

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053024\
 Data File : BG061369.D
 Acq On : 30 May 2024 21:17
 Operator : MA/JU
 Sample : P2570-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH6B6

Quant Time: May 30 22:57:27 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 30 22:54:48 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.870	152	25114	20.000	ng/u1	0.00
20) Naphthalene-d8	10.667	136	95670	20.000	ng/u1 #	0.00
38) Acenaphthene-d10	14.510	164	77735	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.259	188	179763	20.000	ng/u1 #	0.00
79) Chrysene-d12	21.513	240	187550	20.000	ng/u1	0.00
88) Perylene-d12	24.592	264	204519	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.329	96	2253	5.020	ng/uL	0.00
4) Pyridine-d5	3.740	84	22375	14.015	ng/u1	0.00
7) Phenol-d5	7.054	99	45826	22.220	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.201	67	28514	21.997	ng/u1	0.00
11) 2-Chlorophenol-d4	7.412	132	37348	24.469	ng/u1	0.00
15) 4-Methylphenol-d8	8.593	113	32348	18.395	ng/u1	0.00
21) Nitrobenzene-d5	9.028	128	19607	26.619	ng/u1	0.00
24) 2-Nitrophenol-d4	9.751	143	22828	26.481	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.297	165	44836	26.678	ng/u1	0.00
31) 4-Chloroaniline-d4	10.796	131	30766	13.993	ng/u1	0.00
46) Dimethylphthalate-d6	13.916	166	159204	26.407	ng/u1	0.00
49) Acenaphthylene-d8	14.198	160	170242	27.161	ng/u1	0.00
54) 4-Nitrophenol-d4	14.745	143	14820	19.883	ng/u1	0.00
60) Fluorene-d10	15.503	176	135621	26.055	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.638	200	22044	20.275	ng/u1	0.00
73) Anthracene-d10	17.359	188	215166	27.150	ng/u1	0.00
81) Pyrene-d10	19.651	212	269231	27.958	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.386	264	272282	27.692	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.714	128	18473	3.658	ng/u1	97
32) 4-Chloroaniline	10.714	127	2622	1.200	ng/u1#	34
36) 2-Methylnaphthalene	12.324	142	12084	3.300	ng/u1	96
37) 1-Methylnaphthalene	12.541	142	10515	2.798	ng/u1	84
52) Acenaphthene	14.568	153	52522	11.519	ng/u1	95
56) Dibenzofuran	14.903	168	50642	7.768	ng/u1	100
61) Fluorene	15.555	166	51965	9.213	ng/u1	100
66) 4,6-Dinitro-2-methylph...	15.555	198	1250	1.097	ng/u1#	76
72) Phenanthrene	17.300	178	719849	82.505	ng/u1	99
74) Anthracene	17.394	178	155423	17.229	ng/u1	99
77) Carbazole	17.665	167	64288	8.761	ng/u1	98
80) Fluoranthene	19.316	202	764643	66.190	ng/u1	100
82) Pyrene	19.680	202	681861	56.863	ng/u1	100
85) Benzo(a)anthracene	21.490	228	362820	28.036	ng/u1	96
87) Chrysene	21.554	228	325927	27.352	ng/u1	95
90) Benzo(b)fluoranthene	23.622	252	333672	27.402	ng/u1	97
91) Benzo(k)fluoranthene	23.622	252	333672	26.992	ng/u1	93
93) Benzo(a)pyrene	24.451	252	263690	22.805	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	28.094	276	160916	11.508	ng/u1	96
95) Dibenzo(a,h)anthracene	28.117	278	24532	2.128	ng/u1#	81
96) Benzo(g,h,i)perylene	29.187	276	150393	13.520	ng/u1	98

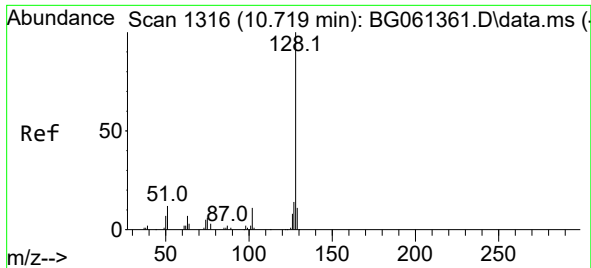
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Instrument :

BNA_G

ClientSampleId :

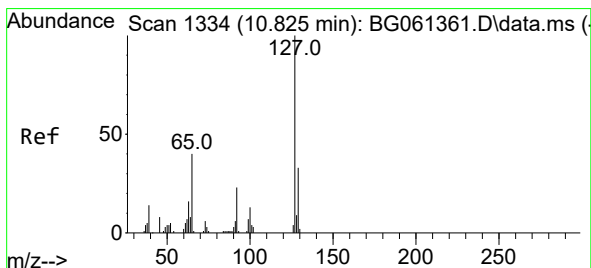
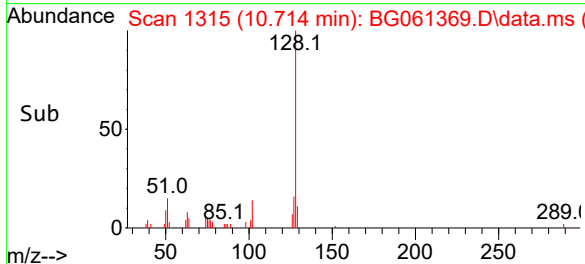
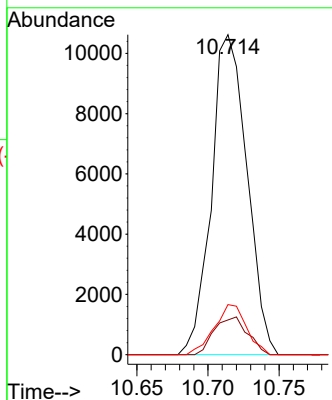
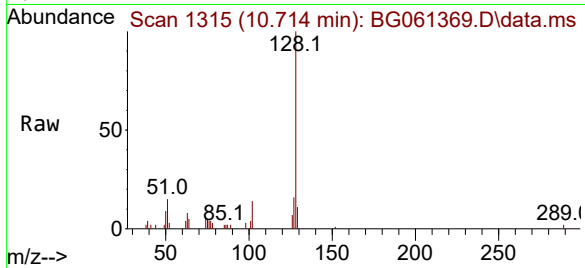
BH6B6



#30
Naphthalene
Concen: 3.658 ng/ul
RT: 10.714 min Scan# 1316
Delta R.T. -0.005 min
Lab File: BG061369.D
Acq: 30 May 2024 21:17

