

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051424\
 Data File : BG061195.D
 Acq On : 14 May 2024 18:38
 Operator : MA/JU
 Sample : P2466-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-051324

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 05/15/2024
 Supervised By :mohammad ahmed 05/17/2024

Quant Time: May 15 01:18:36 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						
1) 1,4-Dichlorobenzene-d4	7.929	152	32718	20.000	ng	-0.03
21) Naphthalene-d8	10.720	136	110610	20.000	ng	-0.04
39) Acenaphthene-d10	14.557	164	81903	20.000	ng	-0.03
64) Phenanthrene-d10	17.307	188	174898	20.000	ng	-0.03
76) Chrysene-d12	21.566	240	173768	20.000	ng	-0.03
86) Perylene-d12	24.698	264	215334	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	72610	45.134	ng	-0.02
7) Phenol-d6	7.107	99	97648	41.031	ng	-0.03
23) Nitrobenzene-d5	9.087	82	67539	30.269	ng	-0.03
42) 2,4,6-Tribromophenol	16.049	330	58159	35.526	ng	-0.03
45) 2-Fluorobiphenyl	13.176	172	147564	26.642	ng	-0.03
79) Terphenyl-d14	19.927	244	246009	23.546	ng	-0.03
Target Compounds						
						Qvalue
38) 1-Methylnaphthalene	12.600	142	9506	2.192	ng	94
49) Acenaphthylene	14.281	152	34541	5.348	ng	# 93
52) Acenaphthene	14.622	154	20794	5.161	ng	97
55) Dibenzofuran	14.957	168	25797	3.791	ng	# 93
58) Fluorene	15.609	166	41529	7.052	ng	95
71) Phenanthrene	17.354	178	717511	89.722	ng	98
72) Anthracene	17.442	178	140178	17.567	ng	97
73) Carbazole	17.706	167	33351	4.753	ng	# 92
75) Fluoranthene	19.369	202	1097469	100.173	ng	98
78) Pyrene	19.727	202	919861	83.264	ng	97
81) Benzo(a)anthracene	21.549	228	505613	44.465	ng	96
83) Chrysene	21.613	228	461449	43.315	ng	97
87) Indeno(1,2,3-cd)pyrene	28.253	276	249907	17.512	ng	# 89
88) Benzo(b)fluoranthene	23.717	252	568442	47.241	ng	98
89) Benzo(k)fluoranthene	23.770	252	210221m	18.160	ng	
90) Benzo(a)pyrene	24.551	252	418129	39.885	ng	98
91) Dibenzo(a,h)anthracene	28.276	278	57033	4.826	ng	# 86
92) Benzo(g,h,i)perylene	29.363	276	216630	18.446	ng	99

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

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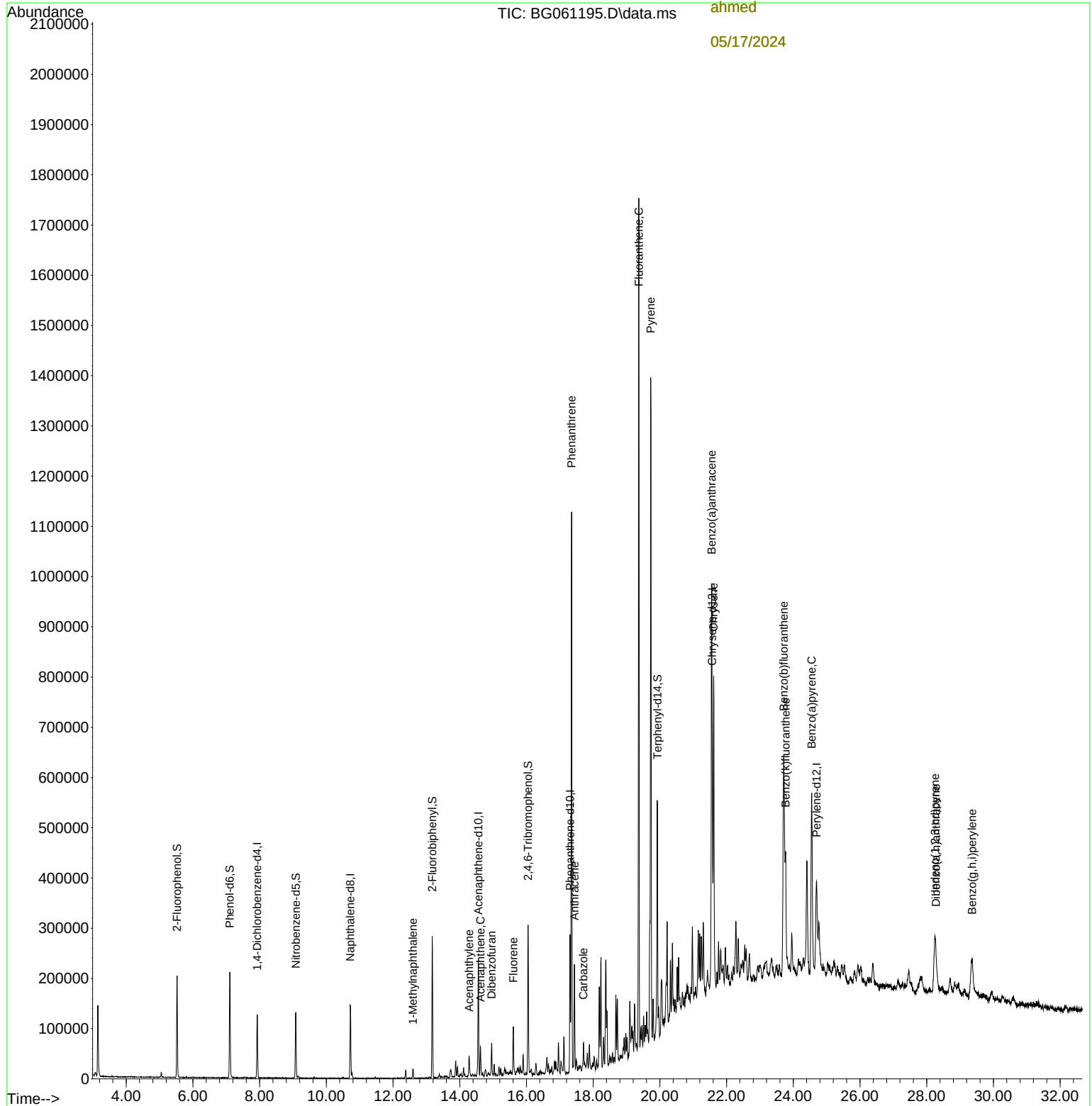
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 2024
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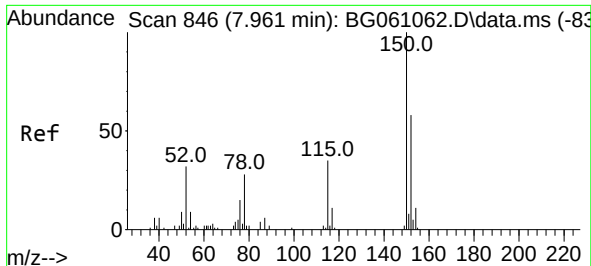
Manual Integrations
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ahmed

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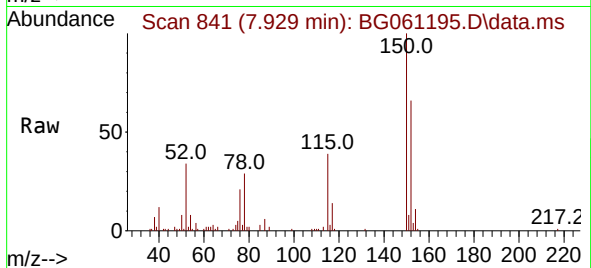
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.929 min Scan# 846
Delta R.T. -0.032 min
Lab File: BG061195.D
Acq: 14 May 2024 18:38

Instrument :

BNA_G

ClientSampleId :

OR-03-051324



Tgt Ion:152 Resp: 32718
Ion Ratio Lower Upper
152 100
150 150.7 138.3 207.5
115 58.3 48.0 72.0

