

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112723\
 Data File : BG059907.D
 Acq On : 27 Nov 2023 19:12
 Operator : MA/JU
 Sample : 05446-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JC-03-111523B

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

Quant Time: Nov 27 23:14:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 27 13:17:45 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							11/28/2023
1) 1,4-Dichlorobenzene-d4	8.306	152	32464	20.000	ng	0.00	Supervised By :mohammad Ahmed
21) Naphthalene-d8	11.156	136	138570	20.000	ng	# 0.00	
39) Acenaphthene-d10	14.940	164	82996	20.000	ng	0.00	
64) Phenanthrene-d10	17.689	188	162741	20.000	ng	# 0.00	
76) Chrysene-d12	22.014	240	136483	20.000	ng	# 0.00	
86) Perylene-d12	25.574	264	165613	20.000	ng	0.00	11/28/2023
System Monitoring Compounds							
5) 2-Fluorophenol	5.803	112	142577	73.921	ng	0.00	
7) Phenol-d6	7.437	99	209252	73.210	ng	0.00	
23) Nitrobenzene-d5	9.511	82	190034	52.376	ng	0.00	
42) 2,4,6-Tribromophenol	16.426	330	77875	82.697	ng	0.00	
45) 2-Fluorobiphenyl	13.559	172	346464	56.190	ng	0.00	
79) Terphenyl-d14	20.269	244	467740	50.592	ng	0.00	
Target Compounds							Qvalue
31) Naphthalene	11.209	128	165269	23.719	ng	#	93
37) 2-Methylnaphthalene	12.789	142	100477	17.121	ng		84
38) 1-Methylnaphthalene	13.001	142	49009m	9.056	ng		
49) Acenaphthylene	14.669	152	17914	2.347	ng		95
52) Acenaphthene	15.004	154	19195	4.182	ng		96
55) Dibenzofuran	15.333	168	16379	2.164	ng	#	96
58) Fluorene	15.980	166	20283	3.226	ng	#	95
70) Pentachlorophenol	17.313	266	13033	10.469	ng	#	80
71) Phenanthrene	17.730	178	138553	16.745	ng		95
72) Anthracene	17.824	178	42083	4.895	ng	#	87
75) Fluoranthene	19.728	202	221572	22.330	ng		99
78) Pyrene	20.092	202	221455	23.848	ng		95
81) Benzo(a)anthracene	21.990	228	137748	14.751	ng	#	89
83) Chrysene	22.061	228	127969	14.949	ng	#	90
87) Indeno(1,2,3-cd)pyrene	29.705	276	115269m	9.198	ng		
88) Benzo(b)fluoranthene	24.423	252	178471	19.662	ng	#	94
89) Benzo(k)fluoranthene	24.499	252	66814m	7.445	ng		
90) Benzo(a)pyrene	25.410	252	138767	14.324	ng	#	92
91) Dibenzo(a,h)anthracene	29.763	278	35492m	3.348	ng		
92) Benzo(g,h,i)perylene	31.009	276	98484m	9.790	ng		

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

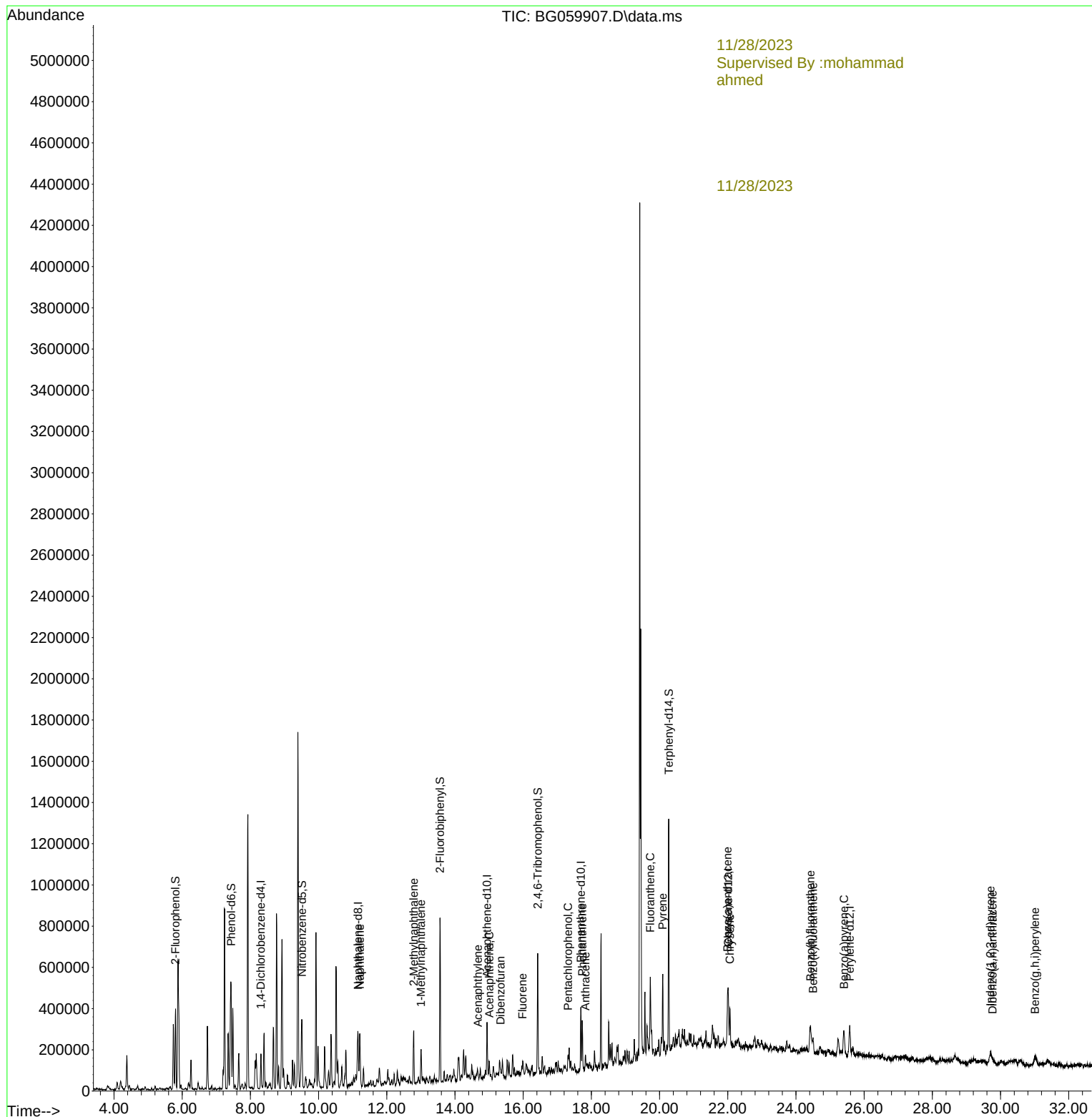
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112723\
Data File : BG059907.D
Acq On : 27 Nov 2023 19:12
Operator : MA/JU
Sample : 05446-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

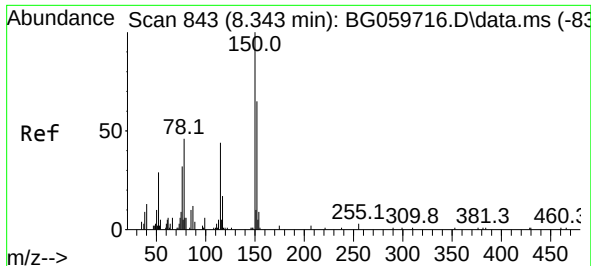
Instrument :
BNA_G
ClientSampleId :
JC-03-111523B

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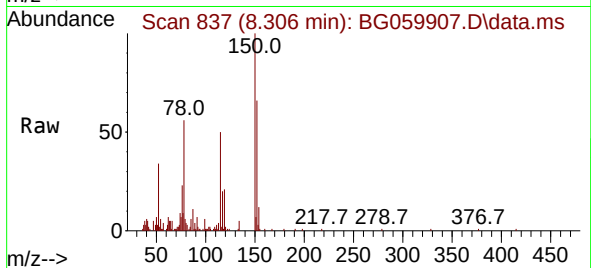
Quant Time: Nov 27 23:14:08 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 27 13:17:45 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.306 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG059907.D
Acq: 27 Nov 2023 19:12

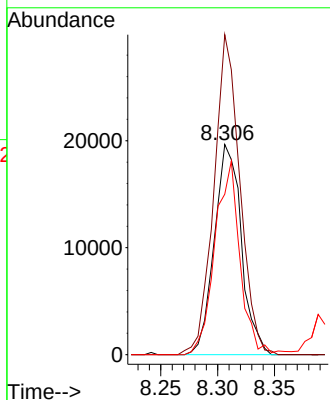
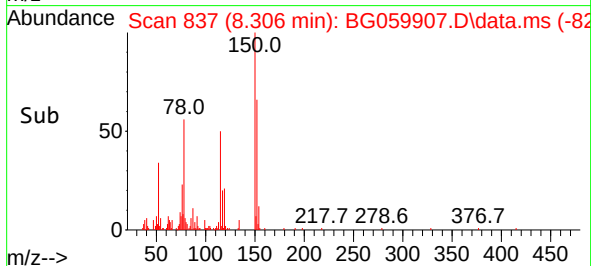
Instrument :
BNA_G
ClientSampleId :
JC-03-111523B



Tgt Ion:152 Resp: 32464
Ion Ratio Lower Upper
152 100
150 152.2 122.2 183.4
115 76.4 54.2 81.4

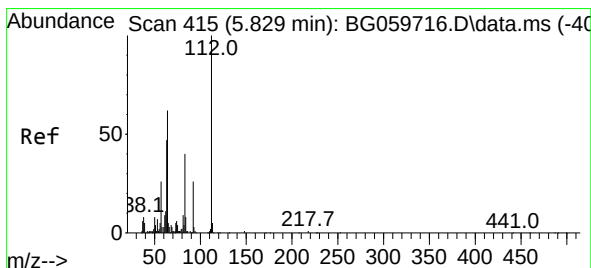
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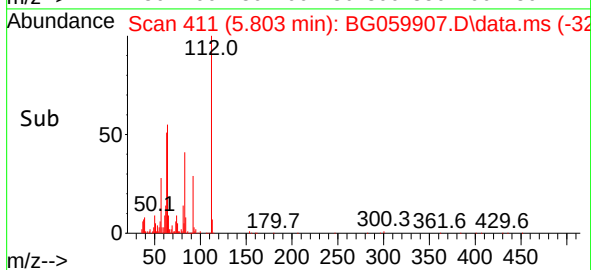
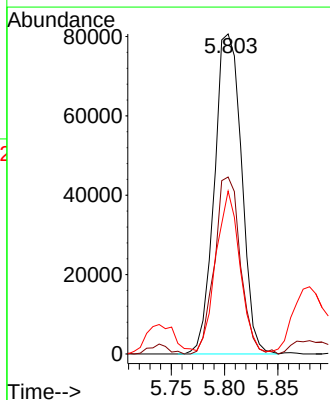
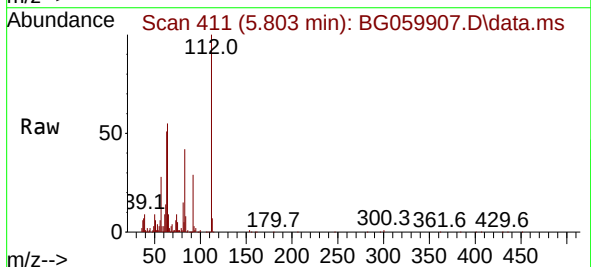
11/28/2023
Supervised By :mohammad
ahmed

