

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)

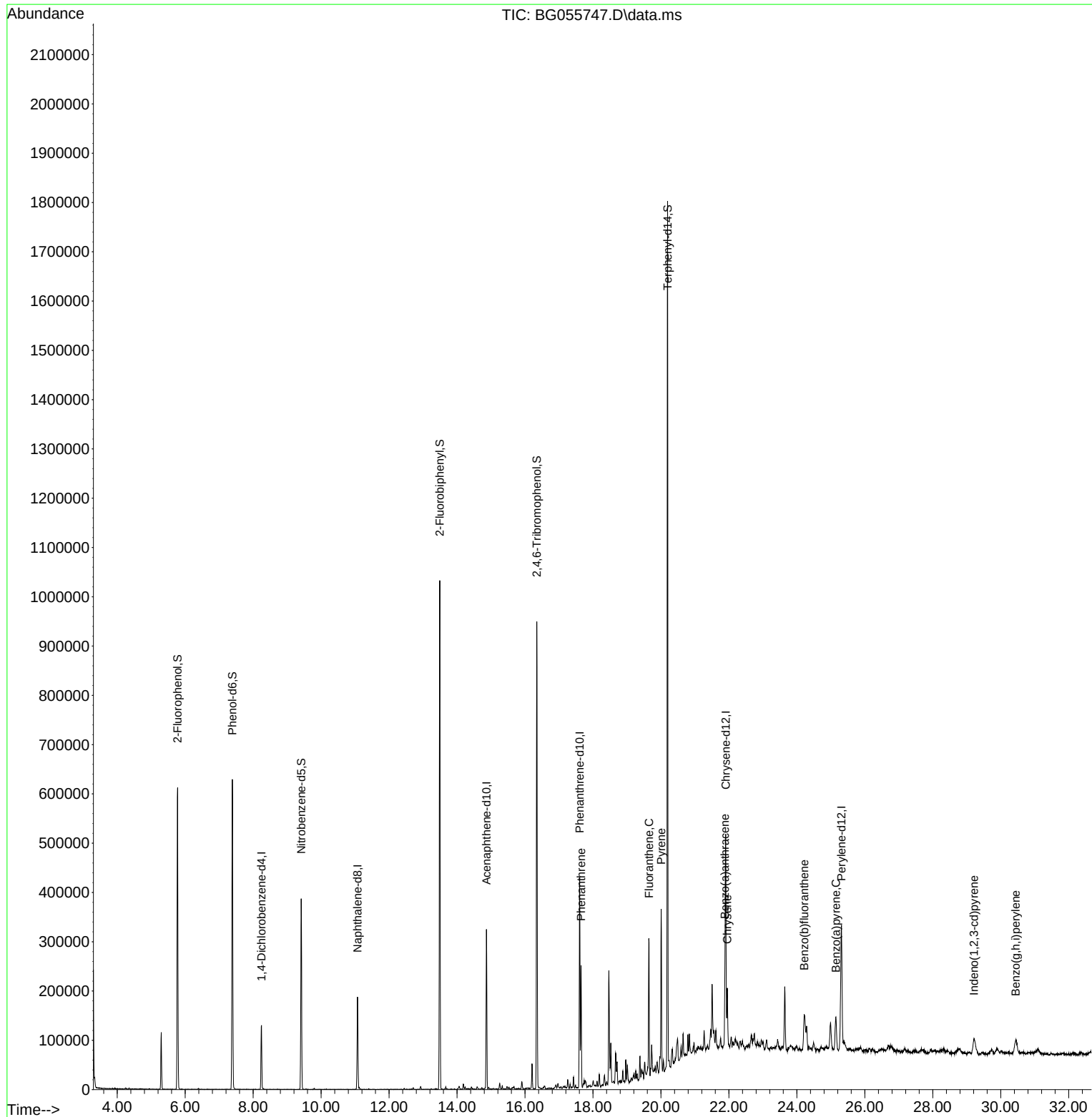
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.244	152	37563	20.000	ng	0.00
21) Naphthalene-d8	11.070	136	162266	20.000	ng	0.00
39) Acenaphthene-d10	14.866	164	117130	20.000	ng	0.00
64) Phenanthrene-d10	17.610	188	272551	20.000	ng	0.00
76) Chrysene-d12	21.904	240	257696	20.000	ng	0.00
86) Perylene-d12	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						
						Qvalue
71) Phenanthrene	17.651	178	158901	10.804	ng	99
75) Fluoranthene	19.648	202	178714	9.988	ng	97
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
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

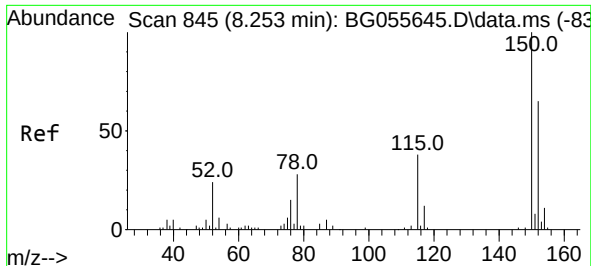
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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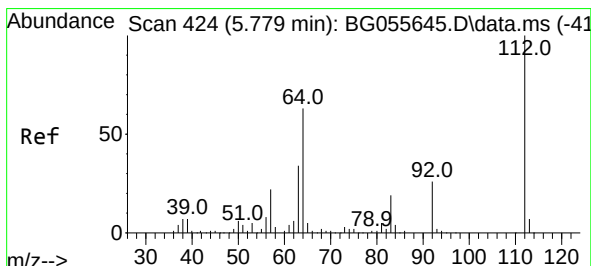
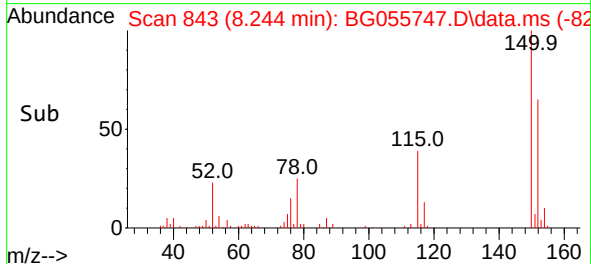
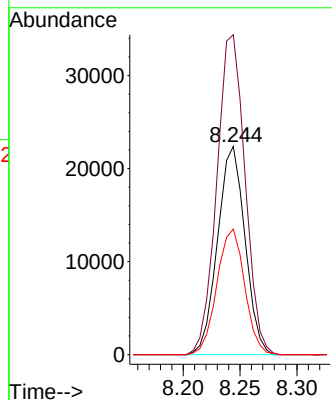
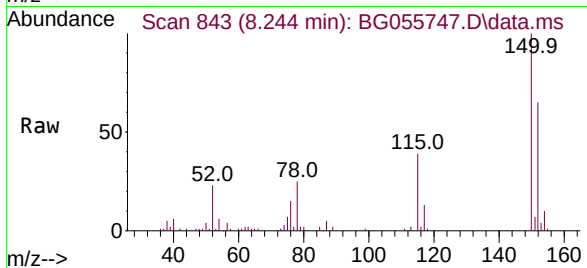




