

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102722\
 Data File : BG055329.D
 Acq On : 27 Oct 2022 18:41
 Operator : CG/JU
 Sample : N5269-01DL 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-03-102422DL

Quant Time: Oct 27 19:15:44 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 24 16:54:05 2022
 Response via : Initial Calibration

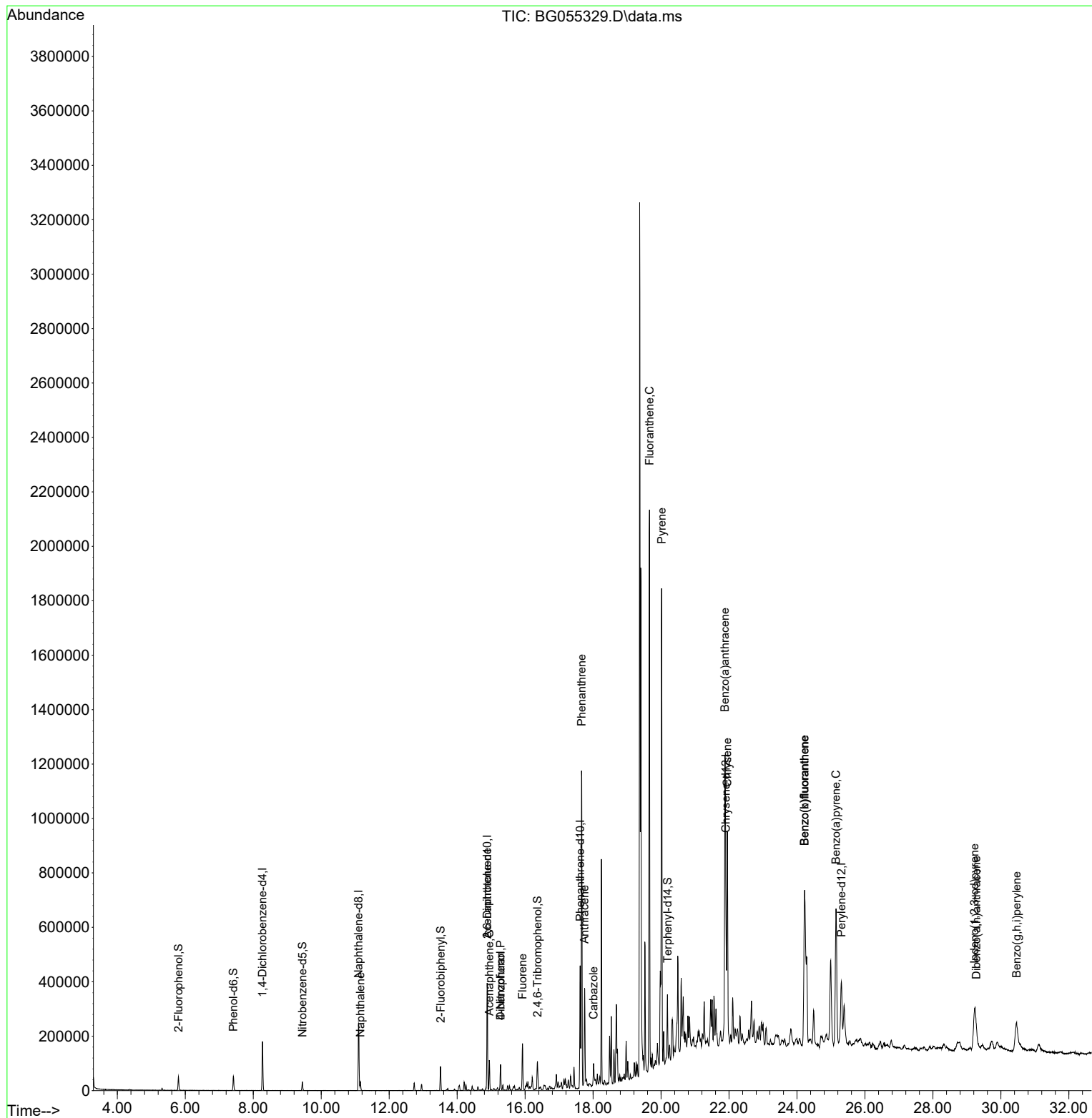
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.271	152	52401	20.000	ng	0.00
21) Naphthalene-d8	11.097	136	221169	20.000	ng	0.00
39) Acenaphthene-d10	14.881	164	138790	20.000	ng	0.00
64) Phenanthrene-d10	17.619	188	278586	20.000	ng	0.00
76) Chrysene-d12	21.902	240	251343	20.000	ng	0.00
86) Perylene-d12	25.304	264	273351	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.797	112	25147	8.403	ng	0.00
7) Phenol-d6	7.413	99	34142	7.875	ng	0.00
23) Nitrobenzene-d5	9.446	82	20959	4.839	ng	0.00
42) 2,4,6-Tribromophenol	16.361	330	12023	7.969	ng	0.00
45) 2-Fluorobiphenyl	13.512	172	48208	5.685	ng	0.00
79) Terphenyl-d14	20.192	244	70184	5.802	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	11.150	128	28678	2.431	ng	98
51) 2,6-Dinitrotoluene	14.881	165	18863	8.507	ng	# 20
52) Acenaphthene	14.945	154	38393	4.648	ng	99
55) Dibenzofuran	15.275	168	55375	4.469	ng	96
56) 4-Nitrophenol	15.275	139	20988	10.529	ng	# 6
58) Fluorene	15.921	166	75840	7.355	ng	99
71) Phenanthrene	17.660	178	727108	48.940	ng	98
72) Anthracene	17.748	178	237904	16.380	ng	98
73) Carbazole	18.012	167	49551	3.547	ng	100
75) Fluoranthene	19.658	202	1245274	71.931	ng	96
78) Pyrene	20.016	202	1107517	64.286	ng	96
81) Benzo(a)anthracene	21.879	228	660920	39.158	ng	99
83) Chrysene	21.949	228	566539	35.337	ng	98
87) Indeno(1,2,3-cd)pyrene	29.223	276	328524	16.272	ng	95
88) Benzo(b)fluoranthene	24.223	252	806187	49.030	ng	98
89) Benzo(k)fluoranthene	24.223	252	806187	48.557	ng	99
90) Benzo(a)pyrene	25.145	252	589787	41.828	ng	98
91) Dibenzo(a,h)anthracene	29.276	278	89247	5.387	ng	96
92) Benzo(g,h,i)perylene	30.463	276	290996	17.708	ng	97

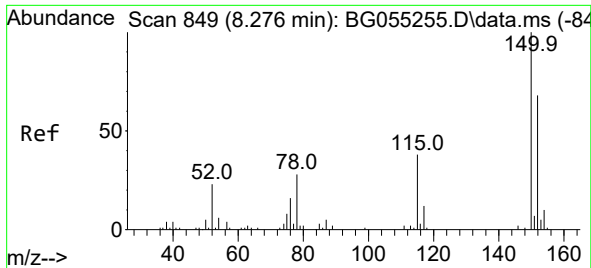
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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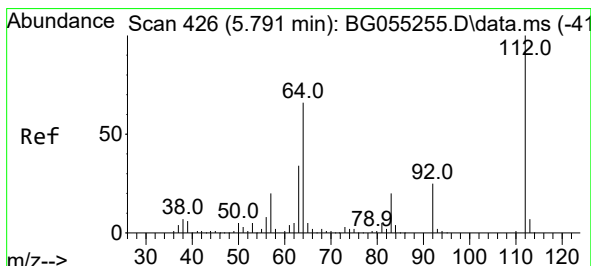
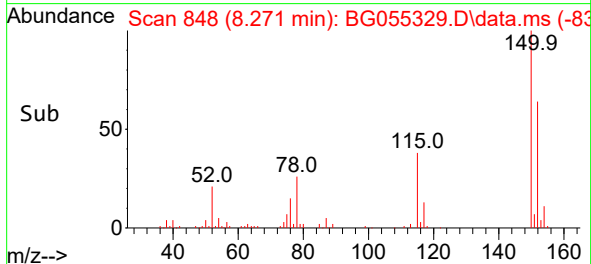
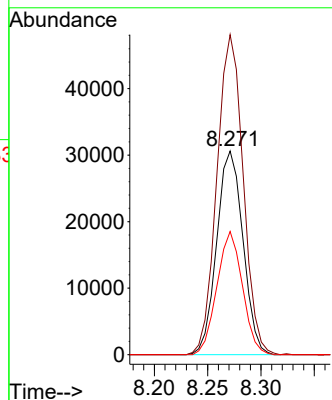
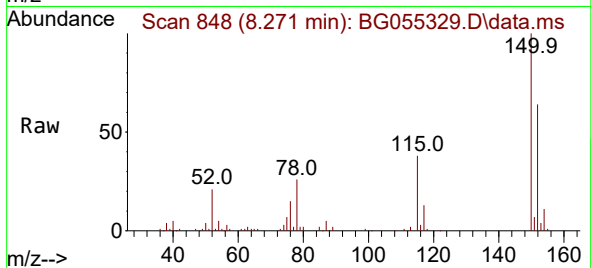




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.271 min Scan# 84
Delta R.T. -0.005 min
Lab File: BG055329.D
Acq: 27 Oct 2022 18:41

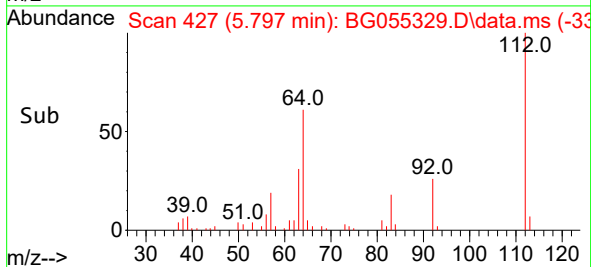
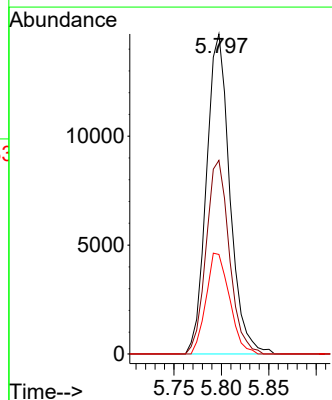
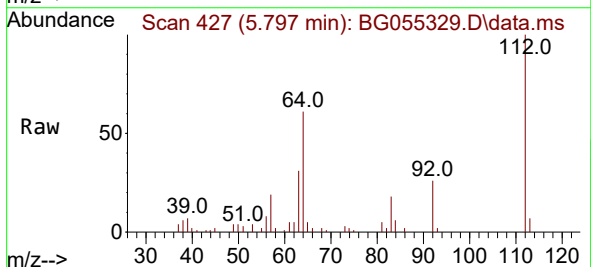
Instrument :
BNA_G
ClientSampleId :
SU-03-102422DL