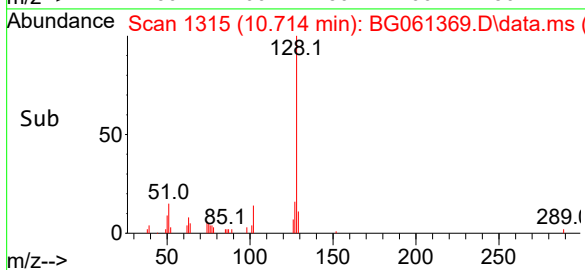
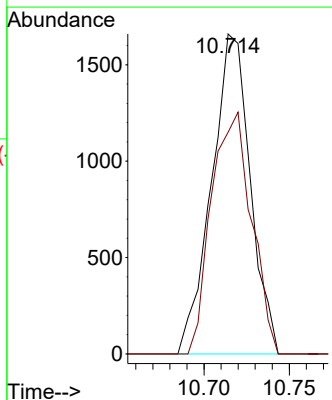
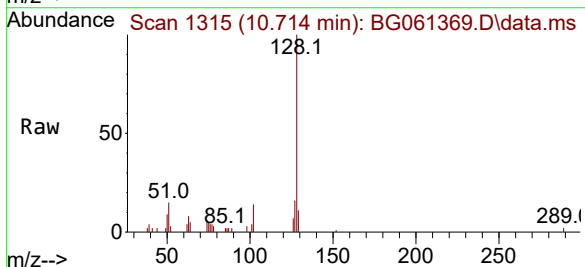
Instrument :
BNA_G
ClientSampleId :
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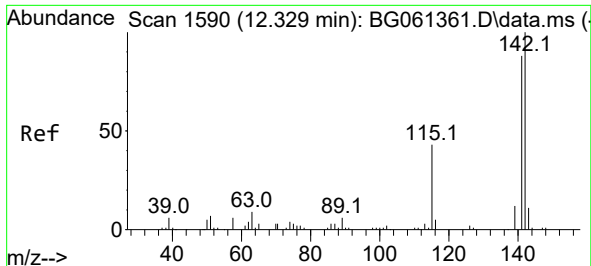
Tgt Ion:128 Resp: 18473
Ion Ratio Lower Upper
128 100
129 10.8 8.6 12.8
127 15.6 10.8 16.2



#32
4-Chloroaniline
Concen: 1.200 ng/ul
RT: 10.714 min Scan# 1315
Delta R.T. -0.111 min
Lab File: BG061369.D
Acq: 30 May 2024 21:17

Tgt Ion:127 Resp: 2622
Ion Ratio Lower Upper
127 100
129 69.3 25.9 38.9#

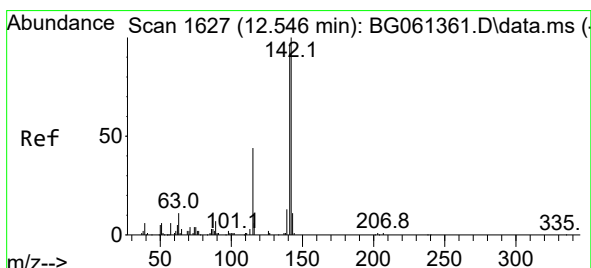
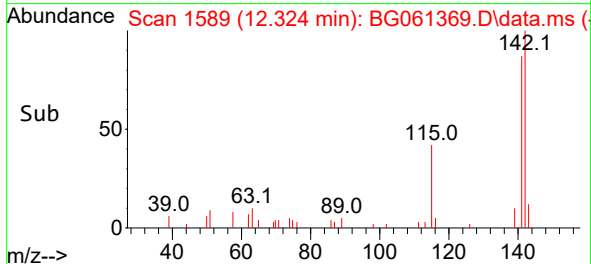
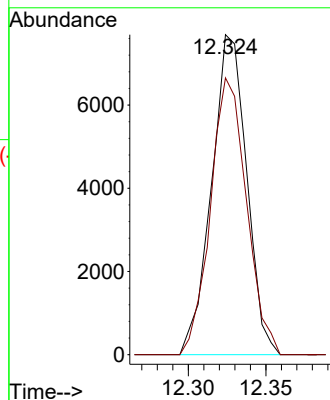
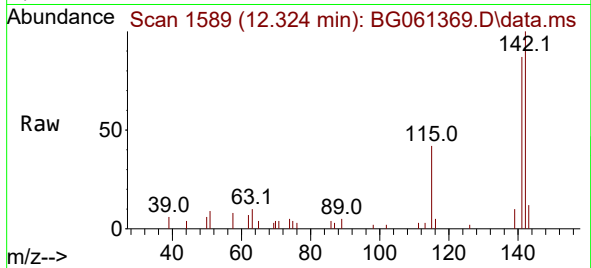




#36
2-Methylnaphthalene
Concen: 3.300 ng/ul
RT: 12.324 min Scan# 1589
Delta R.T. -0.005 min
Lab File: BG061369.D
Acq: 30 May 2024 21:17

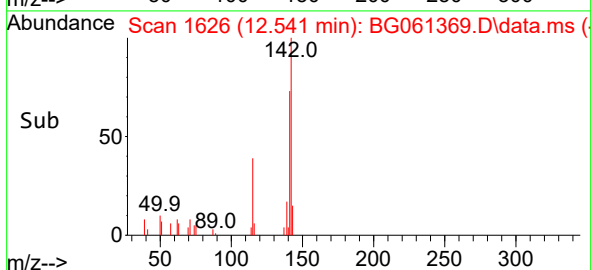
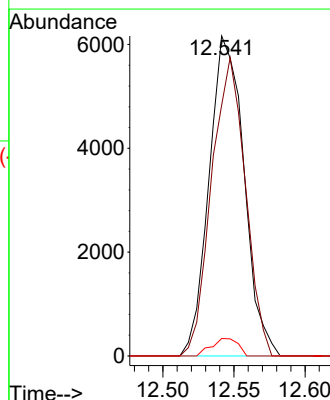
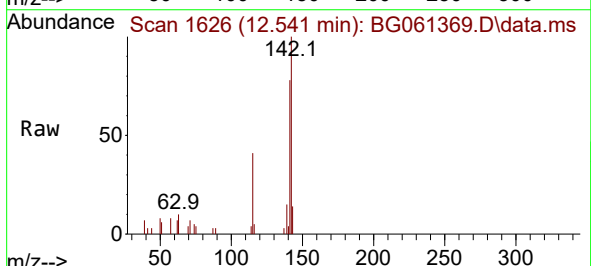
Instrument :
BNA_G
ClientSampleId :
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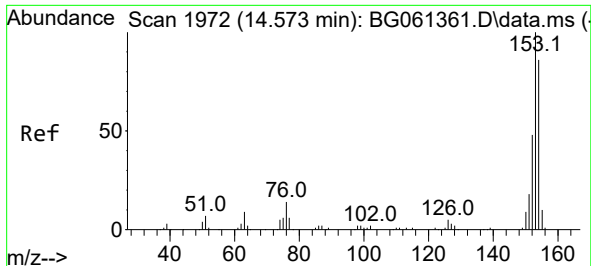
Tgt Ion:142 Resp: 12084
Ion Ratio Lower Upper
142 100
141 86.5 72.2 108.2