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.244 min Scan# 84
Delta R.T. -0.002 min
Lab File: BG055747.D
Acq: 22 Nov 2022 19:59

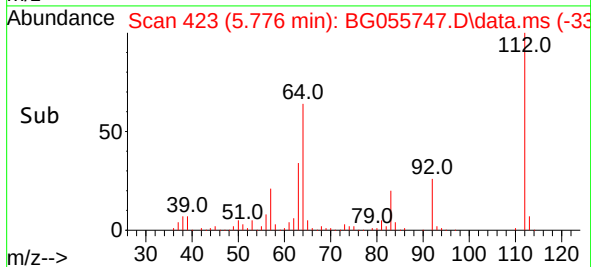
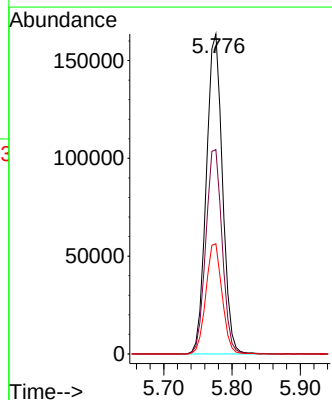
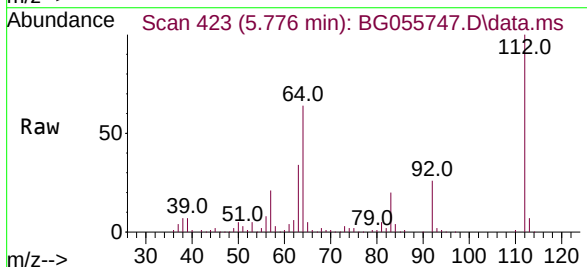
Instrument :
BNA_G
ClientSampleId :
MH-82

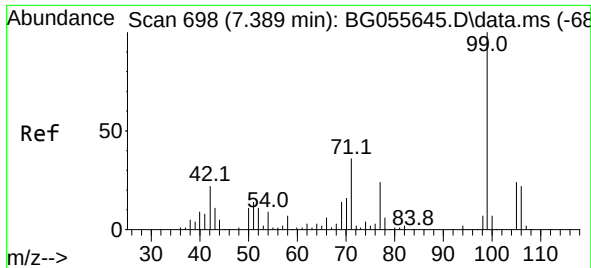
Tgt Ion:152 Resp: 37563
Ion Ratio Lower Upper
152 100
150 153.7 123.0 184.6
115 60.3 47.0 70.4



#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

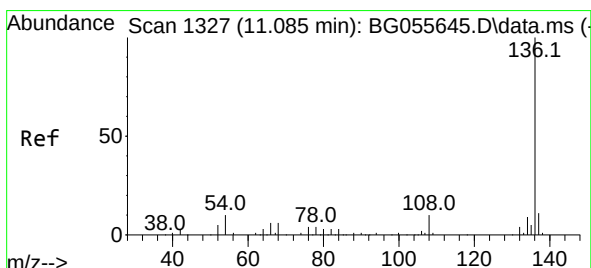
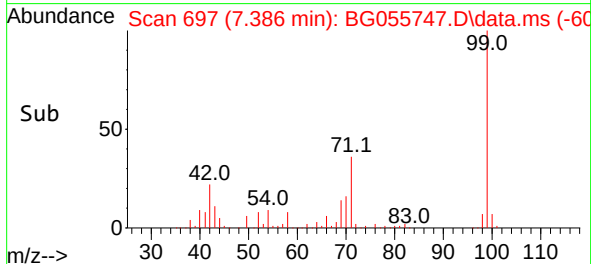
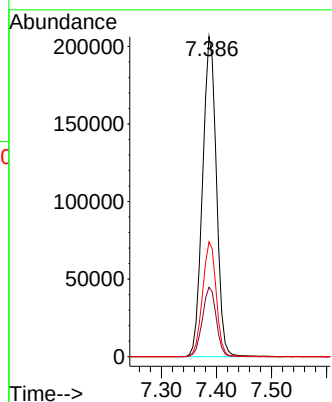
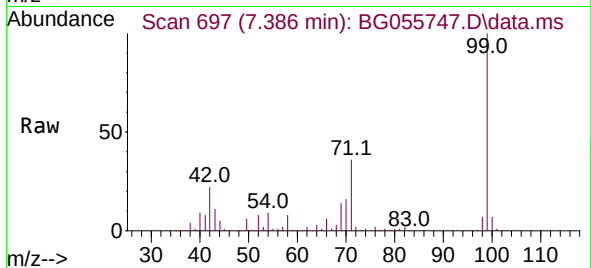




#7
Phenol-d6
Concen: 130.157 ng
RT: 7.386 min Scan# 69
Delta R.T. -0.002 min
Lab File: BG055747.D
Acq: 22 Nov 2022 19:59

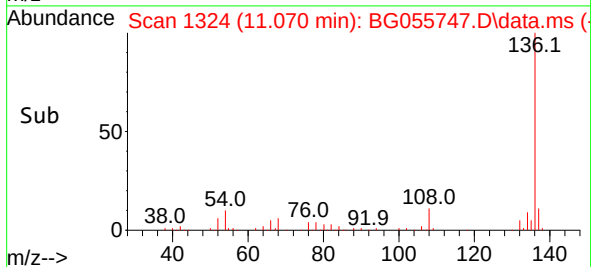
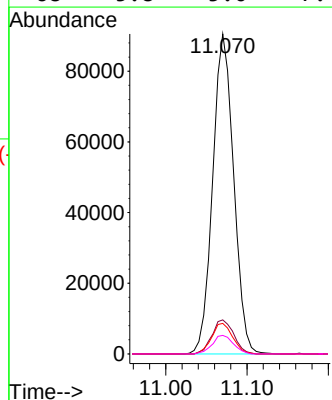
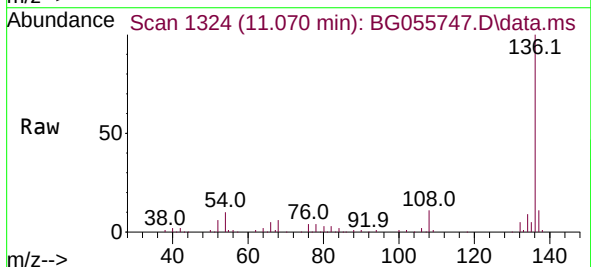
Instrument :
BNA_G
ClientSampleId :
MH-82

