

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022023\
 Data File : BG056673.D
 Acq On : 20 Feb 2023 14:38
 Operator : CG/JU
 Sample : 01552-01DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-01-0-2.0DL

Quant Time: Feb 20 15:28:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 16 01:33:33 2023
 Response via : Initial Calibration

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

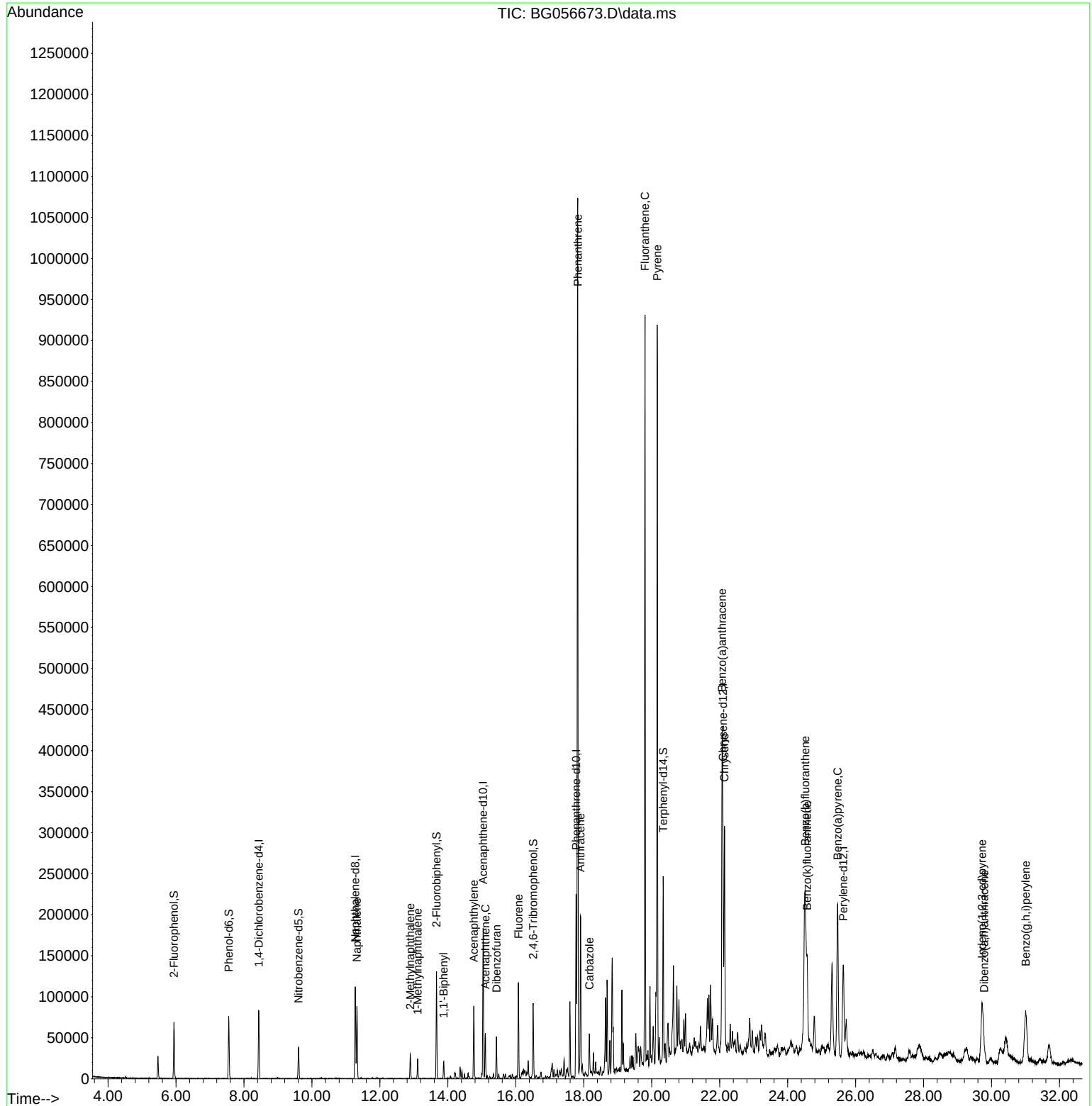
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.438	152	23661	20.000	ng	0.00
21) Naphthalene-d8	11.276	136	92357	20.000	ng	0.00
39) Acenaphthene-d10	15.036	164	65832	20.000	ng	0.00
64) Phenanthrene-d10	17.774	188	144689	20.000	ng	0.00
76) Chrysene-d12	22.093	240	130280	20.000	ng	0.00
86) Perylene-d12	25.636	264	140574	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.941	112	30742	21.140	ng	0.00
7) Phenol-d6	7.551	99	43166	20.095	ng	0.00
23) Nitrobenzene-d5	9.607	82	23711	13.145	ng	0.00
42) 2,4,6-Tribromophenol	16.511	330	15711	17.431	ng	0.00
45) 2-Fluorobiphenyl	13.667	172	66114	13.448	ng	0.00
79) Terphenyl-d14	20.336	244	105486	13.247	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	11.323	128	70994	13.870	ng	98
37) 2-Methylnaphthalene	12.892	142	13345	3.302	ng	99
38) 1-Methylnaphthalene	13.109	142	10698	2.837	ng	90
46) 1,1'-Biphenyl	13.873	154	11246	2.255	ng	89
49) Acenaphthylene	14.766	152	64841	10.112	ng	96
52) Acenaphthene	15.101	154	19682	4.976	ng	98
55) Dibenzofuran	15.430	168	29217	4.372	ng	95
58) Fluorene	16.076	166	55633	10.530	ng	99
71) Phenanthrene	17.821	178	722547	91.789	ng	100
72) Anthracene	17.904	178	134327	16.677	ng	99
73) Carbazole	18.162	167	32166	4.633	ng	98
75) Fluoranthene	19.801	202	613192	59.036	ng	99
78) Pyrene	20.160	202	617467	62.757	ng	99
81) Benzo(a)anthracene	22.069	228	249721	25.775	ng	94
83) Chrysene	22.140	228	216714	23.927	ng	97
87) Indeno(1,2,3-cd)pyrene	29.719	276	148897	13.525	ng	# 99
88) Benzo(b)fluoranthene	24.514	252	260792	28.397	ng	100
89) Benzo(k)fluoranthene	24.572	252	82964m	9.186	ng	
90) Benzo(a)pyrene	25.471	252	231043	26.172	ng	99
91) Dibenzo(a,h)anthracene	29.778	278	38187	4.188	ng	# 97
92) Benzo(g,h,i)perylene	31.006	276	155730	17.479	ng	100

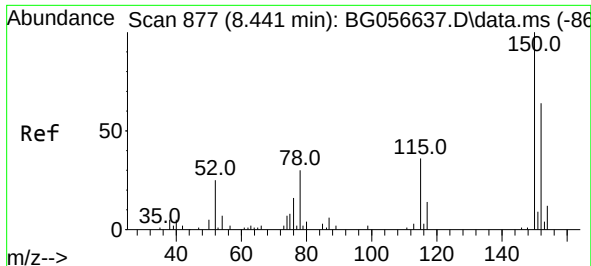
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022023\
Data File : BG056673.D
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Instrument :
BNA_G
ClientSampleId :
SB-01-0-2.0DL

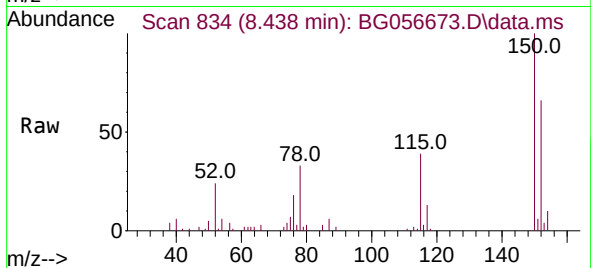
Quant Time: Feb 20 15:28:55 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 16 01:33:33 2023
Response via : Initial Calibration



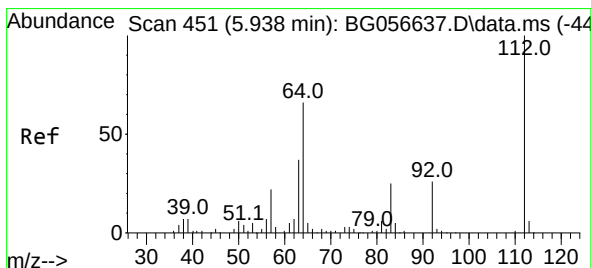
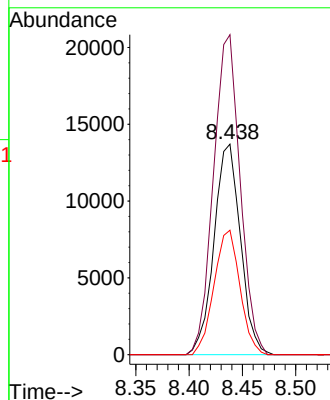
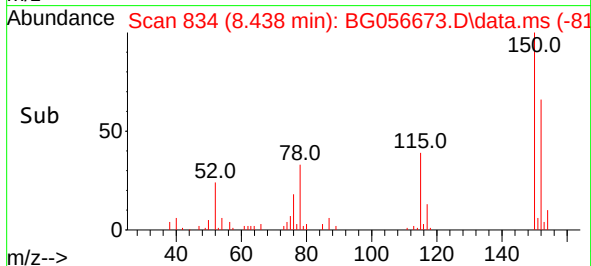


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.438 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG056673.D
Acq: 20 Feb 2023 14:38

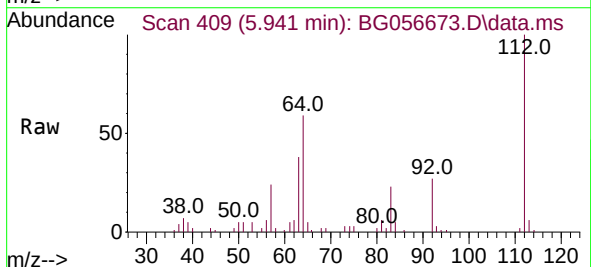
Instrument :
BNA_G
ClientSampleId :
SB-01-0-2.0DL



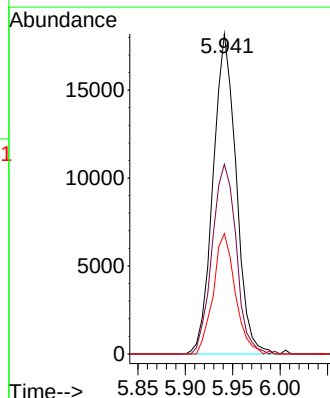
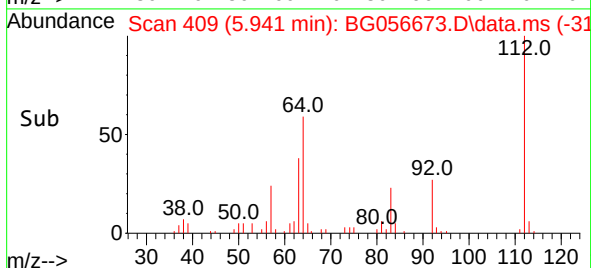
Tgt Ion:152 Resp: 23661
Ion Ratio Lower Upper
152 100
150 152.0 124.8 187.2
115 59.1 44.7 67.1

