

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
 Data File : BG061081.D
 Acq On : 1 May 2024 18:10
 Operator : MA/JU
 Sample : P2330-03 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D-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 02 05:35:50 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	7.934	152	30179	20.000	ng	-0.03
21) Naphthalene-d8	10.725	136	117226	20.000	ng	#-0.03
39) Acenaphthene-d10	14.562	164	83535	20.000	ng	-0.03
64) Phenanthrene-d10	17.312	188	191264	20.000	ng	-0.02
76) Chrysene-d12	21.566	240	179977	20.000	ng	-0.03
86) Perylene-d12	24.685	264	211243	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	74722	50.354	ng	-0.02
7) Phenol-d6	7.106	99	104512	47.610	ng	-0.03
23) Nitrobenzene-d5	9.086	82	72592	30.698	ng	-0.03
42) 2,4,6-Tribromophenol	16.049	330	75803	45.399	ng	-0.03
45) 2-Fluorobiphenyl	13.181	172	193632	34.276	ng	-0.03
79) Terphenyl-d14	19.926	244	319168	29.494	ng	-0.03
Target Compounds						Qvalue
71) Phenanthrene	17.347	178	18985	2.171	ng	95
75) Fluoranthene	19.362	202	47545	3.968	ng	94
78) Pyrene	19.727	202	44588	3.897	ng	# 95
81) Benzo(a)anthracene	21.548	228	25234	2.143	ng	# 85
83) Chrysene	21.613	228	27042m	2.451	ng	
88) Benzo(b)fluoranthene	23.698	252	34121	2.891	ng	# 94
90) Benzo(a)pyrene	24.533	252	21952m	2.135	ng	

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

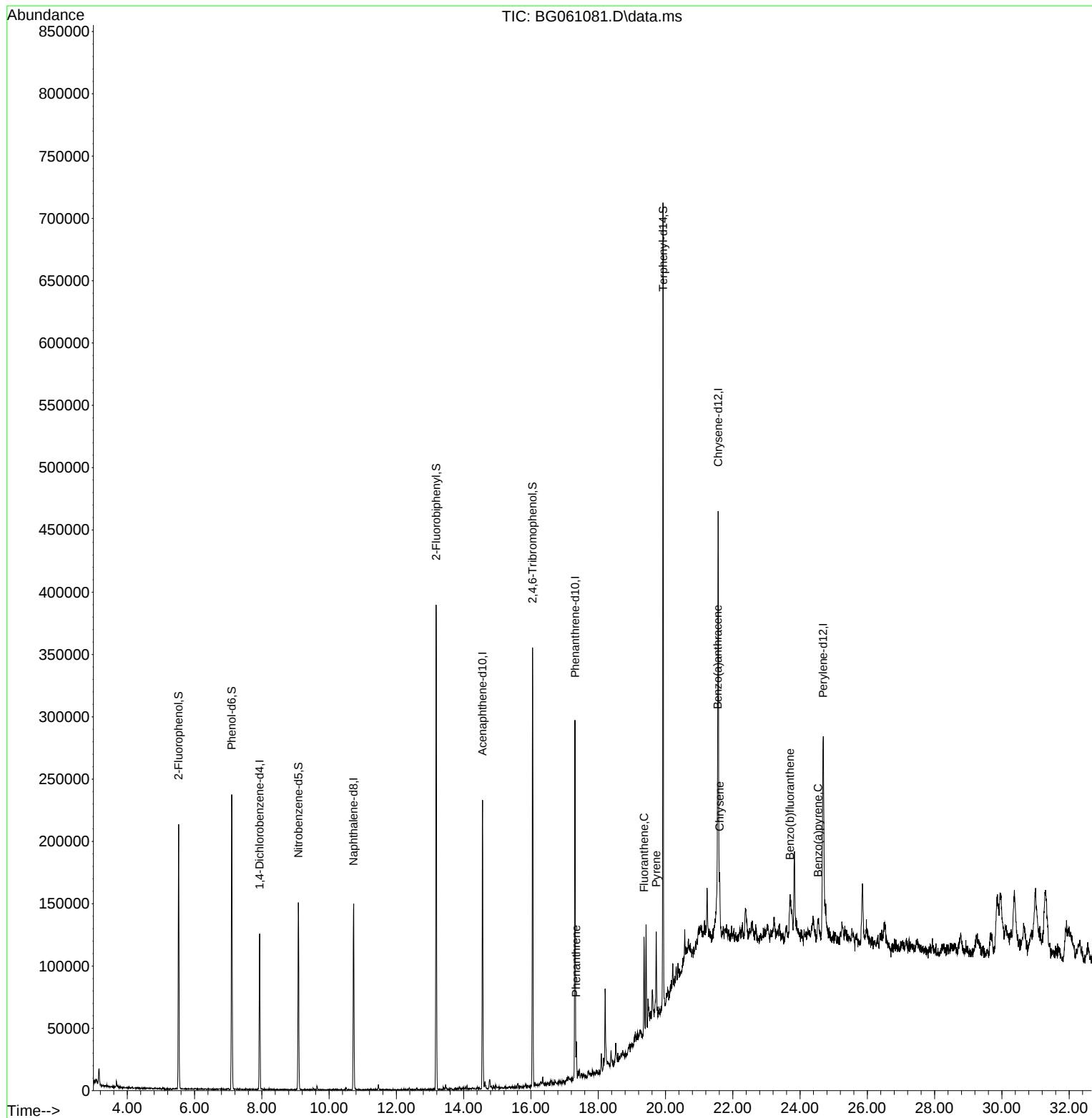
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061081.D
Acq On : 1 May 2024 18:10
Operator : MA/JU
Sample : P2330-03 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

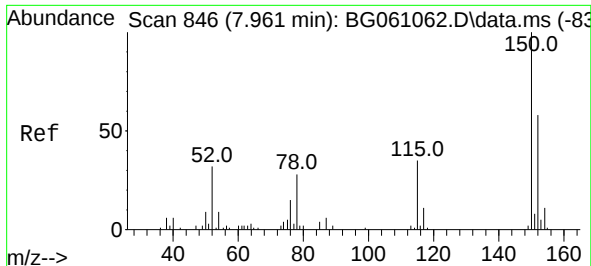
Instrument :
BNA_G
ClientSampleId :
D-1(0.5-1.5)

Quant Time: May 02 05:35:50 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

