

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010224\
 Data File : BG060211.D
 Acq On : 3 Jan 2024 3:16
 Operator : MA/JU
 Sample : 05899-24
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GHL-SS-19-2-4

Quant Time: Jan 03 05:06:06 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)

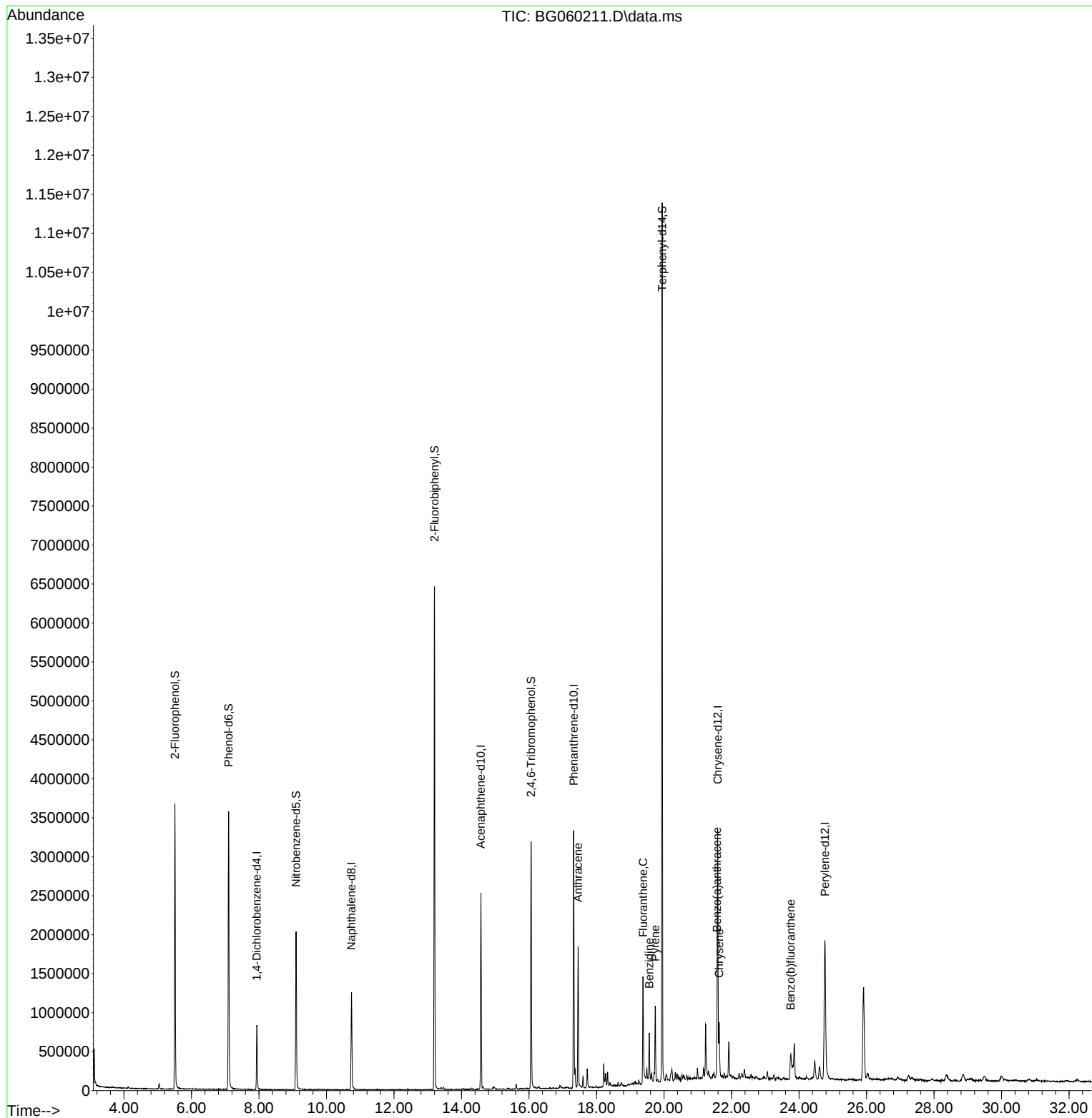
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.935	152	253974	20.000	ng	0.00
21) Naphthalene-d8	10.737	136	1105198	20.000	ng	0.00
39) Acenaphthene-d10	14.574	164	878081	20.000	ng	0.00
64) Phenanthrene-d10	17.324	188	2186977	20.000	ng	0.00
76) Chrysene-d12	21.589	240	1796086	20.000	ng	0.00
86) Perylene-d12	24.768	264	2018012	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.508	112	1658082	98.538	ng	0.00
7) Phenol-d6	7.100	99	2322543	92.961	ng	0.00
23) Nitrobenzene-d5	9.098	82	1377671	57.577	ng	0.00
42) 2,4,6-Tribromophenol	16.060	330	664446	56.529	ng	0.00
45) 2-Fluorobiphenyl	13.199	172	3534410	57.850	ng	0.00
79) Terphenyl-d14	19.944	244	4948656	52.969	ng	0.00
Target Compounds						
						Qvalue
72) Anthracene	17.453	178	1280216	11.923	ng	96
75) Fluoranthene	19.380	202	596215	4.702	ng	91
77) Benzidine	19.562	184	378139	7.607	ng	98
78) Pyrene	19.738	202	638695	5.290	ng	92
81) Benzo(a)anthracene	21.572	228	354238	3.102	ng	94
83) Chrysene	21.636	228	508433	4.583	ng	94
88) Benzo(b)fluoranthene	23.751	252	376518	3.105	ng	96

