

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120122\
 Data File : BG055862.D
 Acq On : 1 Dec 2022 19:22
 Operator : CG/JU
 Sample : N5803-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PEQ-STOCK

Quant Time: Dec 02 04:11:36 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 02 04:07:17 2022
 Response via : Initial Calibration

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

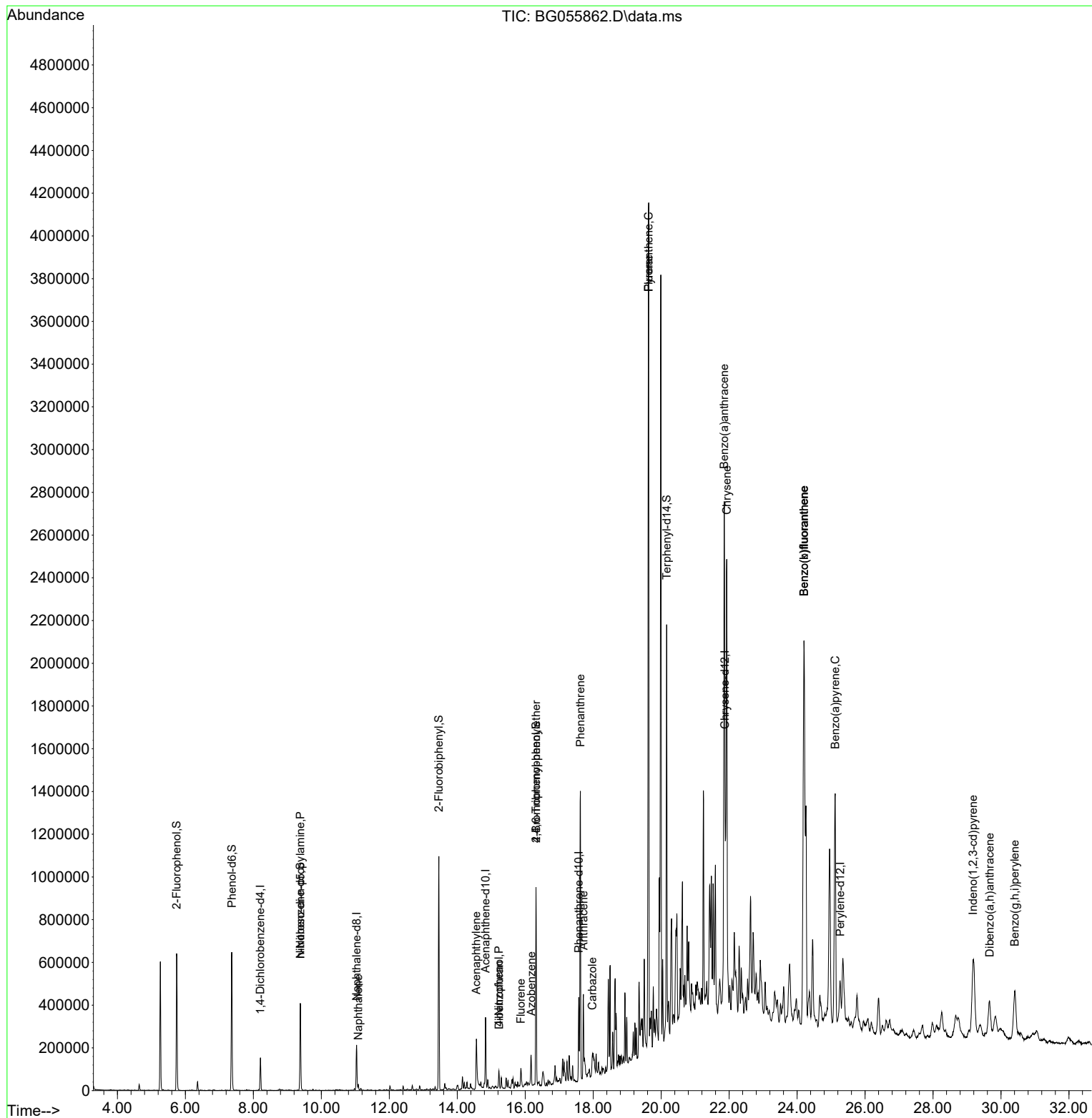
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.205	152	43686	20.000	ng	0.00
21) Naphthalene-d8	11.037	136	175500	20.000	ng	0.00
39) Acenaphthene-d10	14.832	164	117797	20.000	ng	0.00
64) Phenanthrene-d10	17.576	188	249187	20.000	ng	0.00
76) Chrysene-d12	21.877	240	228692	20.000	ng	0.01
86) Perylene-d12	25.267	264	260101	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.743	112	288986	119.569	ng	0.00
7) Phenol-d6	7.365	99	369604	114.881	ng	0.00
23) Nitrobenzene-d5	9.380	82	242108	72.915	ng	0.00
42) 2,4,6-Tribromophenol	16.319	330	179142	107.999	ng	0.00
45) 2-Fluorobiphenyl	13.458	172	579248	73.668	ng	0.00
79) Terphenyl-d14	20.161	244	871220	76.196	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.380	70	32730	13.240	ng	# 76
31) Naphthalene	11.090	128	20718	2.184	ng	98
49) Acenaphthylene	14.562	152	285968	26.028	ng	99
55) Dibenzofuran	15.232	168	31756	2.867	ng	# 96
56) 4-Nitrophenol	15.226	139	12122	7.328	ng	# 8
58) Fluorene	15.872	166	37879	4.281	ng	99
63) Azobenzene	16.178	77	24738	2.985	ng	# 1
67) 4-Bromophenyl-phenylether	16.319	248	11731	4.132	ng	# 1
71) Phenanthrene	17.623	178	871863	64.836	ng	100
72) Anthracene	17.711	178	298401	22.839	ng	100
73) Carbazole	17.976	167	64079	5.455	ng	98
75) Fluoranthene	19.633	202	2750426	168.124	ng	94
78) Pyrene	19.633	202	2750426	177.679	ng	92
81) Benzo(a)anthracene	21.854	228	1687826	107.154	ng	94
83) Chrysene	21.930	228	1646529	109.804	ng	95
87) Indeno(1,2,3-cd)pyrene	29.180	276	816497	38.318	ng	95
88) Benzo(b)fluoranthene	24.204	252	2265592	133.749	ng	96
89) Benzo(k)fluoranthene	24.204	252	2265592	134.177	ng	95
90) Benzo(a)pyrene	25.120	252	1274716	87.694	ng	97
91) Dibenzo(a,h)anthracene	29.668	278	148458	8.526	ng	96
92) Benzo(g,h,i)perylene	30.408	276	621281	35.401	ng	98

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

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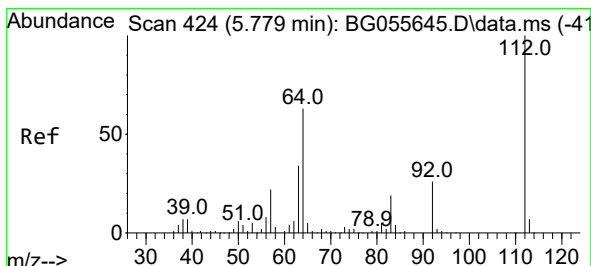
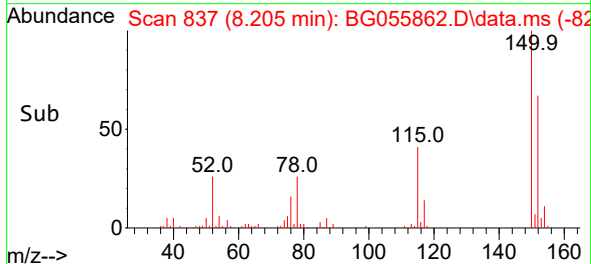
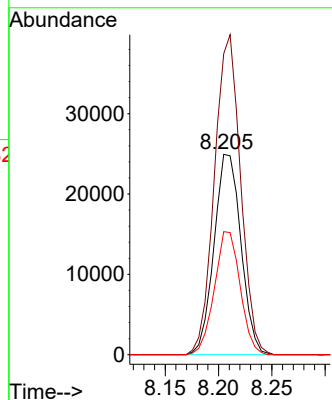
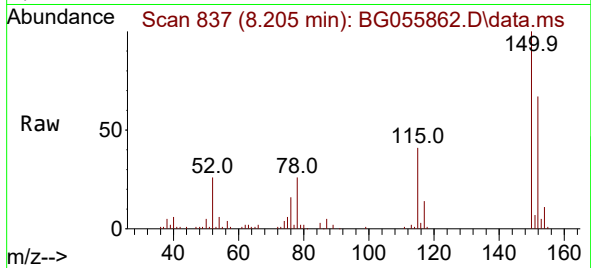




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.205 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

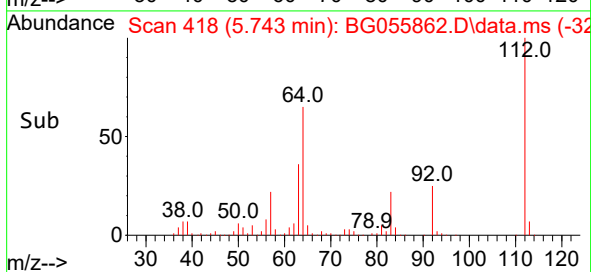
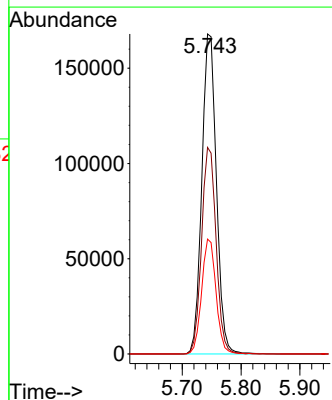
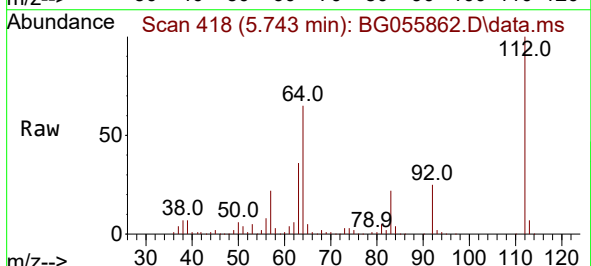
Instrument :
BNA_G
ClientSampleId :
PEQ-STOCK