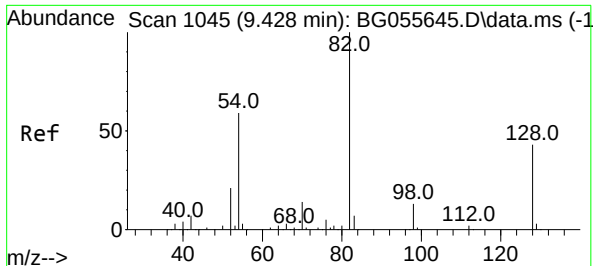
Tgt Ion: 99 Resp: 360061
Ion Ratio Lower Upper
99 100
42 21.7 18.0 27.0
71 35.8 29.0 43.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.070 min Scan# 1324
Delta R.T. -0.002 min
Lab File: BG055747.D
Acq: 22 Nov 2022 19:59

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

Instrument :

BNA_G

ClientSampleId :

MH-82

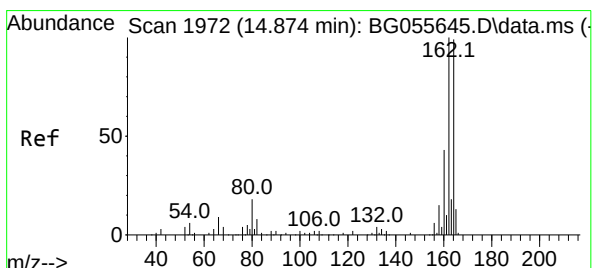
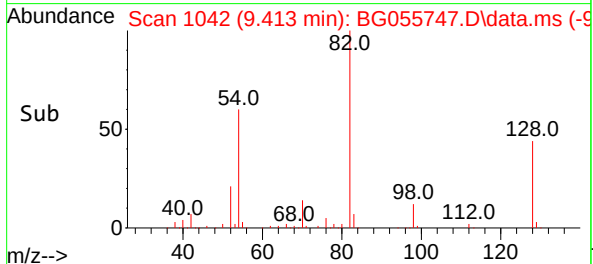
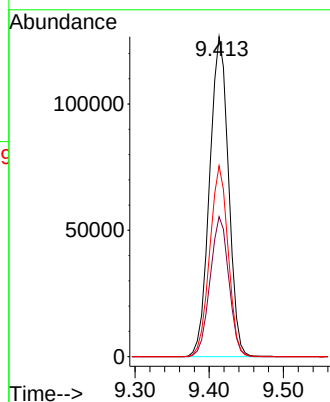
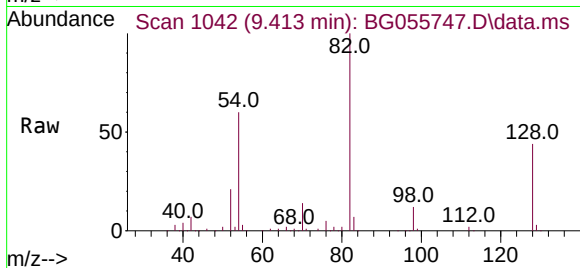
Tgt Ion: 82 Resp: 223590

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# 1970

Delta R.T. -0.002 min

Lab File: BG055747.D

Acq: 22 Nov 2022 19:59

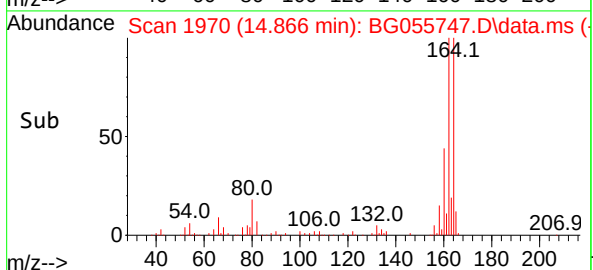
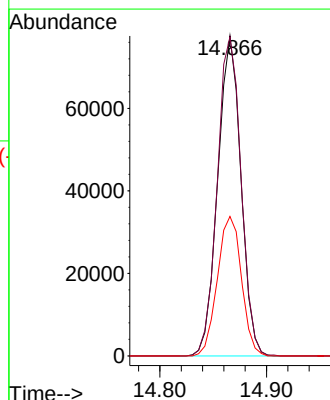
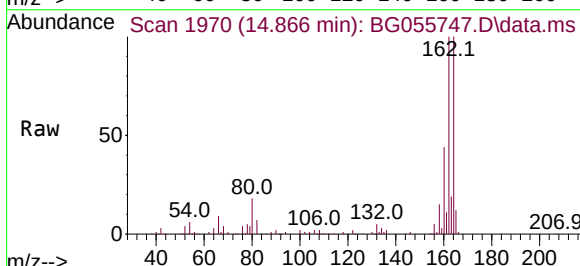
Tgt Ion:164 Resp: 117130

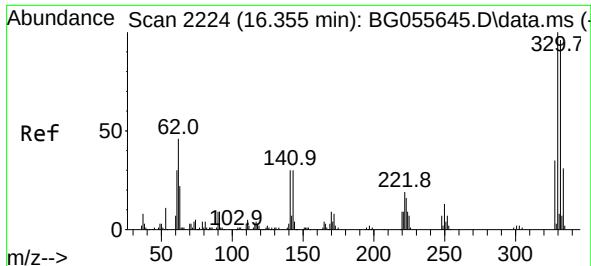
Ion Ratio Lower Upper

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# 21

Delta R.T. -0.002 min

Lab File: BG055747.D

Acq: 22 Nov 2022 19:59

Instrument :

BNA_G

ClientSampleId :

