

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041723\
 Data File : BG057121.D
 Acq On : 17 Apr 2023 21:54
 Operator : CG/JU
 Sample : 02357-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P2-S2-230413

Quant Time: Apr 18 01:22:56 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)

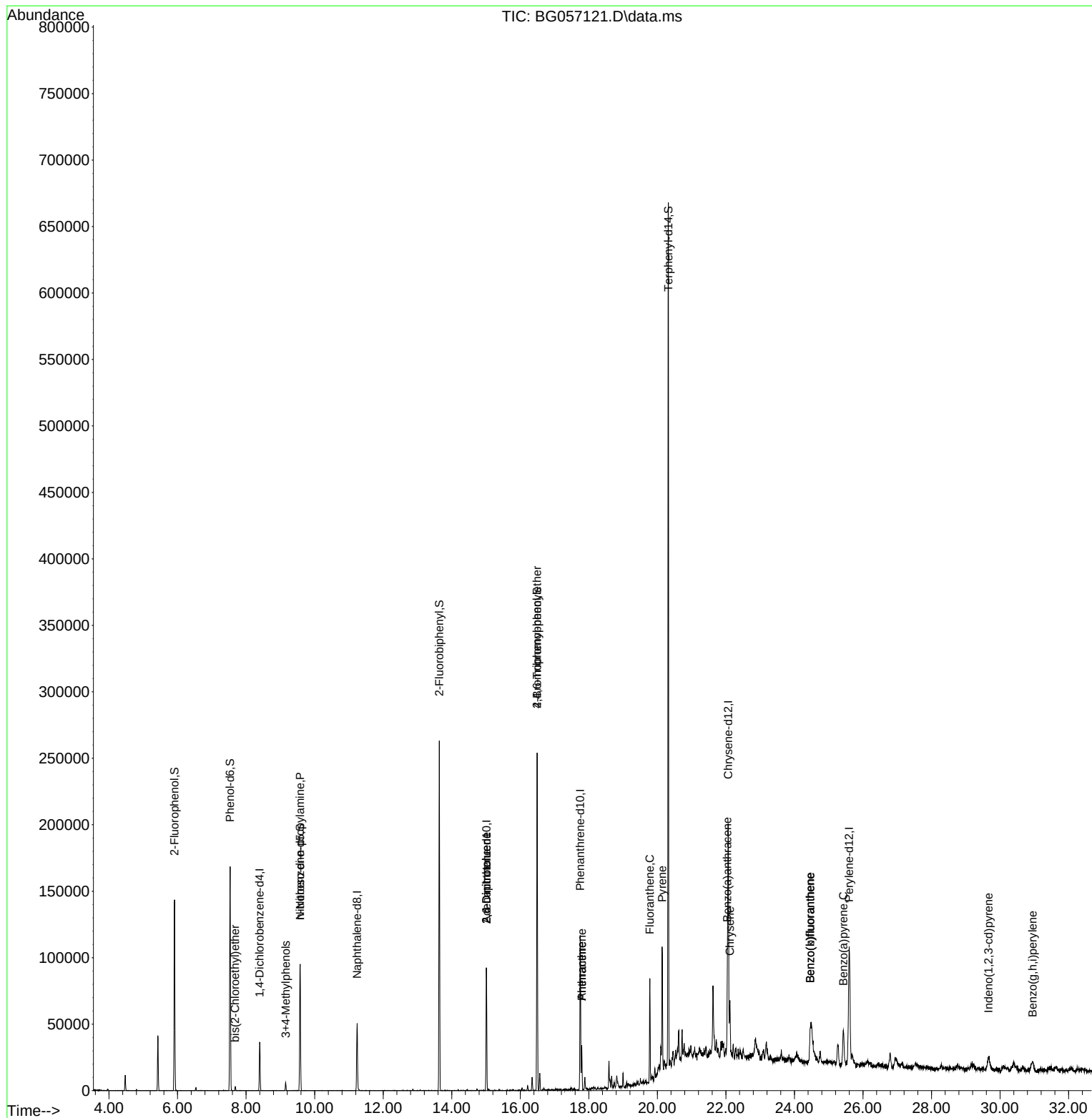
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.396	152	10301	20.000	ng	-0.02
21) Naphthalene-d8	11.239	136	42161	20.000	ng	# 0.00
39) Acenaphthene-d10	15.010	164	33398	20.000	ng	0.00
64) Phenanthrene-d10	17.748	188	77084	20.000	ng	-0.02
76) Chrysene-d12	22.066	240	97935	20.000	ng	#-0.02
86) Perylene-d12	25.596	264	105374	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.911	112	57520	89.368	ng	0.00
7) Phenol-d6	7.532	99	88881	92.331	ng	0.00
23) Nitrobenzene-d5	9.577	82	58180	56.464	ng	0.00
42) 2,4,6-Tribromophenol	16.491	330	54652	102.432	ng	0.00
45) 2-Fluorobiphenyl	13.636	172	130094	52.820	ng	0.00
79) Terphenyl-d14	20.321	244	314260	54.299	ng	0.00
Target Compounds						
						Qvalue
11) bis(2-Chloroethyl)ether	7.679	93	1522	2.240	ng	# 18
19) n-Nitroso-di-n-propyla...	9.577	70	8544	12.409	ng	# 83
20) 3+4-Methylphenols	9.154	107	3285	3.452	ng	# 79
51) 2,6-Dinitrotoluene	15.010	165	4069	7.157	ng	# 18
57) 2,4-Dinitrotoluene	15.010	165	4069	5.074	ng	# 18
67) 4-Bromophenyl-phenylether	16.491	248	2913	3.054	ng	# 1
71) Phenanthrene	17.795	178	21636	5.505	ng	96
72) Anthracene	17.795	178	21636	5.370	ng	95
75) Fluoranthene	19.780	202	45927	9.219	ng	96
78) Pyrene	20.139	202	55903	8.253	ng	96
81) Benzo(a)anthracene	22.042	228	31360	4.627	ng	96
83) Chrysene	22.118	228	30455	4.799	ng	98
87) Indeno(1,2,3-cd)pyrene	29.667	276	19067	2.448	ng	# 76
88) Benzo(b)fluoranthene	24.462	252	41133	6.242	ng	# 91
89) Benzo(k)fluoranthene	24.462	252	41133	6.253	ng	# 88
90) Benzo(a)pyrene	25.426	252	30373	4.691	ng	# 93
92) Benzo(g,h,i)perylene	30.948	276	17008	2.713	ng	98

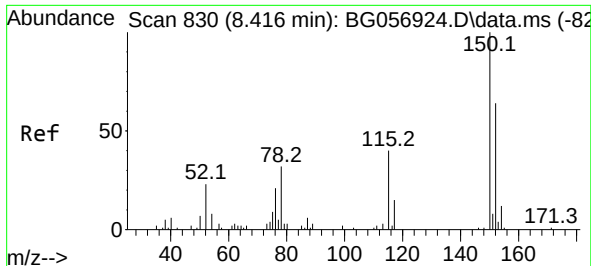
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041723\
Data File : BG057121.D
Acq On : 17 Apr 2023 21:54
Operator : CG/JU
Sample : 02357-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P2-S2-230413

Quant Time: Apr 18 01:22:56 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

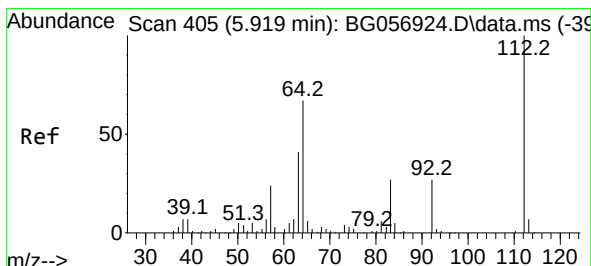
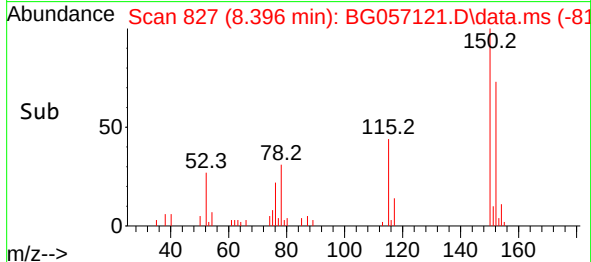
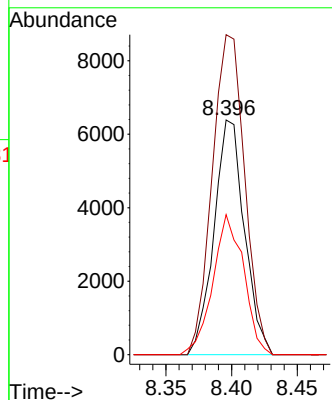
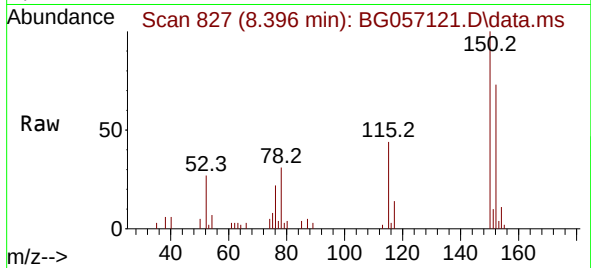




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.396 min Scan# 81
Delta R.T. -0.015 min
Lab File: BG057121.D
Acq: 17 Apr 2023 21:54

