

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
 Data File : BG061568.D
 Acq On : 8 Jun 2024 16:54
 Operator : MA/JU
 Sample : P2647-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBS2

Quant Time: Jun 09 23:02:01 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	7.874	152	27753	20.000	ng/ul	0.00
20) Naphthalene-d8	10.665	136	103382	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.513	164	76371	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.269	188	178979	20.000	ng/ul	0.00
79) Chrysene-d12	21.534	240	195353	20.000	ng/ul	0.02
88) Perylene-d12	24.642	264	220168	20.000	ng/ul	# 0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.326	96	1902	3.835	ng/uL	-0.03
4) Pyridine-d5	3.743	84	17280	9.794	ng/ul	-0.03
7) Phenol-d5	7.063	99	48271	21.180	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.198	67	30917	21.582	ng/ul	-0.01
11) 2-Chlorophenol-d4	7.416	132	43272	25.655	ng/ul	0.00
15) 4-Methylphenol-d8	8.597	113	32488	16.717	ng/ul	0.00
21) Nitrobenzene-d5	9.031	128	22631	28.432	ng/ul	0.00
24) 2-Nitrophenol-d4	9.754	143	26453	28.397	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.306	165	53059	29.216	ng/ul	0.00
31) 4-Chloroaniline-d4	10.812	131	12395	5.217	ng/ul	0.00
46) Dimethylphthalate-d6	13.914	166	170764	28.830	ng/ul	0.00
49) Acenaphthylene-d8	14.202	160	181787	29.521	ng/ul	0.00
54) 4-Nitrophenol-d4	14.778	143	14580	19.910	ng/ul	0.02
60) Fluorene-d10	15.506	176	149642	29.262	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.659	200	16862	15.577	ng/ul	0.00
73) Anthracene-d10	17.369	188	253403	32.114	ng/ul	0.00
81) Pyrene-d10	19.666	212	266291	26.548	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.431	264	228488	21.587	ng/ul	0.03
Target Compounds						
					Qvalue	
30) Naphthalene	10.718	128	24395	4.471	ng/ul	96
32) 4-Chloroaniline	10.718	127	3728	1.579	ng/ul#	20
36) 2-Methylnaphthalene	12.327	142	16837	4.255	ng/ul	97
37) 1-Methylnaphthalene	12.545	142	18267	4.498	ng/ul	97
43) 1,1'-Biphenyl	13.338	154	6171	1.250	ng/ul	93
50) Acenaphthylene	14.237	152	8639	1.265	ng/ul#	76
52) Acenaphthene	14.578	153	83778	18.703	ng/ul	97
56) Dibenzofuran	14.913	168	59865	9.347	ng/ul	98
61) Fluorene	15.565	166	88925	16.047	ng/ul	99
63) 4-Nitroaniline	15.559	138	1420	1.298	ng/ul#	2
72) Phenanthrene	17.316	178	1735947	199.835	ng/ul	99
74) Anthracene	17.404	178	281560	31.348	ng/ul	97
77) Carbazole	17.674	167	117149	16.036	ng/ul	99
78) Di-n-butylphthalate	18.244	149	2979755	325.516	ng/ul	97
80) Fluoranthene	19.343	202	2435927	202.439	ng/ul	100
82) Pyrene	19.701	202	1890134	151.329	ng/ul	98
83) Butylbenzylphthalate	20.577	149	166835	38.883	ng/ul	98
85) Benzo(a)anthracene	21.517	228	1253573	92.999	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.411	149	218073	34.335	ng/ul#	99
87) Chrysene	21.581	228	1278582	103.014	ng/ul	97
89) Di-n-octyl phthalate	22.574	149	15887	1.442	ng/ul	100
90) Benzo(b)fluoranthene	23.673	252	1603258	122.305	ng/ul	99
91) Benzo(k)fluoranthene	23.673	252	1603258	120.477	ng/ul	95
93) Benzo(a)pyrene	24.501	252	613814	49.312	ng/ul	94

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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

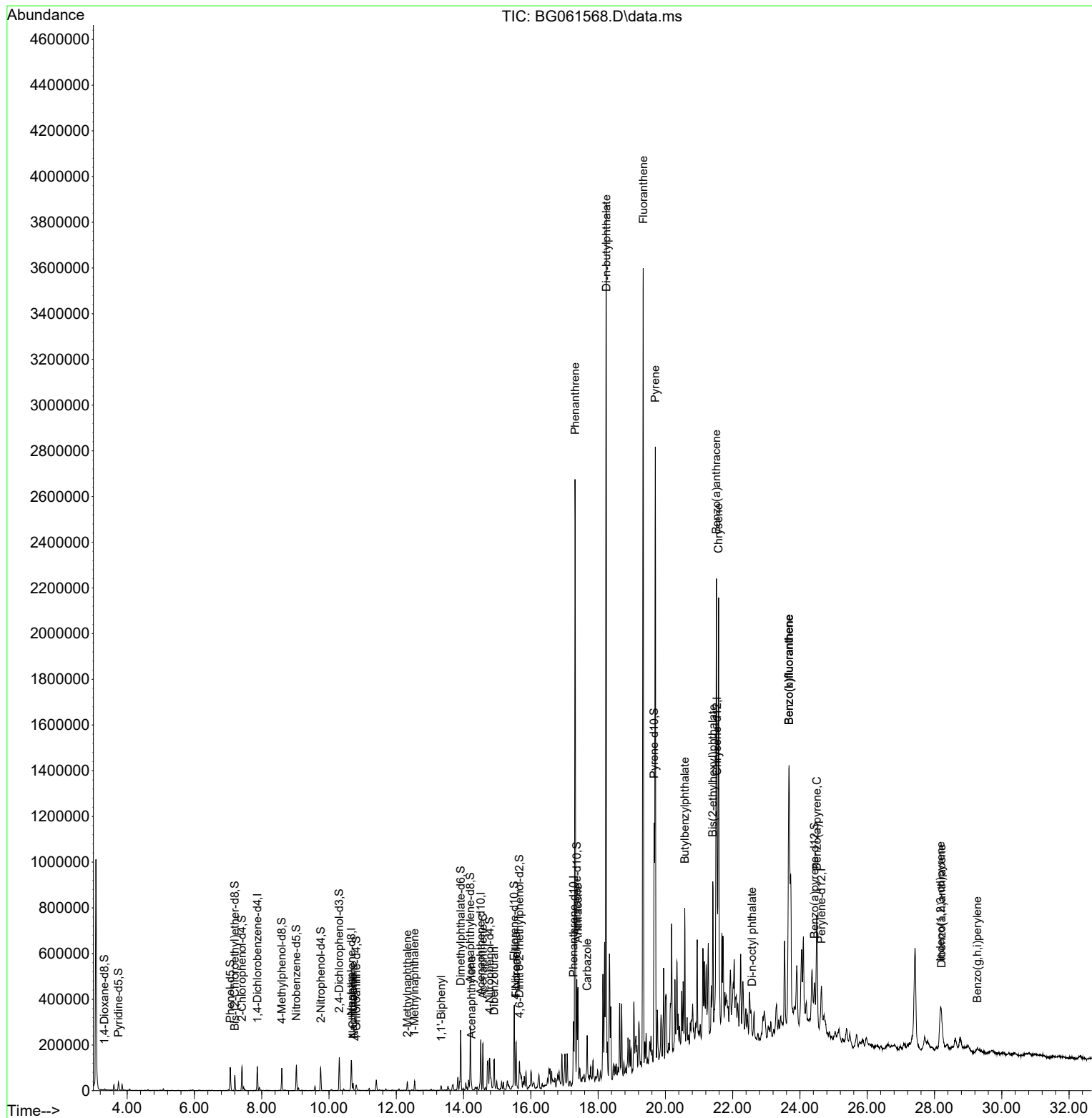
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Indeno(1,2,3-cd)pyrene	28.185	276	390047	25.912	ng/ul#	97
95) Dibenzo(a,h)anthracene	28.209	278	75870	6.113	ng/ul	96
96) Benzo(g,h,i)perylene	29.272	276	24500	2.046	ng/ul#	83

