

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010224\
 Data File : BG060207.D
 Acq On : 3 Jan 2024 00:34
 Operator : MA/JU
 Sample : 05899-14
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GHL-SS-03

Quant Time: Jan 03 01:13:52 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 30 03:14:04 2023
 Response via : Initial Calibration

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

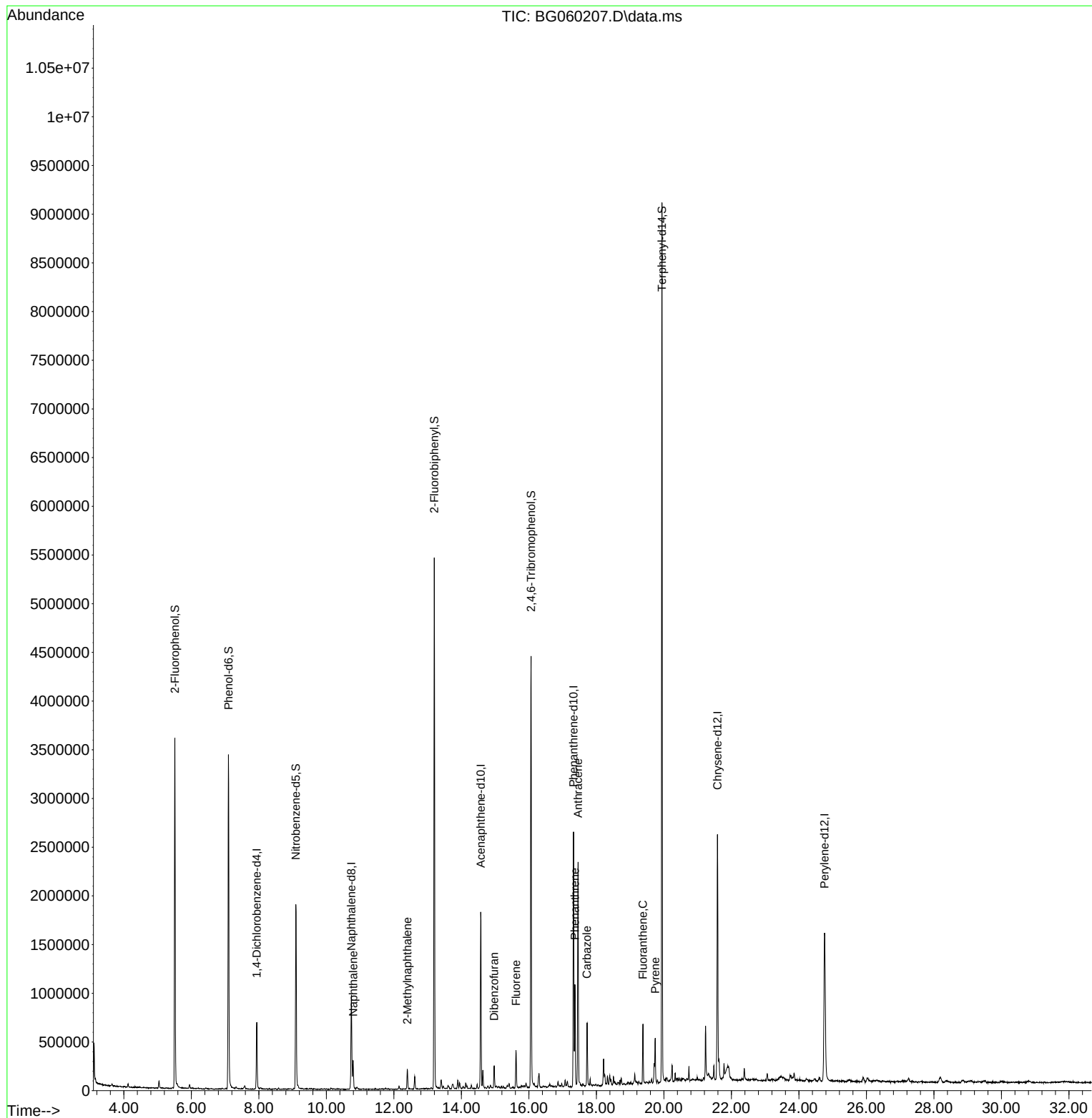
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.939	152	213333	20.000	ng	0.00
21) Naphthalene-d8	10.741	136	853206	20.000	ng	0.00
39) Acenaphthene-d10	14.572	164	664573	20.000	ng	0.00
64) Phenanthrene-d10	17.322	188	1693129	20.000	ng	0.00
76) Chrysene-d12	21.588	240	1502508	20.000	ng	0.00
86) Perylene-d12	24.760	264	1700328	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.512	112	1720447	121.722	ng	0.00
7) Phenol-d6	7.099	99	2227320	106.134	ng	0.00
23) Nitrobenzene-d5	9.096	82	1294140	70.061	ng	0.00
42) 2,4,6-Tribromophenol	16.065	330	918997	103.304	ng	0.00
45) 2-Fluorobiphenyl	13.197	172	2970696	64.245	ng	0.00
79) Terphenyl-d14	19.942	244	4198969	53.727	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.794	128	245503	5.450	ng	98
37) 2-Methylnaphthalene	12.398	142	105219	3.234	ng	95
55) Dibenzofuran	14.972	168	159962	2.550	ng	97
58) Fluorene	15.618	166	171089	3.325	ng	96
71) Phenanthrene	17.363	178	687463	8.214	ng	94
72) Anthracene	17.457	178	1563025	18.802	ng	96
73) Carbazole	17.721	167	499275	6.332	ng	95
75) Fluoranthene	19.378	202	377617	3.847	ng	93
78) Pyrene	19.743	202	290186	2.873	ng	# 88

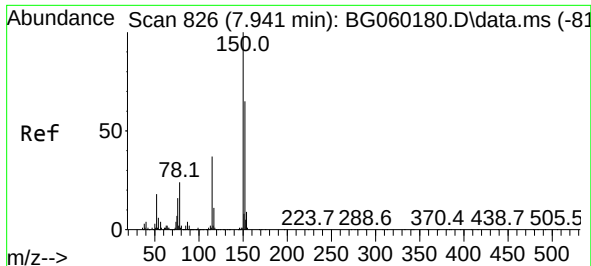
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Dec 30 03:14:04 2023
Response via : Initial Calibration

