

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053124\
 Data File : BG061402.D
 Acq On : 31 May 2024 20:56
 Operator : MA/JU
 Sample : P2588-15
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH6E0

Quant Time: May 31 22:44:29 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)

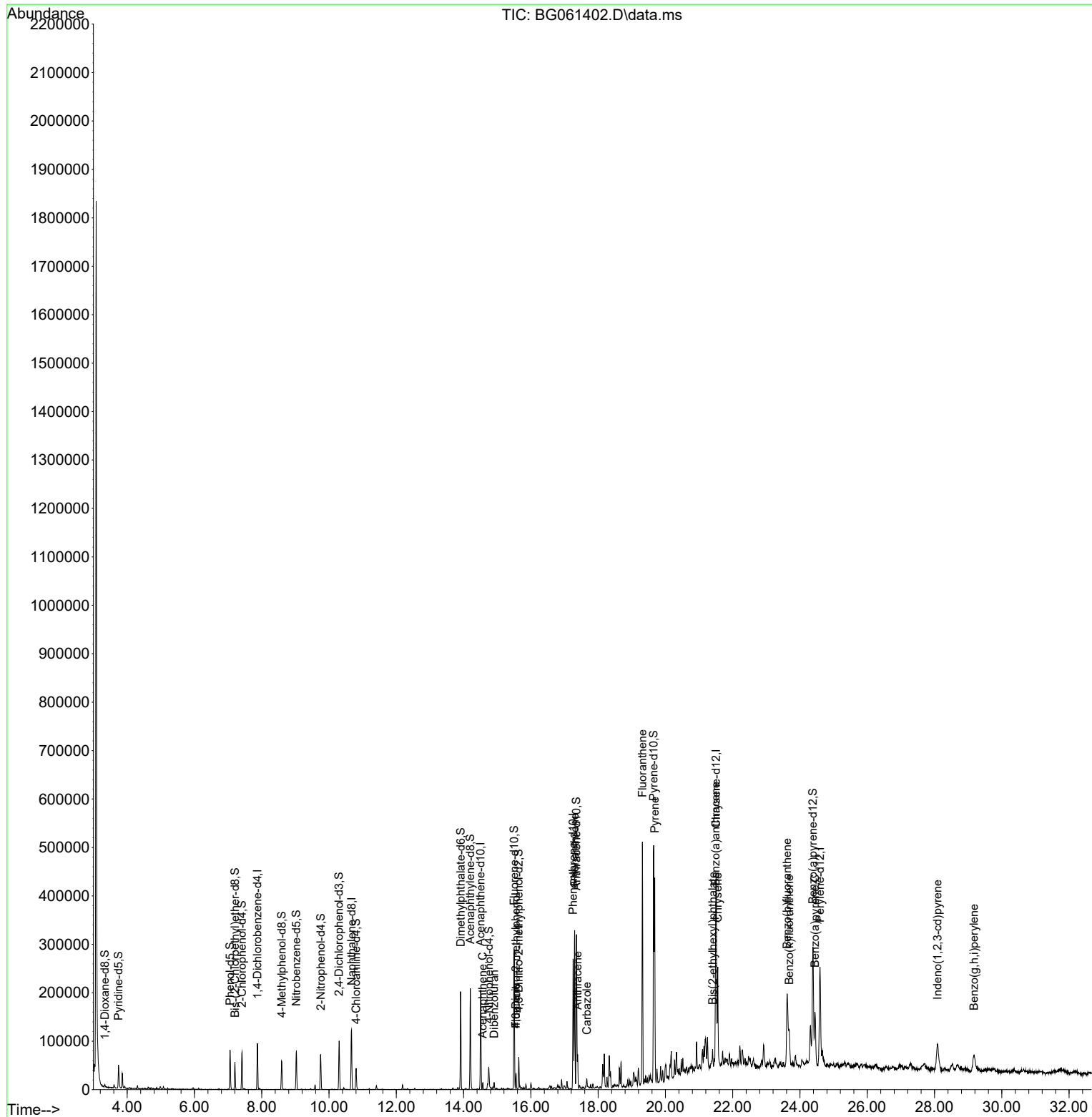
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.871	152	23680	20.000	ng/ul	0.00
20) Naphthalene-d8	10.668	136	94451	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.505	164	74774	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.255	188	176000	20.000	ng/ul	0.00
79) Chrysene-d12	21.508	240	186274	20.000	ng/ul	0.00
88) Perylene-d12	24.593	264	213065	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.336	96	2126	5.024	ng/uL	0.00
4) Pyridine-d5	3.741	84	18367	12.201	ng/ul	0.00
7) Phenol-d5	7.055	99	37391	19.228	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.202	67	24215	19.811	ng/ul	0.00
11) 2-Chlorophenol-d4	7.413	132	30837	21.427	ng/ul	0.00
15) 4-Methylphenol-d8	8.594	113	20656	12.457	ng/ul	0.00
21) Nitrobenzene-d5	9.029	128	15232	20.946	ng/ul	0.00
24) 2-Nitrophenol-d4	9.752	143	18522	21.763	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.298	165	35841	21.601	ng/ul	0.00
31) 4-Chloroaniline-d4	10.803	131	21914	10.095	ng/ul	0.00
46) Dimethylphthalate-d6	13.911	166	125230	21.594	ng/ul	0.00
49) Acenaphthylene-d8	14.199	160	137470	22.801	ng/ul	0.00
54) 4-Nitrophenol-d4	14.752	143	10883	15.179	ng/ul	0.01
60) Fluorene-d10	15.504	176	115567	23.082	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.639	200	13724	12.893	ng/ul	0.00
73) Anthracene-d10	17.354	188	191084	24.626	ng/ul	0.00
81) Pyrene-d10	19.652	212	237796	24.863	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.382	264	252319	24.633	ng/ul	0.00
Target Compounds						
					Qvalue	
52) Acenaphthene	14.570	153	6585	1.501	ng/ul	94
56) Dibenzofuran	14.904	168	7767	1.239	ng/ul	88
61) Fluorene	15.557	166	11745	2.165	ng/ul#	94
66) 4,6-Dinitro-2-methylph...	15.557	198	1832	1.642	ng/ul#	52
72) Phenanthrene	17.302	178	201325	23.568	ng/ul	98
74) Anthracene	17.390	178	44333	5.019	ng/ul	99
77) Carbazole	17.666	167	12562	1.749	ng/ul	96
80) Fluoranthene	19.317	202	317036	27.632	ng/ul	99
82) Pyrene	19.681	202	283594	23.812	ng/ul	99
85) Benzo(a)anthracene	21.491	228	140600	10.939	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.403	149	12589	2.079	ng/ul	94
87) Chrysene	21.555	228	147932	12.500	ng/ul	95
90) Benzo(b)fluoranthene	23.618	252	188720	14.877	ng/ul	99
91) Benzo(k)fluoranthene	23.676	252	57229	4.444	ng/ul	97
93) Benzo(a)pyrene	24.446	252	117792	9.779	ng/ul#	96
94) Indeno(1,2,3-cd)pyrene	28.089	276	86124	5.912	ng/ul	100
96) Benzo(g,h,i)perylene	29.176	276	70590	6.091	ng/ul#	95

