

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050624\
 Data File : BG061121.D
 Acq On : 6 May 2024 15:27
 Operator : MA/JU
 Sample : P2390-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BG-2

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/07/2024
 Supervised By :mohammad ahmed 05/08/2024

Quant Time: May 06 16:04:42 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	7.930	152	26335	20.000	ng	-0.03
21) Naphthalene-d8	10.733	136	104355	20.000	ng	-0.03
39) Acenaphthene-d10	14.564	164	77493	20.000	ng	-0.03
64) Phenanthrene-d10	17.307	188	176874	20.000	ng	#-0.03
76) Chrysene-d12	21.573	240	178116	20.000	ng	-0.02
86) Perylene-d12	24.699	264	147541m	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.527	112	83159	64.220	ng	-0.02
7) Phenol-d6	7.108	99	120017	62.653	ng	-0.03
23) Nitrobenzene-d5	9.088	82	88479	42.031	ng	-0.03
42) 2,4,6-Tribromophenol	16.056	330	92461	59.693	ng	-0.02
45) 2-Fluorobiphenyl	13.183	172	238737	45.556	ng	-0.03
79) Terphenyl-d14	19.928	244	404156	37.738	ng	-0.03
Target Compounds						Qvalue
71) Phenanthrene	17.354	178	52282	6.465	ng	96
75) Fluoranthene	19.364	202	175344	15.826	ng	100
78) Pyrene	19.728	202	138577	12.238	ng	98
81) Benzo(a)anthracene	21.549	228	72930	6.257	ng	97
83) Chrysene	21.614	228	97182	8.899	ng	95
87) Indeno(1,2,3-cd)pyrene	28.259	276	27121m	2.774	ng	
88) Benzo(b)fluoranthene	23.712	252	90651	10.995	ng	96
89) Benzo(k)fluoranthene	23.765	252	49865m	6.287	ng	
90) Benzo(a)pyrene	24.552	252	50060	6.969	ng	# 95
92) Benzo(g,h,i)perylene	29.334	276	26142m	3.249	ng	

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

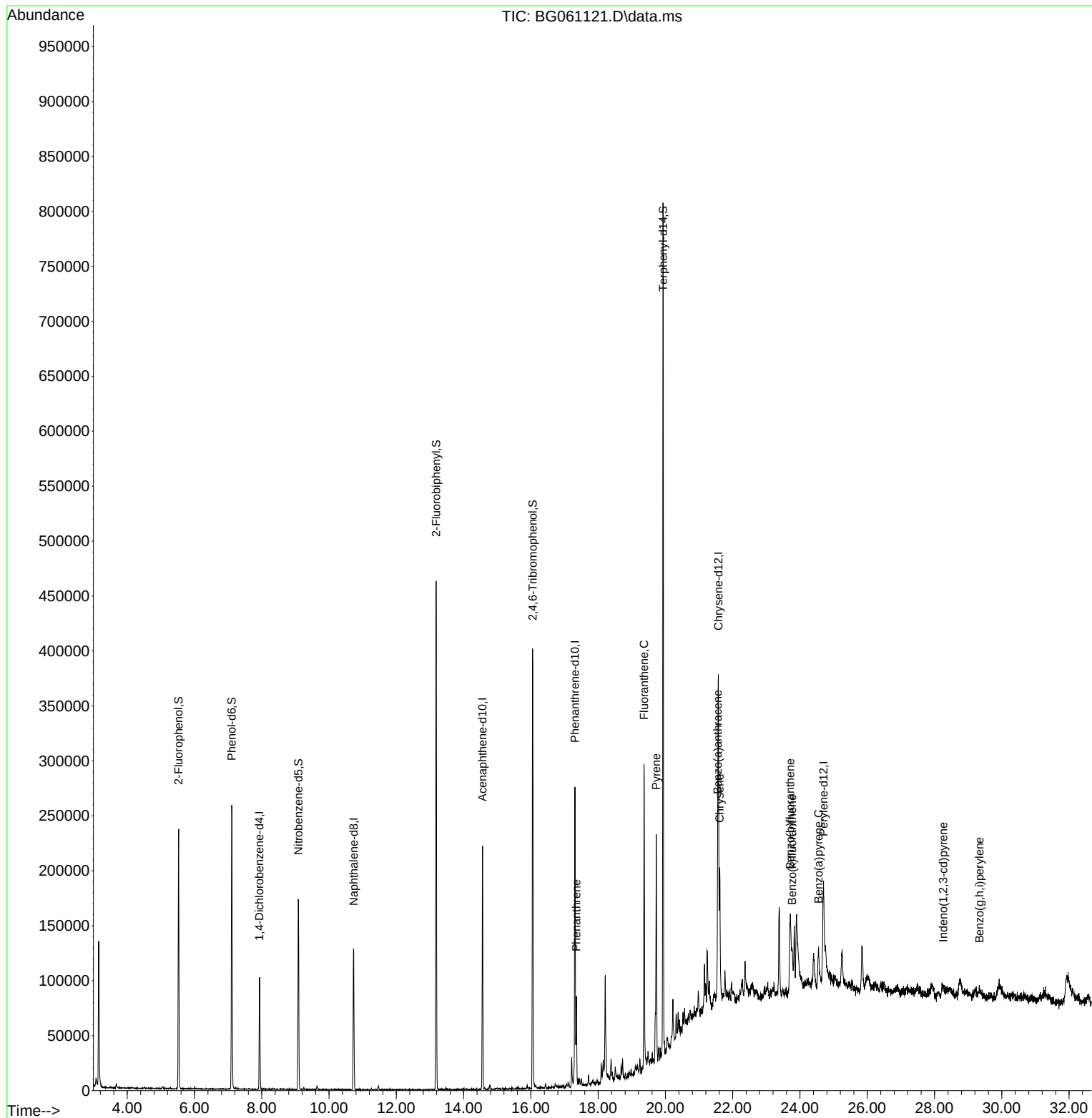
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050624\
Data File : BG061121.D
Acq On : 6 May 2024 15:27
Operator : MA/JU
Sample : P2390-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

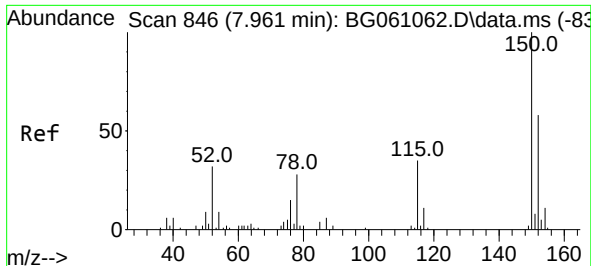
Instrument :
BNA_G
ClientSampleId :
BG-2

Quant Time: May 06 16:04:42 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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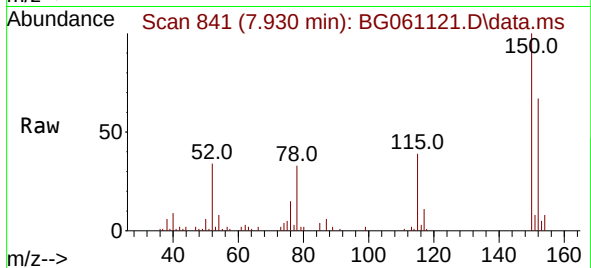
Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.930 min Scan# 846
Delta R.T. -0.031 min
Lab File: BG061121.D
Acq: 6 May 2024 15:27