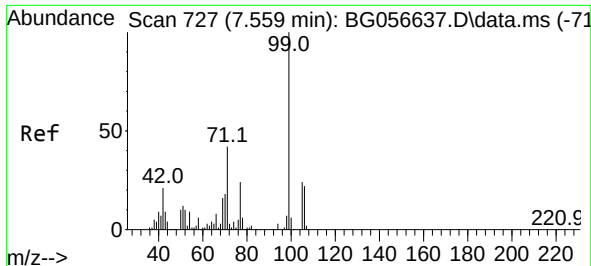


#5
2-Fluorophenol
Concen: 21.140 ng
RT: 5.941 min Scan# 409
Delta R.T. 0.003 min
Lab File: BG056673.D
Acq: 20 Feb 2023 14:38



Tgt Ion:112 Resp: 30742
Ion Ratio Lower Upper
112 100
64 59.3 52.6 78.8
63 37.6 29.8 44.6

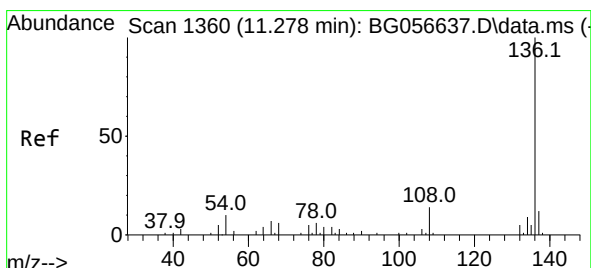
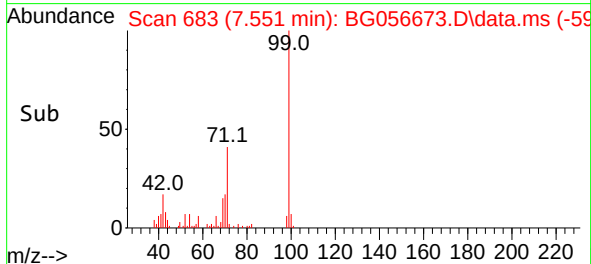
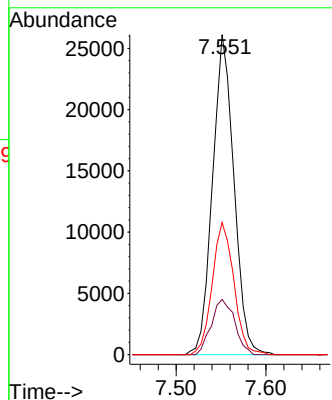
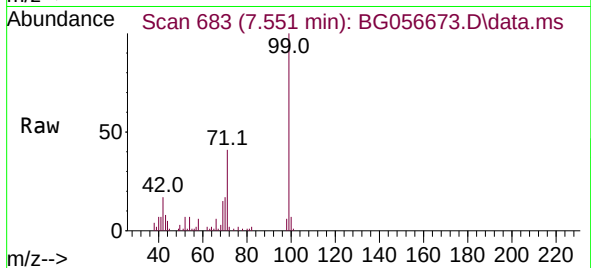




#7
Phenol-d6
Concen: 20.095 ng
RT: 7.551 min Scan# 68
Delta R.T. -0.008 min
Lab File: BG056673.D
Acq: 20 Feb 2023 14:38

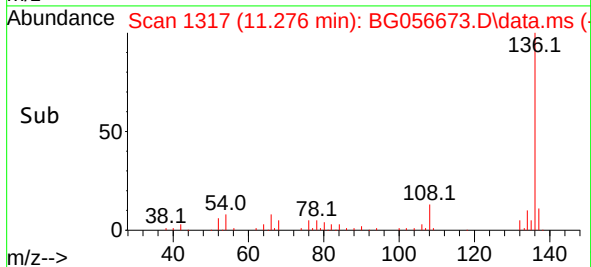
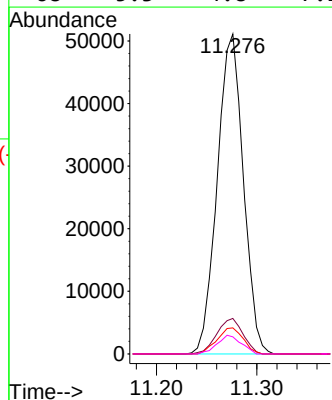
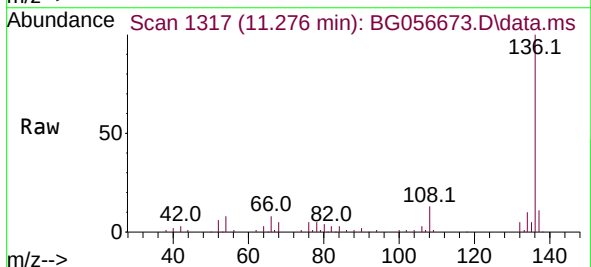
Instrument :
BNA_G
ClientSampleId :
SB-01-0-2.0DL

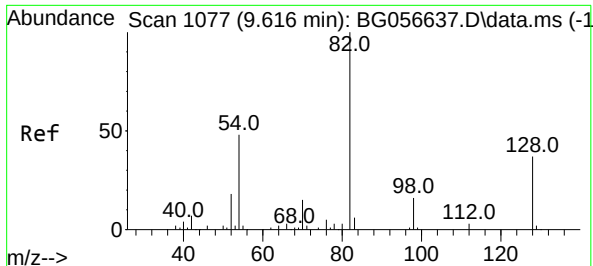
Tgt Ion: 99	Resp: 43166
Ion Ratio	Lower Upper
99 100	
42 17.2	16.8 25.2
71 41.3	33.9 50.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.276 min Scan# 1317
Delta R.T. -0.002 min
Lab File: BG056673.D
Acq: 20 Feb 2023 14:38

Tgt Ion: 136	Resp: 92357
Ion Ratio	Lower Upper
136 100	
137 11.1	9.7 14.5
54 8.2	7.7 11.5
68 5.3	4.8 7.2





#23

Nitrobenzene-d5

Concen: 13.145 ng

RT: 9.607 min Scan# 1077

Delta R.T. -0.009 min

Lab File: BG056673.D

Acq: 20 Feb 2023 14:38

Instrument :

BNA_G

ClientSampleId :

SB-01-0-2.0DL

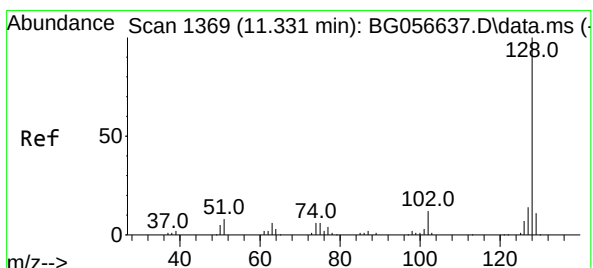
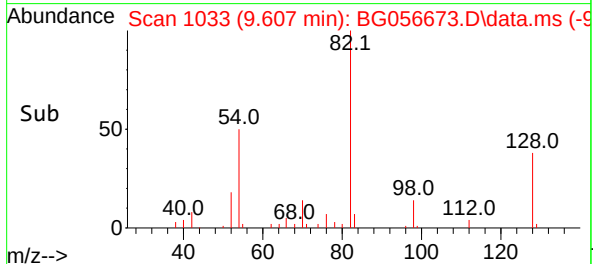
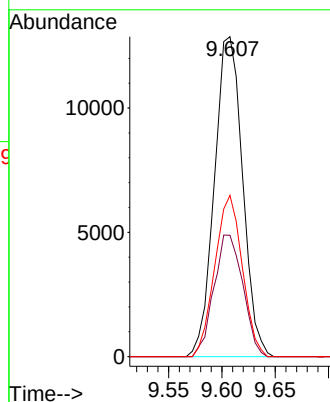
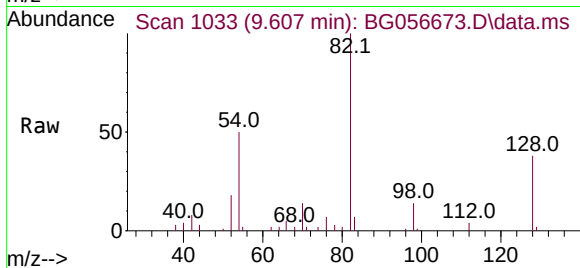
Tgt Ion: 82 Resp: 23711

Ion Ratio Lower Upper

82 100

128 38.0 29.4 44.2

54 50.4 37.8 56.6



#31

Naphthalene

Concen: 13.870 ng

RT: 11.323 min Scan# 1325

Delta R.T. -0.008 min

Lab File: BG056673.D

Acq: 20 Feb 2023 14:38

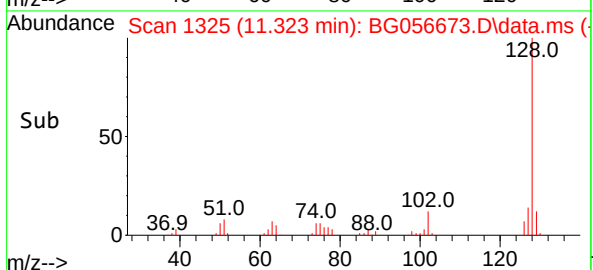
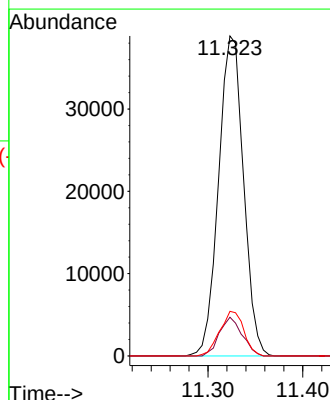
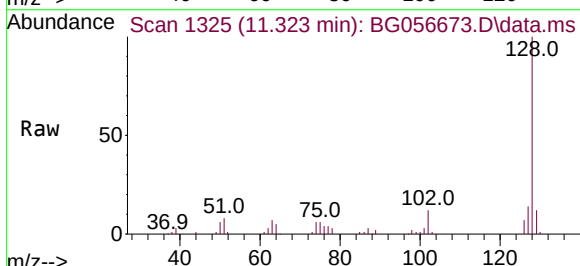
Tgt Ion:128 Resp: 70994