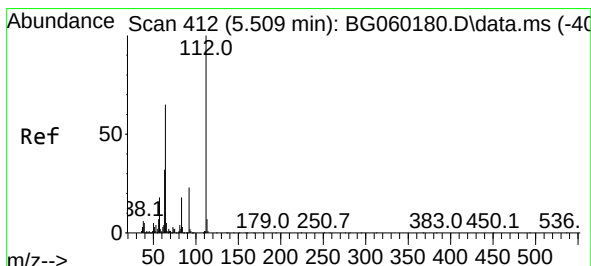
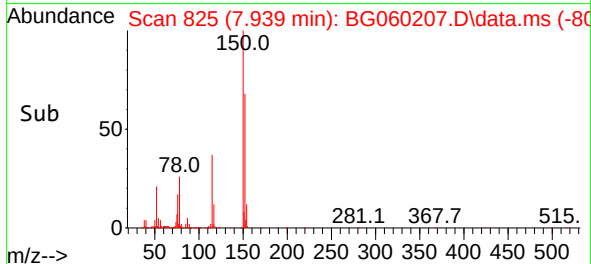
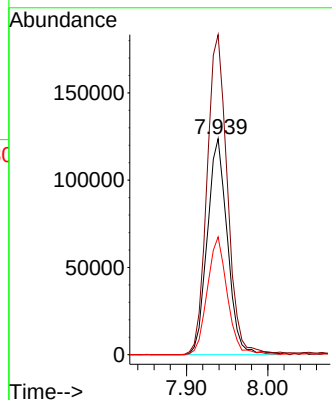
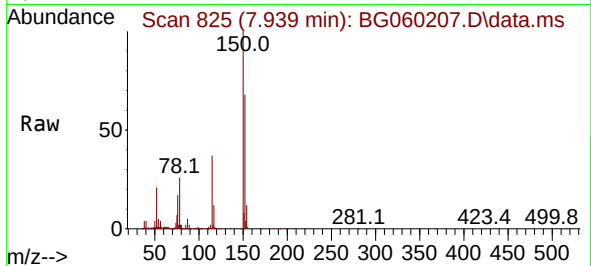




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.939 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG060207.D
Acq: 3 Jan 2024 00:34

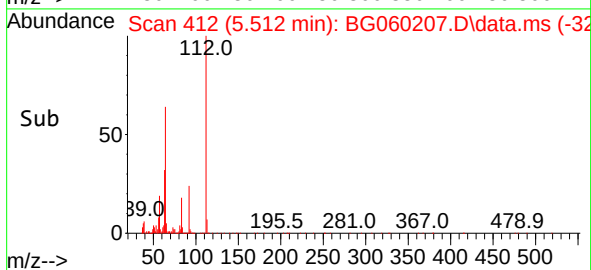
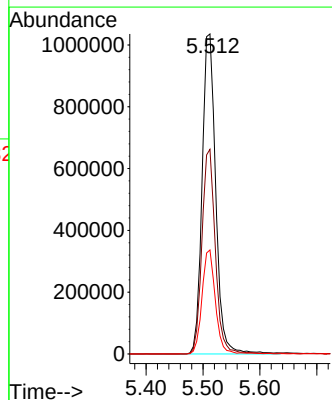
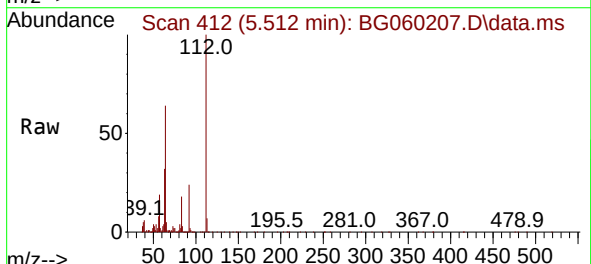
Instrument :
BNA_G
ClientSampleId :
GHL-SS-03

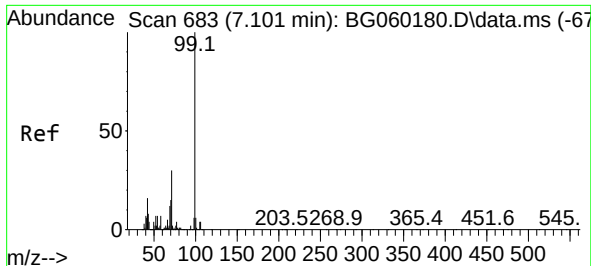
Tgt Ion:152 Resp: 213333
Ion Ratio Lower Upper
152 100
150 148.1 123.4 185.0
115 54.5 45.4 68.0



#5
2-Fluorophenol
Concen: 121.722 ng
RT: 5.512 min Scan# 412
Delta R.T. 0.004 min
Lab File: BG060207.D
Acq: 3 Jan 2024 00:34

Tgt Ion:112 Resp: 1720447
Ion Ratio Lower Upper
112 100
64 63.9 52.2 78.4
63 32.5 25.4 38.0

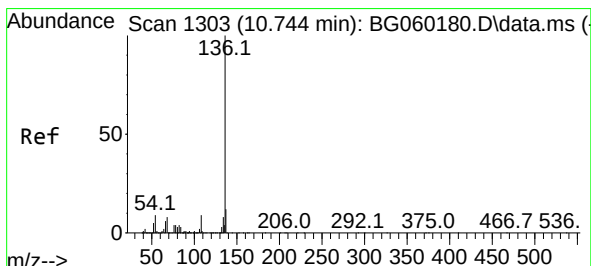
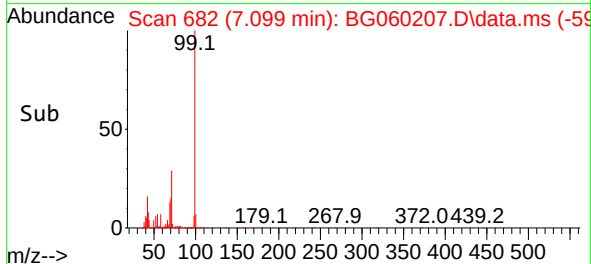
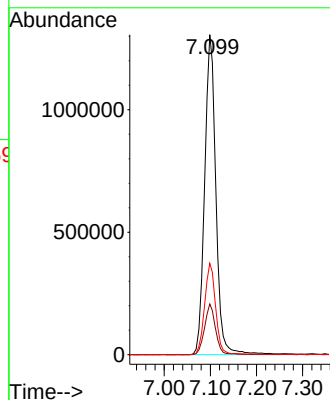
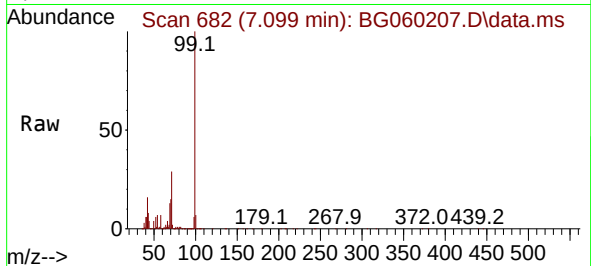




#7
Phenol-d6
Concen: 106.134 ng
RT: 7.099 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG060207.D
Acq: 3 Jan 2024 00:34