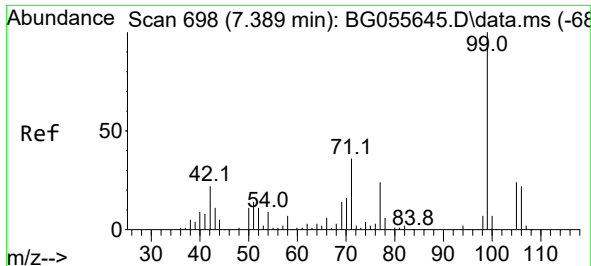
Tgt Ion:152 Resp: 43686
Ion Ratio Lower Upper
152 100
150 150.2 123.0 184.6
115 61.4 47.0 70.4



#5
2-Fluorophenol
Concen: 119.569 ng
RT: 5.743 min Scan# 418
Delta R.T. 0.005 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

Tgt Ion:112 Resp: 288986
Ion Ratio Lower Upper
112 100
64 64.6 50.6 76.0
63 35.9 27.5 41.3

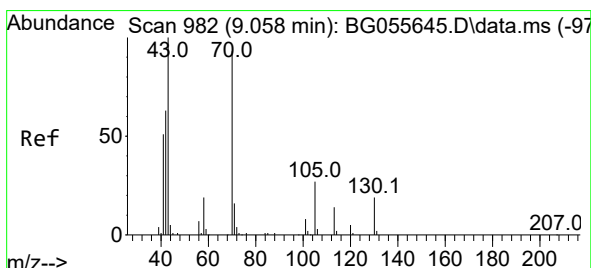
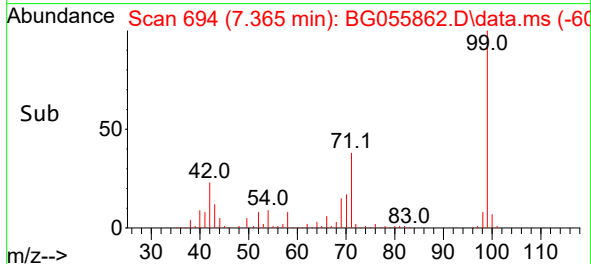
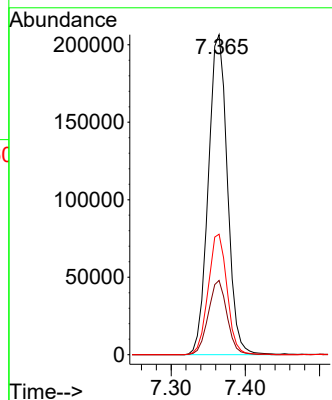
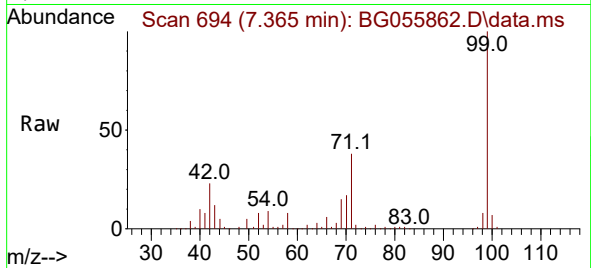




#7
Phenol-d6
Concen: 114.881 ng
RT: 7.365 min Scan# 61
Delta R.T. 0.005 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

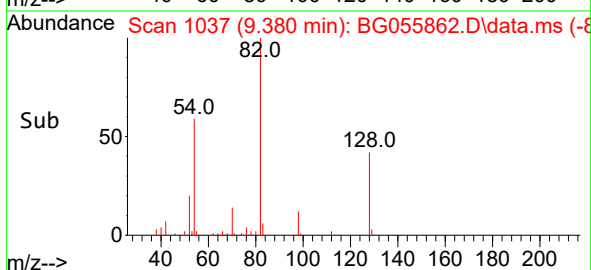
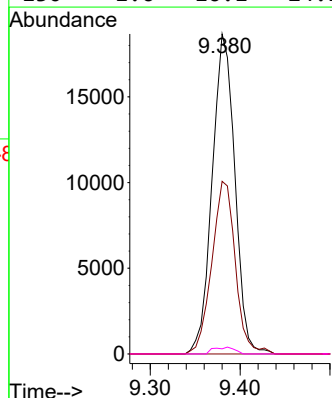
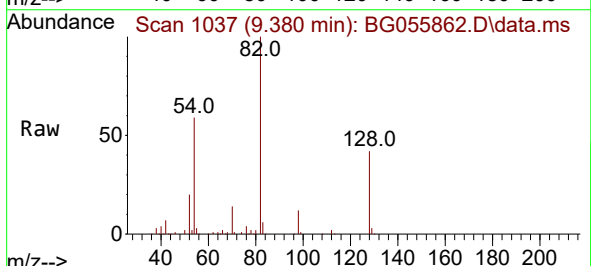
Instrument :
BNA_G
ClientSampleId :
PEQ-STOCK

Tgt Ion: 99 Resp: 369604
Ion Ratio Lower Upper
99 100
42 23.2 18.0 27.0
71 37.6 29.0 43.6



#19
n-Nitroso-di-n-propylamine
Concen: 13.240 ng
RT: 9.380 min Scan# 1037
Delta R.T. 0.370 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

Tgt Ion: 70 Resp: 32730
Ion Ratio Lower Upper
70 100
42 53.9 55.2 82.8#
101 0.0 7.1 10.7#
130 1.6 16.1 24.1#

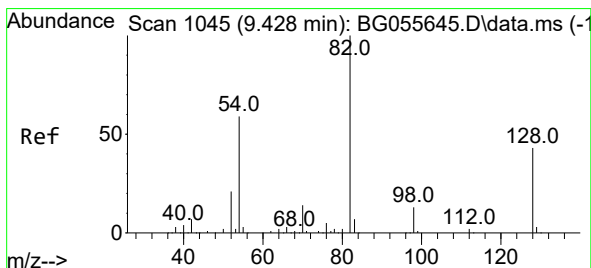
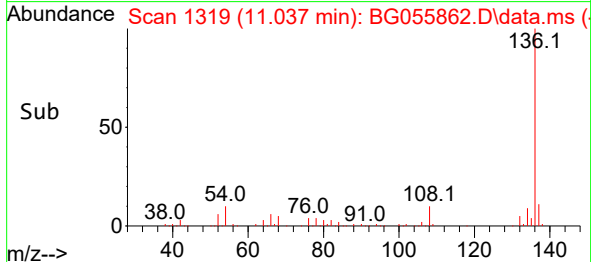
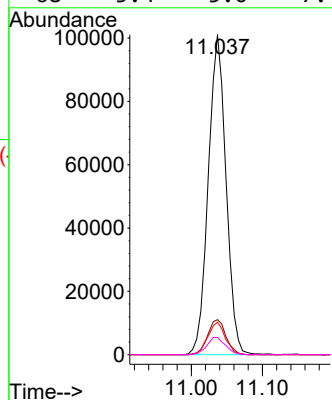
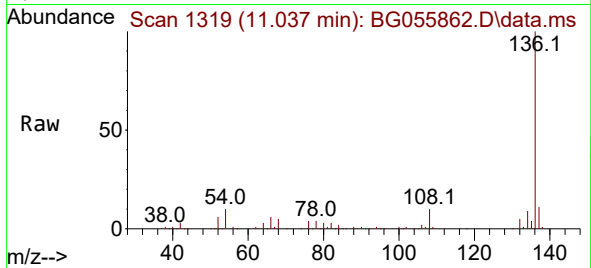




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.037 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

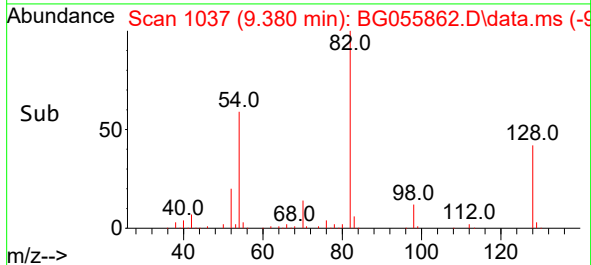
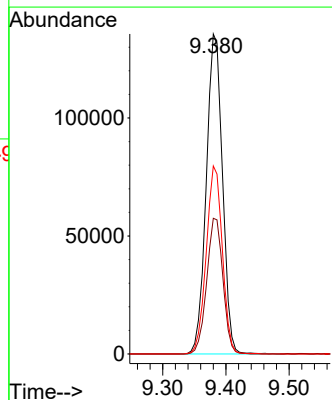
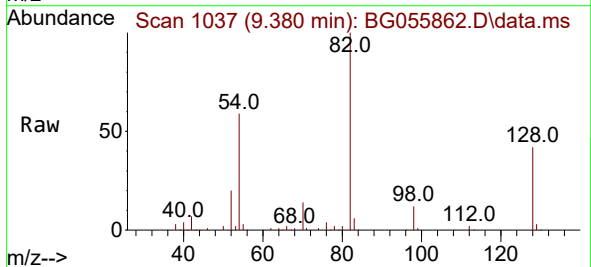
Instrument :
BNA_G
ClientSampleId :
PEQ-STOCK

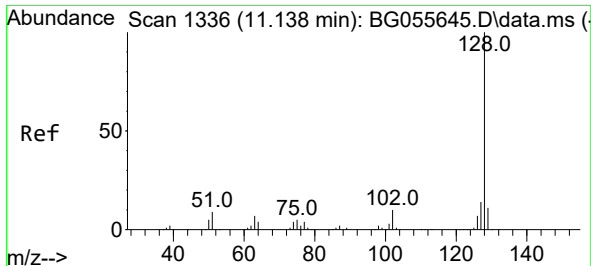
Tgt Ion:	136	Resp:	175500
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.0	13.6
54	10.1	7.8	11.6
68	5.4	5.0	7.4



#23
Nitrobenzene-d5
Concen: 72.915 ng
RT: 9.380 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

Tgt Ion:	82	Resp:	242108
Ion Ratio	Lower	Upper	
82	100		
128	42.4	34.1	51.1
54	58.7	47.3	70.9

