

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112322\
 Data File : BG055773.D
 Acq On : 24 Nov 2022 3:09
 Operator : CG/JU
 Sample : N5745-03 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PAT-04-112122

Quant Time: Nov 24 06:11:43 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 24 06:05:02 2022
 Response via : Initial Calibration

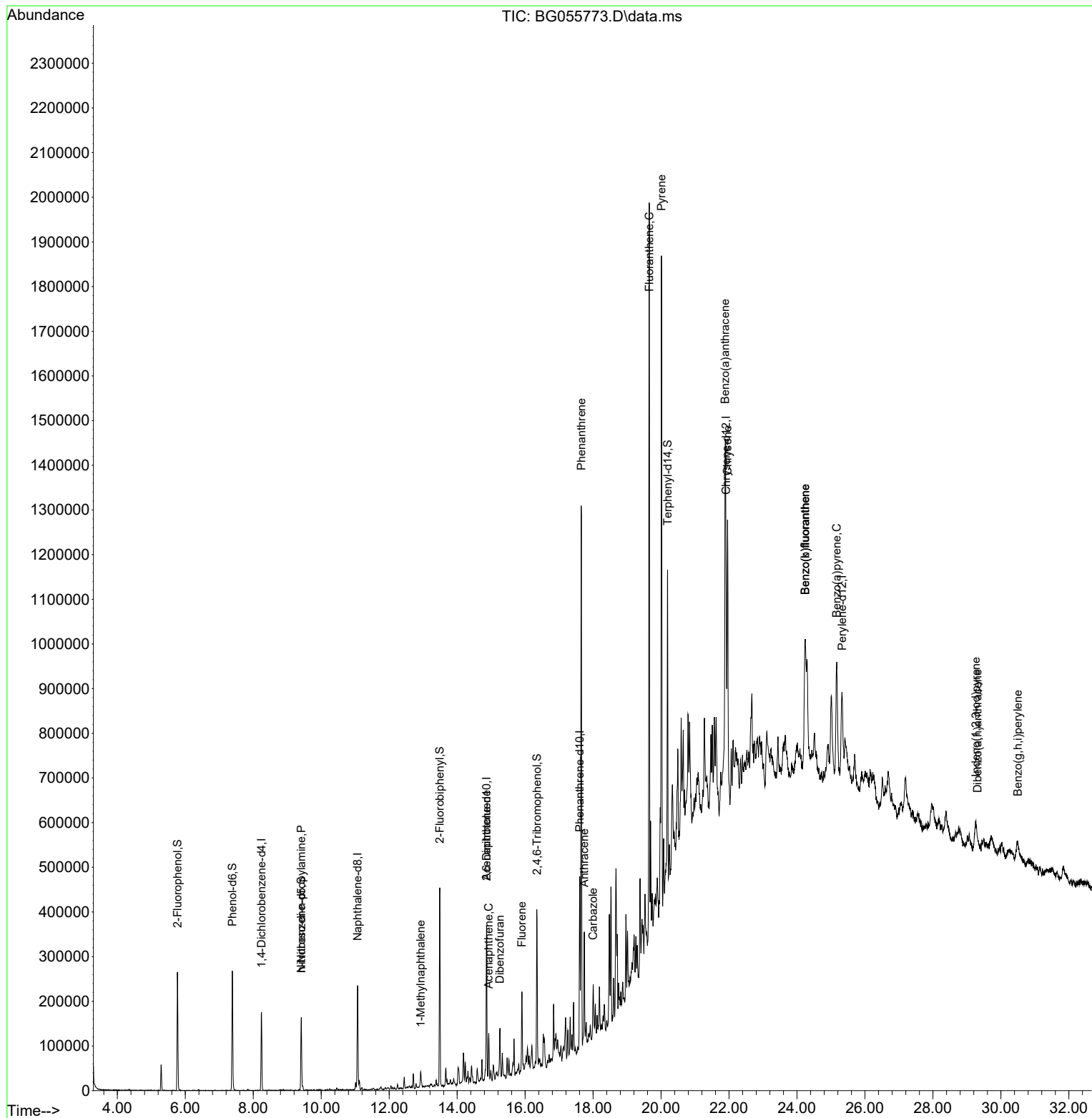
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.242	152	50668	20.000	ng	0.00
21) Naphthalene-d8	11.068	136	200024	20.000	ng	0.00
39) Acenaphthene-d10	14.863	164	126204	20.000	ng	0.00
64) Phenanthrene-d10	17.607	188	258382	20.000	ng	0.00
76) Chrysene-d12	21.908	240	241851	20.000	ng	0.00
86) Perylene-d12	25.327	264	234379	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.768	112	115292	41.129	ng	0.00
7) Phenol-d6	7.384	99	151090	40.491	ng	0.00
23) Nitrobenzene-d5	9.411	82	96396	25.472	ng	0.00
42) 2,4,6-Tribromophenol	16.350	330	70003	39.391	ng	0.00
45) 2-Fluorobiphenyl	13.488	172	235388	27.942	ng	0.00
79) Terphenyl-d14	20.192	244	344589	28.498	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.411	70	13623	4.752	ng	# 77
38) 1-Methylnaphthalene	12.924	142	16826	2.141	ng	94
51) 2,6-Dinitrotoluene	14.863	165	18909	9.192	ng	# 28
52) Acenaphthene	14.928	154	34878	4.534	ng	97
55) Dibenzofuran	15.257	168	45669	3.848	ng	# 93
58) Fluorene	15.903	166	85997	9.072	ng	98
71) Phenanthrene	17.654	178	804254	57.680	ng	100
72) Anthracene	17.742	178	178642	13.186	ng	98
73) Carbazole	18.001	167	77323	6.349	ng	99
75) Fluoranthene	19.652	202	1059051	62.432	ng	99
78) Pyrene	20.010	202	977504	59.712	ng	97
81) Benzo(a)anthracene	21.884	228	497471	29.864	ng	99
83) Chrysene	21.955	228	462754	29.181	ng	98
87) Indeno(1,2,3-cd)pyrene	29.264	276	133500	6.953	ng	# 92
88) Benzo(b)fluoranthene	24.240	252	458302	30.025	ng	# 90
89) Benzo(k)fluoranthene	24.240	252	457590	30.074	ng	# 89
90) Benzo(a)pyrene	25.169	252	390309	29.798	ng	# 93
91) Dibenzo(a,h)anthracene	29.311	278	33976	2.165	ng	# 55
92) Benzo(g,h,i)perylene	30.498	276	108929	6.888	ng	93

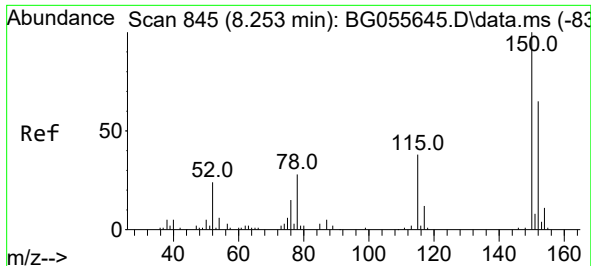
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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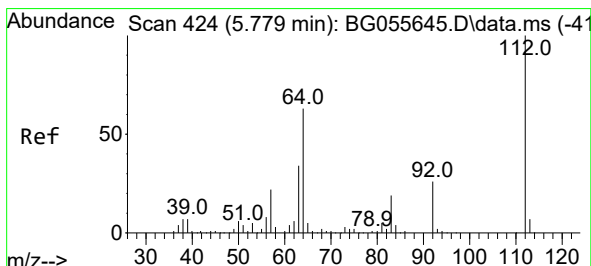
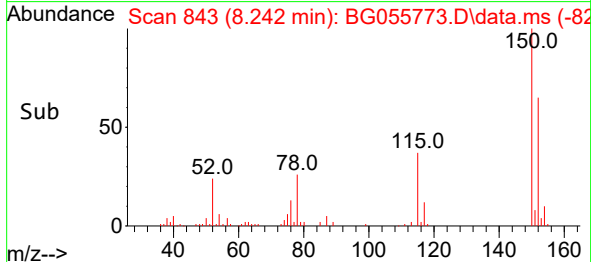
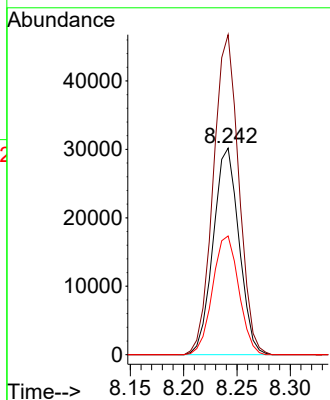
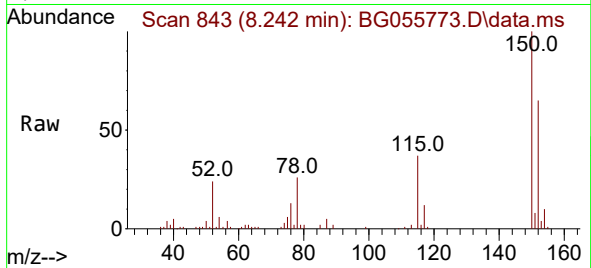




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.242 min Scan# 845
Delta R.T. 0.006 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