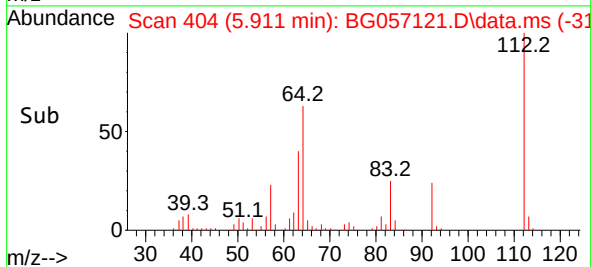
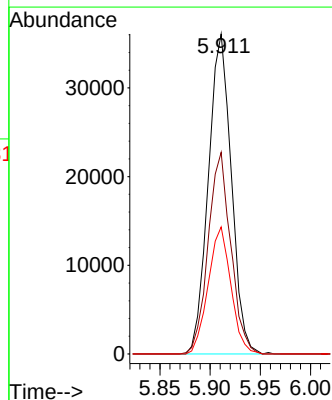
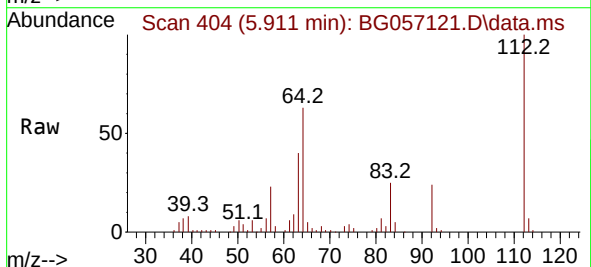
Instrument :
BNA_G
ClientSampleId :
P2-S2-230413

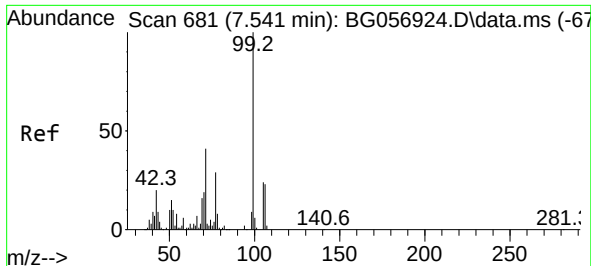
Tgt Ion:152 Resp: 10301
Ion Ratio Lower Upper
152 100
150 136.3 124.1 186.1
115 59.6 49.1 73.7



#5
2-Fluorophenol
Concen: 89.368 ng
RT: 5.911 min Scan# 404
Delta R.T. -0.004 min
Lab File: BG057121.D
Acq: 17 Apr 2023 21:54

Tgt Ion:112 Resp: 57520
Ion Ratio Lower Upper
112 100
64 63.0 53.2 79.8
63 39.7 32.6 48.8

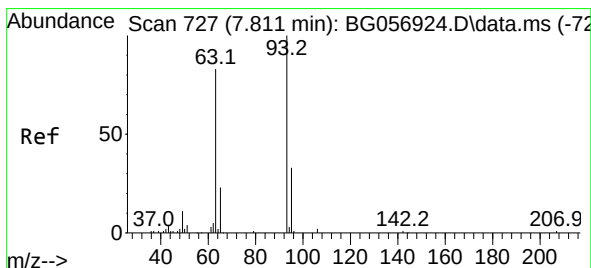
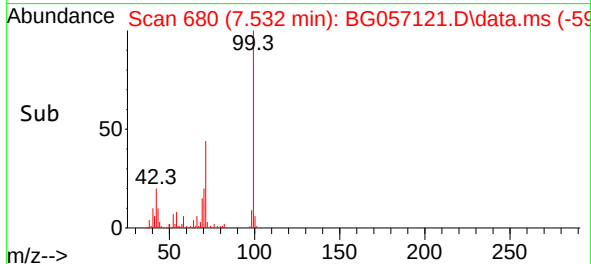
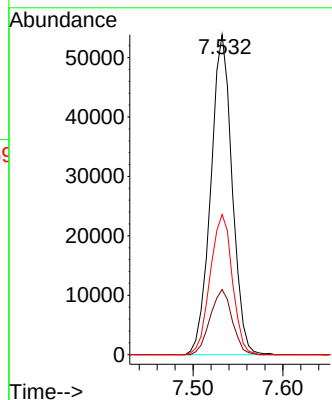
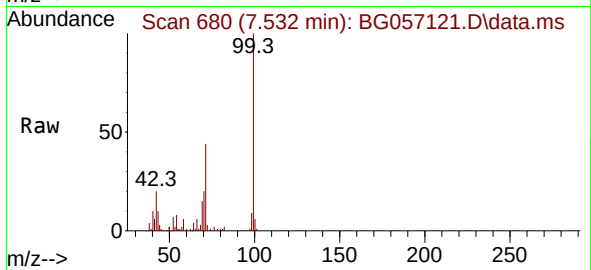




#7
Phenol-d6
Concen: 92.331 ng
RT: 7.532 min Scan# 61
Delta R.T. -0.004 min
Lab File: BG057121.D
Acq: 17 Apr 2023 21:54

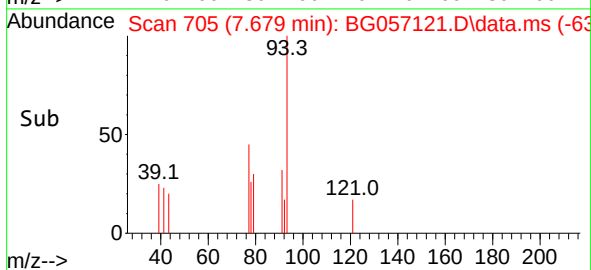
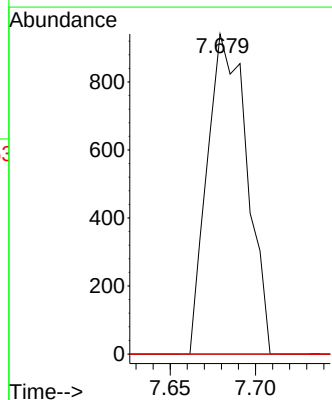
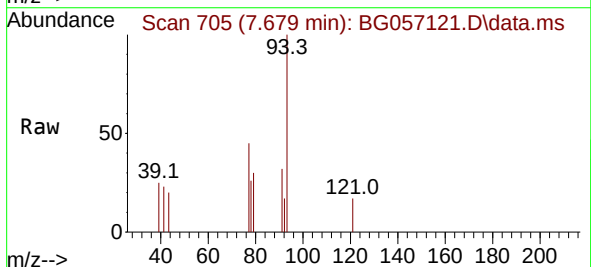
Instrument :
BNA_G
ClientSampleId :
P2-S2-230413

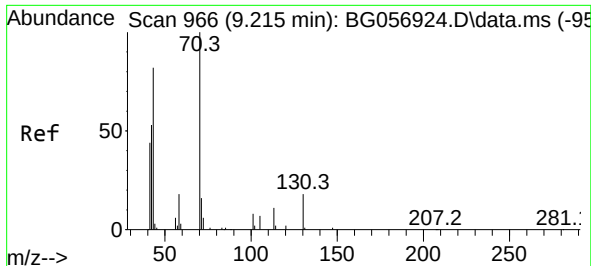
Tgt Ion: 99 Resp: 88881
Ion Ratio Lower Upper
99 100
42 20.4 15.7 23.5
71 43.8 32.5 48.7



#11
bis(2-Chloroethyl)ether
Concen: 2.240 ng
RT: 7.679 min Scan# 705
Delta R.T. -0.127 min
Lab File: BG057121.D
Acq: 17 Apr 2023 21:54

Tgt Ion: 93 Resp: 1522
Ion Ratio Lower Upper
93 100
63 0.0 62.7 102.7#
95 0.0 12.3 52.3#

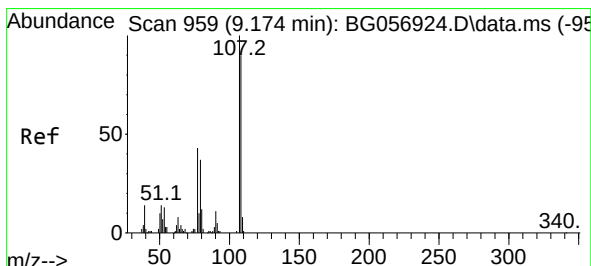
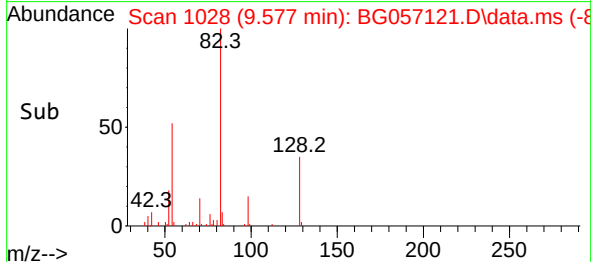
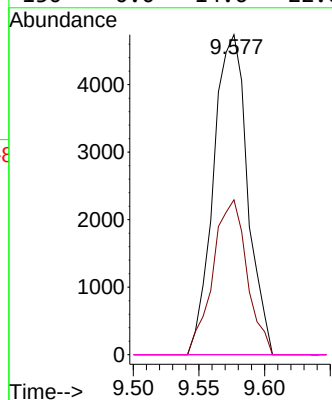
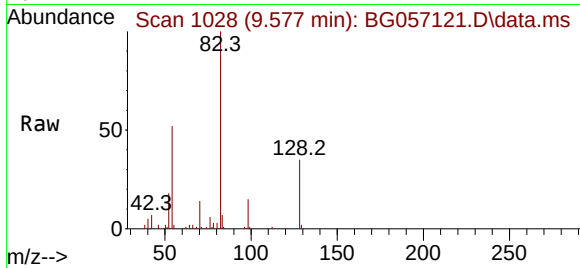