Tgt Ion:152 Resp: 52401
Ion Ratio Lower Upper
152 100
150 157.1 118.2 177.4
115 60.5 44.5 66.7



#5
2-Fluorophenol
Concen: 8.403 ng
RT: 5.797 min Scan# 427
Delta R.T. 0.006 min
Lab File: BG055329.D
Acq: 27 Oct 2022 18:41

Tgt Ion:112 Resp: 25147
Ion Ratio Lower Upper
112 100
64 60.5 52.6 78.8
63 31.1 27.1 40.7

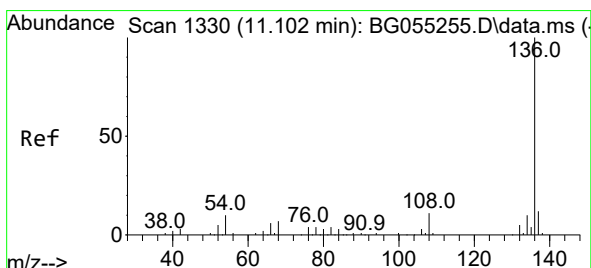
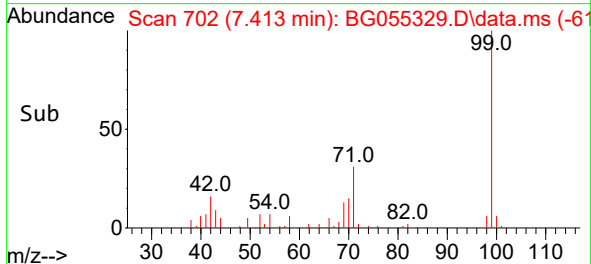
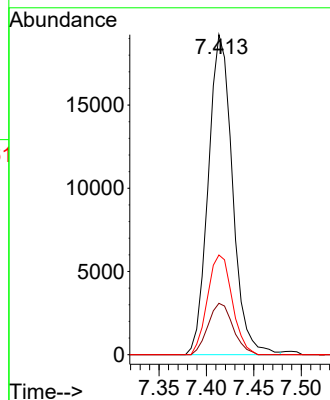
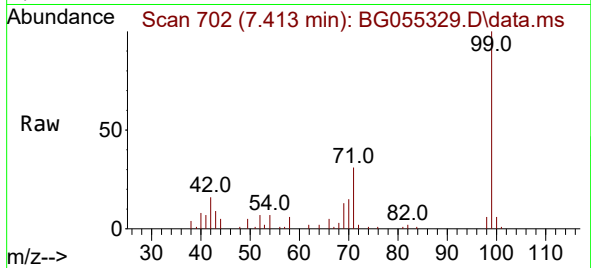




#7
Phenol-d6
Concen: 7.875 ng
RT: 7.413 min Scan# 702
Delta R.T. 0.001 min
Lab File: BG055329.D
Acq: 27 Oct 2022 18:41

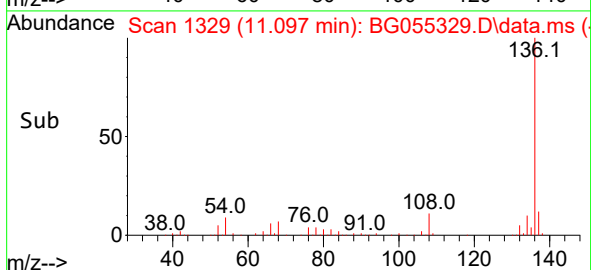
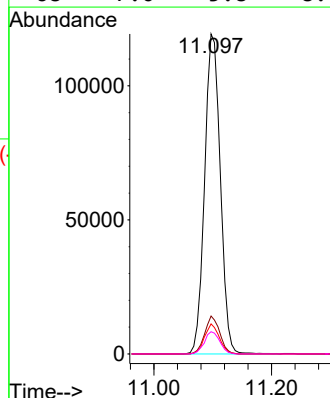
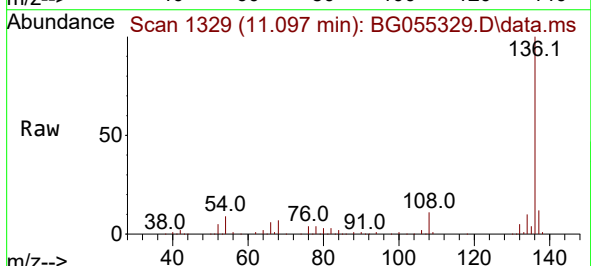
Instrument :
BNA_G
ClientSampleId :
SU-03-102422DL

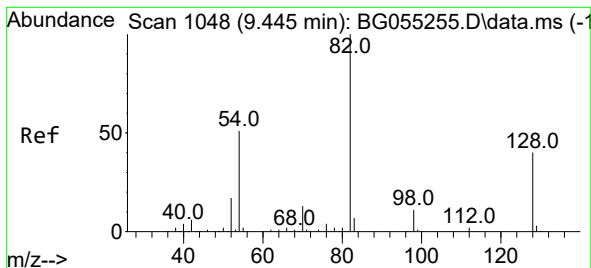
Tgt Ion: 99 Resp: 34142
Ion Ratio Lower Upper
99 100
42 16.0 15.2 22.8
71 31.2 26.2 39.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.097 min Scan# 1329
Delta R.T. -0.005 min
Lab File: BG055329.D
Acq: 27 Oct 2022 18:41

Tgt Ion: 136 Resp: 221169
Ion Ratio Lower Upper
136 100
137 11.8 9.2 13.8
54 9.4 7.8 11.8
68 7.0 5.8 8.6

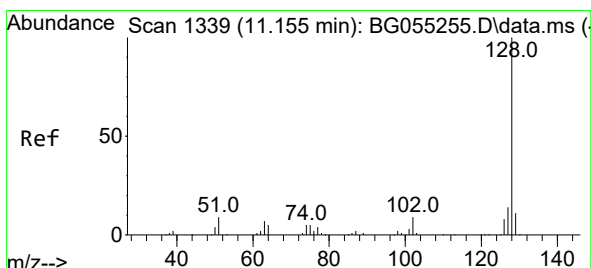
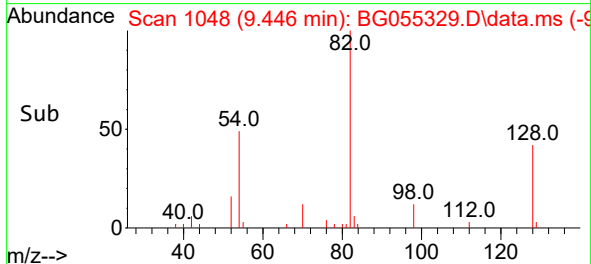
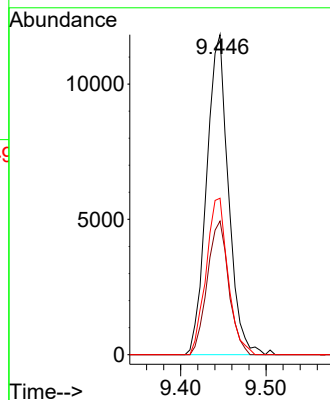
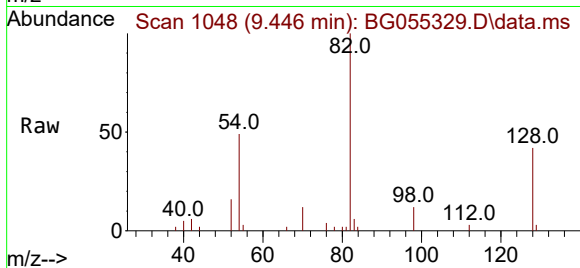




#23
Nitrobenzene-d5
Concen: 4.839 ng
RT: 9.446 min Scan# 1048
Delta R.T. 0.001 min
Lab File: BG055329.D
Acq: 27 Oct 2022 18:41

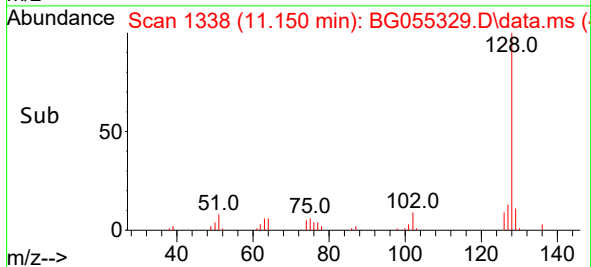
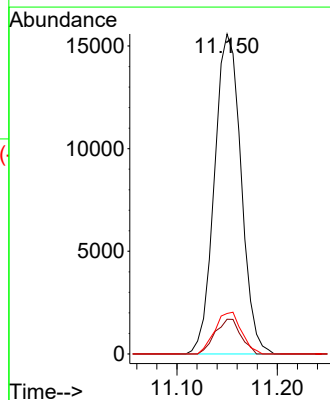
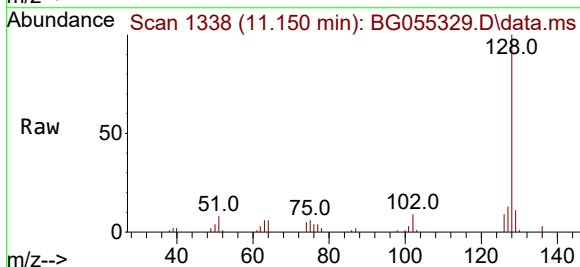
Instrument :
BNA_G
ClientSampleId :
SU-03-102422DL

