

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG061523\
 Data File : BG057733.D
 Acq On : 15 Jun 2023 20:57
 Operator : CG/JU
 Sample : 03222-07 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-SB-26

Quant Time: Jun 16 01:10:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 15 15:28:07 2023
 Response via : Initial Calibration

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

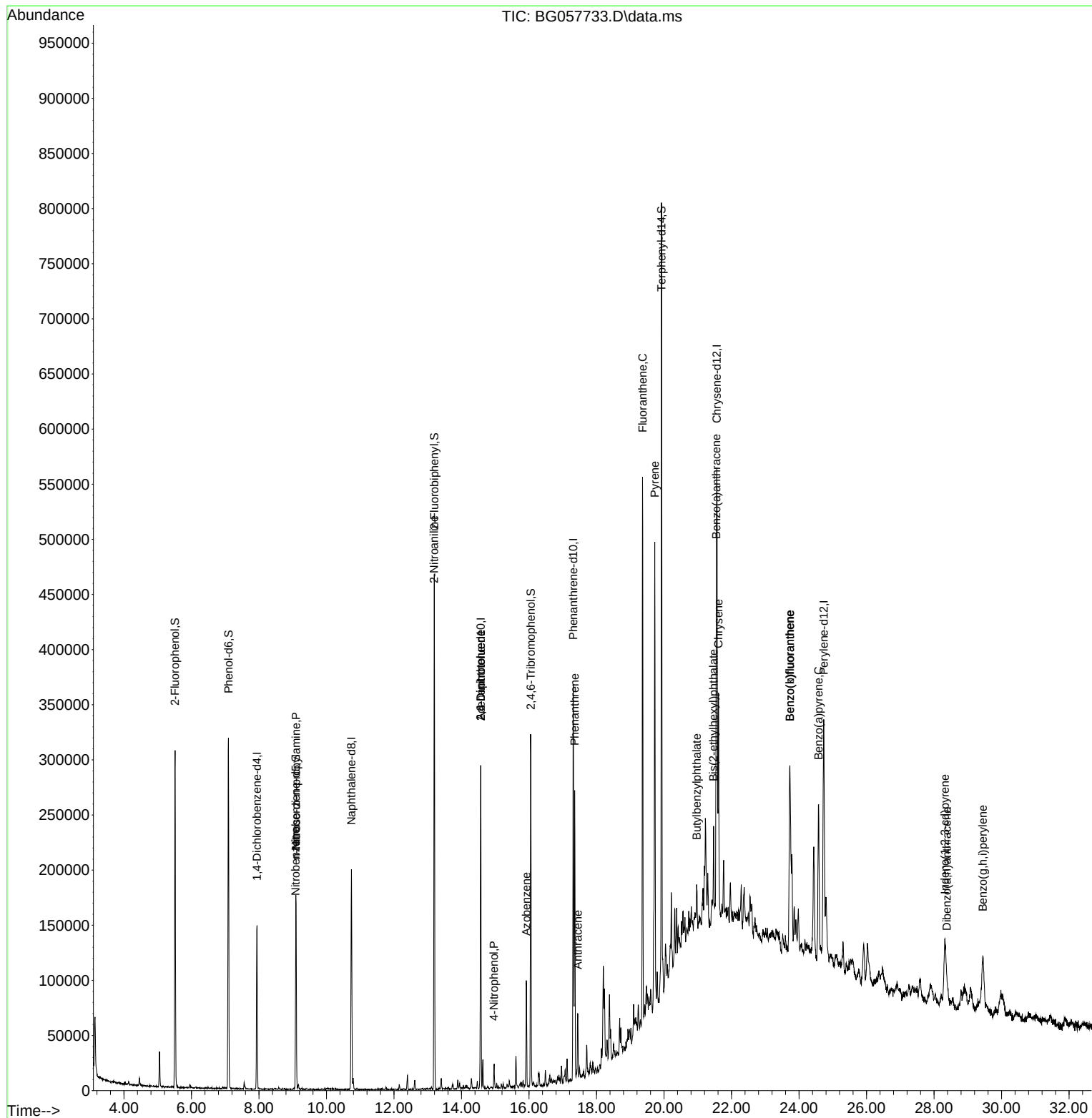
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.940	152	39818	20.000	ng	0.00
21) Naphthalene-d8	10.737	136	164346	20.000	ng	0.00
39) Acenaphthene-d10	14.568	164	103331	20.000	ng	0.00
64) Phenanthrene-d10	17.312	188	220913	20.000	ng	0.00
76) Chrysene-d12	21.565	240	186661	20.000	ng	0.00
86) Perylene-d12	24.732	264	234197	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.514	112	133978	54.788	ng	0.00
7) Phenol-d6	7.094	99	184072	48.998	ng	0.00
23) Nitrobenzene-d5	9.092	82	101212	46.222	ng	0.00
42) 2,4,6-Tribromophenol	16.054	330	61393	53.255	ng	0.00
45) 2-Fluorobiphenyl	13.193	172	244622	35.288	ng	0.00
79) Terphenyl-d14	19.926	244	361215	35.778	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.098	70	13286	4.891	ng	# 76
24) Nitrobenzene	9.086	77	124	5.114	ng	# 44
48) 2-Nitroaniline	13.187	65	262	4.294	ng	# 1
51) 2,6-Dinitrotoluene	14.568	165	13733	17.970	ng	# 12
56) 4-Nitrophenol	14.961	139	3764	8.158	ng	# 1
57) 2,4-Dinitrotoluene	14.568	165	13733	14.908	ng	# 15
63) Azobenzene	15.919	77	26659	3.170	ng	# 1
71) Phenanthrene	17.353	178	157186	14.581	ng	99
72) Anthracene	17.447	178	38454	3.521	ng	99
75) Fluoranthene	19.362	202	288640	22.226	ng	99
78) Pyrene	19.726	202	264350	19.904	ng	99
80) Butylbenzylphthalate	20.966	149	674	4.234	ng	87
81) Benzo(a)anthracene	21.548	228	155606	12.071	ng	94
83) Chrysene	21.612	228	139499	11.371	ng	96
84) Bis(2-ethylhexyl)phtha...	21.465	149	32356	4.945	ng	# 98
87) Indeno(1,2,3-cd)pyrene	28.322	276	104126	6.871	ng	# 96
88) Benzo(b)fluoranthene	23.728	252	202386	15.930	ng	# 92
89) Benzo(k)fluoranthene	23.728	252	202386	15.359	ng	# 90
90) Benzo(a)pyrene	24.579	252	152579	12.214	ng	# 95
91) Dibenzo(a,h)anthracene	28.375	278	28416	2.269	ng	# 83
92) Benzo(g,h,i)perylene	29.444	276	105387	8.432	ng	95

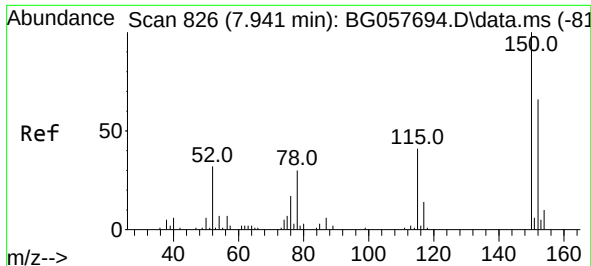
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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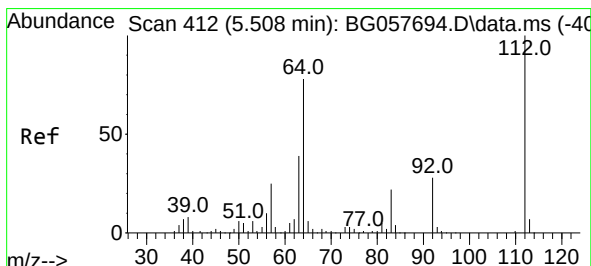
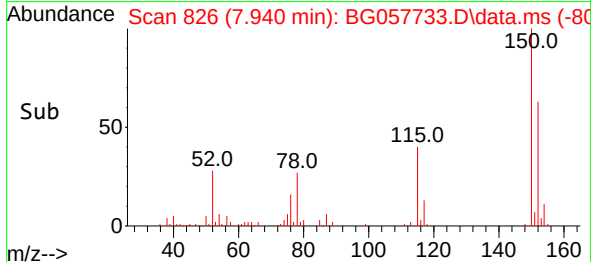
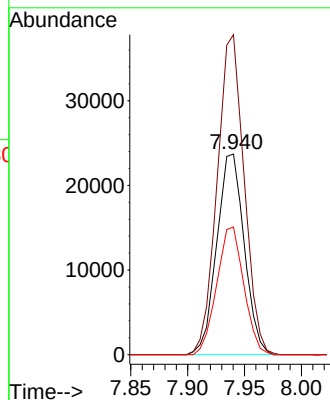
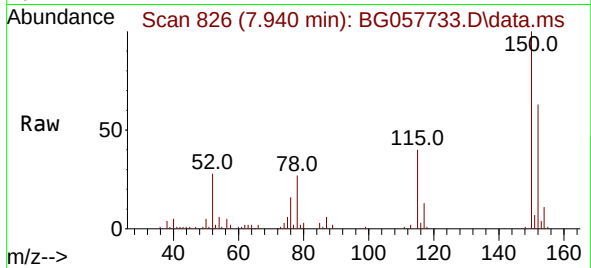




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.940 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57

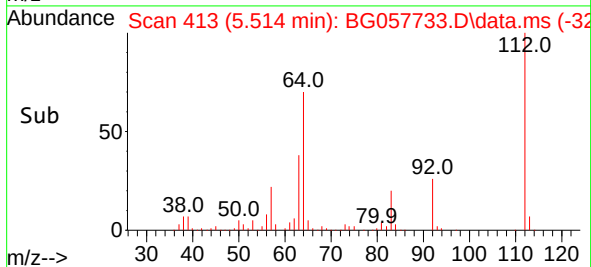
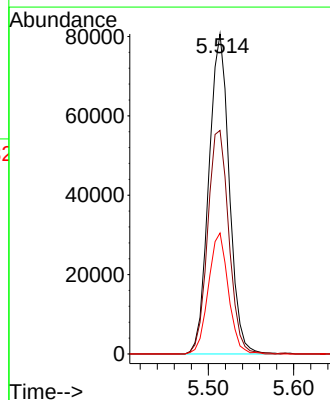
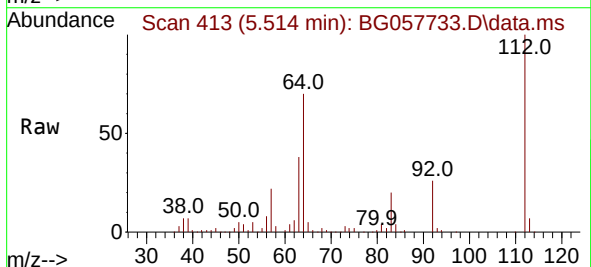
Instrument :
BNA_G
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COMP-SB-26

