

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
 Data File : BG061080.D
 Acq On : 1 May 2024 17:28
 Operator : MA/JU
 Sample : P2330-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-1(0.5-1.5)

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/02/2024
 Supervised By :mohammad ahmed 05/06/2024

Quant Time: May 01 18:25:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.935	152	29862	20.000	ng	-0.03
21) Naphthalene-d8	10.726	136	110747	20.000	ng	-0.03
39) Acenaphthene-d10	14.563	164	79931	20.000	ng	-0.03
64) Phenanthrene-d10	17.307	188	189603	20.000	ng	-0.03
76) Chrysene-d12	21.566	240	179103	20.000	ng	-0.03
86) Perylene-d12	24.686	264	219614	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	143779	97.920	ng	-0.02
7) Phenol-d6	7.107	99	192682	88.707	ng	-0.03
23) Nitrobenzene-d5	9.087	82	135189	60.513	ng	-0.03
42) 2,4,6-Tribromophenol	16.049	330	146482	91.684	ng	-0.03
45) 2-Fluorobiphenyl	13.182	172	369929	68.436	ng	-0.03
79) Terphenyl-d14	19.927	244	675339	62.712	ng	-0.03
Target Compounds						
						Qvalue
71) Phenanthrene	17.348	178	34493	3.979	ng	98
75) Fluoranthene	19.363	202	85913	7.234	ng	99
78) Pyrene	19.727	202	77974	6.848	ng	97
81) Benzo(a)anthracene	21.543	228	43820	3.739	ng	94
83) Chrysene	21.608	228	47344	4.312	ng	# 92
88) Benzo(b)fluoranthene	23.699	252	66261	5.399	ng	# 97
90) Benzo(a)pyrene	24.539	252	43237	4.044	ng	# 91
92) Benzo(g,h,i)perylene	29.310	276	25565m	2.134	ng	

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

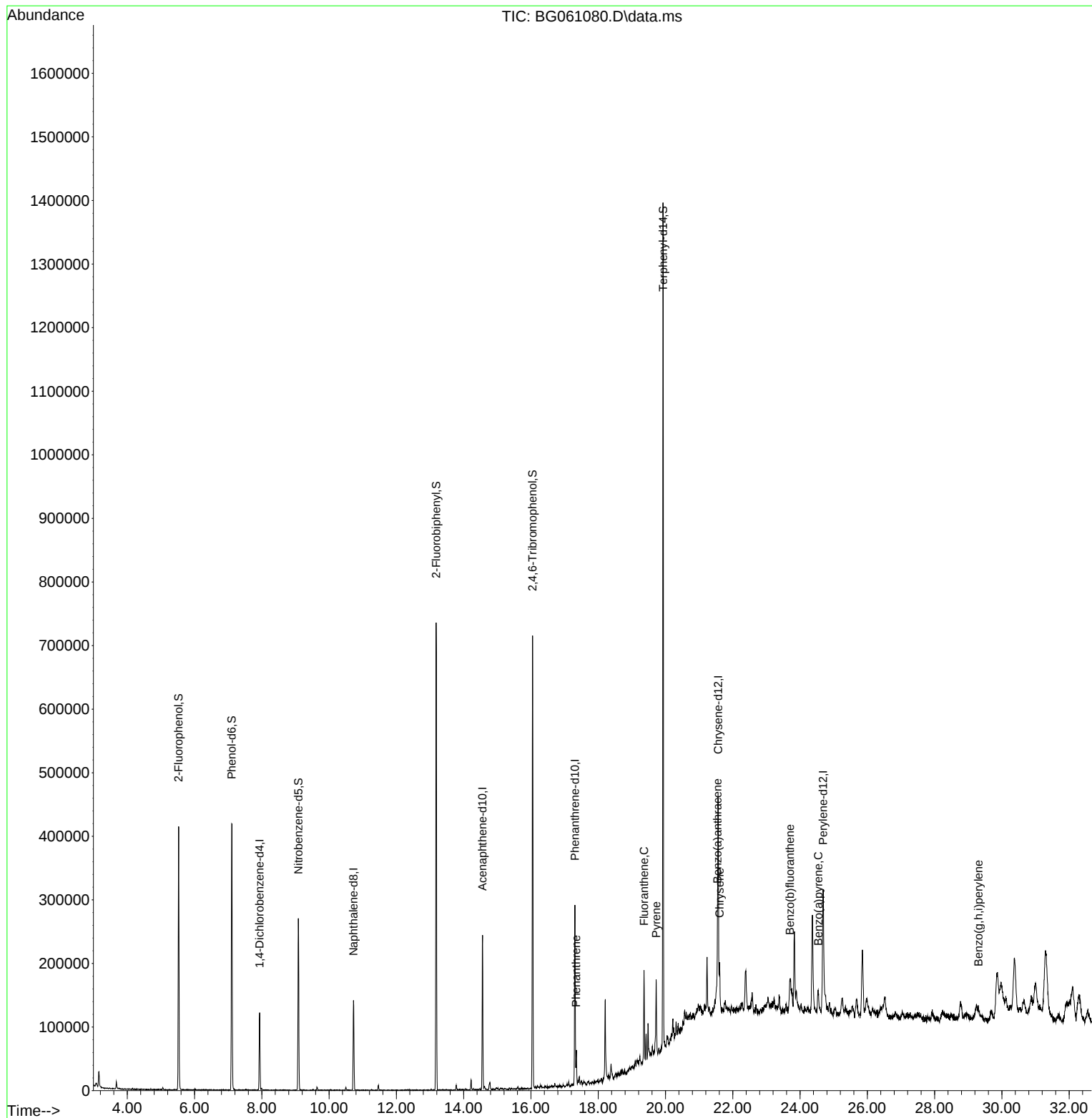
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061080.D
Acq On : 1 May 2024 17:28
Operator : MA/JU
Sample : P2330-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

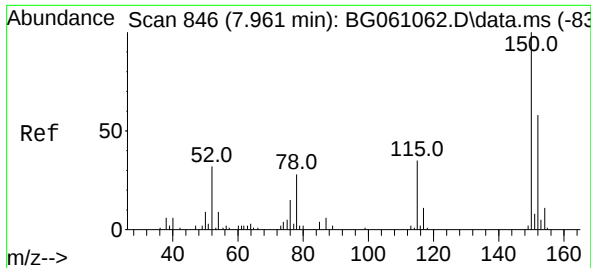
Instrument :
BNA_G
ClientSampleId :
B-1(0.5-1.5)

Quant Time: May 01 18:25:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 2024
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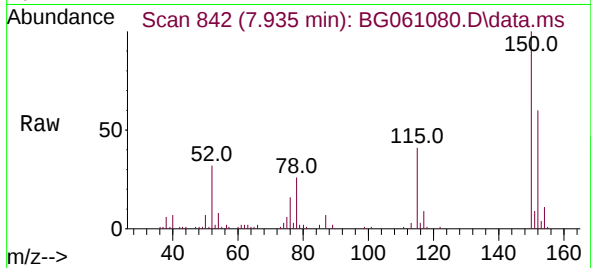
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.935 min Scan# 846
Delta R.T. -0.026 min
Lab File: BG061080.D
Acq: 1 May 2024 17:28

