

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112922\
 Data File : BG055836.D
 Acq On : 29 Nov 2022 20:08
 Operator : CG/JU
 Sample : N5787-05 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PEQ-STOCK

Quant Time: Nov 30 02:06:39 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 30 02:01:09 2022
 Response via : Initial Calibration

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

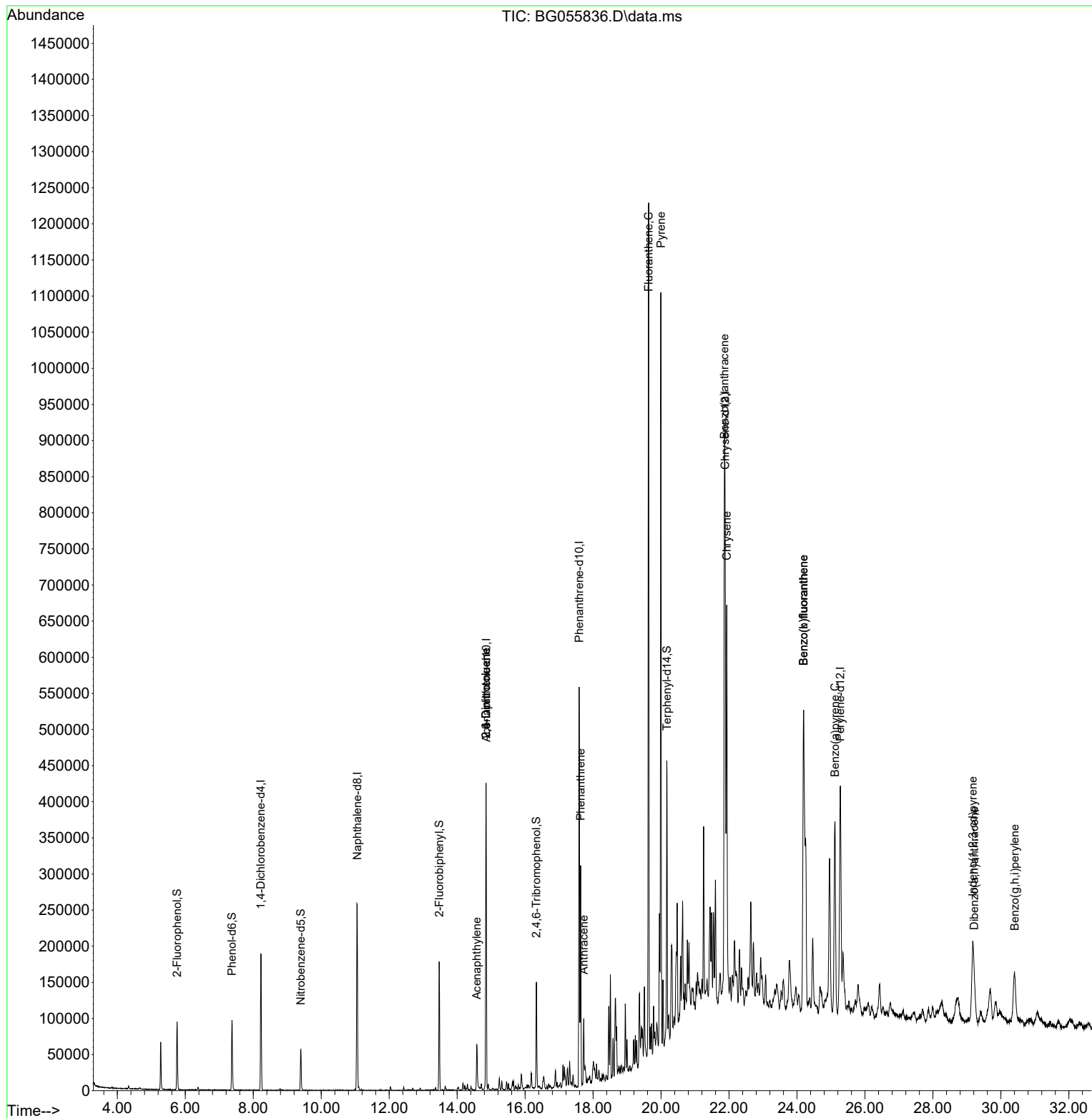
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.223	152	54805	20.000	ng	0.00
21) Naphthalene-d8	11.055	136	228912	20.000	ng	0.00
39) Acenaphthene-d10	14.851	164	158729	20.000	ng	0.00
64) Phenanthrene-d10	17.589	188	352309	20.000	ng	0.00
76) Chrysene-d12	21.884	240	333844	20.000	ng	0.00
86) Perylene-d12	25.274	264	363154	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.756	112	43988	14.508	ng	0.00
7) Phenol-d6	7.371	99	58420	14.474	ng	0.00
23) Nitrobenzene-d5	9.398	82	35427	8.180	ng	0.00
42) 2,4,6-Tribromophenol	16.332	330	29212	13.070	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	95243	8.989	ng	0.00
79) Terphenyl-d14	20.174	244	163603	9.802	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.575	152	67862	4.584	ng	99
51) 2,6-Dinitrotoluene	14.845	165	21349	8.252	ng	# 26
57) 2,4-Dinitrotoluene	14.845	165	21349	5.853	ng	# 24
71) Phenanthrene	17.630	178	191188	10.056	ng	97
72) Anthracene	17.724	178	66491	3.599	ng	99
75) Fluoranthene	19.634	202	787161	34.033	ng	99
78) Pyrene	19.992	202	664888	29.423	ng	99
81) Benzo(a)anthracene	21.860	228	447393	19.457	ng	98
83) Chrysene	21.931	228	409686	18.716	ng	98
87) Indeno(1,2,3-cd)pyrene	29.169	276	209817	7.053	ng	# 95
88) Benzo(b)fluoranthene	24.193	252	535932	22.660	ng	99
89) Benzo(k)fluoranthene	24.193	252	535932	22.733	ng	98
90) Benzo(a)pyrene	25.115	252	312074	15.377	ng	98
91) Dibenzo(a,h)anthracene	29.216	278	62930	2.589	ng	94
92) Benzo(g,h,i)perylene	30.403	276	167256	6.826	ng	99

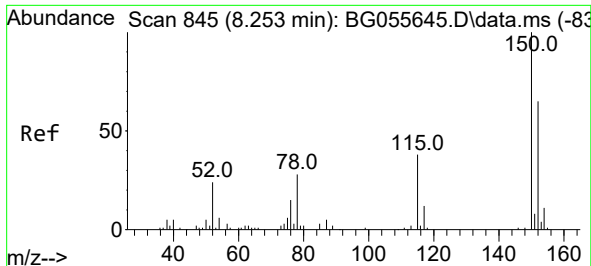
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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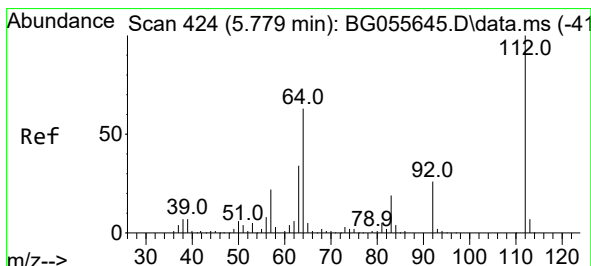
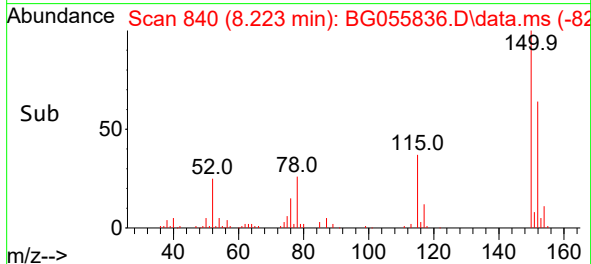
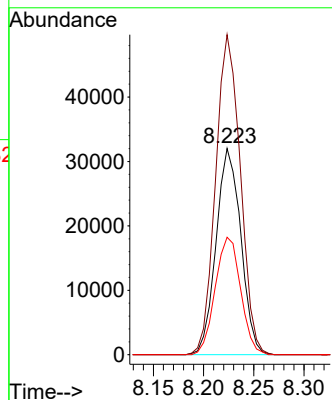
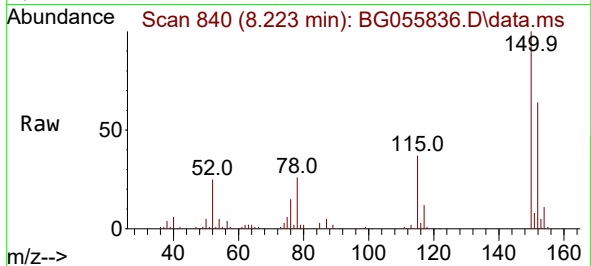




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.223 min Scan# 84
 Delta R.T. -0.003 min
 Lab File: BG055836.D
 Acq: 29 Nov 2022 20:08