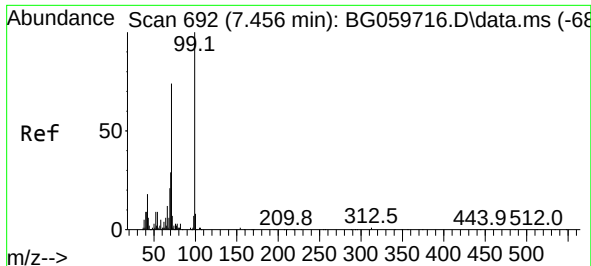
11/28/2023



#5
2-Fluorophenol
Concen: 73.921 ng
RT: 5.803 min Scan# 411
Delta R.T. 0.007 min
Lab File: BG059907.D
Acq: 27 Nov 2023 19:12

Tgt Ion:112 Resp: 142577
Ion Ratio Lower Upper
112 100
64 55.3 49.5 74.3
63 50.9 37.4 56.2





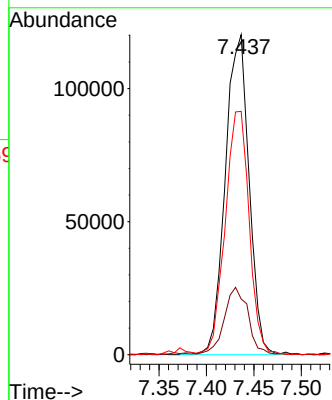
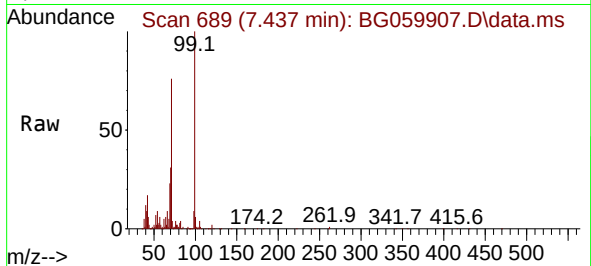
#7
Phenol-d6
Concen: 73.210 ng
RT: 7.437 min Scan# 61
Delta R.T. 0.007 min
Lab File: BG059907.D
Acq: 27 Nov 2023 19:12

Instrument :
BNA_G
ClientSampleId :
JC-03-111523B

Tgt Ion: 99 Resp: 20925
Ion Ratio Lower Upper
99 100
42 17.4 14.3 21.5
71 76.0 59.3 88.9

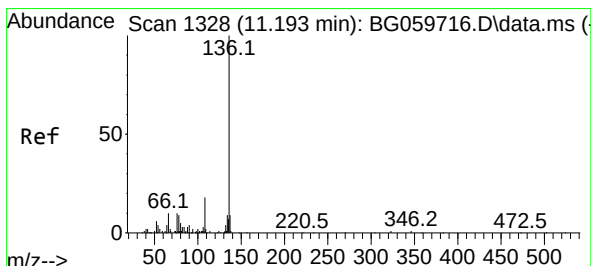
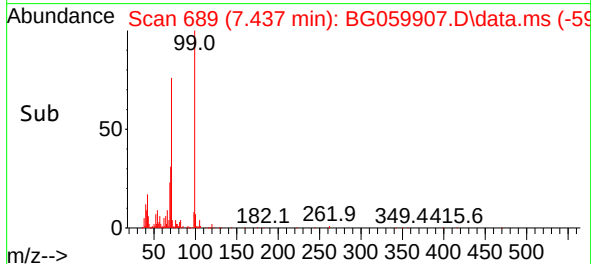
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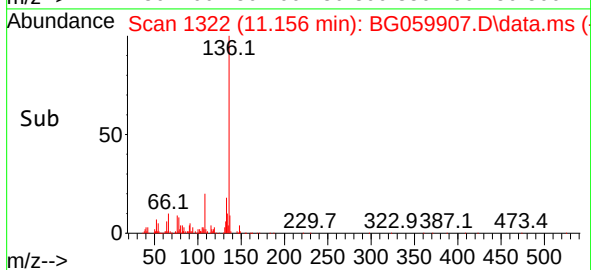
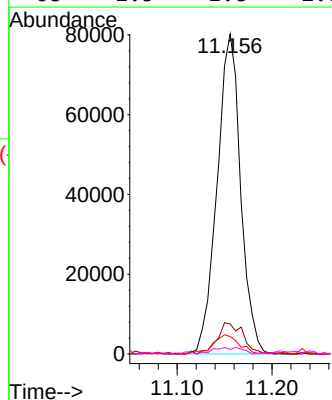
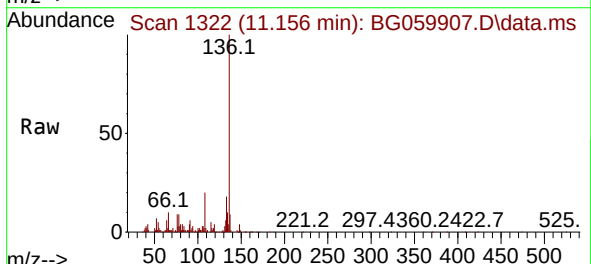
11/28/2023
Supervised By :mohammad
ahmed

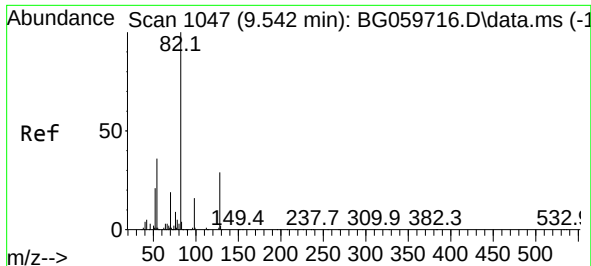
11/28/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.156 min Scan# 1322
Delta R.T. 0.001 min
Lab File: BG059907.D
Acq: 27 Nov 2023 19:12

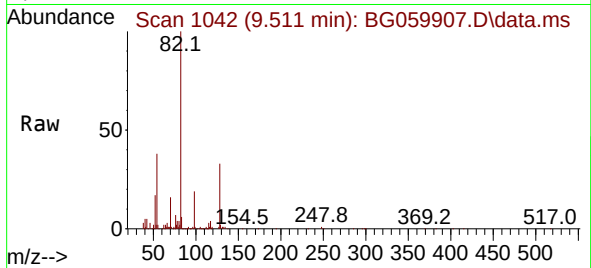
Tgt Ion:136 Resp: 138570
Ion Ratio Lower Upper
136 100
137 9.4 7.4 11.0
54 5.5 3.1 4.7#
68 1.5 1.8 2.8#





#23
Nitrobenzene-d5
Concen: 52.376 ng
RT: 9.511 min Scan# 1042
Delta R.T. 0.001 min
Lab File: BG059907.D
Acq: 27 Nov 2023 19:12

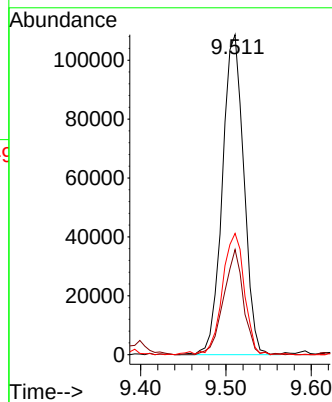
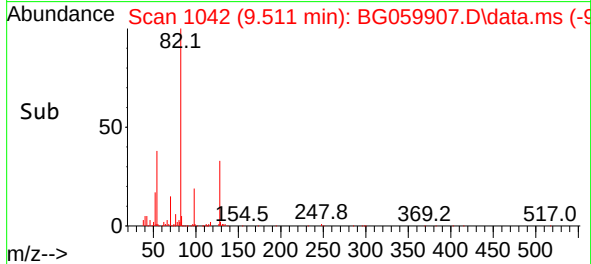
Instrument :
BNA_G
ClientSampleId :
JC-03-111523B



Tgt Ion: 82 Resp: 190034
Ion Ratio Lower Upper
82 100
128 32.9 23.0 34.6
54 37.9 28.7 43.1

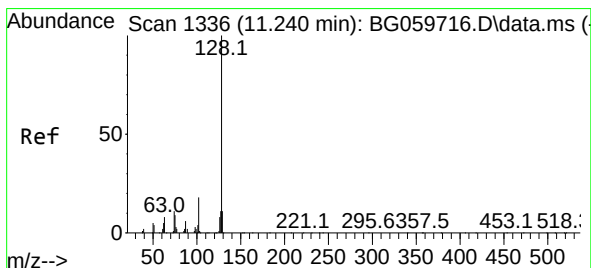
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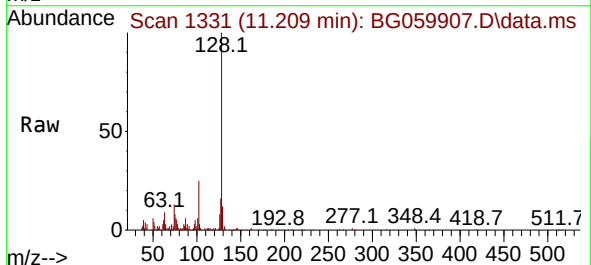


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Supervised By :mohammad
ahmed