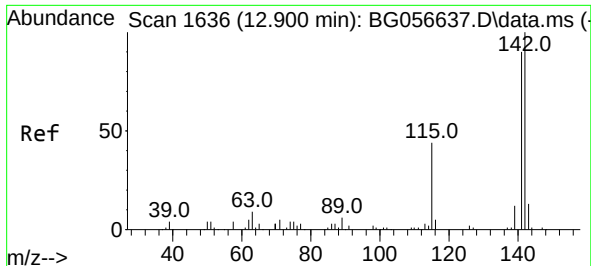
Ion Ratio Lower Upper

128 100

129 12.1 8.7 13.1

127 13.9 10.9 16.3

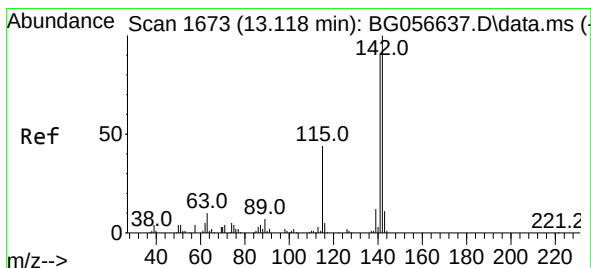
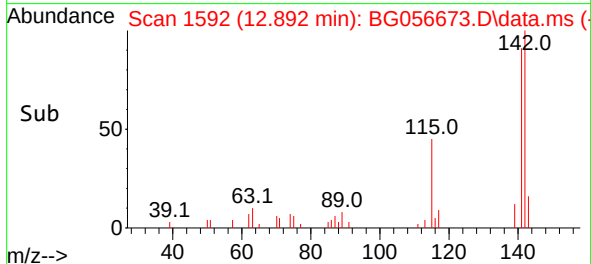
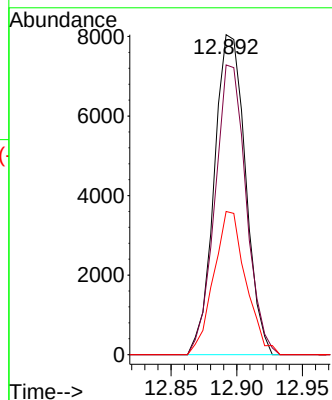
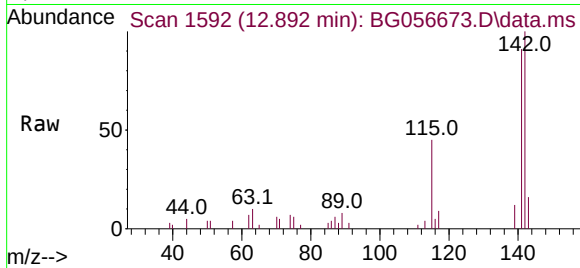




#37
2-Methylnaphthalene
Concen: 3.302 ng
RT: 12.892 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG056673.D
Acq: 20 Feb 2023 14:38

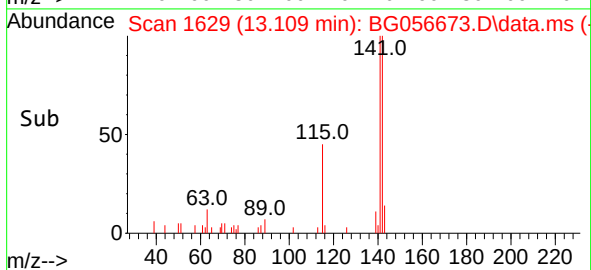
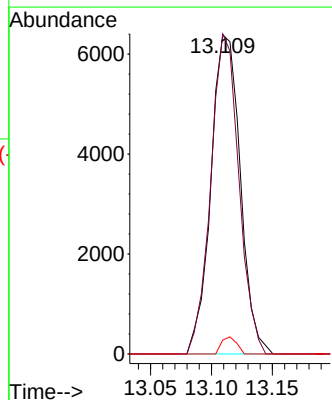
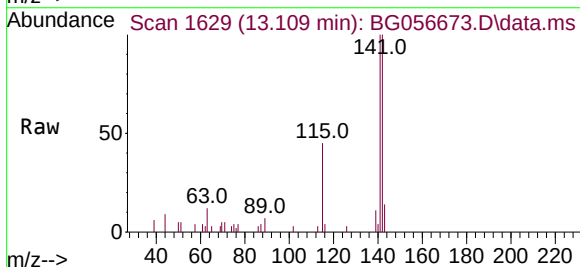
Instrument :
BNA_G
ClientSampleId :
SB-01-0-2.0DL

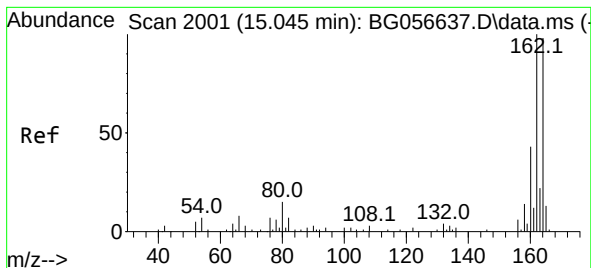
Tgt Ion:142 Resp: 13345
Ion Ratio Lower Upper
142 100
141 90.5 71.9 107.9
115 44.7 35.1 52.7



#38
1-Methylnaphthalene
Concen: 2.837 ng
RT: 13.109 min Scan# 1629
Delta R.T. -0.008 min
Lab File: BG056673.D
Acq: 20 Feb 2023 14:38

Tgt Ion:142 Resp: 10698
Ion Ratio Lower Upper
142 100
141 100.3 72.7 109.1
116 4.3 4.2 6.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.036 min Scan# 1957

Delta R.T. -0.008 min

Lab File: BG056673.D

Acq: 20 Feb 2023 14:38

Instrument :

BNA_G

ClientSampleId :

SB-01-0-2.0DL

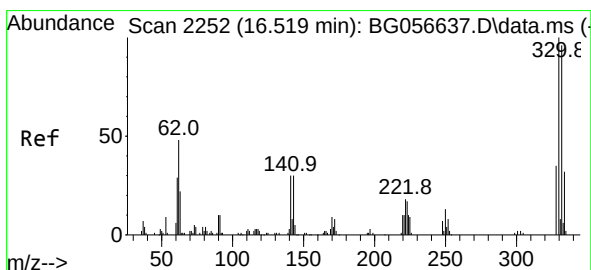
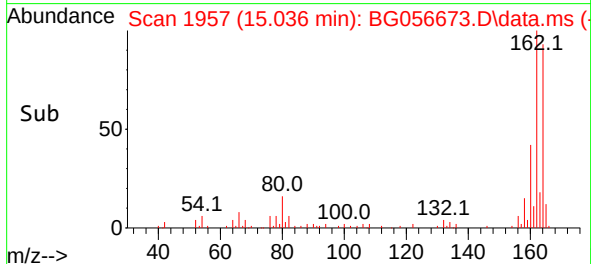
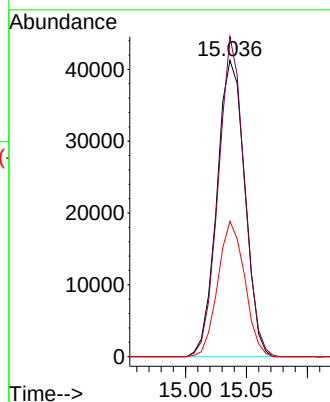
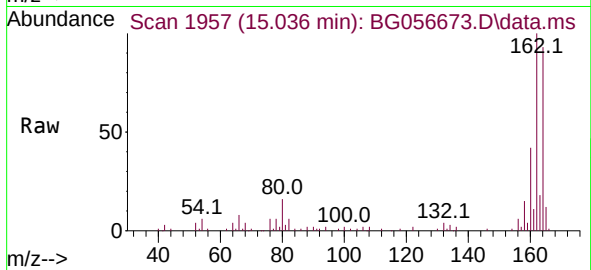
Tgt Ion:164 Resp: 65832

Ion Ratio Lower Upper

164 100

162 108.0 81.3 121.9

160 45.6 35.2 52.8



#42

2,4,6-Tribromophenol

Concen: 17.431 ng

RT: 16.511 min Scan# 2208

Delta R.T. -0.008 min

Lab File: BG056673.D

Acq: 20 Feb 2023 14:38

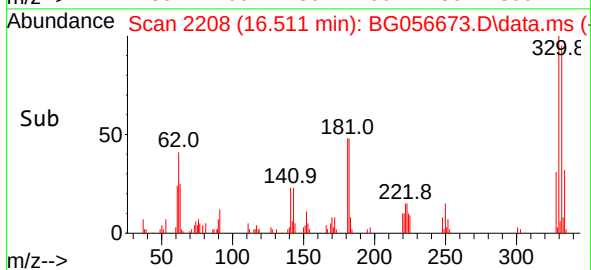
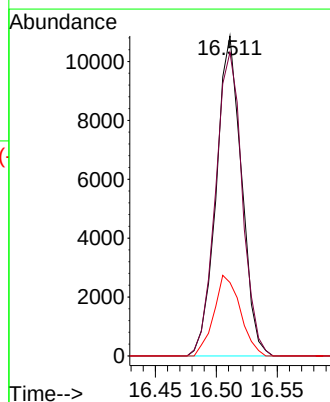
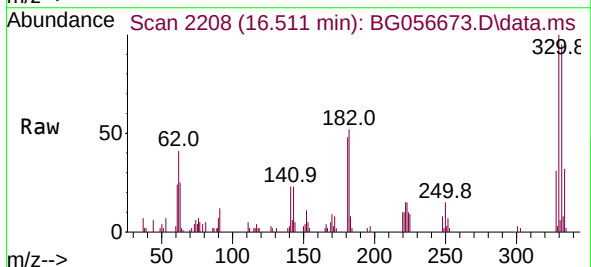
Tgt Ion:330 Resp: 15711

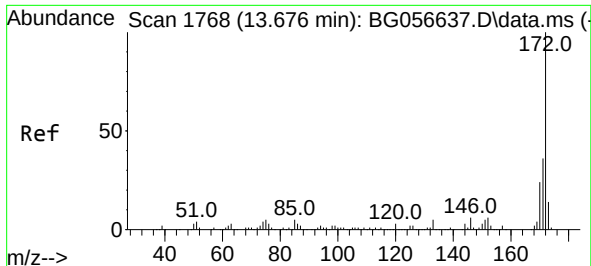
Ion Ratio Lower Upper

330 100

332 99.9 75.7 113.5

141 26.3 24.6 37.0

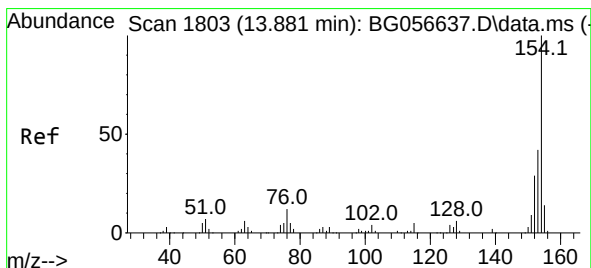
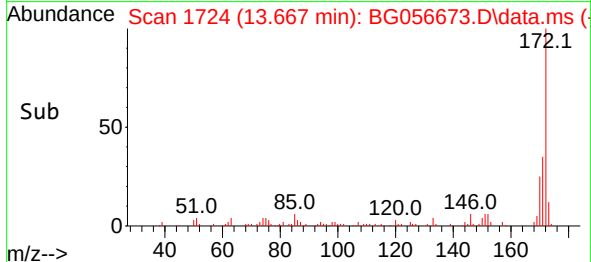
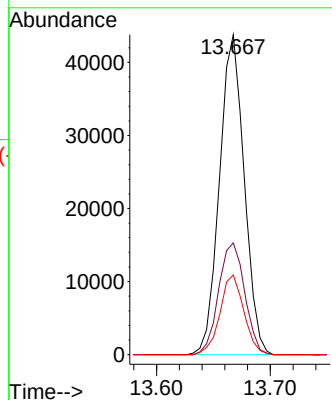
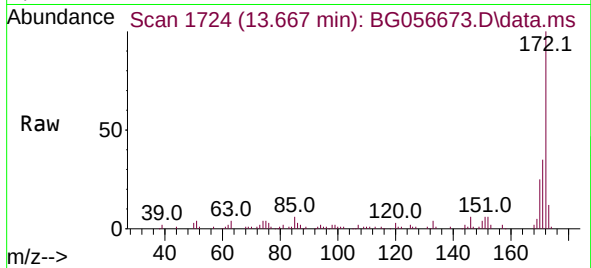