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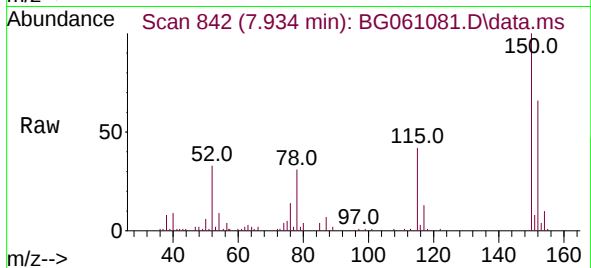
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.934 min Scan# 846
Delta R.T. -0.027 min
Lab File: BG061081.D
Acq: 1 May 2024 18:10

Instrument :

BNA_G

ClientSampleId :

D-1(0.5-1.5)

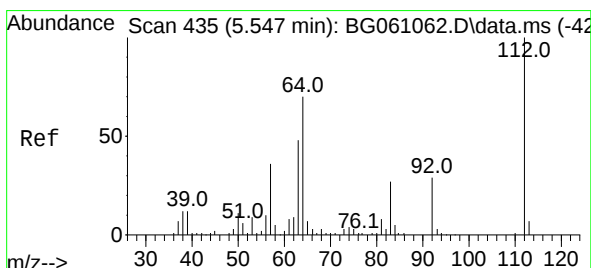
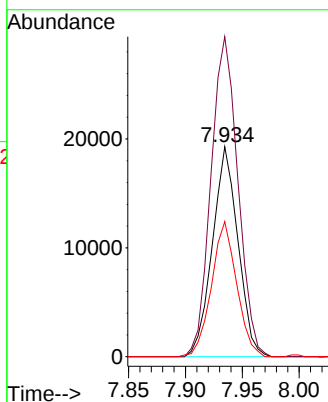
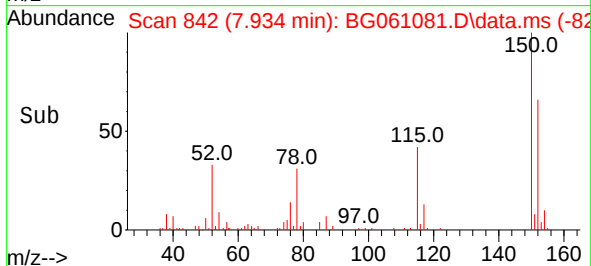


Tgt Ion:152 Resp: 30179
Ion Ratio Lower Upper
152 100
150 152.4 138.3 207.5
115 64.3 48.0 72.0

Manual Integrations

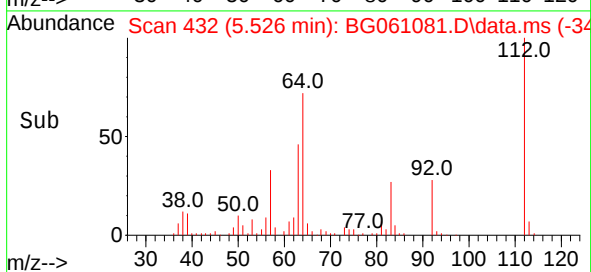
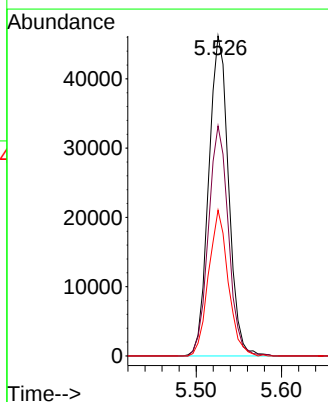
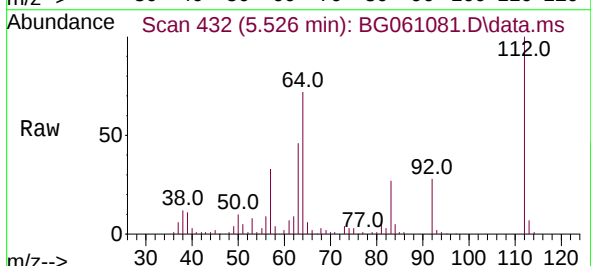
APPROVED

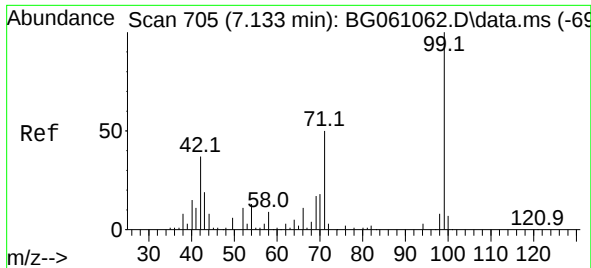
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#5
2-Fluorophenol
Concen: 50.354 ng
RT: 5.526 min Scan# 432
Delta R.T. -0.021 min
Lab File: BG061081.D
Acq: 1 May 2024 18:10

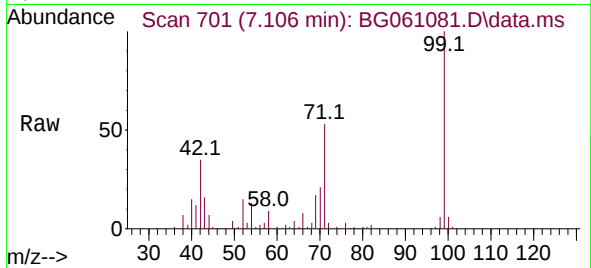
Tgt Ion:112 Resp: 74722
Ion Ratio Lower Upper
112 100
64 71.9 55.7 83.5
63 45.5 38.1 57.1





#7
Phenol-d6
Concen: 47.610 ng
RT: 7.106 min Scan# 705
Delta R.T. -0.027 min
Lab File: BG061081.D
Acq: 1 May 2024 18:10

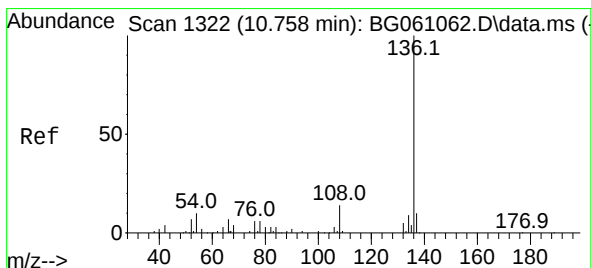
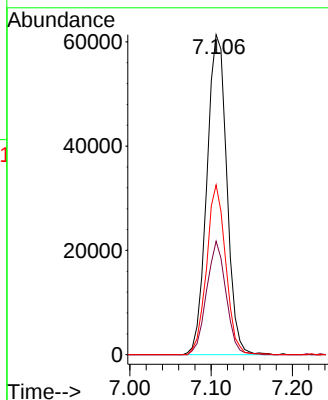
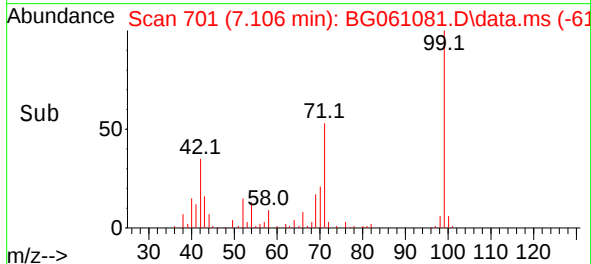
Instrument :
BNA_G
ClientSampleId :
D-1(0.5-1.5)