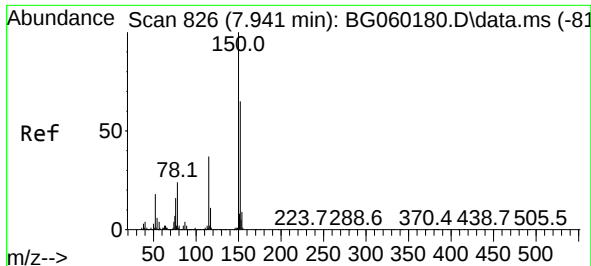
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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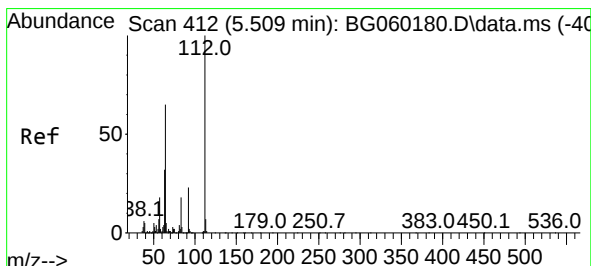
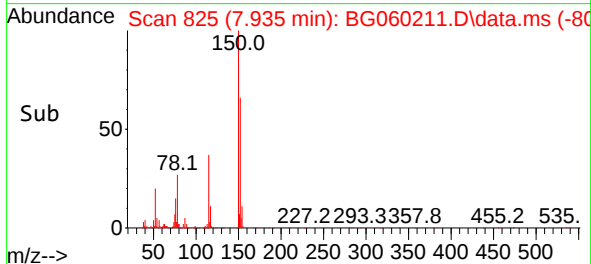
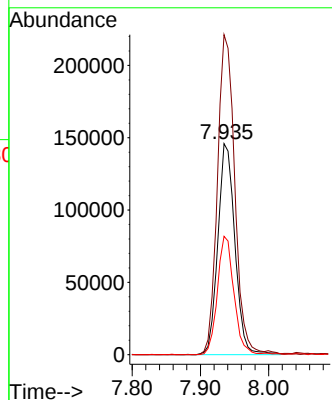
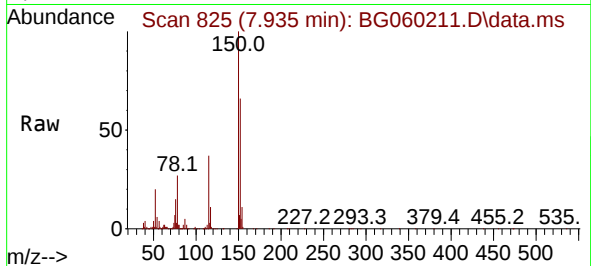




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.935 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG060211.D
Acq: 3 Jan 2024 3:16

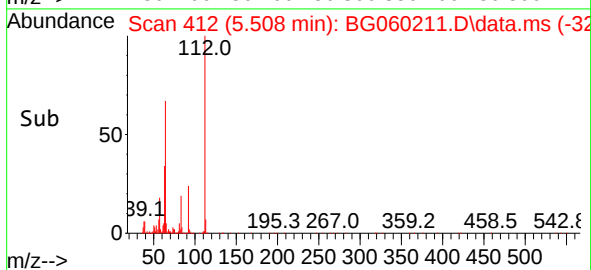
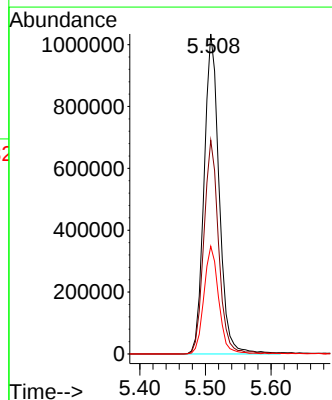
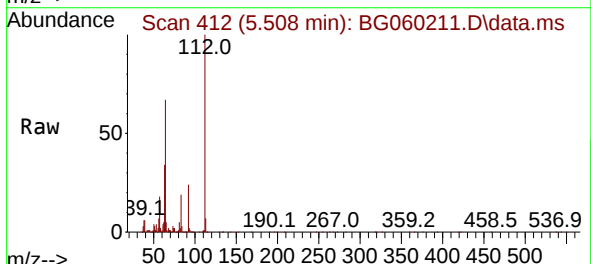
Instrument :
BNA_G
ClientSampleId :
GHL-SS-19-2-4

Tgt Ion:152 Resp: 253974
Ion Ratio Lower Upper
152 100
150 151.6 123.4 185.0
115 56.1 45.4 68.0



#5
2-Fluorophenol
Concen: 98.538 ng
RT: 5.508 min Scan# 412
Delta R.T. -0.001 min
Lab File: BG060211.D
Acq: 3 Jan 2024 3:16

Tgt Ion:112 Resp: 1658082
Ion Ratio Lower Upper
112 100
64 66.8 52.2 78.4
63 33.7 25.4 38.0

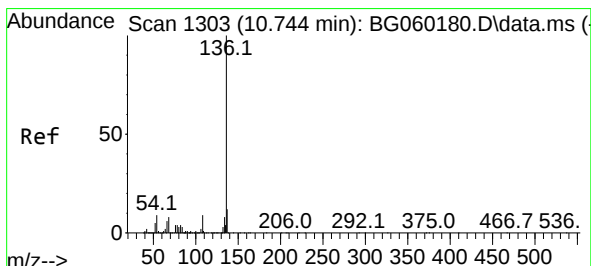
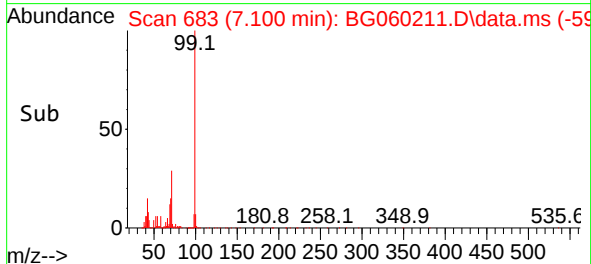
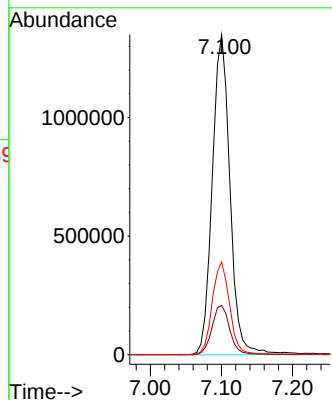
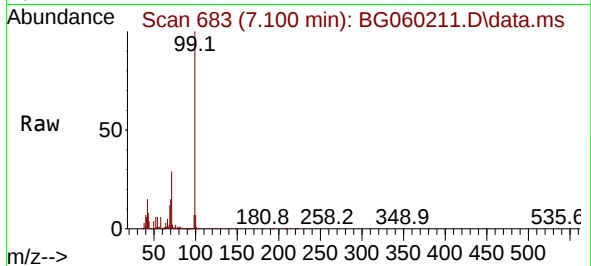