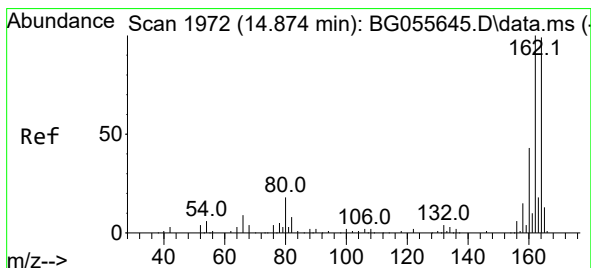
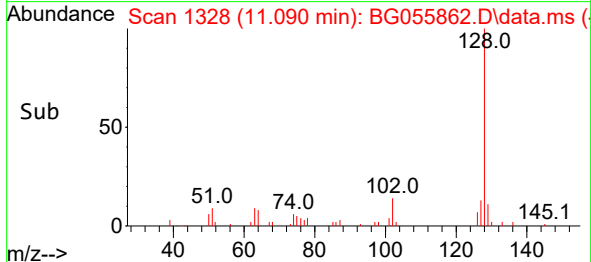
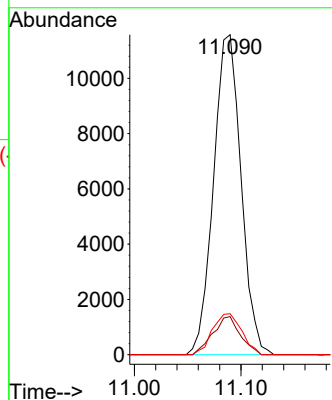
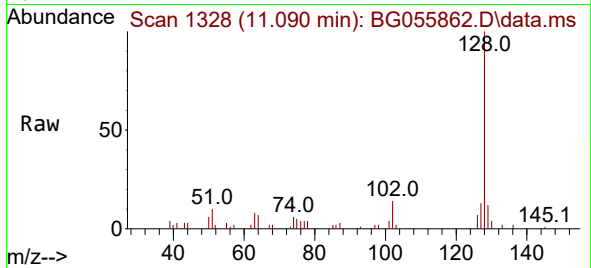




#31
Naphthalene
Concen: 2.184 ng
RT: 11.090 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

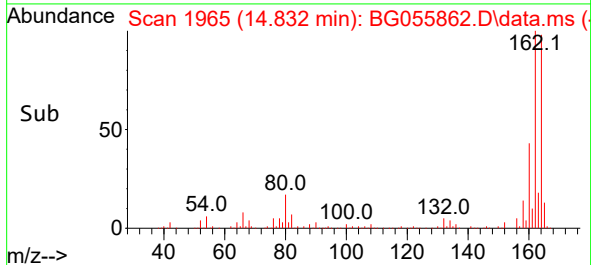
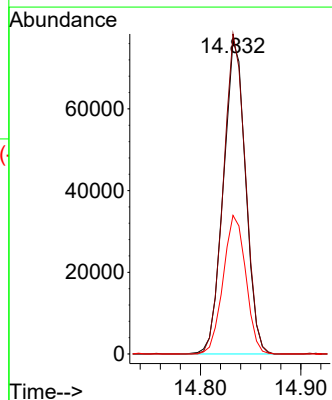
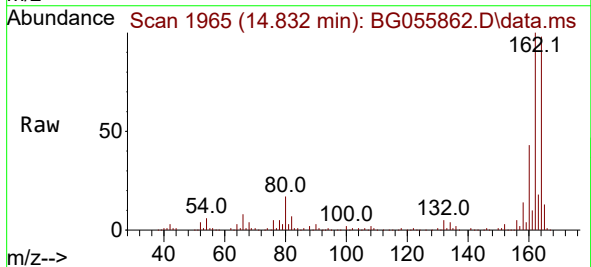
Instrument :
BNA_G
ClientSampleId :
PEQ-STOCK

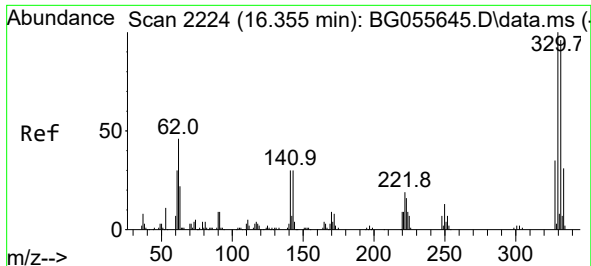
Tgt Ion:128 Resp: 20718
Ion Ratio Lower Upper
128 100
129 11.9 8.7 13.1
127 12.8 10.9 16.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.832 min Scan# 1965
Delta R.T. -0.006 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

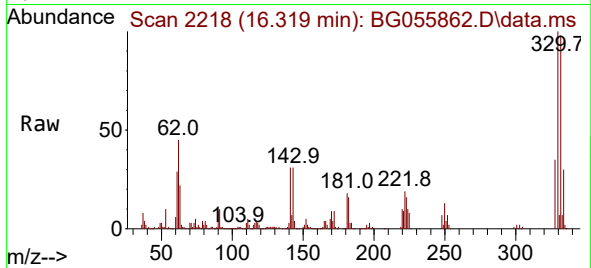
Tgt Ion:164 Resp: 117797
Ion Ratio Lower Upper
164 100
162 102.1 81.1 121.7
160 44.2 34.8 52.2



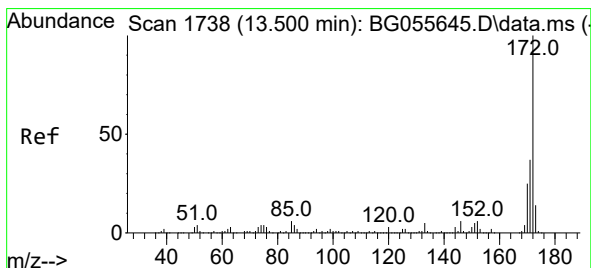
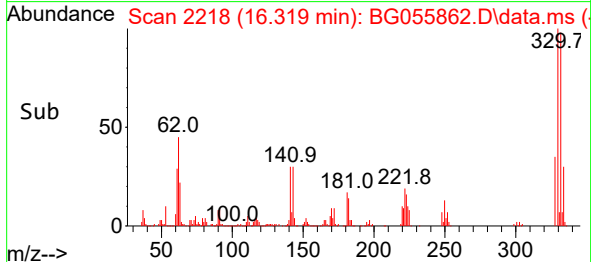
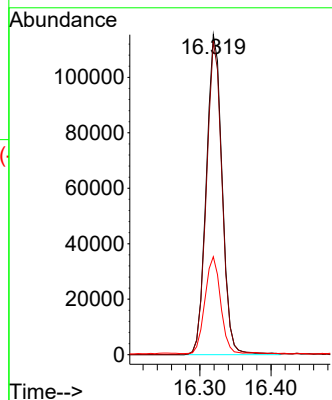


#42
2,4,6-Tribromophenol
Concen: 107.999 ng
RT: 16.319 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

Instrument :
BNA_G
ClientSampleId :
PEQ-STOCK

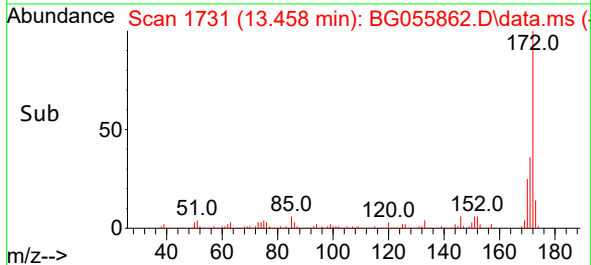
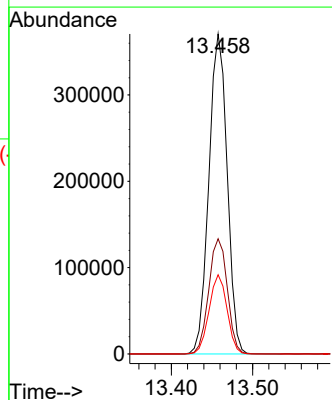
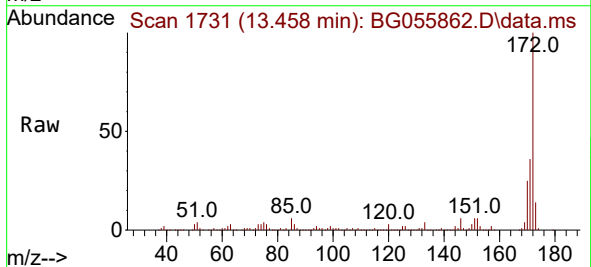


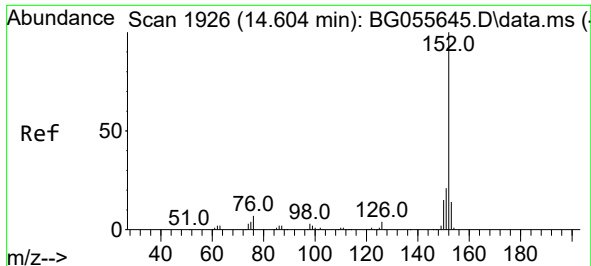
Tgt Ion:330 Resp: 179142
Ion Ratio Lower Upper
330 100
332 97.0 77.8 116.8
141 29.6 23.9 35.9



#45
2-Fluorobiphenyl
Concen: 73.668 ng
RT: 13.458 min Scan# 1731
Delta R.T. -0.001 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

Tgt Ion:172 Resp: 579248
Ion Ratio Lower Upper
172 100
171 36.0 29.8 44.6
170 24.8 20.2 30.4

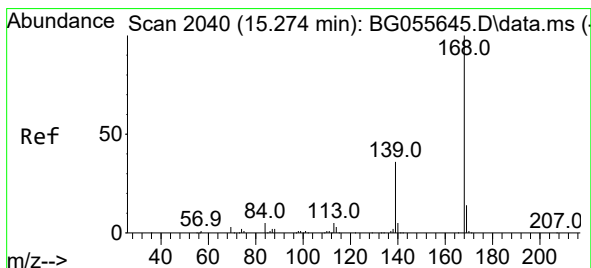
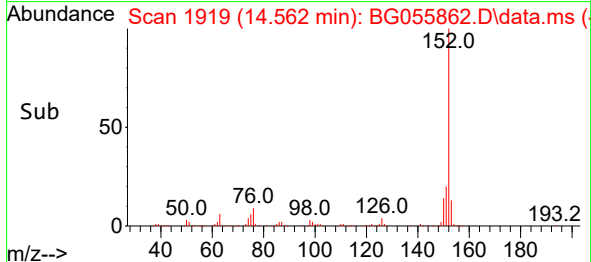
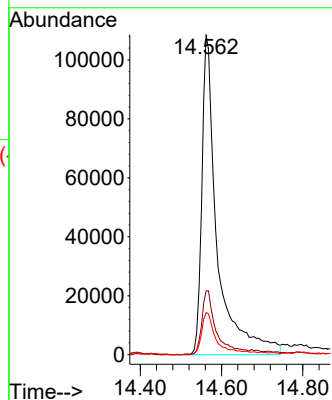
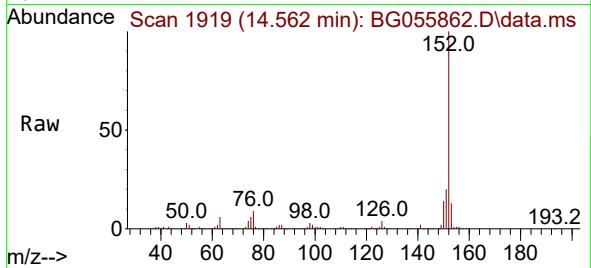




