

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
 Data File : BG061572.D
 Acq On : 8 Jun 2024 19:38
 Operator : MA/JU
 Sample : P2647-13
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBS7

Quant Time: Jun 09 23:03:00 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 06 12:15:45 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.870	152	27692	20.000	ng/u1	0.00
20) Naphthalene-d8	10.666	136	105994	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.515	164	79223	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.264	188	184744	20.000	ng/u1	0.00
79) Chrysene-d12	21.530	240	196622	20.000	ng/u1	0.01
88) Perylene-d12	24.638	264	217727	20.000	ng/u1	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.334	96	1969	3.979	ng/uL	-0.02
4) Pyridine-d5	3.745	84	10966	6.229	ng/u1	-0.02
7) Phenol-d5	7.070	99	50279	22.110	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.200	67	29366	20.545	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.417	132	40745	24.210	ng/u1	0.00
15) 4-Methylphenol-d8	8.604	113	36828	18.992	ng/u1	0.00
21) Nitrobenzene-d5	9.033	128	21645	26.523	ng/u1	0.00
24) 2-Nitrophenol-d4	9.756	143	25331	26.522	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.308	165	52757	28.334	ng/u1	0.00
31) 4-Chloroaniline-d4	10.807	131	15852	6.507	ng/u1	0.00
46) Dimethylphthalate-d6	13.915	166	162806	26.497	ng/u1	0.00
49) Acenaphthylene-d8	14.203	160	174698	27.348	ng/u1	0.00
54) 4-Nitrophenol-d4	14.773	143	14912	19.630	ng/u1	0.02
60) Fluorene-d10	15.508	176	142007	26.770	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.660	200	15358	13.745	ng/u1	0.01
73) Anthracene-d10	17.364	188	232575	28.555	ng/u1	0.00
81) Pyrene-d10	19.662	212	258372	25.592	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.421	264	218715	20.895	ng/u1	0.02
Target Compounds						
					Qvalue	
30) Naphthalene	10.713	128	14411	2.576	ng/u1	97
36) 2-Methylnaphthalene	12.329	142	8402	2.071	ng/u1	96
37) 1-Methylnaphthalene	12.552	142	8581	2.061	ng/u1	92
50) Acenaphthylene	14.239	152	8728	1.232	ng/u1#	91
52) Acenaphthene	14.573	153	16245	3.496	ng/u1	94
56) Dibenzofuran	14.914	168	10760	1.620	ng/u1	98
61) Fluorene	15.561	166	14820	2.578	ng/u1#	94
72) Phenanthrene	17.311	178	406379	45.321	ng/u1	98
74) Anthracene	17.400	178	52851	5.701	ng/u1	99
77) Carbazole	17.670	167	25571	3.391	ng/u1	95
78) Di-n-butylphthalate	18.228	149	12395	1.312	ng/u1#	93
80) Fluoranthene	19.333	202	759250	62.691	ng/u1	97
82) Pyrene	19.691	202	673713	53.591	ng/u1	98
83) Butylbenzylphthalate	20.578	149	9203	2.131	ng/u1	95
85) Benzo(a)anthracene	21.512	228	452298	33.338	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.412	149	150659	23.568	ng/u1#	96
87) Chrysene	21.577	228	480927	38.498	ng/u1	96
90) Benzo(b)fluoranthene	23.657	252	586391	45.235	ng/u1	99
91) Benzo(k)fluoranthene	23.657	252	586391	44.558	ng/u1	96
93) Benzo(a)pyrene	24.491	252	243719	19.799	ng/u1	93
94) Indeno(1,2,3-cd)pyrene	28.169	276	140933	9.467	ng/u1	99
95) Dibenzo(a,h)anthracene	28.187	278	28098	2.289	ng/u1#	89

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 06 12:15:45 2024
Response via : Initial Calibration

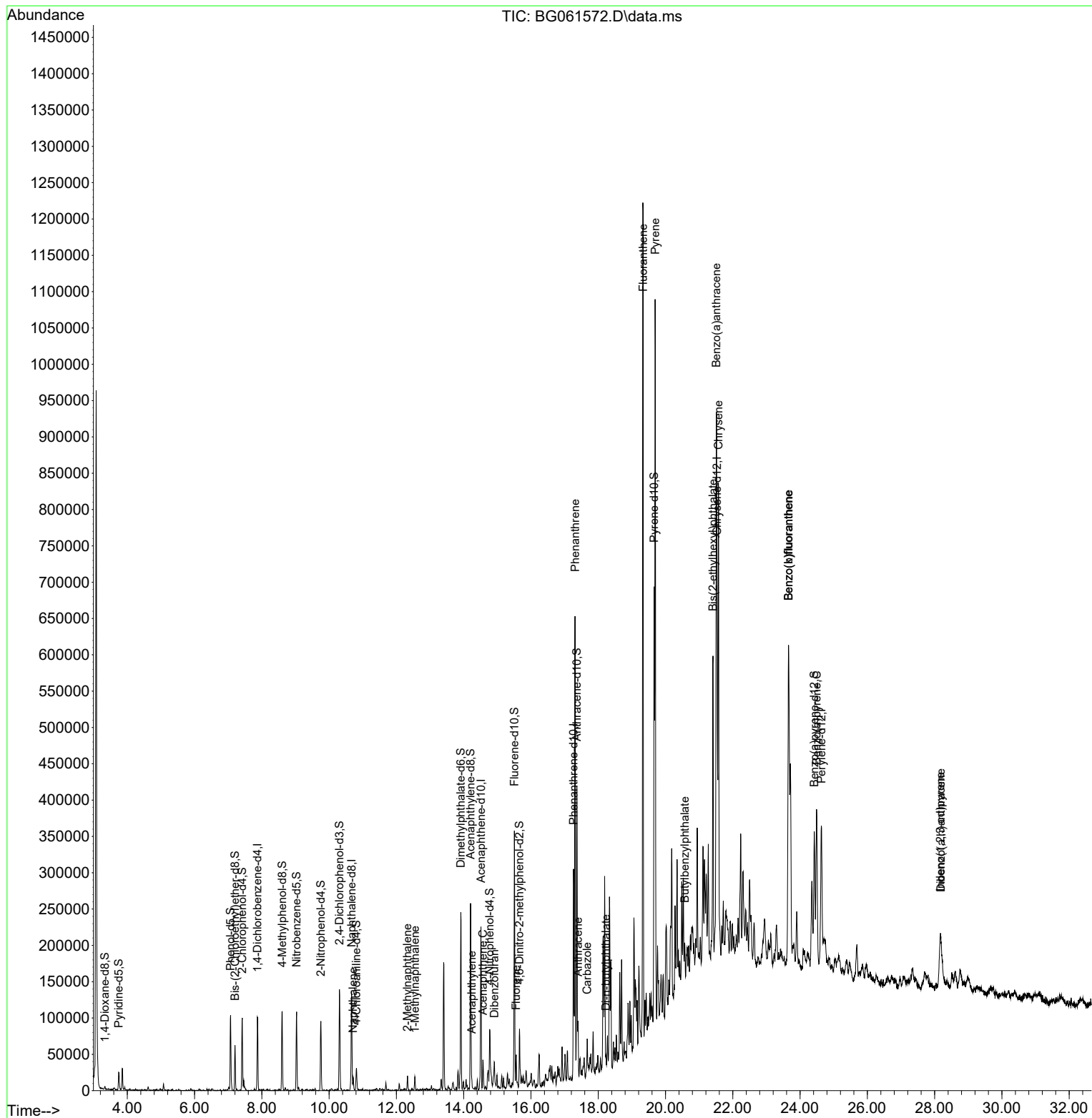
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