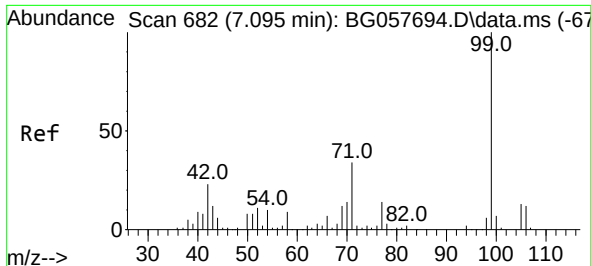
Tgt Ion:152 Resp: 39818
Ion Ratio Lower Upper
152 100
150 159.4 120.8 181.2
115 63.6 49.4 74.2



#5
2-Fluorophenol
Concen: 54.788 ng
RT: 5.514 min Scan# 413
Delta R.T. 0.004 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57

Tgt Ion:112 Resp: 133978
Ion Ratio Lower Upper
112 100
64 69.8 62.3 93.5
63 37.8 31.5 47.3

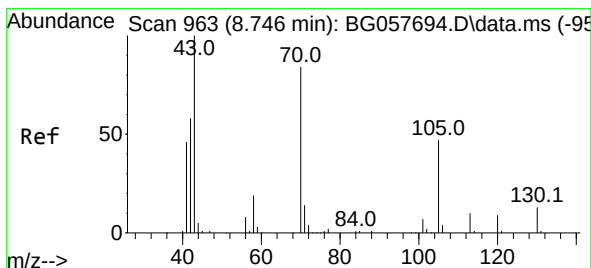
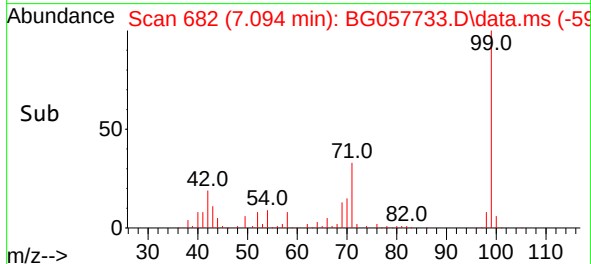
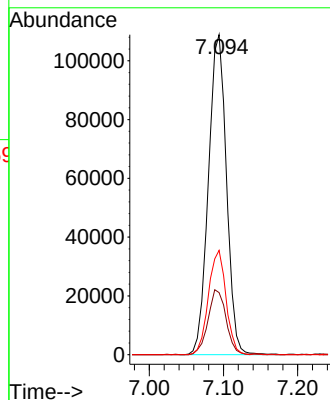
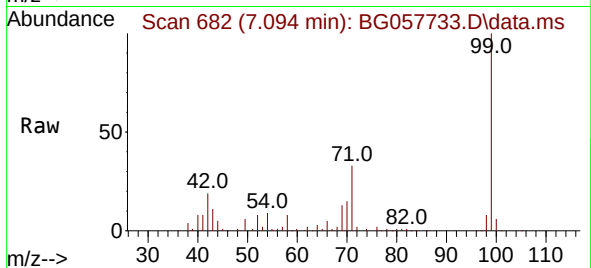




#7
Phenol-d6
Concen: 48.998 ng
RT: 7.094 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57

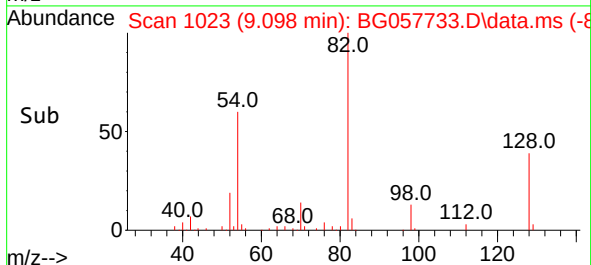
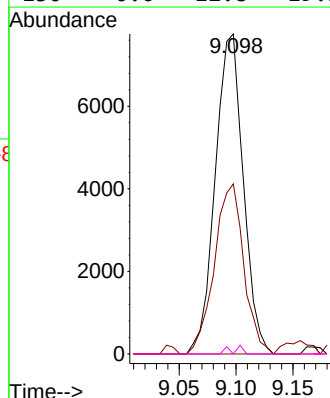
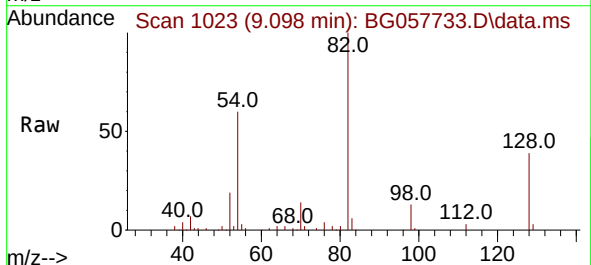
Instrument :
BNA_G
ClientSampleId :
COMP-SB-26

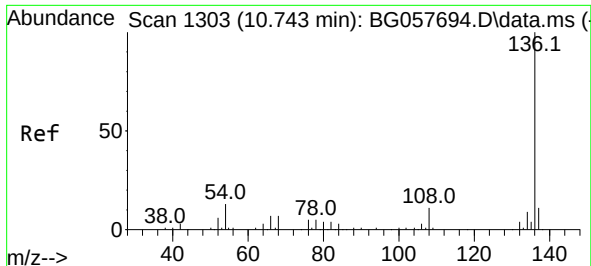
Tgt Ion: 99 Resp: 184072
Ion Ratio Lower Upper
99 100
42 19.4 18.3 27.5
71 32.6 27.5 41.3



#19
n-Nitroso-di-n-propylamine
Concen: 4.891 ng
RT: 9.098 min Scan# 1023
Delta R.T. 0.351 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57

Tgt Ion: 70 Resp: 13286
Ion Ratio Lower Upper
70 100
42 53.2 56.6 84.8#
101 0.0 6.2 9.4#
130 0.0 12.8 19.2#





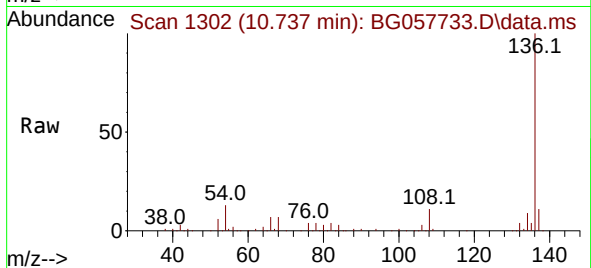
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.737 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57

Instrument :

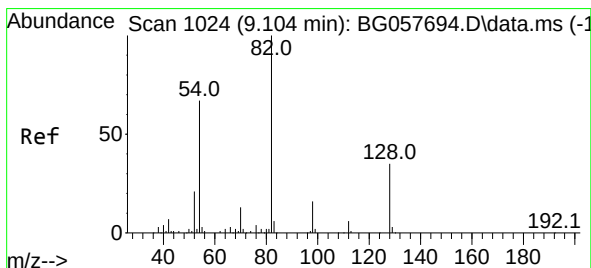
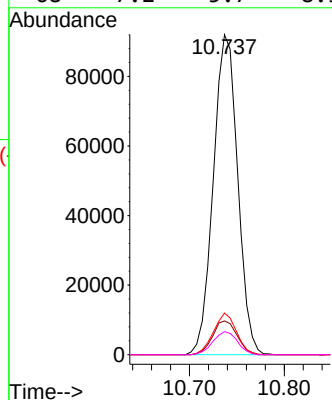
BNA_G

ClientSampleId :

COMP-SB-26

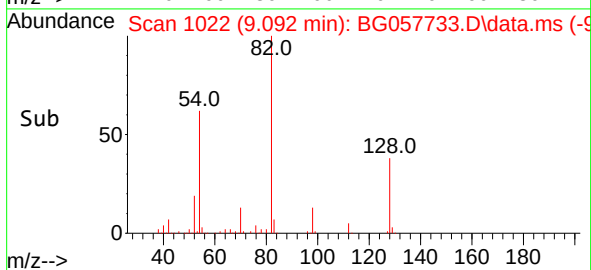
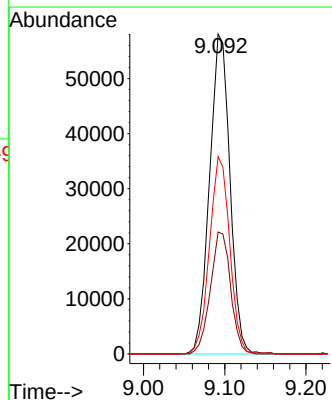
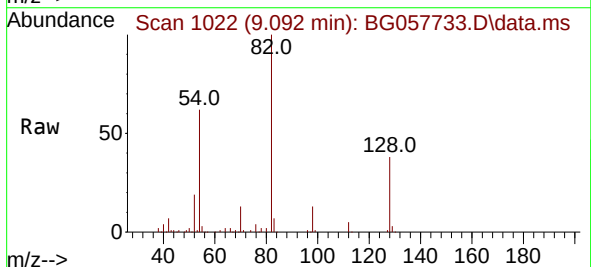


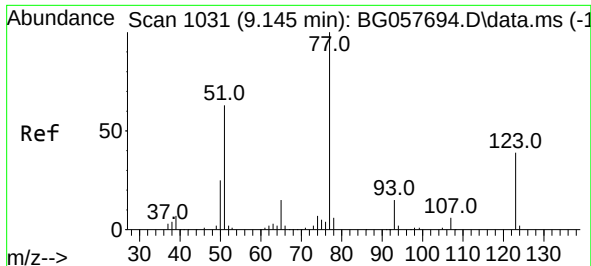
Tgt Ion:	136	Resp:	164346
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.6	13.0
54	13.0	10.8	16.2
68	7.2	5.7	8.5



#23
Nitrobenzene-d5
Concen: 46.222 ng
RT: 9.092 min Scan# 1022
Delta R.T. -0.008 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57

Tgt Ion:	82	Resp:	101212
Ion Ratio	Lower	Upper	
82	100		
128	38.1	27.7	41.5
54	61.6	53.8	80.8