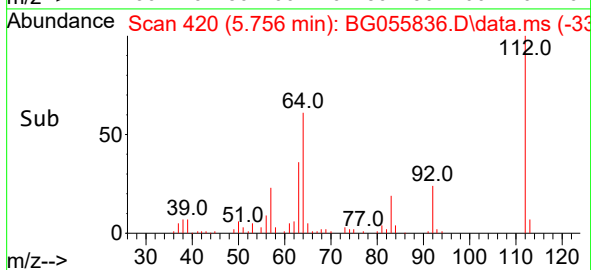
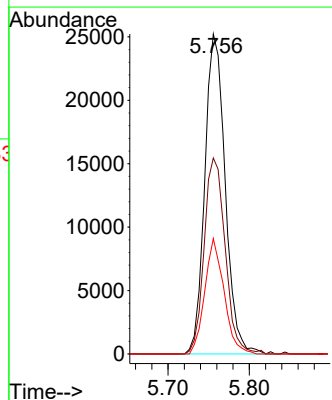
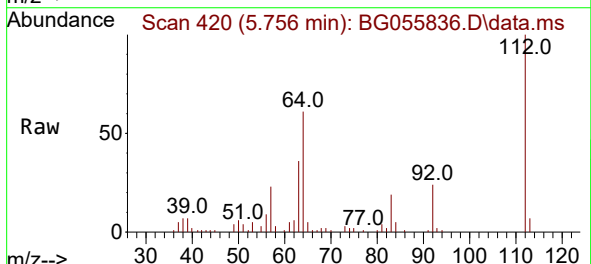
Instrument :
 BNA_G
 ClientSampleId :
 PEQ-STOCK

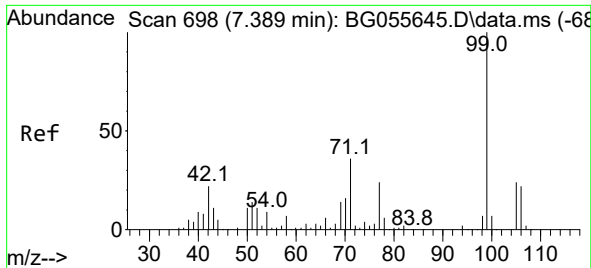
Tgt Ion:152 Resp: 54805
 Ion Ratio Lower Upper
 152 100
 150 155.1 123.0 184.6
 115 56.9 47.0 70.4



#5
 2-Fluorophenol
 Concen: 14.508 ng
 RT: 5.756 min Scan# 420
 Delta R.T. -0.002 min
 Lab File: BG055836.D
 Acq: 29 Nov 2022 20:08

Tgt Ion:112 Resp: 43988
 Ion Ratio Lower Upper
 112 100
 64 61.2 50.6 76.0
 63 36.1 27.5 41.3

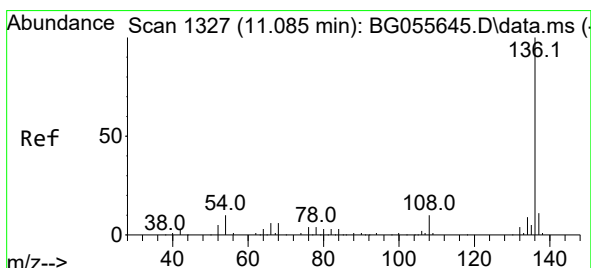
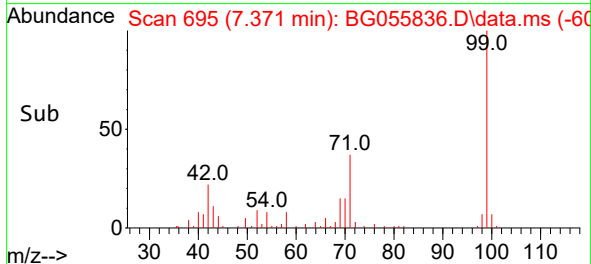
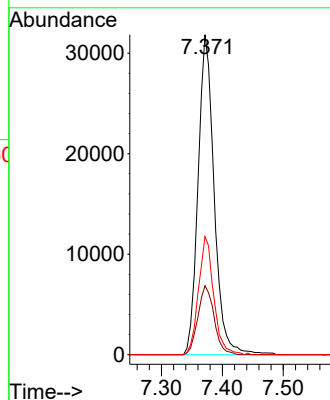
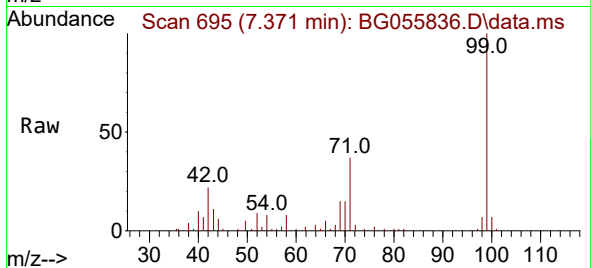




#7
Phenol-d6
Concen: 14.474 ng
RT: 7.371 min Scan# 695
Delta R.T. -0.002 min
Lab File: BG055836.D
Acq: 29 Nov 2022 20:08

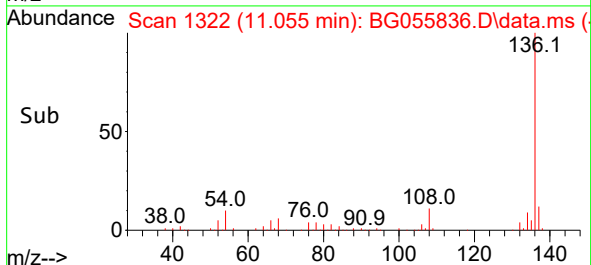
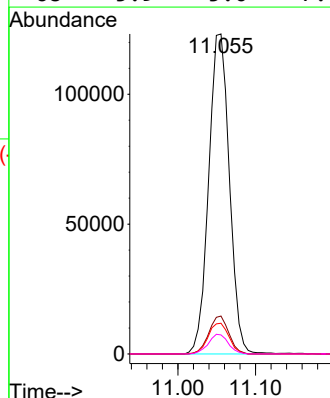
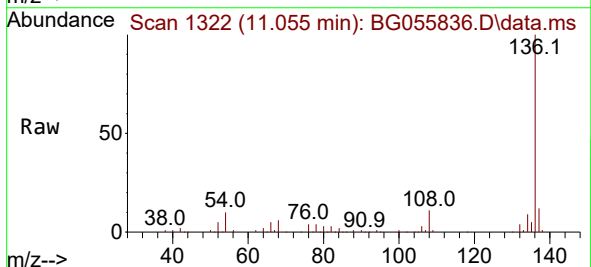
Instrument :
BNA_G
ClientSampleId :
PEQ-STOCK

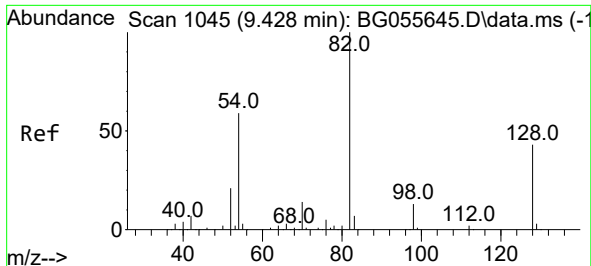
Tgt Ion: 99 Resp: 58420
Ion Ratio Lower Upper
99 100
42 21.5 18.0 27.0
71 36.9 29.0 43.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.055 min Scan# 1322
Delta R.T. -0.002 min
Lab File: BG055836.D
Acq: 29 Nov 2022 20:08

Tgt Ion: 136 Resp: 228912
Ion Ratio Lower Upper
136 100
137 11.8 9.0 13.6
54 9.6 7.8 11.6
68 5.9 5.0 7.4





#23
Nitrobenzene-d5
Concen: 8.180 ng
RT: 9.398 min Scan# 1040
Delta R.T. -0.002 min
Lab File: BG055836.D
Acq: 29 Nov 2022 20:08