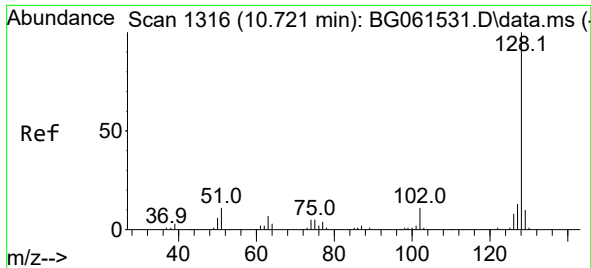
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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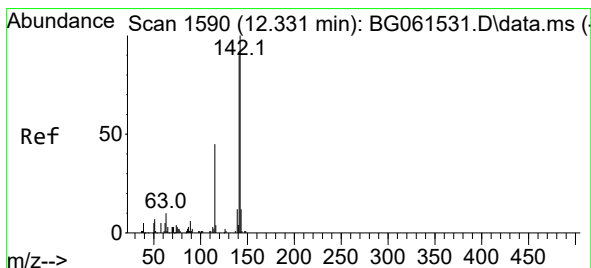
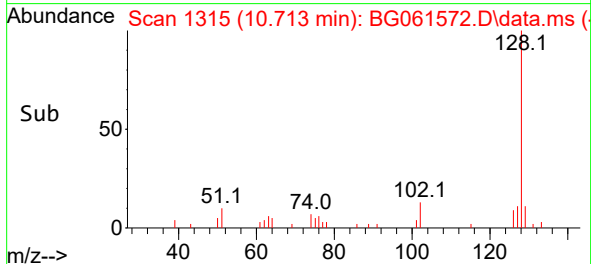
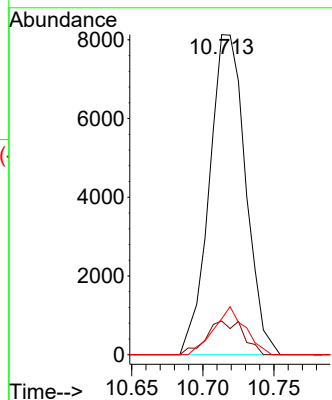
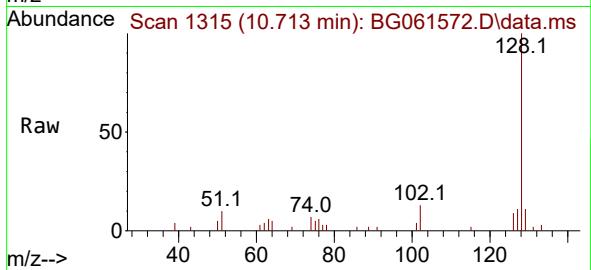




#30
Naphthalene
Concen: 2.576 ng/ul
RT: 10.713 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG061572.D
Acq: 8 Jun 2024 19:38

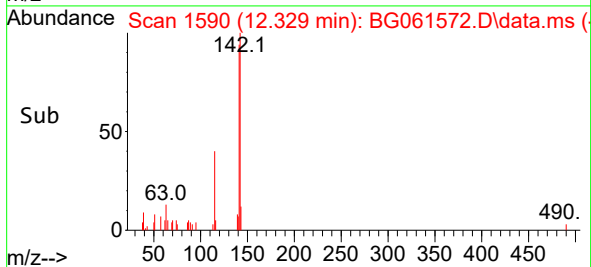
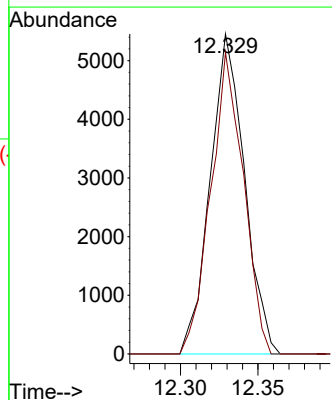
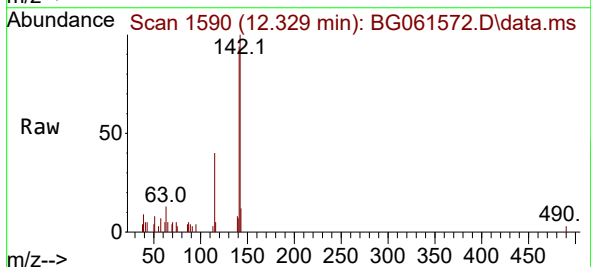
Instrument :
BNA_G
ClientSampleId :
BHBS7

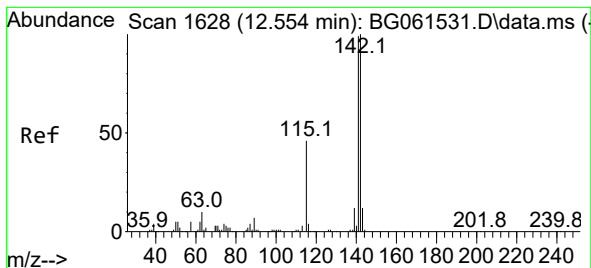
Tgt Ion:128 Resp: 14411
Ion Ratio Lower Upper
128 100
129 10.5 8.6 12.8
127 11.2 10.8 16.2



#36
2-Methylnaphthalene
Concen: 2.071 ng/ul
RT: 12.329 min Scan# 1590
Delta R.T. -0.001 min
Lab File: BG061572.D
Acq: 8 Jun 2024 19:38

Tgt Ion:142 Resp: 8402
Ion Ratio Lower Upper
142 100
141 94.2 72.2 108.2





#37

1-Methylnaphthalene

Concen: 2.061 ng/ul

RT: 12.552 min Scan# 1

Delta R.T. 0.005 min

Lab File: BG061572.D

Acq: 8 Jun 2024 19:38

Instrument :

BNA_G

ClientSampleId :

BHBS7

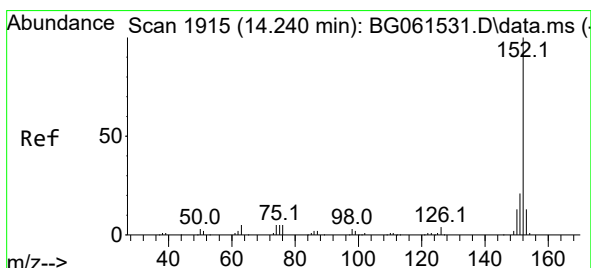
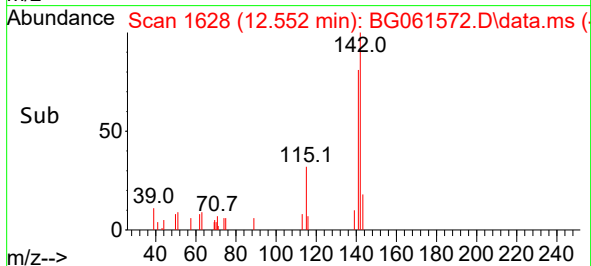
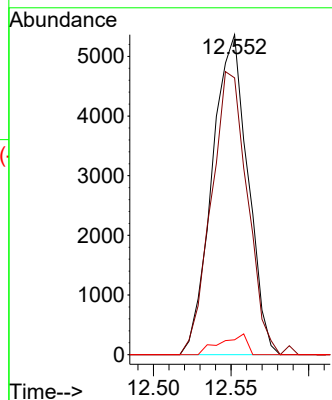
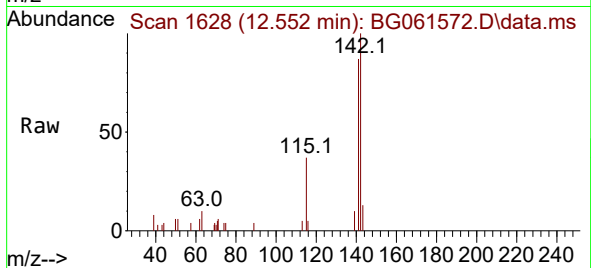
Tgt Ion:142 Resp: 8581