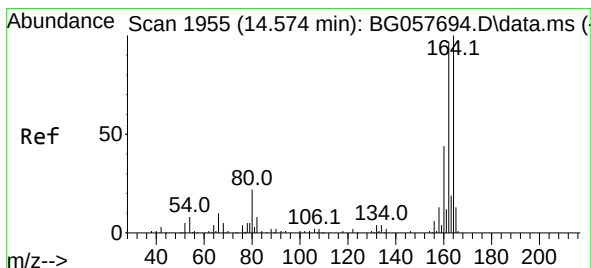
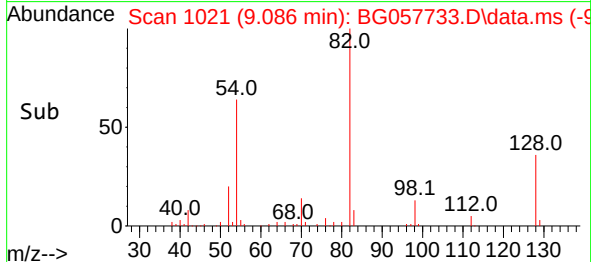
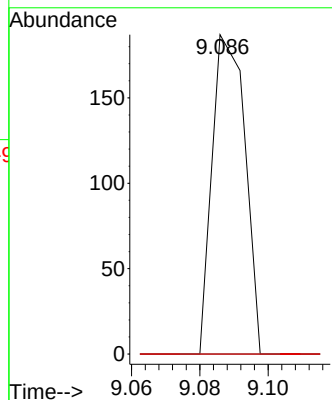
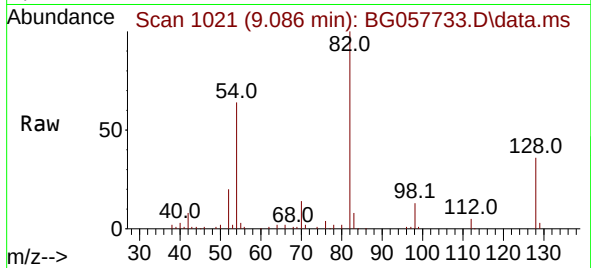




#24
Nitrobenzene
Concen: 5.114 ng
RT: 9.086 min Scan# 1021
Delta R.T. -0.061 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57

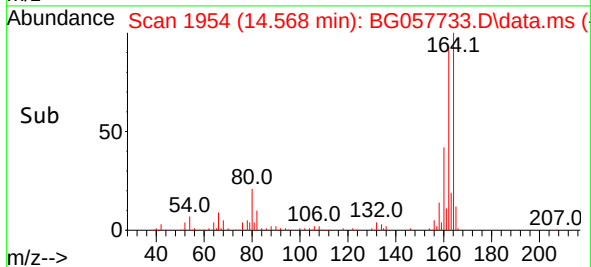
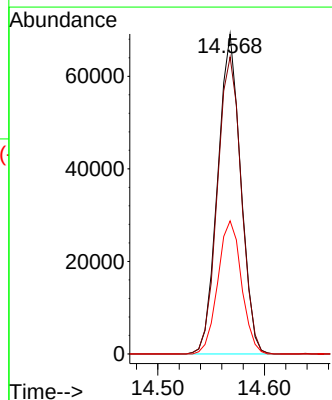
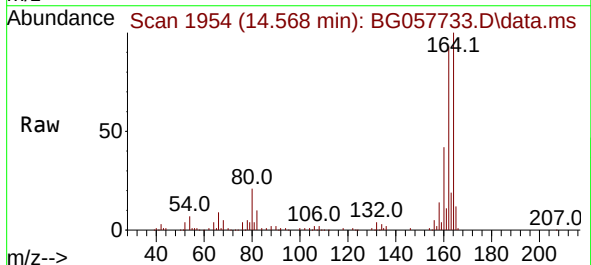
Instrument :
BNA_G
ClientSampleId :
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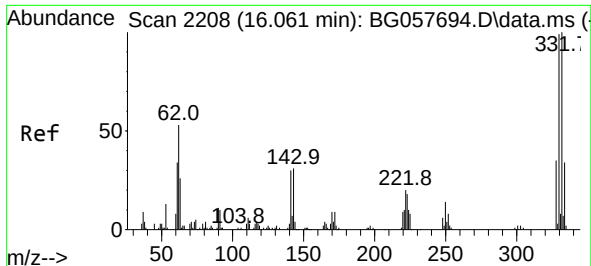
Tgt Ion: 77 Resp: 124
Ion Ratio Lower Upper
77 100
123 0.0 31.2 46.8#
65 0.0 11.6 17.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.568 min Scan# 1954
Delta R.T. -0.008 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57

Tgt Ion:164 Resp: 103331
Ion Ratio Lower Upper
164 100
162 92.8 77.7 116.5
160 41.6 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 53.255 ng

RT: 16.054 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG057733.D

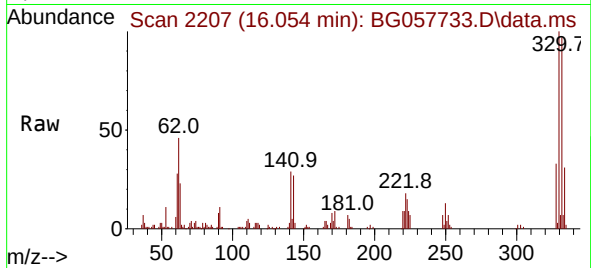
Acq: 15 Jun 2023 20:57

Instrument :

BNA_G

ClientSampleId :

COMP-SB-26



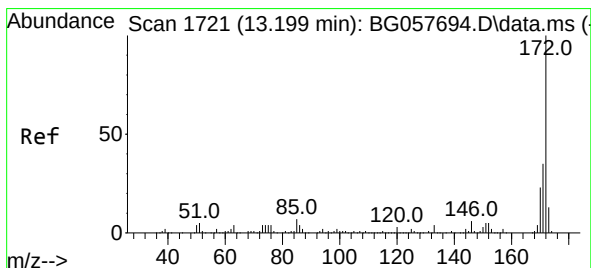
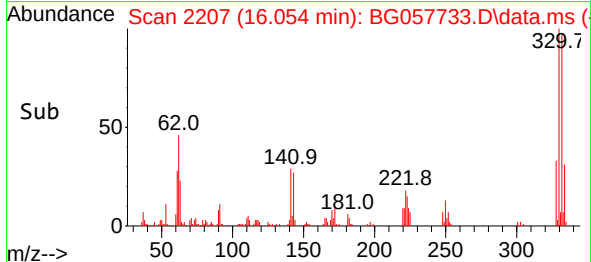
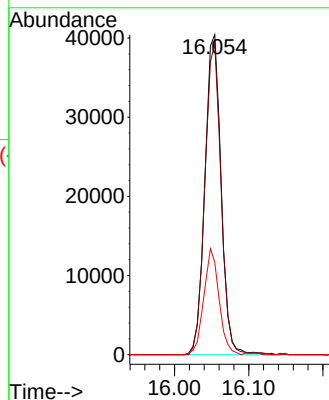
Tgt Ion:330 Resp: 61393

Ion Ratio Lower Upper

330 100

332 96.9 79.0 118.6

141 31.2 25.0 37.6



#45

2-Fluorobiphenyl

Concen: 35.288 ng

RT: 13.193 min Scan# 1720

Delta R.T. -0.008 min

Lab File: BG057733.D

Acq: 15 Jun 2023 20:57

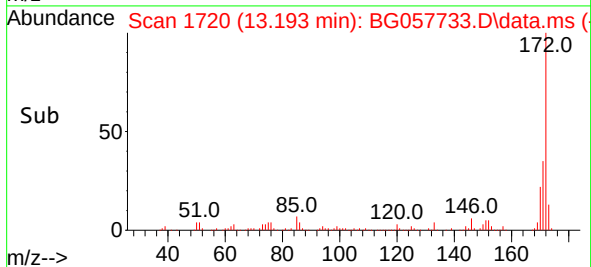
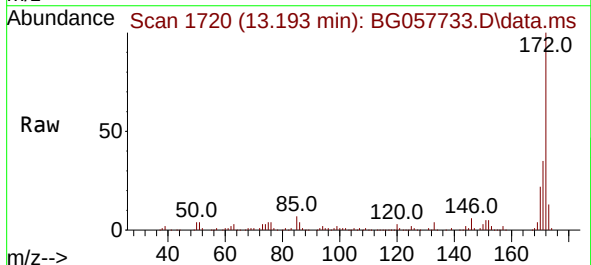
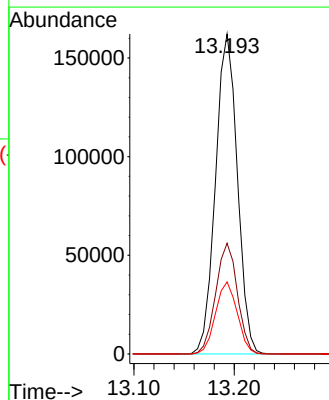
Tgt Ion:172 Resp: 244622

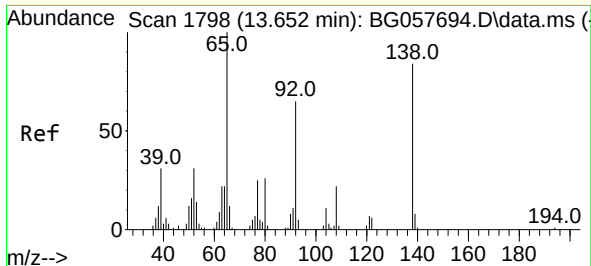
Ion Ratio Lower Upper

172 100

171 34.6 27.9 41.9

170 22.5 18.2 27.4

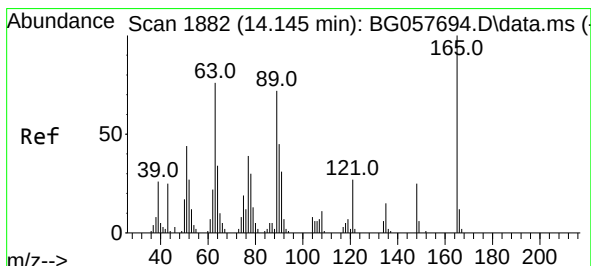
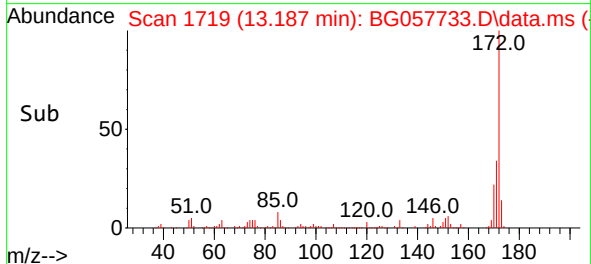
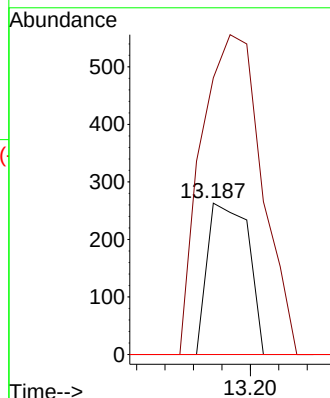
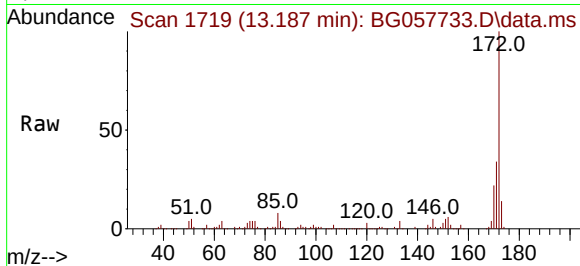