#49
Acenaphthylene
Concen: 26.028 ng
RT: 14.562 min Scan# 1926
Delta R.T. -0.001 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

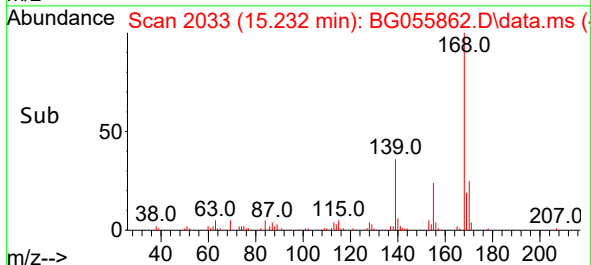
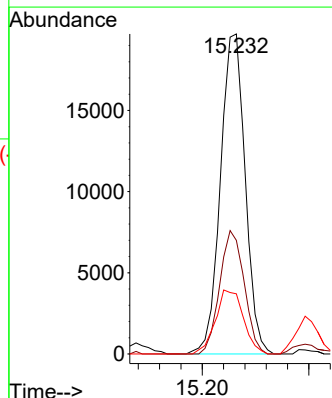
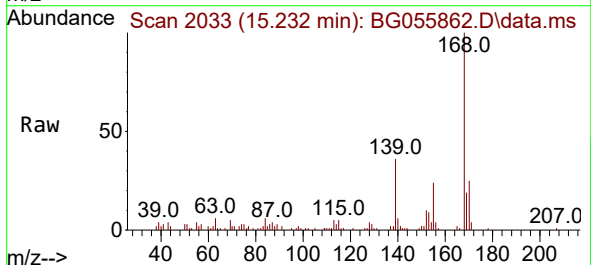
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ClientSampleId :
PEQ-STOCK

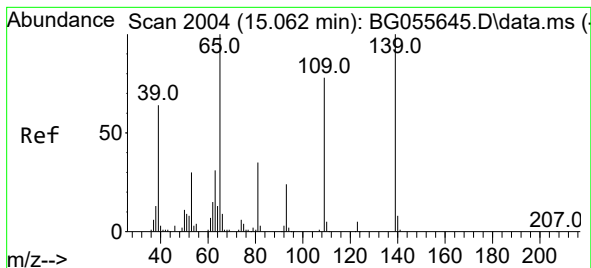
Tgt Ion:152 Resp: 285968
Ion Ratio Lower Upper
152 100
151 20.0 16.4 24.6
153 13.2 11.0 16.4



#55
Dibenzofuran
Concen: 2.867 ng
RT: 15.232 min Scan# 2033
Delta R.T. -0.001 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

Tgt Ion:168 Resp: 31756
Ion Ratio Lower Upper
168 100
139 35.5 28.8 43.2
169 18.8 11.0 16.4#

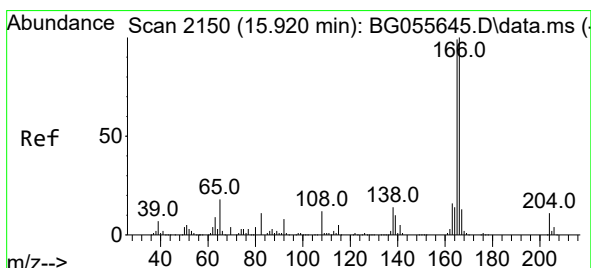
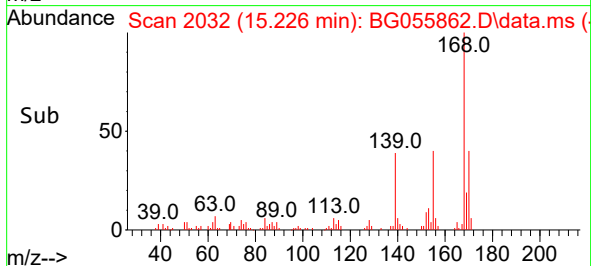
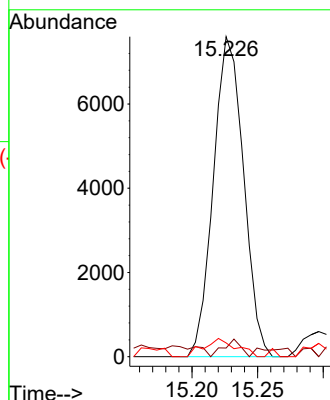
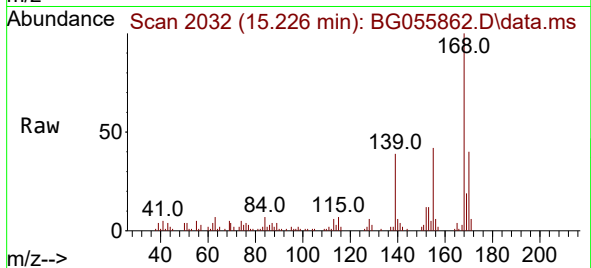




#56
4-Nitrophenol
Concen: 7.328 ng
RT: 15.226 min Scan# 20
Delta R.T. 0.170 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

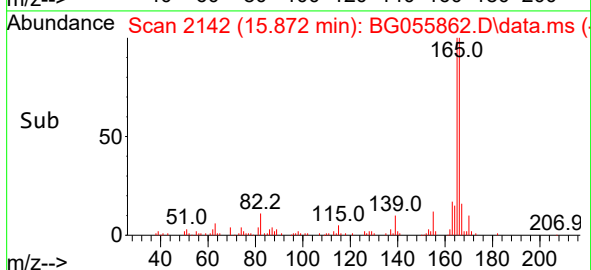
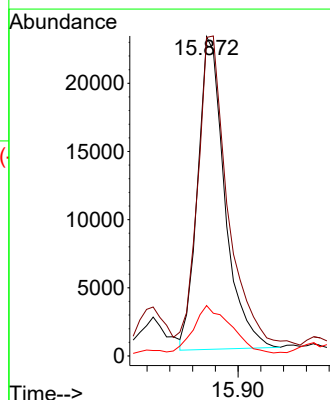
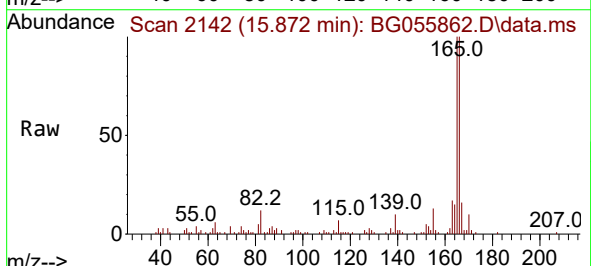
Instrument :
BNA_G
ClientSampleId :
PEQ-STOCK

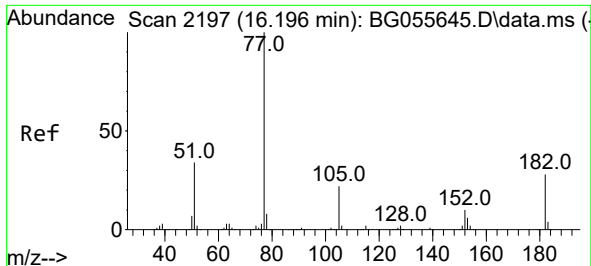
Tgt Ion:139 Resp: 12122
Ion Ratio Lower Upper
139 100
109 2.7 58.6 98.6#
65 4.3 80.5 120.5#



#58
Fluorene
Concen: 4.281 ng
RT: 15.872 min Scan# 2142
Delta R.T. -0.006 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

Tgt Ion:166 Resp: 37879
Ion Ratio Lower Upper
166 100
165 99.8 79.3 118.9
167 15.8 10.6 15.8

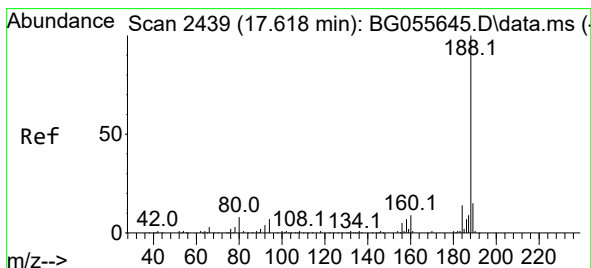
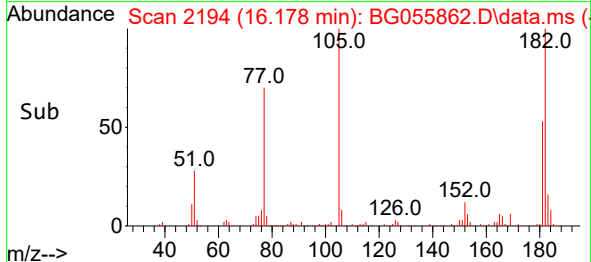
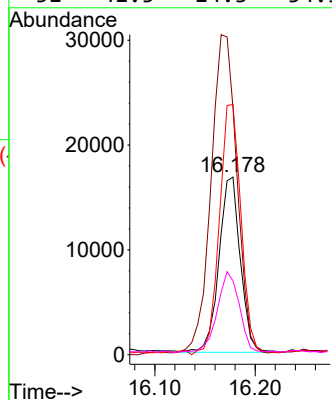
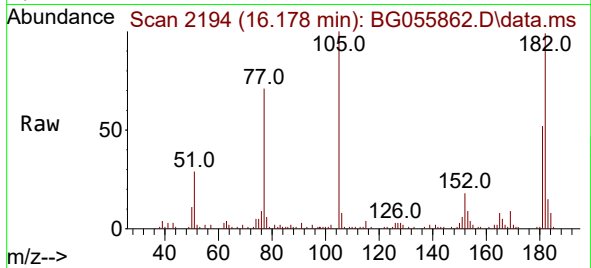




#63
 Azobenzene
 Concen: 2.985 ng
 RT: 16.178 min Scan# 2197
 Delta R.T. 0.023 min
 Lab File: BG055862.D
 Acq: 1 Dec 2022 19:22