Manual Integrations

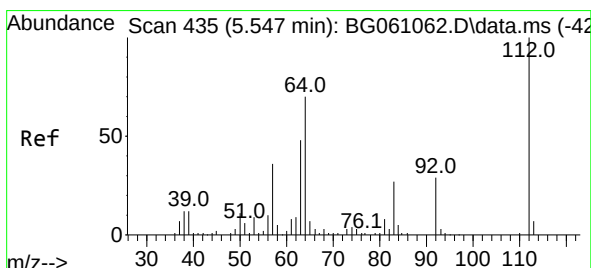
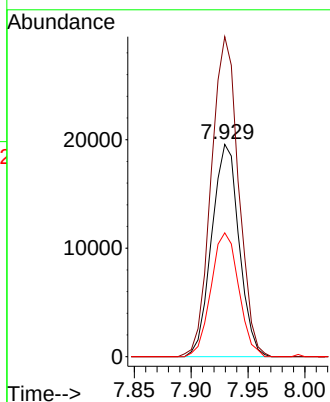
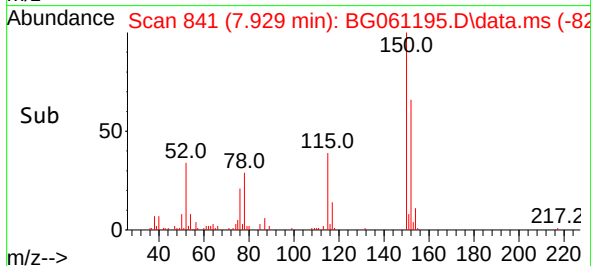
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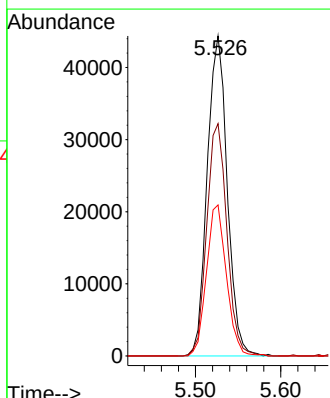
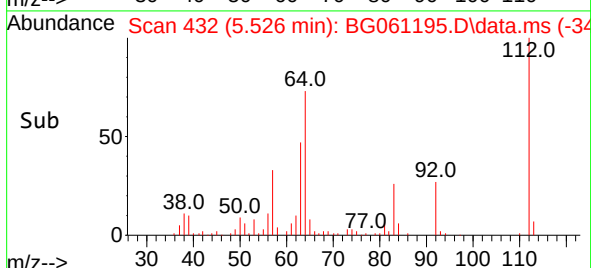
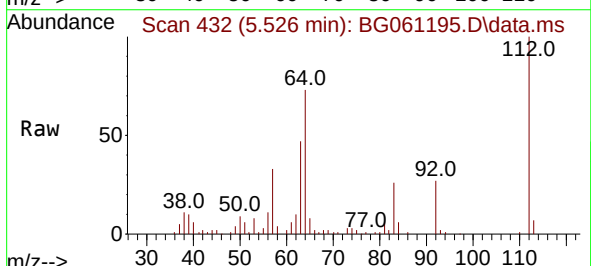
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ahmed

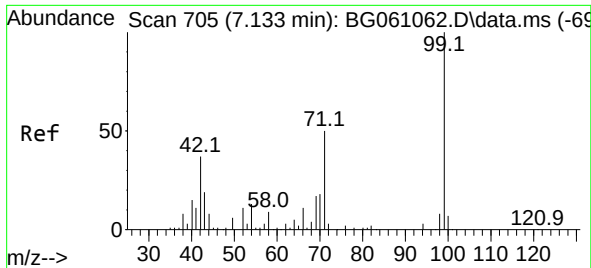
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#5
2-Fluorophenol
Concen: 45.134 ng
RT: 5.526 min Scan# 432
Delta R.T. -0.020 min
Lab File: BG061195.D
Acq: 14 May 2024 18:38

Tgt Ion:112 Resp: 72610
Ion Ratio Lower Upper
112 100
64 72.6 55.7 83.5
63 47.2 38.1 57.1





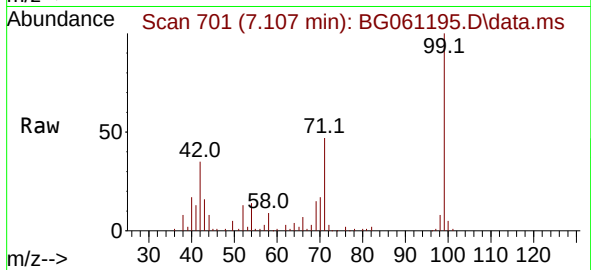
#7
Phenol-d6
Concen: 41.031 ng
RT: 7.107 min Scan# 705
Delta R.T. -0.026 min
Lab File: BG061195.D
Acq: 14 May 2024 18:38

Instrument :

BNA_G

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OR-03-051324



Tgt Ion: 99 Resp: 97648
Ion Ratio Lower Upper
99 100
42 34.9 29.2 43.8
71 46.6 39.7 59.5

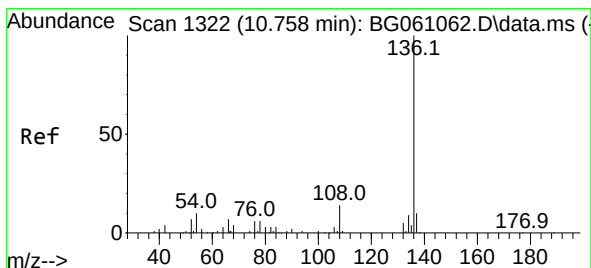
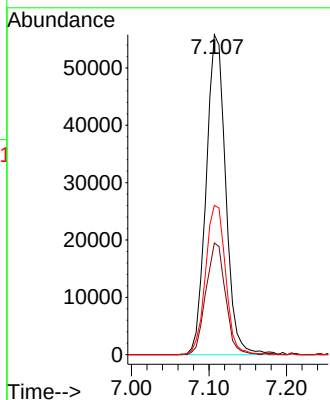
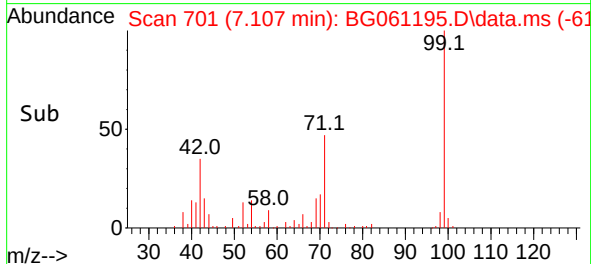
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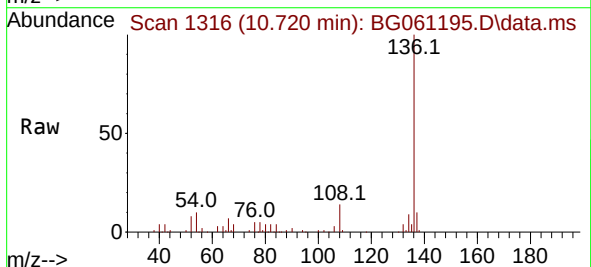
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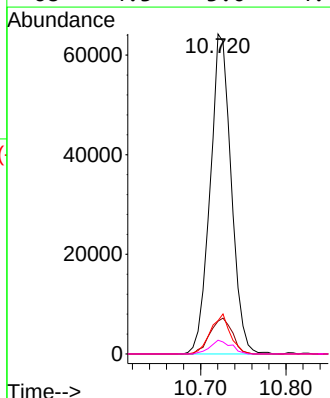
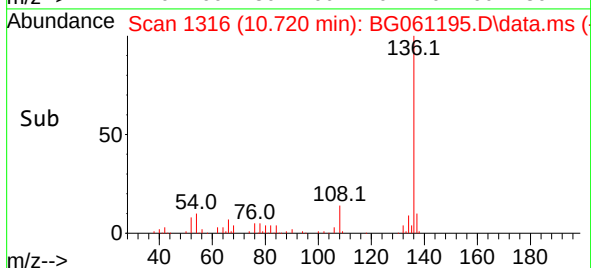
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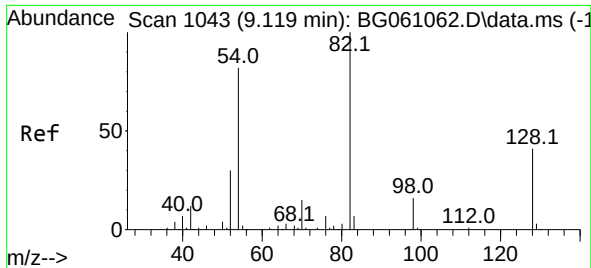


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.720 min Scan# 1316
Delta R.T. -0.038 min
Lab File: BG061195.D
Acq: 14 May 2024 18:38



Tgt Ion:136 Resp: 110610
Ion Ratio Lower Upper
136 100
137 10.3 7.8 11.6
54 10.4 8.1 12.1
68 4.3 3.0 4.4





#23
Nitrobenzene-d5
Concen: 30.269 ng
RT: 9.087 min Scan# 1043
Delta R.T. -0.032 min
Lab File: BG061195.D
Acq: 14 May 2024 18:38

Instrument :

BNA_G

ClientSampleId :

OR-03-051324

Tgt Ion: 82 Resp: 67539
Ion Ratio Lower Upper
82 100
128 38.9 32.7 49.1
54 79.0 65.6 98.4