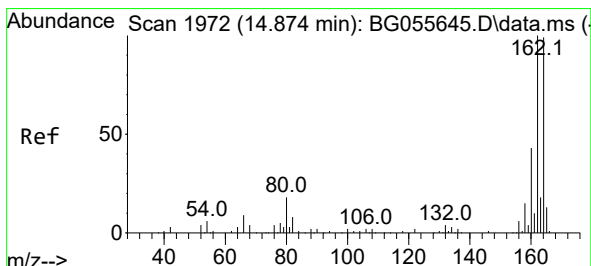
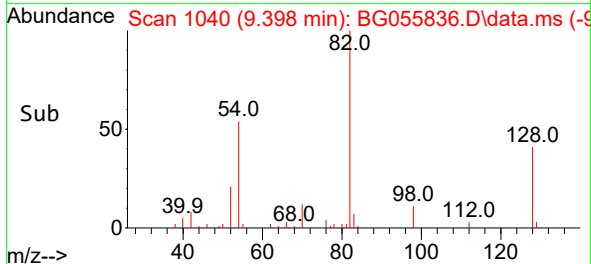
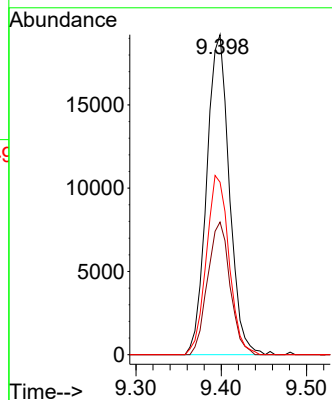
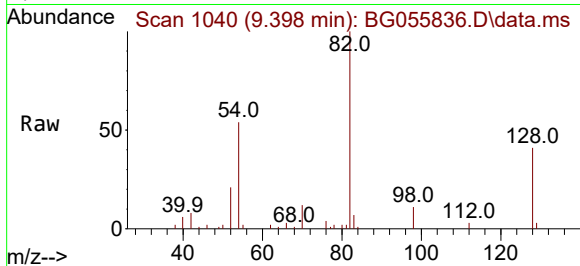
Instrument :

BNA_G

ClientSampleId :

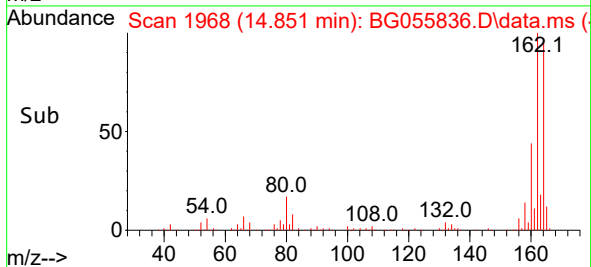
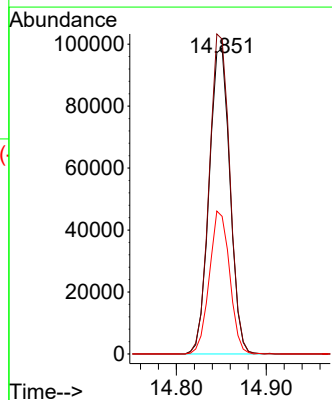
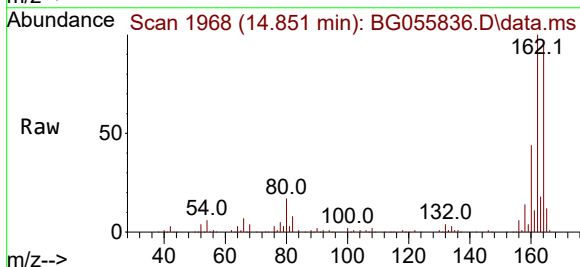
PEQ-STOCK

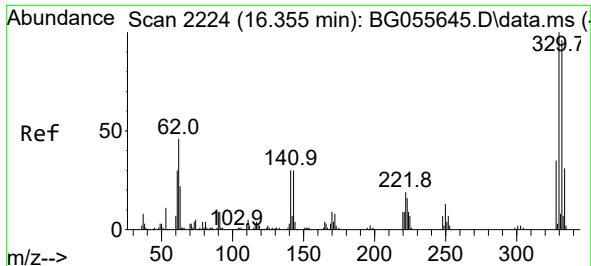
Tgt Ion: 82 Resp: 35427
Ion Ratio Lower Upper
82 100
128 41.5 34.1 51.1
54 53.9 47.3 70.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.851 min Scan# 1968
Delta R.T. -0.002 min
Lab File: BG055836.D
Acq: 29 Nov 2022 20:08

Tgt Ion:164 Resp: 158729
Ion Ratio Lower Upper
164 100
162 102.9 81.1 121.7
160 45.0 34.8 52.2

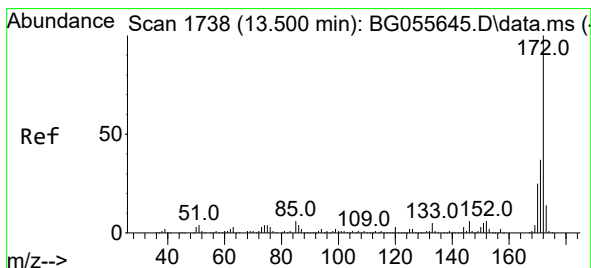
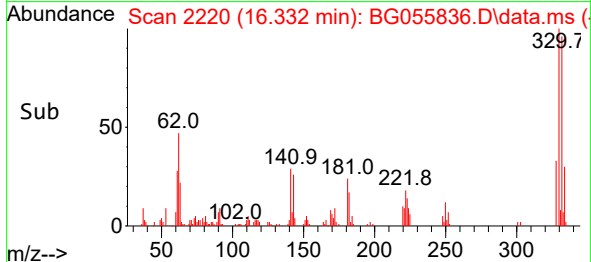
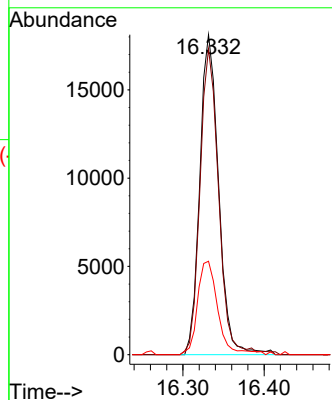
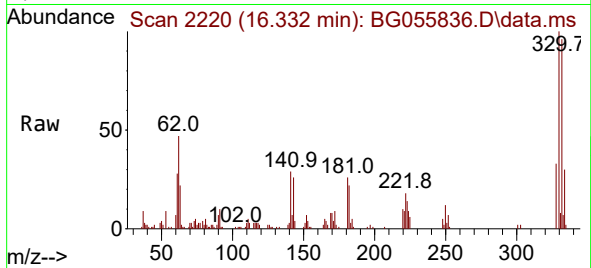




#42
2,4,6-Tribromophenol
Concen: 13.070 ng
RT: 16.332 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG055836.D
Acq: 29 Nov 2022 20:08

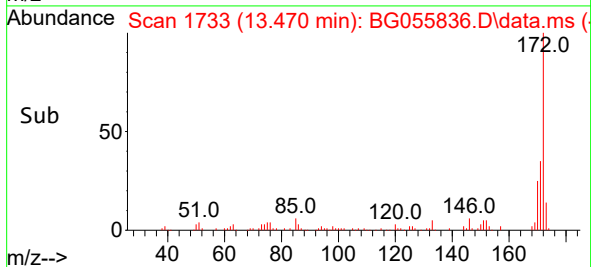
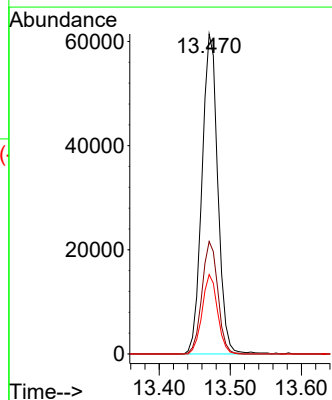
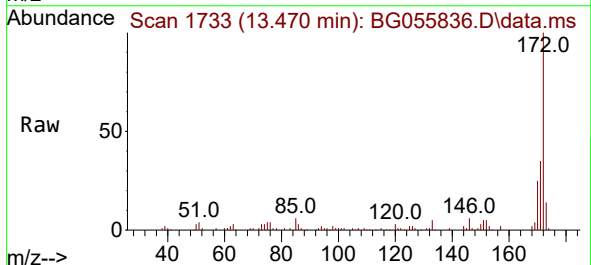
Instrument :
BNA_G
ClientSampleId :
PEQ-STOCK

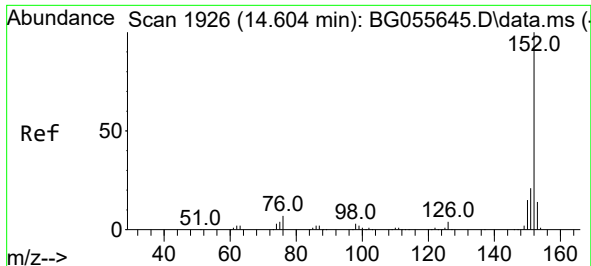
Tgt Ion:330 Resp: 29212
Ion Ratio Lower Upper
330 100
332 94.2 77.8 116.8
141 31.7 23.9 35.9



#45
2-Fluorobiphenyl
Concen: 8.989 ng
RT: 13.470 min Scan# 1733
Delta R.T. -0.002 min
Lab File: BG055836.D
Acq: 29 Nov 2022 20:08

Tgt Ion:172 Resp: 95243
Ion Ratio Lower Upper
172 100
171 35.2 29.8 44.6
170 24.8 20.2 30.4