#7
Phenol-d6
Concen: 92.961 ng
RT: 7.100 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG060211.D
Acq: 3 Jan 2024 3:16

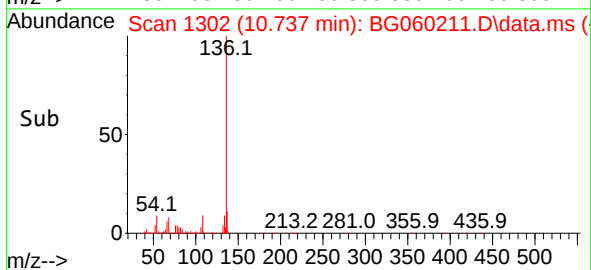
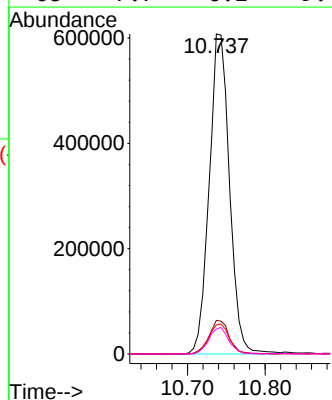
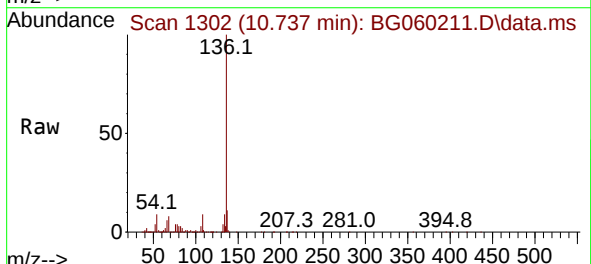
Instrument :
BNA_G
ClientSampleId :
GHL-SS-19-2-4

Tgt Ion: 99 Resp: 2322543
Ion Ratio Lower Upper
99 100
42 15.4 12.5 18.7
71 28.9 24.1 36.1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.737 min Scan# 1302
Delta R.T. -0.007 min
Lab File: BG060211.D
Acq: 3 Jan 2024 3:16

Tgt Ion: 136 Resp: 1105198
Ion Ratio Lower Upper
136 100
137 10.5 9.4 14.0
54 9.0 7.4 11.2
68 7.7 6.2 9.4





#23

Nitrobenzene-d5

Concen: 57.577 ng

RT: 9.098 min Scan# 1024

Delta R.T. -0.007 min

Lab File: BG060211.D

Acq: 3 Jan 2024 3:16

Instrument :

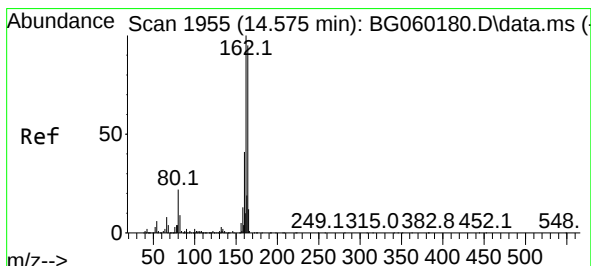
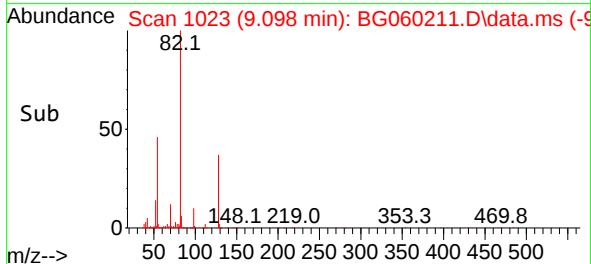
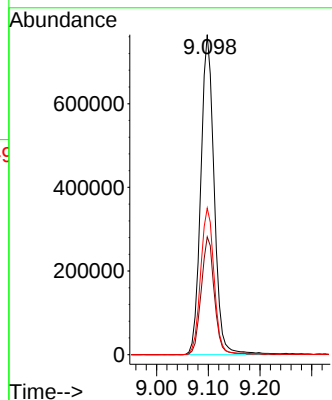
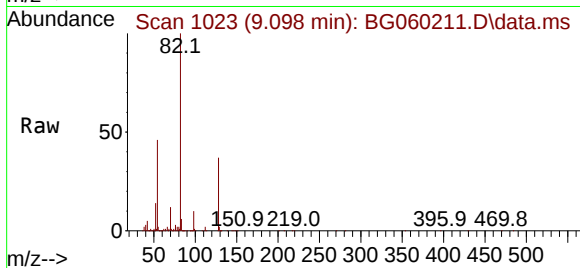
BNA_G

ClientSampleId :

GHL-SS-19-2-4

Tgt Ion: 82 Resp: 1377671

Ion	Ratio	Lower	Upper
82	100		
128	36.8	28.7	43.1
54	45.8	36.9	55.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.574 min Scan# 1955

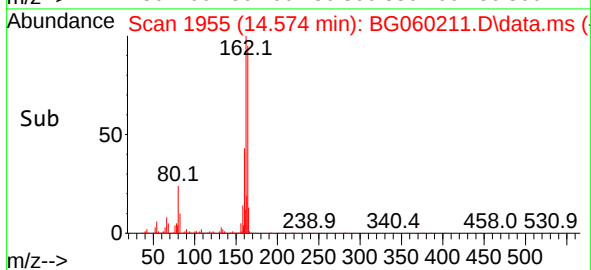
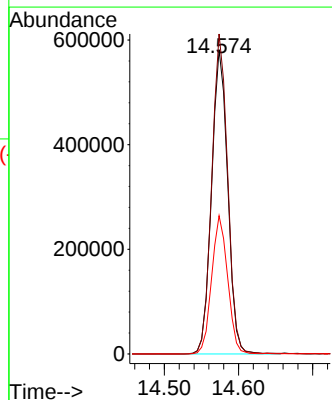
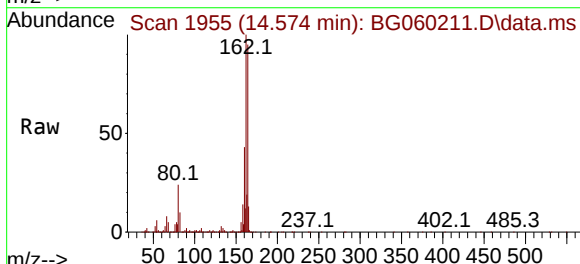
Delta R.T. -0.001 min

