

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

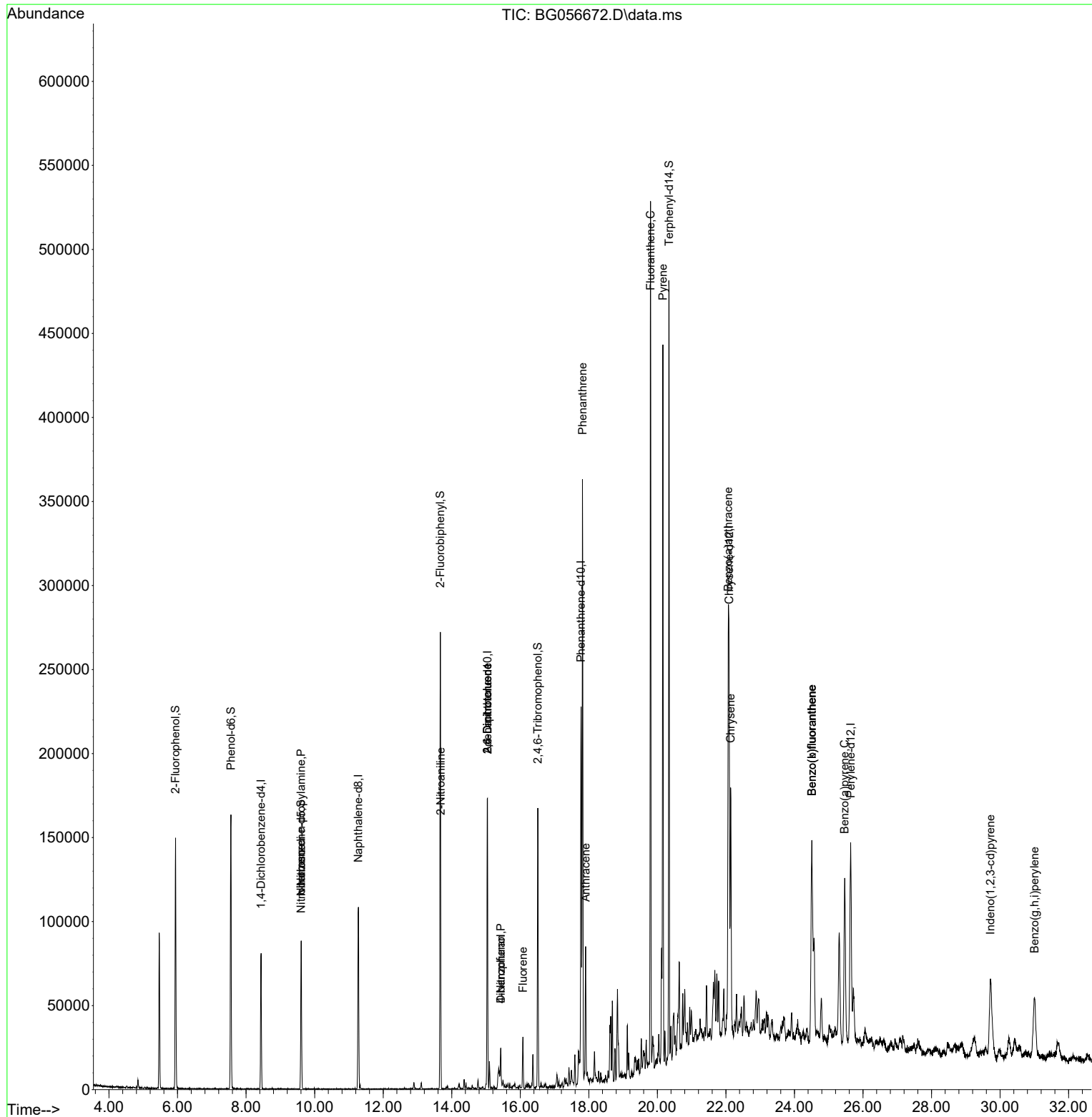
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.439	152	21880	20.000	ng	0.00
21) Naphthalene-d8	11.277	136	88489	20.000	ng	0.00
39) Acenaphthene-d10	15.043	164	63368	20.000	ng	0.00
64) Phenanthrene-d10	17.775	188	139707	20.000	ng	0.00
76) Chrysene-d12	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						
19) n-Nitroso-di-n-propyla...	9.608	70	6926	4.657	ng	# 74
24) Nitrobenzene	9.602	77	60	2.716	ng	# 43
48) 2-Nitroaniline	13.680	65	54	5.290	ng	# 1
51) 2,6-Dinitrotoluene	15.043	165	8682	10.668	ng	# 21
55) Dibenzofuran	15.430	168	13091	2.035	ng	99
56) 4-Nitrophenol	15.430	139	4693	6.024	ng	# 1
57) 2,4-Dinitrotoluene	15.043	165	8682	6.796	ng	# 24
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	24.508	252	159659	17.650	ng	96
90) Benzo(a)pyrene	25.466	252	126047	14.255	ng	97
92) Benzo(g,h,i)perylene	31.006	276	85799	9.614	ng	95

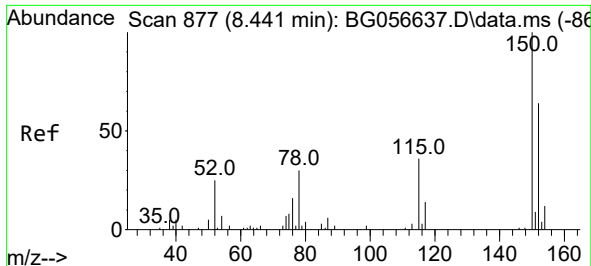
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Feb 16 01:33:33 2023
Response via : Initial Calibration

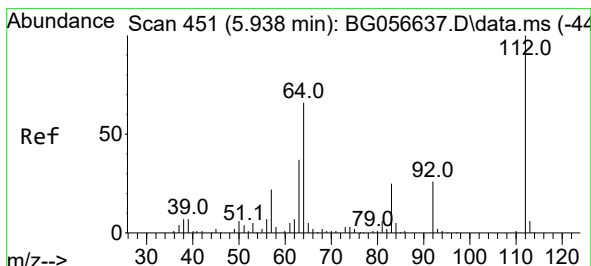
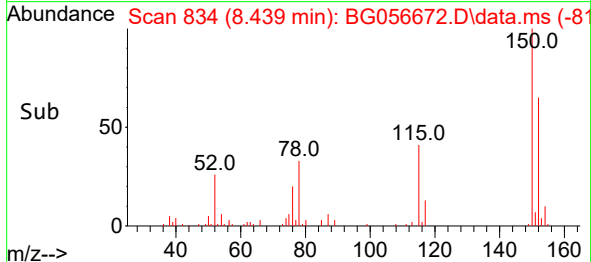
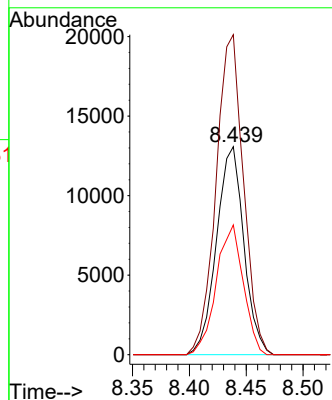
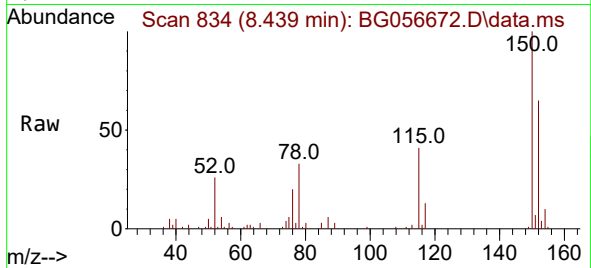




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.439 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG056672.D
Acq: 20 Feb 2023 13:56

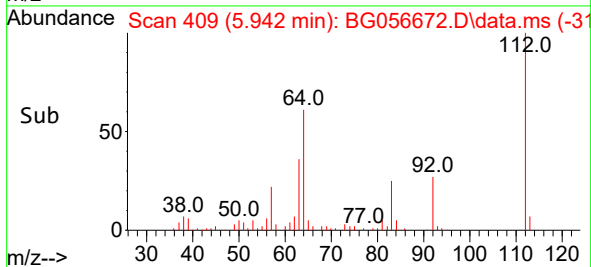
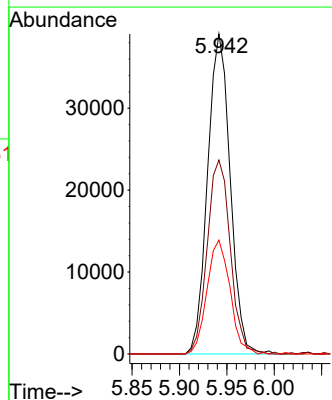
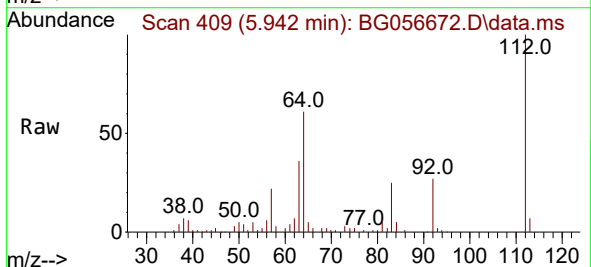
Instrument :
BNA_G
ClientSampleId :
SB-03-0-2.0DL