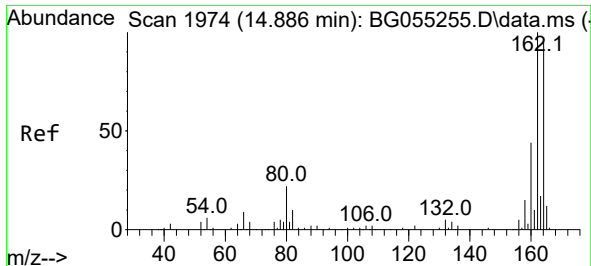
Tgt Ion:	82	Resp:	20959
Ion	Ratio	Lower	Upper
82	100		
128	41.7	32.0	48.0
54	48.9	40.9	61.3



#31
Naphthalene
Concen: 2.431 ng
RT: 11.150 min Scan# 1338
Delta R.T. -0.005 min
Lab File: BG055329.D
Acq: 27 Oct 2022 18:41

Tgt Ion:	128	Resp:	28678
Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.6
127	12.7	11.1	16.7

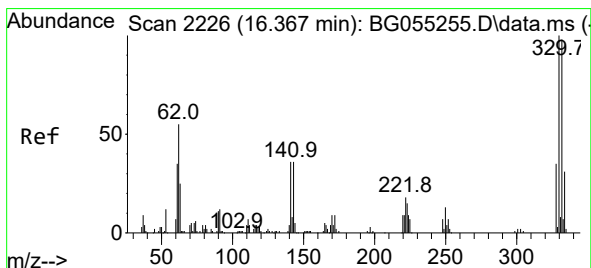
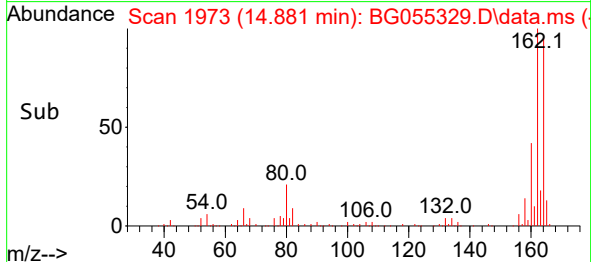
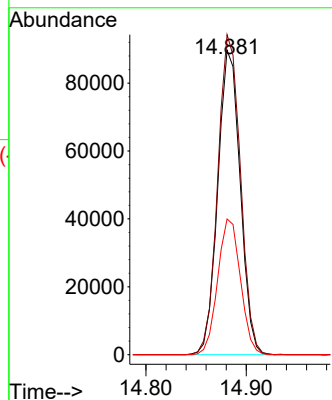
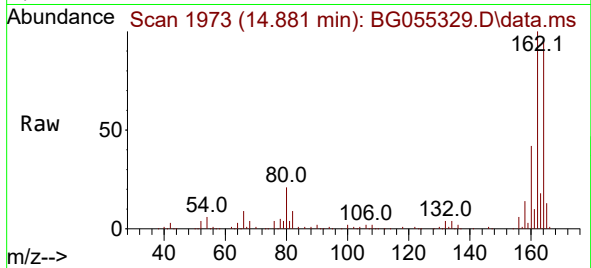




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.881 min Scan# 1974
Delta R.T. -0.005 min
Lab File: BG055329.D
Acq: 27 Oct 2022 18:41

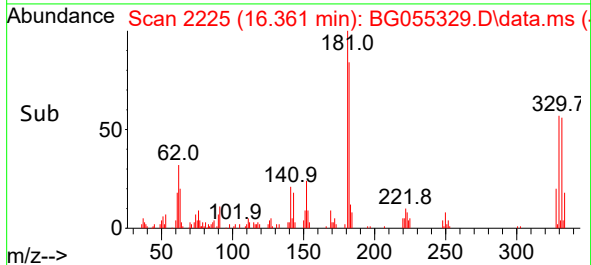
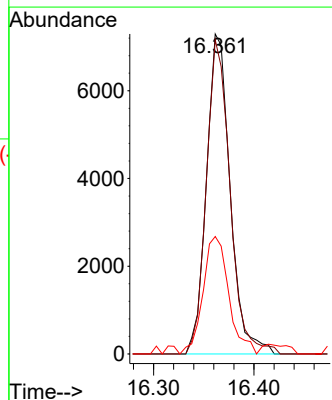
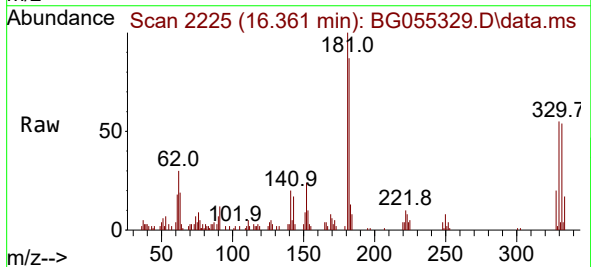
Instrument :
BNA_G
ClientSampleId :
SU-03-102422DL

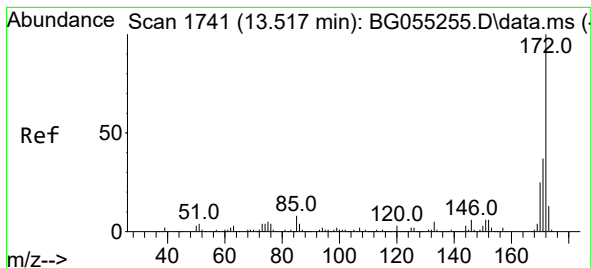
Tgt Ion:164 Resp: 138790
Ion Ratio Lower Upper
164 100
162 105.1 84.0 126.0
160 44.6 36.7 55.1



#42
2,4,6-Tribromophenol
Concen: 7.969 ng
RT: 16.361 min Scan# 2225
Delta R.T. -0.005 min
Lab File: BG055329.D
Acq: 27 Oct 2022 18:41

Tgt Ion:330 Resp: 12023
Ion Ratio Lower Upper
330 100
332 97.8 77.4 116.0
141 39.7 29.8 44.8





#45

2-Fluorobiphenyl

Concen: 5.685 ng

RT: 13.512 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG055329.D

Acq: 27 Oct 2022 18:41

Instrument :

BNA_G

ClientSampleId :

SU-03-102422DL

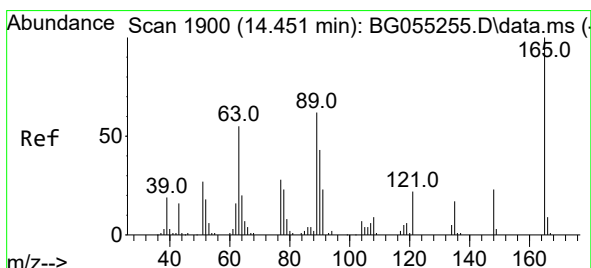
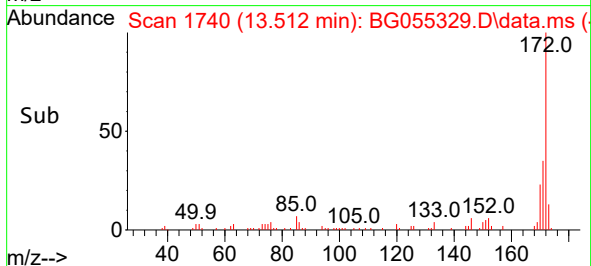
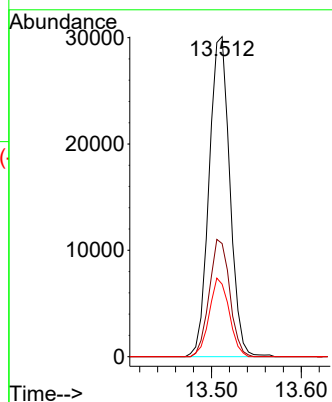
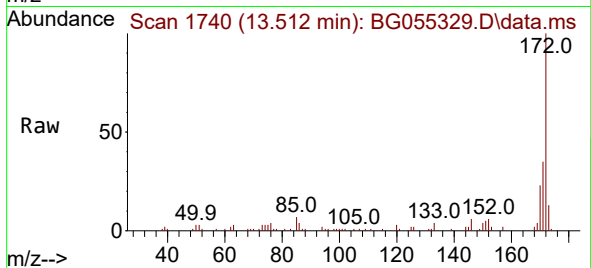
Tgt Ion:172 Resp: 48208

Ion Ratio Lower Upper

172 100

171 35.4 29.7 44.5

170 22.7 20.2 30.2



#51

2,6-Dinitrotoluene

Concen: 8.507 ng

RT: 14.881 min Scan# 1973

Delta R.T. 0.429 min

Lab File: BG055329.D

Acq: 27 Oct 2022 18:41

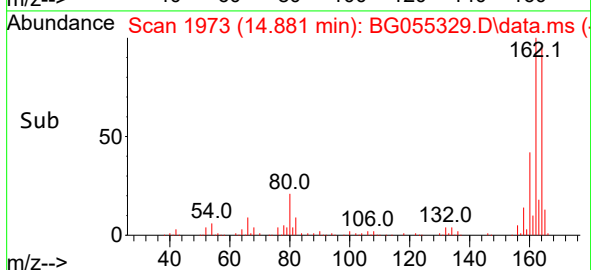
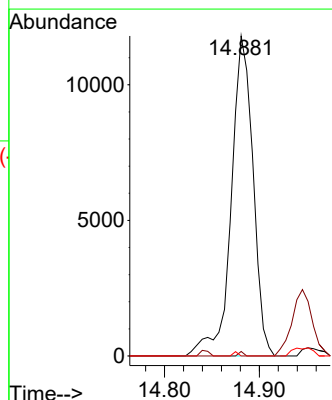
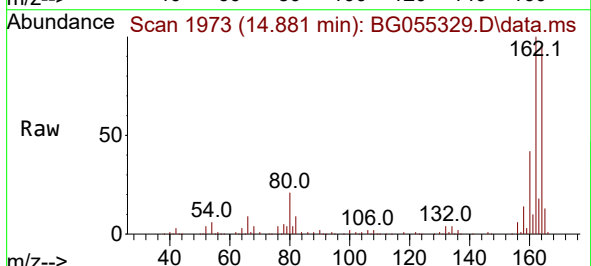
Tgt Ion:165 Resp: 18863

