

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112222\
 Data File : BG055747.D
 Acq On : 22 Nov 2022 19:59
 Operator : CG/JU
 Sample : N5749-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-82

Quant Time: Nov 23 01:40:07 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 23 01:35:20 2022
 Response via : Initial Calibration

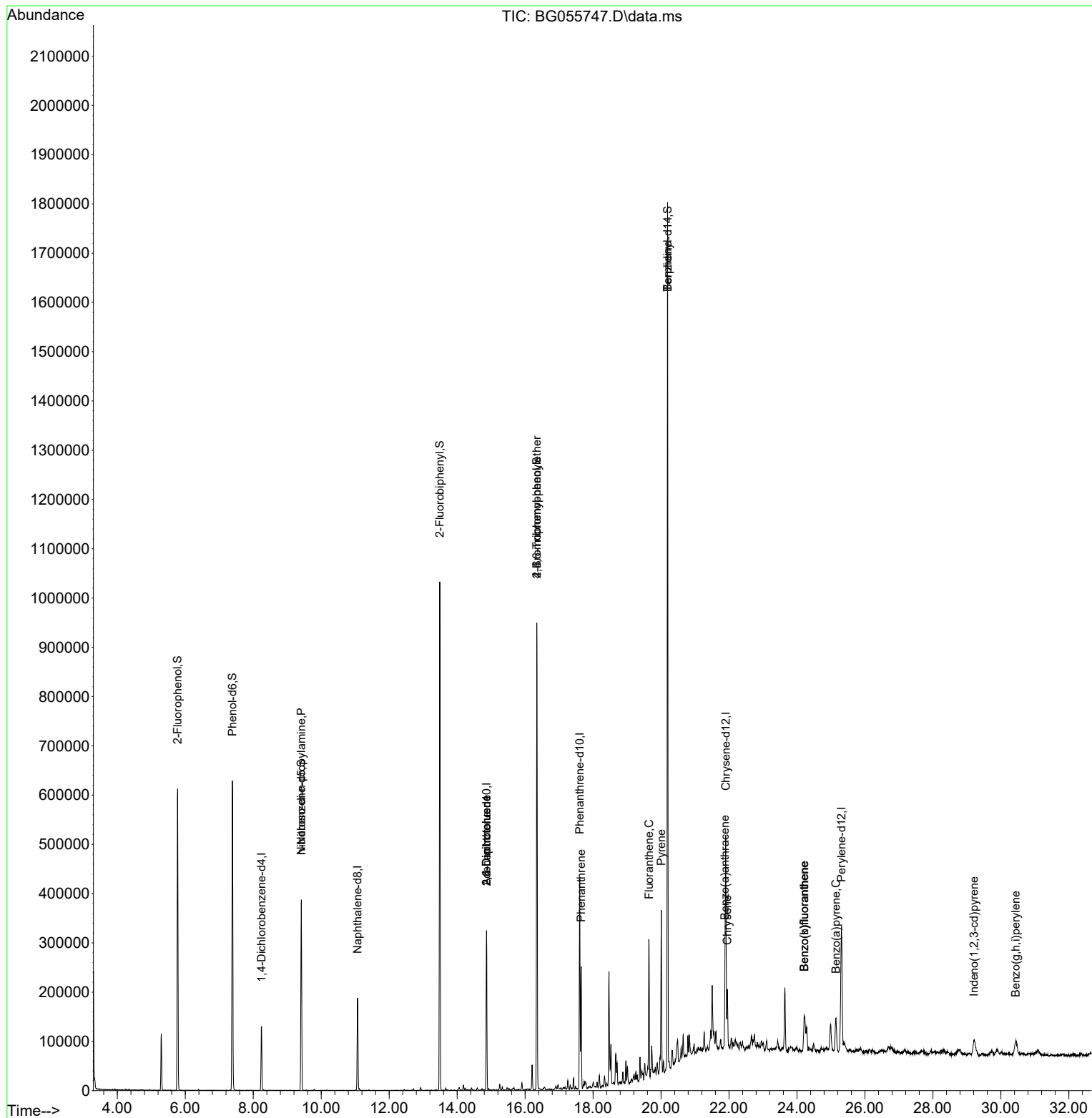
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.244	152	37563	20.000	ng	0.00
21) Naphthalene-d8	11.070	136	162266	20.000	ng	0.00
39) Acenaphthene-d10	14.866	164	117130	20.000	ng	0.00
64) Phenanthrene-d10	17.610	188	272551	20.000	ng	0.00
76) Chrysene-d12	21.904	240	257696	20.000	ng	0.00
86) Perylene-d12	25.312	264	274512	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.776	112	268537	129.219	ng	0.00
7) Phenol-d6	7.386	99	360061	130.157	ng	0.00
23) Nitrobenzene-d5	9.413	82	223590	72.830	ng	0.00
42) 2,4,6-Tribromophenol	16.346	330	195001	118.230	ng	0.00
45) 2-Fluorobiphenyl	13.491	172	536433	68.611	ng	0.00
79) Terphenyl-d14	20.195	244	880915	68.373	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.413	70	30105	14.164	ng	# 77
51) 2,6-Dinitrotoluene	14.866	165	15578	8.160	ng	# 24
57) 2,4-Dinitrotoluene	14.866	165	15578	5.787	ng	# 22
67) 4-Bromophenyl-phenylether	16.346	248	12926	4.162	ng	# 1
71) Phenanthrene	17.651	178	158901	10.804	ng	99
75) Fluoranthene	19.648	202	178714	9.988	ng	97
77) Benzidine	20.195	184	13974	2.344	ng	# 89
78) Pyrene	20.007	202	205171	11.762	ng	100
81) Benzo(a)anthracene	21.881	228	74093	4.174	ng	98
83) Chrysene	21.951	228	91810	5.434	ng	100
87) Indeno(1,2,3-cd)pyrene	29.214	276	52889	2.352	ng	# 92
88) Benzo(b)fluoranthene	24.219	252	99944	5.590	ng	# 98
89) Benzo(k)fluoranthene	24.219	252	99944	5.608	ng	# 98
90) Benzo(a)pyrene	25.148	252	82893	5.403	ng	99
92) Benzo(g,h,i)perylene	30.442	276	58723	3.170	ng	100

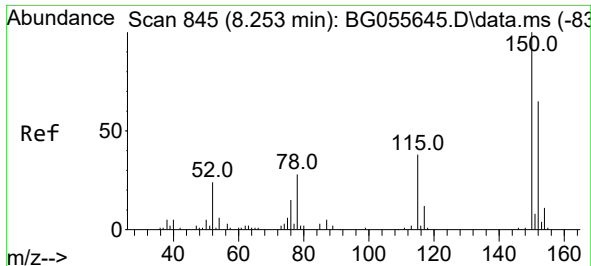
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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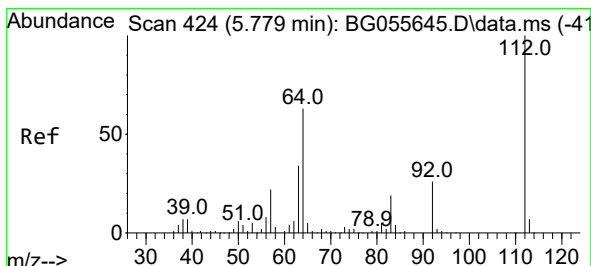
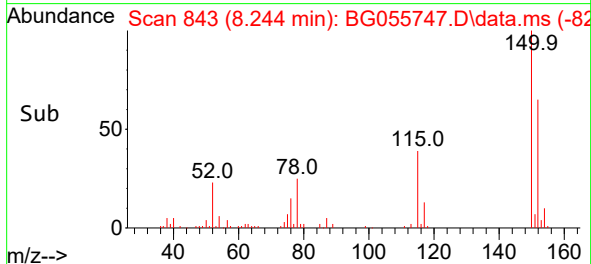
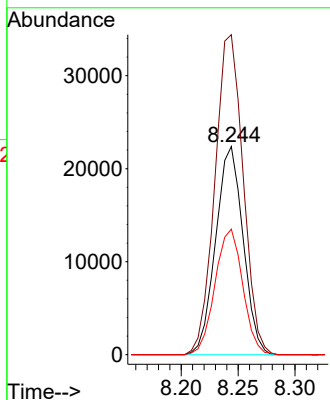
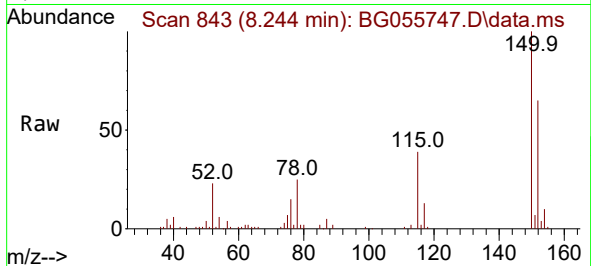




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.244 min Scan# 84
Delta R.T. -0.002 min
Lab File: BG055747.D
Acq: 22 Nov 2022 19:59