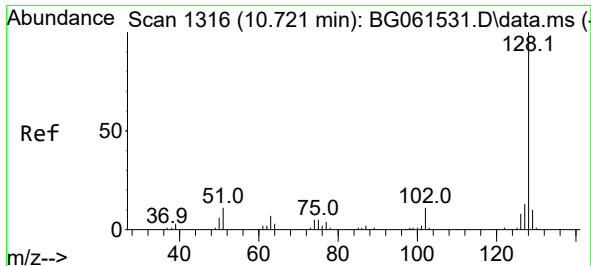
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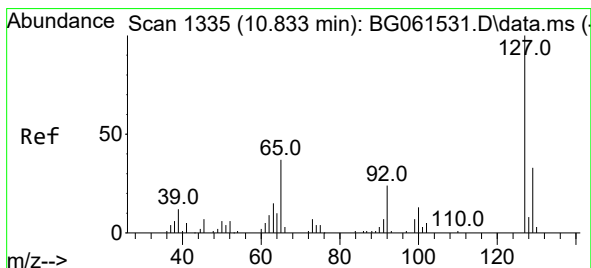
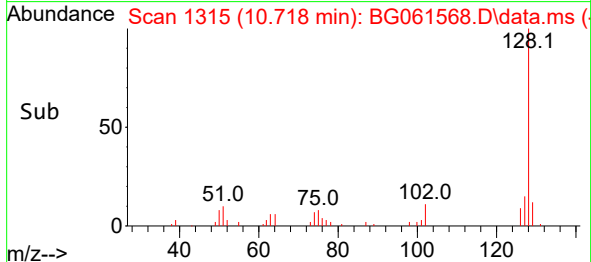
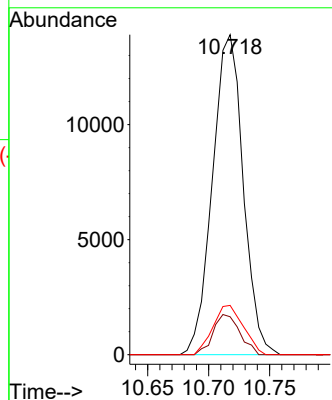
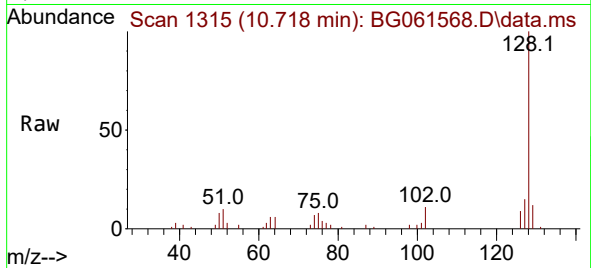




#30
Naphthalene
Concen: 4.471 ng/ul
RT: 10.718 min Scan# 1315
Delta R.T. -0.002 min
Lab File: BG061568.D
Acq: 8 Jun 2024 16:54

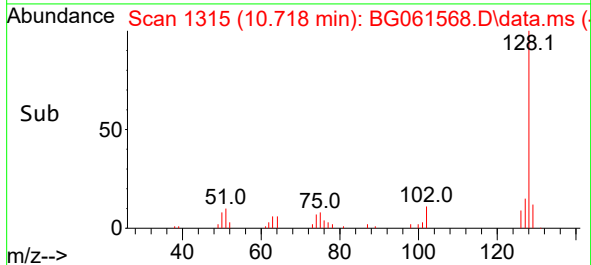
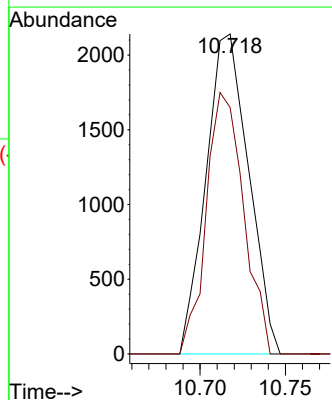
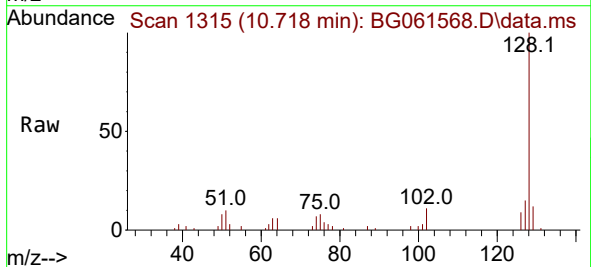
Instrument :
BNA_G
ClientSampleId :
BHBS2

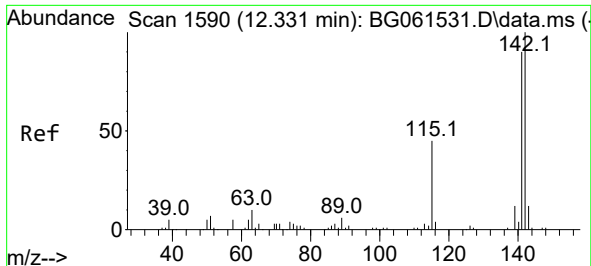
Tgt Ion:128 Resp: 24395
Ion Ratio Lower Upper
128 100
129 11.9 8.6 12.8
127 15.4 10.8 16.2



#32
4-Chloroaniline
Concen: 1.579 ng/ul
RT: 10.718 min Scan# 1315
Delta R.T. -0.114 min
Lab File: BG061568.D
Acq: 8 Jun 2024 16:54

Tgt Ion:127 Resp: 3728
Ion Ratio Lower Upper
127 100
129 77.1 25.9 38.9#

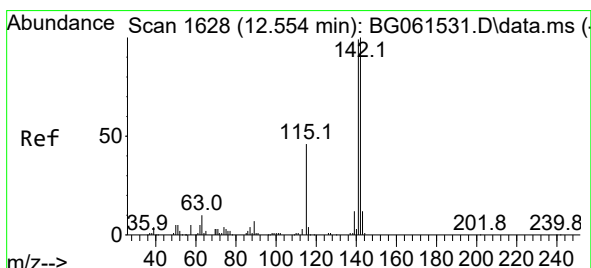
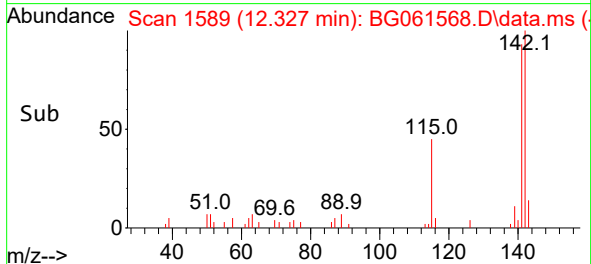
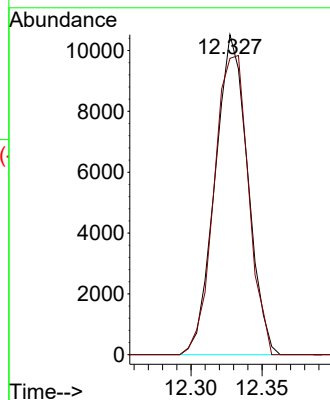
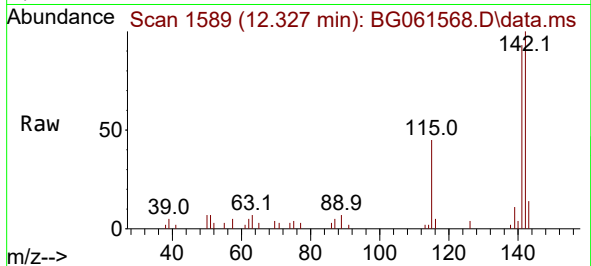




#36
2-Methylnaphthalene
Concen: 4.255 ng/ul
RT: 12.327 min Scan# 1589
Delta R.T. -0.002 min
Lab File: BG061568.D
Acq: 8 Jun 2024 16:54

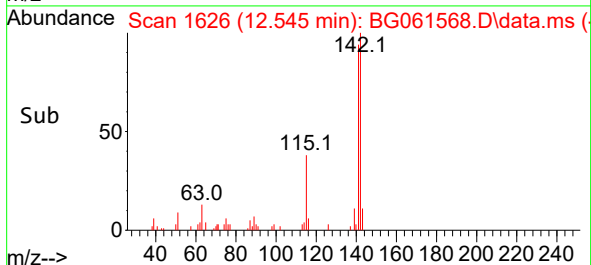
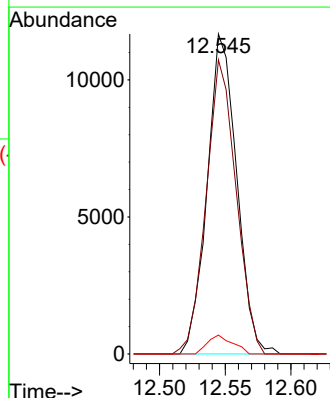
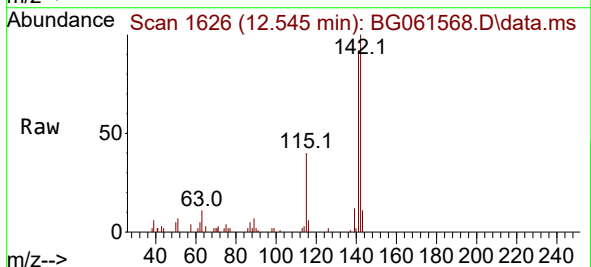
Instrument :
BNA_G
ClientSampleId :
BHBS2

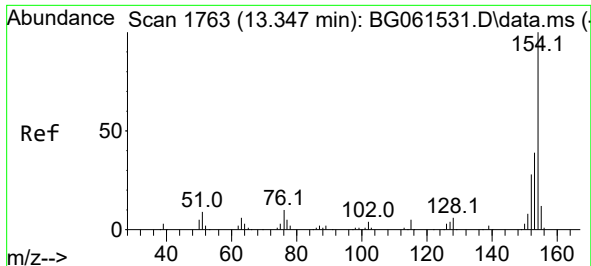
Tgt Ion:142 Resp: 16837
Ion Ratio Lower Upper
142 100
141 92.6 72.2 108.2



#37
1-Methylnaphthalene
Concen: 4.498 ng/ul
RT: 12.545 min Scan# 1626
Delta R.T. -0.002 min
Lab File: BG061568.D
Acq: 8 Jun 2024 16:54