#45
2-Fluorobiphenyl
Concen: 13.448 ng
RT: 13.667 min Scan# 1724
Delta R.T. -0.008 min
Lab File: BG056673.D
Acq: 20 Feb 2023 14:38

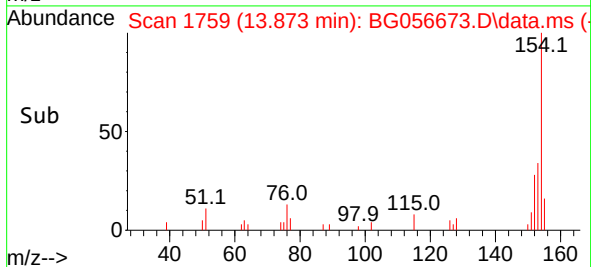
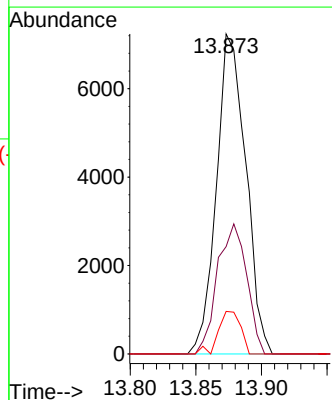
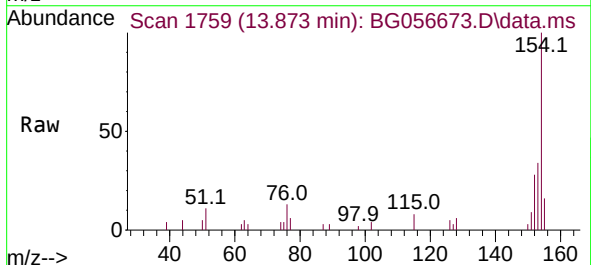
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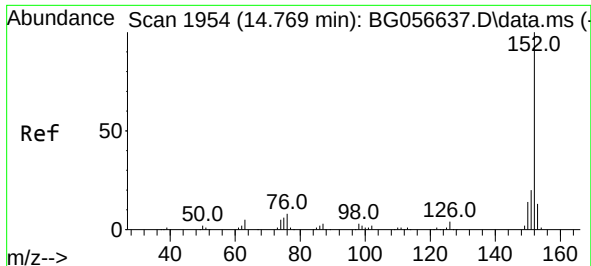
Tgt Ion:172 Resp: 66114
Ion Ratio Lower Upper
172 100
171 34.9 28.6 43.0
170 24.9 19.4 29.0



#46
1,1'-Biphenyl
Concen: 2.255 ng
RT: 13.873 min Scan# 1759
Delta R.T. -0.008 min
Lab File: BG056673.D
Acq: 20 Feb 2023 14:38

Tgt Ion:154 Resp: 11246
Ion Ratio Lower Upper
154 100
153 33.5 21.9 61.9
76 13.3 0.0 31.9

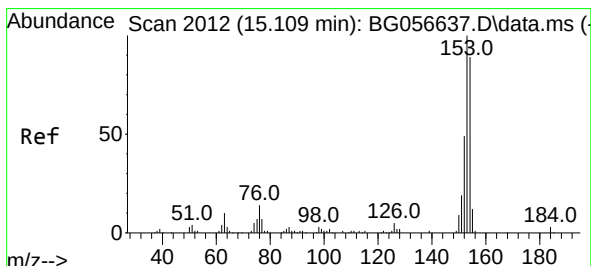
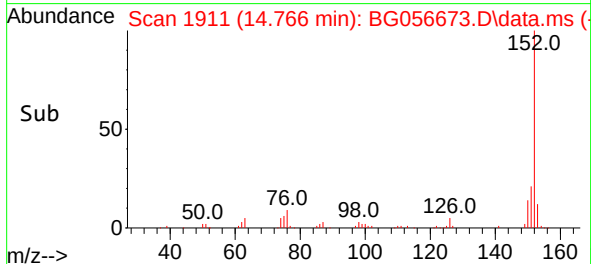
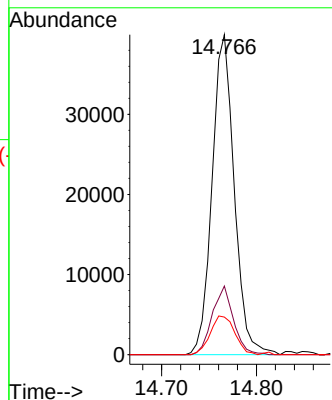
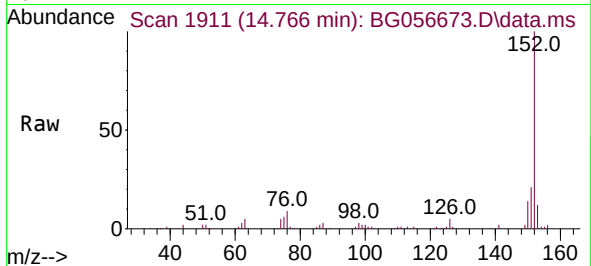




#49
Acenaphthylene
Concen: 10.112 ng
RT: 14.766 min Scan# 1954
Delta R.T. -0.002 min
Lab File: BG056673.D
Acq: 20 Feb 2023 14:38

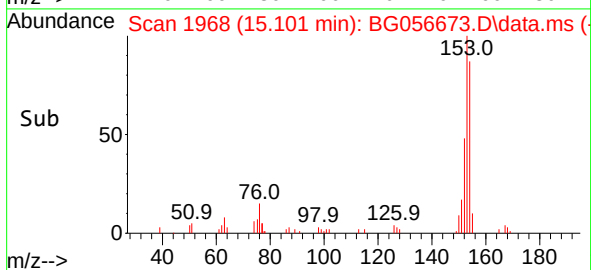
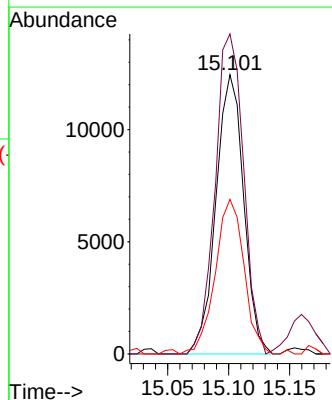
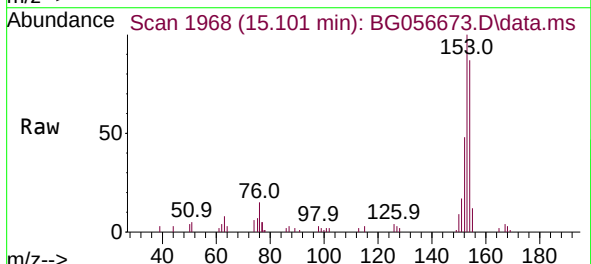
Instrument :
BNA_G
ClientSampleId :
SB-01-0-2.0DL

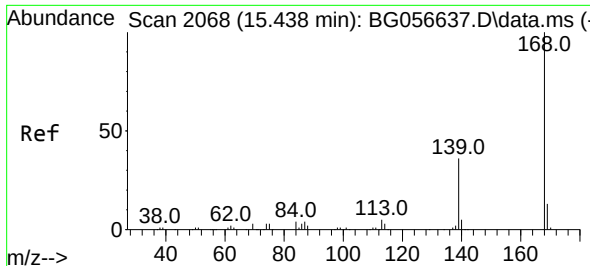
Tgt Ion:152	Resp: 64841
Ion Ratio	Lower Upper
152	100
151	21.5 15.6 23.4
153	11.7 10.3 15.5



#52
Acenaphthene
Concen: 4.976 ng
RT: 15.101 min Scan# 1968
Delta R.T. -0.008 min
Lab File: BG056673.D
Acq: 20 Feb 2023 14:38

Tgt Ion:154	Resp: 19682
Ion Ratio	Lower Upper
154	100
153	114.7 89.5 134.3
152	55.3 43.7 65.5

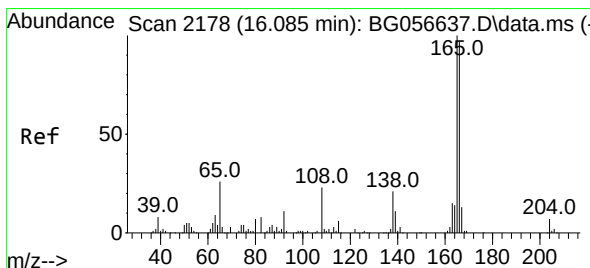
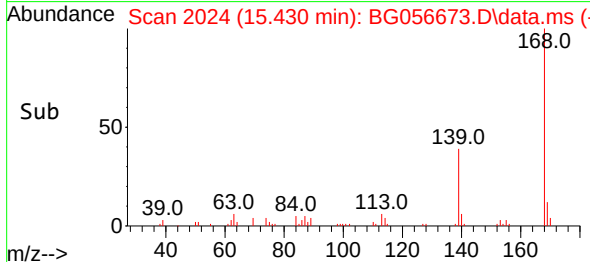
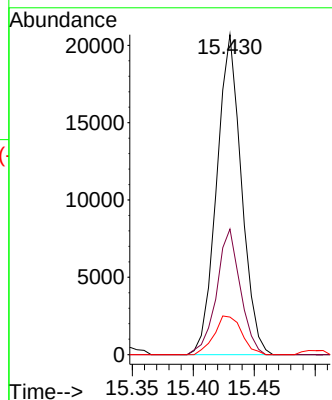
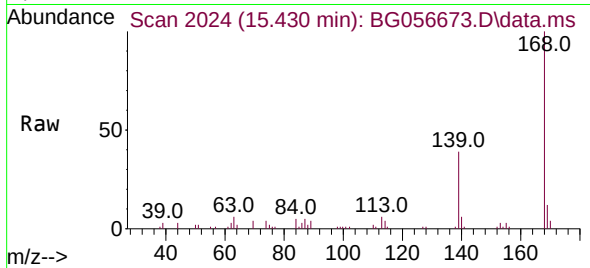