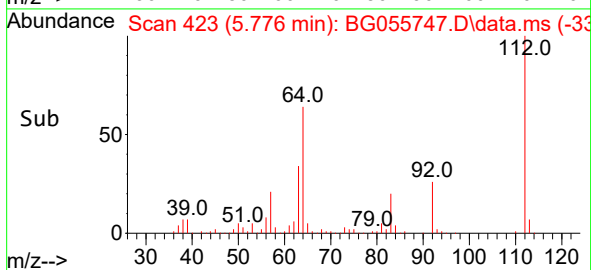
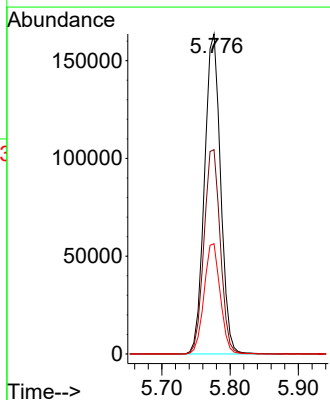
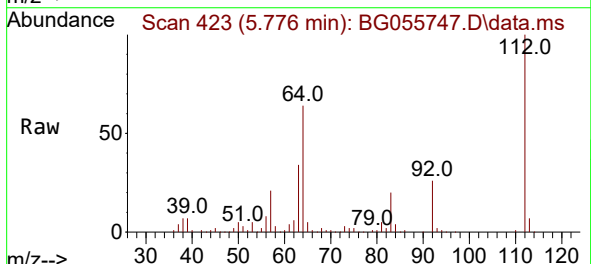
Instrument :
BNA_G
ClientSampleId :
MH-82

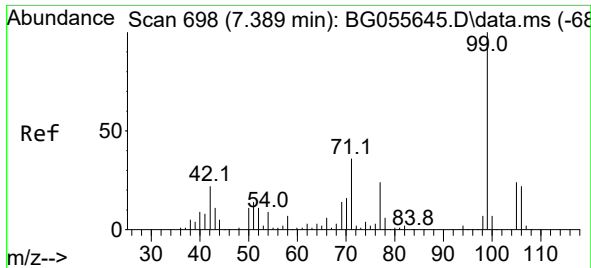
Tgt Ion:152 Resp: 37563
Ion Ratio Lower Upper
152 100
150 153.7 123.0 184.6
115 60.3 47.0 70.4



#5
2-Fluorophenol
Concen: 129.219 ng
RT: 5.776 min Scan# 423
Delta R.T. 0.004 min
Lab File: BG055747.D
Acq: 22 Nov 2022 19:59

Tgt Ion:112 Resp: 268537
Ion Ratio Lower Upper
112 100
64 63.8 50.6 76.0
63 34.4 27.5 41.3

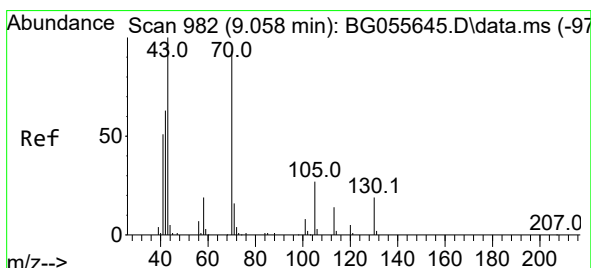
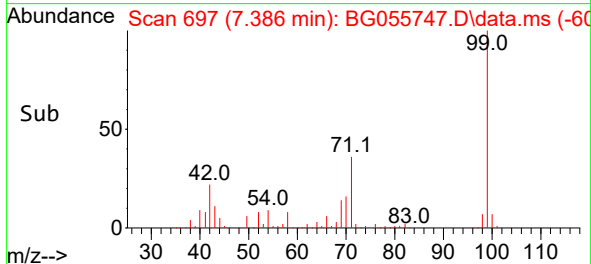
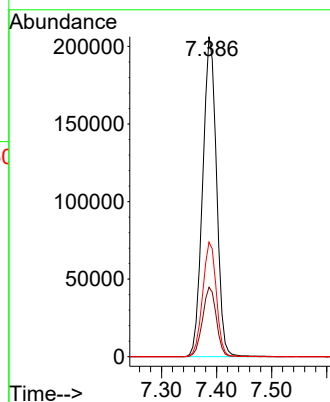
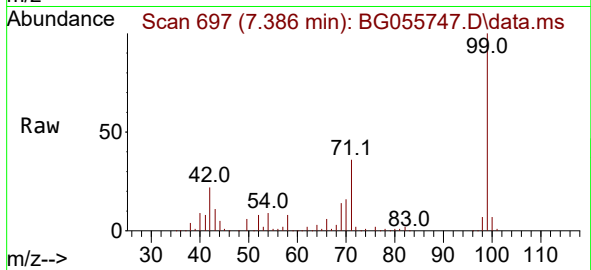




#7
Phenol-d6
Concen: 130.157 ng
RT: 7.386 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG055747.D
Acq: 22 Nov 2022 19:59

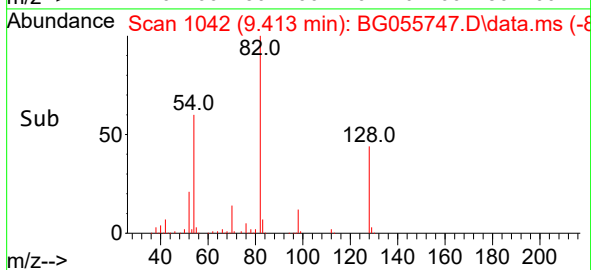
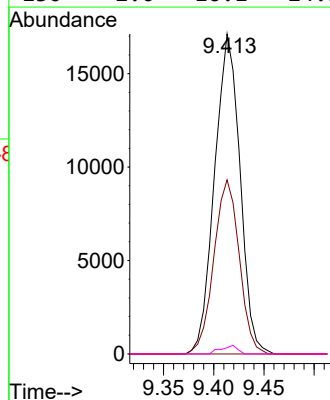
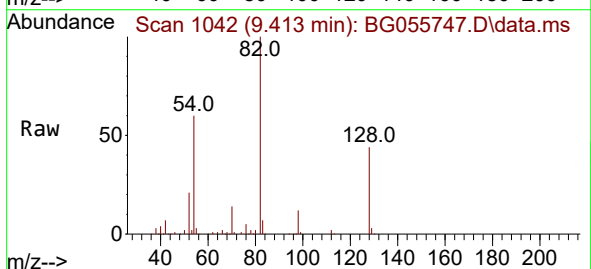
Instrument :
BNA_G
ClientSampleId :
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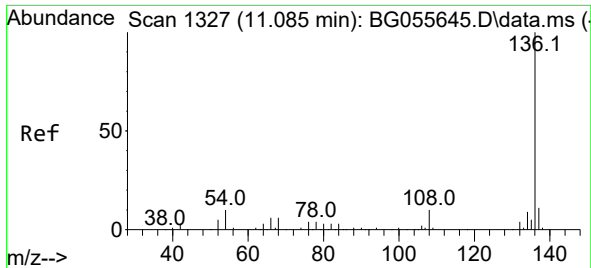
Tgt Ion: 99 Resp: 360061
Ion Ratio Lower Upper
99 100
42 21.7 18.0 27.0
71 35.8 29.0 43.6



#19
n-Nitroso-di-n-propylamine
Concen: 14.164 ng
RT: 9.413 min Scan# 1042
Delta R.T. 0.368 min
Lab File: BG055747.D
Acq: 22 Nov 2022 19:59

Tgt Ion: 70 Resp: 30105
Ion Ratio Lower Upper
70 100
42 54.4 55.2 82.8#
101 0.0 7.1 10.7#
130 2.0 16.1 24.1#

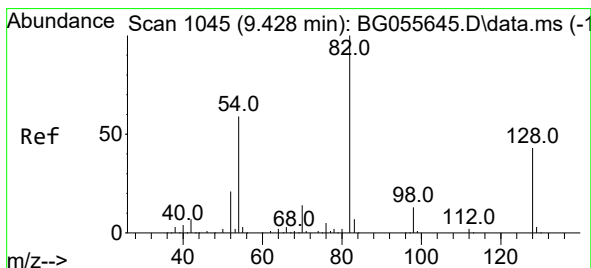
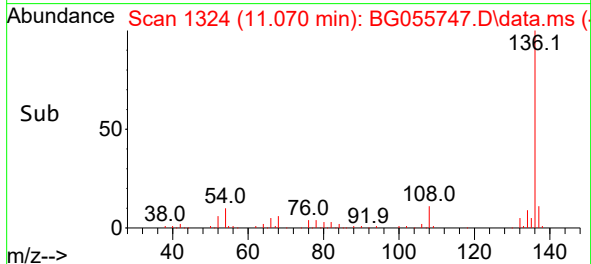
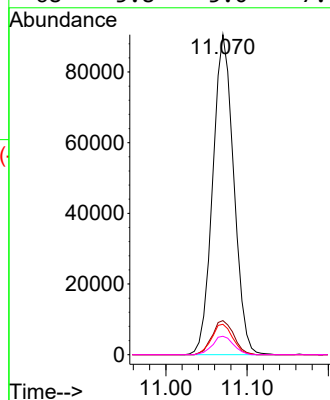
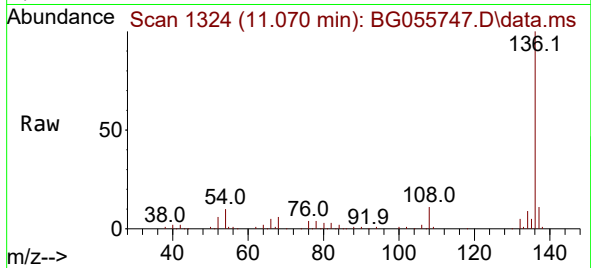