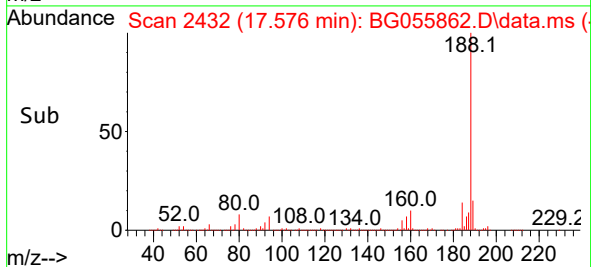
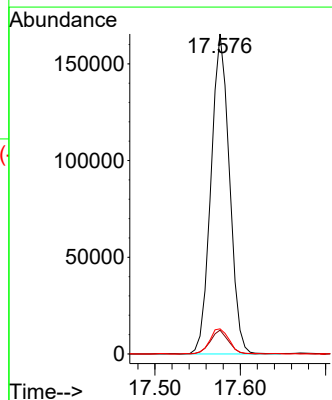
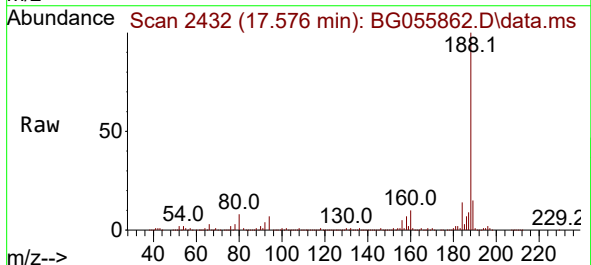
Instrument :
 BNA_G
 ClientSampleId :
 PEQ-STOCK

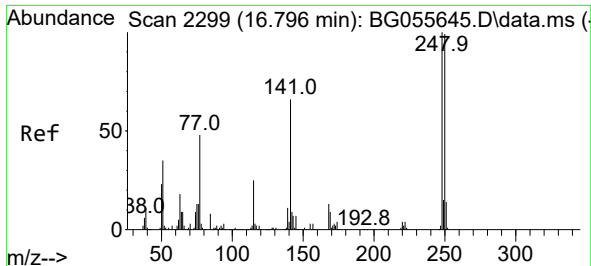
Tgt Ion: 77	Resp: 24738
Ion Ratio	Lower Upper
77 100	
182 138.9	8.1 48.1#
105 140.9	1.8 41.8#
51 41.5	14.3 54.3



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.576 min Scan# 2432
 Delta R.T. -0.001 min
 Lab File: BG055862.D
 Acq: 1 Dec 2022 19:22

Tgt Ion: 188	Resp: 249187
Ion Ratio	Lower Upper
188 100	
94 7.4	5.4 8.2
80 7.9	6.6 10.0

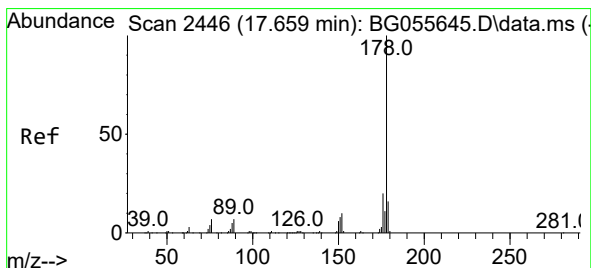
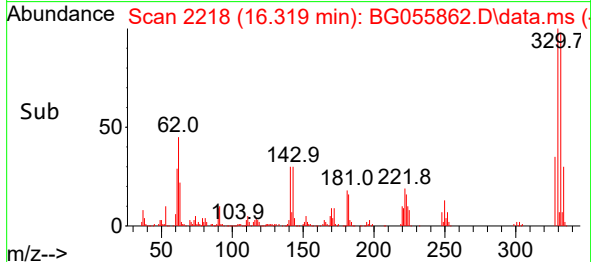
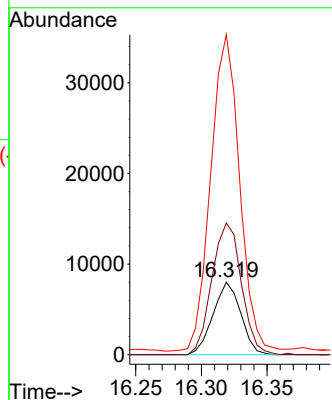
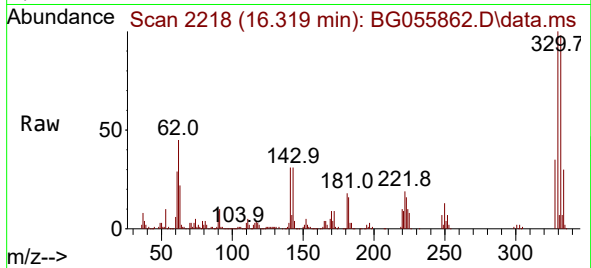




#67
4-Bromophenyl-phenylether
Concen: 4.132 ng
RT: 16.319 min Scan# 21
Delta R.T. -0.435 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

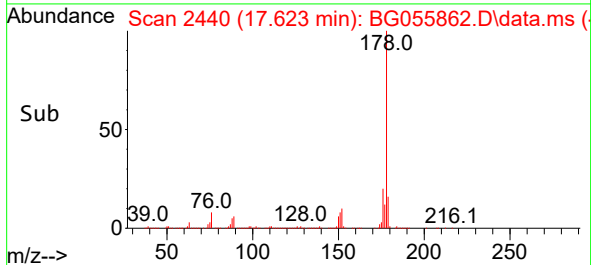
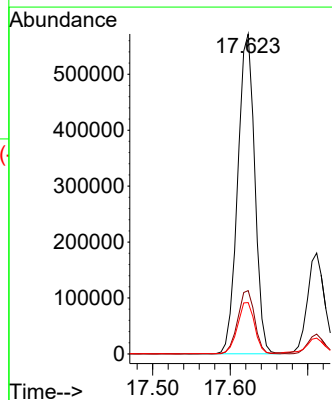
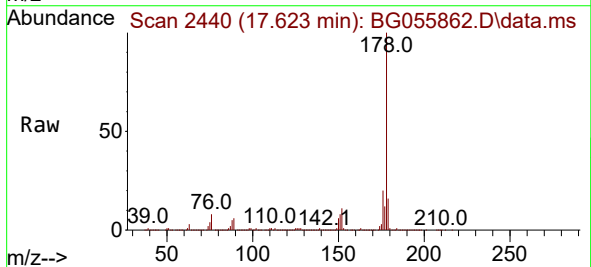
Instrument :
BNA_G
ClientSampleId :
PEQ-STOCK

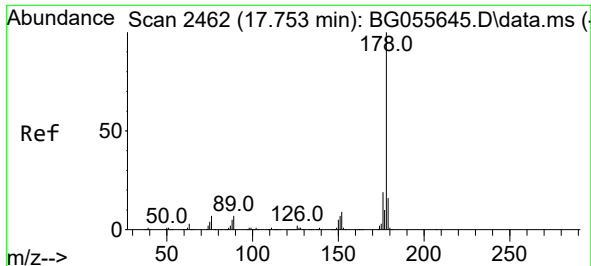
Tgt Ion:248 Resp: 11731
Ion Ratio Lower Upper
248 100
250 181.7 79.0 118.4#
141 441.5 52.9 79.3#



#71
Phenanthrene
Concen: 64.836 ng
RT: 17.623 min Scan# 2440
Delta R.T. -0.001 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

Tgt Ion:178 Resp: 871863
Ion Ratio Lower Upper
178 100
176 19.8 16.0 24.0
179 16.1 12.7 19.1

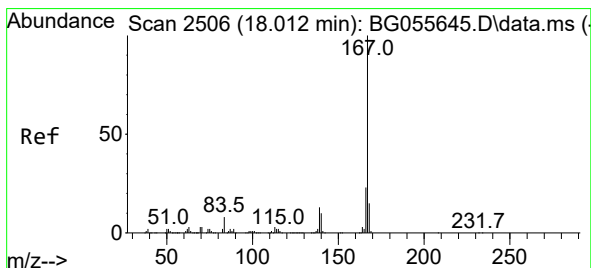
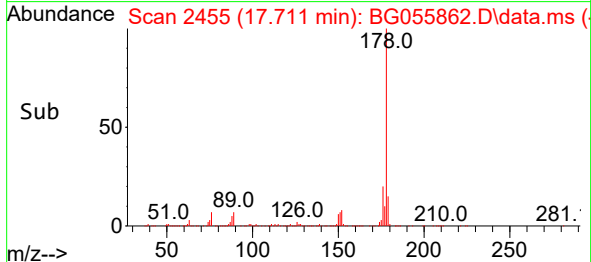
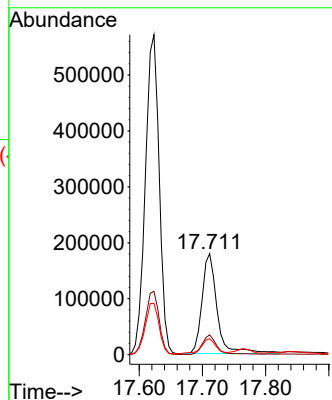
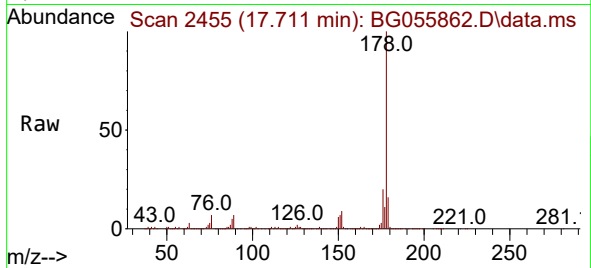




#72
 Anthracene
 Concen: 22.839 ng
 RT: 17.711 min Scan# 2462
 Delta R.T. -0.001 min
 Lab File: BG055862.D
 Acq: 1 Dec 2022 19:22

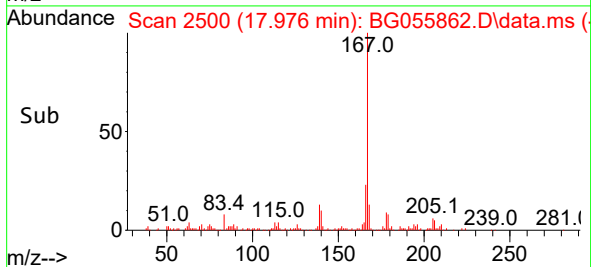
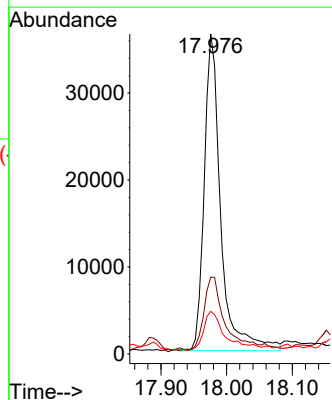
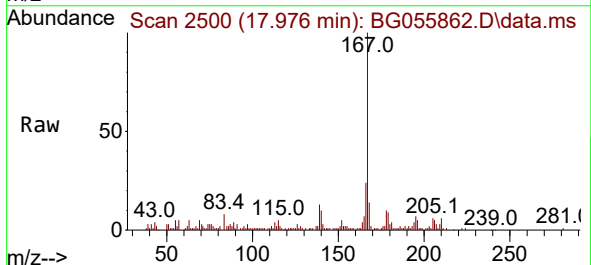
Instrument :
 BNA_G
 ClientSampleId :
 PEQ-STOCK