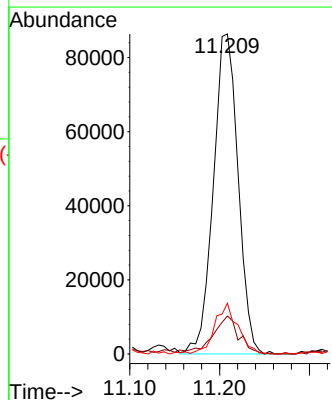
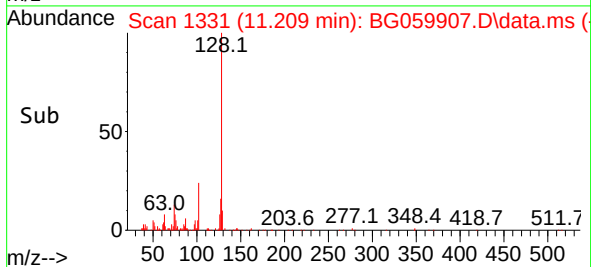
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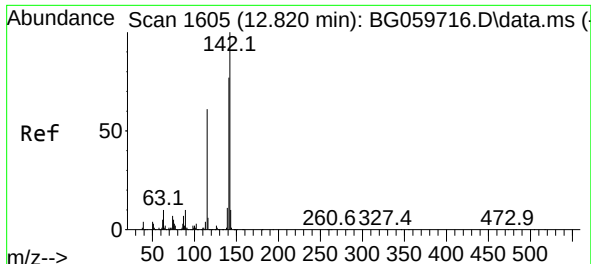


#31
Naphthalene
Concen: 23.719 ng
RT: 11.209 min Scan# 1331
Delta R.T. 0.001 min
Lab File: BG059907.D
Acq: 27 Nov 2023 19:12



Tgt Ion:128 Resp: 165269
Ion Ratio Lower Upper
128 100
129 11.9 8.7 13.1
127 15.8 9.2 13.8#





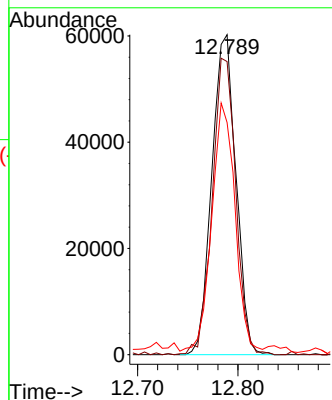
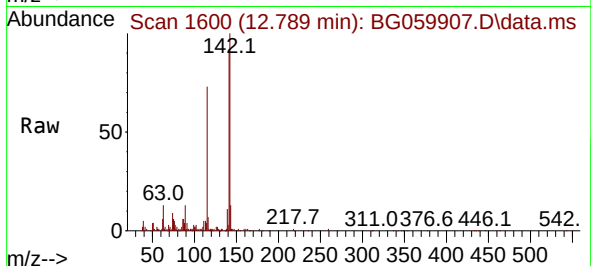
#37
2-Methylnaphthalene
Concen: 17.121 ng
RT: 12.789 min Scan# 1600
Delta R.T. 0.001 min
Lab File: BG059907.D
Acq: 27 Nov 2023 19:12

Instrument :
BNA_G
ClientSampleId :
JC-03-111523B

Tgt Ion:142 Resp: 10047
Ion Ratio Lower Upper
142 100
141 91.6 61.9 92.9
115 72.5 49.0 73.4

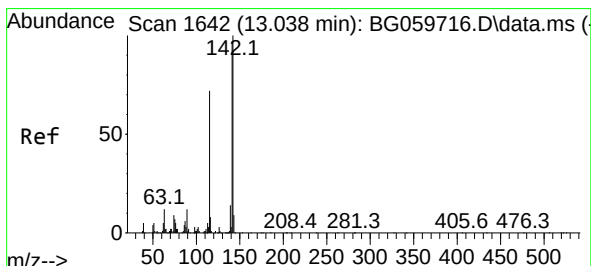
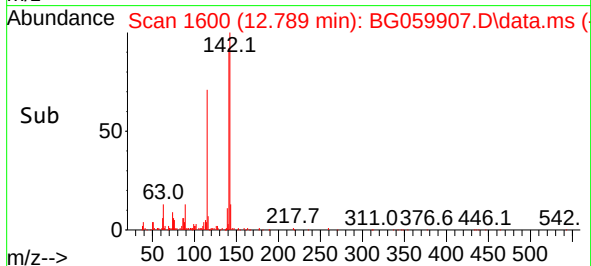
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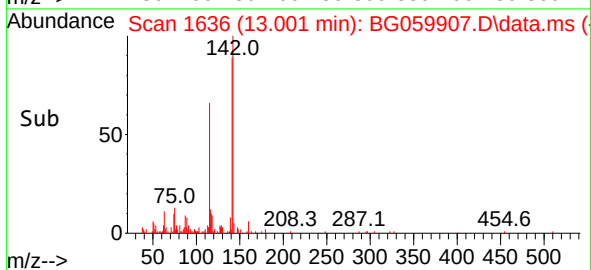
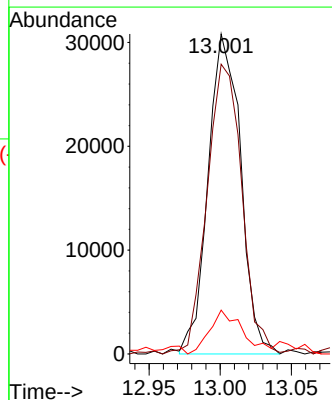
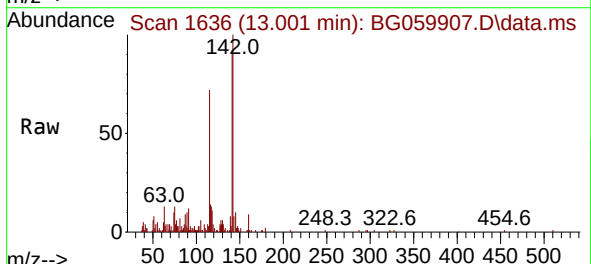
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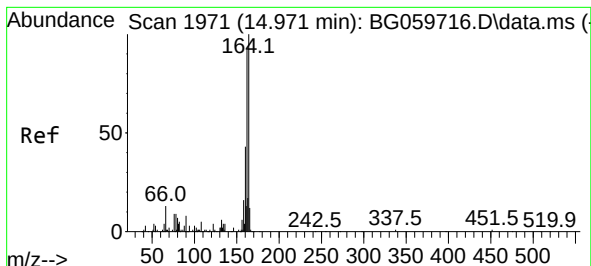
11/28/2023



#38
1-Methylnaphthalene
Concen: 9.056 ng m
RT: 13.001 min Scan# 1636
Delta R.T. -0.005 min
Lab File: BG059907.D
Acq: 27 Nov 2023 19:12

Tgt Ion:142 Resp: 49009
Ion Ratio Lower Upper
142 100
141 90.5 77.8 116.8
116 13.7 6.2 9.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.940 min Scan# 1966

Delta R.T. -0.005 min

Lab File: BG059907.D

Acq: 27 Nov 2023 19:12

Instrument :

BNA_G

ClientSampleId :

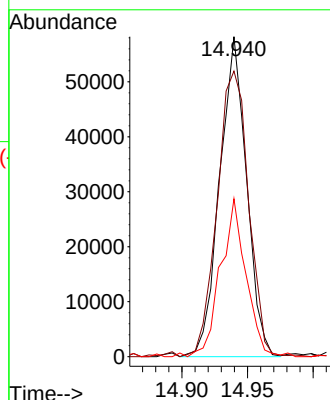
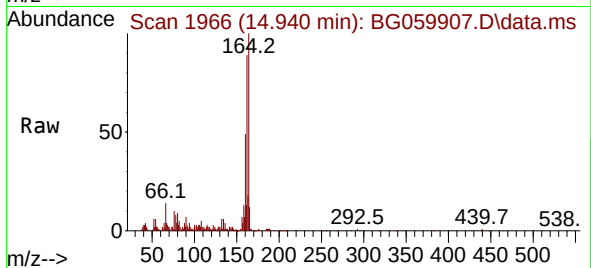
JC-03-111523B

Tgt Ion:164 Resp: 82990

Ion	Ratio	Lower	Upper
164	100		
162	89.2	73.3	109.9
160	49.4	34.1	51.1

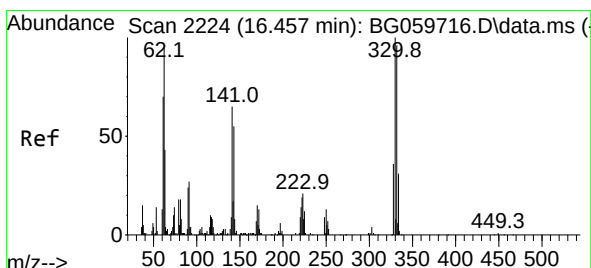
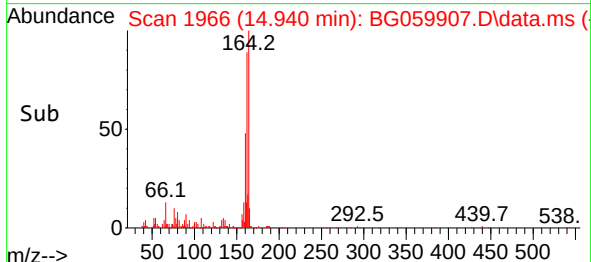
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#42

2,4,6-Tribromophenol

Concen: 82.697 ng

RT: 16.426 min Scan# 2219

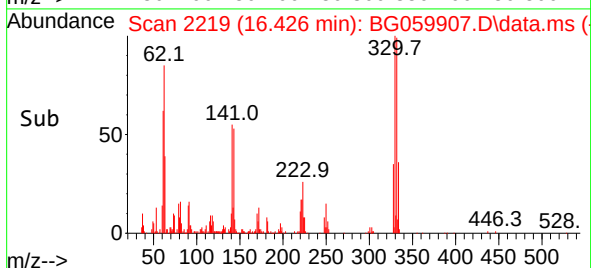
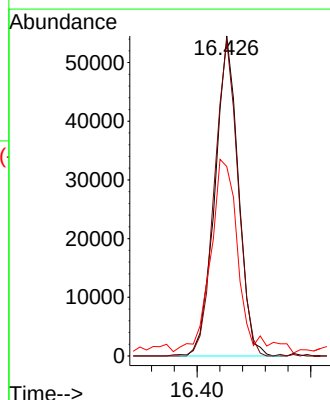
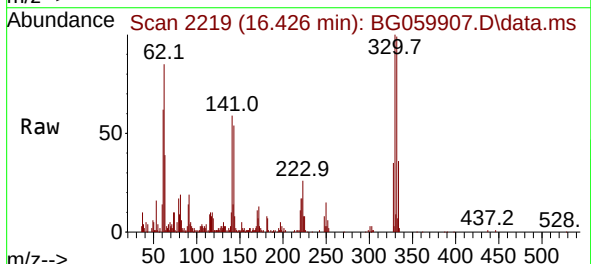
Delta R.T. -0.005 min