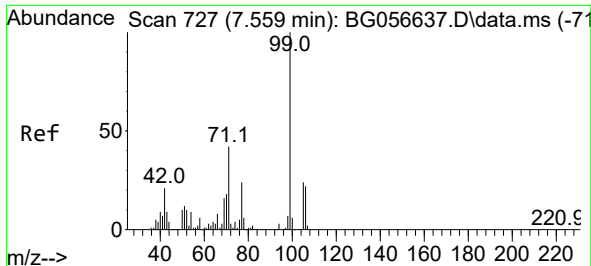
Tgt Ion:152 Resp: 21880
Ion Ratio Lower Upper
152 100
150 153.8 124.8 187.2
115 62.4 44.7 67.1



#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

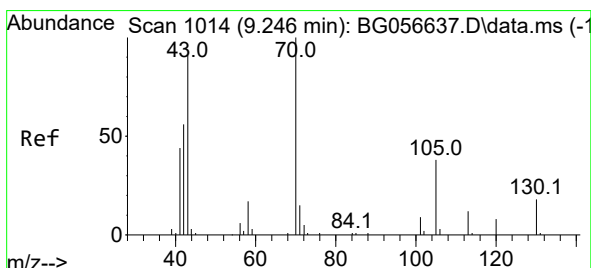
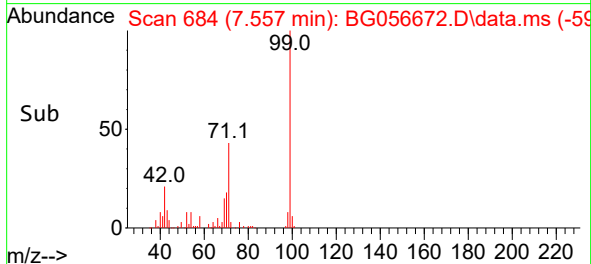
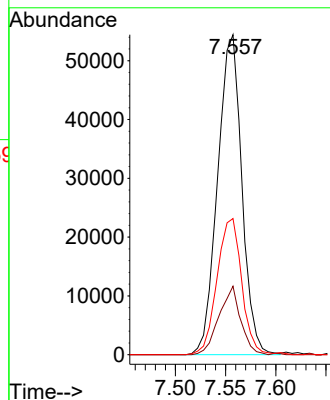
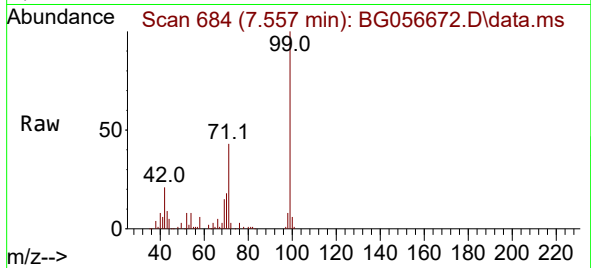




#7
Phenol-d6
Concen: 45.877 ng
RT: 7.557 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG056672.D
Acq: 20 Feb 2023 13:56

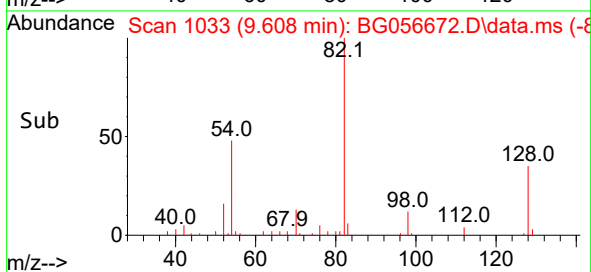
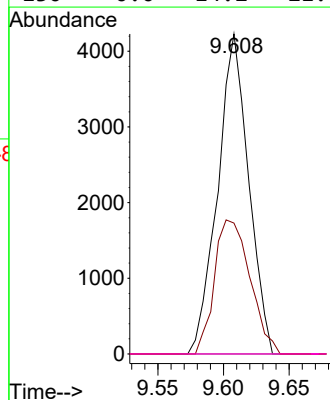
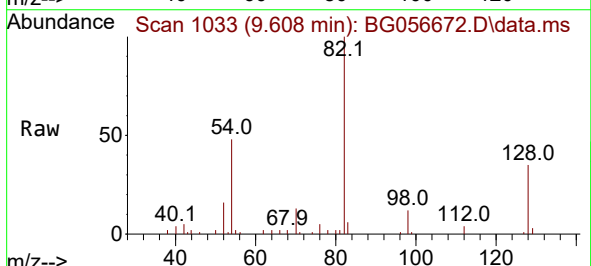
Instrument :
BNA_G
ClientSampleId :
SB-03-0-2.0DL

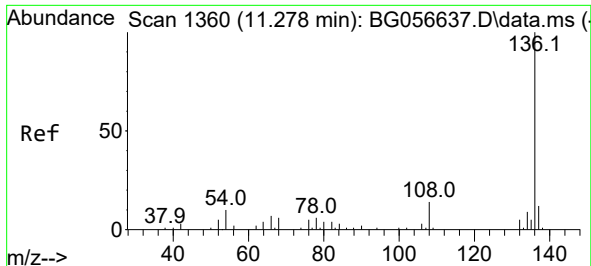
Tgt Ion: 99 Resp: 91130
Ion Ratio Lower Upper
99 100
42 21.4 16.8 25.2
71 42.6 33.9 50.9



#19
n-Nitroso-di-n-propylamine
Concen: 4.657 ng
RT: 9.608 min Scan# 1033
Delta R.T. 0.362 min
Lab File: BG056672.D
Acq: 20 Feb 2023 13:56

Tgt Ion: 70 Resp: 6926
Ion Ratio Lower Upper
70 100
42 40.9 45.7 68.5#
101 0.0 7.4 11.0#
130 0.0 14.2 21.4#

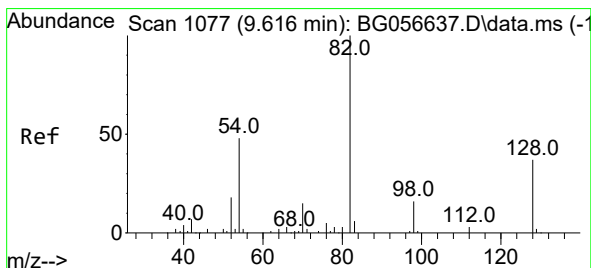
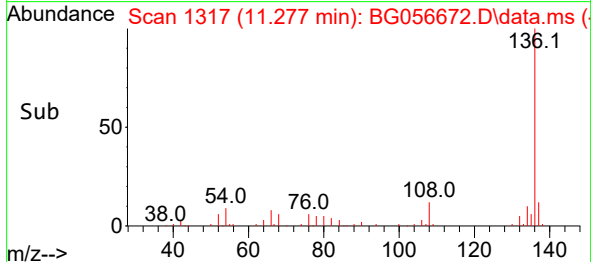
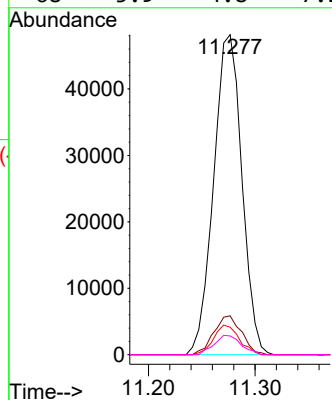
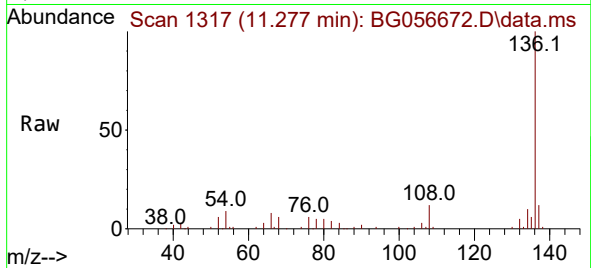




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.277 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG056672.D
Acq: 20 Feb 2023 13:56

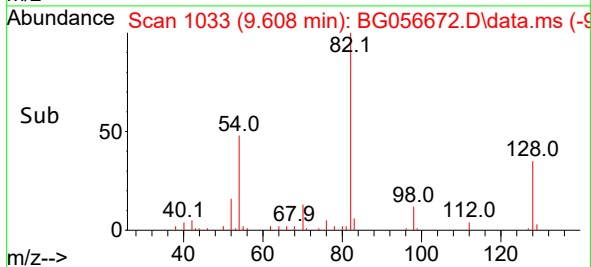
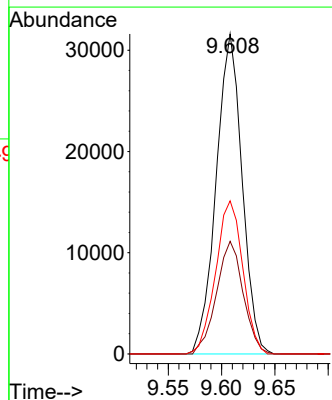
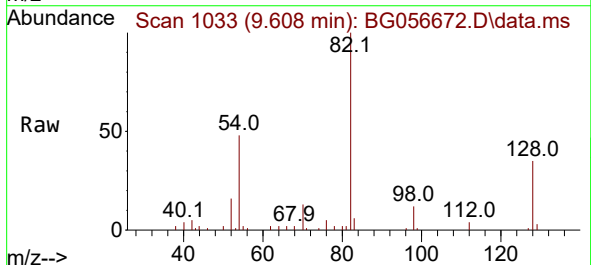
Instrument :
BNA_G
ClientSampleId :
SB-03-0-2.0DL