#55
Dibenzenofuran
Concen: 4.372 ng
RT: 15.430 min Scan# 2068
Delta R.T. -0.008 min
Lab File: BG056673.D
Acq: 20 Feb 2023 14:38

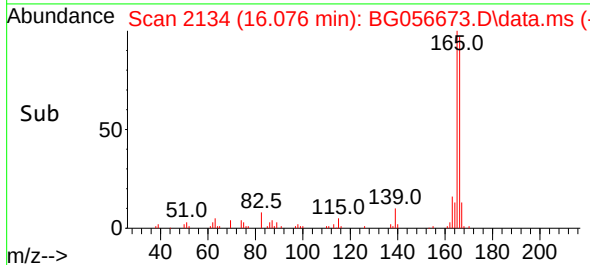
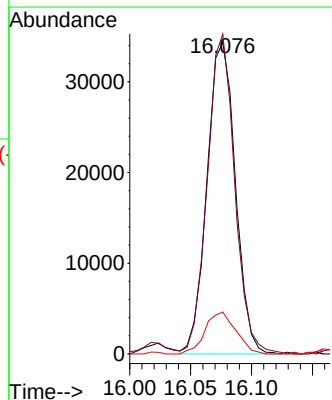
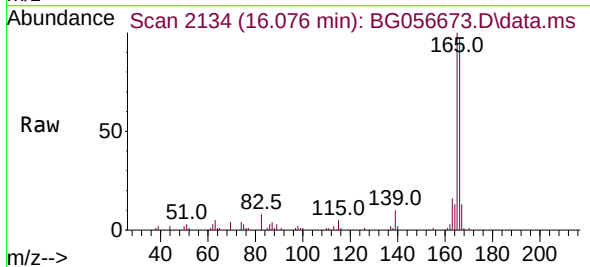
Instrument :
BNA_G
ClientSampleId :
SB-01-0-2.0DL

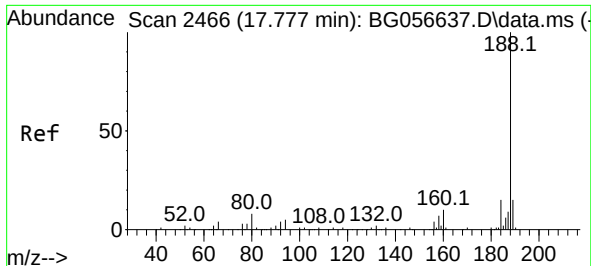
Tgt Ion:168 Resp: 29217
Ion Ratio Lower Upper
168 100
139 39.2 29.0 43.6
169 11.7 10.7 16.1



#58
Fluorene
Concen: 10.530 ng
RT: 16.076 min Scan# 2134
Delta R.T. -0.008 min
Lab File: BG056673.D
Acq: 20 Feb 2023 14:38

Tgt Ion:166 Resp: 55633
Ion Ratio Lower Upper
166 100
165 102.7 82.9 124.3
167 13.4 11.1 16.7

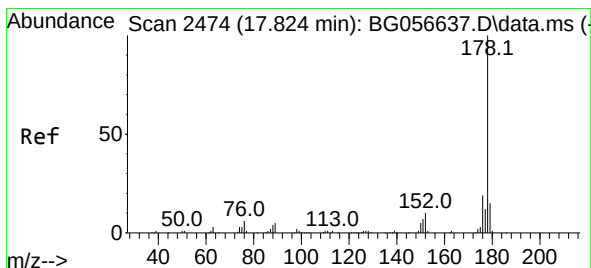
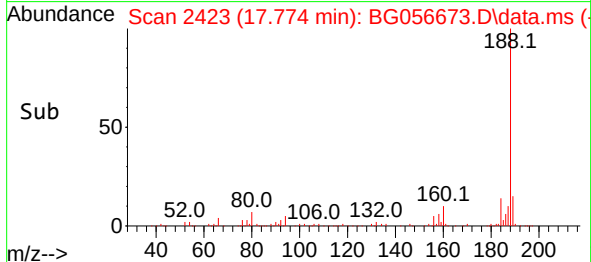
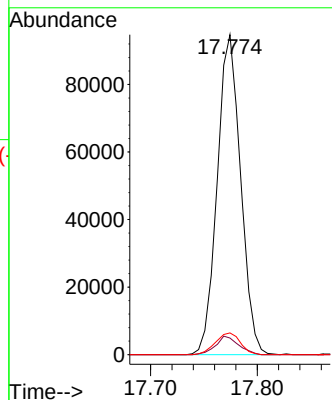
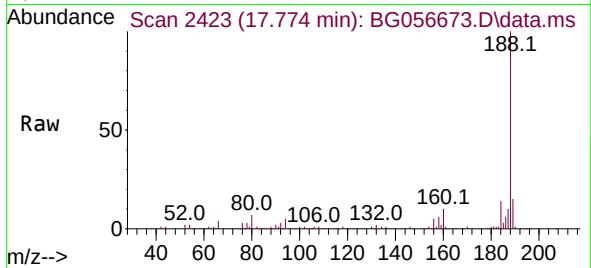




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.774 min Scan# 2466
Delta R.T. -0.002 min
Lab File: BG056673.D
Acq: 20 Feb 2023 14:38

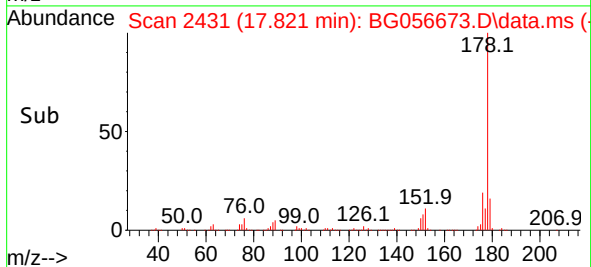
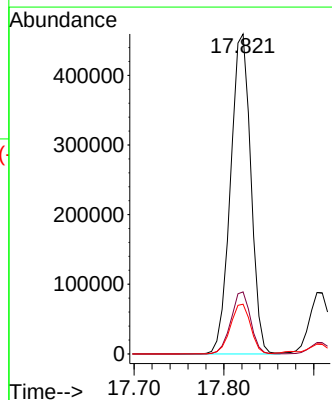
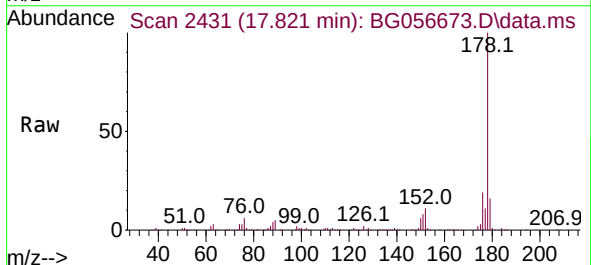
Instrument :
BNA_G
ClientSampleId :
SB-01-0-2.0DL

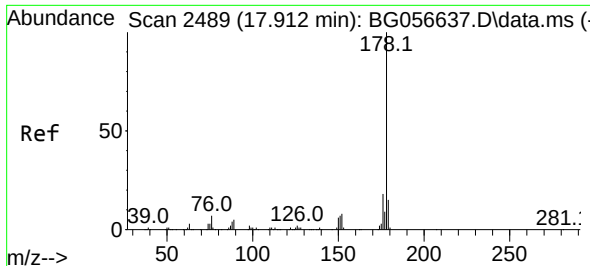
Tgt Ion:188 Resp: 144689
Ion Ratio Lower Upper
188 100
94 5.2 4.0 6.0
80 6.8 6.3 9.5



#71
Phenanthrene
Concen: 91.789 ng
RT: 17.821 min Scan# 2431
Delta R.T. -0.002 min
Lab File: BG056673.D
Acq: 20 Feb 2023 14:38

Tgt Ion:178 Resp: 722547
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.5 12.2 18.4

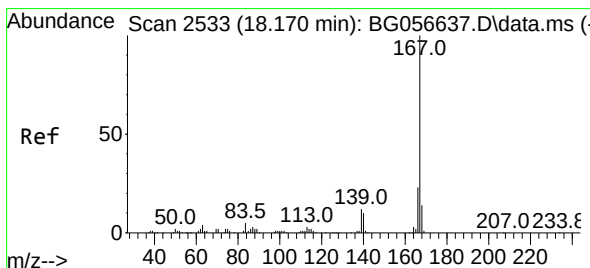
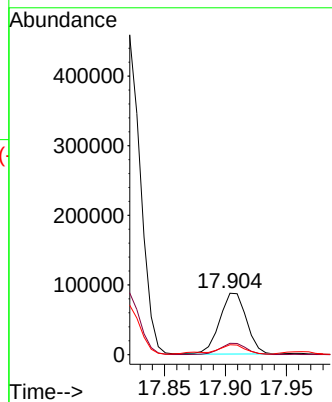
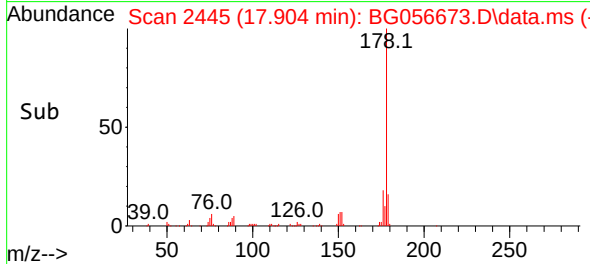
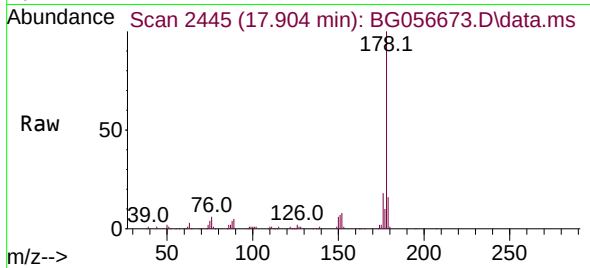




#72
 Anthracene
 Concen: 16.677 ng
 RT: 17.904 min Scan# 24
 Delta R.T. -0.008 min
 Lab File: BG056673.D
 Acq: 20 Feb 2023 14:38