Tgt Ion:142 Resp: 18267
Ion Ratio Lower Upper
142 100
141 91.9 75.5 113.3
116 5.9 4.0 6.0

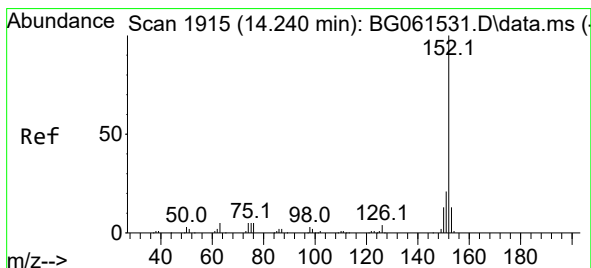
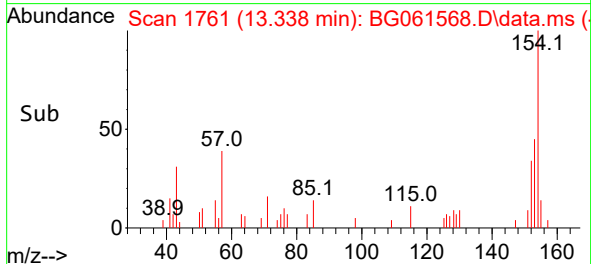
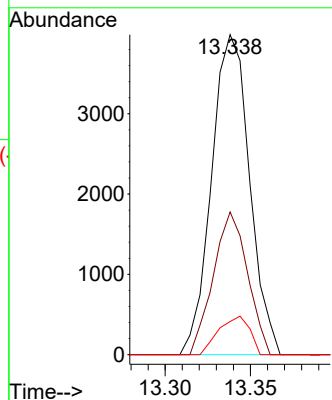
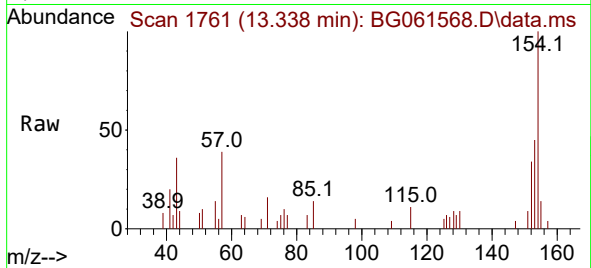




#43
1,1'-Biphenyl
Concen: 1.250 ng/ul
RT: 13.338 min Scan# 1761
Delta R.T. -0.002 min
Lab File: BG061568.D
Acq: 8 Jun 2024 16:54

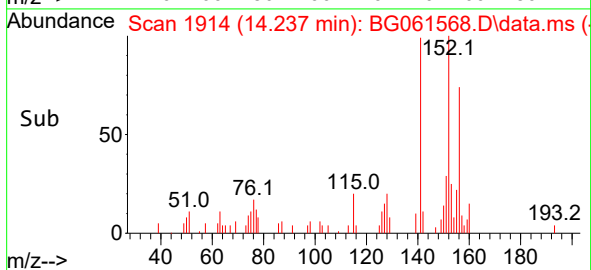
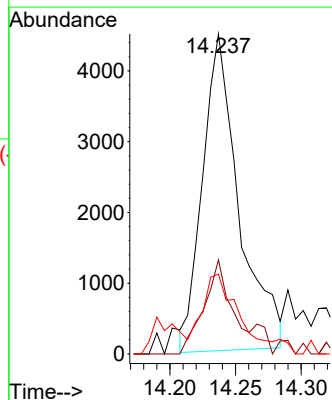
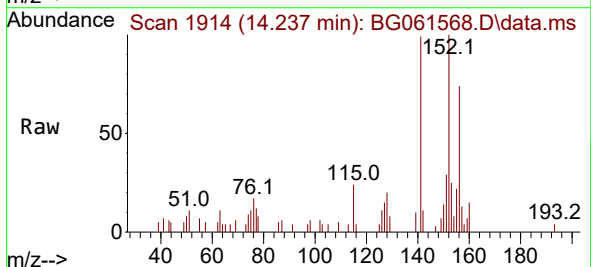
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ClientSampleId :
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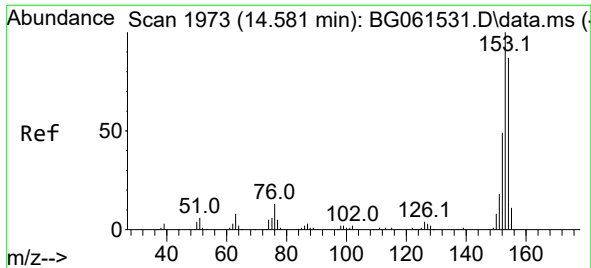
Tgt Ion:154 Resp: 6171
Ion Ratio Lower Upper
154 100
153 44.6 31.2 46.8
76 10.3 8.5 12.7



#50
Acenaphthylene
Concen: 1.265 ng/ul
RT: 14.237 min Scan# 1914
Delta R.T. 0.003 min
Lab File: BG061568.D
Acq: 8 Jun 2024 16:54

Tgt Ion:152 Resp: 8639
Ion Ratio Lower Upper
152 100
151 29.4 16.2 24.2#
153 24.9 10.2 15.4#

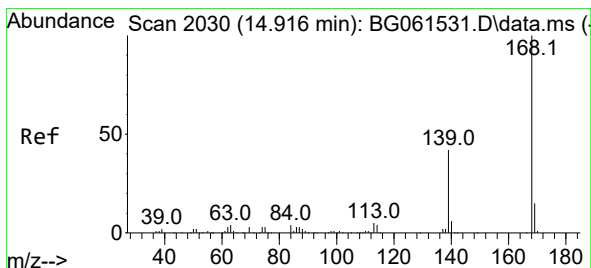
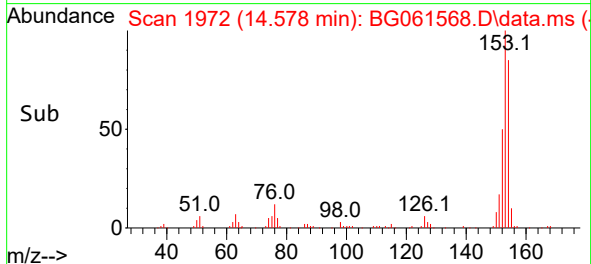
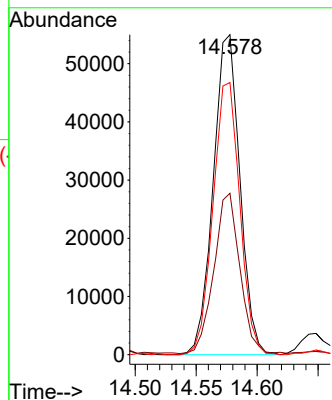
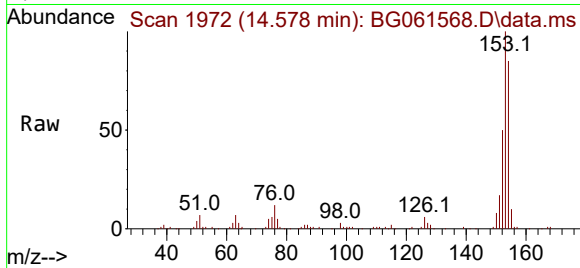




#52
Acenaphthene
Concen: 18.703 ng/ul
RT: 14.578 min Scan# 1973
Delta R.T. 0.003 min
Lab File: BG061568.D
Acq: 8 Jun 2024 16:54

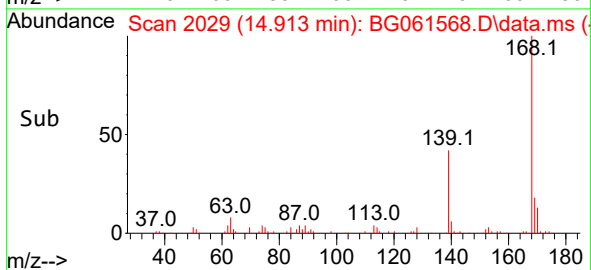
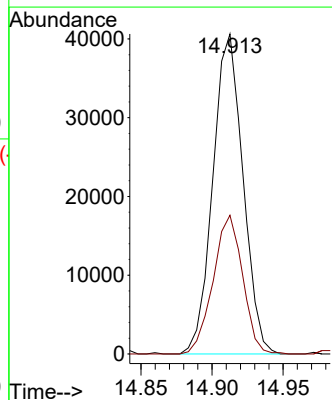
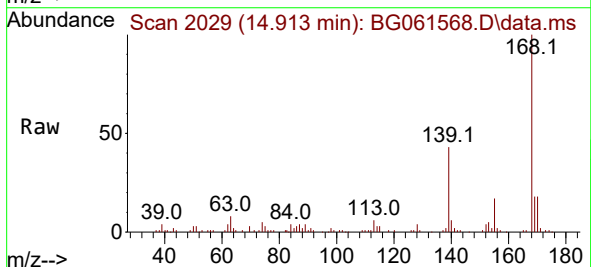
Instrument :
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ClientSampleId :
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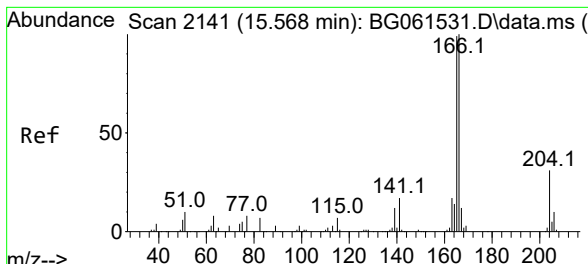
Tgt Ion:153 Resp: 83778
Ion Ratio Lower Upper
153 100
152 50.5 37.8 56.8
154 85.1 69.0 103.6