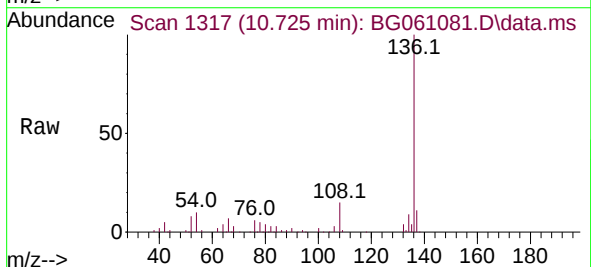
Tgt Ion: 99 Resp: 104512
Ion Ratio Lower Upper
99 100
42 35.5 29.2 43.8
71 53.0 39.7 59.5

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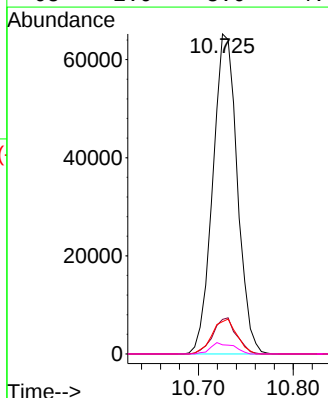
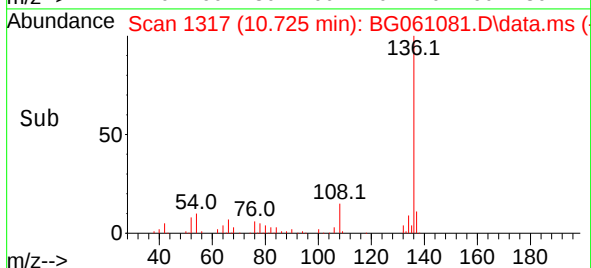
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024

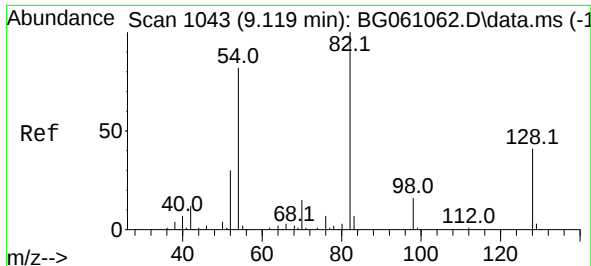


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.725 min Scan# 1317
Delta R.T. -0.033 min
Lab File: BG061081.D
Acq: 1 May 2024 18:10



Tgt Ion:136 Resp: 117226
Ion Ratio Lower Upper
136 100
137 10.8 7.8 11.6
54 10.1 8.1 12.1
68 2.9 3.0 4.4#





#23

Nitrobenzene-d5

Concen: 30.698 ng

RT: 9.086 min Scan# 1038

Delta R.T. -0.033 min

Lab File: BG061081.D

Acq: 1 May 2024 18:10

Instrument :

BNA_G

ClientSampleId :

D-1(0.5-1.5)

Tgt Ion: 82 Resp: 72592

Ion Ratio Lower Upper

82 100

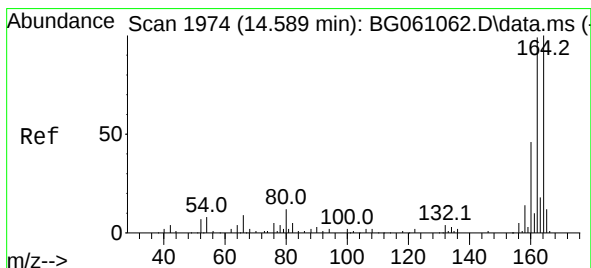
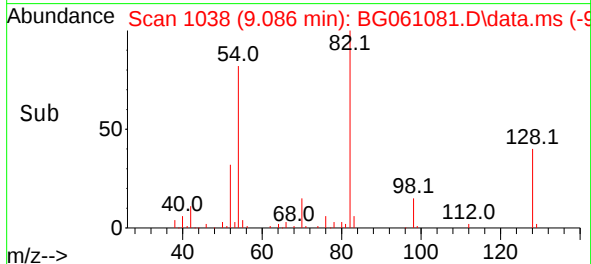
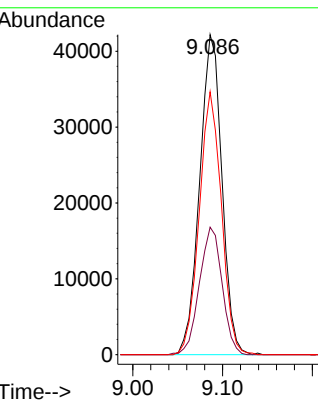
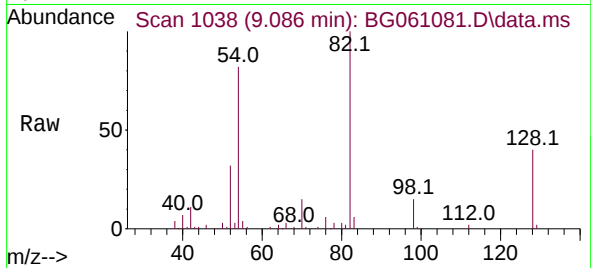
128 39.9 32.7 49.1

54 82.2 65.6 98.4

Manual Integrations

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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.562 min Scan# 1970