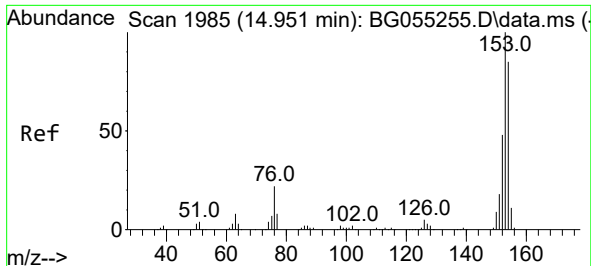
Ion Ratio Lower Upper

165 100

63 1.4 49.2 73.8#

89 0.0 49.9 74.9#

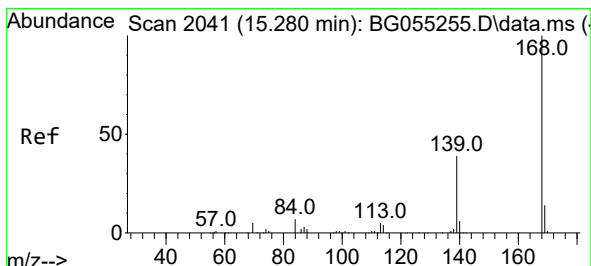
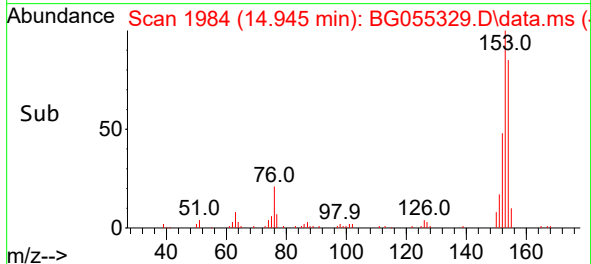
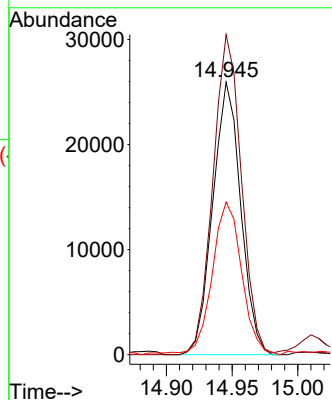
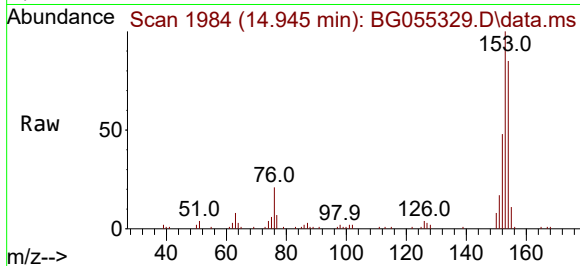




#52
Acenaphthene
Concen: 4.648 ng
RT: 14.945 min Scan# 1984
Delta R.T. -0.005 min
Lab File: BG055329.D
Acq: 27 Oct 2022 18:41

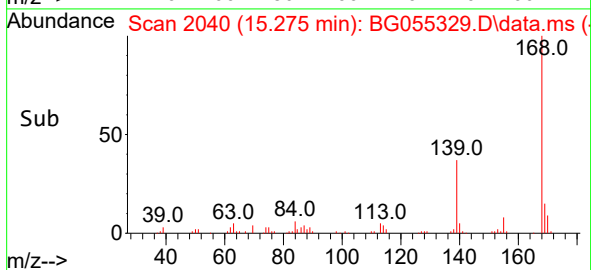
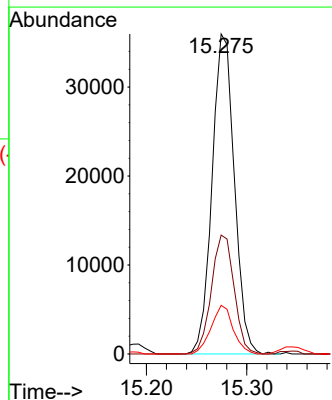
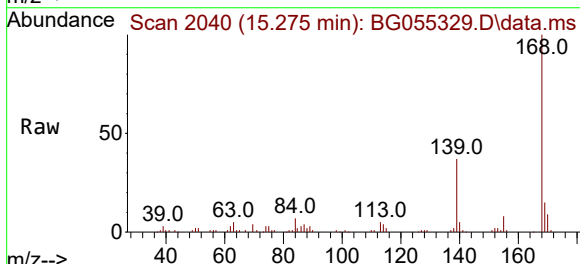
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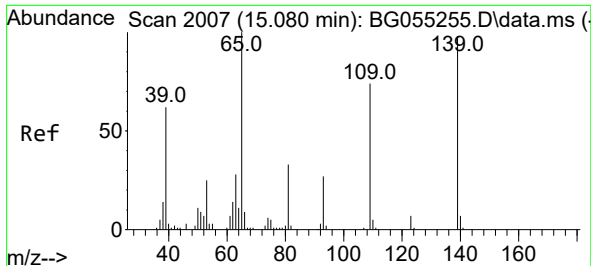
Tgt Ion:154 Resp: 38393
Ion Ratio Lower Upper
154 100
153 117.5 94.3 141.5
152 56.0 45.3 67.9



#55
Dibenzofuran
Concen: 4.469 ng
RT: 15.275 min Scan# 2040
Delta R.T. -0.005 min
Lab File: BG055329.D
Acq: 27 Oct 2022 18:41

Tgt Ion:168 Resp: 55375
Ion Ratio Lower Upper
168 100
139 37.2 31.6 47.4
169 15.2 11.0 16.4

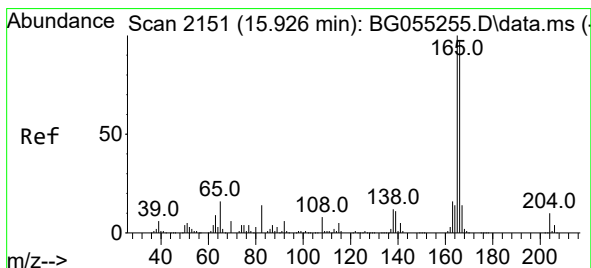
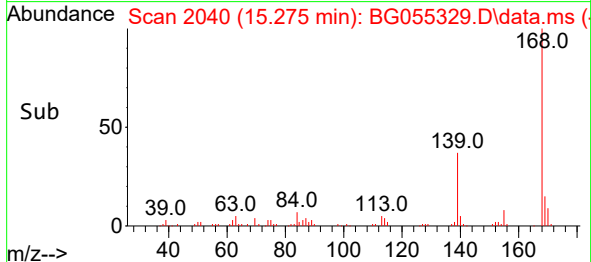
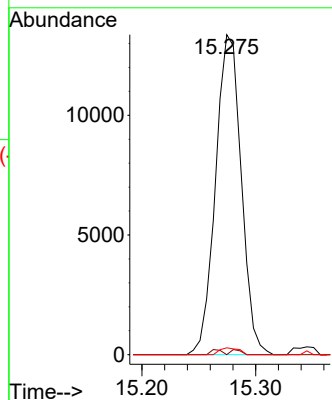
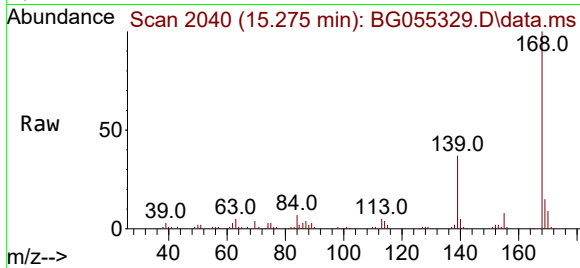




#56
4-Nitrophenol
Concen: 10.529 ng
RT: 15.275 min Scan# 20
Delta R.T. 0.194 min
Lab File: BG055329.D
Acq: 27 Oct 2022 18:41

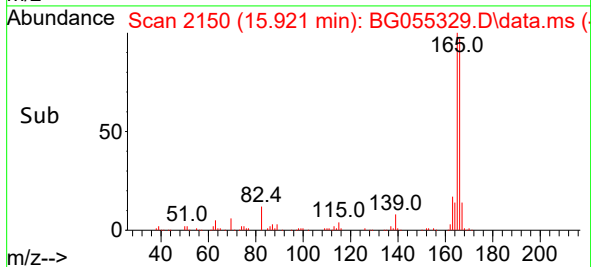
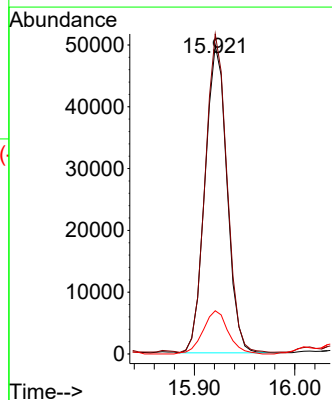
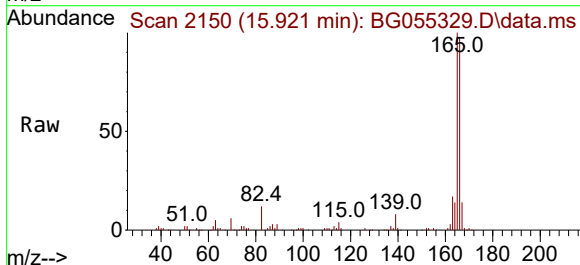
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BNA_G
ClientSampleId :
SU-03-102422DL

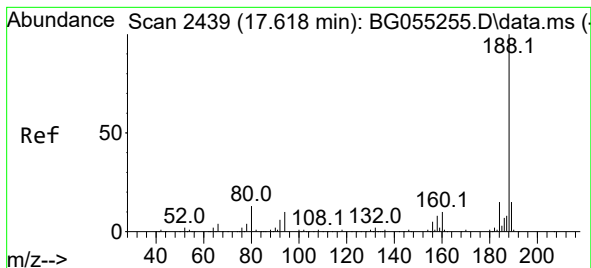
Tgt Ion:139 Resp: 20988
Ion Ratio Lower Upper
139 100
109 0.0 55.4 95.4#
65 2.2 81.6 121.6#



#58
Fluorene
Concen: 7.355 ng
RT: 15.921 min Scan# 2150
Delta R.T. -0.005 min
Lab File: BG055329.D
Acq: 27 Oct 2022 18:41

