

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111621\
 Data File : BG051082.D
 Acq On : 17 Nov 2021 1:22
 Operator : CG/JU
 Sample : M4625-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-02-111021

Manual Integrations
 APPROVED

Reviewed By :Jagrut
 Upadhyay

11/17/2021
 Supervised By :mohammad
 ahmed

Quant Time: Nov 17 02:27:43 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 15 03:55:35 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.226	152	53532	20.000	ng	0.00
21) Naphthalene-d8	11.058	136	224122	20.000	ng	# 0.00
39) Acenaphthene-d10	14.854	164	139547	20.000	ng	0.00
64) Phenanthrene-d10	17.609	188	263992	20.000	ng	# 0.00
76) Chrysene-d12	21.916	240	225455	20.000	ng	# 0.02
86) Perylene-d12	25.341	264	187116	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.764	112	113805	31.802	ng	0.00
7) Phenol-d6	7.374	99	156359	30.956	ng	0.00
23) Nitrobenzene-d5	9.401	82	111276	21.978	ng	0.00
42) 2,4,6-Tribromophenol	16.346	330	43882	31.423	ng	0.00
45) 2-Fluorobiphenyl	13.473	172	225156	25.493	ng	0.00
79) Terphenyl-d14	20.195	244	281285	22.829	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	14.584	152	38627	2.989	ng	95
52) Acenaphthene	14.918	154	29221	3.881	ng	88
55) Dibenzofuran	15.253	168	27414	2.141	ng	96
58) Fluorene	15.900	166	67847	6.787	ng	99
71) Phenanthrene	17.650	178	898250	63.789	ng	99
72) Anthracene	17.739	178	300645	21.467	ng	99
73) Carbazole	18.009	167	34828	2.511	ng	# 93
75) Fluoranthene	19.660	202	1928157	111.610	ng	89
78) Pyrene	20.018	202	1615450	95.512	ng	# 90
81) Benzo(a)anthracene	21.898	228	1132124	73.131	ng	96
83) Chrysene	21.969	228	991166m	67.870	ng	
87) Indeno(1,2,3-cd)pyrene	29.290	276	274241	20.649	ng	# 89
88) Benzo(b)fluoranthene	24.260	252	1063125	90.262	ng	# 91
89) Benzo(k)fluoranthene	24.319	252	514855m	43.828	ng	
90) Benzo(a)pyrene	25.183	252	819314	81.480	ng	# 93
91) Dibenzo(a,h)anthracene	29.325	278	71211	6.512	ng	# 79
92) Benzo(g,h,i)perylene	30.530	276	233738	21.721	ng	# 93

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

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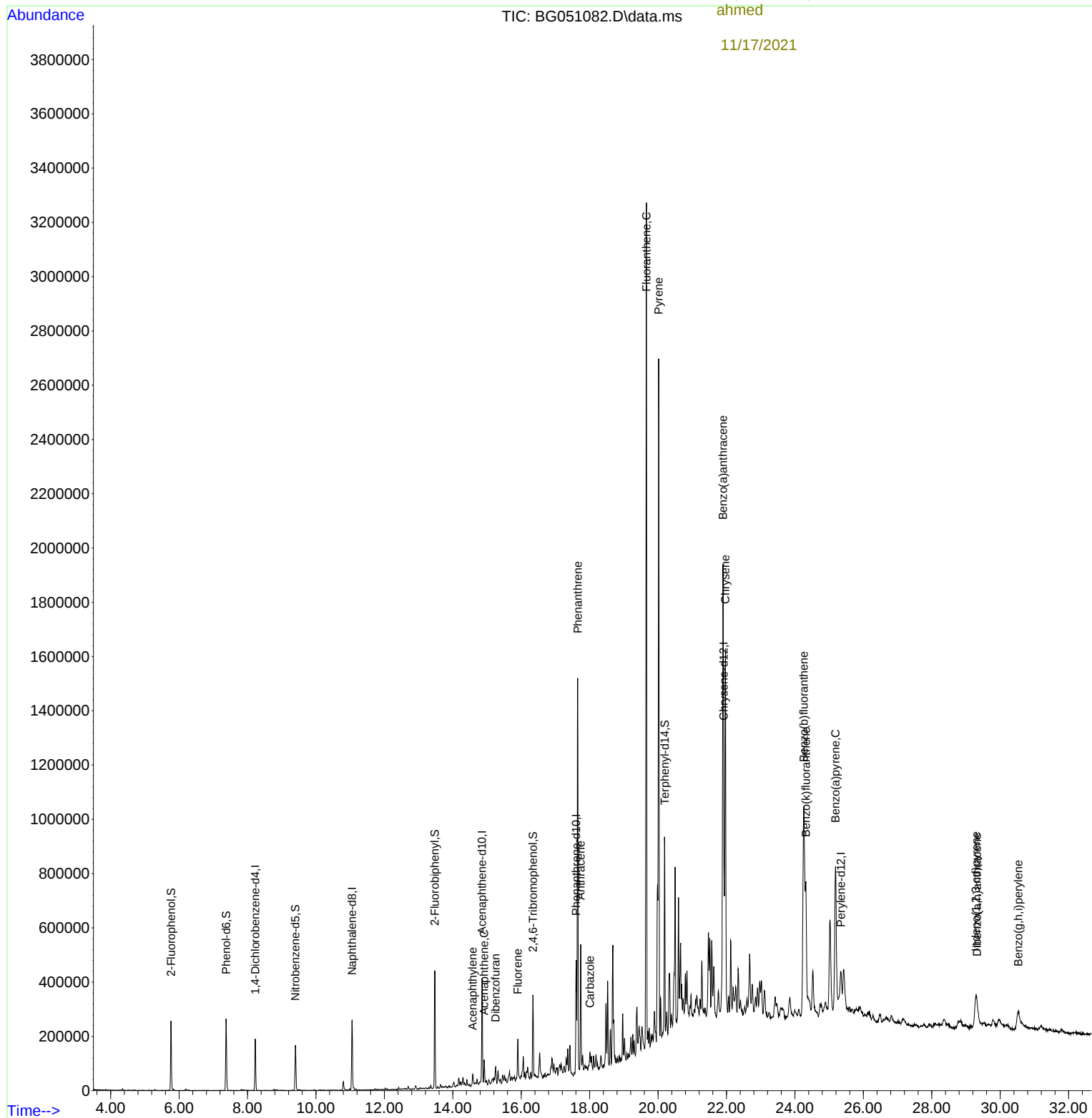
Quant Time: Nov 17 02:27:43 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 15 03:55:35 2021
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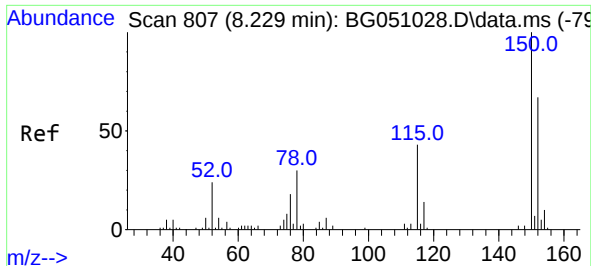
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ahmed

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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.226 min Scan# 806
Delta R.T. -0.003 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

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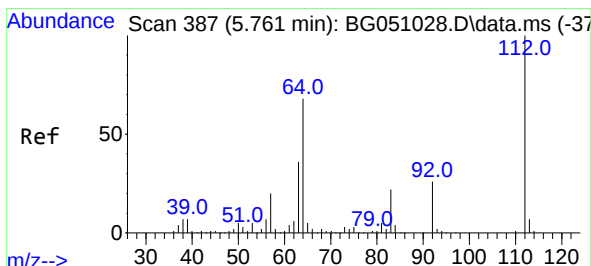
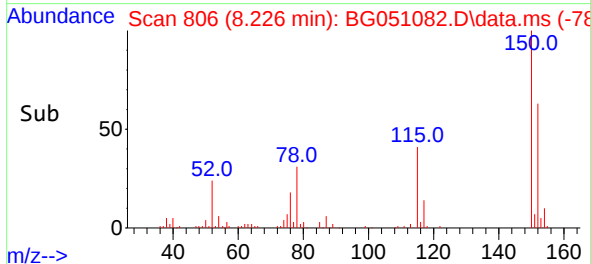
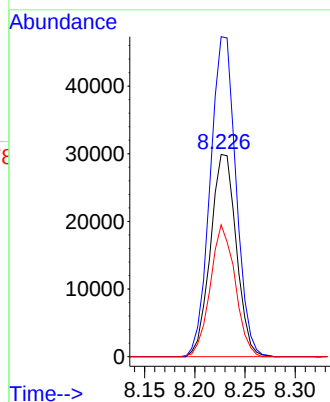
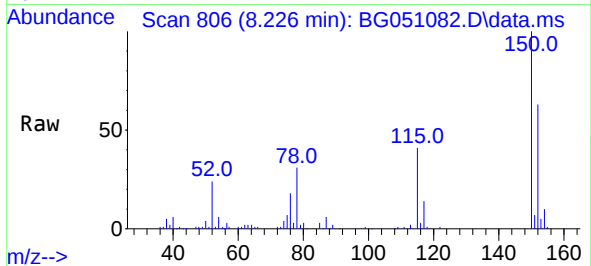
Tgt Ion:152 Resp: 5353
Ion Ratio Lower Upper
152 100
150 158.2 119.4 179.0
115 65.2 60.2 90.4