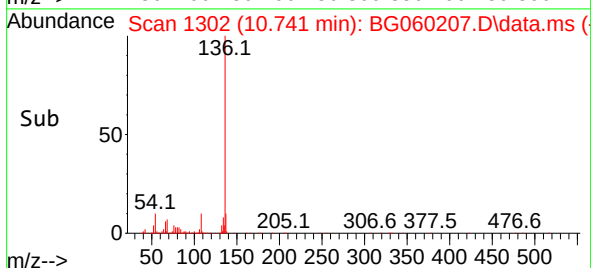
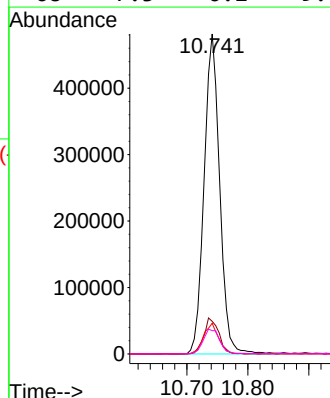
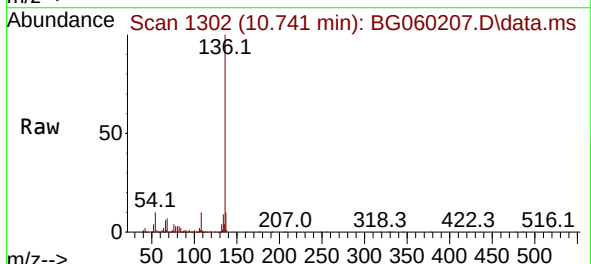
Instrument :
BNA_G
ClientSampleId :
GHL-SS-03

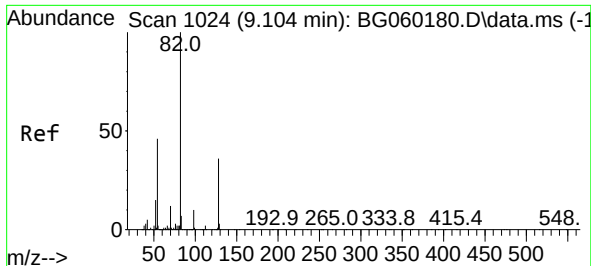
Tgt Ion: 99 Resp: 2227320
Ion Ratio Lower Upper
99 100
42 15.9 12.5 18.7
71 28.6 24.1 36.1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.741 min Scan# 1302
Delta R.T. -0.002 min
Lab File: BG060207.D
Acq: 3 Jan 2024 00:34

Tgt Ion: 136 Resp: 853206
Ion Ratio Lower Upper
136 100
137 10.2 9.4 14.0
54 9.6 7.4 11.2
68 7.3 6.2 9.4





#23

Nitrobenzene-d5

Concen: 70.061 ng

RT: 9.096 min Scan# 1024

Delta R.T. -0.008 min

Lab File: BG060207.D

Acq: 3 Jan 2024 00:34

Instrument :

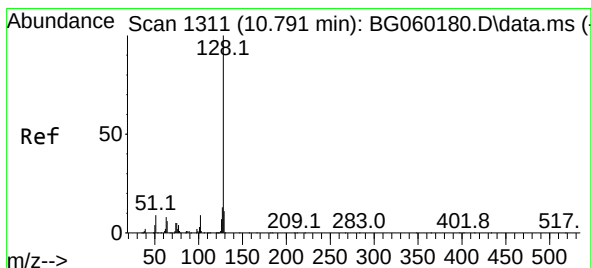
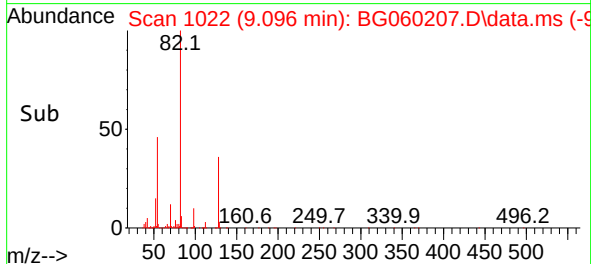
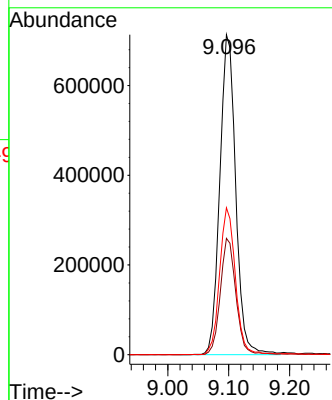
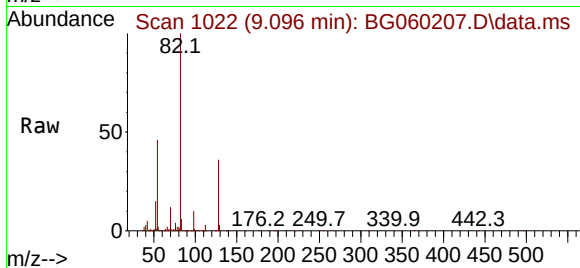
BNA_G

ClientSampleId :

GHL-SS-03

Tgt Ion: 82 Resp: 1294140

Ion	Ratio	Lower	Upper
82	100		
128	36.4	28.7	43.1
54	45.9	36.9	55.3



#31

Naphthalene

Concen: 5.450 ng

RT: 10.794 min Scan# 1311

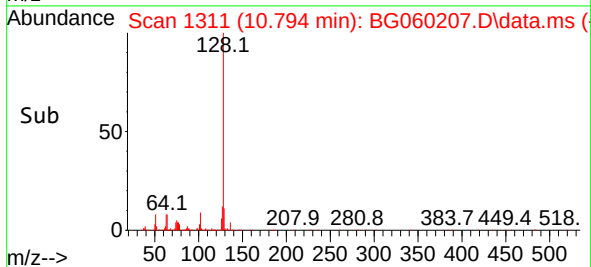
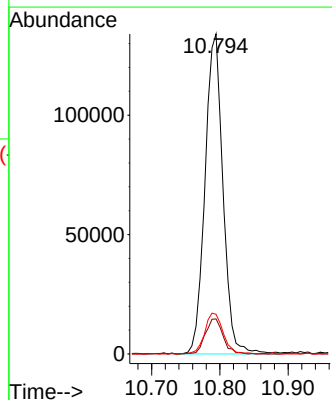
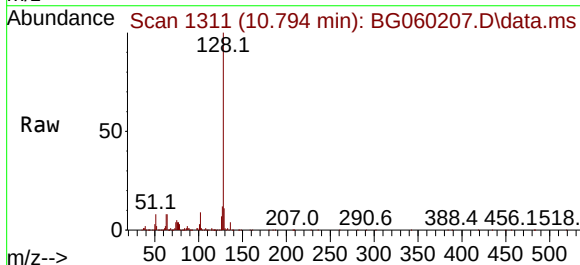
Delta R.T. 0.004 min