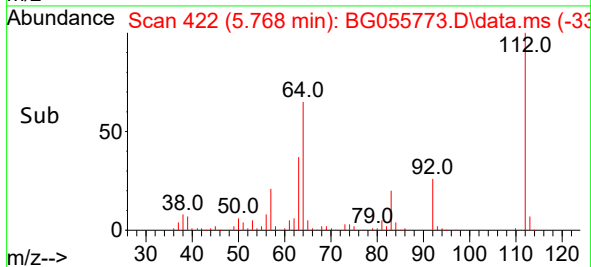
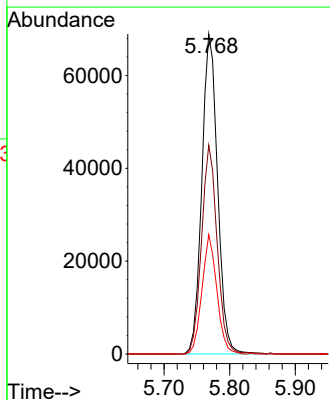
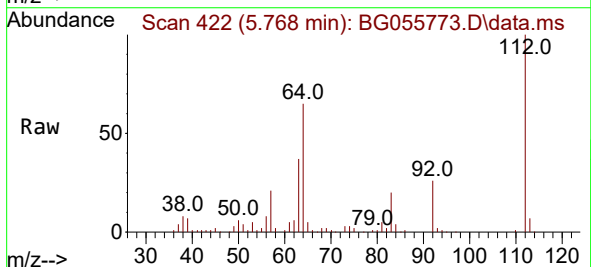
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BNA_G
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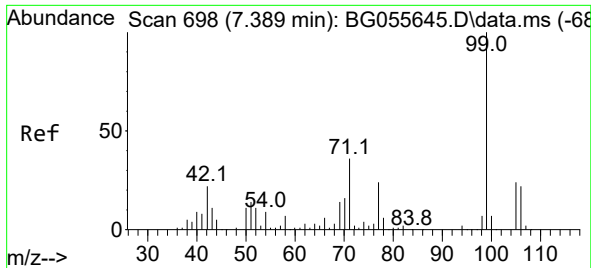
Tgt Ion:152 Resp: 50668
Ion Ratio Lower Upper
152 100
150 155.0 123.0 184.6
115 57.5 47.0 70.4



#5
2-Fluorophenol
Concen: 41.129 ng
RT: 5.768 min Scan# 422
Delta R.T. 0.000 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

Tgt Ion:112 Resp: 115292
Ion Ratio Lower Upper
112 100
64 65.2 50.6 76.0
63 37.3 27.5 41.3

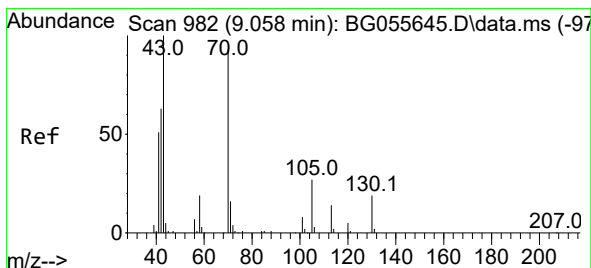
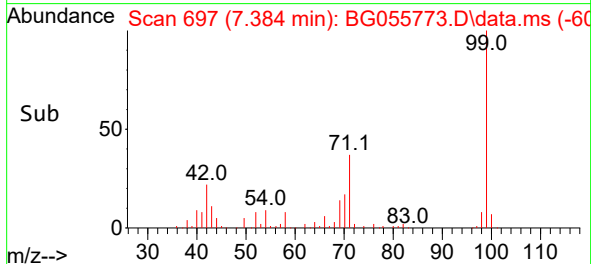
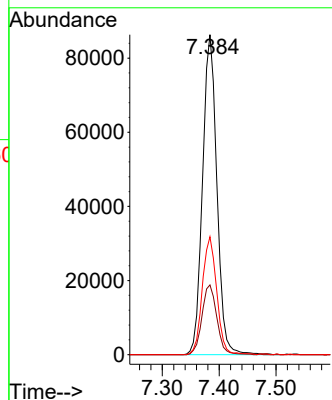
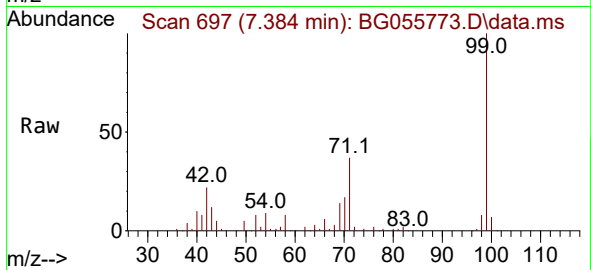




#7
Phenol-d6
Concen: 40.491 ng
RT: 7.384 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

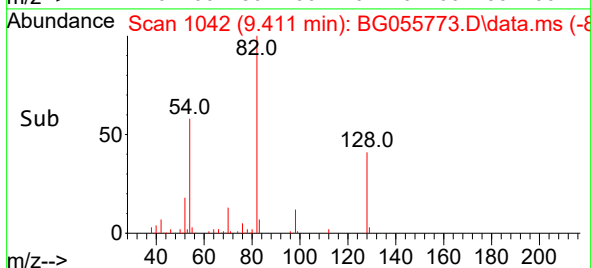
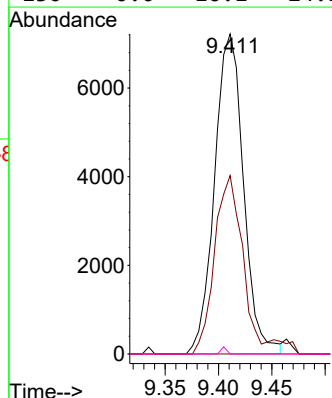
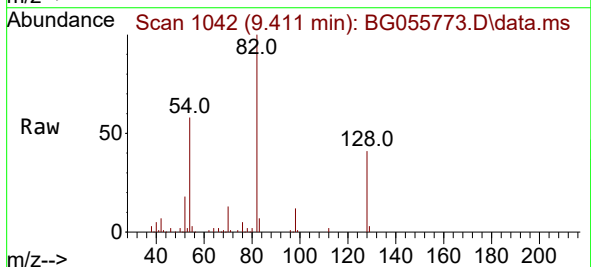
Instrument :
BNA_G
ClientSampleId :
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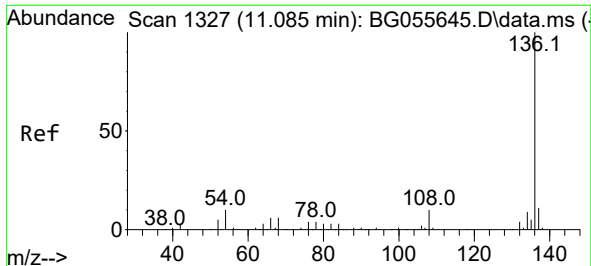
Tgt Ion: 99 Resp: 151090
Ion Ratio Lower Upper
99 100
42 21.8 18.0 27.0
71 36.8 29.0 43.6



#19
n-Nitroso-di-n-propylamine
Concen: 4.752 ng
RT: 9.411 min Scan# 1042
Delta R.T. 0.364 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

Tgt Ion: 70 Resp: 13623
Ion Ratio Lower Upper
70 100
42 55.7 55.2 82.8
101 0.0 7.1 10.7#
130 0.0 16.1 24.1#

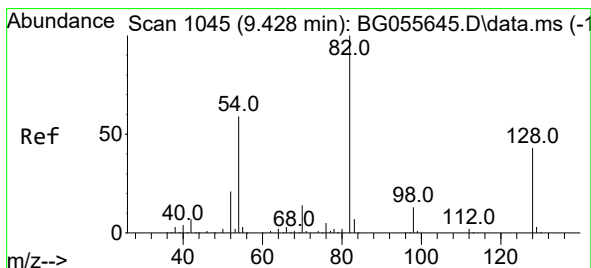
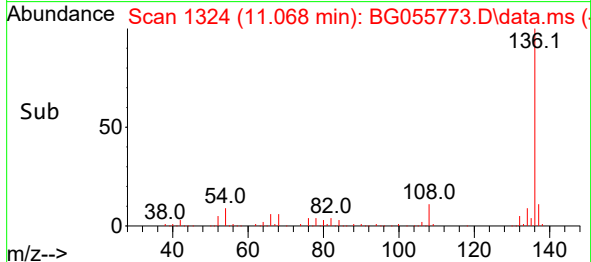
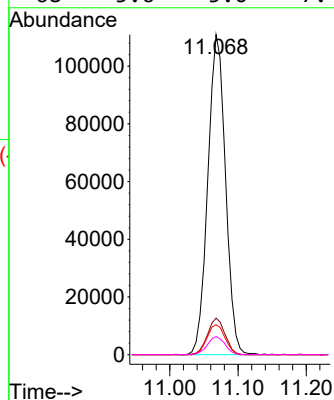
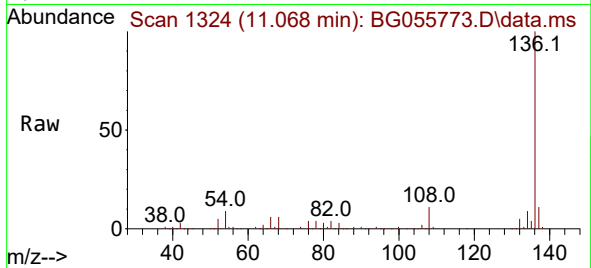




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.068 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

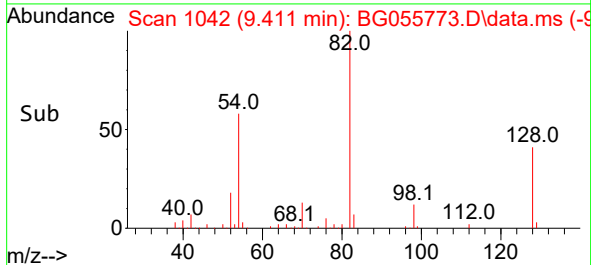
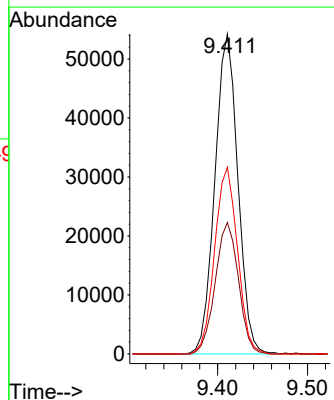
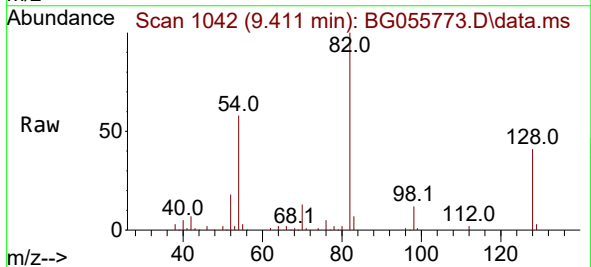
Instrument :
BNA_G
ClientSampleId :
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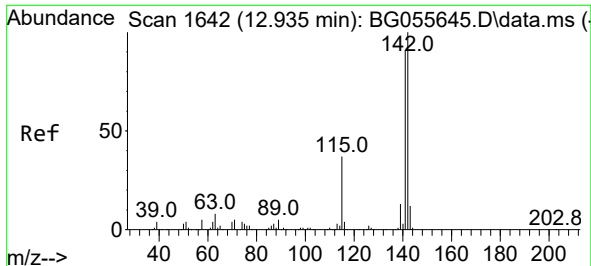
Tgt Ion:	136	Resp:	200024
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.6
54	9.3	7.8	11.6
68	5.6	5.0	7.4