#37
1-Methylnaphthalene
Concen: 2.798 ng/ul
RT: 12.541 min Scan# 1626
Delta R.T. -0.005 min
Lab File: BG061369.D
Acq: 30 May 2024 21:17

Tgt Ion:142 Resp: 10515
Ion Ratio Lower Upper
142 100
141 78.4 75.5 113.3
116 5.5 4.0 6.0

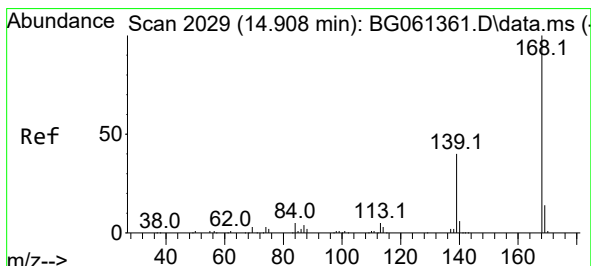
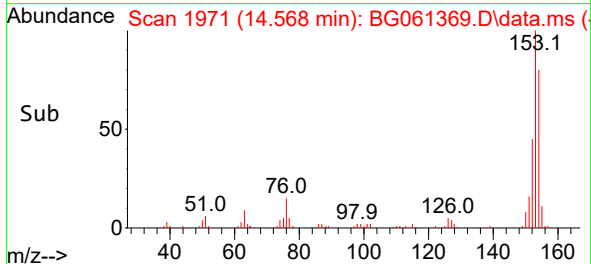
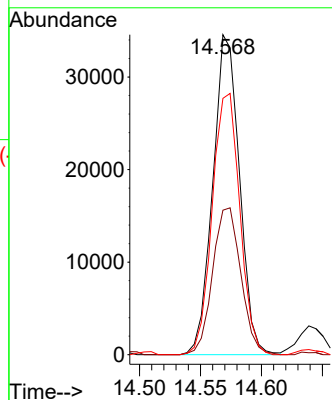
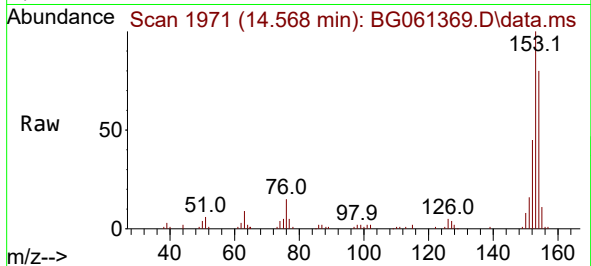




#52
Acenaphthene
Concen: 11.519 ng/ul
RT: 14.568 min Scan# 1971
Delta R.T. -0.005 min
Lab File: BG061369.D
Acq: 30 May 2024 21:17

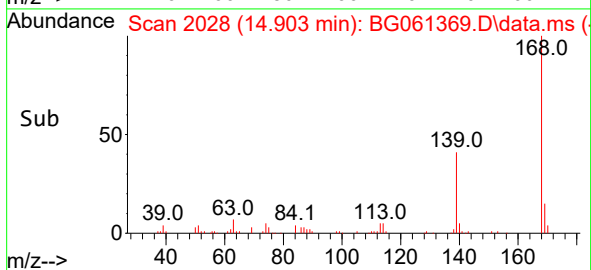
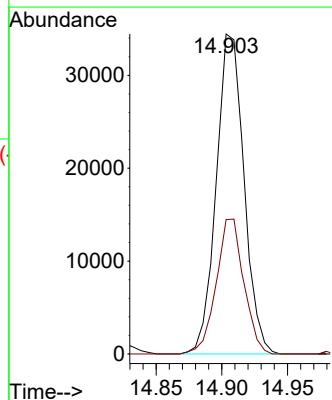
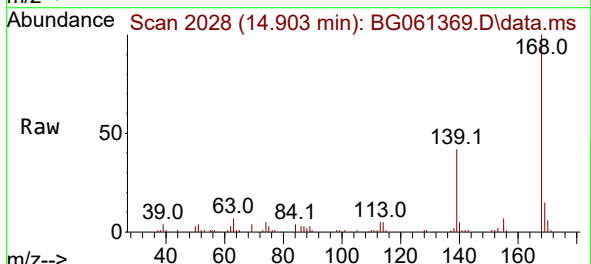
Instrument :
BNA_G
ClientSampleId :
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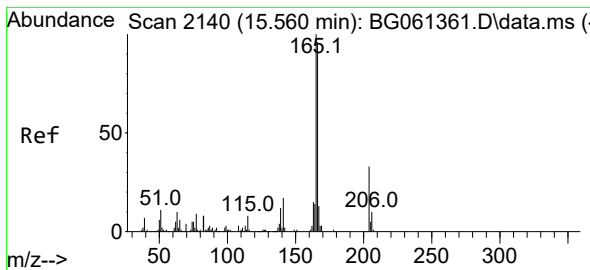
Tgt Ion:153 Resp: 52522
Ion Ratio Lower Upper
153 100
152 45.1 37.8 56.8
154 80.1 69.0 103.6



#56
Dibenzofuran
Concen: 7.768 ng/ul
RT: 14.903 min Scan# 2028
Delta R.T. -0.005 min
Lab File: BG061369.D
Acq: 30 May 2024 21:17

Tgt Ion:168 Resp: 50642
Ion Ratio Lower Upper
168 100
139 42.0 33.4 50.2





#61

Fluorene

Concen: 9.213 ng/ul

RT: 15.555 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG061369.D

Acq: 30 May 2024 21:17

Instrument :

BNA_G

ClientSampleId :

BH6B6

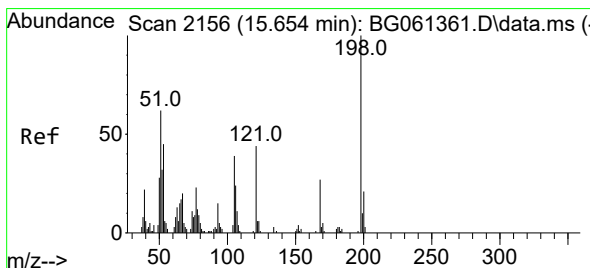
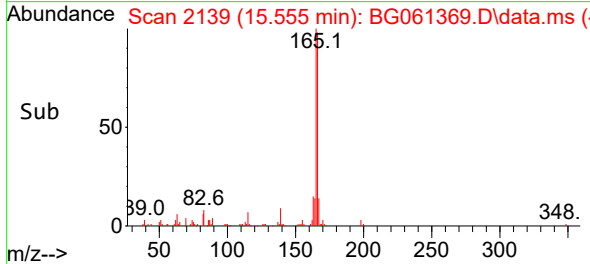
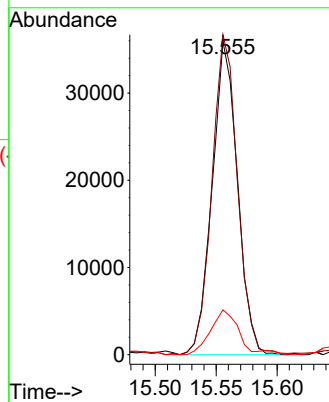
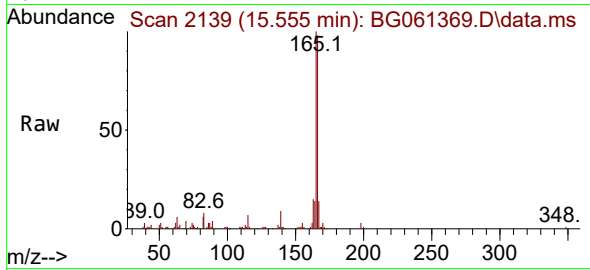
Tgt Ion:166 Resp: 51965