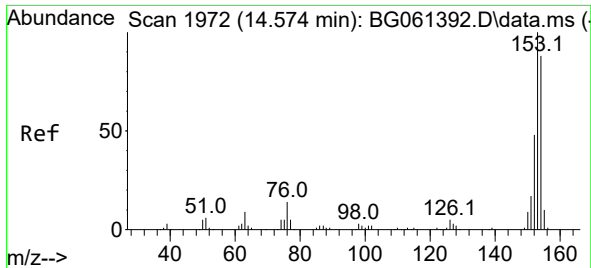
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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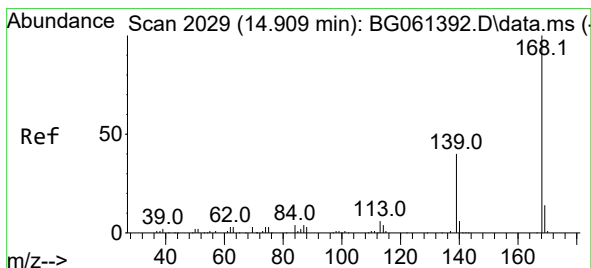
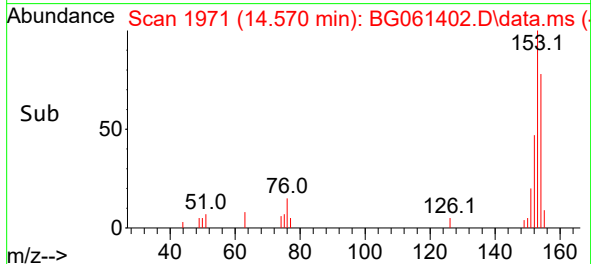
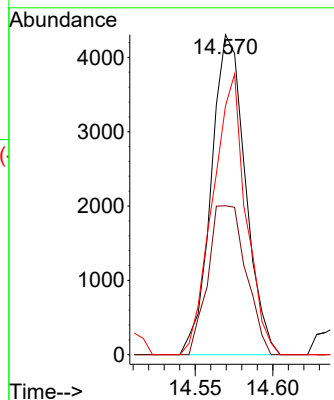
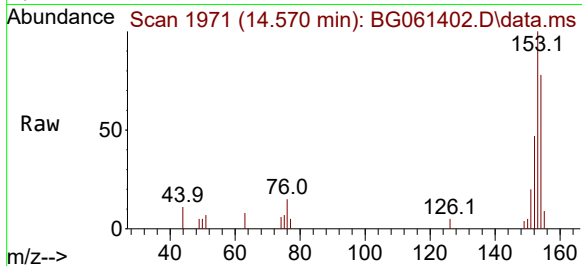




#52
Acenaphthene
Concen: 1.501 ng/ul
RT: 14.570 min Scan# 1972
Delta R.T. -0.004 min
Lab File: BG061402.D
Acq: 31 May 2024 20:56

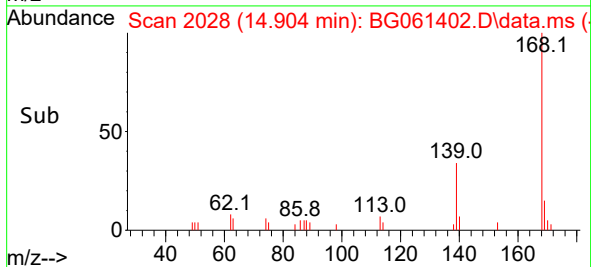
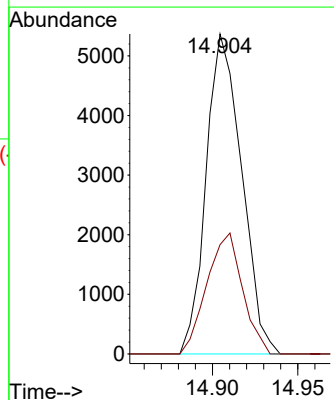
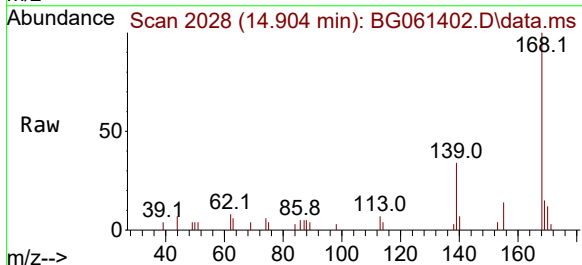
Instrument :
BNA_G
ClientSampleId :
BH6E0

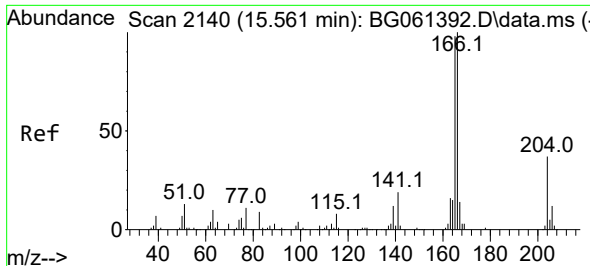
Tgt Ion:153 Resp: 6585
Ion Ratio Lower Upper
153 100
152 46.6 37.8 56.8
154 77.8 69.0 103.6