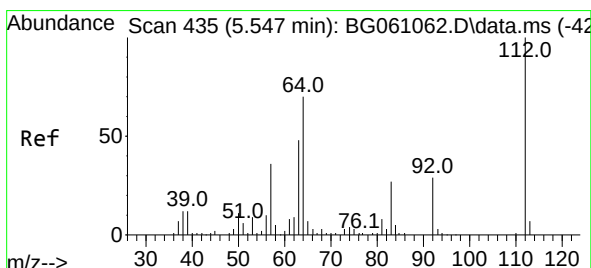
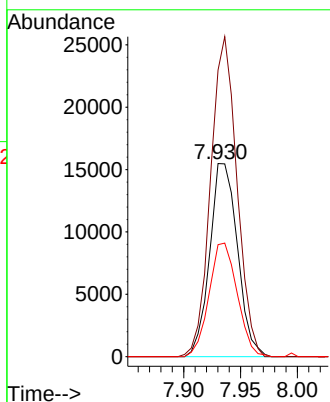
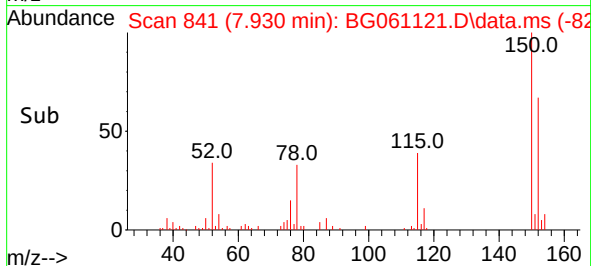
Instrument :
BNA_G
ClientSampleId :
BG-2



Tgt Ion:152 Resp: 2633
Ion Ratio Lower Upper
152 100
150 148.4 138.3 207.5
115 58.0 48.0 72.0

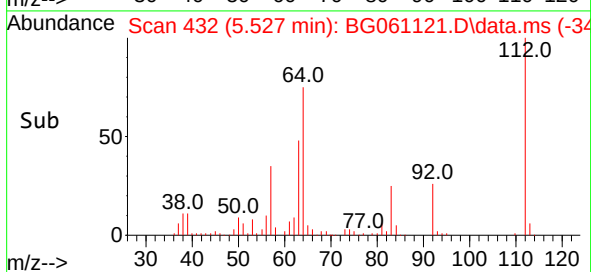
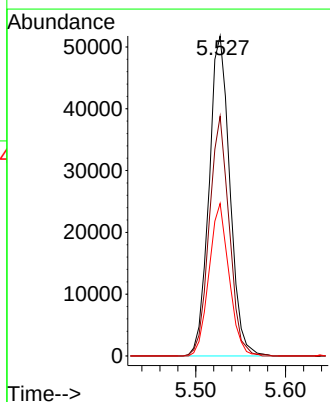
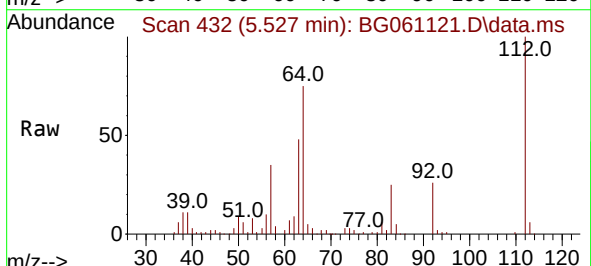
Manual Integrations
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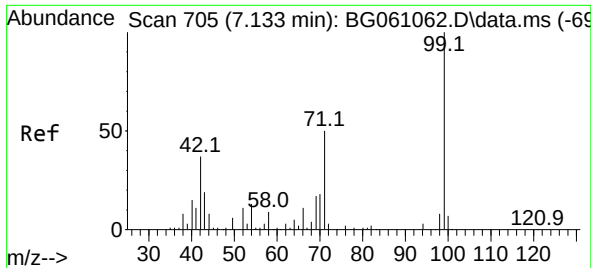
Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024



#5
2-Fluorophenol
Concen: 64.220 ng
RT: 5.527 min Scan# 432
Delta R.T. -0.019 min
Lab File: BG061121.D
Acq: 6 May 2024 15:27

Tgt Ion:112 Resp: 83159
Ion Ratio Lower Upper
112 100
64 74.9 55.7 83.5
63 47.6 38.1 57.1





#7

Phenol-d6

Concen: 62.653 ng

RT: 7.108 min Scan# 705

Delta R.T. -0.025 min

Lab File: BG061121.D

Acq: 6 May 2024 15:27

Instrument :

BNA_G

ClientSampleId :

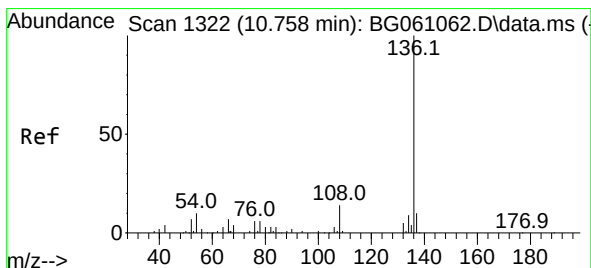
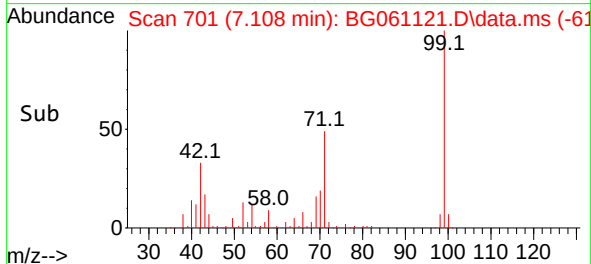
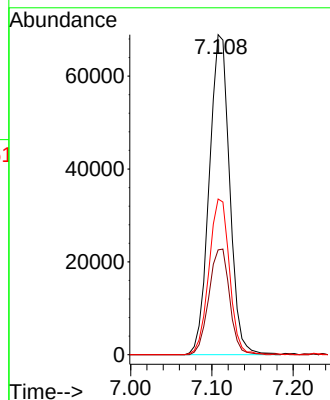
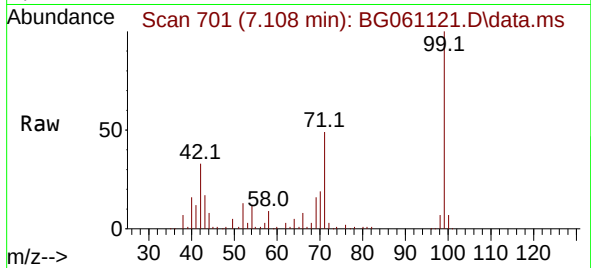
BG-2

Tgt Ion: 99 Resp: 12001
 Ion Ratio Lower Upper
 99 100
 42 32.8 29.2 43.8
 71 48.7 39.7 59.5

