

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040224\
 Data File : BG060742.D
 Acq On : 2 Apr 2024 18:02
 Operator : MA/JU
 Sample : P1879-06
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EB-03(2-4)

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 04/03/2024
 Supervised By :mohammad ahmed 04/04/2024

Quant Time: Apr 02 18:35:13 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 30 03:12:26 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.953	152	65119	20.000	ng	0.00
21) Naphthalene-d8	10.750	136	259154	20.000	ng	0.00
39) Acenaphthene-d10	14.580	164	185587	20.000	ng	0.00
64) Phenanthrene-d10	17.330	188	456741	20.000	ng	0.00
76) Chrysene-d12	21.596	240	445612	20.000	ng	0.00
86) Perylene-d12	24.733	264	535206	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.538	112	405063	103.624	ng	0.00
7) Phenol-d6	7.113	99	528062	91.008	ng	0.00
23) Nitrobenzene-d5	9.104	82	337475	74.307	ng	0.00
42) 2,4,6-Tribromophenol	16.067	330	262939	124.810	ng	0.00
45) 2-Fluorobiphenyl	13.211	172	801530	63.385	ng	0.00
79) Terphenyl-d14	19.956	244	1631279	64.460	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.802	128	44244	3.156	ng	96
37) 2-Methylnaphthalene	12.406	142	27168	2.636	ng	# 94
38) 1-Methylnaphthalene	12.624	142	24147	2.480	ng	# 99
49) Acenaphthylene	14.304	152	41437m	2.476	ng	
58) Fluorene	15.632	166	31737	2.386	ng	97
71) Phenanthrene	17.371	178	447913	18.856	ng	99
75) Fluoranthene	19.387	202	539067	18.702	ng	98
78) Pyrene	19.745	202	840267	26.962	ng	99
81) Benzo(a)anthracene	21.572	228	466649m	14.856	ng	
83) Chrysene	21.637	228	490827	16.212	ng	98
87) Indeno(1,2,3-cd)pyrene	28.294	276	528093	14.012	ng	97
88) Benzo(b)fluoranthene	23.746	252	566739	18.432	ng	98
89) Benzo(k)fluoranthene	23.805	252	194326m	6.175	ng	
90) Benzo(a)pyrene	24.586	252	552054	18.475	ng	96
91) Dibenzo(a,h)anthracene	28.352	278	109696m	3.453	ng	
92) Benzo(g,h,i)perylene	29.404	276	734220	23.757	ng	97

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

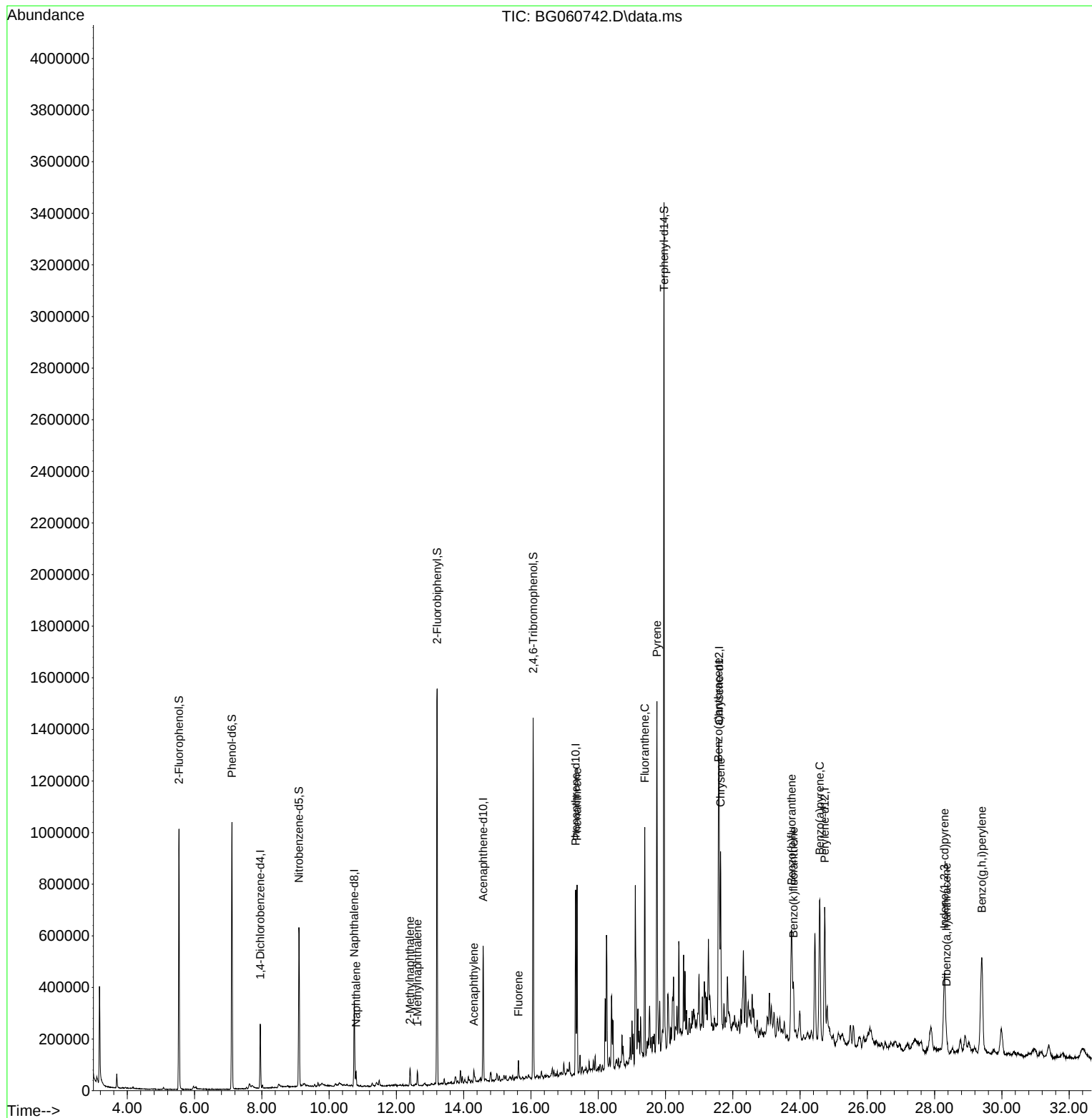
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040224\
Data File : BG060742.D
Acq On : 2 Apr 2024 18:02
Operator : MA/JU
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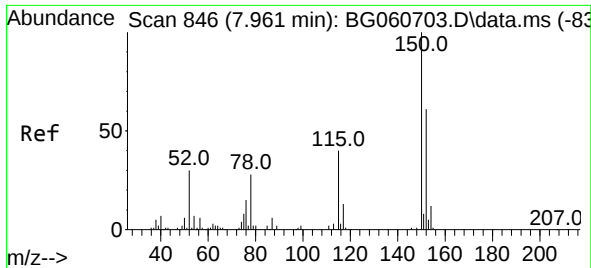
Instrument :
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Quant Time: Apr 02 18:35:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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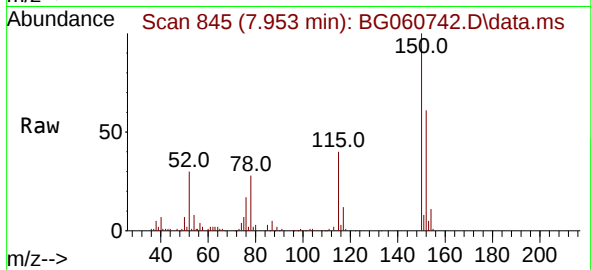
Reviewed By :Jagrut Upadhyay 04/03/2024
Supervised By :mohammad ahmed 04/04/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.953 min Scan# 846
Delta R.T. -0.008 min
Lab File: BG060742.D
Acq: 2 Apr 2024 18:02

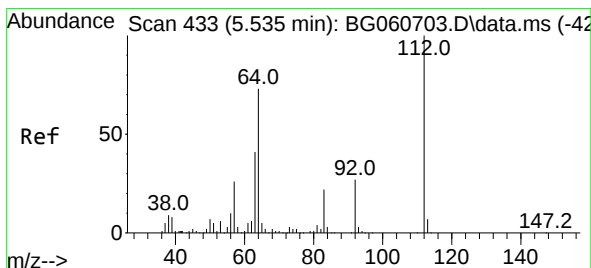
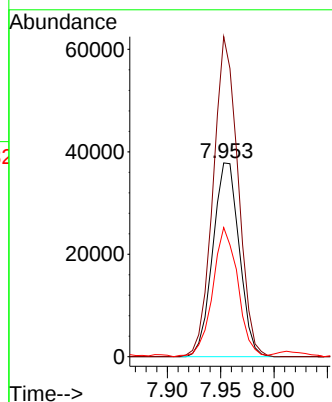
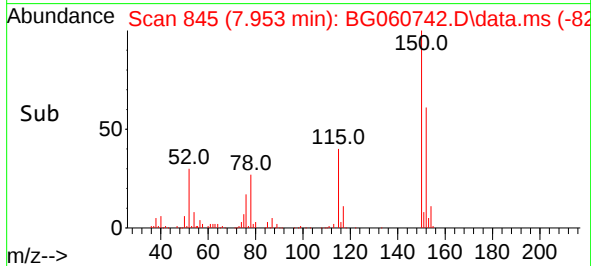
Instrument :
BNA_G
ClientSampleId :
EB-03(2-4)