Manual Integrations

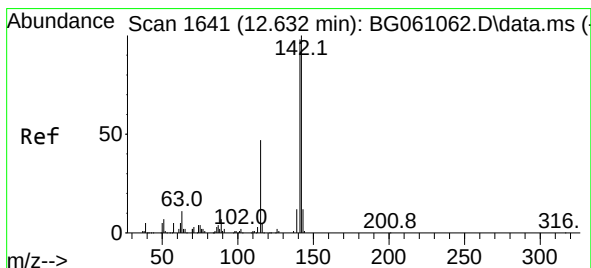
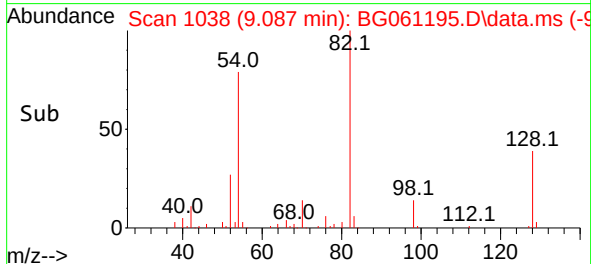
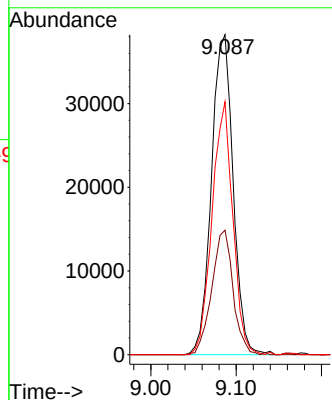
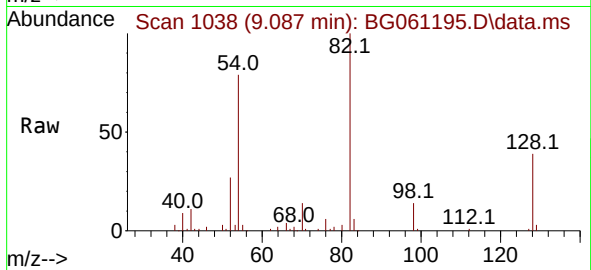
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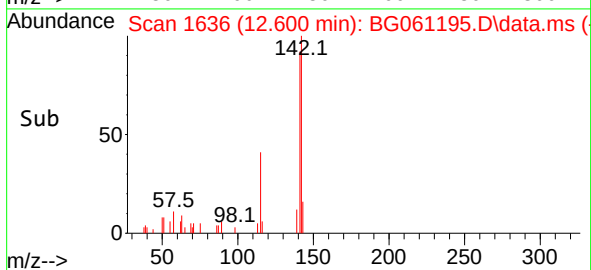
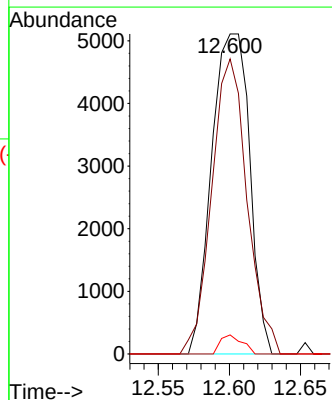
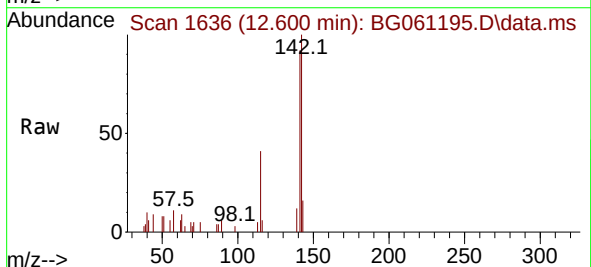
Supervised By :mohammad
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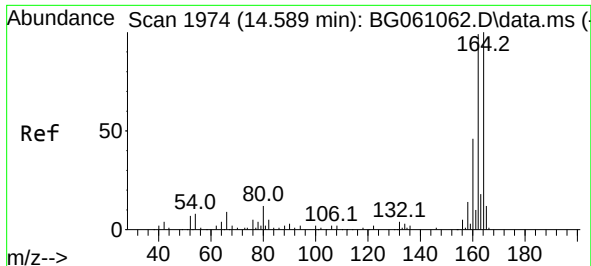
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#38
1-Methylnaphthalene
Concen: 2.192 ng
RT: 12.600 min Scan# 1636
Delta R.T. -0.032 min
Lab File: BG061195.D
Acq: 14 May 2024 18:38

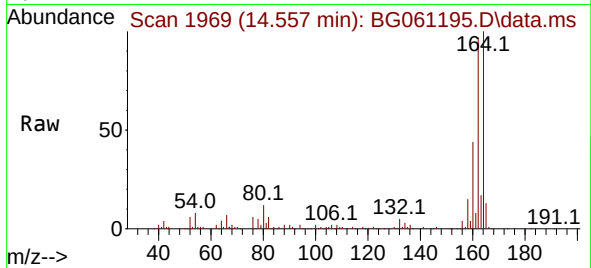
Tgt Ion:142 Resp: 9506
Ion Ratio Lower Upper
142 100
141 92.2 78.4 117.6
116 5.9 4.3 6.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.557 min Scan# 1969
Delta R.T. -0.032 min
Lab File: BG061195.D
Acq: 14 May 2024 18:38

Instrument :
BNA_G
ClientSampleId :
OR-03-051324



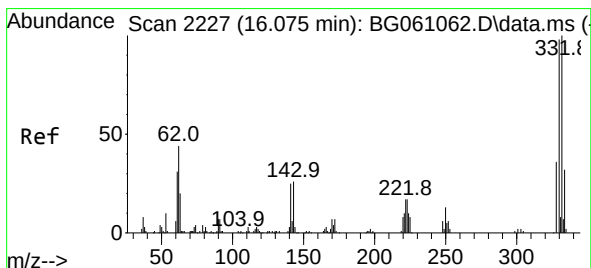
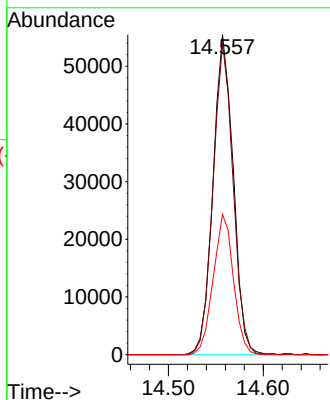
Tgt Ion:164 Resp: 8190
Ion Ratio Lower Upper
164 100
162 97.4 79.4 119.2
160 43.9 37.0 55.6

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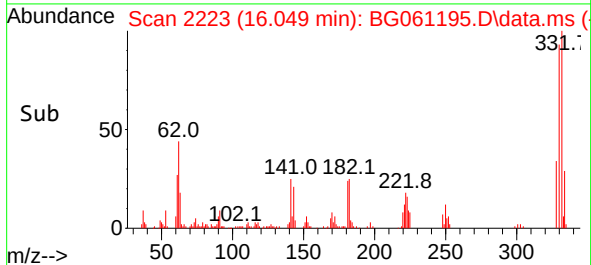
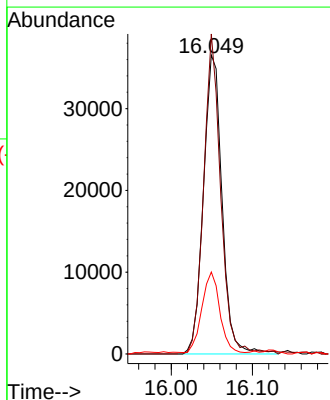
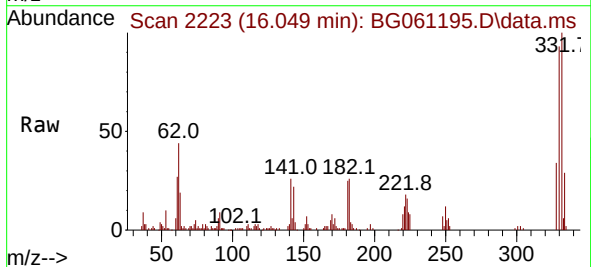
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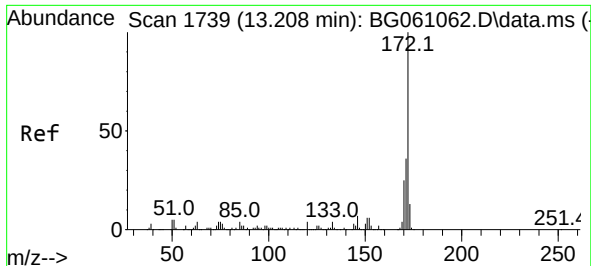
05/17/2024



#42
2,4,6-Tribromophenol
Concen: 35.526 ng
RT: 16.049 min Scan# 2223
Delta R.T. -0.026 min
Lab File: BG061195.D
Acq: 14 May 2024 18:38

Tgt Ion:330 Resp: 58159
Ion Ratio Lower Upper
330 100
332 97.6 78.6 117.8
141 27.0 20.5 30.7





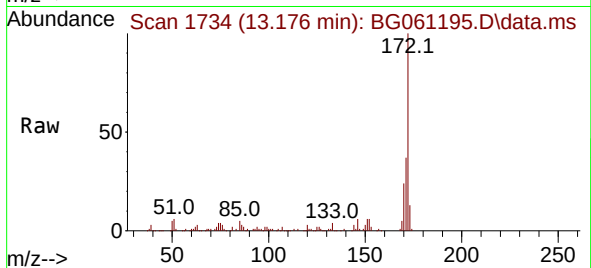
#45
2-Fluorobiphenyl
Concen: 26.642 ng
RT: 13.176 min Scan# 1734
Delta R.T. -0.032 min
Lab File: BG061195.D
Acq: 14 May 2024 18:38

Instrument :

BNA_G

ClientSampleId :

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Tgt Ion:172 Resp: 147564
Ion Ratio Lower Upper
172 100
171 37.1 29.0 43.6
170 24.2 20.2 30.4