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#21

Naphthalene-d8

Concen: 20.000 ng

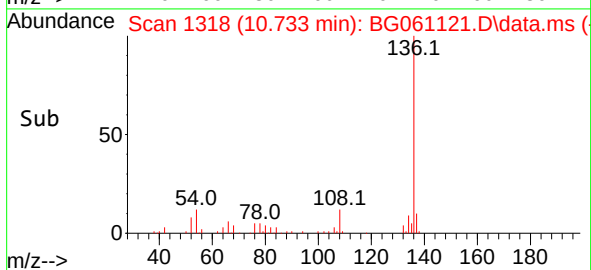
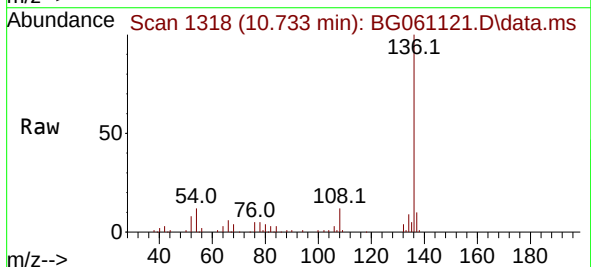
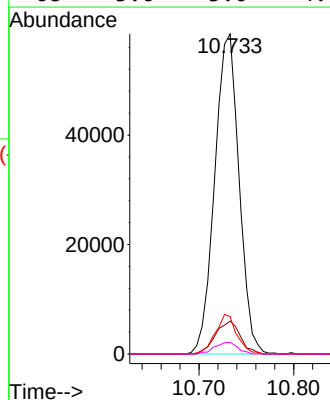
RT: 10.733 min Scan# 1318

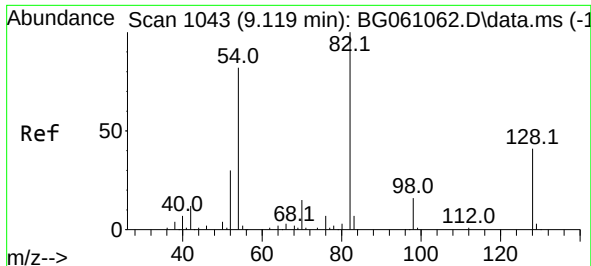
Delta R.T. -0.025 min

Lab File: BG061121.D

Acq: 6 May 2024 15:27

Tgt Ion:136 Resp: 104355
 Ion Ratio Lower Upper
 136 100
 137 10.3 7.8 11.6
 54 11.7 8.1 12.1
 68 3.6 3.0 4.4





#23

Nitrobenzene-d5

Concen: 42.031 ng

RT: 9.088 min Scan# 1043

Delta R.T. -0.031 min

Lab File: BG061121.D

Acq: 6 May 2024 15:27

Instrument :

BNA_G

ClientSampleId :

BG-2

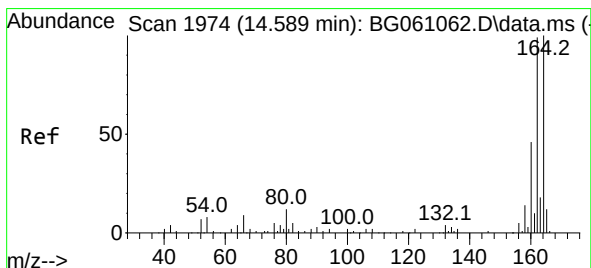
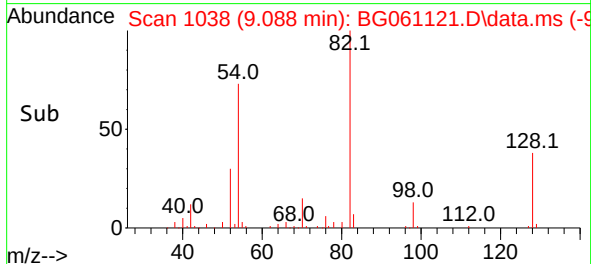
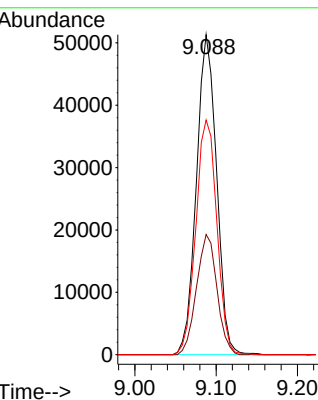
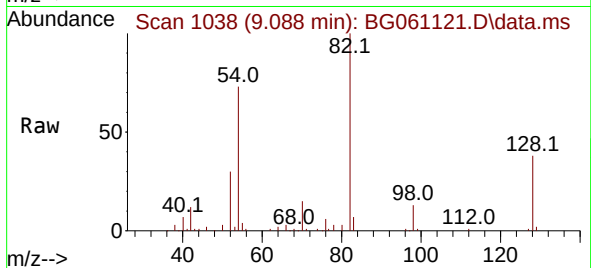
Tgt Ion: 82 Resp: 88479

Ion	Ratio	Lower	Upper
82	100		
128	37.6	32.7	49.1
54	73.4	65.6	98.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.564 min Scan# 1970

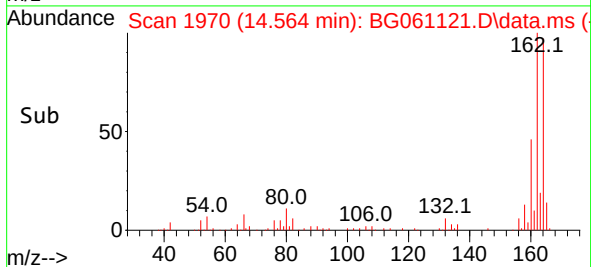
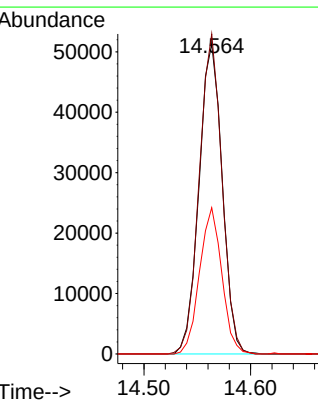
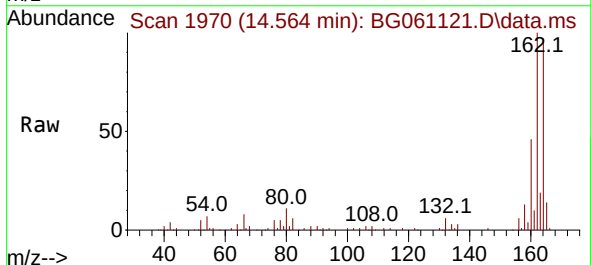
Delta R.T. -0.025 min