Instrument :

BNA_G

ClientSampleId :

B-1(0.5-1.5)

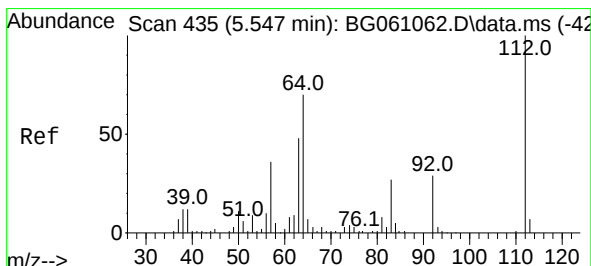
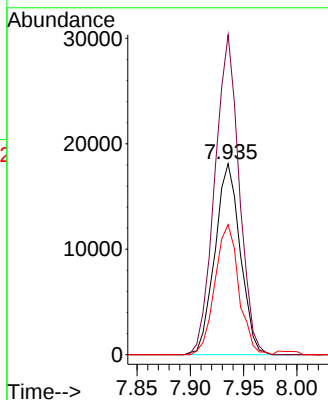
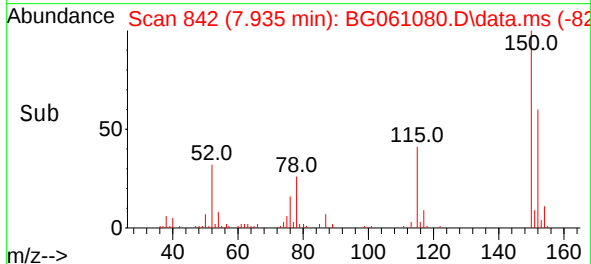


Tgt Ion:152 Resp: 29862
Ion Ratio Lower Upper
152 100
150 167.5 138.3 207.5
115 68.1 48.0 72.0

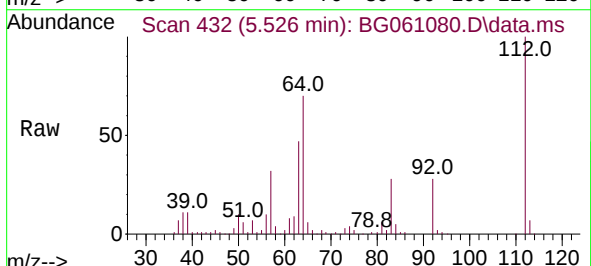
Manual Integrations

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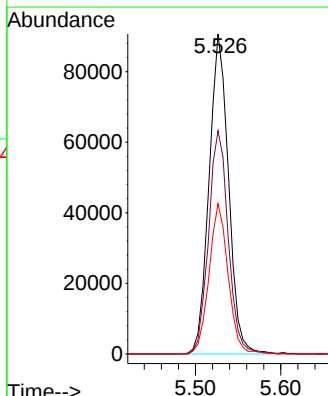
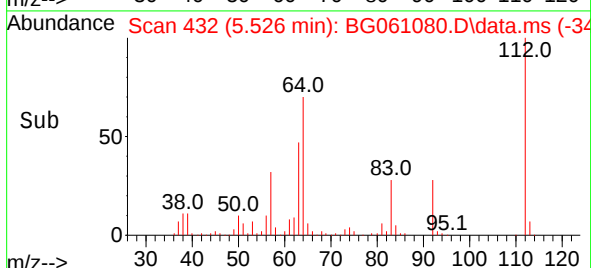
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024

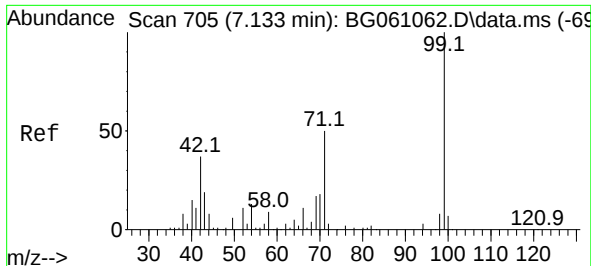


#5
2-Fluorophenol
Concen: 97.920 ng
RT: 5.526 min Scan# 432
Delta R.T. -0.020 min
Lab File: BG061080.D
Acq: 1 May 2024 17:28



Tgt Ion:112 Resp: 143779
Ion Ratio Lower Upper
112 100
64 69.7 55.7 83.5
63 46.9 38.1 57.1





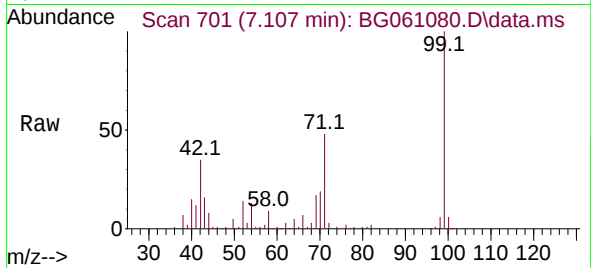
#7
Phenol-d6
Concen: 88.707 ng
RT: 7.107 min Scan# 705
Delta R.T. -0.026 min
Lab File: BG061080.D
Acq: 1 May 2024 17:28

Instrument :

BNA_G

ClientSampleId :

B-1(0.5-1.5)

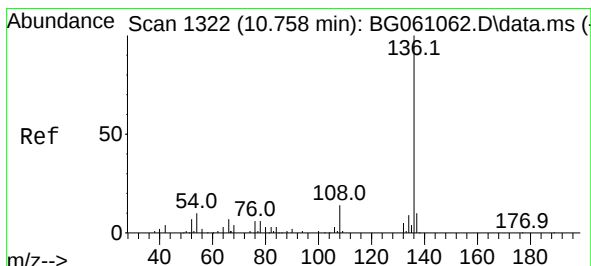
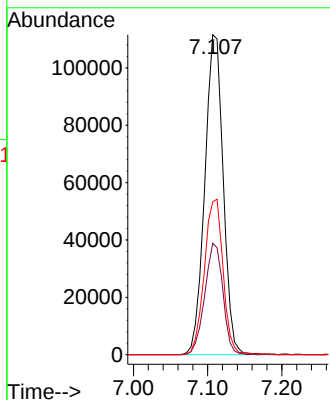
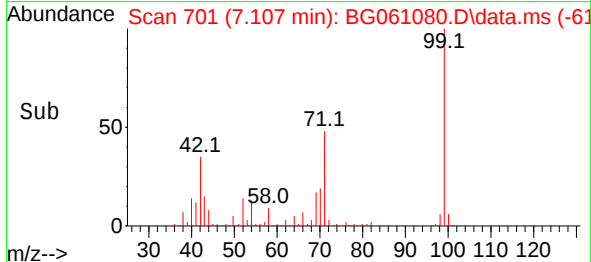