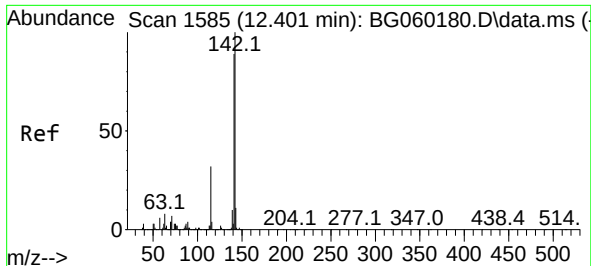
Lab File: BG060207.D

Acq: 3 Jan 2024 00:34

Tgt Ion: 128 Resp: 245503

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.2	13.8
127	12.4	10.6	16.0

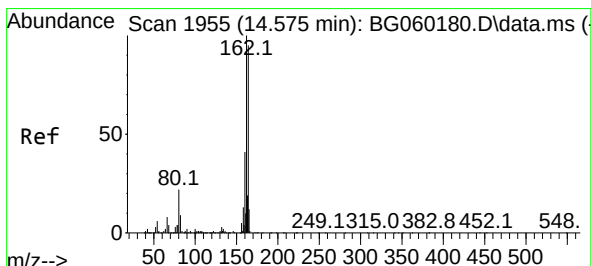
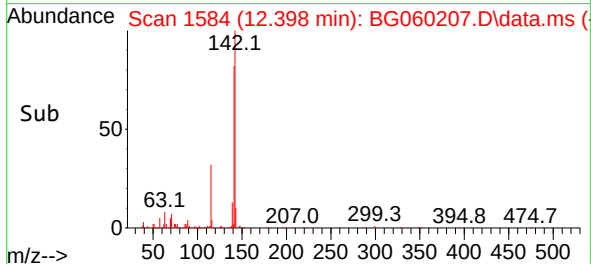
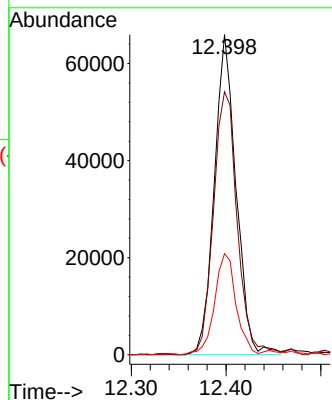
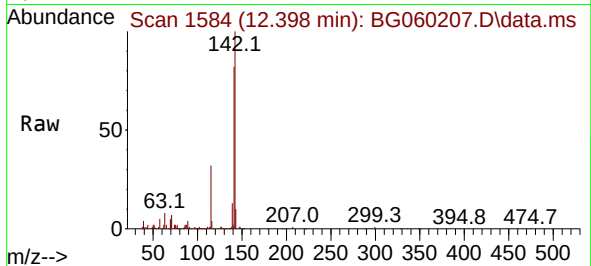




#37
2-Methylnaphthalene
Concen: 3.234 ng
RT: 12.398 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG060207.D
Acq: 3 Jan 2024 00:34

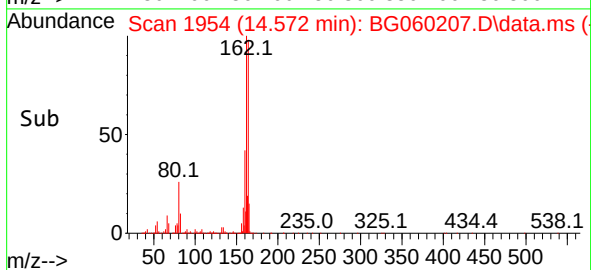
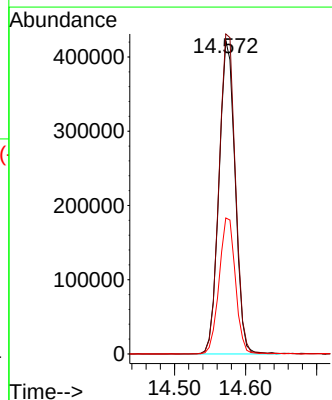
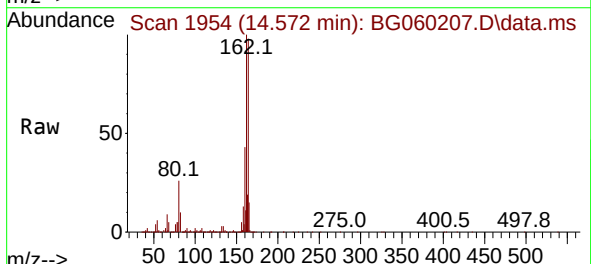
Instrument :
BNA_G
ClientSampleId :
GHL-SS-03

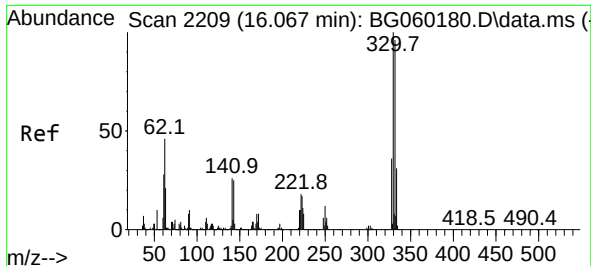
Tgt Ion:142 Resp: 105219
Ion Ratio Lower Upper
142 100
141 82.2 71.1 106.7
115 31.6 25.5 38.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.572 min Scan# 1954
Delta R.T. -0.002 min
Lab File: BG060207.D
Acq: 3 Jan 2024 00:34

Tgt Ion:164 Resp: 664573
Ion Ratio Lower Upper
164 100
162 102.1 83.9 125.9
160 43.4 34.2 51.4

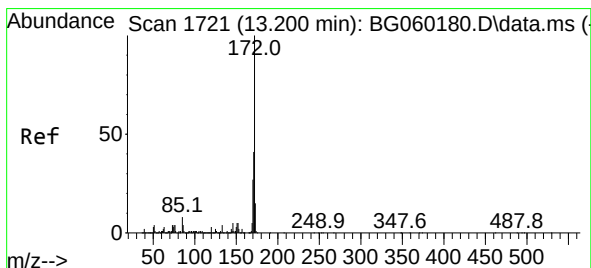
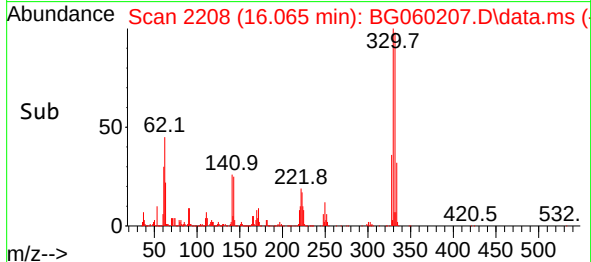
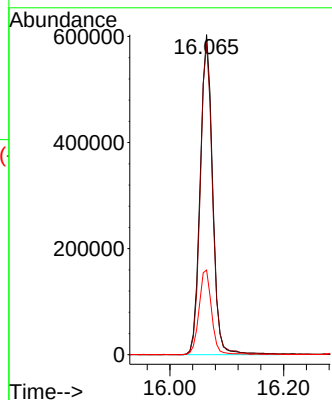
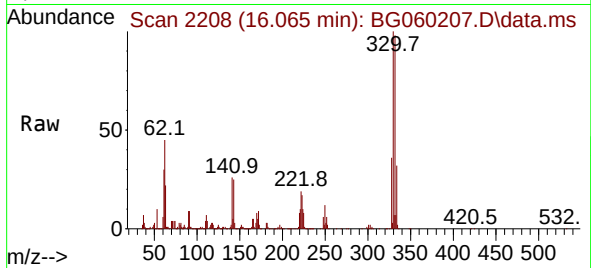