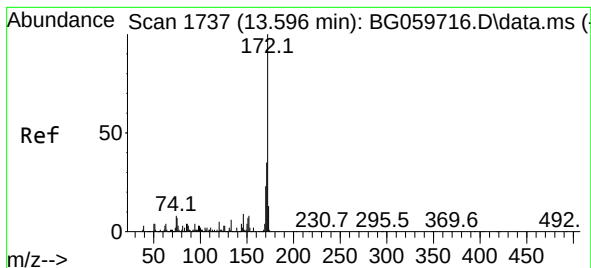
Lab File: BG059907.D

Acq: 27 Nov 2023 19:12

Tgt Ion:330 Resp: 77875

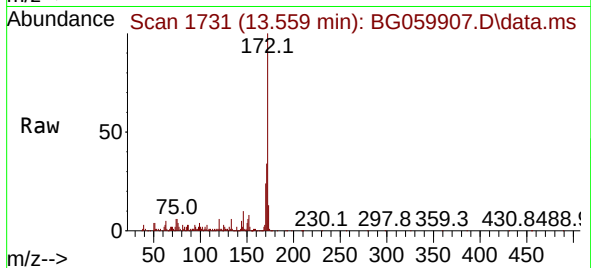
Ion	Ratio	Lower	Upper
330	100		
332	99.3	73.3	109.9
141	70.3	52.1	78.1





#45
2-Fluorobiphenyl
Concen: 56.190 ng
RT: 13.559 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG059907.D
Acq: 27 Nov 2023 19:12

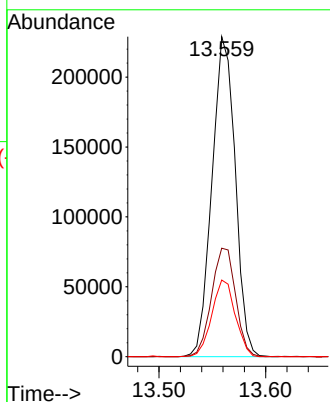
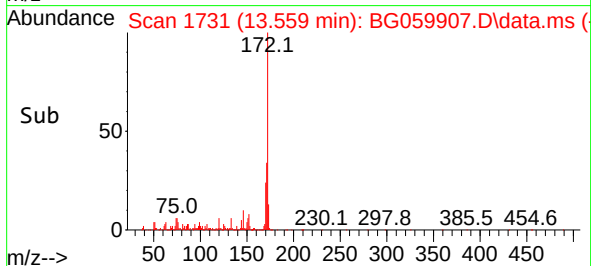
Instrument :
BNA_G
ClientSampleId :
JC-03-111523B



Tgt Ion:172 Resp: 346464
Ion Ratio Lower Upper
172 100
171 33.9 27.7 41.5
170 23.9 18.4 27.6

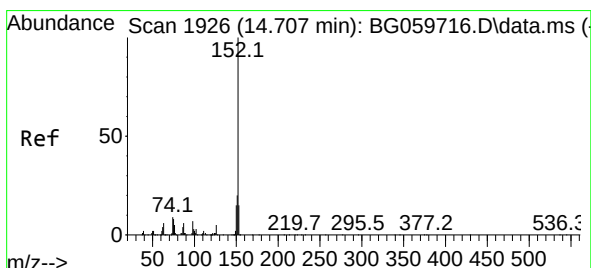
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

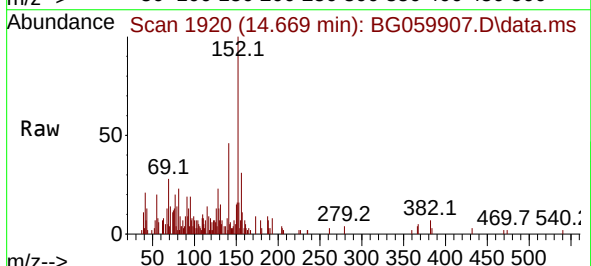


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Supervised By :mohammad
ahmed

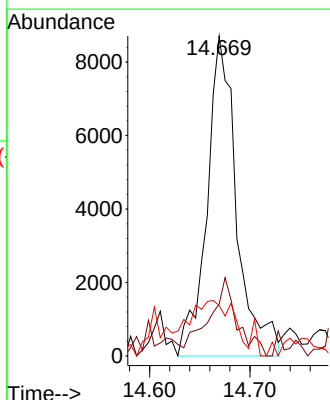
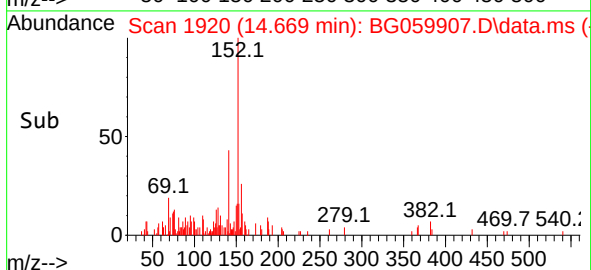
11/28/2023

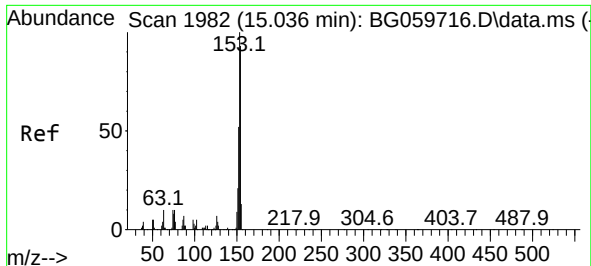


#49
Acenaphthylene
Concen: 2.347 ng
RT: 14.669 min Scan# 1920
Delta R.T. -0.005 min
Lab File: BG059907.D
Acq: 27 Nov 2023 19:12



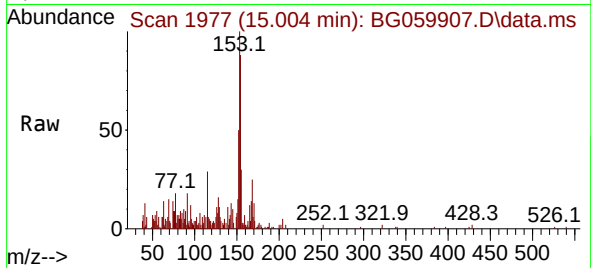
Tgt Ion:152 Resp: 17914
Ion Ratio Lower Upper
152 100
151 16.2 15.8 23.8
153 15.7 12.2 18.4





#52
Acenaphthene
Concen: 4.182 ng
RT: 15.004 min Scan# 1982
Delta R.T. -0.005 min
Lab File: BG059907.D
Acq: 27 Nov 2023 19:12

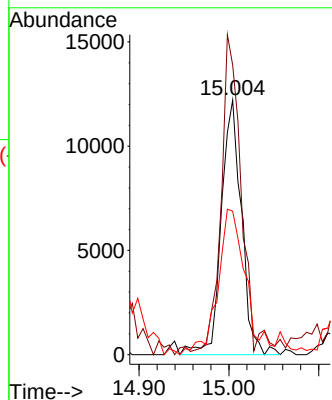
Instrument :
BNA_G
ClientSampleId :
JC-03-111523B



Tgt Ion:154 Resp: 1919
Ion Ratio Lower Upper
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153 113.7 85.8 128.8
152 56.4 44.4 66.6

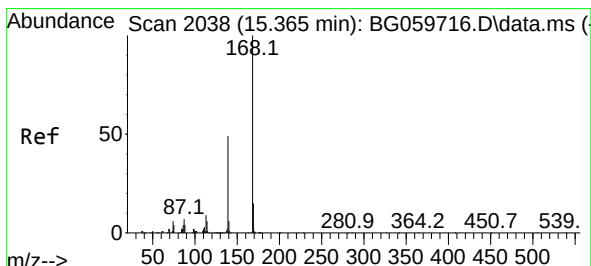
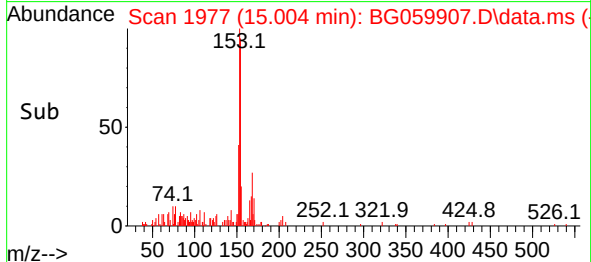
Manual Integrations
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Reviewed By :Yogesh
Patel



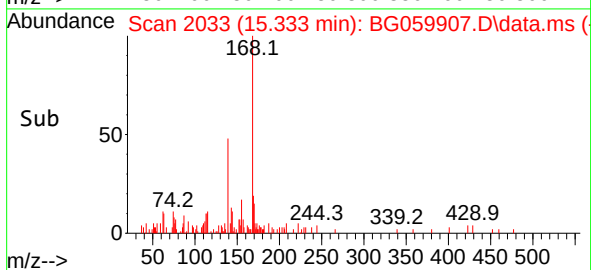
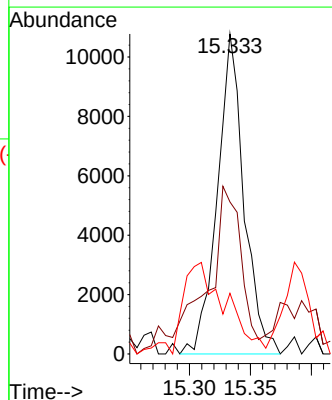
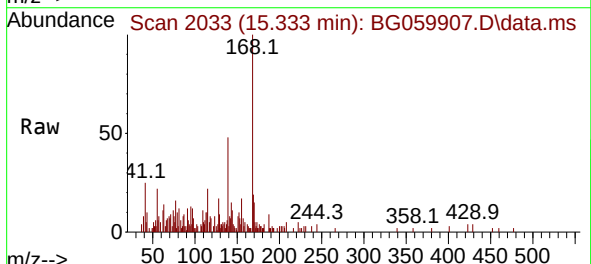
11/28/2023
Supervised By :mohammad
ahmed

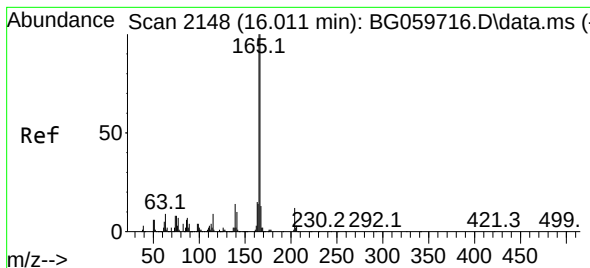
11/28/2023



#55
Dibenzofuran
Concen: 2.164 ng
RT: 15.333 min Scan# 2033
Delta R.T. -0.005 min
Lab File: BG059907.D
Acq: 27 Nov 2023 19:12

Tgt Ion:168 Resp: 16379
Ion Ratio Lower Upper
168 100
139 47.5 38.9 58.3
169 19.0 11.8 17.8#