#23
Nitrobenzene-d5
Concen: 25.472 ng
RT: 9.411 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

Tgt Ion:	82	Resp:	96396
Ion	Ratio	Lower	Upper
82	100		
128	41.1	34.1	51.1
54	58.4	47.3	70.9





#38

1-Methylnaphthalene

Concen: 2.141 ng

RT: 12.924 min Scan# 1

Delta R.T. 0.000 min

Lab File: BG055773.D

Acq: 24 Nov 2022 3:09

Instrument :

BNA_G

ClientSampleId :

PAT-04-112122

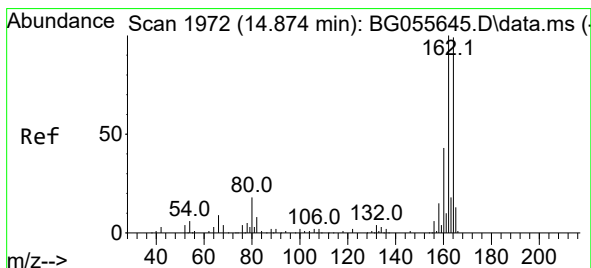
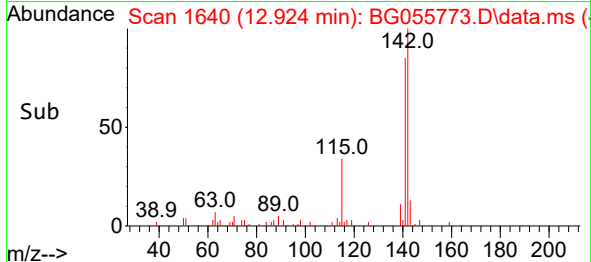
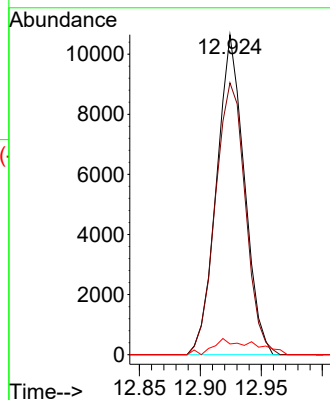
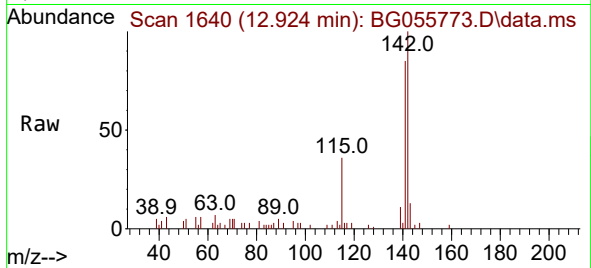
Tgt Ion:142 Resp: 16826

Ion Ratio Lower Upper

142 100

141 84.9 73.0 109.4

116 3.3 3.1 4.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.863 min Scan# 1970

Delta R.T. 0.000 min

Lab File: BG055773.D

Acq: 24 Nov 2022 3:09

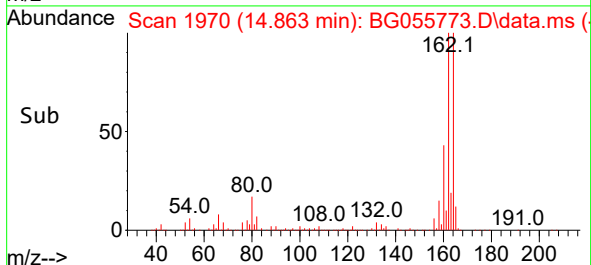
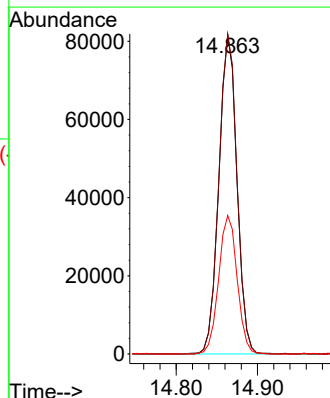
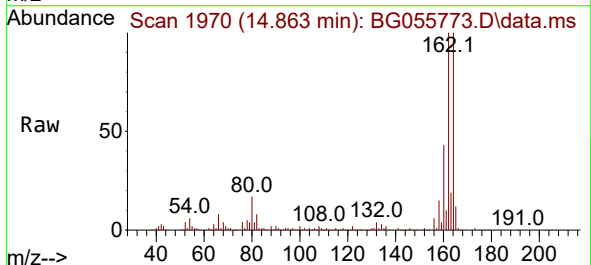
Tgt Ion:164 Resp: 126204

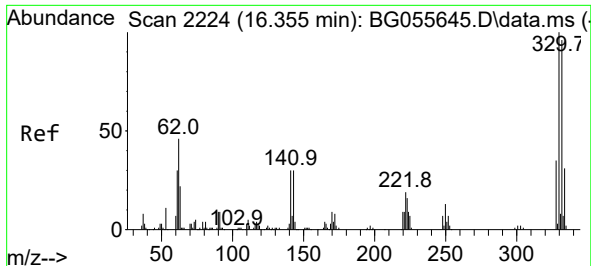
Ion Ratio Lower Upper

164 100

162 100.4 81.1 121.7

160 43.4 34.8 52.2

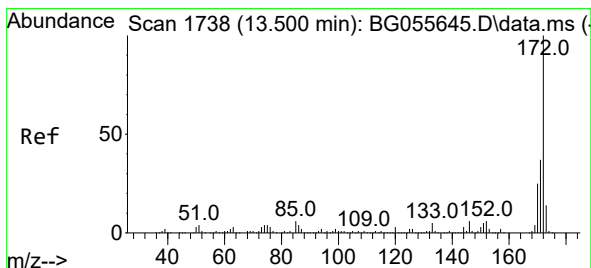
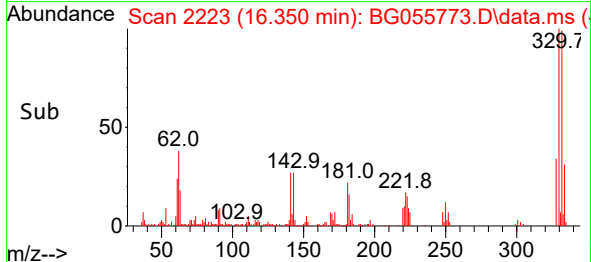
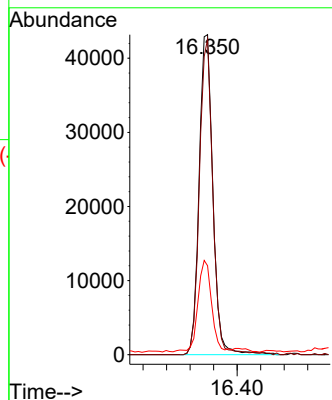
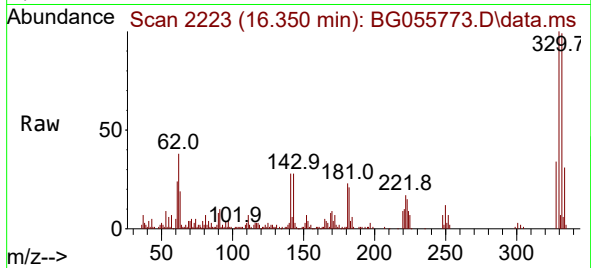




#42
2,4,6-Tribromophenol
Concen: 39.391 ng
RT: 16.350 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

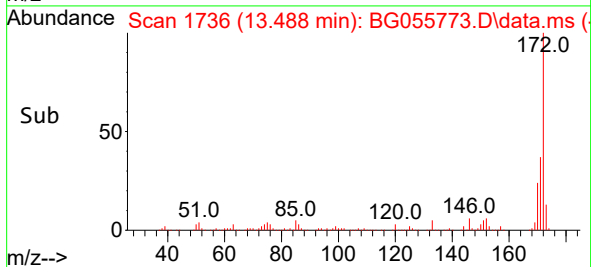
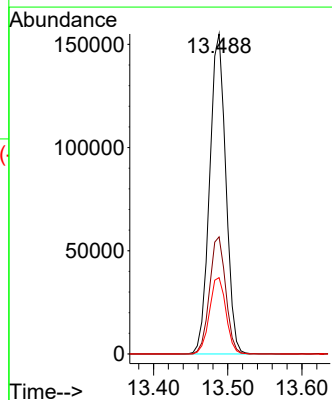
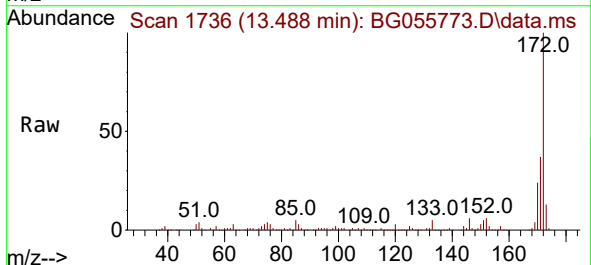
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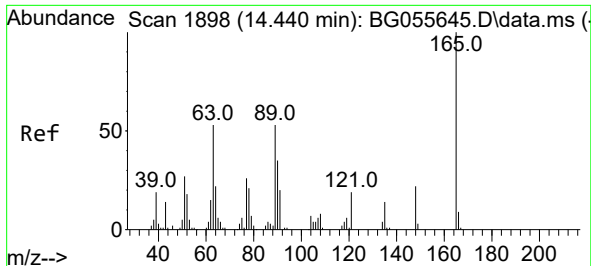
Tgt Ion:330 Resp: 70003
Ion Ratio Lower Upper
330 100
332 95.7 77.8 116.8
141 28.1 23.9 35.9