#19
n-Nitroso-di-n-propylamine
Concen: 12.409 ng
RT: 9.577 min Scan# 1028
Delta R.T. 0.366 min
Lab File: BG057121.D
Acq: 17 Apr 2023 21:54

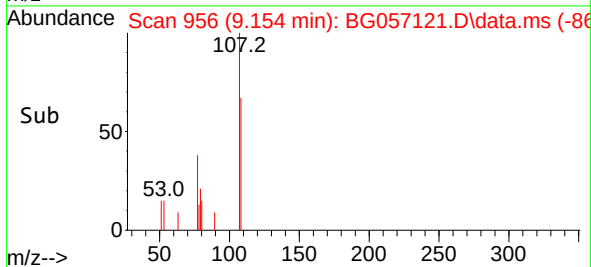
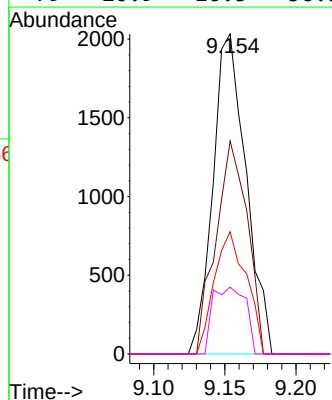
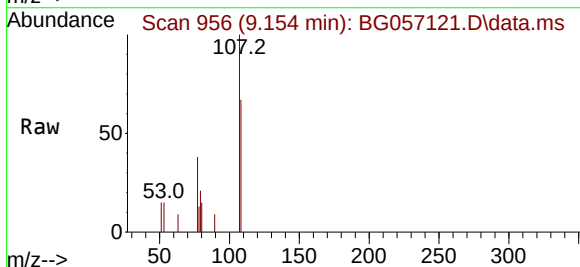
Instrument :
BNA_G
ClientSampleId :
P2-S2-230413

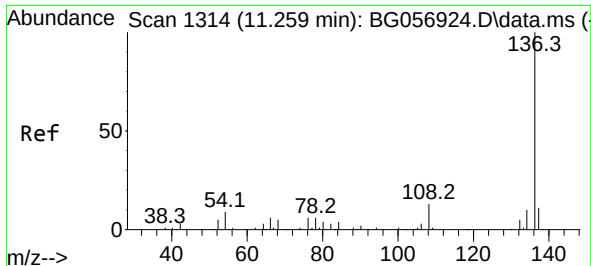
Tgt Ion: 70 Resp: 8544
Ion Ratio Lower Upper
70 100
42 48.4 43.4 65.0
101 0.0 6.2 9.2#
130 0.0 14.6 22.0#



#20
3+4-Methylphenols
Concen: 3.452 ng
RT: 9.154 min Scan# 956
Delta R.T. -0.015 min
Lab File: BG057121.D
Acq: 17 Apr 2023 21:54

Tgt Ion: 107 Resp: 3285
Ion Ratio Lower Upper
107 100
108 66.5 69.9 109.9#
77 38.2 22.7 62.7
79 20.9 16.5 56.5





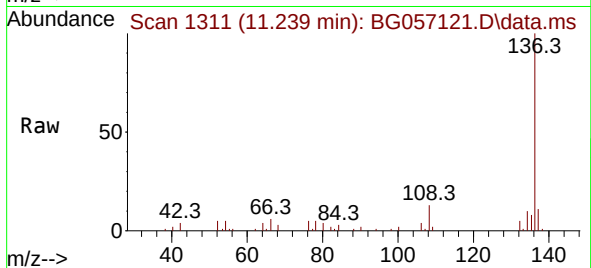
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.239 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG057121.D
Acq: 17 Apr 2023 21:54

Instrument :

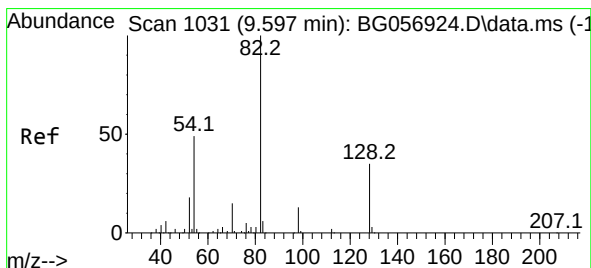
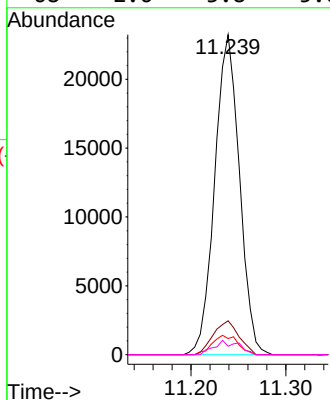
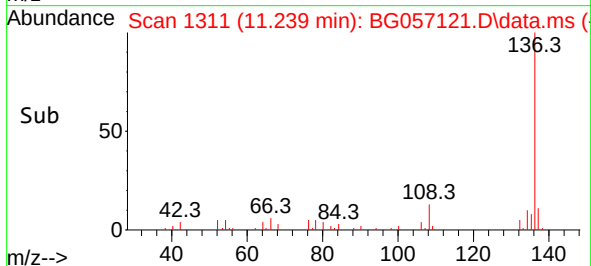
BNA_G

ClientSampleId :

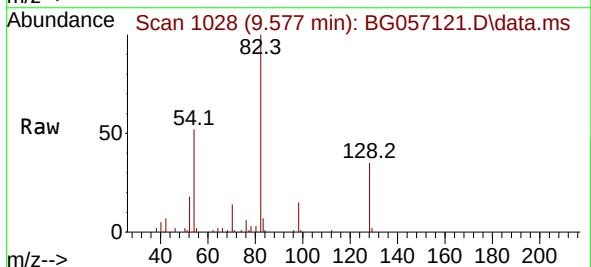
P2-S2-230413



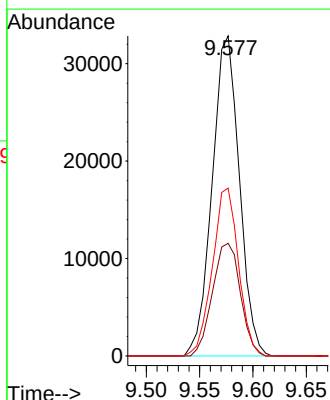
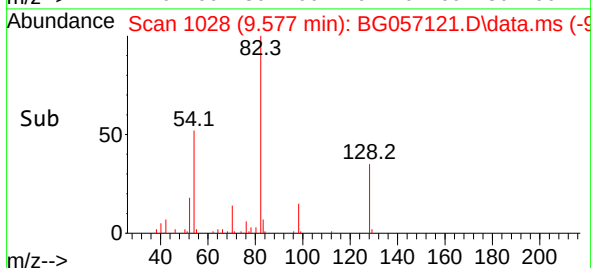
Tgt Ion:136 Resp: 42161
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 5.0 6.9 10.3#
68 2.6 3.8 5.6#

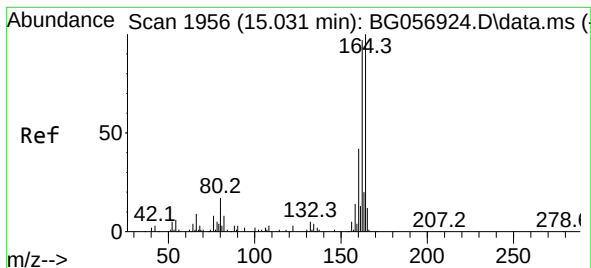


#23
Nitrobenzene-d5
Concen: 56.464 ng
RT: 9.577 min Scan# 1028
Delta R.T. -0.009 min
Lab File: BG057121.D
Acq: 17 Apr 2023 21:54



Tgt Ion: 82 Resp: 58180
Ion Ratio Lower Upper
82 100
128 35.2 27.9 41.9
54 52.5 39.4 59.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.010 min Scan# 1953

Delta R.T. -0.009 min

Lab File: BG057121.D

Acq: 17 Apr 2023 21:54

Instrument :

BNA_G

ClientSampleId :

P2-S2-230413

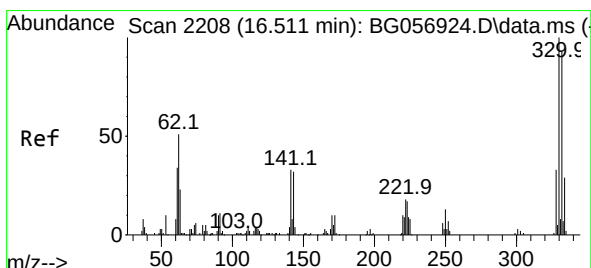
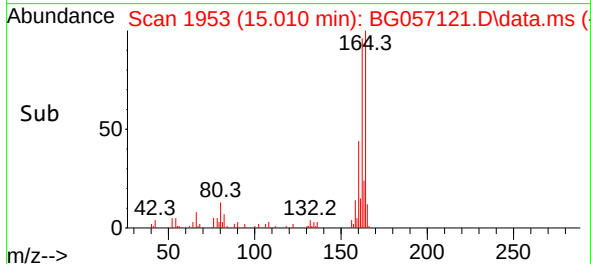
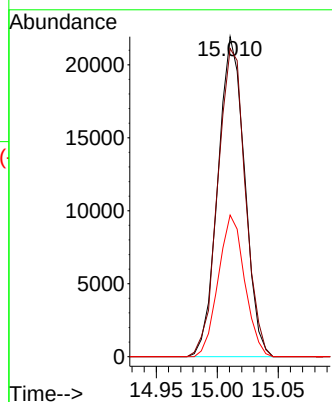
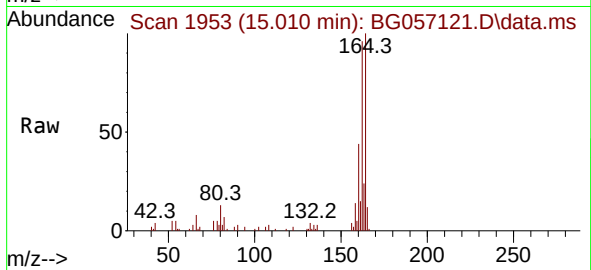
Tgt Ion:164 Resp: 33398