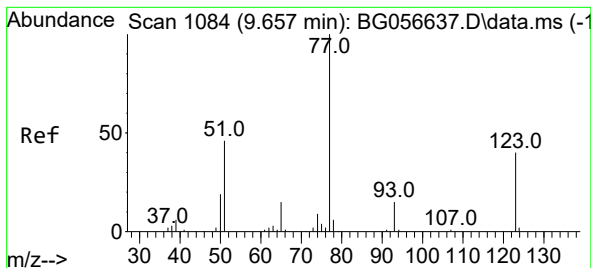
Tgt Ion:136	Resp:	88489
Ion Ratio	Lower	Upper
136	100	
137	12.2	9.7 14.5
54	8.6	7.7 11.5
68	5.9	4.8 7.2



#23
Nitrobenzene-d5
Concen: 30.924 ng
RT: 9.608 min Scan# 1033
Delta R.T. -0.008 min
Lab File: BG056672.D
Acq: 20 Feb 2023 13:56

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





#24

Nitrobenzene

Concen: 2.716 ng

RT: 9.602 min Scan# 1084

Delta R.T. -0.055 min

Lab File: BG056672.D

Acq: 20 Feb 2023 13:56

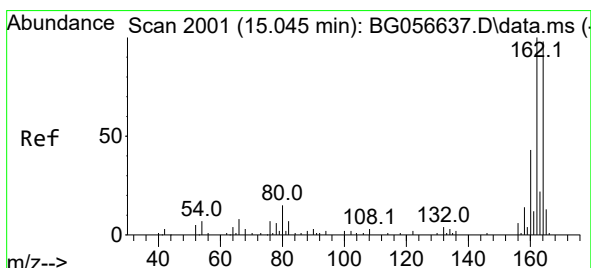
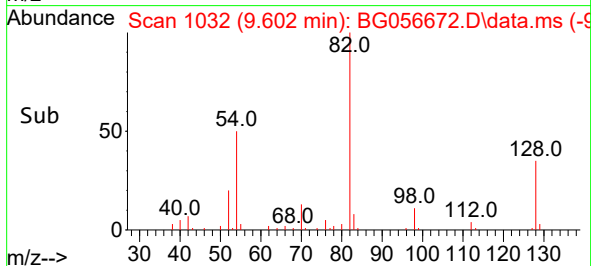
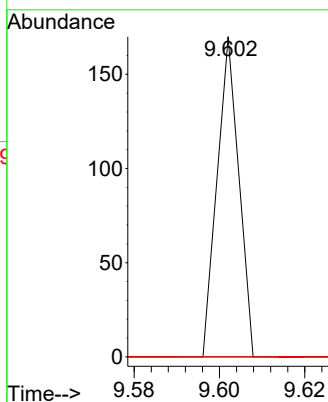
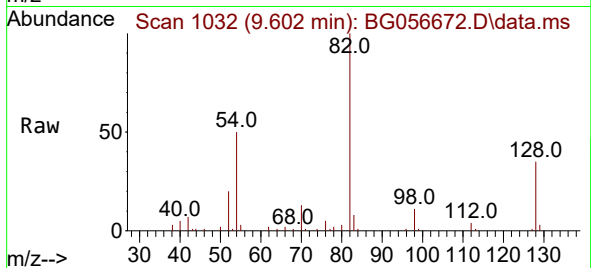
Instrument :

BNA_G

ClientSampleId :

SB-03-0-2.0DL

Tgt Ion: 77	Resp: 60
Ion Ratio	Lower Upper
77 100	
123 0.0	31.8 47.8#
65 0.0	12.0 18.0#



#39

Acenaphthene-d10

Concen: 20.000 ng

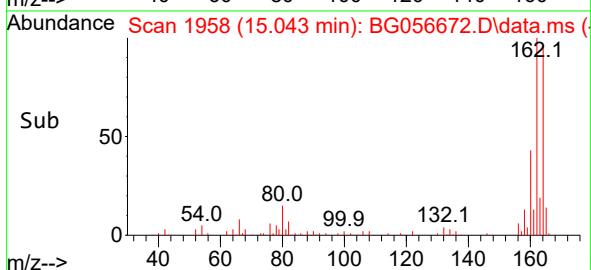
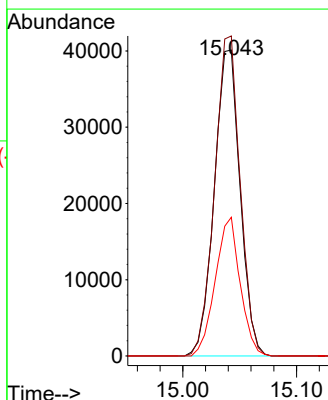
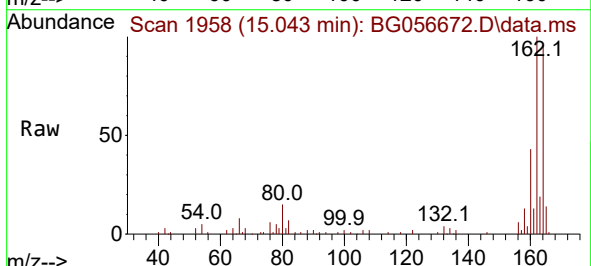
RT: 15.043 min Scan# 1958

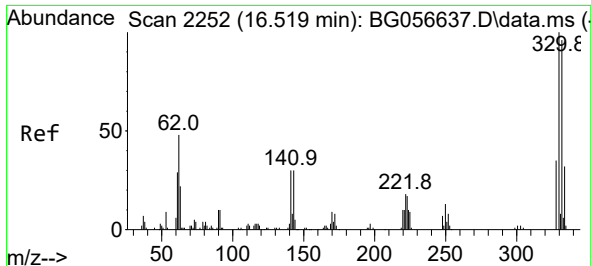
Delta R.T. -0.002 min

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

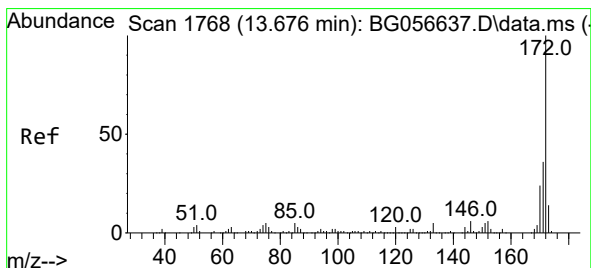
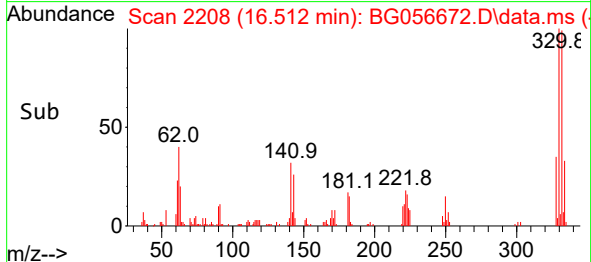
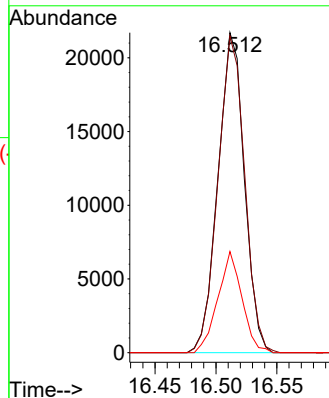
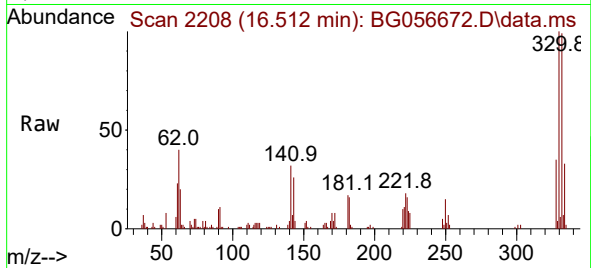
Tgt Ion:330 Resp: 32647

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

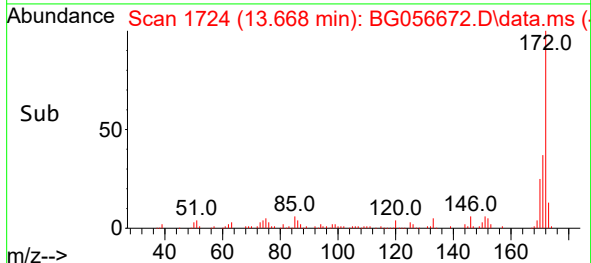
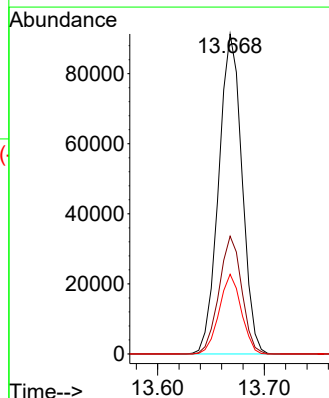
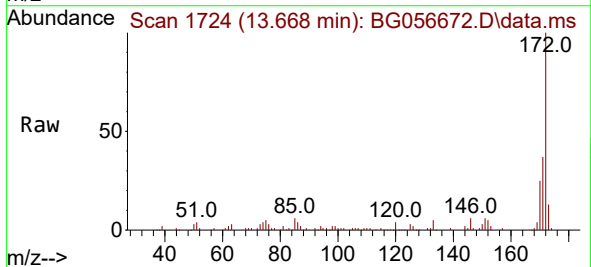
Tgt Ion:172 Resp: 138282

