

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051724\
 Data File : BG061241.D
 Acq On : 17 May 2024 16:32
 Operator : MA/JU
 Sample : P2482-02 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SW-01-229

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 05/20/2024
 Supervised By :mohammad ahmed 05/22/2024

Quant Time: May 17 17:11:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							05/20/2024 Supervised By :mohammad ahmed
1) 1,4-Dichlorobenzene-d4	7.930	152	30805	20.000	ng	-0.03	
21) Naphthalene-d8	10.727	136	113586	20.000	ng	#-0.03	
39) Acenaphthene-d10	14.558	164	83023	20.000	ng	-0.03	
64) Phenanthrene-d10	17.307	188	186096	20.000	ng	#-0.03	
76) Chrysene-d12	21.567	240	183278	20.000	ng	#-0.03	
86) Perylene-d12	24.693	264	227699	20.000	ng	-0.04	05/22/2024
System Monitoring Compounds							
5) 2-Fluorophenol	5.527	112	33029	21.806	ng	-0.02	
7) Phenol-d6	7.113	99	45168	20.158	ng	-0.02	
23) Nitrobenzene-d5	9.082	82	33603	14.665	ng	-0.04	
42) 2,4,6-Tribromophenol	16.050	330	26617	16.039	ng	-0.03	
45) 2-Fluorobiphenyl	13.177	172	79020	14.074	ng	-0.03	
79) Terphenyl-d14	19.922	244	138577	12.575	ng	-0.03	
Target Compounds							Qvalue
31) Naphthalene	10.774	128	24346	4.124	ng	#	95
52) Acenaphthene	14.622	154	31161	7.630	ng		93
55) Dibenzofuran	14.957	168	16967	2.460	ng		98
58) Fluorene	15.609	166	23573	3.949	ng		89
71) Phenanthrene	17.348	178	263405	30.956	ng		99
72) Anthracene	17.442	178	69827	8.224	ng		98
73) Carbazole	17.713	167	30152	4.039	ng		97
75) Fluoranthene	19.364	202	386459	33.152	ng		99
78) Pyrene	19.728	202	326594	28.029	ng		99
81) Benzo(a)anthracene	21.549	228	199542	16.638	ng		98
83) Chrysene	21.614	228	175521m	15.621	ng		
87) Indeno(1,2,3-cd)pyrene	28.242	276	93423	6.191	ng		95
88) Benzo(b)fluoranthene	23.706	252	214236	16.837	ng		99
89) Benzo(k)fluoranthene	23.764	252	79170m	6.468	ng		
90) Benzo(a)pyrene	24.546	252	158325	14.283	ng		96
91) Dibenzo(a,h)anthracene	28.277	278	25100	2.009	ng	#	79
92) Benzo(g,h,i)perylene	29.346	276	86965m	7.003	ng		

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

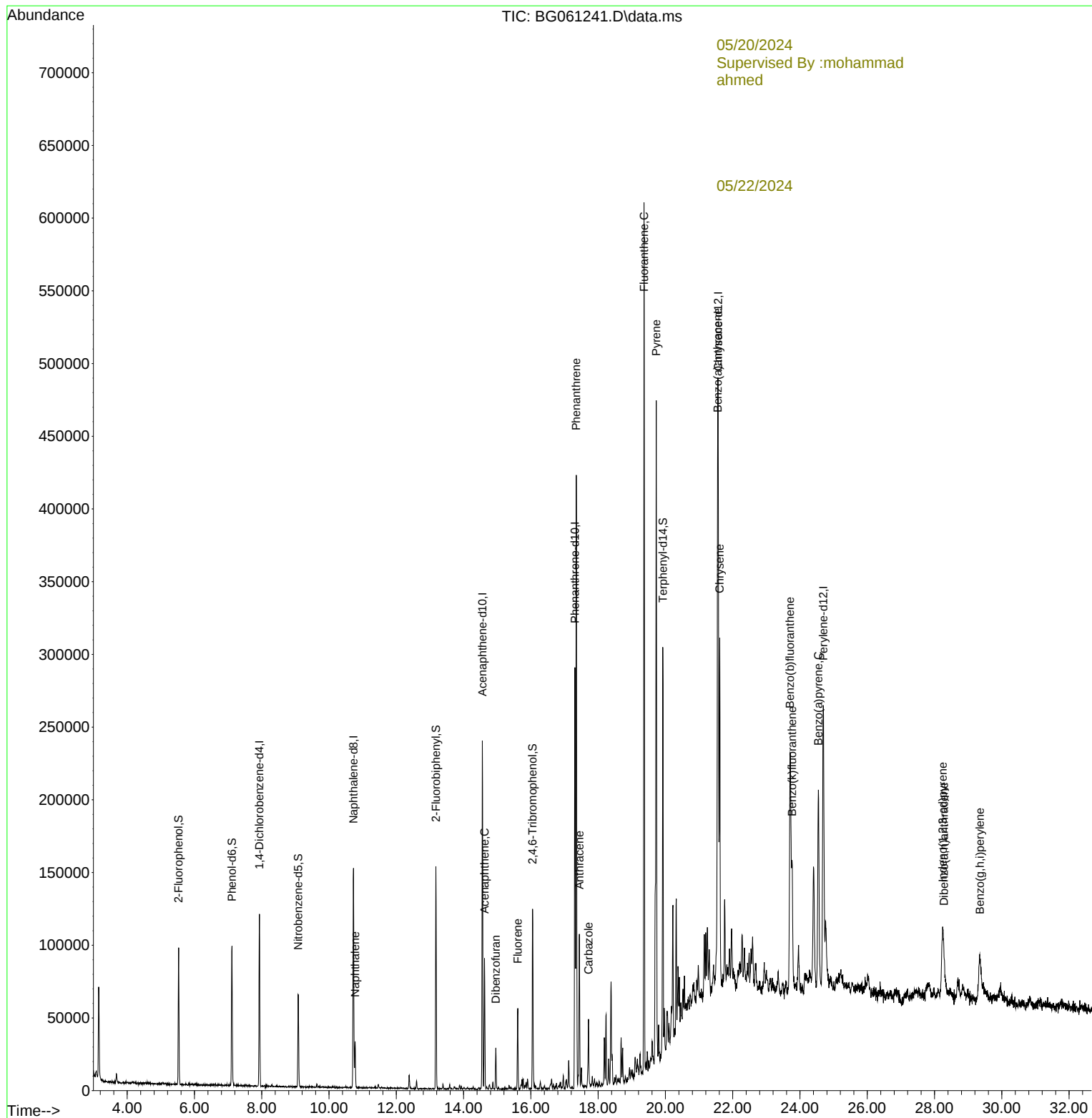
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051724\
Data File : BG061241.D
Acq On : 17 May 2024 16:32
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ALS Vial : 11 Sample Multiplier: 1

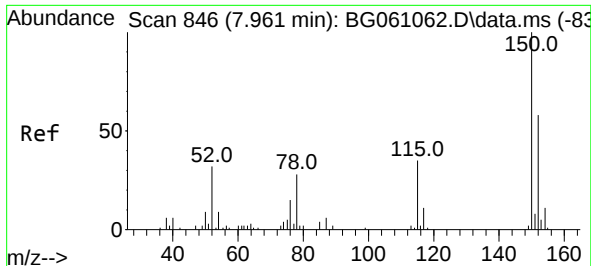
Instrument :
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ClientSampleId :
SW-01-229

Quant Time: May 17 17:11:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
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QLast Update : Wed May 01 05:11:25 2024
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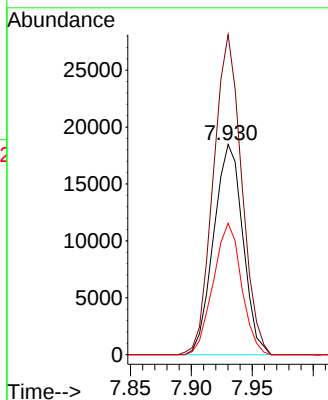
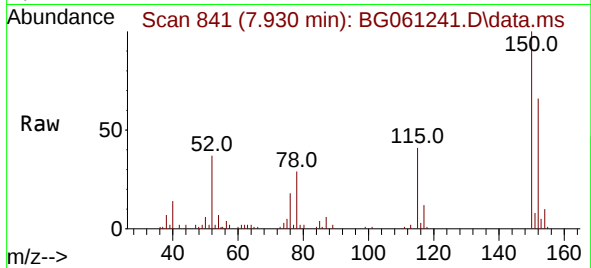
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.930 min Scan# 841
Delta R.T. -0.031 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32

Instrument :
BNA_G
ClientSampleId :
SW-01-229

Tgt Ion:152 Resp: 3080
Ion Ratio Lower Upper
152 100
150 152.2 138.3 207.5
115 62.5 48.0 72.0