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.070 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG055747.D
Acq: 22 Nov 2022 19:59

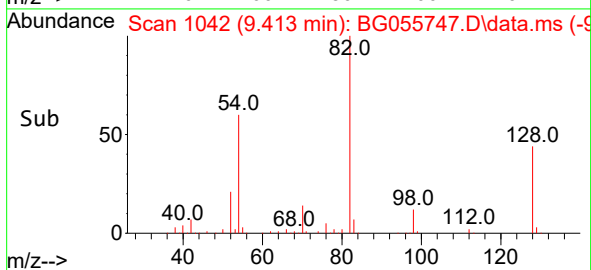
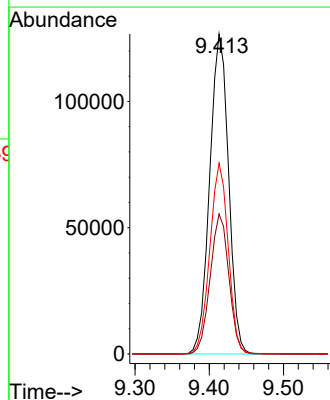
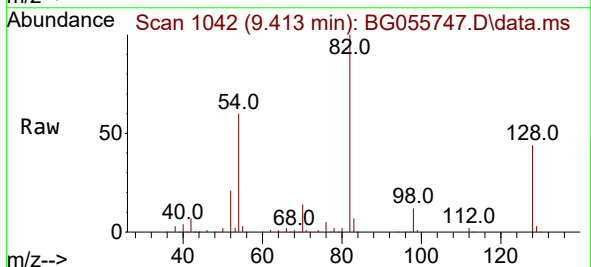
Instrument :
BNA_G
ClientSampleId :
MH-82

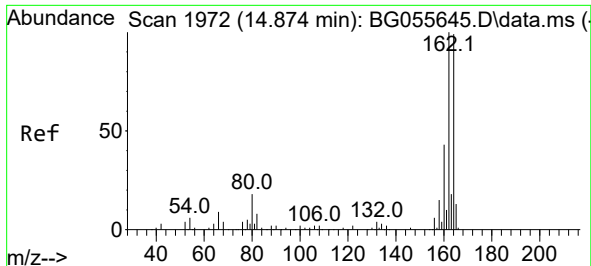
Tgt Ion:	136	Resp:	162266
Ion Ratio	Lower	Upper	
136	100		
137	10.6	9.0	13.6
54	9.5	7.8	11.6
68	5.8	5.0	7.4



#23
Nitrobenzene-d5
Concen: 72.830 ng
RT: 9.413 min Scan# 1042
Delta R.T. -0.002 min
Lab File: BG055747.D
Acq: 22 Nov 2022 19:59

Tgt Ion:	82	Resp:	223590
Ion Ratio	Lower	Upper	
82	100		
128	43.7	34.1	51.1
54	59.6	47.3	70.9

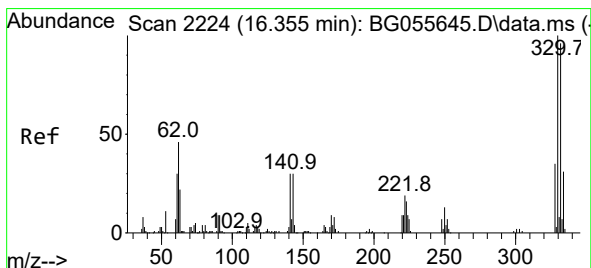
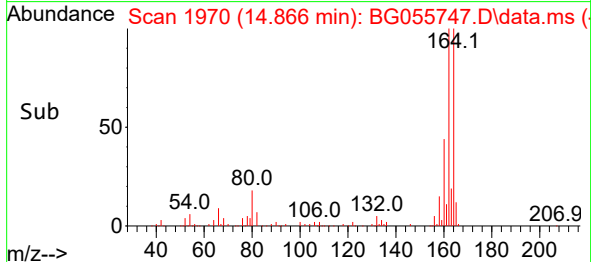
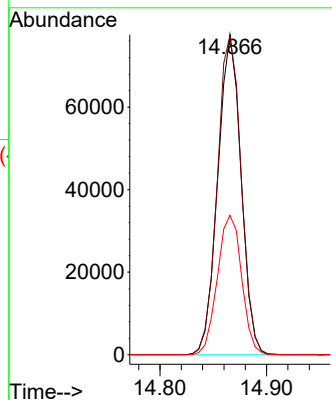
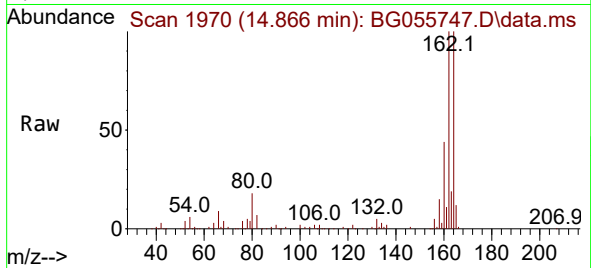




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.866 min Scan# 1972
Delta R.T. -0.002 min
Lab File: BG055747.D
Acq: 22 Nov 2022 19:59

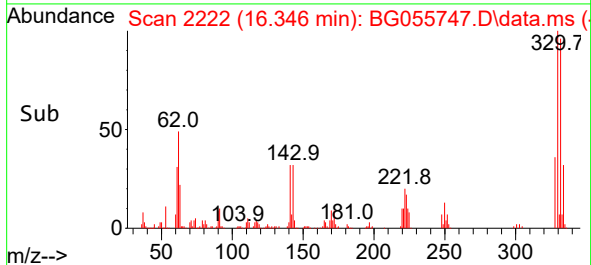
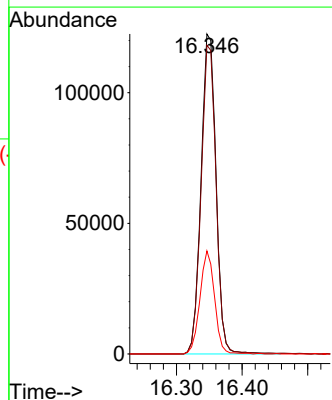
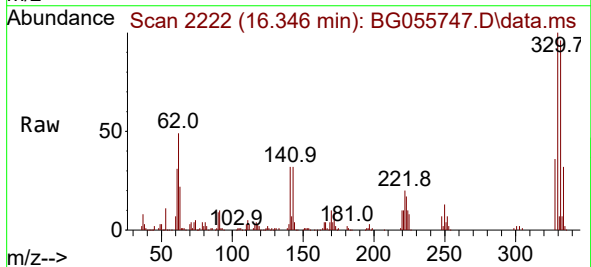
Instrument :
BNA_G
ClientSampleId :
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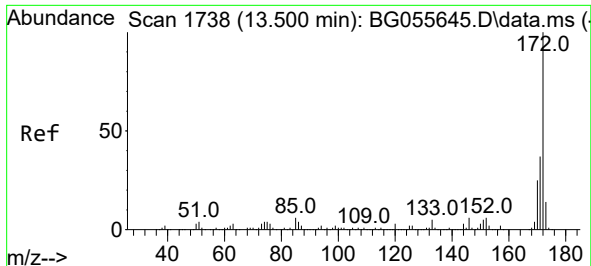
Tgt Ion:164 Resp: 117130
Ion Ratio Lower Upper
164 100
162 99.7 81.1 121.7
160 43.6 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 118.230 ng
RT: 16.346 min Scan# 2222
Delta R.T. -0.002 min
Lab File: BG055747.D
Acq: 22 Nov 2022 19:59

Tgt Ion:330 Resp: 195001
Ion Ratio Lower Upper
330 100
332 96.3 77.8 116.8
141 31.3 23.9 35.9

