

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022023\
 Data File : BG056672.D
 Acq On : 20 Feb 2023 13:56
 Operator : CG/JU
 Sample : 01552-05DL 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-03-0-2.0DL

Quant Time: Feb 20 14:34:48 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)

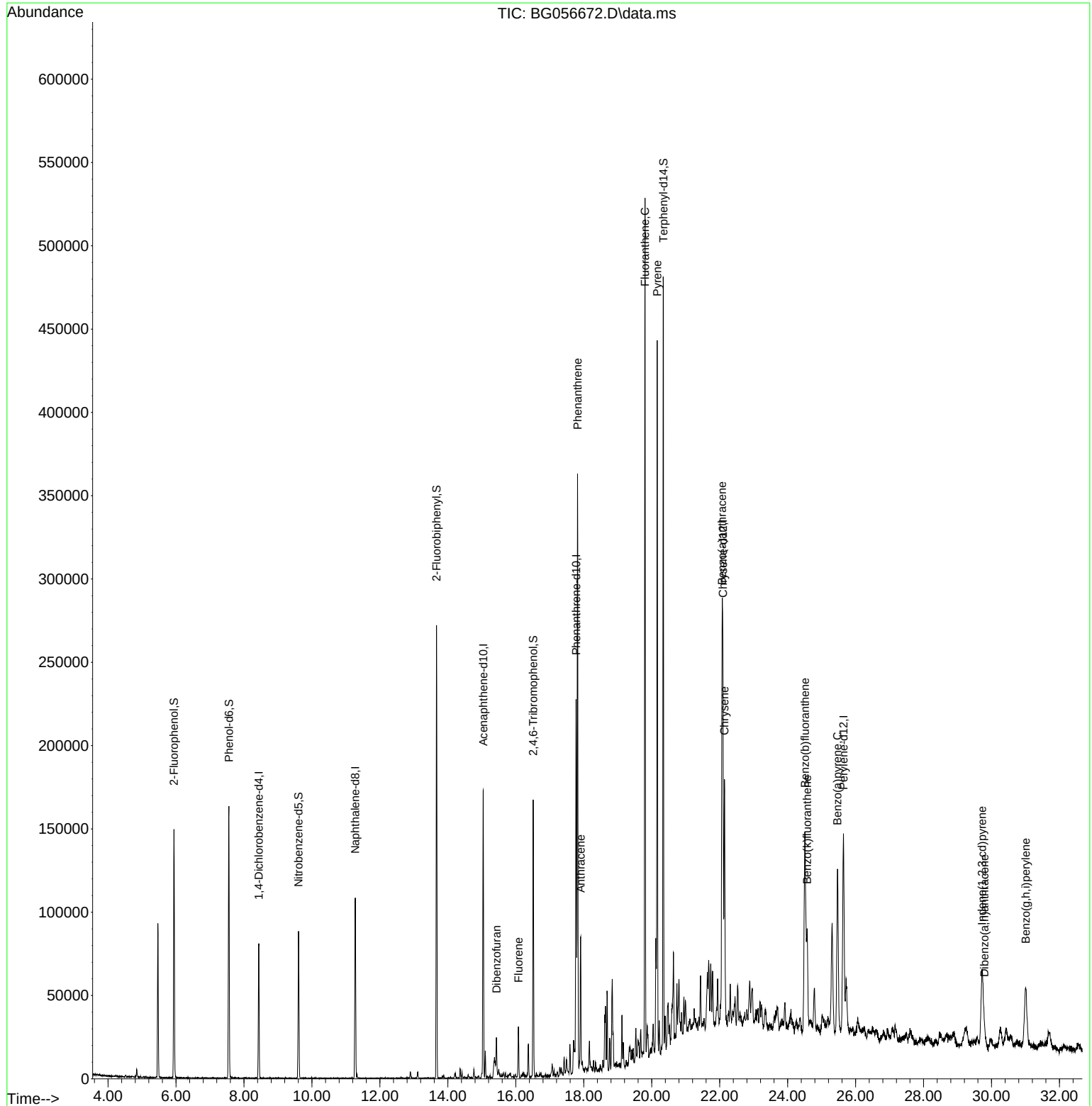
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.439	152	21880	20.000	ng	0.00
21) Naphthalene-d8	11.277	136	88489	20.000	ng	0.00
39) Acenaphthene-d10	15.043	164	63368	20.000	ng	0.00
64) Phenanthrene-d10	17.775	188	139707	20.000	ng	0.00
76) Chrysene-d12	22.093	240	127424	20.000	ng	0.00
86) Perylene-d12	25.642	264	140806	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.942	112	64882	48.248	ng	0.00
7) Phenol-d6	7.557	99	91130	45.877	ng	0.00
23) Nitrobenzene-d5	9.608	82	53445	30.924	ng	0.00
42) 2,4,6-Tribromophenol	16.512	330	32647	37.630	ng	0.00
45) 2-Fluorobiphenyl	13.668	172	138282	29.221	ng	0.00
79) Terphenyl-d14	20.342	244	235133	30.191	ng	0.00
Target Compounds						Qvalue
55) Dibenzofuran	15.430	168	13091	2.035	ng	99
58) Fluorene	16.077	166	13955	2.744	ng	84
71) Phenanthrene	17.816	178	224066	29.479	ng	99
72) Anthracene	17.910	178	56914	7.318	ng	98
75) Fluoranthene	19.802	202	335117	33.415	ng	99
78) Pyrene	20.160	202	278979	28.990	ng	99
81) Benzo(a)anthracene	22.070	228	145734	15.379	ng	98
83) Chrysene	22.140	228	116524	13.153	ng	97
87) Indeno(1,2,3-cd)pyrene	29.720	276	92006	8.343	ng	99
88) Benzo(b)fluoranthene	24.508	252	159659	17.356	ng	99
89) Benzo(k)fluoranthene	24.573	252	62205m	6.876	ng	
90) Benzo(a)pyrene	25.466	252	126047	14.255	ng	97
91) Dibenzo(a,h)anthracene	29.790	278	24165m	2.646	ng	
92) Benzo(g,h,i)perylene	31.006	276	85799	9.614	ng	95

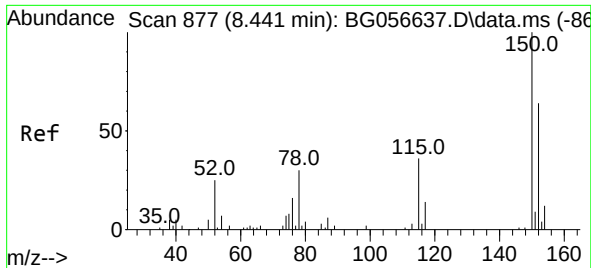
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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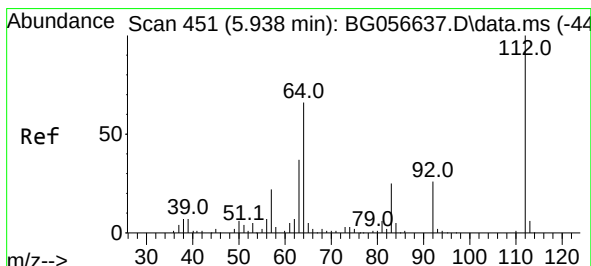
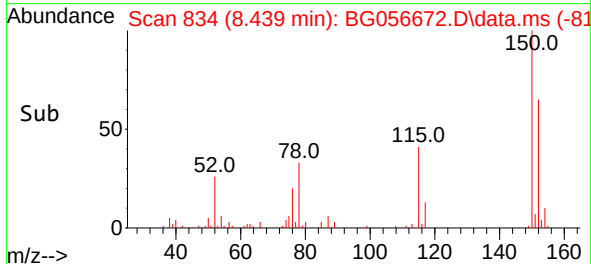
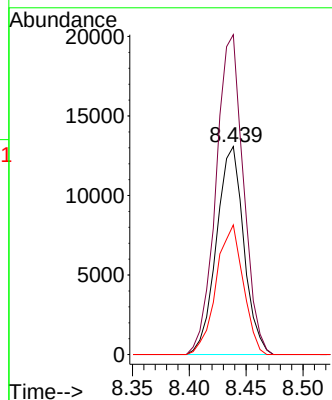
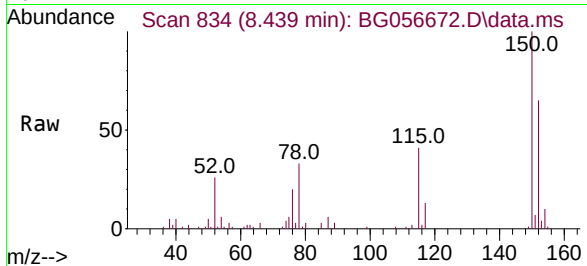