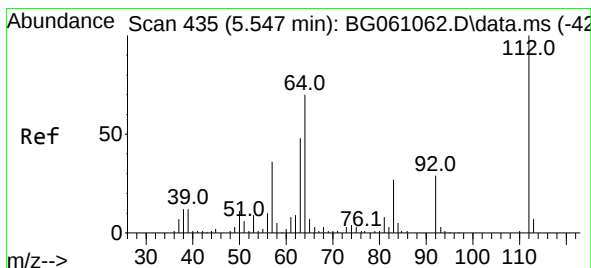
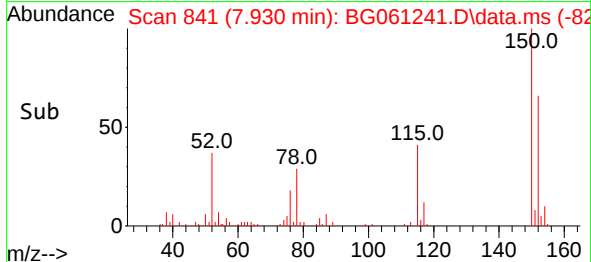
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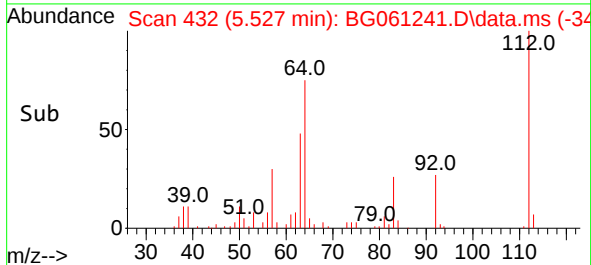
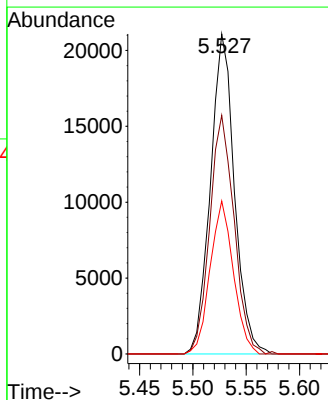
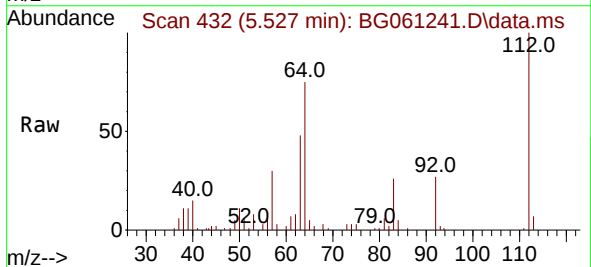
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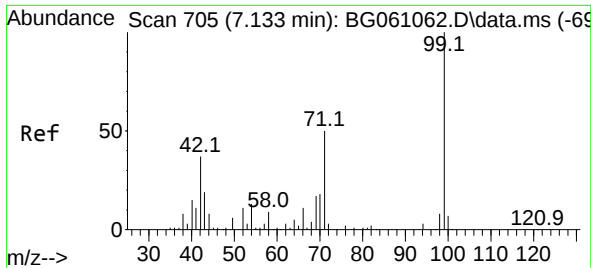
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#5
2-Fluorophenol
Concen: 21.806 ng
RT: 5.527 min Scan# 432
Delta R.T. -0.020 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32

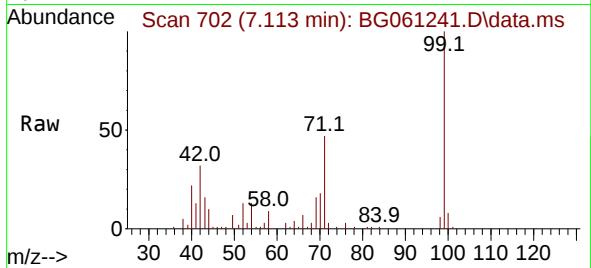
Tgt Ion:112 Resp: 33029
Ion Ratio Lower Upper
112 100
64 74.5 55.7 83.5
63 47.8 38.1 57.1





#7
Phenol-d6
Concen: 20.158 ng
RT: 7.113 min Scan# 705
Delta R.T. -0.020 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32

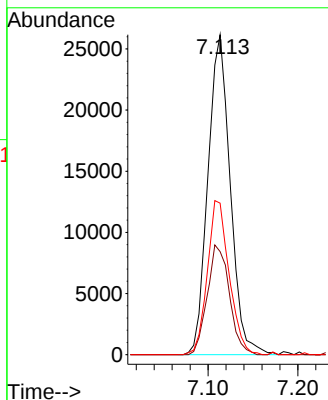
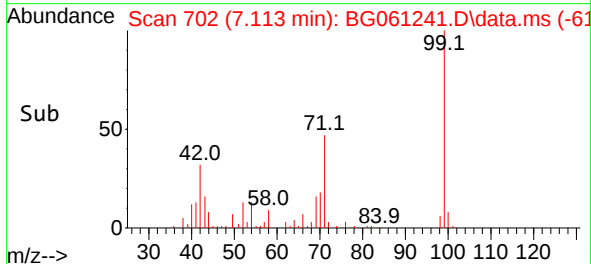
Instrument :
BNA_G
ClientSampleId :
SW-01-229



Tgt Ion: 99 Resp: 45168
Ion Ratio Lower Upper
99 100
42 32.2 29.2 43.8
71 47.3 39.7 59.5

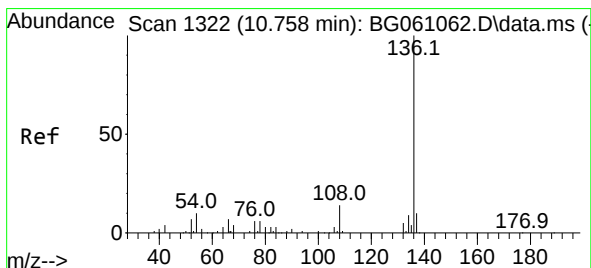
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Supervised By :mohammad ahmed 05/22/2024

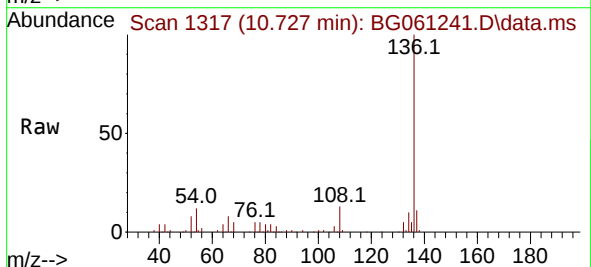


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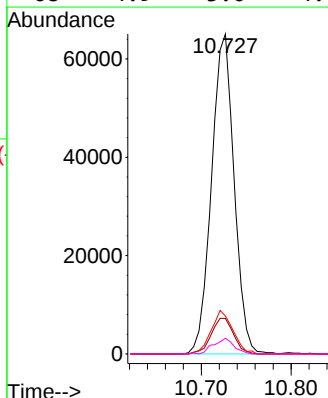
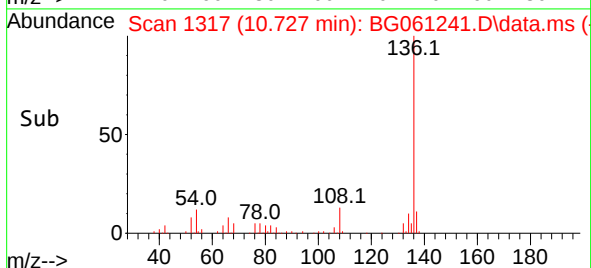
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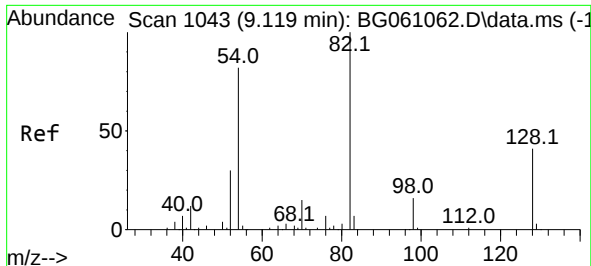


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.727 min Scan# 1317
Delta R.T. -0.031 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32



Tgt Ion:136 Resp: 113586
Ion Ratio Lower Upper
136 100
137 11.1 7.8 11.6
54 12.6 8.1 12.1#
68 4.9 3.0 4.4#





#23
Nitrobenzene-d5
Concen: 14.665 ng
RT: 9.082 min Scan# 1037
Delta R.T. -0.037 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32

Instrument :

BNA_G

ClientSampleId :

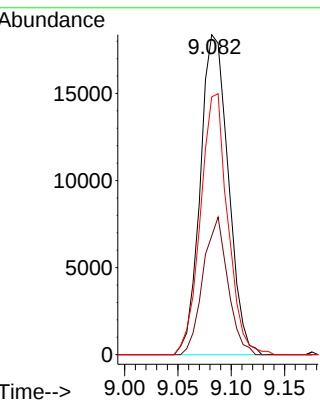
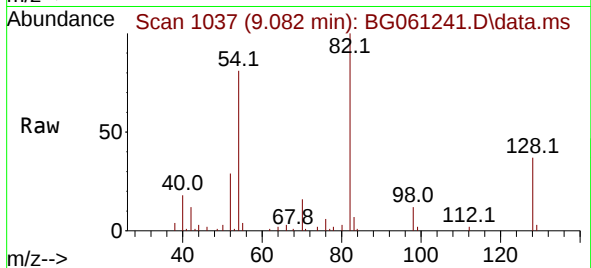
SW-01-229

Tgt Ion: 82 Resp: 3360
Ion Ratio Lower Upper
82 100
128 37.1 32.7 49.1
54 80.6 65.6 98.4