#56
Dibenzofuran
Concen: 9.347 ng/ul
RT: 14.913 min Scan# 2029
Delta R.T. 0.003 min
Lab File: BG061568.D
Acq: 8 Jun 2024 16:54

Tgt Ion:168 Resp: 59865
Ion Ratio Lower Upper
168 100
139 43.4 33.4 50.2

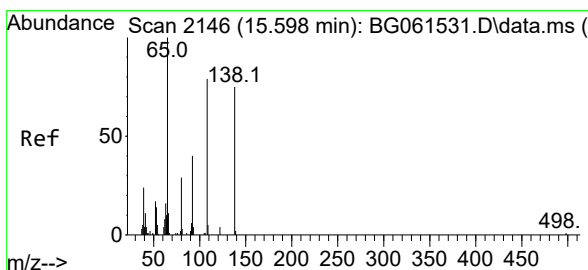
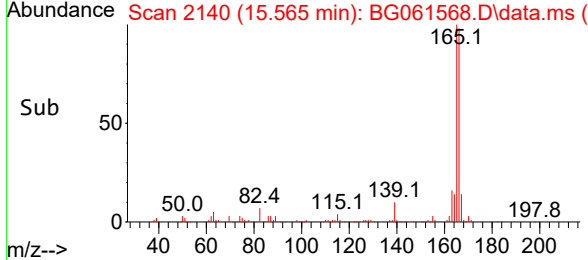
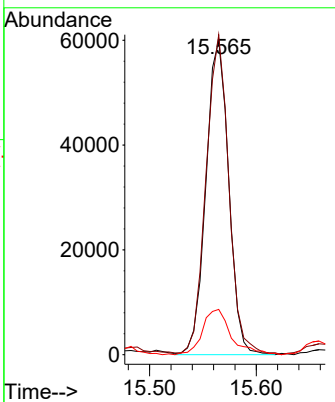
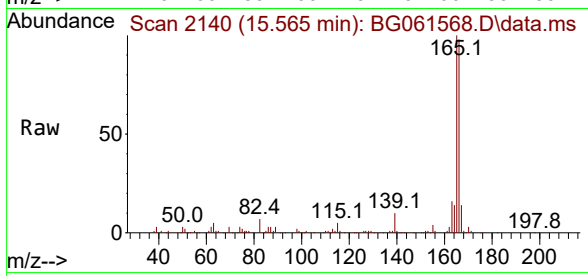




#61
 Fluorene
 Concen: 16.047 ng/ul
 RT: 15.565 min Scan# 2140
 Delta R.T. 0.003 min
 Lab File: BG061568.D
 Acq: 8 Jun 2024 16:54

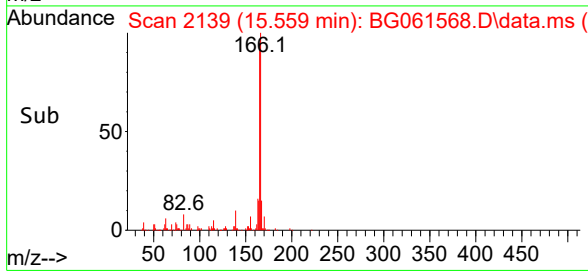
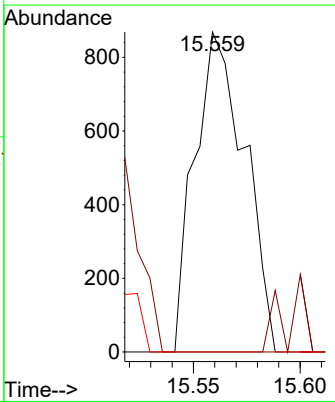
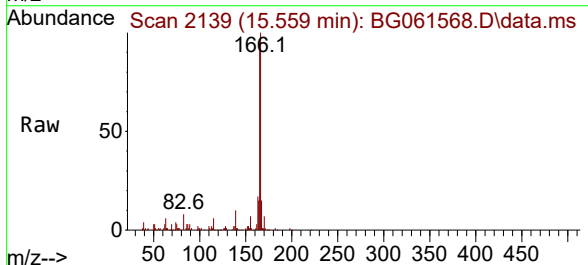
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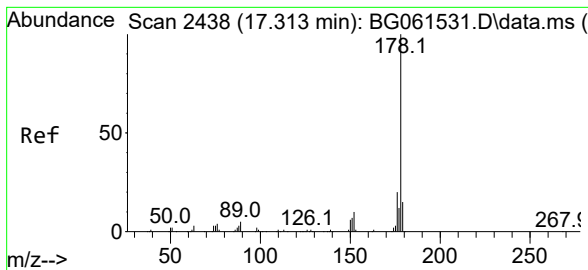
Tgt Ion:	166	Resp:	88925
Ion Ratio	Lower	Upper	
166	100		
165	101.9	81.8	122.8
167	14.4	10.6	16.0



#63
 4-Nitroaniline
 Concen: 1.298 ng/ul
 RT: 15.559 min Scan# 2139
 Delta R.T. -0.032 min
 Lab File: BG061568.D
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Tgt Ion:	138	Resp:	1420
Ion Ratio	Lower	Upper	
138	100		
92	0.0	48.6	73.0#
108	0.0	95.5	143.3#

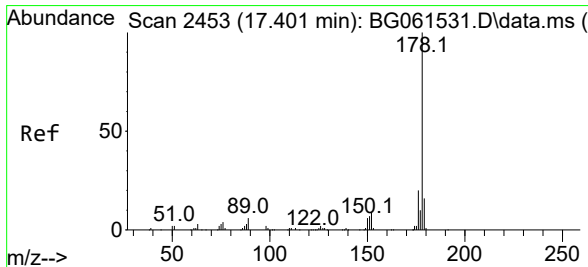
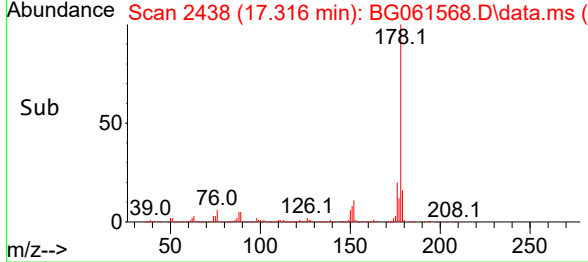
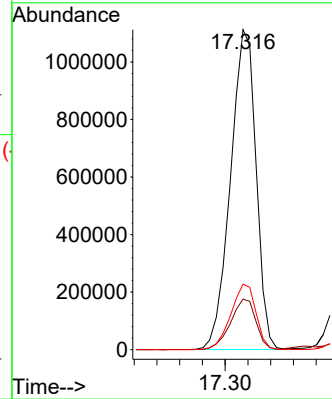
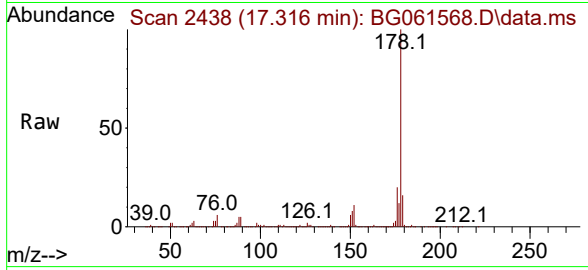




#72
Phenanthrene
Concen: 199.835 ng/ul
RT: 17.316 min Scan# 2438
Delta R.T. 0.009 min
Lab File: BG061568.D
Acq: 8 Jun 2024 16:54

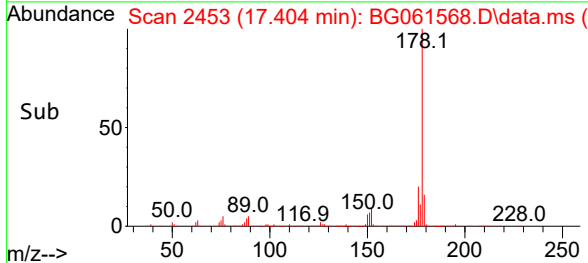
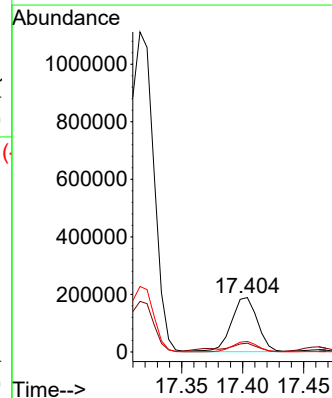
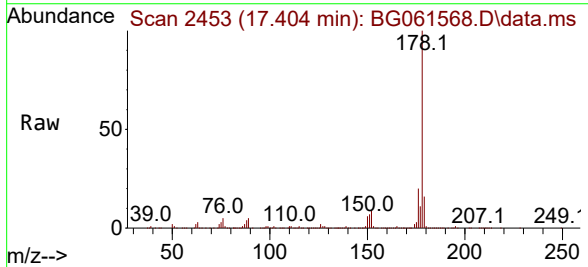
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ClientSampleId :
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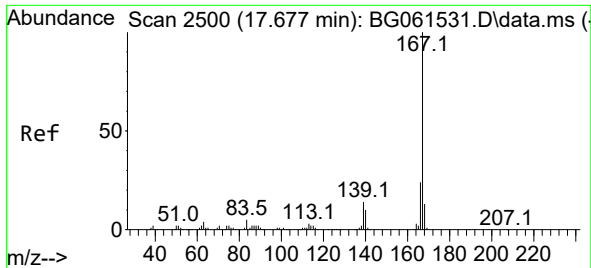
Tgt Ion:178 Resp: 1735947
Ion Ratio Lower Upper
178 100
179 15.8 12.7 19.1
176 20.5 15.5 23.3