#48
2-Nitroaniline
Concen: 4.294 ng
RT: 13.187 min Scan# 11
Delta R.T. -0.466 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57

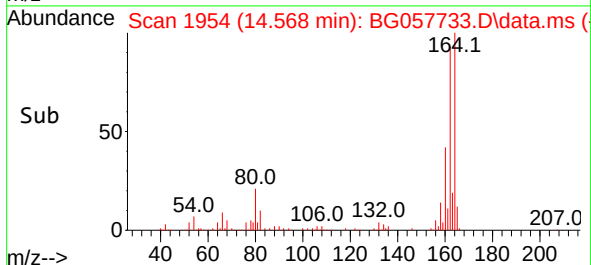
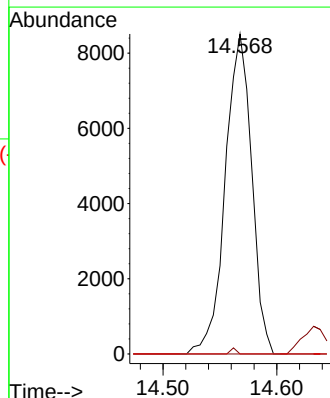
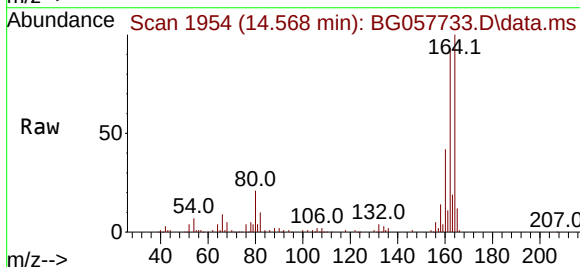
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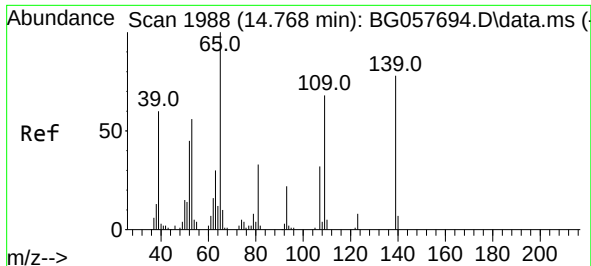
Tgt Ion: 65 Resp: 262
Ion Ratio Lower Upper
65 100
92 182.9 52.2 78.4#
138 0.0 67.0 100.4#



#51
2,6-Dinitrotoluene
Concen: 17.970 ng
RT: 14.568 min Scan# 1954
Delta R.T. 0.421 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57

Tgt Ion:165 Resp: 13733
Ion Ratio Lower Upper
165 100
63 0.0 62.3 93.5#
89 0.0 57.4 86.0#

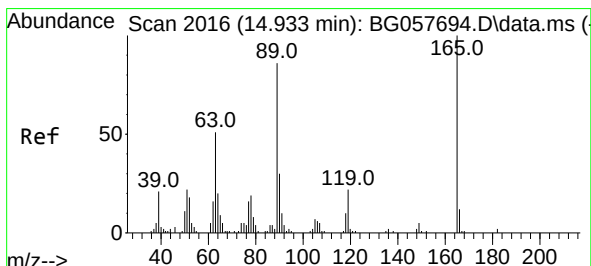
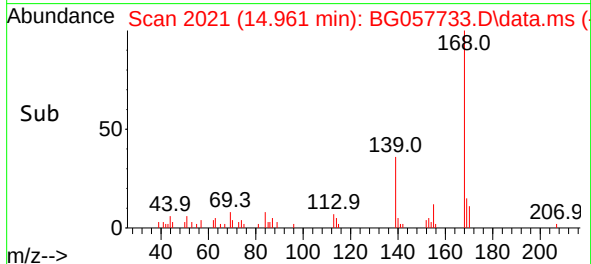
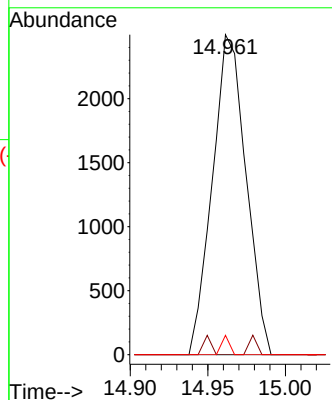
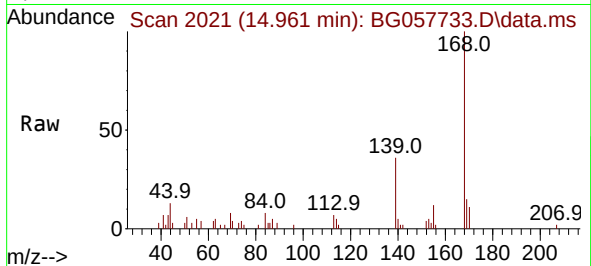




#56
4-Nitrophenol
Concen: 8.158 ng
RT: 14.961 min Scan# 20
Delta R.T. 0.192 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57

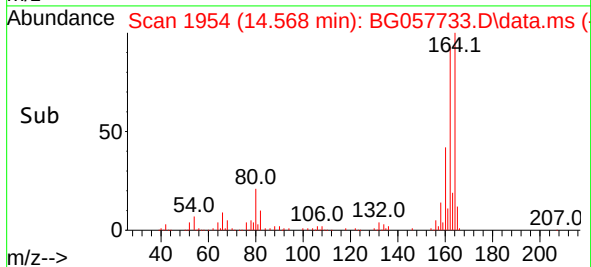
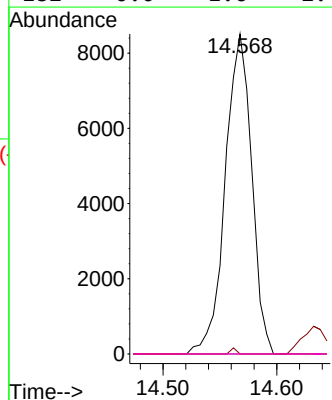
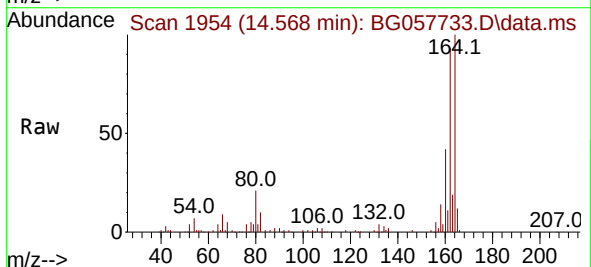
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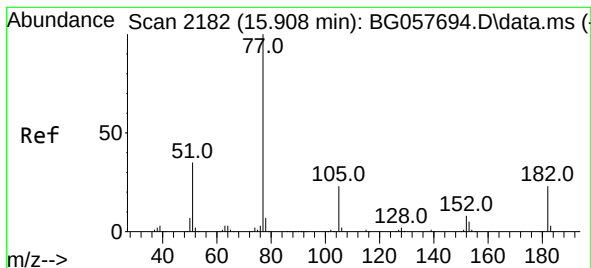
Tgt Ion:139 Resp: 3764
Ion Ratio Lower Upper
139 100
109 0.0 67.3 107.3#
65 6.0 108.3 148.3#



#57
2,4-Dinitrotoluene
Concen: 14.908 ng
RT: 14.568 min Scan# 1954
Delta R.T. -0.366 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57

Tgt Ion:165 Resp: 13733
Ion Ratio Lower Upper
165 100
63 0.0 40.8 61.2#
89 0.0 68.5 102.7#
182 0.0 1.6 2.4#





#63

Azobenzene

Concen: 3.170 ng

RT: 15.919 min Scan# 2184

Delta R.T. 0.010 min

Lab File: BG057733.D

Acq: 15 Jun 2023 20:57

Instrument :

BNA_G

ClientSampleId :

COMP-SB-26

Tgt Ion: 77 Resp: 26659

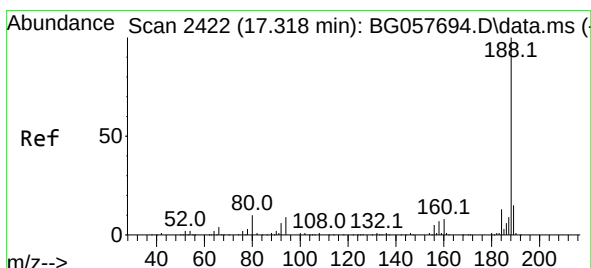
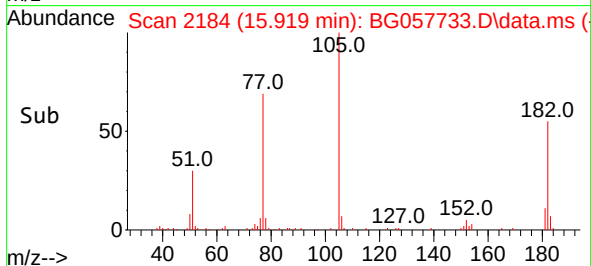
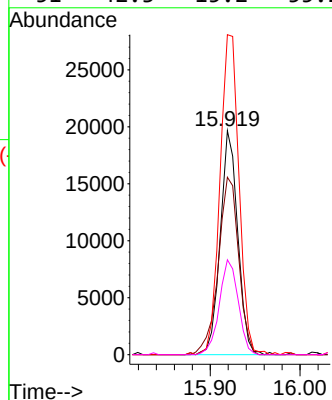
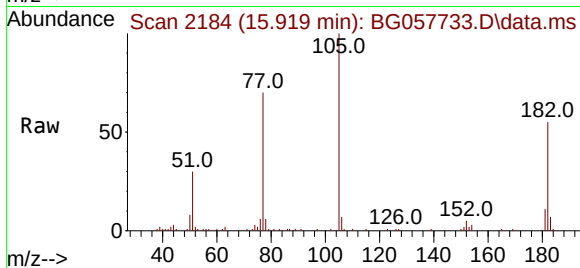
Ion Ratio Lower Upper