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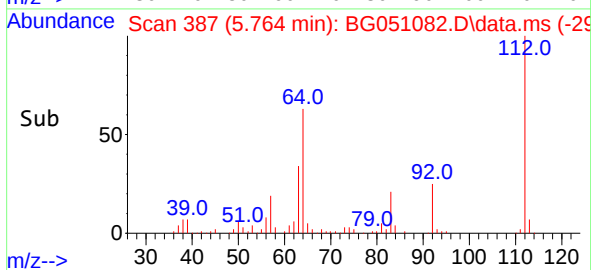
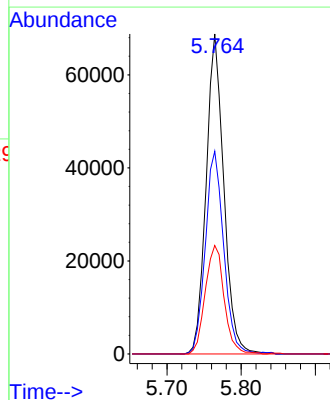
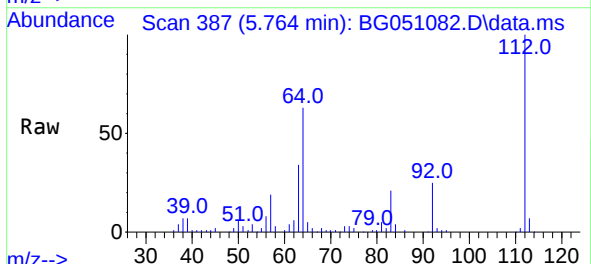
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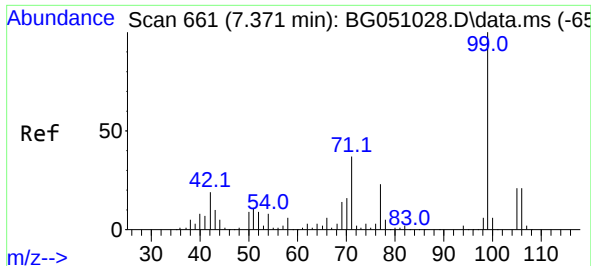
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#5
2-Fluorophenol
Concen: 31.802 ng
RT: 5.764 min Scan# 387
Delta R.T. 0.003 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

Tgt Ion:112 Resp: 113805
Ion Ratio Lower Upper
112 100
64 63.4 46.7 70.1
63 33.9 35.3 52.9





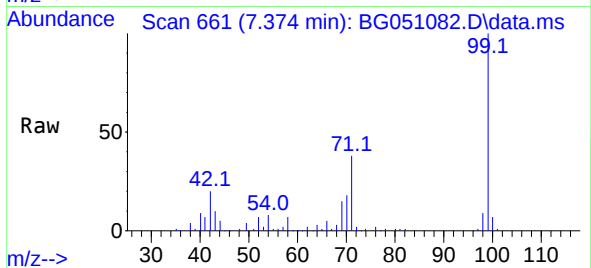
#7
Phenol-d6
Concen: 30.956 ng
RT: 7.374 min Scan# 661
Delta R.T. 0.003 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

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Tgt Ion: 99 Resp: 156359
Ion Ratio Lower Upper
99 100
42 19.6 20.5 30.7
71 37.7 41.5 62.3

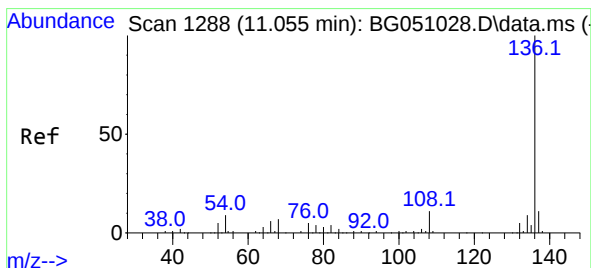
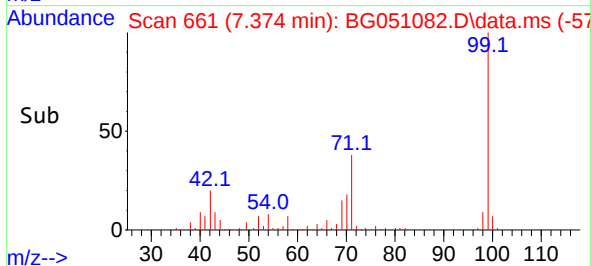
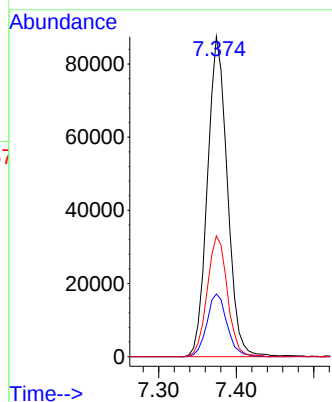
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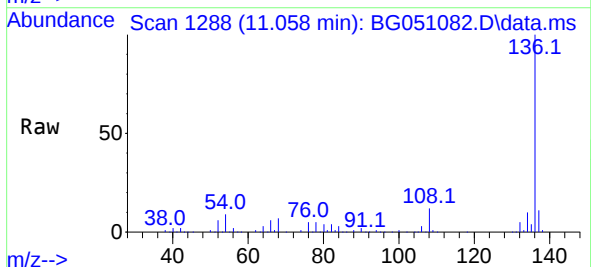
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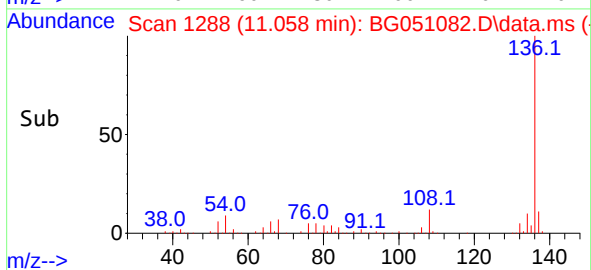
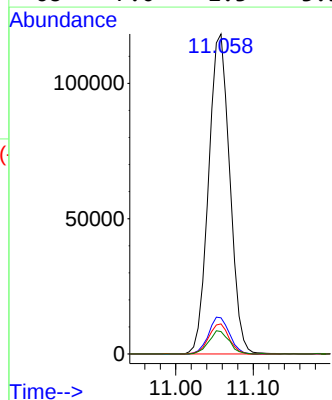
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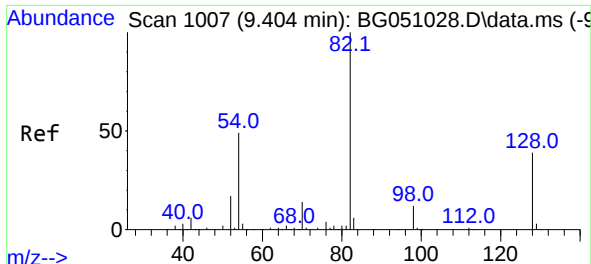


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.058 min Scan# 1288
Delta R.T. 0.004 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22



Tgt Ion:136 Resp: 224122
Ion Ratio Lower Upper
136 100
137 11.3 8.2 12.2
54 9.4 5.5 8.3#
68 7.0 2.3 3.5#





#23
Nitrobenzene-d5
Concen: 21.978 ng
RT: 9.401 min Scan# 111270
Delta R.T. -0.003 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

Instrument :

BNA_G

ClientSampleId :

SU-02-111021

Tgt Ion: 82 Resp: 111270
Ion Ratio Lower Upper
82 100
128 37.7 29.8 44.6
54 48.0 45.8 68.8