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.439 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG056672.D
Acq: 20 Feb 2023 13:56

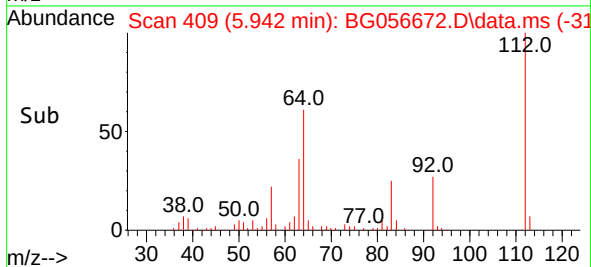
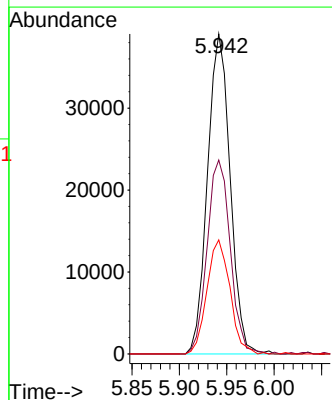
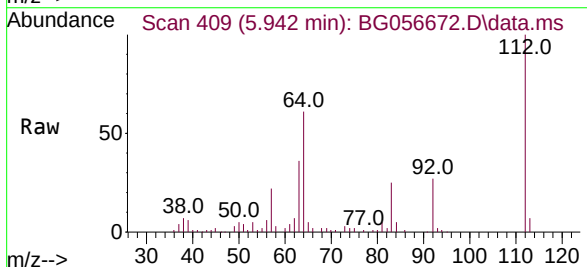
Instrument :
BNA_G
ClientSampleId :
SB-03-0-2.0DL

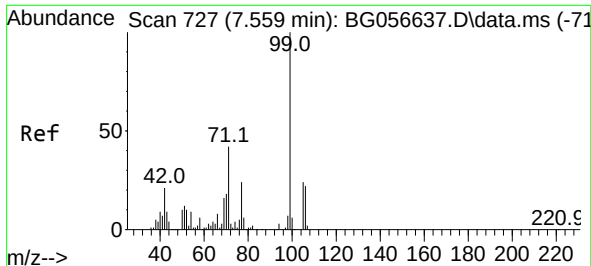
Tgt Ion:152 Resp: 21880
Ion Ratio Lower Upper
152 100
150 153.8 124.8 187.2
115 62.4 44.7 67.1



#5
2-Fluorophenol
Concen: 48.248 ng
RT: 5.942 min Scan# 409
Delta R.T. 0.004 min
Lab File: BG056672.D
Acq: 20 Feb 2023 13:56

Tgt Ion:112 Resp: 64882
Ion Ratio Lower Upper
112 100
64 60.6 52.6 78.8
63 35.6 29.8 44.6

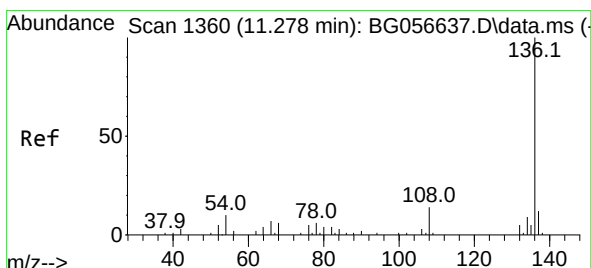
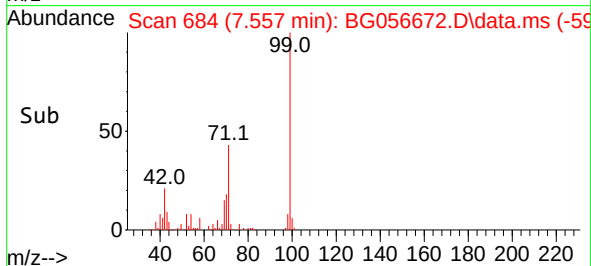
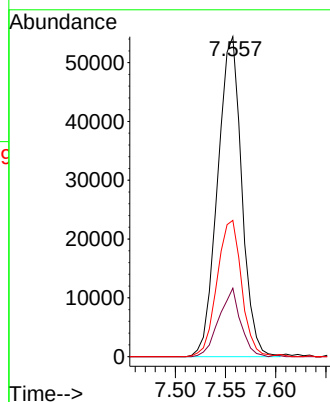
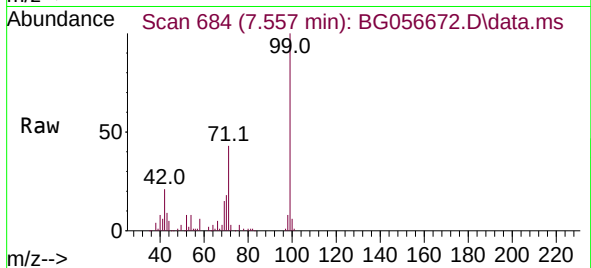




#7
Phenol-d6
Concen: 45.877 ng
RT: 7.557 min Scan# 684
Delta R.T. -0.002 min
Lab File: BG056672.D
Acq: 20 Feb 2023 13:56

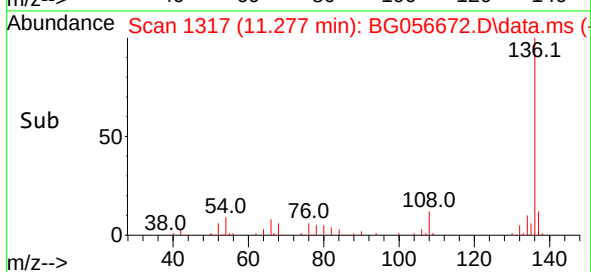
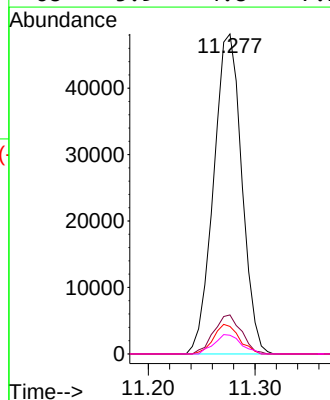
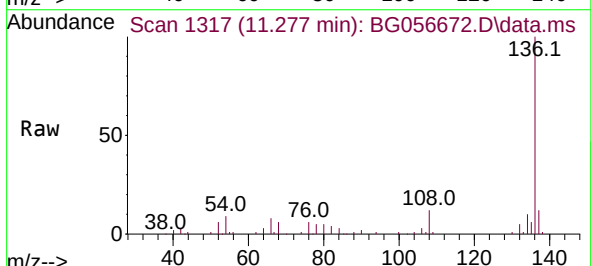
Instrument :
BNA_G
ClientSampleId :
SB-03-0-2.0DL

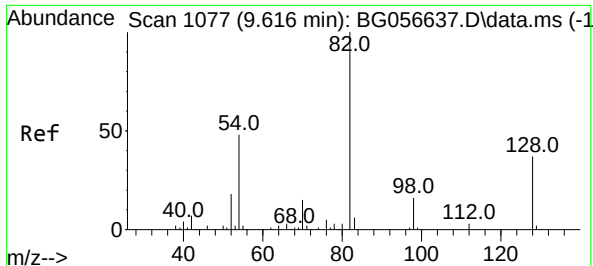
Tgt Ion: 99	Resp: 91130
Ion Ratio	Lower Upper
99 100	
42 21.4	16.8 25.2
71 42.6	33.9 50.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.277 min Scan# 1317
Delta R.T. -0.002 min
Lab File: BG056672.D
Acq: 20 Feb 2023 13:56

Tgt Ion: 136	Resp: 88489
Ion Ratio	Lower Upper
136 100	
137 12.2	9.7 14.5
54 8.6	7.7 11.5
68 5.9	4.8 7.2





#23

Nitrobenzene-d5

Concen: 30.924 ng

RT: 9.608 min Scan# 1077

Delta R.T. -0.008 min

Lab File: BG056672.D

Acq: 20 Feb 2023 13:56

Instrument :

BNA_G

ClientSampleId :