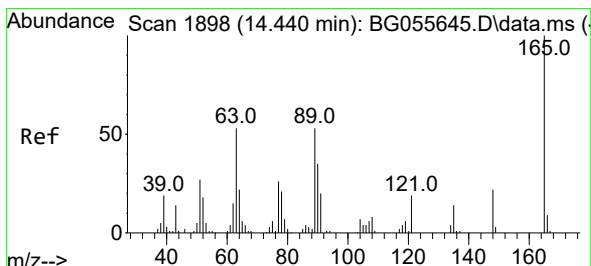
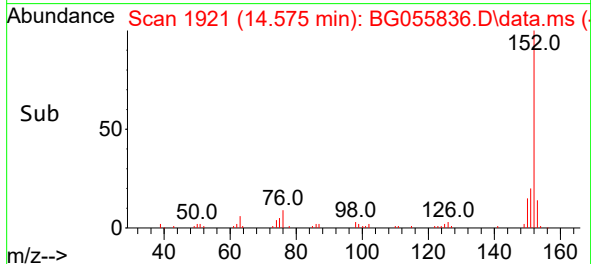
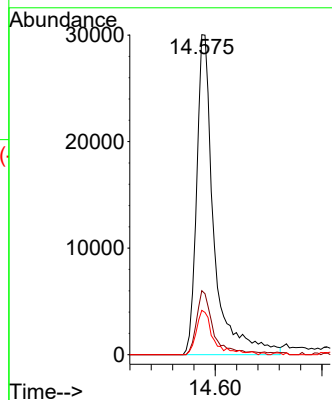
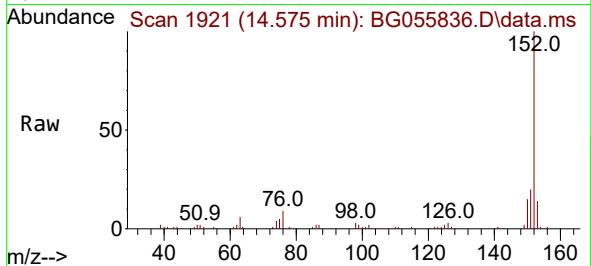




#49
Acenaphthylene
Concen: 4.584 ng
RT: 14.575 min Scan# 1921
Delta R.T. -0.002 min
Lab File: BG055836.D
Acq: 29 Nov 2022 20:08

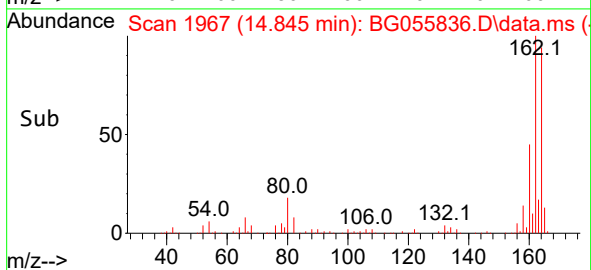
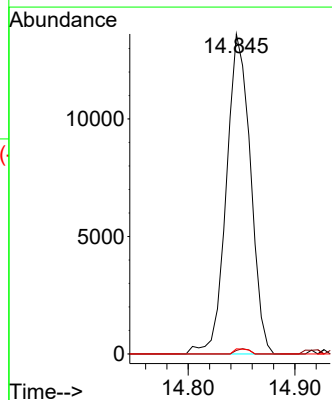
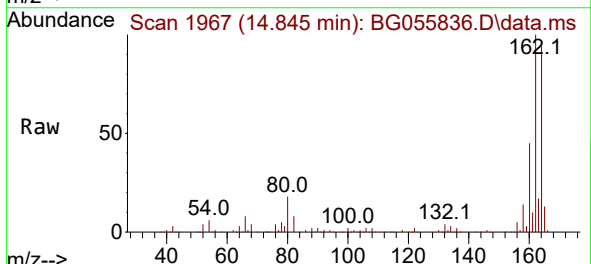
Instrument :
BNA_G
ClientSampleId :
PEQ-STOCK

Tgt Ion:152 Resp: 67862
Ion Ratio Lower Upper
152 100
151 20.0 16.4 24.6
153 13.8 11.0 16.4



#51
2,6-Dinitrotoluene
Concen: 8.252 ng
RT: 14.845 min Scan# 1967
Delta R.T. 0.427 min
Lab File: BG055836.D
Acq: 29 Nov 2022 20:08

Tgt Ion:165 Resp: 21349
Ion Ratio Lower Upper
165 100
63 1.1 44.6 66.8#
89 1.6 42.2 63.4#





#57

2,4-Dinitrotoluene

Concen: 5.853 ng

RT: 14.845 min Scan# 1967

Delta R.T. -0.361 min

Lab File: BG055836.D

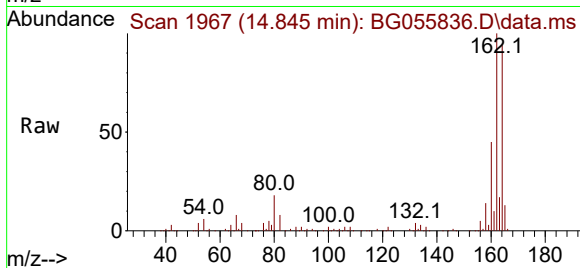
Acq: 29 Nov 2022 20:08

Instrument :

BNA_G

ClientSampleId :

PEQ-STOCK



Tgt Ion:165 Resp: 21349

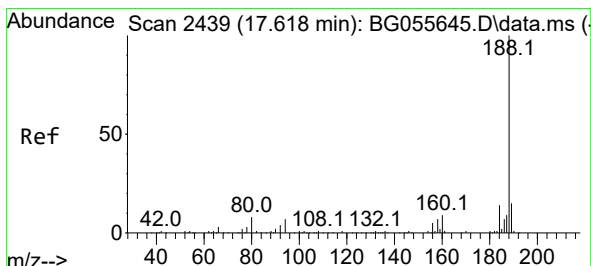
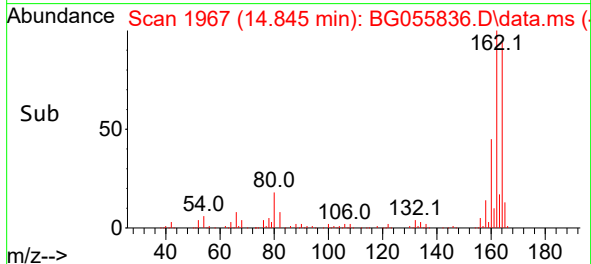
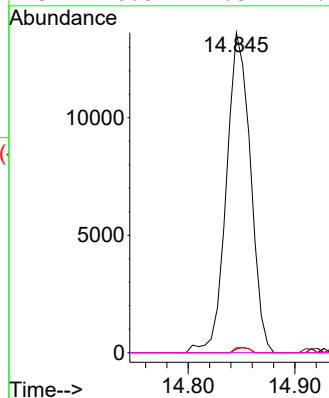
Ion Ratio Lower Upper

165 100

63 1.1 35.8 53.8#

89 1.6 56.2 84.4#

182 0.0 1.8 2.8#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.589 min Scan# 2434

Delta R.T. -0.002 min

Lab File: BG055836.D

Acq: 29 Nov 2022 20:08

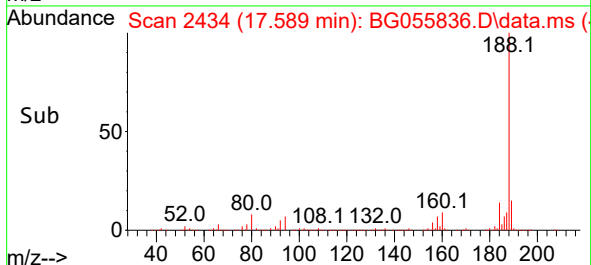
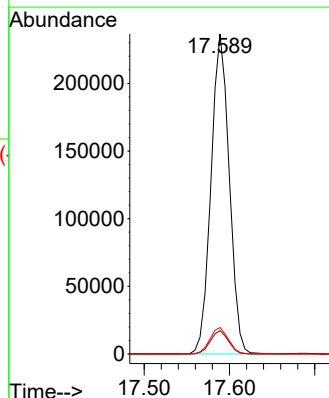
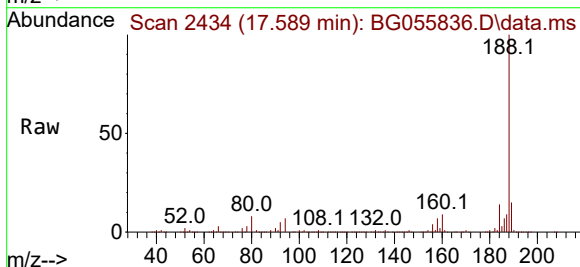
Tgt Ion:188 Resp: 352309