77 100

182 79.2 3.2 43.2#

105 142.9 3.3 43.3#

51 42.3 15.2 55.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.312 min Scan# 2421

Delta R.T. -0.008 min

Lab File: BG057733.D

Acq: 15 Jun 2023 20:57

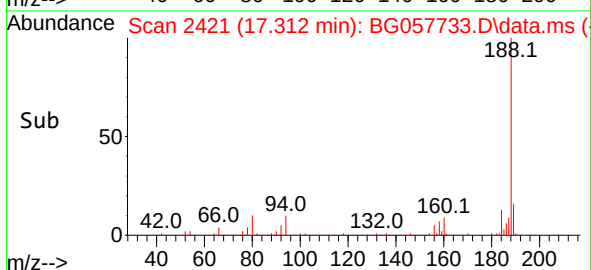
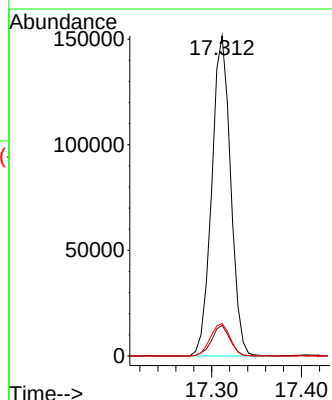
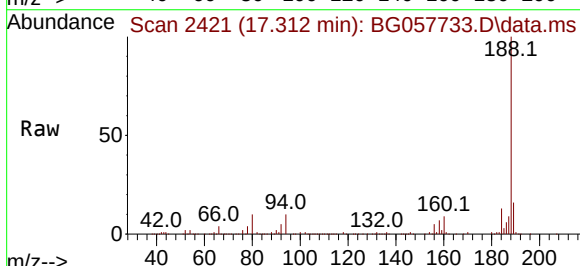
Tgt Ion: 188 Resp: 220913

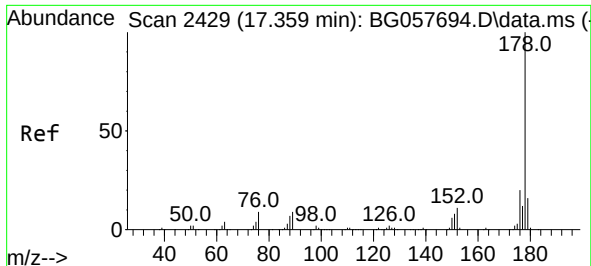
Ion Ratio Lower Upper

188 100

94 9.5 6.9 10.3

80 10.1 8.2 12.4

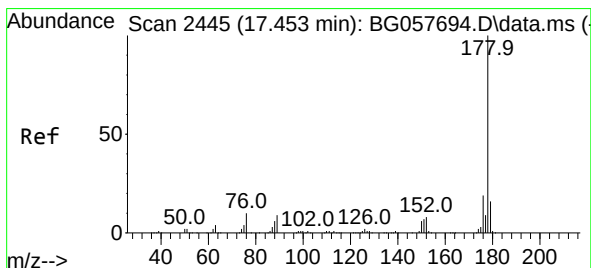
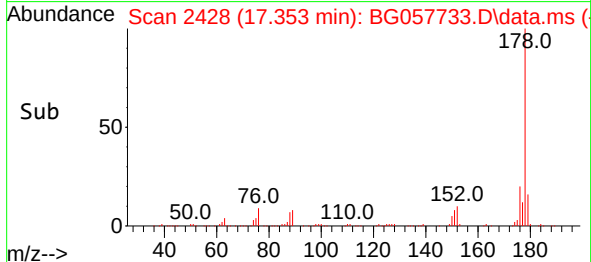
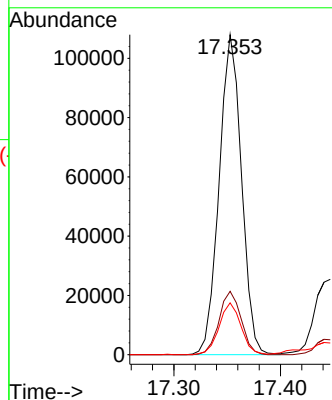
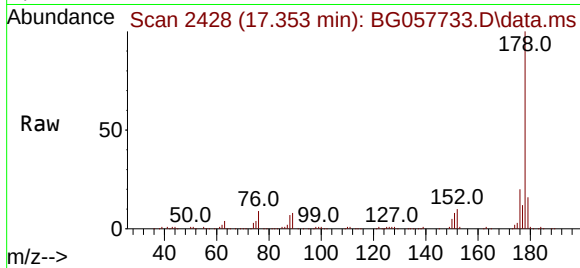




#71
Phenanthrene
Concen: 14.581 ng
RT: 17.353 min Scan# 2428
Delta R.T. -0.008 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57

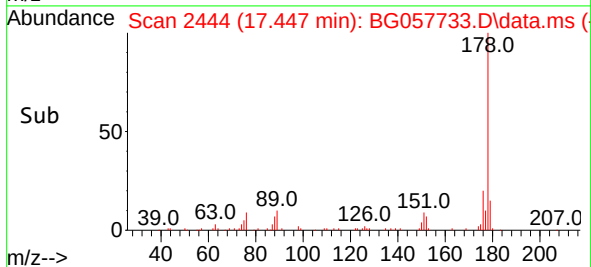
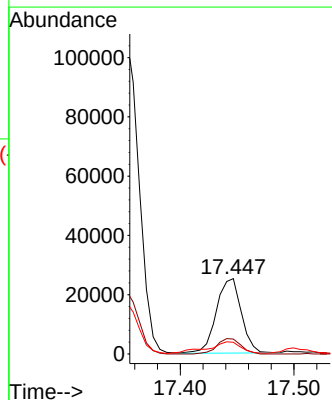
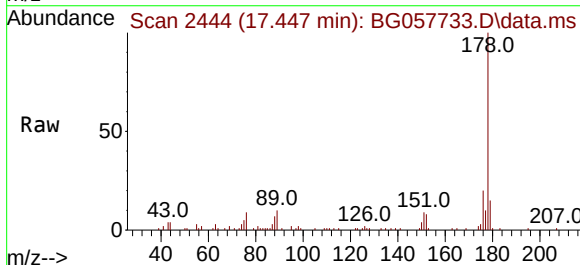
Instrument :
BNA_G
ClientSampleId :
COMP-SB-26

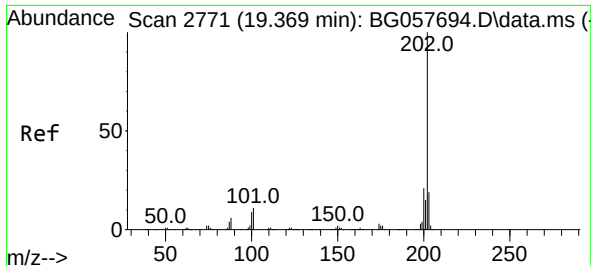
Tgt Ion:178 Resp: 157186
Ion Ratio Lower Upper
178 100
176 19.8 16.2 24.2
179 16.2 13.0 19.6



#72
Anthracene
Concen: 3.521 ng
RT: 17.447 min Scan# 2444
Delta R.T. -0.002 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57

Tgt Ion:178 Resp: 38454
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.0
179 15.4 12.9 19.3

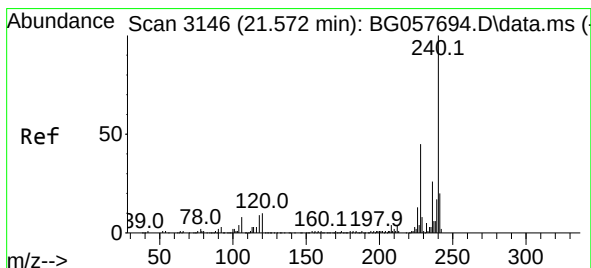
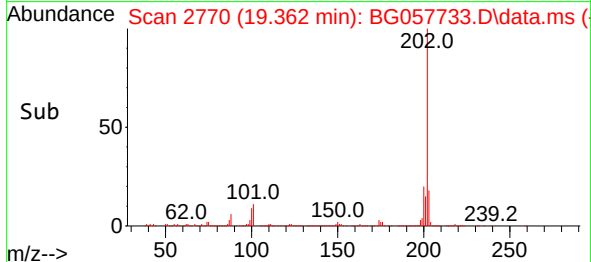
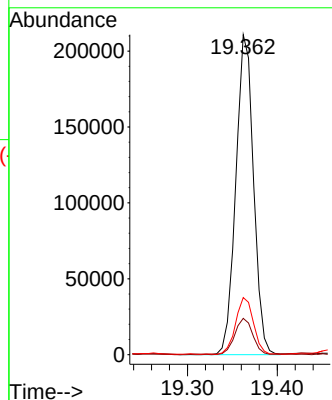
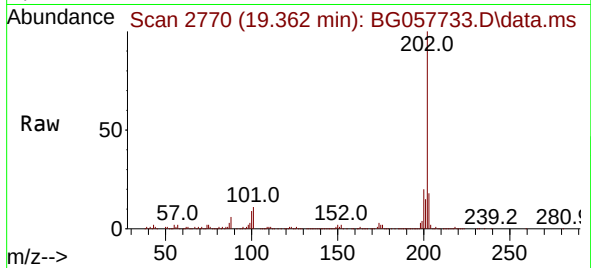




#75
Fluoranthene
Concen: 22.226 ng
RT: 19.362 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57

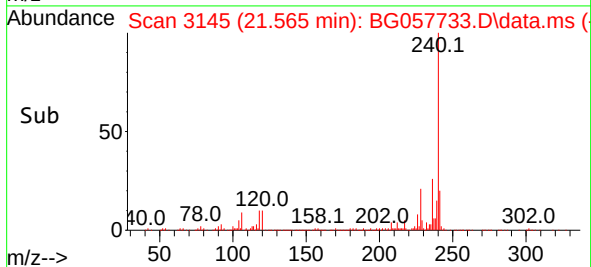
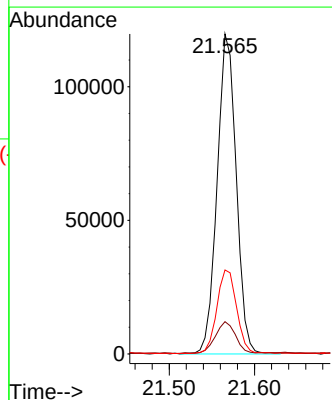
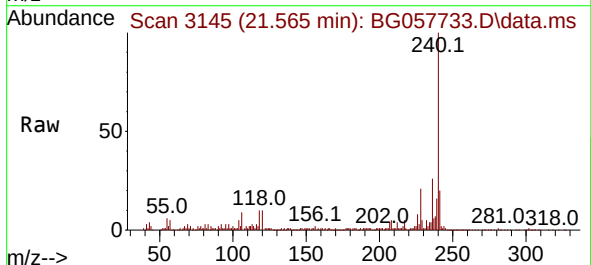
Instrument :
BNA_G
ClientSampleId :
COMP-SB-26