Tgt Ion:152 Resp: 65119
Ion Ratio Lower Upper
152 100
150 165.2 130.2 195.4
115 66.7 51.6 77.4

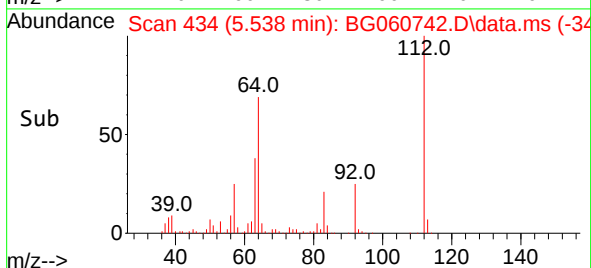
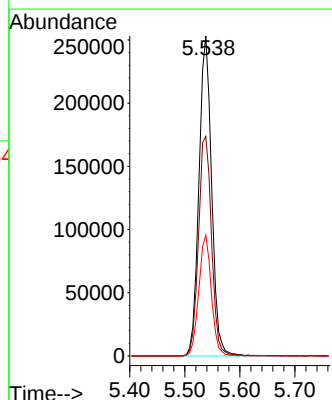
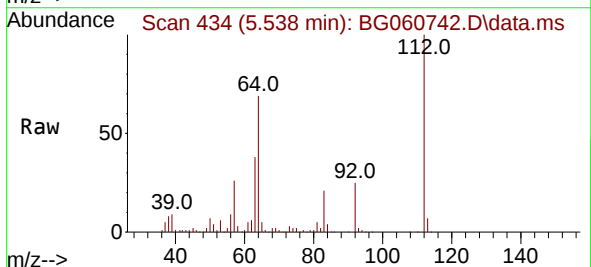
Manual Integrations
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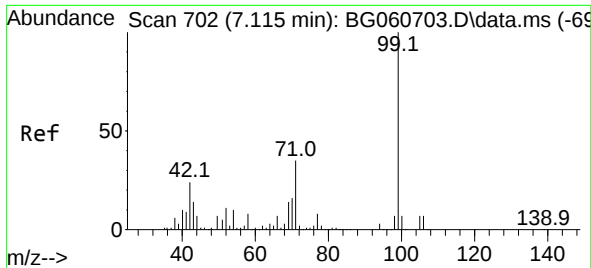
Reviewed By :Jagrut Upadhyay 04/03/2024
Supervised By :mohammad ahmed 04/04/2024



#5
2-Fluorophenol
Concen: 103.624 ng
RT: 5.538 min Scan# 434
Delta R.T. 0.003 min
Lab File: BG060742.D
Acq: 2 Apr 2024 18:02

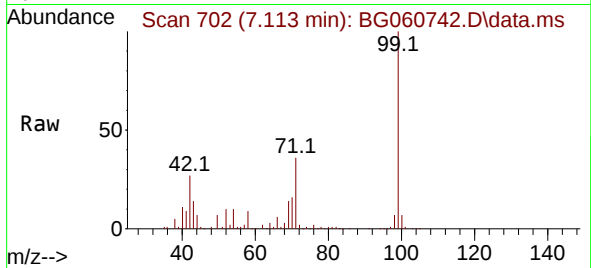
Tgt Ion:112 Resp: 405063
Ion Ratio Lower Upper
112 100
64 68.6 58.4 87.6
63 37.7 32.7 49.1





#7
Phenol-d6
Concen: 91.008 ng
RT: 7.113 min Scan# 702
Delta R.T. -0.003 min
Lab File: BG060742.D
Acq: 2 Apr 2024 18:02

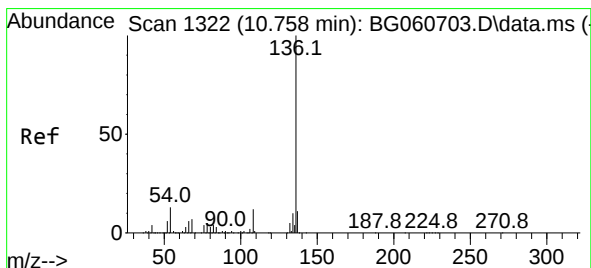
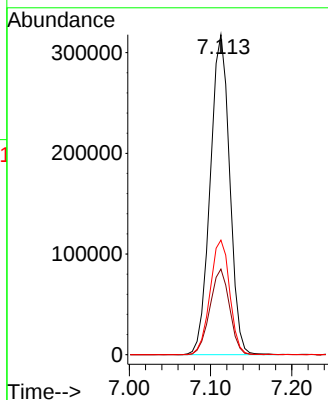
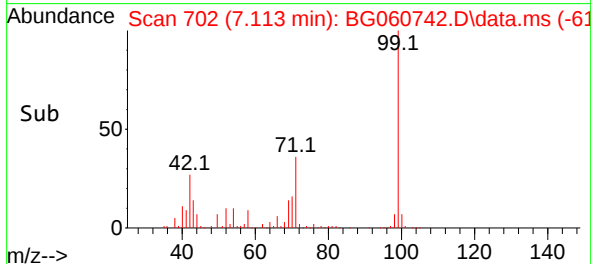
Instrument :
BNA_G
ClientSampleId :
EB-03(2-4)



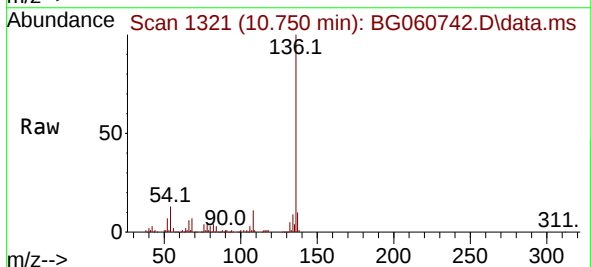
Tgt Ion: 99 Resp: 528062
Ion Ratio Lower Upper
99 100
42 26.7 19.4 29.2
71 35.8 28.2 42.2

Manual Integrations
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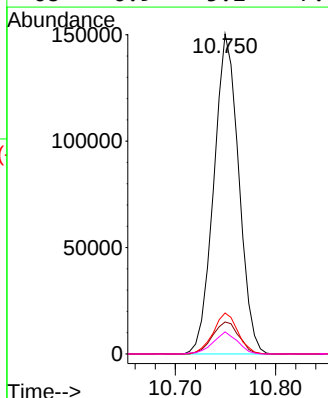
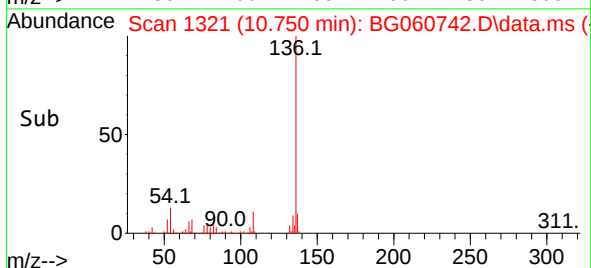
Reviewed By :Jagrut Upadhyay 04/03/2024
Supervised By :mohammad ahmed 04/04/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.750 min Scan# 1321
Delta R.T. -0.008 min
Lab File: BG060742.D
Acq: 2 Apr 2024 18:02



Tgt Ion:136 Resp: 259154
Ion Ratio Lower Upper
136 100
137 10.0 8.8 13.2
54 12.8 10.2 15.2
68 6.9 5.2 7.8





#23
Nitrobenzene-d5
Concen: 74.307 ng
RT: 9.104 min Scan# 1041
Delta R.T. -0.009 min
Lab File: BG060742.D
Acq: 2 Apr 2024 18:02

Instrument :

BNA_G

ClientSampleId :

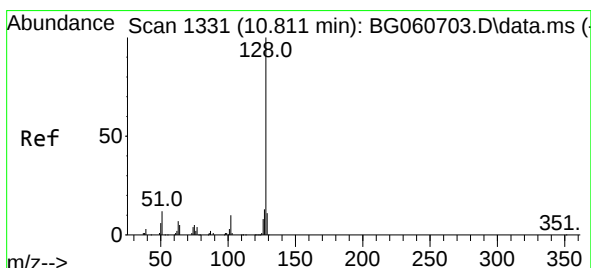
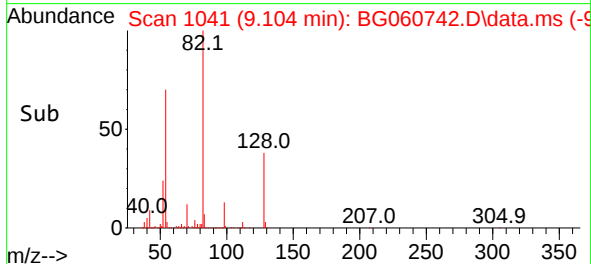
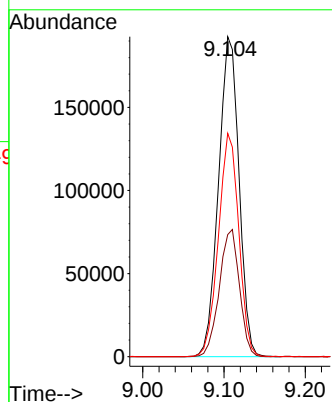
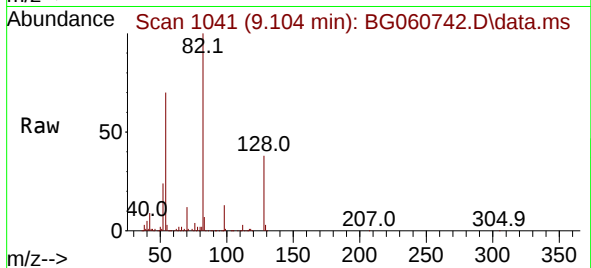
EB-03(2-4)