Delta R.T. -0.027 min

Lab File: BG061081.D

Acq: 1 May 2024 18:10

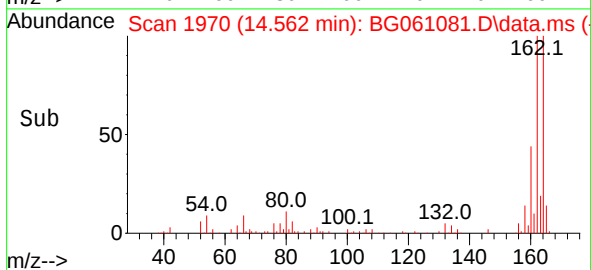
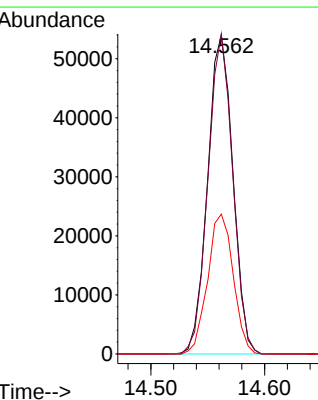
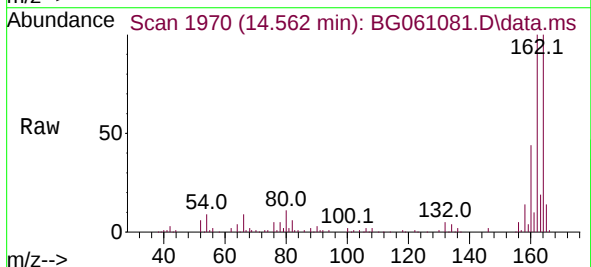
Tgt Ion:164 Resp: 83535

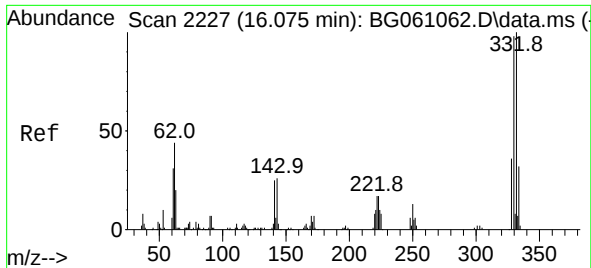
Ion Ratio Lower Upper

164 100

162 100.4 79.4 119.2

160 43.9 37.0 55.6





#42
2,4,6-Tribromophenol
Concen: 45.399 ng
RT: 16.049 min Scan# 21
Delta R.T. -0.027 min
Lab File: BG061081.D
Acq: 1 May 2024 18:10

Instrument :

BNA_G

ClientSampleId :

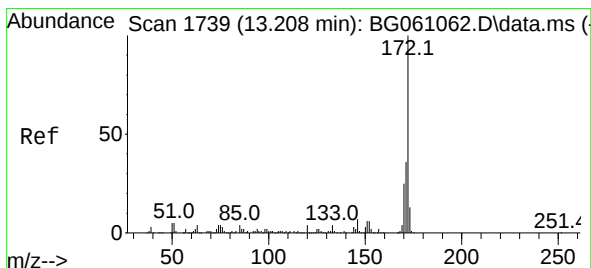
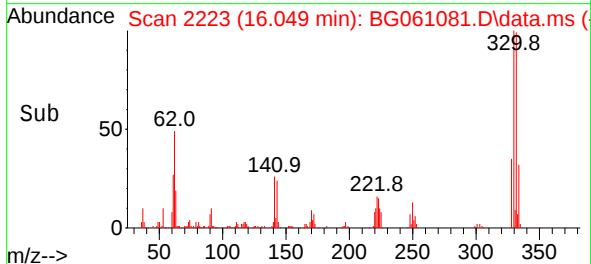
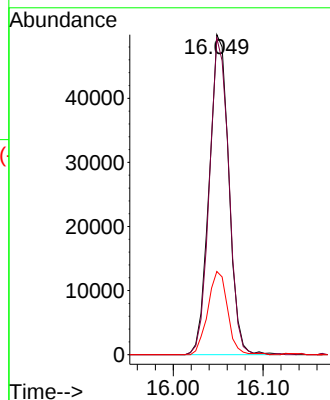
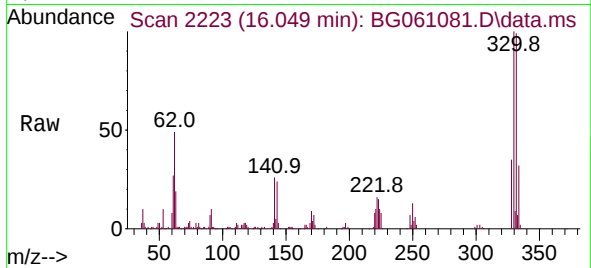
D-1(0.5-1.5)

Tgt Ion:330 Resp: 7580
Ion Ratio Lower Upper
330 100
332 97.4 78.6 117.8
141 26.2 20.5 30.7

Manual Integrations

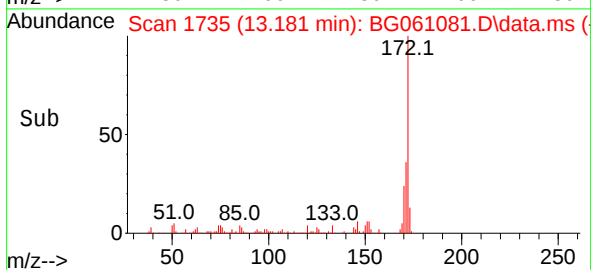
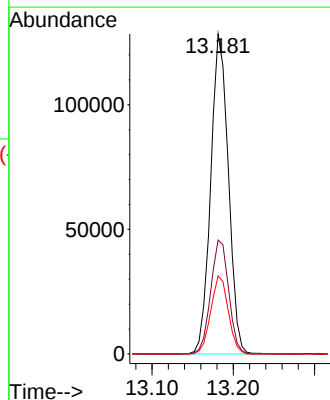
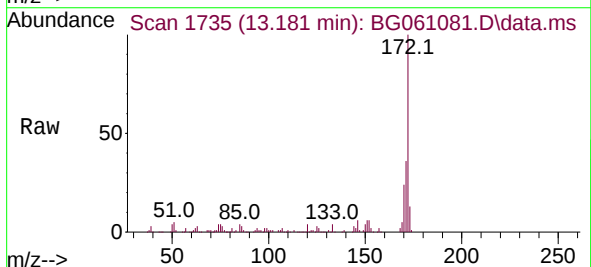
APPROVED

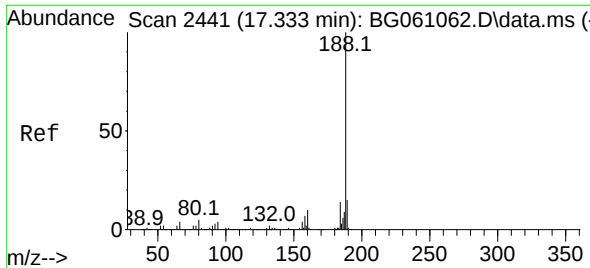
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#45
2-Fluorobiphenyl
Concen: 34.276 ng
RT: 13.181 min Scan# 1735
Delta R.T. -0.027 min
Lab File: BG061081.D
Acq: 1 May 2024 18:10

