

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
 Data File : BG061079.D
 Acq On : 1 May 2024 16:47
 Operator : MA/JU
 Sample : P2330-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 H-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 17:54:13 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	7.937	152	29231	20.000	ng	-0.02
21) Naphthalene-d8	10.728	136	112631	20.000	ng	-0.03
39) Acenaphthene-d10	14.559	164	81406	20.000	ng	-0.03
64) Phenanthrene-d10	17.309	188	185494	20.000	ng	-0.02
76) Chrysene-d12	21.563	240	177985	20.000	ng	-0.03
86) Perylene-d12	24.688	264	219005	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	141689	98.580	ng	-0.02
7) Phenol-d6	7.109	99	191818	90.215	ng	-0.02
23) Nitrobenzene-d5	9.089	82	133897	58.932	ng	-0.03
42) 2,4,6-Tribromophenol	16.051	330	147606	90.714	ng	-0.02
45) 2-Fluorobiphenyl	13.184	172	380424	69.103	ng	-0.02
79) Terphenyl-d14	19.929	244	644097	60.186	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	17.350	178	23414	2.761	ng	# 93
75) Fluoranthene	19.359	202	60222	5.183	ng	97
78) Pyrene	19.724	202	58654	5.183	ng	99
81) Benzo(a)anthracene	21.545	228	35708	3.066	ng	92
83) Chrysene	21.610	228	34974m	3.205	ng	
88) Benzo(b)fluoranthene	23.695	252	52423	4.284	ng	# 96
90) Benzo(a)pyrene	24.530	252	34750	3.259	ng	98

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

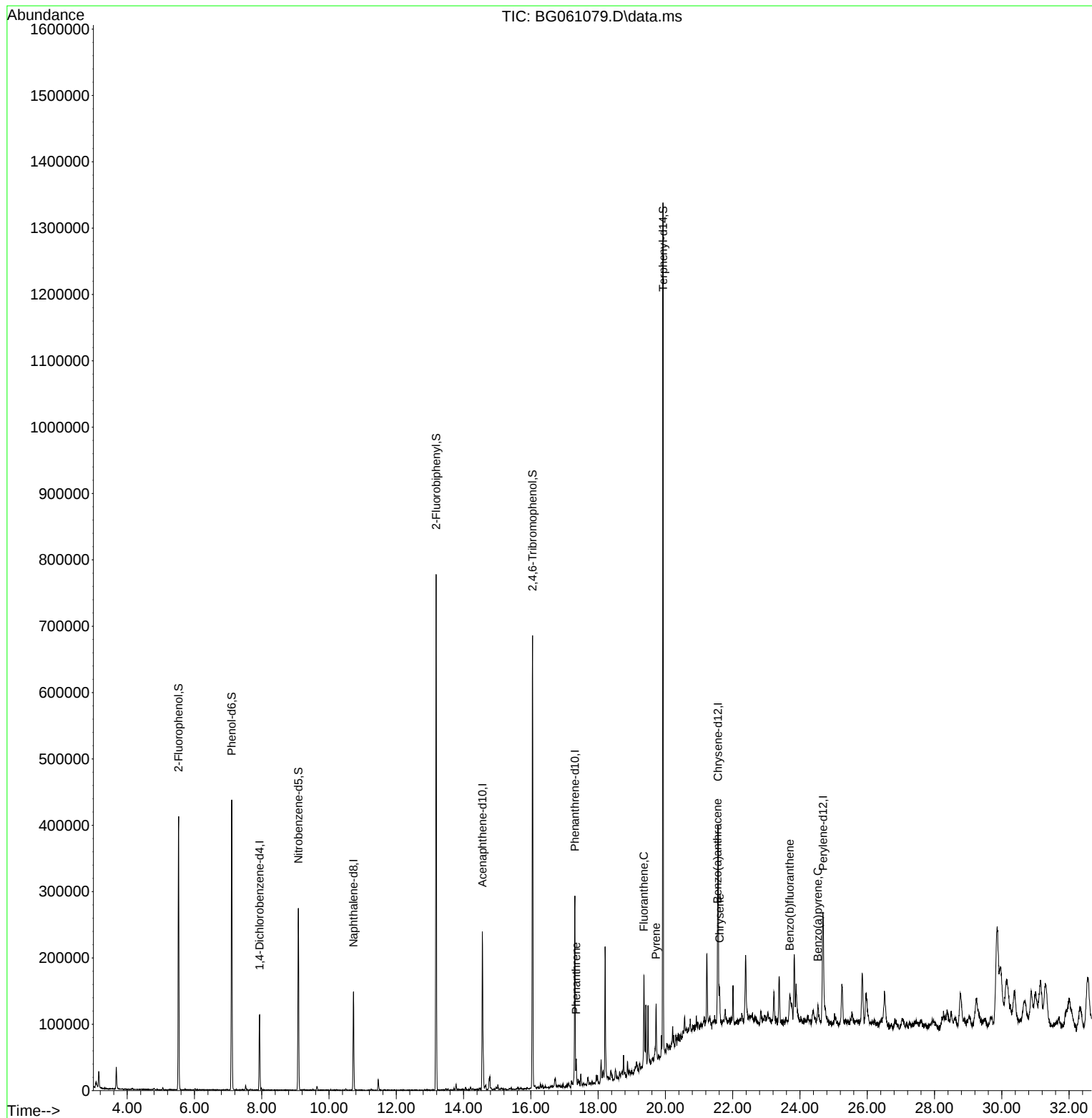
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061079.D
Acq On : 1 May 2024 16:47
Operator : MA/JU
Sample : P2330-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

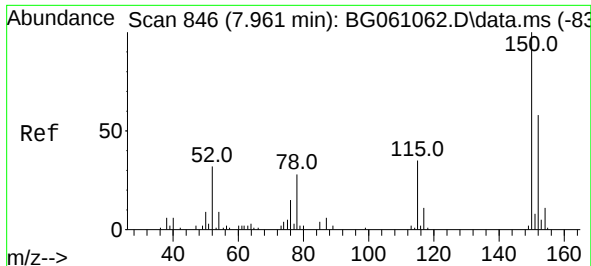
Instrument :
BNA_G
ClientSampleId :
H-1(0.5-1.5)