#56
Dibenzofuran
Concen: 1.239 ng/ul
RT: 14.904 min Scan# 2028
Delta R.T. -0.004 min
Lab File: BG061402.D
Acq: 31 May 2024 20:56

Tgt Ion:168 Resp: 7767
Ion Ratio Lower Upper
168 100
139 34.1 33.4 50.2

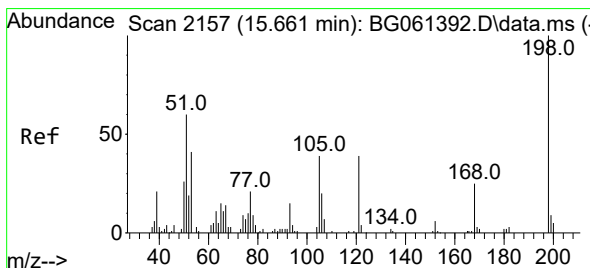
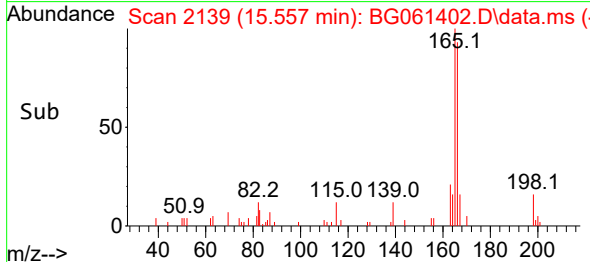
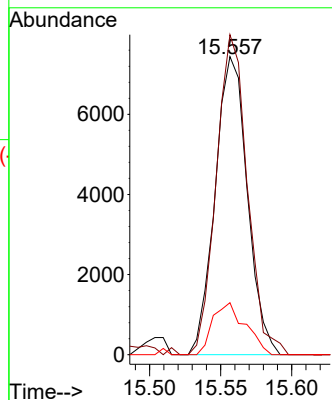
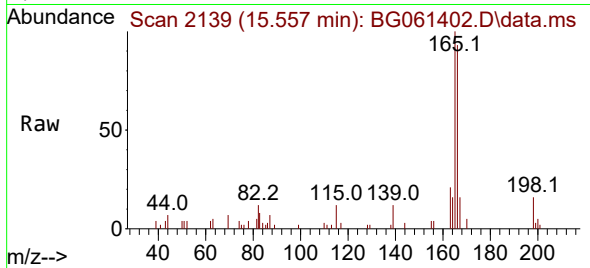




#61
Fluorene
Concen: 2.165 ng/ul
RT: 15.557 min Scan# 2139
Delta R.T. -0.004 min
Lab File: BG061402.D
Acq: 31 May 2024 20:56

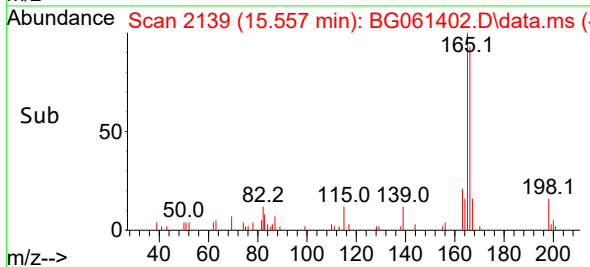
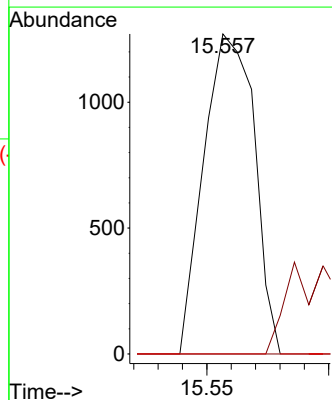
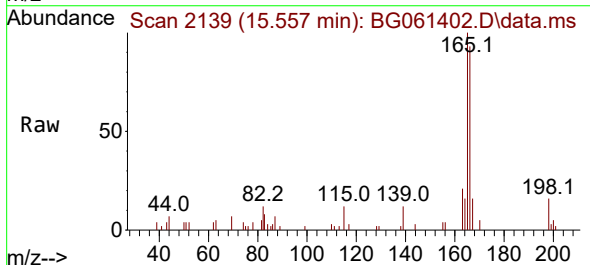
Instrument :
BNA_G
ClientSampleId :
BH6E0

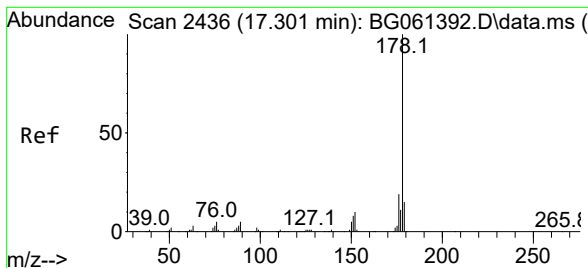
Tgt Ion:166 Resp: 11745
Ion Ratio Lower Upper
166 100
165 107.4 81.8 122.8
167 17.5 10.6 16.0#



#66
4,6-Dinitro-2-methylphenol
Concen: 1.642 ng/ul
RT: 15.557 min Scan# 2139
Delta R.T. -0.098 min
Lab File: BG061402.D
Acq: 31 May 2024 20:56

Tgt Ion:198 Resp: 1832
Ion Ratio Lower Upper
198 100
182 0.0 2.9 4.3#
77 0.0 22.3 33.5#





#72

Phenanthrene

Concen: 23.568 ng/ul

RT: 17.302 min Scan# 2436

Delta R.T. 0.002 min

Lab File: BG061402.D

Acq: 31 May 2024 20:56

Instrument :

BNA_G

ClientSampleId :