#42
2,4,6-Tribromophenol
Concen: 103.304 ng
RT: 16.065 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG060207.D
Acq: 3 Jan 2024 00:34

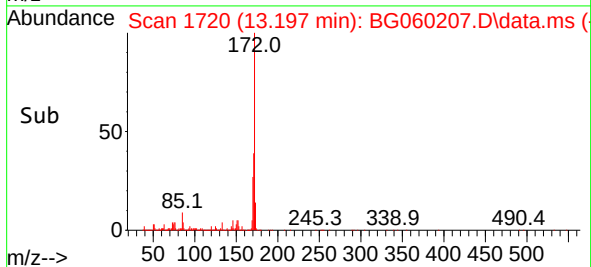
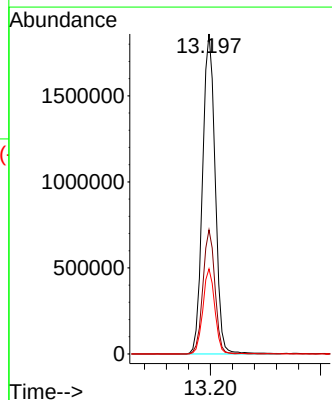
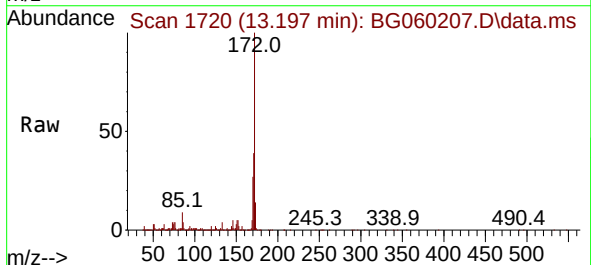
Instrument :
BNA_G
ClientSampleId :
GHL-SS-03

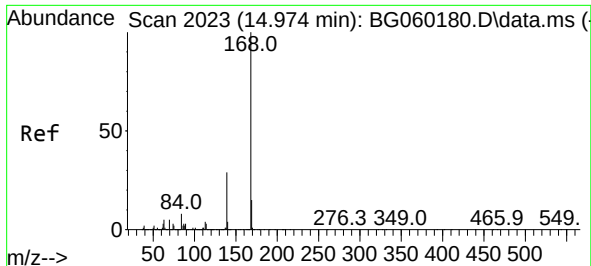
Tgt Ion:330 Resp: 918997
Ion Ratio Lower Upper
330 100
332 96.5 76.7 115.1
141 26.9 21.0 31.4



#45
2-Fluorobiphenyl
Concen: 64.245 ng
RT: 13.197 min Scan# 1720
Delta R.T. -0.002 min
Lab File: BG060207.D
Acq: 3 Jan 2024 00:34

Tgt Ion:172 Resp: 2970696
Ion Ratio Lower Upper
172 100
171 38.8 32.6 48.8
170 26.6 21.8 32.6

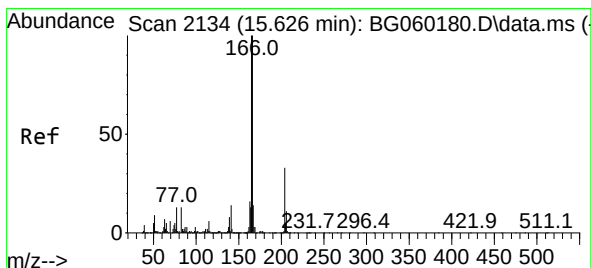
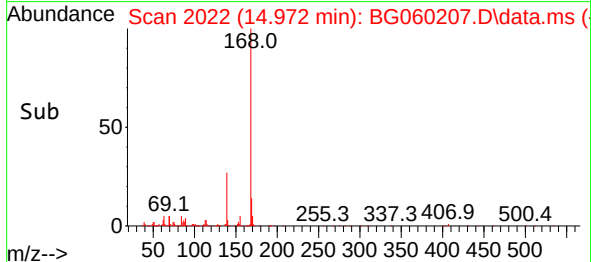
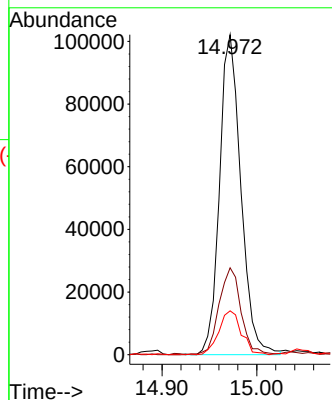
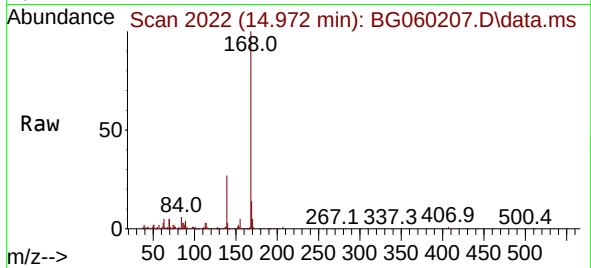




#55
Dibenzenofuran
Concen: 2.550 ng
RT: 14.972 min Scan# 20
Delta R.T. -0.002 min
Lab File: BG060207.D
Acq: 3 Jan 2024 00:34

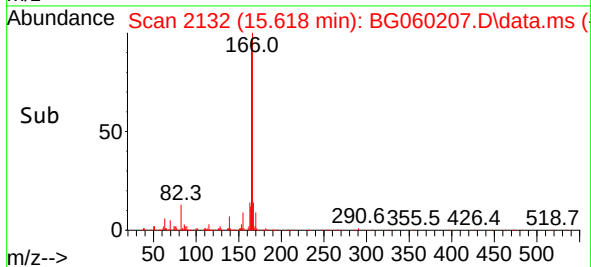
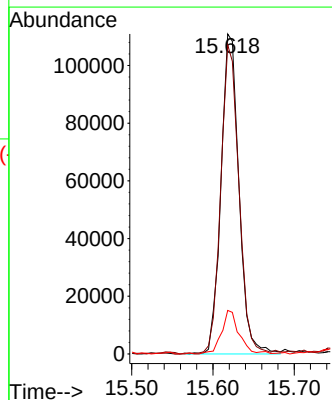
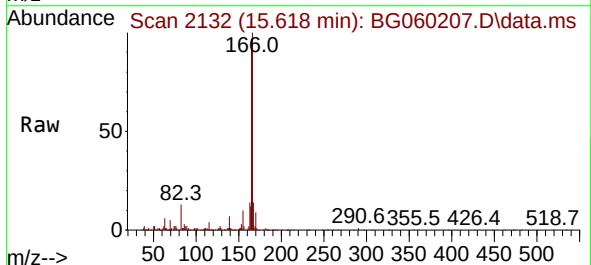
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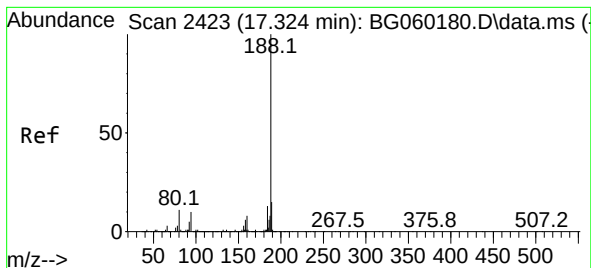
Tgt Ion:168 Resp: 159962
Ion Ratio Lower Upper
168 100
139 27.2 23.1 34.7
169 13.7 11.9 17.9