Ion Ratio Lower Upper

166 100

165 102.1 81.8 122.8

167 14.3 10.6 16.0



#66

4,6-Dinitro-2-methylphenol

Concen: 1.097 ng/ul

RT: 15.555 min Scan# 2139

Delta R.T. -0.099 min

Lab File: BG061369.D

Acq: 30 May 2024 21:17

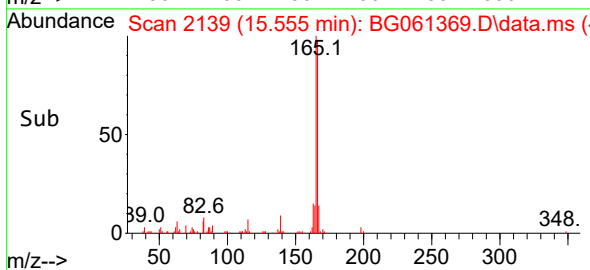
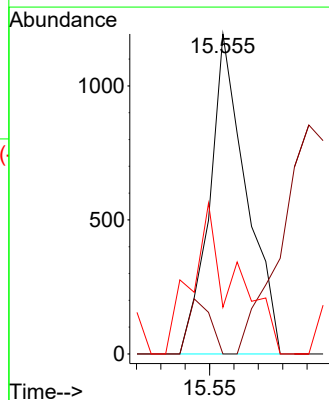
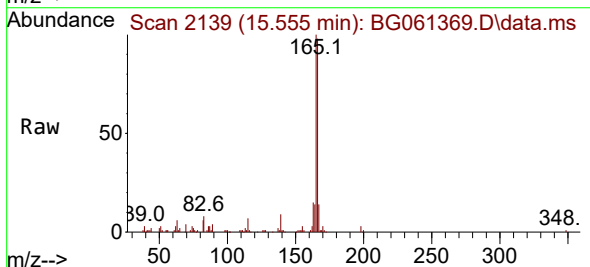
Tgt Ion:198 Resp: 1250

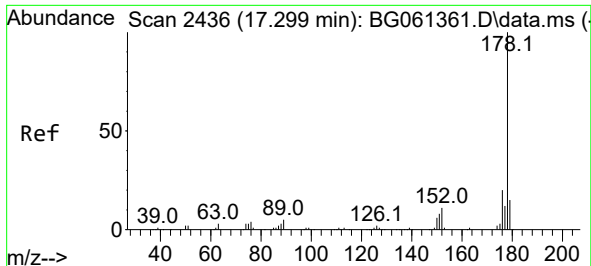
Ion Ratio Lower Upper

198 100

182 0.0 2.9 4.3#

77 14.6 22.3 33.5#

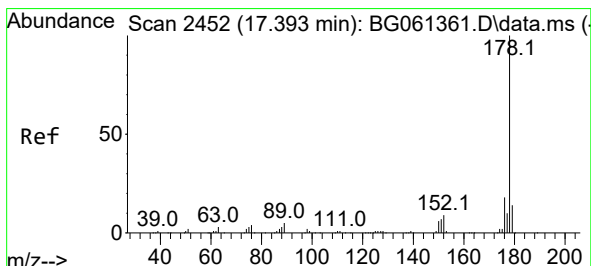
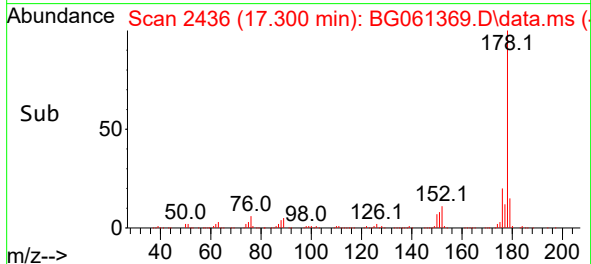
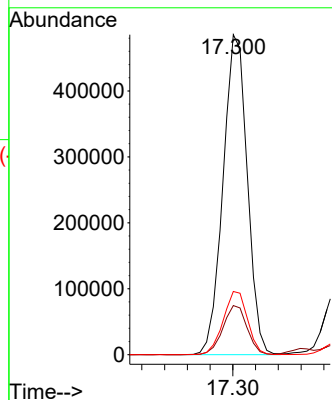
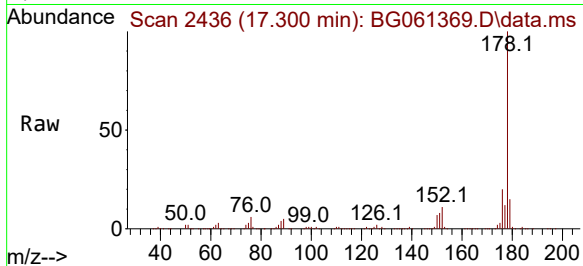




#72
Phenanthrene
Concen: 82.505 ng/uI
RT: 17.300 min Scan# 2436
Delta R.T. 0.001 min
Lab File: BG061369.D
Acq: 30 May 2024 21:17

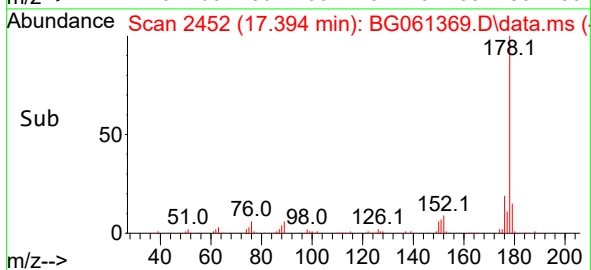
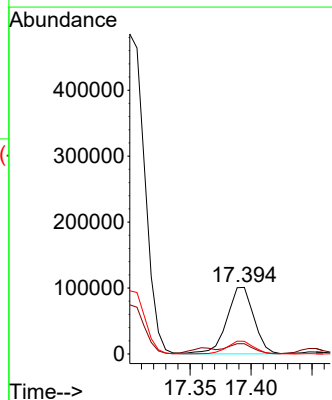
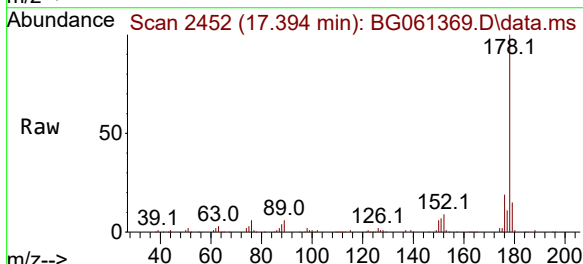
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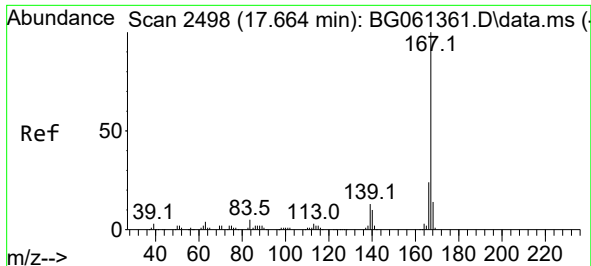
Tgt Ion:178 Resp: 719849
Ion Ratio Lower Upper
178 100
179 15.3 12.7 19.1
176 19.7 15.5 23.3