BH6E0

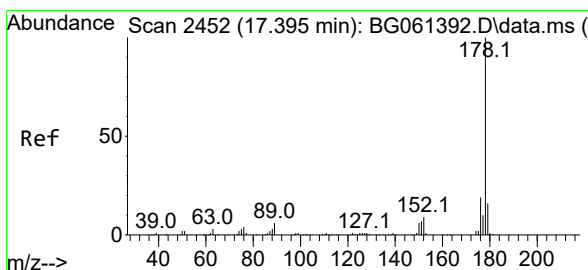
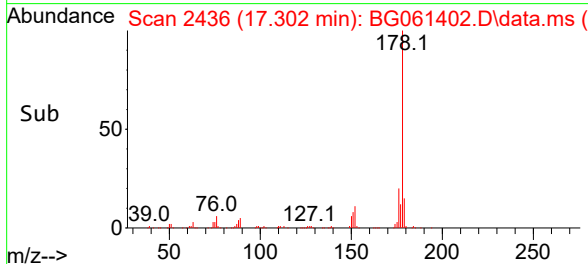
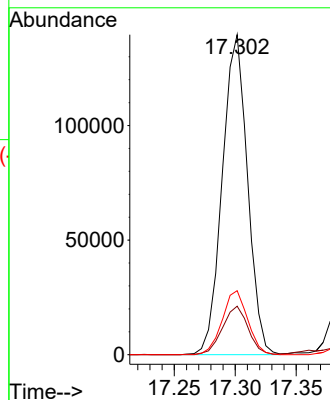
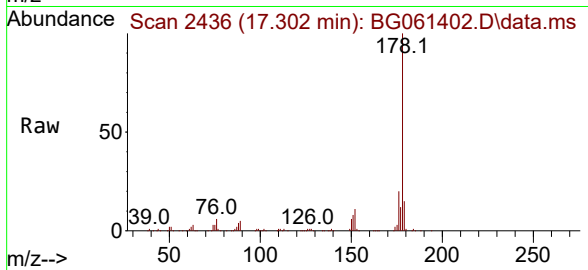
Tgt Ion:178 Resp: 201325

Ion Ratio Lower Upper

178 100

179 15.1 12.7 19.1

176 20.0 15.5 23.3



#74

Anthracene

Concen: 5.019 ng/ul

RT: 17.390 min Scan# 2451

Delta R.T. -0.004 min

Lab File: BG061402.D

Acq: 31 May 2024 20:56

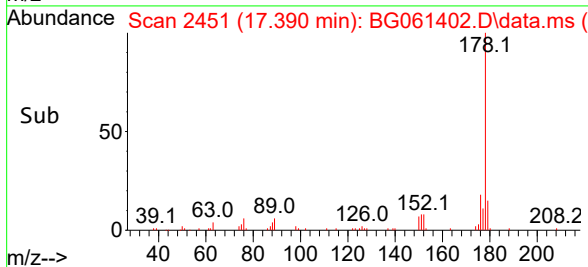
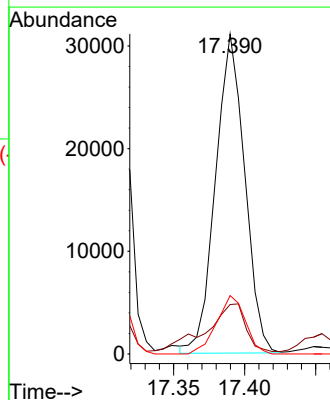
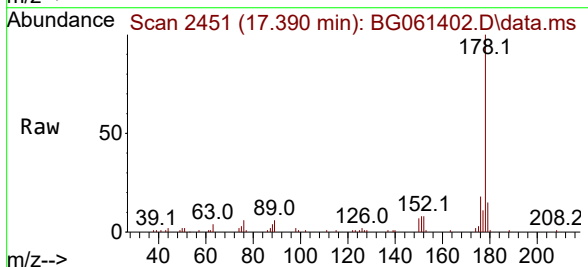
Tgt Ion:178 Resp: 44333

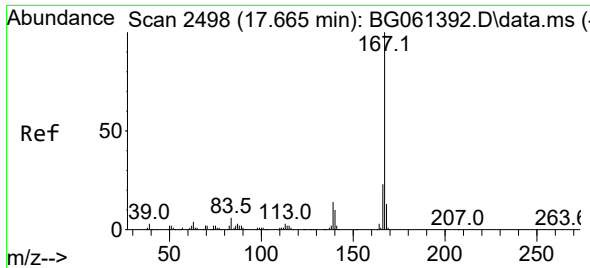
Ion Ratio Lower Upper

178 100

179 15.5 11.8 17.6

176 18.3 14.9 22.3

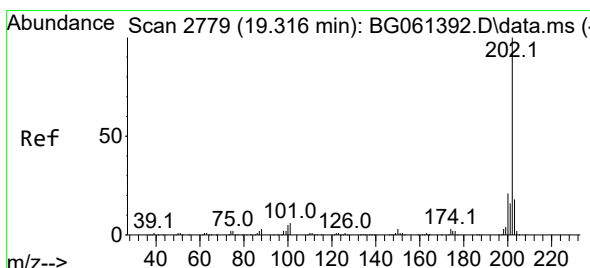
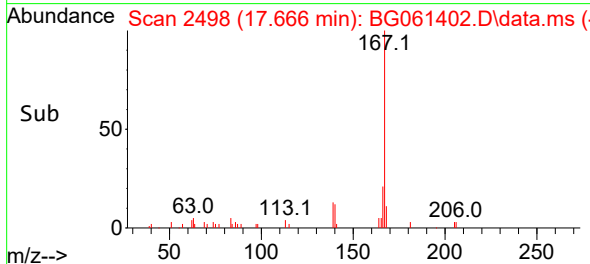
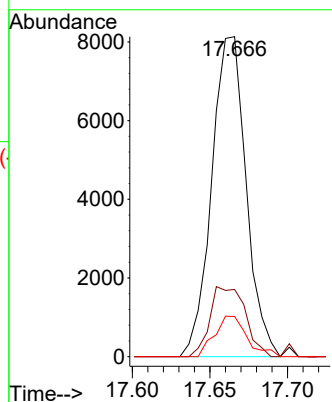
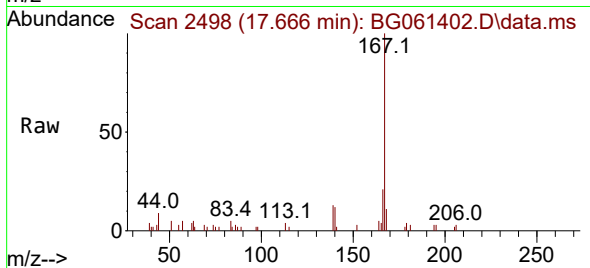