#58
Fluorene
Concen: 3.325 ng
RT: 15.618 min Scan# 2132
Delta R.T. -0.008 min
Lab File: BG060207.D
Acq: 3 Jan 2024 00:34

Tgt Ion:166 Resp: 171089
Ion Ratio Lower Upper
166 100
165 96.6 80.4 120.6
167 13.6 11.3 16.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.322 min Scan# 2422

Delta R.T. -0.002 min

Lab File: BG060207.D

Acq: 3 Jan 2024 00:34

Instrument :

BNA_G

ClientSampleId :

GHL-SS-03

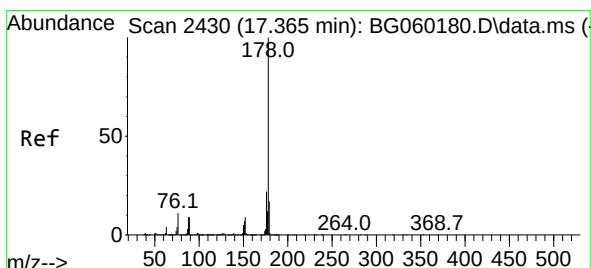
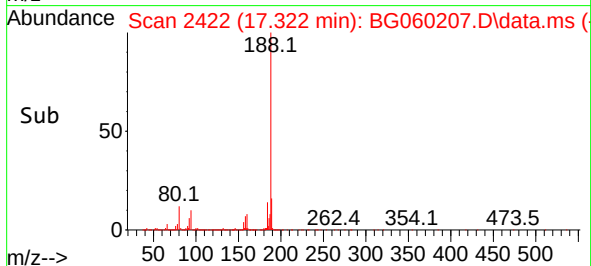
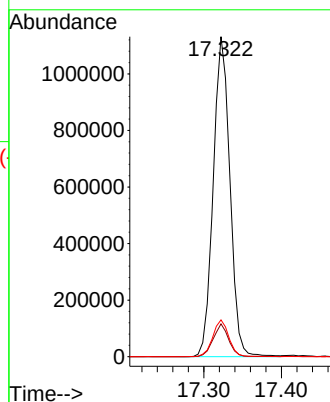
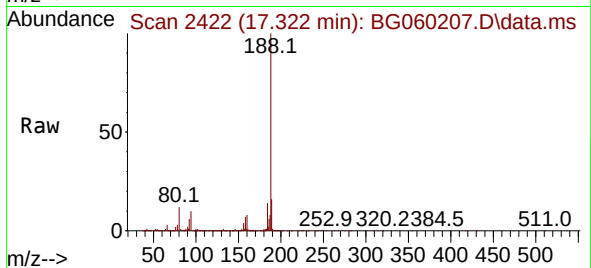
Tgt Ion:188 Resp: 1693129

Ion Ratio Lower Upper

188 100

94 10.2 7.8 11.6

80 11.5 8.6 13.0



#71

Phenanthrene

Concen: 8.214 ng

RT: 17.363 min Scan# 2429

Delta R.T. -0.002 min

Lab File: BG060207.D

Acq: 3 Jan 2024 00:34

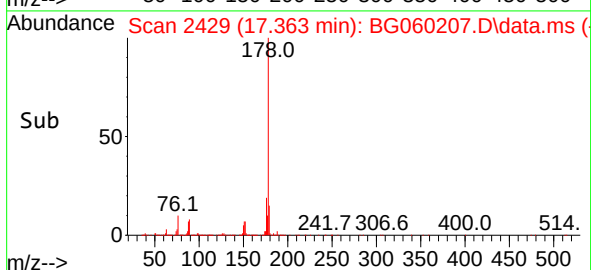
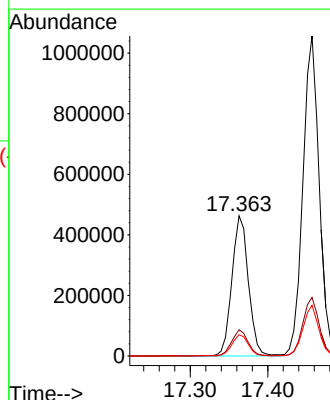
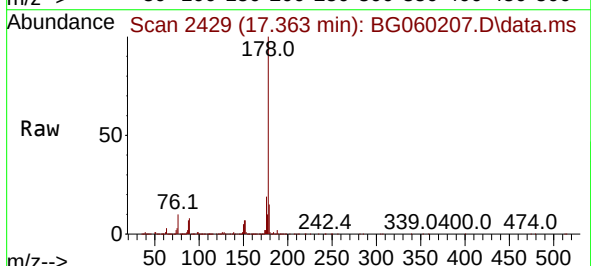
Tgt Ion:178 Resp: 687463

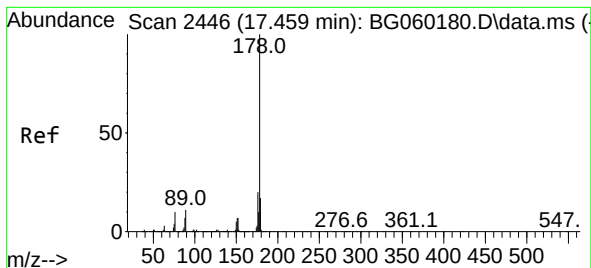
Ion Ratio Lower Upper

178 100

176 18.7 17.5 26.3

179 15.1 13.8 20.8





#72

Anthracene

Concen: 18.802 ng

RT: 17.457 min Scan# 2446

Delta R.T. -0.002 min

Lab File: BG060207.D

Acq: 3 Jan 2024 00:34

Instrument :

BNA_G

ClientSampleId :