Quant Time: May 01 17:54:13 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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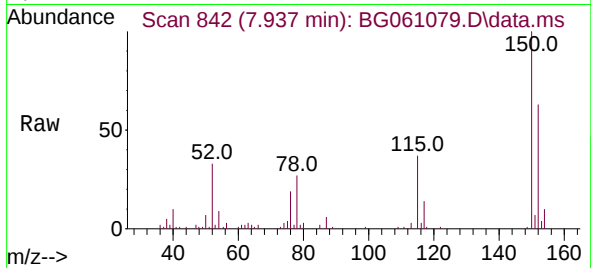
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.937 min Scan# 846
Delta R.T. -0.024 min
Lab File: BG061079.D
Acq: 1 May 2024 16:47

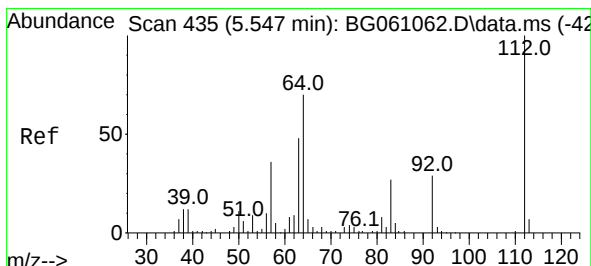
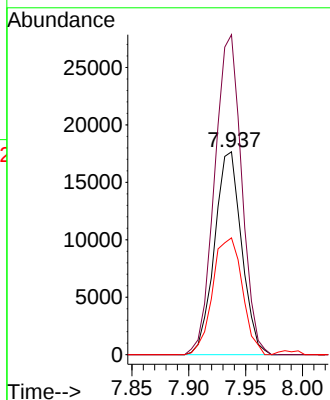
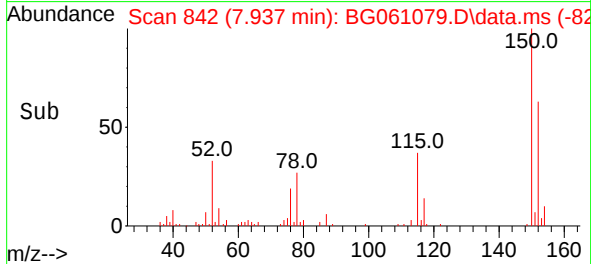
Instrument :
BNA_G
ClientSampleId :
H-1(0.5-1.5)



Tgt Ion:152 Resp: 2923
Ion Ratio Lower Upper
152 100
150 157.8 138.3 207.5
115 57.6 48.0 72.0

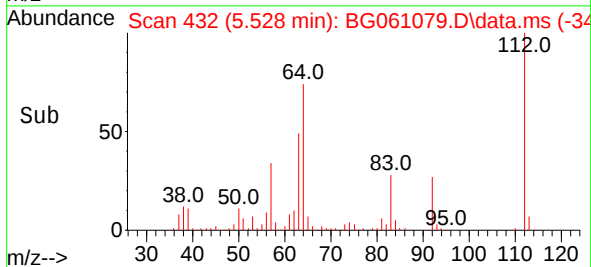
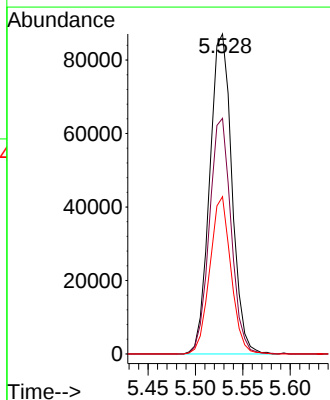
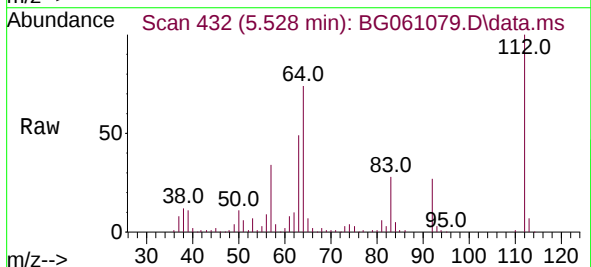
Manual Integrations
APPROVED

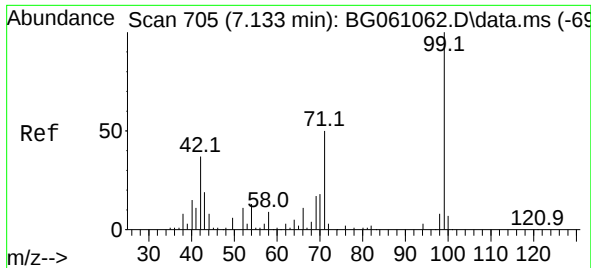
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#5
2-Fluorophenol
Concen: 98.580 ng
RT: 5.528 min Scan# 432
Delta R.T. -0.018 min
Lab File: BG061079.D
Acq: 1 May 2024 16:47

Tgt Ion:112 Resp: 141689
Ion Ratio Lower Upper
112 100
64 73.7 55.7 83.5
63 49.1 38.1 57.1





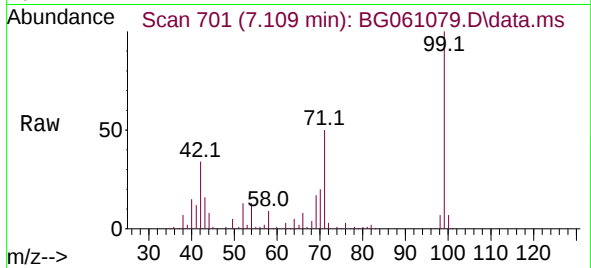
#7
Phenol-d6
Concen: 90.215 ng
RT: 7.109 min Scan# 705
Delta R.T. -0.024 min
Lab File: BG061079.D
Acq: 1 May 2024 16:47

Instrument :

BNA_G

ClientSampleId :

H-1(0.5-1.5)

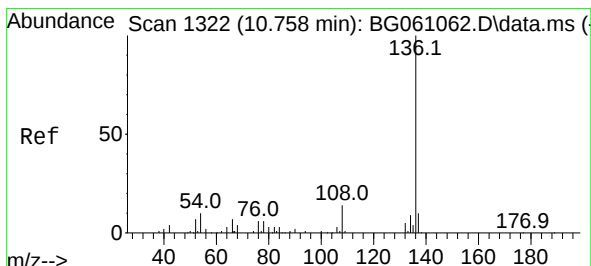
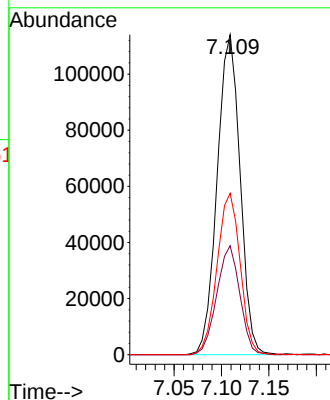
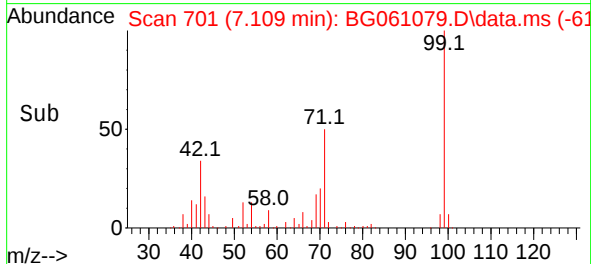