#45
2-Fluorobiphenyl
Concen: 27.942 ng
RT: 13.488 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

Tgt Ion:172 Resp: 235388
Ion Ratio Lower Upper
172 100
171 36.6 29.8 44.6
170 23.8 20.2 30.4

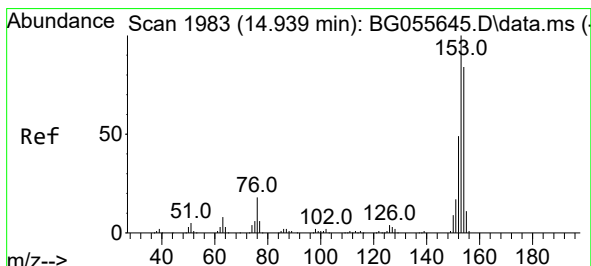
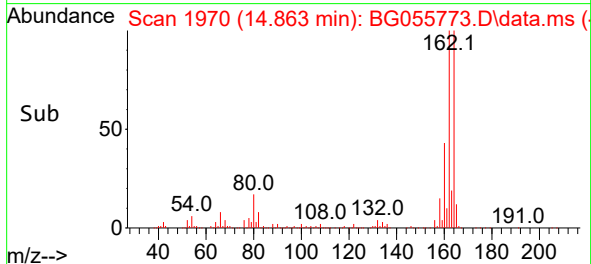
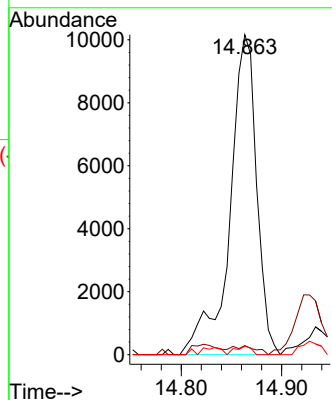
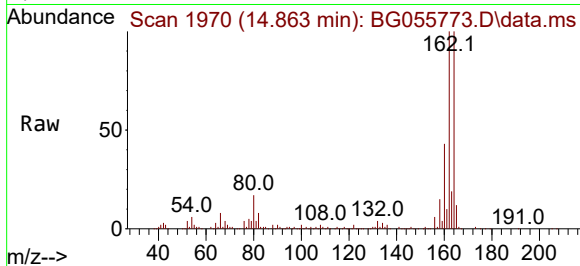




#51
2,6-Dinitrotoluene
Concen: 9.192 ng
RT: 14.863 min Scan# 1898
Delta R.T. 0.429 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

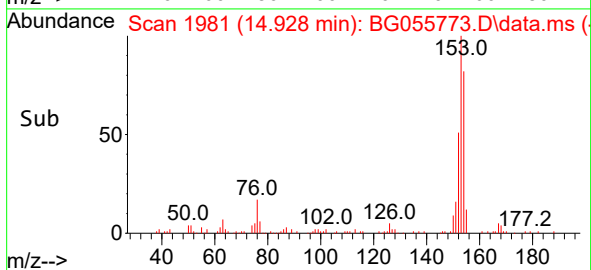
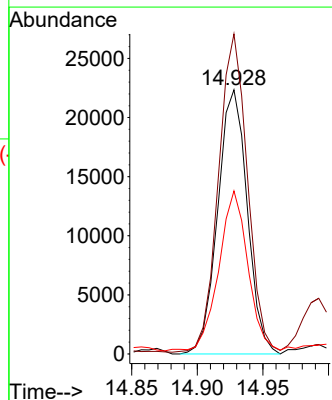
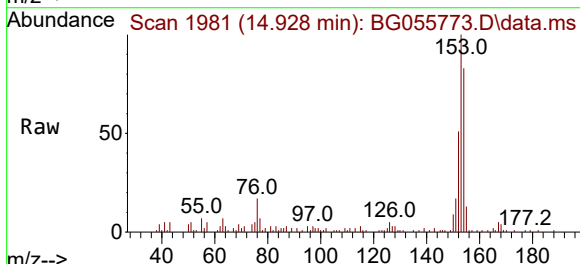
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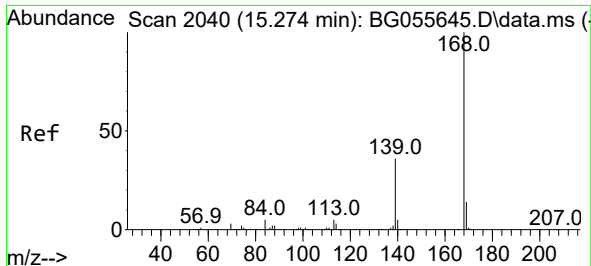
Tgt Ion:165 Resp: 18909
Ion Ratio Lower Upper
165 100
63 2.9 44.6 66.8#
89 2.6 42.2 63.4#



#52
Acenaphthene
Concen: 4.534 ng
RT: 14.928 min Scan# 1981
Delta R.T. 0.000 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

Tgt Ion:154 Resp: 34878
Ion Ratio Lower Upper
154 100
153 121.1 95.0 142.4
152 61.7 46.1 69.1

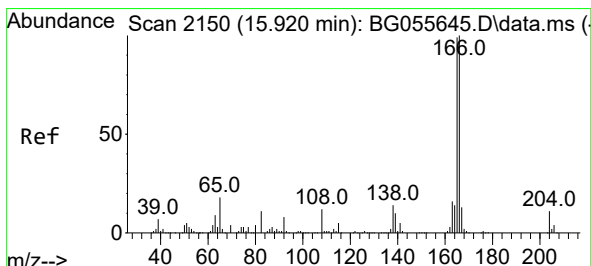
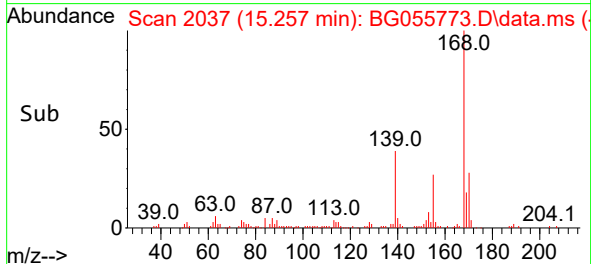
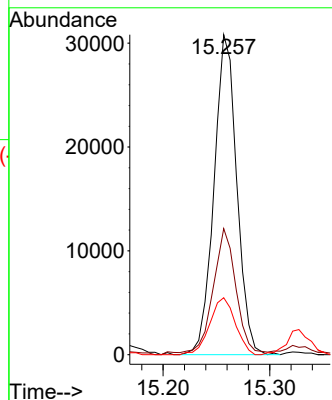
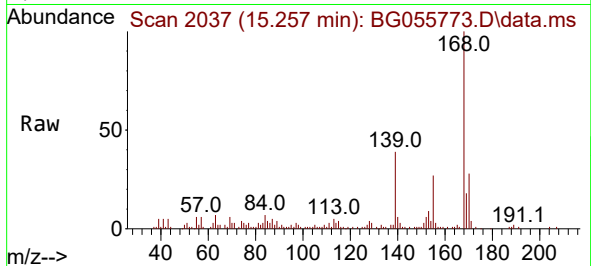




#55
Dibenzenofuran
Concen: 3.848 ng
RT: 15.257 min Scan# 2040
Delta R.T. -0.006 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

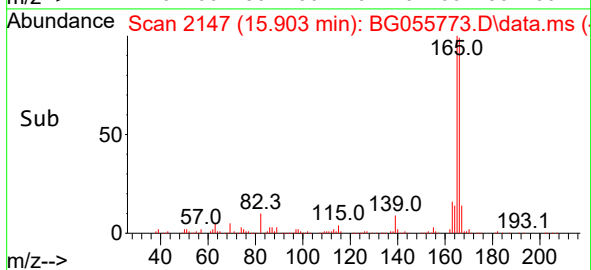
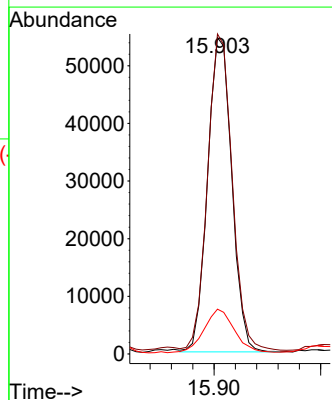
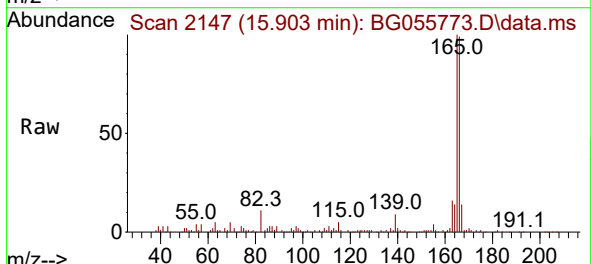
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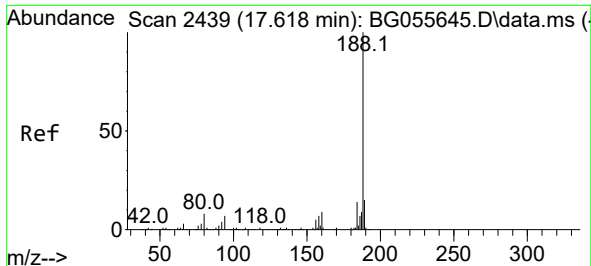
Tgt Ion:168 Resp: 45669
Ion Ratio Lower Upper
168 100
139 39.4 28.8 43.2
169 17.8 11.0 16.4#