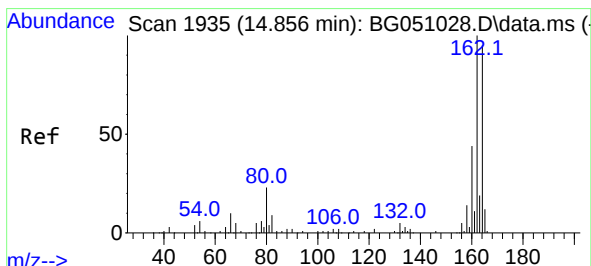
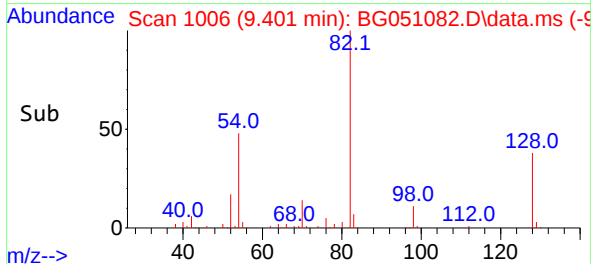
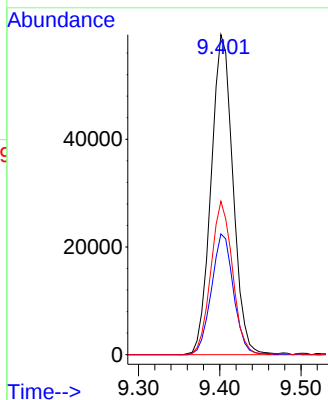
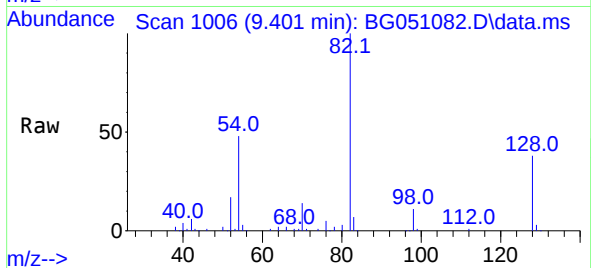
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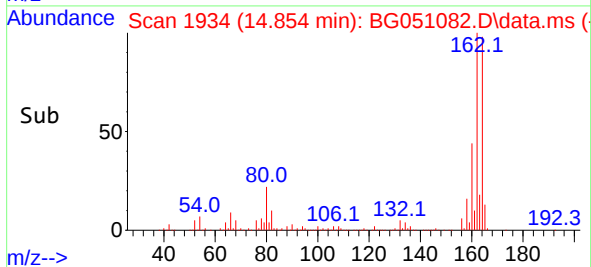
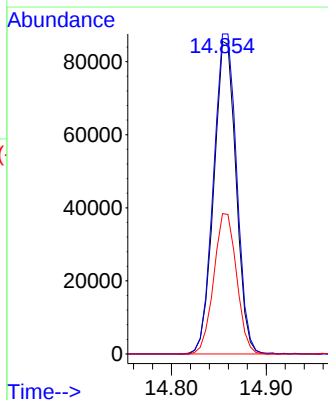
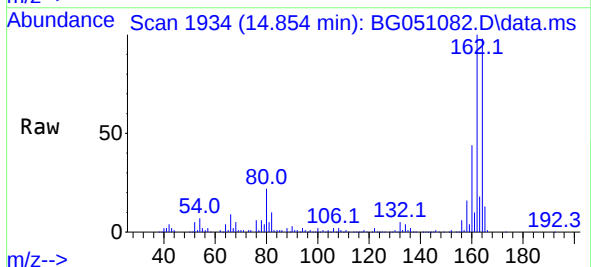
Supervised By :mohammad
ahmed

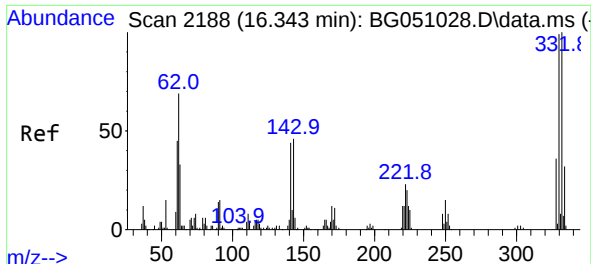
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.854 min Scan# 1934
Delta R.T. -0.002 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

Tgt Ion:164 Resp: 139547
Ion Ratio Lower Upper
164 100
162 102.4 81.4 122.0
160 44.9 34.9 52.3





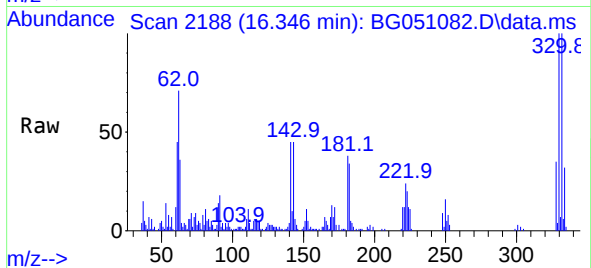
#42
2,4,6-Tribromophenol
Concen: 31.423 ng
RT: 16.346 min Scan# 2188
Delta R.T. 0.003 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

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Tgt Ion:330 Resp: 4388
Ion Ratio Lower Upper
330 100
332 98.5 77.3 115.9
141 45.5 35.6 53.4

Manual Integrations

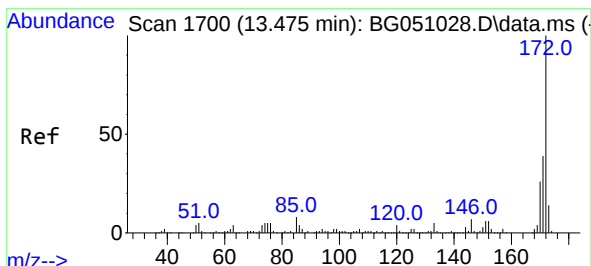
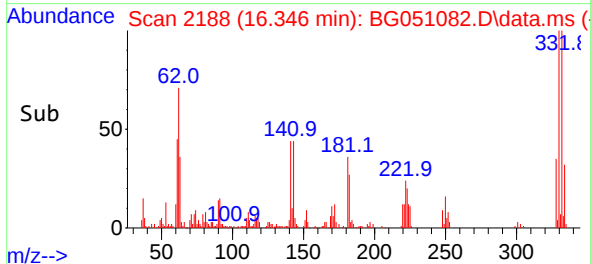
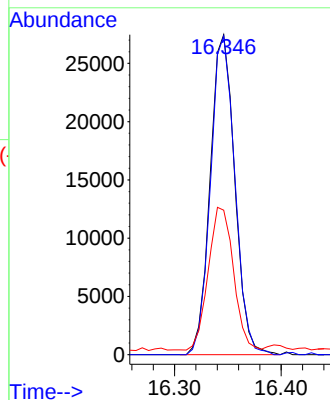
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Upadhyay

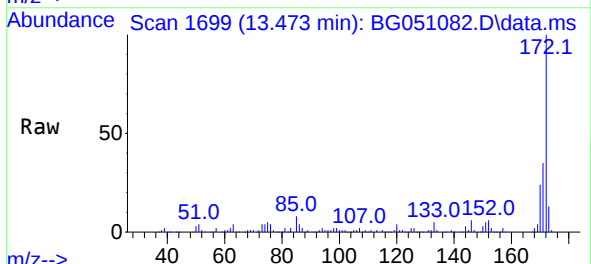
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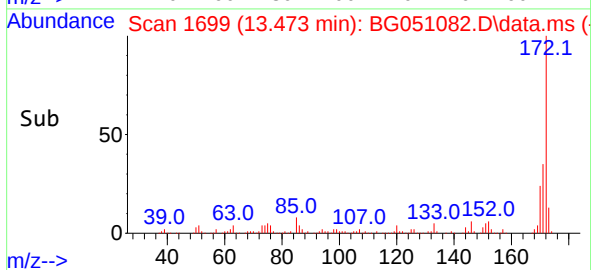
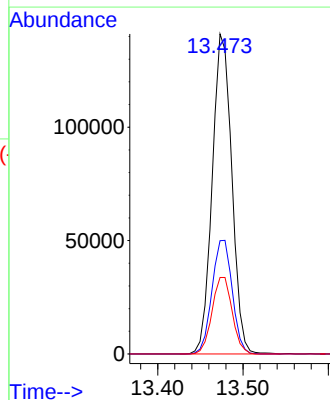
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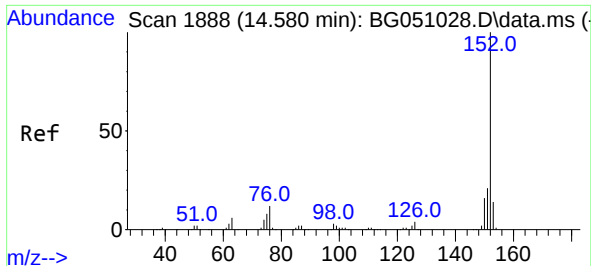


#45
2-Fluorobiphenyl
Concen: 25.493 ng
RT: 13.473 min Scan# 1699
Delta R.T. -0.002 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22



Tgt Ion:172 Resp: 225156
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 23.9 18.6 27.8





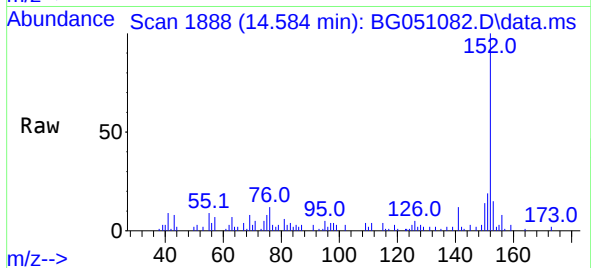
#49
Acenaphthylene
Concen: 2.989 ng
RT: 14.584 min Scan# 1888
Delta R.T. 0.004 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

Instrument :

BNA_G

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SU-02-111021



Tgt Ion:152 Resp: 3862
Ion Ratio Lower Upper
152 100
151 19.5 18.2 27.4
153 15.1 11.7 17.5