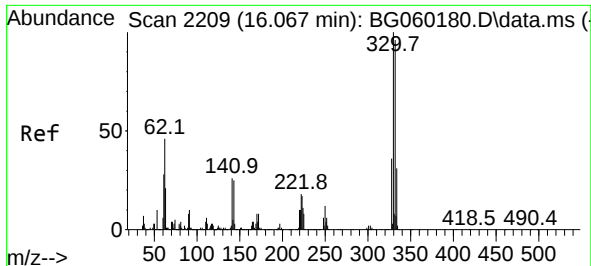
Lab File: BG060211.D

Acq: 3 Jan 2024 3:16

Tgt Ion: 164 Resp: 878081

Ion	Ratio	Lower	Upper
164	100		
162	105.2	83.9	125.9
160	45.4	34.2	51.4

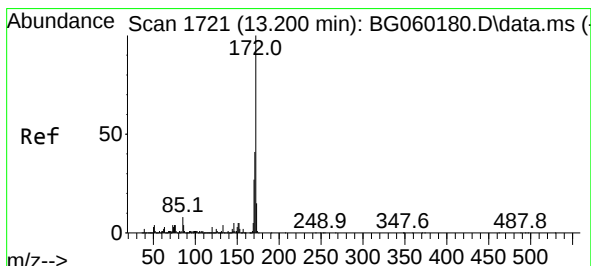
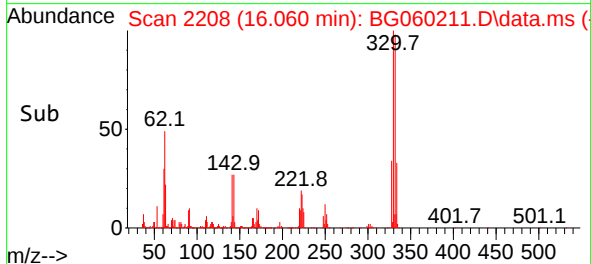
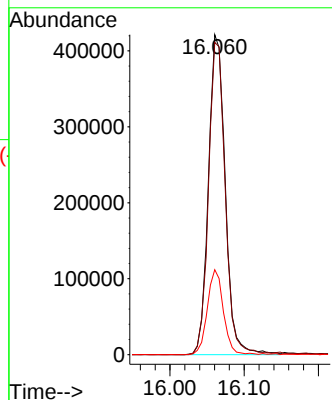
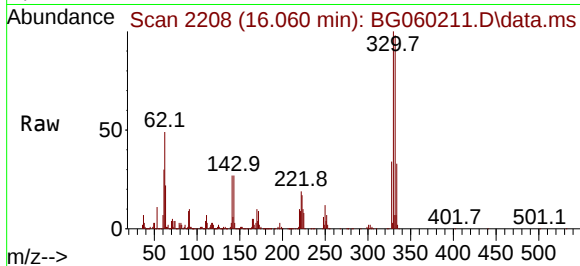




#42
2,4,6-Tribromophenol
Concen: 56.529 ng
RT: 16.060 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG060211.D
Acq: 3 Jan 2024 3:16

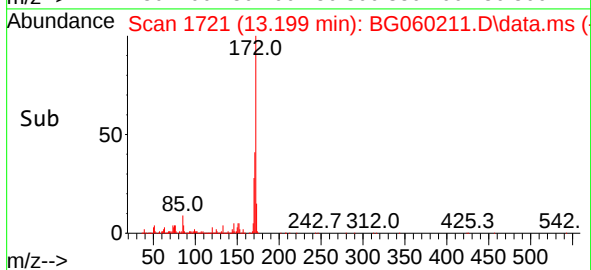
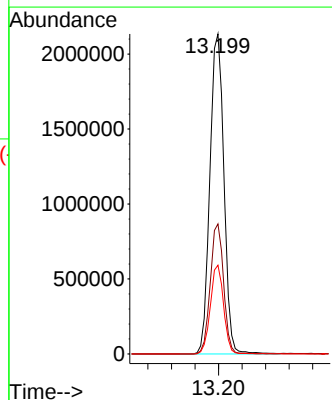
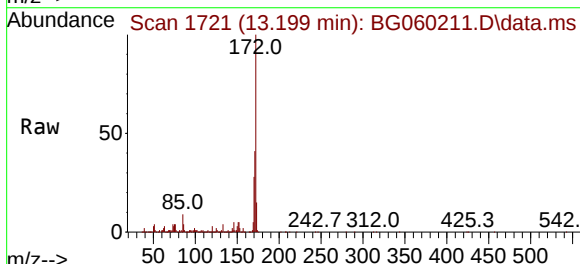
Instrument :
BNA_G
ClientSampleId :
GHL-SS-19-2-4

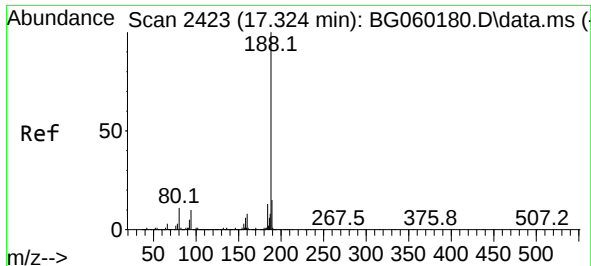
Tgt Ion:330 Resp: 664446
Ion Ratio Lower Upper
330 100
332 96.9 76.7 115.1
141 25.3 21.0 31.4



#45
2-Fluorobiphenyl
Concen: 57.850 ng
RT: 13.199 min Scan# 1721
Delta R.T. -0.001 min
Lab File: BG060211.D
Acq: 3 Jan 2024 3:16

Tgt Ion:172 Resp: 3534410
Ion Ratio Lower Upper
172 100
171 40.7 32.6 48.8
170 27.8 21.8 32.6