Ion Ratio Lower Upper

142 100

141 86.5 75.5 113.3

116 4.7 4.0 6.0



#50

Acenaphthylene

Concen: 1.232 ng/ul

RT: 14.239 min Scan# 1915

Delta R.T. 0.005 min

Lab File: BG061572.D

Acq: 8 Jun 2024 19:38

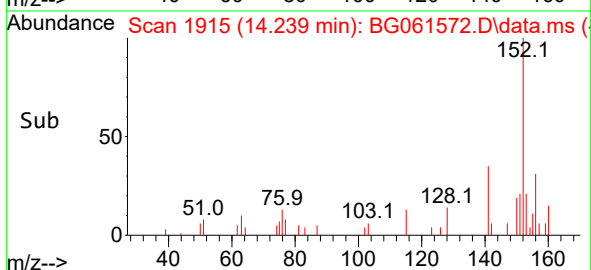
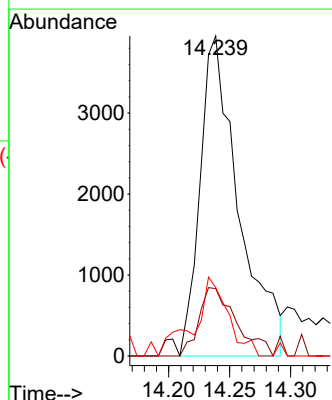
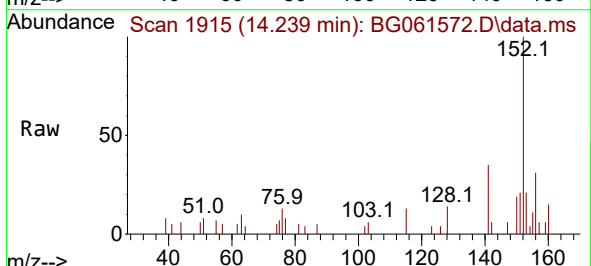
Tgt Ion:152 Resp: 8728

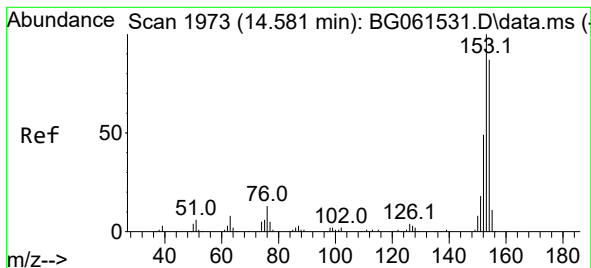
Ion Ratio Lower Upper

152 100

151 21.0 16.2 24.2

153 21.3 10.2 15.4#





#52

Acenaphthene

Concen: 3.496 ng/ul

RT: 14.573 min Scan# 1973

Delta R.T. -0.001 min

Lab File: BG061572.D

Acq: 8 Jun 2024 19:38

Instrument :

BNA_G

ClientSampleId :

BHBS7

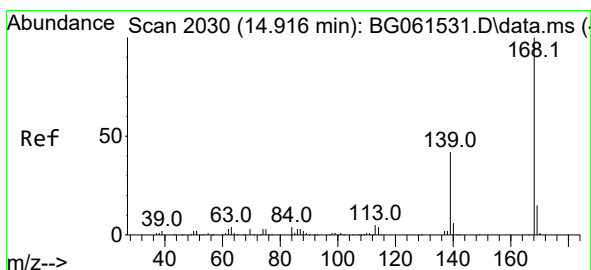
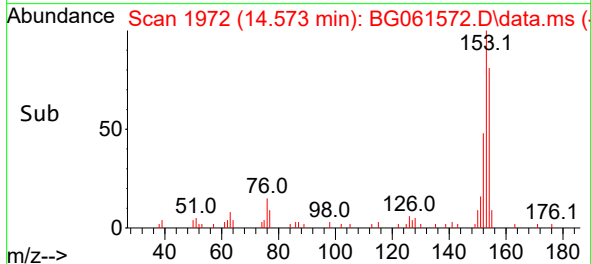
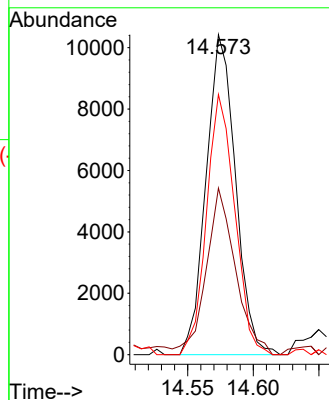
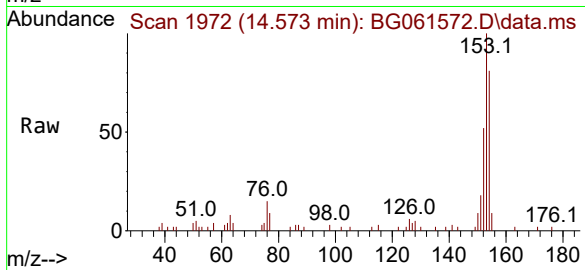
Tgt Ion:153 Resp: 16245

Ion Ratio Lower Upper

153 100

152 52.1 37.8 56.8

154 81.3 69.0 103.6



#56

Dibenzofuran

Concen: 1.620 ng/ul

RT: 14.914 min Scan# 2030

Delta R.T. 0.005 min

Lab File: BG061572.D

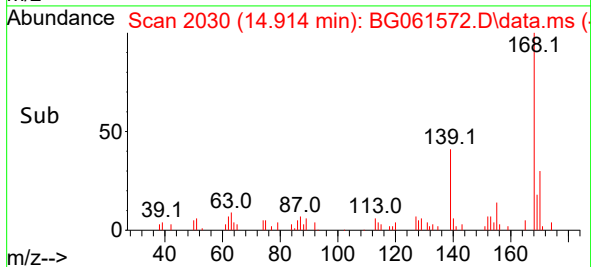
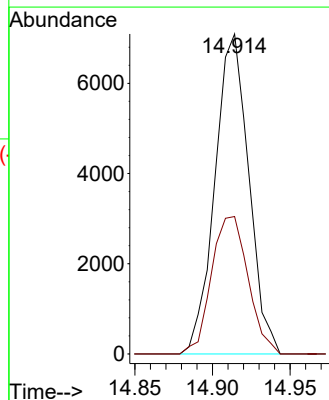
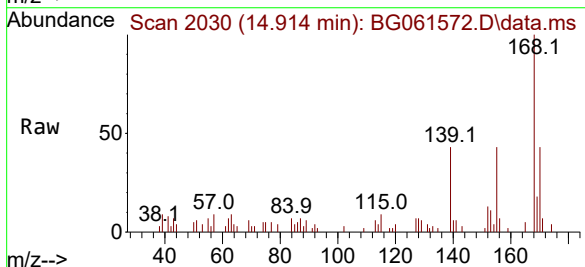
Acq: 8 Jun 2024 19:38