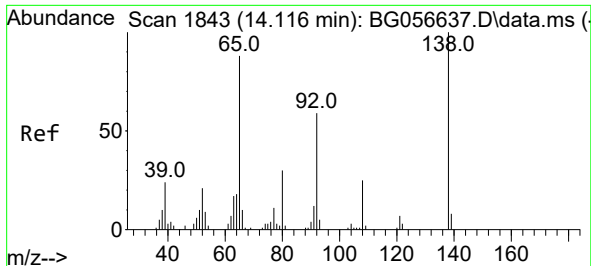
Ion Ratio Lower Upper

172 100

171 36.8 28.6 43.0

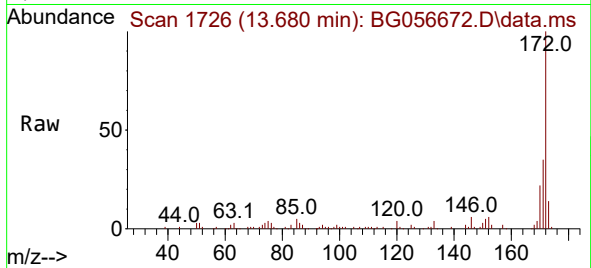
170 24.9 19.4 29.0



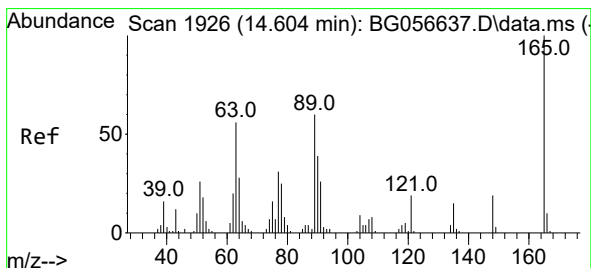
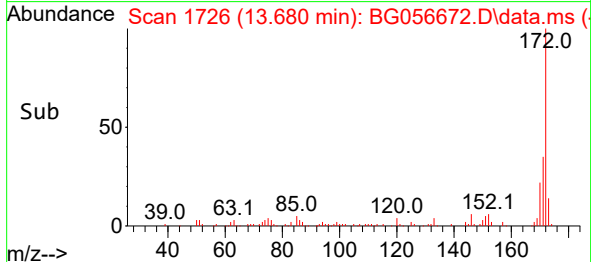
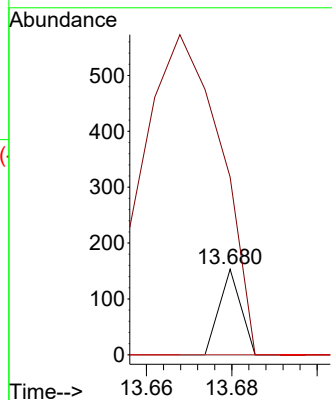


#48
2-Nitroaniline
Concen: 5.290 ng
RT: 13.680 min Scan# 11
Delta R.T. -0.436 min
Lab File: BG056672.D
Acq: 20 Feb 2023 13:56

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

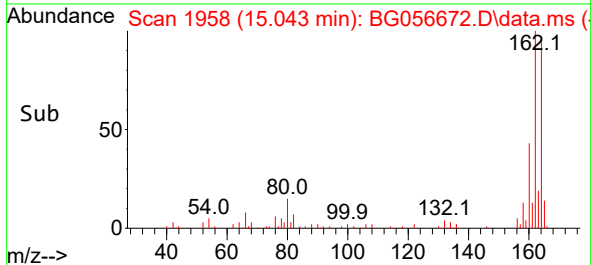
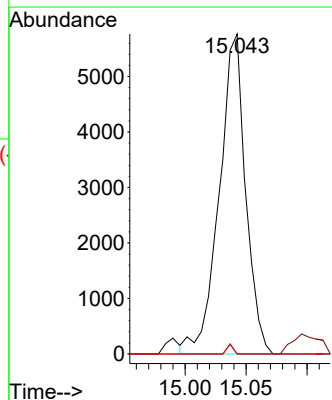
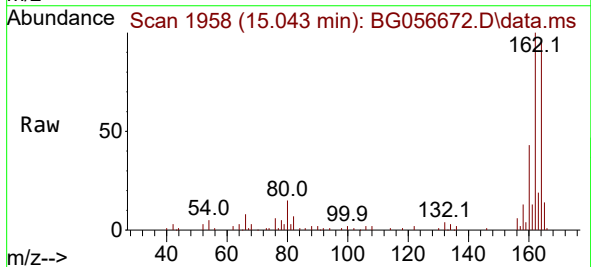


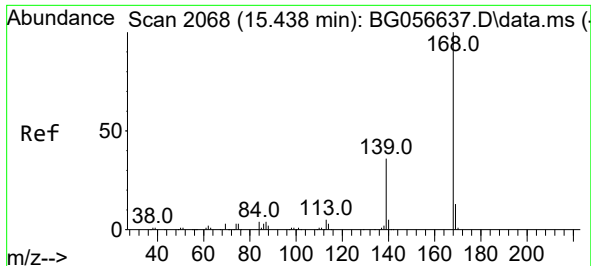
Tgt Ion: 65 Resp: 54
Ion Ratio Lower Upper
65 100
92 207.8 53.8 80.6#
138 0.0 90.6 135.8#



#51
2,6-Dinitrotoluene
Concen: 10.668 ng
RT: 15.043 min Scan# 1958
Delta R.T. 0.439 min
Lab File: BG056672.D
Acq: 20 Feb 2023 13:56

Tgt Ion:165 Resp: 8682
Ion Ratio Lower Upper
165 100
63 0.0 45.8 68.8#
89 0.0 48.2 72.2#

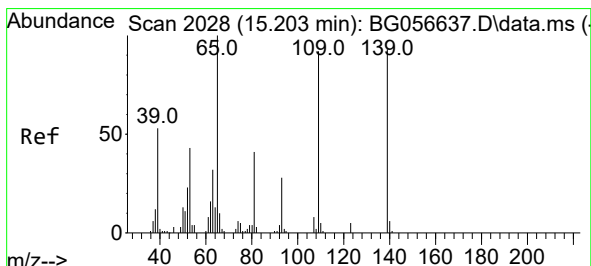
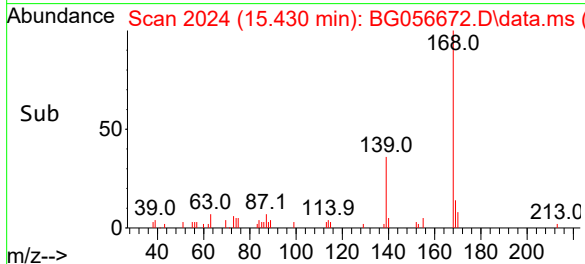
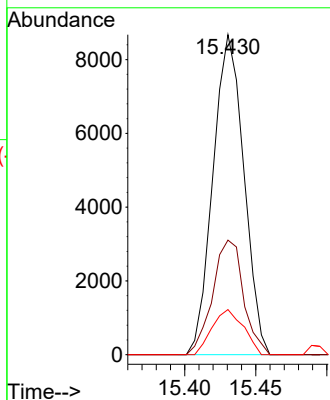
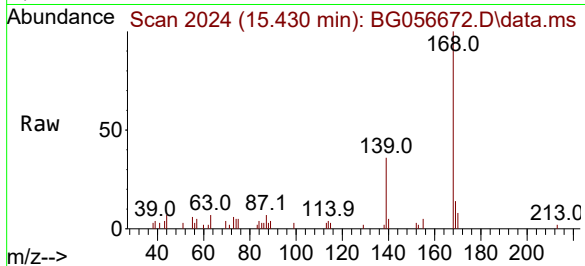




#55
Dibenzenofuran
Concen: 2.035 ng
RT: 15.430 min Scan# 20
Delta R.T. -0.008 min
Lab File: BG056672.D
Acq: 20 Feb 2023 13:56

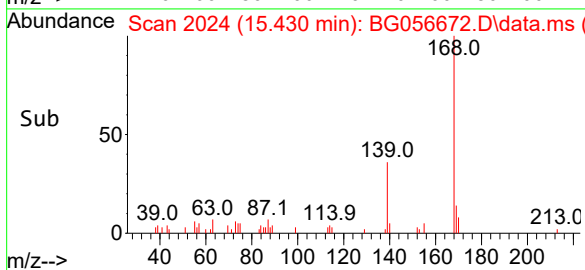
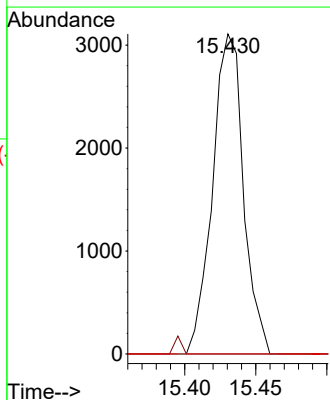
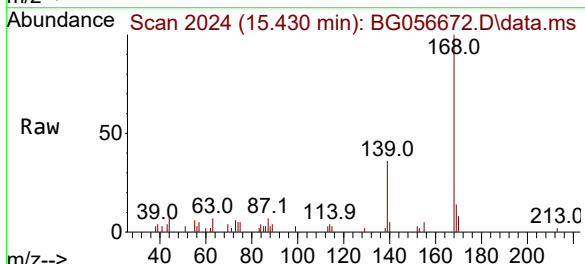
Instrument :
BNA_G
ClientSampleId :
SB-03-0-2.0DL