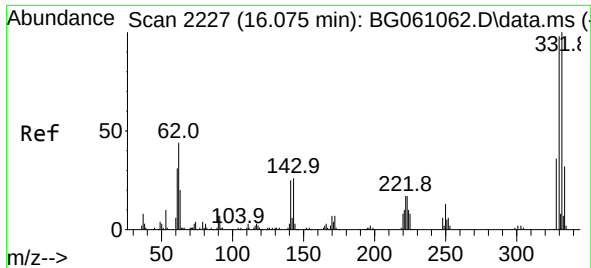
Lab File: BG061121.D

Acq: 6 May 2024 15:27

Tgt Ion:164 Resp: 77493

Ion	Ratio	Lower	Upper
164	100		
162	103.2	79.4	119.2
160	47.2	37.0	55.6





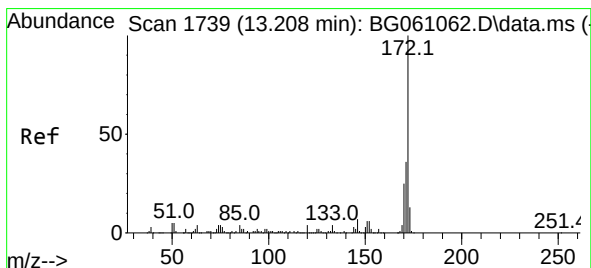
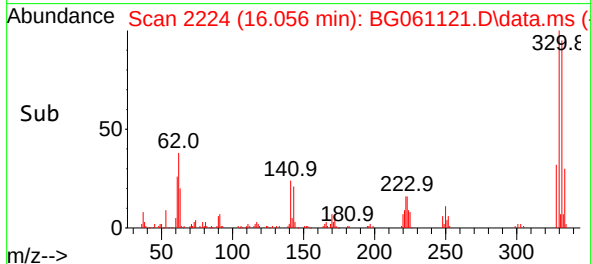
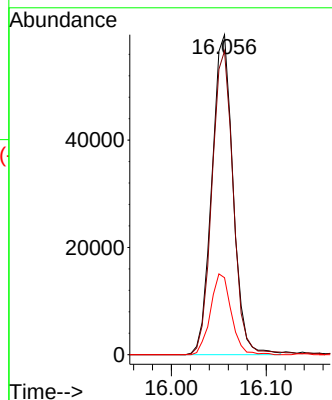
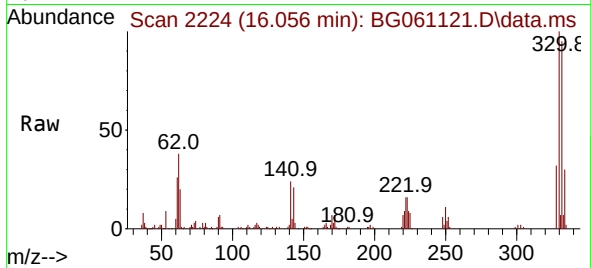
#42
2,4,6-Tribromophenol
Concen: 59.693 ng
RT: 16.056 min Scan# 21
Delta R.T. -0.019 min
Lab File: BG061121.D
Acq: 6 May 2024 15:27

Instrument :
BNA_G
ClientSampleId :
BG-2

Tgt Ion:330 Resp: 9246
Ion Ratio Lower Upper
330 100
332 95.6 78.6 117.8
141 24.8 20.5 30.7

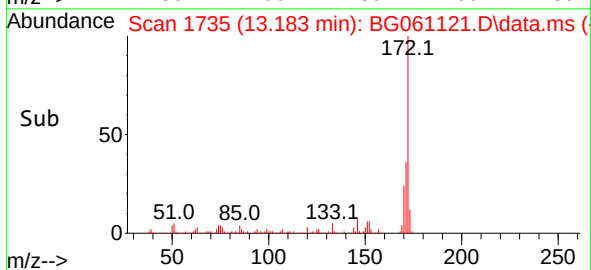
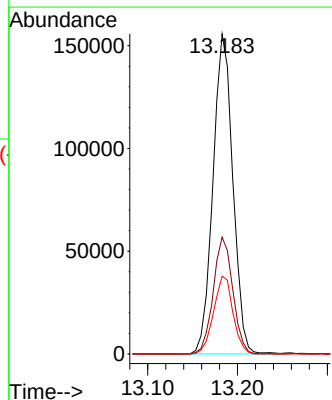
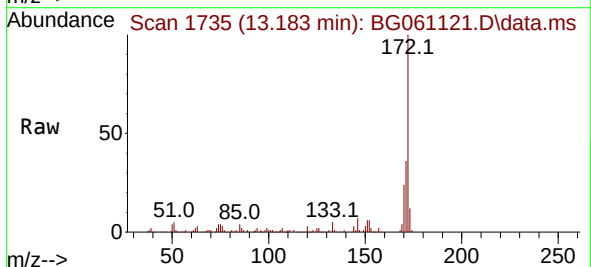
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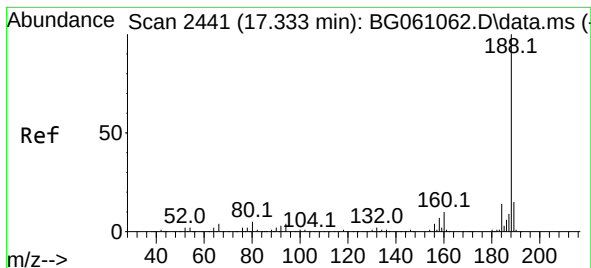
Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024



#45
2-Fluorobiphenyl
Concen: 45.556 ng
RT: 13.183 min Scan# 1735
Delta R.T. -0.025 min
Lab File: BG061121.D
Acq: 6 May 2024 15:27

Tgt Ion:172 Resp: 238737
Ion Ratio Lower Upper
172 100
171 36.5 29.0 43.6
170 24.3 20.2 30.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.307 min Scan# 24

Delta R.T. -0.025 min

Lab File: BG061121.D

Acq: 6 May 2024 15:27

Instrument :

BNA_G

ClientSampleId :

BG-2

Tgt Ion:188 Resp: 176874

Ion Ratio Lower Upper

188 100

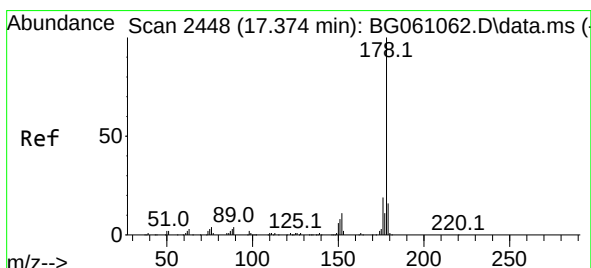
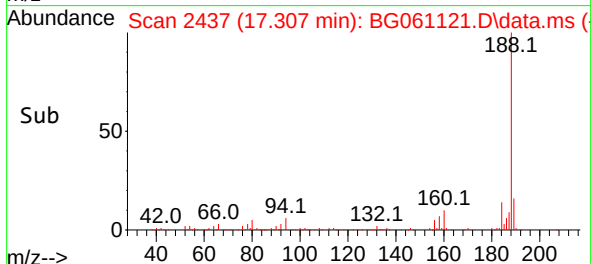
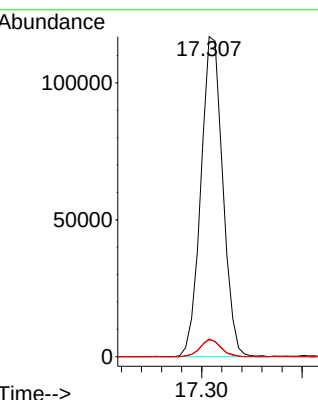
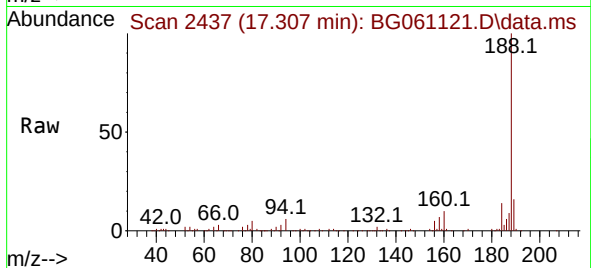
94 5.5 3.6 5.4

80 5.2 4.2 6.2

Manual Integrations

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Supervised By :mohammad ahmed 05/08/2024