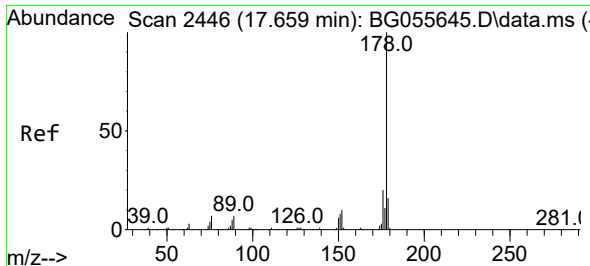
Ion Ratio Lower Upper

188 100

94 7.3 5.4 8.2

80 8.2 6.6 10.0

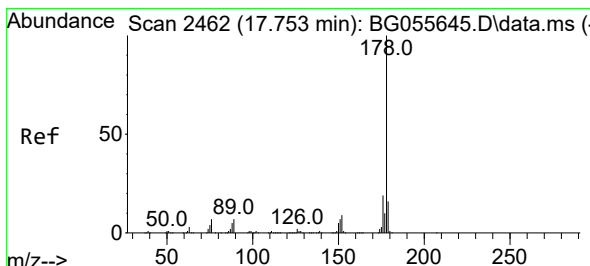
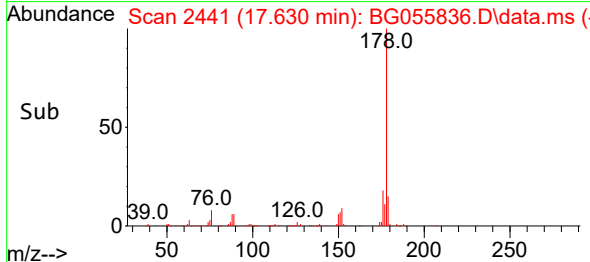
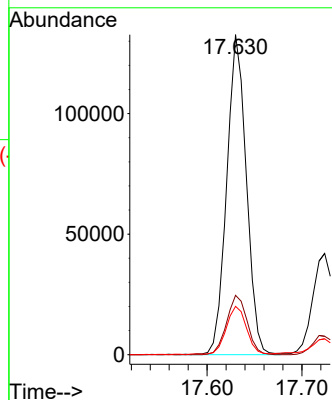
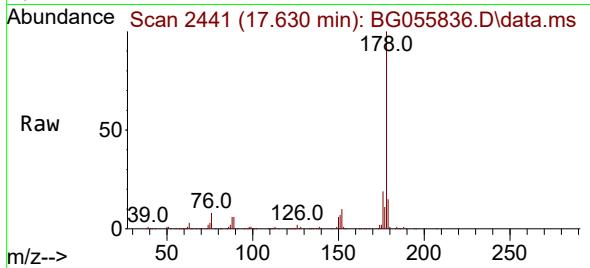




#71
Phenanthrene
Concen: 10.056 ng
RT: 17.630 min Scan# 2446
Delta R.T. -0.002 min
Lab File: BG055836.D
Acq: 29 Nov 2022 20:08

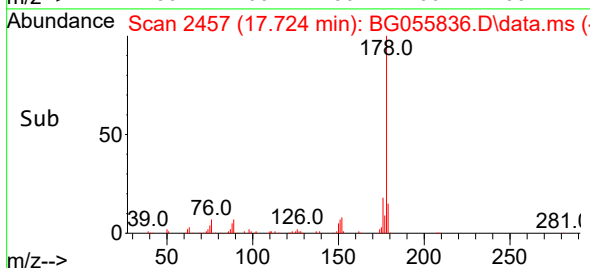
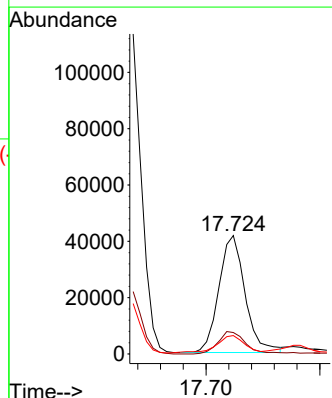
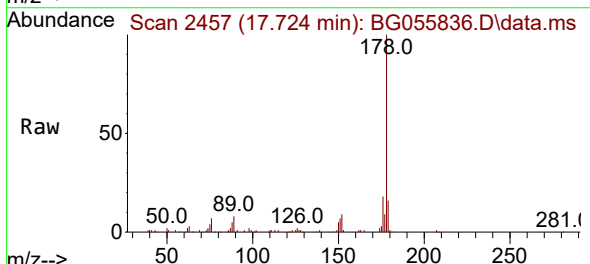
Instrument :
BNA_G
ClientSampleId :
PEQ-STOCK

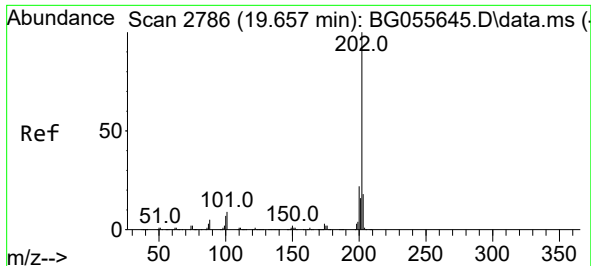
Tgt Ion:178 Resp: 191188
Ion Ratio Lower Upper
178 100
176 18.5 16.0 24.0
179 15.1 12.7 19.1



#72
Anthracene
Concen: 3.599 ng
RT: 17.724 min Scan# 2457
Delta R.T. -0.002 min
Lab File: BG055836.D
Acq: 29 Nov 2022 20:08

Tgt Ion:178 Resp: 66491
Ion Ratio Lower Upper
178 100
176 18.2 15.5 23.3
179 15.6 12.5 18.7

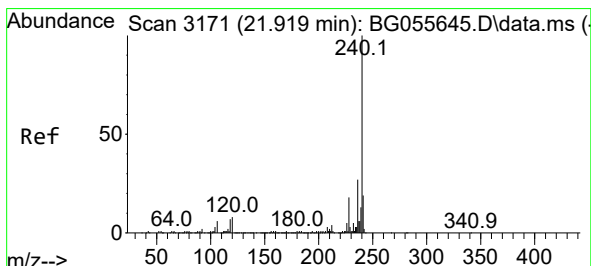
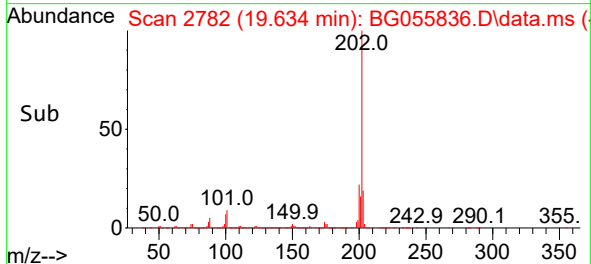
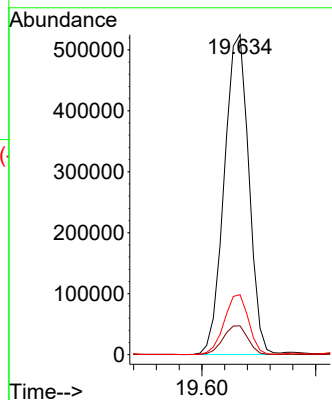
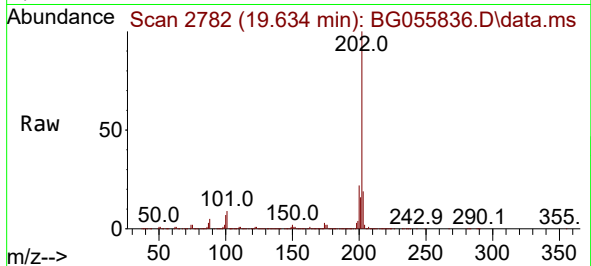




#75
Fluoranthene
Concen: 34.033 ng
RT: 19.634 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG055836.D
Acq: 29 Nov 2022 20:08

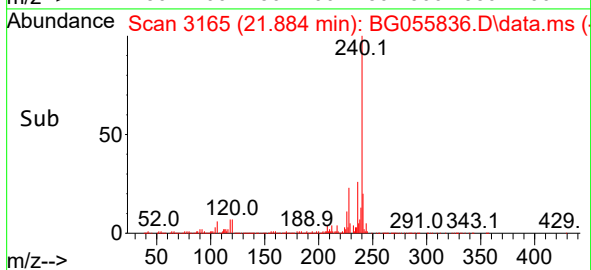
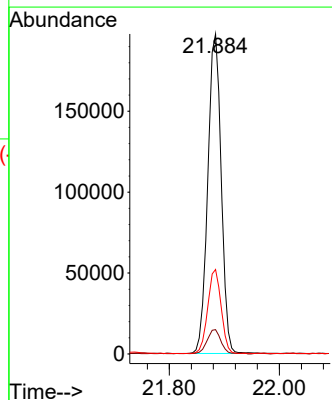
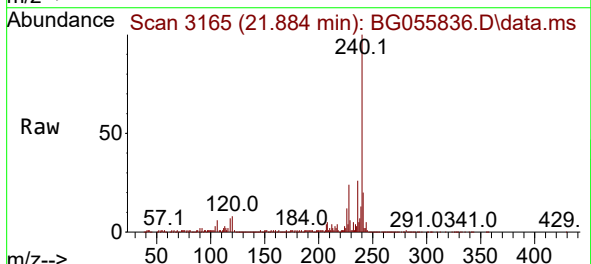
Instrument :
BNA_G
ClientSampleId :
PEQ-STOCK