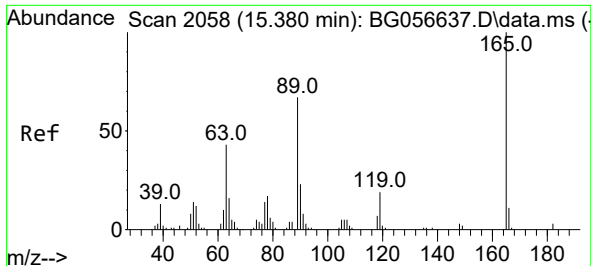
Tgt Ion:168 Resp: 13091
Ion Ratio Lower Upper
168 100
139 35.8 29.0 43.6
169 14.1 10.7 16.1



#56
4-Nitrophenol
Concen: 6.024 ng
RT: 15.430 min Scan# 2024
Delta R.T. 0.227 min
Lab File: BG056672.D
Acq: 20 Feb 2023 13:56

Tgt Ion:139 Resp: 4693
Ion Ratio Lower Upper
139 100
109 0.0 79.3 119.3#
65 0.0 87.6 127.6#





#57

2,4-Dinitrotoluene

Concen: 6.796 ng

RT: 15.043 min Scan# 1958

Delta R.T. -0.337 min

Lab File: BG056672.D

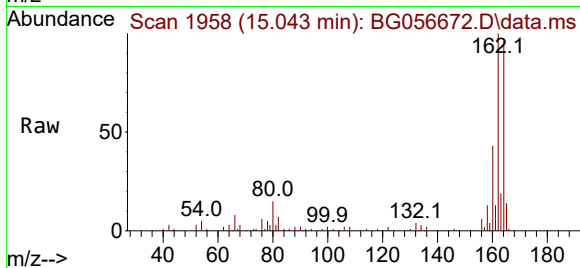
Acq: 20 Feb 2023 13:56

Instrument :

BNA_G

ClientSampleId :

SB-03-0-2.0DL



Tgt Ion:165 Resp: 8682

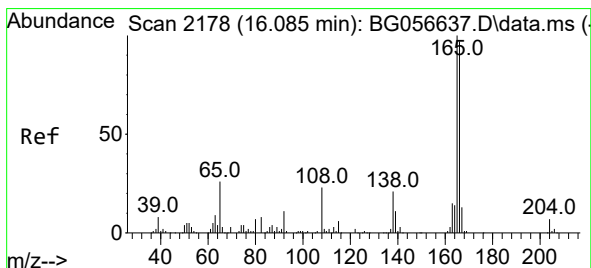
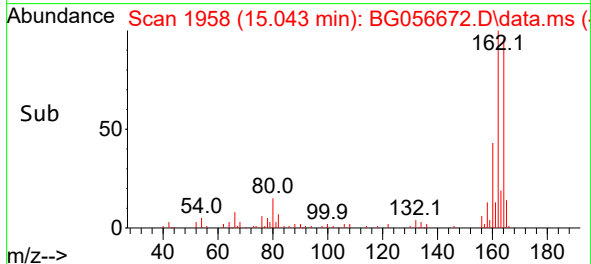
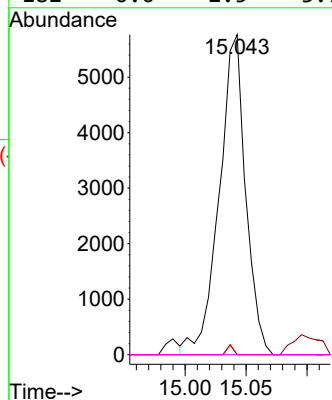
Ion Ratio Lower Upper

165 100

63 0.0 34.6 52.0#

89 0.0 53.8 80.8#

182 0.0 2.5 3.7#



#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

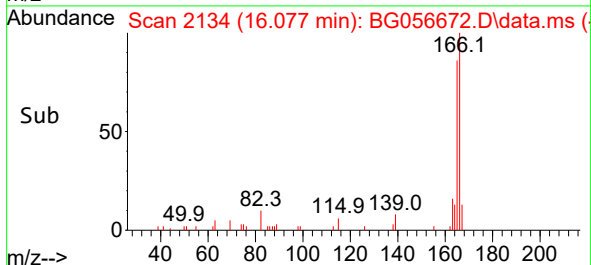
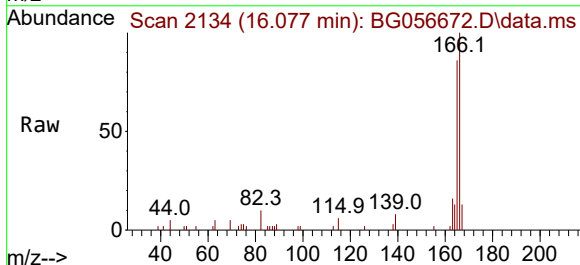
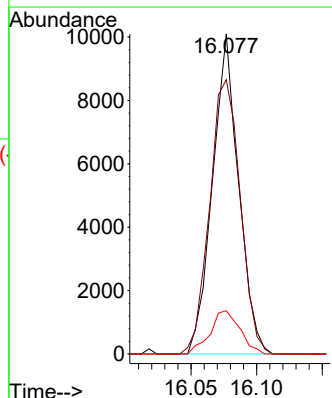
Tgt Ion:166 Resp: 13955

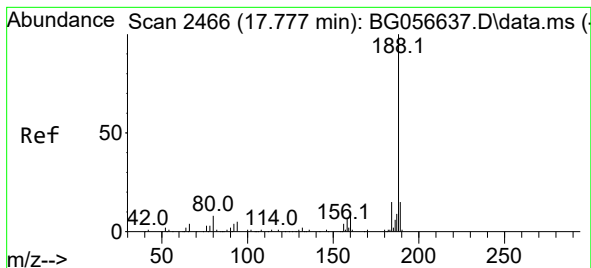
Ion Ratio Lower Upper

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

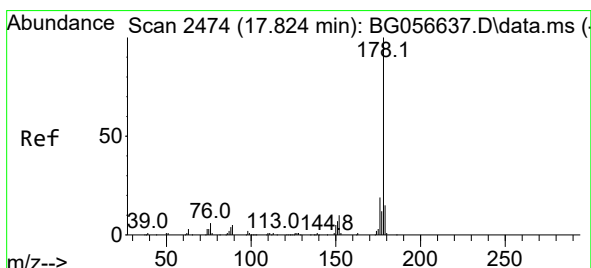
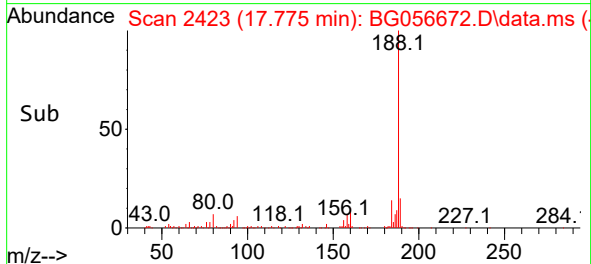
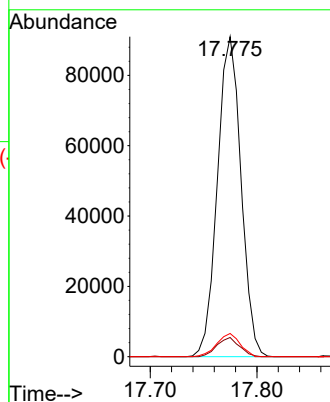
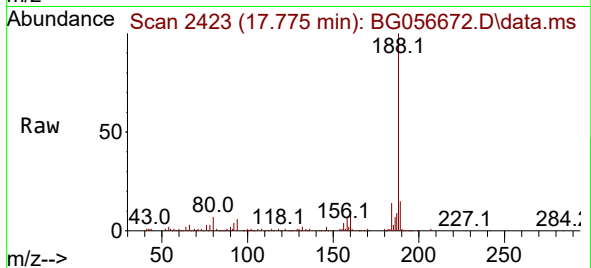
Tgt Ion:188 Resp: 139707

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

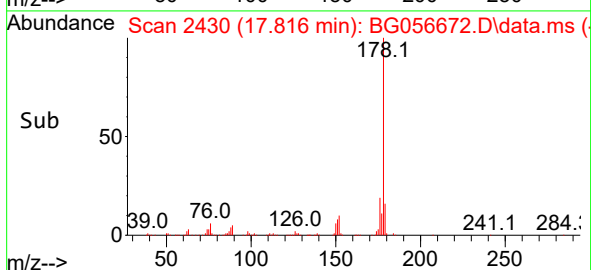
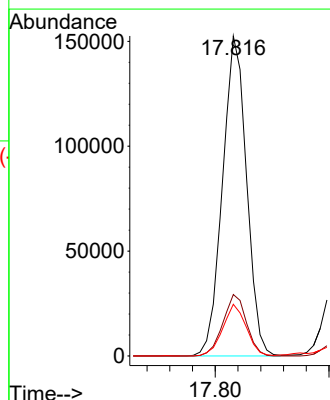
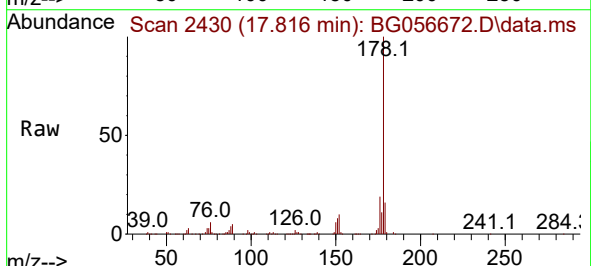
Tgt Ion:178 Resp: 224066