Tgt Ion: 82 Resp: 33747
Ion Ratio Lower Upper
82 100
128 38.2 31.2 46.8
54 69.8 53.2 79.8

Manual Integrations

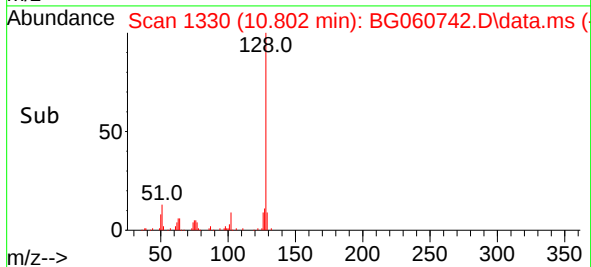
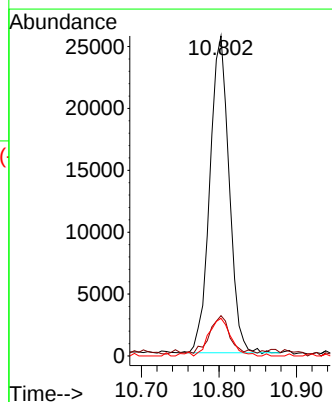
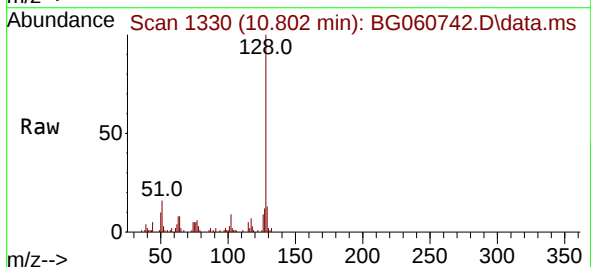
APPROVED

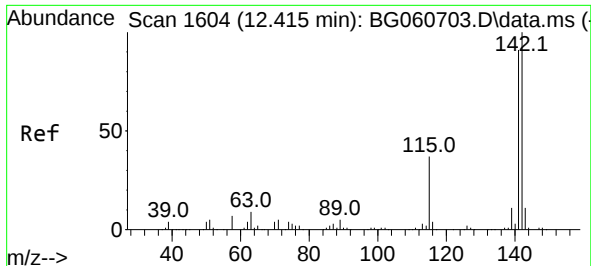
Reviewed By :Jagrut Upadhyay 04/03/2024
Supervised By :mohammad ahmed 04/04/2024



#31
Naphthalene
Concen: 3.156 ng
RT: 10.802 min Scan# 1330
Delta R.T. -0.009 min
Lab File: BG060742.D
Acq: 2 Apr 2024 18:02

Tgt Ion:128 Resp: 44244
Ion Ratio Lower Upper
128 100
129 12.6 8.5 12.7
127 11.8 10.5 15.7





#37

2-Methylnaphthalene

Concen: 2.636 ng

RT: 12.406 min Scan# 1

Delta R.T. -0.009 min

Lab File: BG060742.D

Acq: 2 Apr 2024 18:02

Instrument :

BNA_G

ClientSampleId :

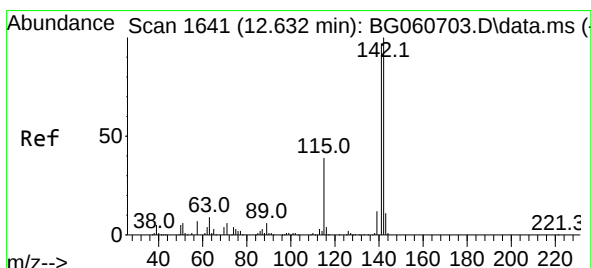
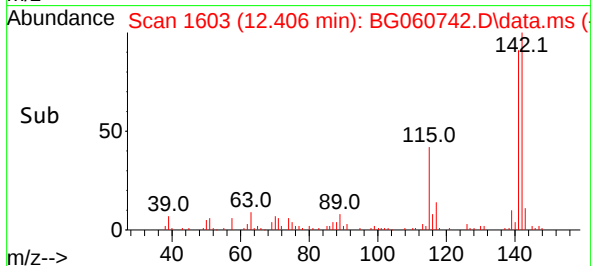
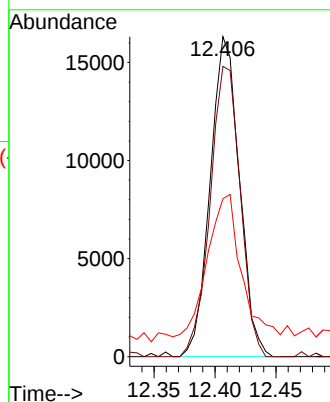
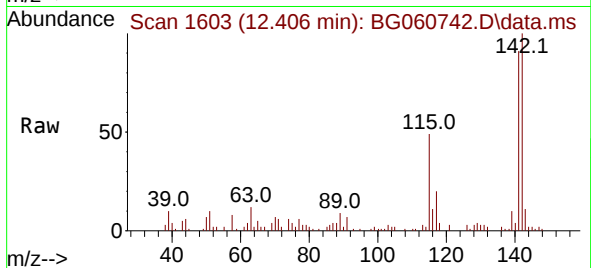
EB-03(2-4)

Tgt Ion:142	Resp:	2716
Ion Ratio	Lower	Upper
142	100	
141	90.7	72.7 109.1
115	49.3	29.9 44.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 04/03/2024
Supervised By :mohammad ahmed 04/04/2024



#38

1-Methylnaphthalene

Concen: 2.480 ng

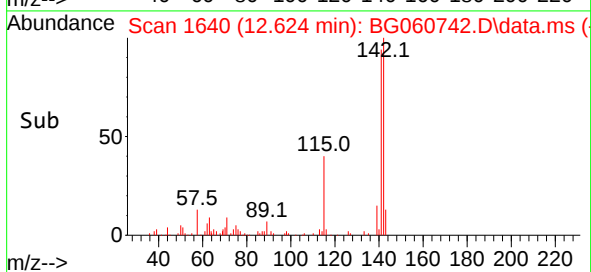
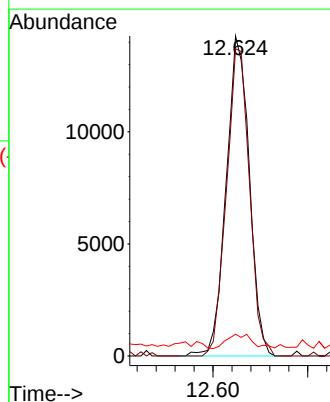
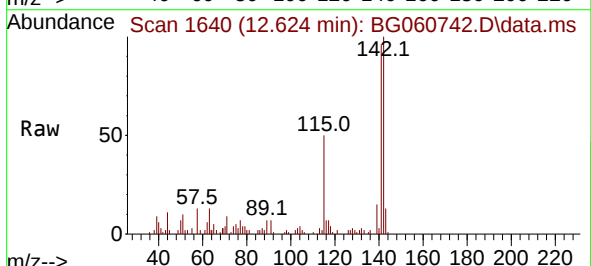
RT: 12.624 min Scan# 1640

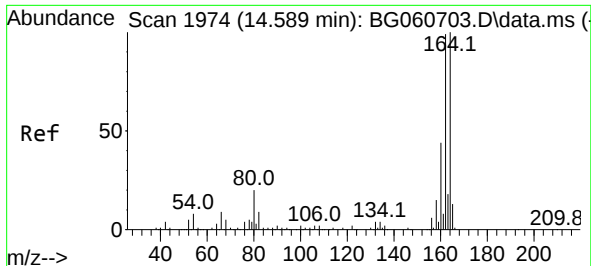
Delta R.T. -0.009 min

Lab File: BG060742.D

Acq: 2 Apr 2024 18:02

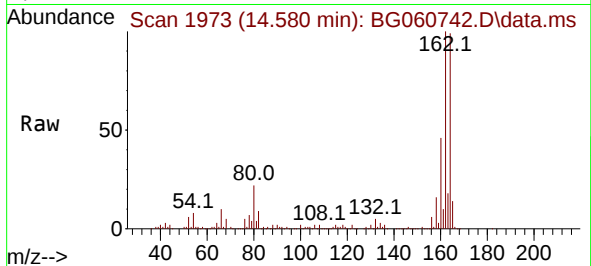
Tgt Ion:142	Resp:	24147
Ion Ratio	Lower	Upper
142	100	
141	96.0	77.7 116.5
116	6.8	3.4 5.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.580 min Scan# 1973
Delta R.T. -0.009 min
Lab File: BG060742.D
Acq: 2 Apr 2024 18:02