#77
 Carbazole
 Concen: 1.749 ng/ul
 RT: 17.666 min Scan# 2498
 Delta R.T. 0.002 min
 Lab File: BG061402.D
 Acq: 31 May 2024 20:56

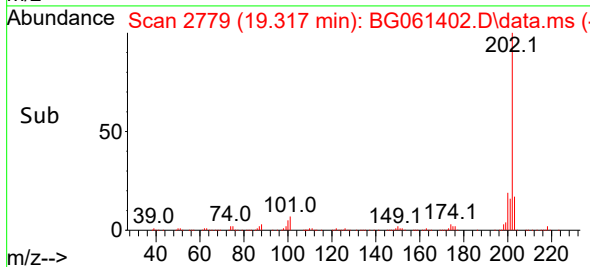
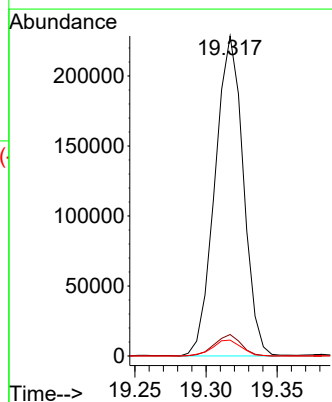
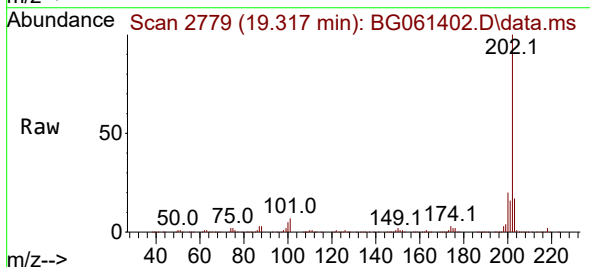
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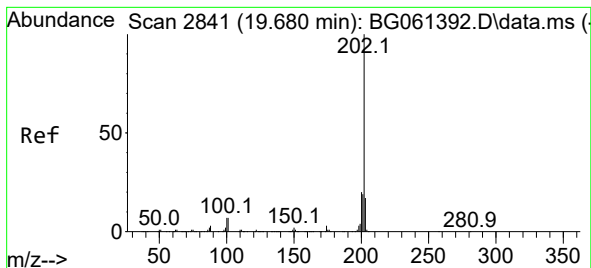
Tgt Ion:167	Resp:	12562
Ion Ratio	Lower	Upper
167	100	
166	21.0	18.6 28.0
139	12.5	10.6 15.8



#80
 Fluoranthene
 Concen: 27.632 ng/ul
 RT: 19.317 min Scan# 2779
 Delta R.T. 0.002 min
 Lab File: BG061402.D
 Acq: 31 May 2024 20:56

Tgt Ion:202	Resp:	317036
Ion Ratio	Lower	Upper
202	100	
101	6.7	4.8 7.2
100	4.9	4.1 6.1





#82

Pyrene

Concen: 23.812 ng/ul

RT: 19.681 min Scan# 21

Delta R.T. 0.002 min

Lab File: BG061402.D

Acq: 31 May 2024 20:56

Instrument :

BNA_G

ClientSampleId :

BH6E0

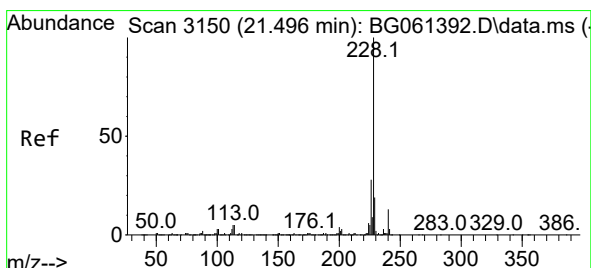
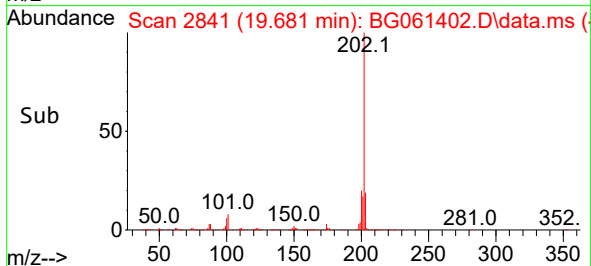
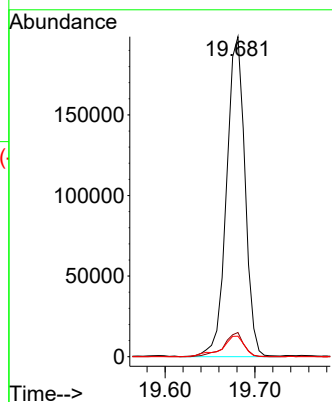
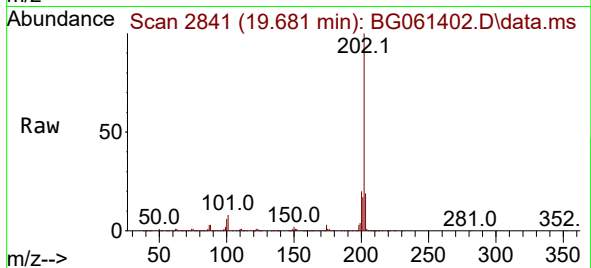
Tgt Ion:202 Resp: 283594