Tgt Ion: 99 Resp: 192682
Ion Ratio Lower Upper
99 100
42 34.8 29.2 43.8
71 47.8 39.7 59.5

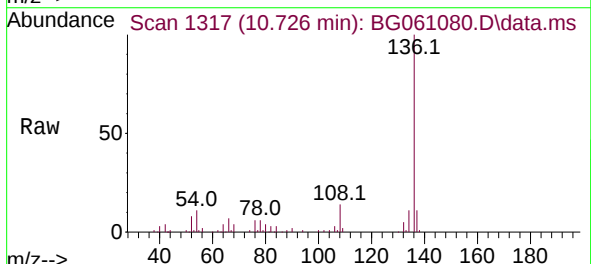
Manual Integrations

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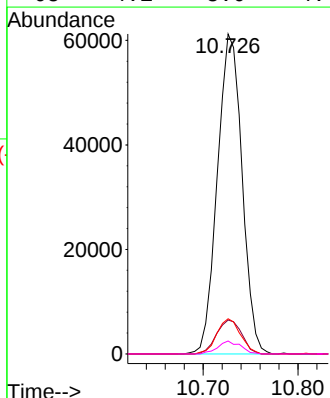
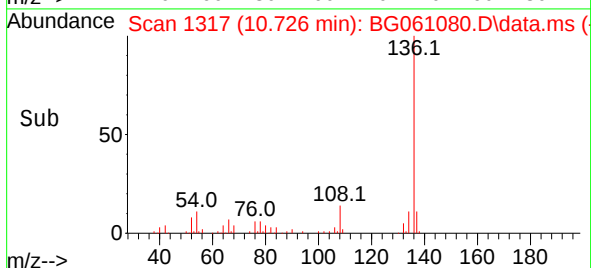
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024

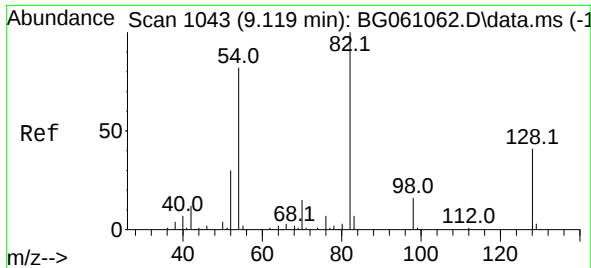


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.726 min Scan# 1317
Delta R.T. -0.032 min
Lab File: BG061080.D
Acq: 1 May 2024 17:28



Tgt Ion:136 Resp: 110747
Ion Ratio Lower Upper
136 100
137 10.6 7.8 11.6
54 11.0 8.1 12.1
68 4.1 3.0 4.4





#23

Nitrobenzene-d5

Concen: 60.513 ng

RT: 9.087 min Scan# 1043

Delta R.T. -0.032 min

Lab File: BG061080.D

Acq: 1 May 2024 17:28

Instrument :

BNA_G

ClientSampleId :

B-1(0.5-1.5)

Tgt Ion: 82 Resp: 135189

Ion Ratio Lower Upper

82 100

128 39.0 32.7 49.1

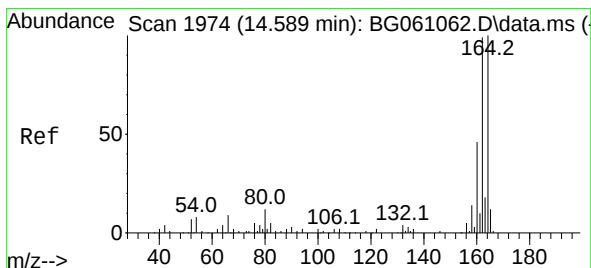
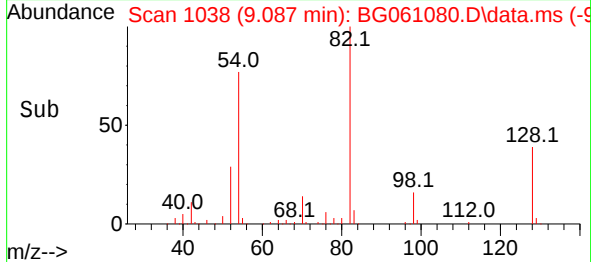
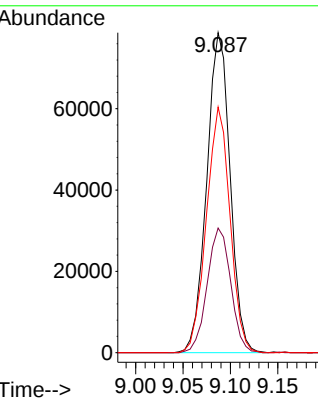
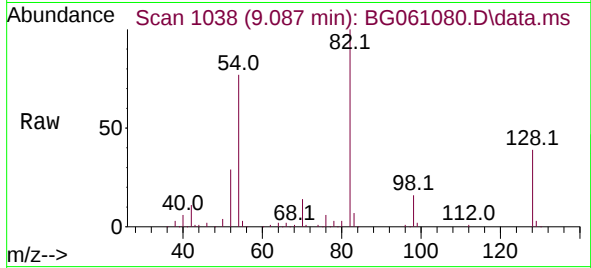
54 76.8 65.6 98.4

Manual Integrations

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Supervised By :mohammad ahmed 05/06/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.563 min Scan# 1970

Delta R.T. -0.026 min

Lab File: BG061080.D

Acq: 1 May 2024 17:28

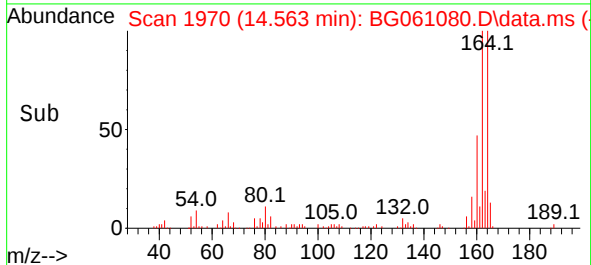
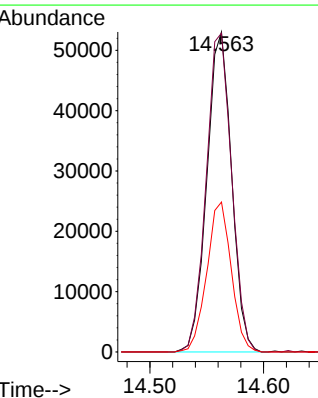
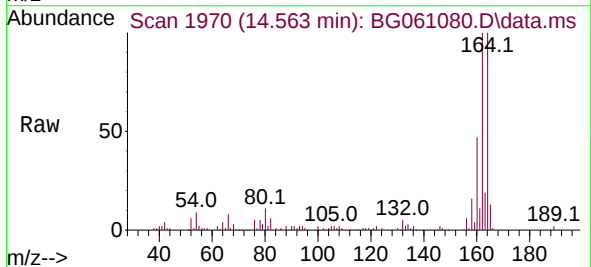
Tgt Ion:164 Resp: 79931