Ion Ratio Lower Upper

164 100

162 96.3 77.8 116.8

160 44.3 33.5 50.3



#42

2,4,6-Tribromophenol

Concen: 102.432 ng

RT: 16.491 min Scan# 2205

Delta R.T. -0.009 min

Lab File: BG057121.D

Acq: 17 Apr 2023 21:54

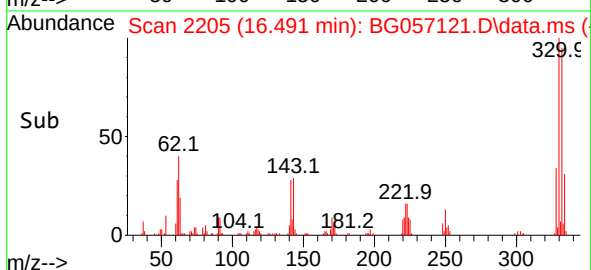
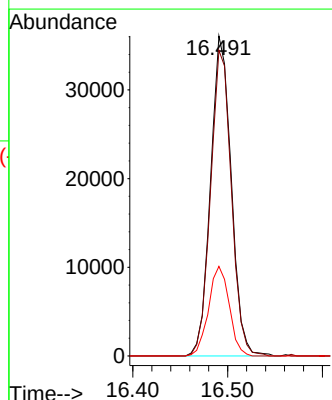
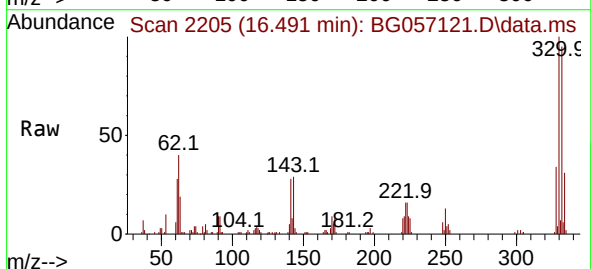
Tgt Ion:330 Resp: 54652

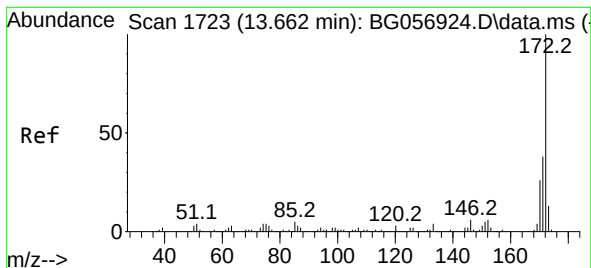
Ion Ratio Lower Upper

330 100

332 95.7 76.1 114.1

141 28.0 25.8 38.6

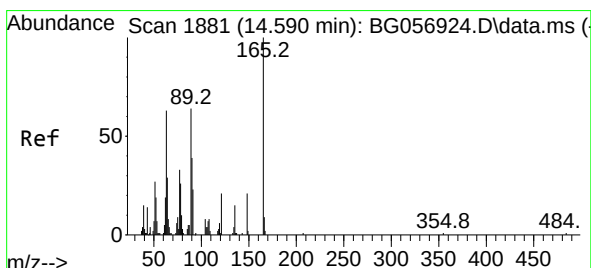
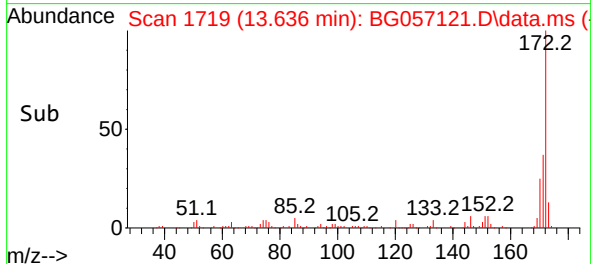
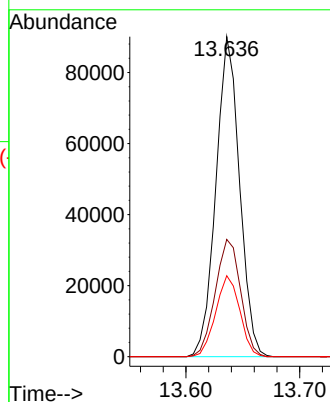
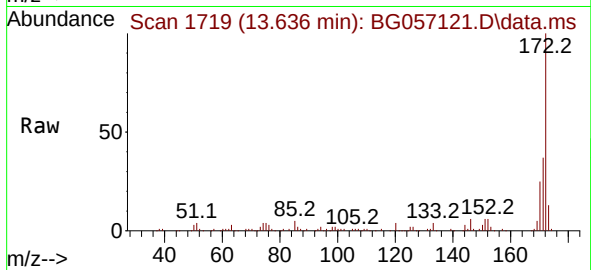




#45
2-Fluorobiphenyl
Concen: 52.820 ng
RT: 13.636 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG057121.D
Acq: 17 Apr 2023 21:54

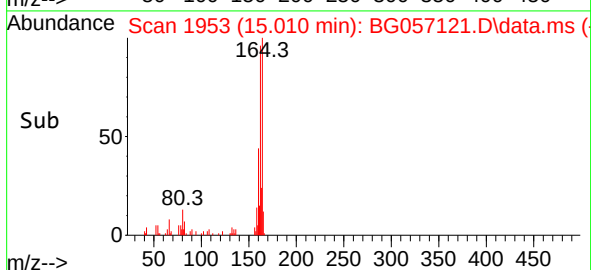
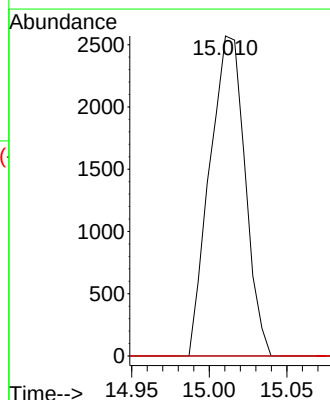
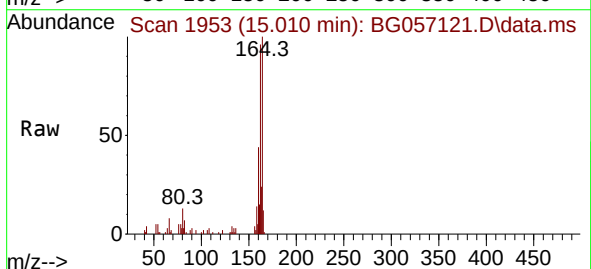
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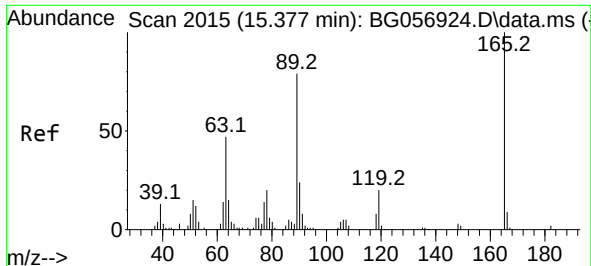
Tgt Ion:172 Resp: 130094
Ion Ratio Lower Upper
172 100
171 36.6 30.6 46.0
170 25.3 20.6 30.8



#51
2,6-Dinitrotoluene
Concen: 7.157 ng
RT: 15.010 min Scan# 1953
Delta R.T. 0.425 min
Lab File: BG057121.D
Acq: 17 Apr 2023 21:54

Tgt Ion:165 Resp: 4069
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: 5.074 ng

RT: 15.010 min Scan# 1953

Delta R.T. -0.356 min

Lab File: BG057121.D

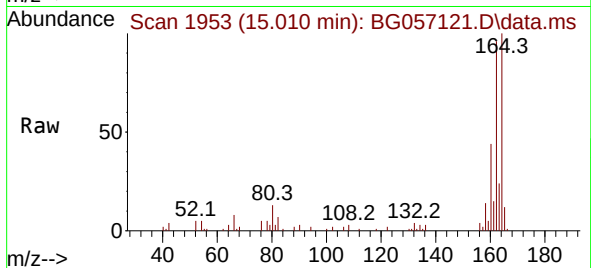
Acq: 17 Apr 2023 21:54

Instrument :

BNA_G

ClientSampleId :

P2-S2-230413



Tgt Ion:165 Resp: 4069

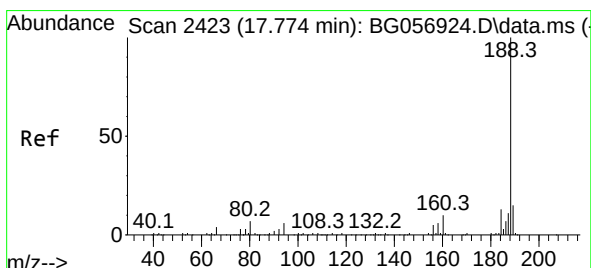
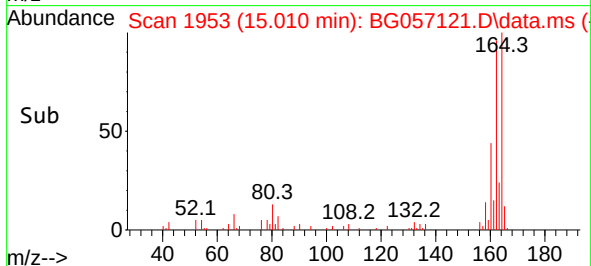
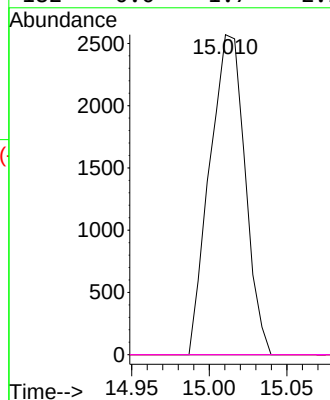
Ion Ratio Lower Upper