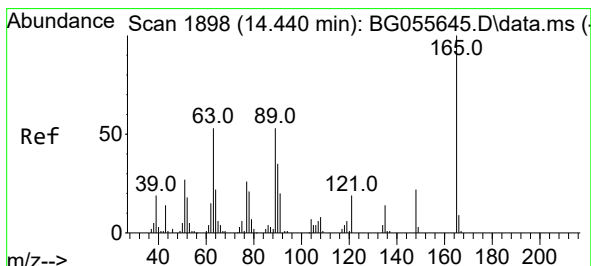
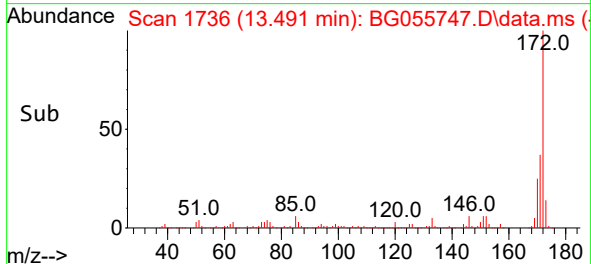
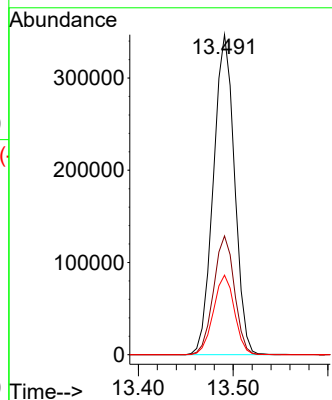
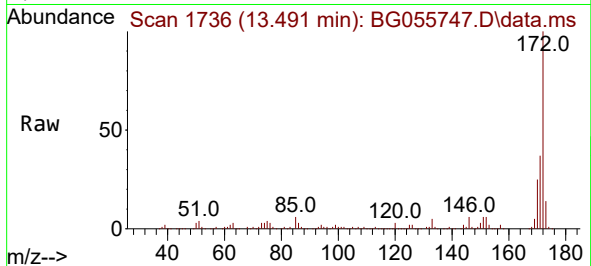




#45
2-Fluorobiphenyl
Concen: 68.611 ng
RT: 13.491 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG055747.D
Acq: 22 Nov 2022 19:59

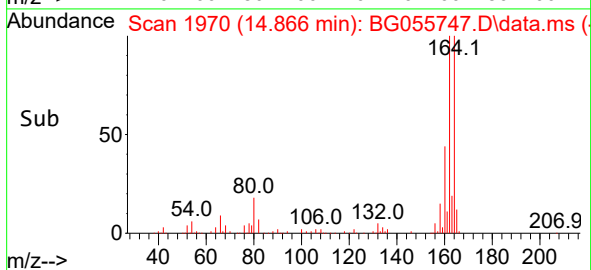
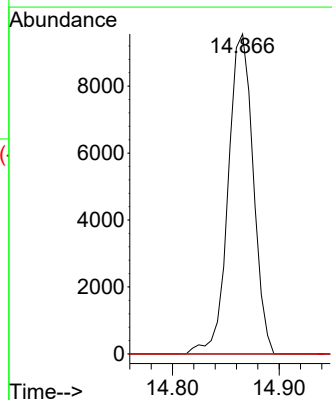
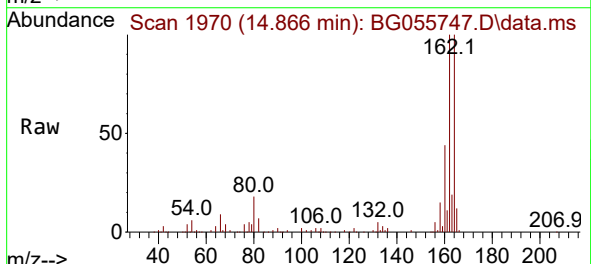
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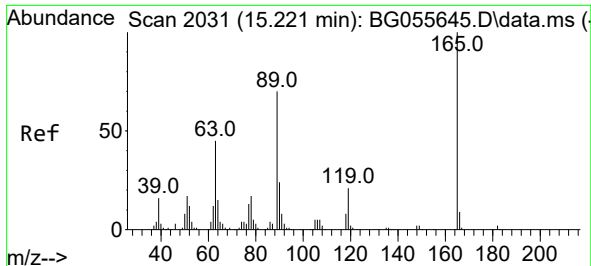
Tgt Ion:172 Resp: 536433
Ion Ratio Lower Upper
172 100
171 37.1 29.8 44.6
170 24.8 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 8.160 ng
RT: 14.866 min Scan# 1970
Delta R.T. 0.433 min
Lab File: BG055747.D
Acq: 22 Nov 2022 19:59

Tgt Ion:165 Resp: 15578
Ion Ratio Lower Upper
165 100
63 0.0 44.6 66.8#
89 0.0 42.2 63.4#





#57

2,4-Dinitrotoluene

Concen: 5.787 ng

RT: 14.866 min Scan# 14

Delta R.T. -0.354 min

Lab File: BG055747.D

Acq: 22 Nov 2022 19:59

Instrument :

BNA_G

ClientSampleId :

MH-82

Tgt Ion:165 Resp: 15578

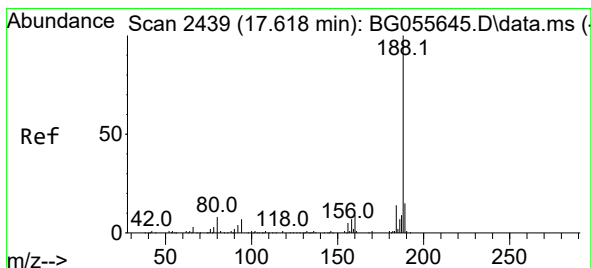
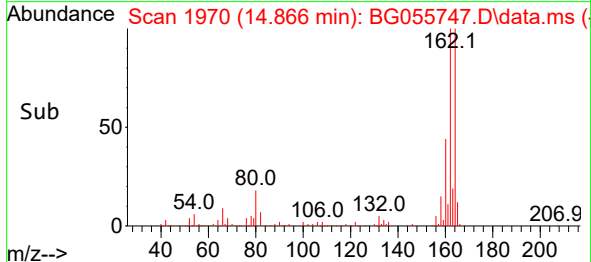
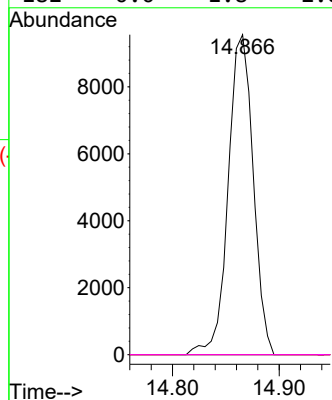
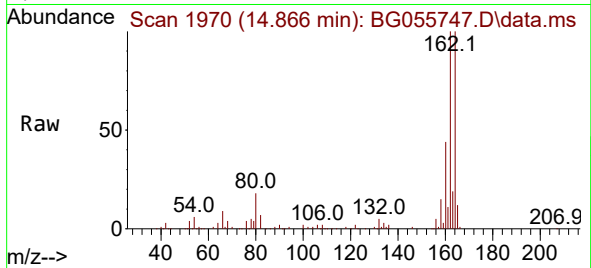
Ion Ratio Lower Upper

165 100

63 0.0 35.8 53.8#

89 0.0 56.2 84.4#

182 0.0 1.8 2.8#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.610 min Scan# 2437

Delta R.T. 0.004 min

Lab File: BG055747.D

Acq: 22 Nov 2022 19:59

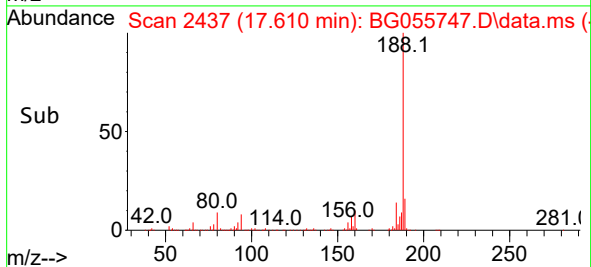
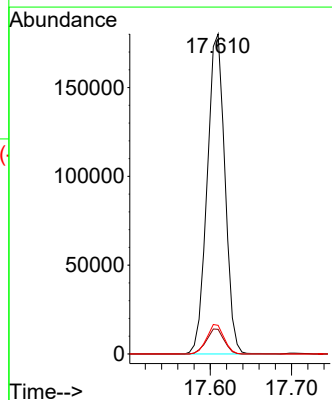
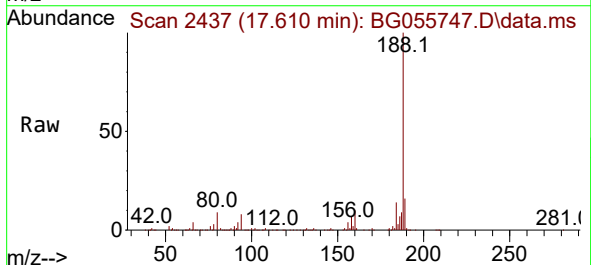
Tgt Ion:188 Resp: 272551