Tgt Ion:166 Resp: 75840
Ion Ratio Lower Upper
166 100
165 103.6 82.4 123.6
167 14.0 11.5 17.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.619 min Scan# 2439

Delta R.T. 0.001 min

Lab File: BG055329.D

Acq: 27 Oct 2022 18:41

Instrument :

BNA_G

ClientSampleId :

SU-03-102422DL

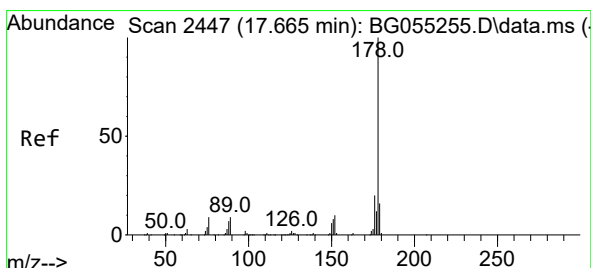
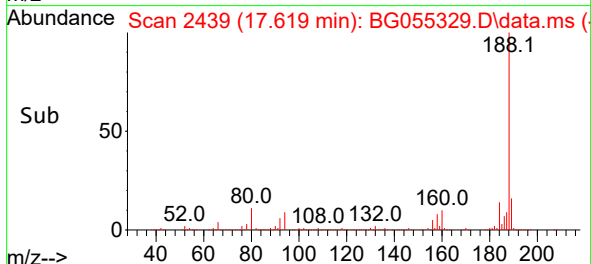
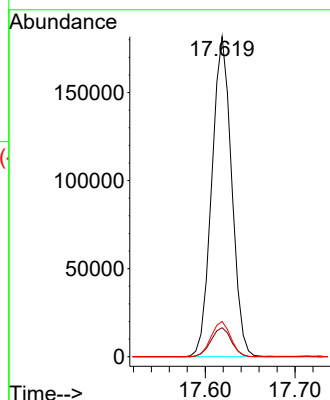
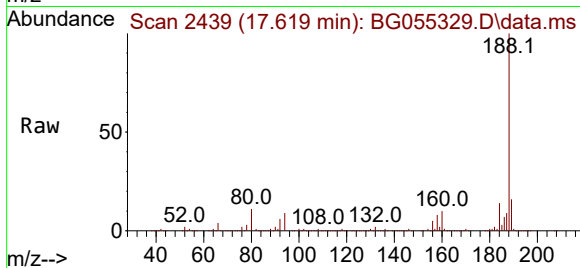
Tgt Ion:188 Resp: 278586

Ion Ratio Lower Upper

188 100

94 9.0 8.2 12.4

80 11.0 10.1 15.1



#71

Phenanthrene

Concen: 48.940 ng

RT: 17.660 min Scan# 2446

Delta R.T. -0.005 min

Lab File: BG055329.D

Acq: 27 Oct 2022 18:41

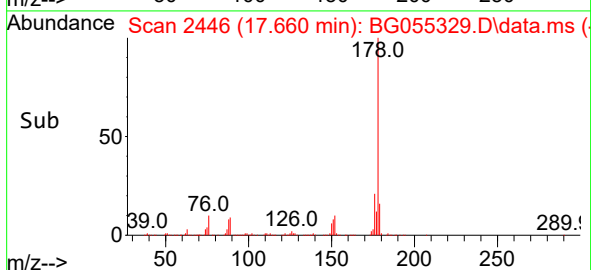
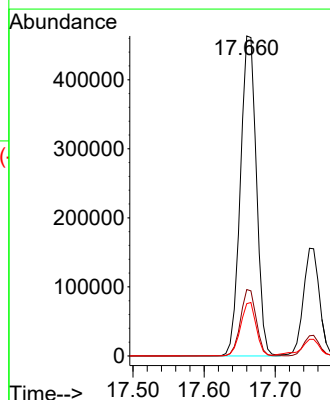
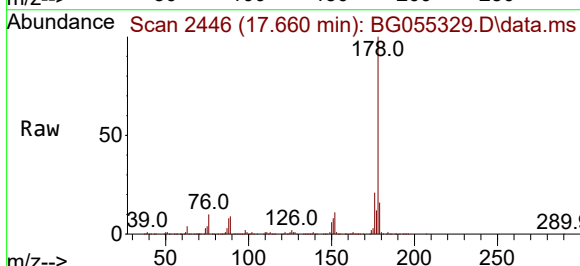
Tgt Ion:178 Resp: 727108

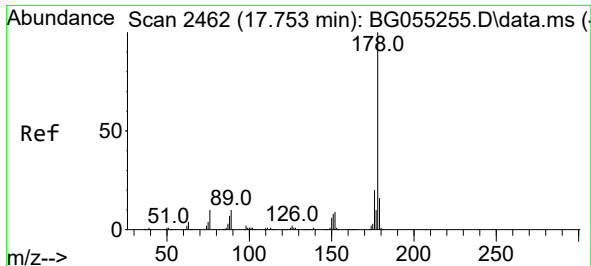
Ion Ratio Lower Upper

178 100

176 20.8 16.0 24.0

179 16.3 12.6 19.0

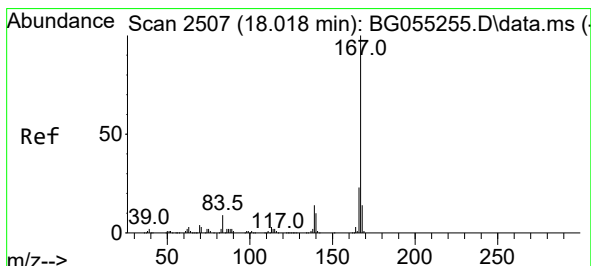
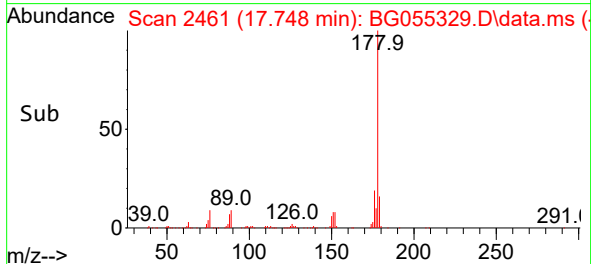
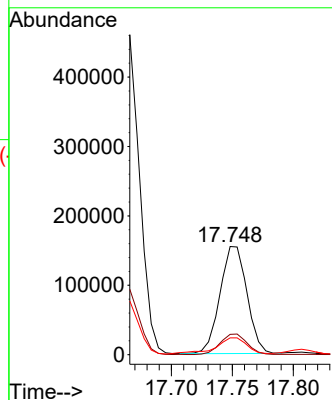
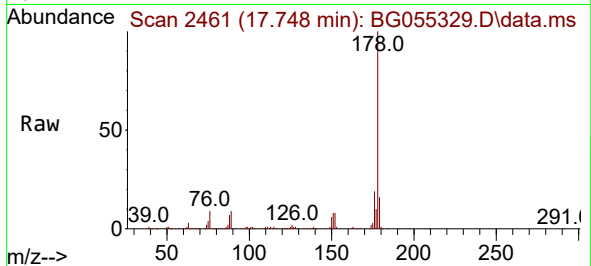




#72
 Anthracene
 Concen: 16.380 ng
 RT: 17.748 min Scan# 2461
 Delta R.T. -0.005 min
 Lab File: BG055329.D
 Acq: 27 Oct 2022 18:41

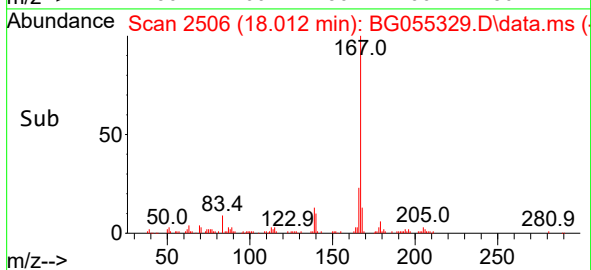
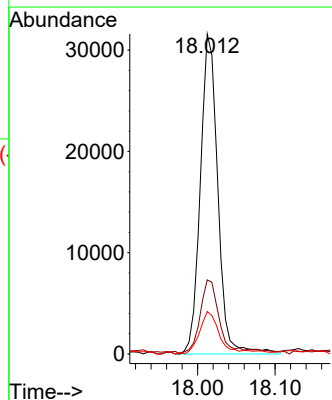
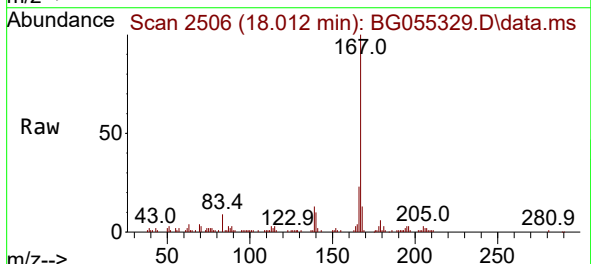
Instrument :
 BNA_G
 ClientSampleId :
 SU-03-102422DL

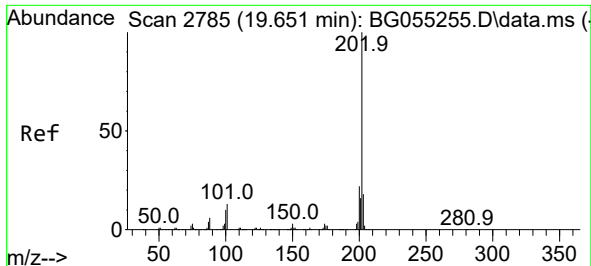
Tgt Ion:178 Resp: 237904
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.7 23.5
 179 15.5 12.9 19.3



#73
 Carbazole
 Concen: 3.547 ng
 RT: 18.012 min Scan# 2506
 Delta R.T. -0.005 min
 Lab File: BG055329.D
 Acq: 27 Oct 2022 18:41

Tgt Ion:167 Resp: 49551
 Ion Ratio Lower Upper
 167 100
 166 23.1 18.6 27.8
 139 13.3 10.9 16.3