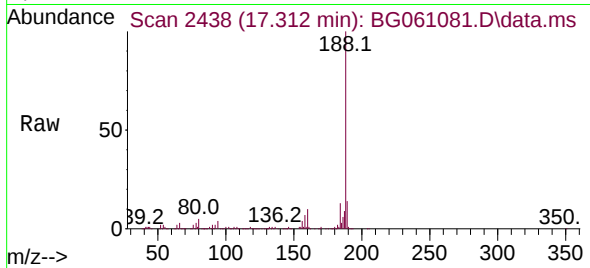
Tgt Ion:172 Resp: 193632
Ion Ratio Lower Upper
172 100
171 35.6 29.0 43.6
170 24.4 20.2 30.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.312 min Scan# 2438
Delta R.T. -0.021 min
Lab File: BG061081.D
Acq: 1 May 2024 18:10

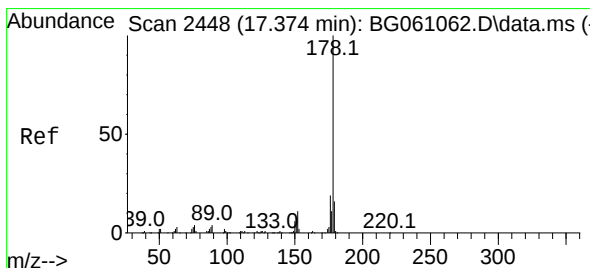
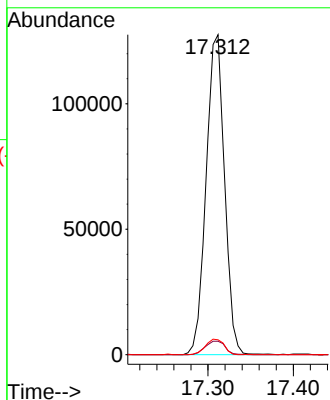
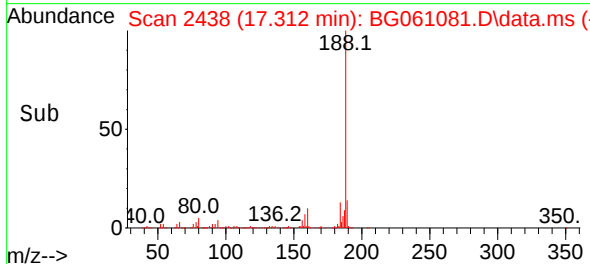
Instrument :
BNA_G
ClientSampleId :
D-1(0.5-1.5)



Tgt Ion:188 Resp: 191264
Ion Ratio Lower Upper
188 100
94 4.2 3.6 5.4
80 4.7 4.2 6.2

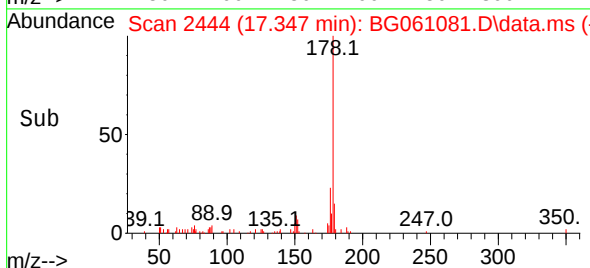
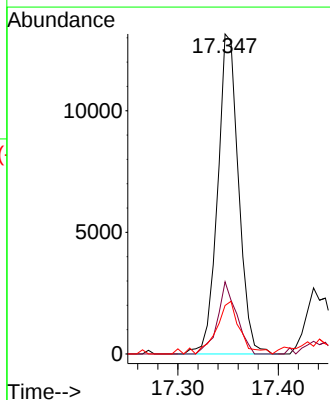
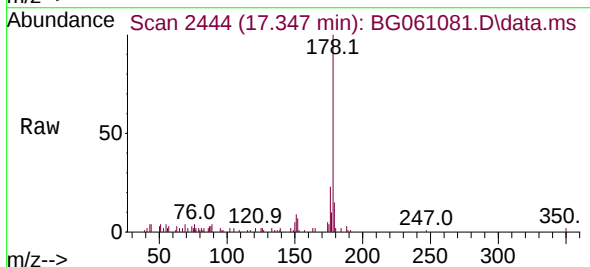
Manual Integrations
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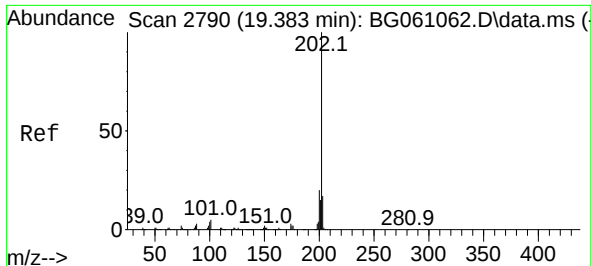
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#71
Phenanthrene
Concen: 2.171 ng
RT: 17.347 min Scan# 2444
Delta R.T. -0.027 min
Lab File: BG061081.D
Acq: 1 May 2024 18:10

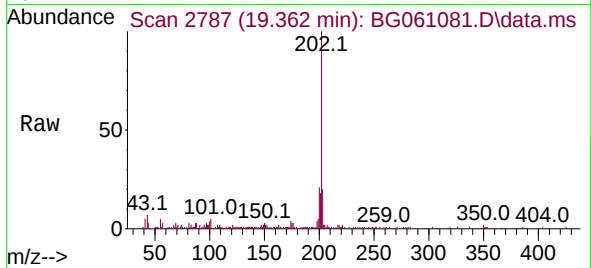
Tgt Ion:178 Resp: 18985
Ion Ratio Lower Upper
178 100
176 22.6 15.5 23.3
179 15.1 12.6 19.0





#75
Fluoranthene
Concen: 3.968 ng
RT: 19.362 min Scan# 21
Delta R.T. -0.021 min
Lab File: BG061081.D
Acq: 1 May 2024 18:10