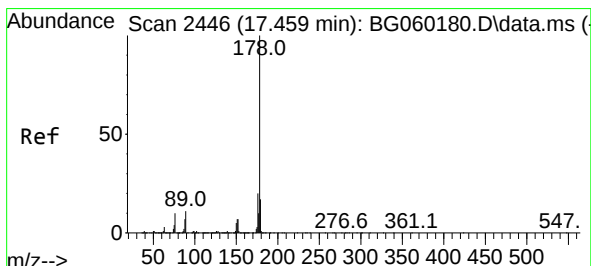
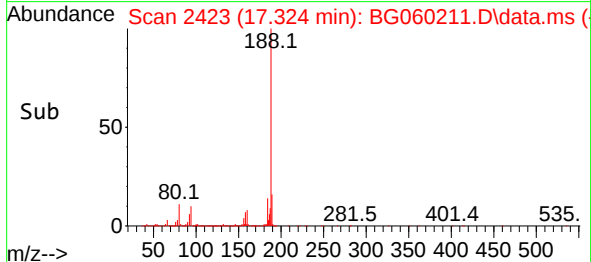
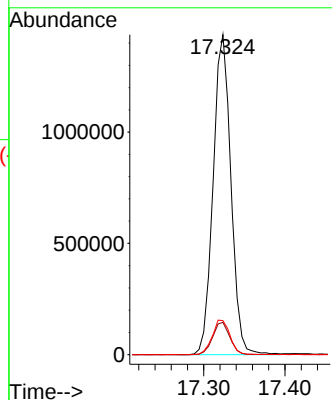
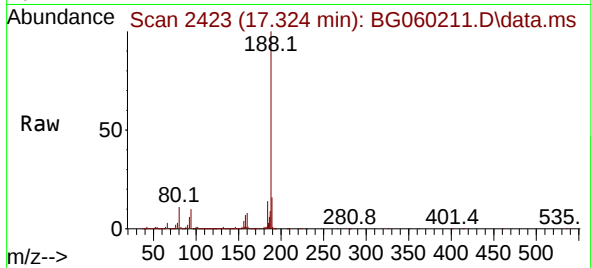




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.324 min Scan# 2423
Delta R.T. -0.001 min
Lab File: BG060211.D
Acq: 3 Jan 2024 3:16

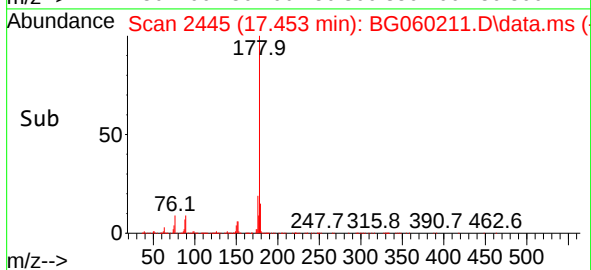
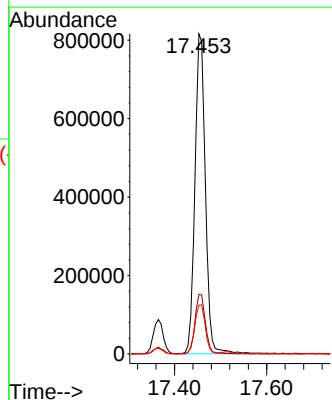
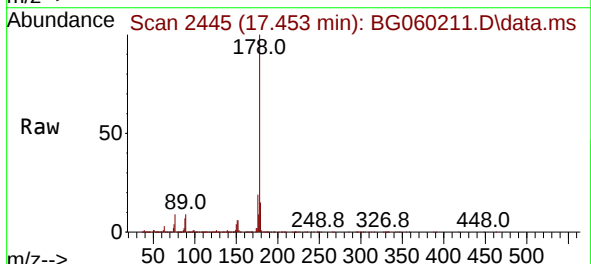
Instrument :
BNA_G
ClientSampleId :
GHL-SS-19-2-4

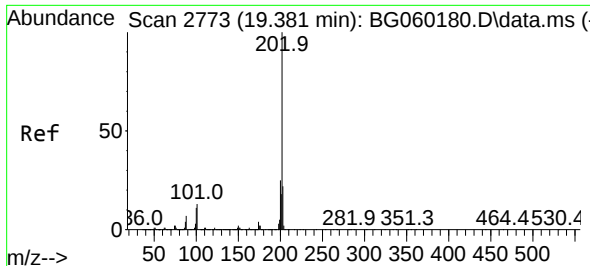
Tgt Ion:188 Resp: 2186977
Ion Ratio Lower Upper
188 100
94 10.1 7.8 11.6
80 10.7 8.6 13.0



#72
Anthracene
Concen: 11.923 ng
RT: 17.453 min Scan# 2445
Delta R.T. -0.007 min
Lab File: BG060211.D
Acq: 3 Jan 2024 3:16

Tgt Ion:178 Resp: 1280216
Ion Ratio Lower Upper
178 100
176 18.7 16.2 24.2
179 15.3 14.0 21.0

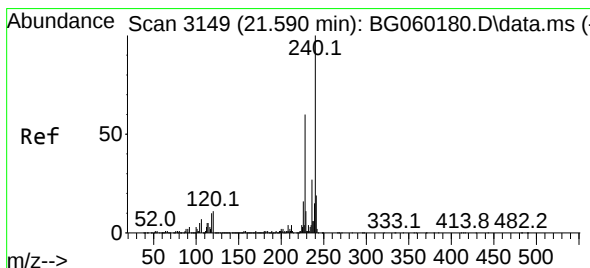
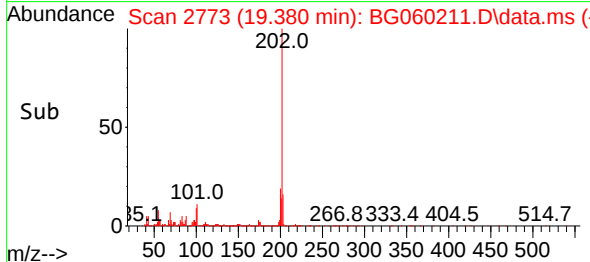
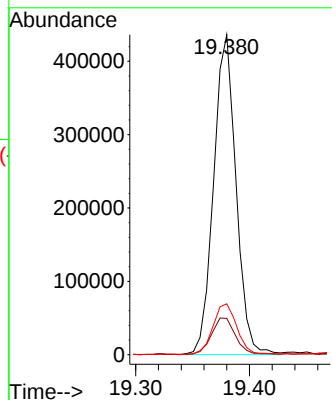
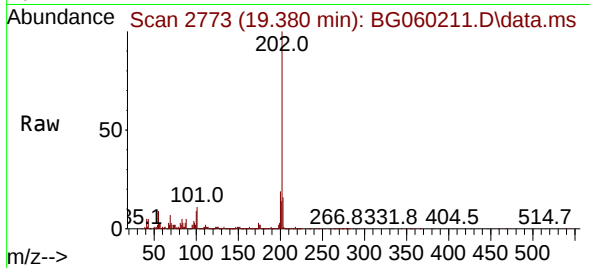