Manual Integrations

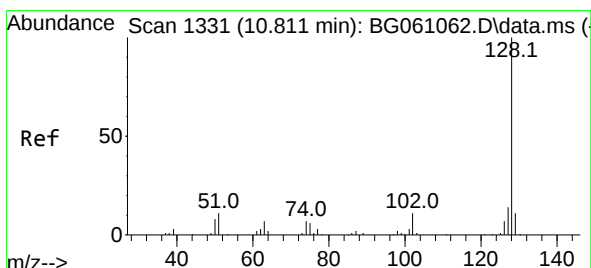
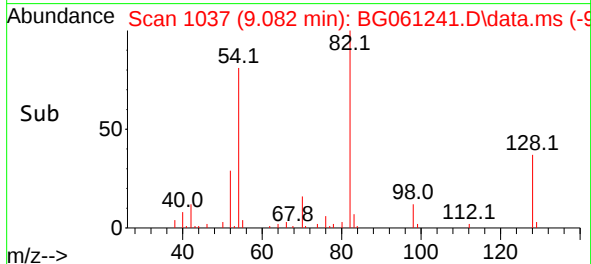
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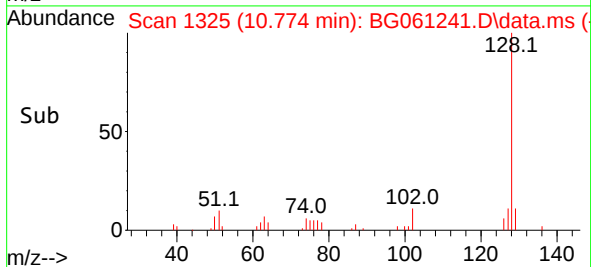
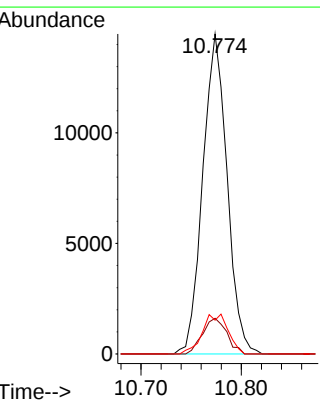
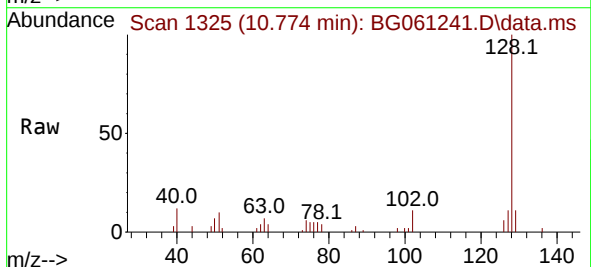
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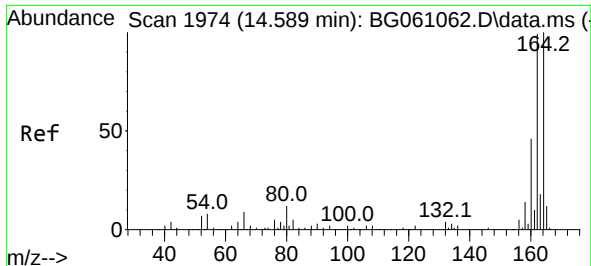
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#31
Naphthalene
Concen: 4.124 ng
RT: 10.774 min Scan# 1325
Delta R.T. -0.037 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32

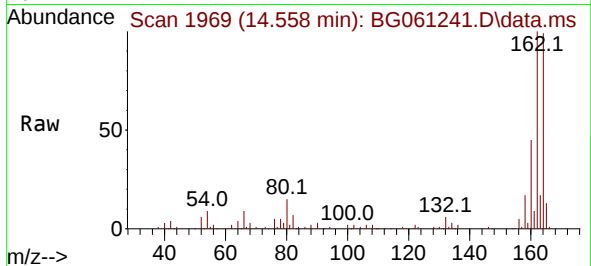
Tgt Ion:128 Resp: 24346
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 10.6 11.1 16.7#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.558 min Scan# 1969
Delta R.T. -0.031 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32

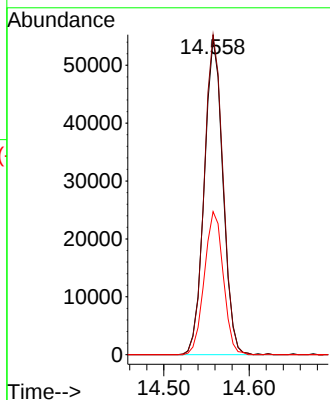
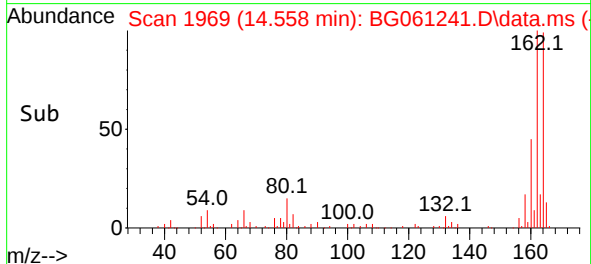
Instrument :
BNA_G
ClientSampleId :
SW-01-229



Tgt Ion:164 Resp: 8302
Ion Ratio Lower Upper
164 100
162 101.3 79.4 119.2
160 45.3 37.0 55.6

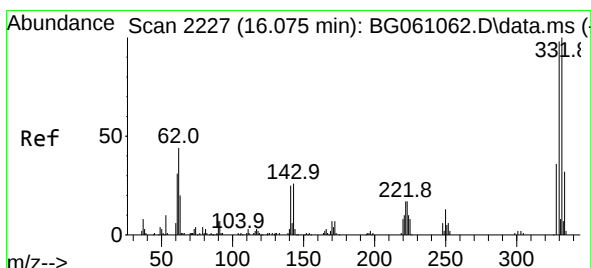
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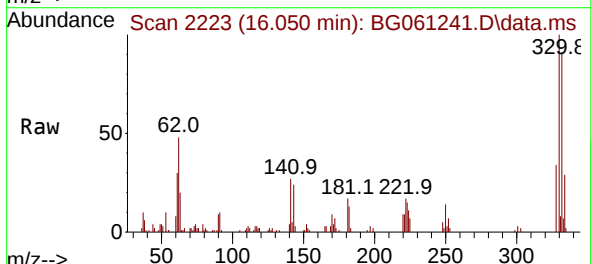


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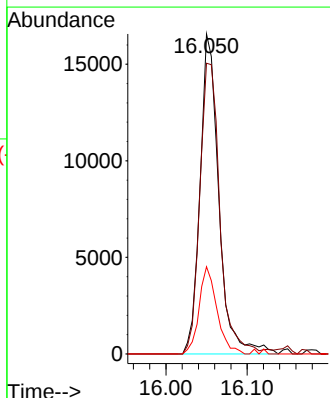
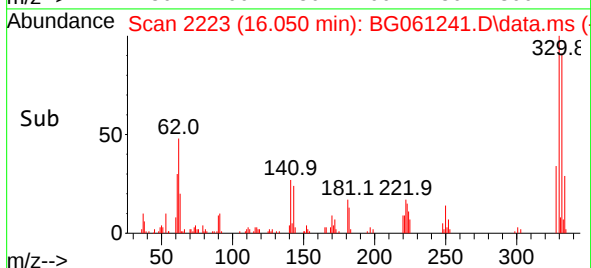
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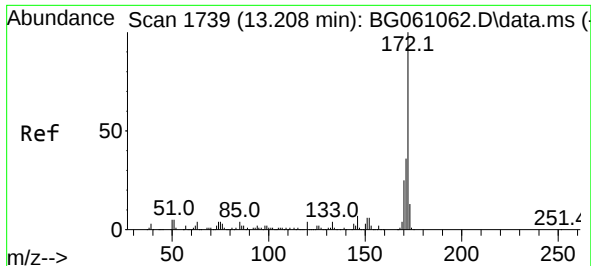


#42
2,4,6-Tribromophenol
Concen: 16.039 ng
RT: 16.050 min Scan# 2223
Delta R.T. -0.025 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32



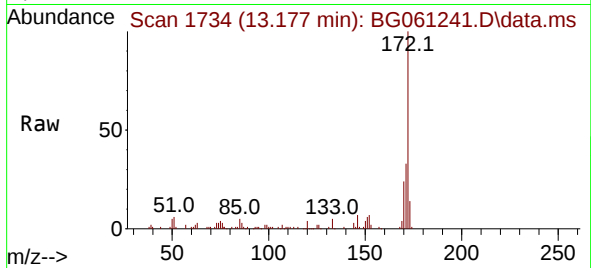
Tgt Ion:330 Resp: 26617
Ion Ratio Lower Upper
330 100
332 96.6 78.6 117.8
141 25.9 20.5 30.7





#45
2-Fluorobiphenyl
Concen: 14.074 ng
RT: 13.177 min Scan# 1734
Delta R.T. -0.031 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32

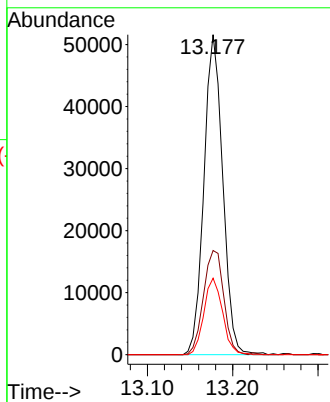
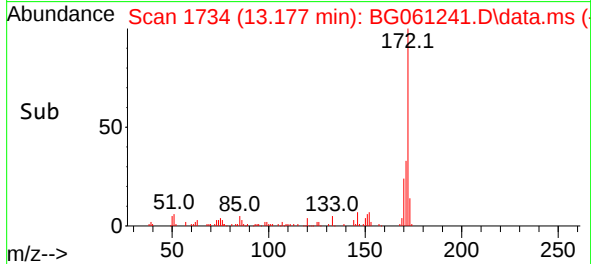
Instrument :
BNA_G
ClientSampleId :
SW-01-229



Tgt Ion:172 Resp: 79020
Ion Ratio Lower Upper
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171 32.5 29.0 43.6
170 23.9 20.2 30.4