#58
Fluorene
Concen: 9.072 ng
RT: 15.903 min Scan# 2147
Delta R.T. -0.006 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

Tgt Ion:166 Resp: 85997
Ion Ratio Lower Upper
166 100
165 101.1 79.3 118.9
167 14.1 10.6 15.8

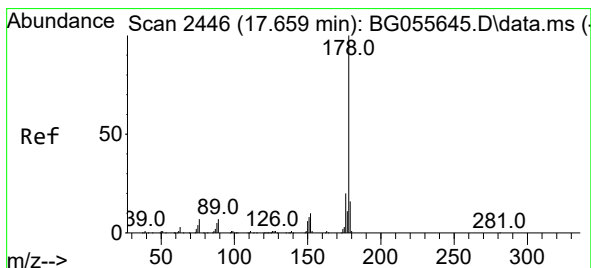
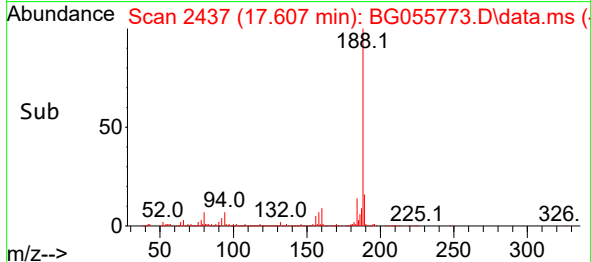
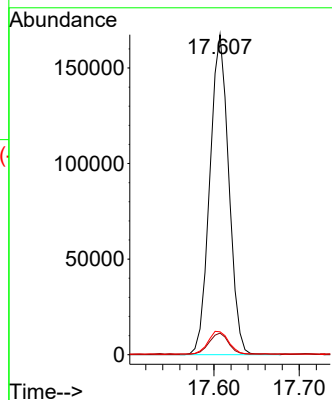
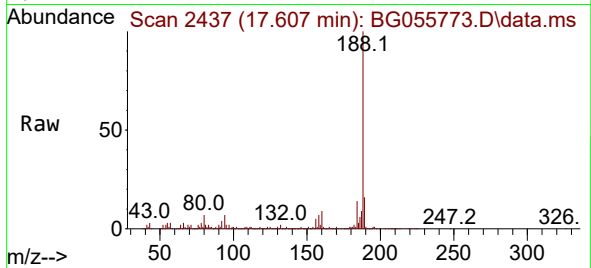




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.607 min Scan# 2439
Delta R.T. 0.000 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

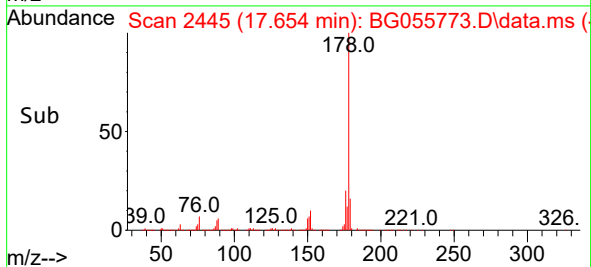
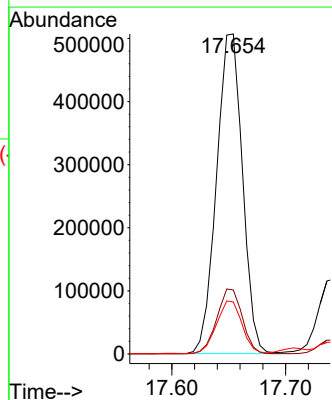
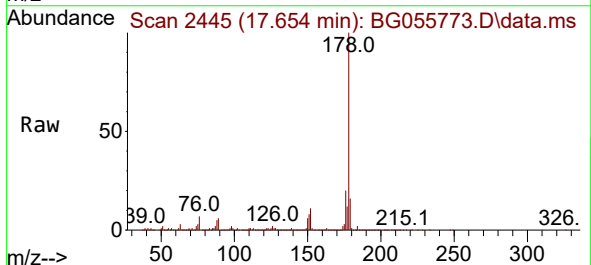
Instrument :
BNA_G
ClientSampleId :
PAT-04-112122

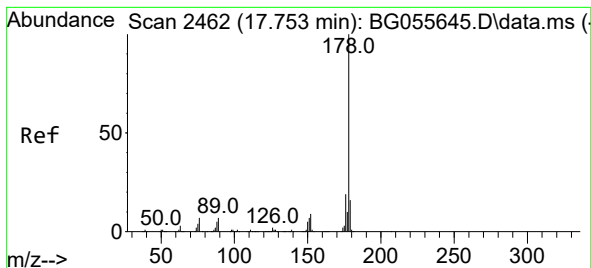
Tgt Ion:188 Resp: 258382
Ion Ratio Lower Upper
188 100
94 6.7 5.4 8.2
80 7.1 6.6 10.0



#71
Phenanthrene
Concen: 57.680 ng
RT: 17.654 min Scan# 2445
Delta R.T. 0.006 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

Tgt Ion:178 Resp: 804254
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 16.3 12.7 19.1





#72

Anthracene

Concen: 13.186 ng

RT: 17.742 min Scan# 2462

Delta R.T. 0.000 min

Lab File: BG055773.D

Acq: 24 Nov 2022 3:09

Instrument :

BNA_G

ClientSampleId :

PAT-04-112122

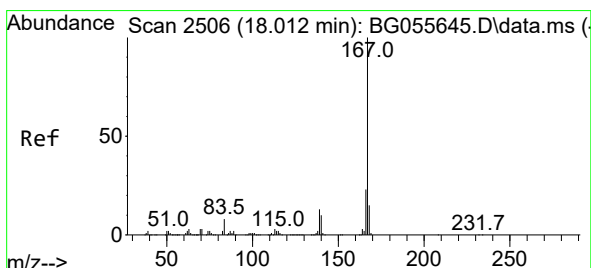
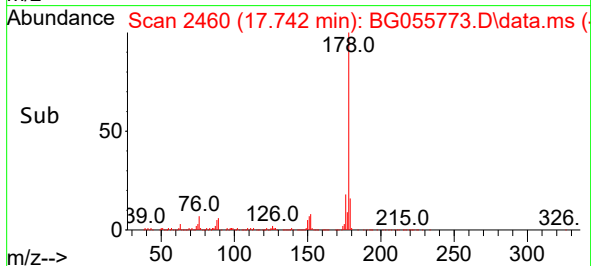
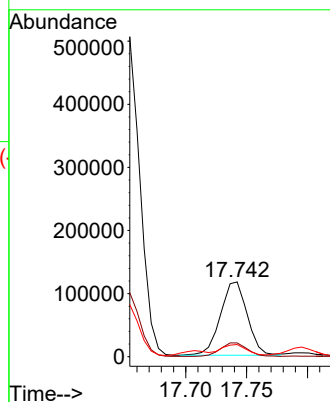
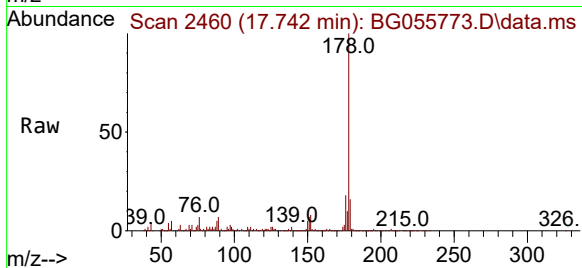
Tgt Ion:178 Resp: 178642

Ion Ratio Lower Upper

178 100

176 18.3 15.5 23.3

179 16.3 12.5 18.7



#73

Carbazole

Concen: 6.349 ng

RT: 18.001 min Scan# 2504

Delta R.T. -0.006 min

Lab File: BG055773.D

Acq: 24 Nov 2022 3:09

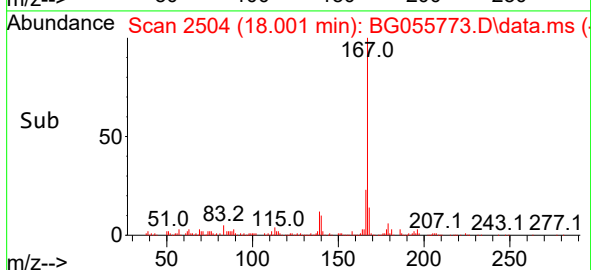
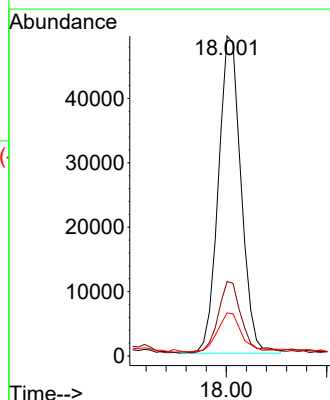
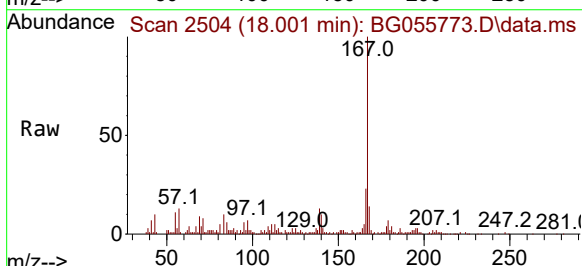
Tgt Ion:167 Resp: 77323