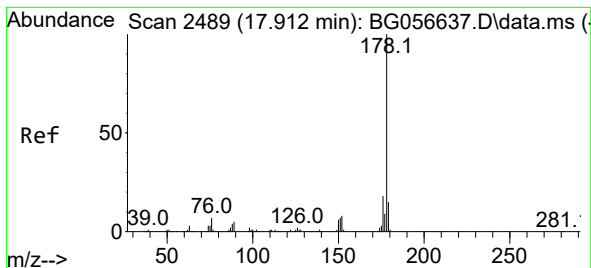
Ion Ratio Lower Upper

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

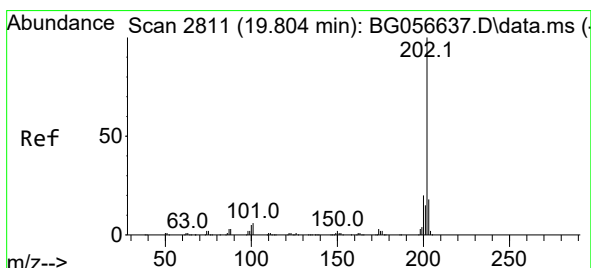
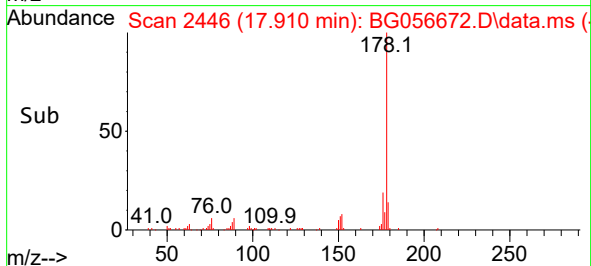
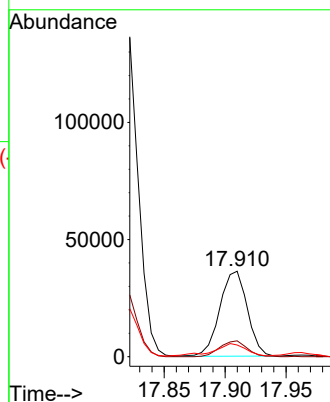
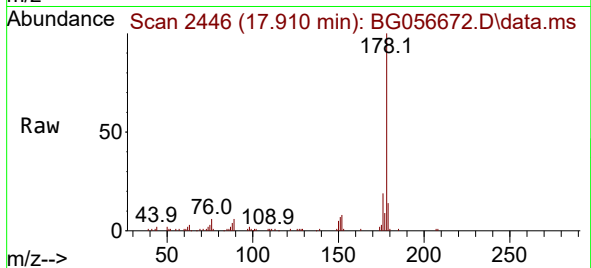
Tgt Ion:178 Resp: 56914

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

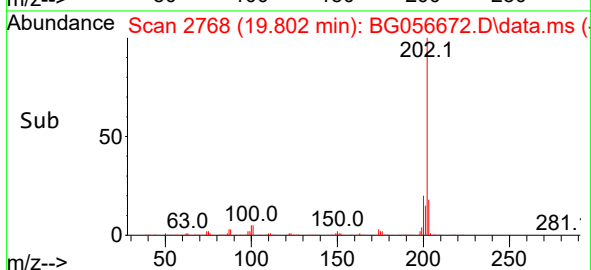
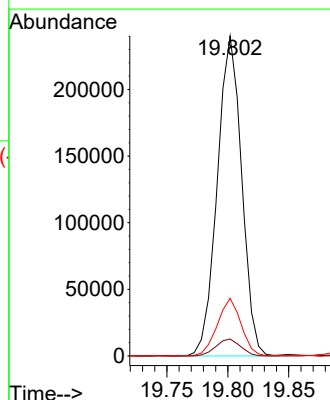
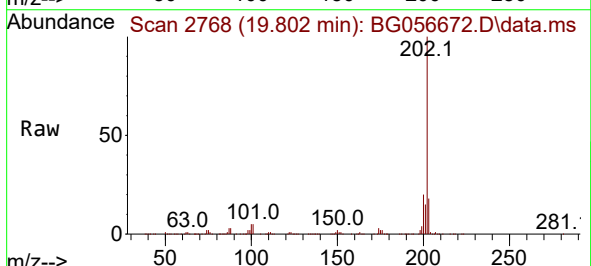
Tgt Ion:202 Resp: 335117

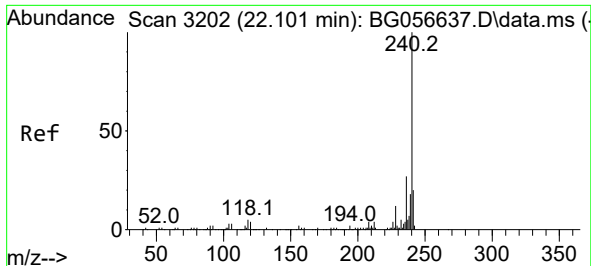
Ion Ratio Lower Upper

202 100

101 5.3 0.0 25.8

203 18.0 0.0 37.6

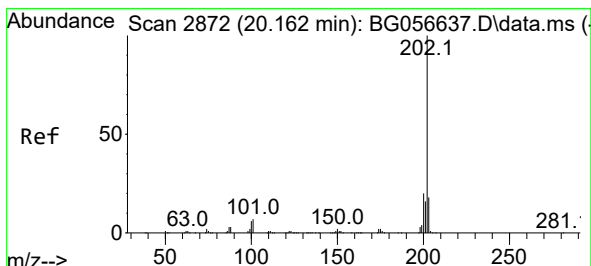
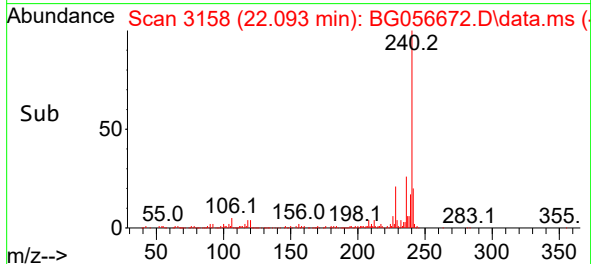
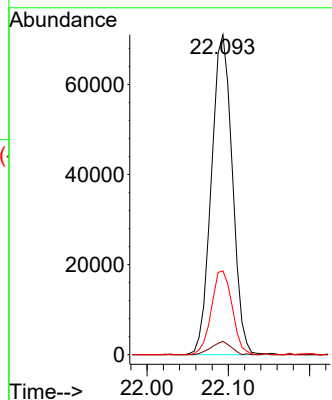
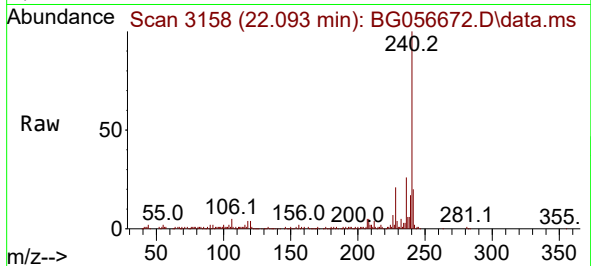




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.093 min Scan# 3158
Delta R.T. -0.008 min
Lab File: BG056672.D
Acq: 20 Feb 2023 13:56

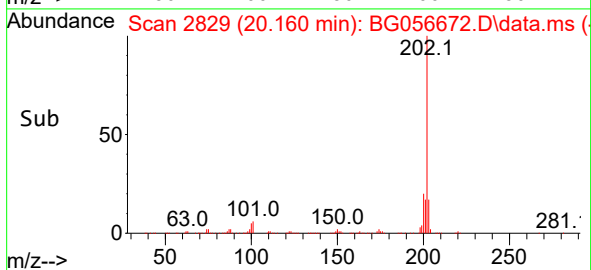
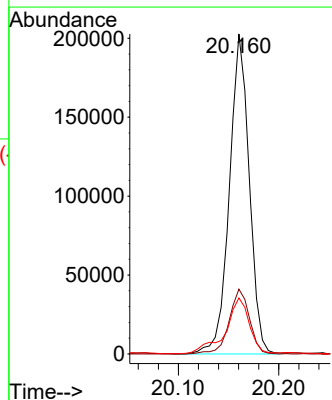
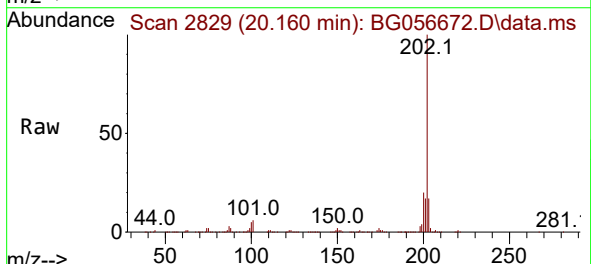
Instrument :
BNA_G
ClientSampleId :
SB-03-0-2.0DL

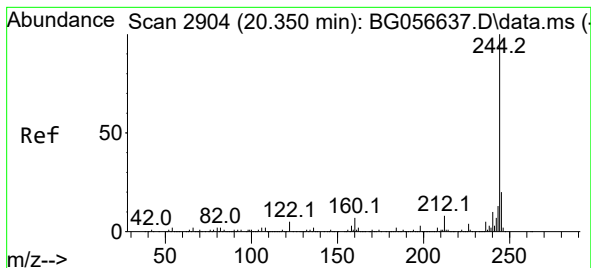
Tgt Ion:240 Resp: 127424
Ion Ratio Lower Upper
240 100
120 4.1 3.5 5.3
236 26.2 21.5 32.3



#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# 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