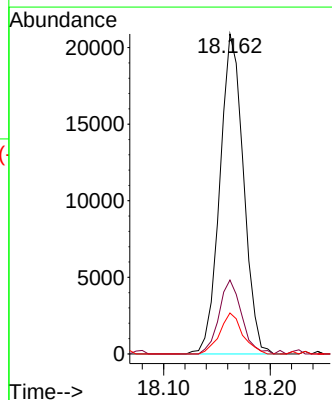
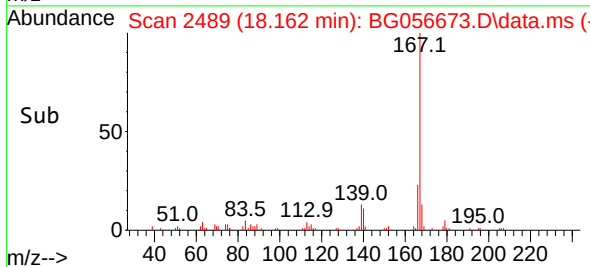
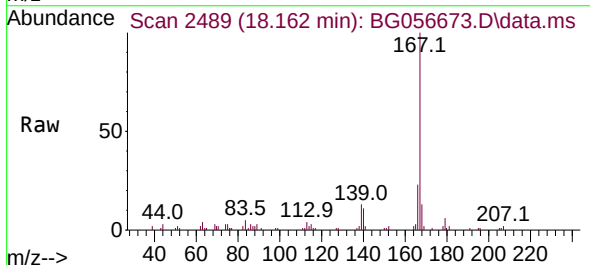
Instrument :
 BNA_G
 ClientSampleId :
 SB-01-0-2.0DL

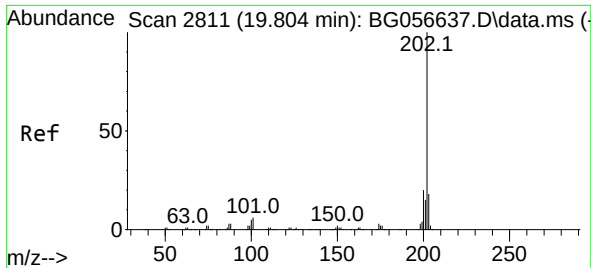
Tgt Ion:178 Resp: 134327
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.3 21.5
 179 16.1 12.2 18.4



#73
 Carbazole
 Concen: 4.633 ng
 RT: 18.162 min Scan# 2489
 Delta R.T. -0.008 min
 Lab File: BG056673.D
 Acq: 20 Feb 2023 14:38

Tgt Ion:167 Resp: 32166
 Ion Ratio Lower Upper
 167 100
 166 23.1 18.1 27.1
 139 12.8 9.4 14.0

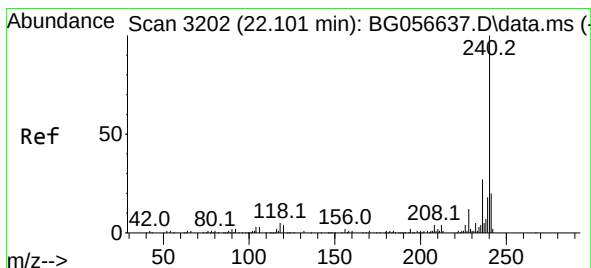
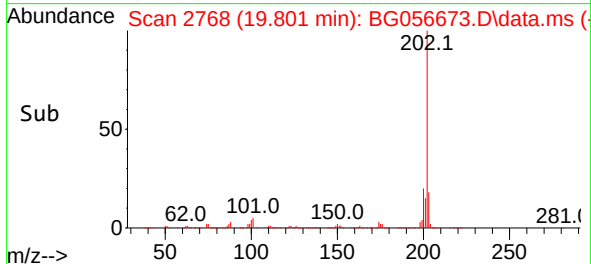
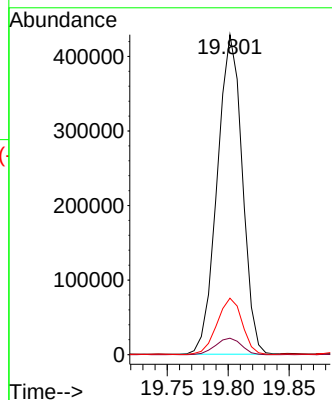
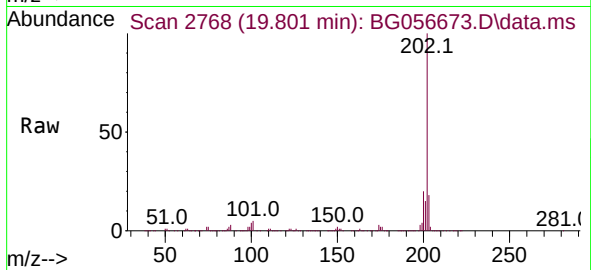




#75
Fluoranthene
Concen: 59.036 ng
RT: 19.801 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG056673.D
Acq: 20 Feb 2023 14:38

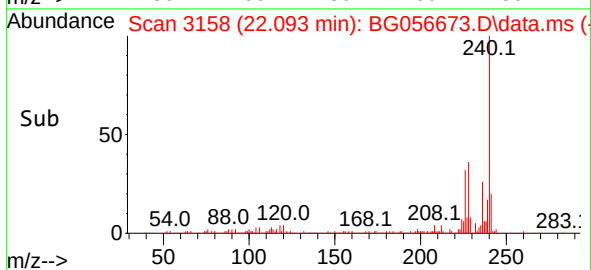
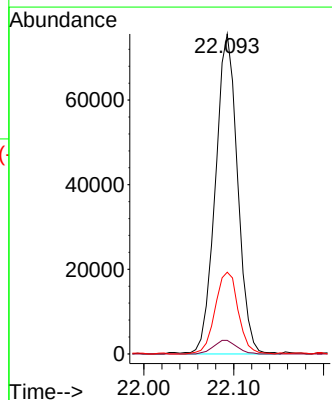
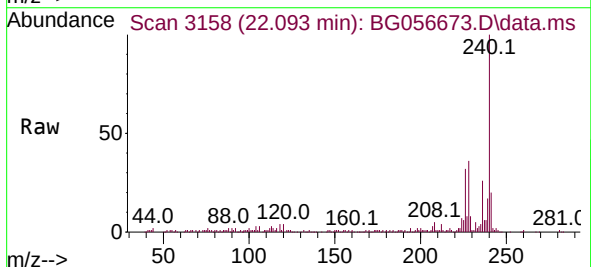
Instrument :
BNA_G
ClientSampleId :
SB-01-0-2.0DL

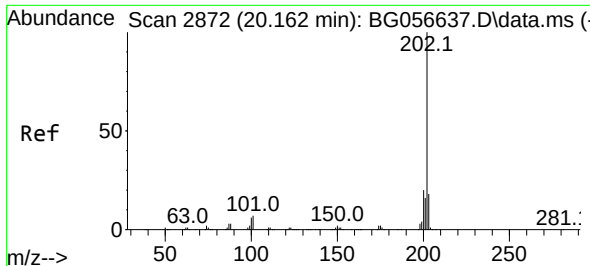
Tgt Ion:202 Resp: 613192
Ion Ratio Lower Upper
202 100
101 5.2 0.0 25.8
203 17.7 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.093 min Scan# 3158
Delta R.T. -0.008 min
Lab File: BG056673.D
Acq: 20 Feb 2023 14:38

Tgt Ion:240 Resp: 130280
Ion Ratio Lower Upper
240 100
120 4.2 3.5 5.3
236 25.5 21.5 32.3

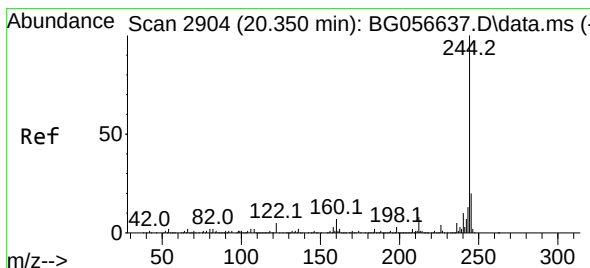
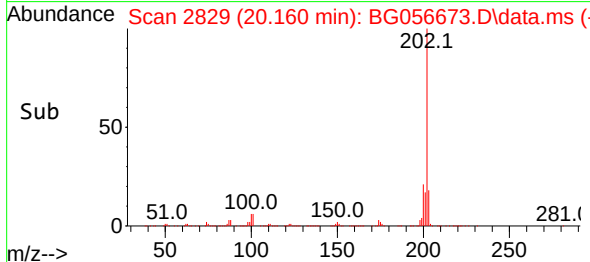
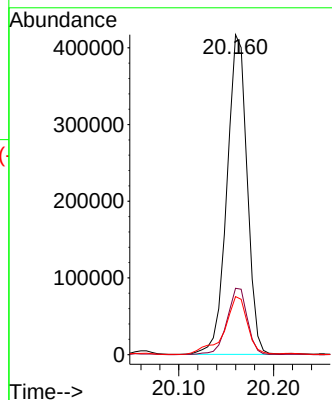
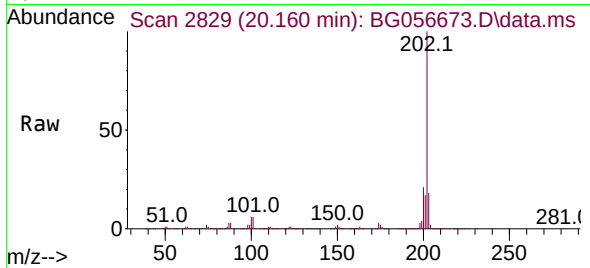




#78
 Pyrene
 Concen: 62.757 ng
 RT: 20.160 min Scan# 2872
 Delta R.T. -0.002 min
 Lab File: BG056673.D
 Acq: 20 Feb 2023 14:38

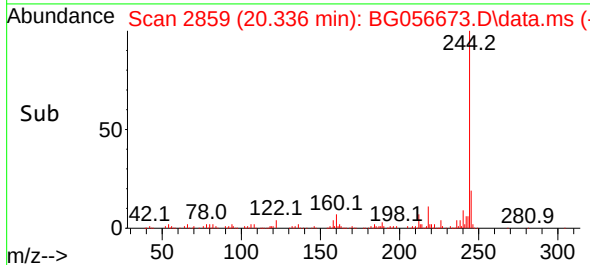
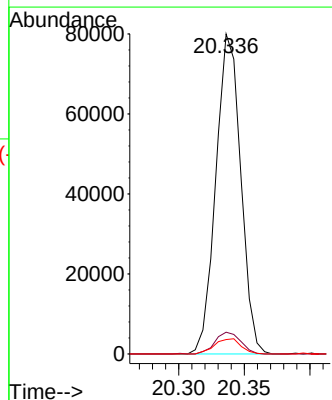
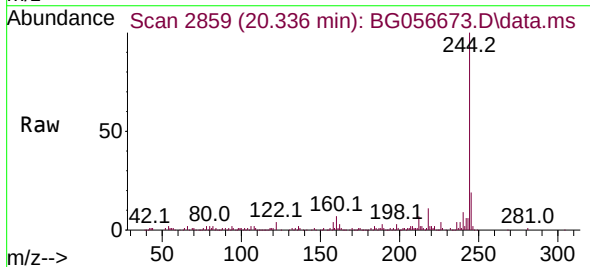
Instrument :
 BNA_G
 ClientSampleId :
 SB-01-0-2.0DL