#74
Anthracene
Concen: 31.348 ng/ul
RT: 17.404 min Scan# 2453
Delta R.T. 0.009 min
Lab File: BG061568.D
Acq: 8 Jun 2024 16:54

Tgt Ion:178 Resp: 281560
Ion Ratio Lower Upper
178 100
179 16.2 11.8 17.6
176 19.5 14.9 22.3

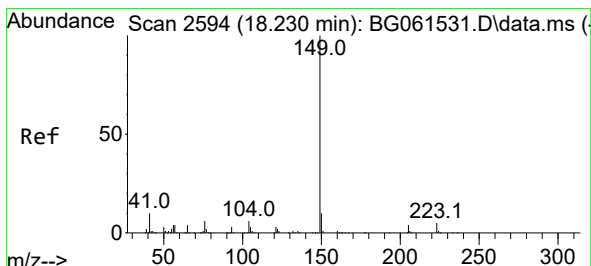
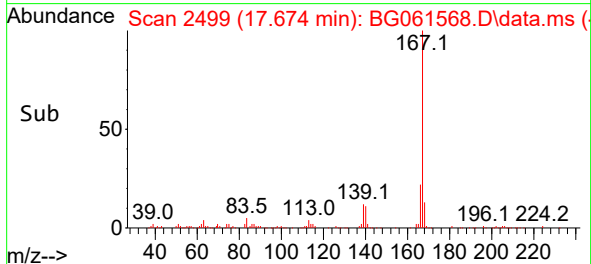
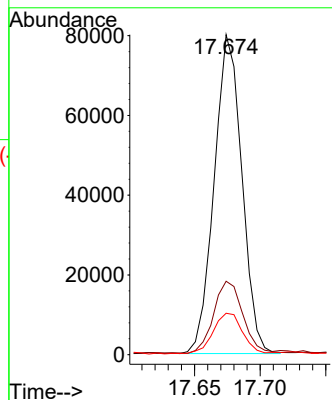
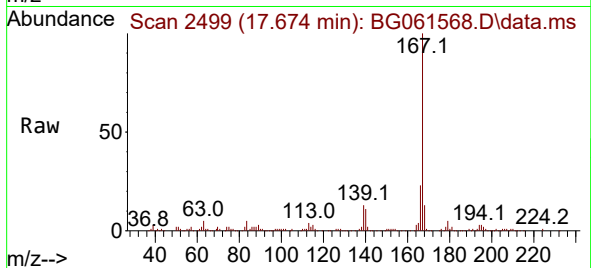




#77
 Carbazole
 Concen: 16.036 ng/ul
 RT: 17.674 min Scan# 2499
 Delta R.T. 0.003 min
 Lab File: BG061568.D
 Acq: 8 Jun 2024 16:54

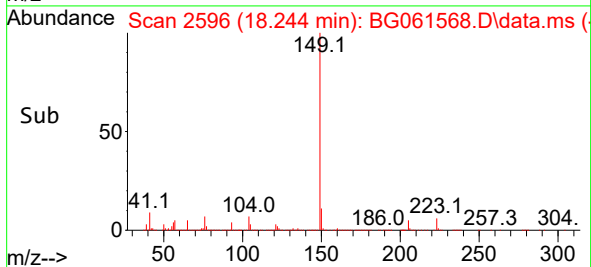
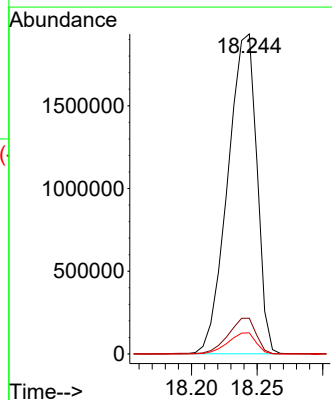
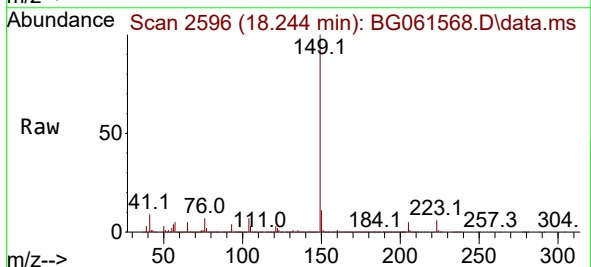
Instrument :
 BNA_G
 ClientSampleId :
 BHBS2

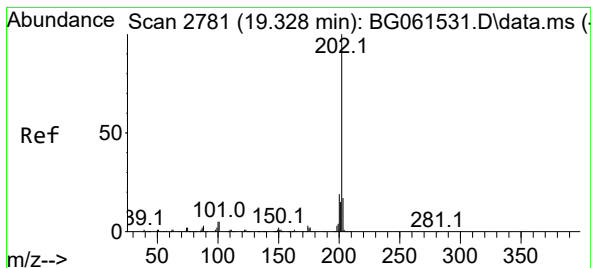
Tgt Ion:167 Resp: 117149
 Ion Ratio Lower Upper
 167 100
 166 23.0 18.6 28.0
 139 13.0 10.6 15.8



#78
 Di-n-butylphthalate
 Concen: 325.516 ng/ul
 RT: 18.244 min Scan# 2596
 Delta R.T. 0.021 min
 Lab File: BG061568.D
 Acq: 8 Jun 2024 16:54

Tgt Ion:149 Resp: 2979755
 Ion Ratio Lower Upper
 149 100
 150 11.1 7.8 11.8
 104 6.6 4.8 7.2





#80

Fluoranthene

Concen: 202.439 ng/uI

RT: 19.343 min Scan# 21

Delta R.T. 0.021 min

Lab File: BG061568.D

Acq: 8 Jun 2024 16:54

Instrument :

BNA_G

ClientSampleId :

BHBS2

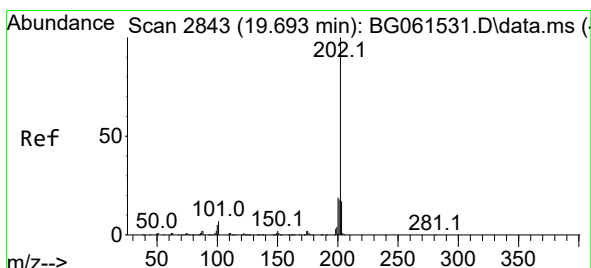
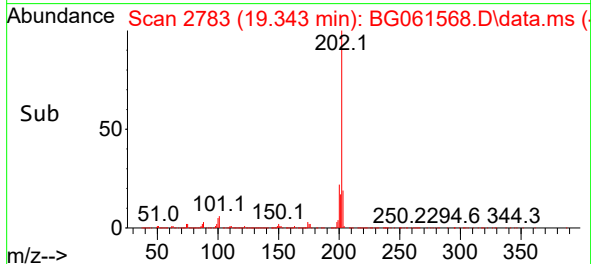
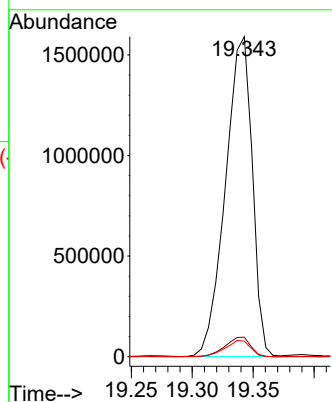
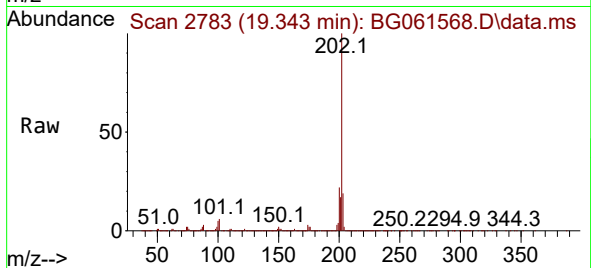
Tgt Ion:202 Resp: 2435927