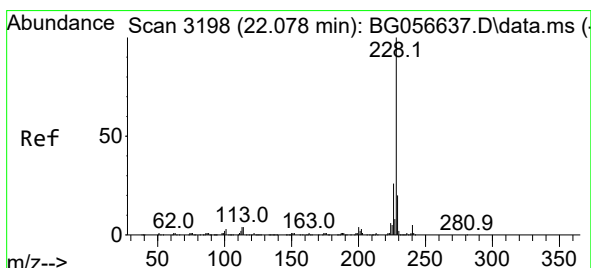
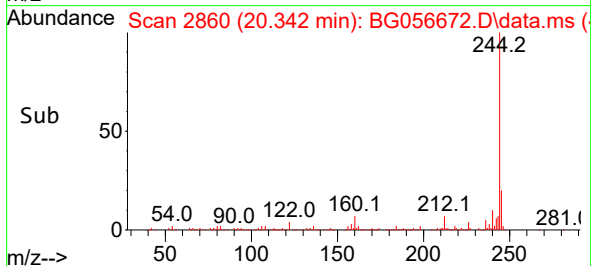
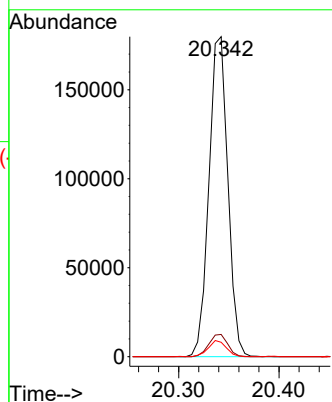
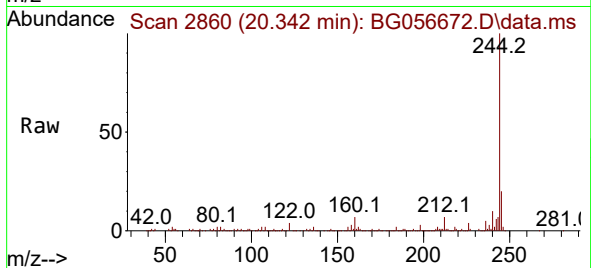
Tgt Ion:244 Resp: 235133

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

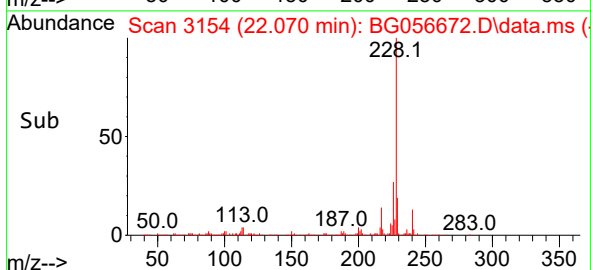
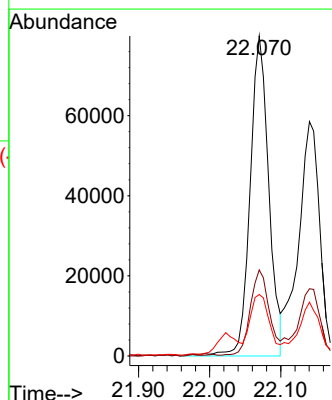
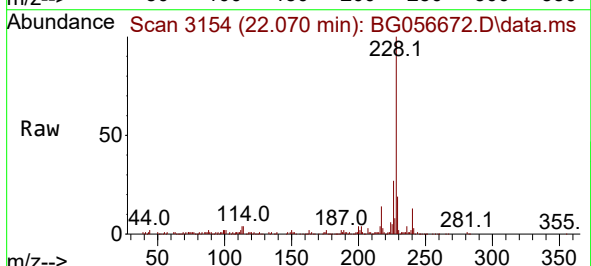
Tgt Ion:228 Resp: 145734

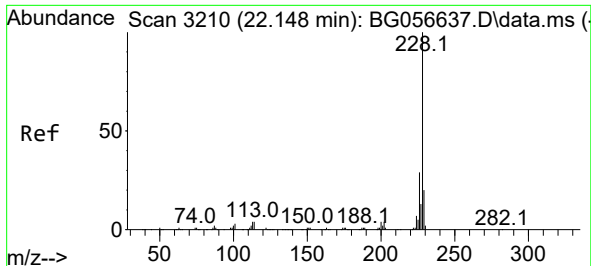
Ion Ratio Lower Upper

228 100

226 26.9 20.4 30.6

229 19.2 16.0 24.0

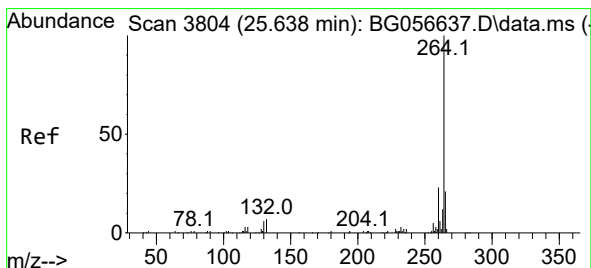
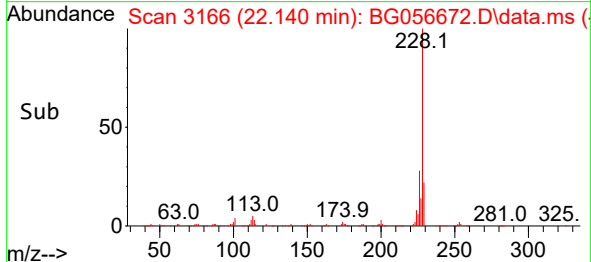
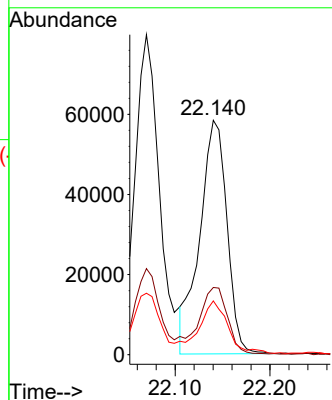
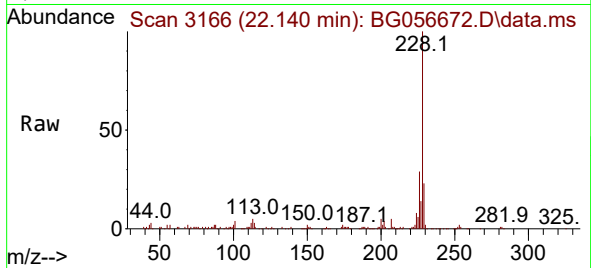




#83
Chrysene
Concen: 13.153 ng
RT: 22.140 min Scan# 3166
Delta R.T. -0.008 min
Lab File: BG056672.D
Acq: 20 Feb 2023 13:56

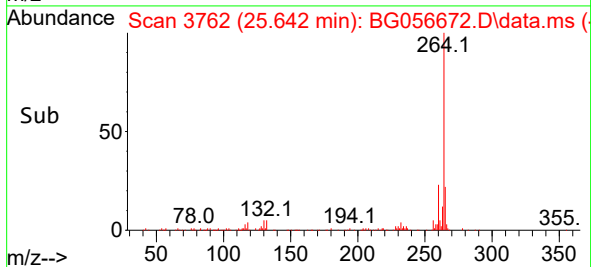
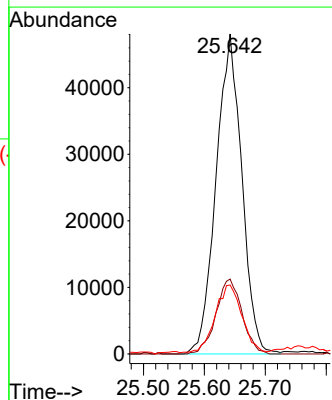
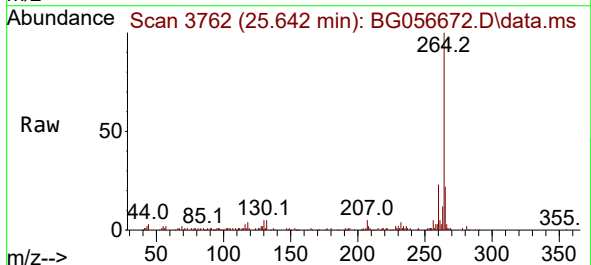
Instrument :
BNA_G
ClientSampleId :
SB-03-0-2.0DL

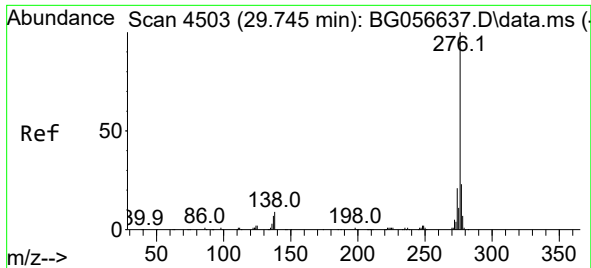
Tgt Ion:228 Resp: 116524
Ion Ratio Lower Upper
228 100
226 28.7 23.0 34.6
229 23.0 15.8 23.8