Manual Integrations

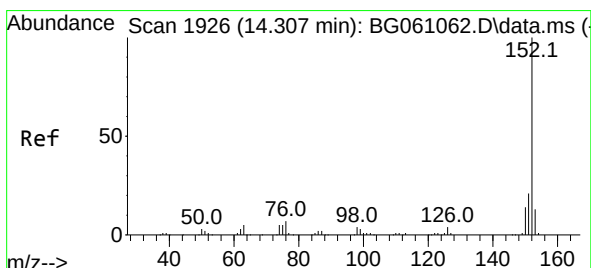
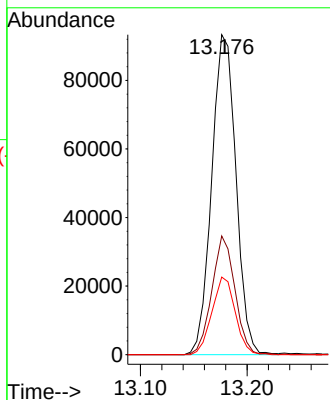
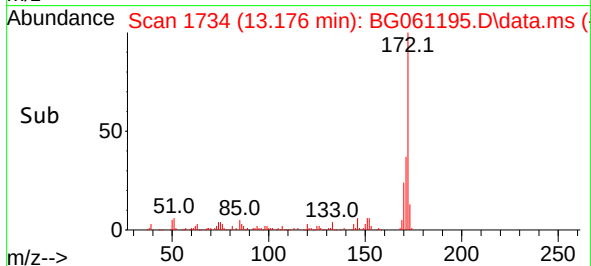
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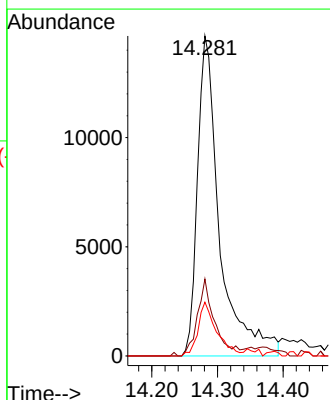
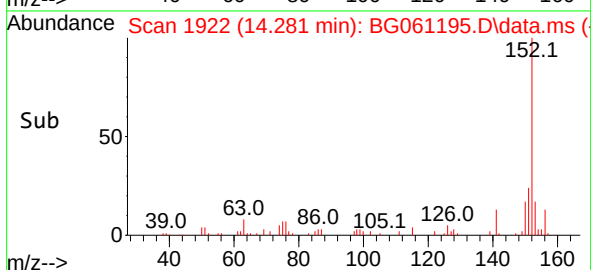
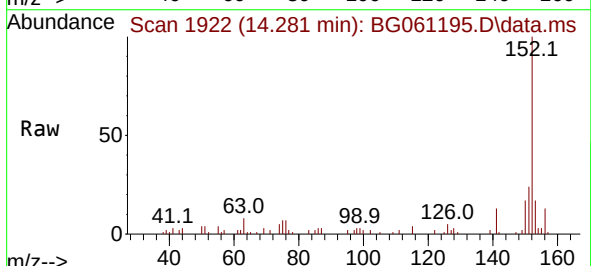
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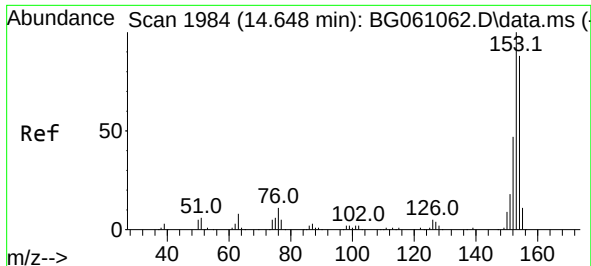
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#49
Acenaphthylene
Concen: 5.348 ng
RT: 14.281 min Scan# 1922
Delta R.T. -0.026 min
Lab File: BG061195.D
Acq: 14 May 2024 18:38

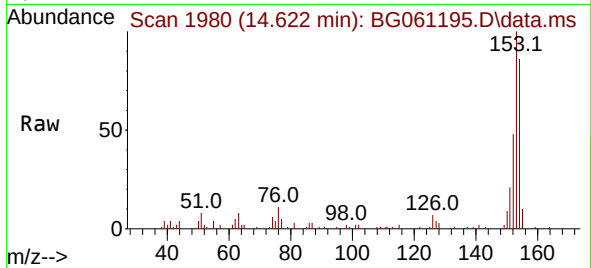
Tgt Ion:152 Resp: 34541
Ion Ratio Lower Upper
152 100
151 24.0 16.9 25.3
153 16.8 10.6 15.8#





#52
Acenaphthene
Concen: 5.161 ng
RT: 14.622 min Scan# 1984
Delta R.T. -0.026 min
Lab File: BG061195.D
Acq: 14 May 2024 18:38

Instrument :
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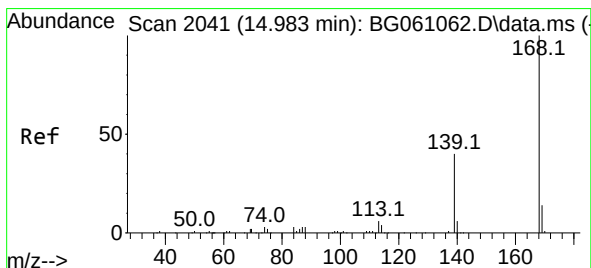
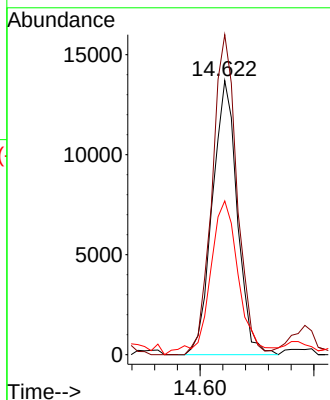
Tgt Ion:154 Resp: 20794
Ion Ratio Lower Upper
154 100
153 116.8 91.0 136.4
152 56.1 43.1 64.7

Manual Integrations
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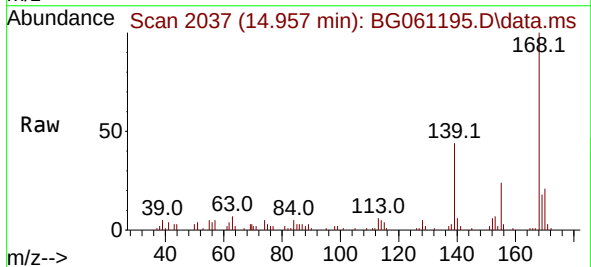
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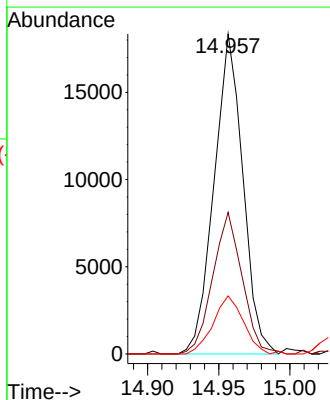
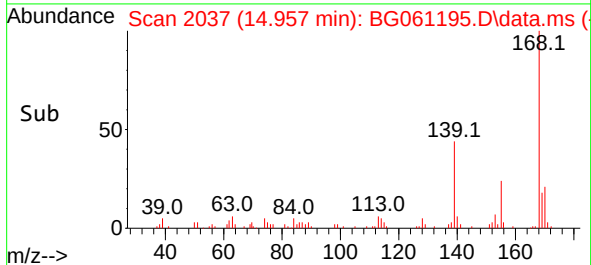
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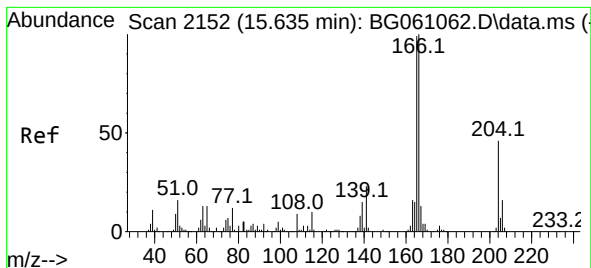


#55
Dibenzofuran
Concen: 3.791 ng
RT: 14.957 min Scan# 2037
Delta R.T. -0.026 min
Lab File: BG061195.D
Acq: 14 May 2024 18:38



Tgt Ion:168 Resp: 25797
Ion Ratio Lower Upper
168 100
139 44.2 32.2 48.4
169 18.1 11.4 17.2#





#58

Fluorene

Concen: 7.052 ng

RT: 15.609 min Scan# 2152

Delta R.T. -0.026 min

Lab File: BG061195.D

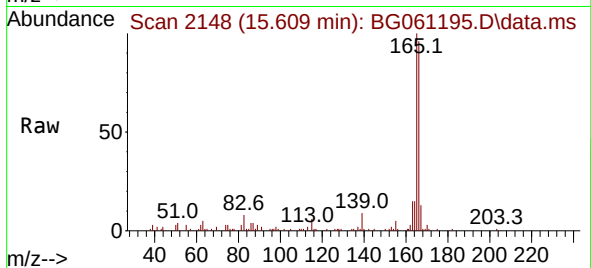
Acq: 14 May 2024 18:38

Instrument :

BNA_G

ClientSampleId :

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Tgt Ion:	166	Resp:	41529
Ion Ratio	100	Lower	Upper
166	100		
165	104.4	78.9	118.3
167	14.0	10.6	15.8

Manual Integrations

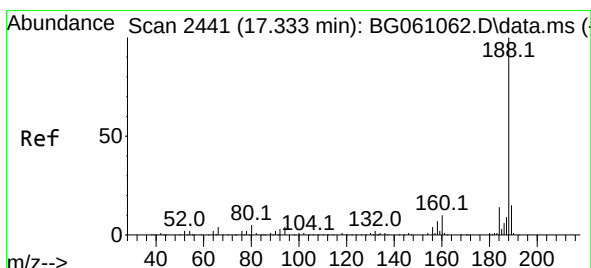
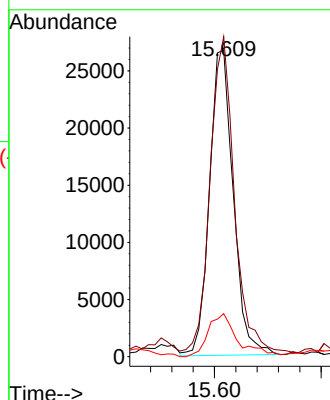
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#64

