

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040224\
 Data File : BG060749.D
 Acq On : 2 Apr 2024 22:48
 Operator : MA/JU
 Sample : P1879-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EB-04(2-4)

Manual Integrations
 APPROVED

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

Quant Time: Apr 03 00:45:22 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	7.952	152	70237	20.000	ng	0.00
21) Naphthalene-d8	10.749	136	280376	20.000	ng	0.00
39) Acenaphthene-d10	14.580	164	204585	20.000	ng	0.00
64) Phenanthrene-d10	17.330	188	472931	20.000	ng	0.00
76) Chrysene-d12	21.589	240	454817	20.000	ng	-0.01
86) Perylene-d12	24.727	264	532998	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.538	112	390606	92.644	ng	0.00
7) Phenol-d6	7.112	99	541645	86.546	ng	0.00
23) Nitrobenzene-d5	9.104	82	323493	65.837	ng	0.00
42) 2,4,6-Tribromophenol	16.067	330	261814	112.736	ng	0.00
45) 2-Fluorobiphenyl	13.205	172	803423	57.635	ng	-0.01
79) Terphenyl-d14	19.956	244	1475173	57.112	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.796	128	35962	2.371	ng	98
71) Phenanthrene	17.371	178	156830	6.376	ng	98
75) Fluoranthene	19.380	202	207031	6.937	ng	96
78) Pyrene	19.745	202	310939	9.775	ng	99
81) Benzo(a)anthracene	21.572	228	197800m	6.170	ng	
83) Chrysene	21.636	228	208350	6.743	ng	96
87) Indeno(1,2,3-cd)pyrene	28.276	276	166193	4.428	ng	97
88) Benzo(b)fluoranthene	23.746	252	221304	7.227	ng	98
89) Benzo(k)fluoranthene	23.799	252	66502m	2.122	ng	
90) Benzo(a)pyrene	24.580	252	218340	7.337	ng	95
92) Benzo(g,h,i)perylene	29.386	276	225160	7.315	ng	96

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

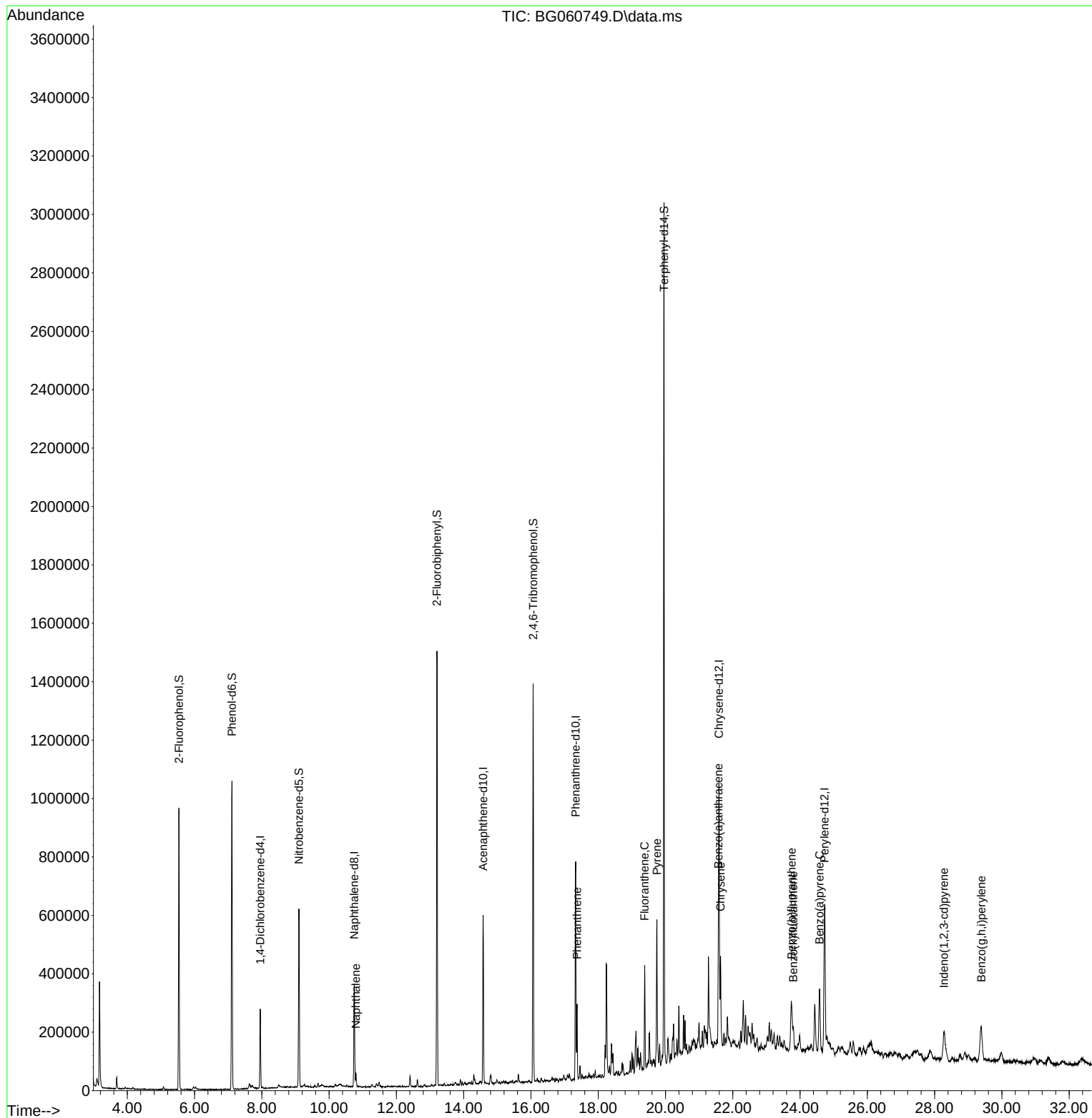
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040224\
Data File : BG060749.D
Acq On : 2 Apr 2024 22:48
Operator : MA/JU
Sample : P1879-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

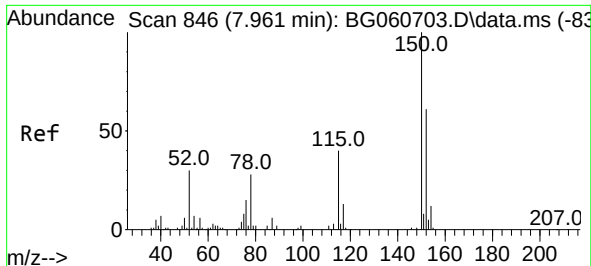
Instrument :
BNA_G
ClientSampleId :
EB-04(2-4)

Quant Time: Apr 03 00:45:22 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

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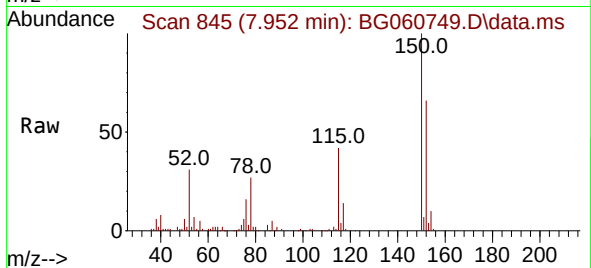
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.952 min Scan# 846
Delta R.T. -0.009 min
Lab File: BG060749.D
Acq: 2 Apr 2024 22:48

Instrument :

BNA_G

ClientSampleId :

EB-04(2-4)