Tgt Ion: 99 Resp: 191818
Ion Ratio Lower Upper
99 100
42 34.0 29.2 43.8
71 50.4 39.7 59.5

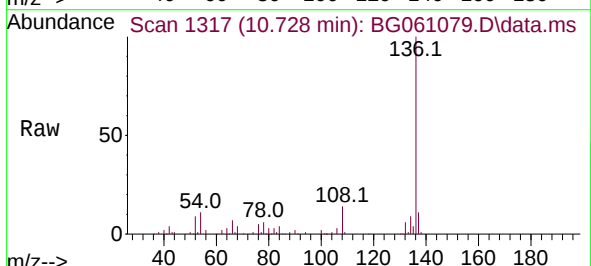
Manual Integrations

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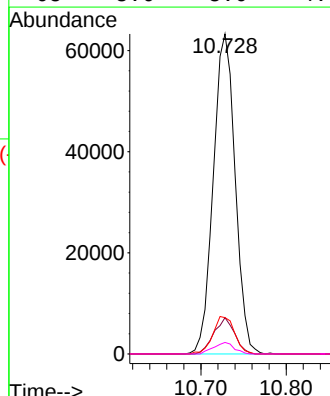
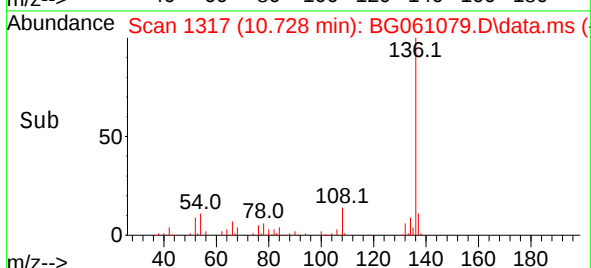
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024

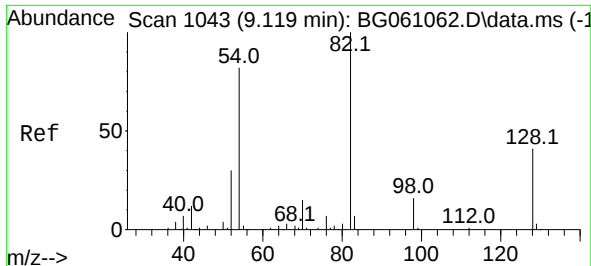


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.728 min Scan# 1317
Delta R.T. -0.030 min
Lab File: BG061079.D
Acq: 1 May 2024 16:47



Tgt Ion:136 Resp: 112631
Ion Ratio Lower Upper
136 100
137 11.3 7.8 11.6
54 11.4 8.1 12.1
68 3.6 3.0 4.4





#23

Nitrobenzene-d5

Concen: 58.932 ng

RT: 9.089 min Scan# 1

Delta R.T. -0.030 min

Lab File: BG061079.D

Acq: 1 May 2024 16:47

Instrument :

BNA_G

ClientSampleId :

H-1(0.5-1.5)

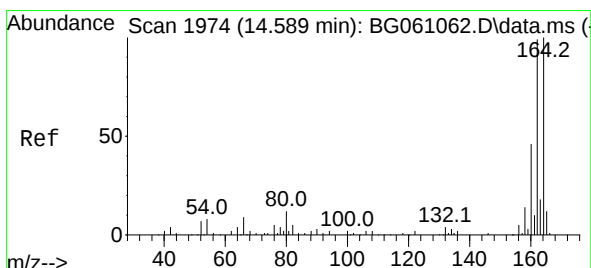
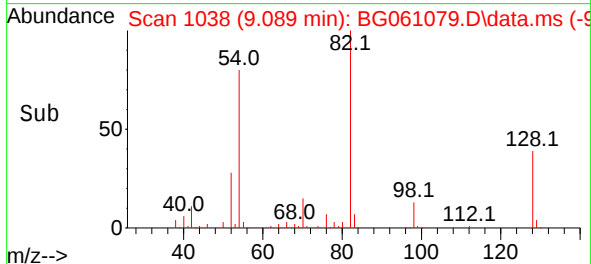
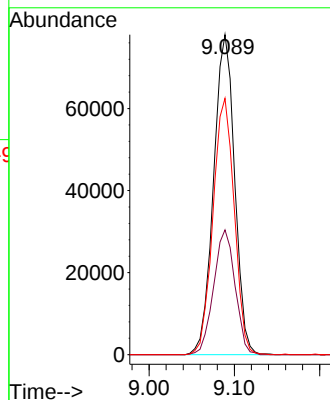
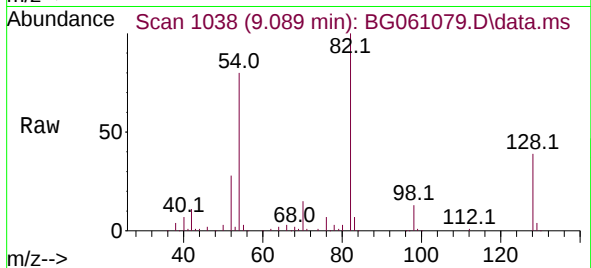
Tgt Ion: 82 Resp: 13389

Ion	Ratio	Lower	Upper
82	100		
128	39.0	32.7	49.1
54	80.1	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: 14.559 min Scan# 1969