#71

Phenanthrene

Concen: 6.465 ng

RT: 17.354 min Scan# 2445

Delta R.T. -0.019 min

Lab File: BG061121.D

Acq: 6 May 2024 15:27

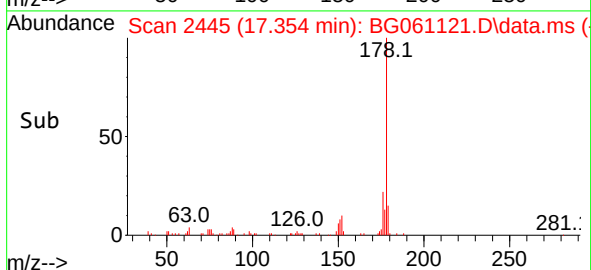
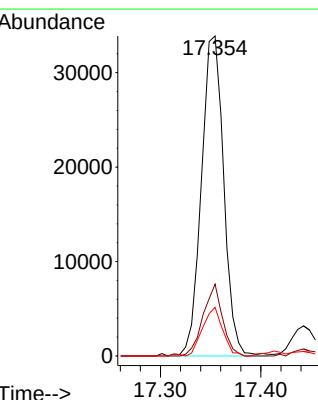
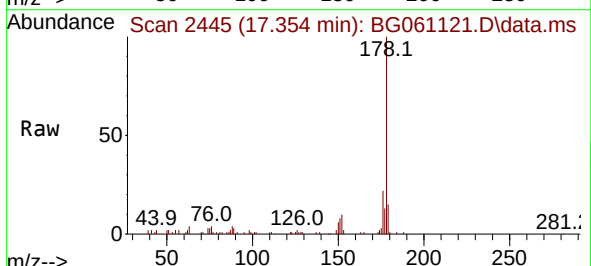
Tgt Ion:178 Resp: 52282

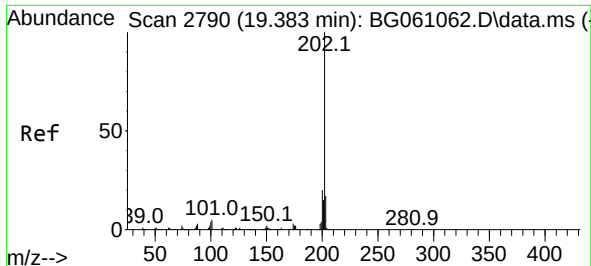
Ion Ratio Lower Upper

178 100

176 22.4 15.5 23.3

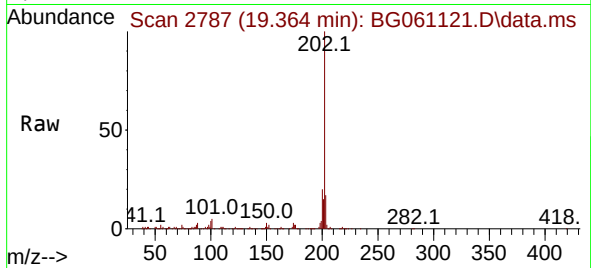
179 15.2 12.6 19.0





#75
Fluoranthene
Concen: 15.826 ng
RT: 19.364 min Scan# 21
Delta R.T. -0.019 min
Lab File: BG061121.D
Acq: 6 May 2024 15:27

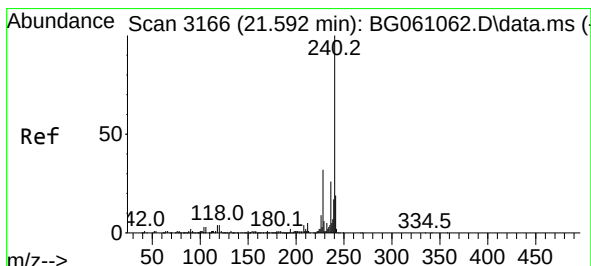
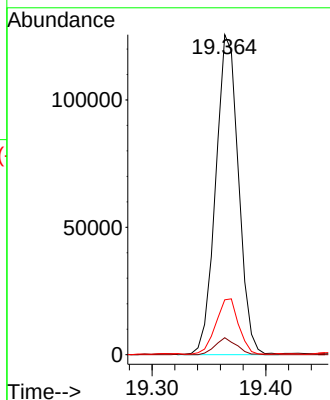
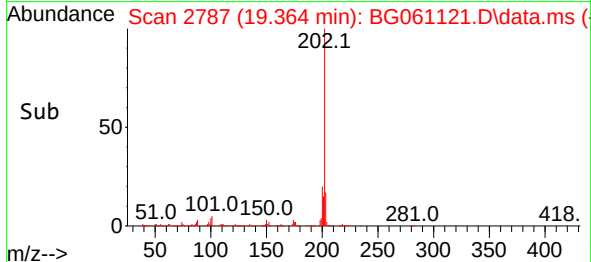
Instrument :
BNA_G
ClientSampleId :
BG-2



Tgt Ion:202 Resp: 175344
Ion Ratio Lower Upper
202 100
101 5.3 0.0 24.7
203 17.1 0.0 37.1

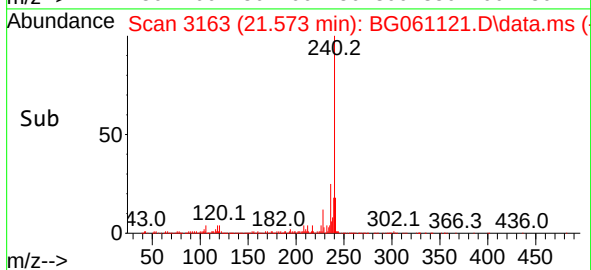
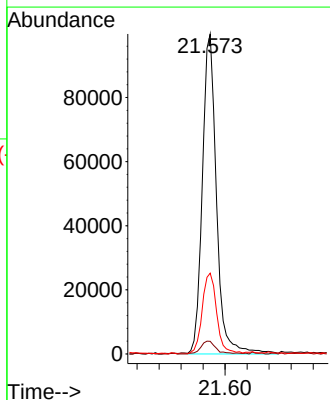
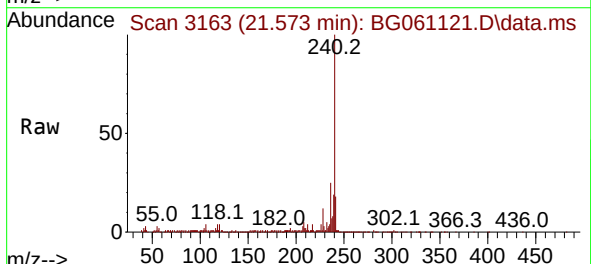
Manual Integrations
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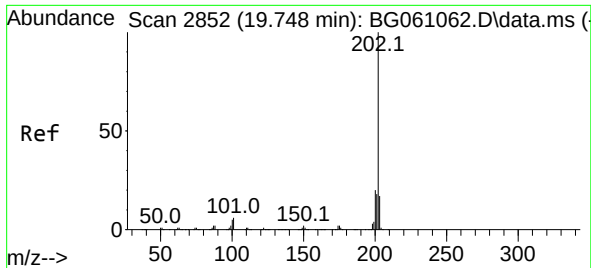
Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.573 min Scan# 3163
Delta R.T. -0.019 min
Lab File: BG061121.D
Acq: 6 May 2024 15:27

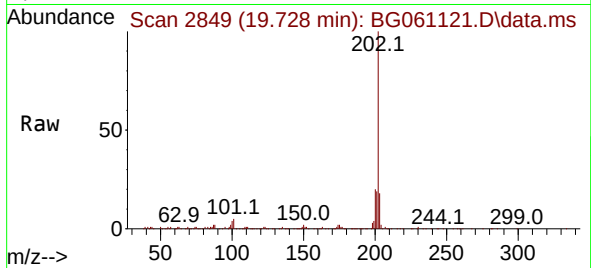
Tgt Ion:240 Resp: 178116
Ion Ratio Lower Upper
240 100
120 4.0 3.2 4.8
236 25.2 21.0 31.6





#78
 Pyrene
 Concen: 12.238 ng
 RT: 19.728 min Scan# 2849
 Delta R.T. -0.019 min
 Lab File: BG061121.D
 Acq: 6 May 2024 15:27