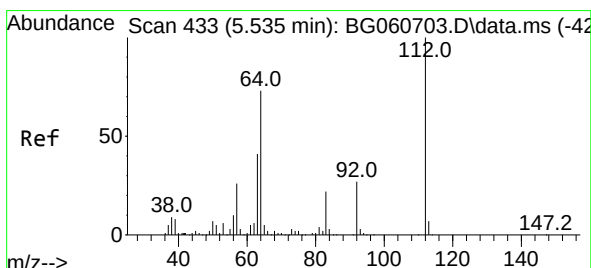
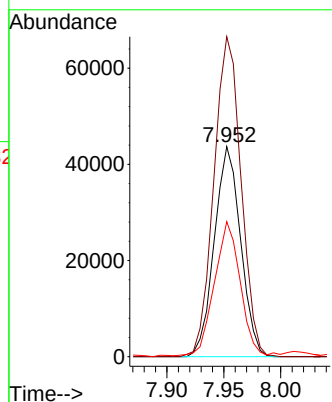
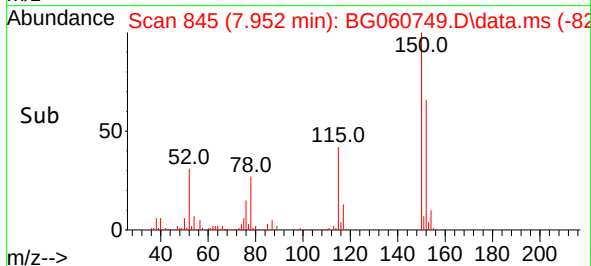


Tgt Ion:152 Resp: 7023
Ion Ratio Lower Upper
152 100
150 152.3 130.2 195.4
115 64.3 51.6 77.4

Manual Integrations

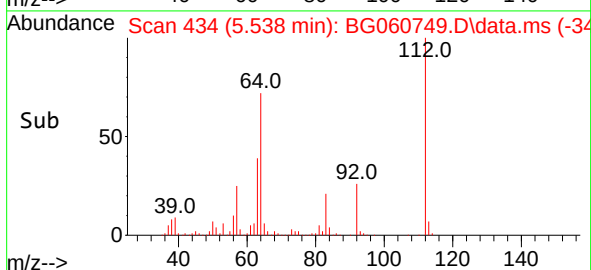
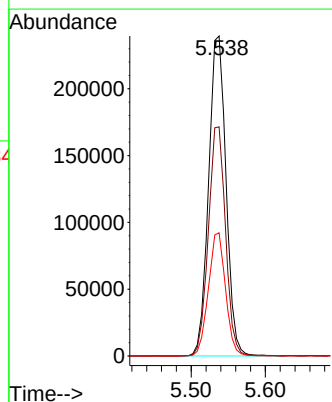
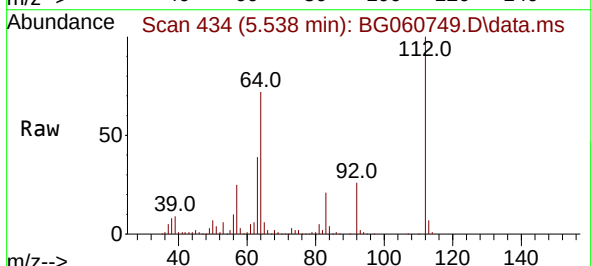
APPROVED

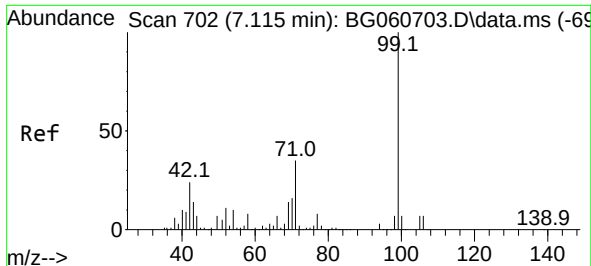
Reviewed By :Jagrut Upadhyay 04/03/2024
Supervised By :mohammad ahmed 04/04/2024



#5
2-Fluorophenol
Concen: 92.644 ng
RT: 5.538 min Scan# 434
Delta R.T. 0.003 min
Lab File: BG060749.D
Acq: 2 Apr 2024 22:48

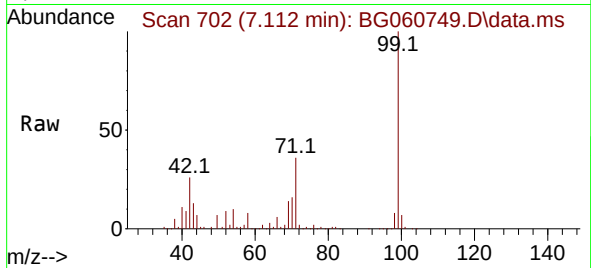
Tgt Ion:112 Resp: 390606
Ion Ratio Lower Upper
112 100
64 71.6 58.4 87.6
63 38.5 32.7 49.1





#7
Phenol-d6
Concen: 86.546 ng
RT: 7.112 min Scan# 702
Delta R.T. -0.003 min
Lab File: BG060749.D
Acq: 2 Apr 2024 22:48

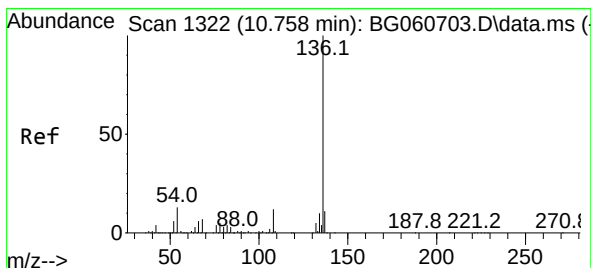
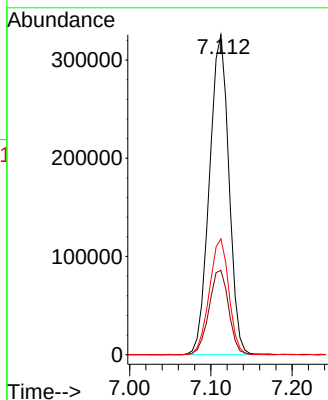
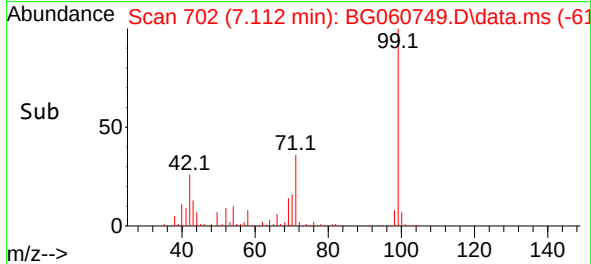
Instrument :
BNA_G
ClientSampleId :
EB-04(2-4)



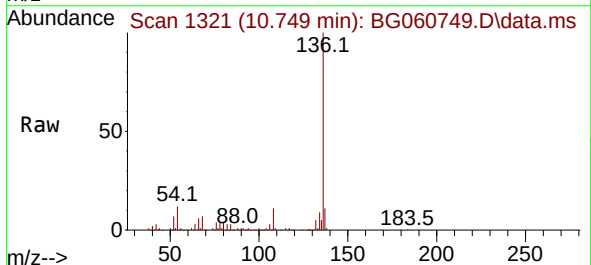
Tgt Ion: 99 Resp: 541649
Ion Ratio Lower Upper
99 100
42 26.3 19.4 29.2
71 36.2 28.2 42.2

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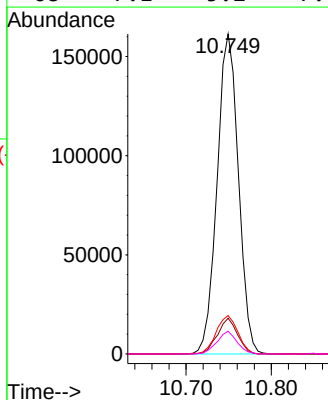
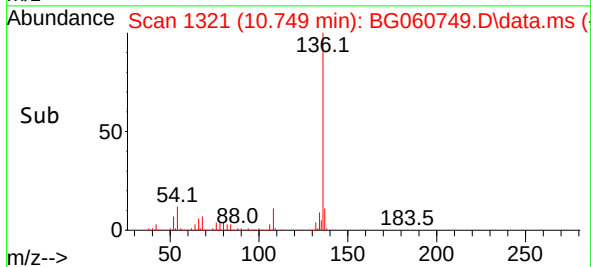
Reviewed By :Jagrut Upadhyay 04/03/2024
Supervised By :mohammad ahmed 04/04/2024