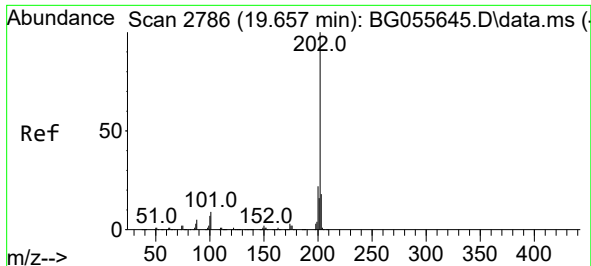
Ion Ratio Lower Upper

167 100

166 23.2 18.2 27.2

139 13.5 10.2 15.4

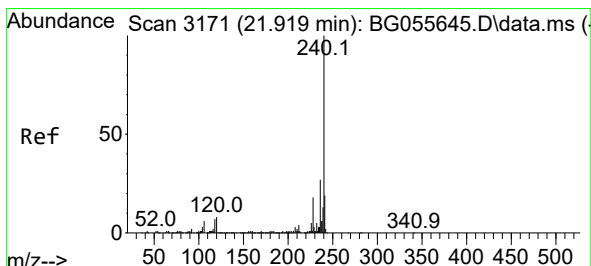
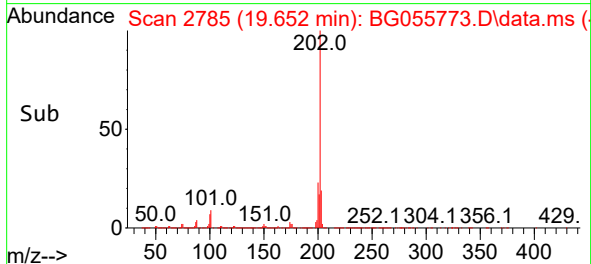
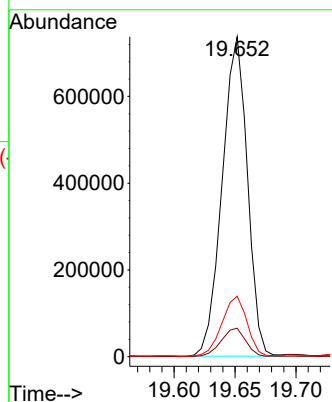
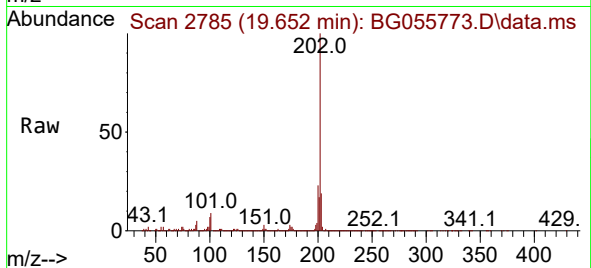




#75
Fluoranthene
Concen: 62.432 ng
RT: 19.652 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

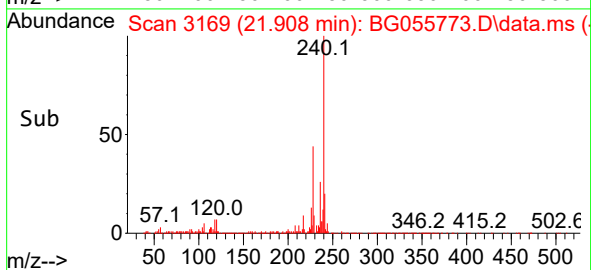
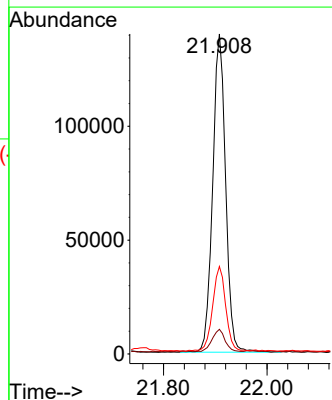
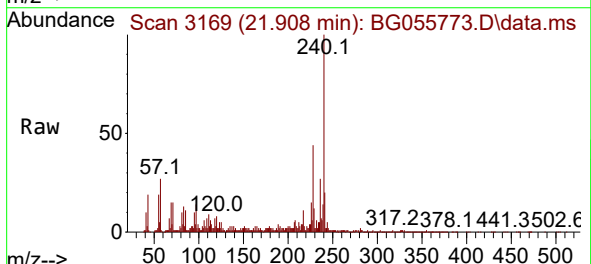
Instrument :
BNA_G
ClientSampleId :
PAT-04-112122

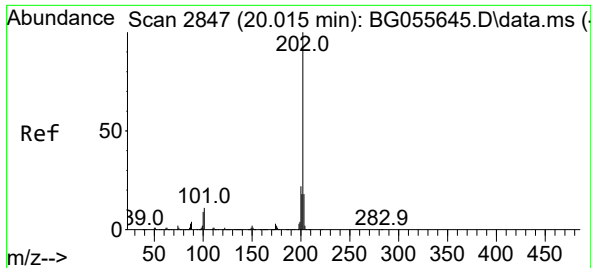
Tgt Ion:202 Resp: 1059051
Ion Ratio Lower Upper
202 100
101 8.9 0.0 28.8
203 18.9 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.908 min Scan# 3169
Delta R.T. 0.006 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

Tgt Ion:240 Resp: 241851
Ion Ratio Lower Upper
240 100
120 7.7 6.3 9.5
236 27.4 21.9 32.9

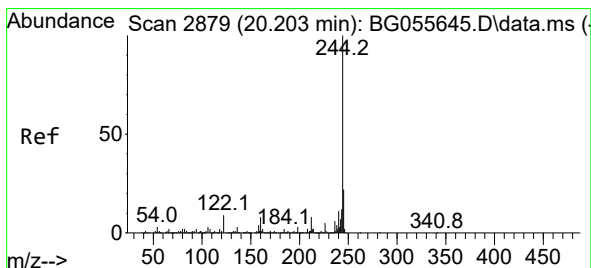
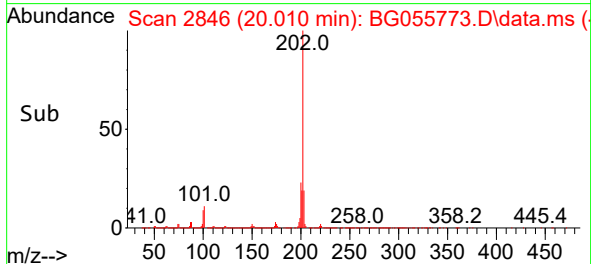
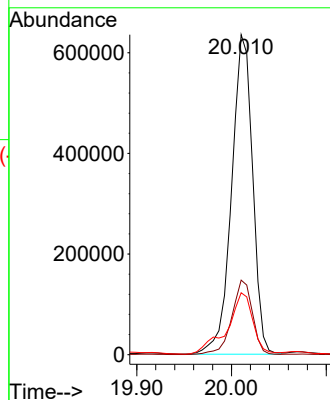
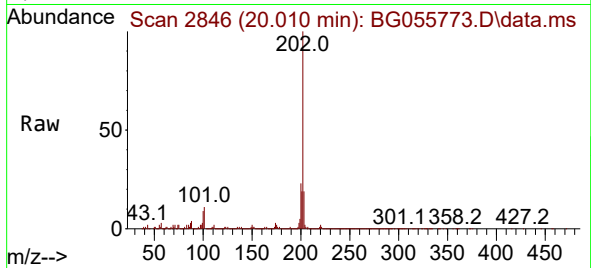




#78
 Pyrene
 Concen: 59.712 ng
 RT: 20.010 min Scan# 2846
 Delta R.T. 0.000 min
 Lab File: BG055773.D
 Acq: 24 Nov 2022 3:09

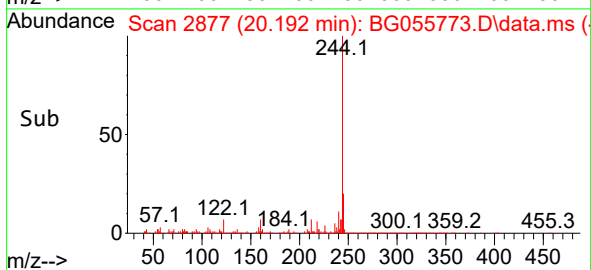
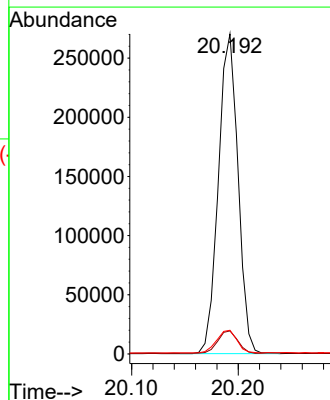
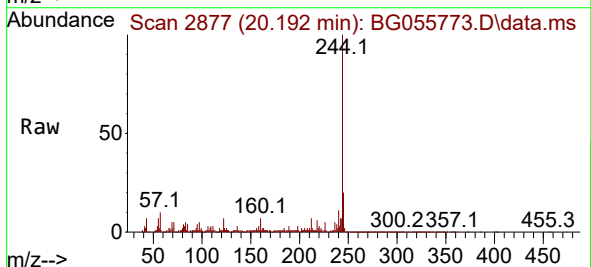
Instrument :
 BNA_G
 ClientSampleId :
 PAT-04-112122

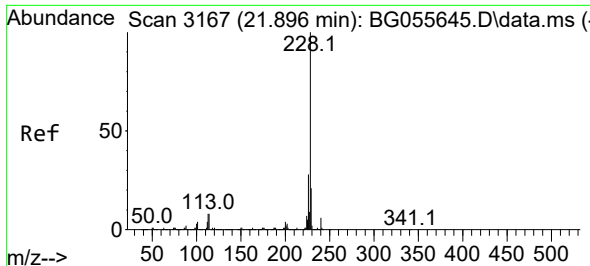
Tgt Ion:202 Resp: 977504
 Ion Ratio Lower Upper
 202 100
 200 23.3 17.8 26.6
 203 19.4 14.4 21.6



#79
 Terphenyl-d14
 Concen: 28.498 ng
 RT: 20.192 min Scan# 2877
 Delta R.T. 0.000 min
 Lab File: BG055773.D
 Acq: 24 Nov 2022 3:09

Tgt Ion:244 Resp: 344589
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.3 9.5
 122 7.4 6.9 10.3