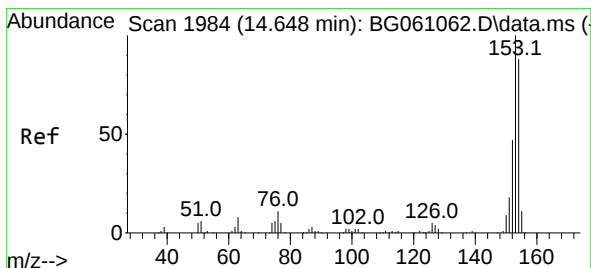
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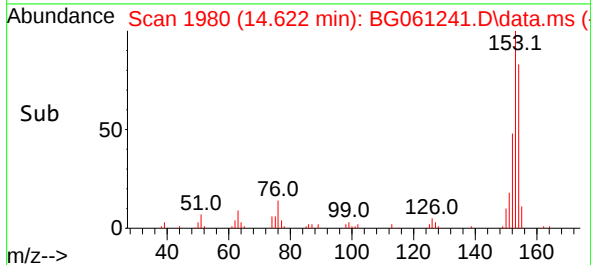
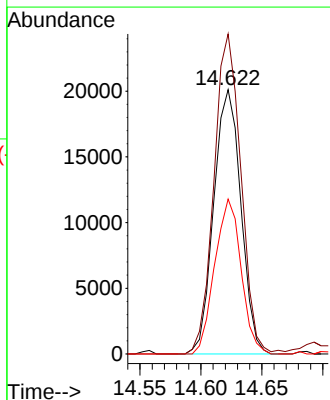
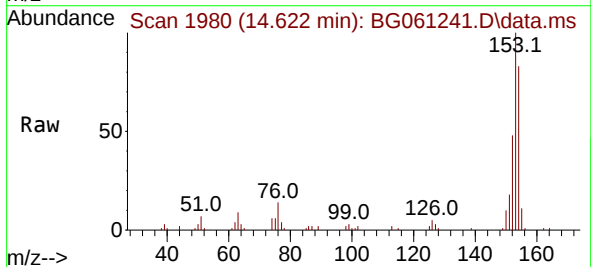
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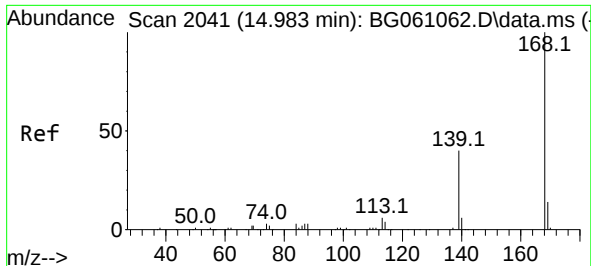
05/22/2024



#52
Acenaphthene
Concen: 7.630 ng
RT: 14.622 min Scan# 1980
Delta R.T. -0.025 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32

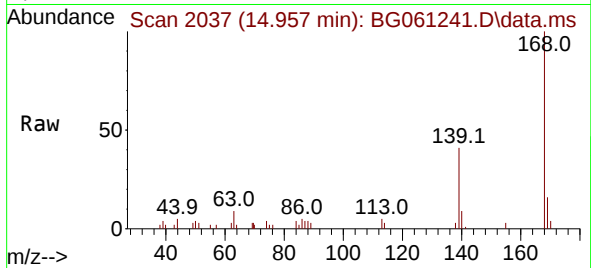
Tgt Ion:154 Resp: 31161
Ion Ratio Lower Upper
154 100
153 121.1 91.0 136.4
152 58.6 43.1 64.7





#55
Dibenzenofuran
Concen: 2.460 ng
RT: 14.957 min Scan# 2041
Delta R.T. -0.025 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32

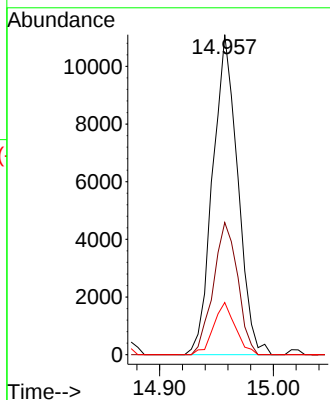
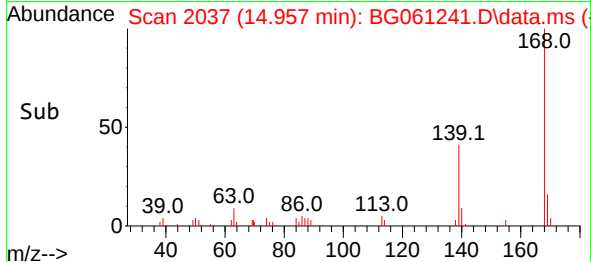
Instrument :
BNA_G
ClientSampleId :
SW-01-229



Tgt Ion:168 Resp: 1696
Ion Ratio Lower Upper
168 100
139 41.3 32.2 48.4
169 16.3 11.4 17.2

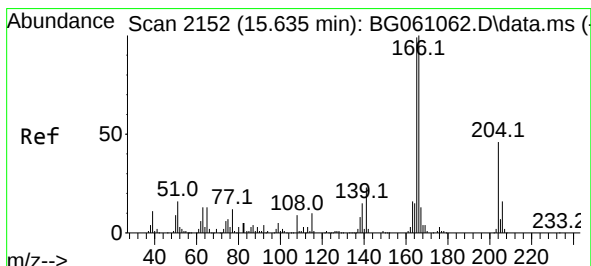
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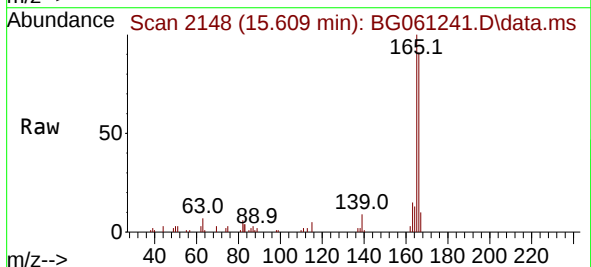


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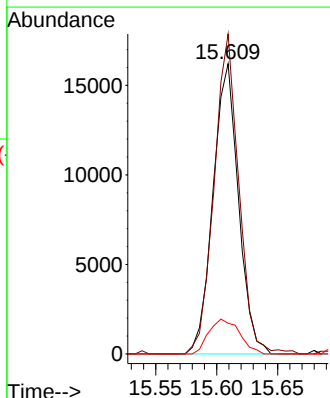
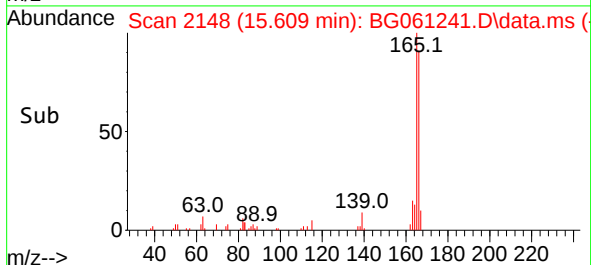
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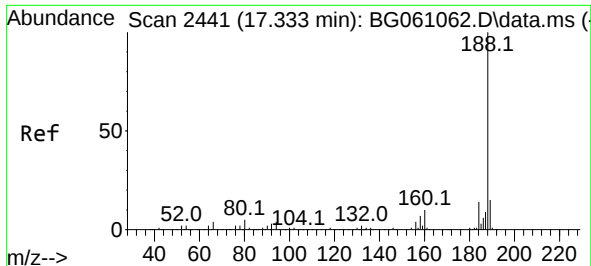


#58
Fluorene
Concen: 3.949 ng
RT: 15.609 min Scan# 2148
Delta R.T. -0.025 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32



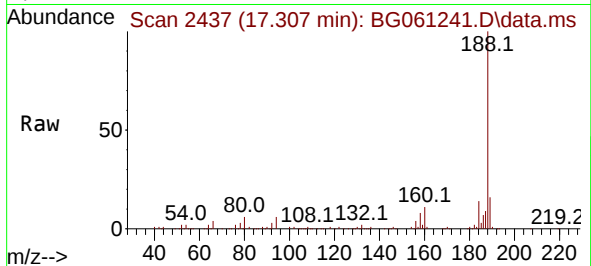
Tgt Ion:166 Resp: 23573
Ion Ratio Lower Upper
166 100
165 110.3 78.9 118.3
167 10.6 10.6 15.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.307 min Scan# 2441
Delta R.T. -0.025 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32

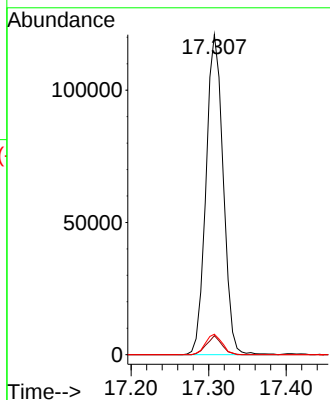
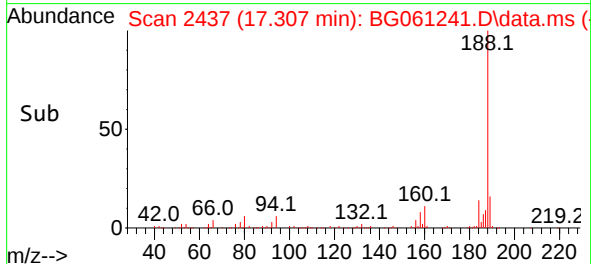
Instrument :
BNA_G
ClientSampleId :
SW-01-229



Tgt Ion:188 Resp: 186090
Ion Ratio Lower Upper
188 100
94 5.9 3.6 5.4
80 6.4 4.2 6.2

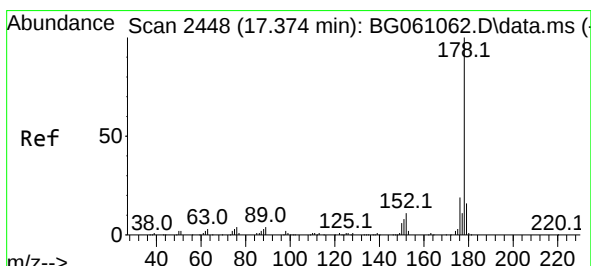
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Supervised By :mohammad ahmed 05/22/2024