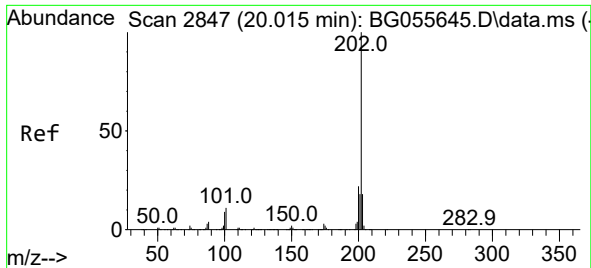
Tgt Ion:202 Resp: 787161
Ion Ratio Lower Upper
202 100
101 9.0 0.0 28.8
203 18.8 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.884 min Scan# 3165
Delta R.T. 0.004 min
Lab File: BG055836.D
Acq: 29 Nov 2022 20:08

Tgt Ion:240 Resp: 333844
Ion Ratio Lower Upper
240 100
120 7.6 6.3 9.5
236 26.4 21.9 32.9

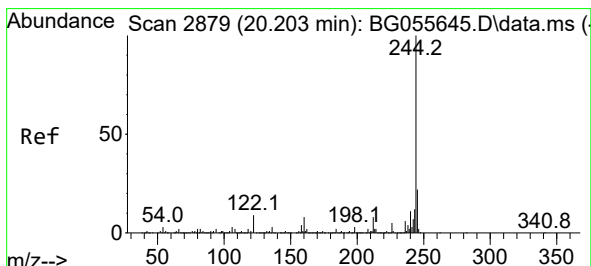
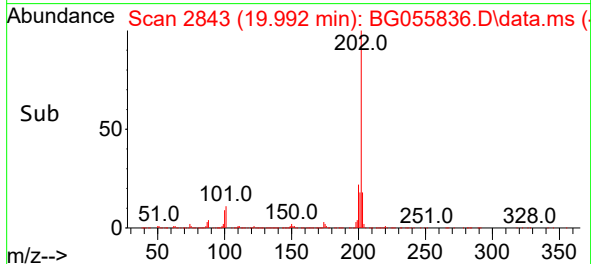
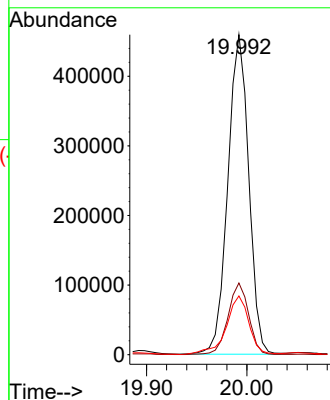
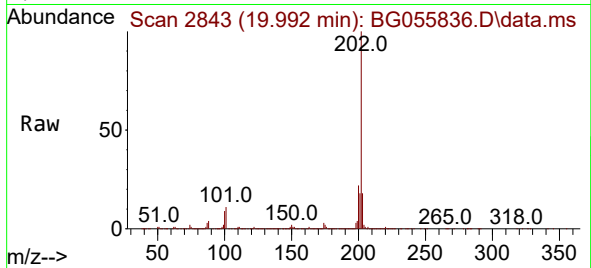




#78
 Pyrene
 Concen: 29.423 ng
 RT: 19.992 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG055836.D
 Acq: 29 Nov 2022 20:08

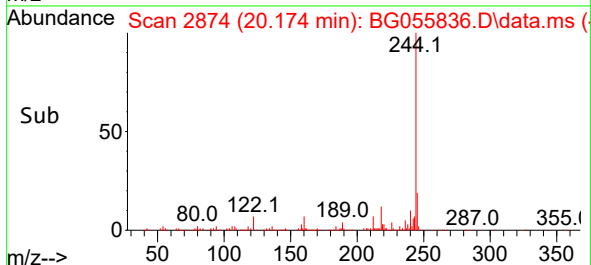
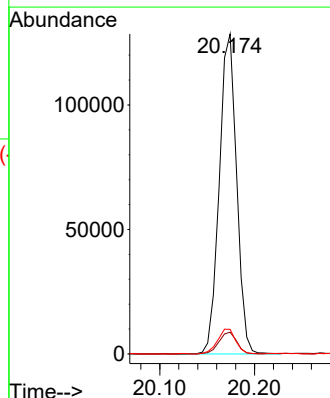
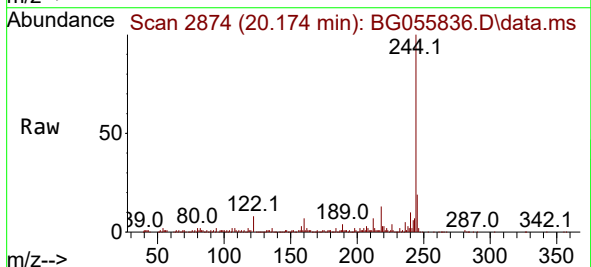
Instrument :
 BNA_G
 ClientSampleId :
 PEQ-STOCK

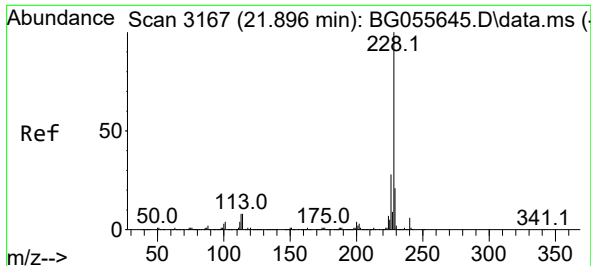
Tgt Ion:202 Resp: 664888
 Ion Ratio Lower Upper
 202 100
 200 22.4 17.8 26.6
 203 18.4 14.4 21.6



#79
 Terphenyl-d14
 Concen: 9.802 ng
 RT: 20.174 min Scan# 2874
 Delta R.T. -0.002 min
 Lab File: BG055836.D
 Acq: 29 Nov 2022 20:08

Tgt Ion:244 Resp: 163603
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.3 9.5
 122 7.7 6.9 10.3

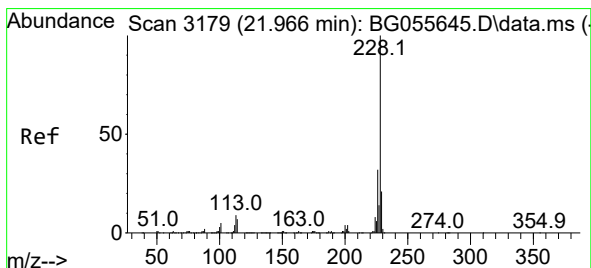
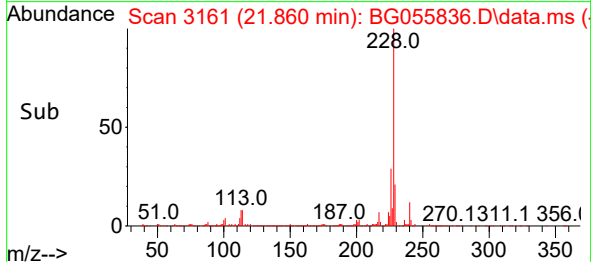
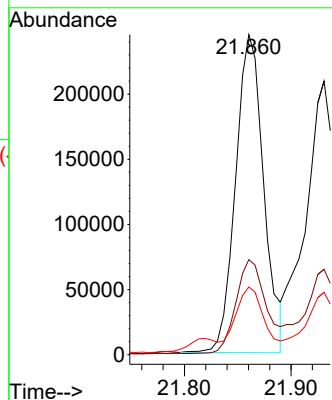
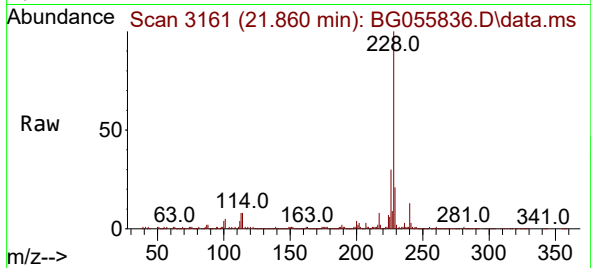




#81
Benzo(a)anthracene
Concen: 19.457 ng
RT: 21.860 min Scan# 3167
Delta R.T. -0.002 min
Lab File: BG055836.D
Acq: 29 Nov 2022 20:08