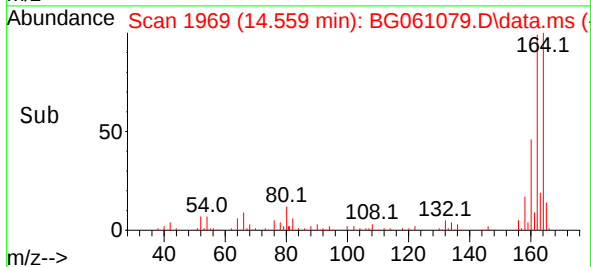
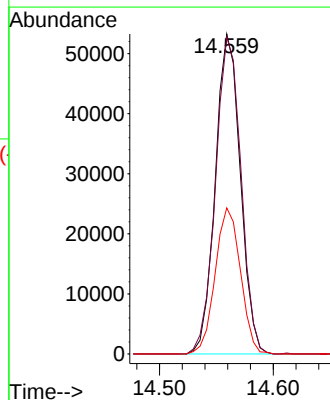
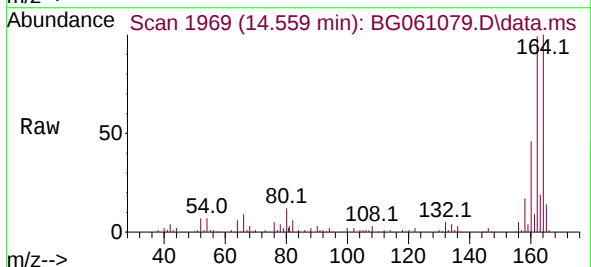
Delta R.T. -0.030 min

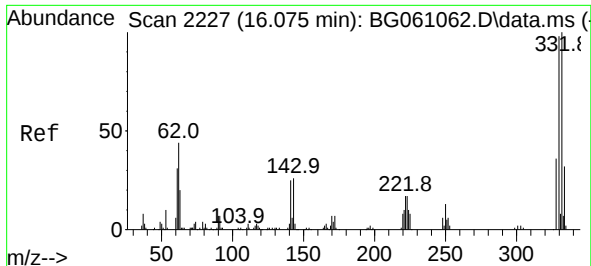
Lab File: BG061079.D

Acq: 1 May 2024 16:47

Tgt Ion:164 Resp: 81406

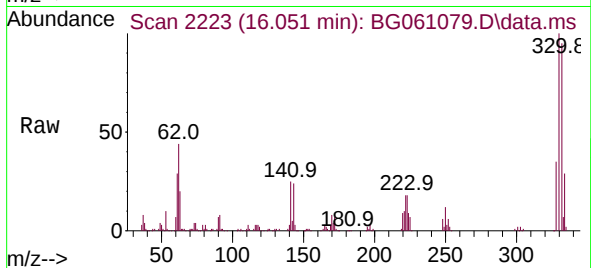
Ion	Ratio	Lower	Upper
164	100		
162	99.1	79.4	119.2
160	45.6	37.0	55.6





#42
2,4,6-Tribromophenol
Concen: 90.714 ng
RT: 16.051 min Scan# 21
Delta R.T. -0.024 min
Lab File: BG061079.D
Acq: 1 May 2024 16:47

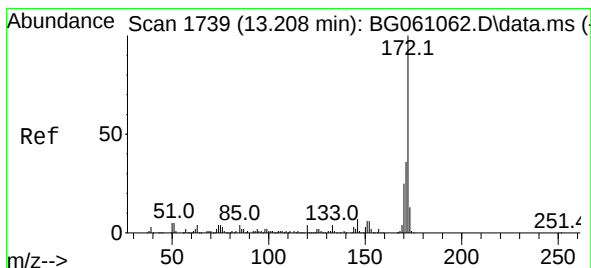
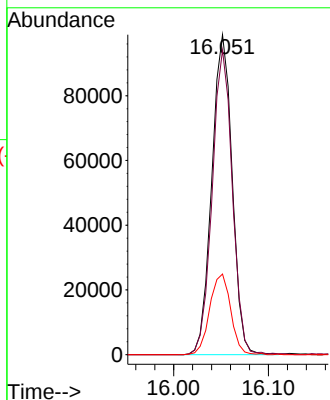
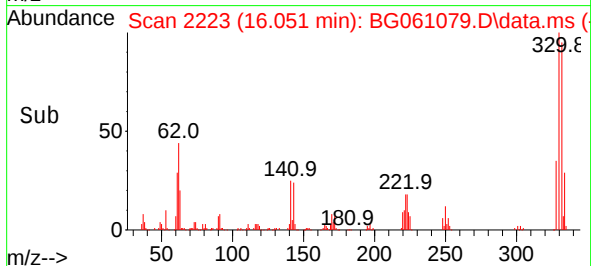
Instrument :
BNA_G
ClientSampleId :
H-1(0.5-1.5)



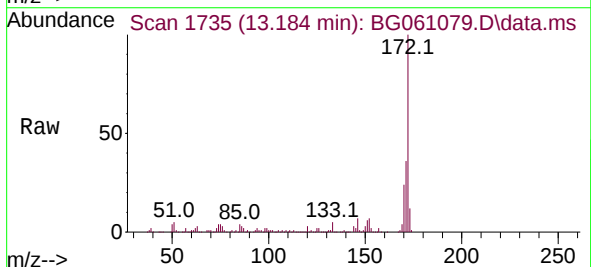
Tgt Ion:330 Resp: 147600
Ion Ratio Lower Upper
330 100
332 94.1 78.6 117.8
141 25.9 20.5 30.7

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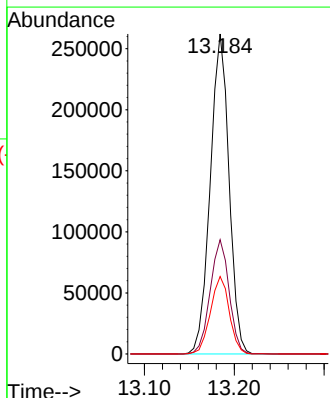
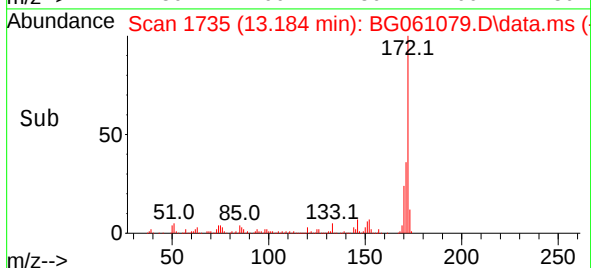
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024

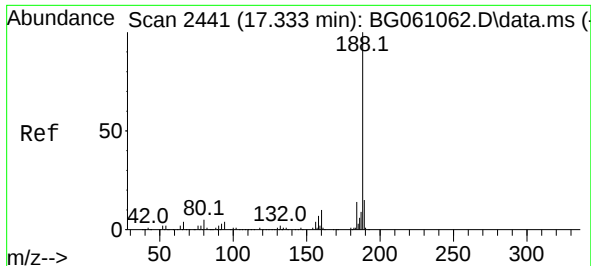


#45
2-Fluorobiphenyl
Concen: 69.103 ng
RT: 13.184 min Scan# 1735
Delta R.T. -0.024 min
Lab File: BG061079.D
Acq: 1 May 2024 16:47