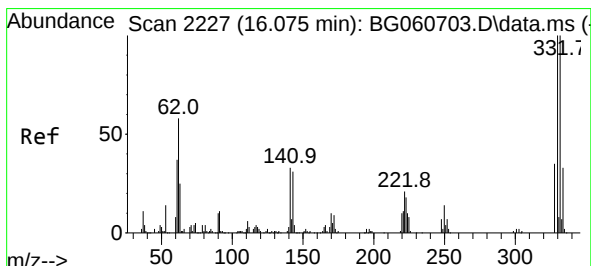
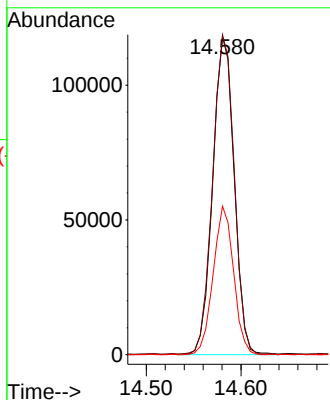
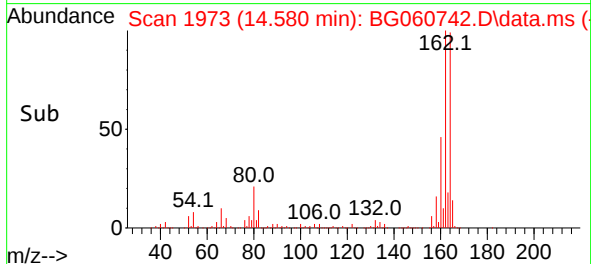
Instrument :
BNA_G
ClientSampleId :
EB-03(2-4)



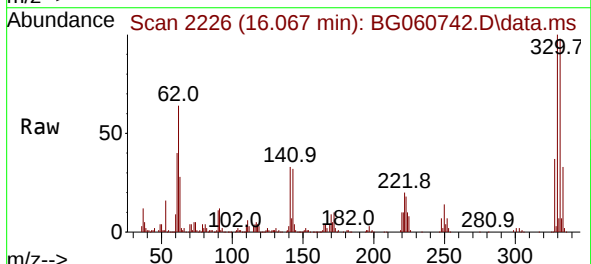
Tgt Ion:164 Resp: 18558
Ion Ratio Lower Upper
164 100
162 100.6 79.5 119.3
160 46.7 35.4 53.0

Manual Integrations
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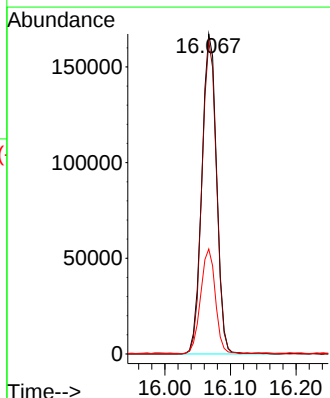
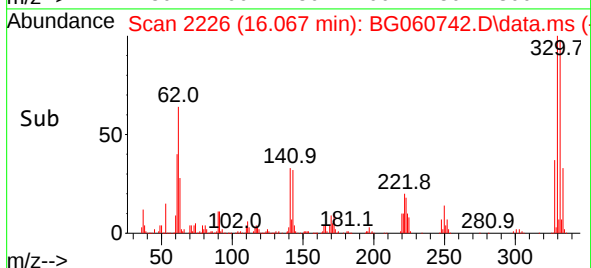
Reviewed By :Jagrut Upadhyay 04/03/2024
Supervised By :mohammad ahmed 04/04/2024

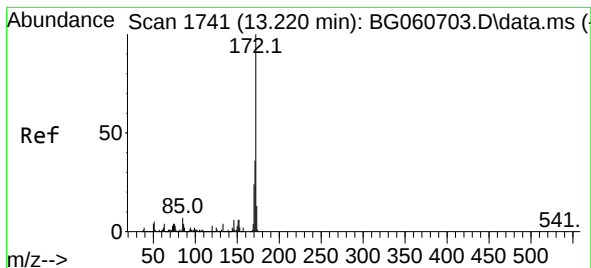


#42
2,4,6-Tribromophenol
Concen: 124.810 ng
RT: 16.067 min Scan# 2226
Delta R.T. -0.009 min
Lab File: BG060742.D
Acq: 2 Apr 2024 18:02



Tgt Ion:330 Resp: 262939
Ion Ratio Lower Upper
330 100
332 96.2 78.2 117.4
141 32.5 27.0 40.6





#45

2-Fluorobiphenyl

Concen: 63.385 ng

RT: 13.211 min Scan# 1

Delta R.T. -0.009 min

Lab File: BG060742.D

Acq: 2 Apr 2024 18:02

Instrument :

BNA_G

ClientSampleId :

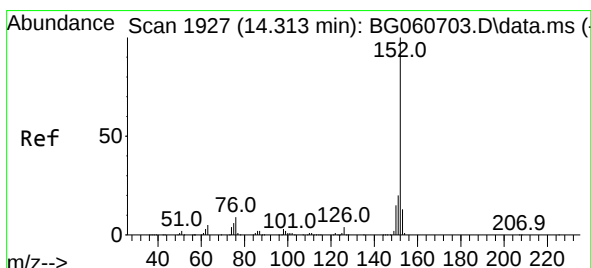
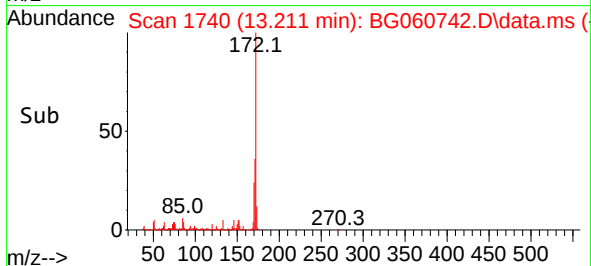
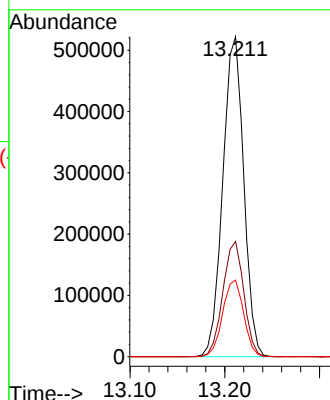
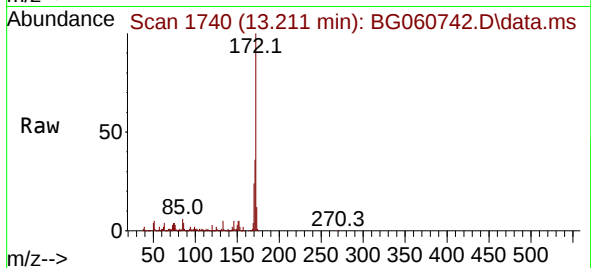
EB-03(2-4)

Tgt Ion:	172	Resp:	801530
Ion Ratio	Lower	Upper	
172	100		
171	36.0	28.7	43.1
170	24.0	19.4	29.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 04/03/2024
Supervised By :mohammad ahmed 04/04/2024



#49

Acenaphthylene

Concen: 2.476 ng m

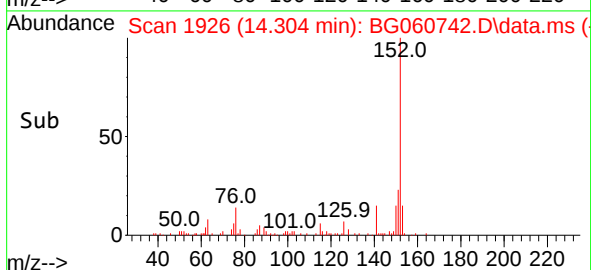
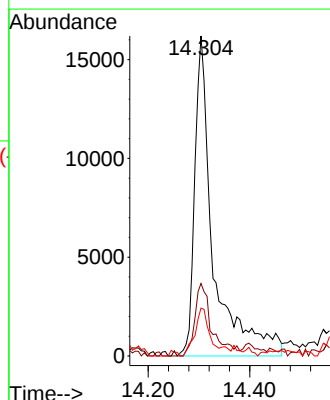
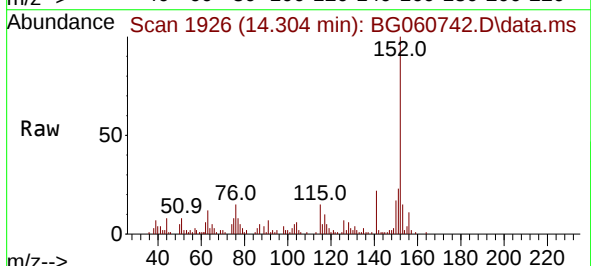
RT: 14.304 min Scan# 1926

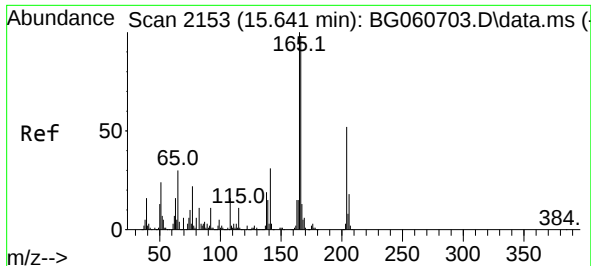
Delta R.T. -0.009 min

Lab File: BG060742.D

Acq: 2 Apr 2024 18:02

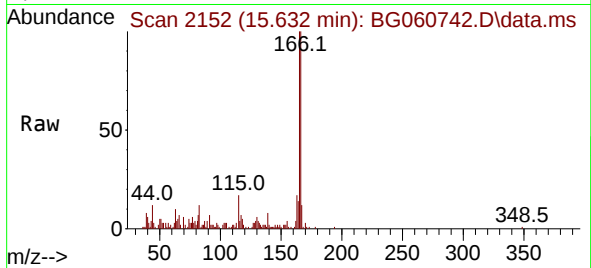
Tgt Ion:	152	Resp:	41437
Ion Ratio	Lower	Upper	
152	100		
151	22.6	16.4	24.6
153	15.0	10.5	15.7