Phenanthrene-d10

Concen: 20.000 ng

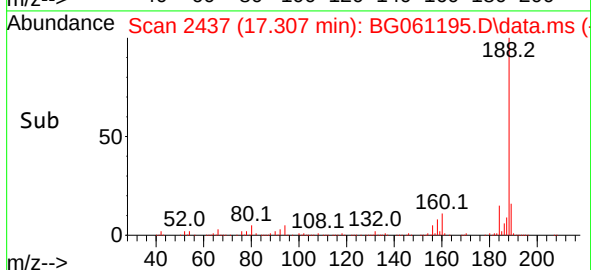
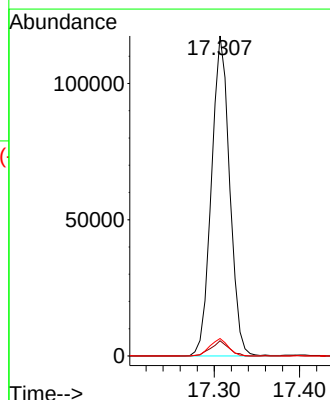
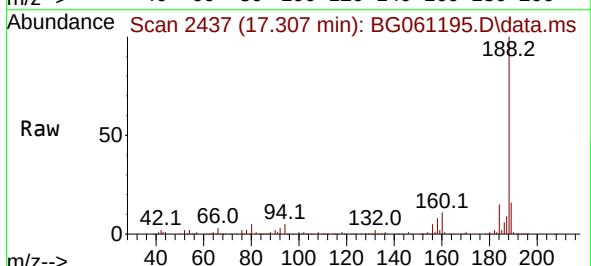
RT: 17.307 min Scan# 2437

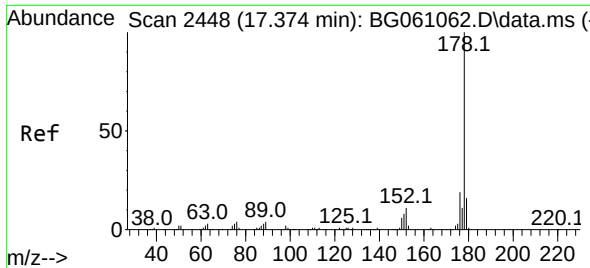
Delta R.T. -0.026 min

Lab File: BG061195.D

Acq: 14 May 2024 18:38

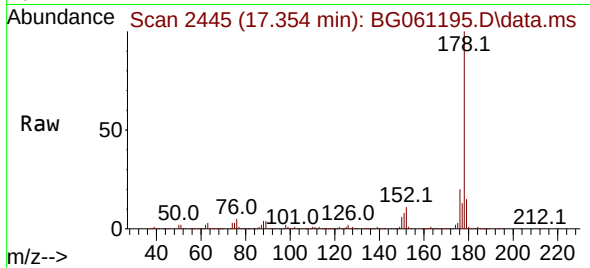
Tgt Ion:	188	Resp:	174898
Ion Ratio	100	Lower	Upper
188	100		
94	4.7	3.6	5.4
80	5.5	4.2	6.2





#71
Phenanthrene
Concen: 89.722 ng
RT: 17.354 min Scan# 2445
Delta R.T. -0.020 min
Lab File: BG061195.D
Acq: 14 May 2024 18:38

Instrument :
BNA_G
ClientSampleId :
OR-03-051324



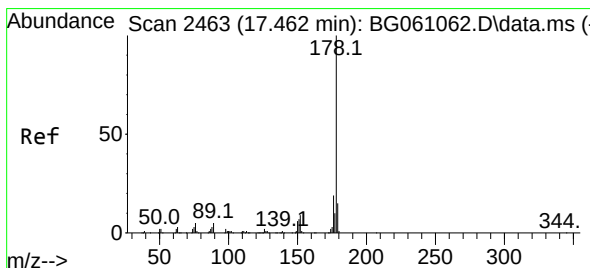
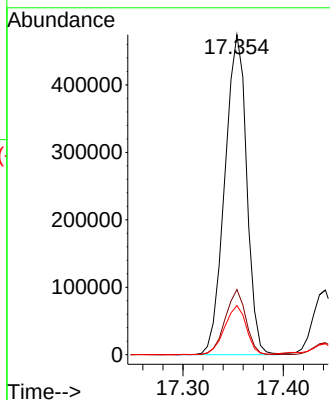
Tgt Ion:178 Resp: 71751
Ion Ratio Lower Upper
178 100
176 20.4 15.5 23.3
179 15.3 12.6 19.0

Manual Integrations
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Supervised By :mohammad ahmed 05/17/2024

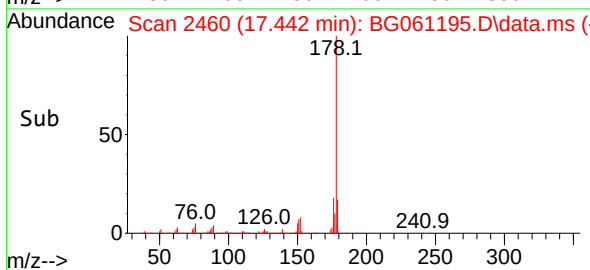
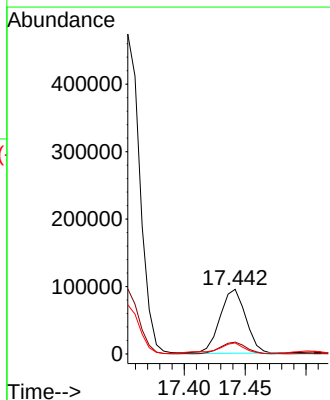
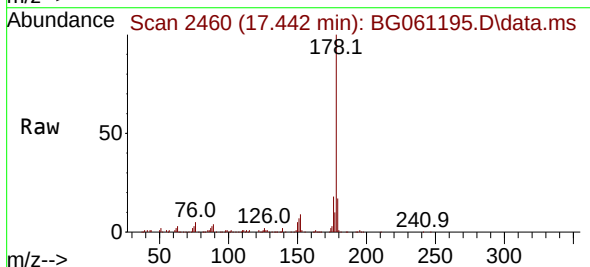
05/15/2024
Supervised By :mohammad
ahmed

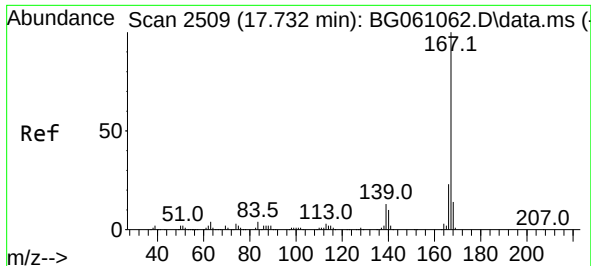
05/17/2024



#72
Anthracene
Concen: 17.567 ng
RT: 17.442 min Scan# 2460
Delta R.T. -0.020 min
Lab File: BG061195.D
Acq: 14 May 2024 18:38

Tgt Ion:178 Resp: 140178
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.6
179 17.0 12.0 18.0





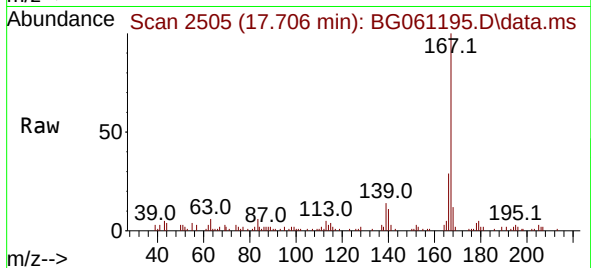
#73
 Carbazole
 Concen: 4.753 ng
 RT: 17.706 min Scan# 21
 Delta R.T. -0.026 min
 Lab File: BG061195.D
 Acq: 14 May 2024 18:38

Instrument :

BNA_G

ClientSampleId :

OR-03-051324



Tgt Ion:167 Resp: 3335
 Ion Ratio Lower Upper
 167 100
 166 29.5 18.7 28.1
 139 13.8 10.6 15.8

Manual Integrations

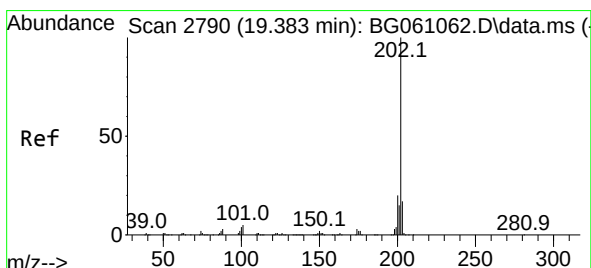
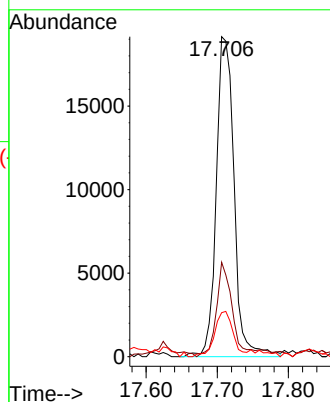
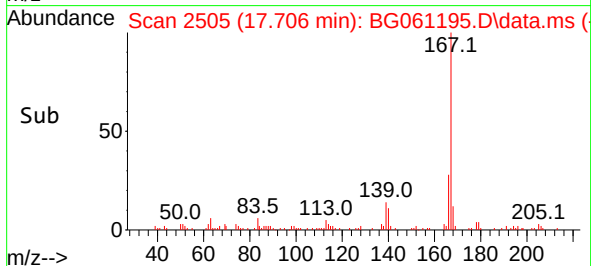
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 Supervised By :mohammad ahmed 05/17/2024