#75
Fluoranthene
Concen: 4.702 ng
RT: 19.380 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG060211.D
Acq: 3 Jan 2024 3:16

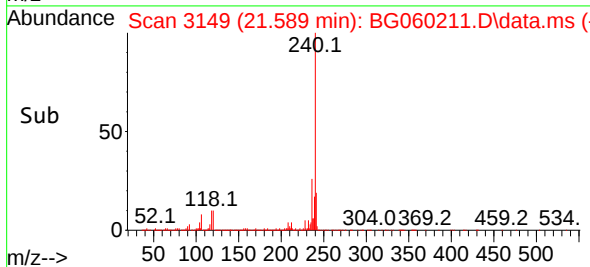
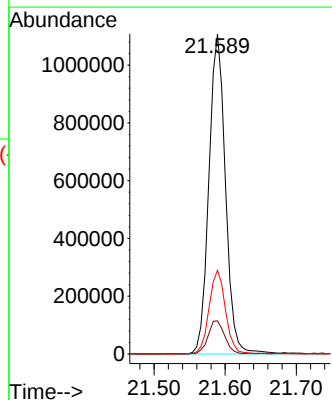
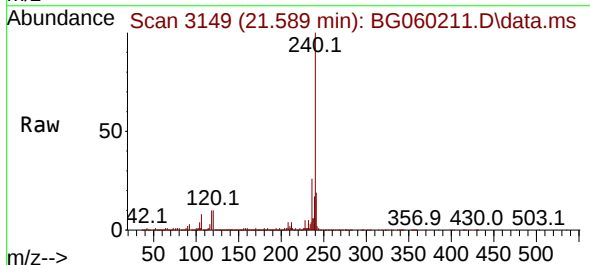
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GHL-SS-19-2-4

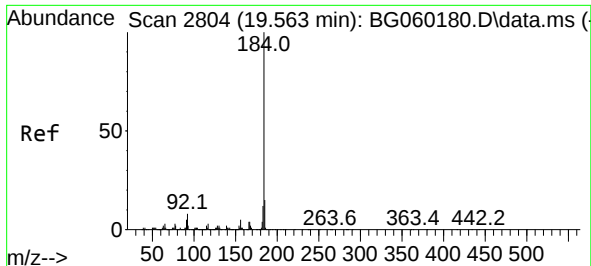
Tgt Ion:202 Resp: 596215
Ion Ratio Lower Upper
202 100
101 11.4 0.0 32.8
203 15.9 2.0 42.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.589 min Scan# 3149
Delta R.T. -0.001 min
Lab File: BG060211.D
Acq: 3 Jan 2024 3:16

Tgt Ion:240 Resp: 1796086
Ion Ratio Lower Upper
240 100
120 10.3 8.5 12.7
236 26.1 21.4 32.2

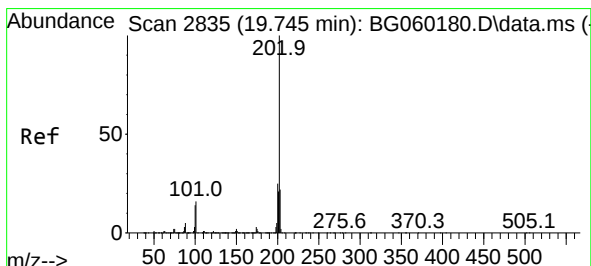
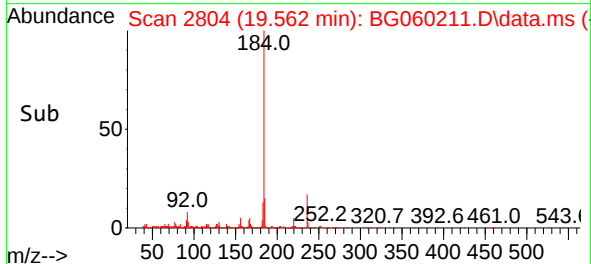
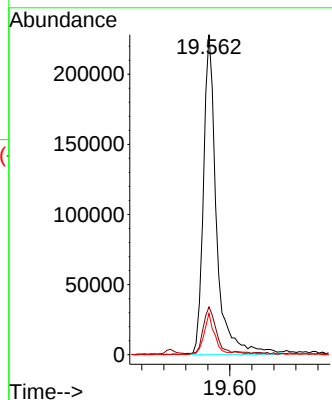
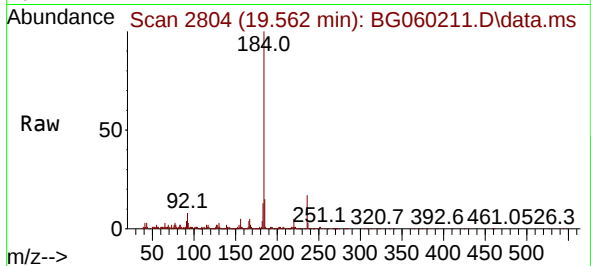




#77
Benzidine
Concen: 7.607 ng
RT: 19.562 min Scan# 2804
Delta R.T. -0.001 min
Lab File: BG060211.D
Acq: 3 Jan 2024 3:16