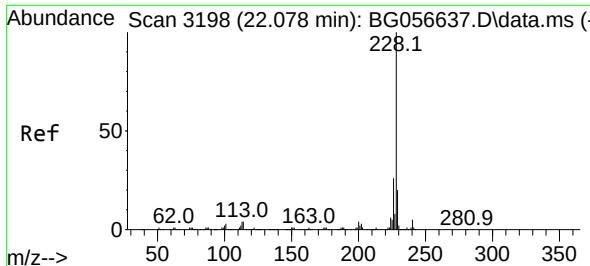
Tgt Ion:202 Resp: 617467
 Ion Ratio Lower Upper
 202 100
 200 20.7 15.8 23.8
 203 18.1 14.2 21.4



#79
 Terphenyl-d14
 Concen: 13.247 ng
 RT: 20.336 min Scan# 2859
 Delta R.T. -0.014 min
 Lab File: BG056673.D
 Acq: 20 Feb 2023 14:38

Tgt Ion:244 Resp: 105486
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 4.5 3.8 5.8

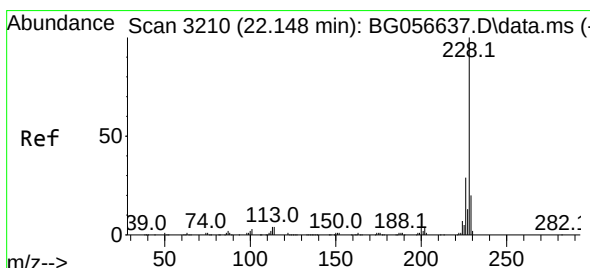
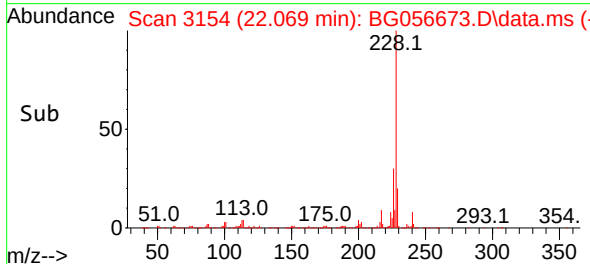
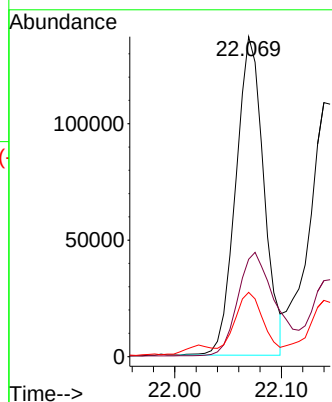
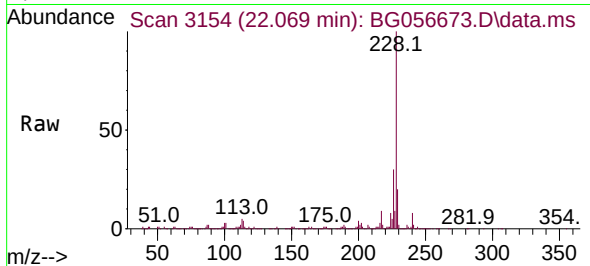




#81
Benzo(a)anthracene
Concen: 25.775 ng
RT: 22.069 min Scan# 3198
Delta R.T. -0.008 min
Lab File: BG056673.D
Acq: 20 Feb 2023 14:38

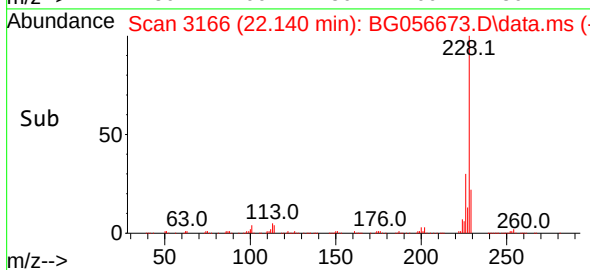
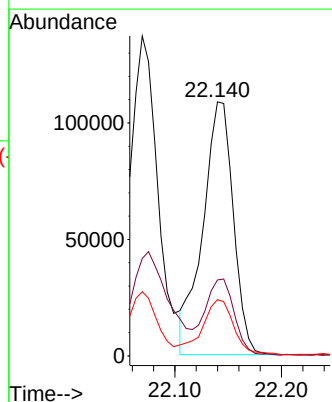
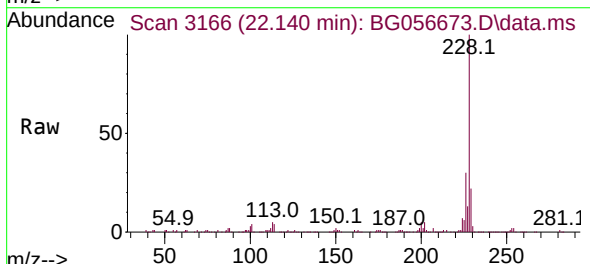
Instrument :
BNA_G
ClientSampleId :
SB-01-0-2.0DL

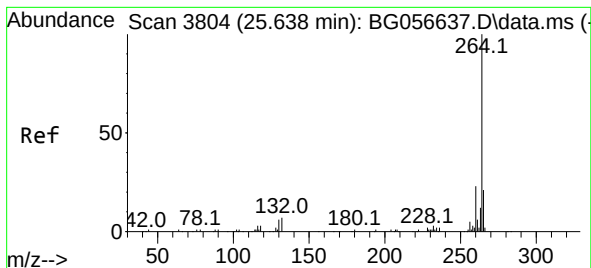
Tgt Ion:228 Resp: 249721
Ion Ratio Lower Upper
228 100
226 30.4 20.4 30.6
229 20.1 16.0 24.0



#83
Chrysene
Concen: 23.927 ng
RT: 22.140 min Scan# 3166
Delta R.T. -0.008 min
Lab File: BG056673.D
Acq: 20 Feb 2023 14:38

Tgt Ion:228 Resp: 216714
Ion Ratio Lower Upper
228 100
226 29.9 23.0 34.6
229 22.2 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.636 min Scan# 31

Delta R.T. -0.002 min

Lab File: BG056673.D

Acq: 20 Feb 2023 14:38

Instrument :

BNA_G

ClientSampleId :

SB-01-0-2.0DL

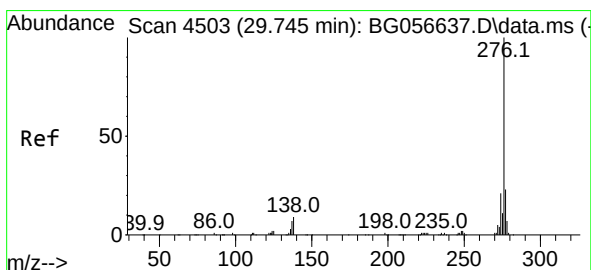
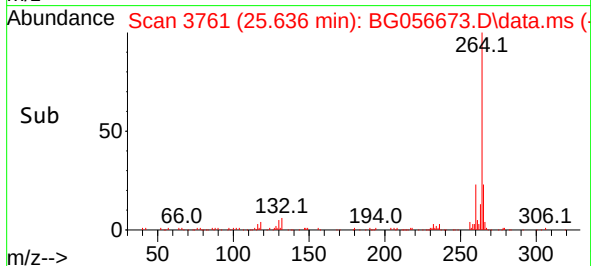
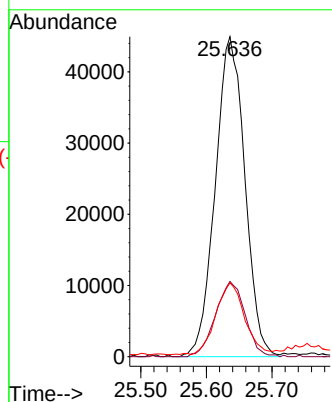
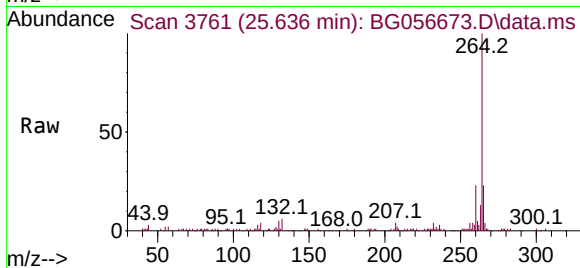
Tgt Ion:264 Resp: 140574

Ion Ratio Lower Upper

264 100

260 23.5 18.6 27.8

265 23.1 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 13.525 ng

RT: 29.719 min Scan# 4456

Delta R.T. -0.026 min

Lab File: BG056673.D

Acq: 20 Feb 2023 14:38

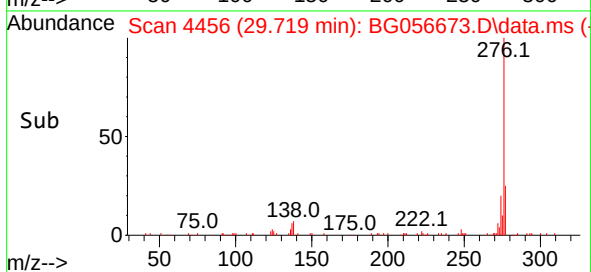
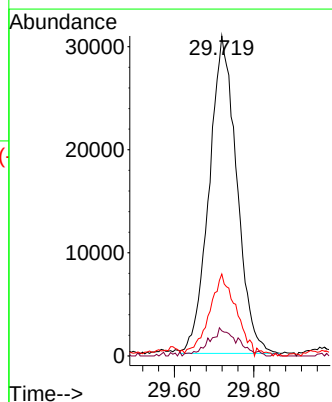
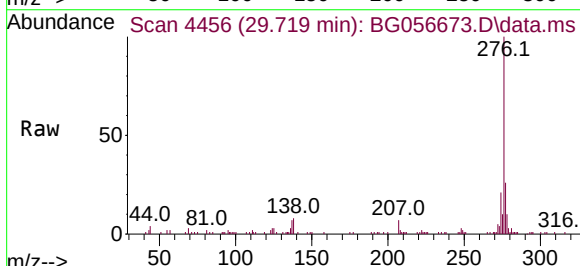
Tgt Ion:276 Resp: 148897