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: 17.748 min Scan# 2419

Delta R.T. -0.015 min

Lab File: BG057121.D

Acq: 17 Apr 2023 21:54

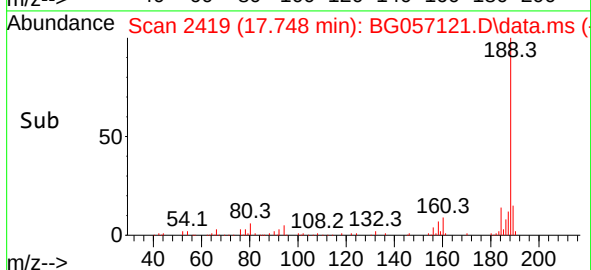
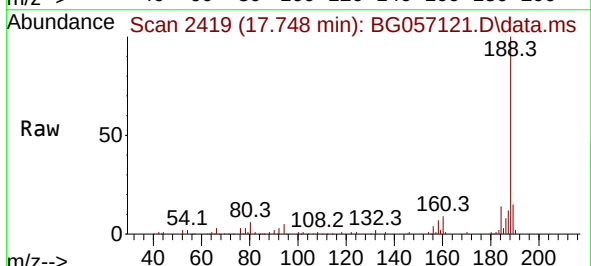
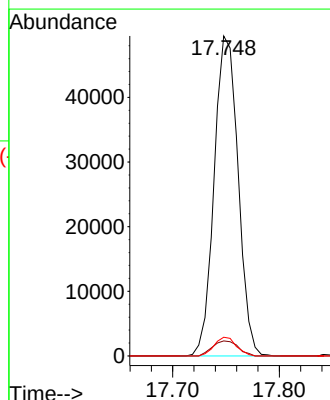
Tgt Ion:188 Resp: 77084

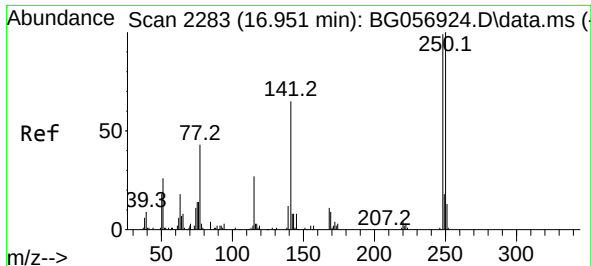
Ion Ratio Lower Upper

188 100

94 4.7 4.6 6.8

80 5.9 5.5 8.3

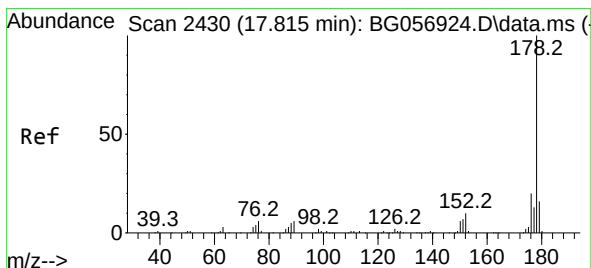
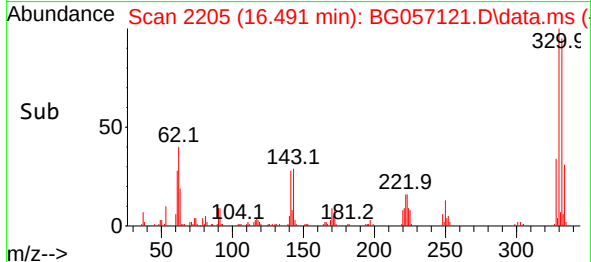
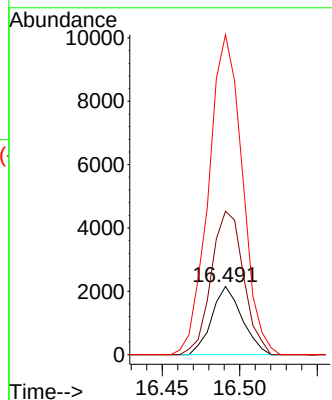
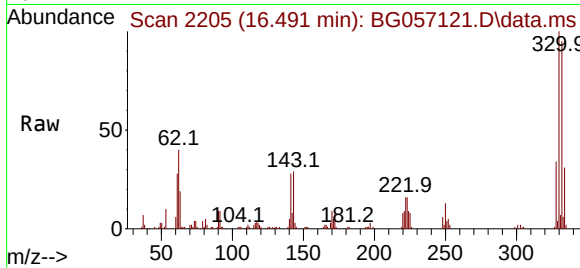




#67
4-Bromophenyl-phenylether
Concen: 3.054 ng
RT: 16.491 min Scan# 21
Delta R.T. -0.444 min
Lab File: BG057121.D
Acq: 17 Apr 2023 21:54

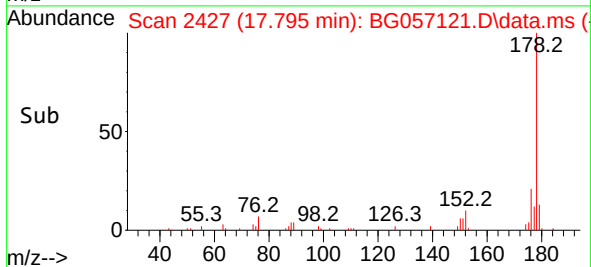
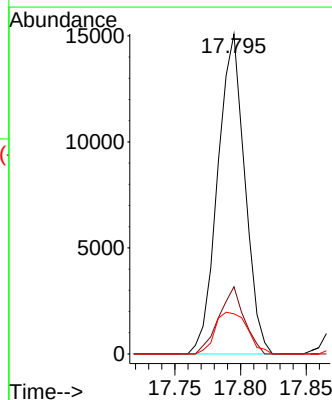
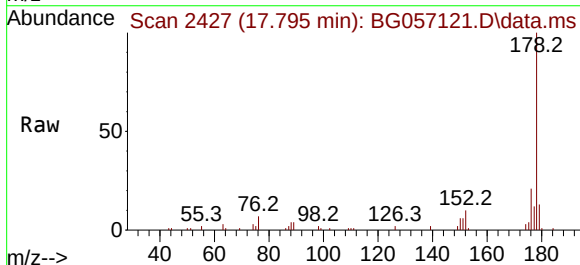
Instrument :
BNA_G
ClientSampleId :
P2-S2-230413

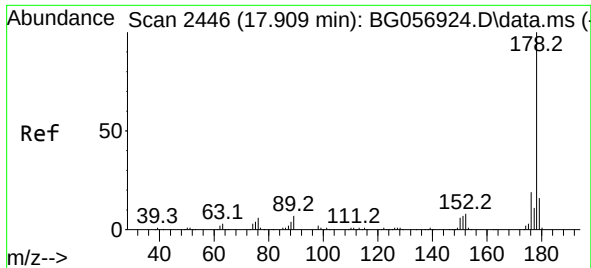
Tgt Ion:248 Resp: 2913
Ion Ratio Lower Upper
248 100
250 210.8 80.5 120.7#
141 469.9 52.0 78.0#



#71
Phenanthrene
Concen: 5.505 ng
RT: 17.795 min Scan# 2427
Delta R.T. -0.009 min
Lab File: BG057121.D
Acq: 17 Apr 2023 21:54

Tgt Ion:178 Resp: 21636
Ion Ratio Lower Upper
178 100
176 21.0 16.2 24.2
179 12.6 12.5 18.7

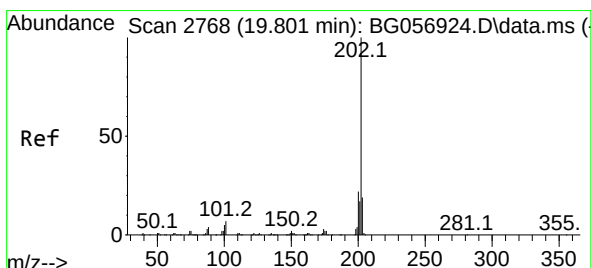
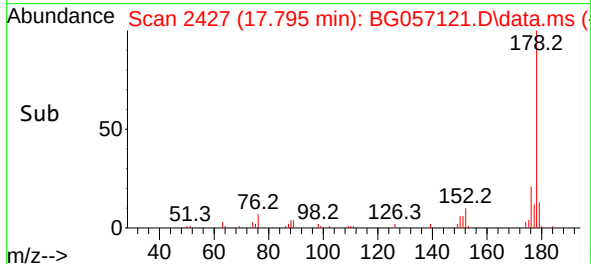
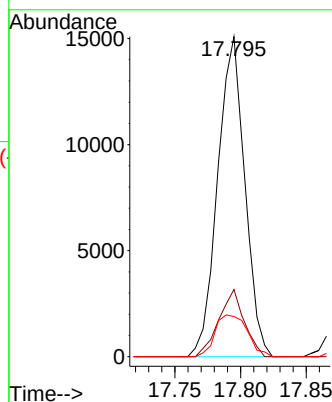
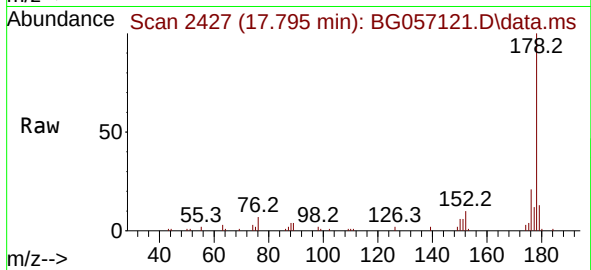