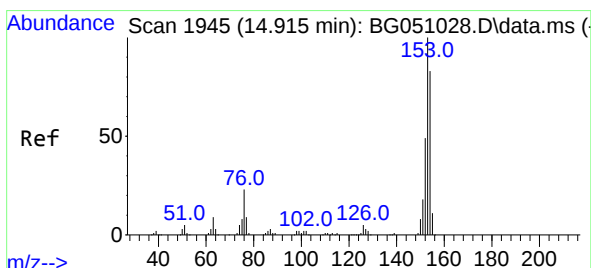
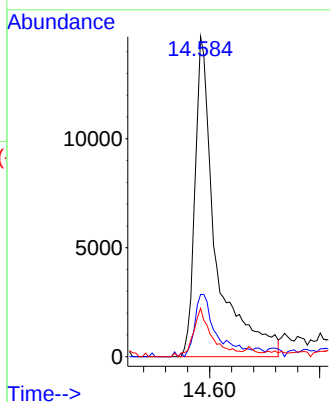
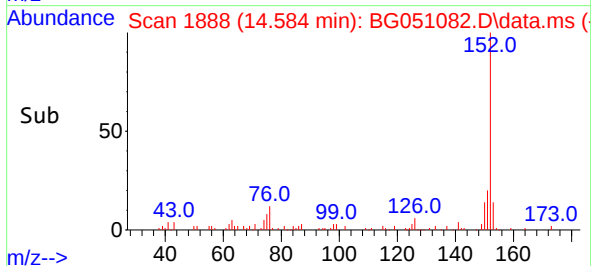
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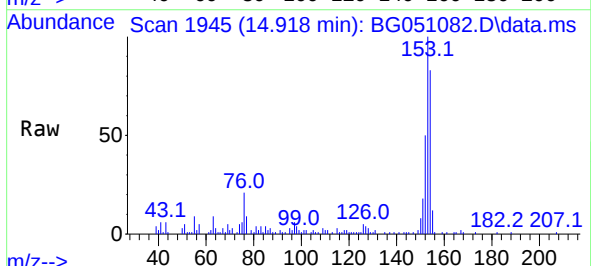
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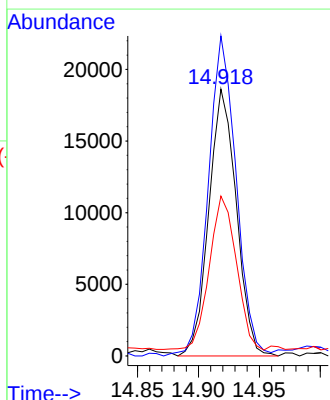
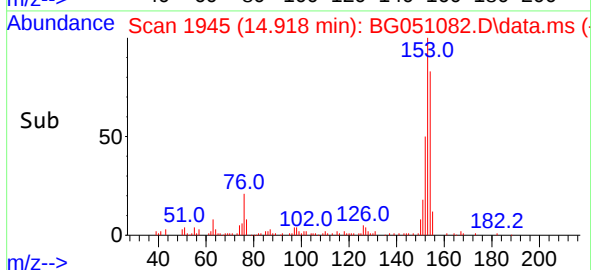
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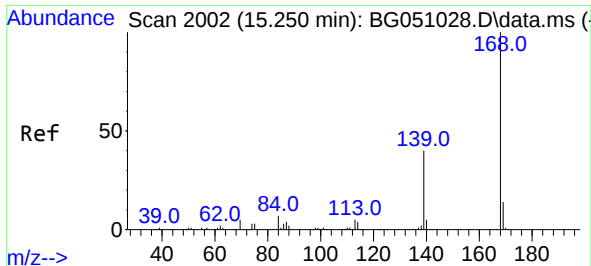


#52
Acenaphthene
Concen: 3.881 ng
RT: 14.918 min Scan# 1945
Delta R.T. 0.004 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22



Tgt Ion:154 Resp: 29221
Ion Ratio Lower Upper
154 100
153 119.9 87.0 130.4
152 59.9 40.1 60.1





#55
Dibenzenofuran
Concen: 2.141 ng
RT: 15.253 min Scan# 2002
Delta R.T. 0.004 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

Instrument :

BNA_G

ClientSampleId :

SU-02-111021

Tgt Ion:168 Resp: 27414
Ion Ratio Lower Upper
168 100
139 39.7 33.4 50.2
169 17.9 12.3 18.5

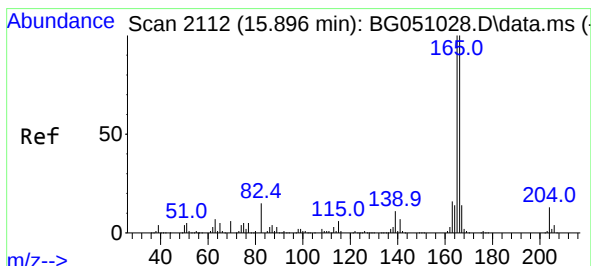
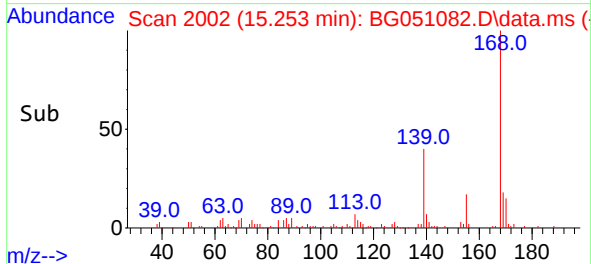
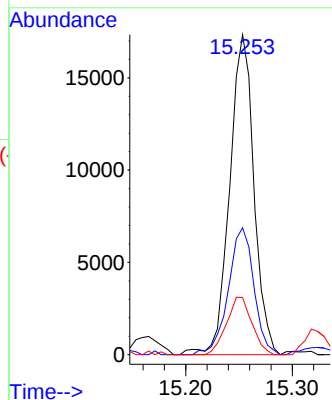
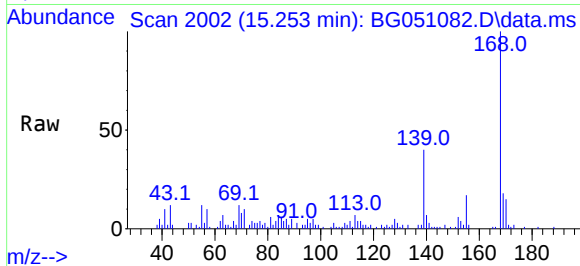
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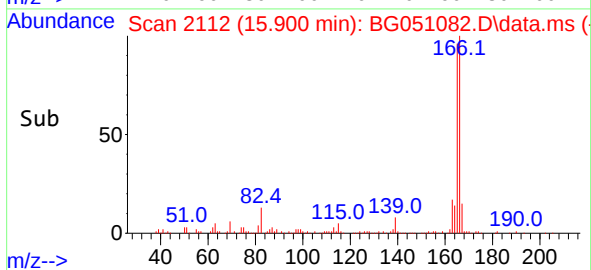
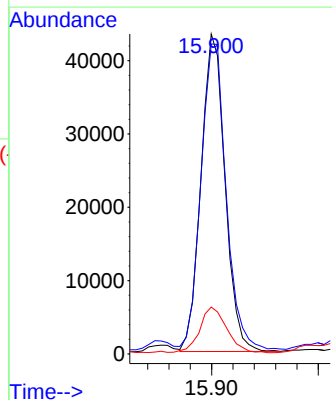
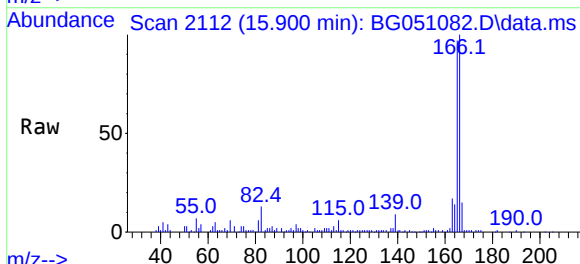
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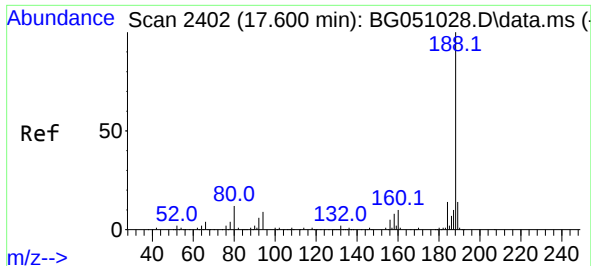
11/17/2021



#58
Fluorene
Concen: 6.787 ng
RT: 15.900 min Scan# 2112
Delta R.T. 0.004 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

Tgt Ion:166 Resp: 67847
Ion Ratio Lower Upper
166 100
165 96.9 77.7 116.5
167 14.6 10.8 16.2





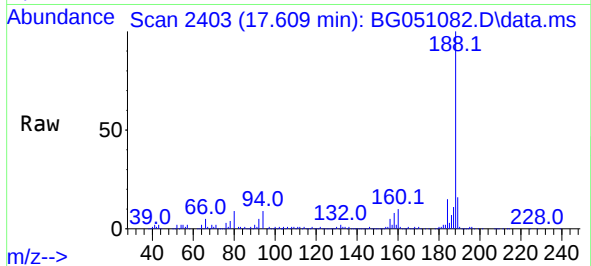
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.609 min Scan# 2402
Delta R.T. 0.009 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

Instrument :

BNA_G

ClientSampleId :

SU-02-111021



Tgt Ion:188 Resp: 263992
Ion Ratio Lower Upper
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94 9.1 5.4 8.0
80 9.5 3.7 5.5