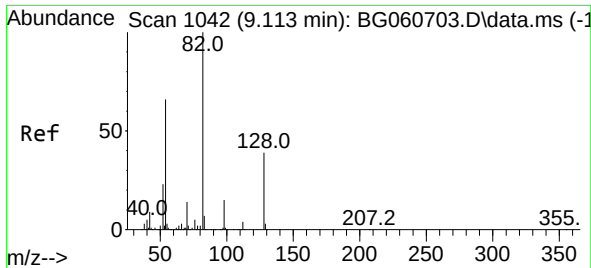


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.749 min Scan# 1321
Delta R.T. -0.009 min
Lab File: BG060749.D
Acq: 2 Apr 2024 22:48



Tgt Ion:136 Resp: 280376
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 12.0 10.2 15.2
68 7.1 5.2 7.8





#23
Nitrobenzene-d5
Concen: 65.837 ng
RT: 9.104 min Scan# 1041
Delta R.T. -0.009 min
Lab File: BG060749.D
Acq: 2 Apr 2024 22:48

Instrument :

BNA_G

ClientSampleId :

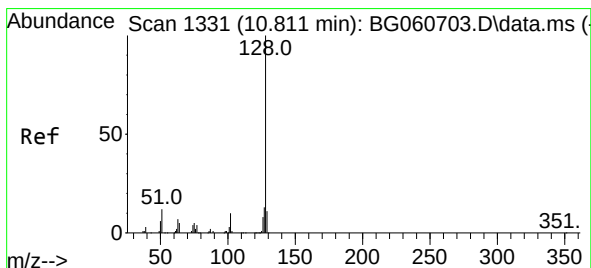
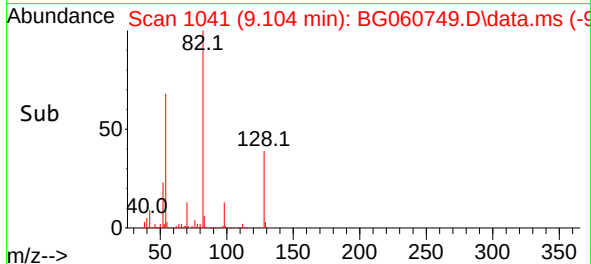
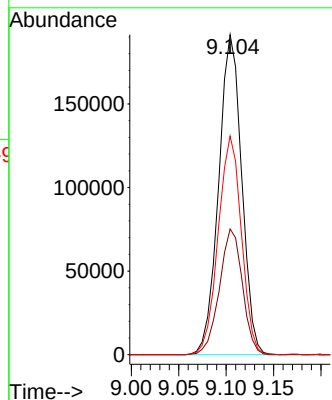
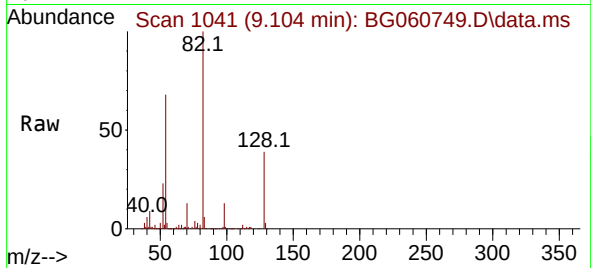
EB-04(2-4)

Tgt Ion: 82 Resp: 32349
Ion Ratio Lower Upper
82 100
128 39.3 31.2 46.8
54 68.3 53.2 79.8

Manual Integrations

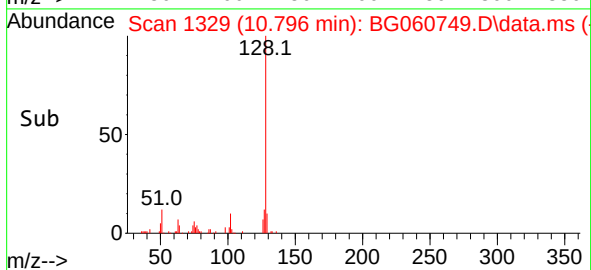
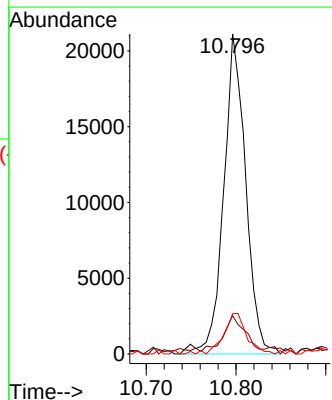
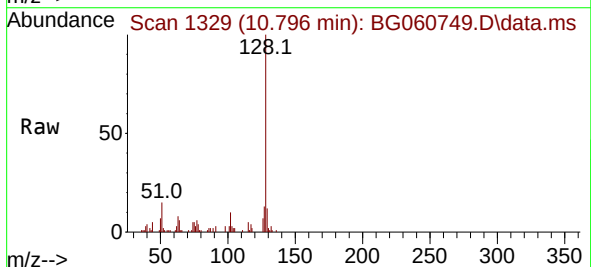
APPROVED

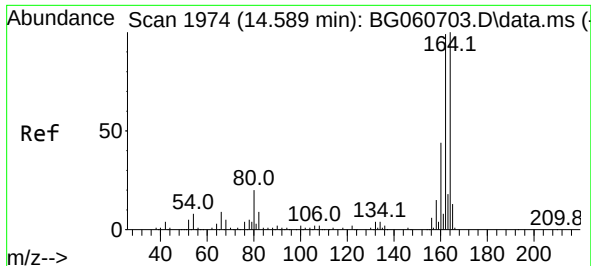
Reviewed By :Jagrut Upadhyay 04/03/2024
Supervised By :mohammad ahmed 04/04/2024



#31
Naphthalene
Concen: 2.371 ng
RT: 10.796 min Scan# 1329
Delta R.T. -0.015 min
Lab File: BG060749.D
Acq: 2 Apr 2024 22:48

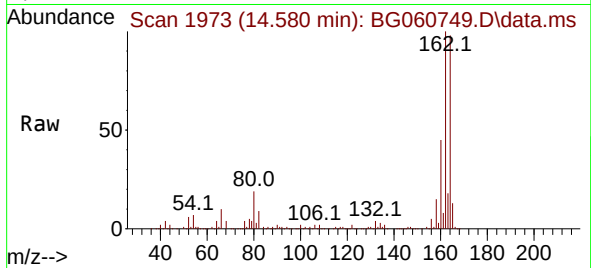
Tgt Ion:128 Resp: 35962
Ion Ratio Lower Upper
128 100
129 12.0 8.5 12.7
127 12.6 10.5 15.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.580 min Scan# 1974
Delta R.T. -0.009 min
Lab File: BG060749.D
Acq: 2 Apr 2024 22:48

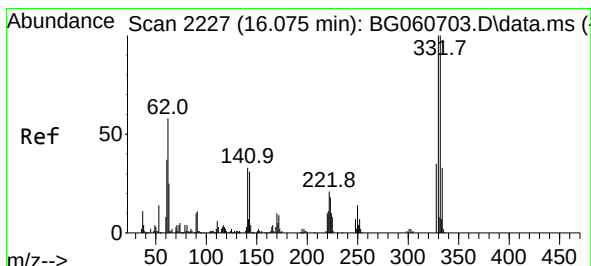
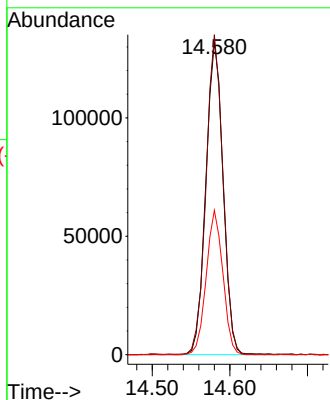
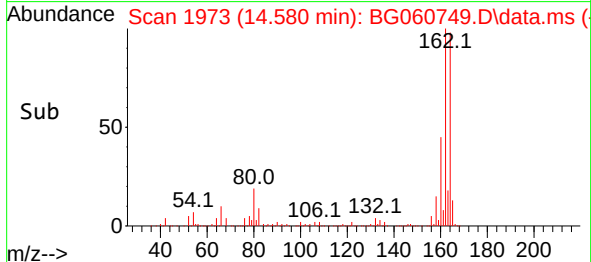
Instrument :
BNA_G
ClientSampleId :
EB-04(2-4)