#72
 Anthracene
 Concen: 5.370 ng
 RT: 17.795 min Scan# 2446
 Delta R.T. -0.098 min
 Lab File: BG057121.D
 Acq: 17 Apr 2023 21:54

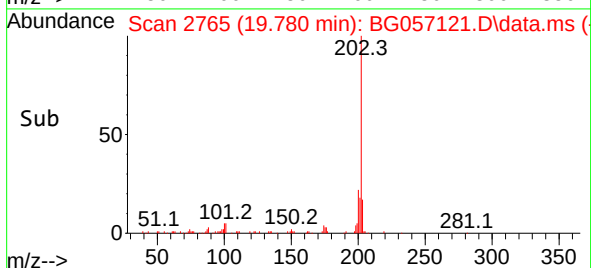
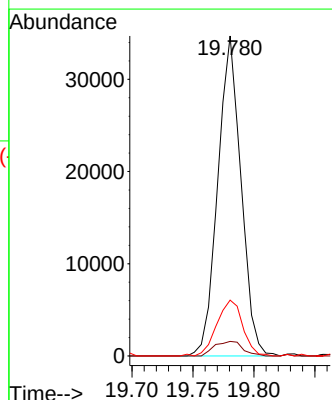
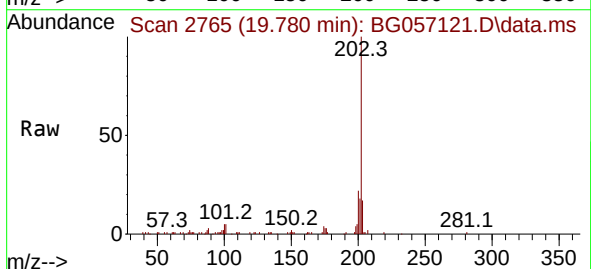
Instrument :
 BNA_G
 ClientSampleId :
 P2-S2-230413

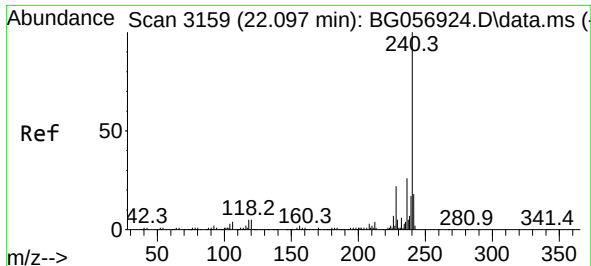
Tgt Ion:178 Resp: 21636
 Ion Ratio Lower Upper
 178 100
 176 21.0 15.4 23.2
 179 12.6 12.4 18.6



#75
 Fluoranthene
 Concen: 9.219 ng
 RT: 19.780 min Scan# 2765
 Delta R.T. -0.009 min
 Lab File: BG057121.D
 Acq: 17 Apr 2023 21:54

Tgt Ion:202 Resp: 45927
 Ion Ratio Lower Upper
 202 100
 101 4.6 0.0 26.7
 203 17.5 0.0 39.0

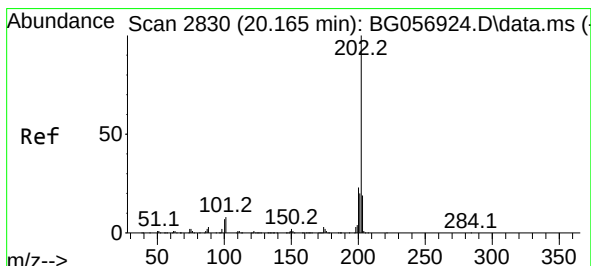
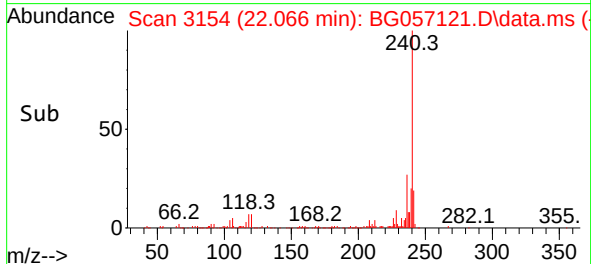
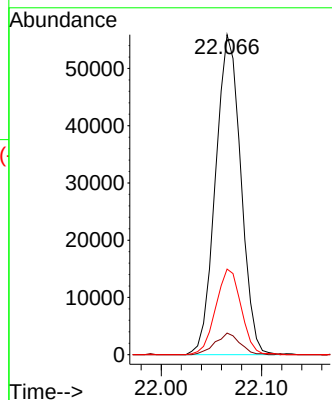
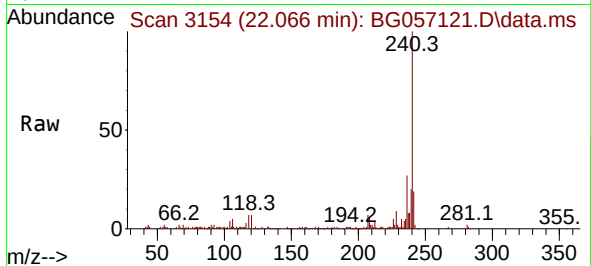




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.066 min Scan# 3159
Delta R.T. -0.015 min
Lab File: BG057121.D
Acq: 17 Apr 2023 21:54

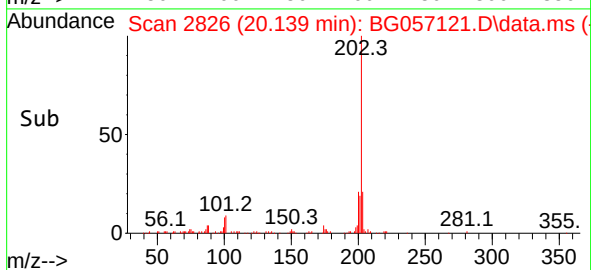
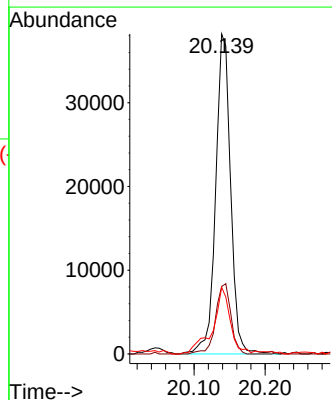
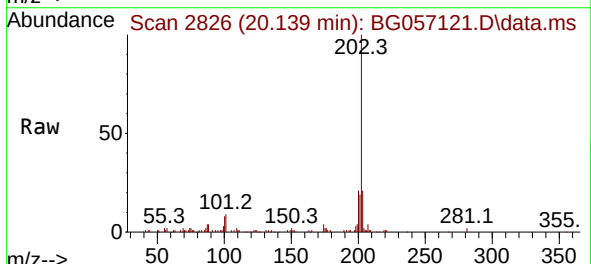
Instrument :
BNA_G
ClientSampleId :
P2-S2-230413

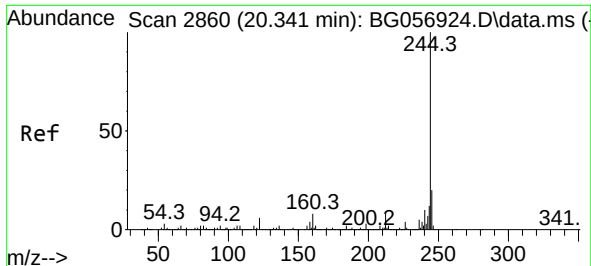
Tgt Ion:240 Resp: 97935
Ion Ratio Lower Upper
240 100
120 6.7 3.8 5.6#
236 26.7 21.0 31.6



#78
Pyrene
Concen: 8.253 ng
RT: 20.139 min Scan# 2826
Delta R.T. -0.009 min
Lab File: BG057121.D
Acq: 17 Apr 2023 21:54

Tgt Ion:202 Resp: 55903
Ion Ratio Lower Upper
202 100
200 21.1 18.7 28.1
203 20.9 15.4 23.2

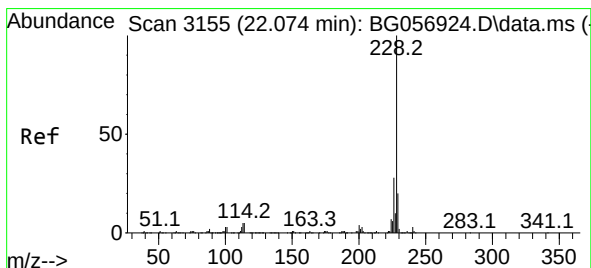
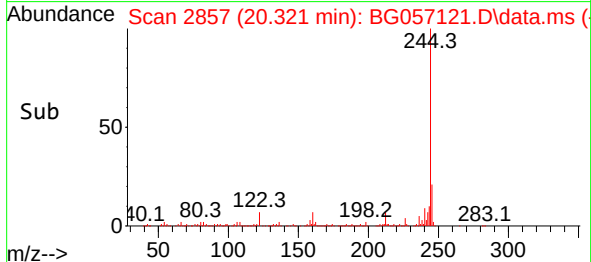
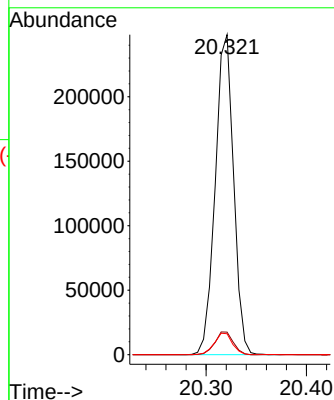
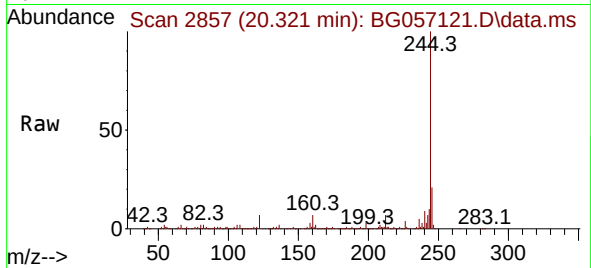