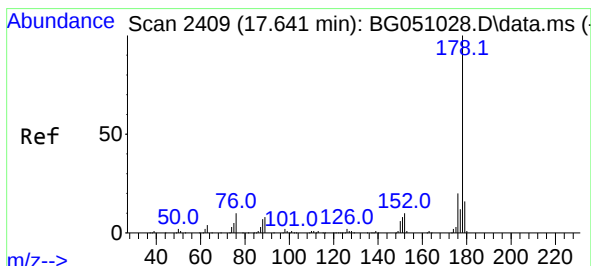
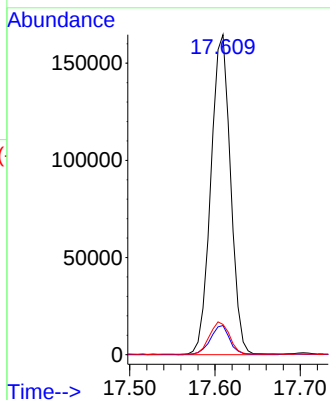
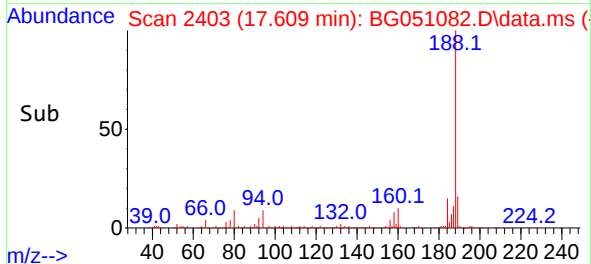
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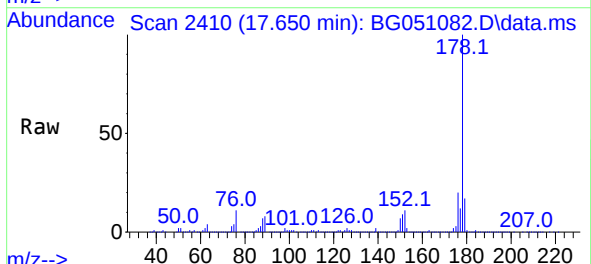
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ahmed

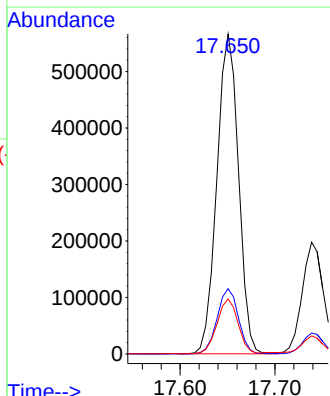
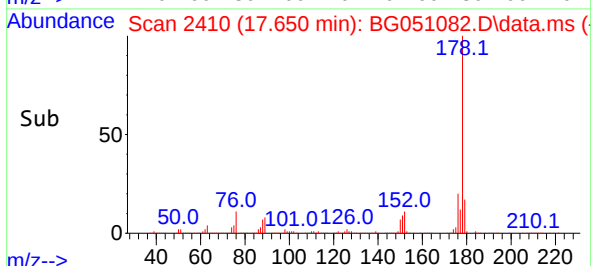
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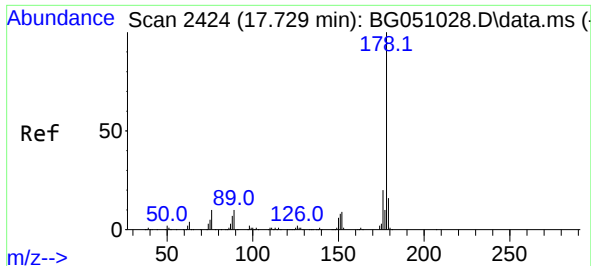


#71
Phenanthrene
Concen: 63.789 ng
RT: 17.650 min Scan# 2410
Delta R.T. 0.009 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22



Tgt Ion:178 Resp: 898250
Ion Ratio Lower Upper
178 100
176 20.4 16.0 24.0
179 17.2 14.2 21.4





#72
 Anthracene
 Concen: 21.467 ng
 RT: 17.739 min Scan# 2424
 Delta R.T. 0.009 min
 Lab File: BG051082.D
 Acq: 17 Nov 2021 1:22

Instrument :

BNA_G

ClientSampleId :

SU-02-111021

Tgt Ion:178 Resp: 30064
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.6 21.8
 179 16.2 13.4 20.0

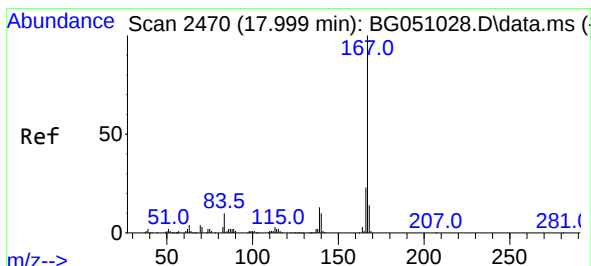
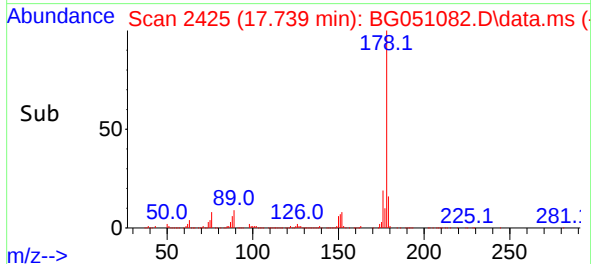
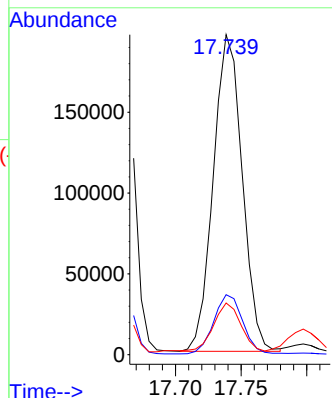
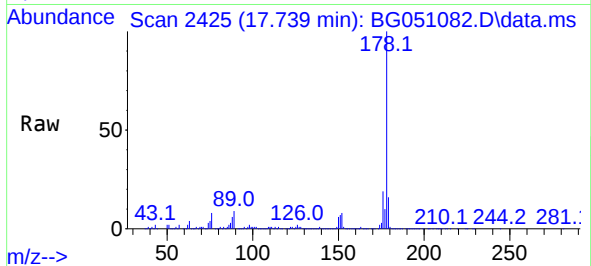
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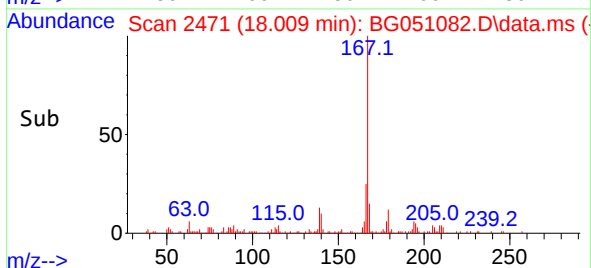
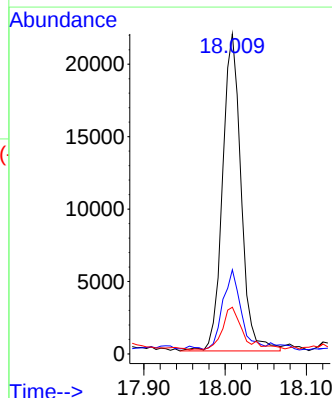
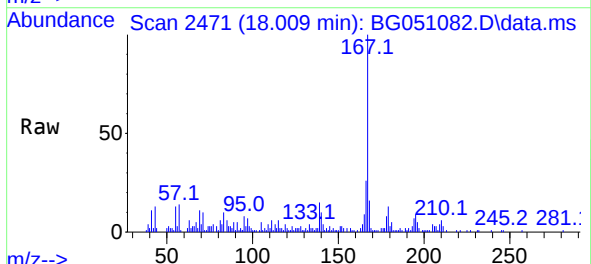
Supervised By :mohammad
 ahmed

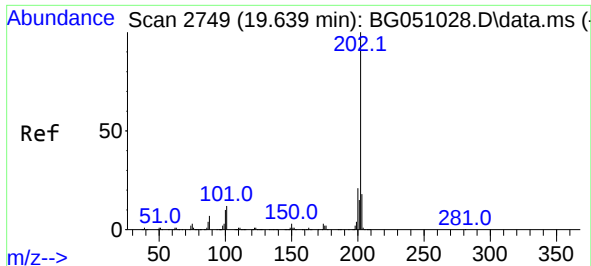
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#73
 Carbazole
 Concen: 2.511 ng
 RT: 18.009 min Scan# 2471
 Delta R.T. 0.009 min
 Lab File: BG051082.D
 Acq: 17 Nov 2021 1:22

Tgt Ion:167 Resp: 34828
 Ion Ratio Lower Upper
 167 100
 166 26.3 17.4 26.2#
 139 14.6 10.7 16.1





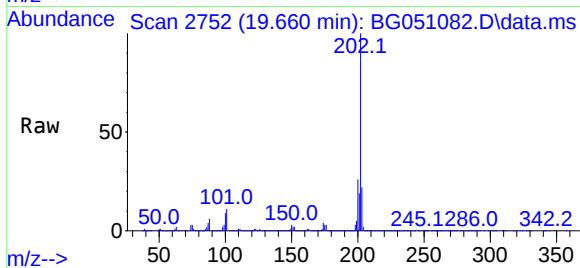
#75
Fluoranthene
Concen: 111.610 ng
RT: 19.660 min Scan# 21
Delta R.T. 0.021 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

Instrument :

BNA_G

ClientSampleId :

SU-02-111021



Tgt Ion:202 Resp: 192815
Ion Ratio Lower Upper
202 100
101 11.2 0.0 24.7
203 22.5 0.0 38.5