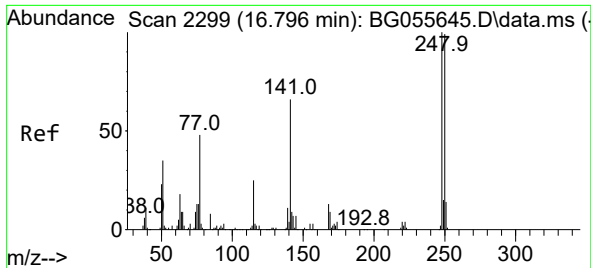
Ion Ratio Lower Upper

188 100

94 7.7 5.4 8.2

80 9.0 6.6 10.0

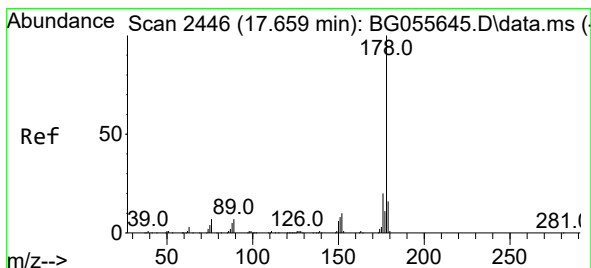
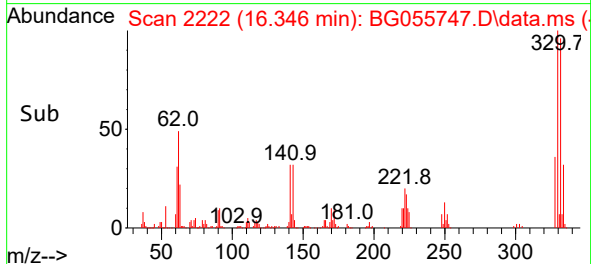
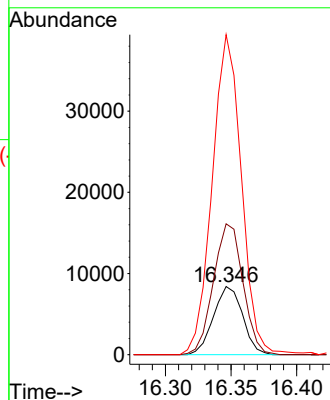
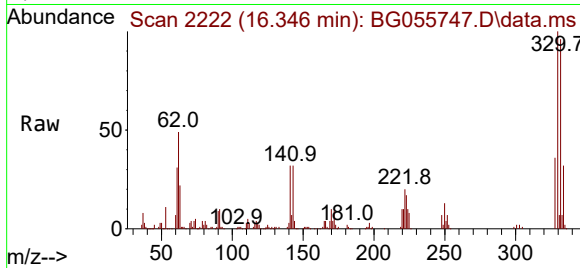




#67
4-Bromophenyl-phenylether
Concen: 4.162 ng
RT: 16.346 min Scan# 211
Delta R.T. -0.442 min
Lab File: BG055747.D
Acq: 22 Nov 2022 19:59

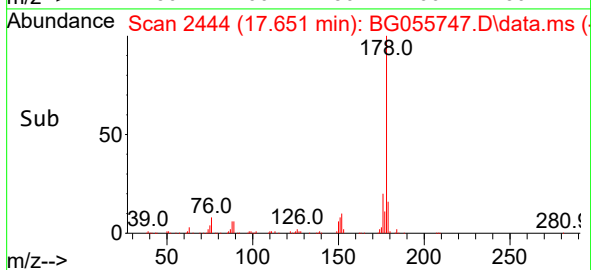
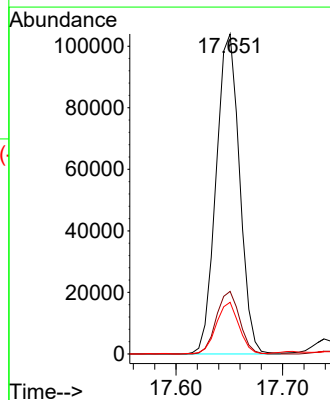
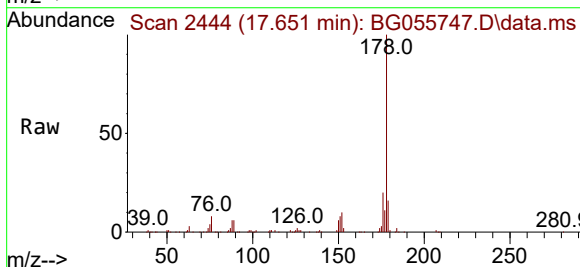
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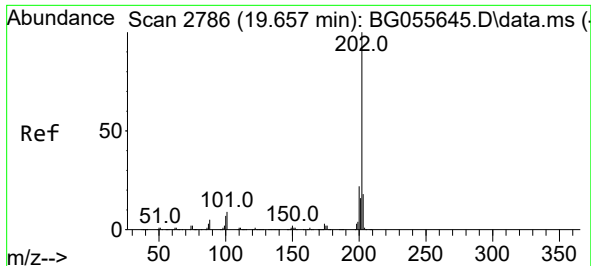
Tgt Ion:248 Resp: 12926
Ion Ratio Lower Upper
248 100
250 191.9 79.0 118.4#
141 469.0 52.9 79.3#



#71
Phenanthrene
Concen: 10.804 ng
RT: 17.651 min Scan# 2444
Delta R.T. -0.002 min
Lab File: BG055747.D
Acq: 22 Nov 2022 19:59

Tgt Ion:178 Resp: 158901
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 16.1 12.7 19.1

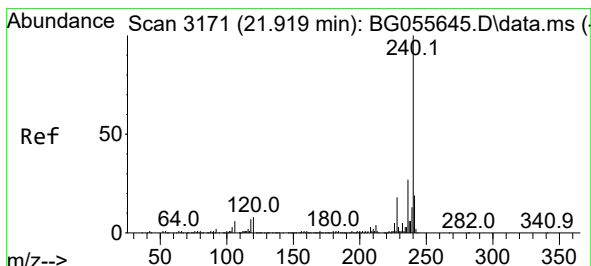
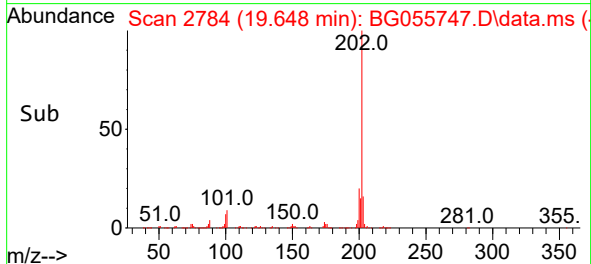
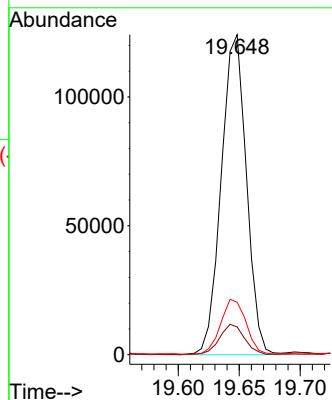
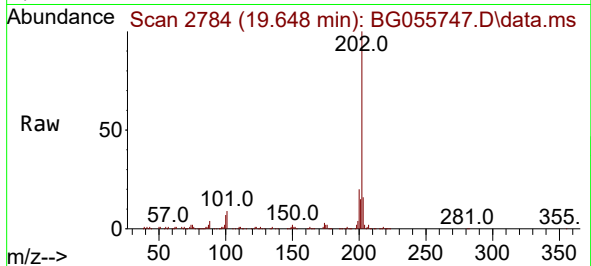




#75
Fluoranthene
Concen: 9.988 ng
RT: 19.648 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG055747.D
Acq: 22 Nov 2022 19:59

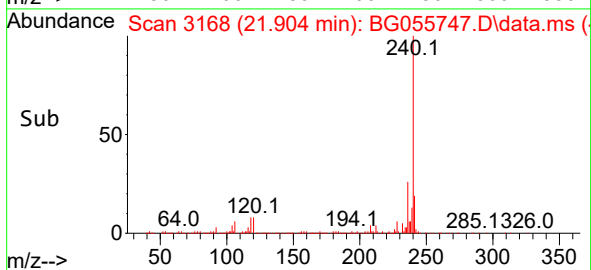
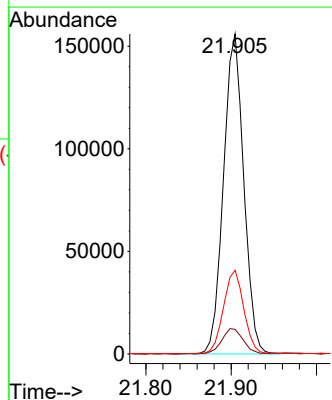
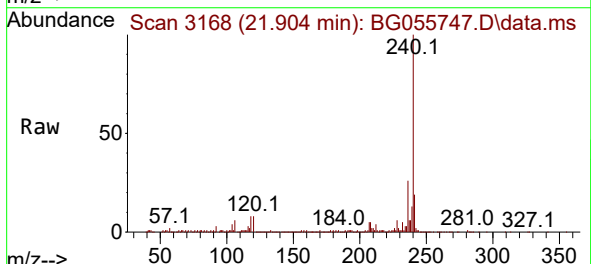
Instrument :
BNA_G
ClientSampleId :
MH-82