MH-82

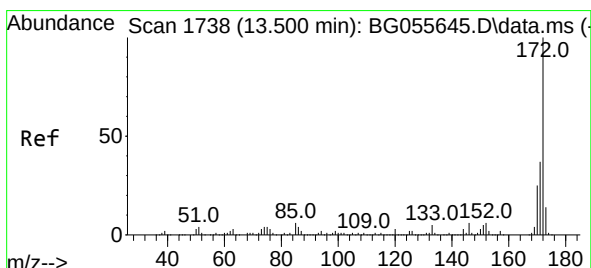
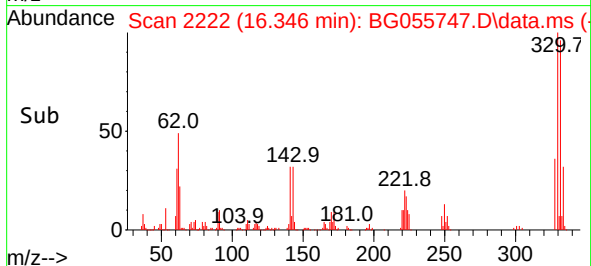
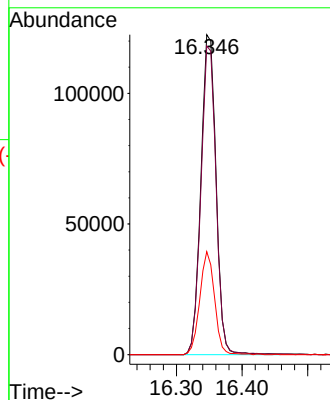
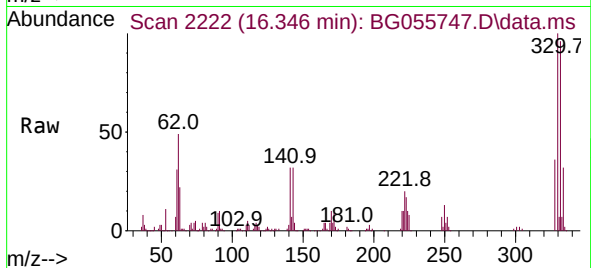
Tgt Ion:330 Resp: 195001

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# 1736

Delta R.T. -0.002 min

Lab File: BG055747.D

Acq: 22 Nov 2022 19:59

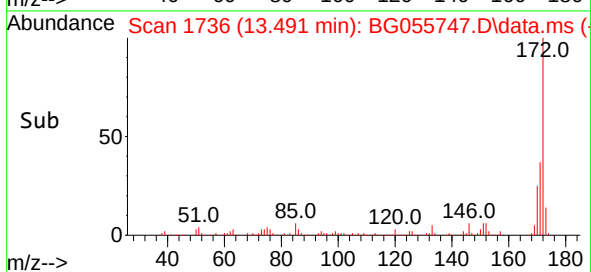
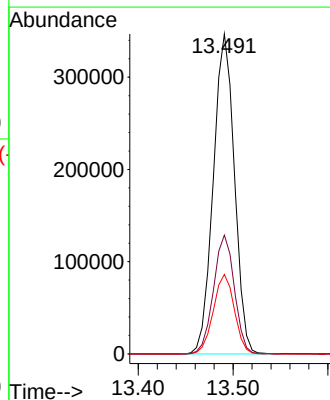
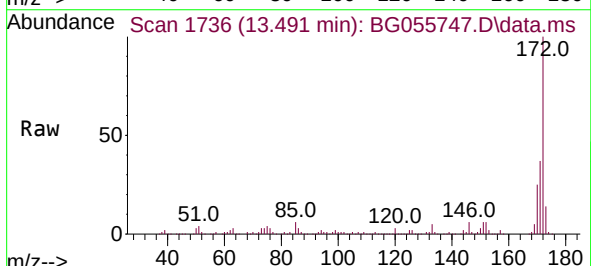
Tgt Ion:172 Resp: 536433

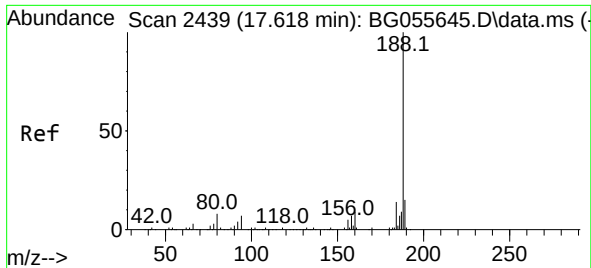
Ion Ratio Lower Upper

172 100

171 37.1 29.8 44.6

170 24.8 20.2 30.4

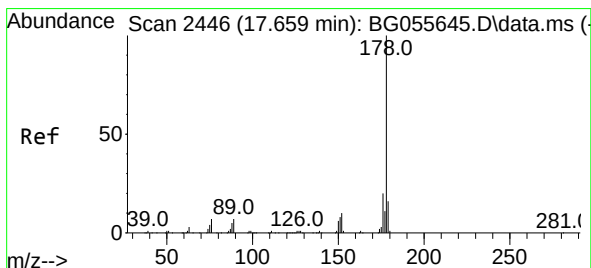
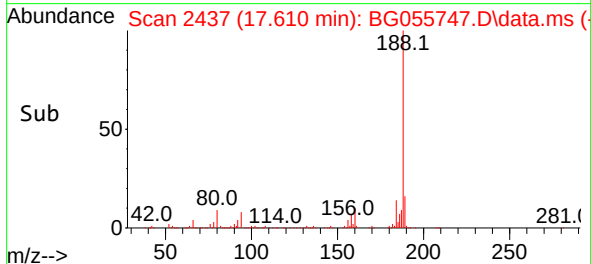
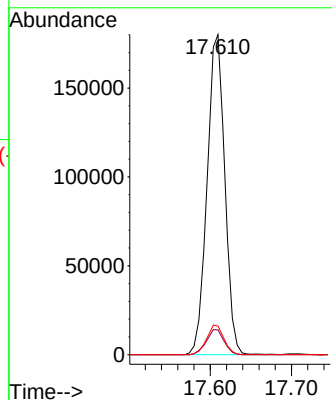
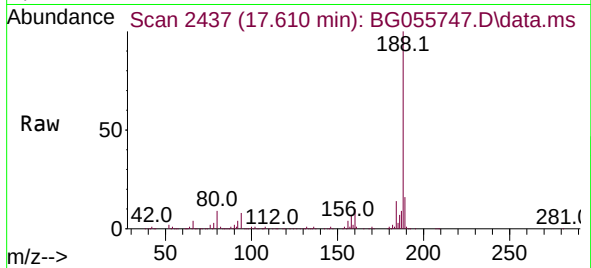




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.610 min Scan# 2439
Delta R.T. 0.004 min
Lab File: BG055747.D
Acq: 22 Nov 2022 19:59

