

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050324\
 Data File : BG061114.D
 Acq On : 3 May 2024 20:17
 Operator : MA/JU
 Sample : P2357-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HD-01-05022024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/04/2024
 Supervised By :mohammad ahmed 05/06/2024

Quant Time: May 03 23:02:13 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	29304	20.000	ng	-0.02
21) Naphthalene-d8	10.728	136	112437	20.000	ng	-0.03
39) Acenaphthene-d10	14.565	164	80354	20.000	ng	-0.02
64) Phenanthrene-d10	17.309	188	166160	20.000	ng	-0.02
76) Chrysene-d12	21.568	240	173285	20.000	ng	-0.02
86) Perylene-d12	24.706	264	156457m	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	18419	12.783	ng	-0.02
7) Phenol-d6	7.109	99	24934	11.698	ng	-0.02
23) Nitrobenzene-d5	9.083	82	19037	8.393	ng	-0.04
42) 2,4,6-Tribromophenol	16.051	330	17354	10.805	ng	-0.02
45) 2-Fluorobiphenyl	13.184	172	49448	9.100	ng	-0.02
79) Terphenyl-d14	19.929	244	87632	8.411	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	17.356	178	97262	12.802	ng	98
72) Anthracene	17.444	178	30618	4.039	ng	97
75) Fluoranthene	19.365	202	161816	15.547	ng	99
78) Pyrene	19.729	202	136569	12.396	ng	98
81) Benzo(a)anthracene	21.556	228	75012	6.615	ng	97
83) Chrysene	21.615	228	64784m	6.098	ng	
88) Benzo(b)fluoranthene	23.713	252	55378	6.334	ng	# 94
89) Benzo(k)fluoranthene	23.772	252	22800m	2.711	ng	
90) Benzo(a)pyrene	24.559	252	39745	5.218	ng	# 92

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

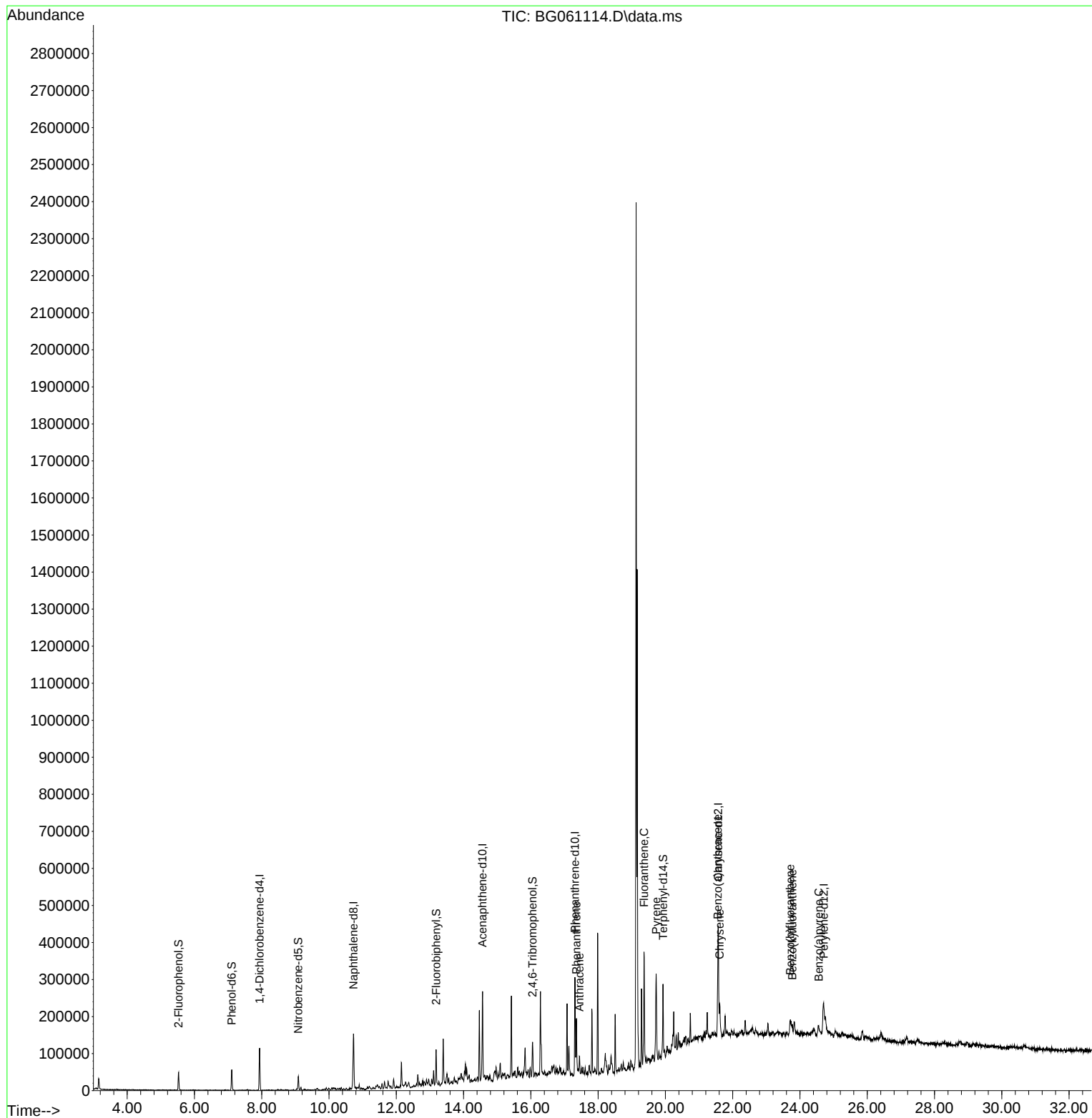
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050324\
Data File : BG061114.D
Acq On : 3 May 2024 20:17
Operator : MA/JU
Sample : P2357-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

