB-01-0-2.0

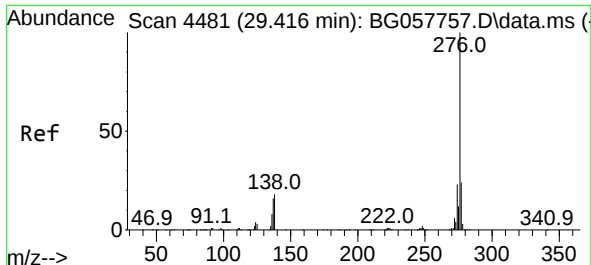
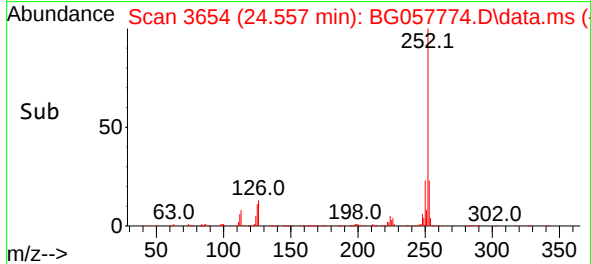
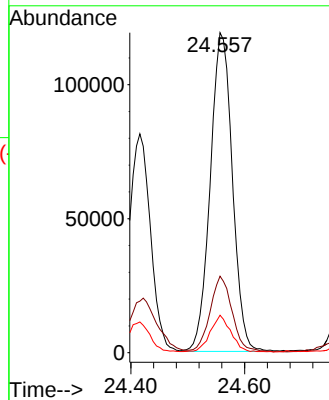
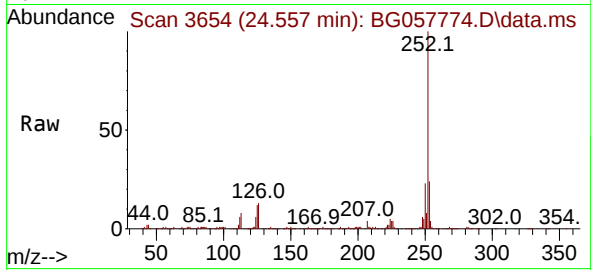
Tgt Ion:252 Resp: 321527

Ion Ratio Lower Upper

252 100

253 23.9 17.4 26.2

125 11.7 8.0 12.0



#92

Benzo(g,h,i)perylene

Concen: 14.297 ng

RT: 29.416 min Scan# 4481

Delta R.T. 0.000 min

Lab File: BG057774.D

Acq: 20 Jun 2023 13:28

Tgt Ion:276 Resp: 214409

Ion Ratio Lower Upper

276 100

277 23.3 19.4 29.0

138 19.9 14.2 21.4