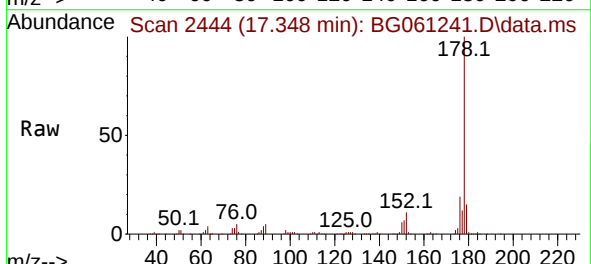


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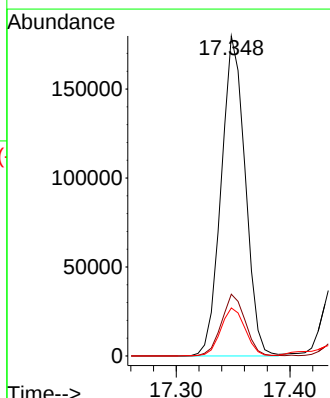
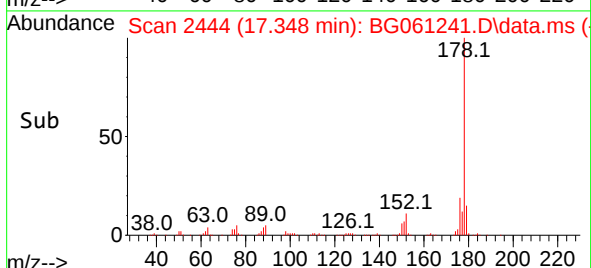
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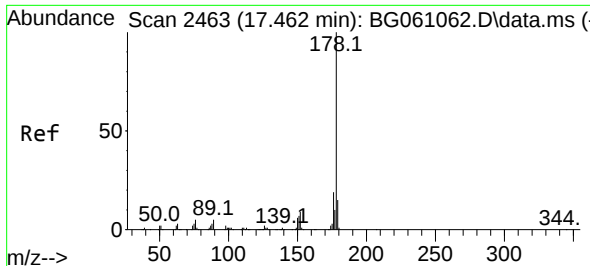


#71
Phenanthrene
Concen: 30.956 ng
RT: 17.348 min Scan# 2444
Delta R.T. -0.025 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32



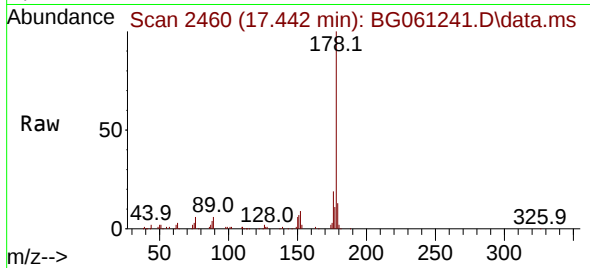
Tgt Ion:178 Resp: 263405
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.0 12.6 19.0





#72
 Anthracene
 Concen: 8.224 ng
 RT: 17.442 min Scan# 2463
 Delta R.T. -0.020 min
 Lab File: BG061241.D
 Acq: 17 May 2024 16:32

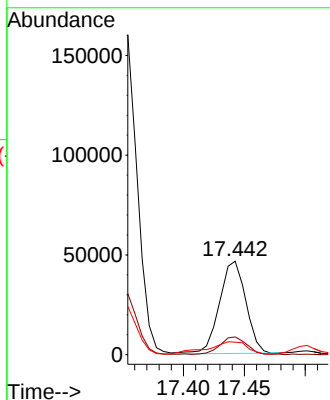
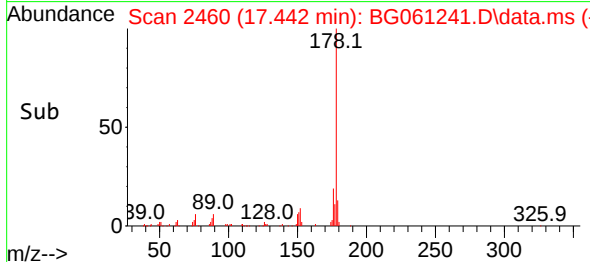
Instrument :
 BNA_G
 ClientSampleId :
 SW-01-229



Tgt Ion:178 Resp: 6982
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.0 22.6
 179 13.4 12.0 18.0

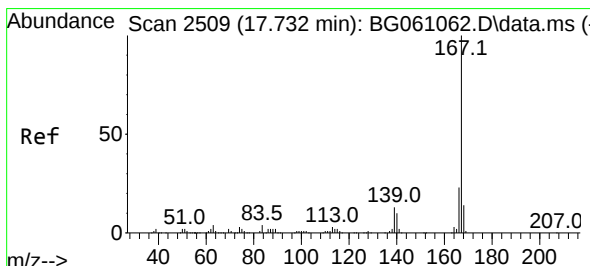
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 Supervised By :mohammad ahmed 05/22/2024

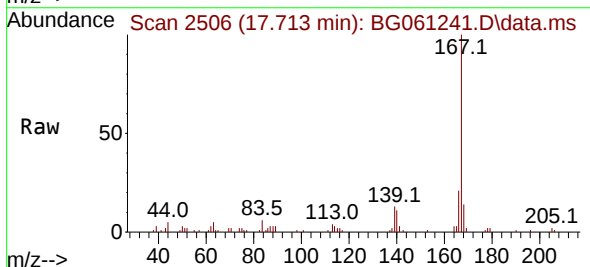


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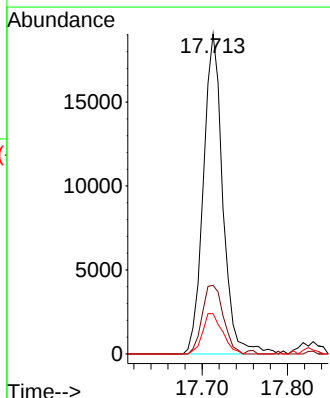
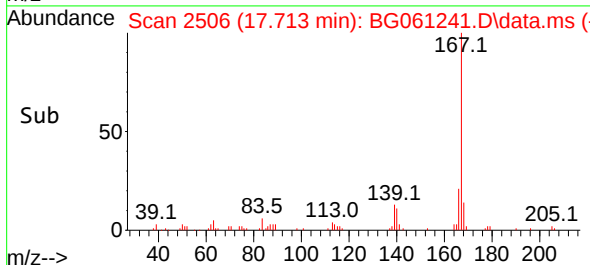
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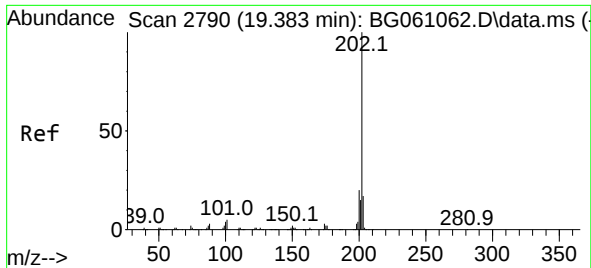


#73
 Carbazole
 Concen: 4.039 ng
 RT: 17.713 min Scan# 2506
 Delta R.T. -0.020 min
 Lab File: BG061241.D
 Acq: 17 May 2024 16:32



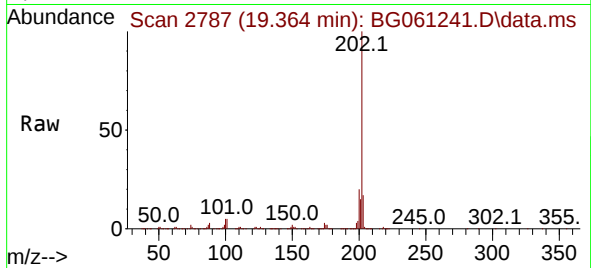
Tgt Ion:167 Resp: 30152
 Ion Ratio Lower Upper
 167 100
 166 21.5 18.7 28.1
 139 12.6 10.6 15.8





#75
Fluoranthene
Concen: 33.152 ng
RT: 19.364 min Scan# 21
Delta R.T. -0.020 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32

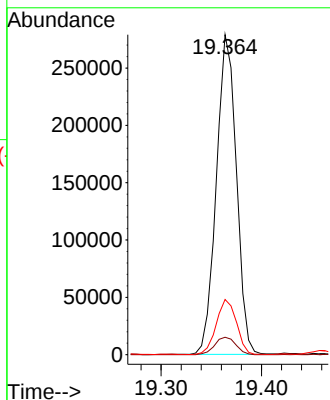
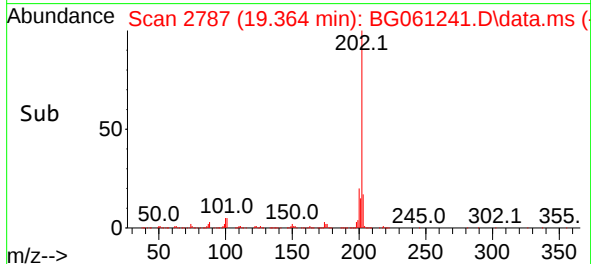
Instrument :
BNA_G
ClientSampleId :
SW-01-229



Tgt Ion:202 Resp: 386459
Ion Ratio Lower Upper
202 100
101 5.4 0.0 24.7
203 17.3 0.0 37.1