#58
 Fluorene
 Concen: 2.386 ng
 RT: 15.632 min Scan# 2152
 Delta R.T. -0.009 min
 Lab File: BG060742.D
 Acq: 2 Apr 2024 18:02

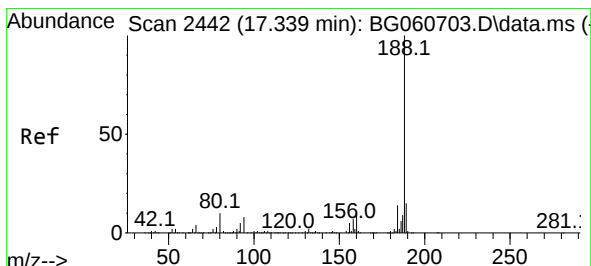
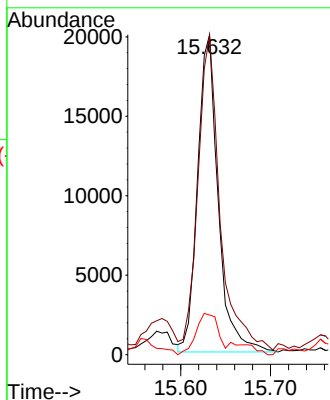
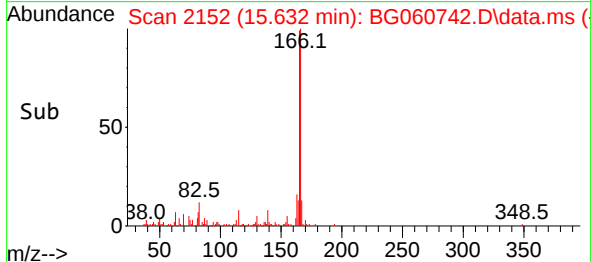
Instrument :
 BNA_G
 ClientSampleId :
 EB-03(2-4)



Tgt Ion:166 Resp: 3173
 Ion Ratio Lower Upper
 166 100
 165 99.8 81.8 122.8
 167 12.4 10.9 16.3

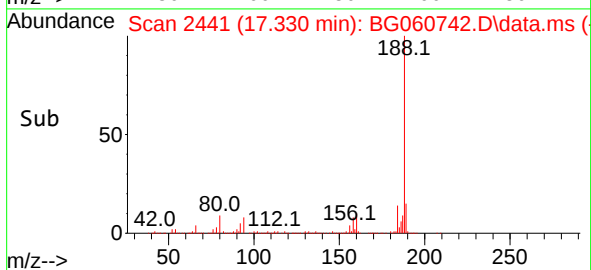
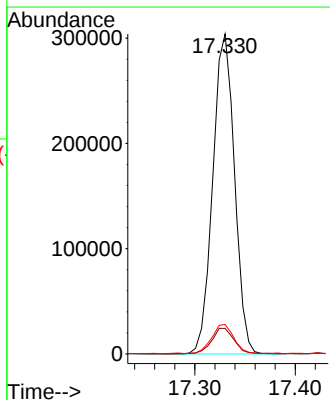
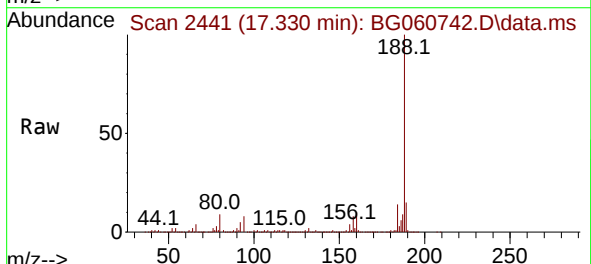
Manual Integrations
 APPROVED

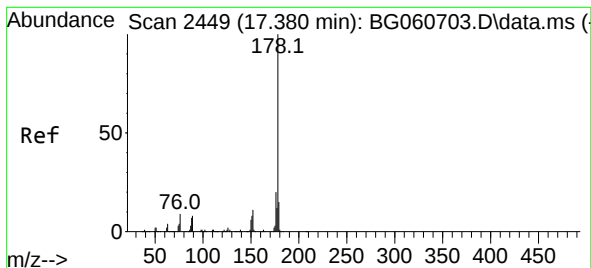
Reviewed By :Jagrut Upadhyay 04/03/2024
 Supervised By :mohammad ahmed 04/04/2024



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.330 min Scan# 2441
 Delta R.T. -0.009 min
 Lab File: BG060742.D
 Acq: 2 Apr 2024 18:02

Tgt Ion:188 Resp: 456741
 Ion Ratio Lower Upper
 188 100
 94 8.0 6.6 9.8
 80 9.2 7.6 11.4





#71

Phenanthrene

Concen: 18.856 ng

RT: 17.371 min Scan# 2448

Delta R.T. -0.009 min

Lab File: BG060742.D

Acq: 2 Apr 2024 18:02

Instrument :

BNA_G

ClientSampleId :

EB-03(2-4)

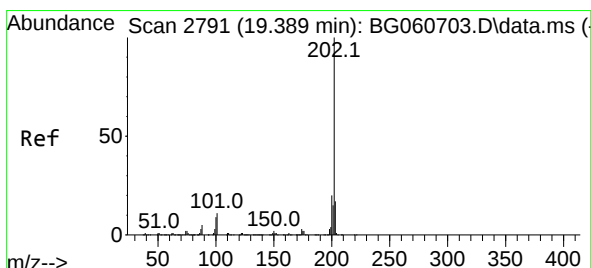
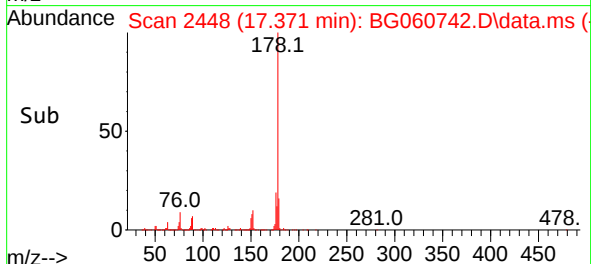
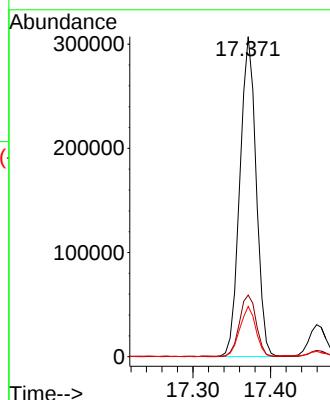
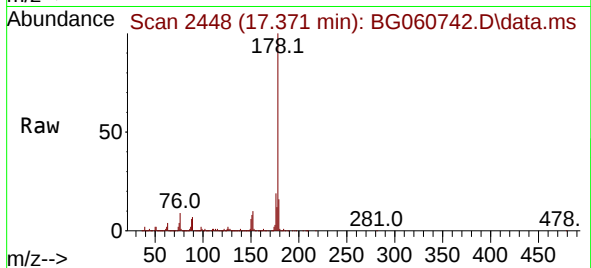
Tgt Ion:178 Resp: 44791

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.6
179	15.7	12.2	18.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 04/03/2024
Supervised By :mohammad ahmed 04/04/2024



#75

Fluoranthene

Concen: 18.702 ng

RT: 19.387 min Scan# 2791

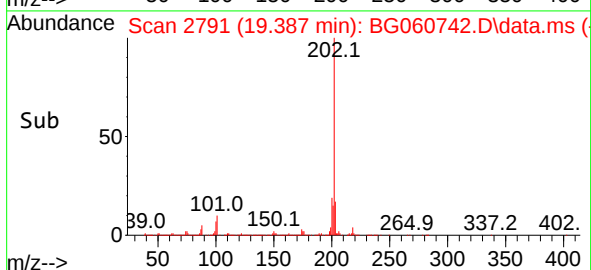
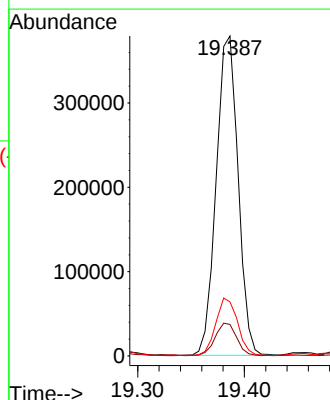
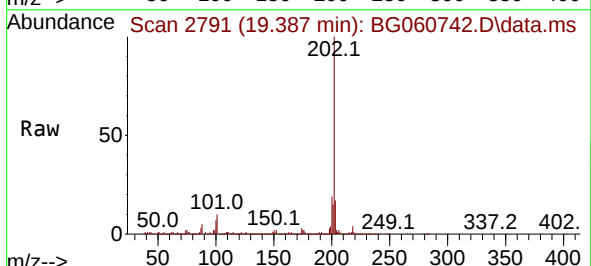
Delta R.T. -0.003 min

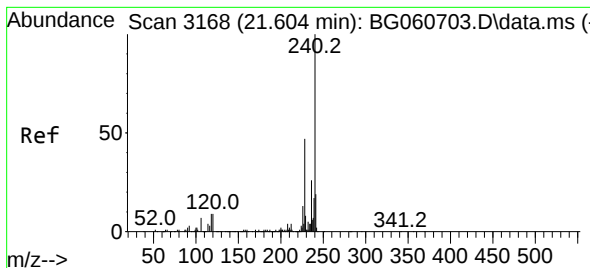
Lab File: BG060742.D

Acq: 2 Apr 2024 18:02

Tgt Ion:202 Resp: 539067

Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	30.8
203	16.9	0.0	37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.596 min Scan# 3167