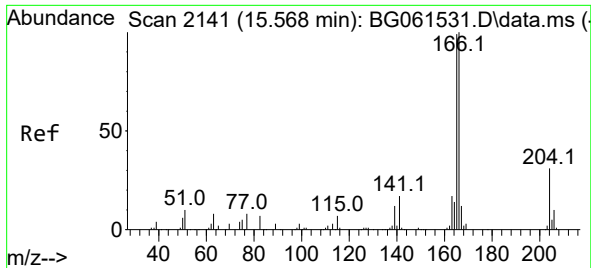
Tgt Ion:168 Resp: 10760

Ion Ratio Lower Upper

168 100

139 43.0 33.4 50.2

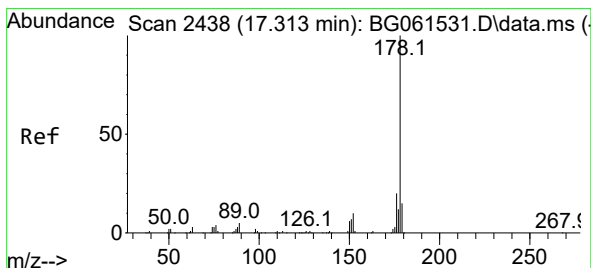
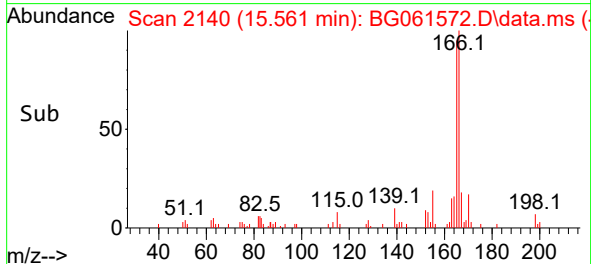
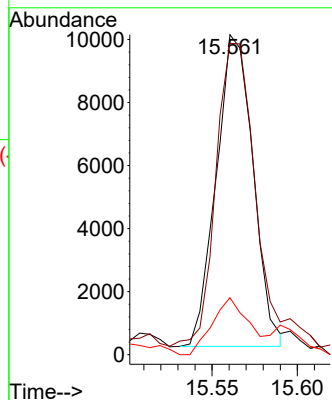
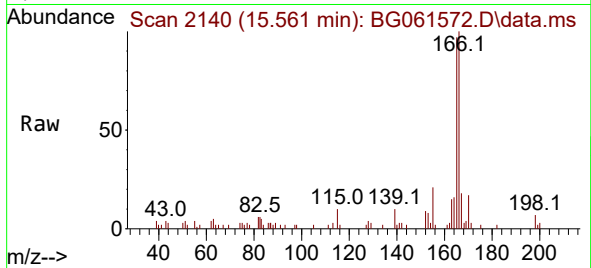




#61
Fluorene
Concen: 2.578 ng/ul
RT: 15.561 min Scan# 2141
Delta R.T. -0.001 min
Lab File: BG061572.D
Acq: 8 Jun 2024 19:38

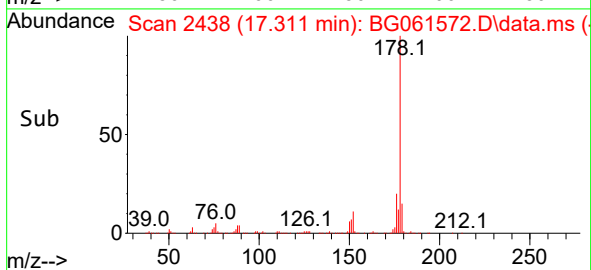
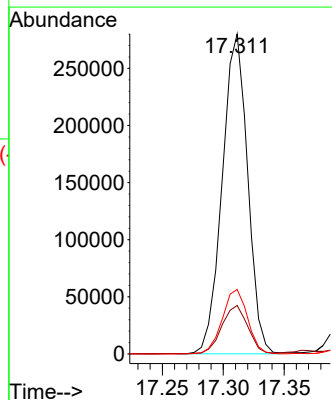
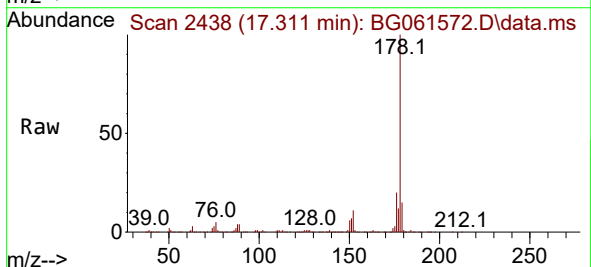
Instrument :
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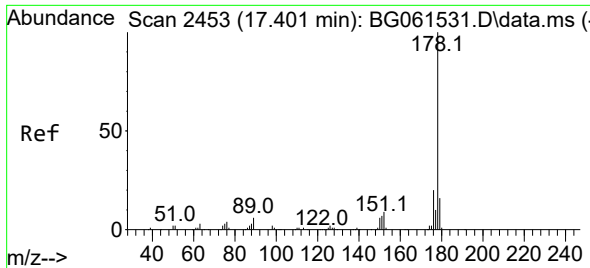
Tgt Ion:166 Resp: 14820
Ion Ratio Lower Upper
166 100
165 97.3 81.8 122.8
167 17.8 10.6 16.0#



#72
Phenanthrene
Concen: 45.321 ng/ul
RT: 17.311 min Scan# 2438
Delta R.T. 0.005 min
Lab File: BG061572.D
Acq: 8 Jun 2024 19:38

Tgt Ion:178 Resp: 406379
Ion Ratio Lower Upper
178 100
179 15.1 12.7 19.1
176 20.2 15.5 23.3

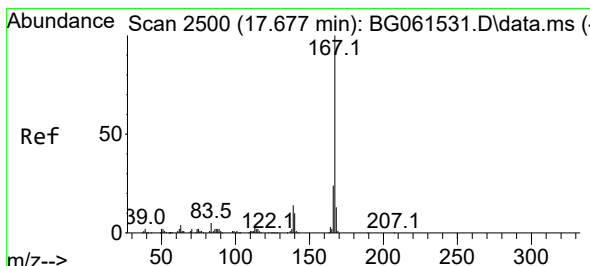
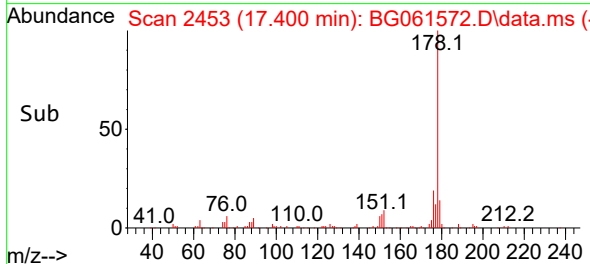
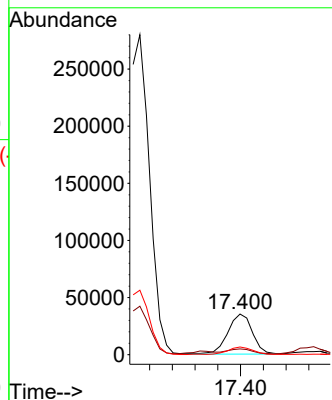
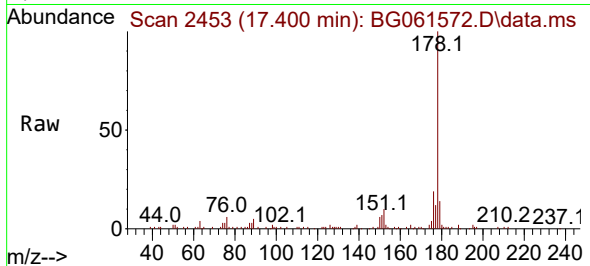




#74
 Anthracene
 Concen: 5.701 ng/ul
 RT: 17.400 min Scan# 2453
 Delta R.T. 0.005 min
 Lab File: BG061572.D
 Acq: 8 Jun 2024 19:38