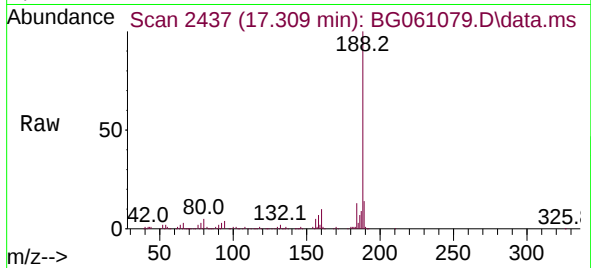
Tgt Ion:172 Resp: 380424
Ion Ratio Lower Upper
172 100
171 35.7 29.0 43.6
170 24.2 20.2 30.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.309 min Scan# 2441
Delta R.T. -0.024 min
Lab File: BG061079.D
Acq: 1 May 2024 16:47

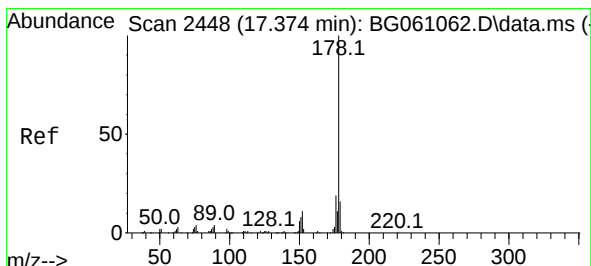
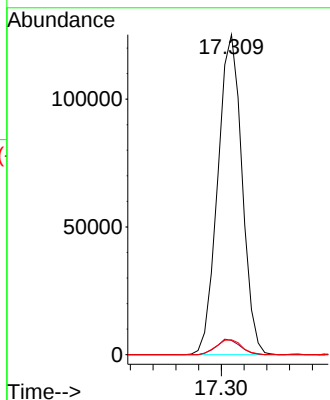
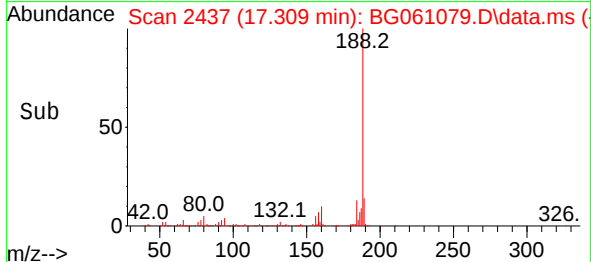
Instrument :
BNA_G
ClientSampleId :
H-1(0.5-1.5)



Tgt Ion:188 Resp: 185494
Ion Ratio Lower Upper
188 100
94 4.5 3.6 5.4
80 4.6 4.2 6.2

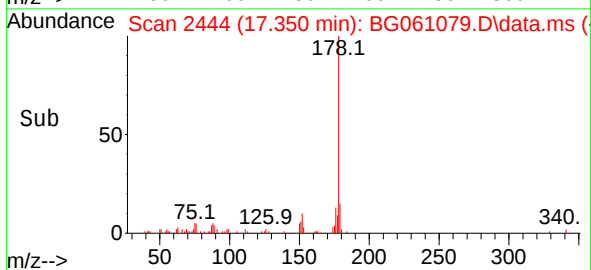
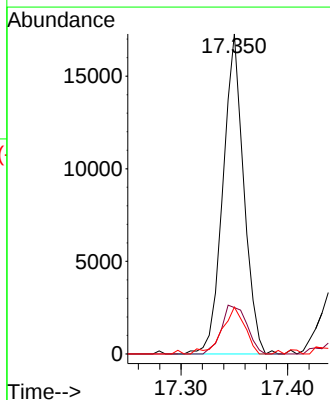
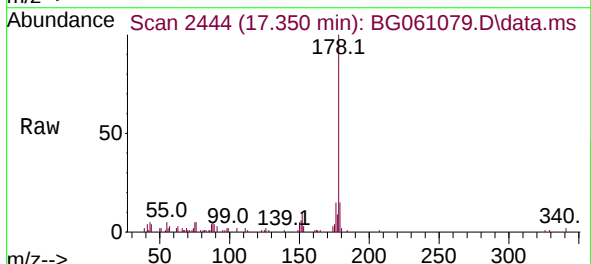
Manual Integrations
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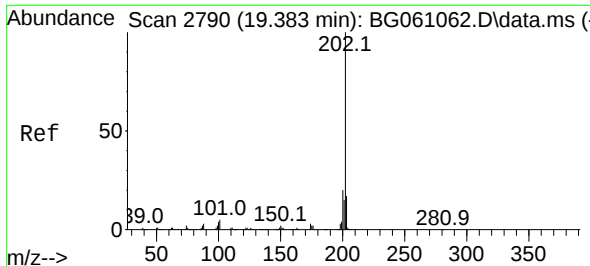
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#71
Phenanthrene
Concen: 2.761 ng
RT: 17.350 min Scan# 2444
Delta R.T. -0.024 min
Lab File: BG061079.D
Acq: 1 May 2024 16:47

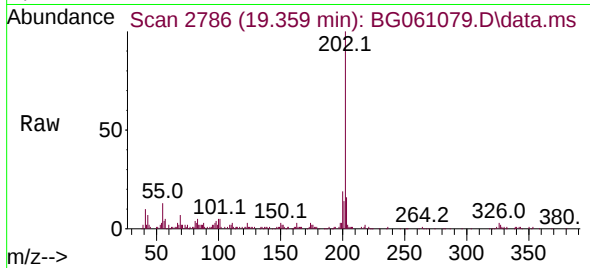
Tgt Ion:178 Resp: 23414
Ion Ratio Lower Upper
178 100
176 14.5 15.5 23.3#
179 14.7 12.6 19.0





#75
Fluoranthene
Concen: 5.183 ng
RT: 19.359 min Scan# 21
Delta R.T. -0.024 min
Lab File: BG061079.D
Acq: 1 May 2024 16:47