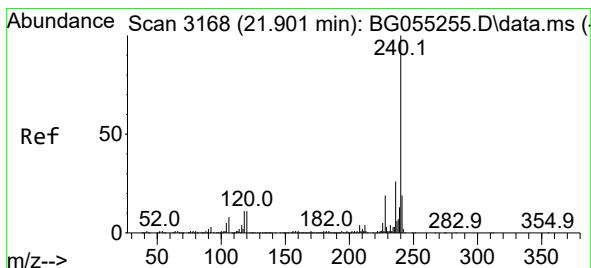
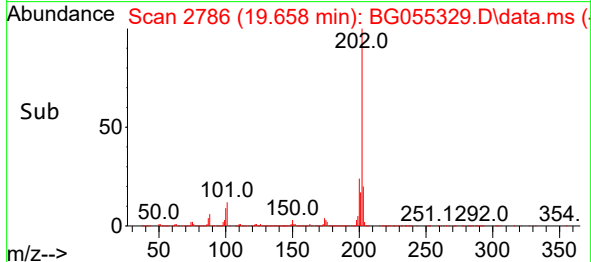
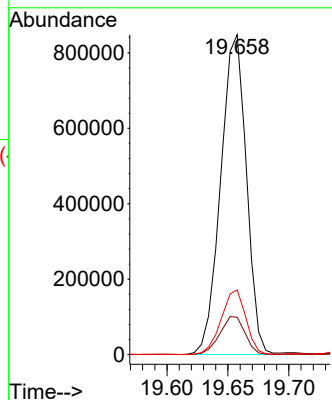
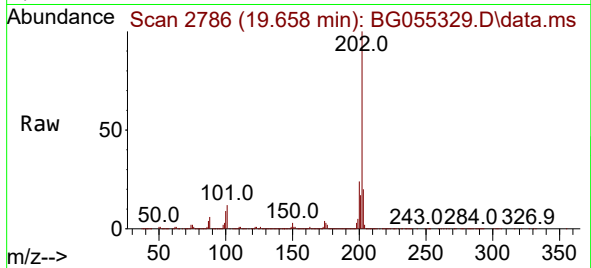




#75
Fluoranthene
Concen: 71.931 ng
RT: 19.658 min Scan# 21
Delta R.T. 0.007 min
Lab File: BG055329.D
Acq: 27 Oct 2022 18:41

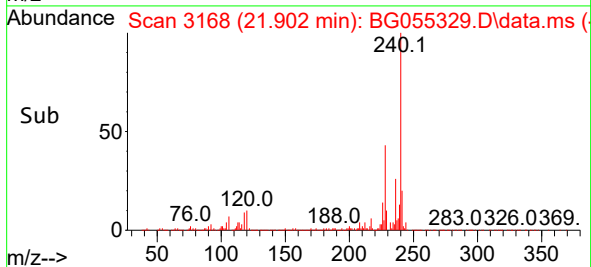
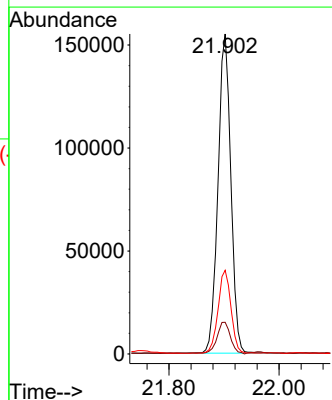
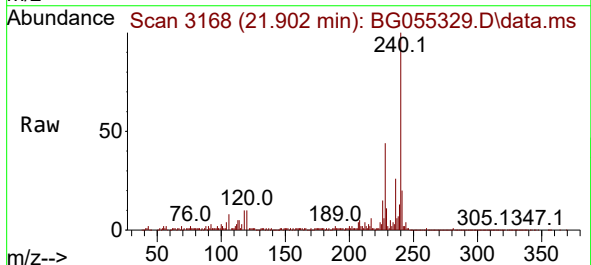
Instrument :
BNA_G
ClientSampleId :
SU-03-102422DL

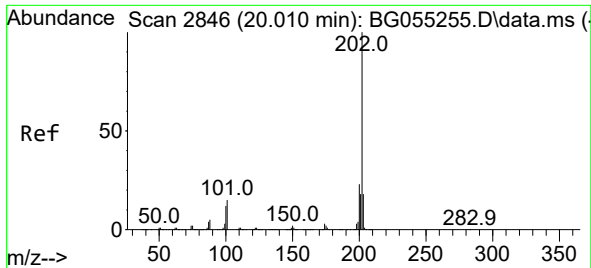
Tgt Ion:202 Resp: 1245274
Ion Ratio Lower Upper
202 100
101 11.7 0.0 32.6
203 20.3 0.0 38.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.902 min Scan# 3168
Delta R.T. 0.001 min
Lab File: BG055329.D
Acq: 27 Oct 2022 18:41

Tgt Ion:240 Resp: 251343
Ion Ratio Lower Upper
240 100
120 9.9 8.9 13.3
236 26.1 21.0 31.4

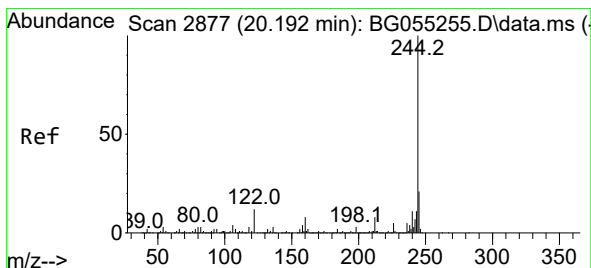
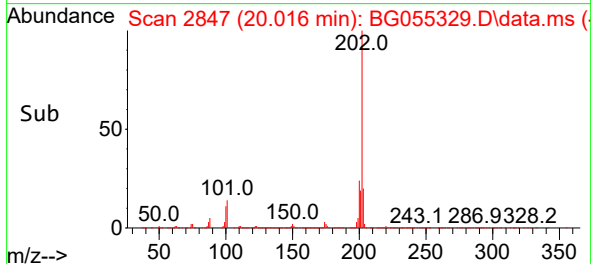
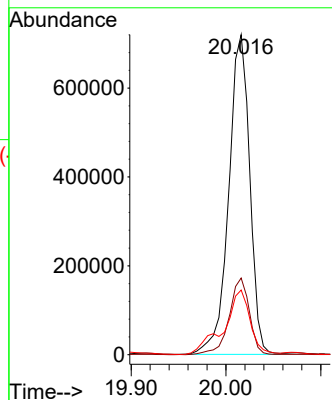
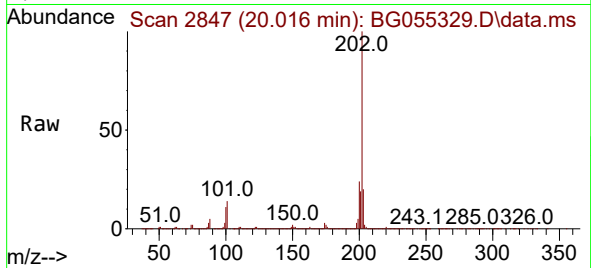




#78
 Pyrene
 Concen: 64.286 ng
 RT: 20.016 min Scan# 2846
 Delta R.T. 0.006 min
 Lab File: BG055329.D
 Acq: 27 Oct 2022 18:41

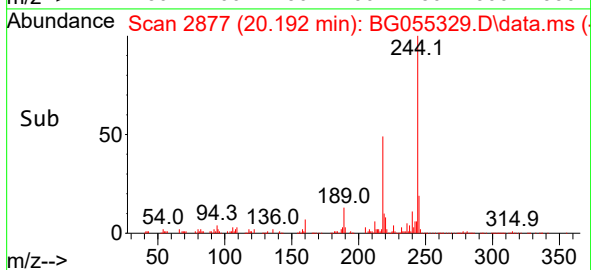
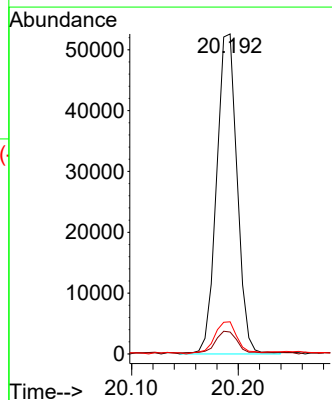
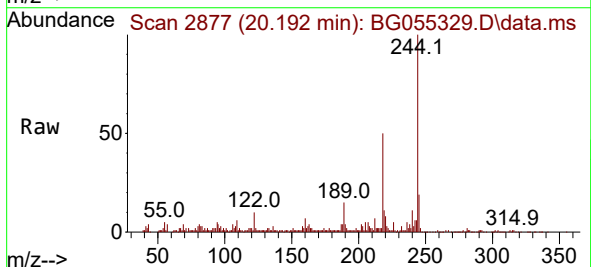
Instrument :
 BNA_G
 ClientSampleId :
 SU-03-102422DL

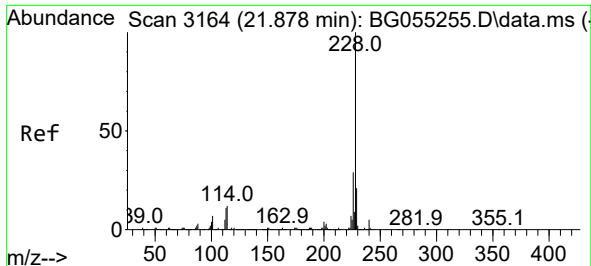
Tgt Ion:202 Resp: 1107517
 Ion Ratio Lower Upper
 202 100
 200 24.0 18.0 27.0
 203 20.2 14.3 21.5



#79
 Terphenyl-d14
 Concen: 5.802 ng
 RT: 20.192 min Scan# 2877
 Delta R.T. 0.001 min
 Lab File: BG055329.D
 Acq: 27 Oct 2022 18:41

Tgt Ion:244 Resp: 70184
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 10.1 9.6 14.4