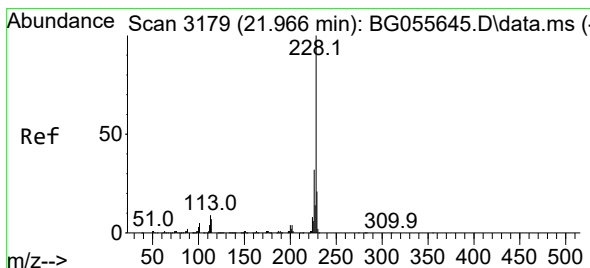
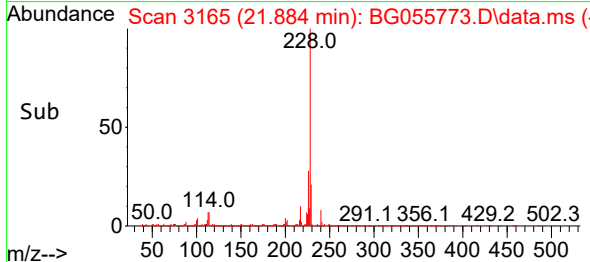
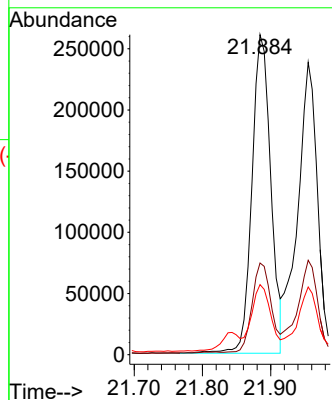
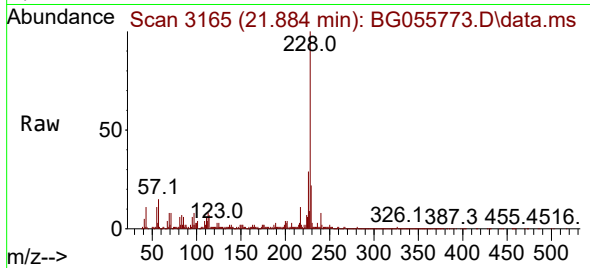




#81
Benzo(a)anthracene
Concen: 29.864 ng
RT: 21.884 min Scan# 3165
Delta R.T. 0.000 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

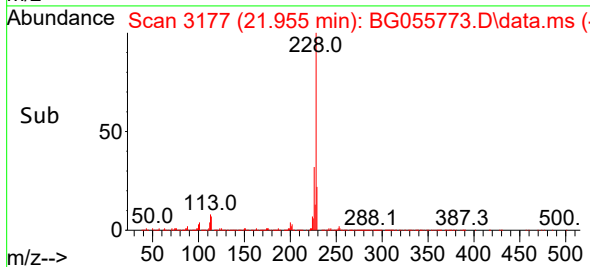
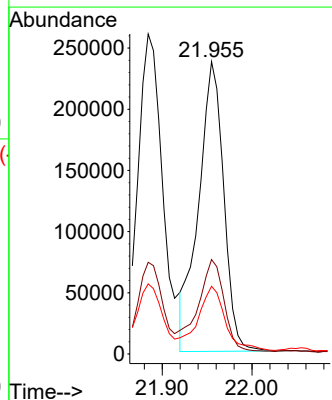
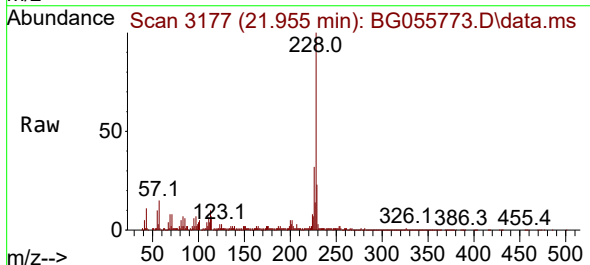
Instrument :
BNA_G
ClientSampleId :
PAT-04-112122

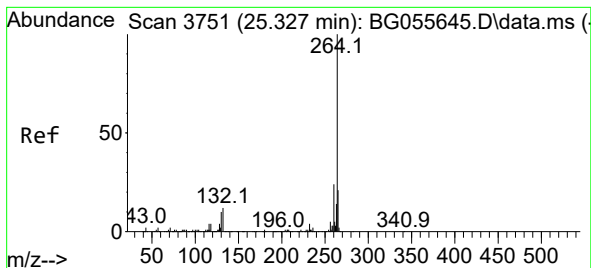
Tgt Ion:228 Resp: 497471
Ion Ratio Lower Upper
228 100
226 28.7 22.7 34.1
229 21.9 16.5 24.7



#83
Chrysene
Concen: 29.181 ng
RT: 21.955 min Scan# 3177
Delta R.T. 0.000 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

Tgt Ion:228 Resp: 462754
Ion Ratio Lower Upper
228 100
226 32.3 25.4 38.2
229 23.2 17.1 25.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.327 min Scan# 31

Delta R.T. 0.024 min

Lab File: BG055773.D

Acq: 24 Nov 2022 3:09

Instrument :

BNA_G

ClientSampleId :

PAT-04-112122

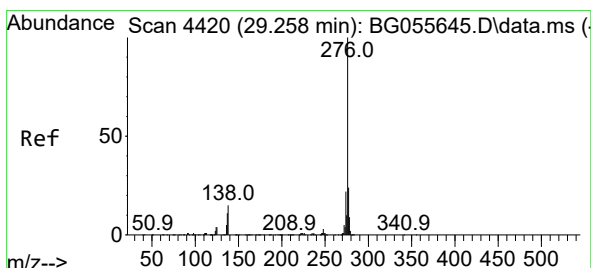
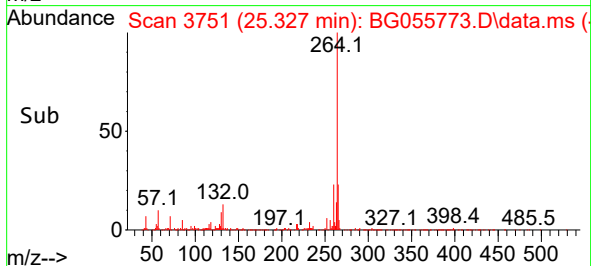
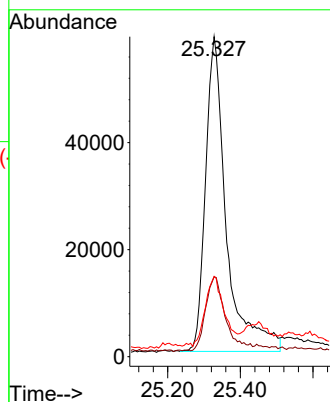
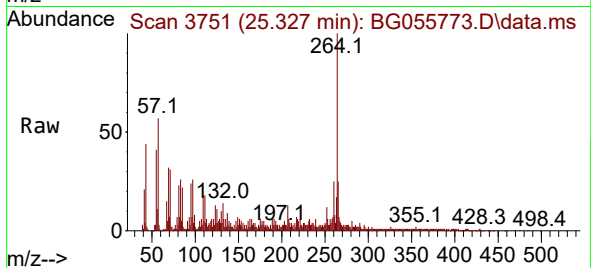
Tgt Ion:264 Resp: 234379

Ion Ratio Lower Upper

264 100

260 24.9 19.5 29.3

265 25.1 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.953 ng

RT: 29.264 min Scan# 4421

Delta R.T. 0.030 min

Lab File: BG055773.D

Acq: 24 Nov 2022 3:09

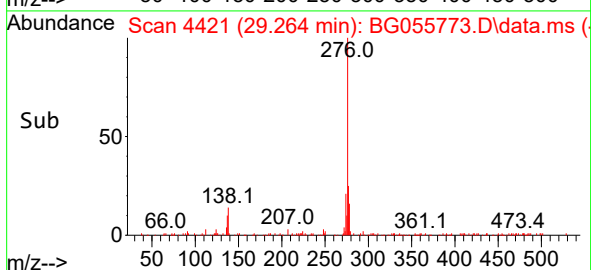
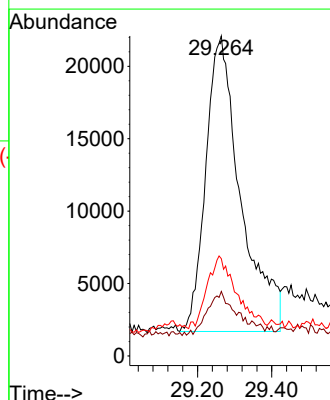
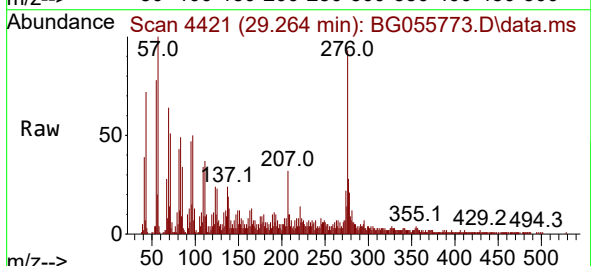
Tgt Ion:276 Resp: 133500