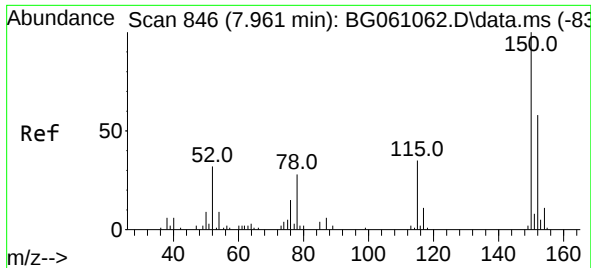
Instrument :
BNA_G
ClientSampleId :
HD-01-05022024

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Reviewed By :Yogesh Patel 05/04/2024
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Quant Time: May 03 23:02:13 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





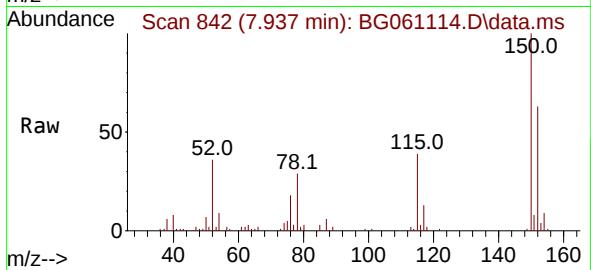
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.937 min Scan# 846
Delta R.T. -0.024 min
Lab File: BG061114.D
Acq: 3 May 2024 20:17

Instrument :

BNA_G

ClientSampleId :