Delta R.T. -0.009 min

Lab File: BG060742.D

Acq: 2 Apr 2024 18:02

Instrument :

BNA_G

ClientSampleId :

EB-03(2-4)

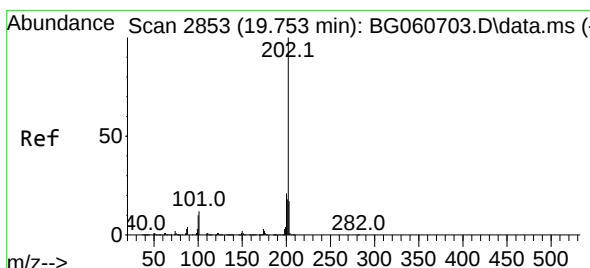
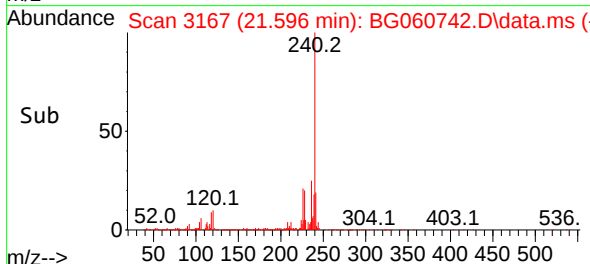
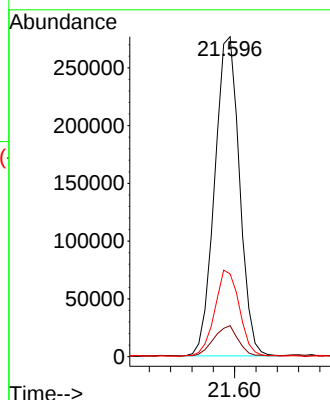
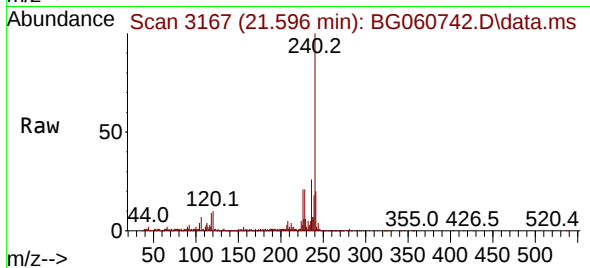
Tgt Ion:240 Resp: 44561

Ion	Ratio	Lower	Upper
240	100		
120	9.7	7.1	10.7
236	25.9	20.7	31.1

Manual Integrations

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Reviewed By :Jagrut Upadhyay 04/03/2024
Supervised By :mohammad ahmed 04/04/2024



#78

Pyrene

Concen: 26.962 ng

RT: 19.745 min Scan# 2852

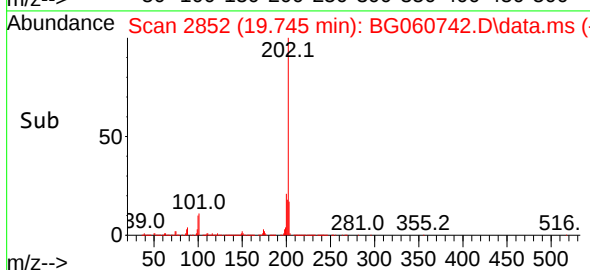
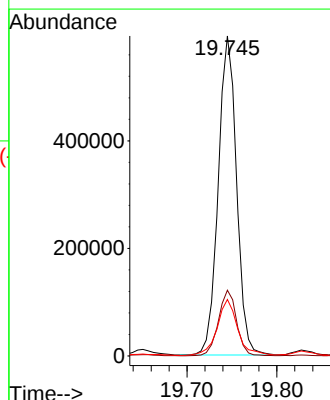
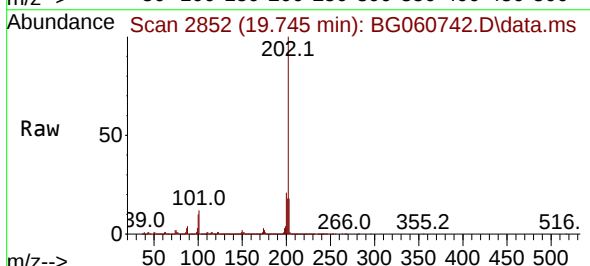
Delta R.T. -0.009 min

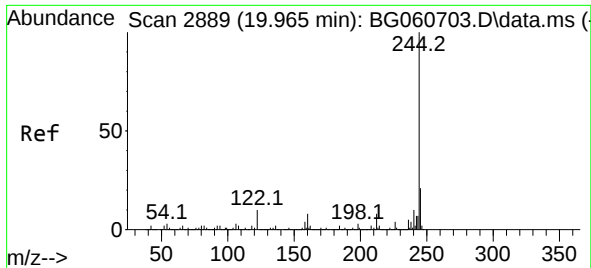
Lab File: BG060742.D

Acq: 2 Apr 2024 18:02

Tgt Ion:202 Resp: 840267

Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.0	25.4
203	17.7	14.0	21.0





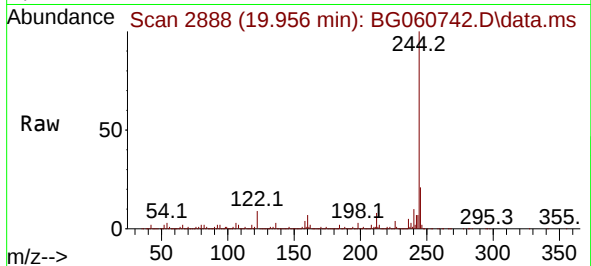
#79
 Terphenyl-d14
 Concen: 64.460 ng
 RT: 19.956 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BG060742.D
 Acq: 2 Apr 2024 18:02

Instrument :

BNA_G

ClientSampleId :

EB-03(2-4)

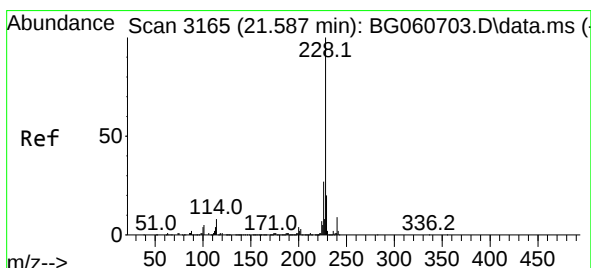
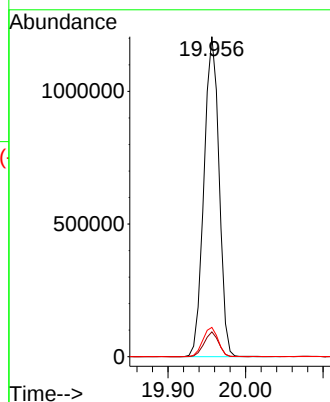
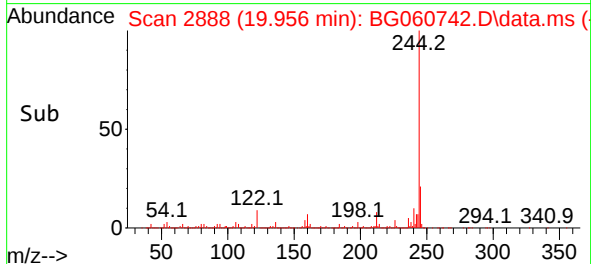


Tgt Ion:244 Resp: 1631279
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.2 9.2
 122 9.1 7.8 11.8

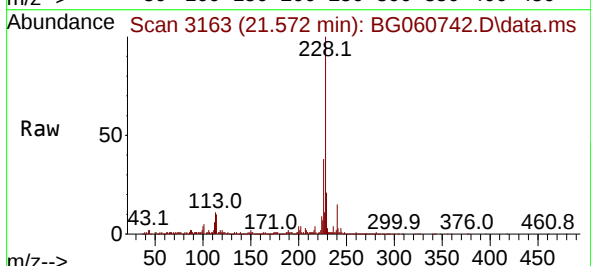
Manual Integrations

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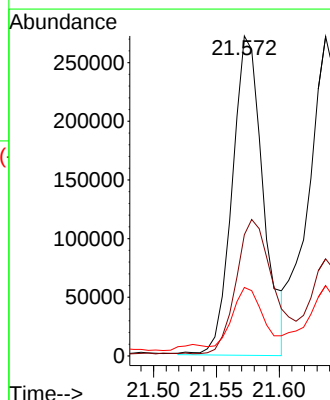
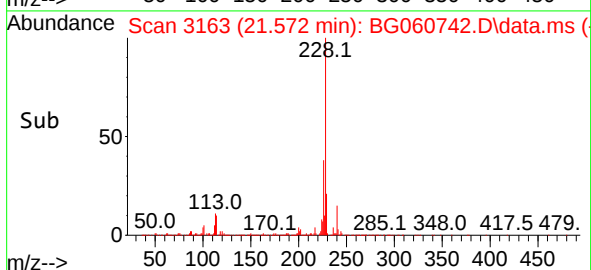
Reviewed By :Jagrut Upadhyay 04/03/2024
 Supervised By :mohammad ahmed 04/04/2024