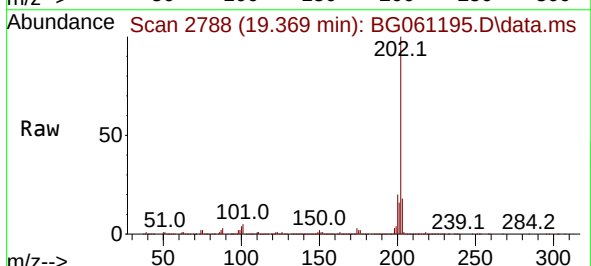
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 ahmed

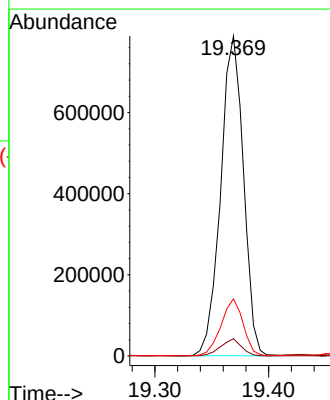
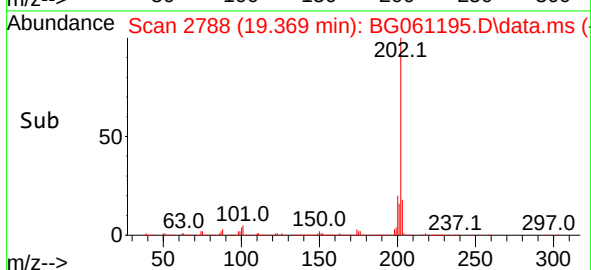
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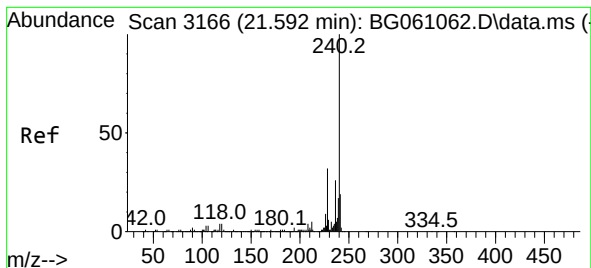


#75
 Fluoranthene
 Concen: 100.173 ng
 RT: 19.369 min Scan# 2788
 Delta R.T. -0.014 min
 Lab File: BG061195.D
 Acq: 14 May 2024 18:38



Tgt Ion:202 Resp: 1097469
 Ion Ratio Lower Upper
 202 100
 101 5.4 0.0 24.7
 203 17.8 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.566 min Scan# 3166

Delta R.T. -0.026 min

Lab File: BG061195.D

Acq: 14 May 2024 18:38

Instrument :

BNA_G

ClientSampleId :

OR-03-051324

Tgt Ion:240 Resp: 173768

Ion	Ratio	Lower	Upper
240	100		
120	4.7	3.2	4.8
236	25.4	21.0	31.6

Manual Integrations

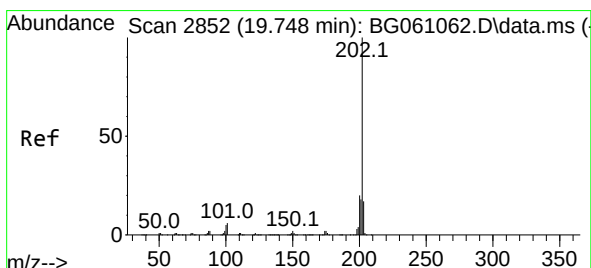
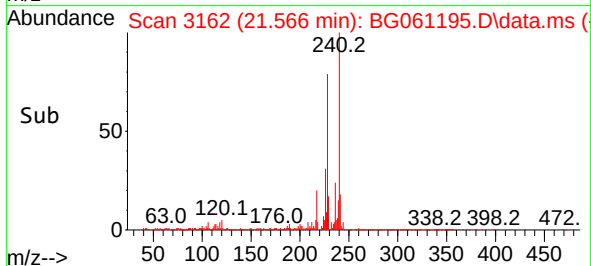
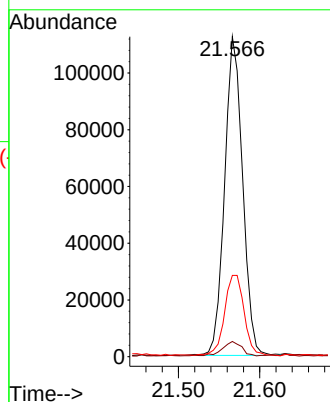
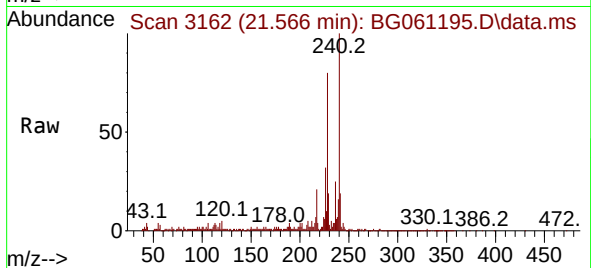
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Supervised By :mohammad
ahmed

05/17/2024



#78

Pyrene

Concen: 83.264 ng

RT: 19.727 min Scan# 2849

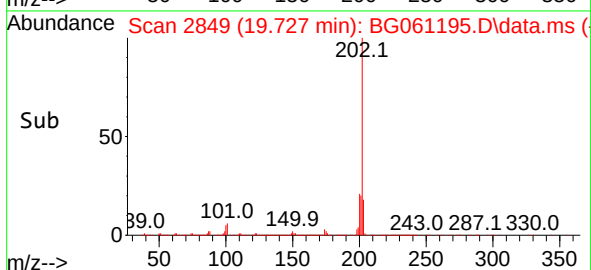
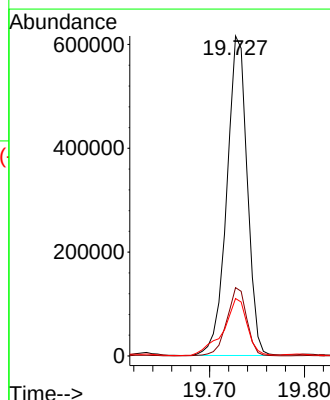
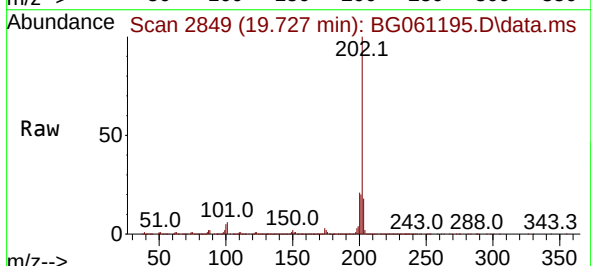
Delta R.T. -0.020 min

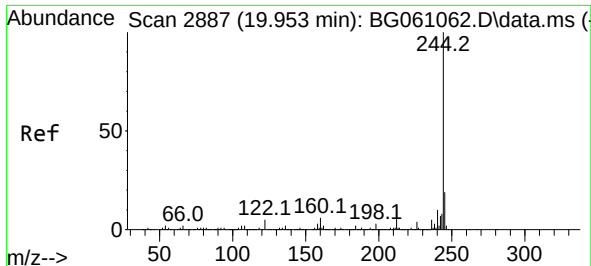
Lab File: BG061195.D

Acq: 14 May 2024 18:38

Tgt Ion:202 Resp: 919861

Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.2	24.4
203	18.0	13.3	19.9





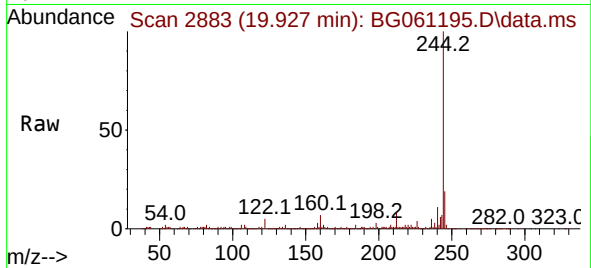
#79
 Terphenyl-d14
 Concen: 23.546 ng
 RT: 19.927 min Scan# 21
 Delta R.T. -0.026 min
 Lab File: BG061195.D
 Acq: 14 May 2024 18:38

Instrument :

BNA_G

ClientSampleId :

OR-03-051324



Tgt Ion:244 Resp: 246009
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.7 8.5
 122 4.6 4.2 6.2