Tgt Ion:164 Resp: 204585
Ion Ratio Lower Upper
164 100
162 102.4 79.5 119.3
160 46.2 35.4 53.0

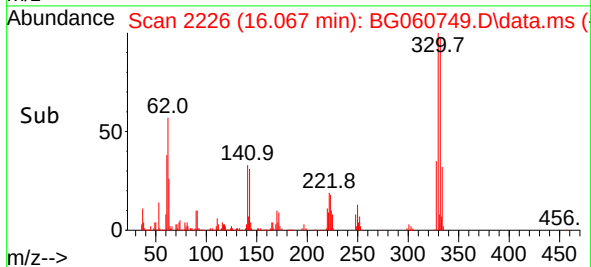
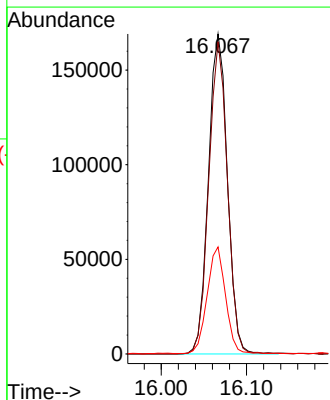
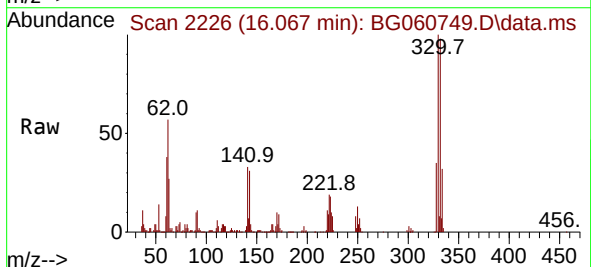
Manual Integrations
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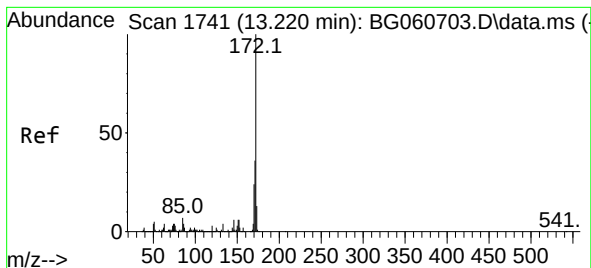
Reviewed By :Jagrut Upadhyay 04/03/2024
Supervised By :mohammad ahmed 04/04/2024



#42
2,4,6-Tribromophenol
Concen: 112.736 ng
RT: 16.067 min Scan# 2226
Delta R.T. -0.009 min
Lab File: BG060749.D
Acq: 2 Apr 2024 22:48

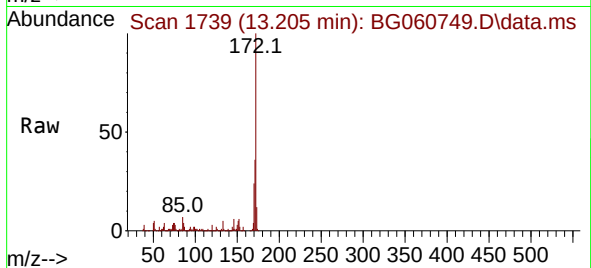
Tgt Ion:330 Resp: 261814
Ion Ratio Lower Upper
330 100
332 95.9 78.2 117.4
141 32.1 27.0 40.6





#45
2-Fluorobiphenyl
Concen: 57.635 ng
RT: 13.205 min Scan# 1739
Delta R.T. -0.015 min
Lab File: BG060749.D
Acq: 2 Apr 2024 22:48

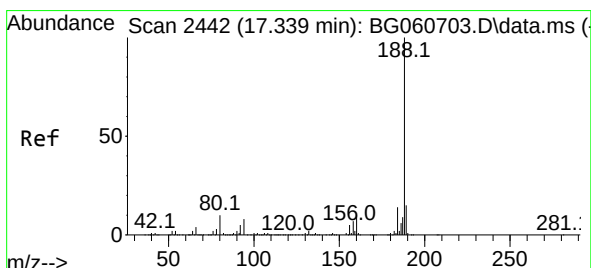
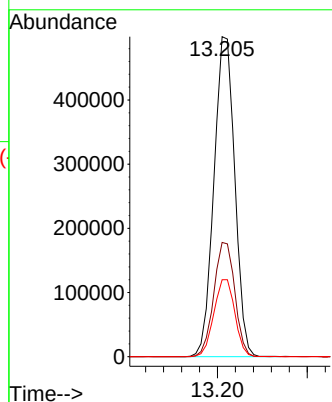
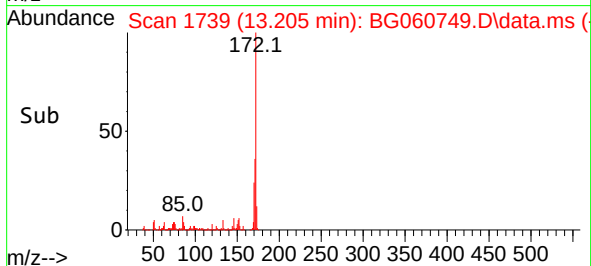
Instrument :
BNA_G
ClientSampleId :
EB-04(2-4)



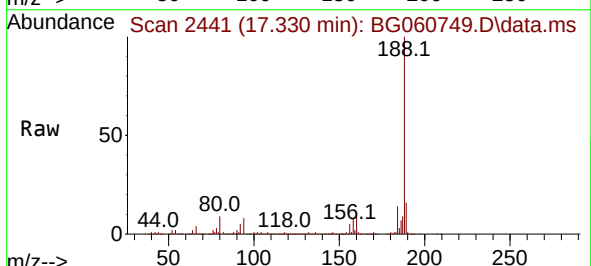
Tgt Ion:172 Resp: 803423
Ion Ratio Lower Upper
172 100
171 35.7 28.7 43.1
170 24.0 19.4 29.0

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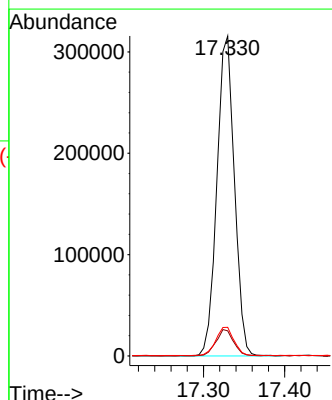
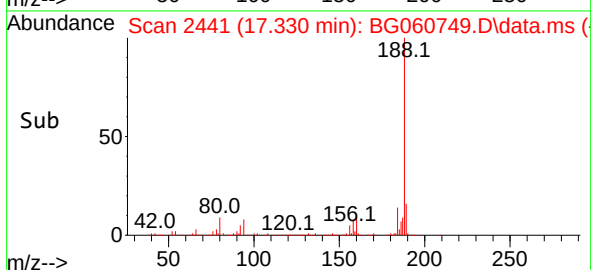
Reviewed By :Jagrut Upadhyay 04/03/2024
Supervised By :mohammad ahmed 04/04/2024

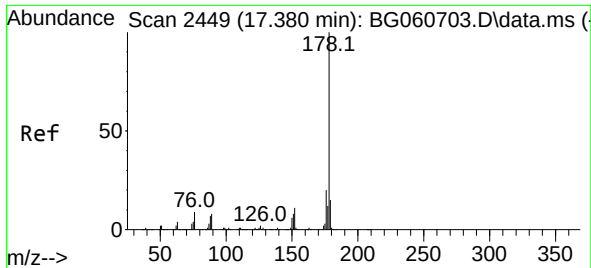


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.330 min Scan# 2441
Delta R.T. -0.009 min
Lab File: BG060749.D
Acq: 2 Apr 2024 22:48