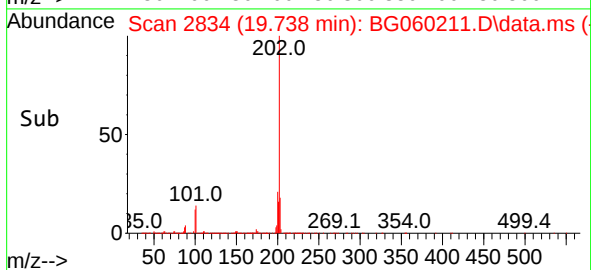
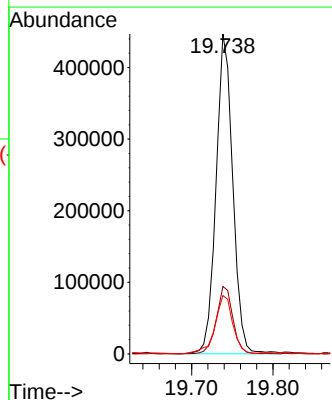
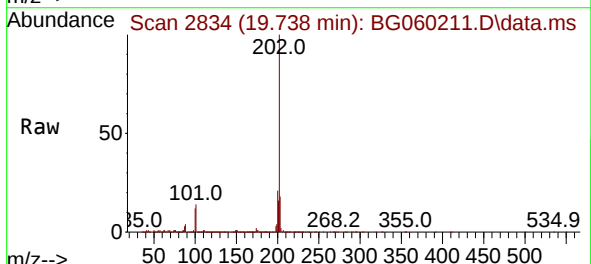
Instrument :
BNA_G
ClientSampleId :
GHL-SS-19-2-4

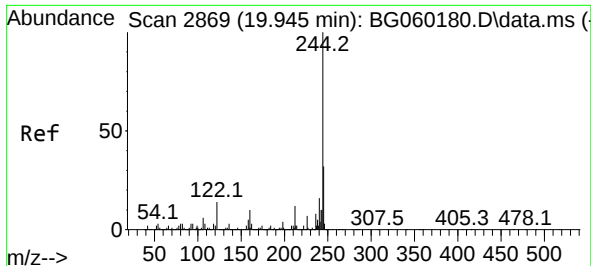
Tgt Ion:184 Resp: 378139
Ion Ratio Lower Upper
184 100
185 15.0 11.7 17.5
183 12.9 9.4 14.2



#78
Pyrene
Concen: 5.290 ng
RT: 19.738 min Scan# 2834
Delta R.T. -0.007 min
Lab File: BG060211.D
Acq: 3 Jan 2024 3:16

Tgt Ion:202 Resp: 638695
Ion Ratio Lower Upper
202 100
200 21.1 20.3 30.5
203 18.3 17.8 26.6

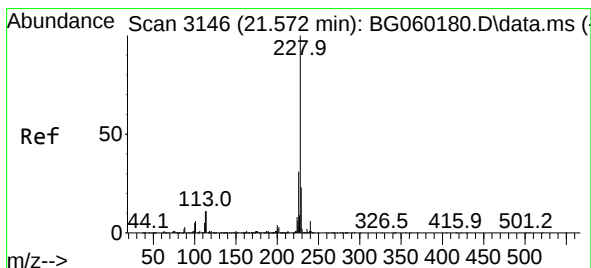
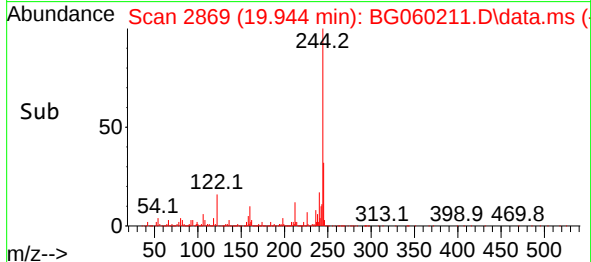
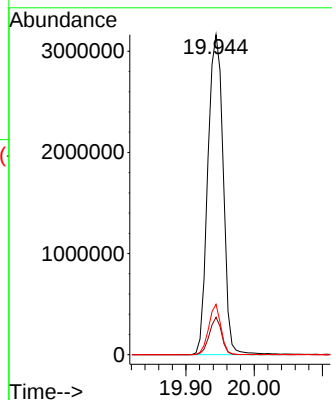
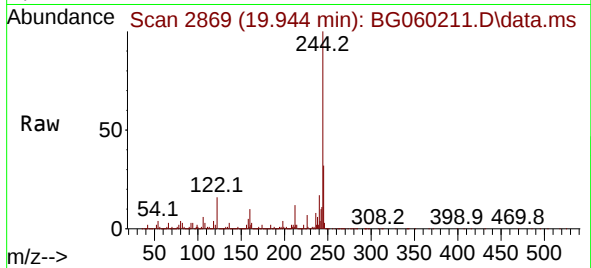




#79
 Terphenyl-d14
 Concen: 52.969 ng
 RT: 19.944 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG060211.D
 Acq: 3 Jan 2024 3:16

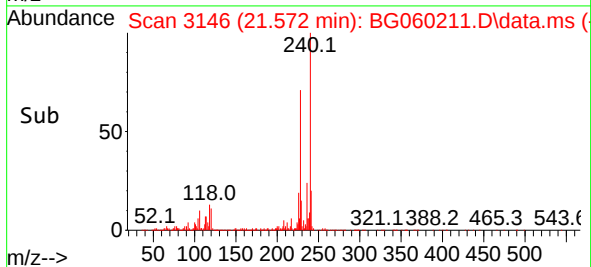
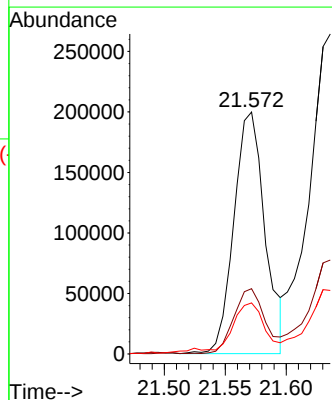
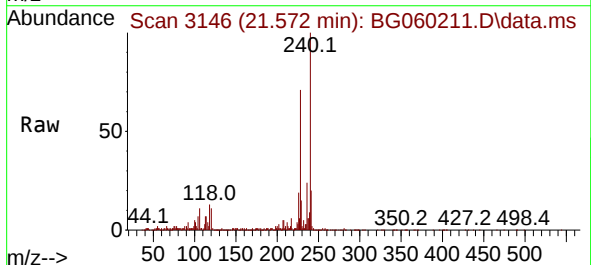
Instrument :
 BNA_G
 ClientSampleId :
 GHL-SS-19-2-4