Ion Ratio Lower Upper

202 100

101 6.1 4.8 7.2

100 4.9 4.1 6.1



#82

Pyrene

Concen: 151.329 ng/uI

RT: 19.701 min Scan# 2844

Delta R.T. 0.015 min

Lab File: BG061568.D

Acq: 8 Jun 2024 16:54

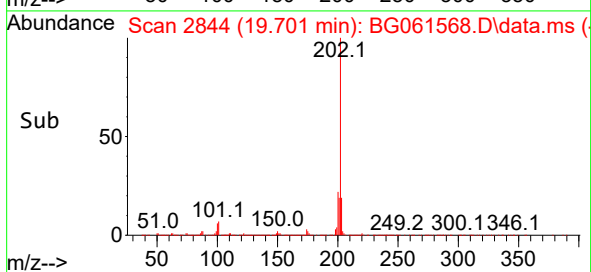
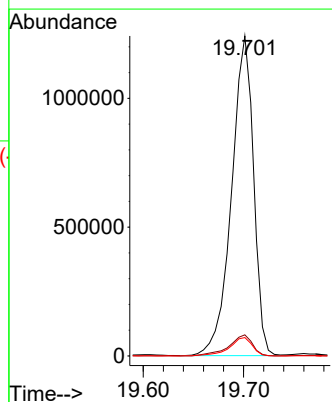
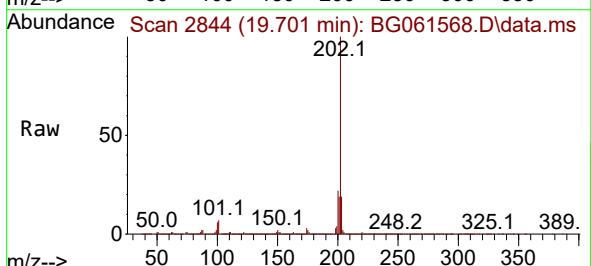
Tgt Ion:202 Resp: 1890134

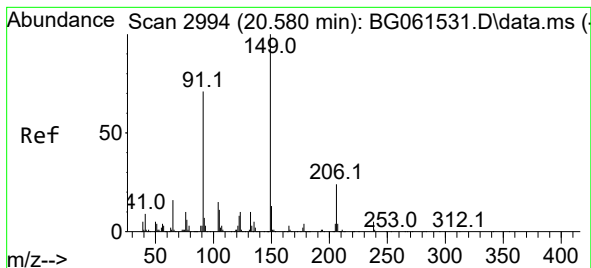
Ion Ratio Lower Upper

202 100

101 6.6 5.7 8.5

100 5.8 5.1 7.7





#83

Butylbenzylphthalate

Concen: 38.883 ng/ul

RT: 20.577 min Scan# 2993

Delta R.T. 0.003 min

Lab File: BG061568.D

Acq: 8 Jun 2024 16:54

Instrument :

BNA_G

ClientSampleId :

BHBS2

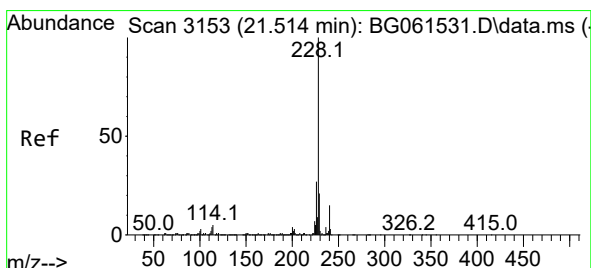
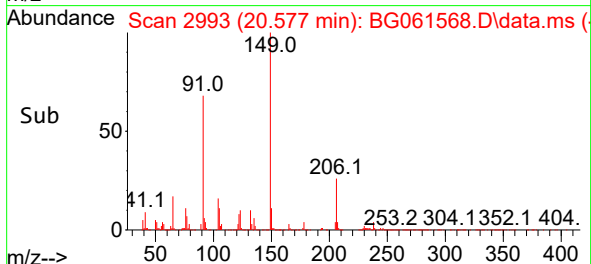
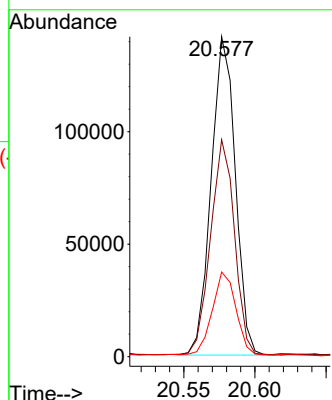
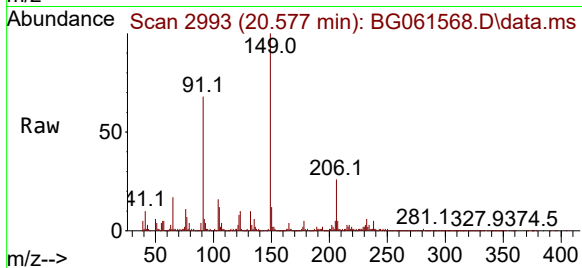
Tgt Ion:149 Resp: 166835

Ion Ratio Lower Upper

149 100

91 67.8 54.8 82.2

206 26.5 19.4 29.0



#85

Benzo(a)anthracene

Concen: 92.999 ng/ul

RT: 21.517 min Scan# 3153

Delta R.T. 0.015 min

Lab File: BG061568.D

Acq: 8 Jun 2024 16:54

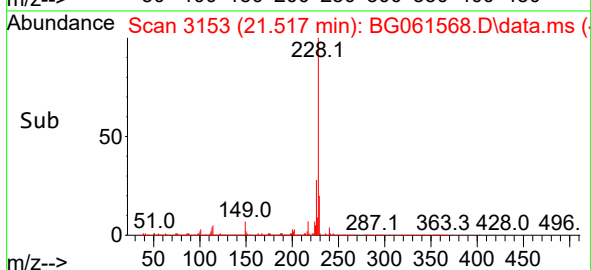
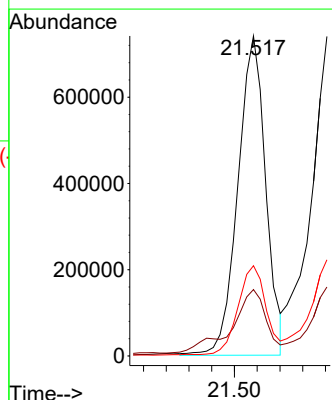
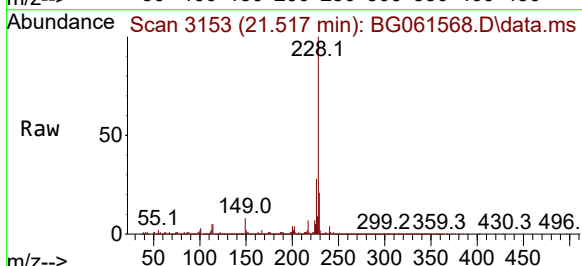
Tgt Ion:228 Resp: 1253573

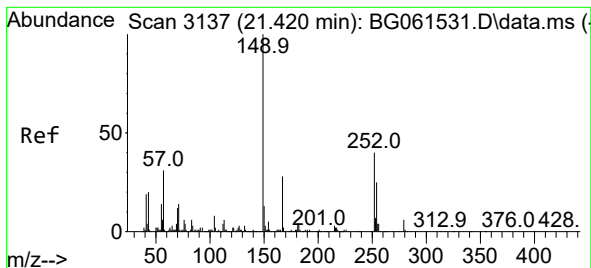
Ion Ratio Lower Upper

228 100

229 20.8 15.2 22.8

226 28.2 21.4 32.2

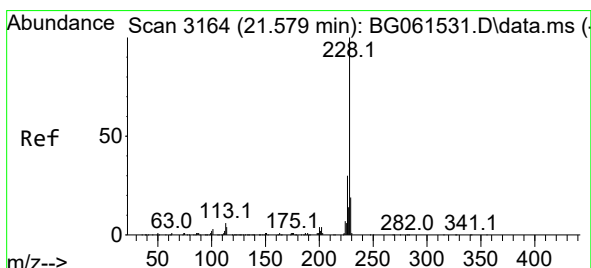
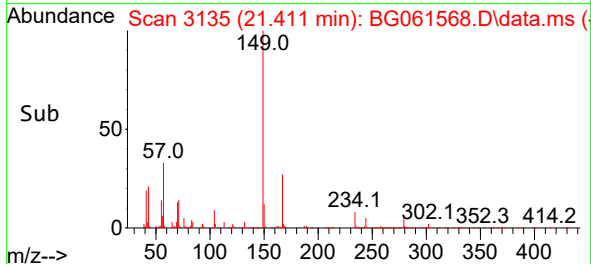
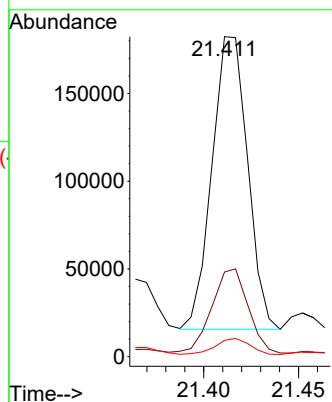
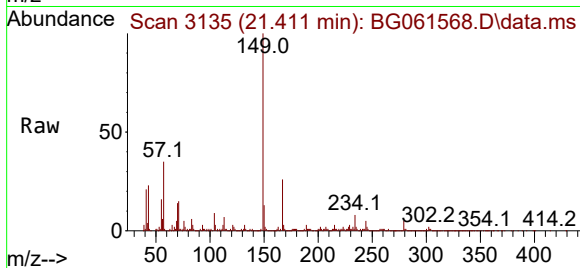