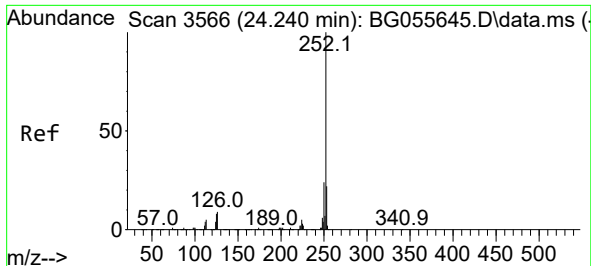
Ion Ratio Lower Upper

276 100

138 11.5 10.4 15.6

277 19.9 20.2 30.4#

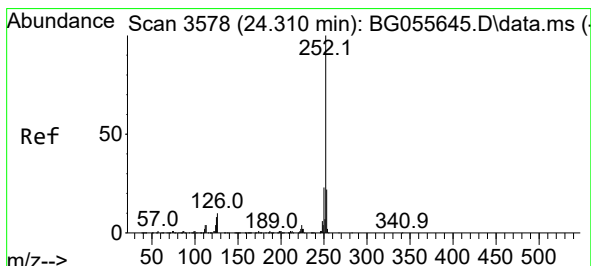
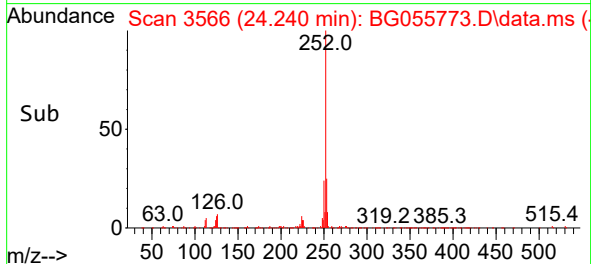
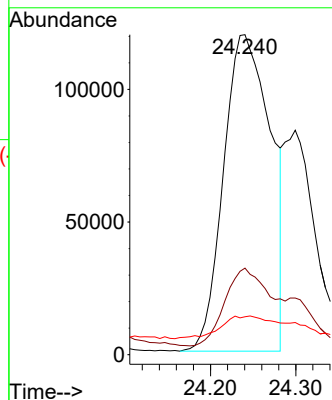
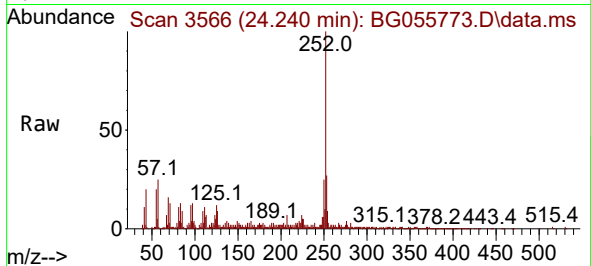




#88
Benzo(b)fluoranthene
Concen: 30.025 ng
RT: 24.240 min Scan# 3566
Delta R.T. 0.024 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

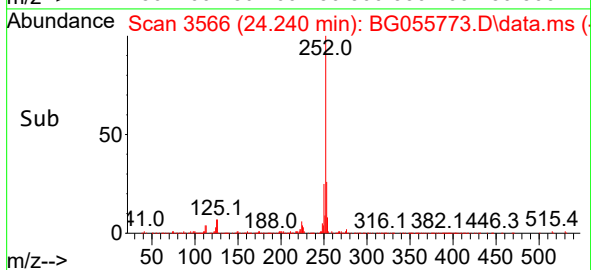
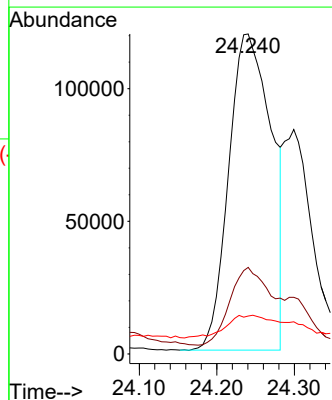
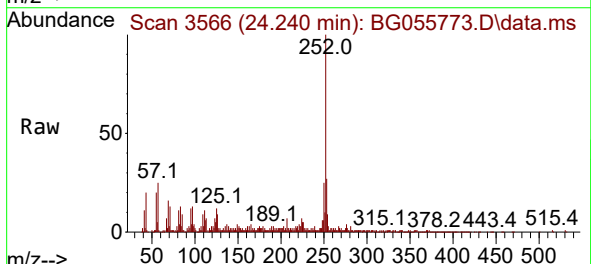
Instrument :
BNA_G
ClientSampleId :
PAT-04-112122

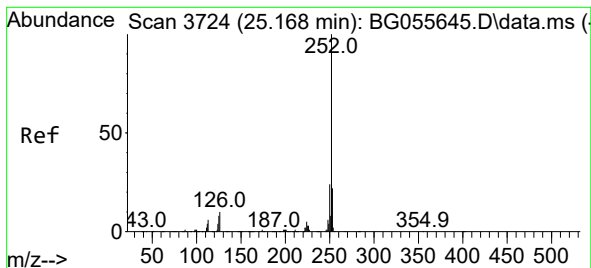
Tgt Ion:252 Resp: 458302
Ion Ratio Lower Upper
252 100
253 27.1 18.0 27.0#
125 11.9 6.2 9.2#



#89
Benzo(k)fluoranthene
Concen: 30.074 ng
RT: 24.240 min Scan# 3566
Delta R.T. -0.053 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

Tgt Ion:252 Resp: 457590
Ion Ratio Lower Upper
252 100
253 27.1 17.8 26.6#
125 11.9 6.1 9.1#





#90

Benzo(a)pyrene

Concen: 29.798 ng

RT: 25.169 min Scan# 31

Delta R.T. 0.024 min

Lab File: BG055773.D

Acq: 24 Nov 2022 3:09

Instrument :

BNA_G

ClientSampleId :

PAT-04-112122

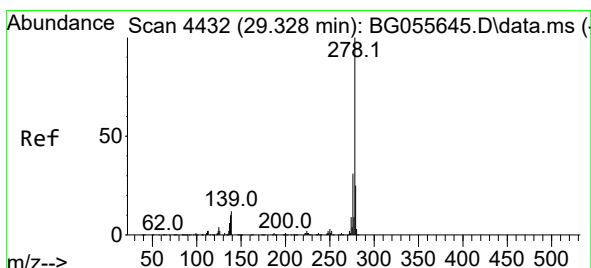
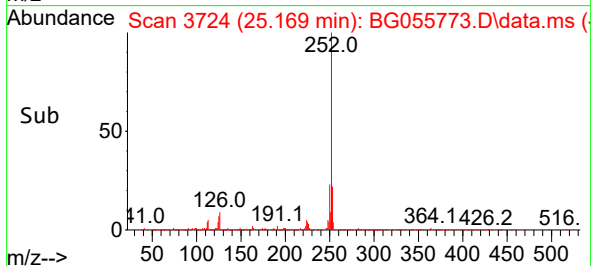
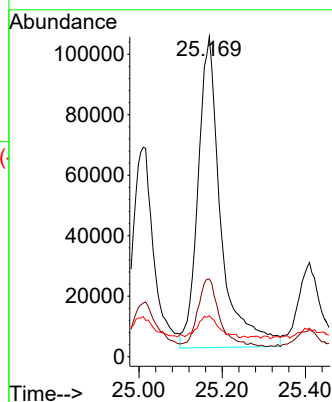
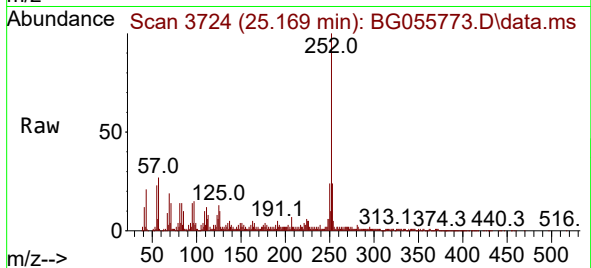
Tgt Ion:252 Resp: 390309

Ion Ratio Lower Upper

252 100

253 24.2 17.8 26.6

125 12.8 6.4 9.6#



#91

Dibenzo(a,h)anthracene

Concen: 2.165 ng

RT: 29.311 min Scan# 4429

Delta R.T. 0.012 min

Lab File: BG055773.D

Acq: 24 Nov 2022 3:09

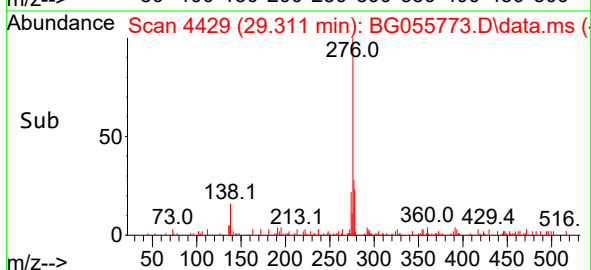
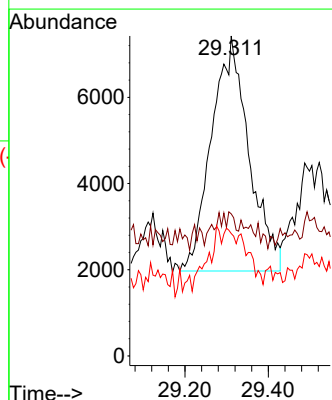
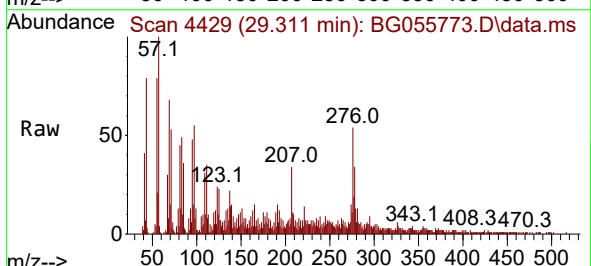
Tgt Ion:278 Resp: 33976

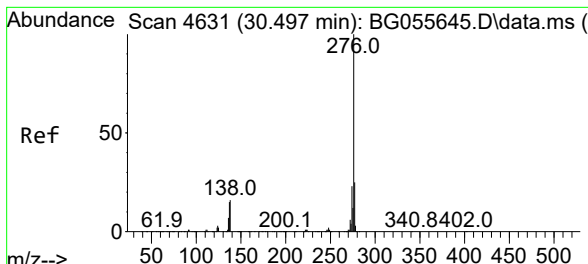
Ion Ratio Lower Upper

278 100

139 44.4 9.8 14.8#

279 38.3 19.8 29.6#





#92
 Benzo(g,h,i)perylene
 Concen: 6.888 ng
 RT: 30.498 min Scan# 4
 Delta R.T. 0.035 min
 Lab File: BG055773.D
 Acq: 24 Nov 2022 3:09

Instrument :
 BNA_G
 ClientSampleId :
 PAT-04-112122

Tgt Ion:276 Resp: 108929

Ion	Ratio	Lower	Upper
276	100		
277	27.9	19.8	29.6
138	19.2	13.1	19.7