Ion Ratio Lower Upper

202 100

101 7.6 5.7 8.5

100 6.4 5.1 7.7



#85

Benzo(a)anthracene

Concen: 10.939 ng/ul

RT: 21.491 min Scan# 3149

Delta R.T. -0.004 min

Lab File: BG061402.D

Acq: 31 May 2024 20:56

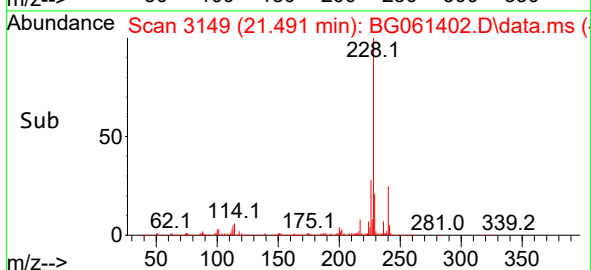
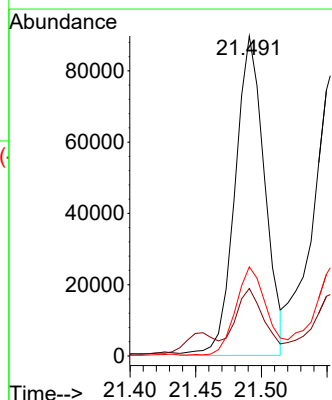
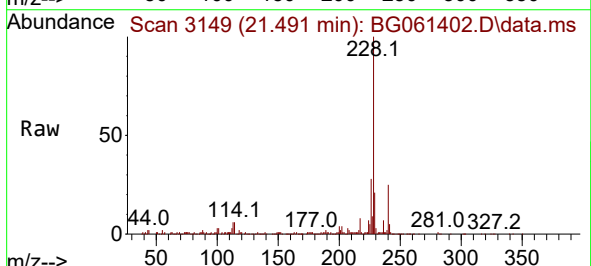
Tgt Ion:228 Resp: 140600

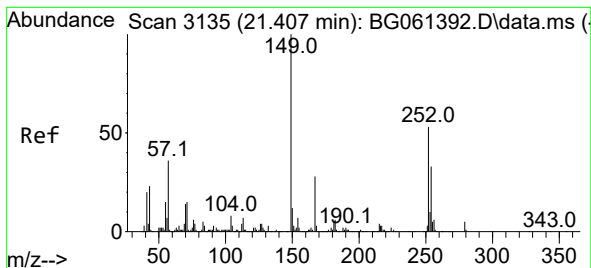
Ion Ratio Lower Upper

228 100

229 21.1 15.2 22.8

226 27.9 21.4 32.2

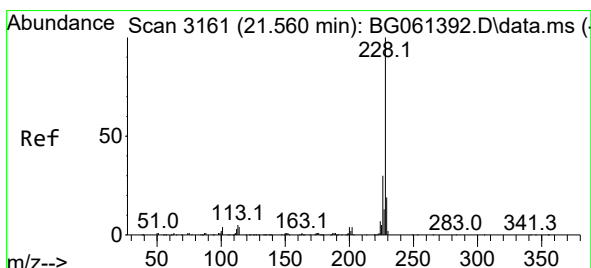
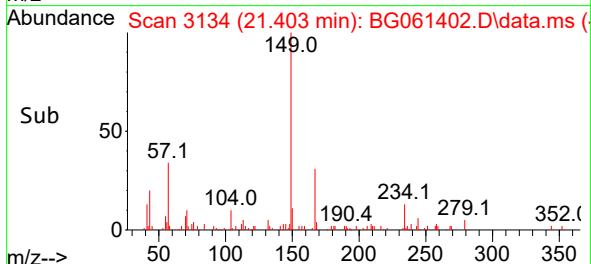
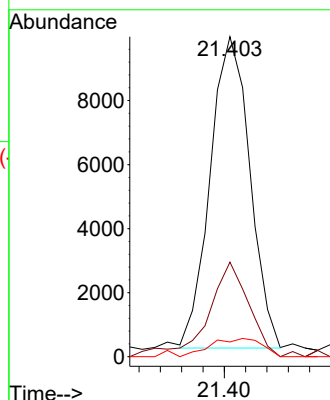
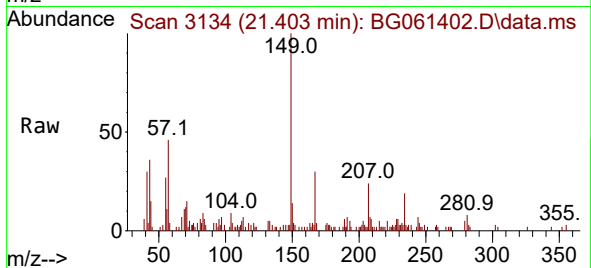




#86
Bis(2-ethylhexyl)phthalate
Concen: 2.079 ng/ul
RT: 21.403 min Scan# 3135
Delta R.T. -0.004 min
Lab File: BG061402.D
Acq: 31 May 2024 20:56