#86
 Bis(2-ethylhexyl)phthalate
 Concen: 34.335 ng/ul
 RT: 21.411 min Scan# 3137
 Delta R.T. 0.003 min
 Lab File: BG061568.D
 Acq: 8 Jun 2024 16:54

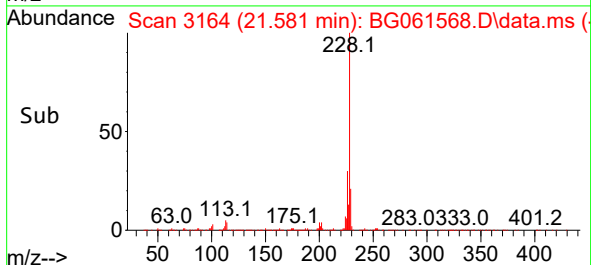
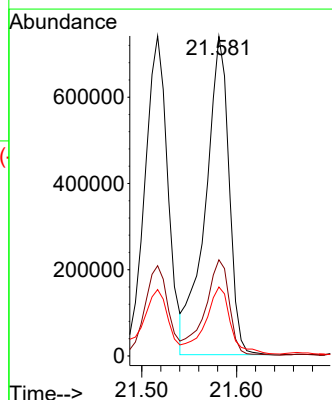
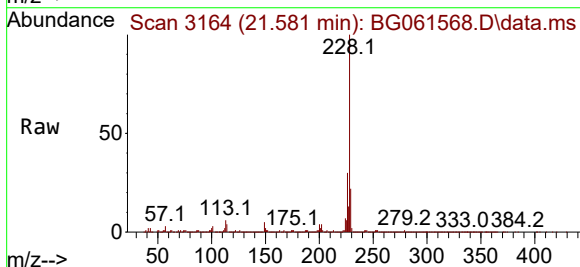
Instrument :
 BNA_G
 ClientSampleId :
 BHBS2

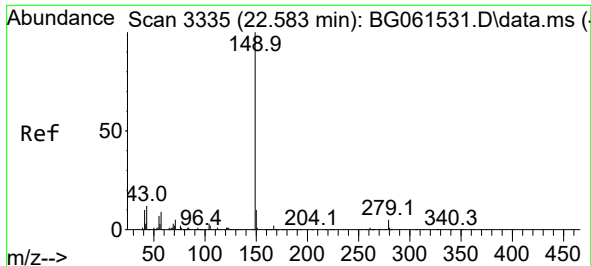
Tgt Ion:149 Resp: 218073
 Ion Ratio Lower Upper
 149 100
 167 26.5 21.1 31.7
 279 5.1 3.3 4.9#



#87
 Chrysene
 Concen: 103.014 ng/ul
 RT: 21.581 min Scan# 3164
 Delta R.T. 0.015 min
 Lab File: BG061568.D
 Acq: 8 Jun 2024 16:54

Tgt Ion:228 Resp: 1278582
 Ion Ratio Lower Upper
 228 100
 226 30.1 23.4 35.0
 229 21.6 15.4 23.2

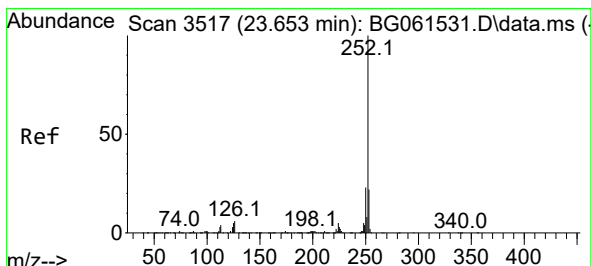
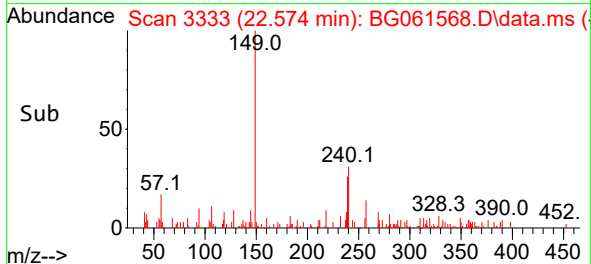
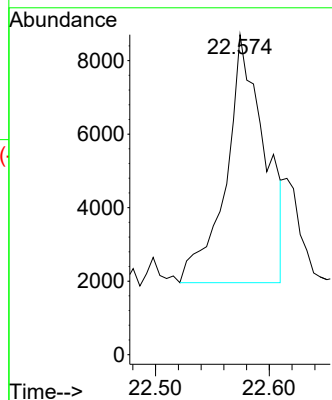
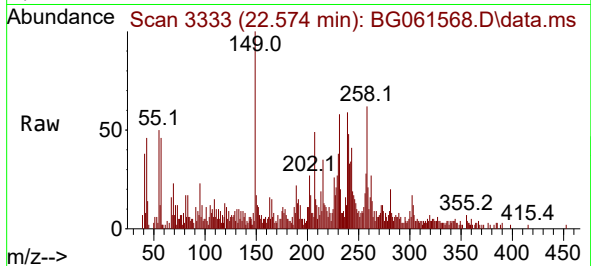




#89
Di-n-octyl phthalate
Concen: 1.442 ng/ul
RT: 22.574 min Scan# 31
Delta R.T. 0.009 min
Lab File: BG061568.D
Acq: 8 Jun 2024 16:54

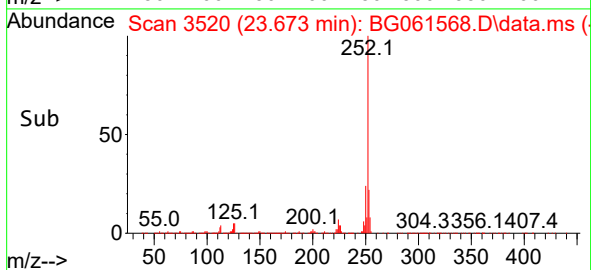
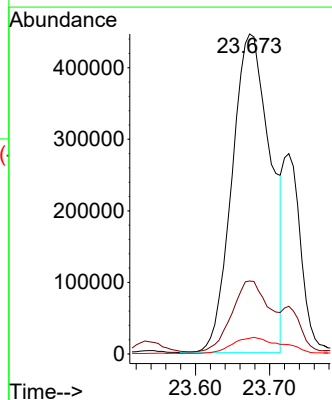
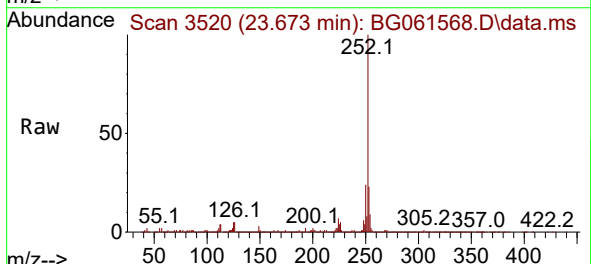
Instrument :
BNA_G
ClientSampleId :
BHBS2

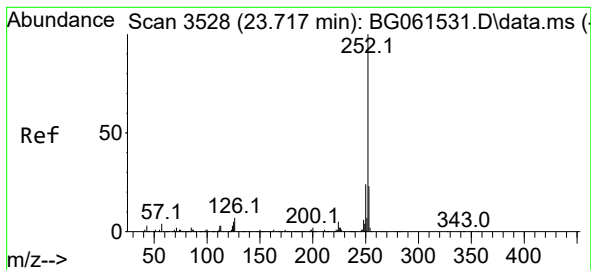
Tgt Ion:149 Resp: 15887



#90
Benzo(b)fluoranthene
Concen: 122.305 ng/ul
RT: 23.673 min Scan# 3520
Delta R.T. 0.039 min
Lab File: BG061568.D
Acq: 8 Jun 2024 16:54

Tgt Ion:252 Resp: 1603258
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 4.9 4.6 6.8





#91

Benzo(k)fluoranthene

Concen: 120.477 ng/ul

RT: 23.673 min Scan# 3

Delta R.T. -0.026 min

Lab File: BG061568.D

Acq: 8 Jun 2024 16:54

Instrument :

BNA_G

ClientSampleId :