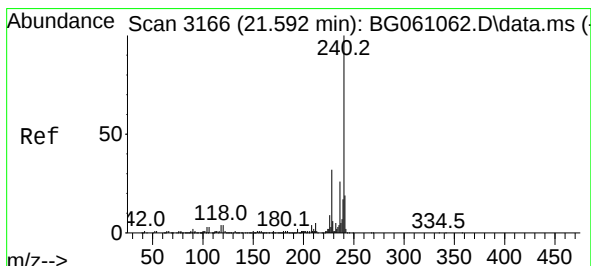
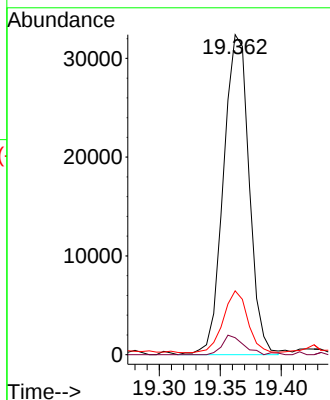
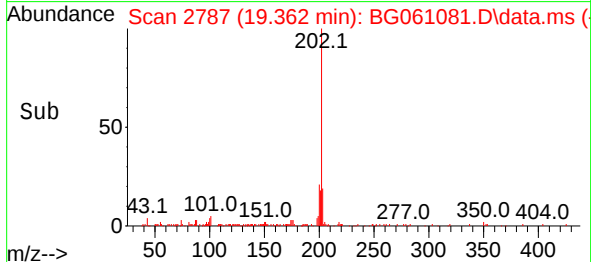
Instrument :
BNA_G
ClientSampleId :
D-1(0.5-1.5)



Tgt Ion:202 Resp: 47549
Ion Ratio Lower Upper
202 100
101 5.3 0.0 24.7
203 20.0 0.0 37.1

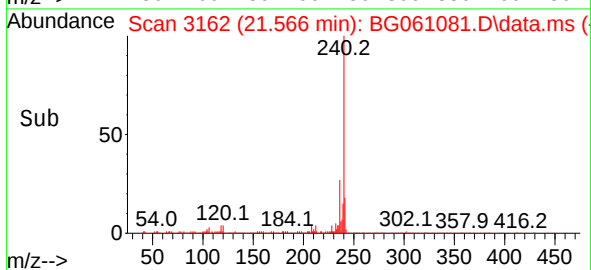
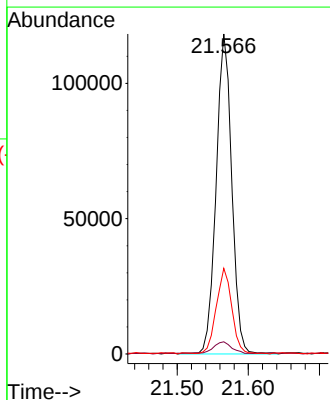
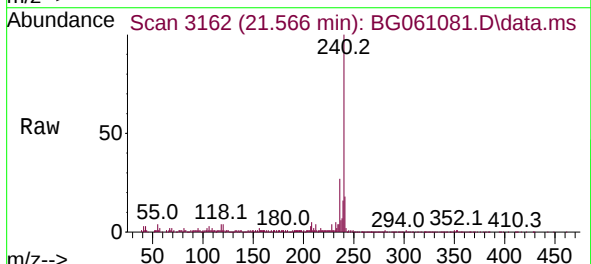
Manual Integrations
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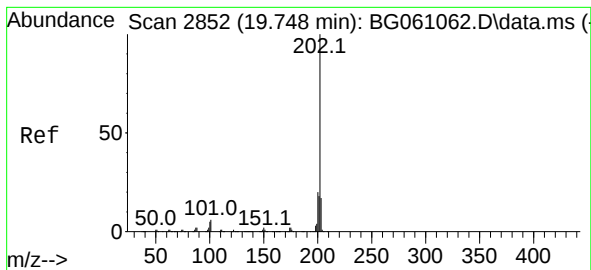
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.566 min Scan# 3162
Delta R.T. -0.027 min
Lab File: BG061081.D
Acq: 1 May 2024 18:10

Tgt Ion:240 Resp: 179977
Ion Ratio Lower Upper
240 100
120 3.8 3.2 4.8
236 26.8 21.0 31.6





#78

Pyrene

Concen: 3.897 ng

RT: 19.727 min Scan# 2849

Delta R.T. -0.021 min

Lab File: BG061081.D

Acq: 1 May 2024 18:10

Instrument :

BNA_G

ClientSampleId :

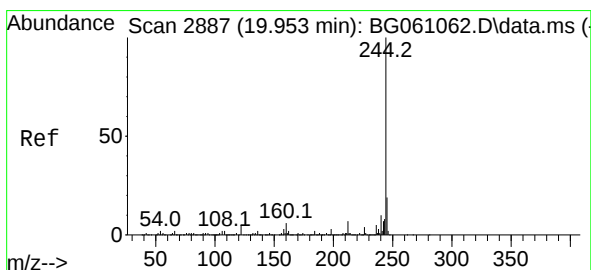
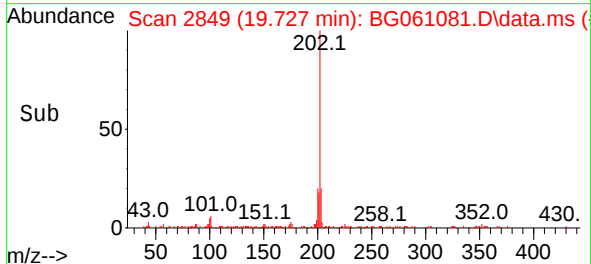
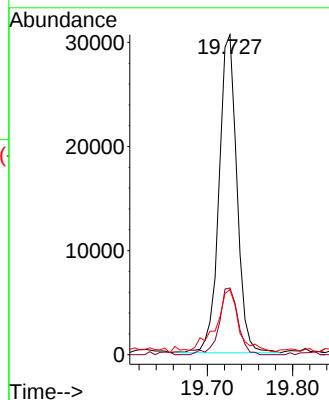
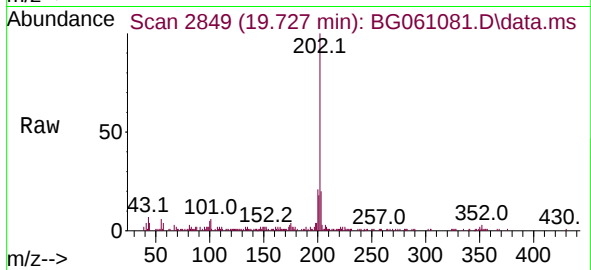
D-1(0.5-1.5)

Tgt Ion:	202	Resp:	4458
Ion Ratio	Lower	Upper	
202	100		
200	20.9	16.2	24.4
203	20.4	13.3	19.9