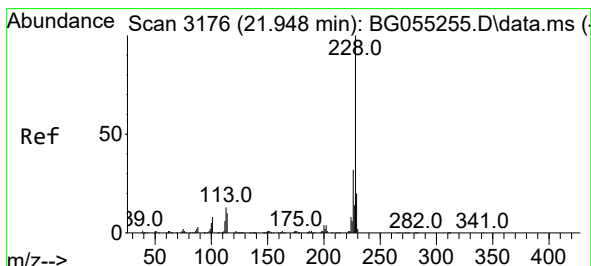
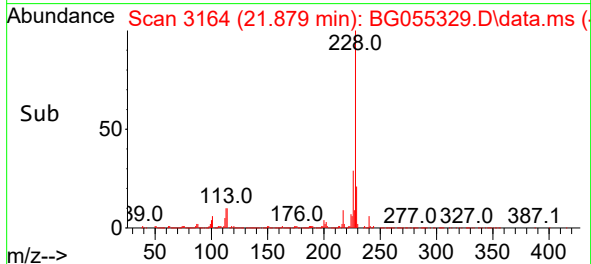
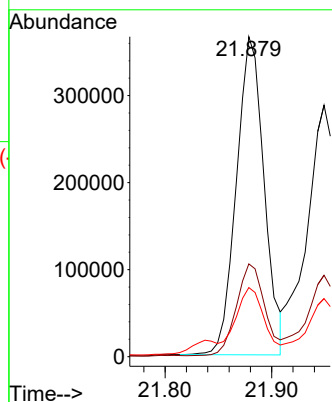
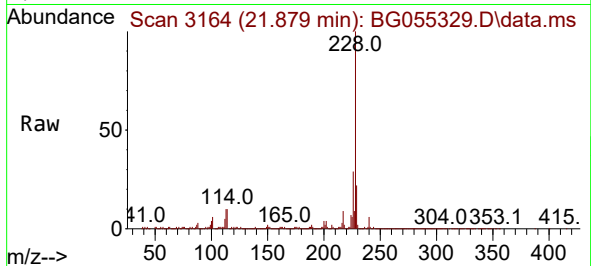




#81
Benzo(a)anthracene
Concen: 39.158 ng
RT: 21.879 min Scan# 3164
Delta R.T. 0.001 min
Lab File: BG055329.D
Acq: 27 Oct 2022 18:41

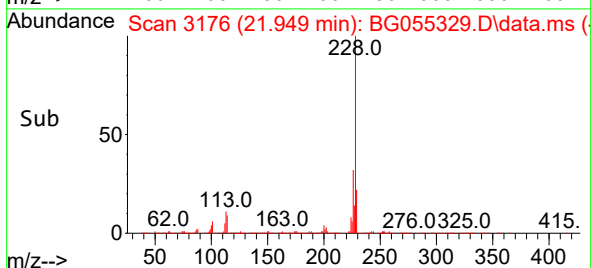
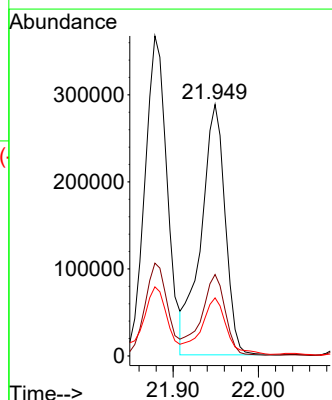
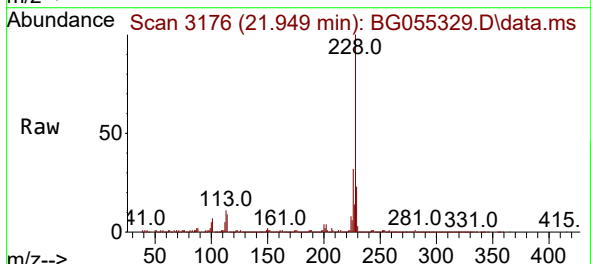
Instrument :
BNA_G
ClientSampleId :
SU-03-102422DL

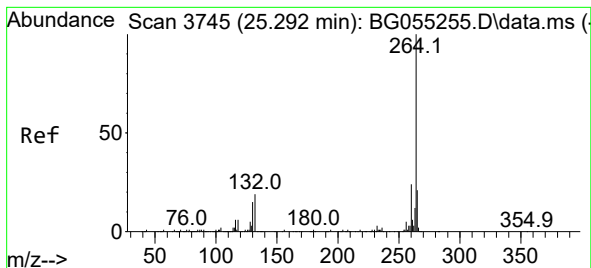
Tgt Ion:228 Resp: 660920
Ion Ratio Lower Upper
228 100
226 29.0 22.9 34.3
229 21.6 16.7 25.1



#83
Chrysene
Concen: 35.337 ng
RT: 21.949 min Scan# 3176
Delta R.T. 0.001 min
Lab File: BG055329.D
Acq: 27 Oct 2022 18:41

Tgt Ion:228 Resp: 566539
Ion Ratio Lower Upper
228 100
226 32.4 25.8 38.8
229 23.1 16.3 24.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.304 min Scan# 31

Delta R.T. 0.012 min

Lab File: BG055329.D

Acq: 27 Oct 2022 18:41

Instrument :

BNA_G

ClientSampleId :

SU-03-102422DL

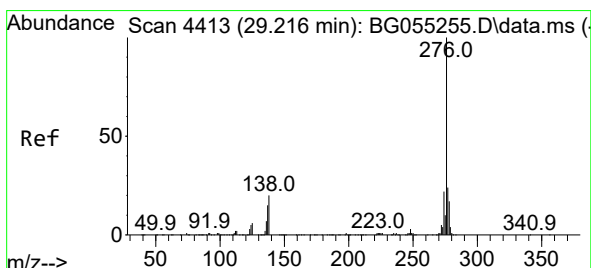
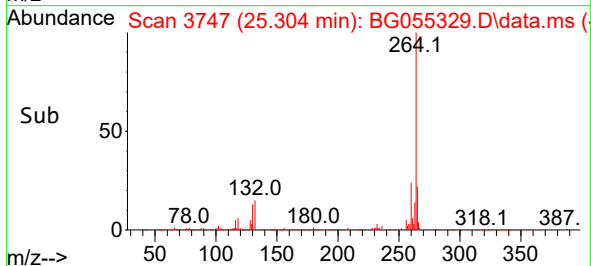
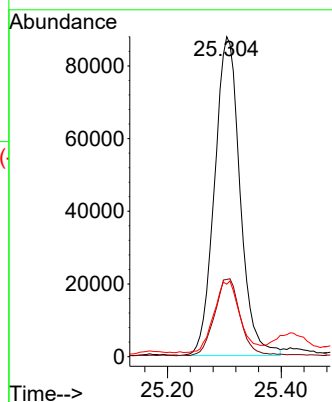
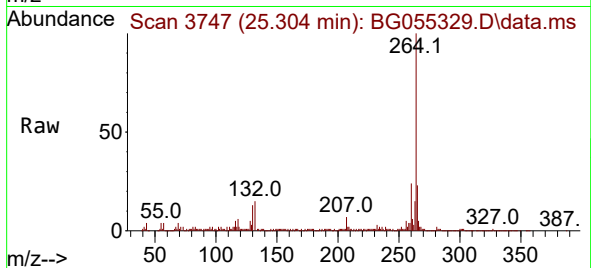
Tgt Ion:264 Resp: 273351

Ion Ratio Lower Upper

264 100

260 24.2 19.5 29.3

265 22.7 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 16.272 ng

RT: 29.223 min Scan# 4414

Delta R.T. 0.006 min

Lab File: BG055329.D

Acq: 27 Oct 2022 18:41

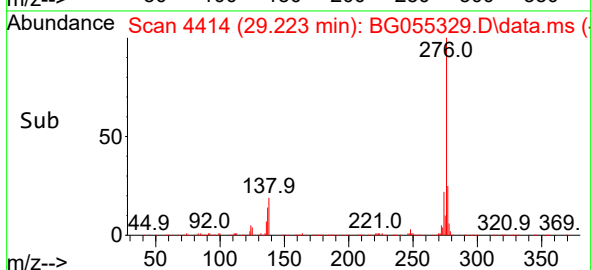
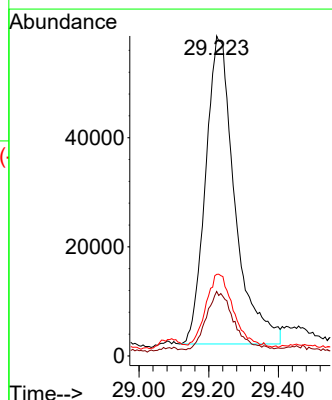
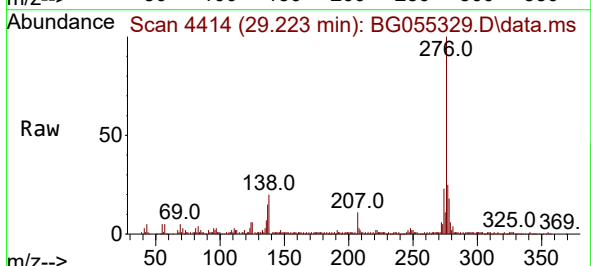
Tgt Ion:276 Resp: 328524

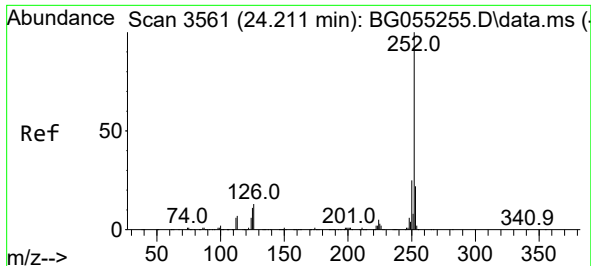
Ion Ratio Lower Upper

276 100

138 17.5 13.9 20.9

277 21.3 20.3 30.5

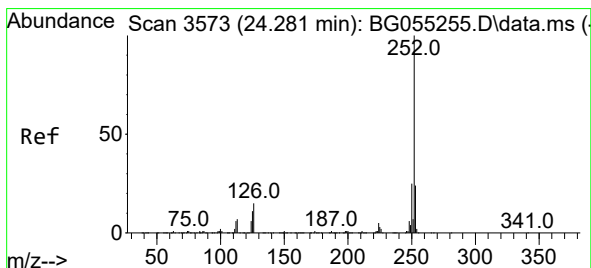
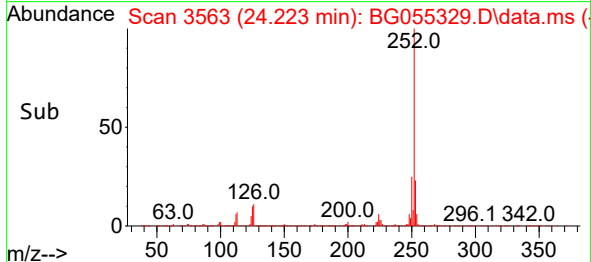
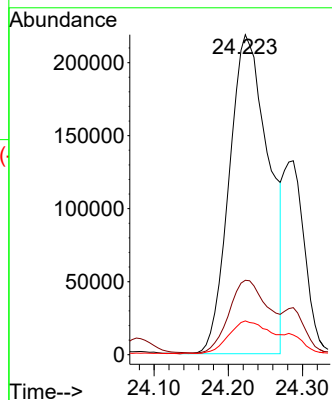
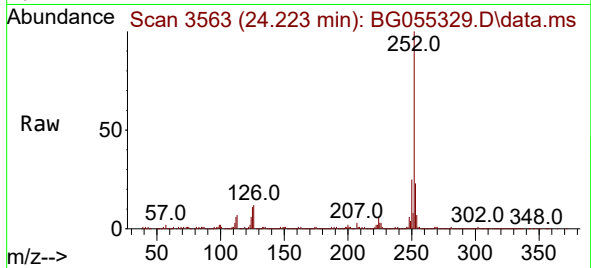