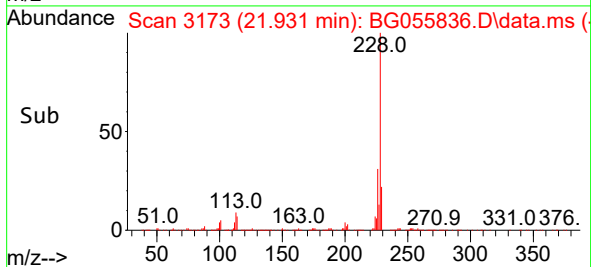
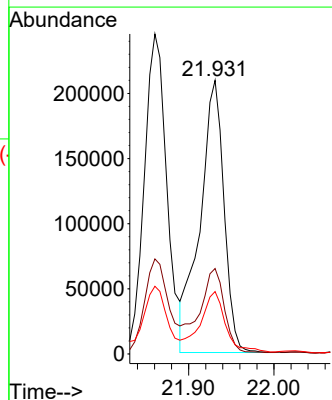
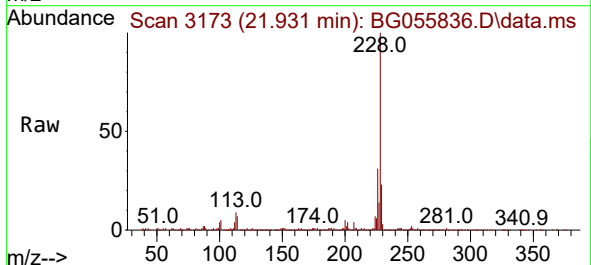
Instrument :
BNA_G
ClientSampleId :
PEQ-STOCK

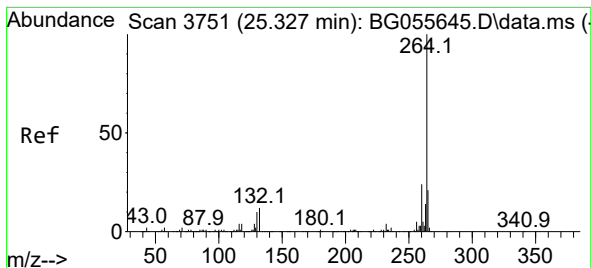
Tgt Ion:228 Resp: 447393
Ion Ratio Lower Upper
228 100
226 29.7 22.7 34.1
229 21.2 16.5 24.7



#83
Chrysene
Concen: 18.716 ng
RT: 21.931 min Scan# 3173
Delta R.T. -0.002 min
Lab File: BG055836.D
Acq: 29 Nov 2022 20:08

Tgt Ion:228 Resp: 409686
Ion Ratio Lower Upper
228 100
226 31.2 25.4 38.2
229 22.8 17.1 25.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.274 min Scan# 3

Delta R.T. 0.004 min

Lab File: BG055836.D

Acq: 29 Nov 2022 20:08

Instrument :

BNA_G

ClientSampleId :

PEQ-STOCK

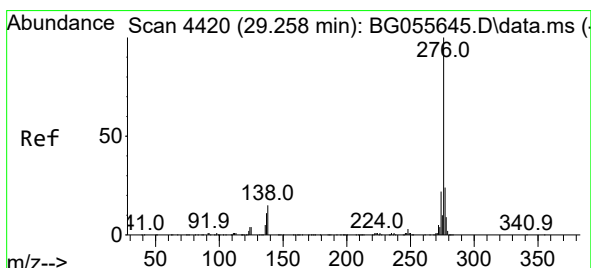
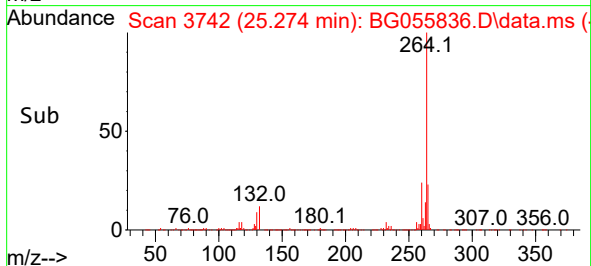
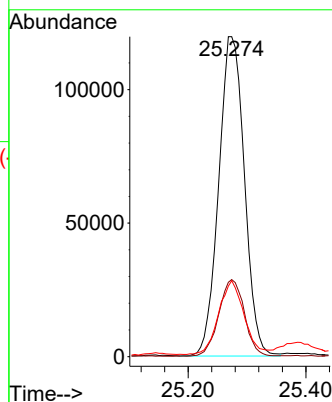
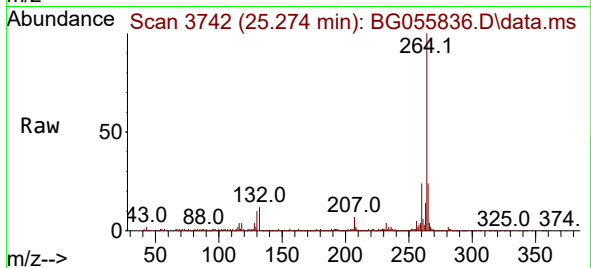
Tgt Ion:264 Resp: 363154

Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

265 23.8 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.053 ng

RT: 29.169 min Scan# 4405

Delta R.T. -0.020 min

Lab File: BG055836.D

Acq: 29 Nov 2022 20:08

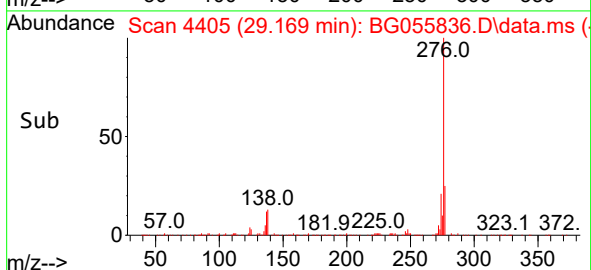
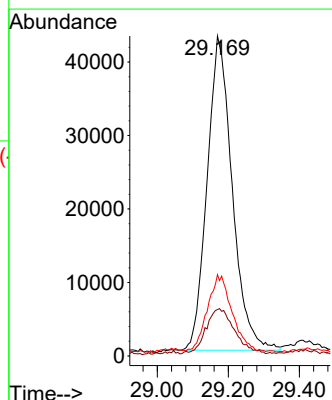
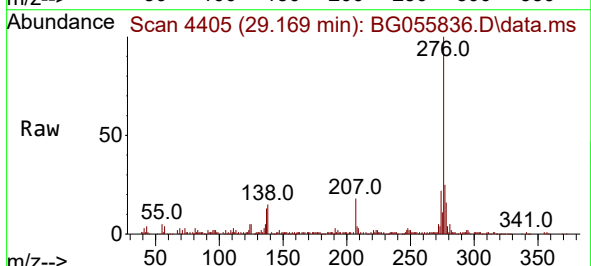
Tgt Ion:276 Resp: 209817

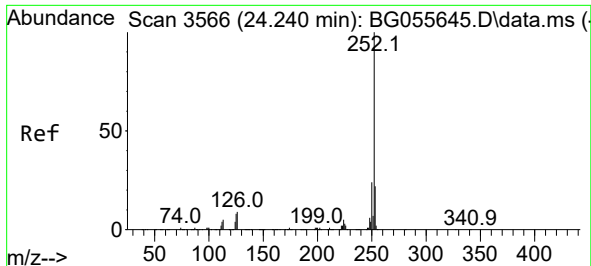
Ion Ratio Lower Upper

276 100

138 15.9 10.4 15.6#

277 23.7 20.2 30.4

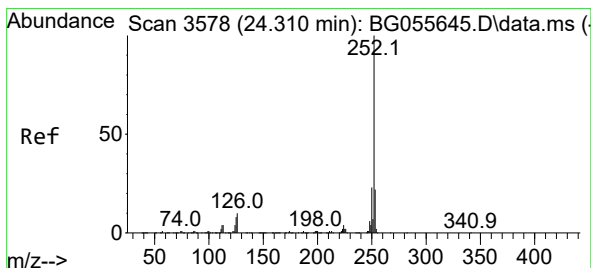
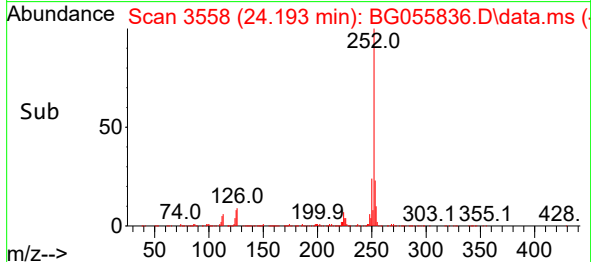
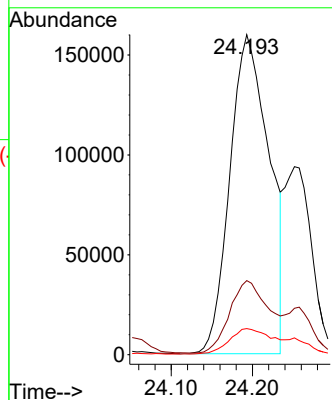
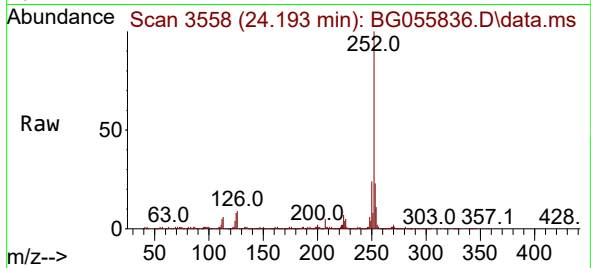