Manual Integrations

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



#79

Terphenyl-d14

Concen: 29.494 ng

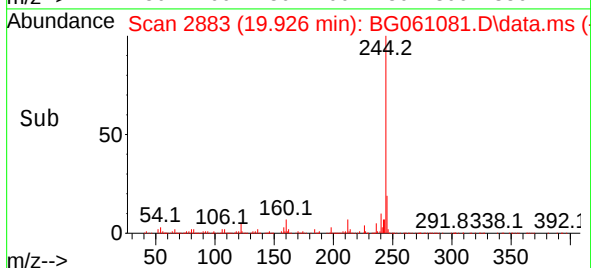
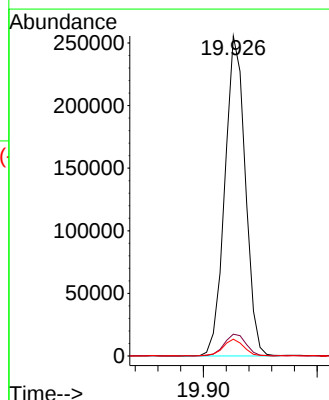
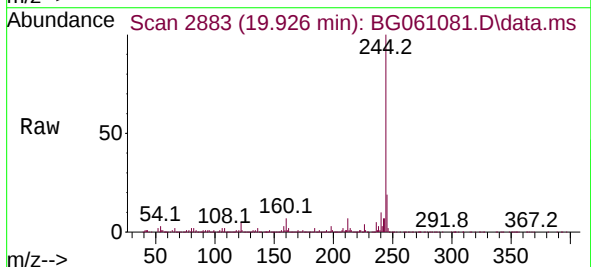
RT: 19.926 min Scan# 2883

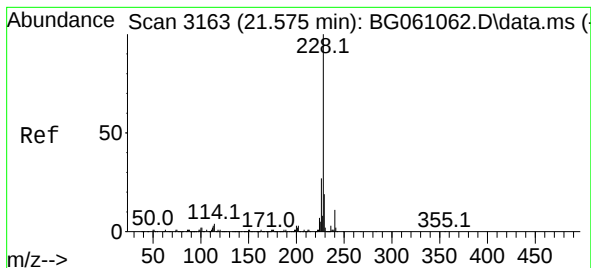
Delta R.T. -0.027 min

Lab File: BG061081.D

Acq: 1 May 2024 18:10

Tgt Ion:	244	Resp:	319168
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.7	8.5
122	5.3	4.2	6.2





#81

Benzo(a)anthracene

Concen: 2.143 ng

RT: 21.548 min Scan# 3159

Delta R.T. -0.027 min

Lab File: BG061081.D

Acq: 1 May 2024 18:10

Instrument :

BNA_G

ClientSampleId :

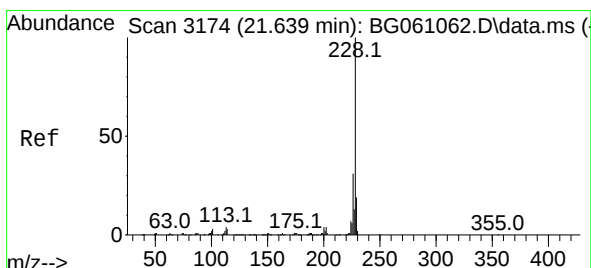
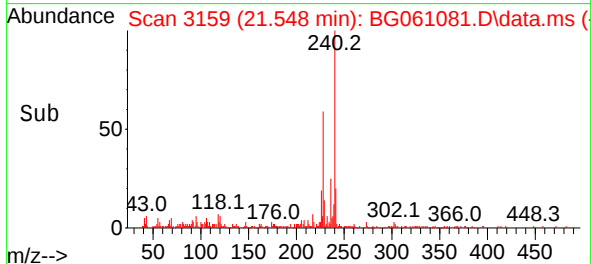
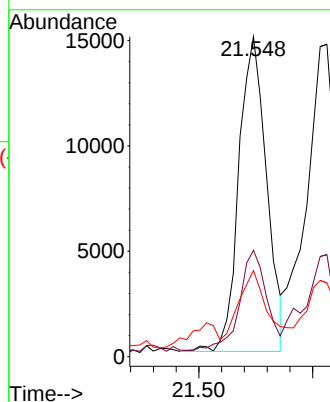
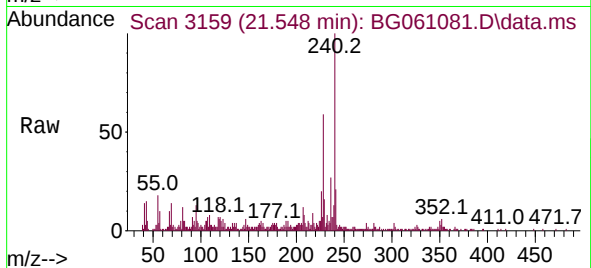
D-1(0.5-1.5)

Tgt Ion:	228	Resp:	2523
Ion Ratio	Lower	Upper	
228	100		
226	33.2	21.6	32.4
229	26.9	15.0	22.4

Manual Integrations

APPROVED

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



#83

Chrysene

Concen: 2.451 ng m

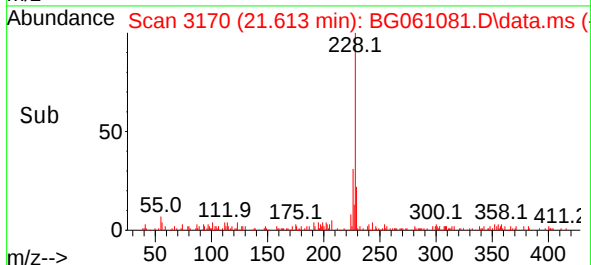
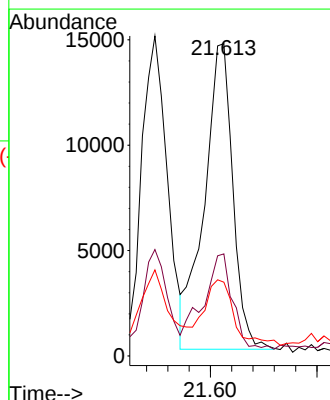
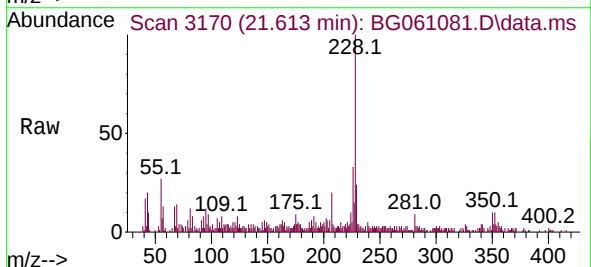
RT: 21.613 min Scan# 3170