SB-03-0-2.0DL

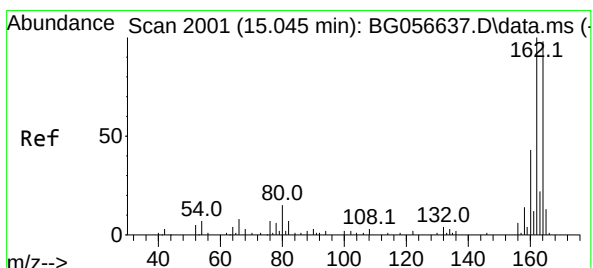
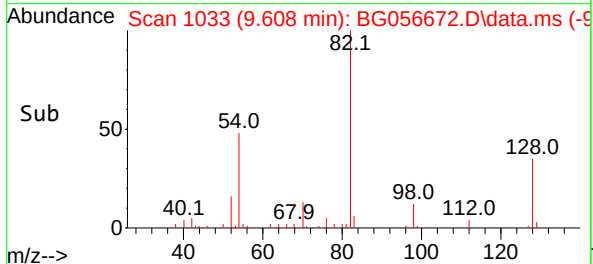
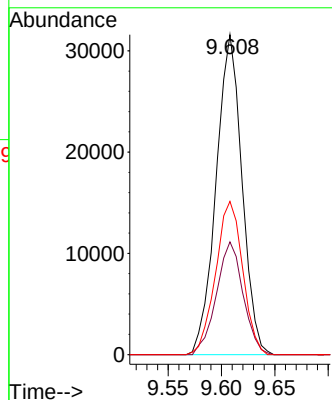
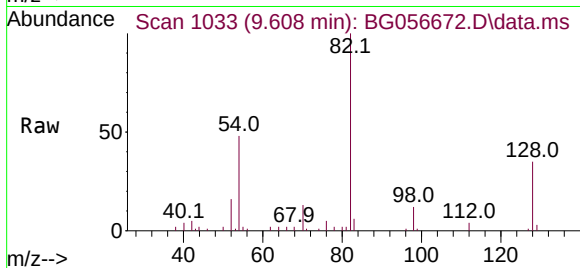
Tgt Ion: 82 Resp: 53445

Ion Ratio Lower Upper

82 100

128 35.2 29.4 44.2

54 47.9 37.8 56.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.043 min Scan# 1958

Delta R.T. -0.002 min

Lab File: BG056672.D

Acq: 20 Feb 2023 13:56

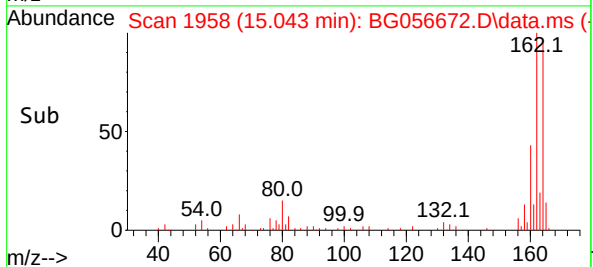
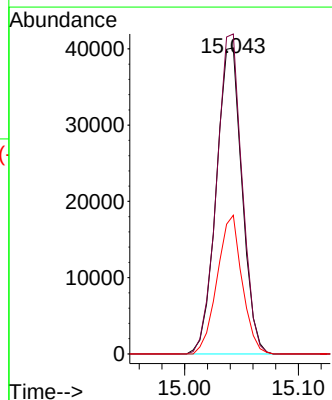
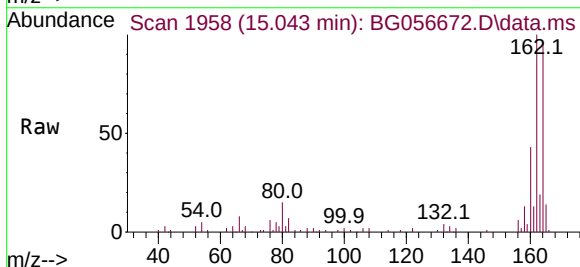
Tgt Ion: 164 Resp: 63368

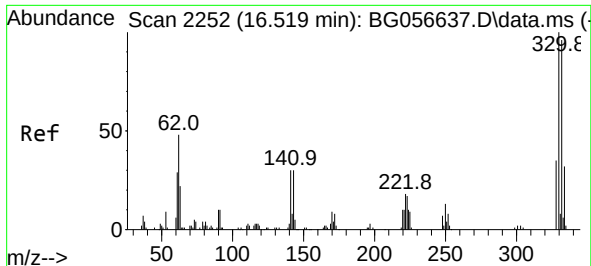
Ion Ratio Lower Upper

164 100

162 104.6 81.3 121.9

160 45.3 35.2 52.8

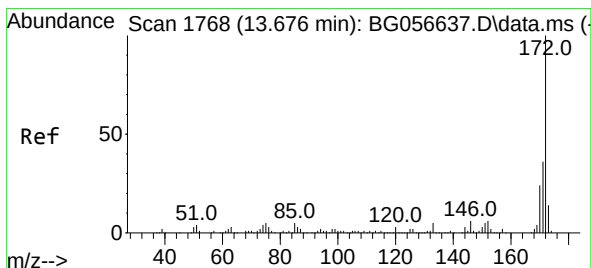
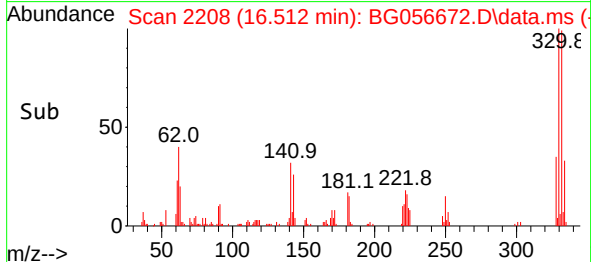
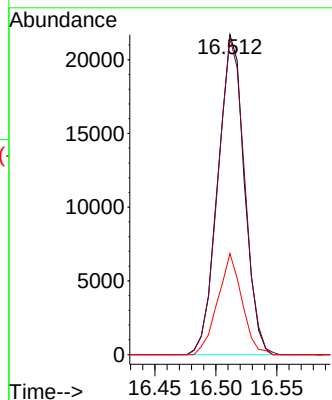
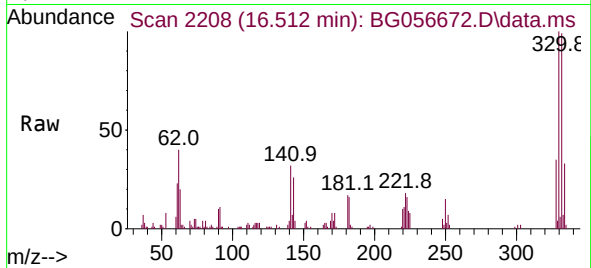




#42
2,4,6-Tribromophenol
Concen: 37.630 ng
RT: 16.512 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG056672.D
Acq: 20 Feb 2023 13:56

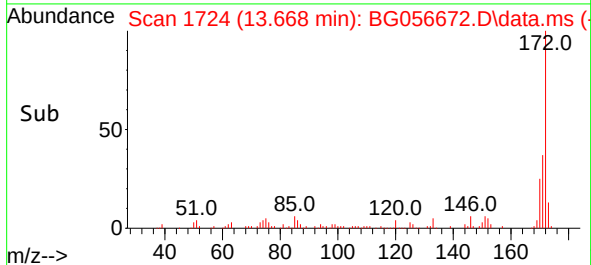
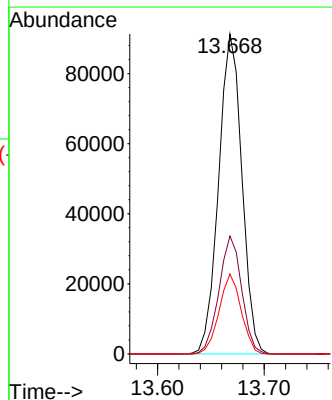
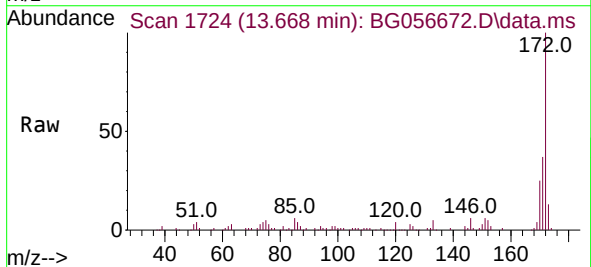
Instrument :
BNA_G
ClientSampleId :
SB-03-0-2.0DL

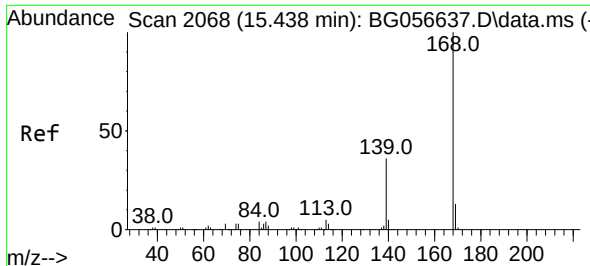
Tgt Ion:330 Resp: 32647
Ion Ratio Lower Upper
330 100
332 100.0 75.7 113.5
141 29.0 24.6 37.0