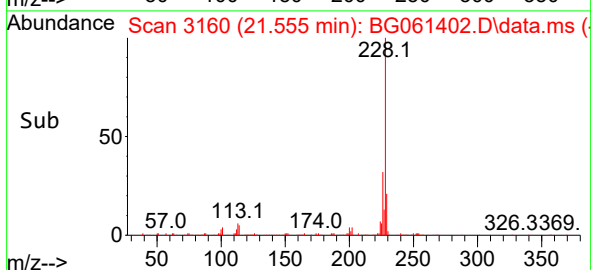
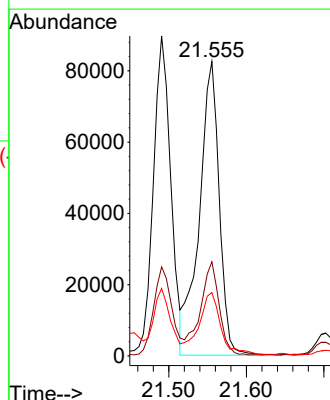
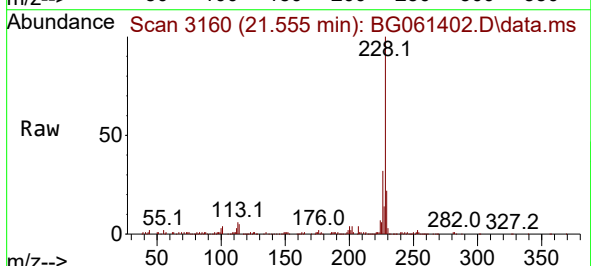
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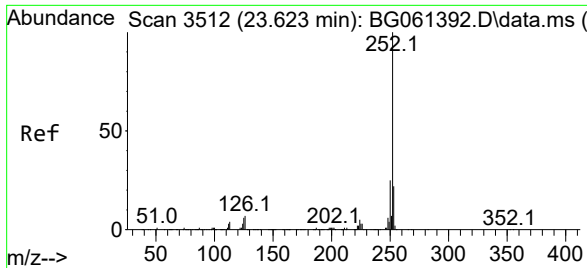
Tgt Ion:149 Resp: 12589
Ion Ratio Lower Upper
149 100
167 29.6 21.1 31.7
279 4.6 3.3 4.9



#87
Chrysene
Concen: 12.500 ng/ul
RT: 21.555 min Scan# 3160
Delta R.T. 0.002 min
Lab File: BG061402.D
Acq: 31 May 2024 20:56

Tgt Ion:228 Resp: 147932
Ion Ratio Lower Upper
228 100
226 32.0 23.4 35.0
229 21.5 15.4 23.2

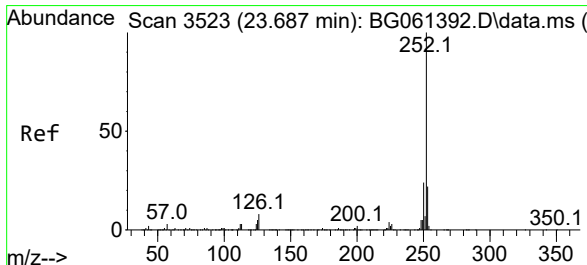
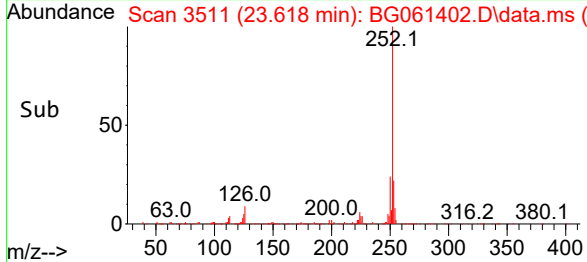
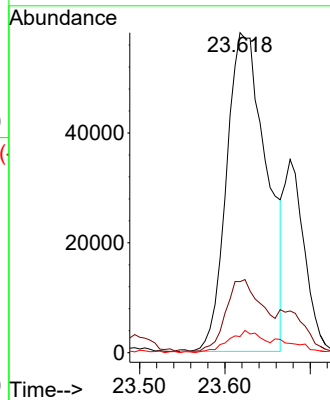
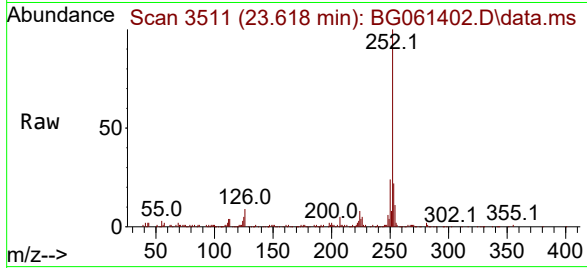




#90
Benzo(b)fluoranthene
Concen: 14.877 ng/ul
RT: 23.618 min Scan# 3511
Delta R.T. 0.002 min
Lab File: BG061402.D
Acq: 31 May 2024 20:56

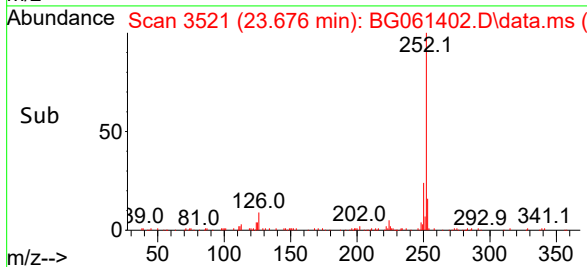
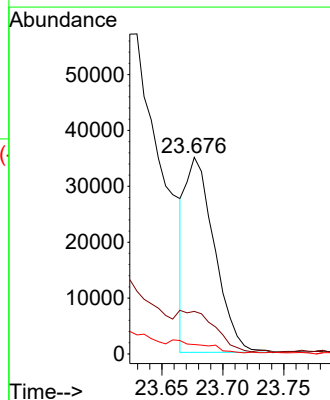
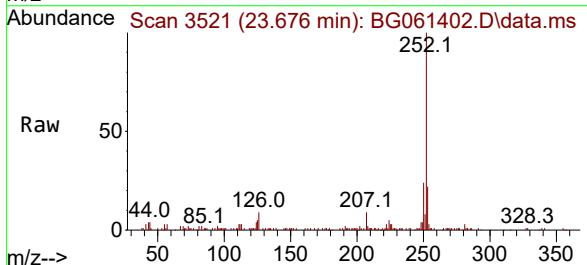
Instrument :
BNA_G
ClientSampleId :
BH6E0

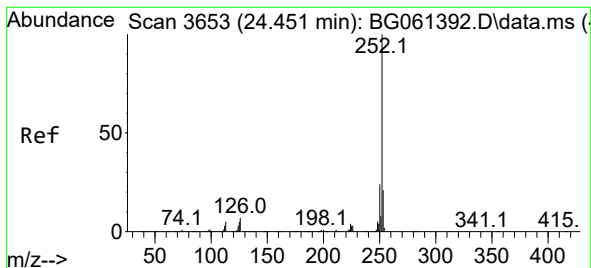
Tgt Ion:252 Resp: 188720
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 5.1 4.6 6.8