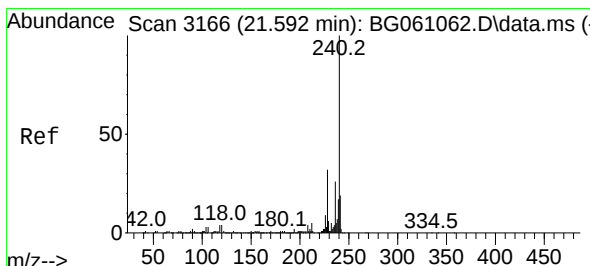
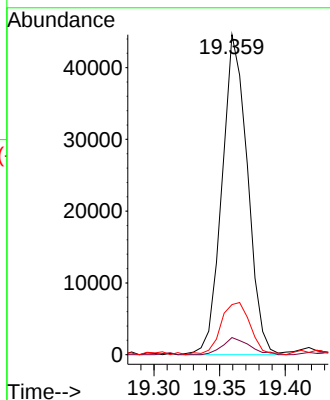
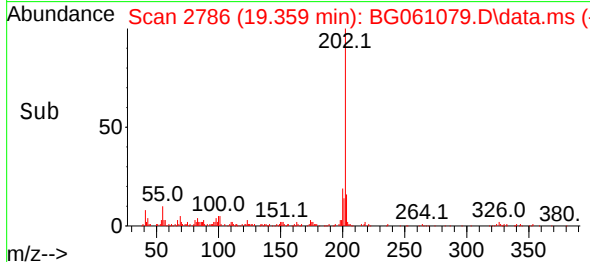
Instrument :
BNA_G
ClientSampleId :
H-1(0.5-1.5)



Tgt Ion:202 Resp: 6022
Ion Ratio Lower Upper
202 100
101 5.4 0.0 24.7
203 15.7 0.0 37.1

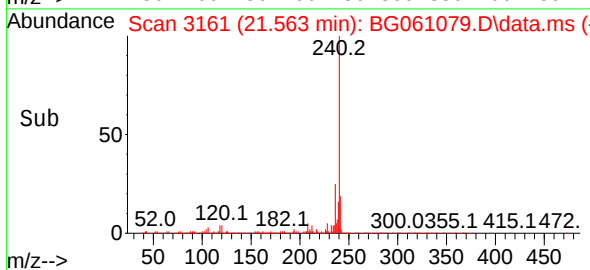
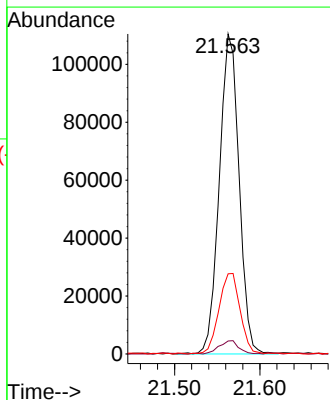
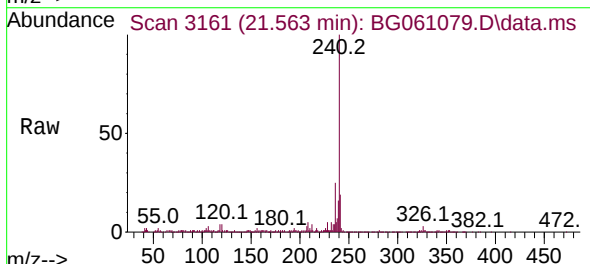
Manual Integrations
APPROVED

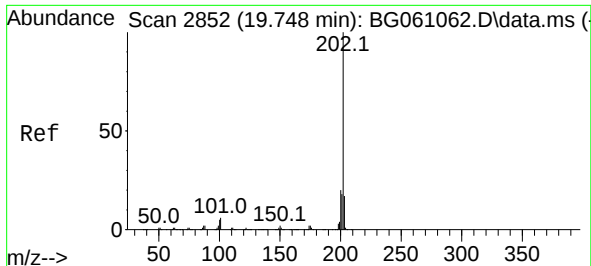
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.563 min Scan# 3161
Delta R.T. -0.030 min
Lab File: BG061079.D
Acq: 1 May 2024 16:47

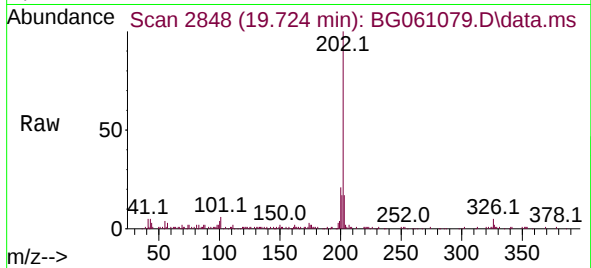
Tgt Ion:240 Resp: 177985
Ion Ratio Lower Upper
240 100
120 4.0 3.2 4.8
236 25.1 21.0 31.6





#78
Pyrene
Concen: 5.183 ng
RT: 19.724 min Scan# 2848
Delta R.T. -0.024 min
Lab File: BG061079.D
Acq: 1 May 2024 16:47

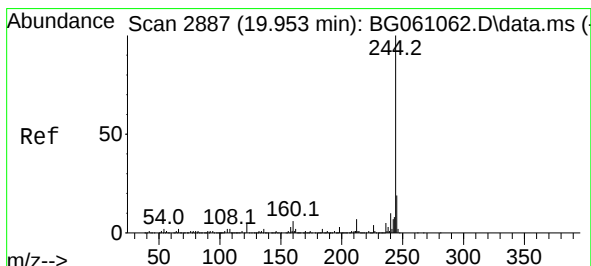
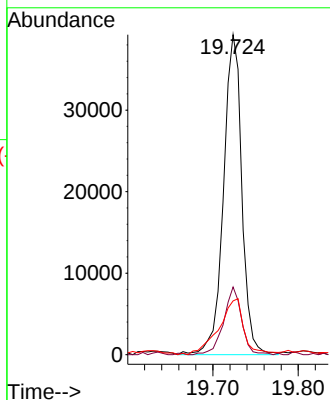
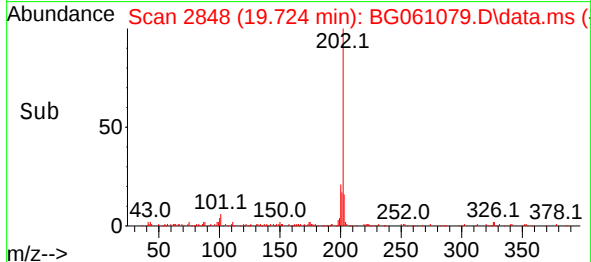
Instrument :
BNA_G
ClientSampleId :
H-1(0.5-1.5)



Tgt Ion:202 Resp: 58654
Ion Ratio Lower Upper
202 100
200 21.2 16.2 24.4
203 16.8 13.3 19.9