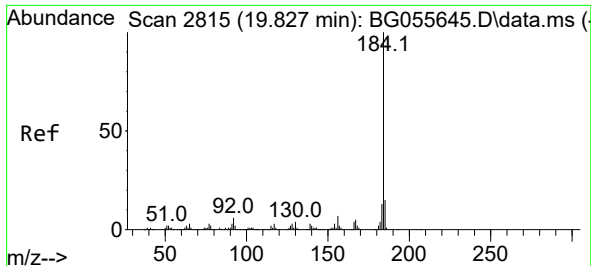
Tgt Ion:202 Resp: 178714
Ion Ratio Lower Upper
202 100
101 8.6 0.0 28.8
203 16.4 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.904 min Scan# 3168
Delta R.T. -0.002 min
Lab File: BG055747.D
Acq: 22 Nov 2022 19:59

Tgt Ion:240 Resp: 257696
Ion Ratio Lower Upper
240 100
120 7.7 6.3 9.5
236 26.2 21.9 32.9

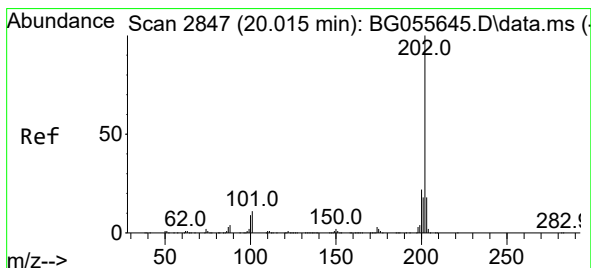
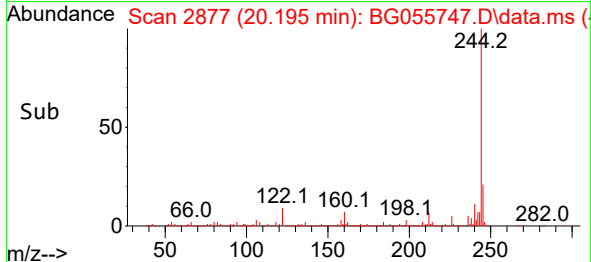
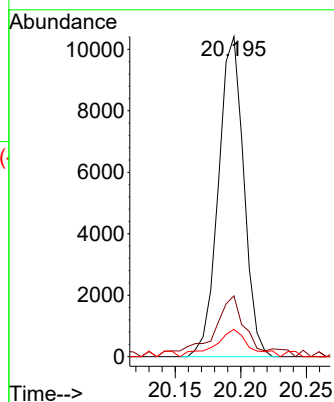
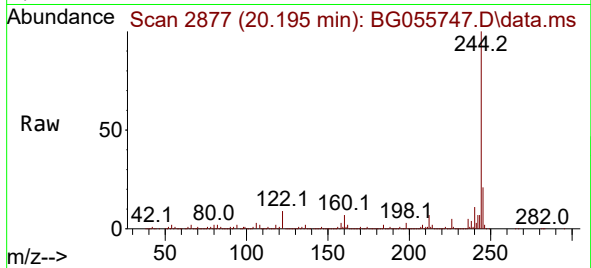




#77
Benzidine
Concen: 2.344 ng
RT: 20.195 min Scan# 2877
Delta R.T. 0.380 min
Lab File: BG055747.D
Acq: 22 Nov 2022 19:59

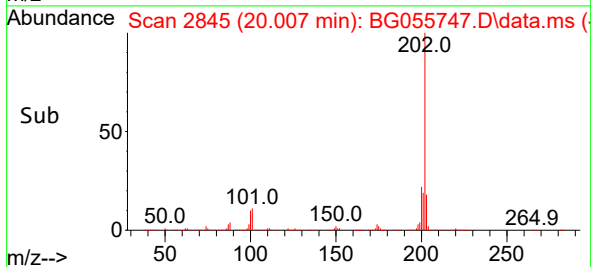
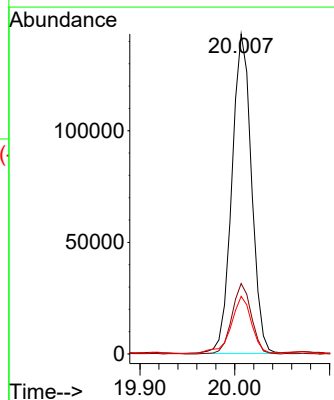
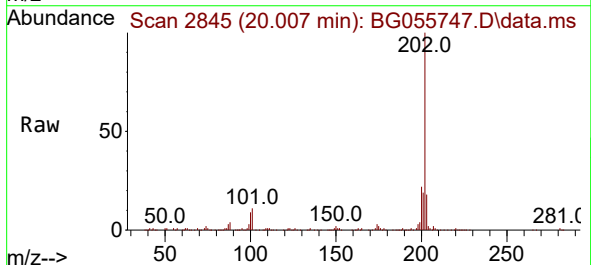
Instrument :
BNA_G
ClientSampleId :
MH-82

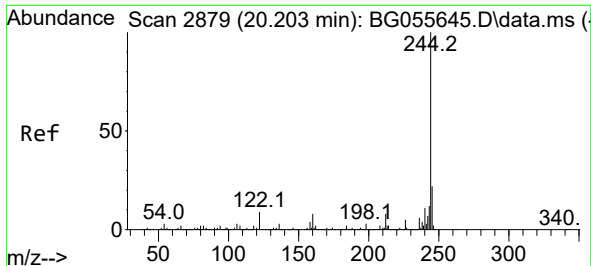
Tgt Ion:184 Resp: 13974
Ion Ratio Lower Upper
184 100
185 19.0 11.8 17.8#
183 8.6 10.6 15.8#



#78
Pyrene
Concen: 11.762 ng
RT: 20.007 min Scan# 2845
Delta R.T. -0.002 min
Lab File: BG055747.D
Acq: 22 Nov 2022 19:59

Tgt Ion:202 Resp: 205171
Ion Ratio Lower Upper
202 100
200 22.0 17.8 26.6
203 18.0 14.4 21.6

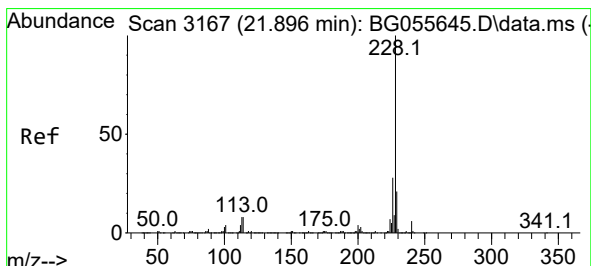
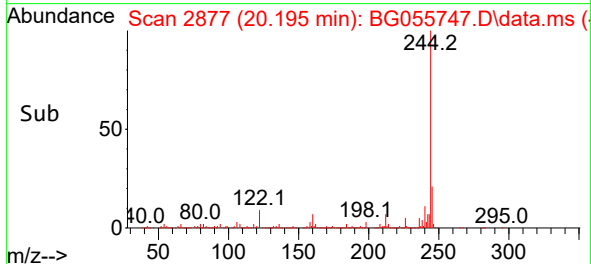
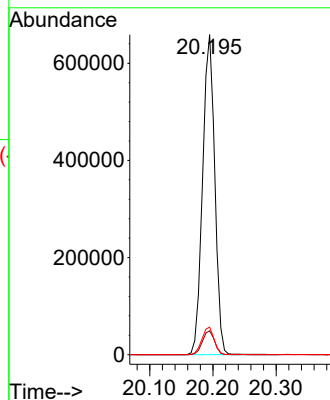
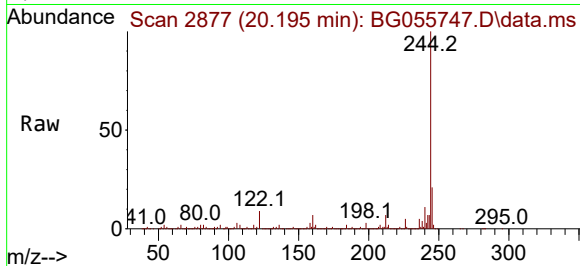




#79
 Terphenyl-d14
 Concen: 68.373 ng
 RT: 20.195 min Scan# 21
 Delta R.T. 0.004 min
 Lab File: BG055747.D
 Acq: 22 Nov 2022 19:59