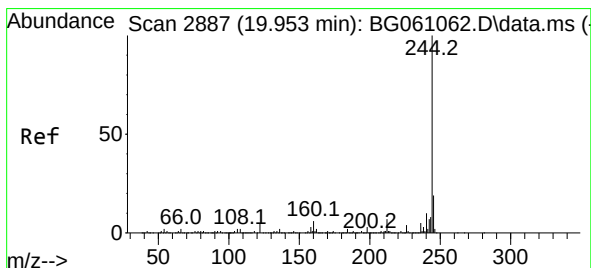
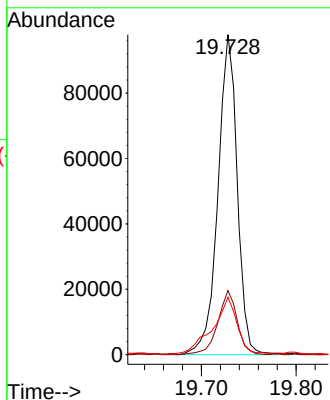
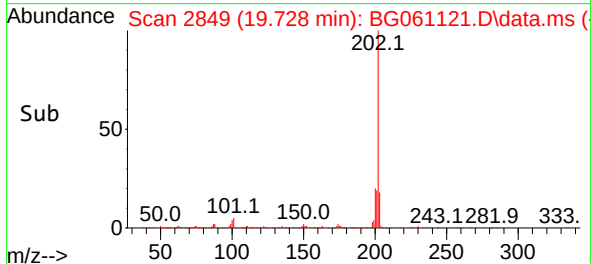
Instrument :
 BNA_G
 ClientSampleId :
 BG-2



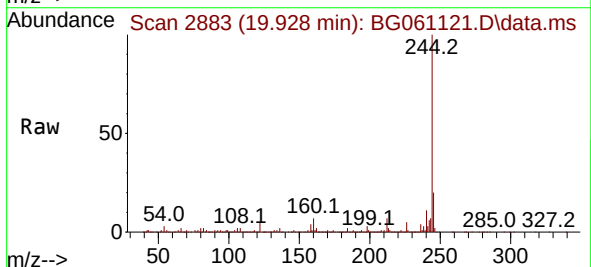
Tgt Ion:202 Resp: 13857
 Ion Ratio Lower Upper
 202 100
 200 20.1 16.2 24.4
 203 18.0 13.3 19.9

Manual Integrations
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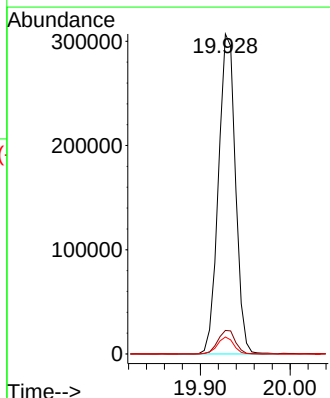
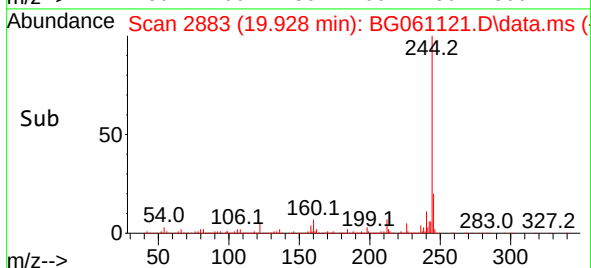
Reviewed By :Jagrut Upadhyay 05/07/2024
 Supervised By :mohammad ahmed 05/08/2024

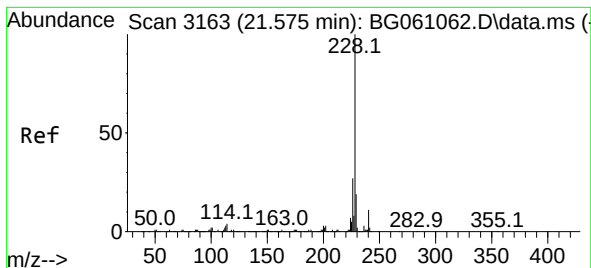


#79
 Terphenyl-d14
 Concen: 37.738 ng
 RT: 19.928 min Scan# 2883
 Delta R.T. -0.025 min
 Lab File: BG061121.D
 Acq: 6 May 2024 15:27



Tgt Ion:244 Resp: 404156
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.7 8.5
 122 5.3 4.2 6.2





#81

Benzo(a)anthracene

Concen: 6.257 ng

RT: 21.549 min Scan# 31

Delta R.T. -0.025 min

Lab File: BG061121.D

Acq: 6 May 2024 15:27

Instrument :

BNA_G

ClientSampleId :

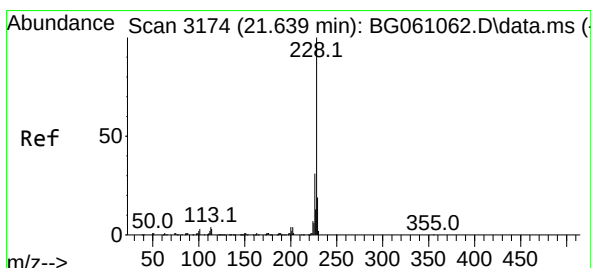
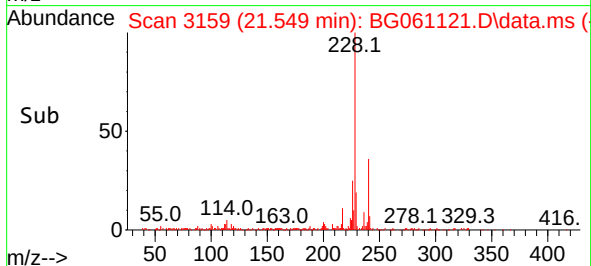
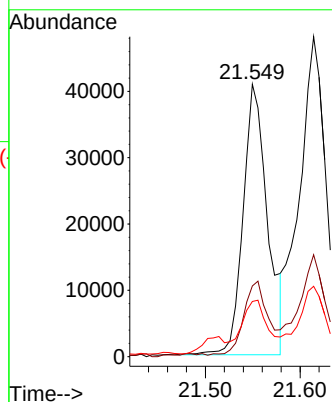
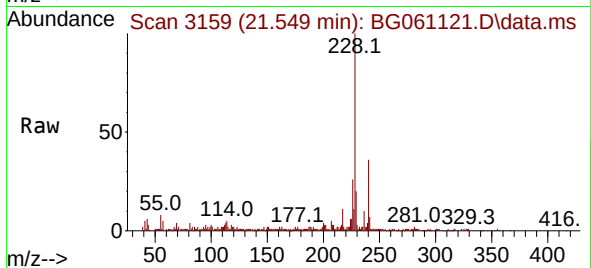
BG-2

Tgt Ion:228	Resp:	72930
Ion Ratio	Lower	Upper
228	100	
226	26.0	21.6 32.4
229	20.3	15.0 22.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024