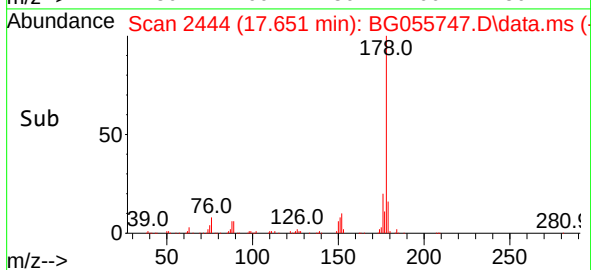
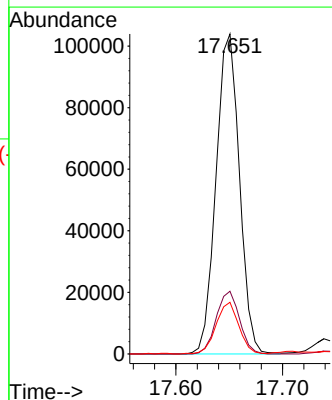
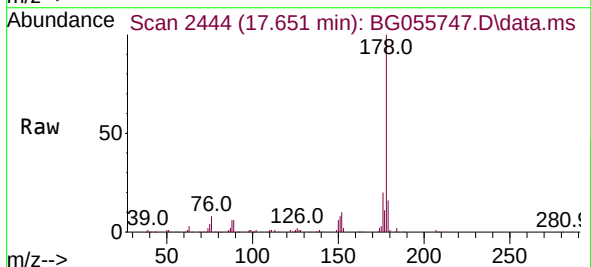
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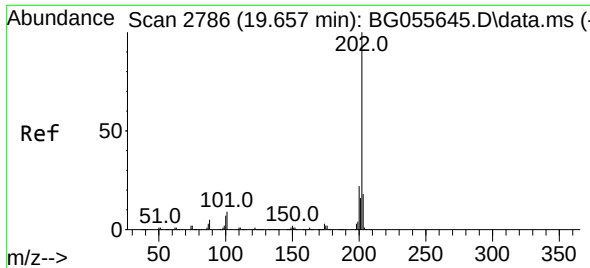
Tgt Ion:188 Resp: 272551
Ion Ratio Lower Upper
188 100
94 7.7 5.4 8.2
80 9.0 6.6 10.0



#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

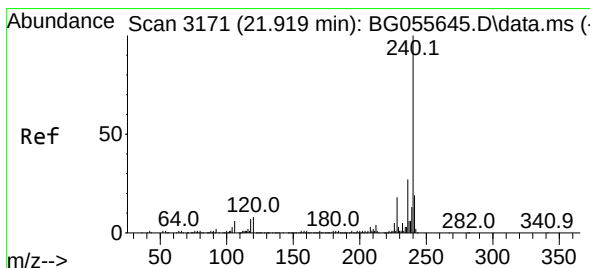
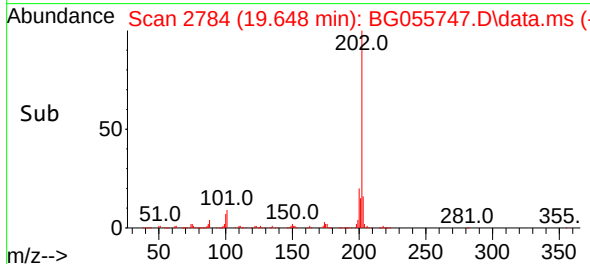
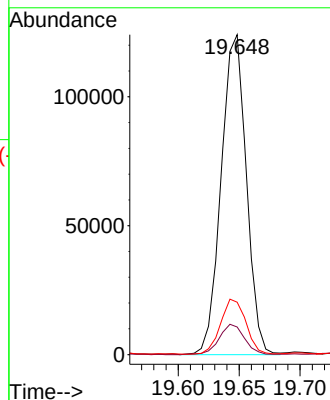
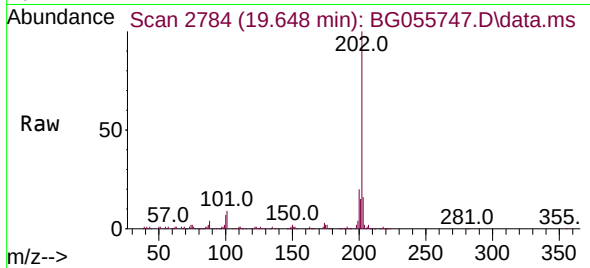




#75
Fluoranthene
Concen: 9.988 ng
RT: 19.648 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG055747.D
Acq: 22 Nov 2022 19:59

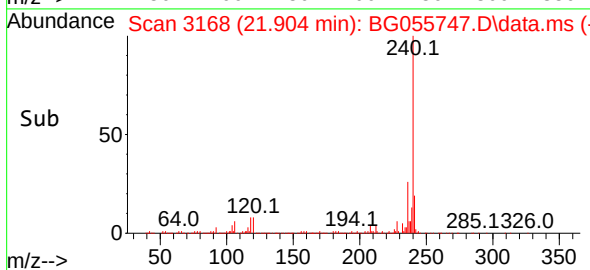
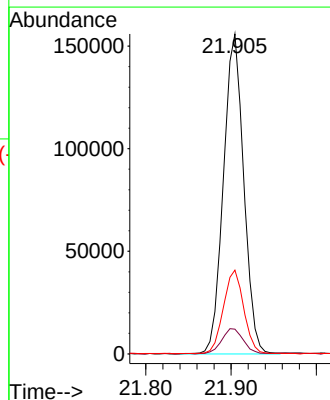
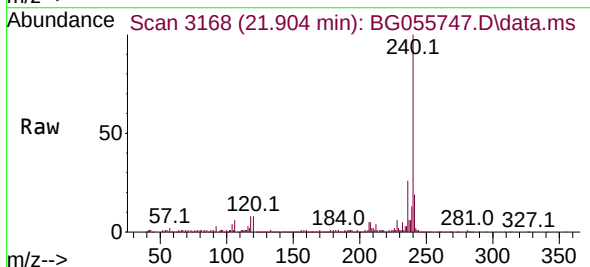
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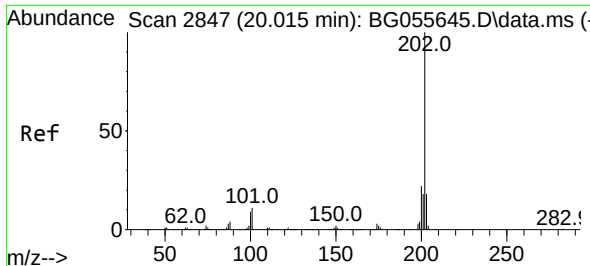
Tgt Ion:202 Resp: 178714
Ion Ratio Lower Upper
202 100
101 8.6 0.0 28.8
203 16.4 0.0 38.1