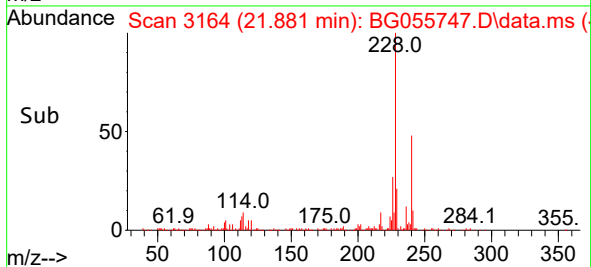
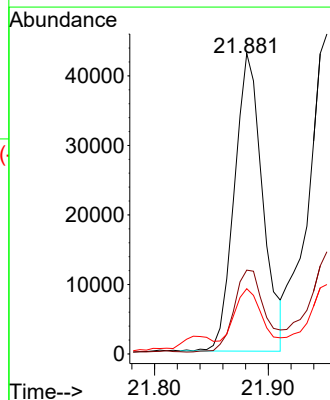
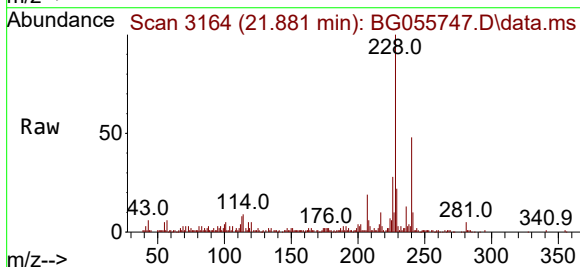
Instrument :
 BNA_G
 ClientSampleId :
 MH-82

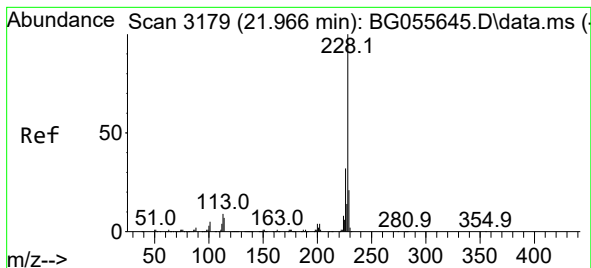
Tgt Ion:244 Resp: 880915
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.3 9.5
 122 8.6 6.9 10.3



#81
 Benzo(a)anthracene
 Concen: 4.174 ng
 RT: 21.881 min Scan# 3164
 Delta R.T. -0.002 min
 Lab File: BG055747.D
 Acq: 22 Nov 2022 19:59

Tgt Ion:228 Resp: 74093
 Ion Ratio Lower Upper
 228 100
 226 27.9 22.7 34.1
 229 21.8 16.5 24.7





#83

Chrysene

Concen: 5.434 ng

RT: 21.951 min Scan# 31

Delta R.T. -0.002 min

Lab File: BG055747.D

Acq: 22 Nov 2022 19:59

Instrument :

BNA_G

ClientSampleId :

MH-82

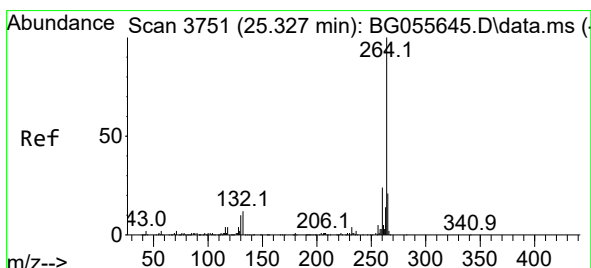
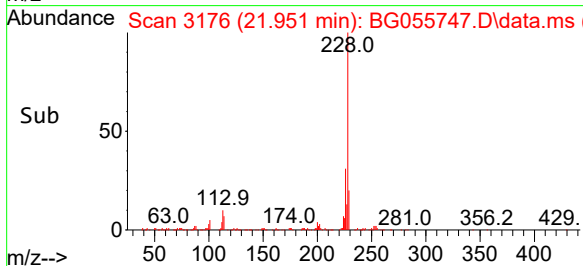
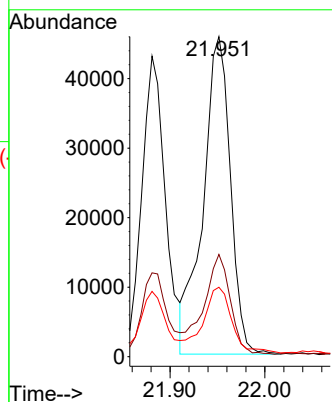
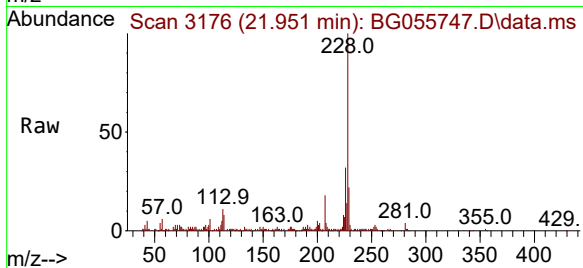
Tgt Ion:228 Resp: 91810

Ion Ratio Lower Upper

228 100

226 32.0 25.4 38.2

229 21.7 17.1 25.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.312 min Scan# 3748

Delta R.T. 0.010 min

Lab File: BG055747.D

Acq: 22 Nov 2022 19:59

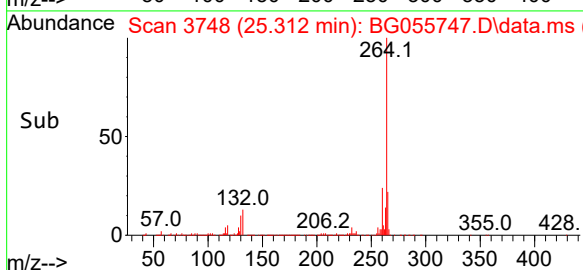
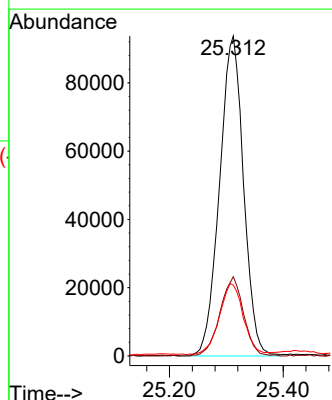
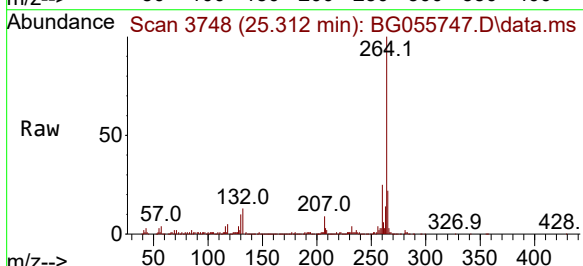
Tgt Ion:264 Resp: 274512

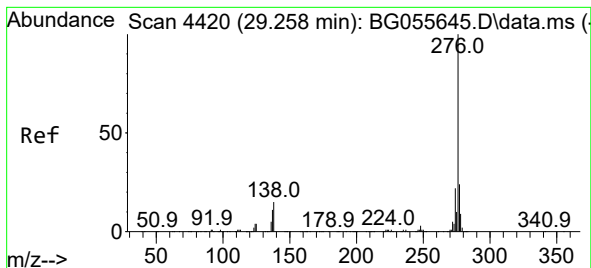
Ion Ratio Lower Upper

264 100

260 24.8 19.5 29.3

265 22.2 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.352 ng

RT: 29.214 min Scan# 4412

Delta R.T. -0.019 min

Lab File: BG055747.D

Acq: 22 Nov 2022 19:59

Instrument :

BNA_G

ClientSampleId :

MH-82

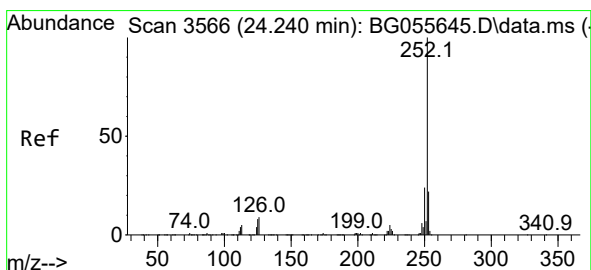
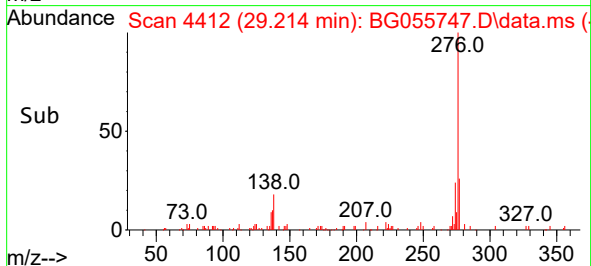
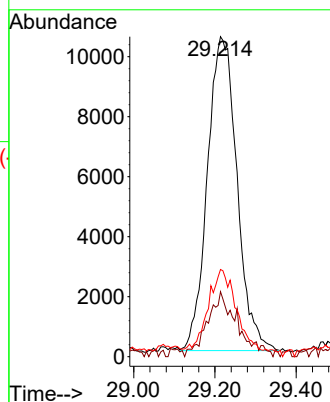
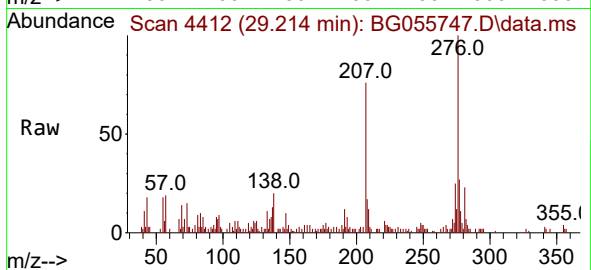
Tgt Ion:276 Resp: 52889