#45
2-Fluorobiphenyl
Concen: 29.221 ng
RT: 13.668 min Scan# 1724
Delta R.T. -0.008 min
Lab File: BG056672.D
Acq: 20 Feb 2023 13:56

Tgt Ion:172 Resp: 138282
Ion Ratio Lower Upper
172 100
171 36.8 28.6 43.0
170 24.9 19.4 29.0

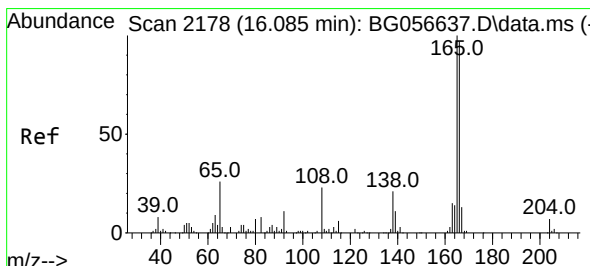
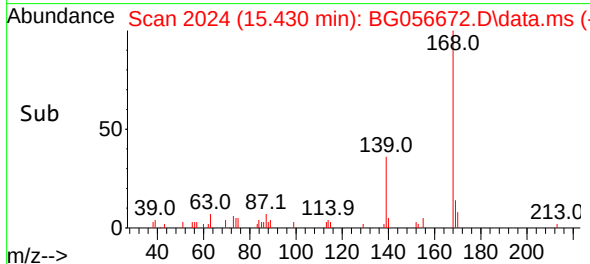
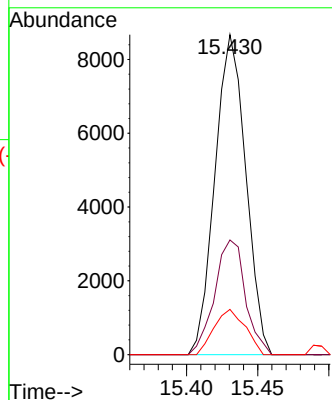
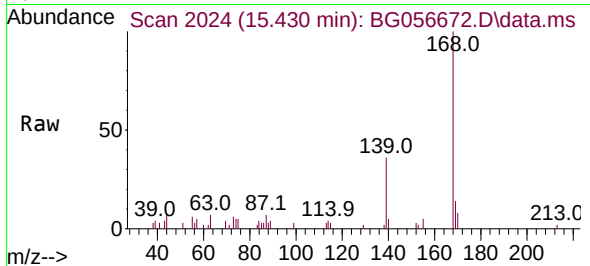




#55
Dibenzenofuran
Concen: 2.035 ng
RT: 15.430 min Scan# 2068
Delta R.T. -0.008 min
Lab File: BG056672.D
Acq: 20 Feb 2023 13:56

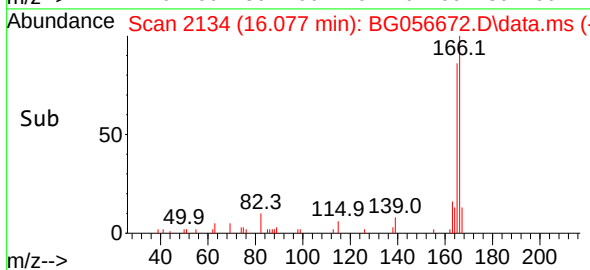
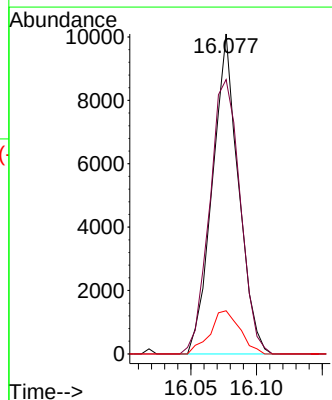
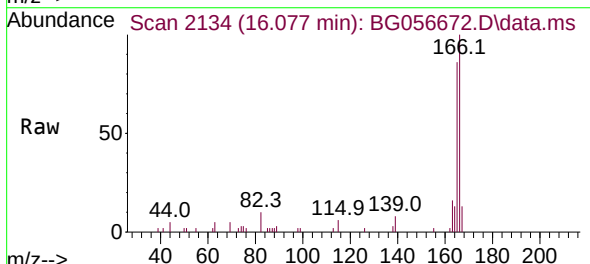
Instrument :
BNA_G
ClientSampleId :
SB-03-0-2.0DL

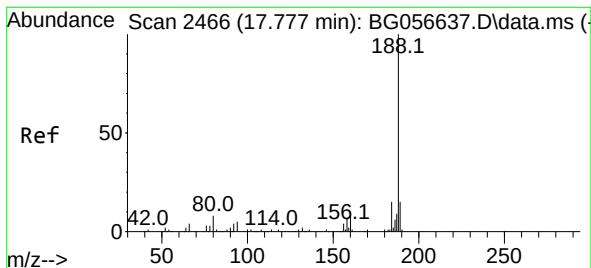
Tgt Ion:168 Resp: 13091
Ion Ratio Lower Upper
168 100
139 35.8 29.0 43.6
169 14.1 10.7 16.1



#58
Fluorene
Concen: 2.744 ng
RT: 16.077 min Scan# 2134
Delta R.T. -0.008 min
Lab File: BG056672.D
Acq: 20 Feb 2023 13:56

Tgt Ion:166 Resp: 13955
Ion Ratio Lower Upper
166 100
165 85.7 82.9 124.3
167 13.5 11.1 16.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.775 min Scan# 24

Delta R.T. -0.002 min

Lab File: BG056672.D

Acq: 20 Feb 2023 13:56

Instrument :

BNA_G

ClientSampleId :

SB-03-0-2.0DL

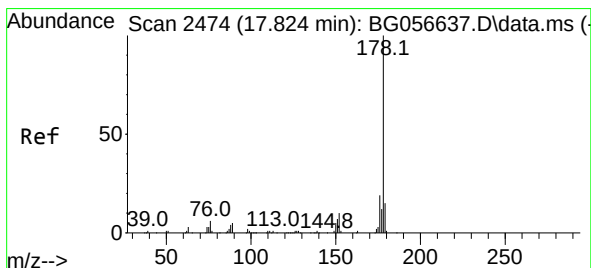
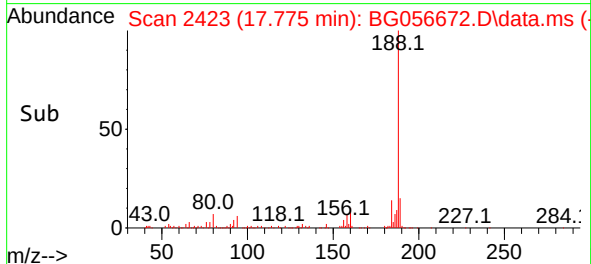
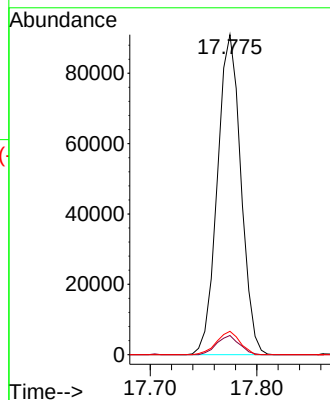
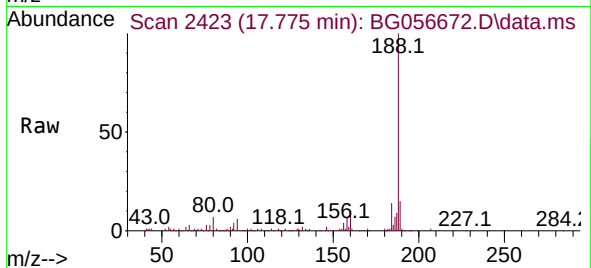
Tgt Ion:188 Resp: 139707