#83

Chrysene

Concen: 8.899 ng

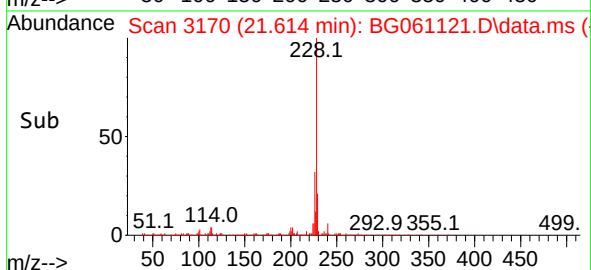
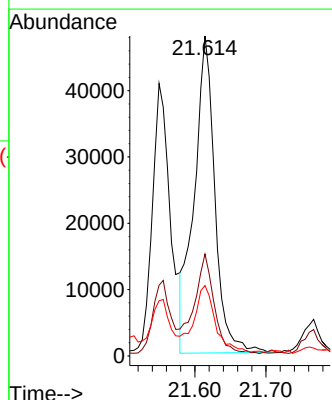
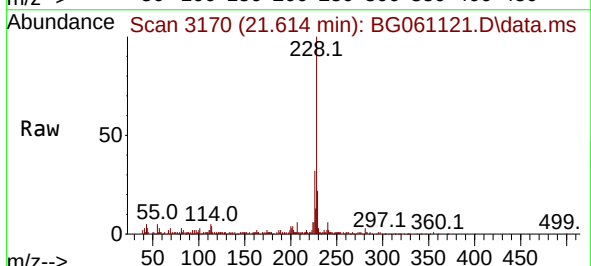
RT: 21.614 min Scan# 3170

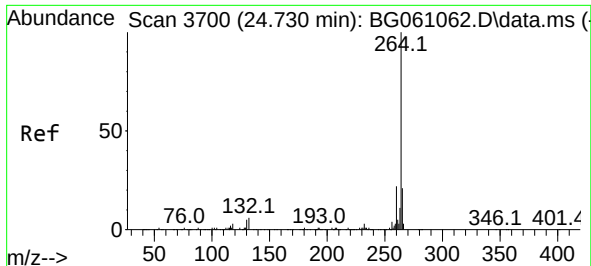
Delta R.T. -0.025 min

Lab File: BG061121.D

Acq: 6 May 2024 15:27

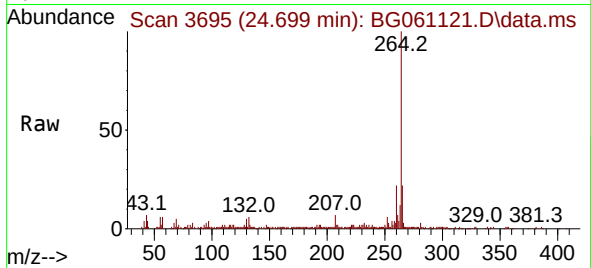
Tgt Ion:228	Resp:	97182
Ion Ratio	Lower	Upper
228	100	
226	31.9	24.4 36.6
229	22.0	14.8 22.2





#86
 Perylene-d12
 Concen: 20.000 ng m
 RT: 24.699 min Scan# 3
 Delta R.T. -0.031 min
 Lab File: BG061121.D
 Acq: 6 May 2024 15:27

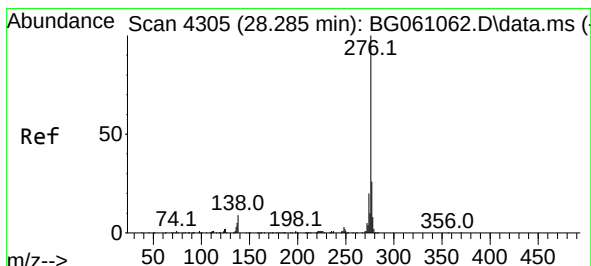
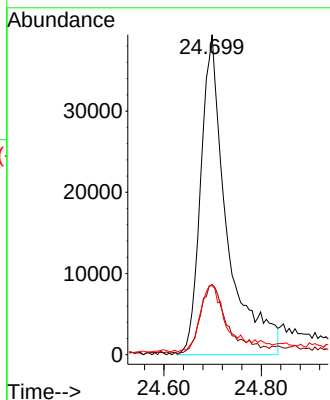
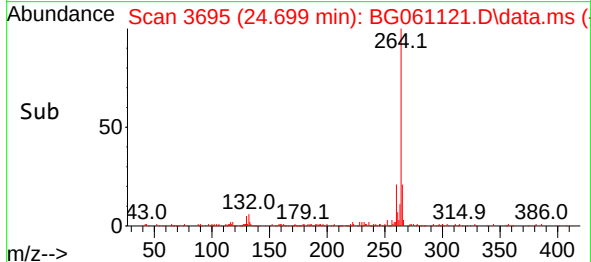
Instrument :
 BNA_G
 ClientSampleId :
 BG-2



Tgt Ion:264 Resp: 14754
 Ion Ratio Lower Upper
 264 100
 260 21.9 17.7 26.5
 265 21.6 16.4 24.6

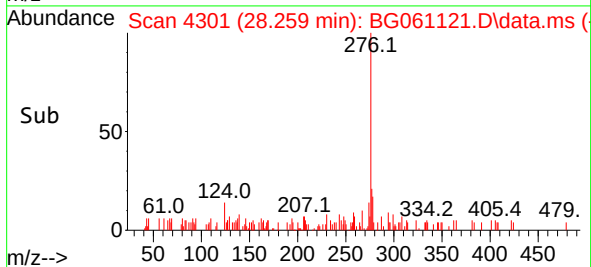
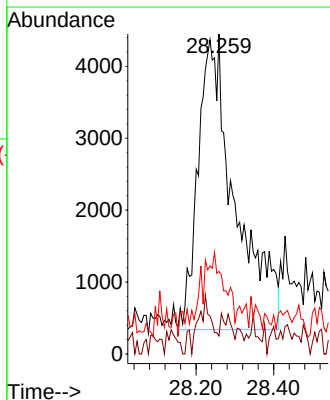
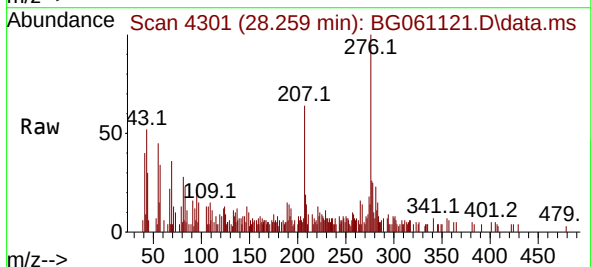
Manual Integrations
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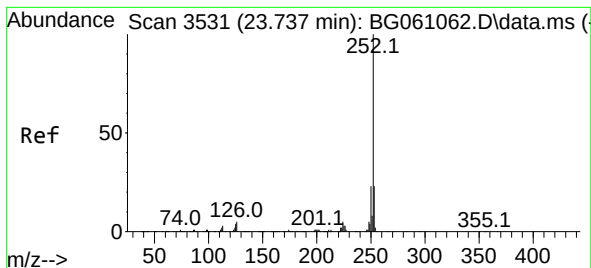
Reviewed By :Jagrut Upadhyay 05/07/2024
 Supervised By :mohammad ahmed 05/08/2024



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.774 ng m
 RT: 28.259 min Scan# 4301
 Delta R.T. -0.025 min
 Lab File: BG061121.D
 Acq: 6 May 2024 15:27

Tgt Ion:276 Resp: 27121
 Ion Ratio Lower Upper
 276 100
 138 1.8 5.1 7.7#
 277 11.3 20.6 30.8#





#88

Benzo(b)fluoranthene

Concen: 10.995 ng

RT: 23.712 min Scan# 3527

Delta R.T. -0.025 min

Lab File: BG061121.D

Acq: 6 May 2024 15:27

Instrument :

BNA_G

ClientSampleId :