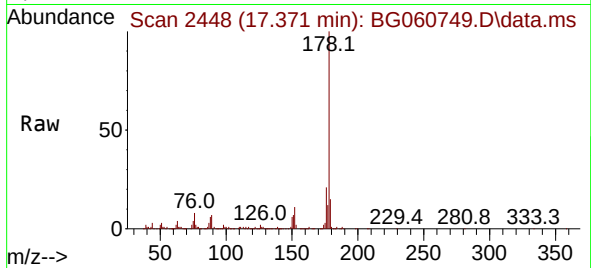
Tgt Ion:188 Resp: 472931
Ion Ratio Lower Upper
188 100
94 7.9 6.6 9.8
80 8.9 7.6 11.4





#71
Phenanthrene
Concen: 6.376 ng
RT: 17.371 min Scan# 2449
Delta R.T. -0.009 min
Lab File: BG060749.D
Acq: 2 Apr 2024 22:48

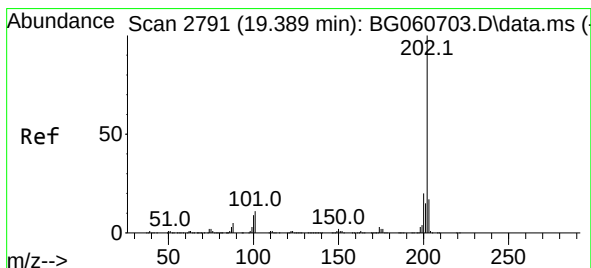
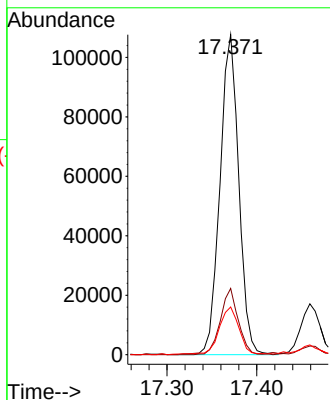
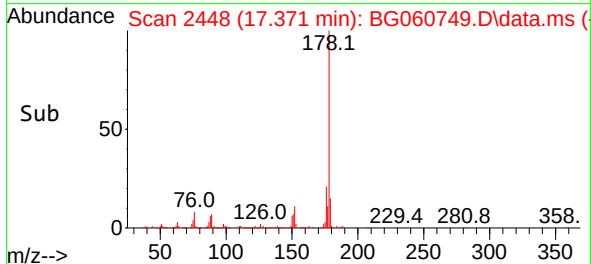
Instrument :
BNA_G
ClientSampleId :
EB-04(2-4)



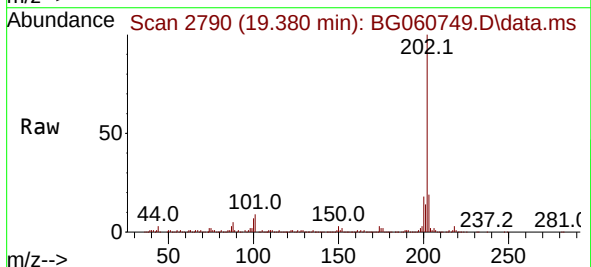
Tgt Ion:178 Resp: 156830
Ion Ratio Lower Upper
178 100
176 20.7 15.8 23.6
179 14.9 12.2 18.4

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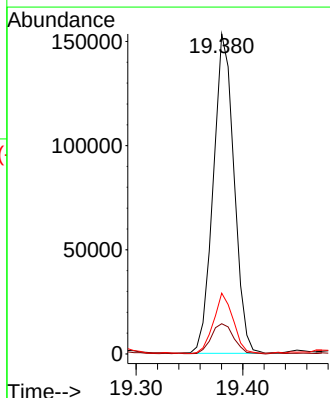
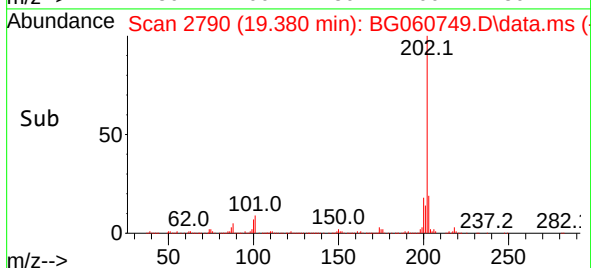
Reviewed By :Jagrut Upadhyay 04/03/2024
Supervised By :mohammad ahmed 04/04/2024

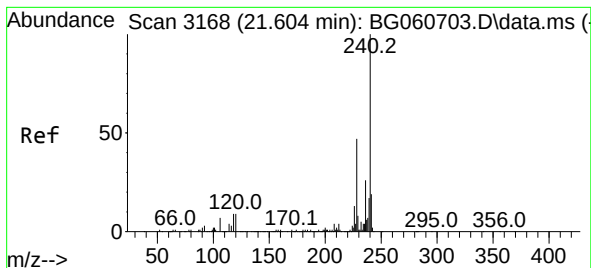


#75
Fluoranthene
Concen: 6.937 ng
RT: 19.380 min Scan# 2790
Delta R.T. -0.009 min
Lab File: BG060749.D
Acq: 2 Apr 2024 22:48



Tgt Ion:202 Resp: 207031
Ion Ratio Lower Upper
202 100
101 9.4 0.0 30.8
203 19.0 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.589 min Scan# 3166

Delta R.T. -0.015 min

Lab File: BG060749.D

Acq: 2 Apr 2024 22:48

Instrument :

BNA_G

ClientSampleId :

EB-04(2-4)

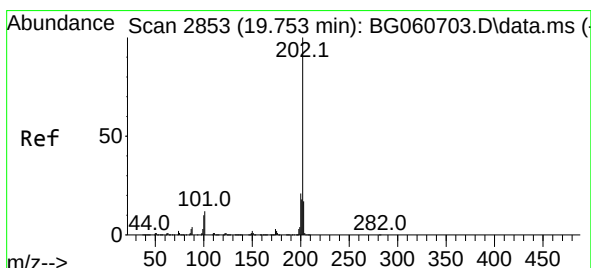
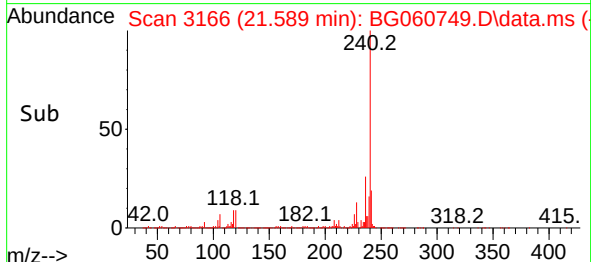
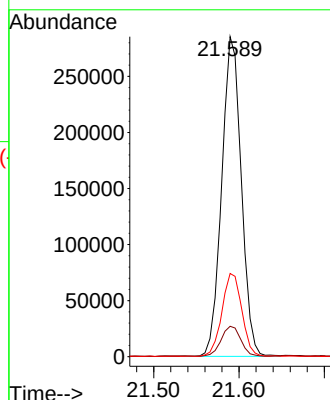
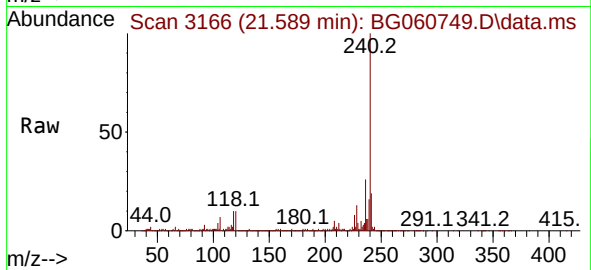
Tgt Ion:240 Resp: 45481