#58

Fluorene

Concen: 3.226 ng

RT: 15.980 min Scan# 2148

Delta R.T. -0.011 min

Lab File: BG059907.D

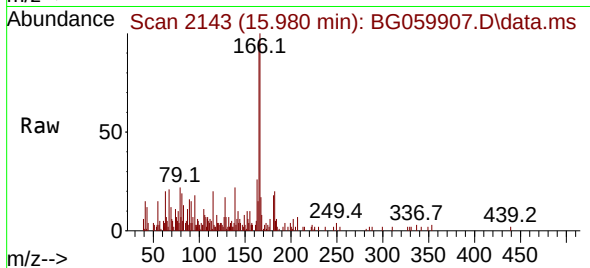
Acq: 27 Nov 2023 19:12

Instrument :

BNA_G

ClientSampleId :

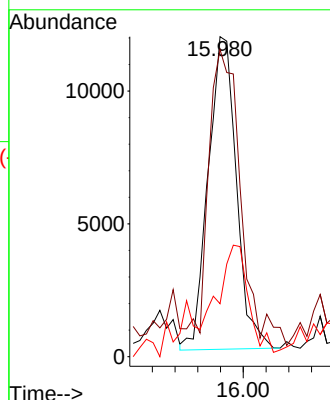
JC-03-111523B



Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.9	79.9	119.9
167	16.6	10.1	15.1

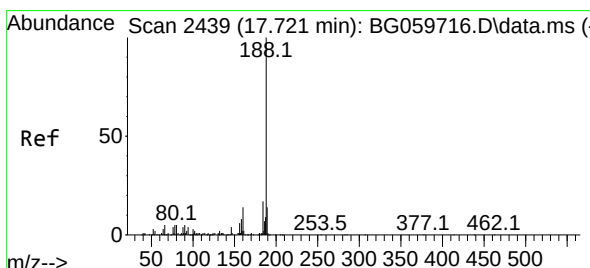
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



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Supervised By :mohammad
ahmed

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#64

Phenanthrene-d10

Concen: 20.000 ng

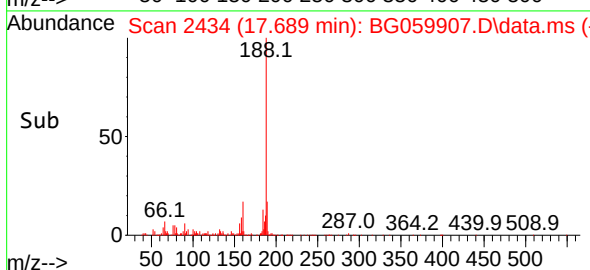
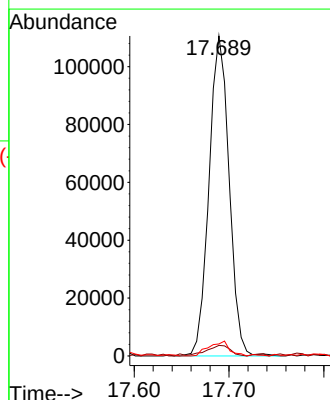
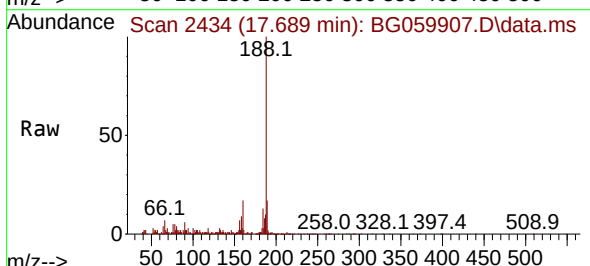
RT: 17.689 min Scan# 2434

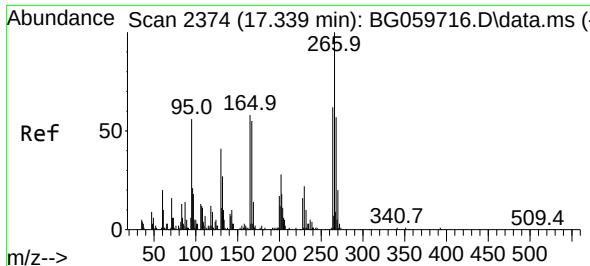
Delta R.T. -0.005 min

Lab File: BG059907.D

Acq: 27 Nov 2023 19:12

Tgt Ion	Ratio	Lower	Upper
188	100		
94	3.3	3.0	4.4
80	3.7	4.2	6.4





#70
Pentachlorophenol
Concen: 10.469 ng
RT: 17.313 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG059907.D
Acq: 27 Nov 2023 19:12

Instrument :

BNA_G

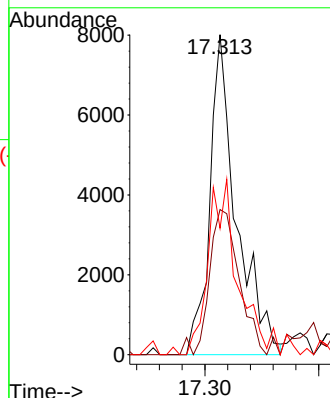
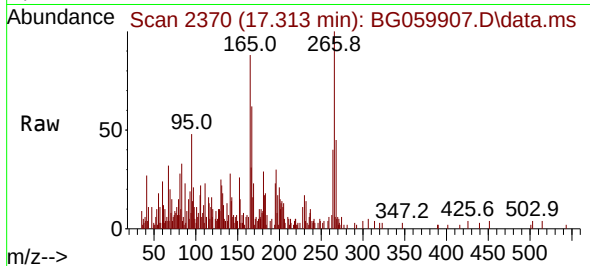
ClientSampleId :

JC-03-111523B

Tgt Ion:266 Resp: 1303
Ion Ratio Lower Upper
266 100
268 49.9 45.7 68.5
264 39.5 49.8 74.8

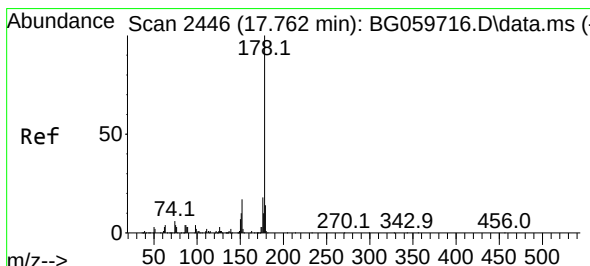
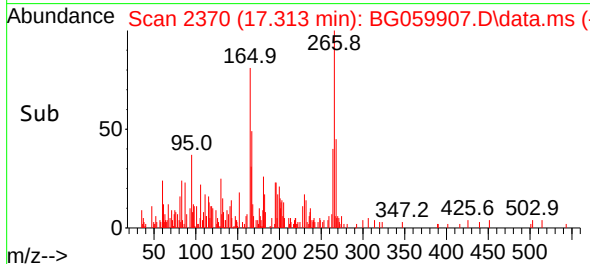
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



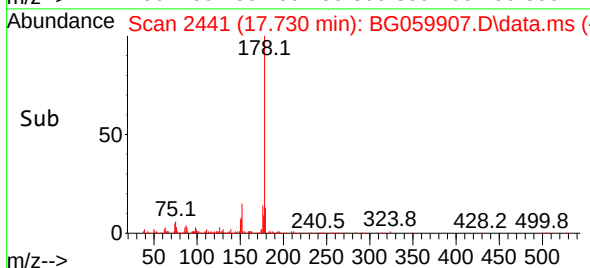
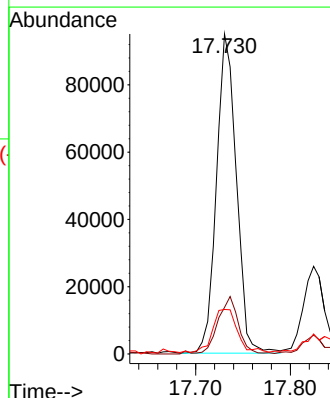
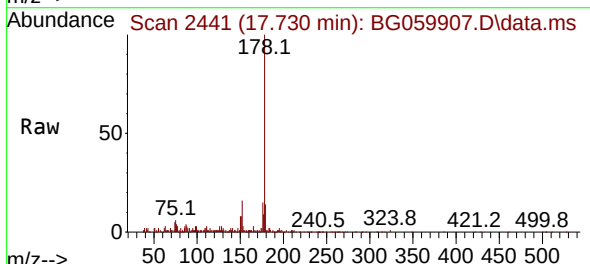
11/28/2023
Supervised By :mohammad
ahmed

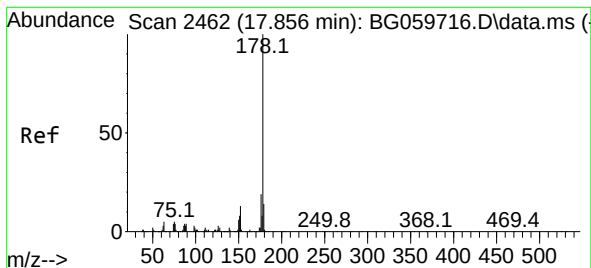
11/28/2023



#71
Phenanthrene
Concen: 16.745 ng
RT: 17.730 min Scan# 2441
Delta R.T. -0.005 min
Lab File: BG059907.D
Acq: 27 Nov 2023 19:12

Tgt Ion:178 Resp: 138553
Ion Ratio Lower Upper
178 100
176 14.6 14.5 21.7
179 13.9 11.2 16.8





#72

Anthracene

Concen: 4.895 ng

RT: 17.824 min Scan# 2462

Delta R.T. -0.005 min

Lab File: BG059907.D

Acq: 27 Nov 2023 19:12

Instrument :

BNA_G

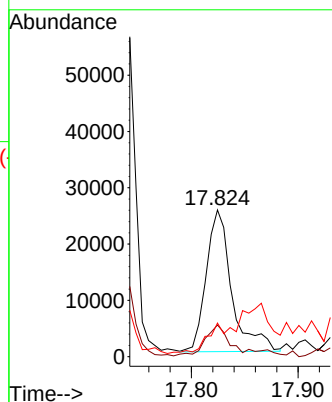
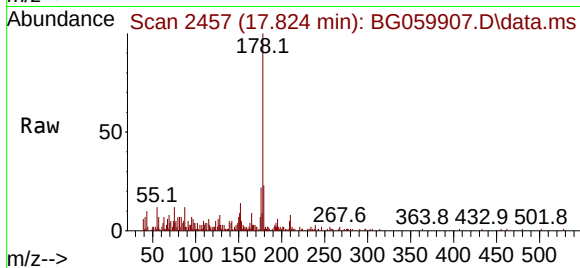
ClientSampleId :

JC-03-111523B

Tgt Ion:178	Resp: 4208
Ion Ratio	Lower Upper
178 100	
176 21.5	15.0 22.4
179 22.9	11.5 17.3