#74
Anthracene
Concen: 17.229 ng/uI
RT: 17.394 min Scan# 2452
Delta R.T. 0.001 min
Lab File: BG061369.D
Acq: 30 May 2024 21:17

Tgt Ion:178 Resp: 155423
Ion Ratio Lower Upper
178 100
179 15.3 11.8 17.6
176 19.1 14.9 22.3

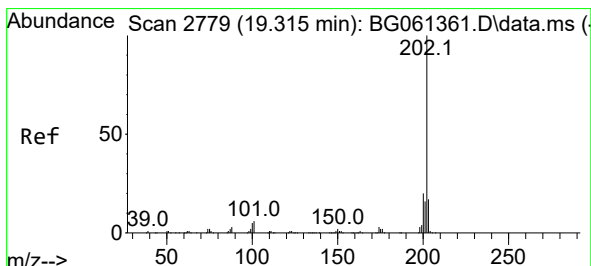
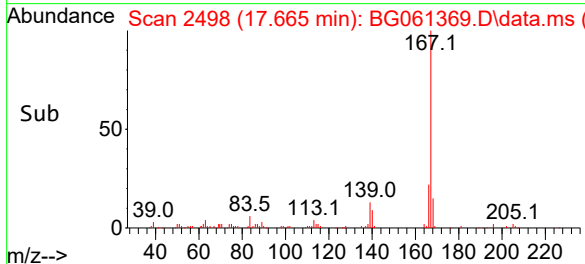
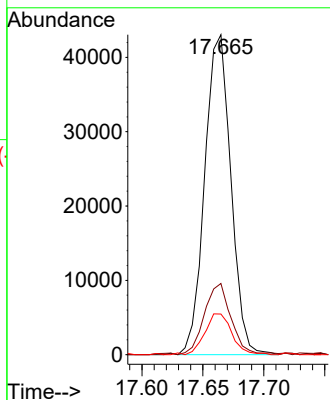
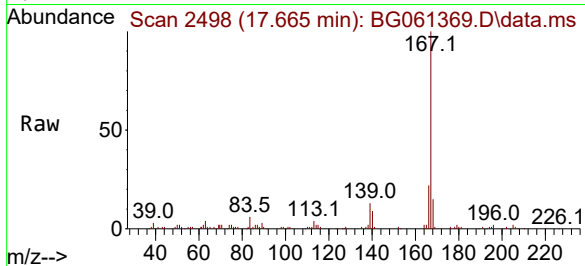




#77
 Carbazole
 Concen: 8.761 ng/ul
 RT: 17.665 min Scan# 2498
 Delta R.T. 0.001 min
 Lab File: BG061369.D
 Acq: 30 May 2024 21:17

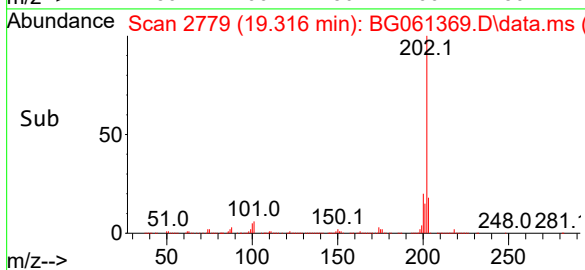
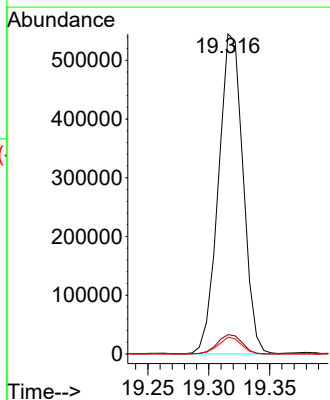
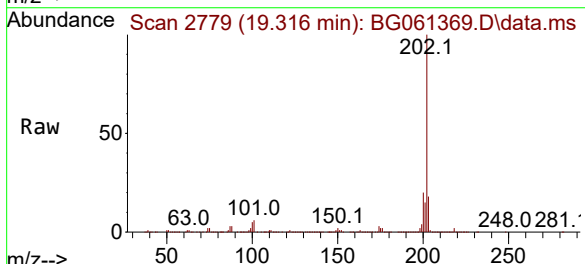
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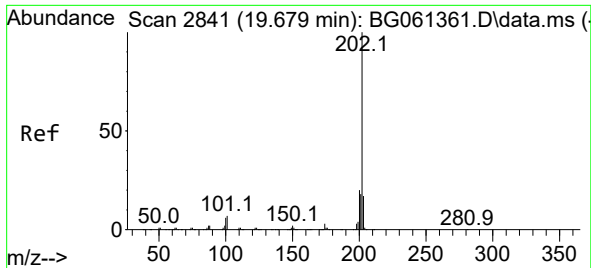
Tgt Ion:167 Resp: 64288
 Ion Ratio Lower Upper
 167 100
 166 22.3 18.6 28.0
 139 12.7 10.6 15.8



#80
 Fluoranthene
 Concen: 66.190 ng/ul
 RT: 19.316 min Scan# 2779
 Delta R.T. 0.001 min
 Lab File: BG061369.D
 Acq: 30 May 2024 21:17

Tgt Ion:202 Resp: 764643
 Ion Ratio Lower Upper
 202 100
 101 6.0 4.8 7.2
 100 5.3 4.1 6.1