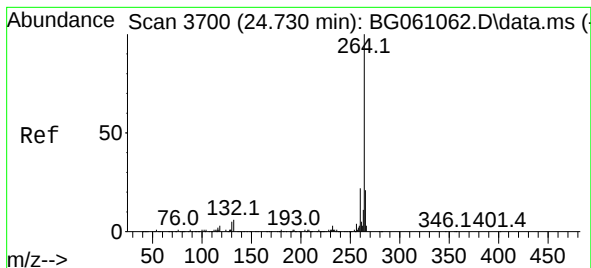
Delta R.T. -0.027 min

Lab File: BG061081.D

Acq: 1 May 2024 18:10

Tgt Ion:	228	Resp:	27042
Ion Ratio	Lower	Upper	
228	100		
226	32.7	24.4	36.6
229	23.6	14.8	22.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.685 min Scan# 3

Delta R.T. -0.045 min

Lab File: BG061081.D

Acq: 1 May 2024 18:10

Instrument :

BNA_G

ClientSampleId :

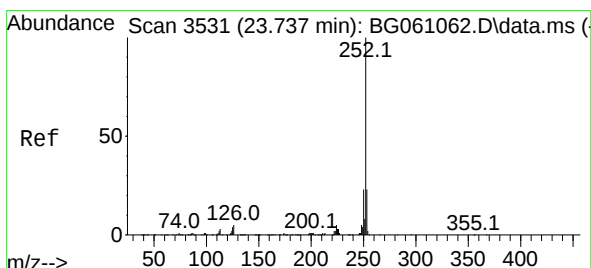
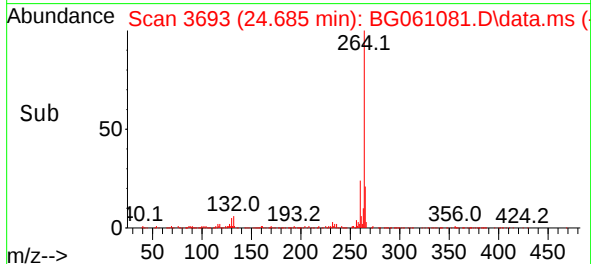
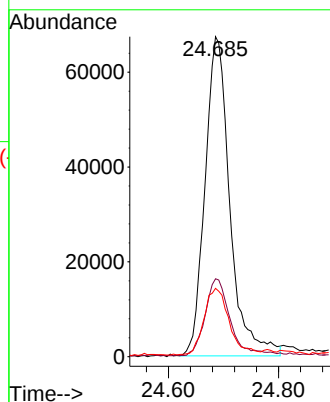
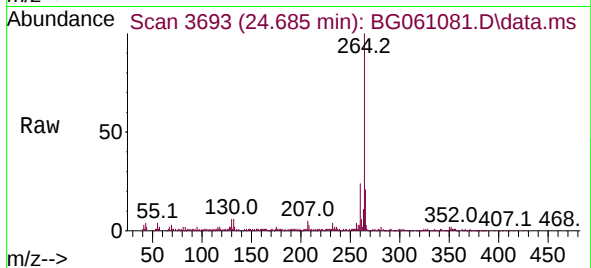
D-1(0.5-1.5)

Tgt Ion:264	Resp:	21124
Ion Ratio	Lower	Upper
264	100	
260	24.3	17.7 26.5
265	21.4	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: 2.891 ng

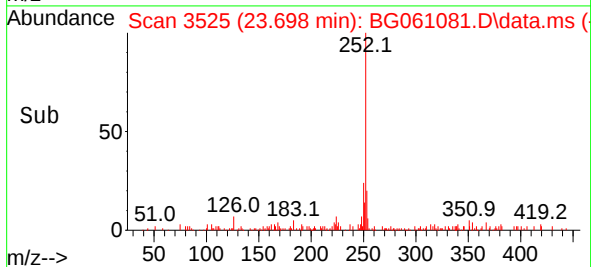
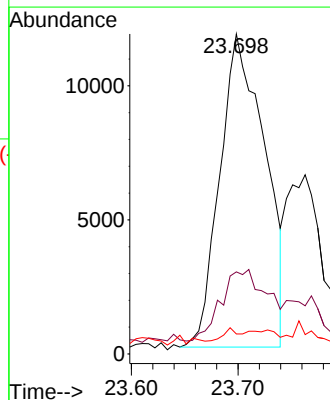
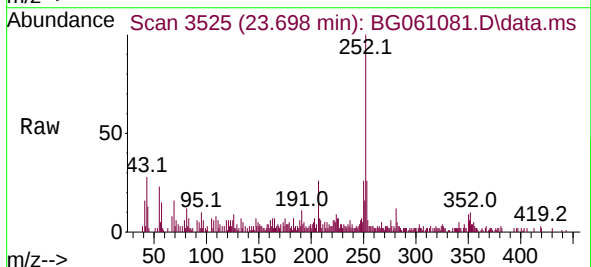
RT: 23.698 min Scan# 3525

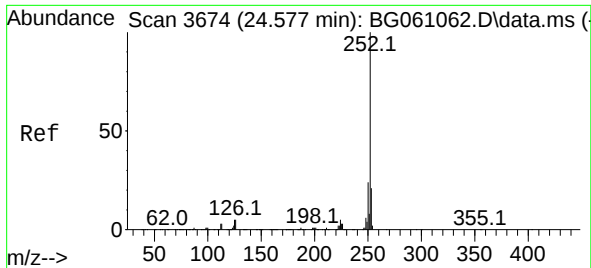
Delta R.T. -0.039 min

Lab File: BG061081.D

Acq: 1 May 2024 18:10

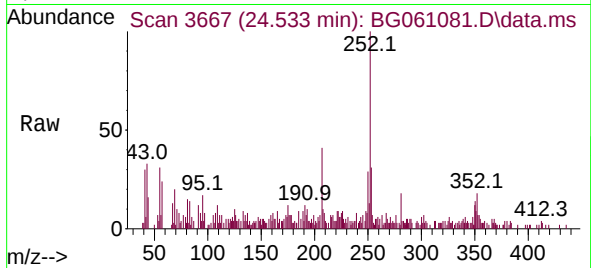
Tgt Ion:252	Resp:	34121
Ion Ratio	Lower	Upper
252	100	
253	25.7	18.2 27.2
125	6.2	3.4 5.0#





#90
 Benzo(a)pyrene
 Concen: 2.135 ng m
 RT: 24.533 min Scan# 30
 Delta R.T. -0.045 min
 Lab File: BG061081.D
 Acq: 1 May 2024 18:10

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



Tgt Ion:252 Resp: 2195
 Ion Ratio Lower Upper
 252 100
 253 31.1 16.9 25.3
 125 10.0 3.8 5.8

Manual Integrations
 APPROVED

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