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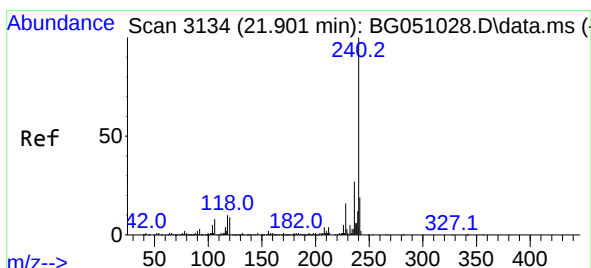
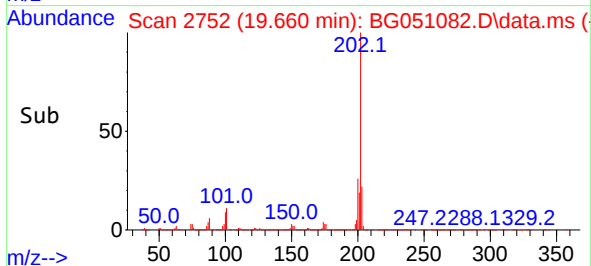
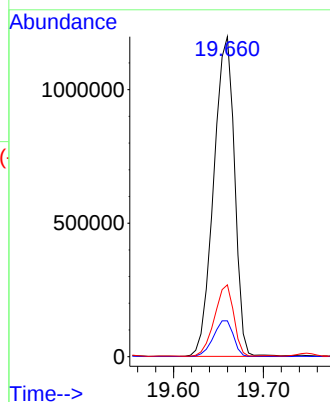
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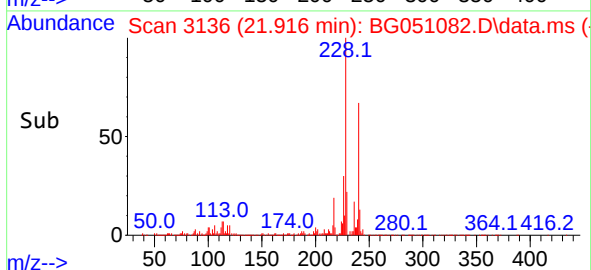
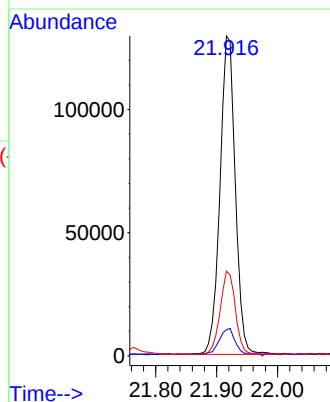
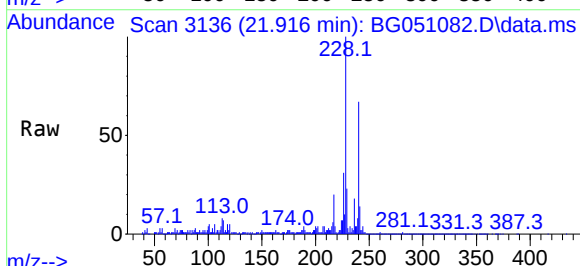
Supervised By :mohammad
ahmed

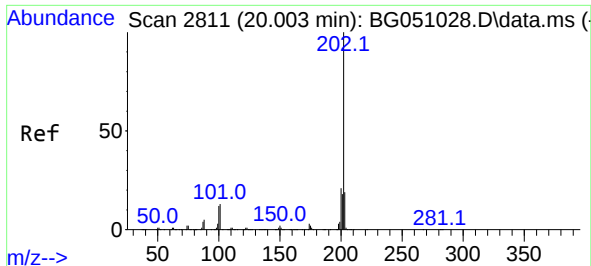
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.916 min Scan# 3136
Delta R.T. 0.015 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

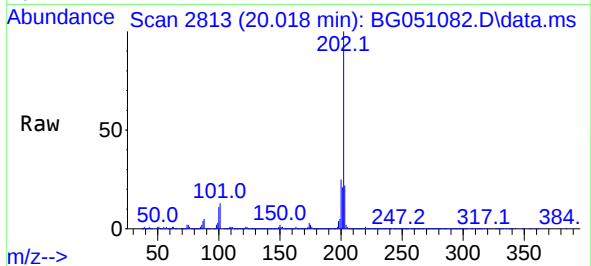
Tgt Ion:240 Resp: 225455
Ion Ratio Lower Upper
240 100
120 8.2 4.2 6.2#
236 26.5 21.8 32.6





#78
Pyrene
Concen: 95.512 ng
RT: 20.018 min Scan# 2813
Delta R.T. 0.015 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

Instrument :
BNA_G
ClientSampleId :
SU-02-111021



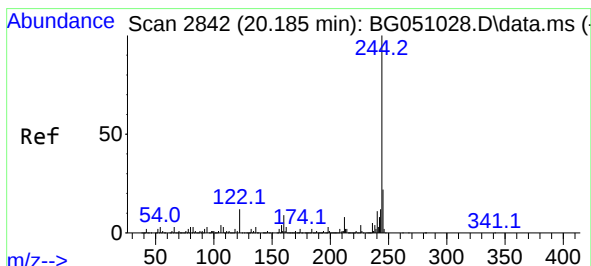
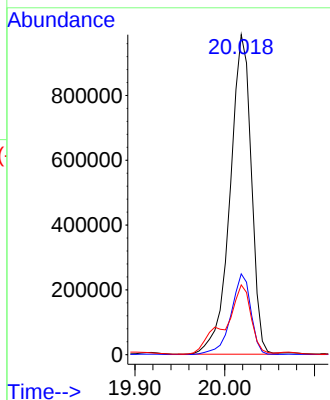
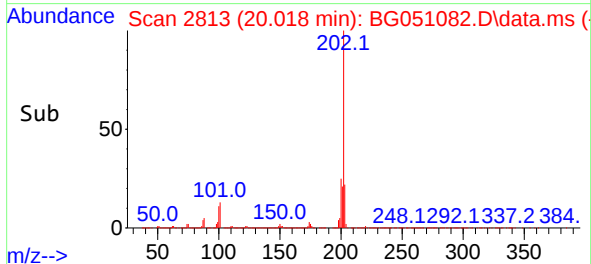
Tgt Ion:202 Resp: 1615450
Ion Ratio Lower Upper
202 100
200 25.3 15.8 23.8
203 21.8 14.6 21.8

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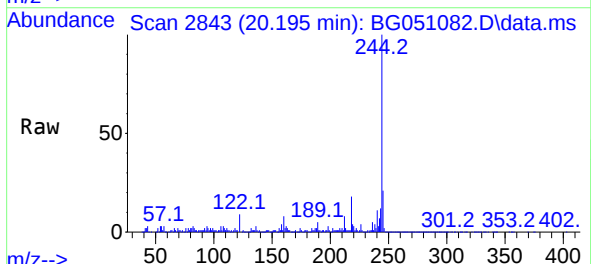
Reviewed By :Jagrut
Upadhyay

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Supervised By :mohammad
ahmed

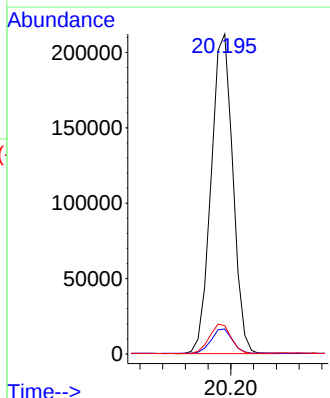
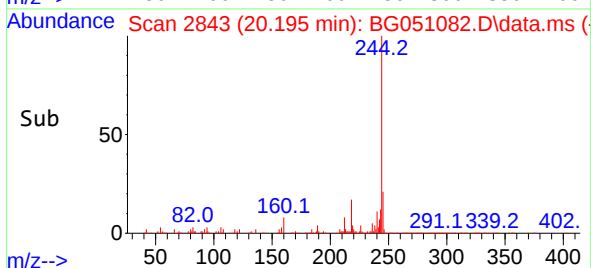
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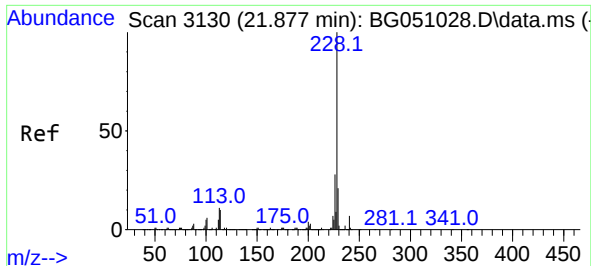


#79
Terphenyl-d14
Concen: 22.829 ng
RT: 20.195 min Scan# 2843
Delta R.T. 0.010 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22



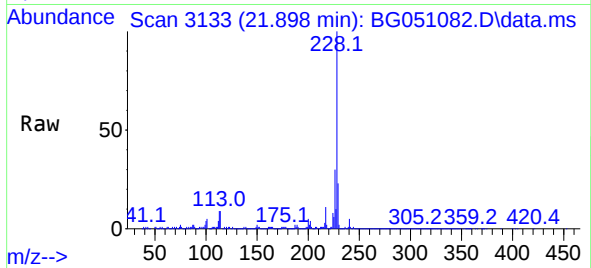
Tgt Ion:244 Resp: 281285
Ion Ratio Lower Upper
244 100
212 7.8 6.9 10.3
122 8.8 5.0 7.6





#81
Benzo(a)anthracene
Concen: 73.131 ng
RT: 21.898 min Scan# 3133
Delta R.T. 0.021 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