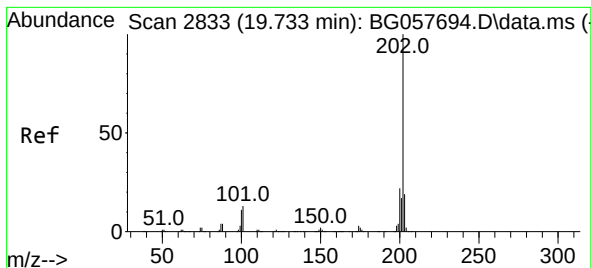
Tgt Ion:202 Resp: 288640
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.1
203 17.9 0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.565 min Scan# 3145
Delta R.T. -0.008 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57

Tgt Ion:240 Resp: 186661
Ion Ratio Lower Upper
240 100
120 10.1 8.1 12.1
236 26.3 20.7 31.1





#78

Pyrene

Concen: 19.904 ng

RT: 19.726 min Scan# 2832

Delta R.T. -0.008 min

Lab File: BG057733.D

Acq: 15 Jun 2023 20:57

Instrument :

BNA_G

ClientSampleId :

COMP-SB-26

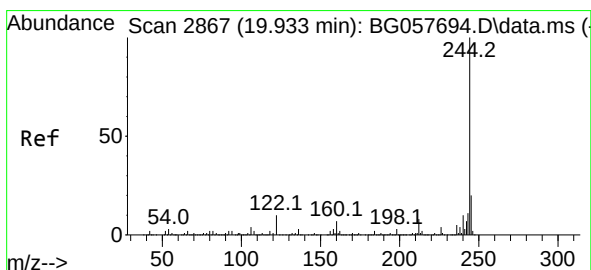
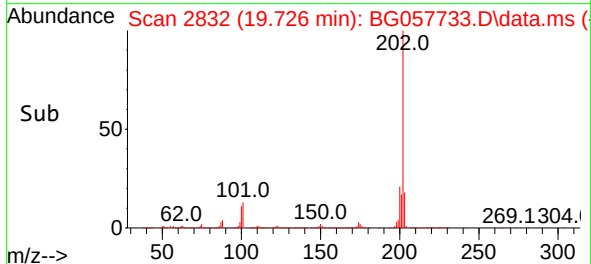
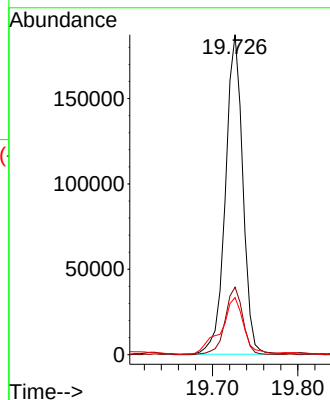
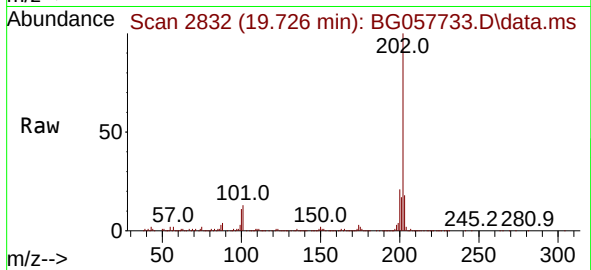
Tgt Ion:202 Resp: 264350

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.0

203 17.8 14.9 22.3



#79

Terphenyl-d14

Concen: 35.778 ng

RT: 19.926 min Scan# 2866

Delta R.T. -0.008 min

Lab File: BG057733.D

Acq: 15 Jun 2023 20:57

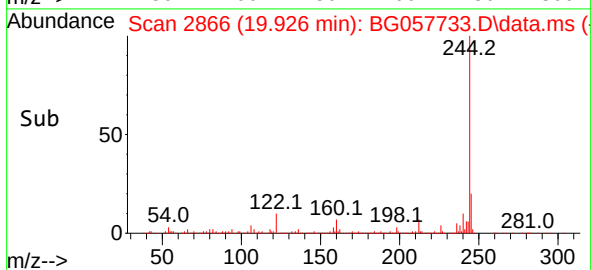
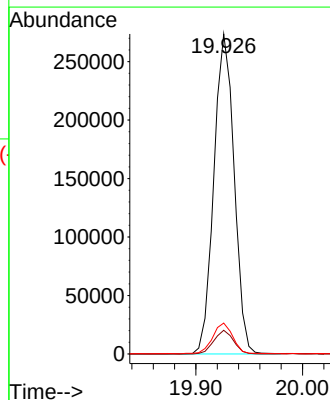
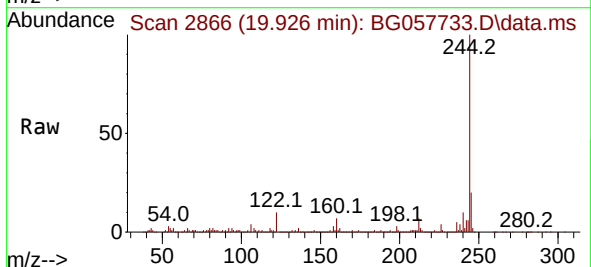
Tgt Ion:244 Resp: 361215

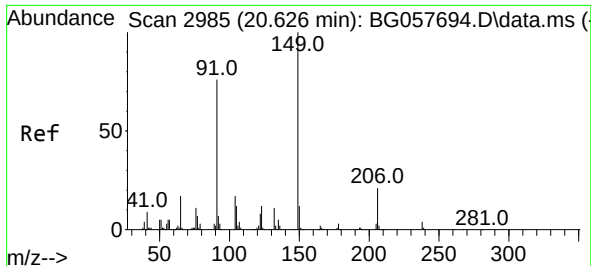
Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

122 9.7 7.7 11.5

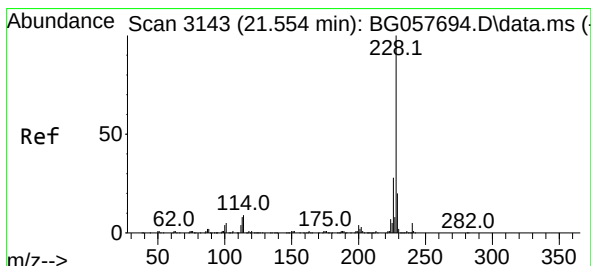
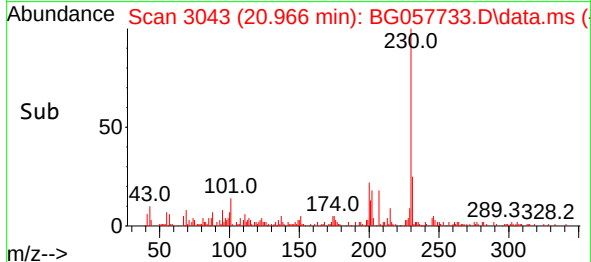
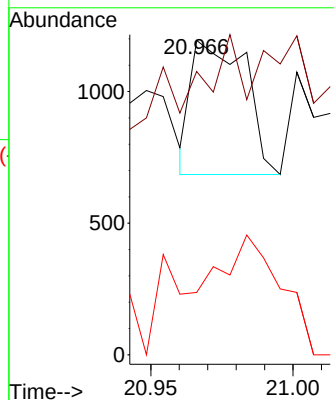
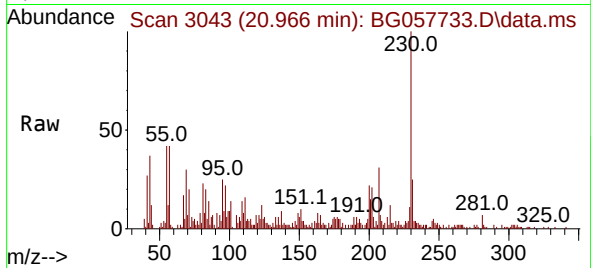




#80
Butylbenzylphthalate
Concen: 4.234 ng
RT: 20.966 min Scan# 3043
Delta R.T. 0.339 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57

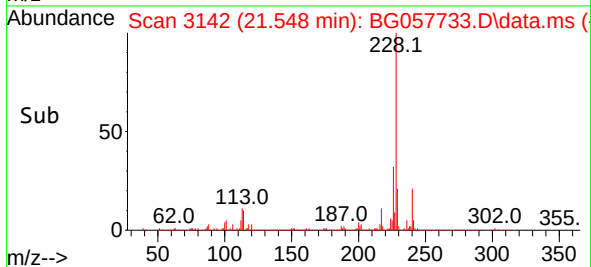
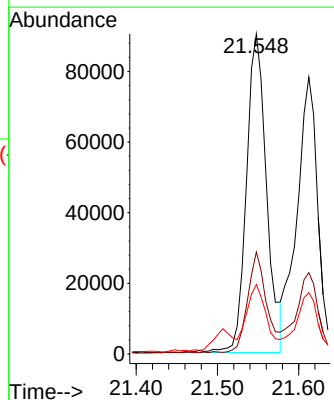
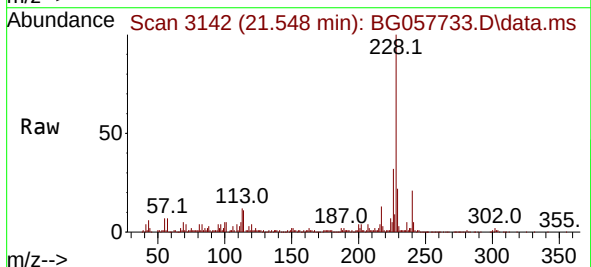
Instrument :
BNA_G
ClientSampleId :
COMP-SB-26