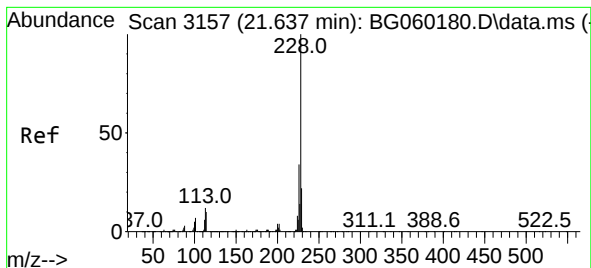
Tgt Ion:244 Resp: 4948656
 Ion Ratio Lower Upper
 244 100
 212 11.7 9.5 14.3
 122 15.8 11.4 17.2



#81
 Benzo(a)anthracene
 Concen: 3.102 ng
 RT: 21.572 min Scan# 3146
 Delta R.T. -0.001 min
 Lab File: BG060211.D
 Acq: 3 Jan 2024 3:16

Tgt Ion:228 Resp: 354238
 Ion Ratio Lower Upper
 228 100
 226 27.0 24.6 36.8
 229 21.1 18.4 27.6





#83

Chrysene

Concen: 4.583 ng

RT: 21.636 min Scan# 3157

Delta R.T. -0.001 min

Lab File: BG060211.D

Acq: 3 Jan 2024 3:16

Instrument :

BNA_G

ClientSampleId :

GHL-SS-19-2-4

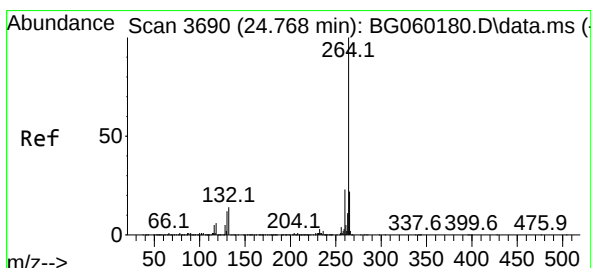
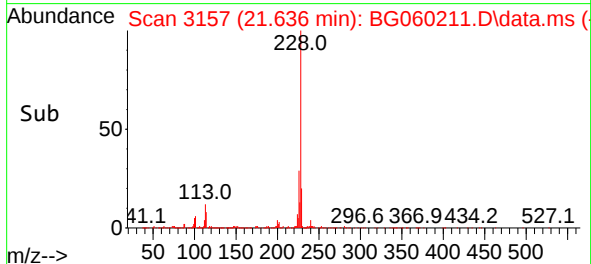
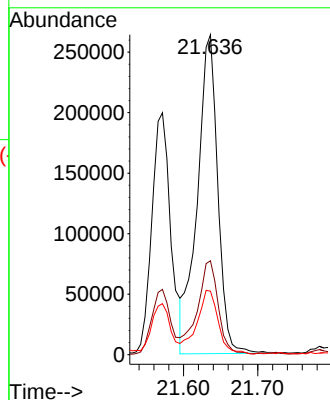
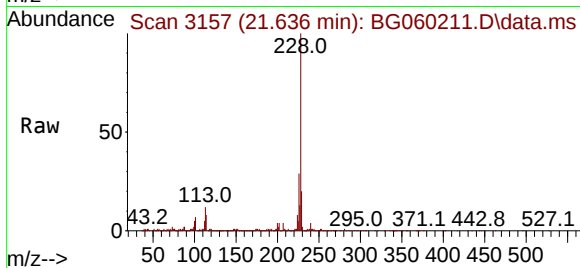
Tgt Ion:228 Resp: 508433

Ion Ratio Lower Upper

228 100

226 29.3 26.8 40.2

229 19.9 17.7 26.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.768 min Scan# 3690

Delta R.T. -0.001 min

Lab File: BG060211.D

Acq: 3 Jan 2024 3:16

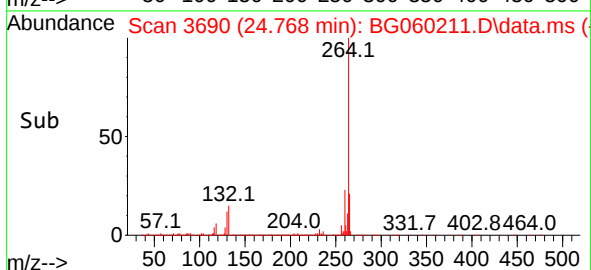
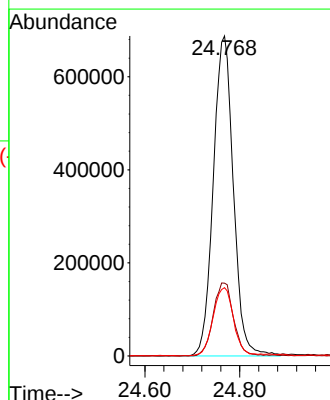
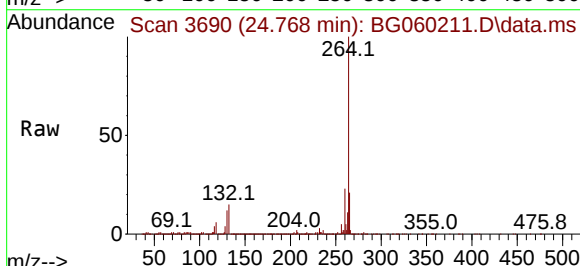
Tgt Ion:264 Resp: 2018012

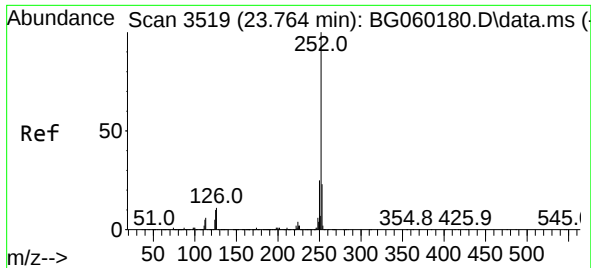
Ion Ratio Lower Upper

264 100

260 22.7 18.0 27.0

265 21.4 17.4 26.0





#88
 Benzo(b)fluoranthene
 Concen: 3.105 ng
 RT: 23.751 min Scan# 31
 Delta R.T. -0.012 min
 Lab File: BG060211.D
 Acq: 3 Jan 2024 3:16

Instrument :
 BNA_G
 ClientSampleId :
 GHL-SS-19-2-4

Tgt Ion:252 Resp: 376518
 Ion Ratio Lower Upper
 252 100
 253 21.2 18.4 27.6
 125 11.5 8.0 12.0