#79
 Terphenyl-d14
 Concen: 54.299 ng
 RT: 20.321 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG057121.D
 Acq: 17 Apr 2023 21:54

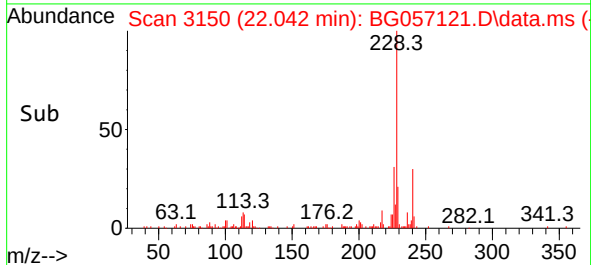
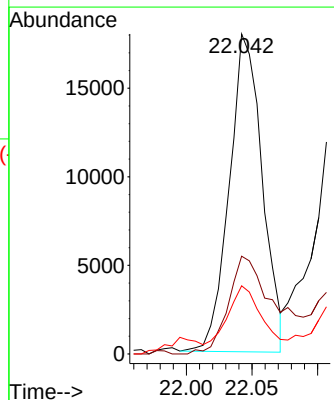
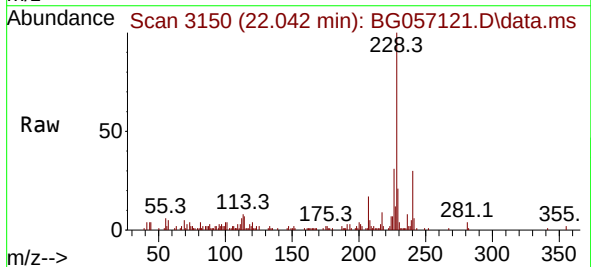
Instrument :
 BNA_G
 ClientSampleId :
 P2-S2-230413

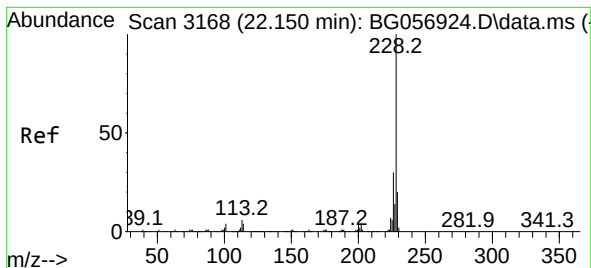
Tgt Ion:244 Resp: 314260
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 6.5 5.0 7.4



#81
 Benzo(a)anthracene
 Concen: 4.627 ng
 RT: 22.042 min Scan# 3150
 Delta R.T. -0.015 min
 Lab File: BG057121.D
 Acq: 17 Apr 2023 21:54

Tgt Ion:228 Resp: 31360
 Ion Ratio Lower Upper
 228 100
 226 30.6 22.1 33.1
 229 21.3 16.1 24.1





#83

Chrysene

Concen: 4.799 ng

RT: 22.118 min Scan# 3163

Delta R.T. -0.009 min

Lab File: BG057121.D

Acq: 17 Apr 2023 21:54

Instrument :

BNA_G

ClientSampleId :

P2-S2-230413

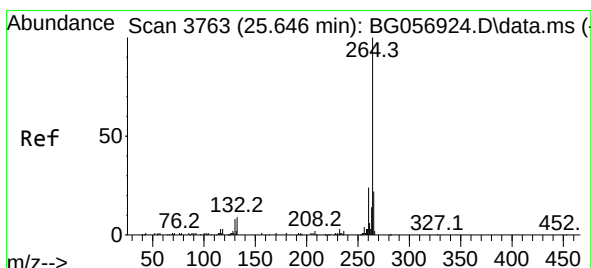
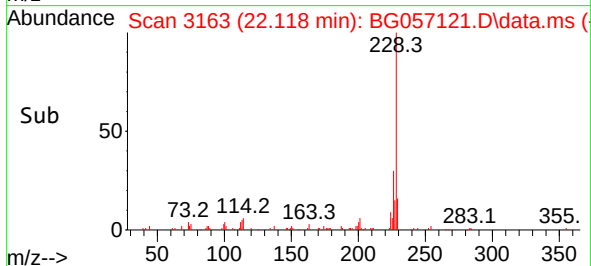
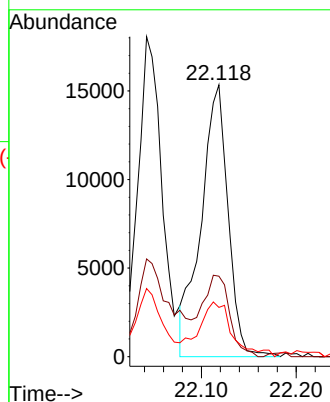
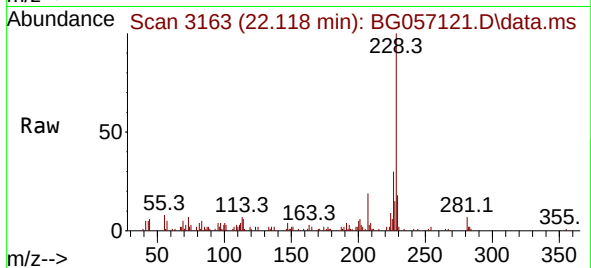
Tgt Ion:228 Resp: 30455

Ion Ratio Lower Upper

228 100

226 29.6 24.1 36.1

229 18.1 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.596 min Scan# 3755

Delta R.T. -0.015 min

Lab File: BG057121.D

Acq: 17 Apr 2023 21:54

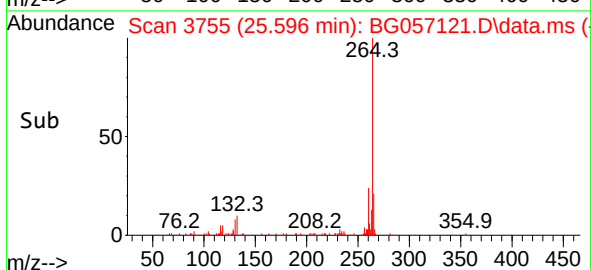
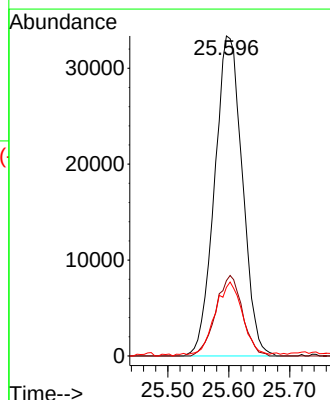
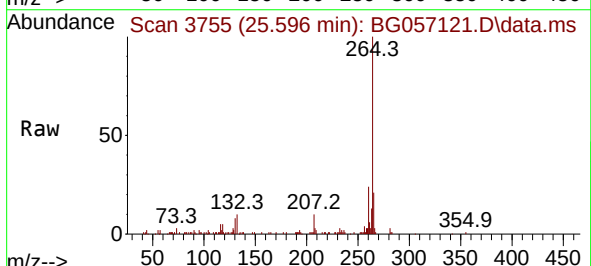
Tgt Ion:264 Resp: 105374

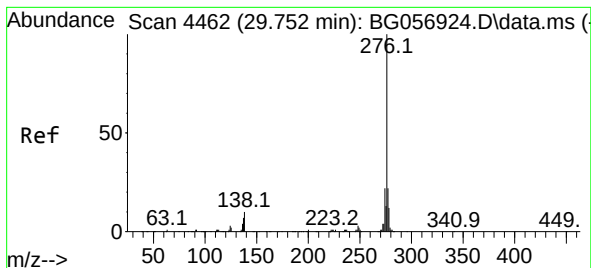
Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.4

265 21.5 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.448 ng

RT: 29.667 min Scan# 4462

Delta R.T. -0.045 min

Lab File: BG057121.D

Acq: 17 Apr 2023 21:54

Instrument :

BNA_G

ClientSampleId :

P2-S2-230413

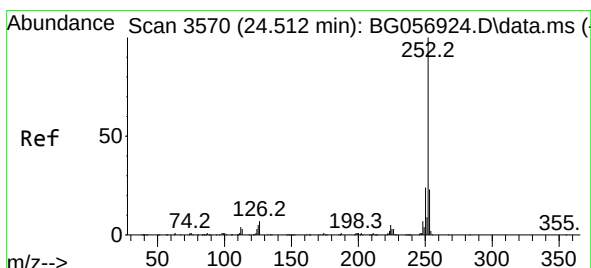
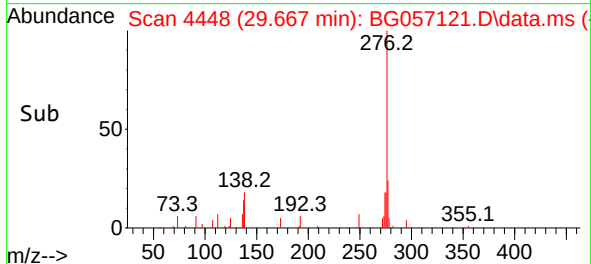
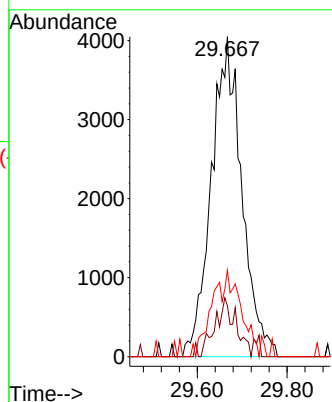
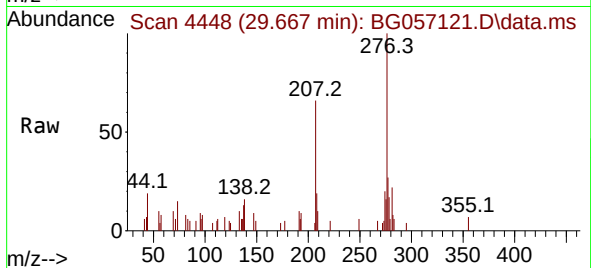
Tgt Ion:276 Resp: 19067