Instrument :
BNA_G
ClientSampleId :
SU-02-111021



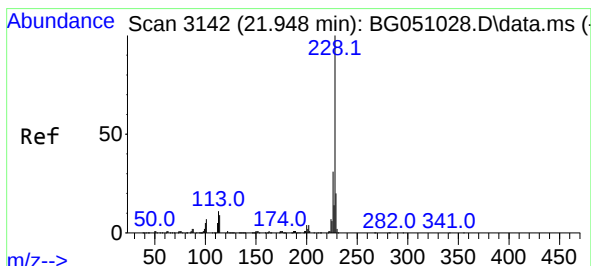
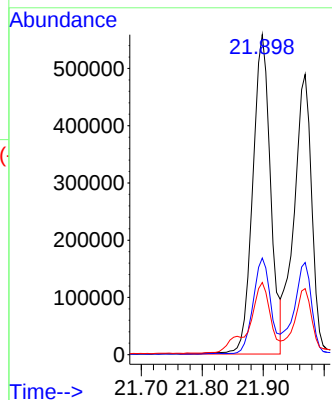
Tgt Ion:228 Resp: 1132124
Ion Ratio Lower Upper
228 100
226 30.2 22.7 34.1
229 22.5 16.0 24.0

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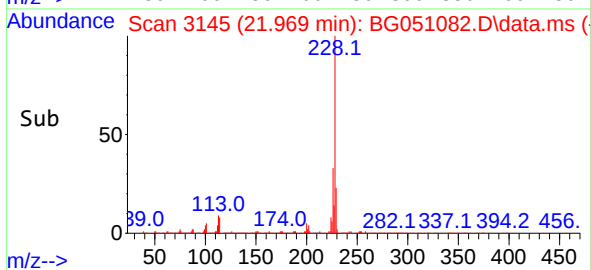
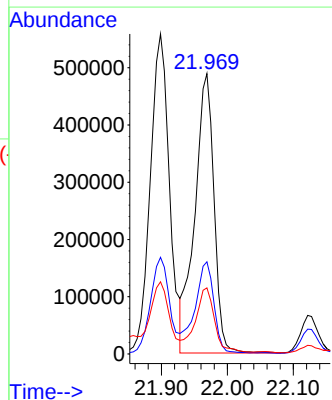
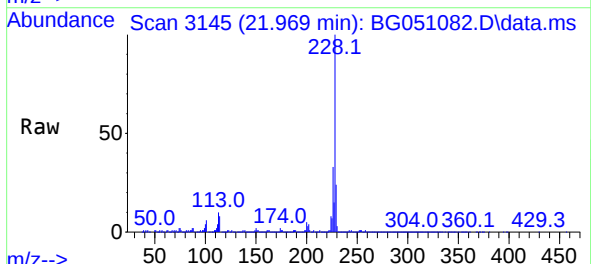
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ahmed

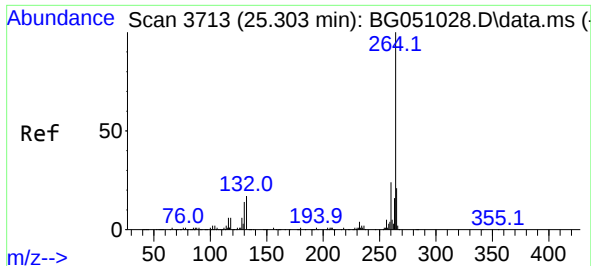
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#83
Chrysene
Concen: 67.870 ng m
RT: 21.969 min Scan# 3145
Delta R.T. 0.021 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

Tgt Ion:228 Resp: 991166
Ion Ratio Lower Upper
228 100
226 32.9 23.1 34.7
229 23.6 15.3 22.9#





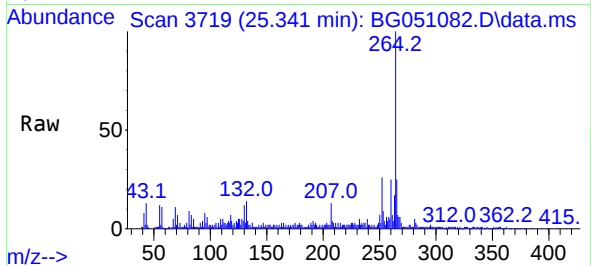
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.341 min Scan# 3713
Delta R.T. 0.039 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

Instrument :

BNA_G

ClientSampleId :

SU-02-111021



Tgt Ion:264 Resp: 187110
Ion Ratio Lower Upper
264 100
260 25.0 19.4 29.2
265 24.9 16.9 25.3

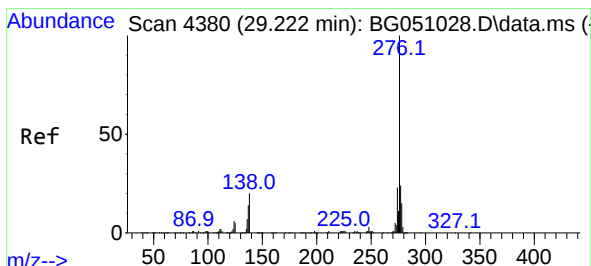
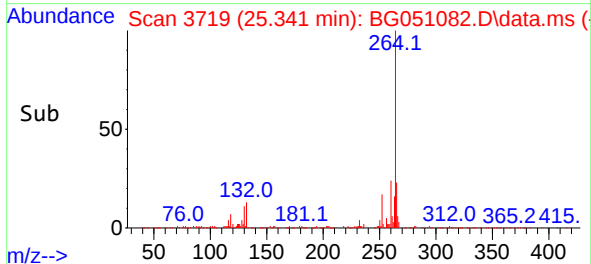
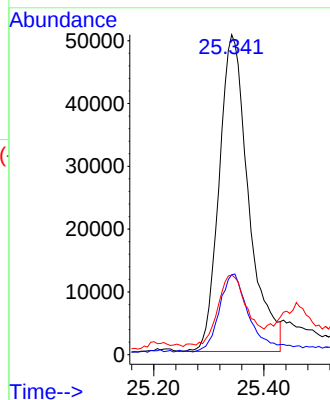
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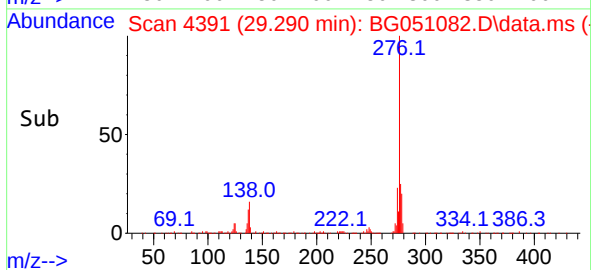
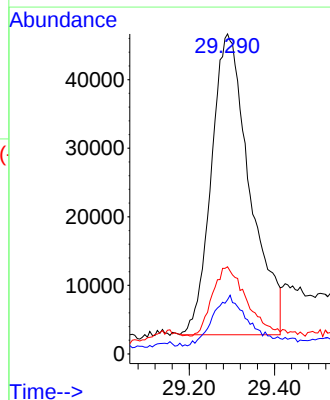
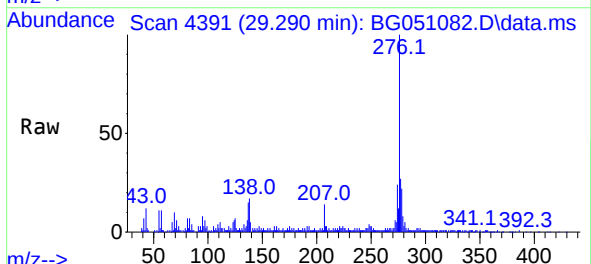
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ahmed

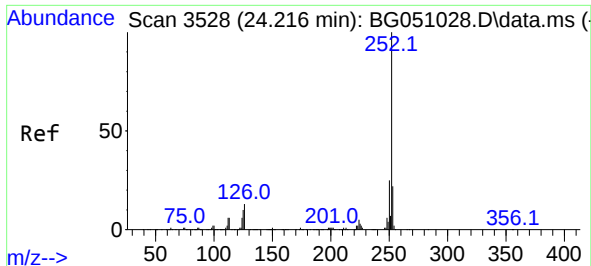
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#87
Indeno(1,2,3-cd)pyrene
Concen: 20.649 ng
RT: 29.290 min Scan# 4391
Delta R.T. 0.068 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

Tgt Ion:276 Resp: 274241
Ion Ratio Lower Upper
276 100
138 15.3 5.1 7.7#
277 21.0 19.8 29.6





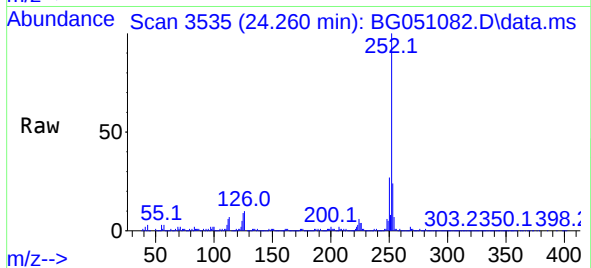
#88
Benzo(b)fluoranthene
Concen: 90.262 ng
RT: 24.260 min Scan# 3535
Delta R.T. 0.045 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

Instrument :

BNA_G

ClientSampleId :

SU-02-111021



Tgt Ion:252 Resp: 106312
Ion Ratio Lower Upper
252 100
253 23.9 16.2 24.4
125 9.4 3.0 4.4