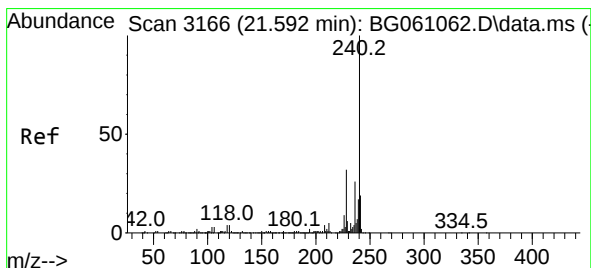
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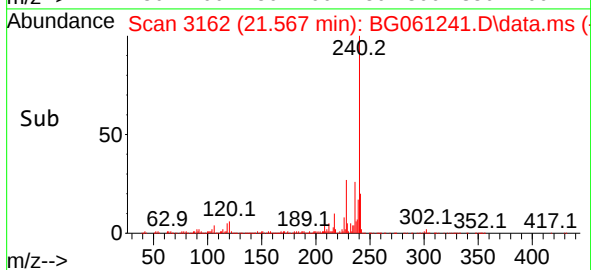
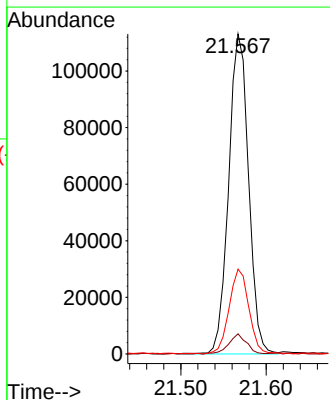
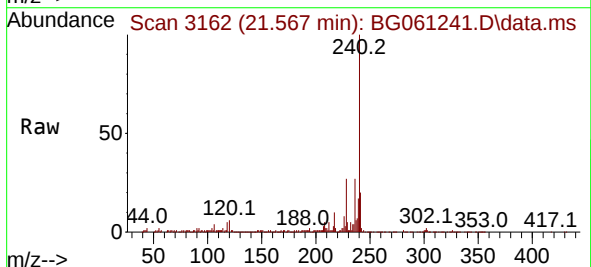
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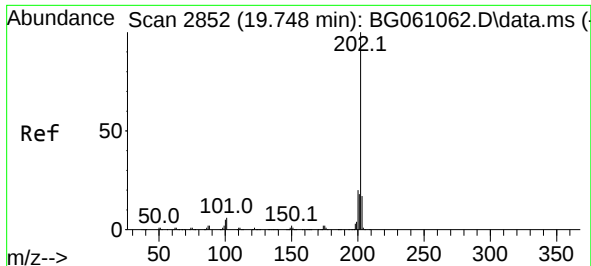
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.567 min Scan# 3162
Delta R.T. -0.025 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32

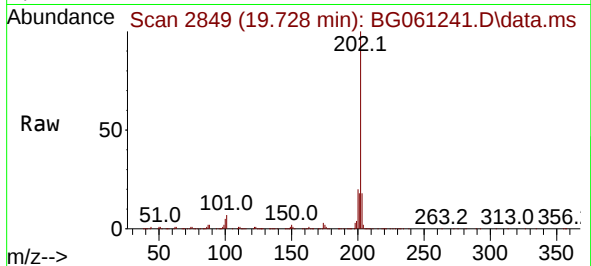
Tgt Ion:240 Resp: 183278
Ion Ratio Lower Upper
240 100
120 6.3 3.2 4.8#
236 26.5 21.0 31.6





#78
Pyrene
Concen: 28.029 ng
RT: 19.728 min Scan# 2849
Delta R.T. -0.020 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32

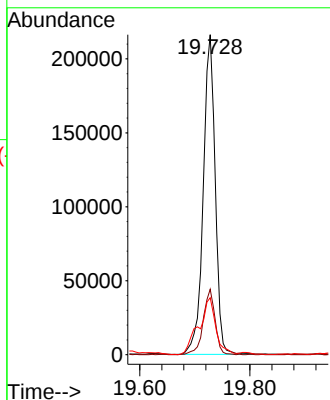
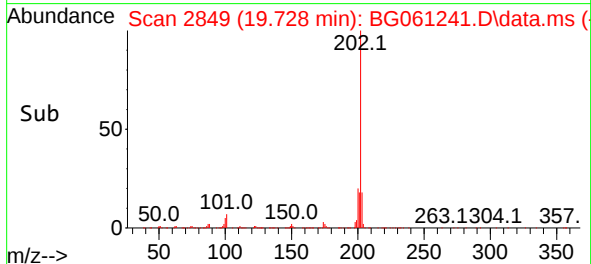
Instrument :
BNA_G
ClientSampleId :
SW-01-229



Tgt Ion:202 Resp: 326594
Ion Ratio Lower Upper
202 100
200 20.5 16.2 24.4
203 17.8 13.3 19.9

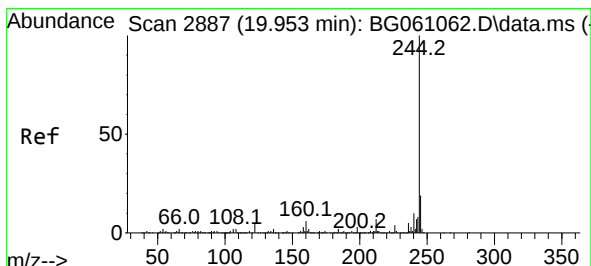
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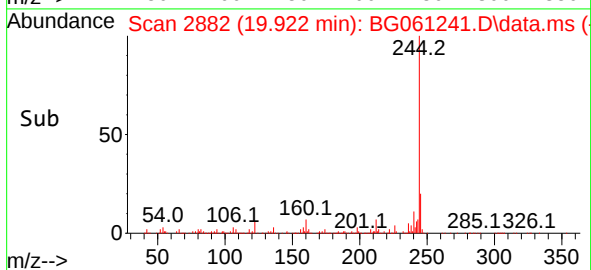
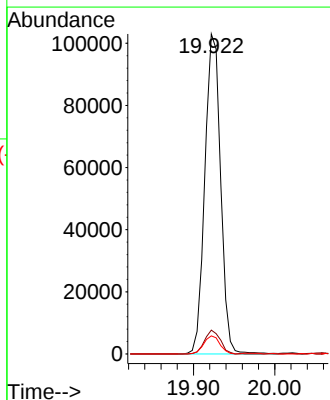
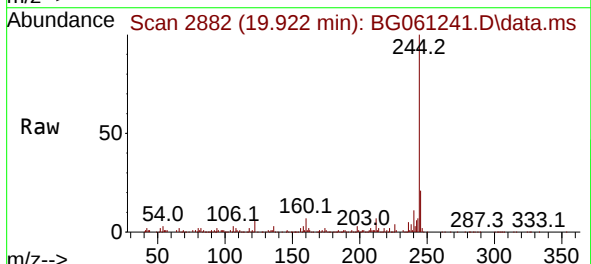
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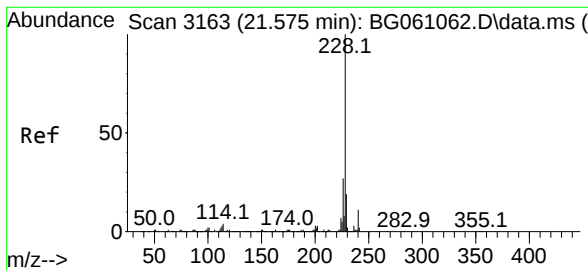
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#79
Terphenyl-d14
Concen: 12.575 ng
RT: 19.922 min Scan# 2882
Delta R.T. -0.031 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32

Tgt Ion:244 Resp: 138577
Ion Ratio Lower Upper
244 100
212 7.5 5.7 8.5
122 5.7 4.2 6.2





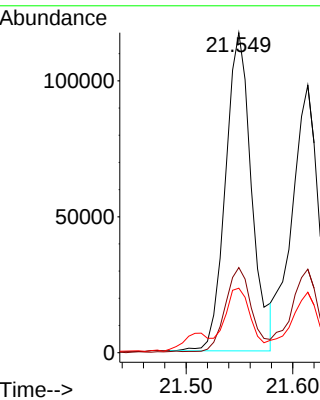
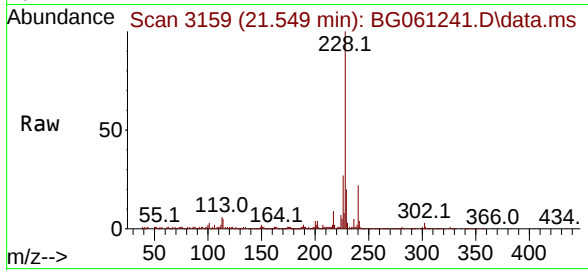
#81
Benzo(a)anthracene
Concen: 16.638 ng
RT: 21.549 min Scan# 3163
Delta R.T. -0.025 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32

Instrument : BNA_G
ClientSampleId : SW-01-229

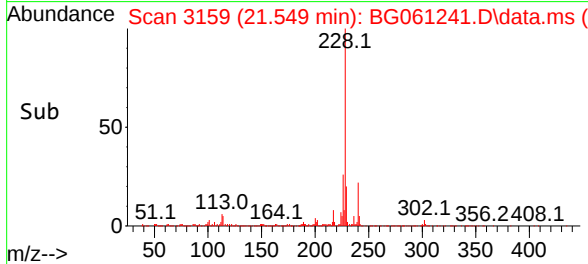
Tgt Ion:	228	Resp:	19954
Ion Ratio	Lower	Upper	
228	100		
226	26.6	21.6	32.4
229	20.1	15.0	22.4