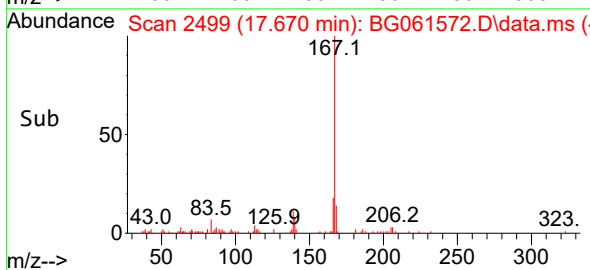
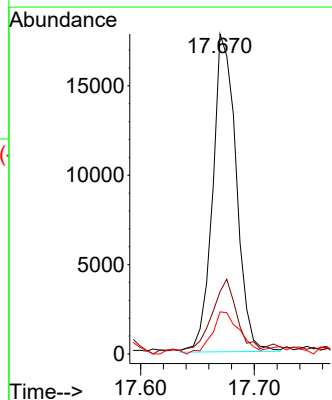
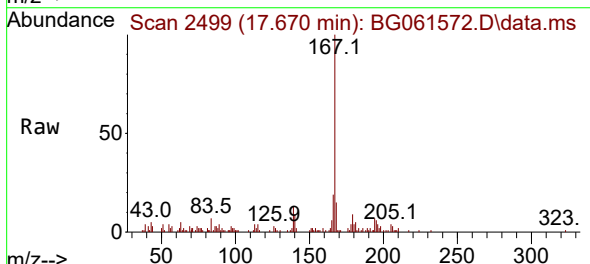
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 BNA_G
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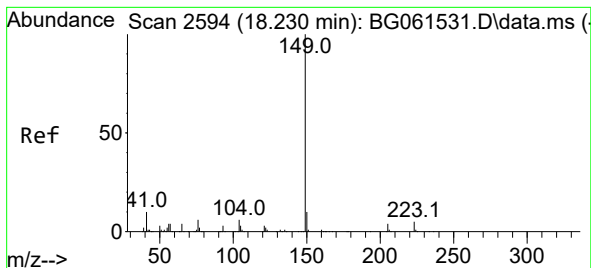
Tgt Ion:178 Resp: 52851
 Ion Ratio Lower Upper
 178 100
 179 14.3 11.8 17.6
 176 19.0 14.9 22.3



#77
 Carbazole
 Concen: 3.391 ng/ul
 RT: 17.670 min Scan# 2499
 Delta R.T. -0.001 min
 Lab File: BG061572.D
 Acq: 8 Jun 2024 19:38

Tgt Ion:167 Resp: 25571
 Ion Ratio Lower Upper
 167 100
 166 19.4 18.6 28.0
 139 13.1 10.6 15.8





#78

Di-n-butylphthalate

Concen: 1.312 ng/ul

RT: 18.228 min Scan# 21

Delta R.T. 0.005 min

Lab File: BG061572.D

Acq: 8 Jun 2024 19:38

Instrument :

BNA_G

ClientSampleId :

BHBS7

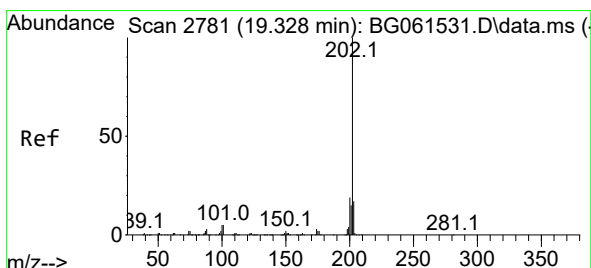
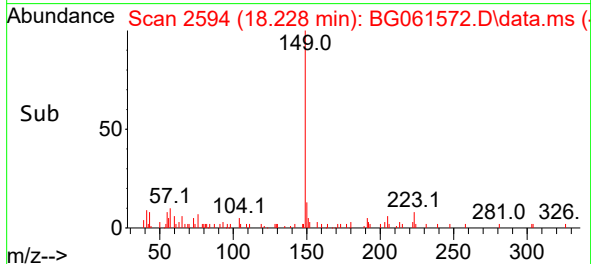
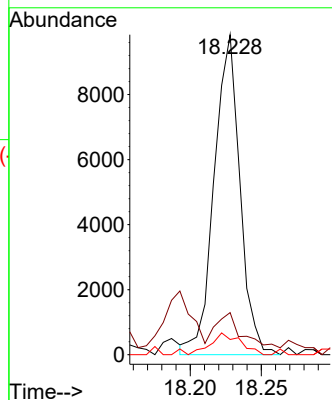
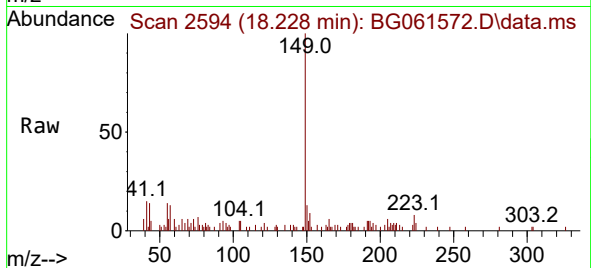
Tgt Ion:149 Resp: 12395

Ion Ratio Lower Upper

149 100

150 13.1 7.8 11.8#

104 4.8 4.8 7.2#



#80

Fluoranthene

Concen: 62.691 ng/ul

RT: 19.333 min Scan# 2782

Delta R.T. 0.011 min

Lab File: BG061572.D

Acq: 8 Jun 2024 19:38

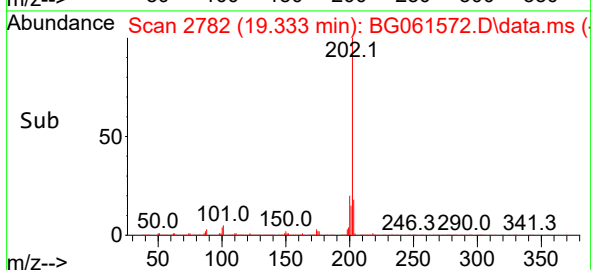
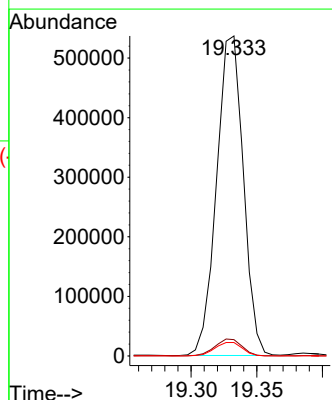
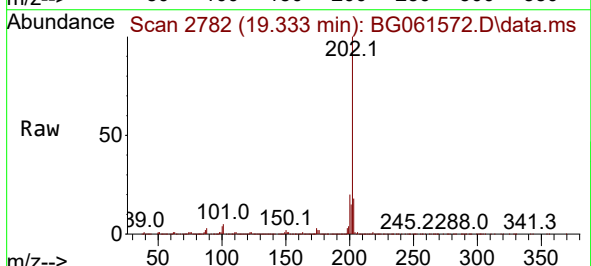
Tgt Ion:202 Resp: 759250

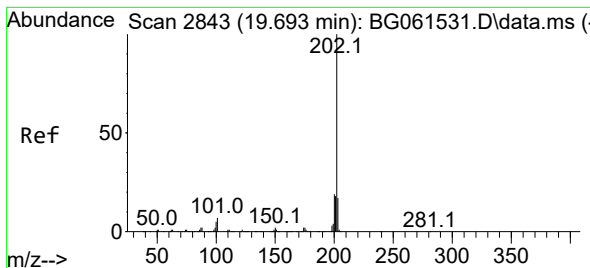
Ion Ratio Lower Upper

202 100

101 5.1 4.8 7.2

100 4.2 4.1 6.1





#82

Pyrene

Concen: 53.591 ng/ul

RT: 19.691 min Scan# 2

Delta R.T. 0.005 min

Lab File: BG061572.D

Acq: 8 Jun 2024 19:38

Instrument :