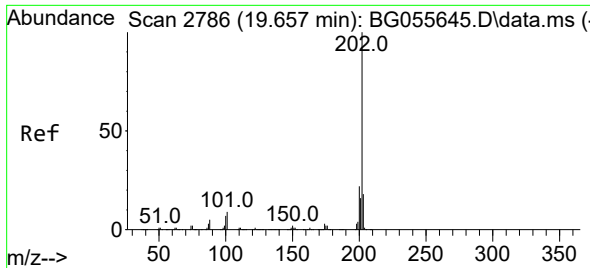
Tgt Ion:178 Resp: 298401
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.5 23.3
 179 15.7 12.5 18.7



#73
 Carbazole
 Concen: 5.455 ng
 RT: 17.976 min Scan# 2500
 Delta R.T. -0.001 min
 Lab File: BG055862.D
 Acq: 1 Dec 2022 19:22

Tgt Ion:167 Resp: 64079
 Ion Ratio Lower Upper
 167 100
 166 24.0 18.2 27.2
 139 13.3 10.2 15.4

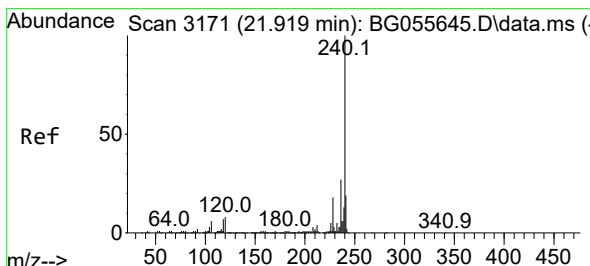
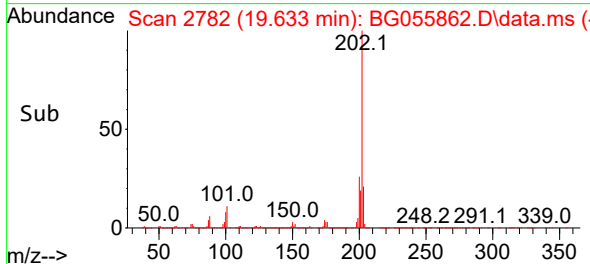
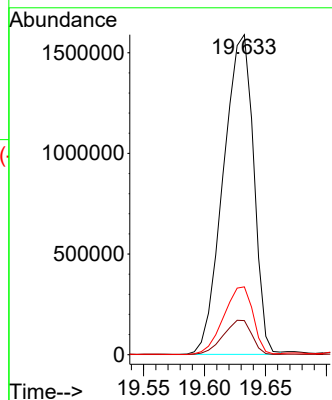
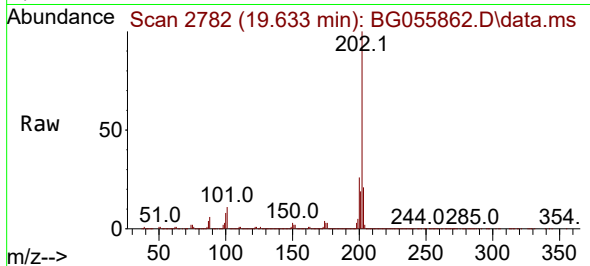




#75
Fluoranthene
Concen: 168.124 ng
RT: 19.633 min Scan# 21
Delta R.T. 0.017 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

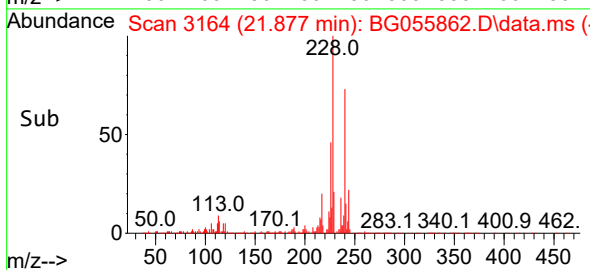
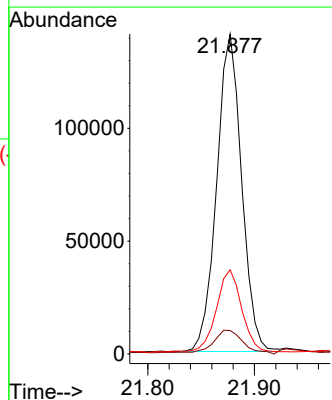
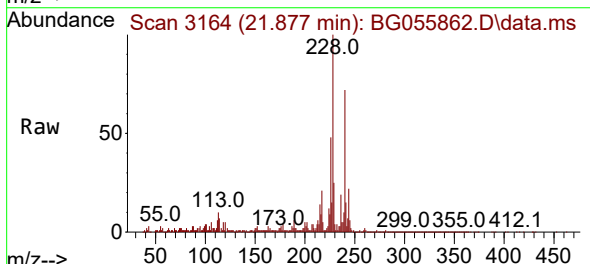
Instrument :
BNA_G
ClientSampleId :
PEQ-STOCK

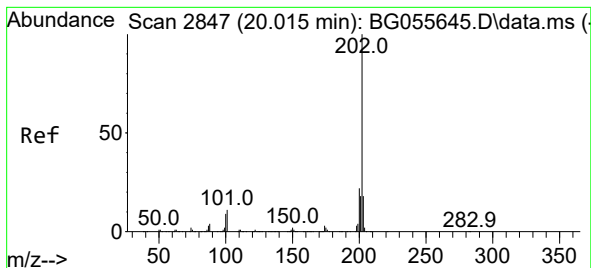
Tgt Ion:202 Resp: 2750426
Ion Ratio Lower Upper
202 100
101 10.7 0.0 28.8
203 21.2 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.877 min Scan# 3164
Delta R.T. 0.011 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

Tgt Ion:240 Resp: 228692
Ion Ratio Lower Upper
240 100
120 7.4 6.3 9.5
236 26.3 21.9 32.9





#78

Pyrene

Concen: 177.679 ng

RT: 19.633 min Scan# 21

Delta R.T. -0.347 min

Lab File: BG055862.D

Acq: 1 Dec 2022 19:22

Instrument :

BNA_G

ClientSampleId :

PEQ-STOCK

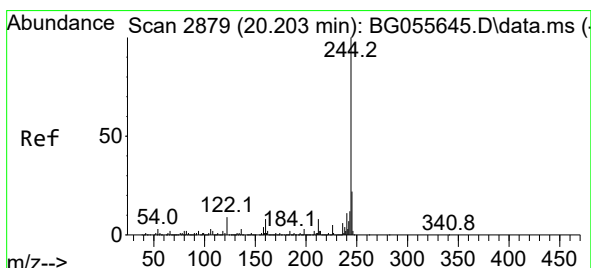
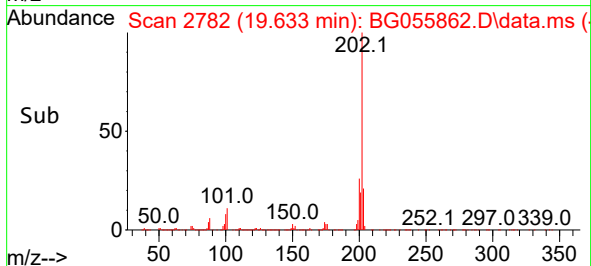
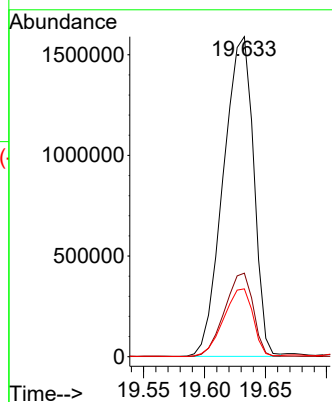
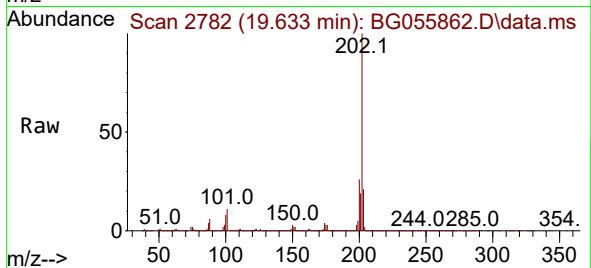
Tgt Ion:202 Resp: 2750426

Ion Ratio Lower Upper

202 100

200 26.1 17.8 26.6

203 21.2 14.4 21.6



#79

Terphenyl-d14

Concen: 76.196 ng

RT: 20.161 min Scan# 2872

Delta R.T. -0.001 min

Lab File: BG055862.D

Acq: 1 Dec 2022 19:22

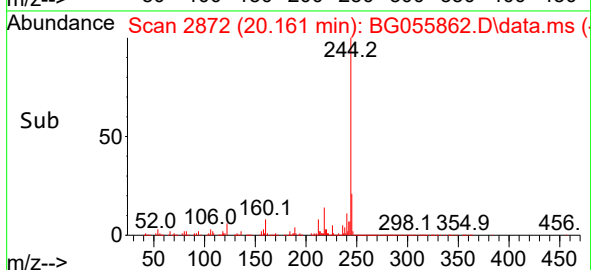
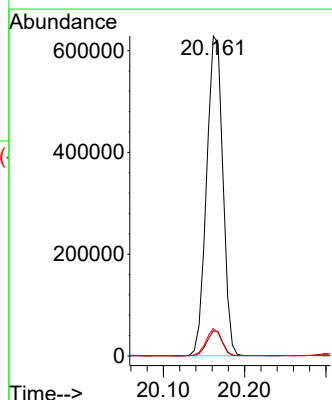
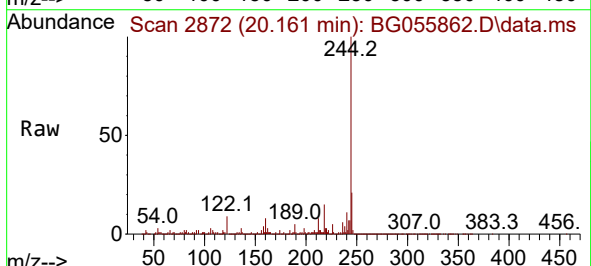
Tgt Ion:244 Resp: 871220