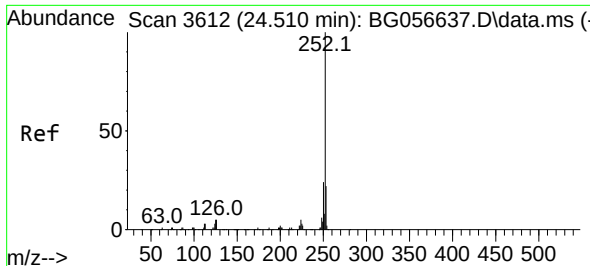
Ion Ratio Lower Upper

276 100

138 7.1 3.8 5.8#

277 25.2 20.3 30.5

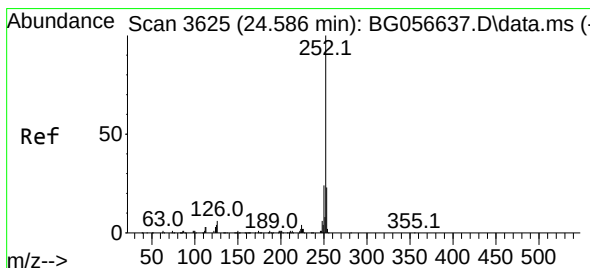
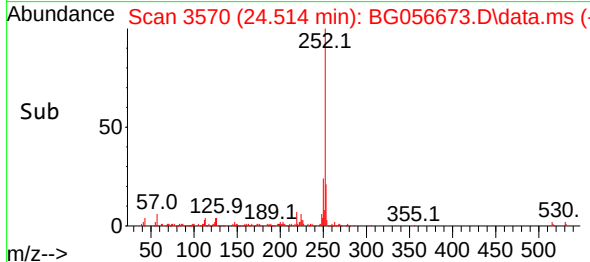
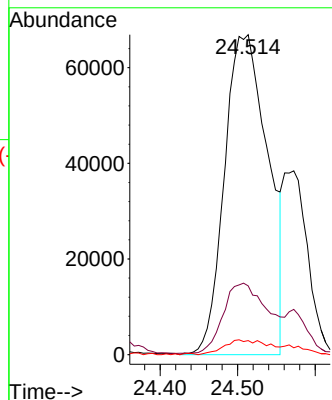
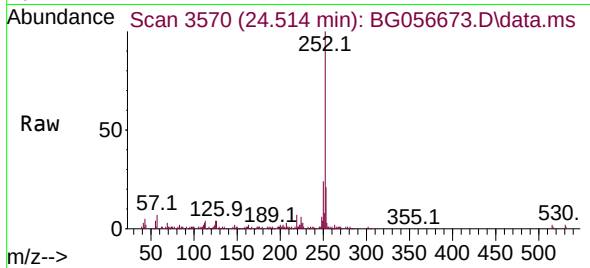




#88
Benzo(b)fluoranthene
Concen: 28.397 ng
RT: 24.514 min Scan# 31
Delta R.T. 0.003 min
Lab File: BG056673.D
Acq: 20 Feb 2023 14:38

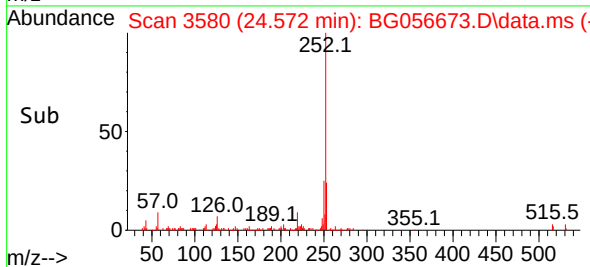
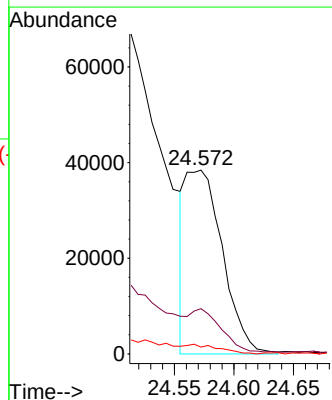
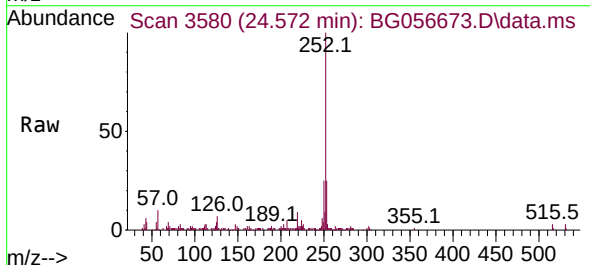
Instrument :
BNA_G
ClientSampleId :
SB-01-0-2.0DL

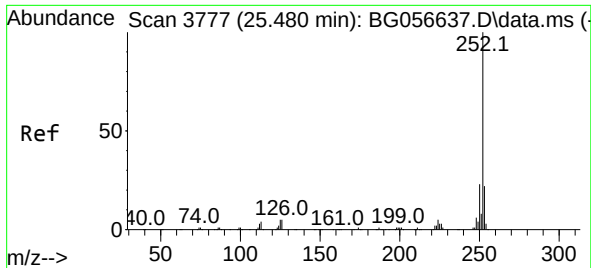
Tgt Ion:252 Resp: 260792
Ion Ratio Lower Upper
252 100
253 21.5 17.3 25.9
125 4.4 3.7 5.5



#89
Benzo(k)fluoranthene
Concen: 9.186 ng m
RT: 24.572 min Scan# 3580
Delta R.T. -0.014 min
Lab File: BG056673.D
Acq: 20 Feb 2023 14:38

Tgt Ion:252 Resp: 82964
Ion Ratio Lower Upper
252 100
253 24.6 18.5 27.7
125 3.7 3.4 5.0

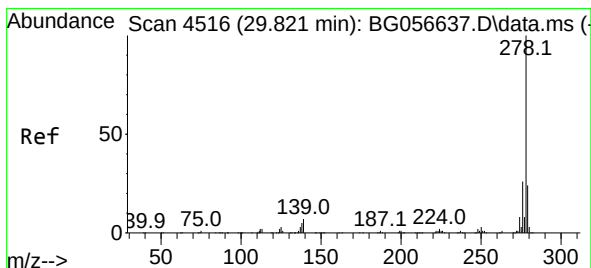
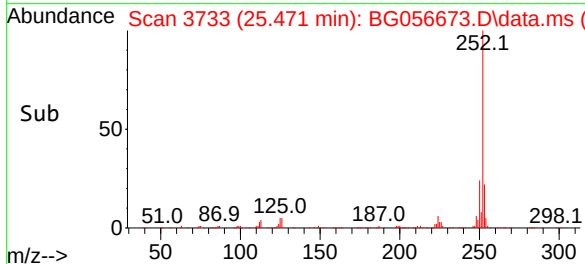
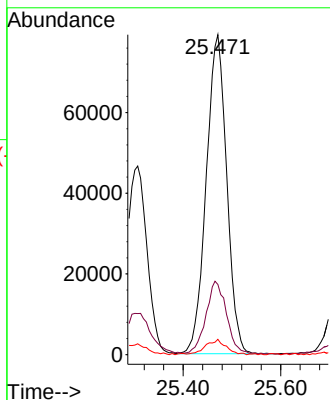
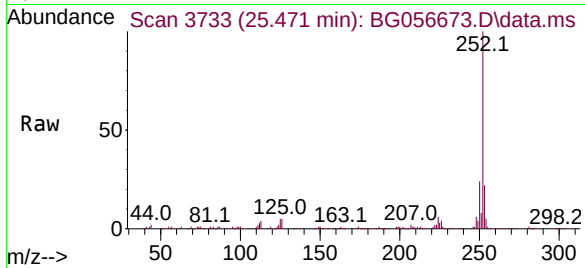




#90
Benzo(a)pyrene
Concen: 26.172 ng
RT: 25.471 min Scan# 31
Delta R.T. -0.008 min
Lab File: BG056673.D
Acq: 20 Feb 2023 14:38

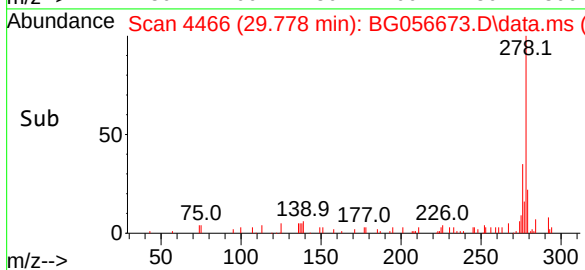
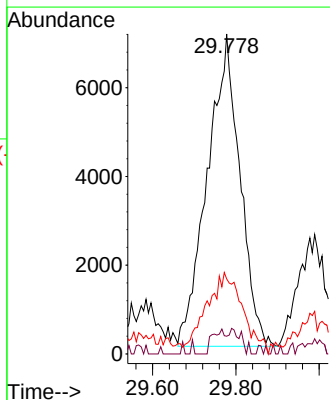
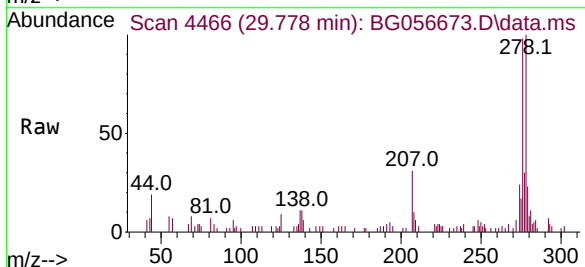
Instrument :
BNA_G
ClientSampleId :
SB-01-0-2.0DL

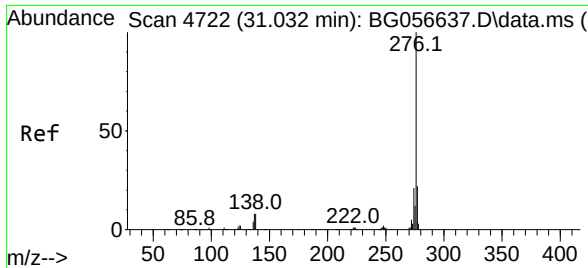
Tgt Ion:252 Resp: 231043
Ion Ratio Lower Upper
252 100
253 21.9 17.9 26.9
125 4.8 4.0 6.0



#91
Dibenzo(a,h)anthracene
Concen: 4.188 ng
RT: 29.778 min Scan# 4466
Delta R.T. -0.043 min
Lab File: BG056673.D
Acq: 20 Feb 2023 14:38

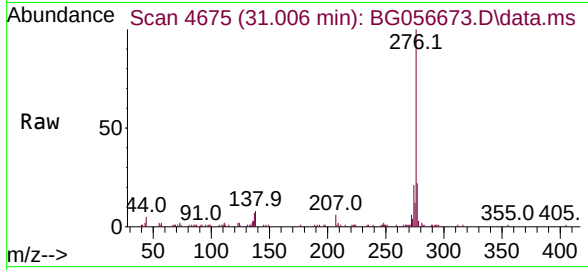
Tgt Ion:278 Resp: 38187
Ion Ratio Lower Upper
278 100
139 5.5 5.8 8.8#
279 23.4 19.6 29.4





#92
 Benzo(g,h,i)perylene
 Concen: 17.479 ng
 RT: 31.006 min Scan# 4675
 Delta R.T. -0.026 min
 Lab File: BG056673.D
 Acq: 20 Feb 2023 14:38

Instrument :
 BNA_G
 ClientSampleId :
 SB-01-0-2.0DL



Tgt Ion:276 Resp: 155730
 Ion Ratio Lower Upper
 276 100
 277 21.8 17.5 26.3
 138 8.3 6.4 9.6