BNA_G

ClientSampleId :

BHBS7

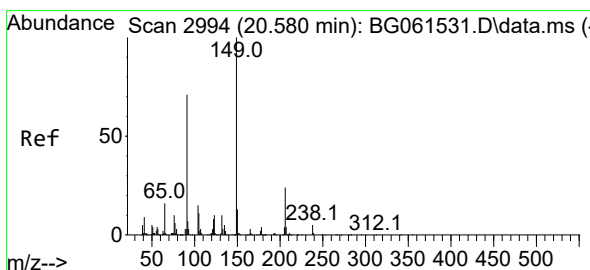
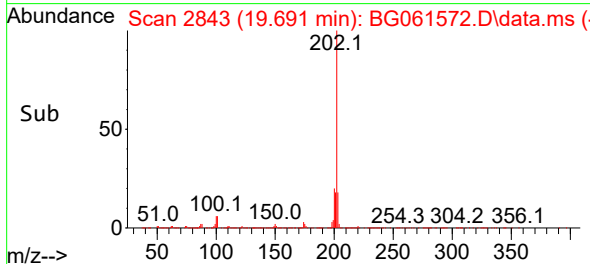
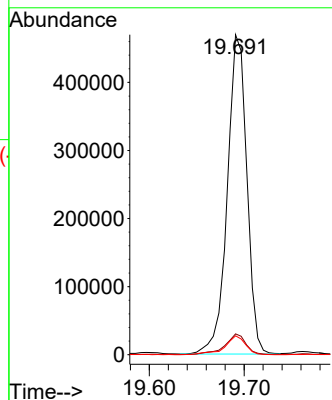
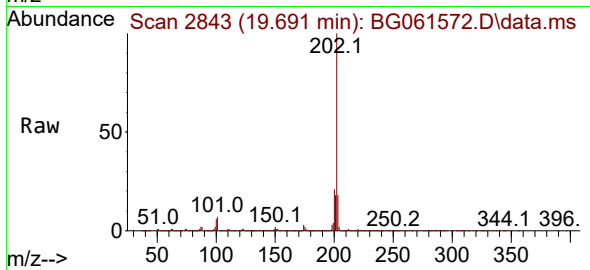
Tgt Ion:202 Resp: 673713

Ion Ratio Lower Upper

202 100

101 6.5 5.7 8.5

100 5.9 5.1 7.7



#83

Butylbenzylphthalate

Concen: 2.131 ng/ul

RT: 20.578 min Scan# 2994

Delta R.T. 0.005 min

Lab File: BG061572.D

Acq: 8 Jun 2024 19:38

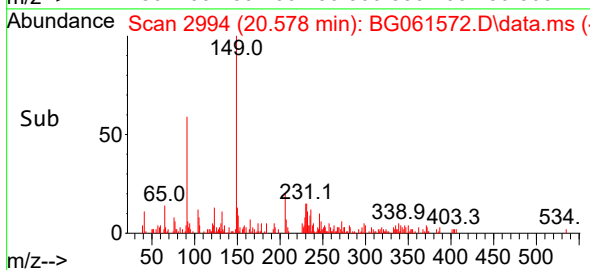
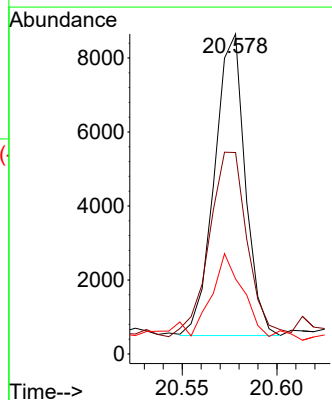
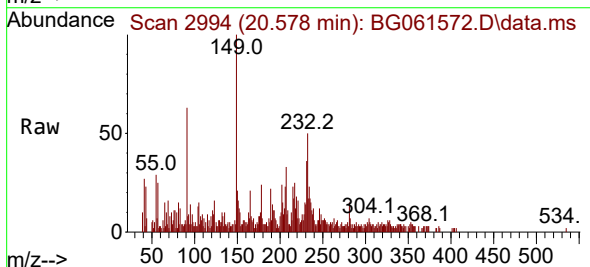
Tgt Ion:149 Resp: 9203

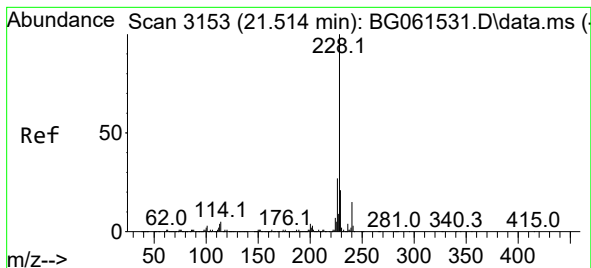
Ion Ratio Lower Upper

149 100

91 62.9 54.8 82.2

206 23.5 19.4 29.0





#85

Benzo(a)anthracene

Concen: 33.338 ng/ul

RT: 21.512 min Scan# 3153

Delta R.T. 0.011 min

Lab File: BG061572.D

Acq: 8 Jun 2024 19:38

Instrument :

BNA_G

ClientSampleId :

BHBS7

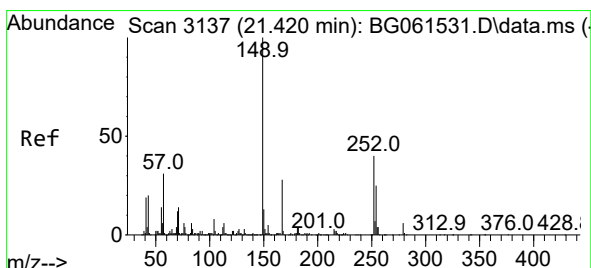
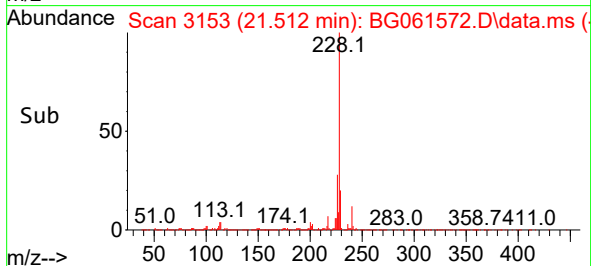
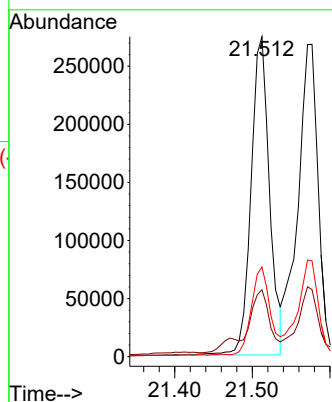
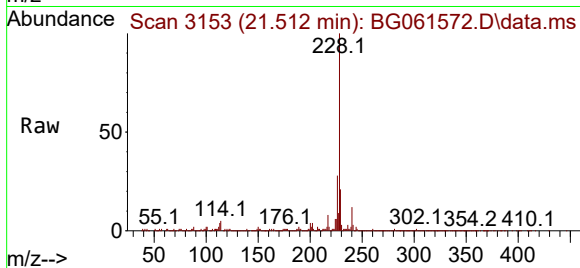
Tgt Ion:228 Resp: 452298