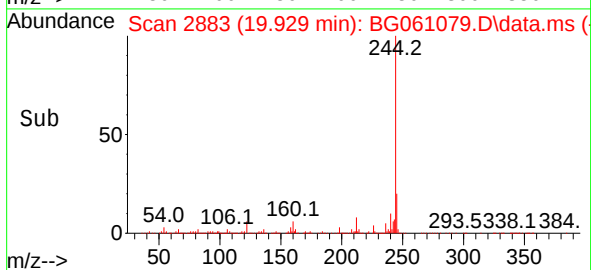
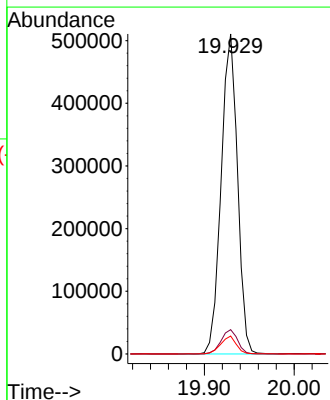
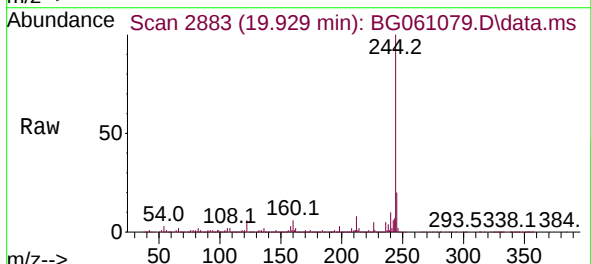
Manual Integrations
APPROVED

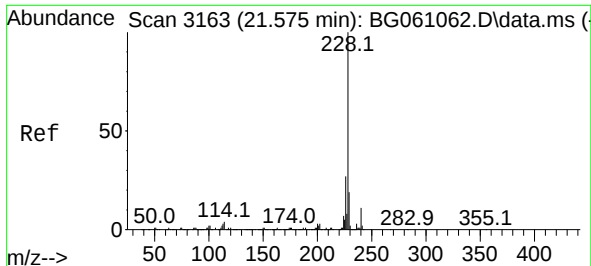
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#79
Terphenyl-d14
Concen: 60.186 ng
RT: 19.929 min Scan# 2883
Delta R.T. -0.024 min
Lab File: BG061079.D
Acq: 1 May 2024 16:47

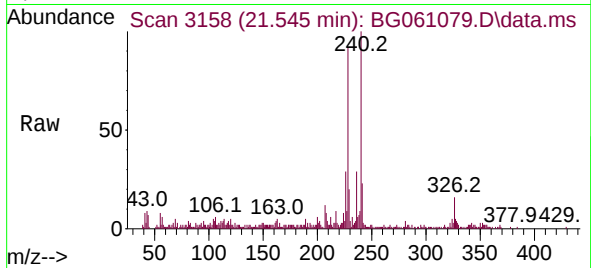
Tgt Ion:244 Resp: 644097
Ion Ratio Lower Upper
244 100
212 7.6 5.7 8.5
122 5.6 4.2 6.2





#81
Benzo(a)anthracene
Concen: 3.066 ng
RT: 21.545 min Scan# 3163
Delta R.T. -0.030 min
Lab File: BG061079.D
Acq: 1 May 2024 16:47

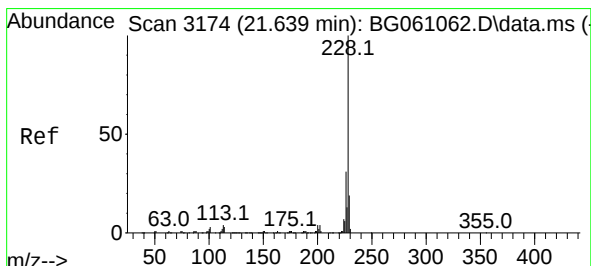
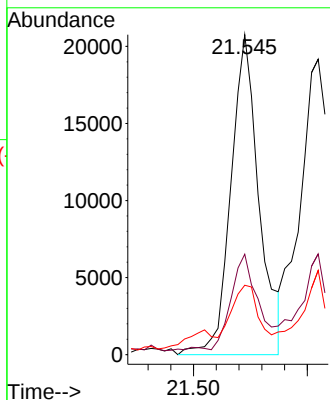
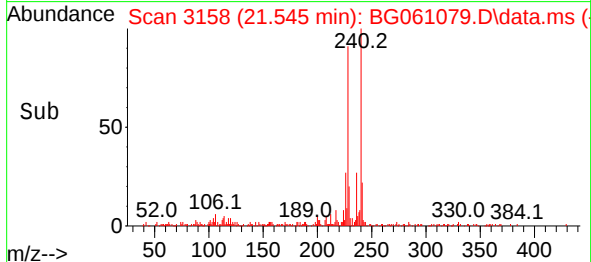
Instrument :
BNA_G
ClientSampleId :
H-1(0.5-1.5)



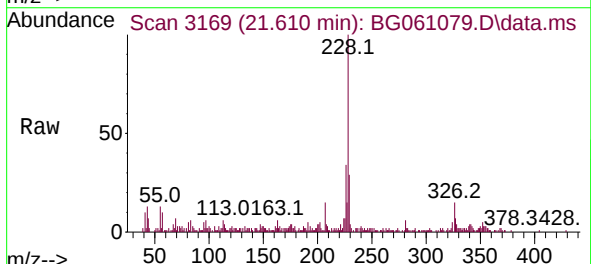
Tgt Ion:228 Resp: 35708
Ion Ratio Lower Upper
228 100
226 31.4 21.6 32.4
229 21.7 15.0 22.4

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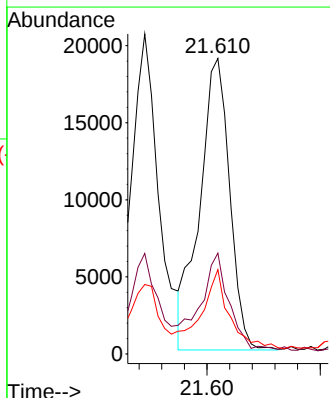
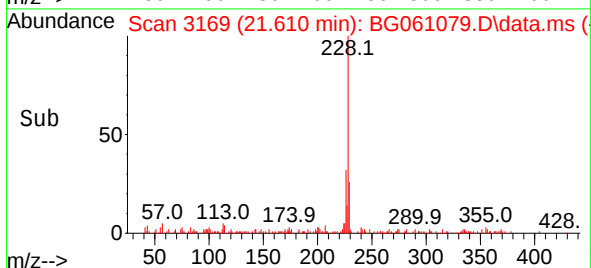
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024