#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

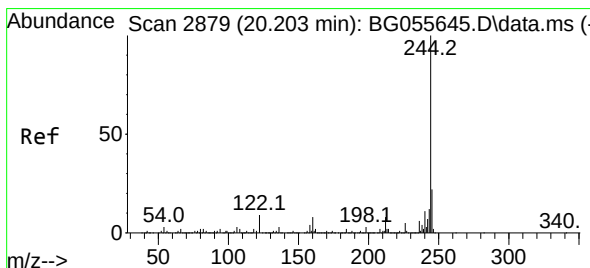
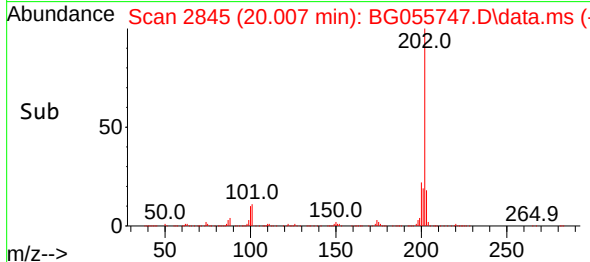
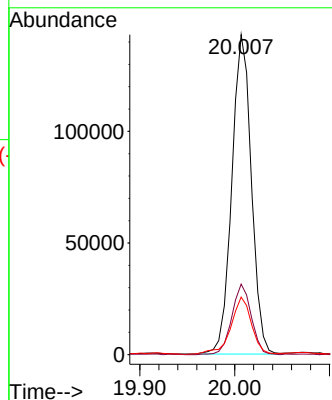
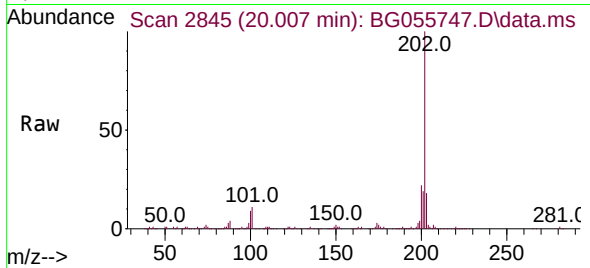




#78
 Pyrene
 Concen: 11.762 ng
 RT: 20.007 min Scan# 2845
 Delta R.T. -0.002 min
 Lab File: BG055747.D
 Acq: 22 Nov 2022 19:59

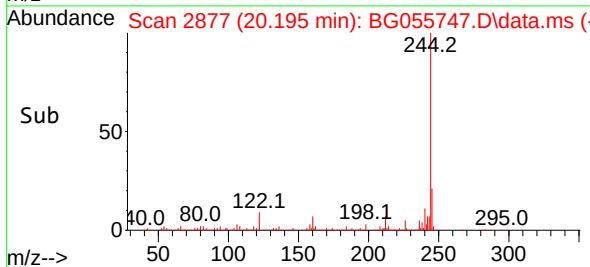
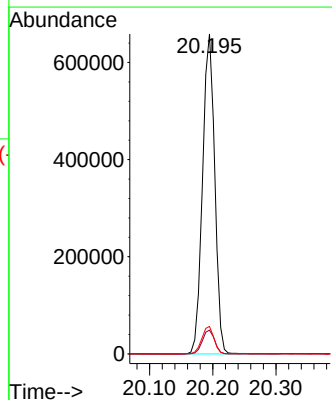
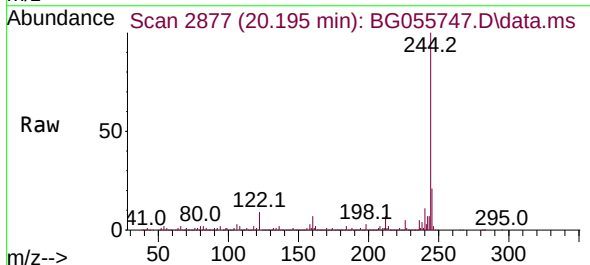
Instrument :
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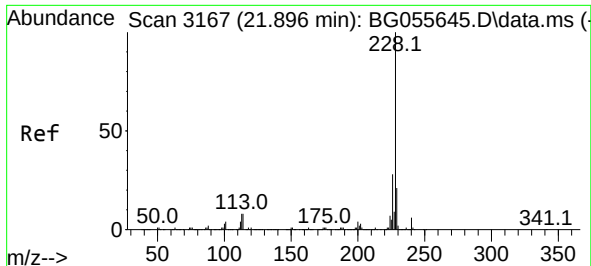
Tgt Ion:202 Resp: 205171
 Ion Ratio Lower Upper
 202 100
 200 22.0 17.8 26.6
 203 18.0 14.4 21.6



#79
 Terphenyl-d14
 Concen: 68.373 ng
 RT: 20.195 min Scan# 2877
 Delta R.T. 0.004 min
 Lab File: BG055747.D
 Acq: 22 Nov 2022 19:59

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

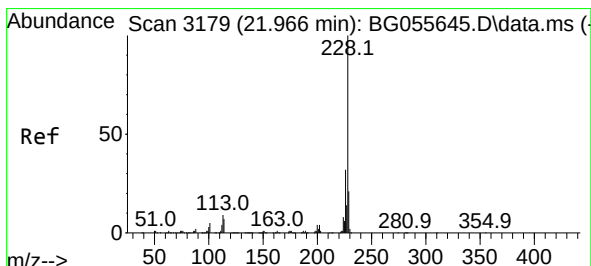
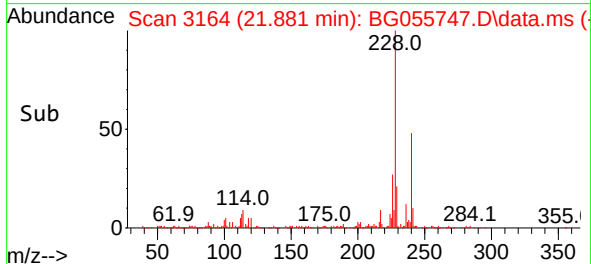
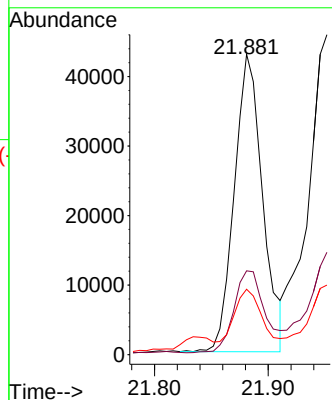
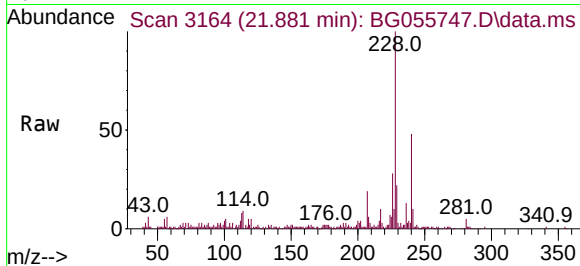