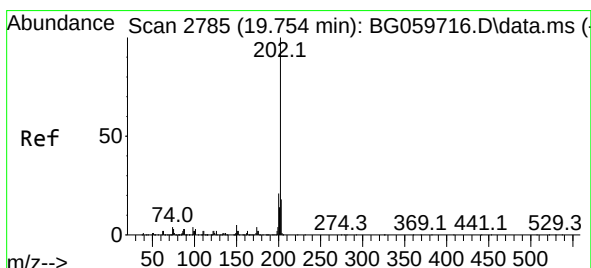
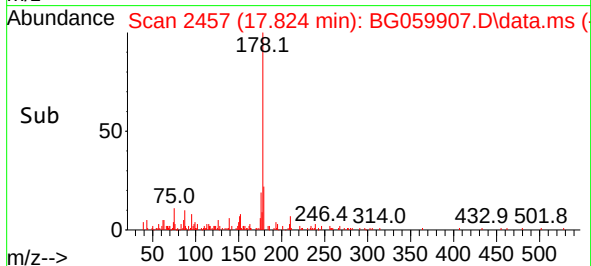
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



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Supervised By :mohammad
ahmed

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#75

Fluoranthene

Concen: 22.330 ng

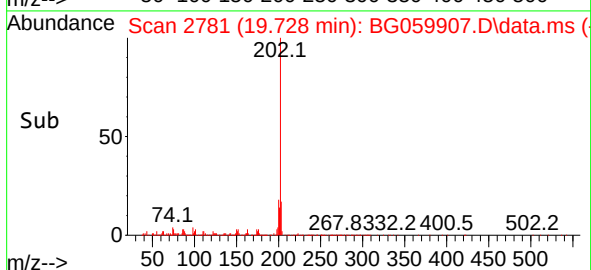
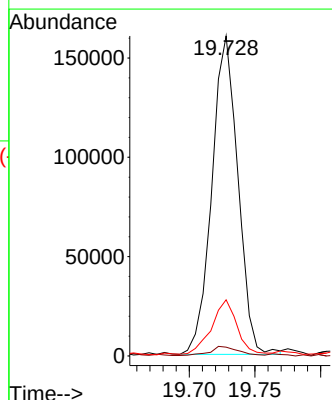
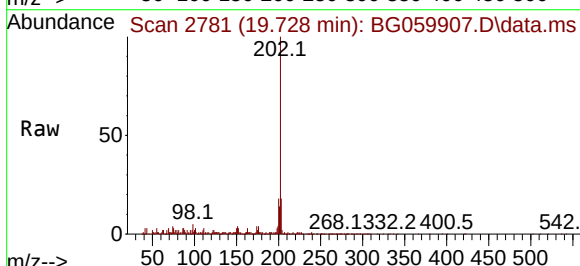
RT: 19.728 min Scan# 2781

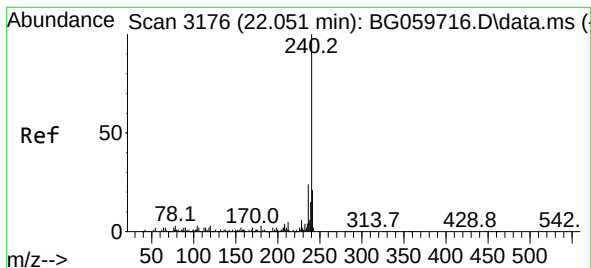
Delta R.T. 0.001 min

Lab File: BG059907.D

Acq: 27 Nov 2023 19:12

Tgt Ion:202	Resp: 221572
Ion Ratio	Lower Upper
202 100	
101 2.7	0.0 22.7
203 17.5	0.0 38.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.014 min Scan# 3176

Delta R.T. -0.005 min

Lab File: BG059907.D

Acq: 27 Nov 2023 19:12

Instrument :

BNA_G

ClientSampleId :

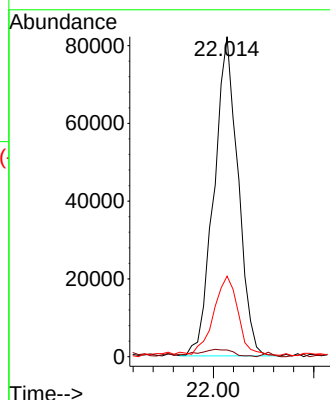
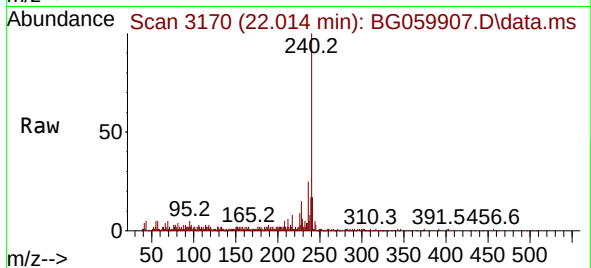
JC-03-111523B

Tgt Ion:240 Resp: 13648

Ion	Ratio	Lower	Upper
240	100		
120	2.1	2.2	3.2
236	25.2	19.4	29.2

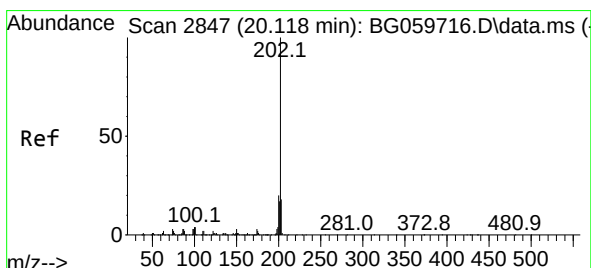
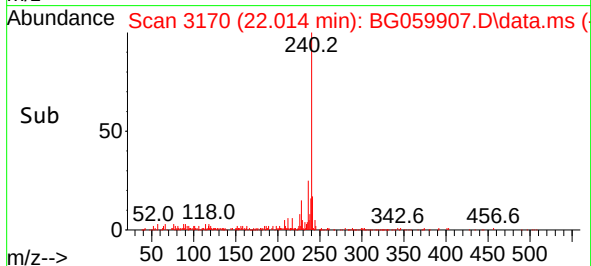
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



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ahmed

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#78

Pyrene

Concen: 23.848 ng

RT: 20.092 min Scan# 2843

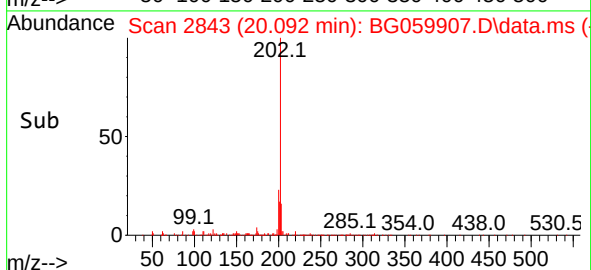
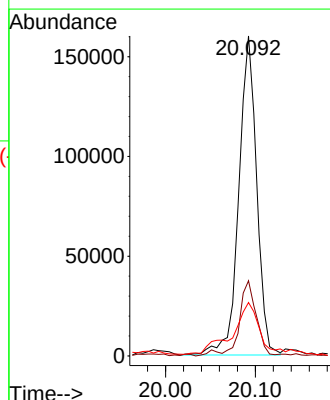
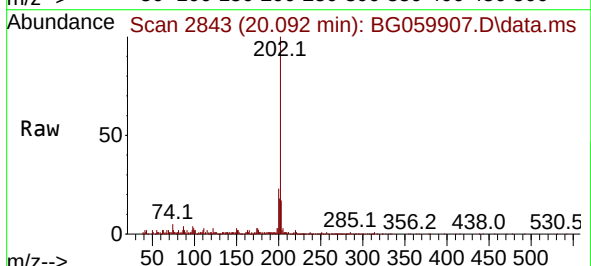
Delta R.T. -0.005 min

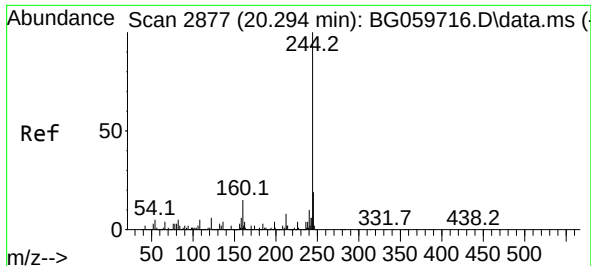
Lab File: BG059907.D

Acq: 27 Nov 2023 19:12

Tgt Ion:202 Resp: 221455

Ion	Ratio	Lower	Upper
202	100		
200	23.5	16.2	24.4
203	16.7	14.0	21.0





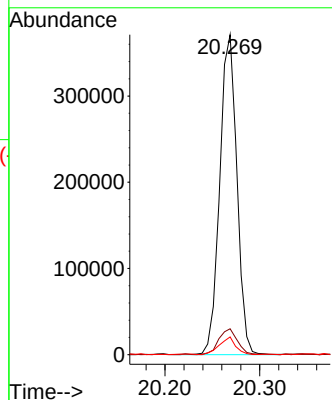
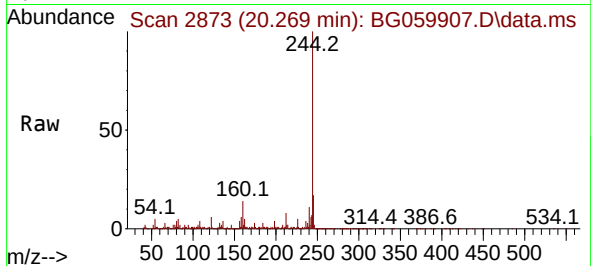
#79
Terphenyl-d14
Concen: 50.592 ng
RT: 20.269 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG059907.D
Acq: 27 Nov 2023 19:12

Instrument :
BNA_G
ClientSampleId :
JC-03-111523B

Tgt Ion:244 Resp: 467740
Ion Ratio Lower Upper
244 100
212 8.1 6.6 10.0
122 5.5 4.4 6.6

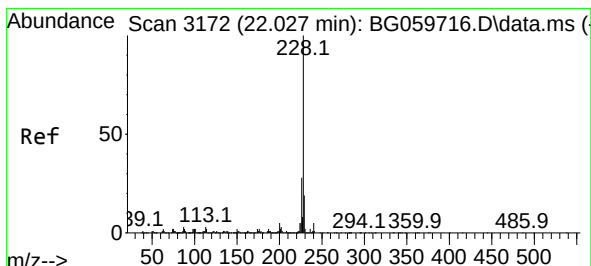
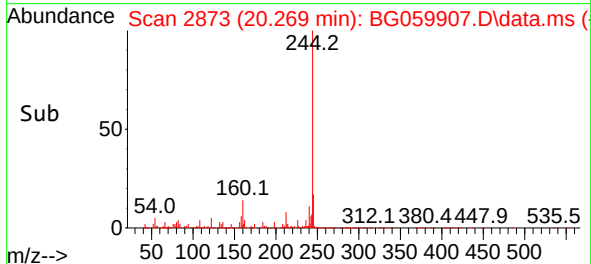
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