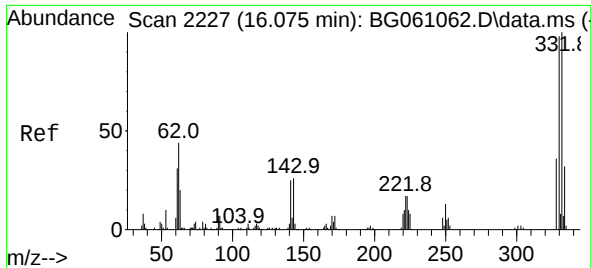
Ion Ratio Lower Upper

164 100

162 99.7 79.4 119.2

160 46.8 37.0 55.6





#42
2,4,6-Tribromophenol
Concen: 91.684 ng
RT: 16.049 min Scan# 21
Delta R.T. -0.026 min
Lab File: BG061080.D
Acq: 1 May 2024 17:28

Instrument :

BNA_G

ClientSampleId :

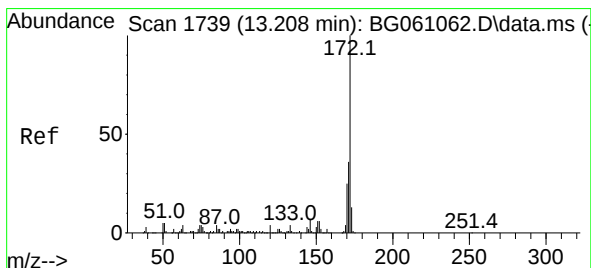
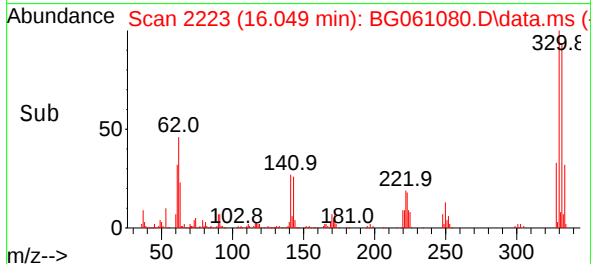
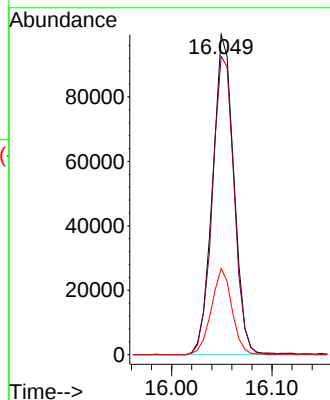
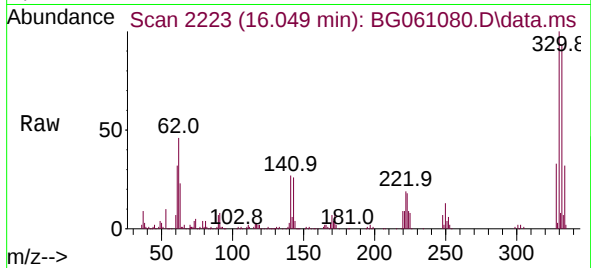
B-1(0.5-1.5)

Tgt Ion:330 Resp: 14648
Ion Ratio Lower Upper
330 100
332 95.2 78.6 117.8
141 26.0 20.5 30.7

Manual Integrations

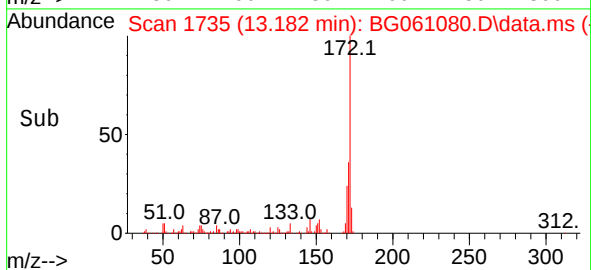
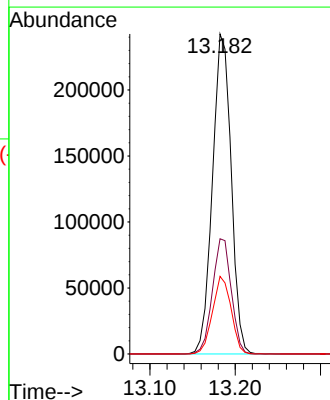
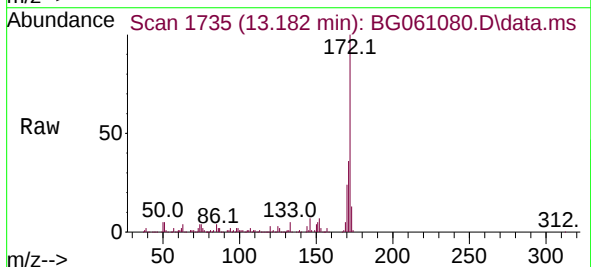
APPROVED

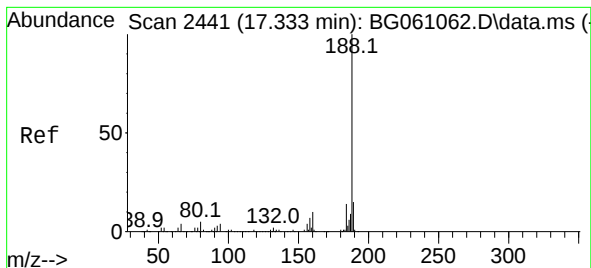
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#45
2-Fluorobiphenyl
Concen: 68.436 ng
RT: 13.182 min Scan# 1735
Delta R.T. -0.026 min
Lab File: BG061080.D
Acq: 1 May 2024 17:28

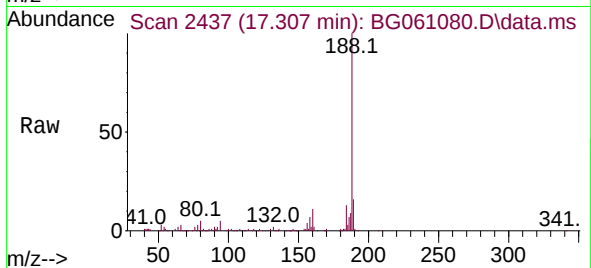
Tgt Ion:172 Resp: 369929
Ion Ratio Lower Upper
172 100
171 36.0 29.0 43.6
170 24.3 20.2 30.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.307 min Scan# 2441
Delta R.T. -0.026 min
Lab File: BG061080.D
Acq: 1 May 2024 17:28