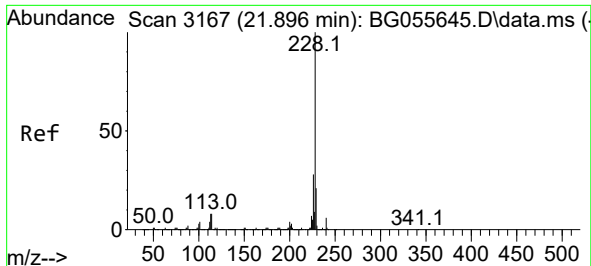
Ion Ratio Lower Upper

244 100

212 7.9 6.3 9.5

122 8.6 6.9 10.3

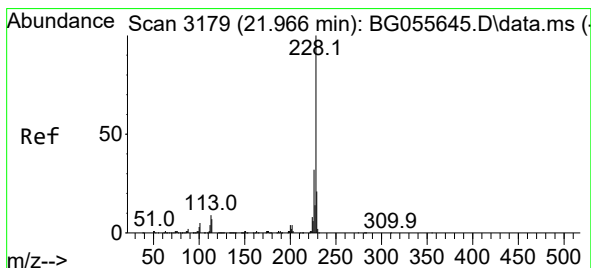
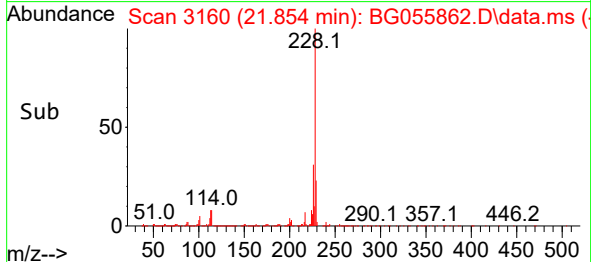
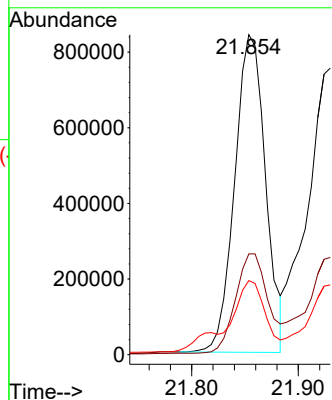
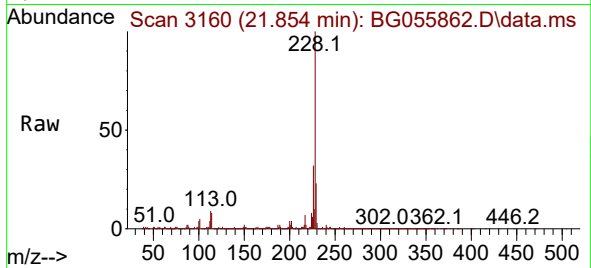




#81
Benzo(a)anthracene
Concen: 107.154 ng
RT: 21.854 min Scan# 3160
Delta R.T. 0.005 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

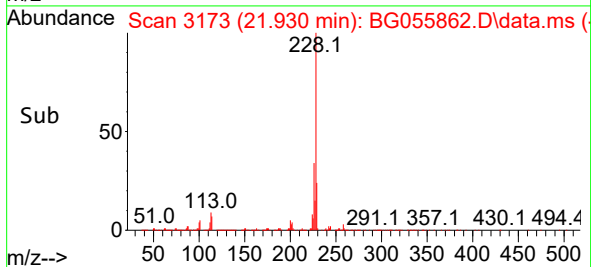
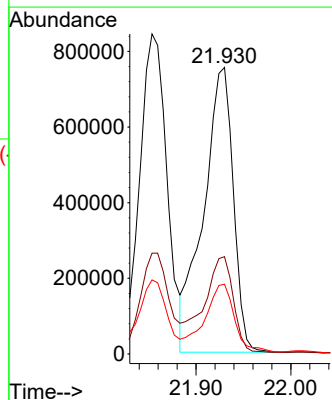
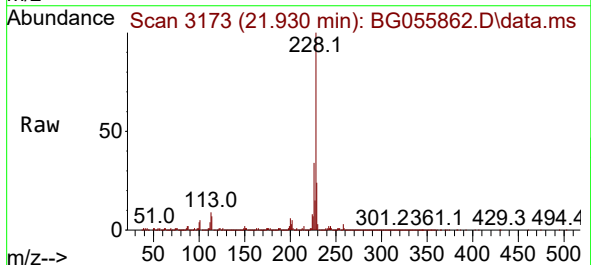
Instrument :
BNA_G
ClientSampleId :
PEQ-STOCK

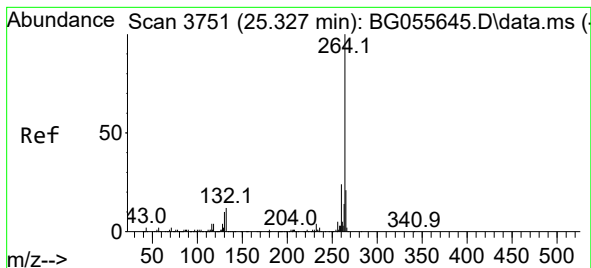
Tgt Ion:228 Resp: 1687826
Ion Ratio Lower Upper
228 100
226 31.5 22.7 34.1
229 23.2 16.5 24.7



#83
Chrysene
Concen: 109.804 ng
RT: 21.930 min Scan# 3173
Delta R.T. 0.011 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

Tgt Ion:228 Resp: 1646529
Ion Ratio Lower Upper
228 100
226 34.0 25.4 38.2
229 24.4 17.1 25.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.267 min Scan# 31

Delta R.T. 0.017 min

Lab File: BG055862.D

Acq: 1 Dec 2022 19:22

Instrument :

BNA_G

ClientSampleId :

PEQ-STOCK

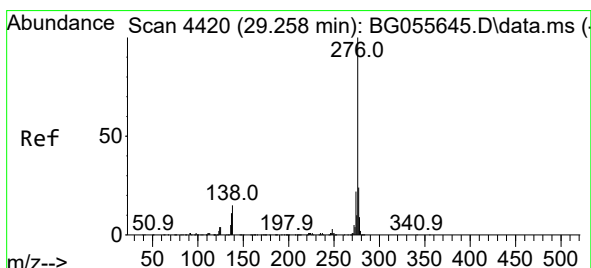
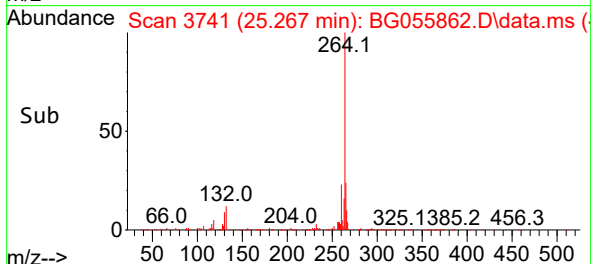
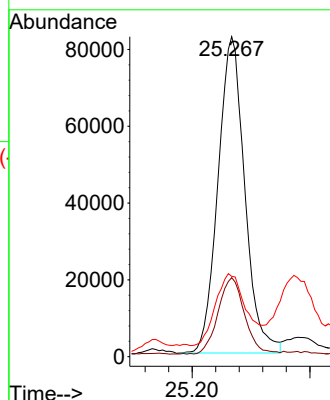
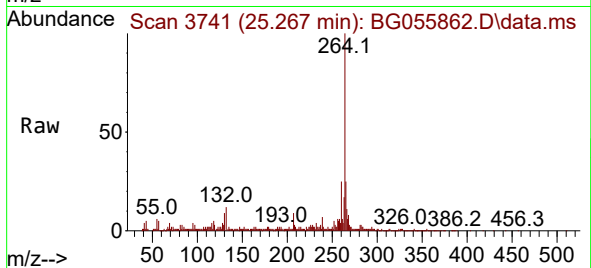
Tgt Ion:264 Resp: 260101

Ion Ratio Lower Upper

264 100

260 24.7 19.5 29.3

265 25.1 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 38.318 ng

RT: 29.180 min Scan# 4407

Delta R.T. 0.029 min

Lab File: BG055862.D

Acq: 1 Dec 2022 19:22

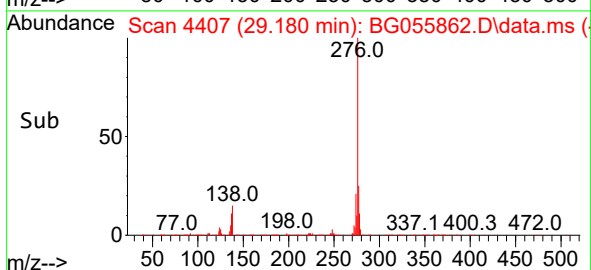
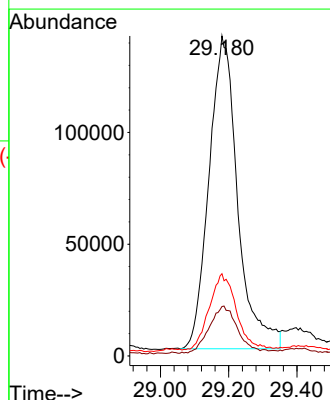
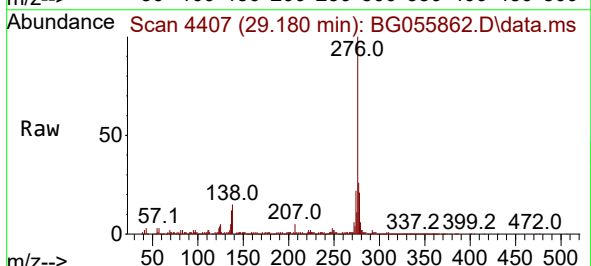
Tgt Ion:276 Resp: 816497

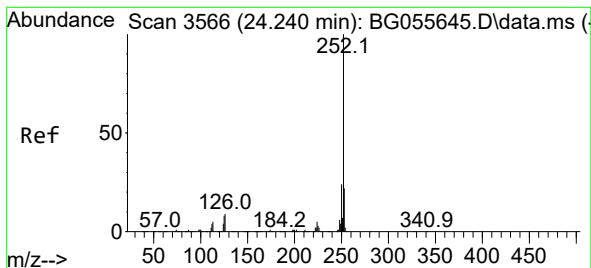
Ion Ratio Lower Upper

276 100

138 14.4 10.4 15.6

277 22.6 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 133.749 ng

RT: 24.204 min Scan# 3560

Delta R.T. 0.035 min

Lab File: BG055862.D

Acq: 1 Dec 2022 19:22

Instrument :

BNA_G

ClientSampleId :