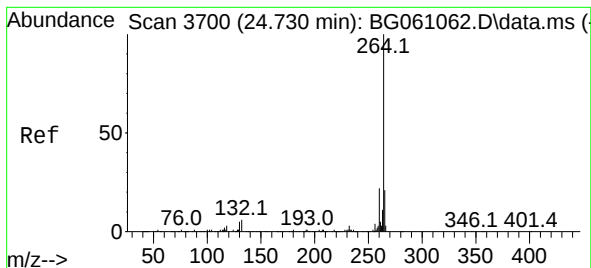


#83
Chrysene
Concen: 3.205 ng m
RT: 21.610 min Scan# 3169
Delta R.T. -0.030 min
Lab File: BG061079.D
Acq: 1 May 2024 16:47



Tgt Ion:228 Resp: 34974
Ion Ratio Lower Upper
228 100
226 34.1 24.4 36.6
229 28.5 14.8 22.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.688 min Scan# 3

Delta R.T. -0.042 min

Lab File: BG061079.D

Acq: 1 May 2024 16:47

Instrument :

BNA_G

ClientSampleId :

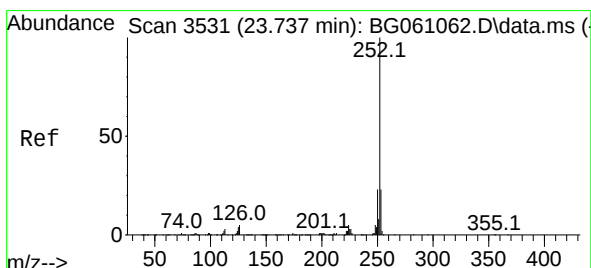
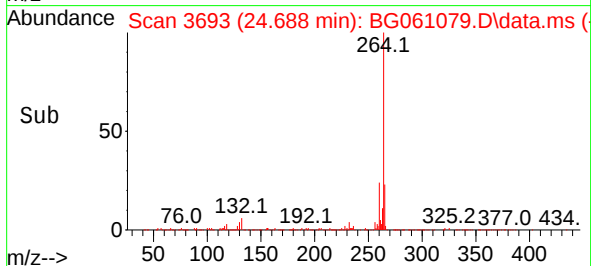
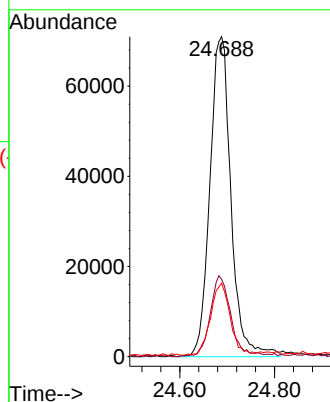
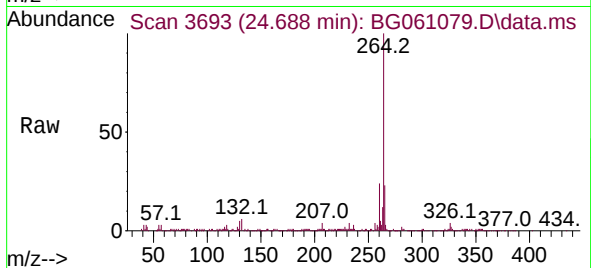
H-1(0.5-1.5)

Tgt Ion:264	Resp:	219000
Ion Ratio	Lower	Upper
264	100	
260	24.2	17.7 26.5
265	22.9	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: 4.284 ng

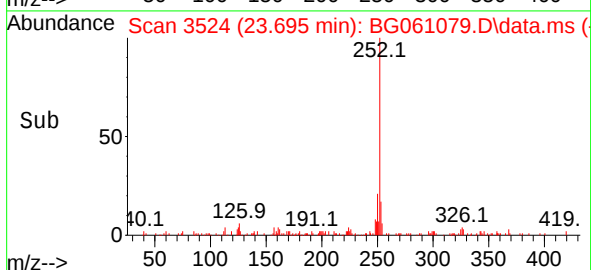
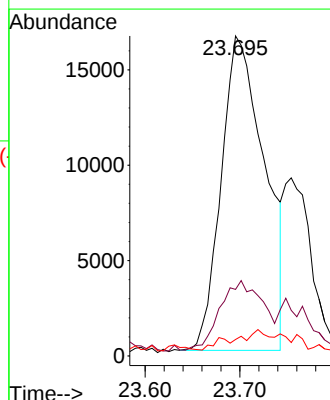
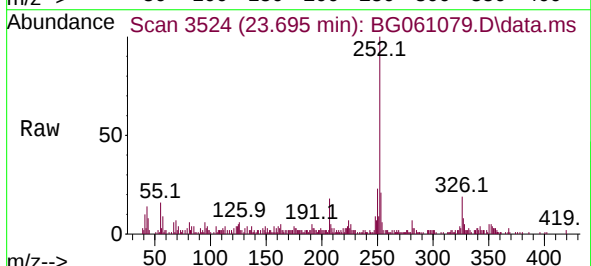
RT: 23.695 min Scan# 3524

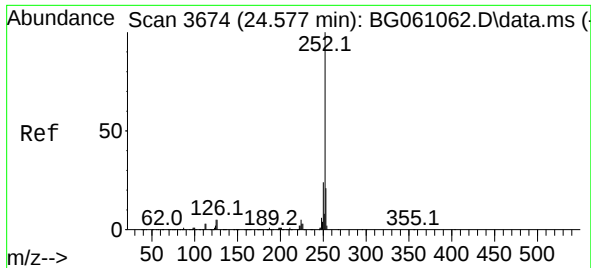
Delta R.T. -0.042 min

Lab File: BG061079.D

Acq: 1 May 2024 16:47

Tgt Ion:252	Resp:	52423
Ion Ratio	Lower	Upper
252	100	
253	20.8	18.2 27.2
125	5.1	3.4 5.0#





#90

Benzo(a)pyrene

Concen: 3.259 ng

RT: 24.530 min Scan# 30

Delta R.T. -0.047 min

Lab File: BG061079.D

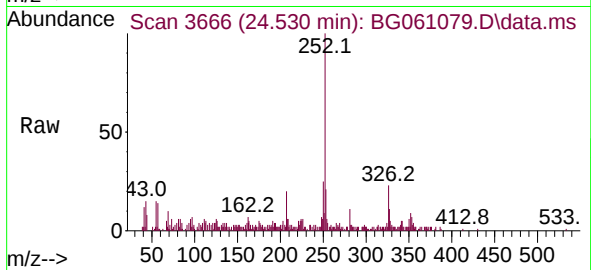
Acq: 1 May 2024 16:47

Instrument :

BNA_G

ClientSampleId :

H-1(0.5-1.5)



Tgt Ion:	252	Resp:	34750
Ion Ratio	Lower	Upper	
252	100		
253	20.5	16.9	25.3
125	5.7	3.8	5.8

Manual Integrations

APPROVED

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