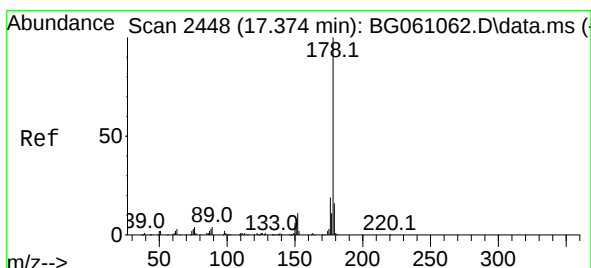
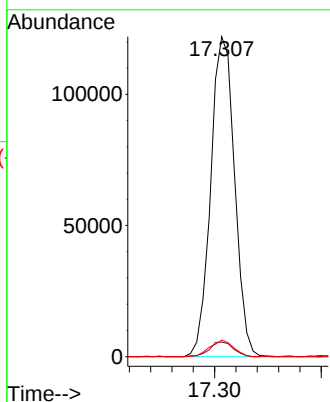
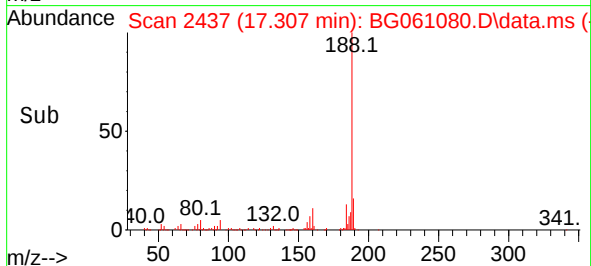
Instrument :
BNA_G
ClientSampleId :
B-1(0.5-1.5)



Tgt Ion:188 Resp: 189603
Ion Ratio Lower Upper
188 100
94 4.6 3.6 5.4
80 5.2 4.2 6.2

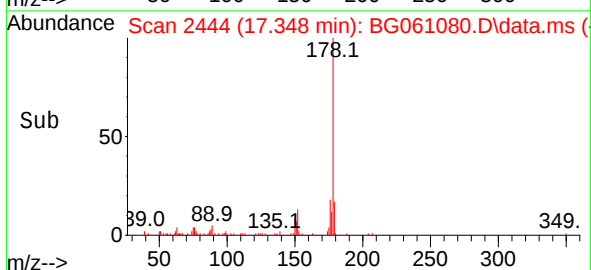
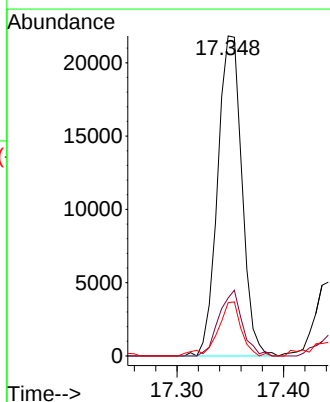
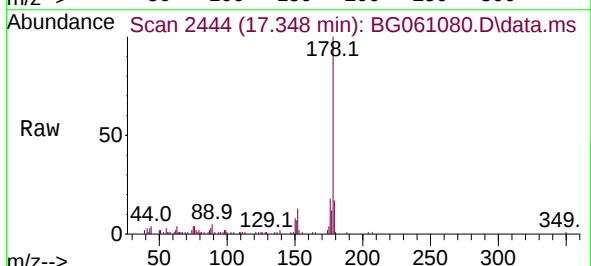
Manual Integrations
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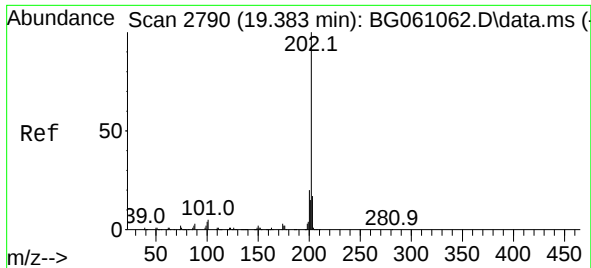
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#71
Phenanthrene
Concen: 3.979 ng
RT: 17.348 min Scan# 2444
Delta R.T. -0.026 min
Lab File: BG061080.D
Acq: 1 May 2024 17:28

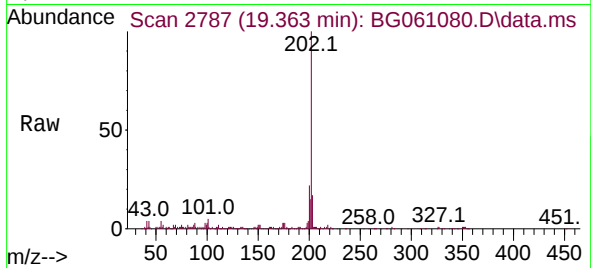
Tgt Ion:178 Resp: 34493
Ion Ratio Lower Upper
178 100
176 18.1 15.5 23.3
179 16.7 12.6 19.0





#75
Fluoranthene
Concen: 7.234 ng
RT: 19.363 min Scan# 21
Delta R.T. -0.020 min
Lab File: BG061080.D
Acq: 1 May 2024 17:28

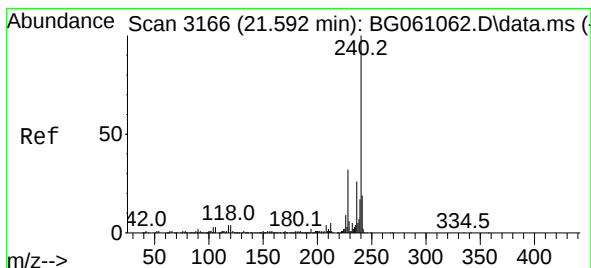
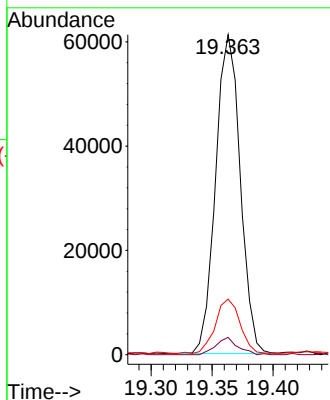
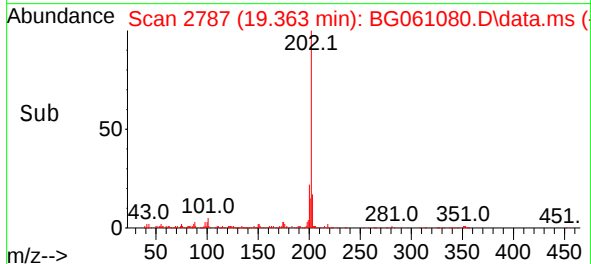
Instrument :
BNA_G
ClientSampleId :
B-1(0.5-1.5)



Tgt Ion:202 Resp: 85913
Ion Ratio Lower Upper
202 100
101 6.1 0.0 24.7
203 17.4 0.0 37.1