#88
Benzo(b)fluoranthene
Concen: 49.030 ng
RT: 24.223 min Scan# 3563
Delta R.T. 0.012 min
Lab File: BG055329.D
Acq: 27 Oct 2022 18:41

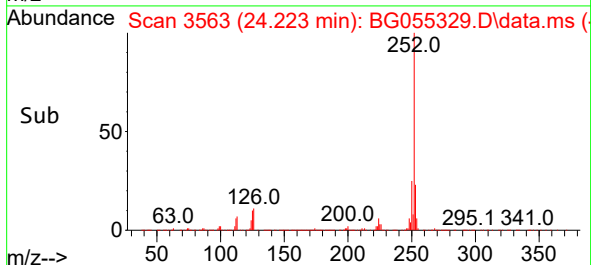
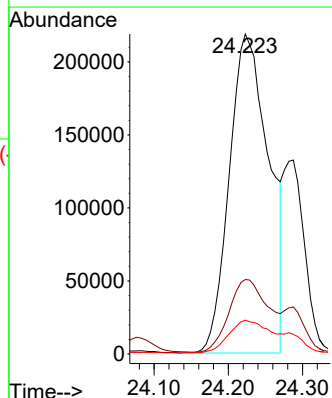
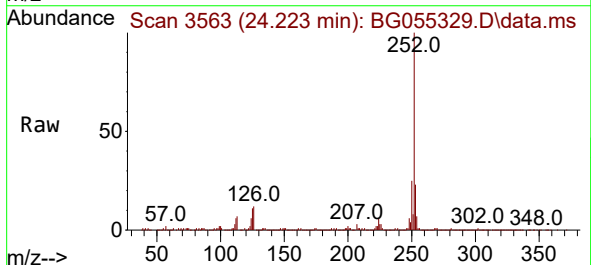
Instrument :
BNA_G
ClientSampleId :
SU-03-102422DL

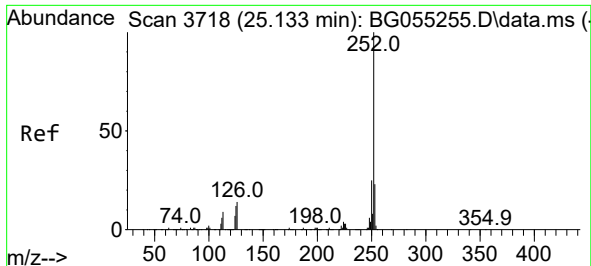
Tgt Ion:252 Resp: 806187
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 10.6 9.0 13.4



#89
Benzo(k)fluoranthene
Concen: 48.557 ng
RT: 24.223 min Scan# 3563
Delta R.T. -0.058 min
Lab File: BG055329.D
Acq: 27 Oct 2022 18:41

Tgt Ion:252 Resp: 806187
Ion Ratio Lower Upper
252 100
253 23.3 18.6 27.8
125 10.6 9.1 13.7

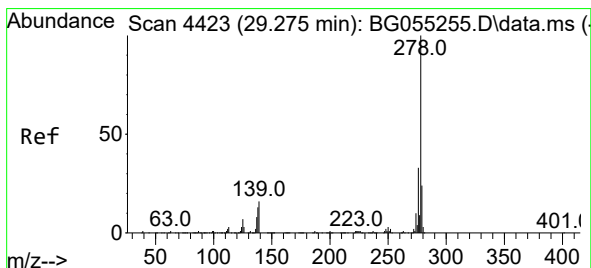
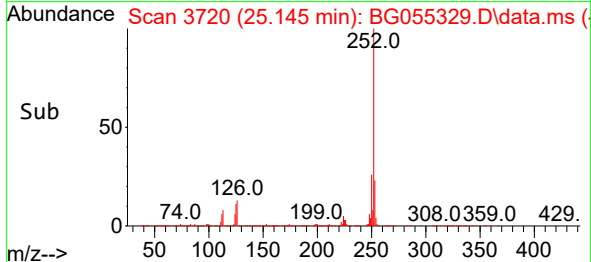
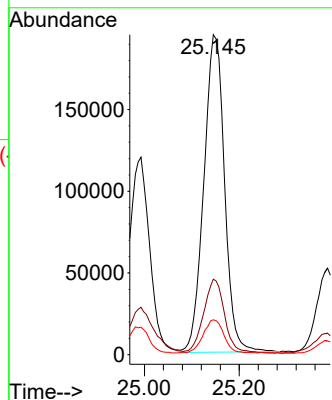
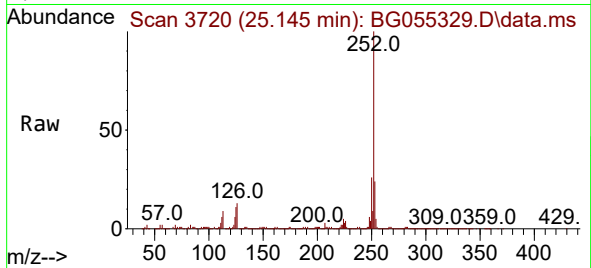




#90
Benzo(a)pyrene
Concen: 41.828 ng
RT: 25.145 min Scan# 31
Delta R.T. 0.012 min
Lab File: BG055329.D
Acq: 27 Oct 2022 18:41

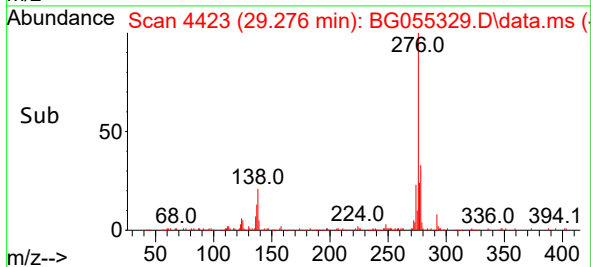
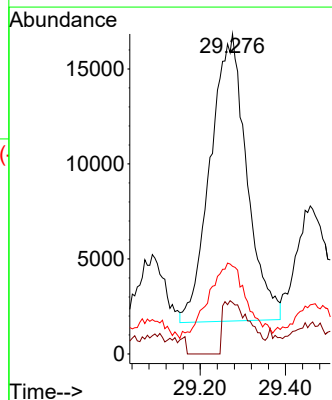
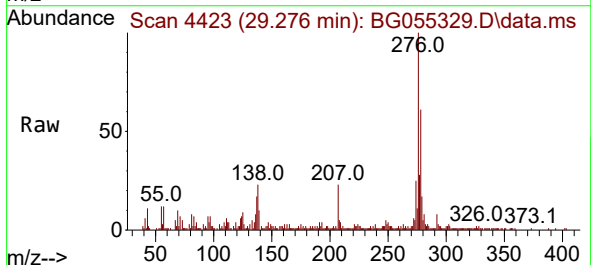
Instrument :
BNA_G
ClientSampleId :
SU-03-102422DL

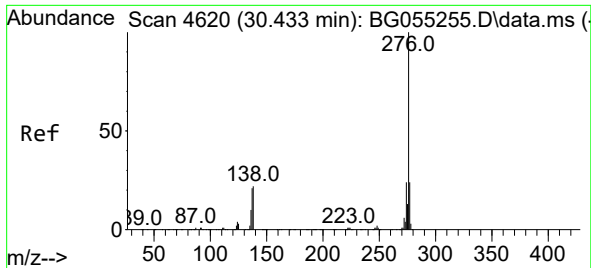
Tgt Ion:252 Resp: 589787
Ion Ratio Lower Upper
252 100
253 23.6 18.2 27.2
125 10.9 9.8 14.8



#91
Dibenzo(a,h)anthracene
Concen: 5.387 ng
RT: 29.276 min Scan# 4423
Delta R.T. 0.001 min
Lab File: BG055329.D
Acq: 27 Oct 2022 18:41

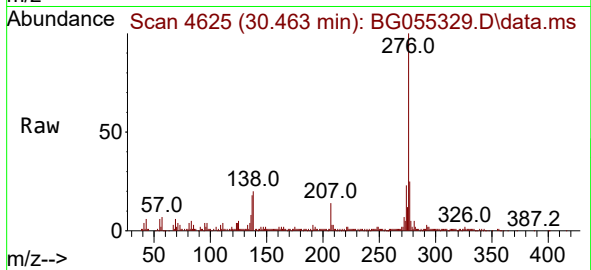
Tgt Ion:278 Resp: 89247
Ion Ratio Lower Upper
278 100
139 16.1 12.9 19.3
279 27.4 19.0 28.6





#92
 Benzo(g,h,i)perylene
 Concen: 17.708 ng
 RT: 30.463 min Scan# 4625
 Delta R.T. 0.030 min
 Lab File: BG055329.D
 Acq: 27 Oct 2022 18:41

Instrument :
 BNA_G
 ClientSampleId :
 SU-03-102422DL



Tgt Ion:276 Resp: 290996
 Ion Ratio Lower Upper
 276 100
 277 24.8 19.1 28.7
 138 19.8 17.2 25.8