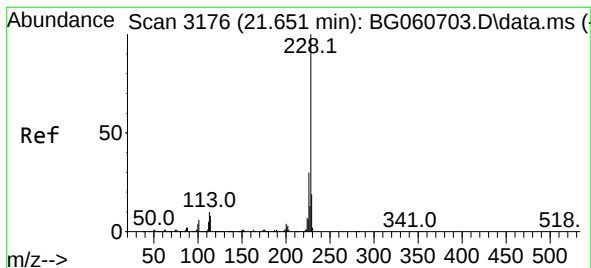


#81
 Benzo(a)anthracene
 Concen: 14.856 ng m
 RT: 21.572 min Scan# 3163
 Delta R.T. -0.014 min
 Lab File: BG060742.D
 Acq: 2 Apr 2024 18:02



Tgt Ion:228 Resp: 466649
 Ion Ratio Lower Upper
 228 100
 226 37.9 21.7 32.5#
 229 21.4 15.8 23.8





#83

Chrysene

Concen: 16.212 ng

RT: 21.637 min Scan# 31

Delta R.T. -0.014 min

Lab File: BG060742.D

Acq: 2 Apr 2024 18:02

Instrument :

BNA_G

ClientSampleId :

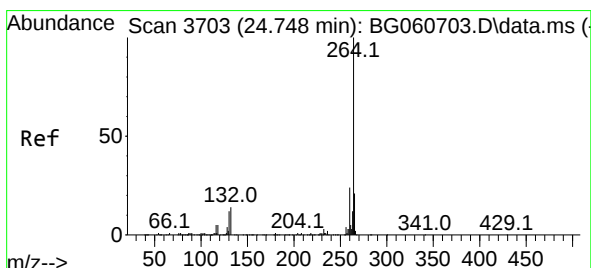
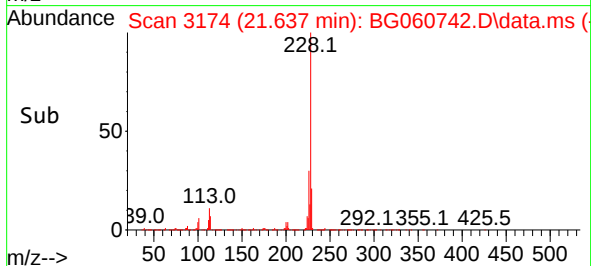
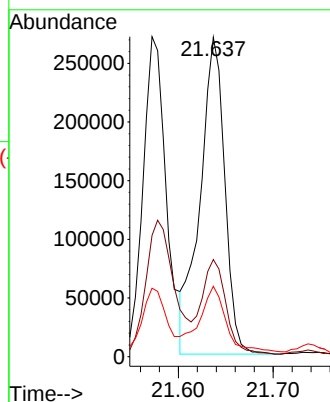
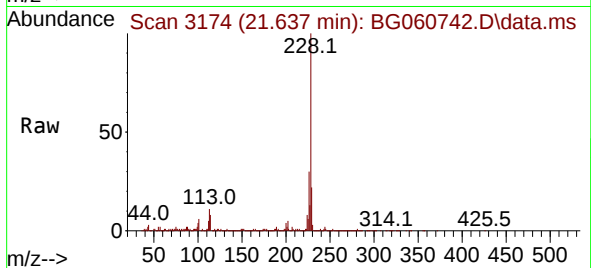
EB-03(2-4)

Tgt Ion:	228	Resp:	49082
Ion Ratio	Lower	Upper	
228	100		
226	30.4	24.2	36.4
229	22.1	15.5	23.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 04/03/2024
Supervised By :mohammad ahmed 04/04/2024



#86

Perylene-d12

Concen: 20.000 ng

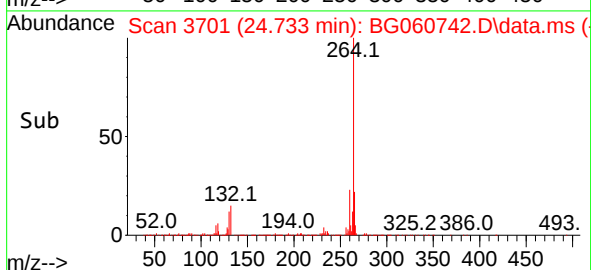
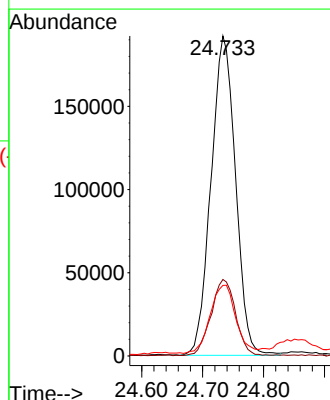
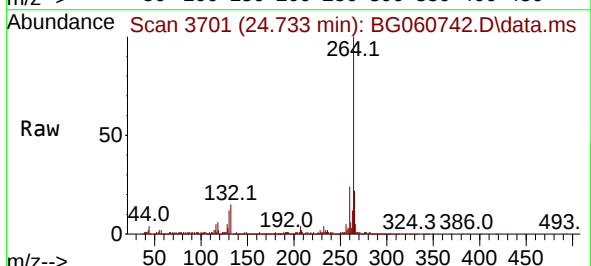
RT: 24.733 min Scan# 3701

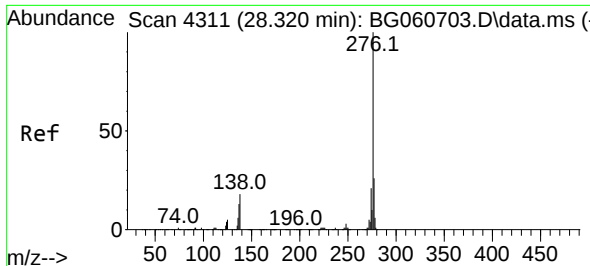
Delta R.T. -0.014 min

Lab File: BG060742.D

Acq: 2 Apr 2024 18:02

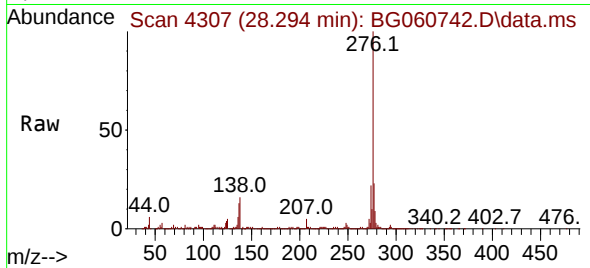
Tgt Ion:	264	Resp:	535206
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.5	29.3
265	22.1	16.9	25.3





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 14.012 ng
 RT: 28.294 min Scan# 41
 Delta R.T. -0.026 min
 Lab File: BG060742.D
 Acq: 2 Apr 2024 18:02

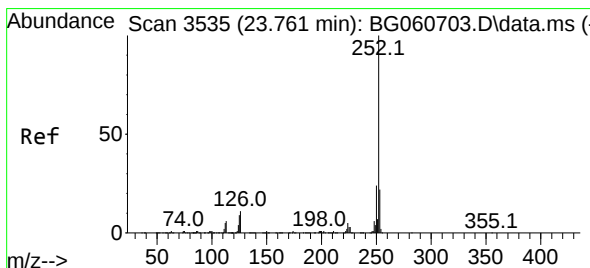
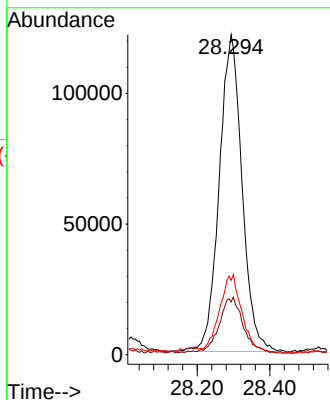
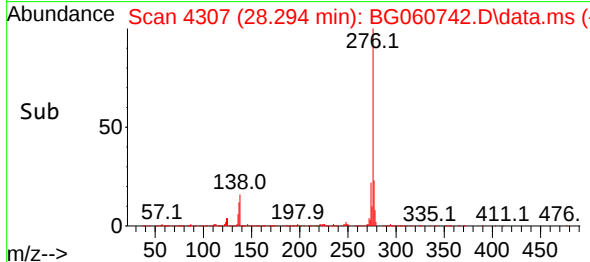
Instrument :
 BNA_G
 ClientSampleId :
 EB-03(2-4)



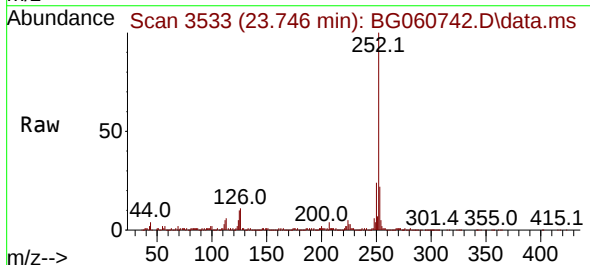
Tgt Ion:276 Resp: 52809
 Ion Ratio Lower Upper
 276 100
 138 18.0 12.4 18.6
 277 24.9 20.2 30.2

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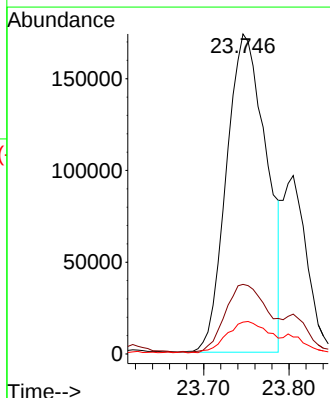
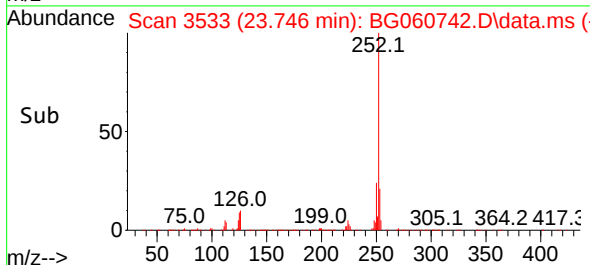
Reviewed By :Jagrut Upadhyay 04/03/2024
 Supervised By :mohammad ahmed 04/04/2024