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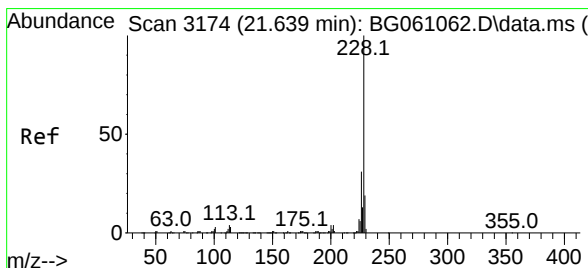
Reviewed By :Jagrut Upadhyay 05/20/2024
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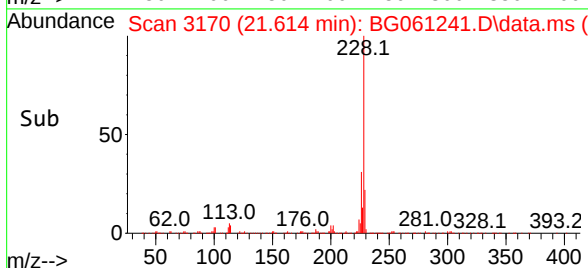
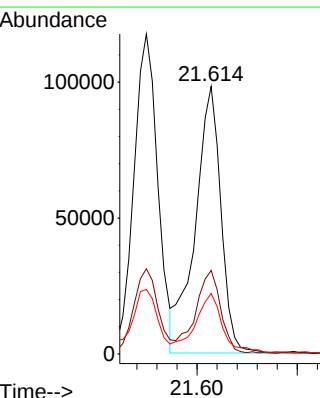
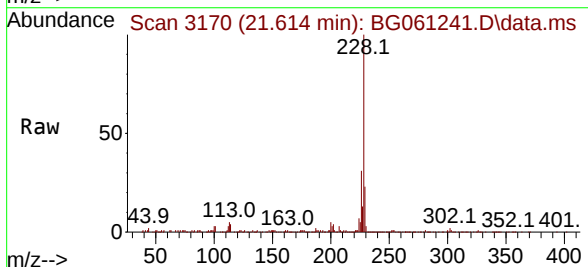


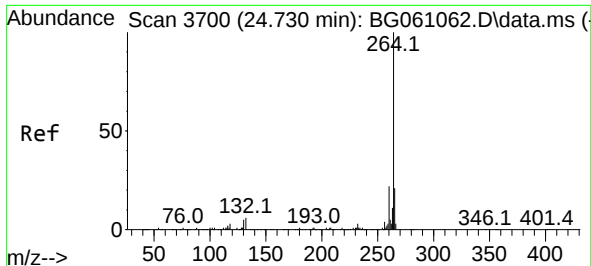
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#83
Chrysene
Concen: 15.621 ng m
RT: 21.614 min Scan# 3170
Delta R.T. -0.025 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32

Tgt Ion:	228	Resp:	175521
Ion Ratio	Lower	Upper	
228	100		
226	31.2	24.4	36.6
229	22.6	14.8	22.2





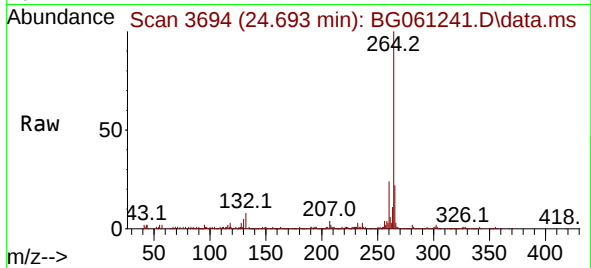
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.693 min Scan# 30
Delta R.T. -0.037 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32

Instrument :

BNA_G

ClientSampleId :

SW-01-229

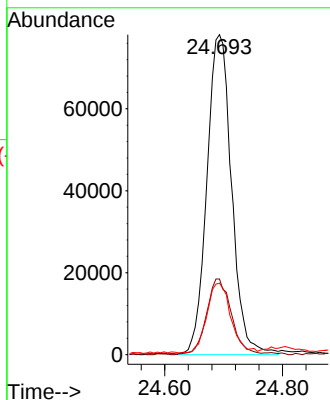
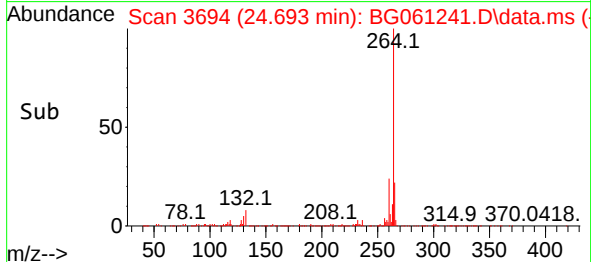


Tgt Ion:264 Resp: 227699
Ion Ratio Lower Upper
264 100
260 23.6 17.7 26.5
265 22.3 16.4 24.6

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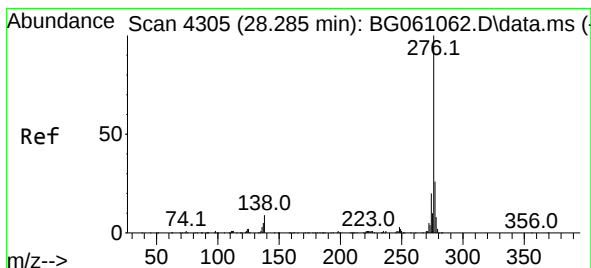
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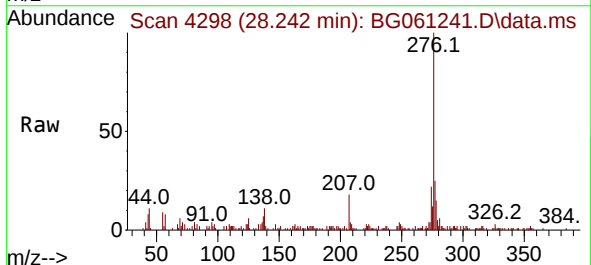


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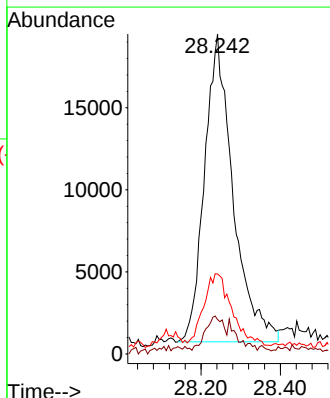
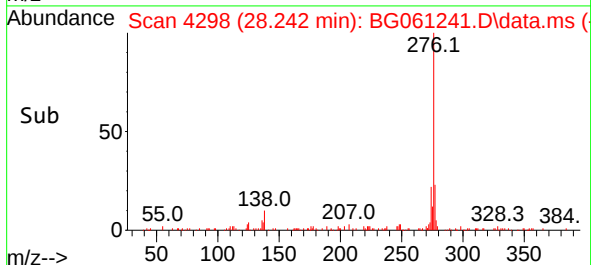
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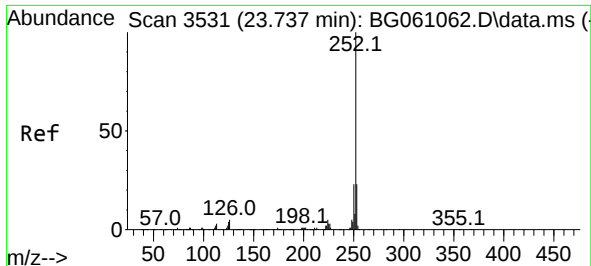


#87
Indeno(1,2,3-cd)pyrene
Concen: 6.191 ng
RT: 28.242 min Scan# 4298
Delta R.T. -0.043 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32



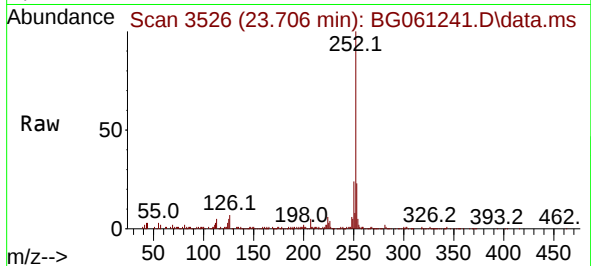
Tgt Ion:276 Resp: 93423
Ion Ratio Lower Upper
276 100
138 7.1 5.1 7.7
277 23.0 20.6 30.8





#88
Benzo(b)fluoranthene
Concen: 16.837 ng
RT: 23.706 min Scan# 3526
Delta R.T. -0.031 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32

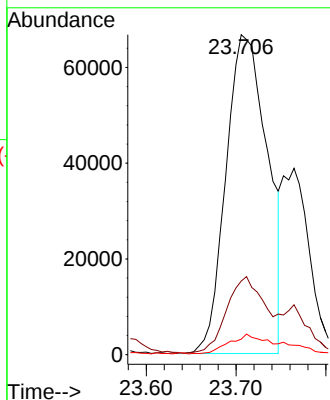
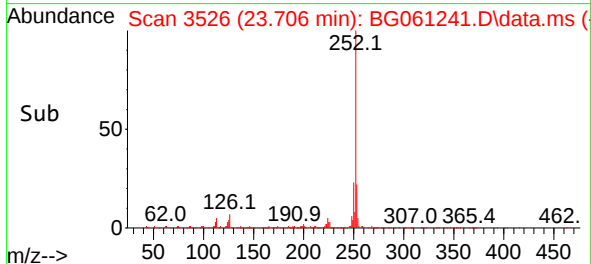
Instrument :
BNA_G
ClientSampleId :
SW-01-229



Tgt Ion:252 Resp: 214236
Ion Ratio Lower Upper
252 100
253 23.0 18.2 27.2
125 4.9 3.4 5.0