Ion	Ratio	Lower	Upper
240	100		
120	9.5	7.1	10.7
236	26.0	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: 9.775 ng

RT: 19.745 min Scan# 2852

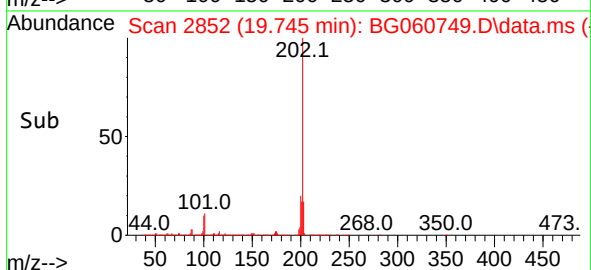
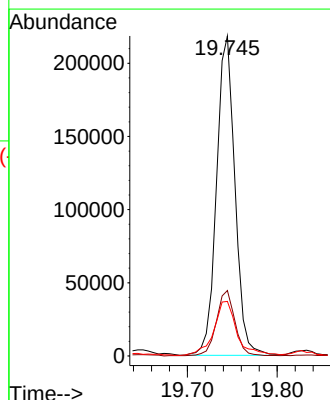
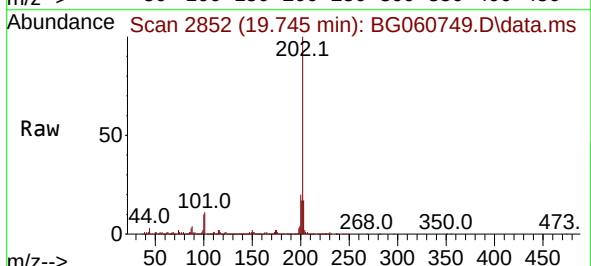
Delta R.T. -0.009 min

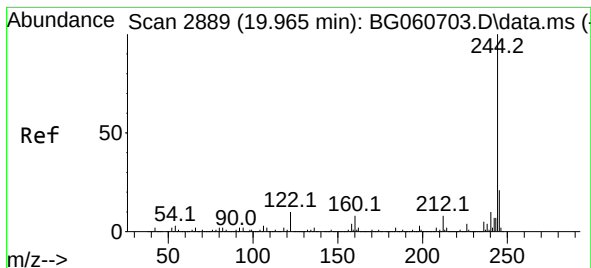
Lab File: BG060749.D

Acq: 2 Apr 2024 22:48

Tgt Ion:202 Resp: 310939

Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.0	25.4
203	17.1	14.0	21.0





#79

Terphenyl-d14

Concen: 57.112 ng

RT: 19.956 min Scan# 21

Delta R.T. -0.009 min

Lab File: BG060749.D

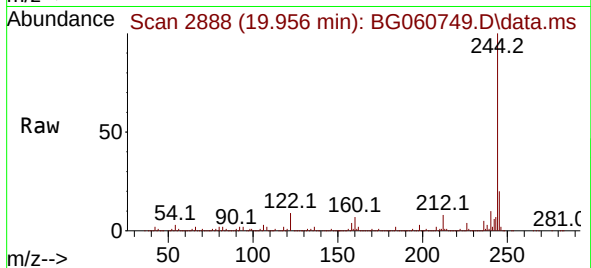
Acq: 2 Apr 2024 22:48

Instrument :

BNA_G

ClientSampleId :

EB-04(2-4)



Tgt Ion:244 Resp: 147517

Ion Ratio Lower Upper

244 100

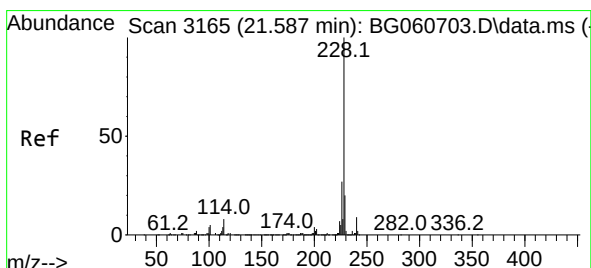
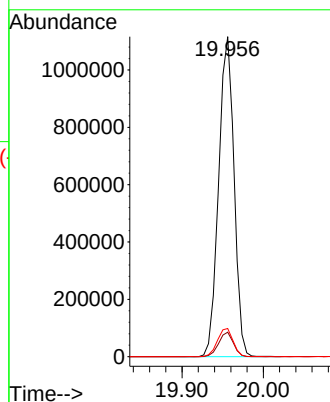
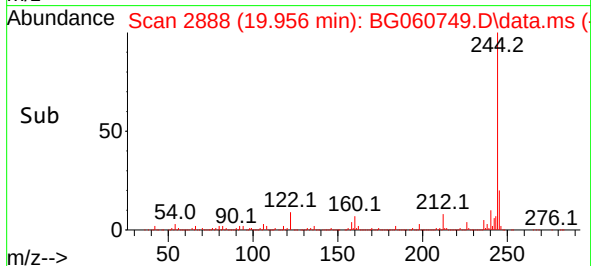
212 7.6 6.2 9.2

122 8.8 7.8 11.8

Manual Integrations

APPROVED

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



#81

Benzo(a)anthracene

Concen: 6.170 ng m

RT: 21.572 min Scan# 3163

Delta R.T. -0.015 min

Lab File: BG060749.D

Acq: 2 Apr 2024 22:48

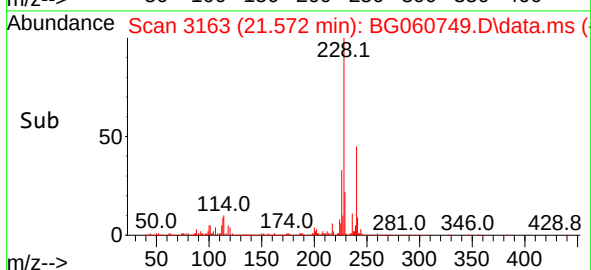
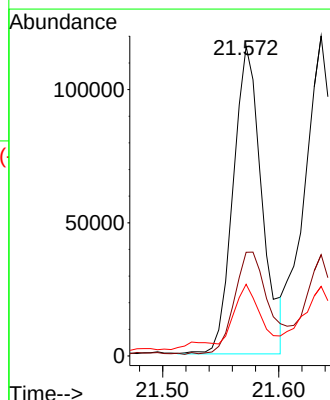
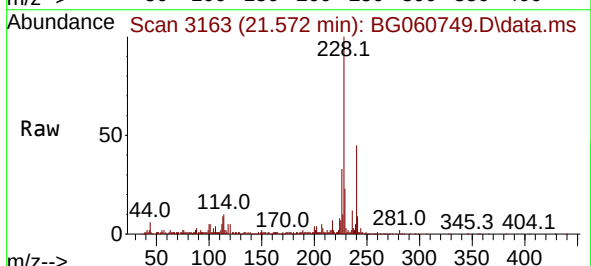
Tgt Ion:228 Resp: 197800

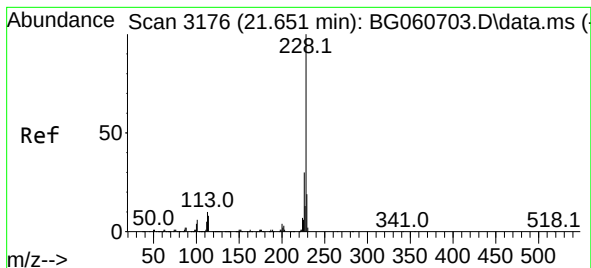
Ion Ratio Lower Upper

228 100

226 33.5 21.7 32.5#

229 23.1 15.8 23.8





#83

Chrysene

Concen: 6.743 ng

RT: 21.636 min Scan# 31

Delta R.T. -0.015 min

Lab File: BG060749.D

Acq: 2 Apr 2024 22:48

Instrument :

BNA_G

ClientSampleId :