Ion Ratio Lower Upper

276 100

138 12.4 7.7 11.5#

277 10.8 21.0 31.4#



#88

Benzo(b)fluoranthene

Concen: 6.242 ng

RT: 24.462 min Scan# 3562

Delta R.T. -0.021 min

Lab File: BG057121.D

Acq: 17 Apr 2023 21:54

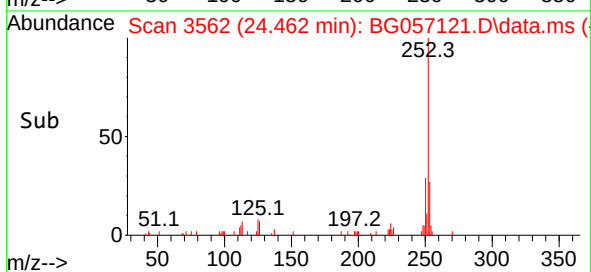
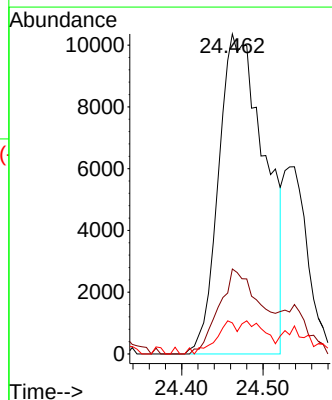
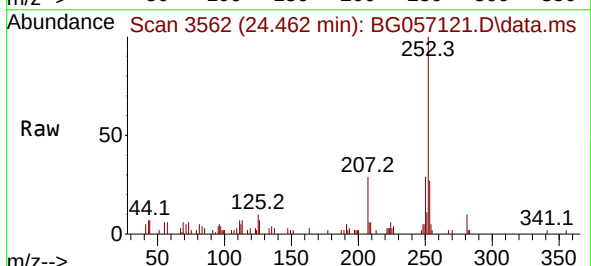
Tgt Ion:252 Resp: 41133

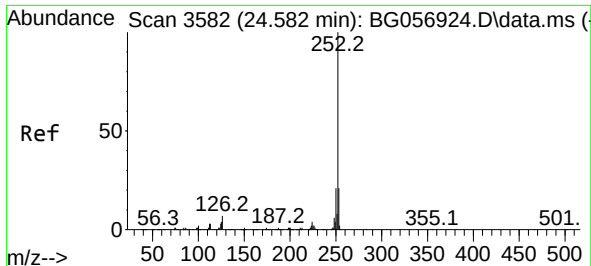
Ion Ratio Lower Upper

252 100

253 26.5 18.1 27.1

125 9.7 4.2 6.4#

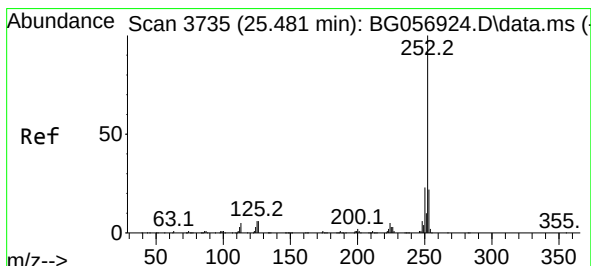
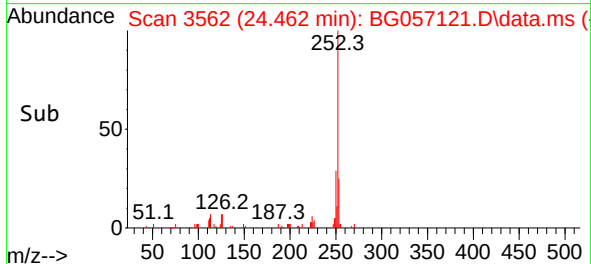
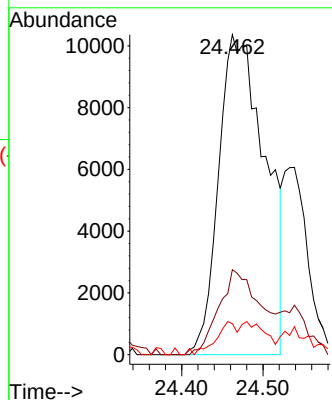
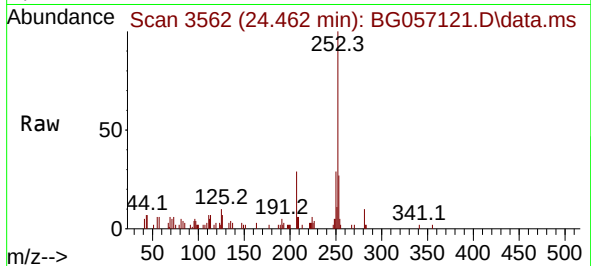




#89
Benzo(k)fluoranthene
Concen: 6.253 ng
RT: 24.462 min Scan# 31
Delta R.T. -0.098 min
Lab File: BG057121.D
Acq: 17 Apr 2023 21:54

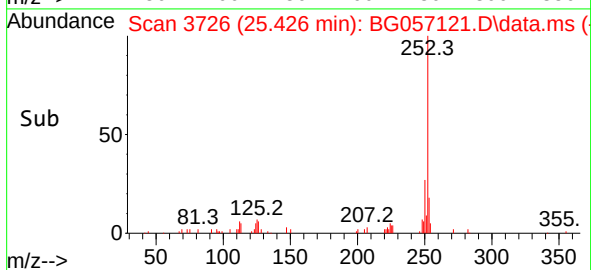
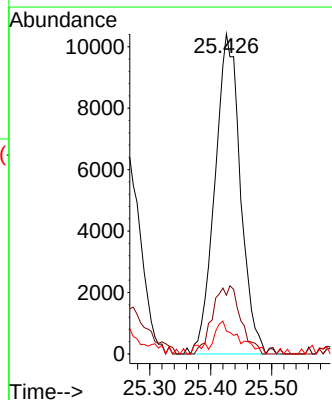
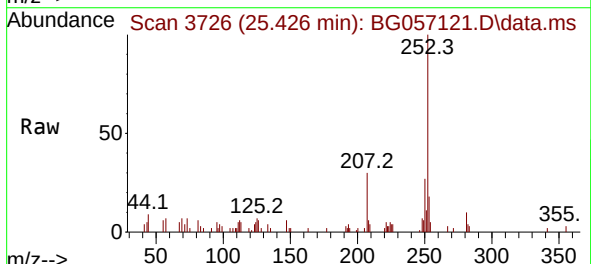
Instrument :
BNA_G
ClientSampleId :
P2-S2-230413

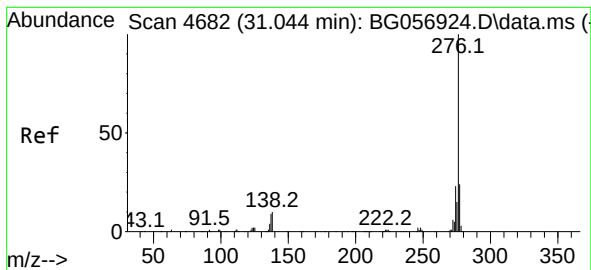
Tgt Ion:252 Resp: 41133
Ion Ratio Lower Upper
252 100
253 26.5 17.1 25.7#
125 9.7 3.8 5.6#



#90
Benzo(a)pyrene
Concen: 4.691 ng
RT: 25.426 min Scan# 3726
Delta R.T. -0.027 min
Lab File: BG057121.D
Acq: 17 Apr 2023 21:54

Tgt Ion:252 Resp: 30373
Ion Ratio Lower Upper
252 100
253 18.3 17.6 26.4
125 7.2 4.5 6.7#





#92

Benzo(g,h,i)perylene

Concen: 2.713 ng

RT: 30.948 min Scan# 4

Delta R.T. -0.045 min

Lab File: BG057121.D

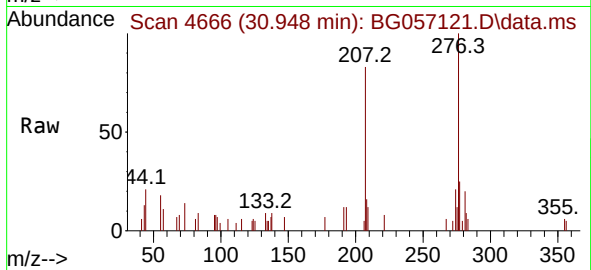
Acq: 17 Apr 2023 21:54

Instrument :

BNA_G

ClientSampleId :

P2-S2-230413



Tgt Ion:276 Resp: 17008

Ion Ratio Lower Upper

276 100

277 24.9 19.1 28.7

138 9.1 8.2 12.2