Ion Ratio Lower Upper

188 100

94 6.0 4.0 6.0

80 7.3 6.3 9.5



#71

Phenanthrene

Concen: 29.479 ng

RT: 17.816 min Scan# 2430

Delta R.T. -0.008 min

Lab File: BG056672.D

Acq: 20 Feb 2023 13:56

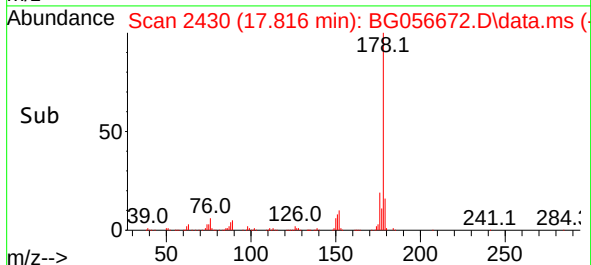
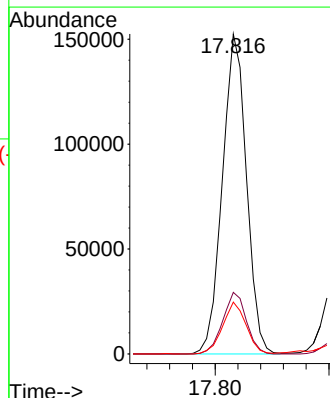
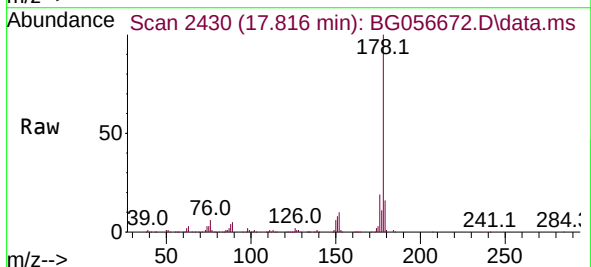
Tgt Ion:178 Resp: 224066

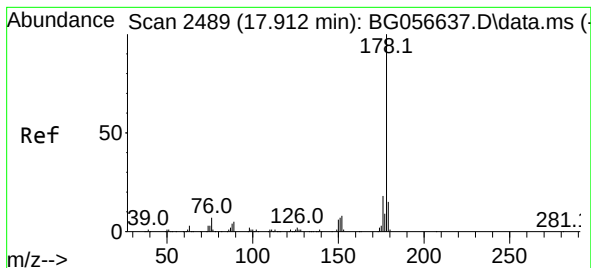
Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

179 16.2 12.2 18.4





#72

Anthracene

Concen: 7.318 ng

RT: 17.910 min Scan# 24

Delta R.T. -0.002 min

Lab File: BG056672.D

Acq: 20 Feb 2023 13:56

Instrument :

BNA_G

ClientSampleId :

SB-03-0-2.0DL

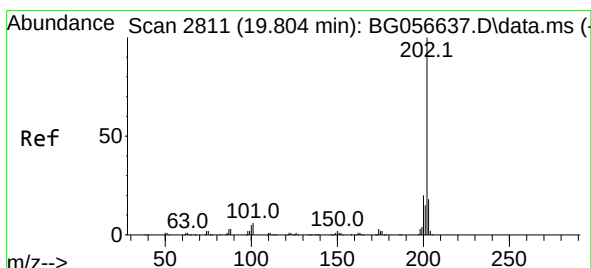
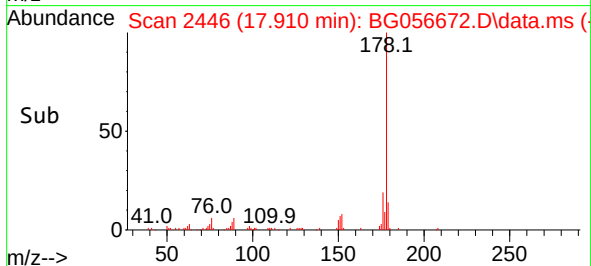
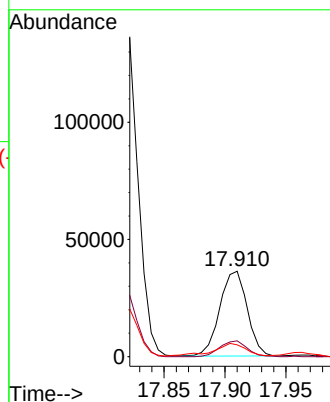
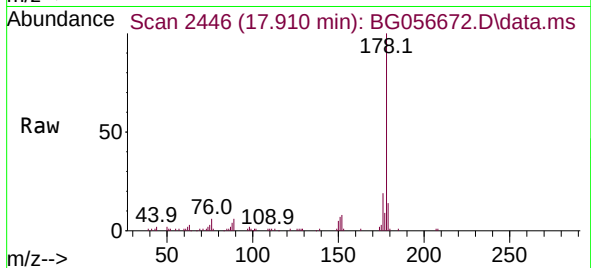
Tgt Ion:178 Resp: 56914

Ion Ratio Lower Upper

178 100

176 18.5 14.3 21.5

179 13.7 12.2 18.4



#75

Fluoranthene

Concen: 33.415 ng

RT: 19.802 min Scan# 2768

Delta R.T. -0.002 min

Lab File: BG056672.D

Acq: 20 Feb 2023 13:56

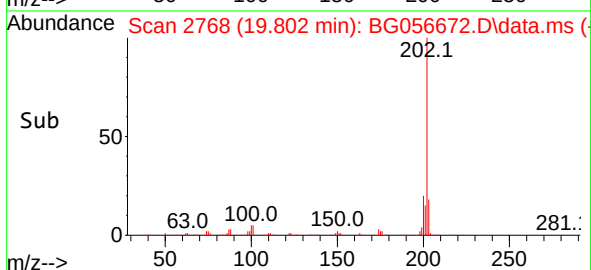
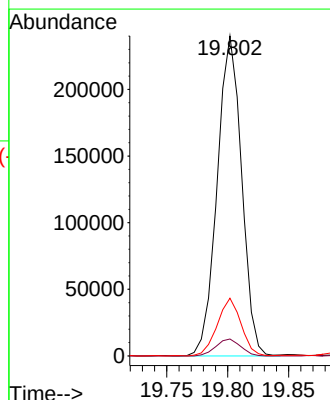
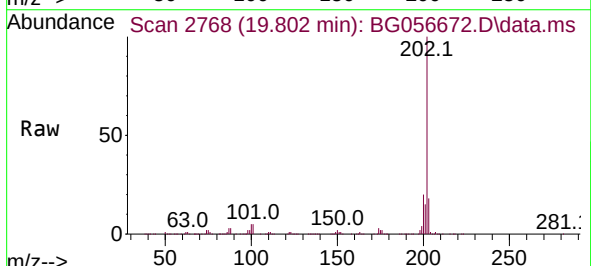
Tgt Ion:202 Resp: 335117

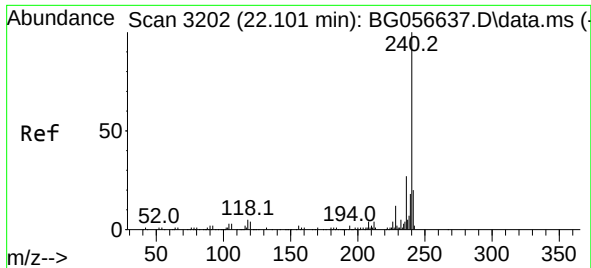
Ion Ratio Lower Upper

202 100

101 5.3 0.0 25.8

203 18.0 0.0 37.6

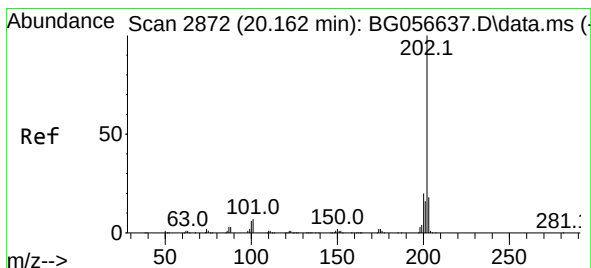
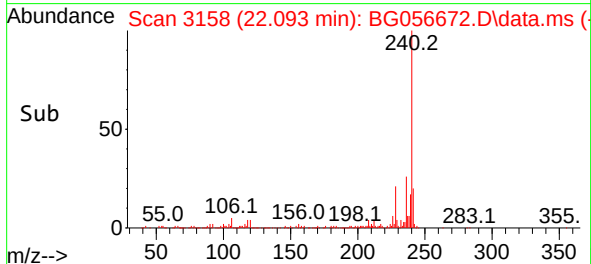
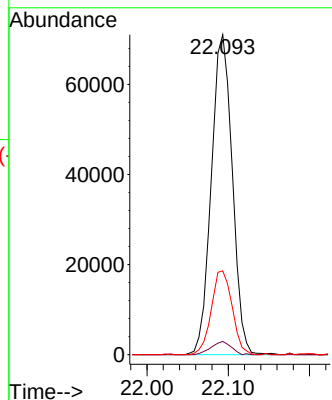
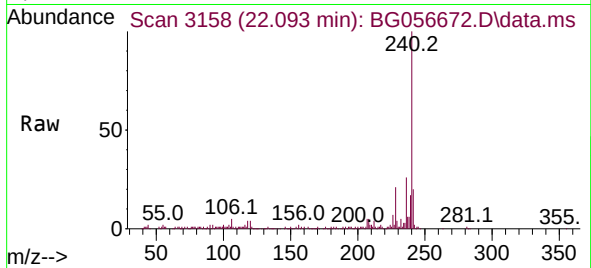