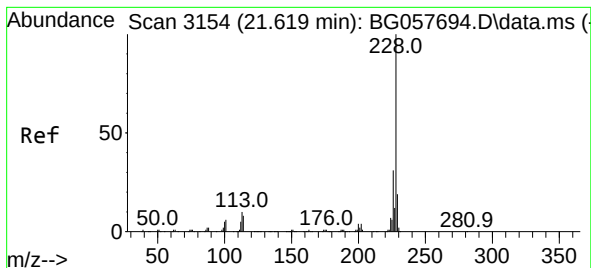
Tgt Ion:149 Resp: 674
Ion Ratio Lower Upper
149 100
91 90.1 60.8 91.2
206 19.8 16.8 25.2



#81
Benzo(a)anthracene
Concen: 12.071 ng
RT: 21.548 min Scan# 3142
Delta R.T. -0.008 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57

Tgt Ion:228 Resp: 155606
Ion Ratio Lower Upper
228 100
226 31.9 22.4 33.6
229 21.7 15.9 23.9





#83

Chrysene

Concen: 11.371 ng

RT: 21.612 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG057733.D

Acq: 15 Jun 2023 20:57

Instrument :

BNA_G

ClientSampleId :

COMP-SB-26

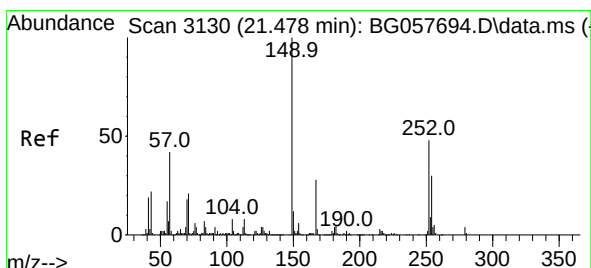
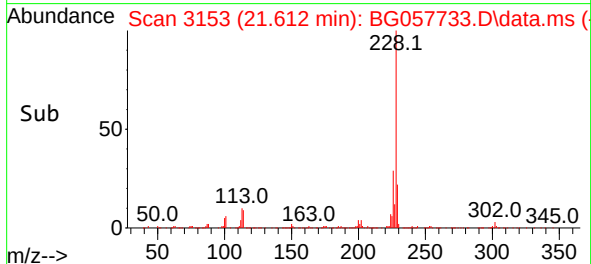
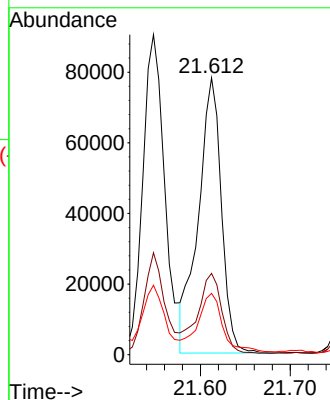
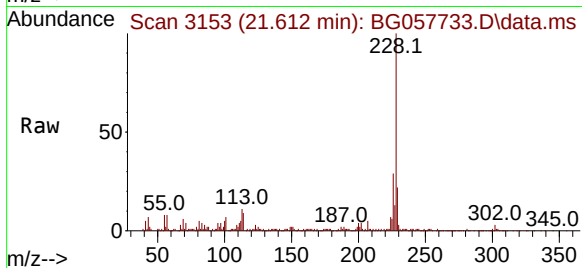
Tgt Ion:228 Resp: 139499

Ion Ratio Lower Upper

228 100

226 29.4 24.6 36.8

229 22.2 15.5 23.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.945 ng

RT: 21.465 min Scan# 3128

Delta R.T. -0.008 min

Lab File: BG057733.D

Acq: 15 Jun 2023 20:57

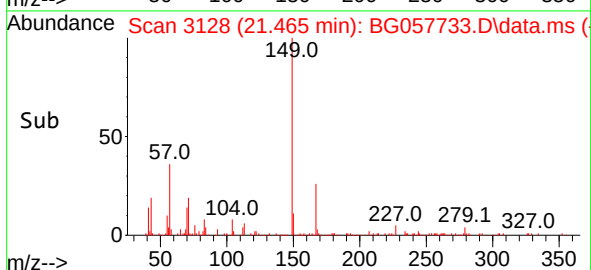
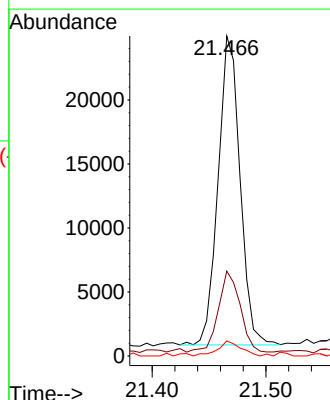
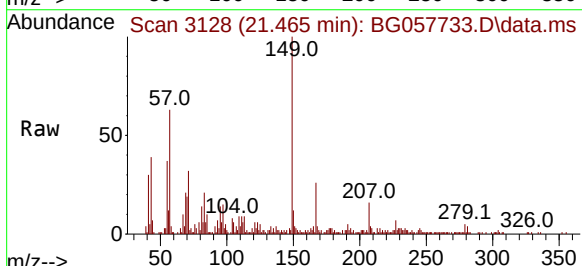
Tgt Ion:149 Resp: 32356

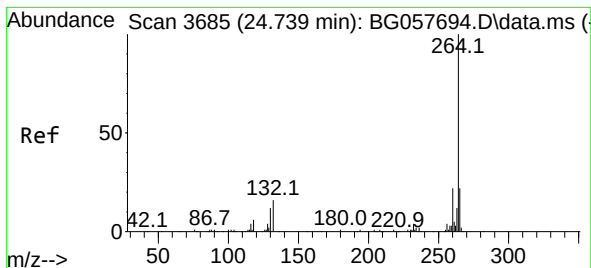
Ion Ratio Lower Upper

149 100

167 26.5 22.1 33.1

279 4.7 3.0 4.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.732 min Scan# 3

Delta R.T. -0.002 min

Lab File: BG057733.D

Acq: 15 Jun 2023 20:57

Instrument :

BNA_G

ClientSampleId :

COMP-SB-26

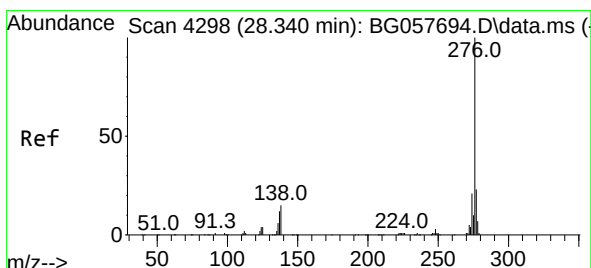
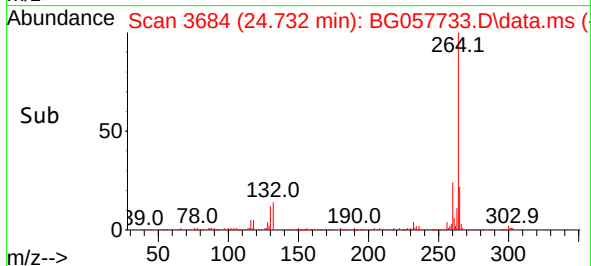
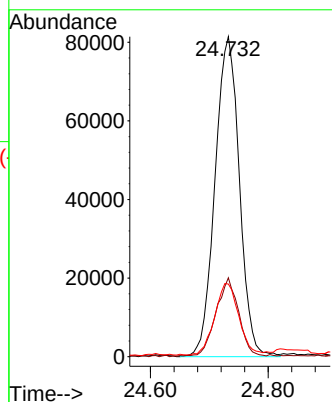
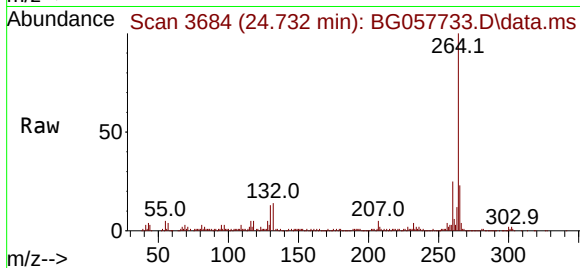
Tgt Ion:264 Resp: 234197

Ion Ratio Lower Upper

264 100

260 24.7 17.3 25.9

265 22.7 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.871 ng

RT: 28.322 min Scan# 4295

Delta R.T. -0.025 min

Lab File: BG057733.D

Acq: 15 Jun 2023 20:57

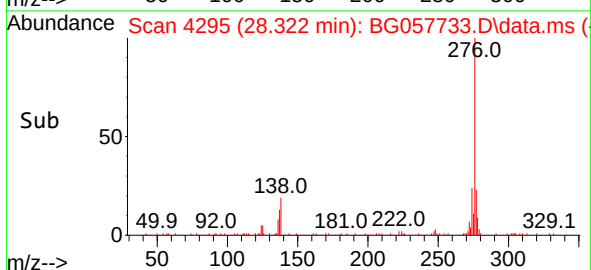
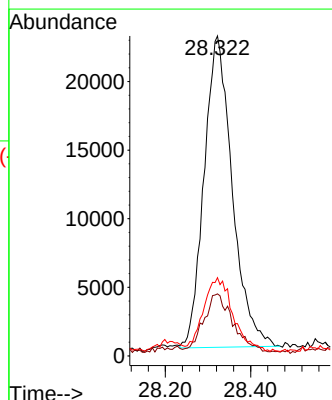
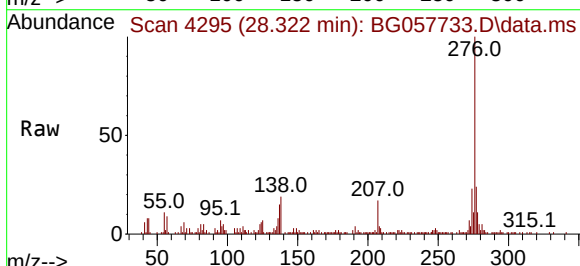
Tgt Ion:276 Resp: 104126