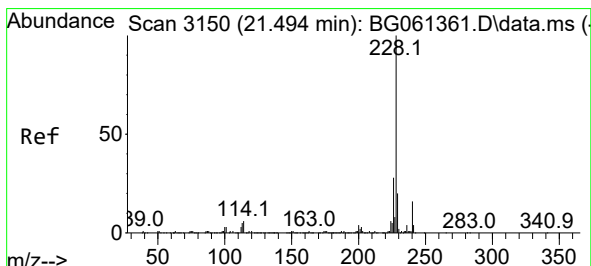
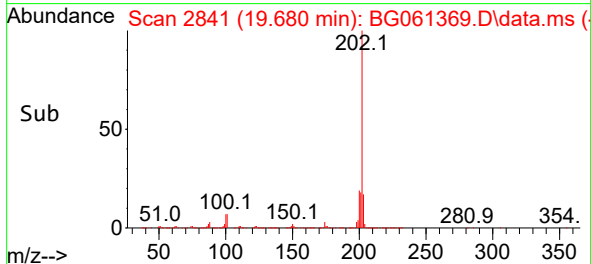
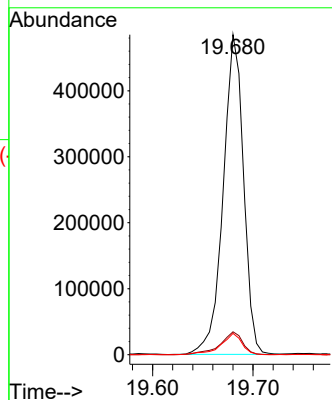
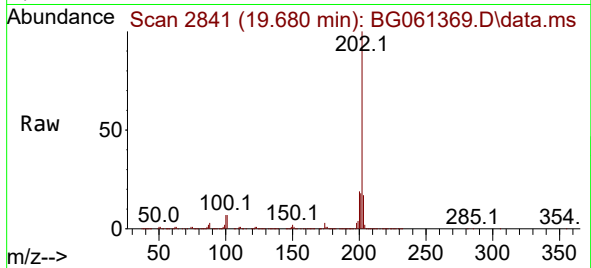




#82
 Pyrene
 Concen: 56.863 ng/ul
 RT: 19.680 min Scan# 2149
 Delta R.T. 0.001 min
 Lab File: BG061369.D
 Acq: 30 May 2024 21:17

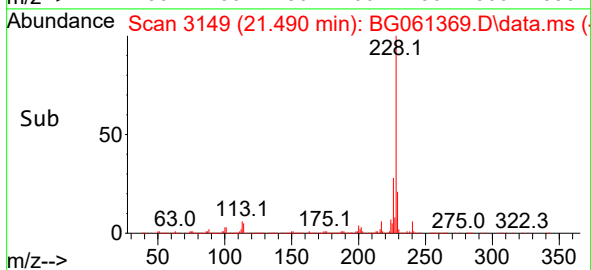
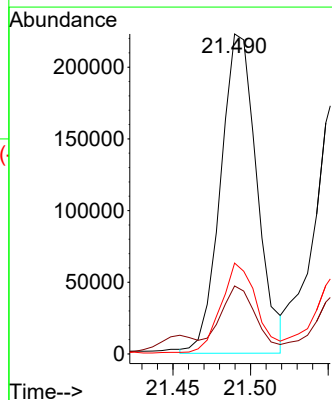
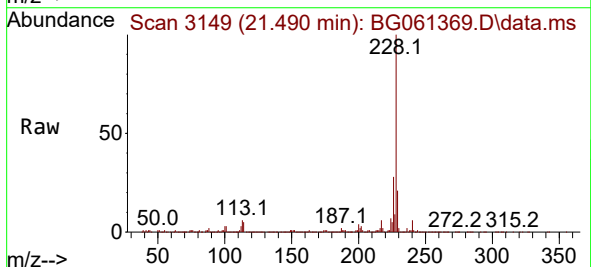
Instrument :
 BNA_G
 ClientSampleId :
 BH6B6

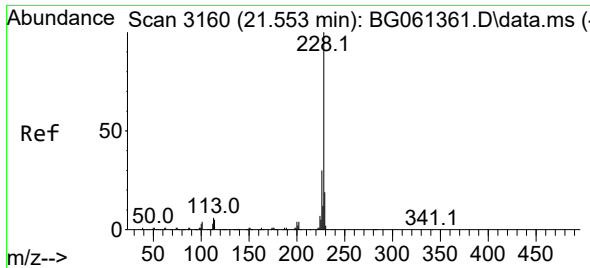
Tgt Ion:202 Resp: 681861
 Ion Ratio Lower Upper
 202 100
 101 7.1 5.7 8.5
 100 6.7 5.1 7.7



#85
 Benzo(a)anthracene
 Concen: 28.036 ng/ul
 RT: 21.490 min Scan# 3149
 Delta R.T. -0.005 min
 Lab File: BG061369.D
 Acq: 30 May 2024 21:17

Tgt Ion:228 Resp: 362820
 Ion Ratio Lower Upper
 228 100
 229 21.2 15.2 22.8
 226 28.4 21.4 32.2

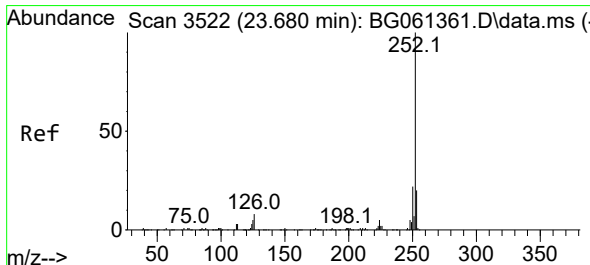
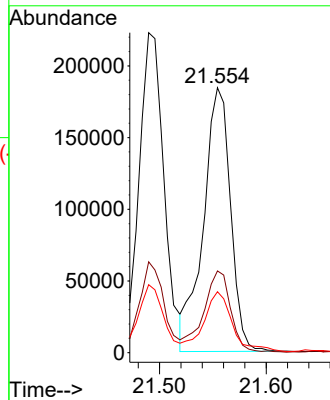
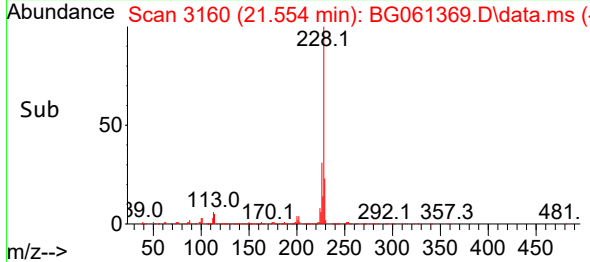
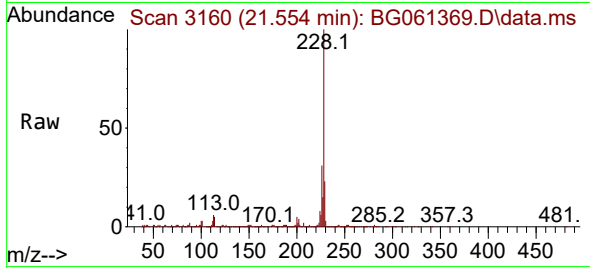




#87
Chrysene
Concen: 27.352 ng/u1
RT: 21.554 min Scan# 3160
Delta R.T. 0.001 min
Lab File: BG061369.D
Acq: 30 May 2024 21:17