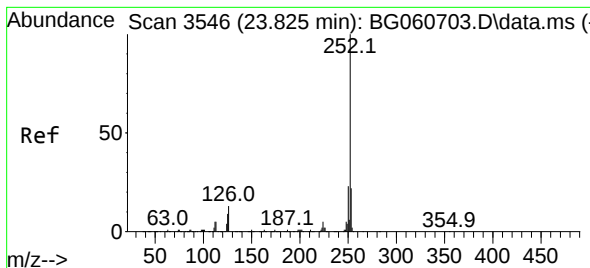


#88
 Benzo(b)fluoranthene
 Concen: 18.432 ng
 RT: 23.746 min Scan# 3533
 Delta R.T. -0.014 min
 Lab File: BG060742.D
 Acq: 2 Apr 2024 18:02



Tgt Ion:252 Resp: 566739
 Ion Ratio Lower Upper
 252 100
 253 21.8 17.8 26.8
 125 9.9 7.1 10.7





#89

Benzo(k)fluoranthene

Concen: 6.175 ng m

RT: 23.805 min Scan# 3

Delta R.T. -0.020 min

Lab File: BG060742.D

Acq: 2 Apr 2024 18:02

Instrument :

BNA_G

ClientSampleId :

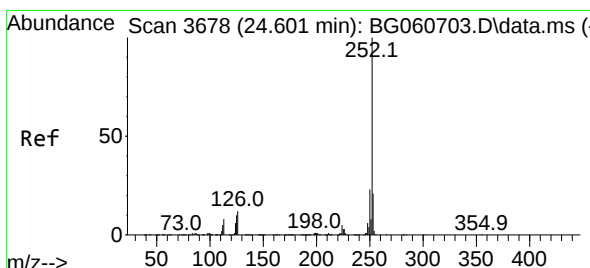
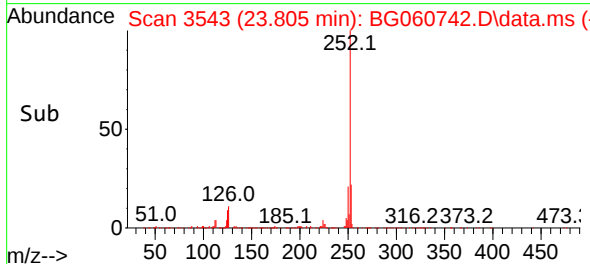
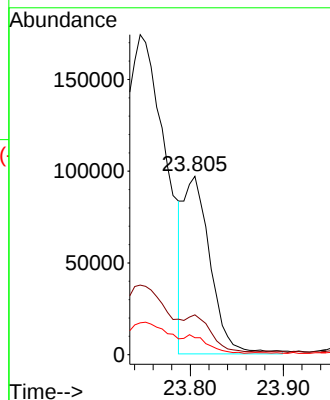
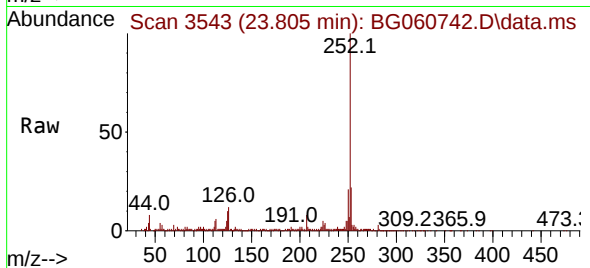
EB-03(2-4)

Tgt Ion:252 Resp: 194320
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.6 26.4
 125 9.5 7.5 11.3

Manual Integrations

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 Supervised By :mohammad ahmed 04/04/2024



#90

Benzo(a)pyrene

Concen: 18.475 ng

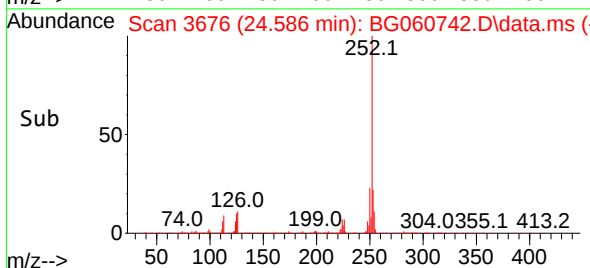
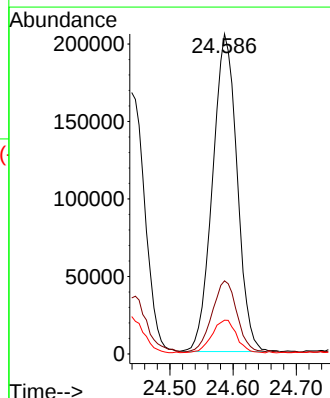
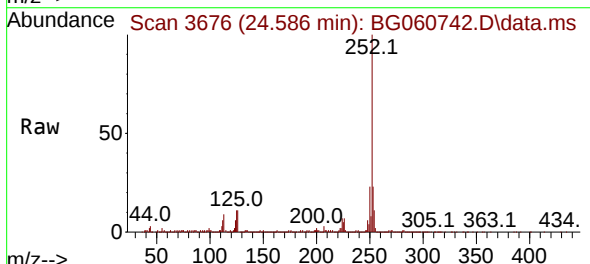
RT: 24.586 min Scan# 3676

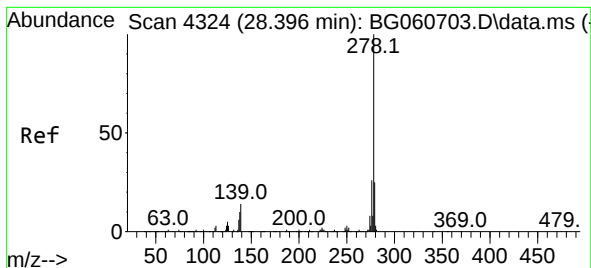
Delta R.T. -0.014 min

Lab File: BG060742.D

Acq: 2 Apr 2024 18:02

Tgt Ion:252 Resp: 552054
 Ion Ratio Lower Upper
 252 100
 253 22.9 16.8 25.2
 125 10.6 7.6 11.4





#91

Dibenzo(a,h)anthracene

Concen: 3.453 ng m

RT: 28.352 min Scan# 41

Delta R.T. -0.044 min

Lab File: BG060742.D

Acq: 2 Apr 2024 18:02

Instrument :

BNA_G

ClientSampleId :

EB-03(2-4)

Tgt Ion:278 Resp: 109690

Ion Ratio Lower Upper

278 100

139 16.0 11.1 16.7

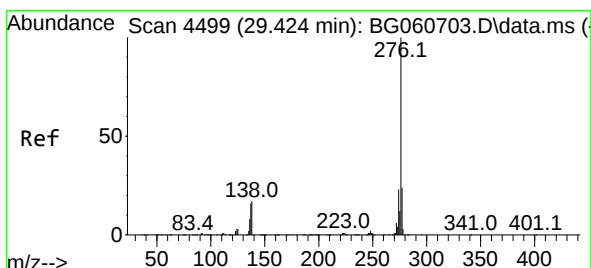
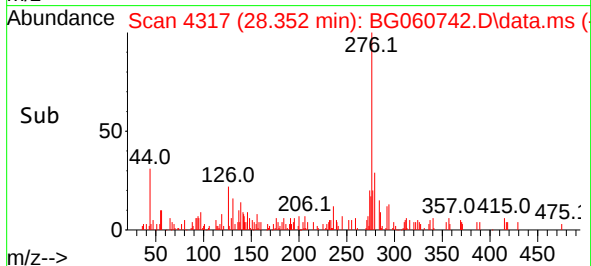
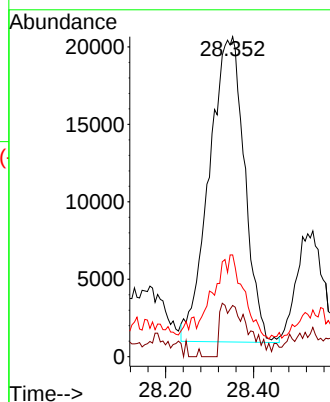
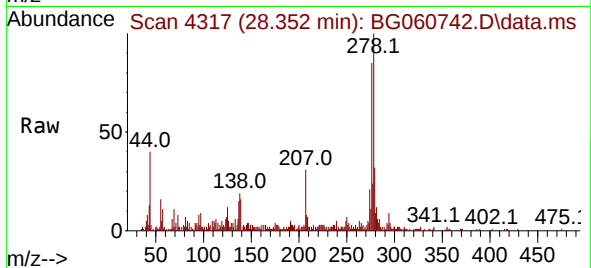
279 31.8 19.8 29.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 04/03/2024

Supervised By :mohammad ahmed 04/04/2024



#92

Benzo(g,h,i)perylene

Concen: 23.757 ng

RT: 29.404 min Scan# 4496

Delta R.T. -0.020 min

Lab File: BG060742.D

Acq: 2 Apr 2024 18:02

Tgt Ion:276 Resp: 734220

Ion Ratio Lower Upper

276 100

277 23.0 18.9 28.3

138 19.8 14.0 21.0