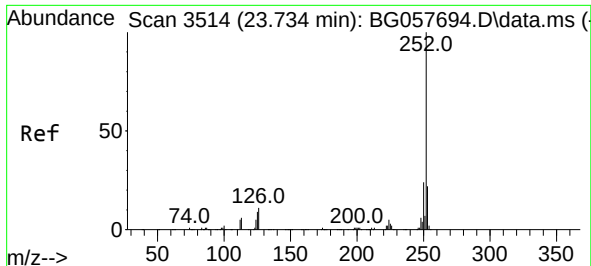
Ion Ratio Lower Upper

276 100

138 19.4 11.9 17.9#

277 24.8 20.2 30.2

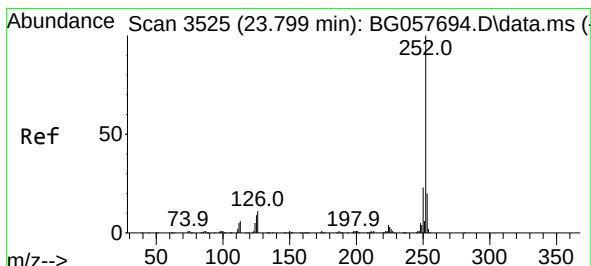
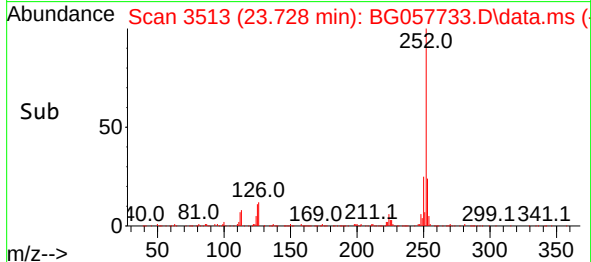
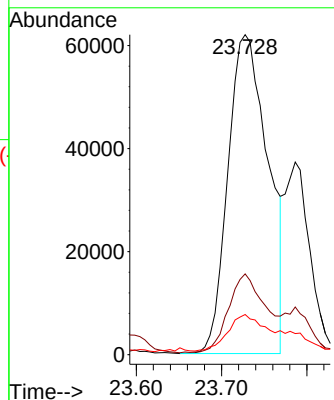
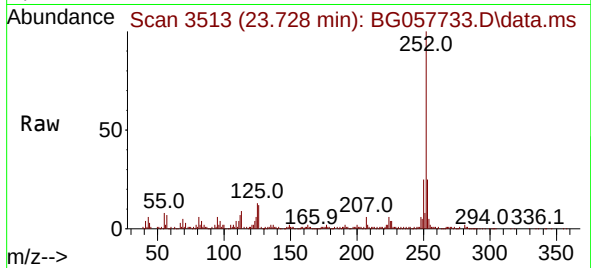




#88
Benzo(b)fluoranthene
Concen: 15.930 ng
RT: 23.728 min Scan# 3513
Delta R.T. -0.002 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57

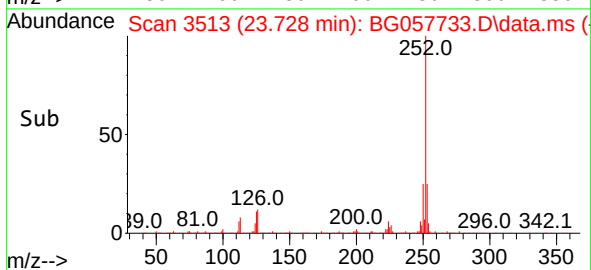
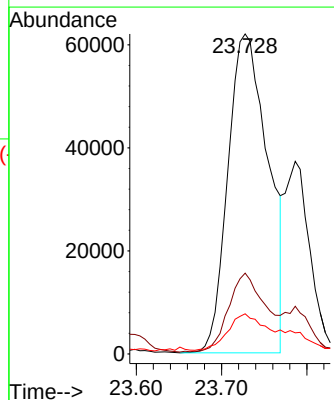
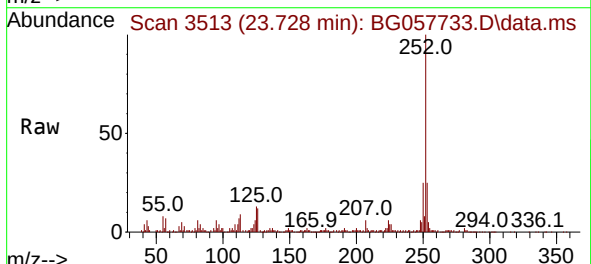
Instrument :
BNA_G
ClientSampleId :
COMP-SB-26

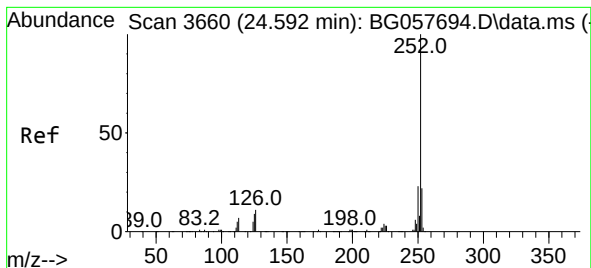
Tgt Ion:252 Resp: 202386
Ion Ratio Lower Upper
252 100
253 25.3 17.4 26.2
125 12.6 7.1 10.7#



#89
Benzo(k)fluoranthene
Concen: 15.359 ng
RT: 23.728 min Scan# 3513
Delta R.T. -0.072 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57

Tgt Ion:252 Resp: 202386
Ion Ratio Lower Upper
252 100
253 25.3 16.6 25.0#
125 12.6 7.3 10.9#





#90

Benzo(a)pyrene

Concen: 12.214 ng

RT: 24.579 min Scan# 3

Delta R.T. -0.008 min

Lab File: BG057733.D

Acq: 15 Jun 2023 20:57

Instrument :

BNA_G

ClientSampleId :

COMP-SB-26

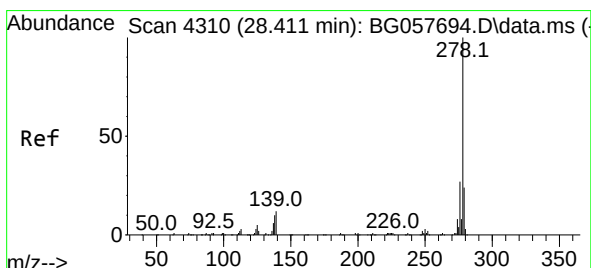
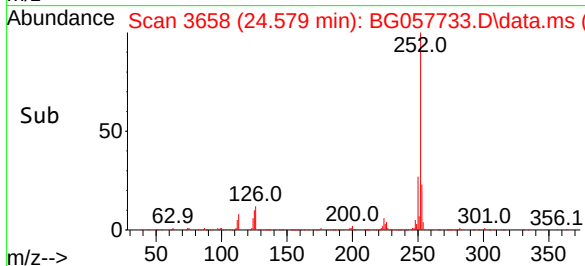
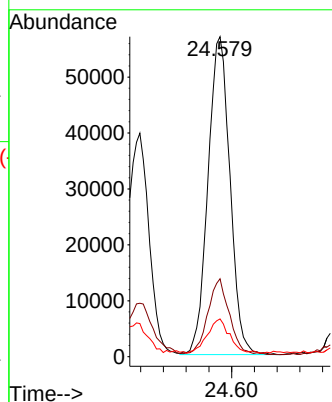
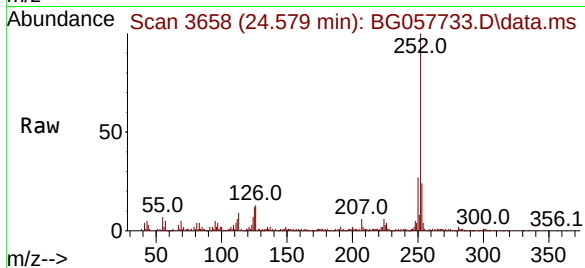
Tgt Ion:252 Resp: 152579

Ion Ratio Lower Upper

252 100

253 24.4 17.8 26.6

125 11.8 7.4 11.2#



#91

Dibenzo(a,h)anthracene

Concen: 2.269 ng

RT: 28.375 min Scan# 4304

Delta R.T. -0.037 min

Lab File: BG057733.D

Acq: 15 Jun 2023 20:57

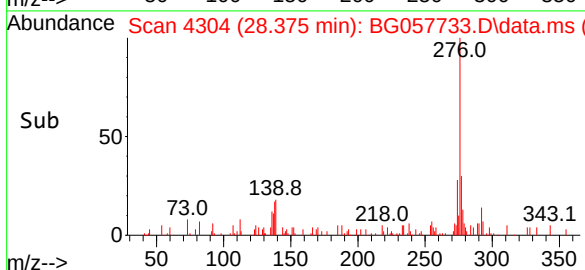
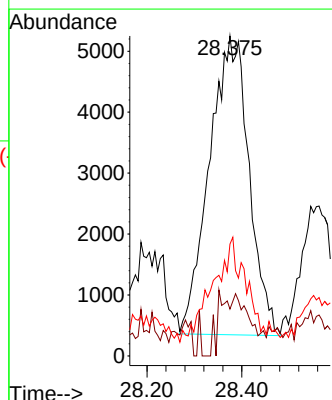
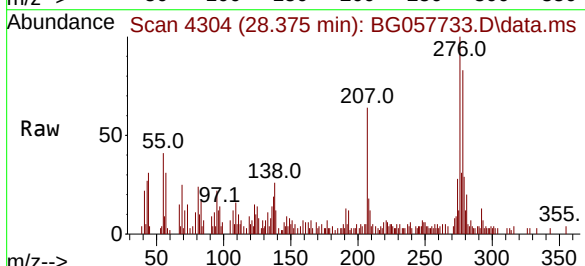
Tgt Ion:278 Resp: 28416

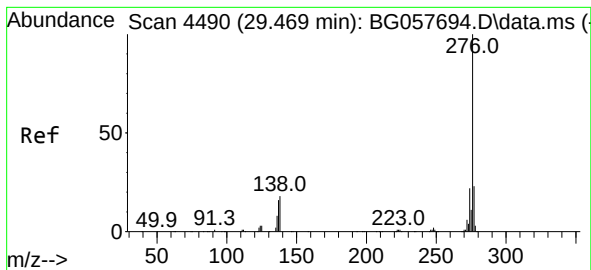
Ion Ratio Lower Upper

278 100

139 14.6 10.0 15.0

279 34.9 19.1 28.7#





#92

Benzo(g,h,i)perylene

Concen: 8.432 ng

RT: 29.444 min Scan# 44

Delta R.T. -0.025 min

Lab File: BG057733.D

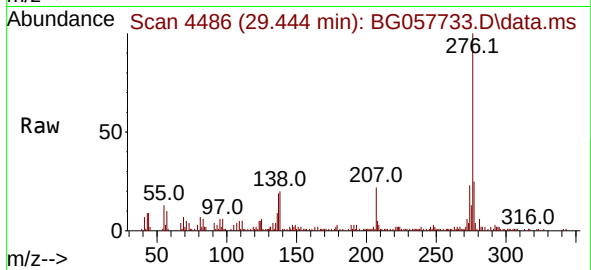
Acq: 15 Jun 2023 20:57

Instrument :

BNA_G

ClientSampleId :

COMP-SB-26



Tgt Ion:276 Resp: 105387

Ion Ratio Lower Upper

276 100

277 25.4 18.1 27.1

138 20.4 14.6 21.8