#81
Benzo(a)anthracene
Concen: 4.174 ng
RT: 21.881 min Scan# 3164
Delta R.T. -0.002 min
Lab File: BG055747.D
Acq: 22 Nov 2022 19:59

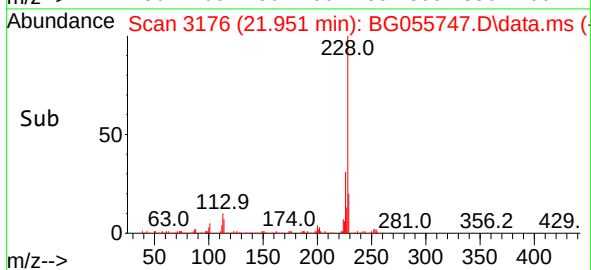
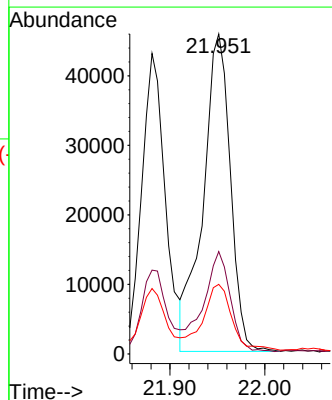
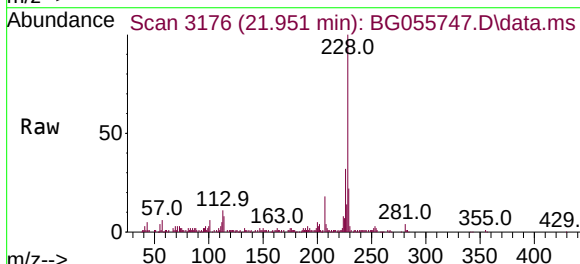
Instrument :
BNA_G
ClientSampleId :
MH-82

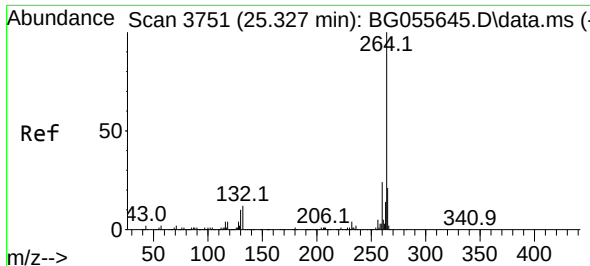
Tgt Ion:228 Resp: 74093
Ion Ratio Lower Upper
228 100
226 27.9 22.7 34.1
229 21.8 16.5 24.7



#83
Chrysene
Concen: 5.434 ng
RT: 21.951 min Scan# 3176
Delta R.T. -0.002 min
Lab File: BG055747.D
Acq: 22 Nov 2022 19:59

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

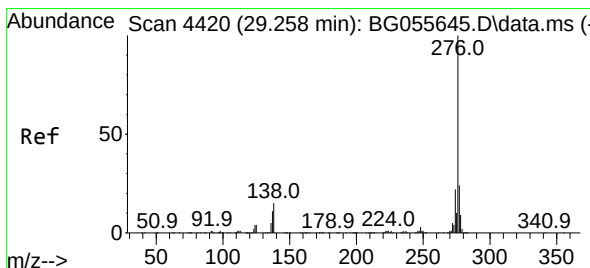
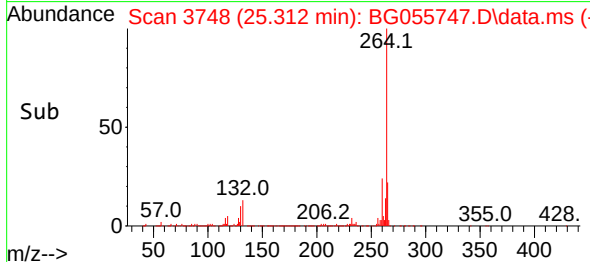
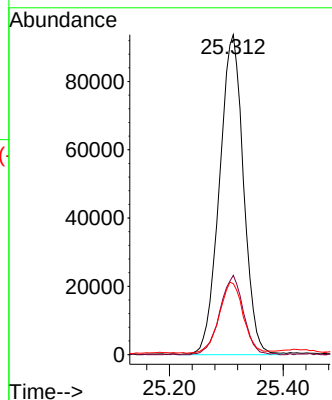
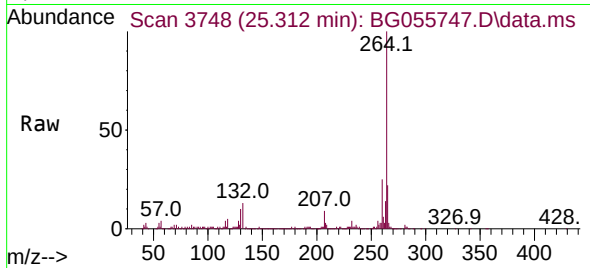




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.312 min Scan# 31
Delta R.T. 0.010 min
Lab File: BG055747.D
Acq: 22 Nov 2022 19:59