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.093 min Scan# 31
Delta R.T. -0.008 min
Lab File: BG056672.D
Acq: 20 Feb 2023 13:56

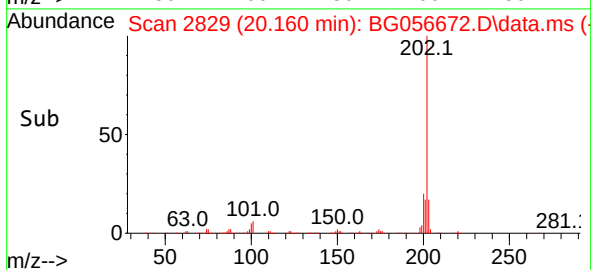
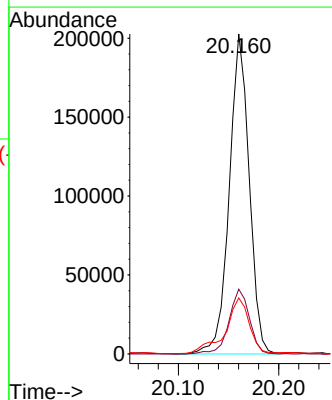
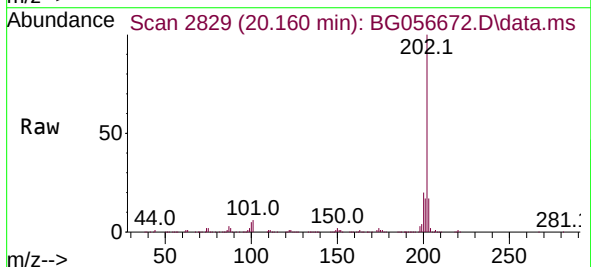
Instrument :
BNA_G
ClientSampleId :
SB-03-0-2.0DL

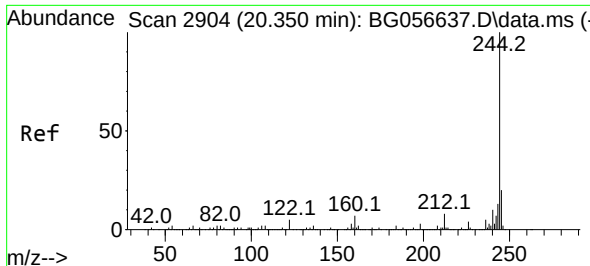
Tgt Ion:240 Resp: 127424
Ion Ratio Lower Upper
240 100
120 4.1 3.5 5.3
236 26.2 21.5 32.3



#78
Pyrene
Concen: 28.990 ng
RT: 20.160 min Scan# 2829
Delta R.T. -0.002 min
Lab File: BG056672.D
Acq: 20 Feb 2023 13:56

Tgt Ion:202 Resp: 278979
Ion Ratio Lower Upper
202 100
200 20.2 15.8 23.8
203 17.5 14.2 21.4

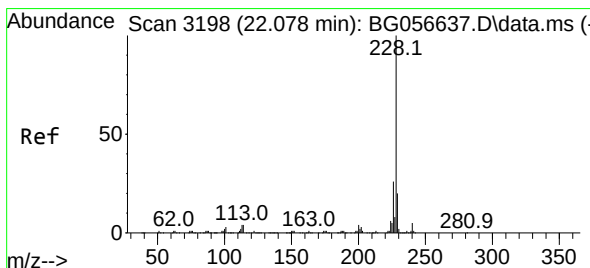
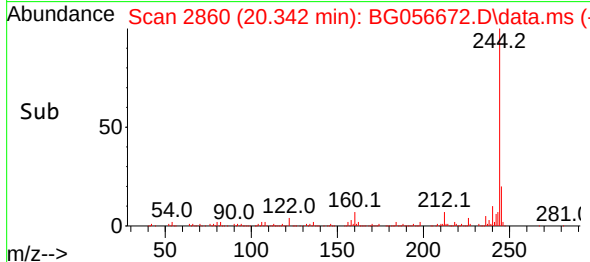
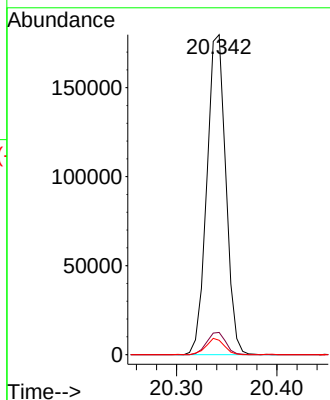
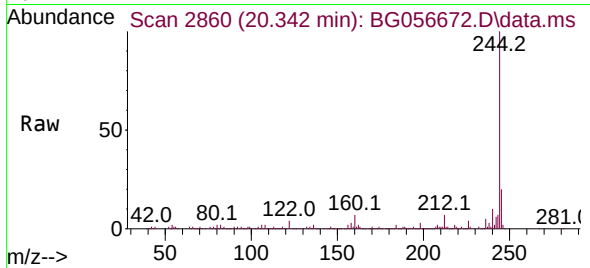




#79
 Terphenyl-d14
 Concen: 30.191 ng
 RT: 20.342 min Scan# 2860
 Delta R.T. -0.008 min
 Lab File: BG056672.D
 Acq: 20 Feb 2023 13:56

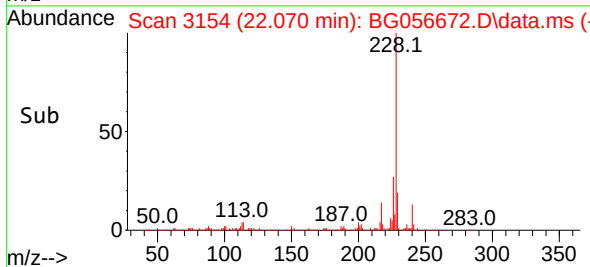
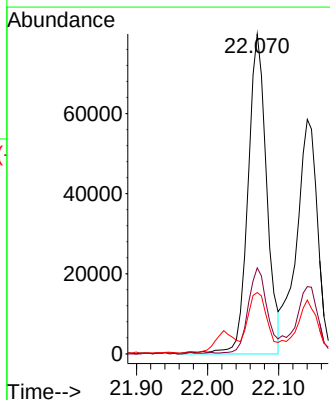
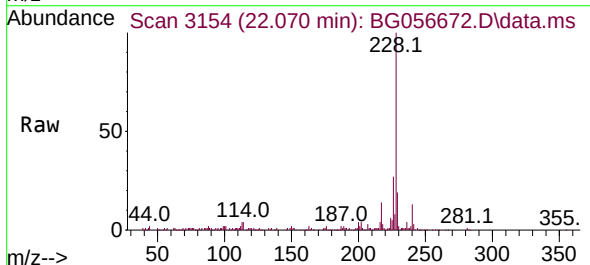
Instrument :
 BNA_G
 ClientSampleId :
 SB-03-0-2.0DL

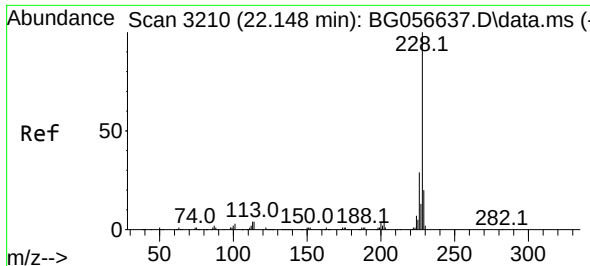
Tgt Ion:244 Resp: 235133
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 4.5 3.8 5.8



#81
 Benzo(a)anthracene
 Concen: 15.379 ng
 RT: 22.070 min Scan# 3154
 Delta R.T. -0.008 min
 Lab File: BG056672.D
 Acq: 20 Feb 2023 13:56

Tgt Ion:228 Resp: 145734
 Ion Ratio Lower Upper
 228 100
 226 26.9 20.4 30.6
 229 19.2 16.0 24.0





#83

Chrysene

Concen: 13.153 ng

RT: 22.140 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG056672.D

Acq: 20 Feb 2023 13:56

Instrument :

BNA_G

ClientSampleId :