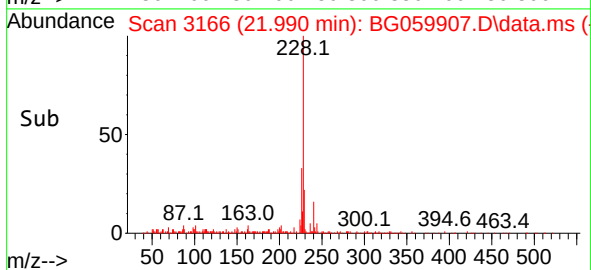
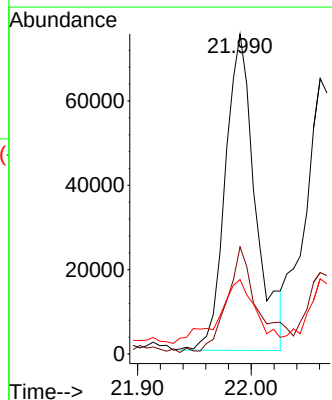
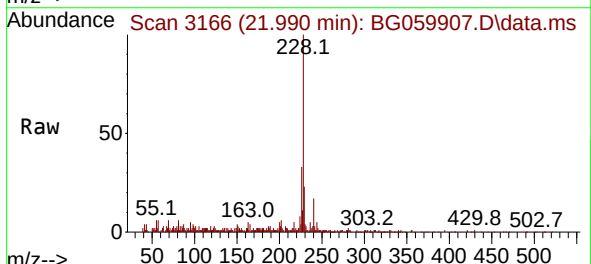
11/28/2023
Supervised By :mohammad
ahmed

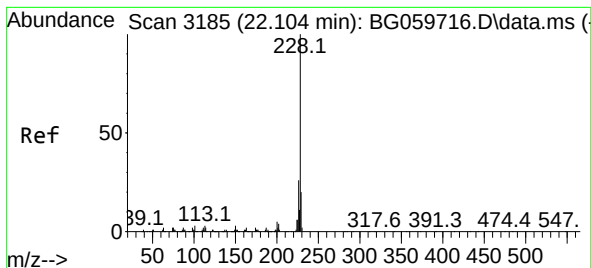
11/28/2023



#81
Benzo(a)anthracene
Concen: 14.751 ng
RT: 21.990 min Scan# 3166
Delta R.T. -0.005 min
Lab File: BG059907.D
Acq: 27 Nov 2023 19:12

Tgt Ion:228 Resp: 137748
Ion Ratio Lower Upper
228 100
226 33.5 22.1 33.1#
229 23.3 14.9 22.3#





#83

Chrysene

Concen: 14.949 ng

RT: 22.061 min Scan# 31

Delta R.T. -0.005 min

Lab File: BG059907.D

Acq: 27 Nov 2023 19:12

Instrument :

BNA_G

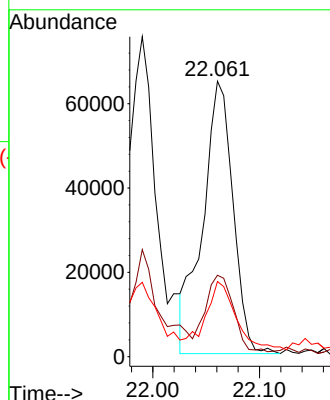
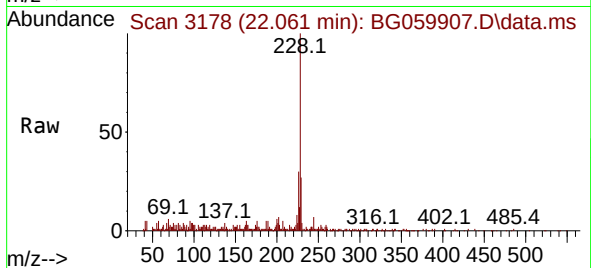
ClientSampleId :

JC-03-111523B

Tgt Ion:228	Resp: 127969
Ion Ratio	Lower Upper
228 100	
226 29.6	21.1 31.7
229 27.3	16.2 24.4

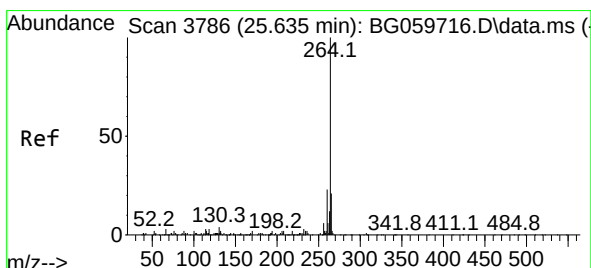
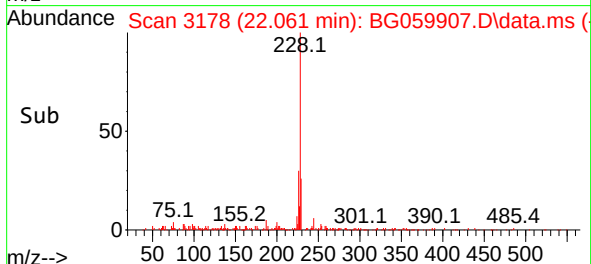
Manual Integrations
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Patel



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#86

Perylene-d12

Concen: 20.000 ng

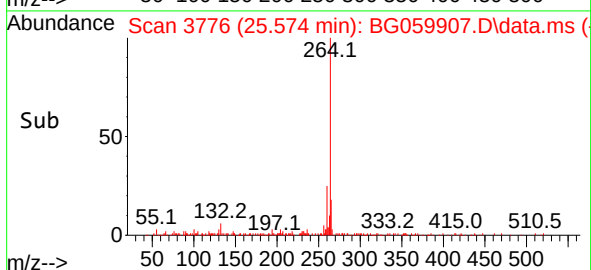
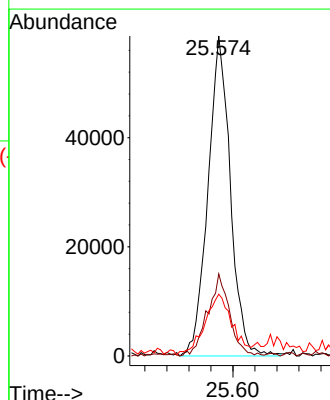
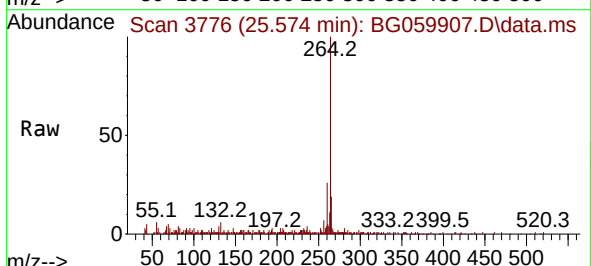
RT: 25.574 min Scan# 3776

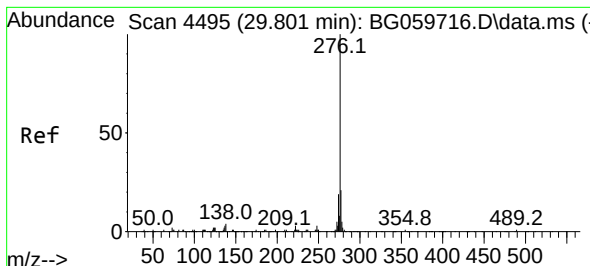
Delta R.T. -0.005 min

Lab File: BG059907.D

Acq: 27 Nov 2023 19:12

Tgt Ion:264	Resp: 165613
Ion Ratio	Lower Upper
264 100	
260 25.6	18.5 27.7
265 19.3	17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.198 ng m

RT: 29.705 min Scan# 4495

Delta R.T. -0.011 min

Lab File: BG059907.D

Acq: 27 Nov 2023 19:12

Instrument :

BNA_G

ClientSampleId :

JC-03-111523B

Tgt Ion:276 Resp: 115269

Ion Ratio Lower Upper

276 100

138 1.2 1.8 2.6

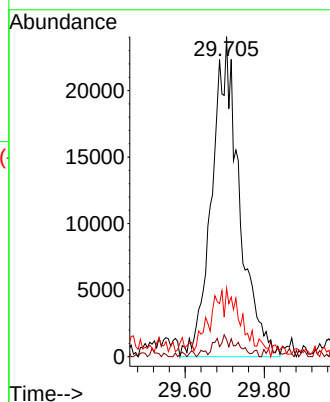
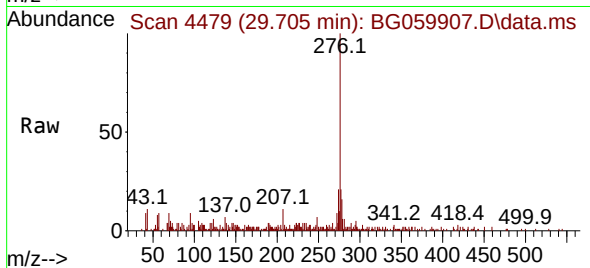
277 7.6 9.8 14.6

Manual Integrations

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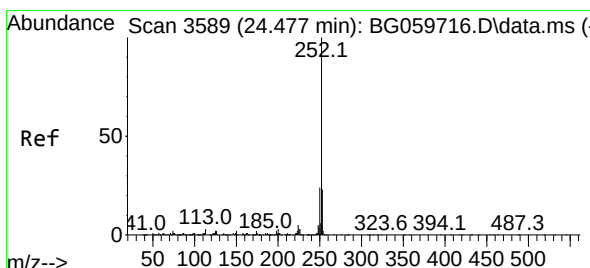
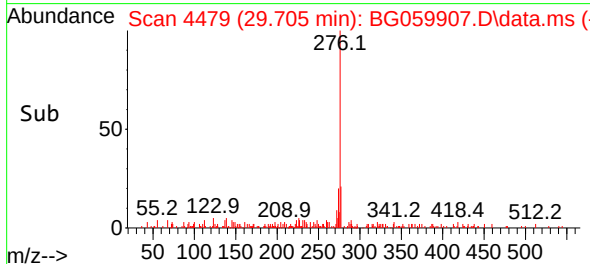
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ahmed