#88
Benzo(b)fluoranthene
Concen: 22.660 ng
RT: 24.193 min Scan# 3558
Delta R.T. 0.004 min
Lab File: BG055836.D
Acq: 29 Nov 2022 20:08

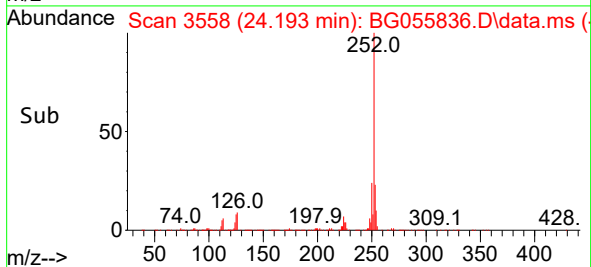
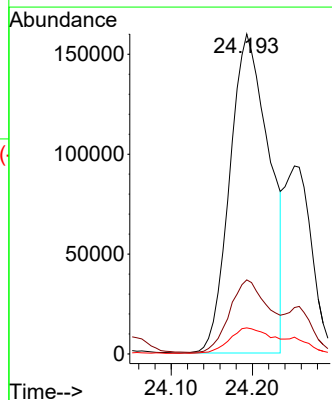
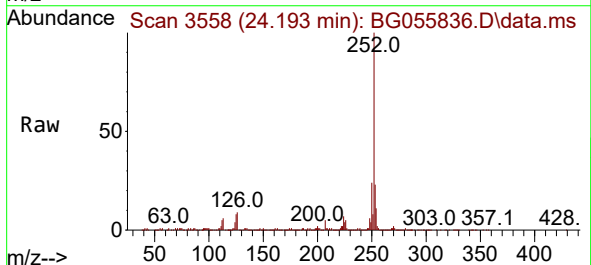
Instrument :
BNA_G
ClientSampleId :
PEQ-STOCK

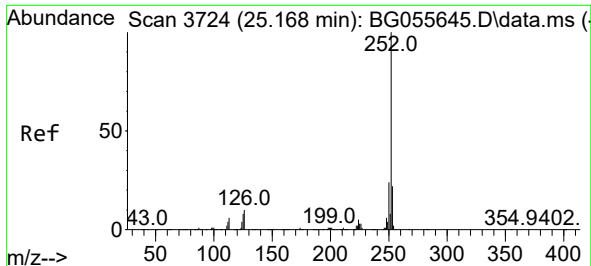
Tgt Ion:252 Resp: 535932
Ion Ratio Lower Upper
252 100
253 23.2 18.0 27.0
125 8.2 6.2 9.2



#89
Benzo(k)fluoranthene
Concen: 22.733 ng
RT: 24.193 min Scan# 3558
Delta R.T. -0.073 min
Lab File: BG055836.D
Acq: 29 Nov 2022 20:08

Tgt Ion:252 Resp: 535932
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 8.2 6.1 9.1

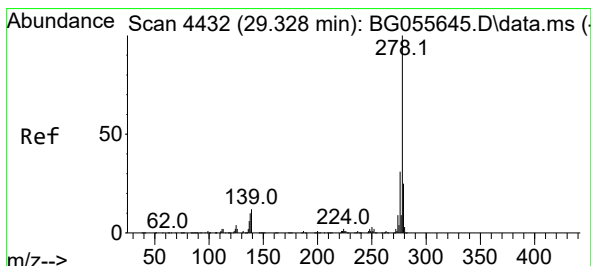
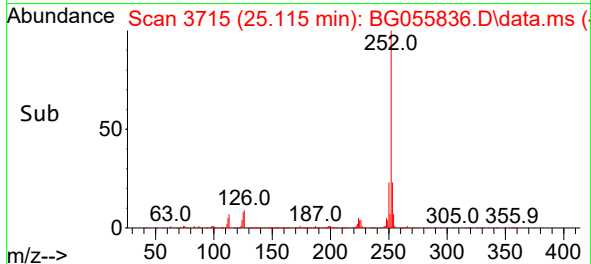
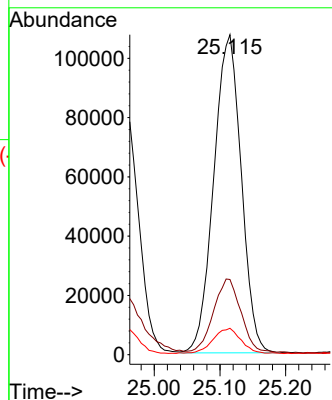
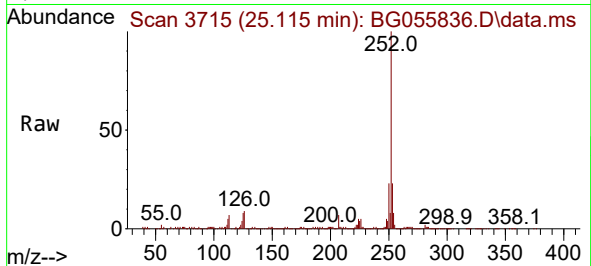




#90
Benzo(a)pyrene
Concen: 15.377 ng
RT: 25.115 min Scan# 31
Delta R.T. -0.002 min
Lab File: BG055836.D
Acq: 29 Nov 2022 20:08

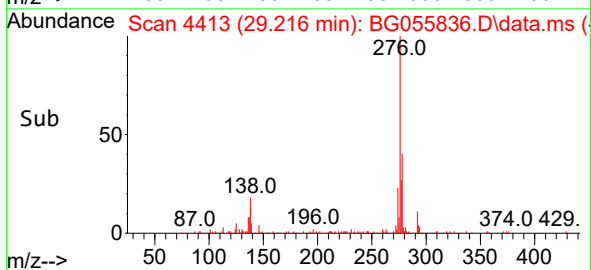
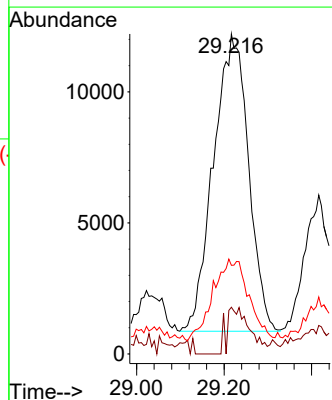
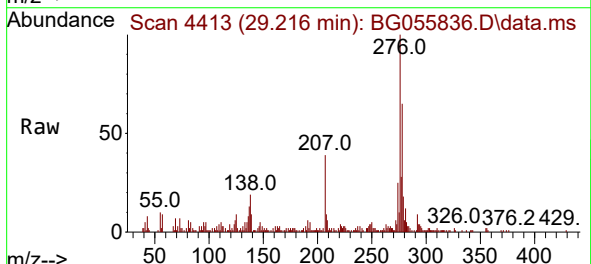
Instrument :
BNA_G
ClientSampleId :
PEQ-STOCK

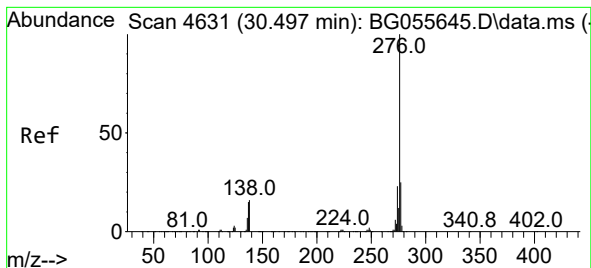
Tgt Ion:252 Resp: 312074
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 8.2 6.4 9.6



#91
Dibenzo(a,h)anthracene
Concen: 2.589 ng
RT: 29.216 min Scan# 4413
Delta R.T. -0.032 min
Lab File: BG055836.D
Acq: 29 Nov 2022 20:08

Tgt Ion:278 Resp: 62930
Ion Ratio Lower Upper
278 100
139 14.6 9.8 14.8
279 27.7 19.8 29.6





#92

Benzo(g,h,i)perylene

Concen: 6.826 ng

RT: 30.403 min Scan# 4

Delta R.T. -0.014 min

Lab File: BG055836.D

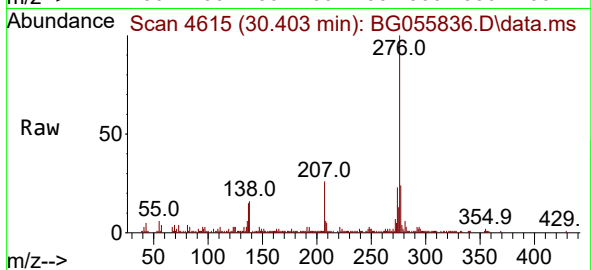
Acq: 29 Nov 2022 20:08

Instrument :

BNA_G

ClientSampleId :

PEQ-STOCK



Tgt Ion:276 Resp: 167256

Ion Ratio Lower Upper

276 100

277 24.0 19.8 29.6

138 16.0 13.1 19.7