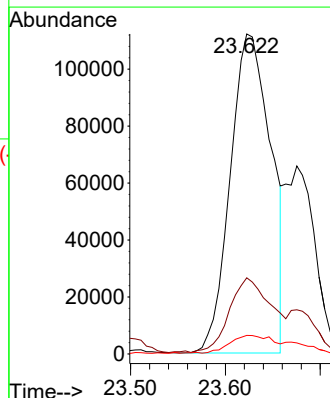
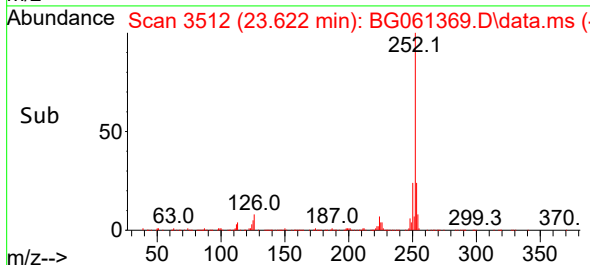
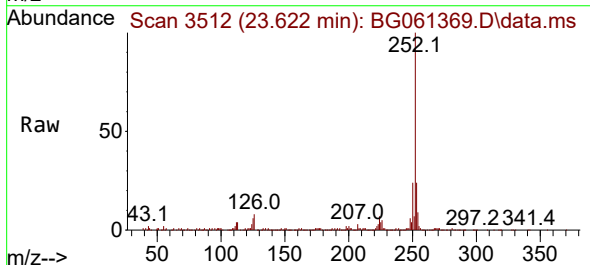
Instrument :
BNA_G
ClientSampleId :
BH6B6

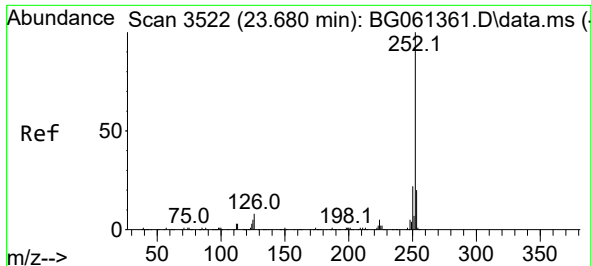
Tgt Ion:228 Resp: 325927
Ion Ratio Lower Upper
228 100
226 30.8 23.4 35.0
229 23.0 15.4 23.2



#90
Benzo(b)fluoranthene
Concen: 27.402 ng/u1
RT: 23.622 min Scan# 3512
Delta R.T. 0.007 min
Lab File: BG061369.D
Acq: 30 May 2024 21:17

Tgt Ion:252 Resp: 333672
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.8
125 5.8 4.6 6.8

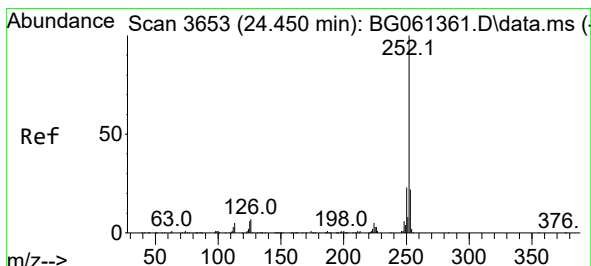
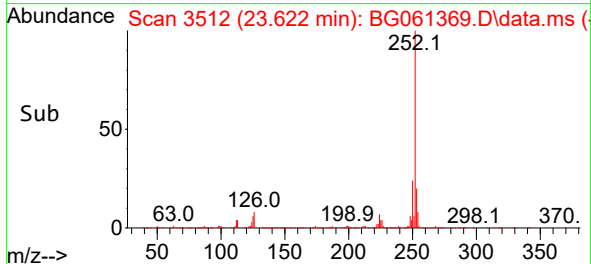
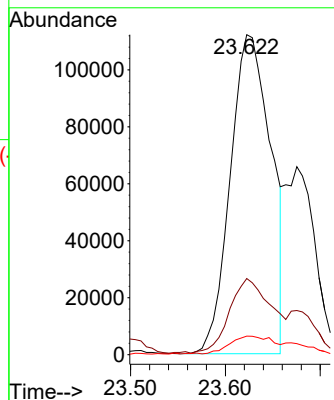
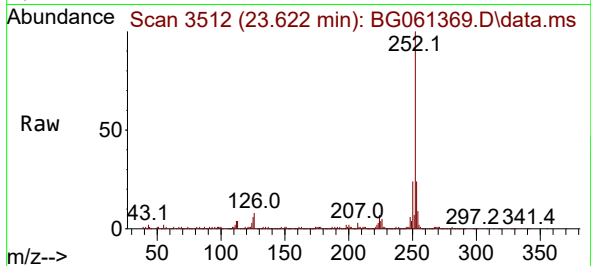




#91
Benzo(k)fluoranthene
Concen: 26.992 ng/ul
RT: 23.622 min Scan# 31
Delta R.T. -0.058 min
Lab File: BG061369.D
Acq: 30 May 2024 21:17

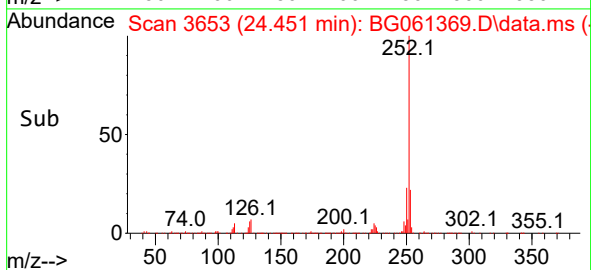
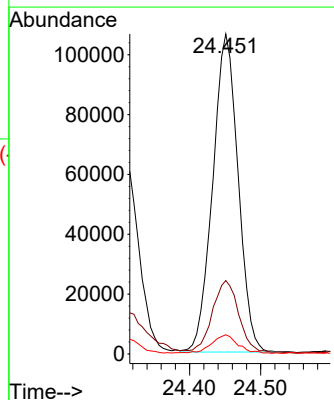
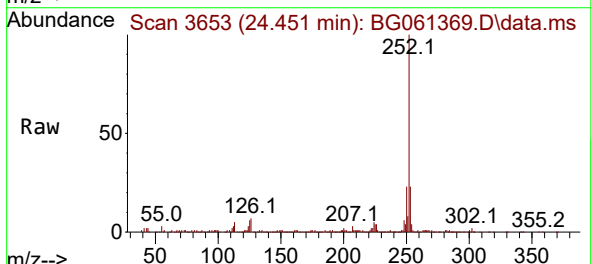
Instrument :
BNA_G
ClientSampleId :
BH6B6