#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

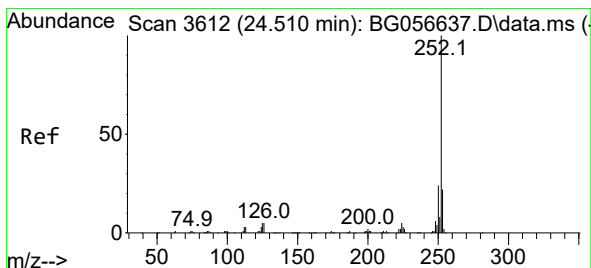
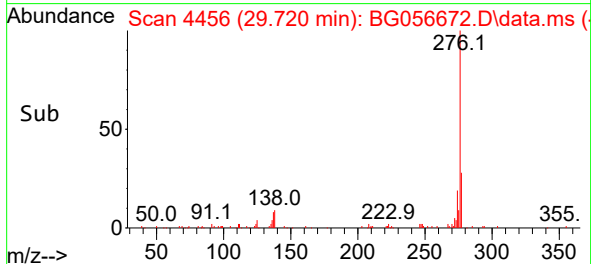
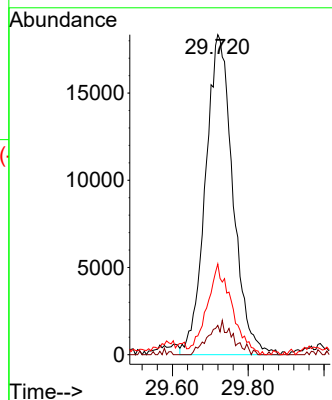
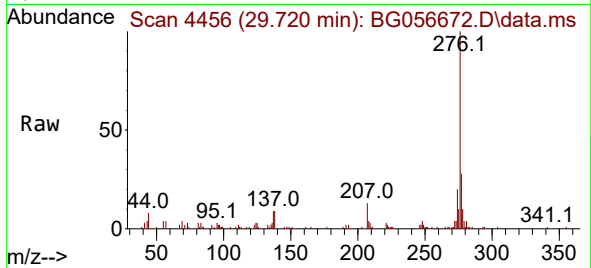




#87
Indeno(1,2,3-cd)pyrene
Concen: 8.343 ng
RT: 29.720 min Scan# 4456
Delta R.T. -0.025 min
Lab File: BG056672.D
Acq: 20 Feb 2023 13:56

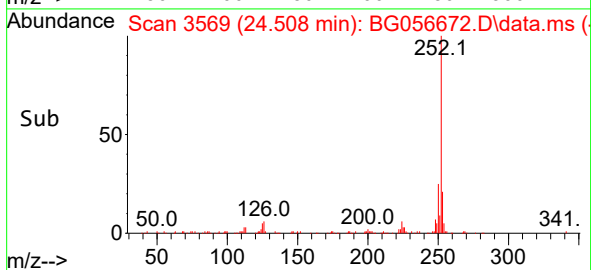
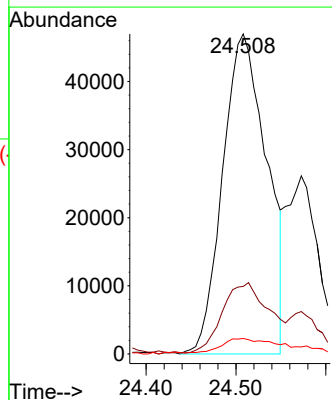
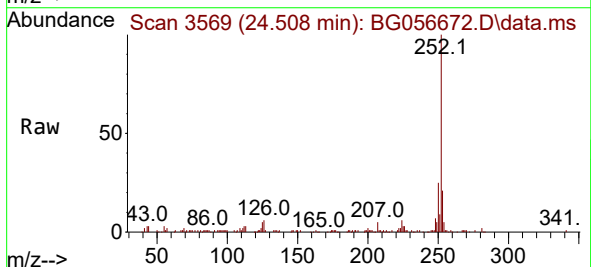
Instrument :
BNA_G
ClientSampleId :
SB-03-0-2.0DL

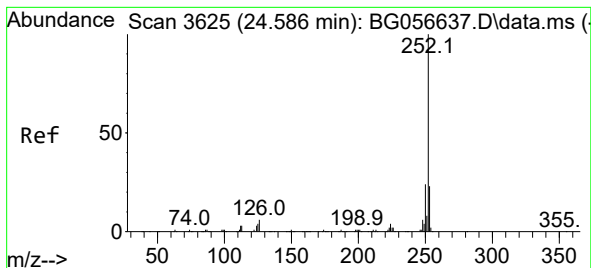
Tgt Ion:276 Resp: 92006
Ion Ratio Lower Upper
276 100
138 4.6 3.8 5.8
277 25.9 20.3 30.5



#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: 17.650 ng

RT: 24.508 min Scan# 31

Delta R.T. -0.078 min

Lab File: BG056672.D

Acq: 20 Feb 2023 13:56

Instrument :

BNA_G

ClientSampleId :

SB-03-0-2.0DL

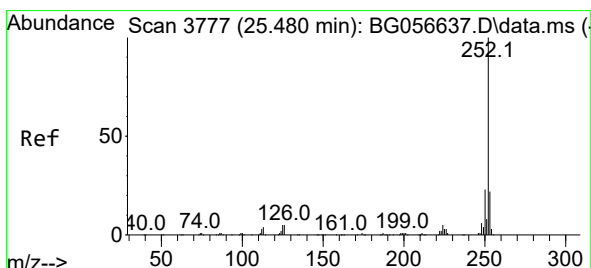
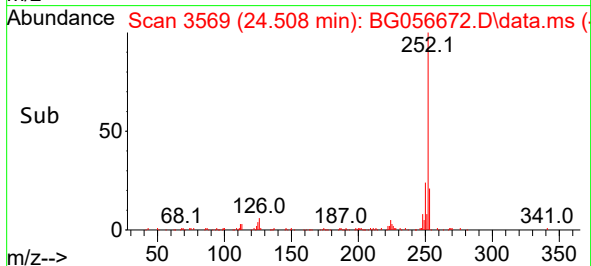
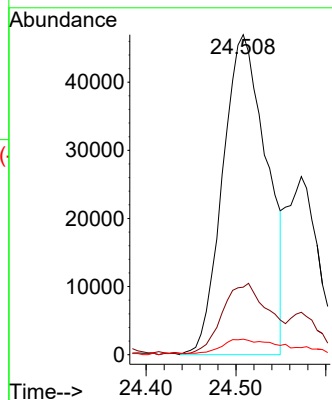
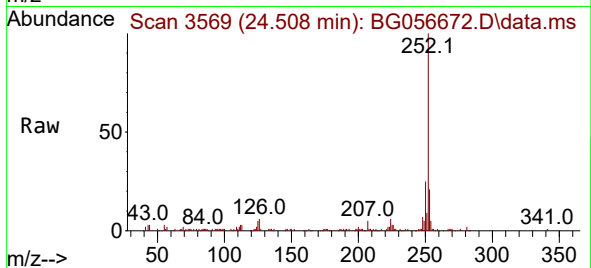
Tgt Ion:252 Resp: 159659

Ion Ratio Lower Upper

252 100

253 21.1 18.5 27.7

125 4.9 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

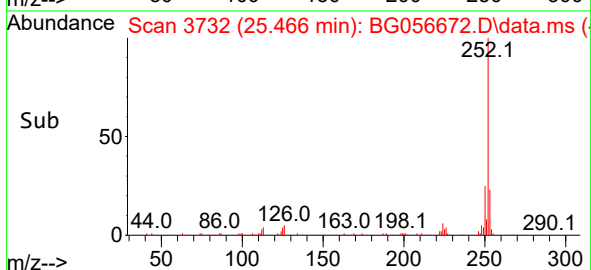
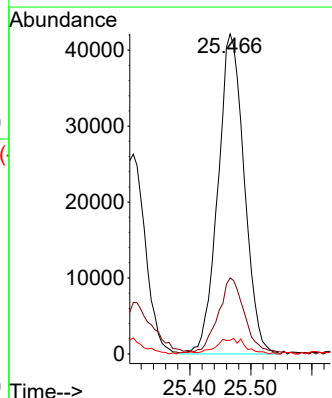
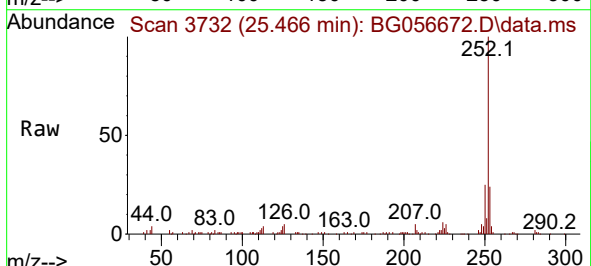
Tgt Ion:252 Resp: 126047

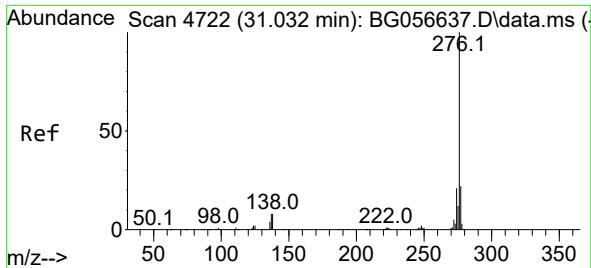
Ion Ratio Lower Upper

252 100

253 23.8 17.9 26.9

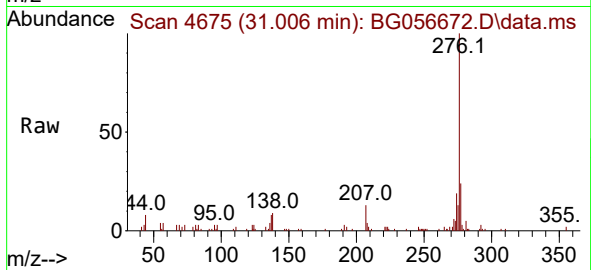
125 4.3 4.0 6.0





#92
 Benzo(g,h,i)perylene
 Concen: 9.614 ng
 RT: 31.006 min Scan# 4
 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: 85799
 Ion Ratio Lower Upper
 276 100
 277 24.3 17.5 26.3
 138 9.1 6.4 9.6