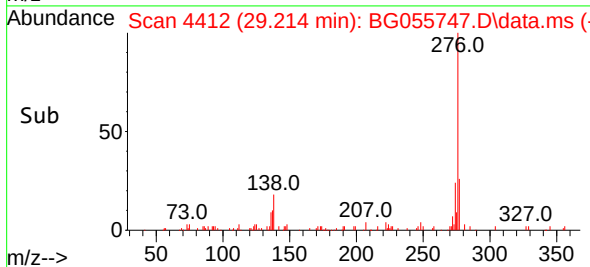
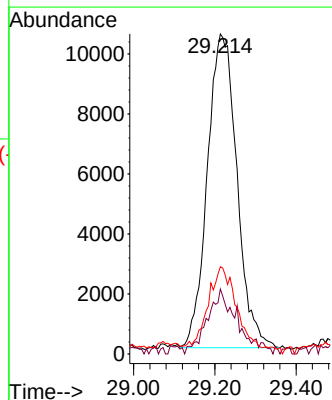
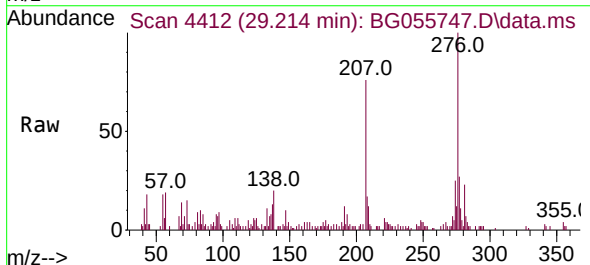
Instrument :
BNA_G
ClientSampleId :
MH-82

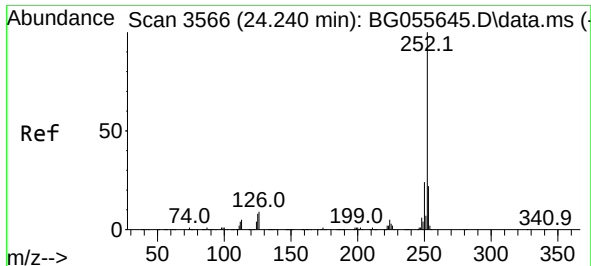
Tgt Ion:264 Resp: 274512
Ion Ratio Lower Upper
264 100
260 24.8 19.5 29.3
265 22.2 17.1 25.7



#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

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

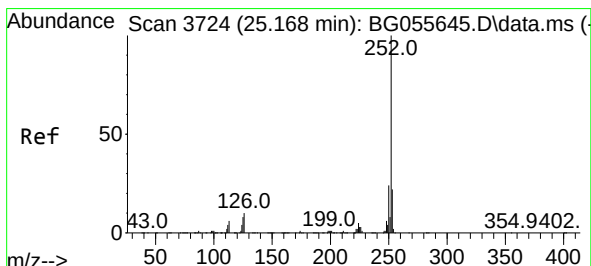
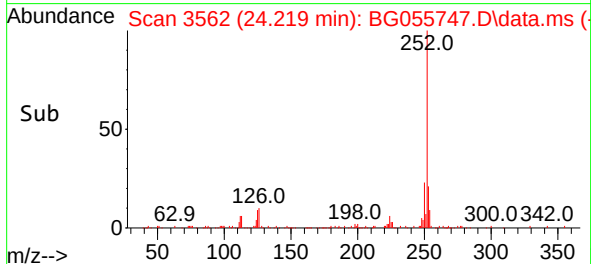
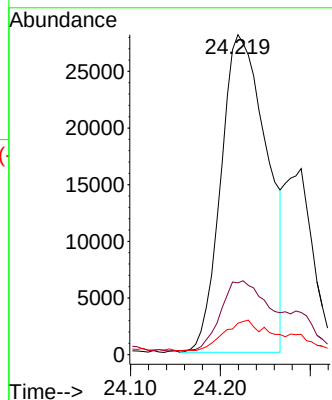
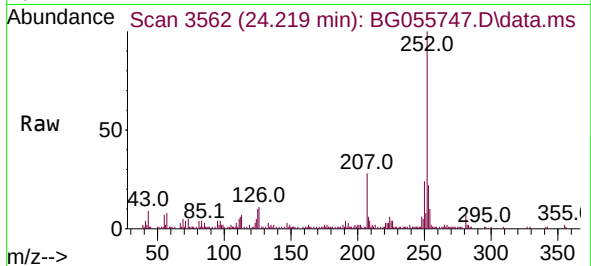




#88
Benzo(b)fluoranthene
Concen: 5.590 ng
RT: 24.219 min Scan# 31
Delta R.T. -0.002 min
Lab File: BG055747.D
Acq: 22 Nov 2022 19:59

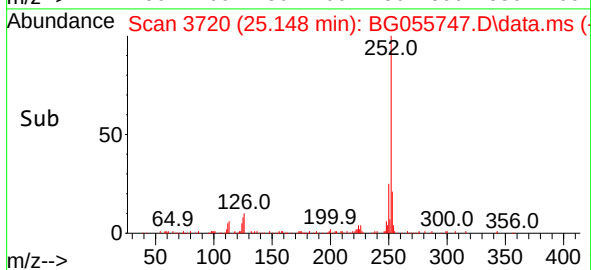
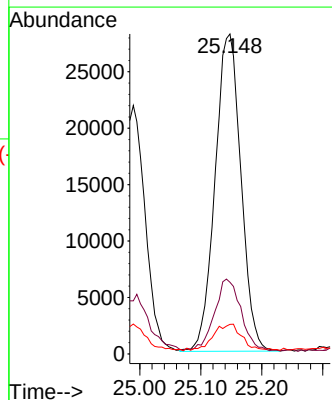
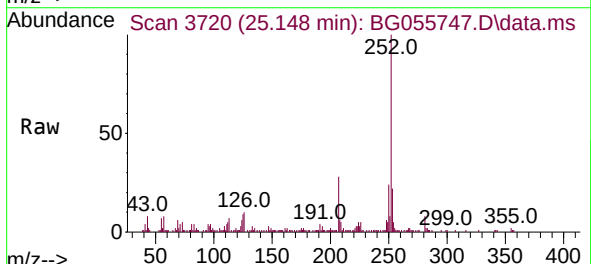
Instrument :
BNA_G
ClientSampleId :
MH-82

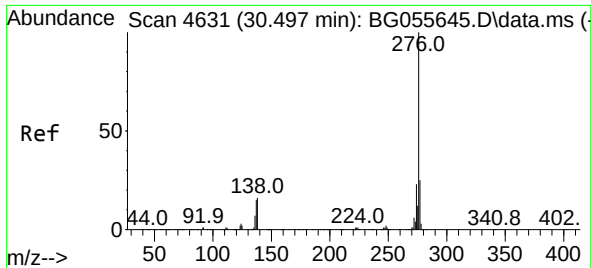
Tgt Ion:252 Resp: 99944
Ion Ratio Lower Upper
252 100
253 22.4 18.0 27.0
125 9.8 6.2 9.2#



#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# 4621
 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