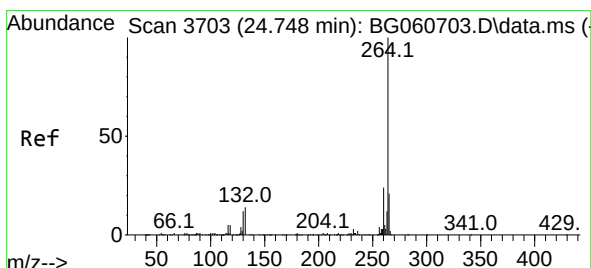
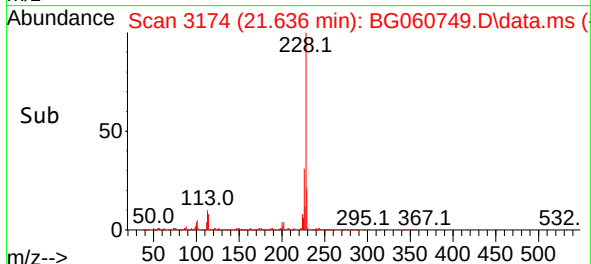
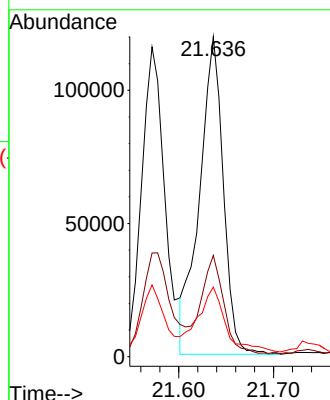
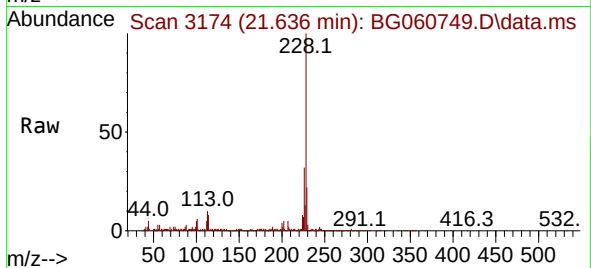
EB-04(2-4)

Tgt Ion:	228	Resp:	208350
Ion Ratio	Lower	Upper	
228	100		
226	31.7	24.2	36.4
229	21.7	15.5	23.3

Manual Integrations

APPROVED

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



#86

Perylene-d12

Concen: 20.000 ng

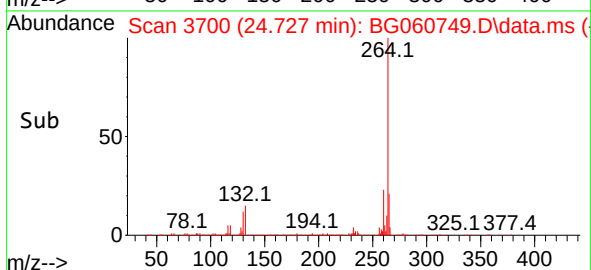
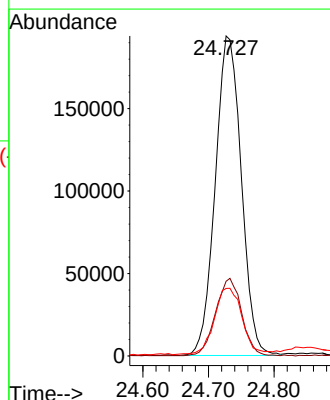
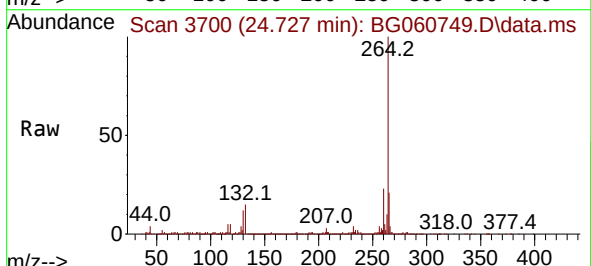
RT: 24.727 min Scan# 3700

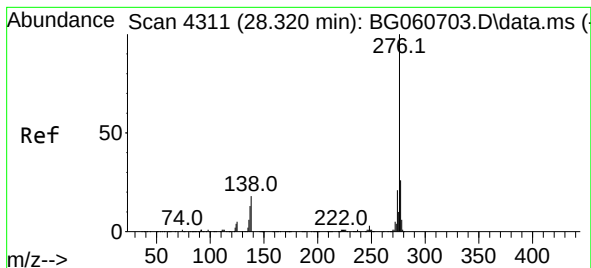
Delta R.T. -0.021 min

Lab File: BG060749.D

Acq: 2 Apr 2024 22:48

Tgt Ion:	264	Resp:	532998
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.5	29.3
265	21.1	16.9	25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.428 ng

RT: 28.276 min Scan# 4311

Delta R.T. -0.044 min

Lab File: BG060749.D

Acq: 2 Apr 2024 22:48

Instrument :

BNA_G

ClientSampleId :

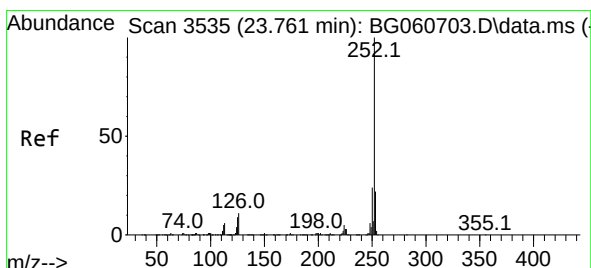
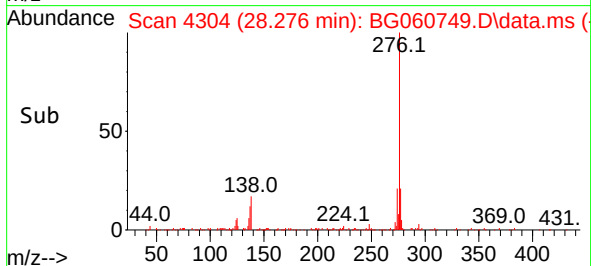
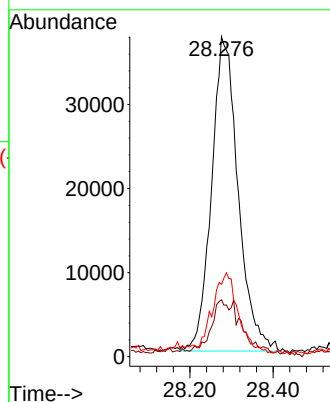
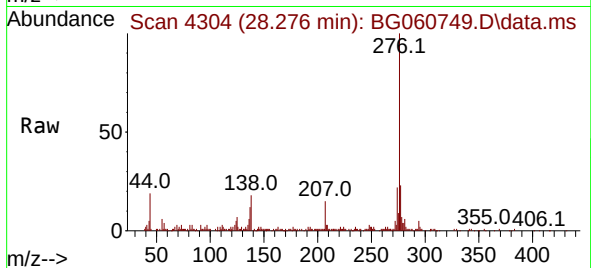
EB-04(2-4)

Tgt Ion:	276	Resp:	16619
Ion Ratio	Lower	Upper	
276	100		
138	16.9	12.4	18.6
277	24.0	20.2	30.2