PEQ-STOCK

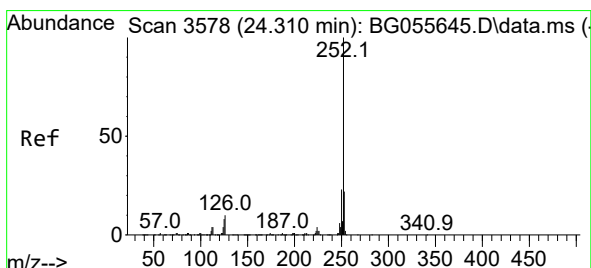
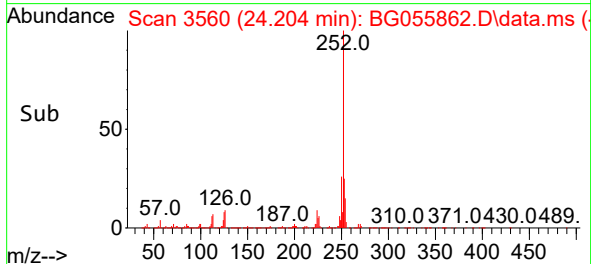
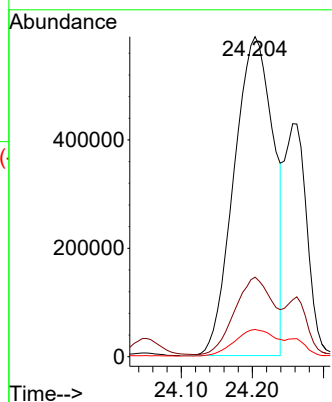
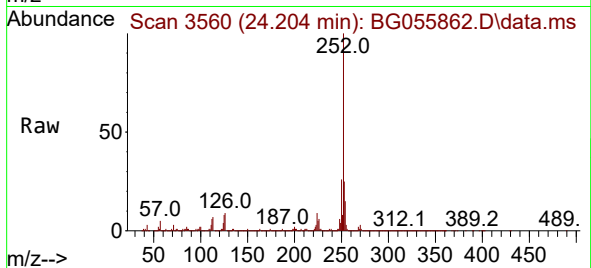
Tgt Ion:252 Resp: 2265592

Ion Ratio Lower Upper

252 100

253 24.9 18.0 27.0

125 8.5 6.2 9.2



#89

Benzo(k)fluoranthene

Concen: 134.177 ng

RT: 24.204 min Scan# 3560

Delta R.T. -0.036 min

Lab File: BG055862.D

Acq: 1 Dec 2022 19:22

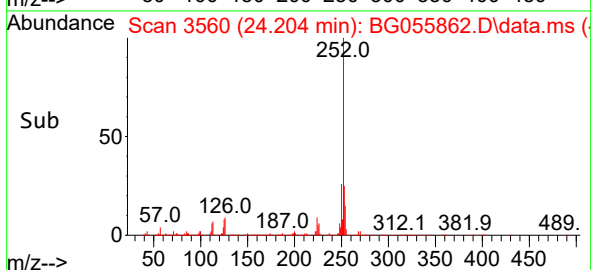
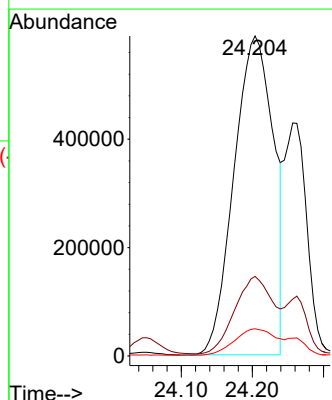
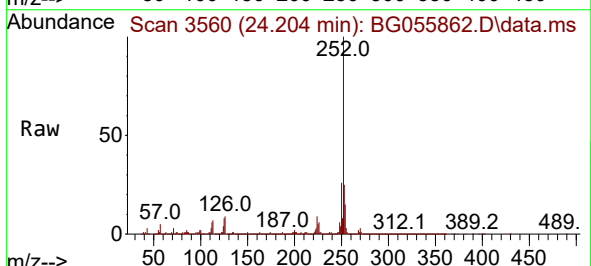
Tgt Ion:252 Resp: 2265592

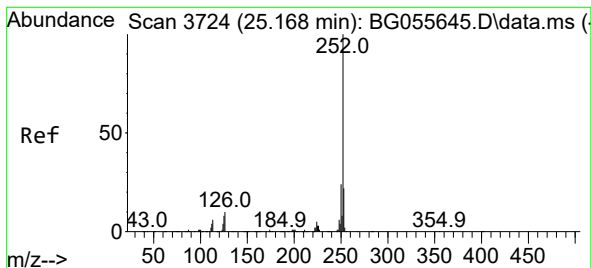
Ion Ratio Lower Upper

252 100

253 24.9 17.8 26.6

125 8.5 6.1 9.1





#90

Benzo(a)pyrene

Concen: 87.694 ng

RT: 25.120 min Scan# 3

Delta R.T. 0.029 min

Lab File: BG055862.D

Acq: 1 Dec 2022 19:22

Instrument :

BNA_G

ClientSampleId :

PEQ-STOCK

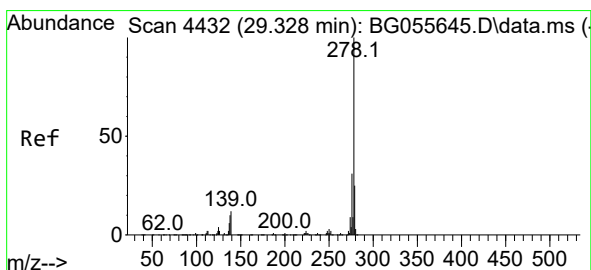
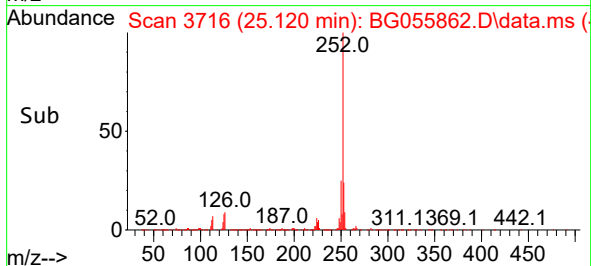
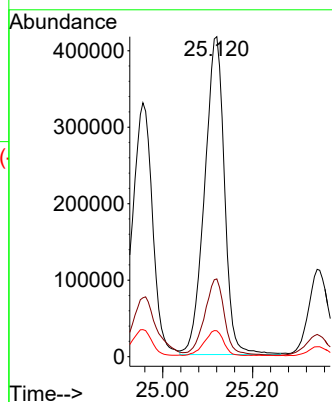
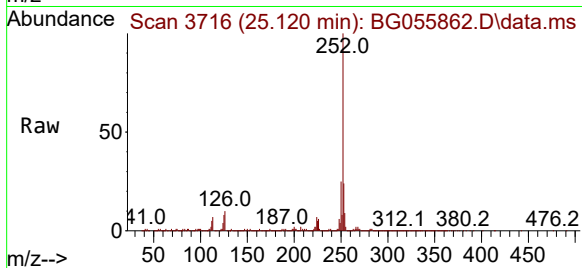
Tgt Ion:252 Resp: 1274716

Ion Ratio Lower Upper

252 100

253 24.3 17.8 26.6

125 8.1 6.4 9.6



#91

Dibenzo(a,h)anthracene

Concen: 8.526 ng

RT: 29.668 min Scan# 4490

Delta R.T. 0.458 min

Lab File: BG055862.D

Acq: 1 Dec 2022 19:22

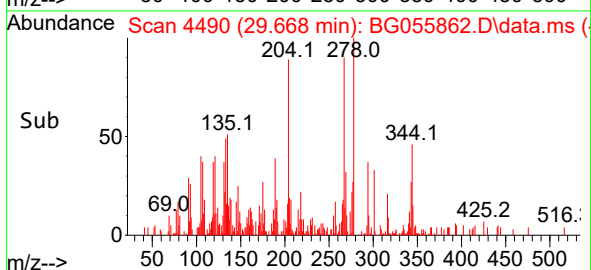
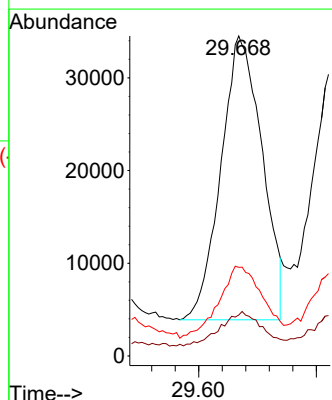
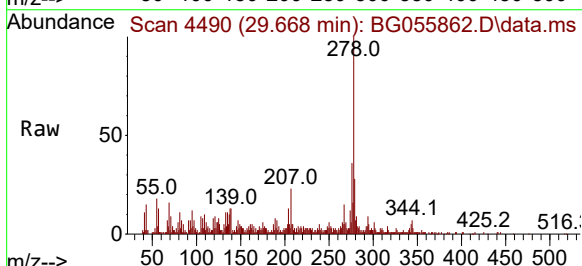
Tgt Ion:278 Resp: 148458

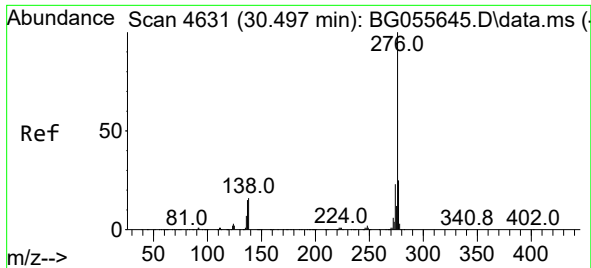
Ion Ratio Lower Upper

278 100

139 12.8 9.8 14.8

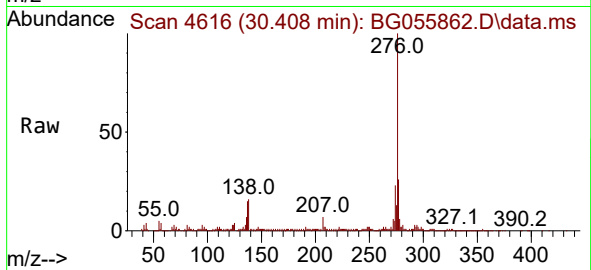
279 27.7 19.8 29.6





#92
Benzo(g,h,i)perylene
Concen: 35.401 ng
RT: 30.408 min Scan# 4
Delta R.T. 0.035 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

Instrument :
BNA_G
ClientSampleId :
PEQ-STOCK



Tgt Ion:276 Resp: 621281
Ion Ratio Lower Upper
276 100
277 25.6 19.8 29.6
138 15.7 13.1 19.7