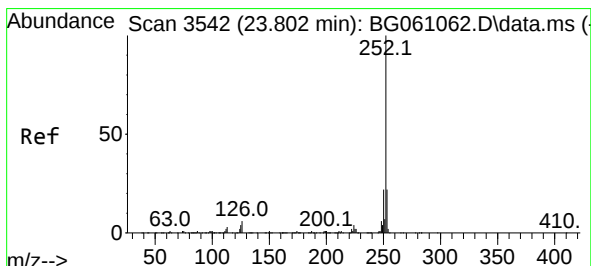
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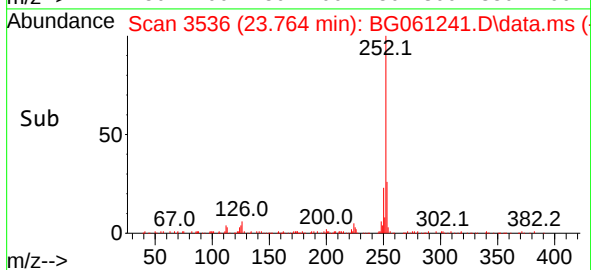
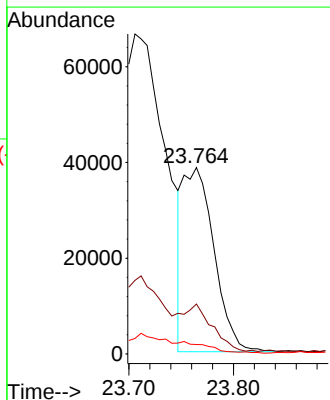
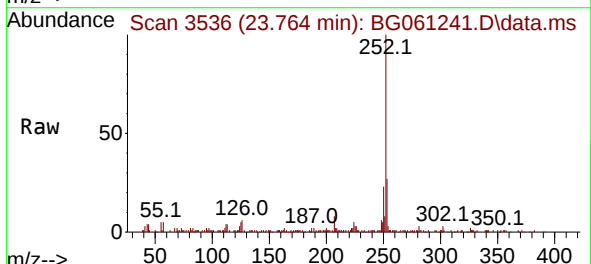
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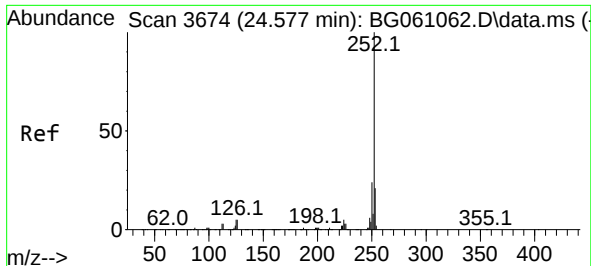
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#89
Benzo(k)fluoranthene
Concen: 6.468 ng m
RT: 23.764 min Scan# 3536
Delta R.T. -0.037 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32

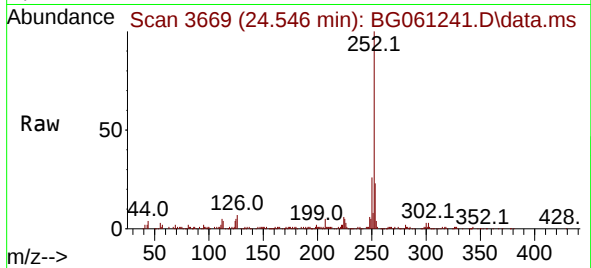
Tgt Ion:252 Resp: 79170
Ion Ratio Lower Upper
252 100
253 26.8 17.3 25.9#
125 5.1 3.2 4.8#





#90
Benzo(a)pyrene
Concen: 14.283 ng
RT: 24.546 min Scan# 30
Delta R.T. -0.031 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32

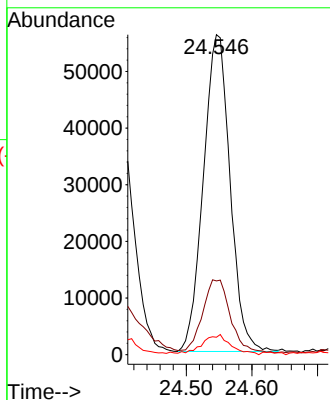
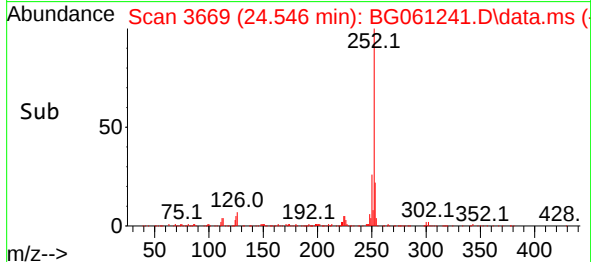
Instrument :
BNA_G
ClientSampleId :
SW-01-229



Tgt Ion:252 Resp: 15832
Ion Ratio Lower Upper
252 100
253 23.0 16.9 25.3
125 5.5 3.8 5.8

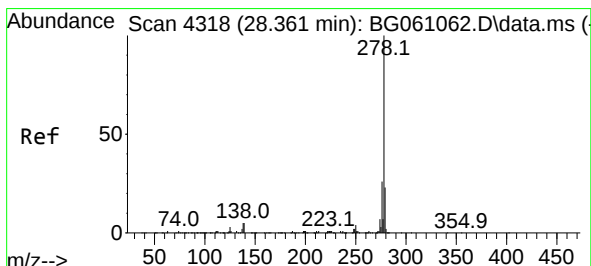
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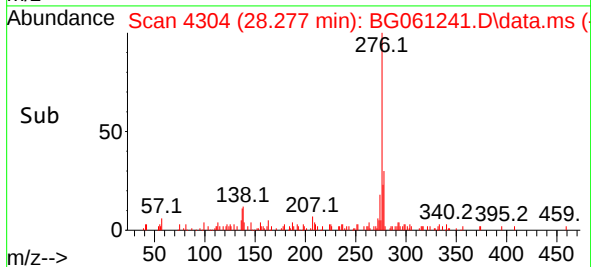
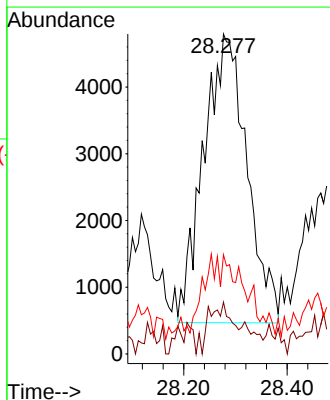
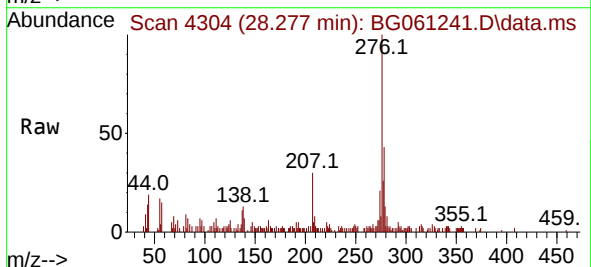
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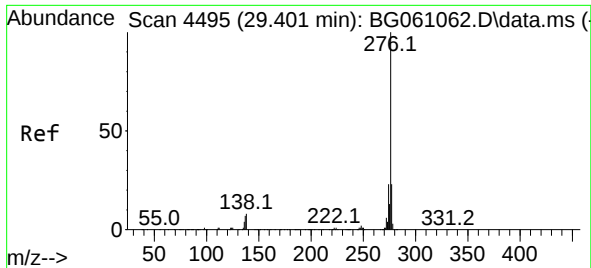
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#91
Dibenzo(a,h)anthracene
Concen: 2.009 ng
RT: 28.277 min Scan# 4304
Delta R.T. -0.084 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32

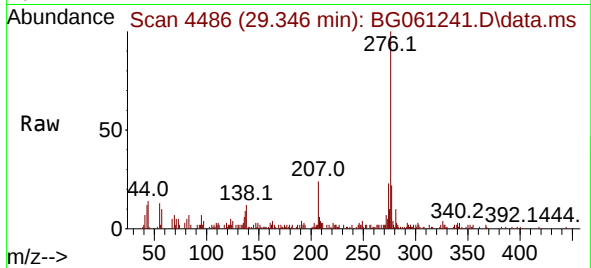
Tgt Ion:278 Resp: 25100
Ion Ratio Lower Upper
278 100
139 16.2 4.2 6.2#
279 31.0 18.0 27.0#





#92
Benzo(g,h,i)perylene
Concen: 7.003 ng m
RT: 29.346 min Scan# 44
Delta R.T. -0.055 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32

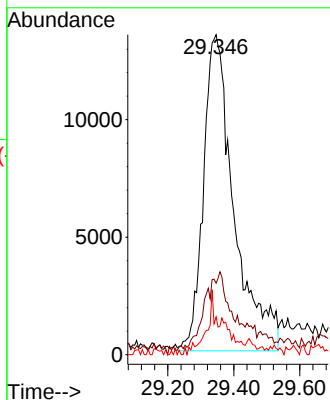
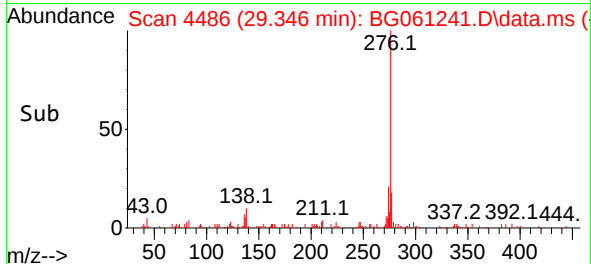
Instrument :
BNA_G
ClientSampleId :
SW-01-229



Tgt Ion:276 Resp: 8696
Ion Ratio Lower Upper
276 100
277 22.3 18.2 27.4
138 11.8 6.2 9.2

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