GHL-SS-03

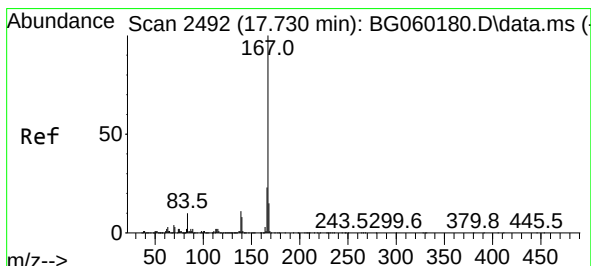
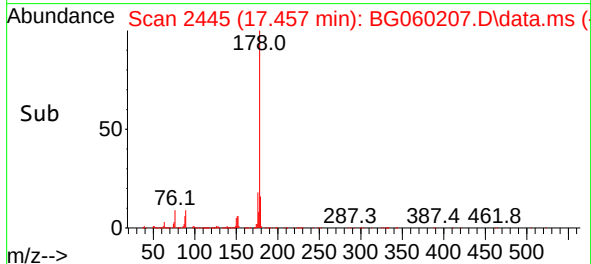
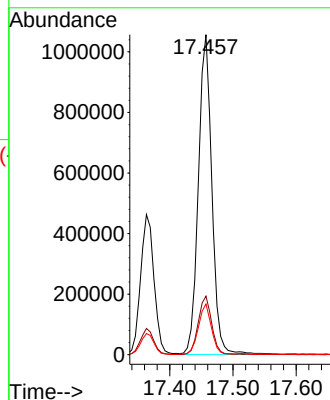
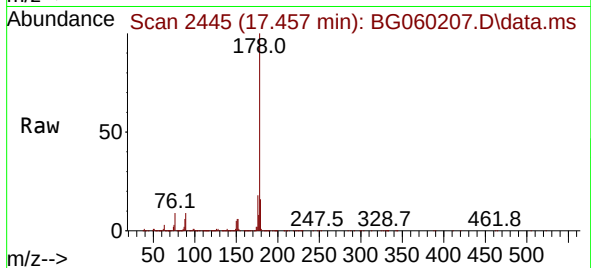
Tgt Ion:178 Resp: 1563025

Ion Ratio Lower Upper

178 100

176 18.3 16.2 24.2

179 15.8 14.0 21.0



#73

Carbazole

Concen: 6.332 ng

RT: 17.721 min Scan# 2490

Delta R.T. -0.008 min

Lab File: BG060207.D

Acq: 3 Jan 2024 00:34

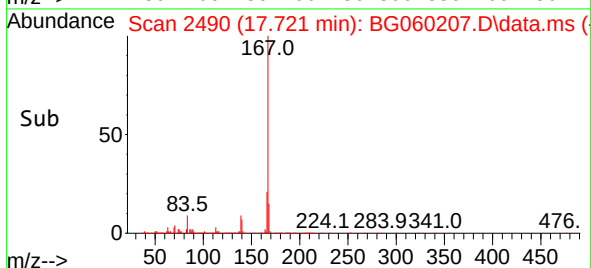
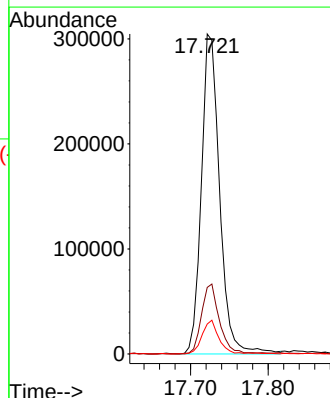
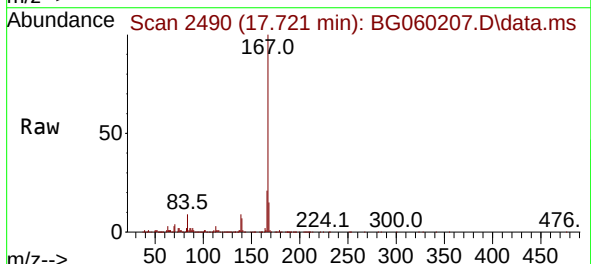
Tgt Ion:167 Resp: 499275

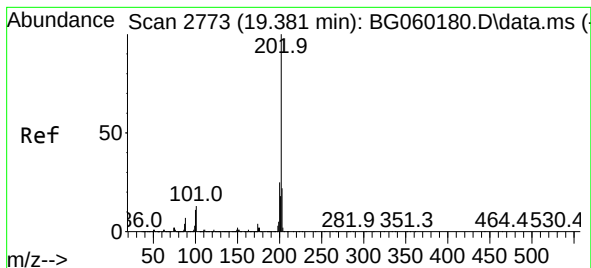
Ion Ratio Lower Upper

167 100

166 20.8 18.8 28.2

139 9.4 8.8 13.2





#75

Fluoranthene

Concen: 3.847 ng

RT: 19.378 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG060207.D

Acq: 3 Jan 2024 00:34

Instrument :

BNA_G

ClientSampleId :

GHL-SS-03

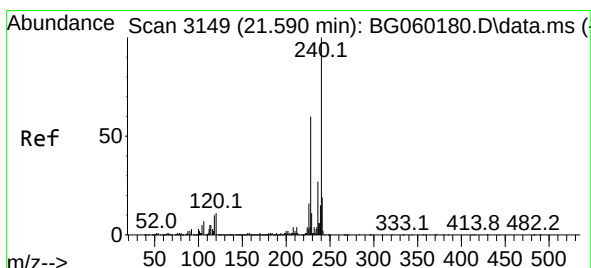
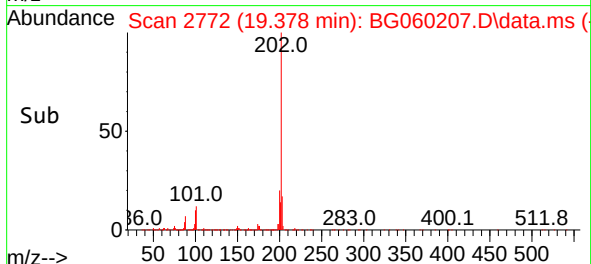
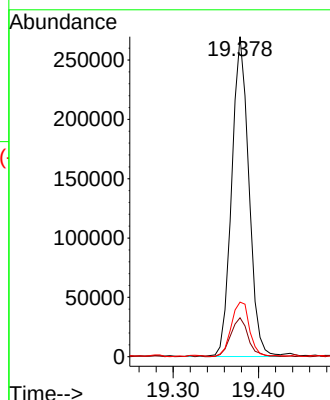
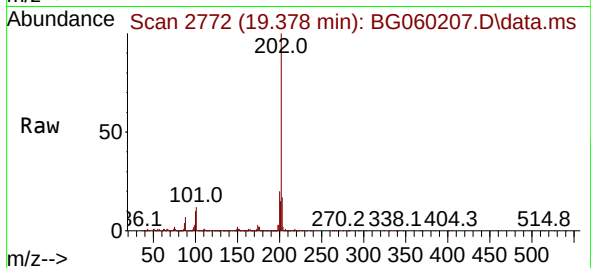
Tgt Ion:202 Resp: 377617

Ion Ratio Lower Upper

202 100

101 12.1 0.0 32.8

203 17.0 2.0 42.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.588 min Scan# 3148