Manual Integrations

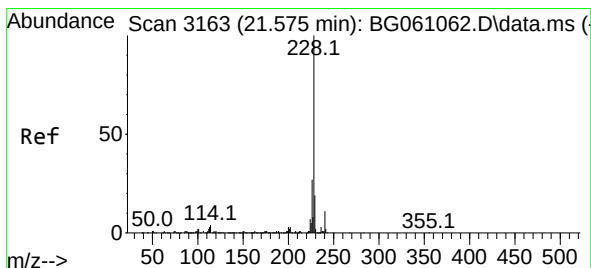
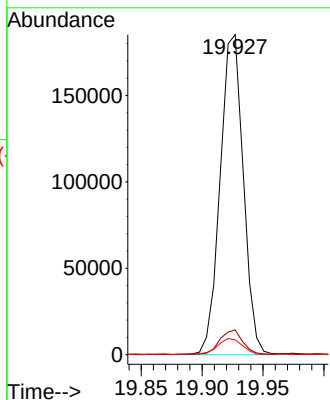
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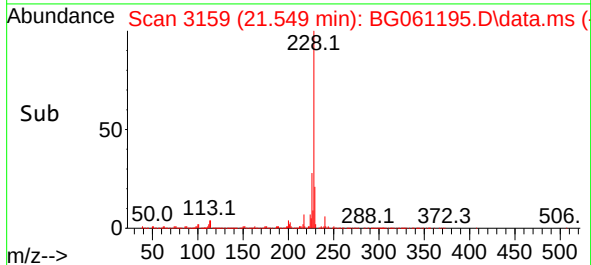
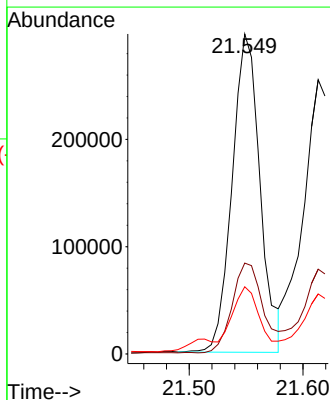
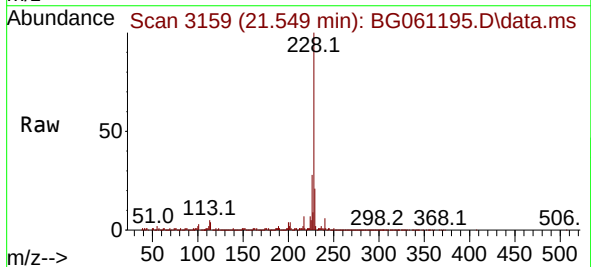
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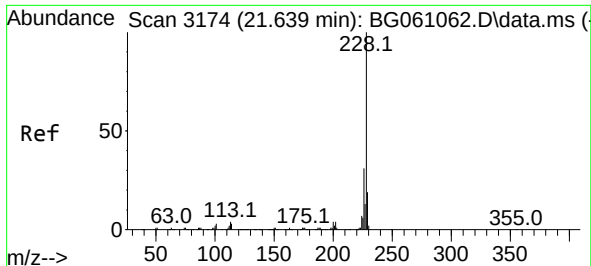
05/17/2024



#81
 Benzo(a)anthracene
 Concen: 44.465 ng
 RT: 21.549 min Scan# 3159
 Delta R.T. -0.026 min
 Lab File: BG061195.D
 Acq: 14 May 2024 18:38

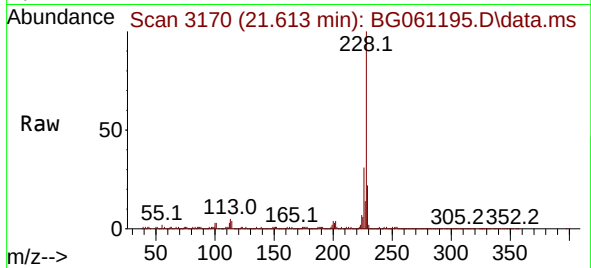
Tgt Ion:228 Resp: 505613
 Ion Ratio Lower Upper
 228 100
 226 28.4 21.6 32.4
 229 21.0 15.0 22.4





#83
Chrysene
Concen: 43.315 ng
RT: 21.613 min Scan# 3174
Delta R.T. -0.026 min
Lab File: BG061195.D
Acq: 14 May 2024 18:38

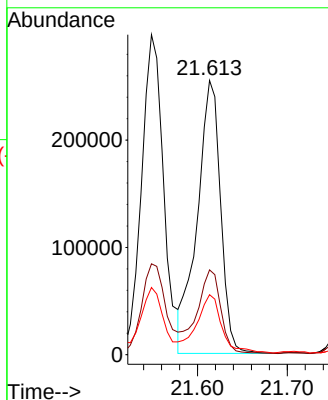
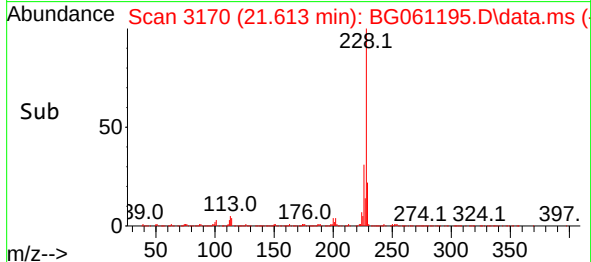
Instrument :
BNA_G
ClientSampleId :
OR-03-051324



Tgt Ion:228 Resp: 461449
Ion Ratio Lower Upper
228 100
226 30.9 24.4 36.6
229 21.9 14.8 22.2

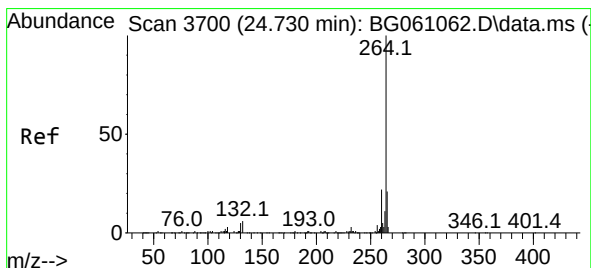
Manual Integrations
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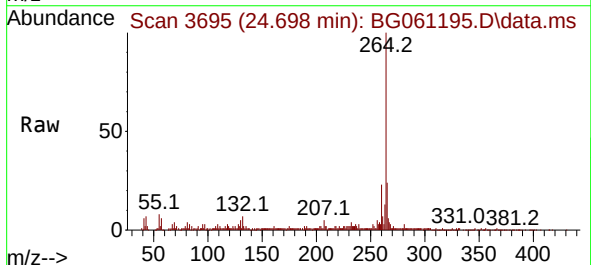


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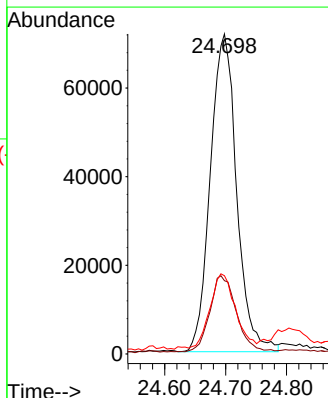
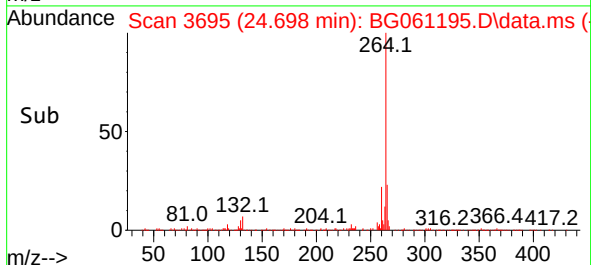
05/17/2024

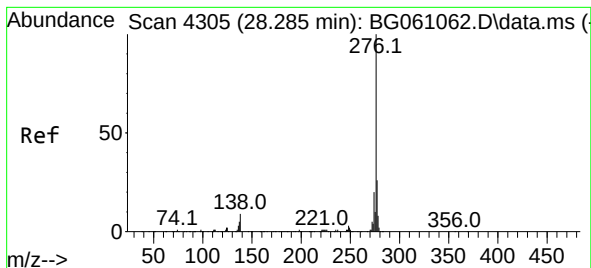


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.698 min Scan# 3695
Delta R.T. -0.032 min
Lab File: BG061195.D
Acq: 14 May 2024 18:38



Tgt Ion:264 Resp: 215334
Ion Ratio Lower Upper
264 100
260 22.9 17.7 26.5
265 24.4 16.4 24.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 17.512 ng

RT: 28.253 min Scan# 41

Delta R.T. -0.032 min

Lab File: BG061195.D

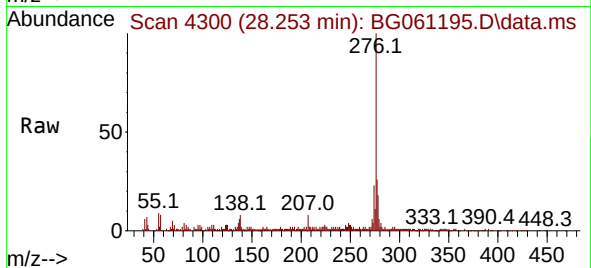
Acq: 14 May 2024 18:38

Instrument :

BNA_G

ClientSampleId :

OR-03-051324



Tgt Ion:276 Resp: 24990

Ion Ratio Lower Upper

276 100

138 7.9 5.1 7.7

277 19.3 20.6 30.8

Manual Integrations

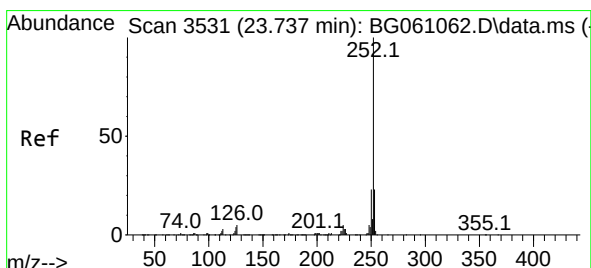
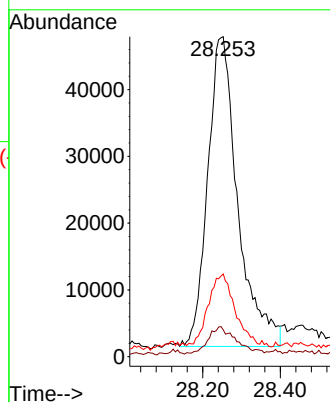
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ahmed