SB-03-0-2.0DL

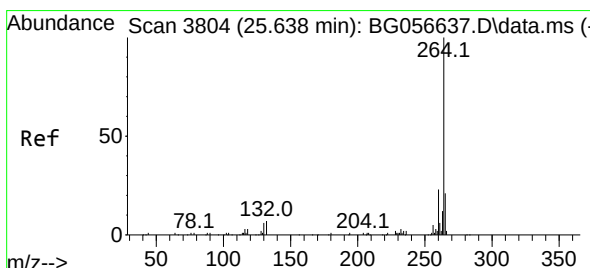
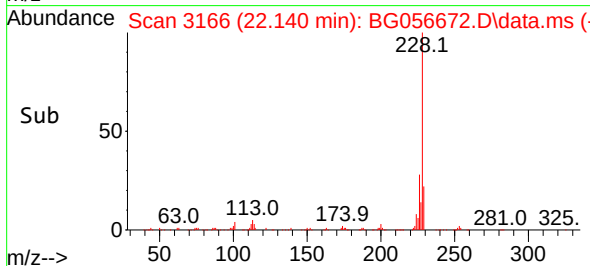
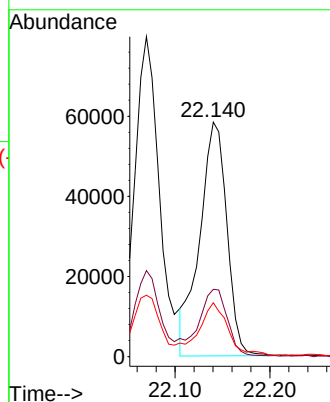
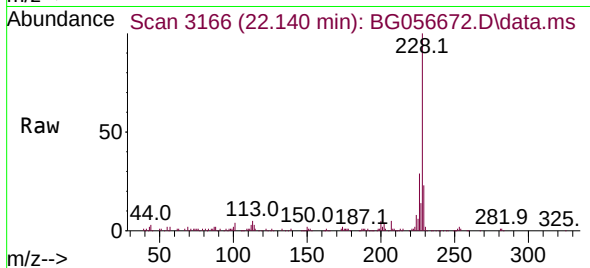
Tgt Ion:228 Resp: 116524

Ion Ratio Lower Upper

228 100

226 28.7 23.0 34.6

229 23.0 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.642 min Scan# 3762

Delta R.T. 0.004 min

Lab File: BG056672.D

Acq: 20 Feb 2023 13:56

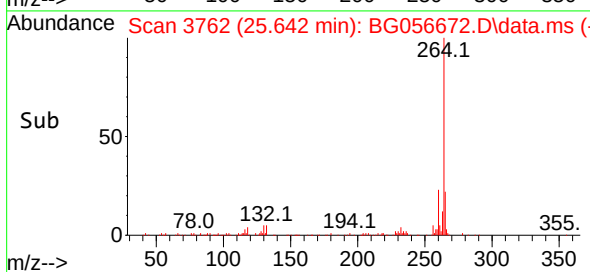
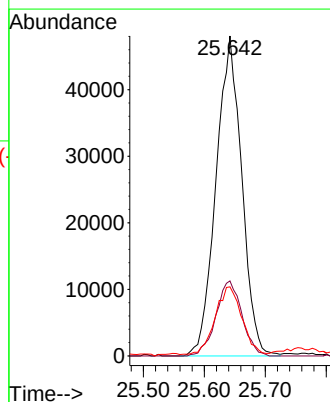
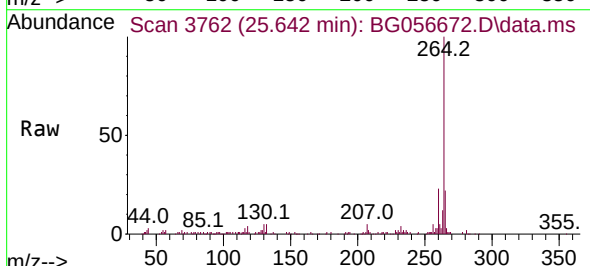
Tgt Ion:264 Resp: 140806

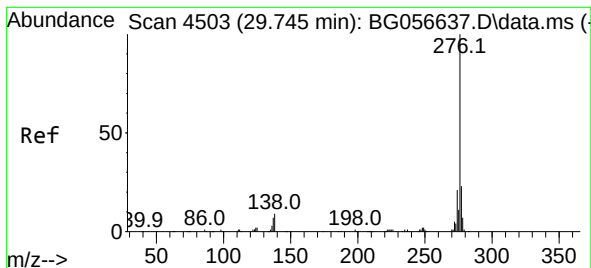
Ion Ratio Lower Upper

264 100

260 23.4 18.6 27.8

265 21.6 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.343 ng

RT: 29.720 min Scan# 4456

Delta R.T. -0.025 min

Lab File: BG056672.D

Acq: 20 Feb 2023 13:56

Instrument :

BNA_G

ClientSampleId :

SB-03-0-2.0DL

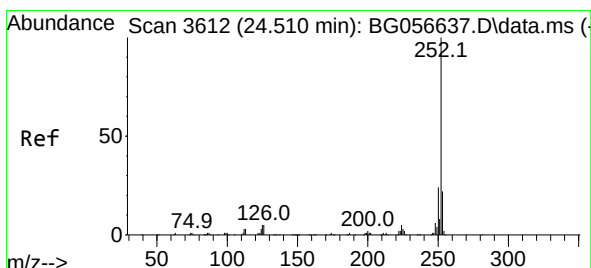
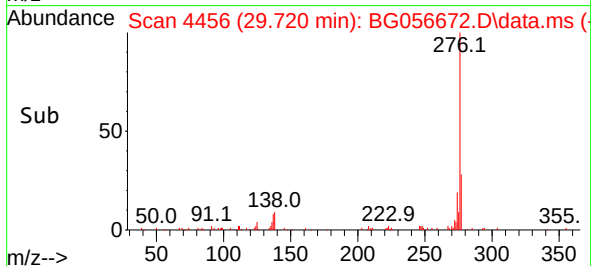
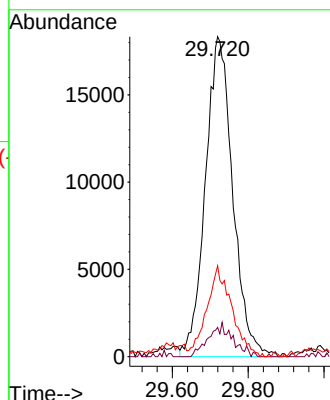
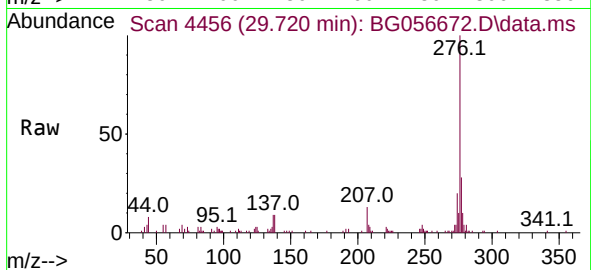
Tgt Ion:276 Resp: 92006

Ion Ratio Lower Upper

276 100

138 4.6 3.8 5.8

277 25.9 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 17.356 ng

RT: 24.508 min Scan# 3569

Delta R.T. -0.002 min

Lab File: BG056672.D

Acq: 20 Feb 2023 13:56

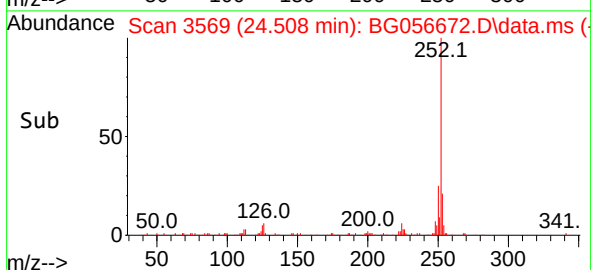
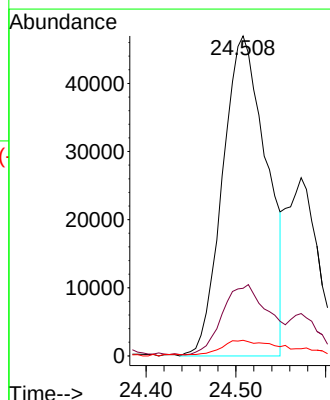
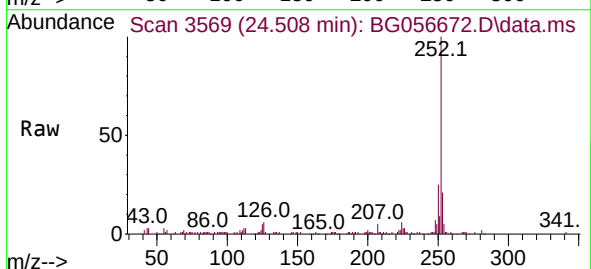
Tgt Ion:252 Resp: 159659