Ion Ratio Lower Upper

276 100

138 20.0 10.4 15.6#

277 23.7 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 5.590 ng

RT: 24.219 min Scan# 3562

Delta R.T. -0.002 min

Lab File: BG055747.D

Acq: 22 Nov 2022 19:59

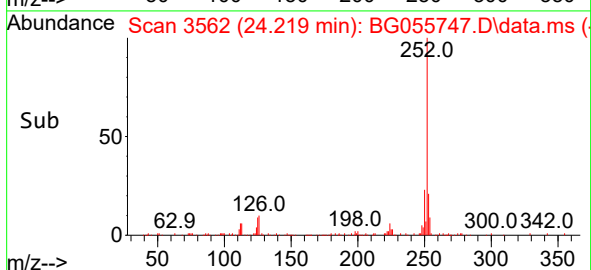
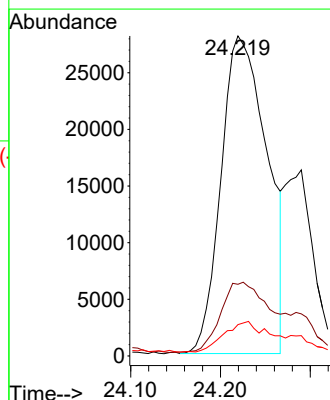
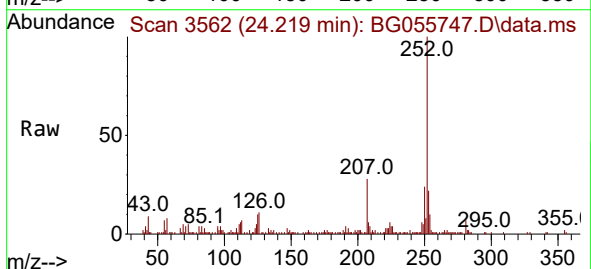
Tgt Ion:252 Resp: 99944

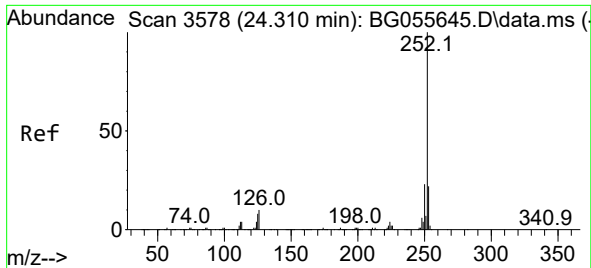
Ion Ratio Lower Upper

252 100

253 22.4 18.0 27.0

125 9.8 6.2 9.2#

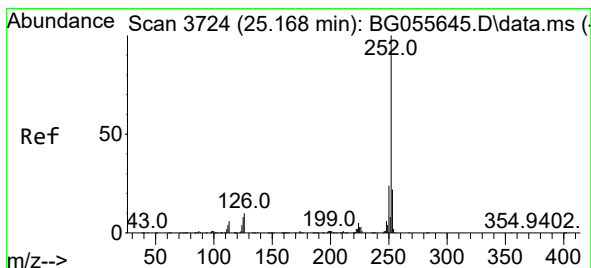
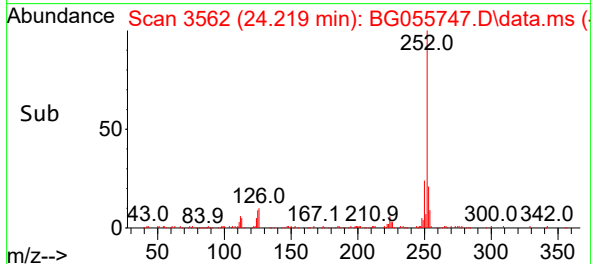
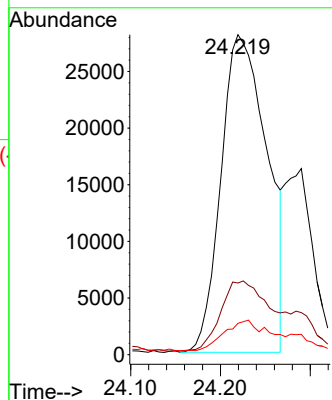
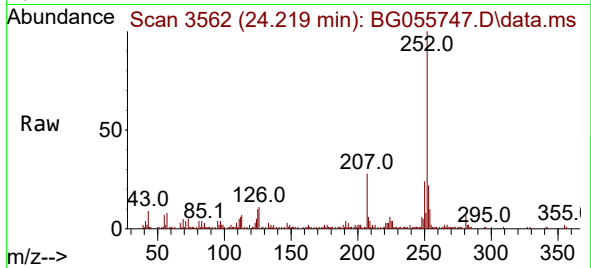




#89
Benzo(k)fluoranthene
Concen: 5.608 ng
RT: 24.219 min Scan# 31
Delta R.T. -0.072 min
Lab File: BG055747.D
Acq: 22 Nov 2022 19:59

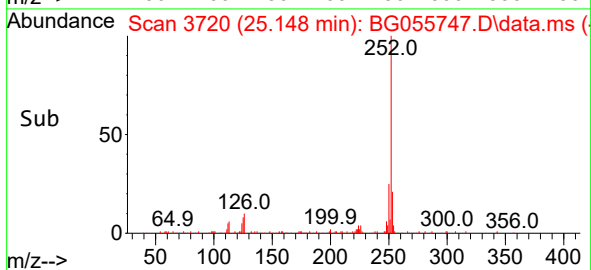
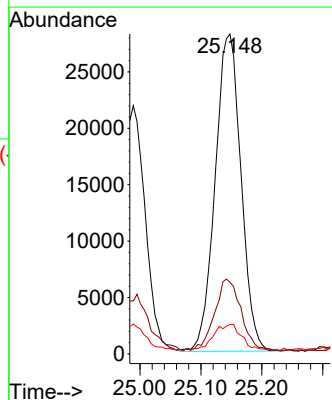
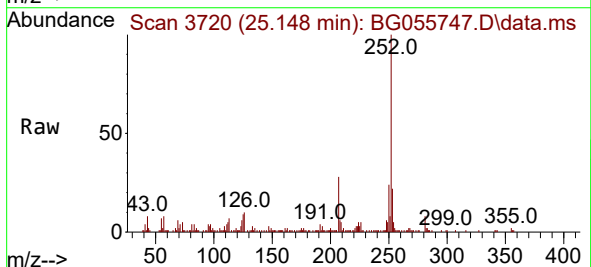
Instrument :
BNA_G
ClientSampleId :
MH-82

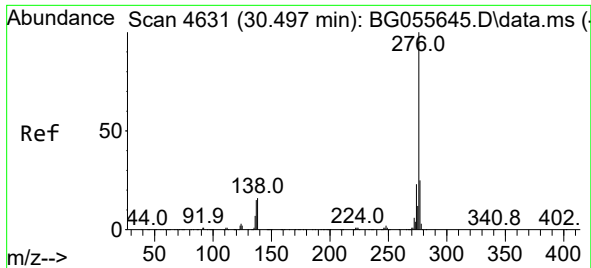
Tgt Ion:252 Resp: 99944
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.6
125 9.8 6.1 9.1#



#90
Benzo(a)pyrene
Concen: 5.403 ng
RT: 25.148 min Scan# 3720
Delta R.T. -0.002 min
Lab File: BG055747.D
Acq: 22 Nov 2022 19:59

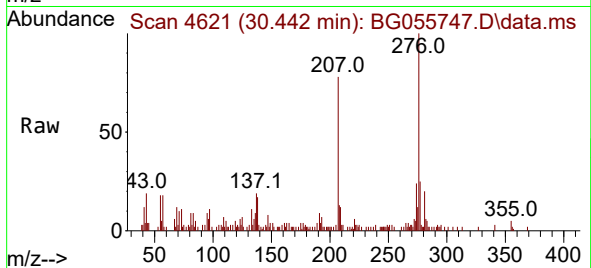
Tgt Ion:252 Resp: 82893
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.6
125 9.2 6.4 9.6





#92
 Benzo(g,h,i)perylene
 Concen: 3.170 ng
 RT: 30.442 min Scan# 4
 Delta R.T. -0.019 min
 Lab File: BG055747.D
 Acq: 22 Nov 2022 19:59

Instrument :
 BNA_G
 ClientSampleId :
 MH-82



Tgt Ion:	276	Resp:	58723
Ion Ratio	Lower	Upper	
276	100		
277	24.6	19.8	29.6
138	16.7	13.1	19.7