05/17/2024



#88

Benzo(b)fluoranthene

Concen: 47.241 ng

RT: 23.717 min Scan# 3528

Delta R.T. -0.020 min

Lab File: BG061195.D

Acq: 14 May 2024 18:38

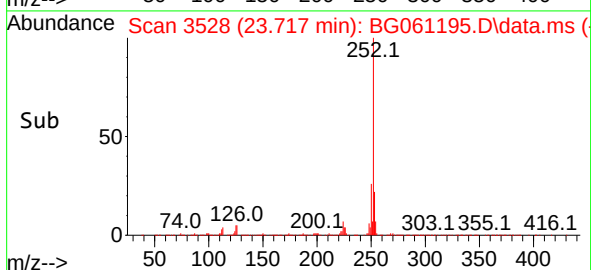
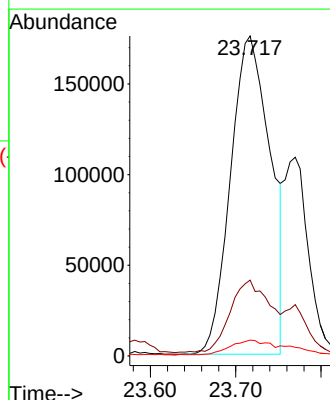
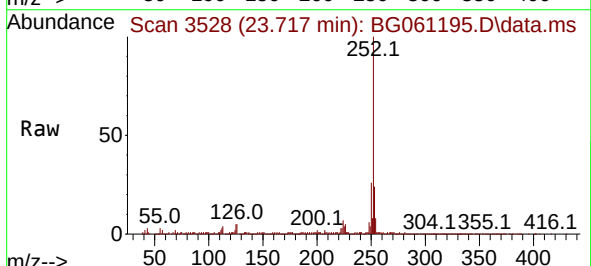
Tgt Ion:252 Resp: 568442

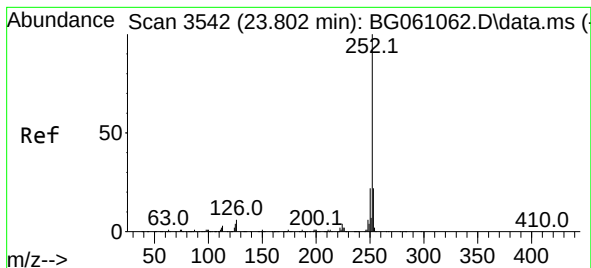
Ion Ratio Lower Upper

252 100

253 23.7 18.2 27.2

125 4.9 3.4 5.0





#89

Benzo(k)fluoranthene

Concen: 18.160 ng m

RT: 23.770 min Scan# 3

Delta R.T. -0.032 min

Lab File: BG061195.D

Acq: 14 May 2024 18:38

Instrument :

BNA_G

ClientSampleId :

OR-03-051324

Tgt Ion:252 Resp: 21022

Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.3	25.9
125	4.3	3.2	4.8

Manual Integrations

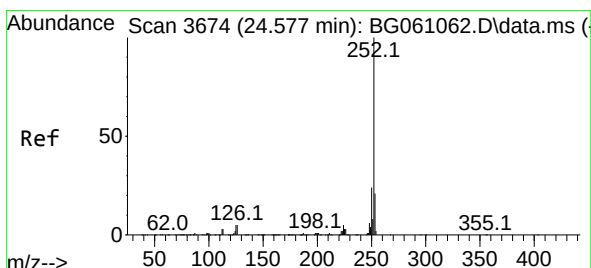
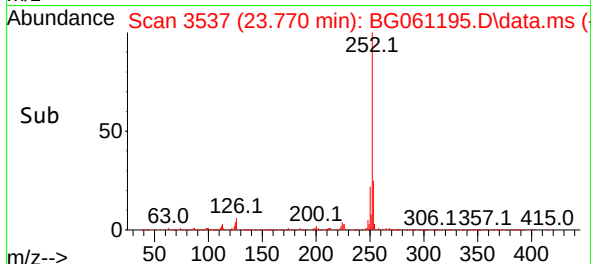
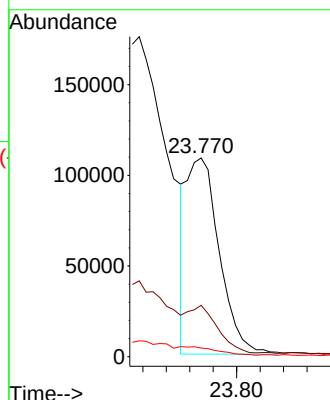
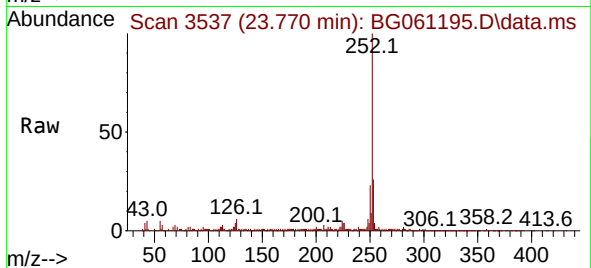
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Supervised By :mohammad ahmed 05/17/2024

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ahmed

05/17/2024



#90

Benzo(a)pyrene

Concen: 39.885 ng

RT: 24.551 min Scan# 3670

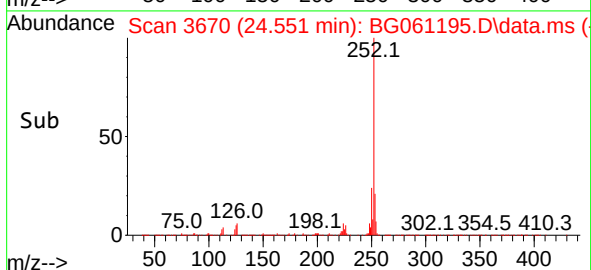
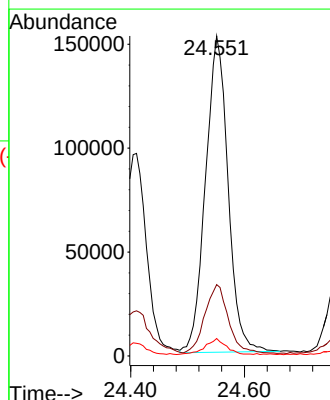
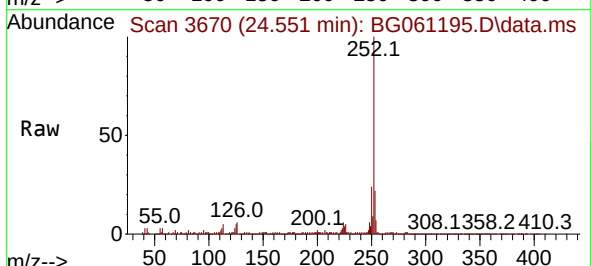
Delta R.T. -0.026 min

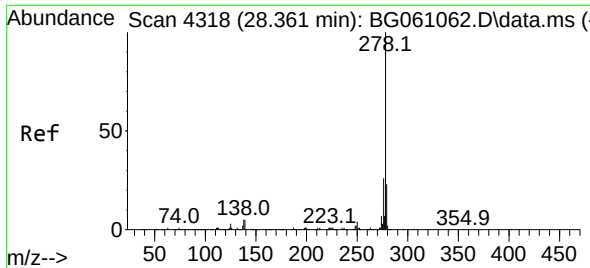
Lab File: BG061195.D

Acq: 14 May 2024 18:38

Tgt Ion:252 Resp: 418129

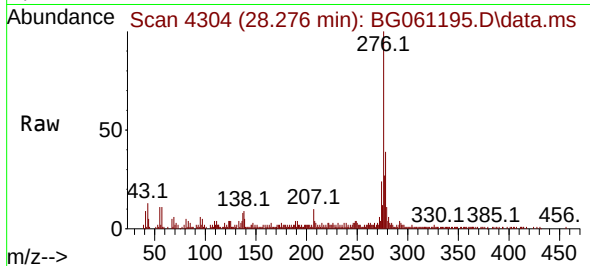
Ion	Ratio	Lower	Upper
252	100		
253	22.3	16.9	25.3
125	5.4	3.8	5.8





#91
Dibenzo(a,h)anthracene
Concen: 4.826 ng
RT: 28.276 min Scan# 41
Delta R.T. -0.085 min
Lab File: BG061195.D
Acq: 14 May 2024 18:38

Instrument :
BNA_G
ClientSampleId :
OR-03-051324



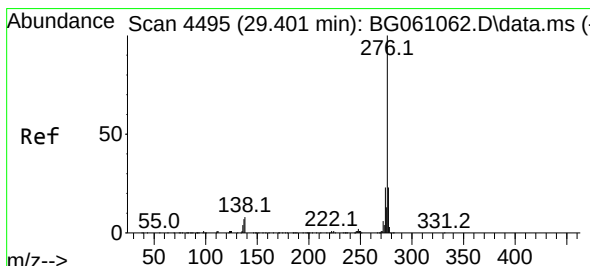
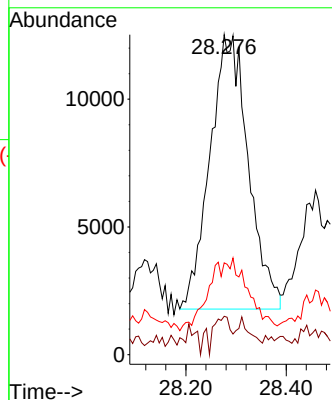
Tgt Ion:278 Resp: 5703
Ion Ratio Lower Upper
278 100
139 12.0 4.2 6.2
279 28.7 18.0 27.0

Manual Integrations
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Supervised By :mohammad ahmed 05/17/2024

05/15/2024
Supervised By :mohammad
ahmed

05/17/2024



#92
Benzo(g,h,i)perylene
Concen: 18.446 ng
RT: 29.363 min Scan# 4489
Delta R.T. -0.038 min
Lab File: BG061195.D
Acq: 14 May 2024 18:38

Tgt Ion:276 Resp: 216630
Ion Ratio Lower Upper
276 100
277 22.5 18.2 27.4
138 7.8 6.2 9.2