Ion Ratio Lower Upper

228 100

229 20.9 15.2 22.8

226 28.0 21.4 32.2



#86

Bis(2-ethylhexyl)phthalate

Concen: 23.568 ng/ul

RT: 21.412 min Scan# 3136

Delta R.T. 0.005 min

Lab File: BG061572.D

Acq: 8 Jun 2024 19:38

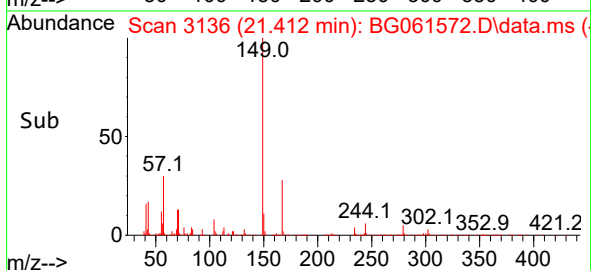
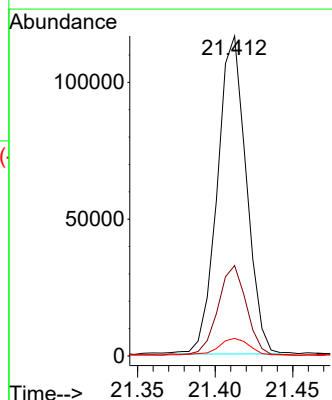
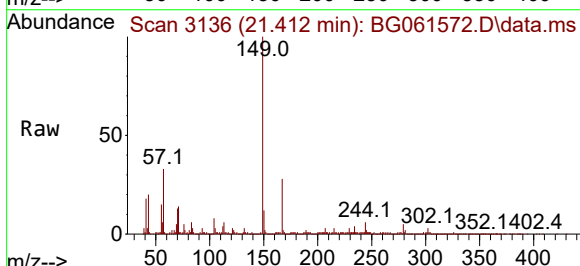
Tgt Ion:149 Resp: 150659

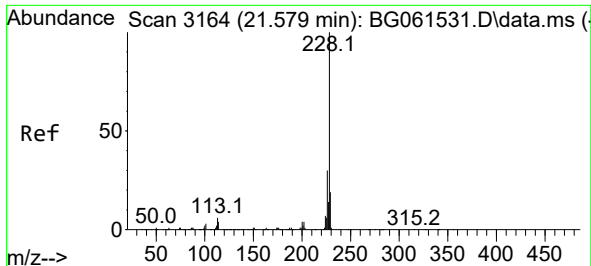
Ion Ratio Lower Upper

149 100

167 28.3 21.1 31.7

279 5.5 3.3 4.9#

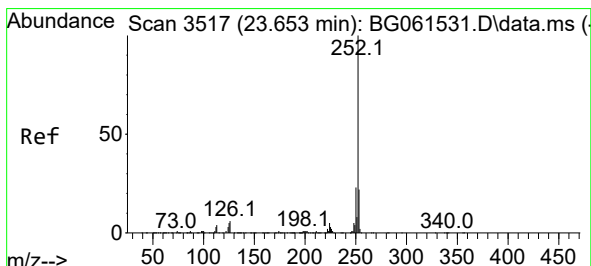
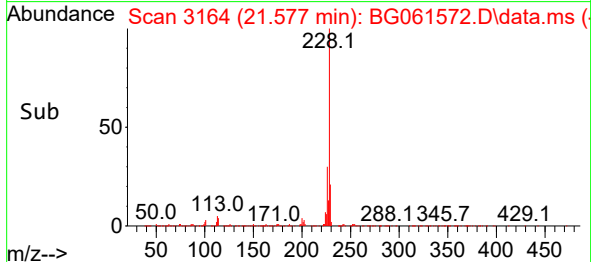
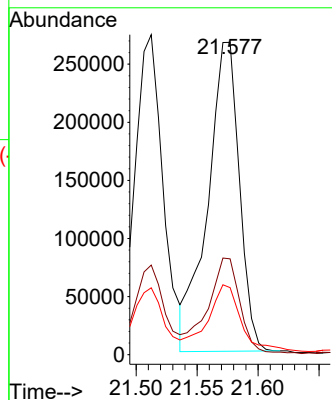
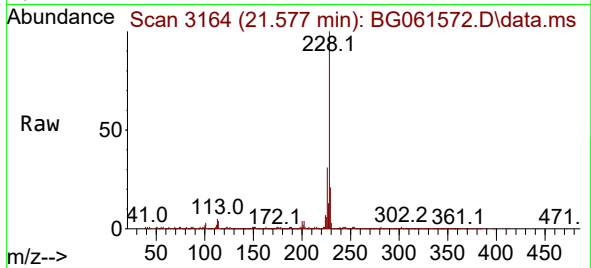




#87
Chrysene
Concen: 38.498 ng/ul
RT: 21.577 min Scan# 3164
Delta R.T. 0.011 min
Lab File: BG061572.D
Acq: 8 Jun 2024 19:38

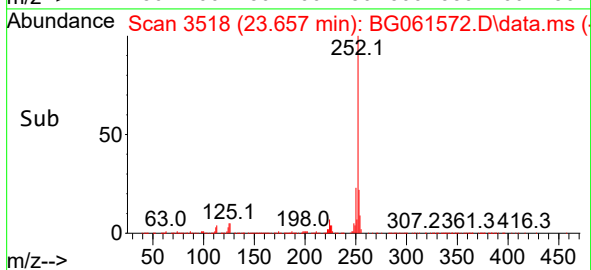
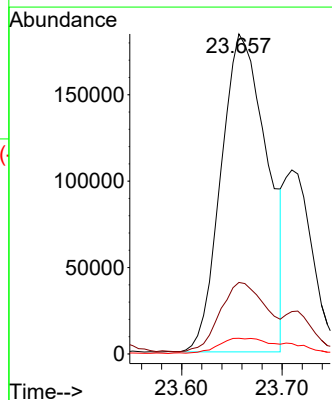
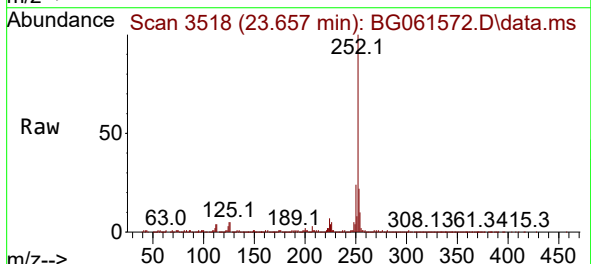
Instrument :
BNA_G
ClientSampleId :
BHBS7

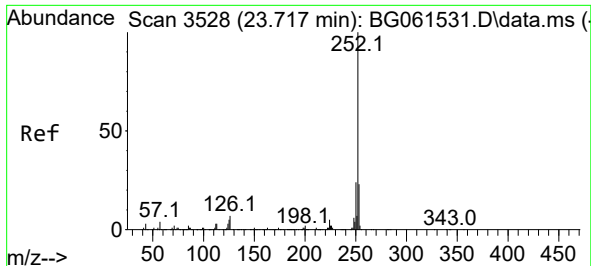
Tgt Ion:228 Resp: 480927
Ion Ratio Lower Upper
228 100
226 30.7 23.4 35.0
229 21.4 15.4 23.2



#90
Benzo(b)fluoranthene
Concen: 45.235 ng/ul
RT: 23.657 min Scan# 3518
Delta R.T. 0.023 min
Lab File: BG061572.D
Acq: 8 Jun 2024 19:38

Tgt Ion:252 Resp: 586391
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 4.9 4.6 6.8