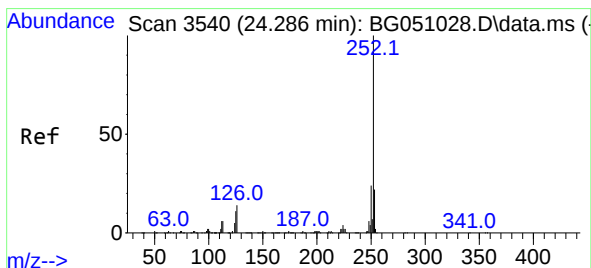
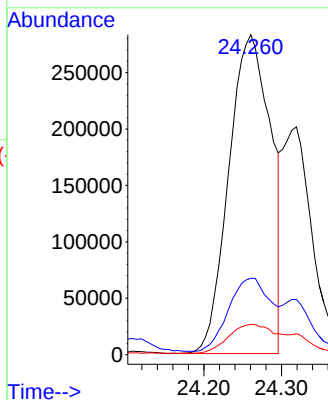
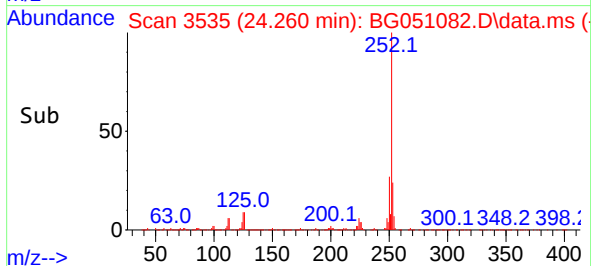
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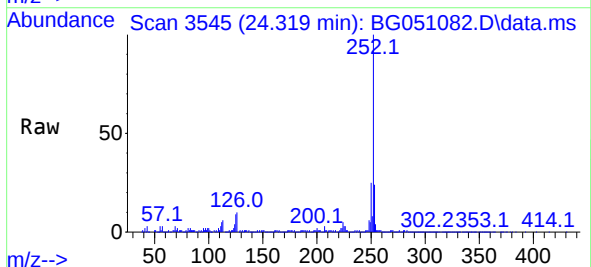
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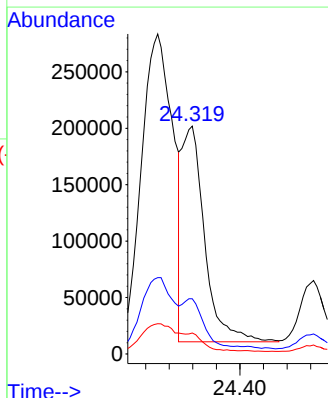
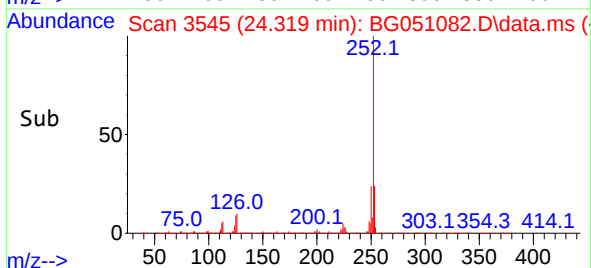
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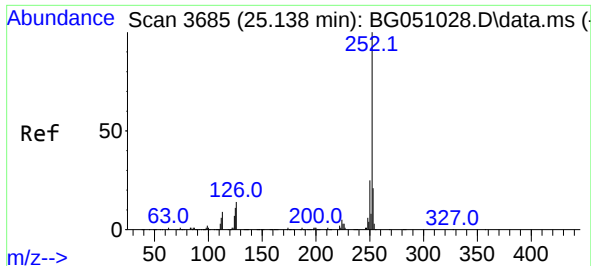


#89
Benzo(k)fluoranthene
Concen: 43.828 ng m
RT: 24.319 min Scan# 3545
Delta R.T. 0.033 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22



Tgt Ion:252 Resp: 514855
Ion Ratio Lower Upper
252 100
253 24.3 18.0 27.0
125 9.2 3.1 4.7





#90
Benzo(a)pyrene
Concen: 81.480 ng
RT: 25.183 min Scan# 3692
Delta R.T. 0.045 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

Instrument :

BNA_G

ClientSampleId :

SU-02-111021

Tgt Ion:252 Resp: 819314
Ion Ratio Lower Upper
252 100
253 23.3 16.6 25.0
125 8.9 3.5 5.3

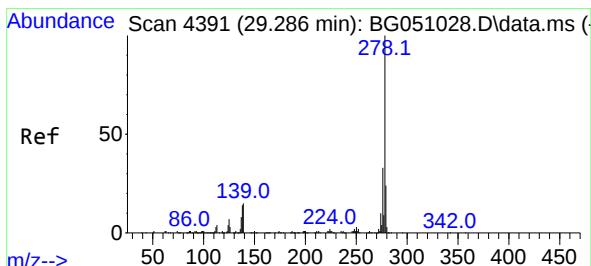
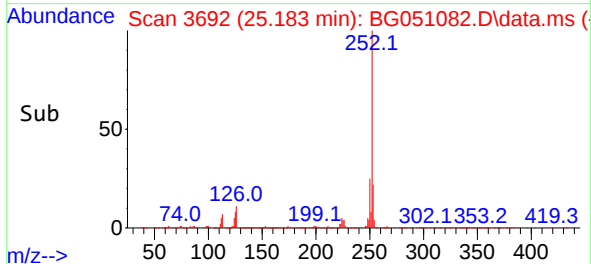
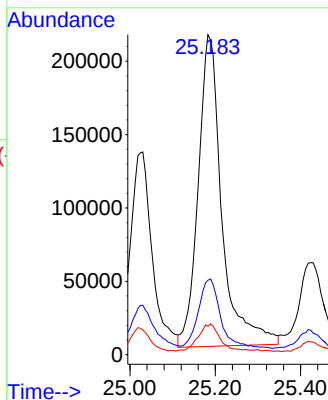
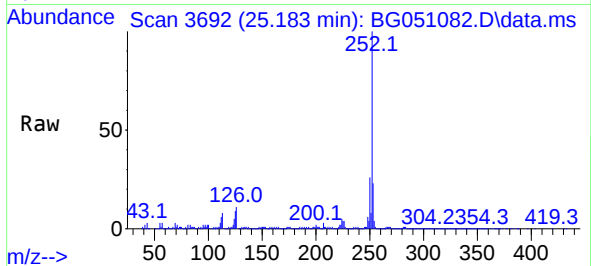
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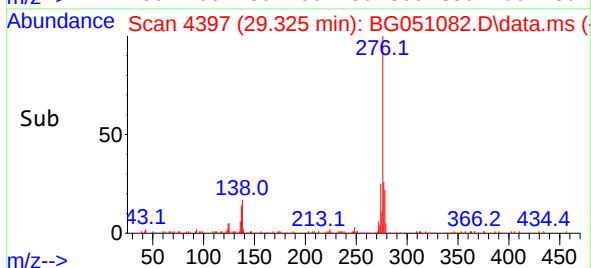
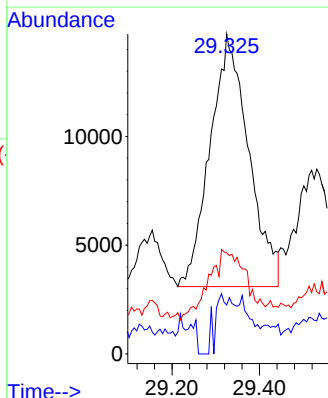
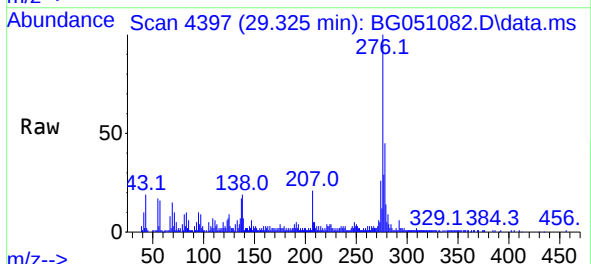
Supervised By :mohammad
ahmed

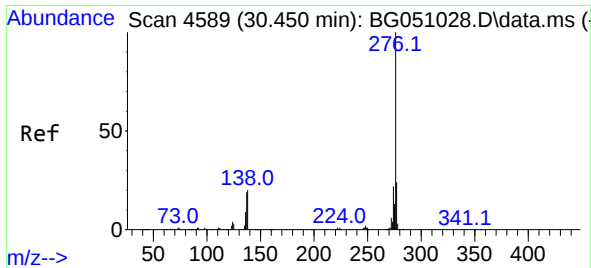
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#91
Dibenzo(a,h)anthracene
Concen: 6.512 ng
RT: 29.325 min Scan# 4397
Delta R.T. 0.039 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

Tgt Ion:278 Resp: 71211
Ion Ratio Lower Upper
278 100
139 15.3 4.6 6.8#
279 31.6 17.9 26.9#





#92
Benzo(g,h,i)perylene
Concen: 21.721 ng
RT: 30.530 min Scan# 4602
Delta R.T. 0.080 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

Instrument :
BNA_G
ClientSampleId :
SU-02-111021

Tgt Ion:276 Resp: 233738
Ion Ratio Lower Upper
276 100
277 23.9 18.4 27.6
138 15.7 7.0 10.6

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Upadhyay

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Supervised By :mohammad
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11/17/2021