BHBS2

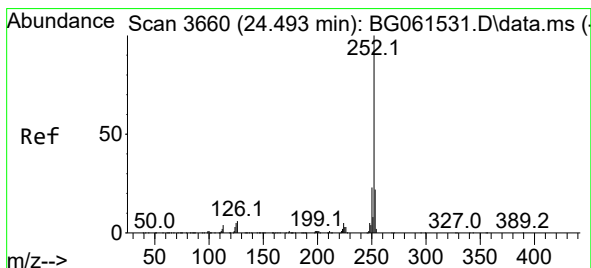
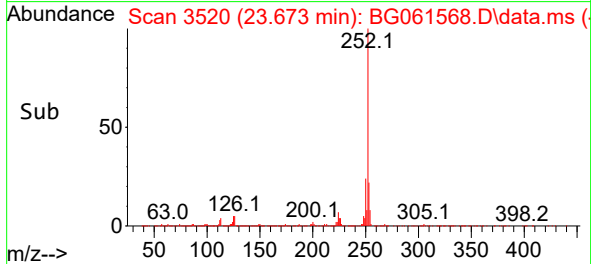
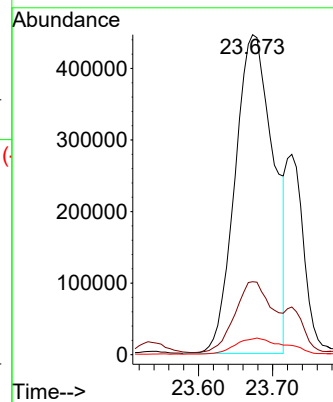
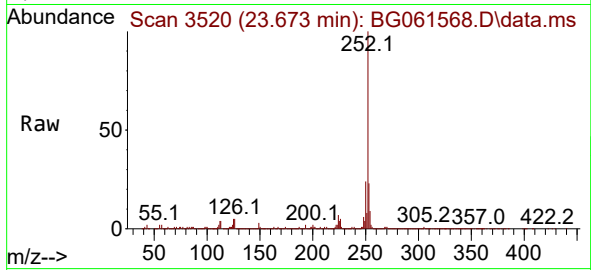
Tgt Ion:252 Resp: 1603258

Ion Ratio Lower Upper

252 100

253 22.8 16.0 24.0

125 4.9 4.3 6.5



#93

Benzo(a)pyrene

Concen: 49.312 ng/ul

RT: 24.501 min Scan# 3661

Delta R.T. 0.033 min

Lab File: BG061568.D

Acq: 8 Jun 2024 16:54

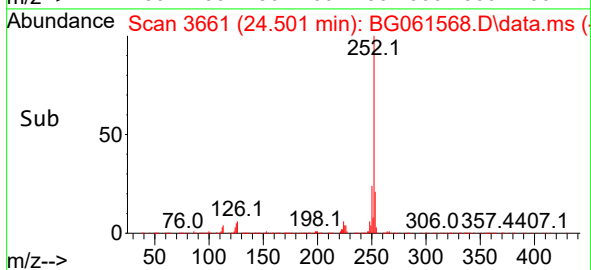
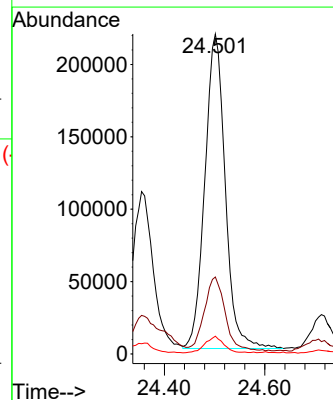
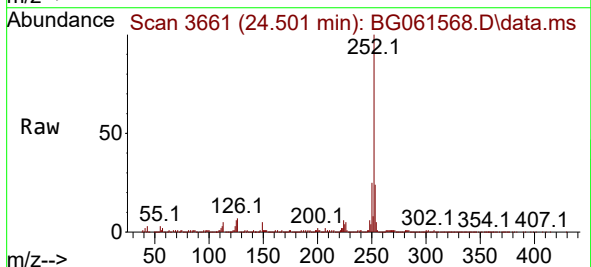
Tgt Ion:252 Resp: 613814

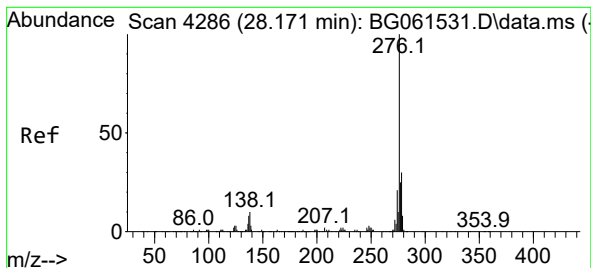
Ion Ratio Lower Upper

252 100

253 24.0 16.4 24.6

125 5.6 4.3 6.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 25.912 ng/ul

RT: 28.185 min Scan# 4288

Delta R.T. 0.050 min

Lab File: BG061568.D

Acq: 8 Jun 2024 16:54

Instrument :

BNA_G

ClientSampleId :

BHBS2

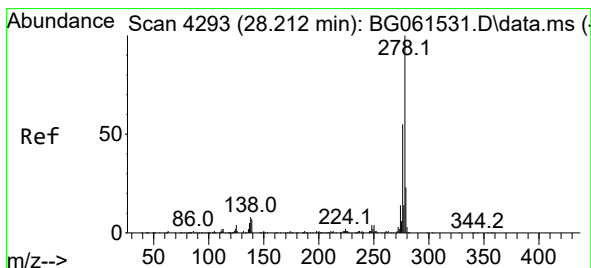
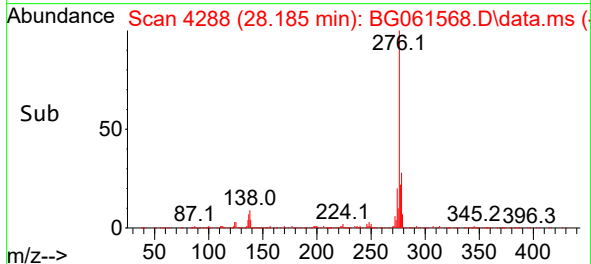
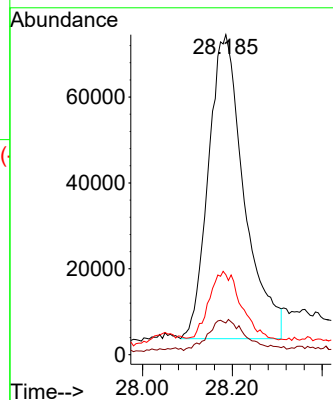
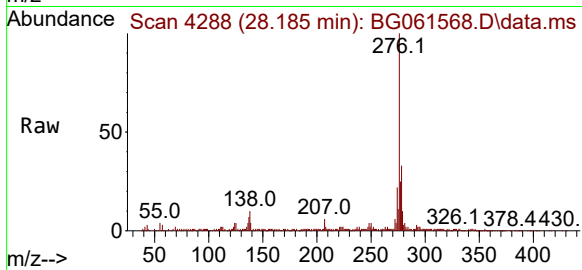
Tgt Ion:276 Resp: 390047

Ion Ratio Lower Upper

276 100

138 13.6 8.6 13.0#

277 25.0 19.7 29.5



#95

Dibenzo(a,h)anthracene

Concen: 6.113 ng/ul

RT: 28.209 min Scan# 4292

Delta R.T. 0.039 min

Lab File: BG061568.D

Acq: 8 Jun 2024 16:54

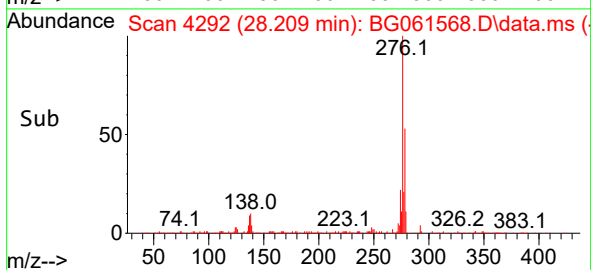
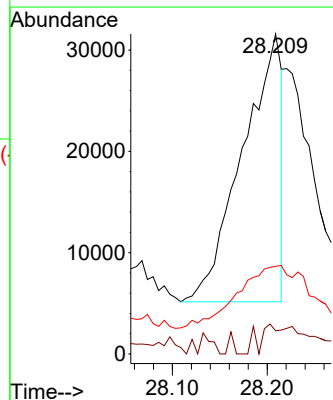
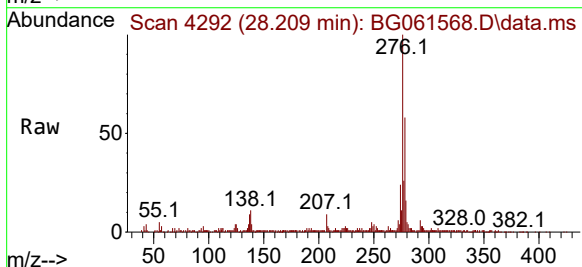
Tgt Ion:278 Resp: 75870

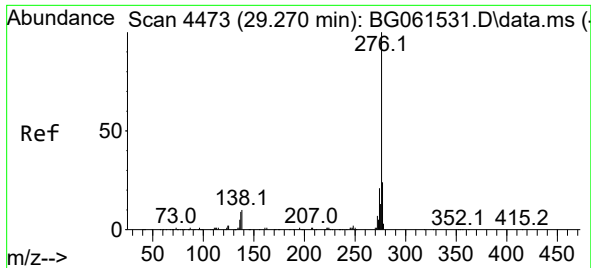
Ion Ratio Lower Upper

278 100

139 7.2 6.4 9.6

279 27.4 19.9 29.9





#96
 Benzo(g,h,i)perylene
 Concen: 2.046 ng/ul
 RT: 29.272 min Scan# 4473
 Delta R.T. 0.050 min
 Lab File: BG061568.D
 Acq: 8 Jun 2024 16:54

Instrument :
 BNA_G
 ClientSampleId :
 BHBS2

Tgt Ion:276 Resp: 24500
 Ion Ratio Lower Upper
 276 100
 138 13.0 8.7 13.1
 277 33.8 18.2 27.2#