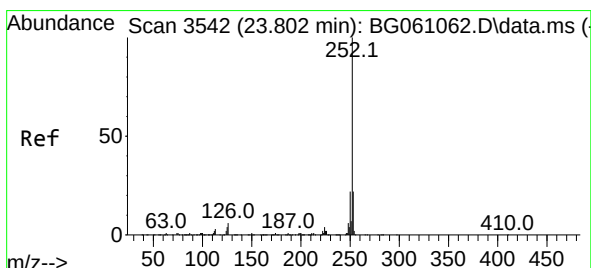
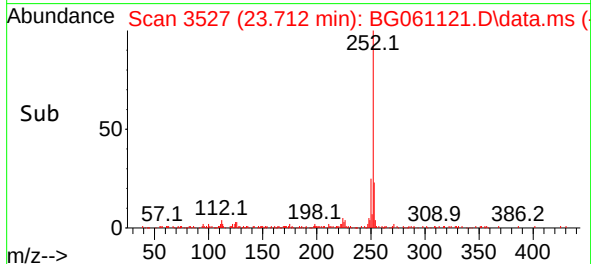
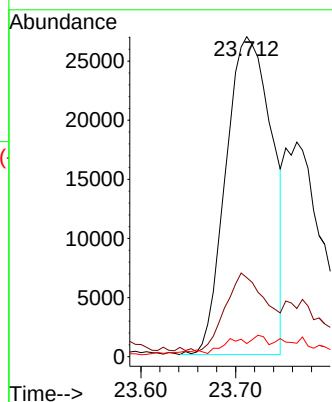
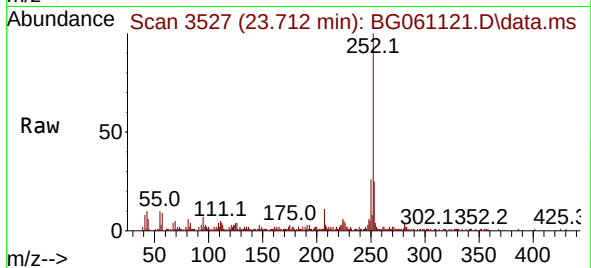
BG-2

Tgt Ion:	252	Resp:	9065
Ion Ratio	Lower	Upper	
252	100		
253	24.7	18.2	27.2
125	4.1	3.4	5.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024



#89

Benzo(k)fluoranthene

Concen: 6.287 ng m

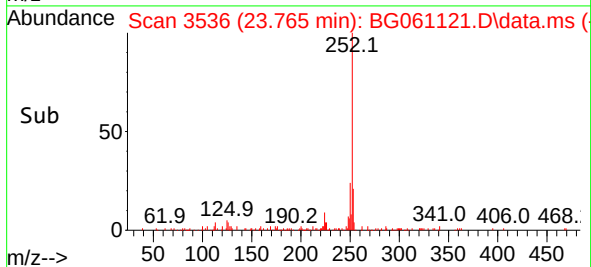
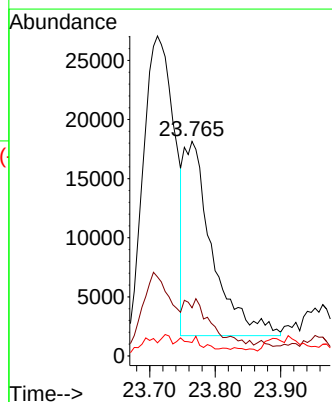
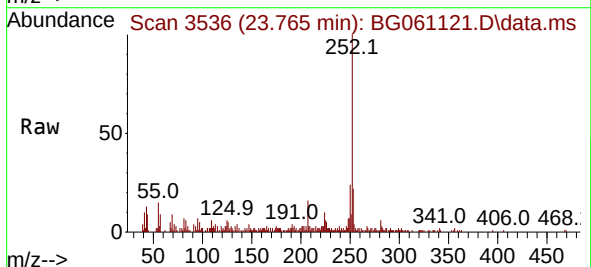
RT: 23.765 min Scan# 3536

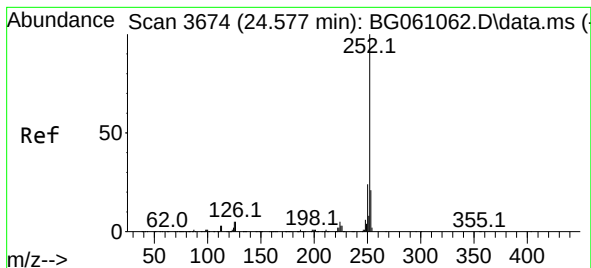
Delta R.T. -0.037 min

Lab File: BG061121.D

Acq: 6 May 2024 15:27

Tgt Ion:	252	Resp:	49865
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.3	25.9
125	6.2	3.2	4.8





#90

Benzo(a)pyrene

Concen: 6.969 ng

RT: 24.552 min Scan# 30

Delta R.T. -0.025 min

Lab File: BG061121.D

Acq: 6 May 2024 15:27

Instrument :

BNA_G

ClientSampleId :

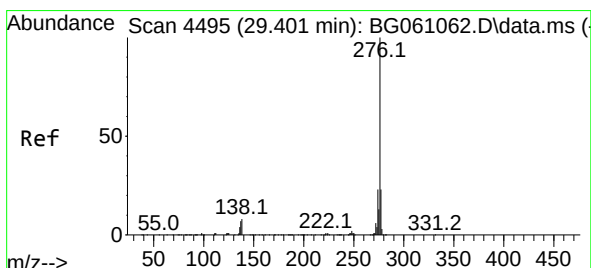
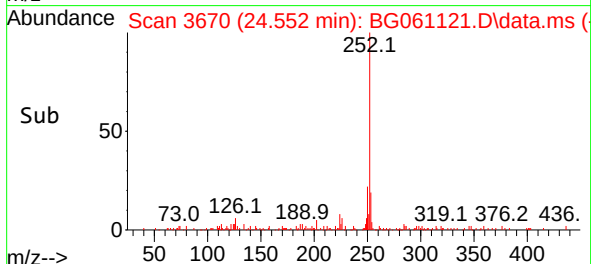
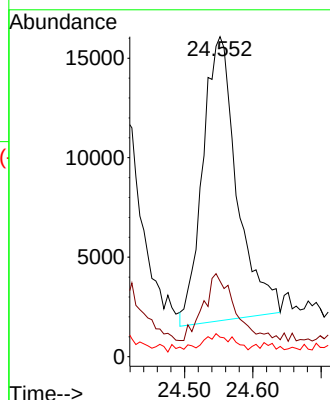
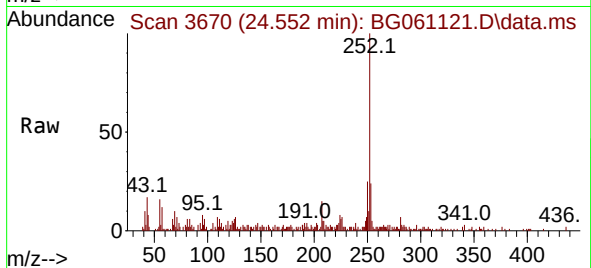
BG-2

Tgt Ion:	252	Resp:	50060
Ion Ratio	Lower	Upper	
252	100		
253	23.6	16.9	25.3
125	6.1	3.8	5.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024



#92

Benzo(g,h,i)perylene

Concen: 3.249 ng m

RT: 29.334 min Scan# 4484

Delta R.T. -0.066 min

Lab File: BG061121.D

Acq: 6 May 2024 15:27

Tgt Ion:	276	Resp:	26142
Ion Ratio	Lower	Upper	
276	100		
277	35.1	18.2	27.4#
138	13.3	6.2	9.2#