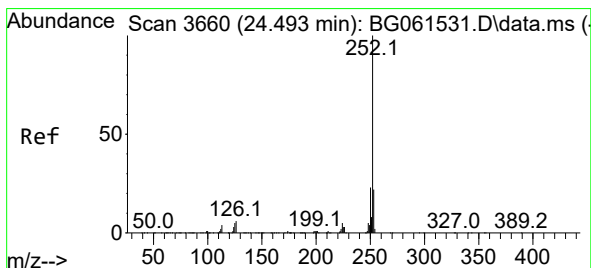
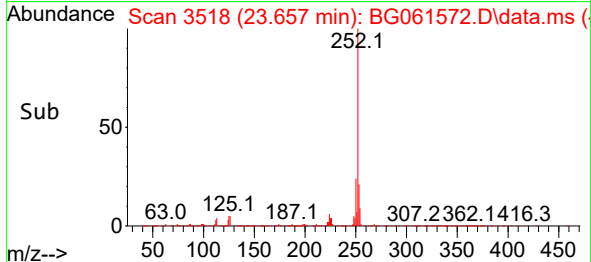
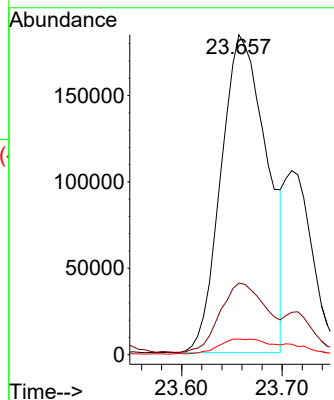
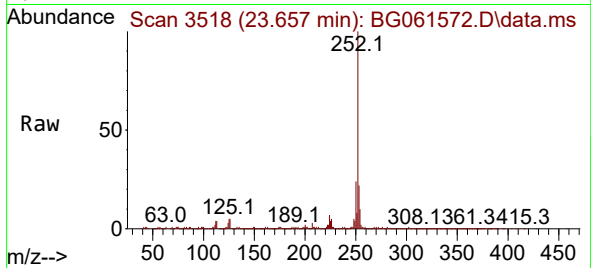




#91
Benzo(k)fluoranthene
Concen: 44.558 ng/ul
RT: 23.657 min Scan# 3518
Delta R.T. -0.042 min
Lab File: BG061572.D
Acq: 8 Jun 2024 19:38

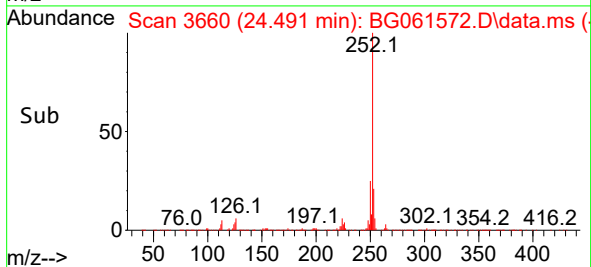
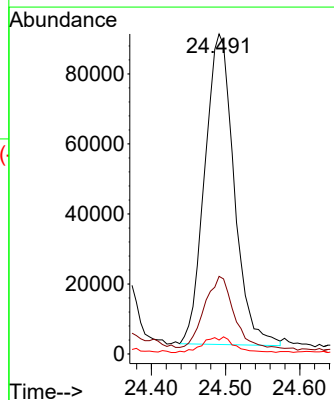
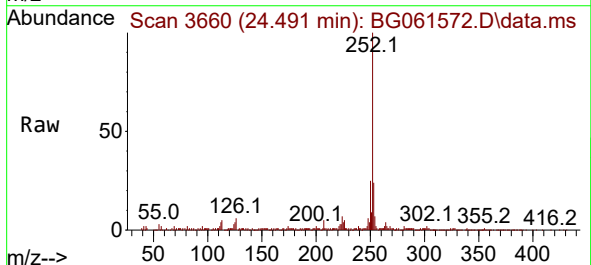
Instrument :
BNA_G
ClientSampleId :
BHBS7

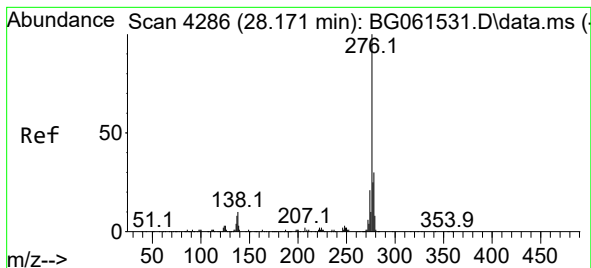
Tgt Ion:252 Resp: 586391
Ion Ratio Lower Upper
252 100
253 22.4 16.0 24.0
125 4.9 4.3 6.5



#93
Benzo(a)pyrene
Concen: 19.799 ng/ul
RT: 24.491 min Scan# 3660
Delta R.T. 0.023 min
Lab File: BG061572.D
Acq: 8 Jun 2024 19:38

Tgt Ion:252 Resp: 243719
Ion Ratio Lower Upper
252 100
253 24.3 16.4 24.6
125 4.4 4.3 6.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 9.467 ng/ul

RT: 28.169 min Scan# 41

Delta R.T. 0.034 min

Lab File: BG061572.D

Acq: 8 Jun 2024 19:38

Instrument :

BNA_G

ClientSampleId :

BHBS7

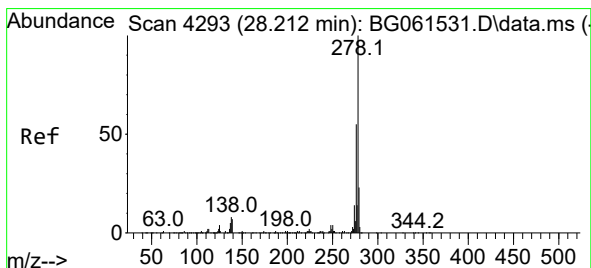
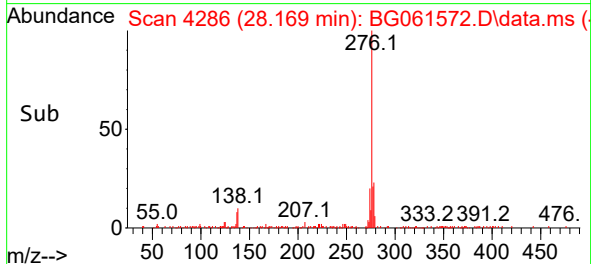
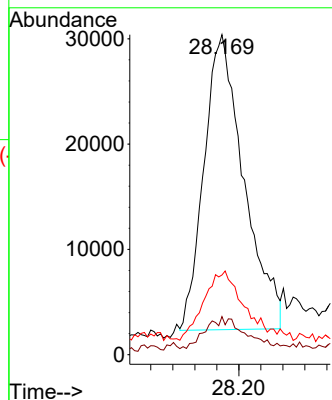
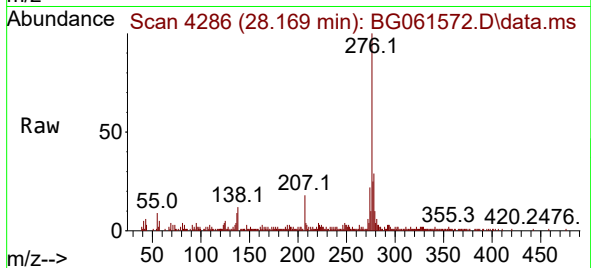
Tgt Ion:276 Resp: 140933

Ion Ratio Lower Upper

276 100

138 11.9 8.6 13.0

277 24.9 19.7 29.5



#95

Dibenzo(a,h)anthracene

Concen: 2.289 ng/ul

RT: 28.187 min Scan# 4289

Delta R.T. 0.017 min

Lab File: BG061572.D

Acq: 8 Jun 2024 19:38

Tgt Ion:278 Resp: 28098

Ion Ratio Lower Upper

278 100

139 11.8 6.4 9.6#

279 30.5 19.9 29.9#