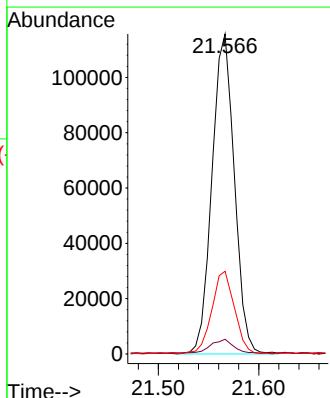
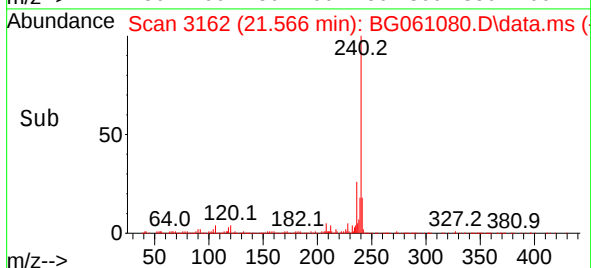
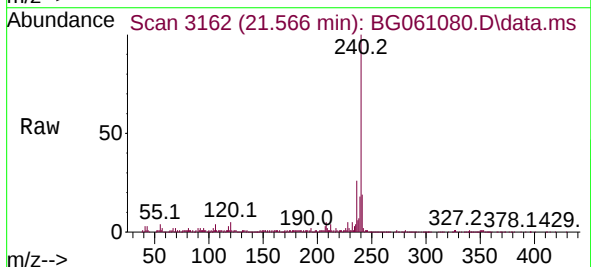
Manual Integrations
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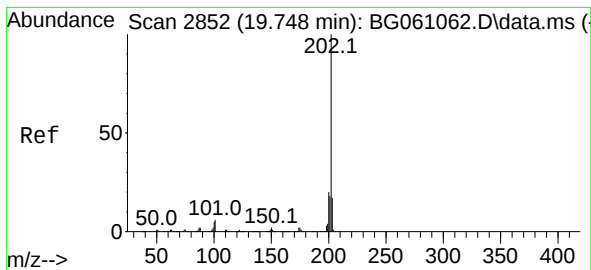
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.566 min Scan# 3162
Delta R.T. -0.026 min
Lab File: BG061080.D
Acq: 1 May 2024 17:28

Tgt Ion:240 Resp: 179103
Ion Ratio Lower Upper
240 100
120 4.6 3.2 4.8
236 25.9 21.0 31.6





#78

Pyrene

Concen: 6.848 ng

RT: 19.727 min Scan# 2849

Delta R.T. -0.020 min

Lab File: BG061080.D

Acq: 1 May 2024 17:28

Instrument :

BNA_G

ClientSampleId :

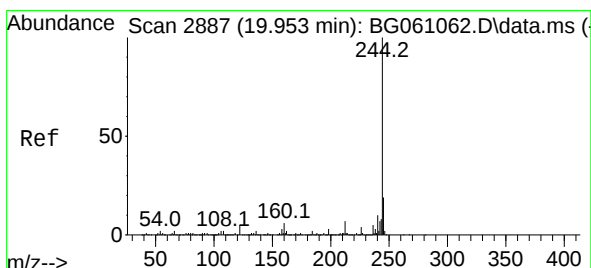
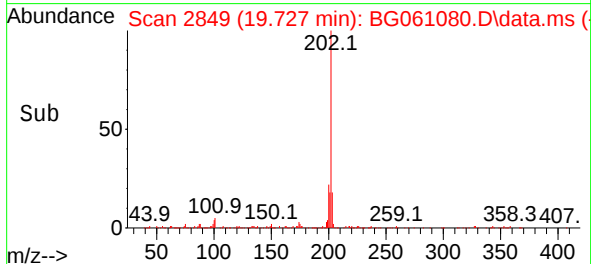
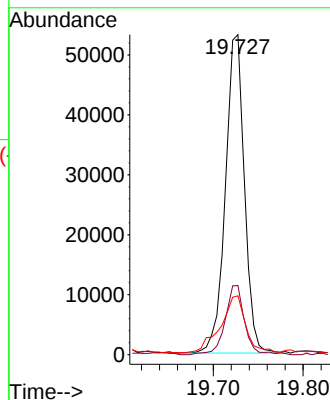
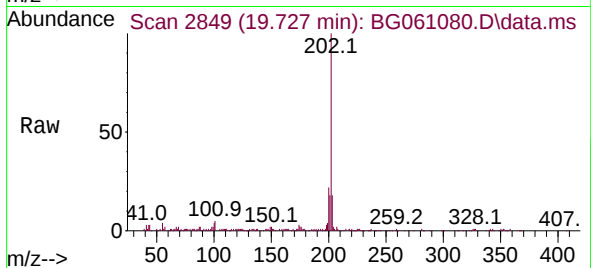
B-1(0.5-1.5)

Tgt Ion:	202	Resp:	77974
Ion Ratio	Lower	Upper	
202	100		
200	21.6	16.2	24.4
203	18.4	13.3	19.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/02/2024
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#79

Terphenyl-d14

Concen: 62.712 ng

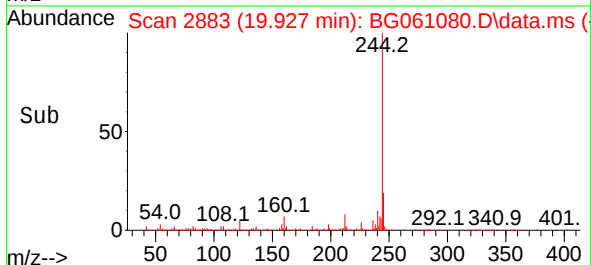
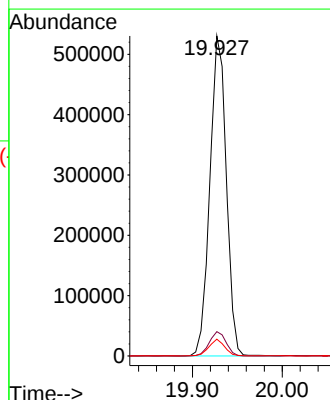
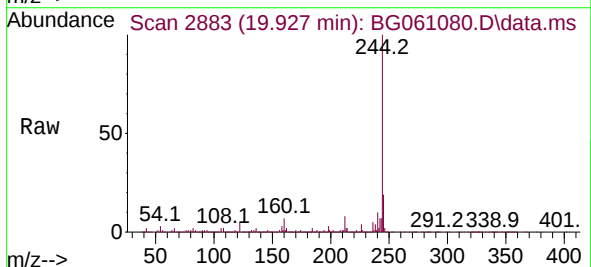
RT: 19.927 min Scan# 2883