#91
Benzo(k)fluoranthene
Concen: 4.444 ng/ul
RT: 23.676 min Scan# 3521
Delta R.T. -0.004 min
Lab File: BG061402.D
Acq: 31 May 2024 20:56

Tgt Ion:252 Resp: 57229
Ion Ratio Lower Upper
252 100
253 21.6 16.0 24.0
125 4.8 4.3 6.5





#93

Benzo(a)pyrene

Concen: 9.779 ng/ul

RT: 24.446 min Scan# 3

Delta R.T. -0.004 min

Lab File: BG061402.D

Acq: 31 May 2024 20:56

Instrument :

BNA_G

ClientSampleId :

BH6E0

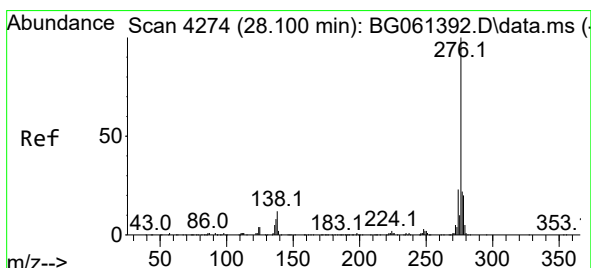
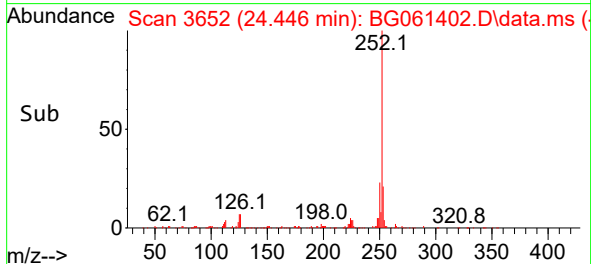
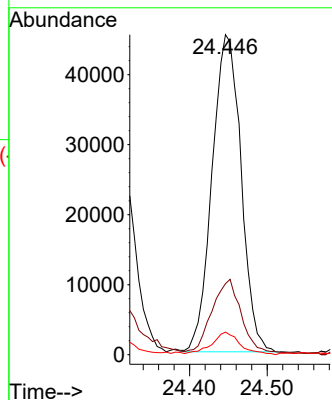
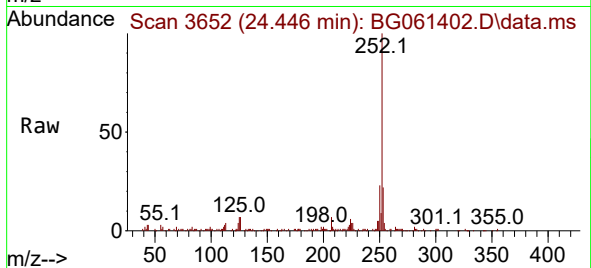
Tgt Ion:252 Resp: 117792

Ion Ratio Lower Upper

252 100

253 22.2 16.4 24.6

125 7.1 4.3 6.5#



#94

Indeno(1,2,3-cd)pyrene

Concen: 5.912 ng/ul

RT: 28.089 min Scan# 4272

Delta R.T. -0.004 min

Lab File: BG061402.D

Acq: 31 May 2024 20:56

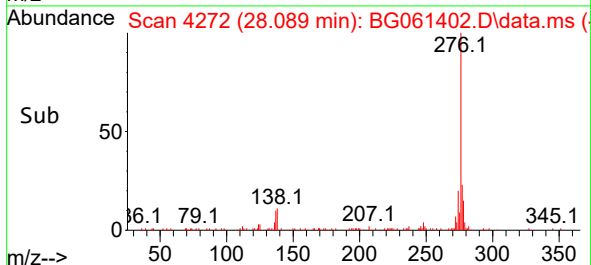
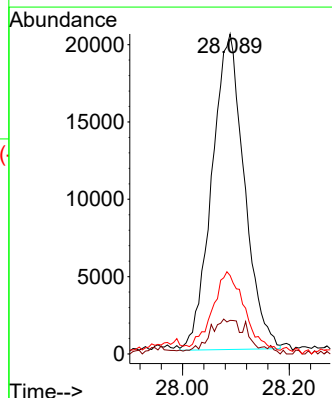
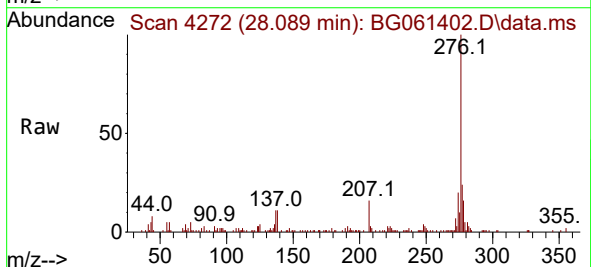
Tgt Ion:276 Resp: 86124

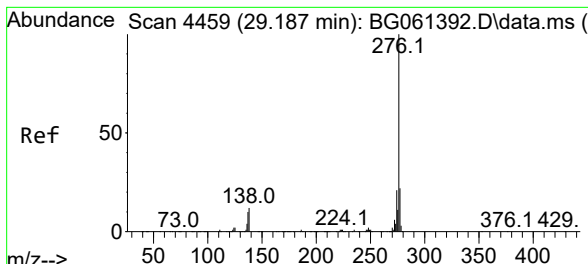
Ion Ratio Lower Upper

276 100

138 10.5 8.6 13.0

277 24.5 19.7 29.5





#96
 Benzo(g,h,i)perylene
 Concen: 6.091 ng/ul
 RT: 29.176 min Scan# 44
 Delta R.T. 0.002 min
 Lab File: BG061402.D
 Acq: 31 May 2024 20:56

Instrument :
 BNA_G
 ClientSampleId :
 BH6E0

Tgt Ion:276 Resp: 70590

Ion	Ratio	Lower	Upper
276	100		
138	13.5	8.7	13.1#
277	24.9	18.2	27.2