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#88

Benzo(b)fluoranthene

Concen: 19.662 ng

RT: 24.423 min Scan# 3580

Delta R.T. 0.001 min

Lab File: BG059907.D

Acq: 27 Nov 2023 19:12

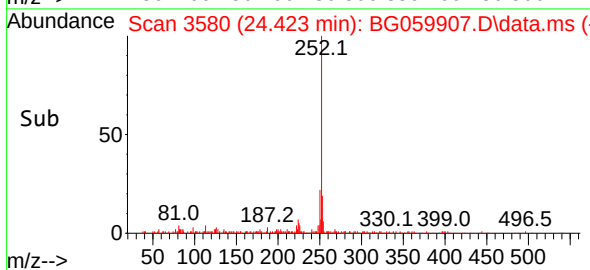
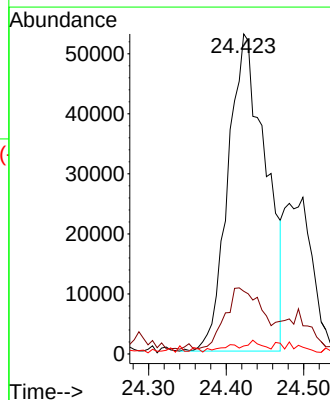
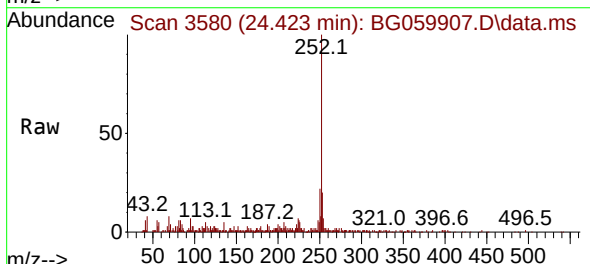
Tgt Ion:252 Resp: 178471

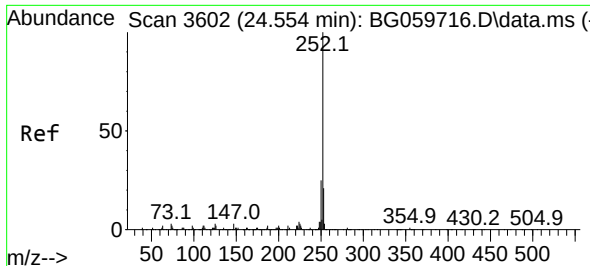
Ion Ratio Lower Upper

252 100

253 19.6 18.3 27.5

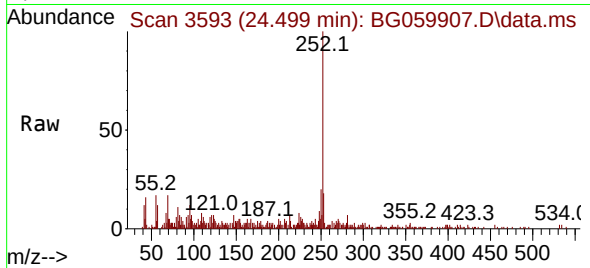
125 2.5 1.4 2.0





#89
Benzo(k)fluoranthene
Concen: 7.445 ng m
RT: 24.499 min Scan# 31
Delta R.T. -0.005 min
Lab File: BG059907.D
Acq: 27 Nov 2023 19:12

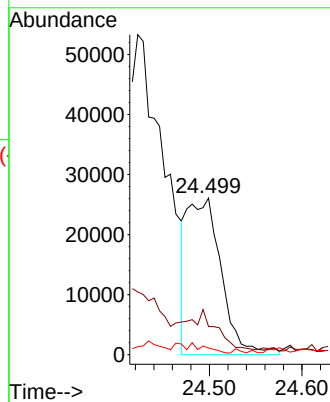
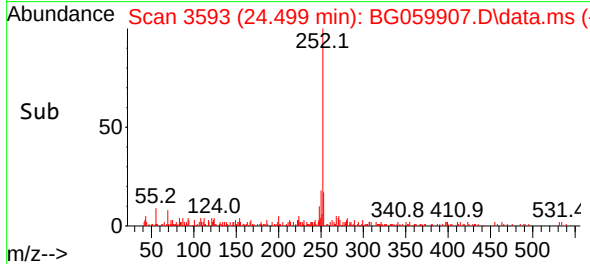
Instrument :
BNA_G
ClientSampleId :
JC-03-111523B



Tgt Ion:252 Resp: 66814
Ion Ratio Lower Upper
252 100
253 18.0 17.1 25.7
125 4.3 2.2 3.2

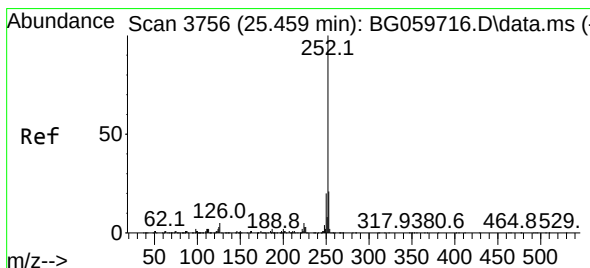
Manual Integrations
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Reviewed By :Yogesh
Patel

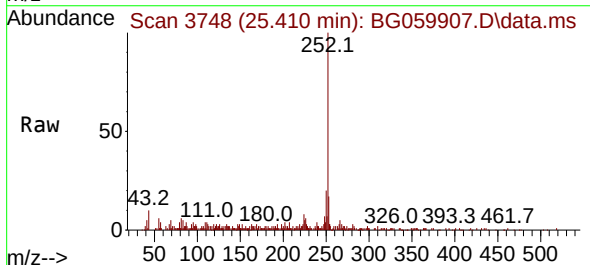


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Supervised By :mohammad
ahmed

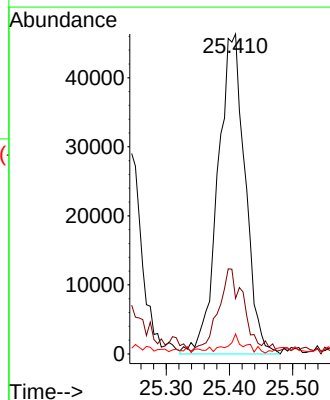
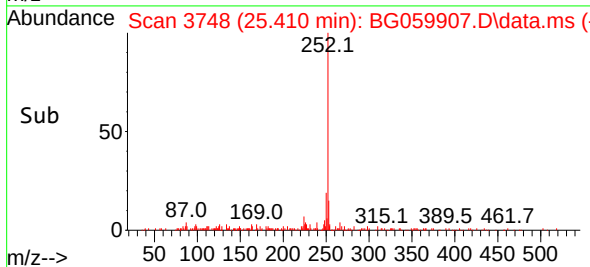
11/28/2023

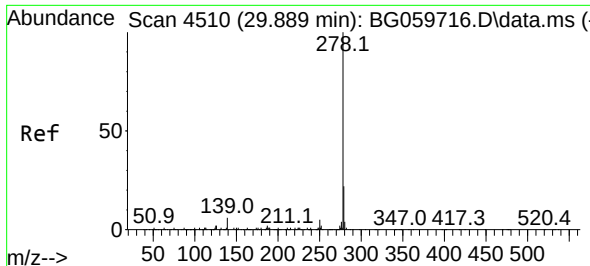


#90
Benzo(a)pyrene
Concen: 14.324 ng
RT: 25.410 min Scan# 3748
Delta R.T. -0.005 min
Lab File: BG059907.D
Acq: 27 Nov 2023 19:12



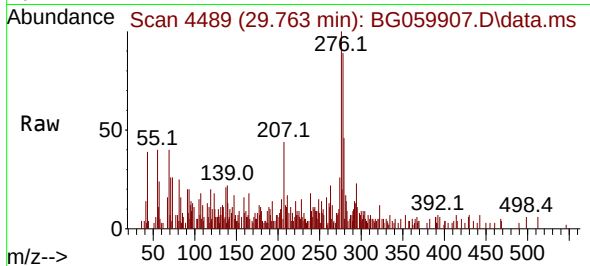
Tgt Ion:252 Resp: 138767
Ion Ratio Lower Upper
252 100
253 17.4 16.8 25.2
125 6.3 2.0 3.0





#91
Dibenzo(a,h)anthracene
Concen: 3.348 ng m
RT: 29.763 min Scan# 4489
Delta R.T. -0.040 min
Lab File: BG059907.D
Acq: 27 Nov 2023 19:12

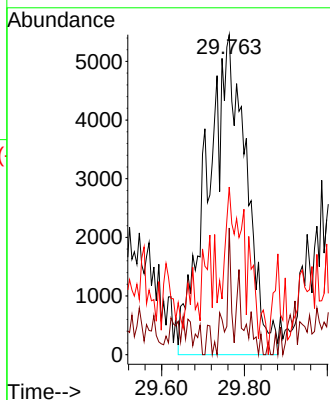
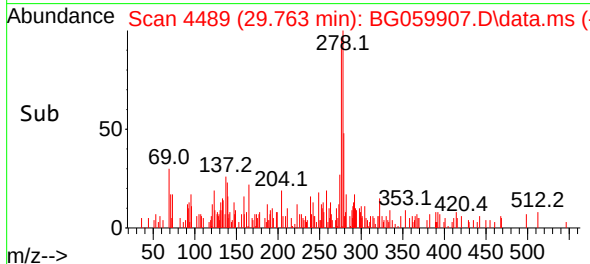
Instrument :
BNA_G
ClientSampleId :
JC-03-111523B



Tgt Ion:278 Resp: 35492
Ion Ratio Lower Upper
278 100
139 25.0 4.6 7.0#
279 52.4 17.4 26.0#

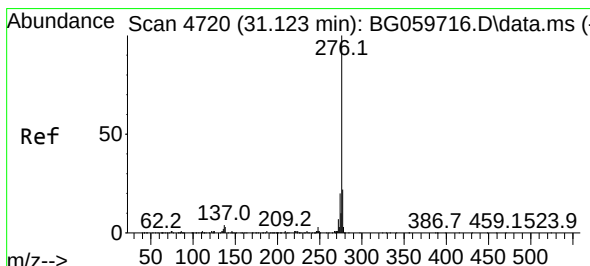
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

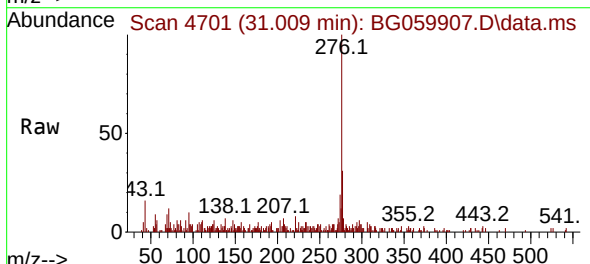


11/28/2023
Supervised By :mohammad
ahmed

11/28/2023



#92
Benzo(g,h,i)perylene
Concen: 9.790 ng m
RT: 31.009 min Scan# 4701
Delta R.T. -0.028 min
Lab File: BG059907.D
Acq: 27 Nov 2023 19:12



Tgt Ion:276 Resp: 98484
Ion Ratio Lower Upper
276 100
277 31.5 17.3 25.9#
138 7.2 2.6 4.0#