Delta R.T. -0.002 min

Lab File: BG060207.D

Acq: 3 Jan 2024 00:34

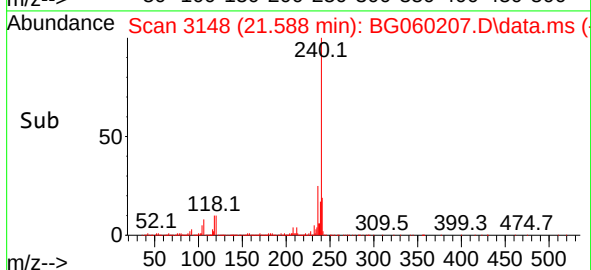
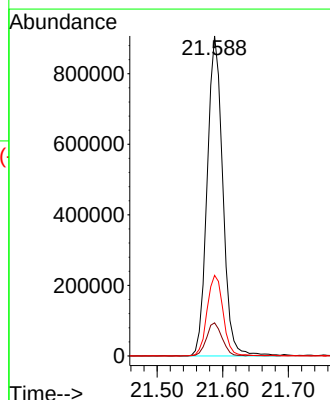
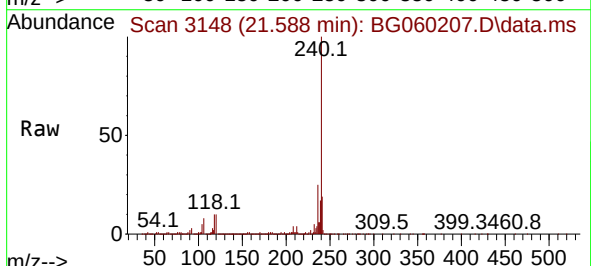
Tgt Ion:240 Resp: 1502508

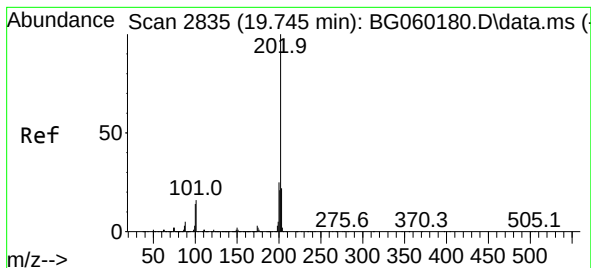
Ion Ratio Lower Upper

240 100

120 10.3 8.5 12.7

236 25.2 21.4 32.2





#78

Pyrene

Concen: 2.873 ng

RT: 19.743 min Scan# 2

Delta R.T. -0.002 min

Lab File: BG060207.D

Acq: 3 Jan 2024 00:34

Instrument :

BNA_G

ClientSampleId :

GHL-SS-03

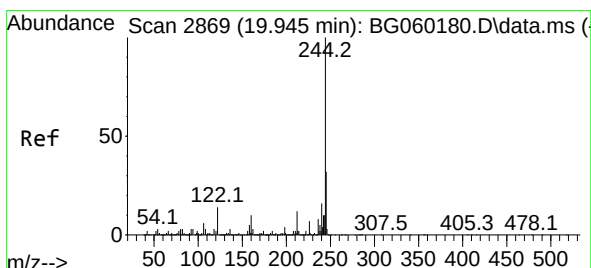
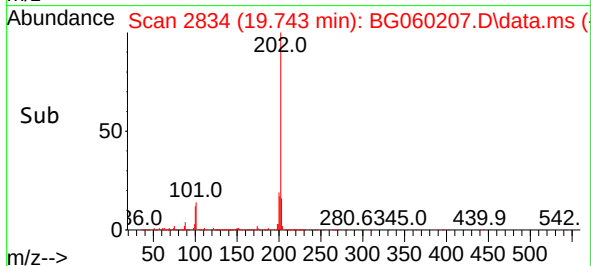
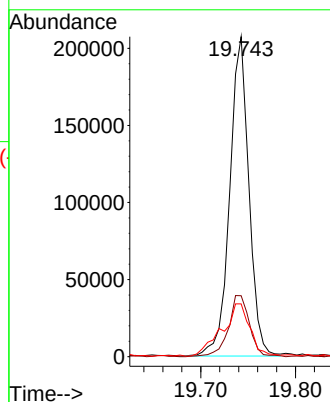
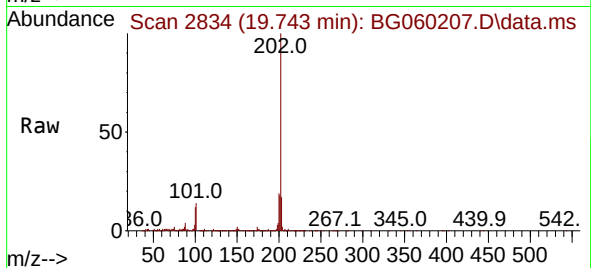
Tgt Ion:202 Resp: 290186

Ion Ratio Lower Upper

202 100

200 19.0 20.3 30.5#

203 16.5 17.8 26.6#



#79

Terphenyl-d14

Concen: 53.727 ng

RT: 19.942 min Scan# 2868

Delta R.T. -0.003 min

Lab File: BG060207.D

Acq: 3 Jan 2024 00:34

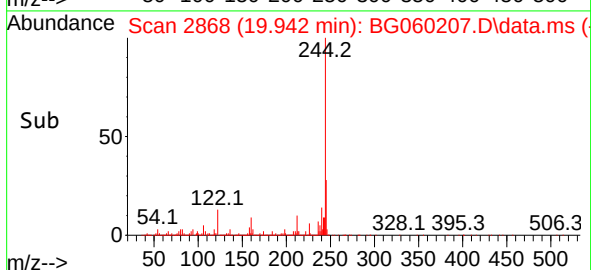
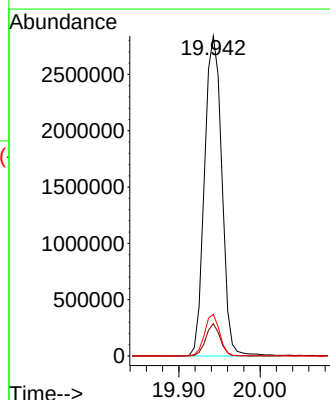
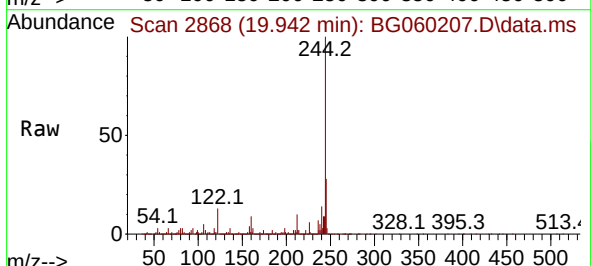
Tgt Ion:244 Resp: 4198969

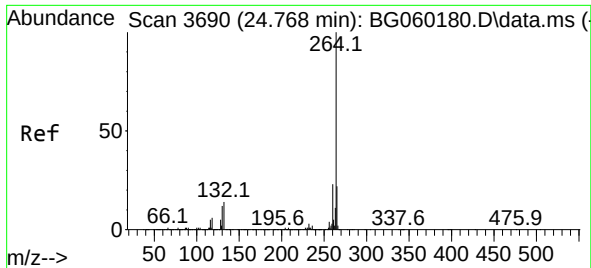
Ion Ratio Lower Upper

244 100

212 10.1 9.5 14.3

122 13.0 11.4 17.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.760 min Scan# 30
 Delta R.T. -0.008 min
 Lab File: BG060207.D
 Acq: 3 Jan 2024 00:34

Instrument :
 BNA_G
 ClientSampleId :
 GHL-SS-03

Tgt Ion:264 Resp: 1700328
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.0 27.0
 265 22.1 17.4 26.0