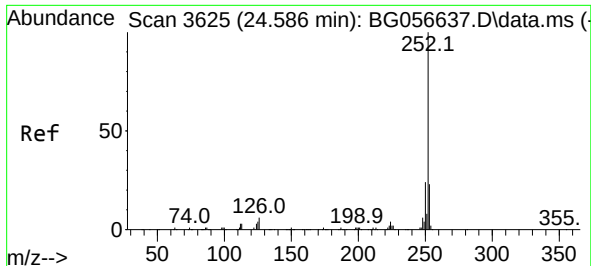
Ion Ratio Lower Upper

252 100

253 21.1 17.3 25.9

125 4.9 3.7 5.5

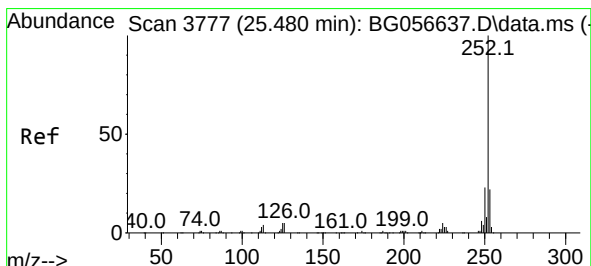
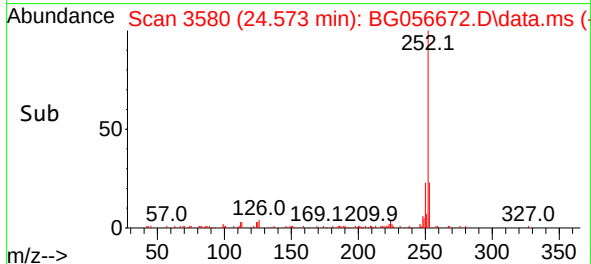
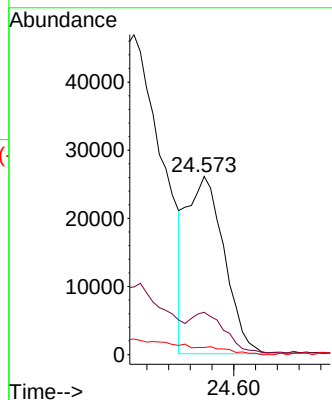
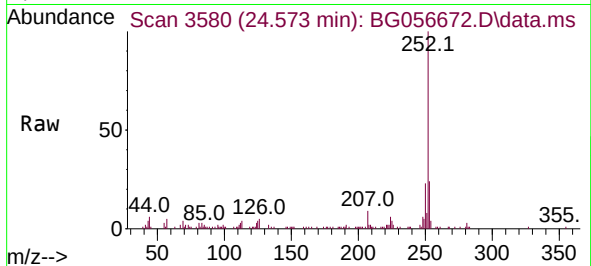




#89
Benzo(k)fluoranthene
Concen: 6.876 ng m
RT: 24.573 min Scan# 31
Delta R.T. -0.014 min
Lab File: BG056672.D
Acq: 20 Feb 2023 13:56

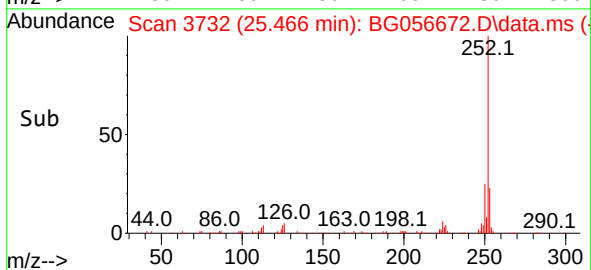
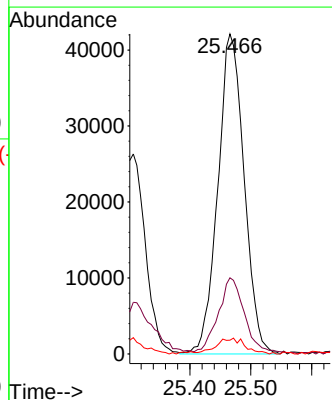
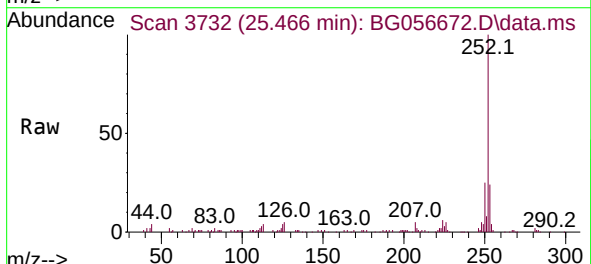
Instrument :
BNA_G
ClientSampleId :
SB-03-0-2.0DL

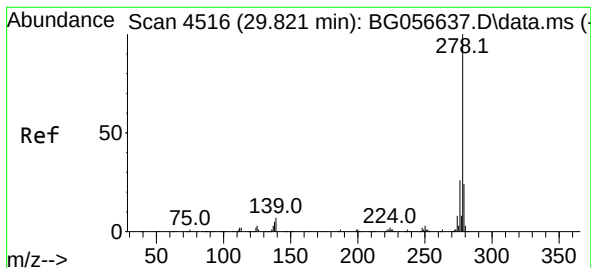
Tgt Ion:252 Resp: 62205
Ion Ratio Lower Upper
252 100
253 23.8 18.5 27.7
125 4.0 3.4 5.0



#90
Benzo(a)pyrene
Concen: 14.255 ng
RT: 25.466 min Scan# 3732
Delta R.T. -0.014 min
Lab File: BG056672.D
Acq: 20 Feb 2023 13:56

Tgt Ion:252 Resp: 126047
Ion Ratio Lower Upper
252 100
253 23.8 17.9 26.9
125 4.3 4.0 6.0





#91

Dibenzo(a,h)anthracene

Concen: 2.646 ng m

RT: 29.790 min Scan# 4468

Delta R.T. -0.031 min

Lab File: BG056672.D

Acq: 20 Feb 2023 13:56

Instrument :

BNA_G

ClientSampleId :

SB-03-0-2.0DL

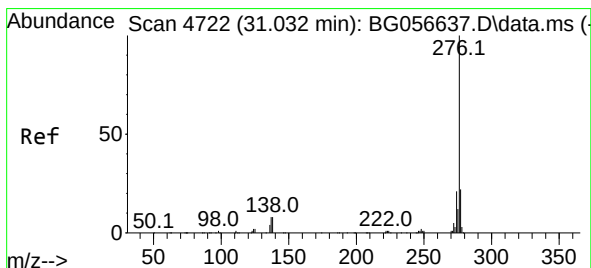
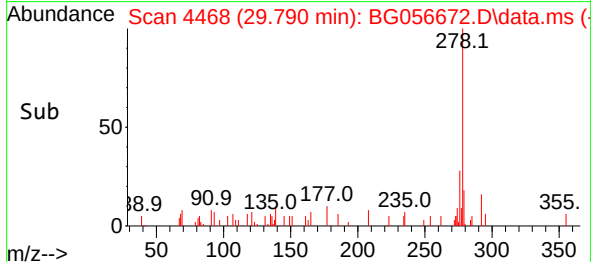
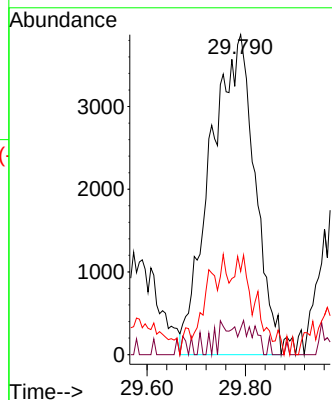
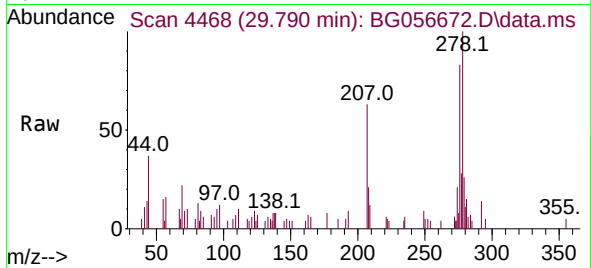
Tgt Ion:278 Resp: 24165

Ion Ratio Lower Upper

278 100

139 8.1 5.8 8.8

279 26.0 19.6 29.4



#92

Benzo(g,h,i)perylene

Concen: 9.614 ng

RT: 31.006 min Scan# 4675

Delta R.T. -0.025 min

Lab File: BG056672.D

Acq: 20 Feb 2023 13:56

Tgt Ion:276 Resp: 85799

Ion Ratio Lower Upper

276 100

277 24.3 17.5 26.3

138 9.1 6.4 9.6