Manual Integrations

APPROVED

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



#88

Benzo(b)fluoranthene

Concen: 7.227 ng

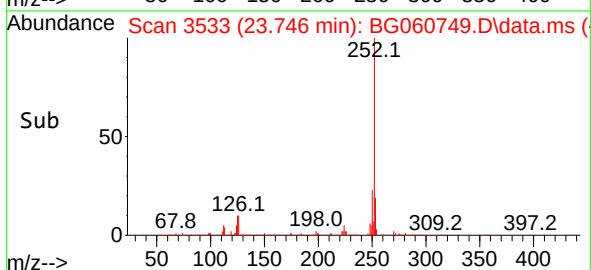
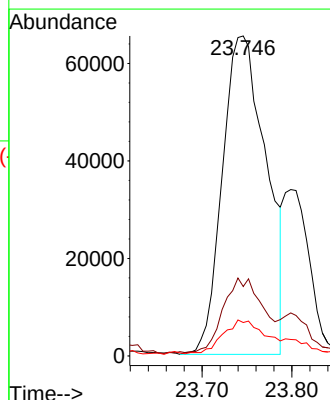
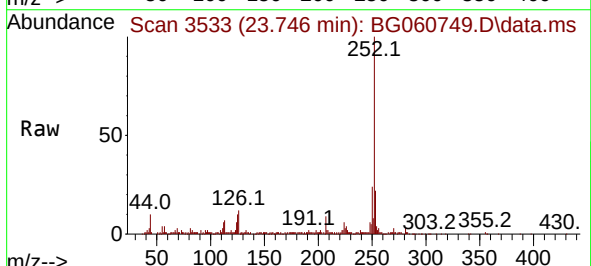
RT: 23.746 min Scan# 3533

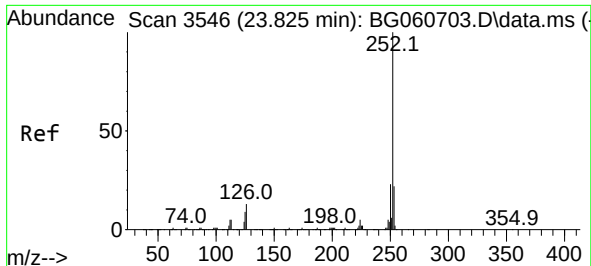
Delta R.T. -0.015 min

Lab File: BG060749.D

Acq: 2 Apr 2024 22:48

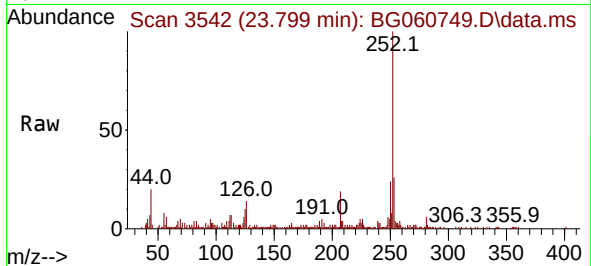
Tgt Ion:	252	Resp:	221304
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.8	26.8
125	10.5	7.1	10.7





#89
Benzo(k)fluoranthene
Concen: 2.122 ng m
RT: 23.799 min Scan# 3546
Delta R.T. -0.027 min
Lab File: BG060749.D
Acq: 2 Apr 2024 22:48

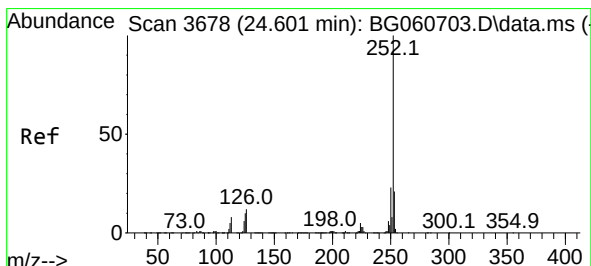
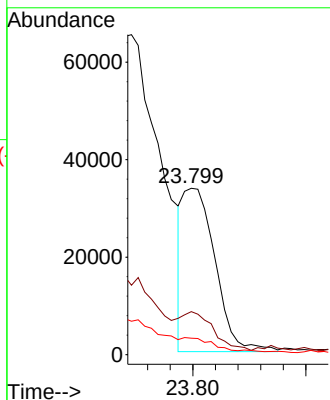
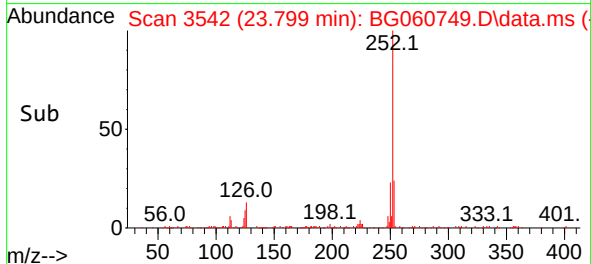
Instrument :
BNA_G
ClientSampleId :
EB-04(2-4)



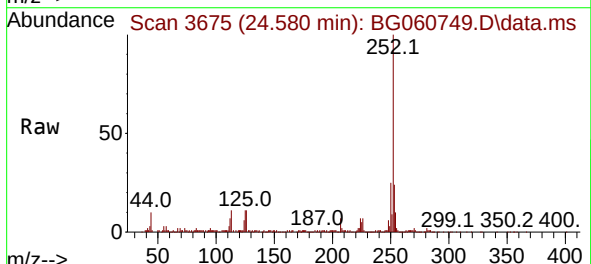
Tgt Ion:252 Resp: 66502
Ion Ratio Lower Upper
252 100
253 25.9 17.6 26.4
125 10.0 7.5 11.3

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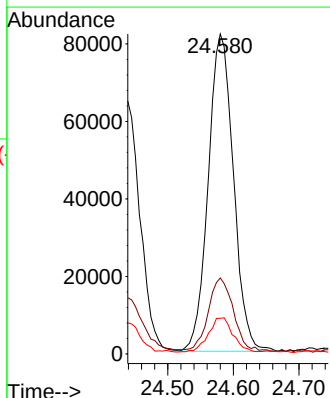
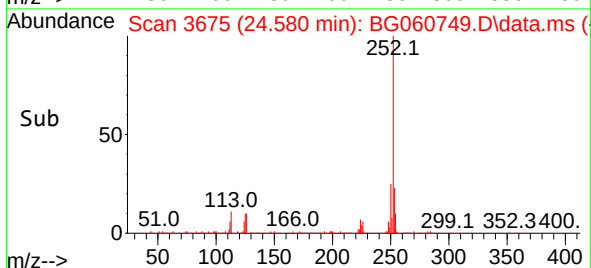
Reviewed By :Jagrut Upadhyay 04/03/2024
Supervised By :mohammad ahmed 04/04/2024

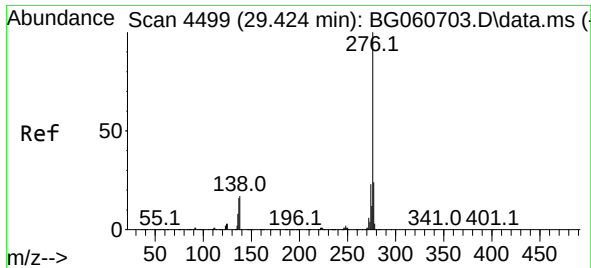


#90
Benzo(a)pyrene
Concen: 7.337 ng
RT: 24.580 min Scan# 3675
Delta R.T. -0.021 min
Lab File: BG060749.D
Acq: 2 Apr 2024 22:48



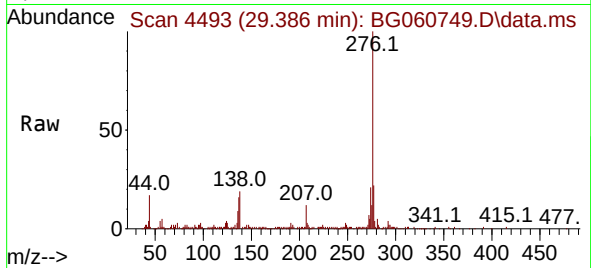
Tgt Ion:252 Resp: 218340
Ion Ratio Lower Upper
252 100
253 23.7 16.8 25.2
125 11.1 7.6 11.4





#92
 Benzo(g,h,i)perylene
 Concen: 7.315 ng
 RT: 29.386 min Scan# 4493
 Delta R.T. -0.038 min
 Lab File: BG060749.D
 Acq: 2 Apr 2024 22:48

Instrument :
 BNA_G
 ClientSampleId :
 EB-04(2-4)



Tgt Ion:276 Resp: 225160
 Ion Ratio Lower Upper
 276 100
 277 21.6 18.9 28.3
 138 19.2 14.0 21.0

Manual Integrations
 APPROVED

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