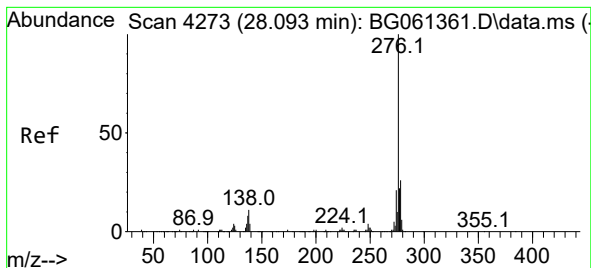
Tgt Ion:252 Resp: 333672
Ion Ratio Lower Upper
252 100
253 23.8 16.0 24.0
125 5.8 4.3 6.5



#93
Benzo(a)pyrene
Concen: 22.805 ng/ul
RT: 24.451 min Scan# 3653
Delta R.T. 0.001 min
Lab File: BG061369.D
Acq: 30 May 2024 21:17

Tgt Ion:252 Resp: 263690
Ion Ratio Lower Upper
252 100
253 23.0 16.4 24.6
125 6.0 4.3 6.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 11.508 ng/ul

RT: 28.094 min Scan# 41

Delta R.T. 0.001 min

Lab File: BG061369.D

Acq: 30 May 2024 21:17

Instrument :

BNA_G

ClientSampleId :

BH6B6

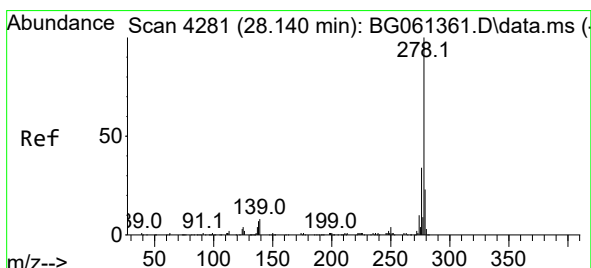
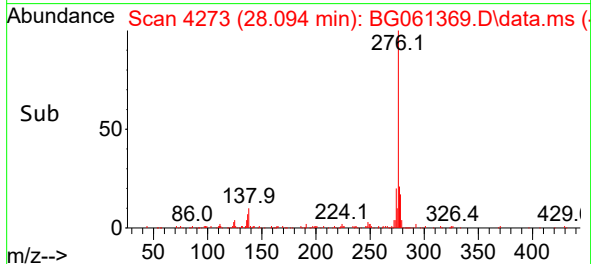
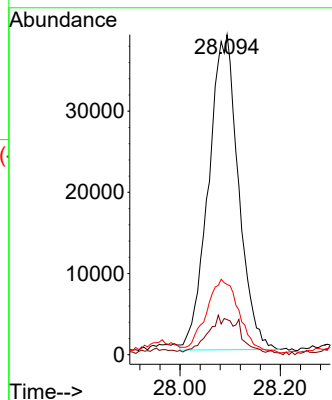
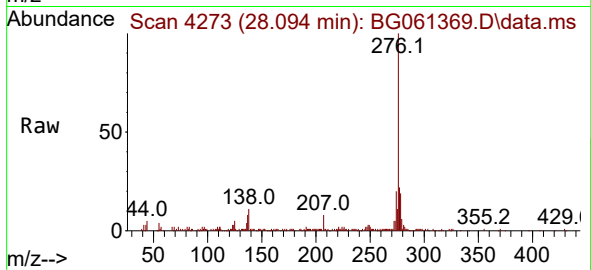
Tgt Ion:276 Resp: 160916

Ion Ratio Lower Upper

276 100

138 10.9 8.6 13.0

277 22.0 19.7 29.5



#95

Dibenzo(a,h)anthracene

Concen: 2.128 ng/ul

RT: 28.117 min Scan# 4277

Delta R.T. -0.022 min

Lab File: BG061369.D

Acq: 30 May 2024 21:17

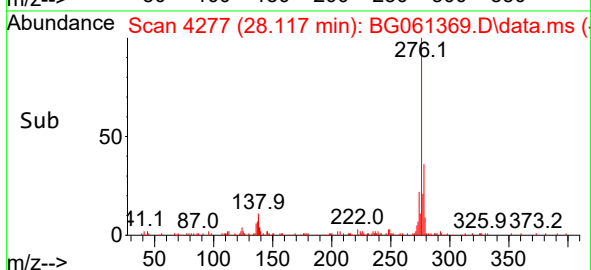
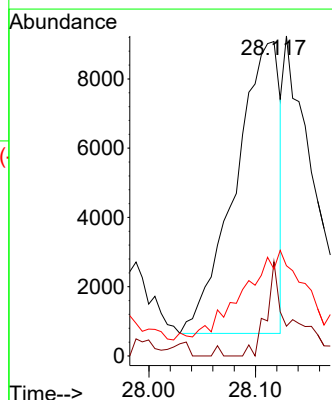
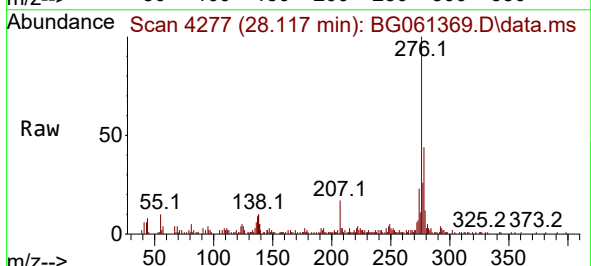
Tgt Ion:278 Resp: 24532

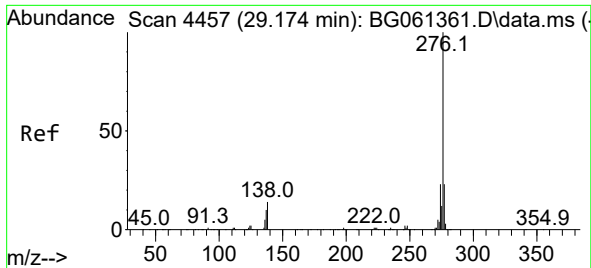
Ion Ratio Lower Upper

278 100

139 30.0 6.4 9.6#

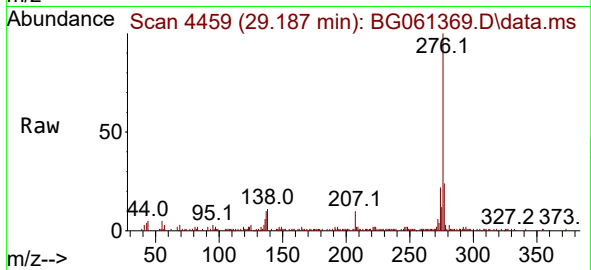
279 27.6 19.9 29.9





#96
 Benzo(g,h,i)perylene
 Concen: 13.520 ng/ul
 RT: 29.187 min Scan# 44
 Delta R.T. 0.013 min
 Lab File: BG061369.D
 Acq: 30 May 2024 21:17

Instrument :
 BNA_G
 ClientSampleId :
 BH6B6



Tgt Ion:276 Resp: 150393
 Ion Ratio Lower Upper
 276 100
 138 11.4 8.7 13.1
 277 23.9 18.2 27.2