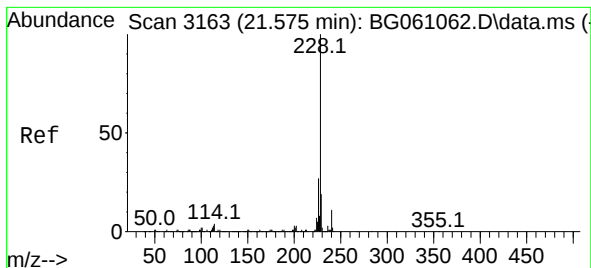
Delta R.T. -0.026 min

Lab File: BG061080.D

Acq: 1 May 2024 17:28

Tgt Ion:	244	Resp:	675339
Ion Ratio	Lower	Upper	
244	100		
212	7.6	5.7	8.5
122	5.2	4.2	6.2





#81

Benzo(a)anthracene

Concen: 3.739 ng

RT: 21.543 min Scan# 31

Delta R.T. -0.032 min

Lab File: BG061080.D

Acq: 1 May 2024 17:28

Instrument :

BNA_G

ClientSampleId :

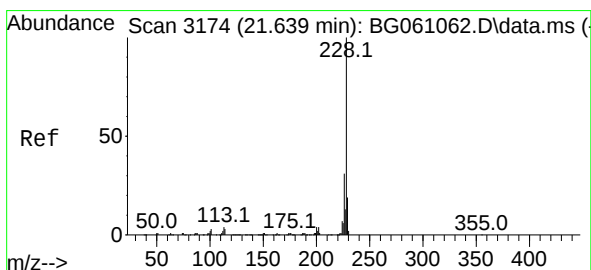
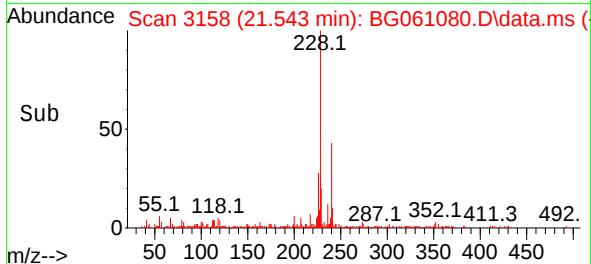
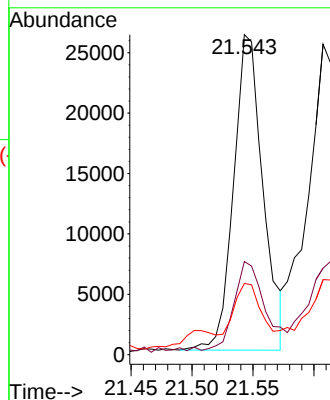
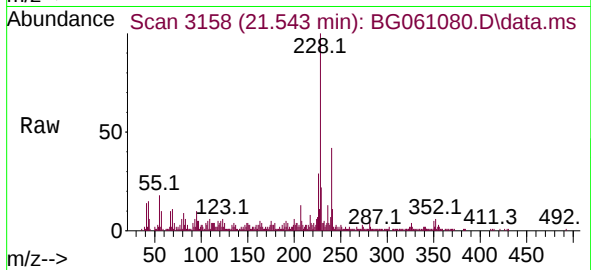
B-1(0.5-1.5)

Tgt Ion:	228	Resp:	43820
Ion Ratio	Lower	Upper	
228	100		
226	29.1	21.6	32.4
229	22.2	15.0	22.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#83

Chrysene

Concen: 4.312 ng

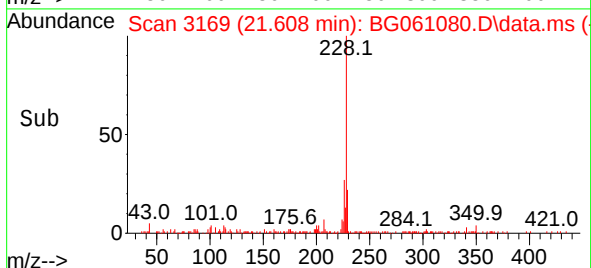
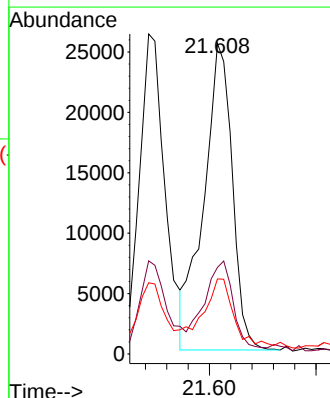
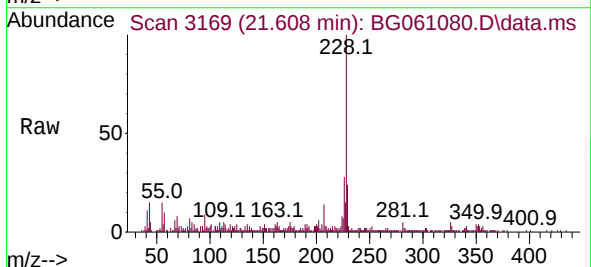
RT: 21.608 min Scan# 3169

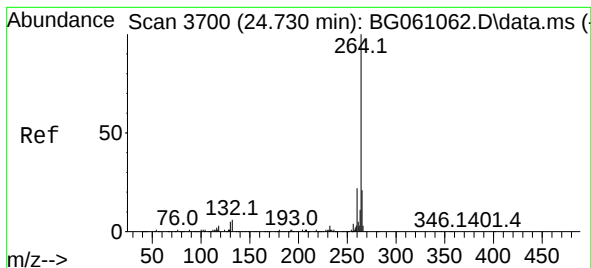
Delta R.T. -0.032 min

Lab File: BG061080.D

Acq: 1 May 2024 17:28

Tgt Ion:	228	Resp:	47344
Ion Ratio	Lower	Upper	
228	100		
226	27.9	24.4	36.6
229	24.2	14.8	22.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.686 min Scan# 3

Delta R.T. -0.044 min

Lab File: BG061080.D

Acq: 1 May 2024 17:28

Instrument :

BNA_G

ClientSampleId :

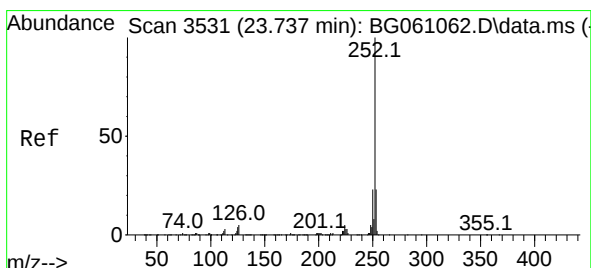
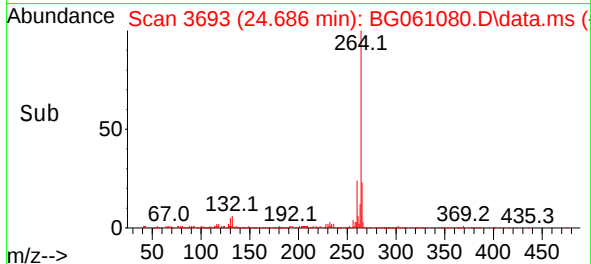
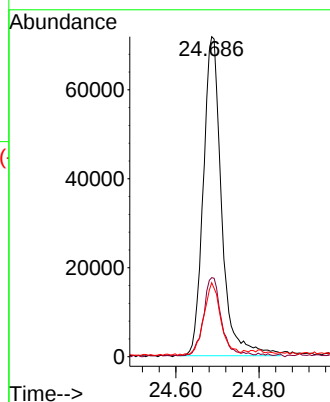
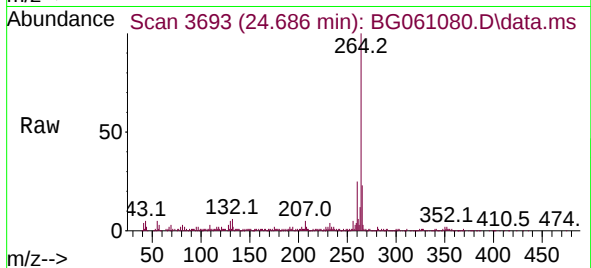
B-1(0.5-1.5)

Tgt Ion:264	Resp:	219614
Ion Ratio	Lower	Upper
264	100	
260	24.7	17.7 26.5
265	23.1	16.4 24.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#88

Benzo(b)fluoranthene

Concen: 5.399 ng

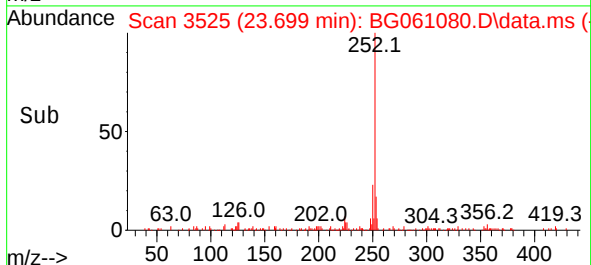
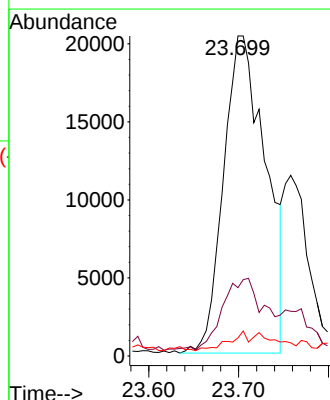
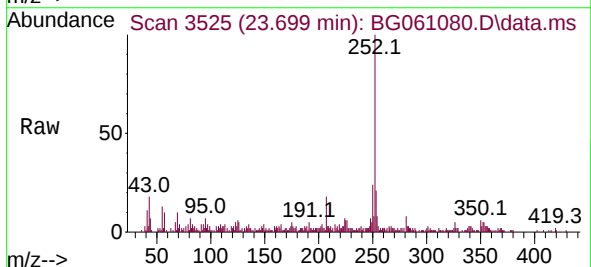
RT: 23.699 min Scan# 3525

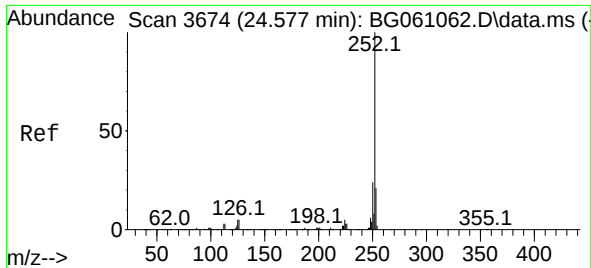
Delta R.T. -0.038 min

Lab File: BG061080.D

Acq: 1 May 2024 17:28

Tgt Ion:252	Resp:	66261
Ion Ratio	Lower	Upper
252	100	
253	21.3	18.2 27.2
125	5.6	3.4 5.0#





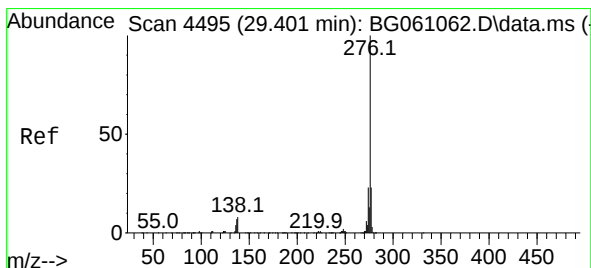
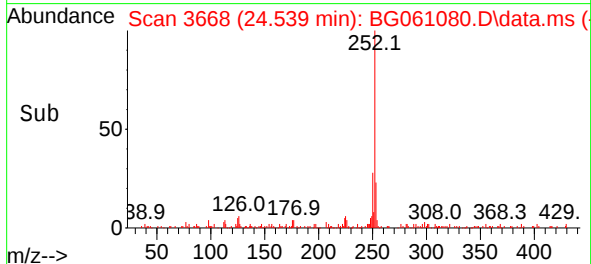
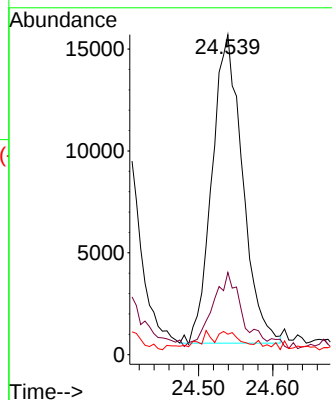
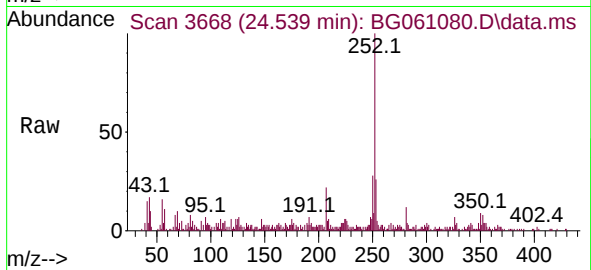
#90
Benzo(a)pyrene
Concen: 4.044 ng
RT: 24.539 min Scan# 3668
Delta R.T. -0.038 min
Lab File: BG061080.D
Acq: 1 May 2024 17:28

Instrument :
BNA_G
ClientSampleId :
B-1(0.5-1.5)

Tgt Ion:	252	Resp:	4323
Ion Ratio	Lower	Upper	
252	100		
253	25.7	16.9	25.3
125	6.4	3.8	5.8

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#92
Benzo(g,h,i)perylene
Concen: 2.134 ng m
RT: 29.310 min Scan# 4480
Delta R.T. -0.091 min
Lab File: BG061080.D
Acq: 1 May 2024 17:28

Tgt Ion:	276	Resp:	25565
Ion Ratio	Lower	Upper	
276	100		
277	25.0	18.2	27.4
138	11.6	6.2	9.2