HD-01-05022024



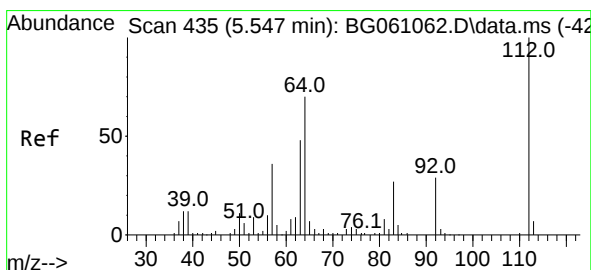
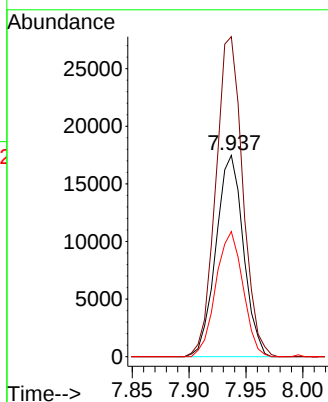
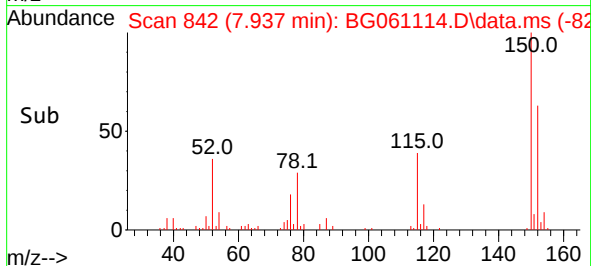
Tgt Ion:152 Resp: 29304
Ion Ratio Lower Upper
152 100
150 159.0 138.3 207.5
115 62.1 48.0 72.0

Manual Integrations

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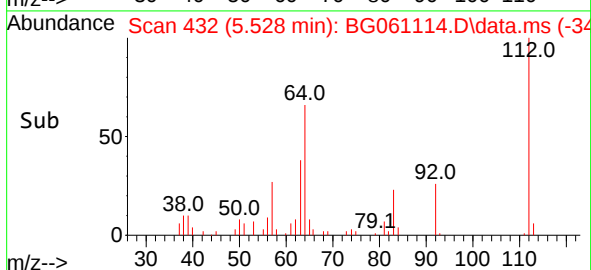
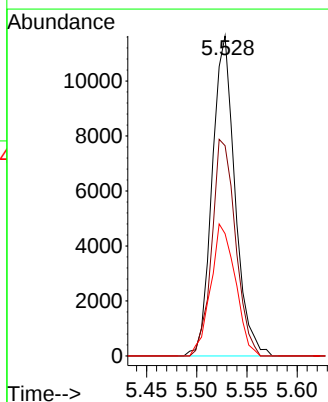
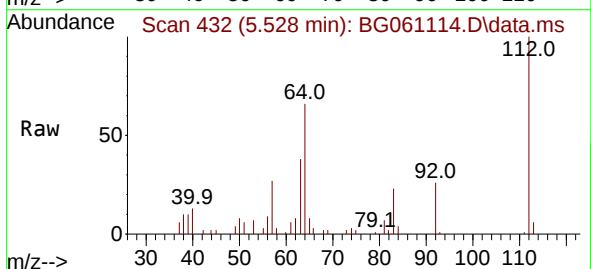
Reviewed By :Yogesh Patel 05/04/2024

Supervised By :mohammad ahmed 05/06/2024



#5
2-Fluorophenol
Concen: 12.783 ng
RT: 5.528 min Scan# 432
Delta R.T. -0.018 min
Lab File: BG061114.D
Acq: 3 May 2024 20:17

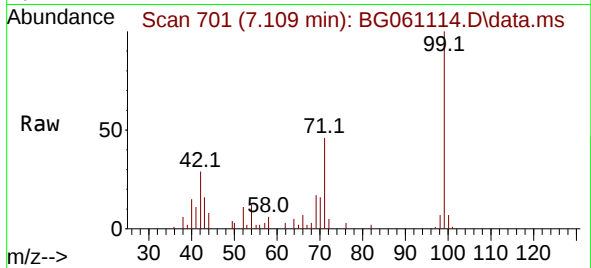
Tgt Ion:112 Resp: 18419
Ion Ratio Lower Upper
112 100
64 65.7 55.7 83.5
63 38.2 38.1 57.1





#7
Phenol-d6
Concen: 11.698 ng
RT: 7.109 min Scan# 705
Delta R.T. -0.024 min
Lab File: BG061114.D
Acq: 3 May 2024 20:17

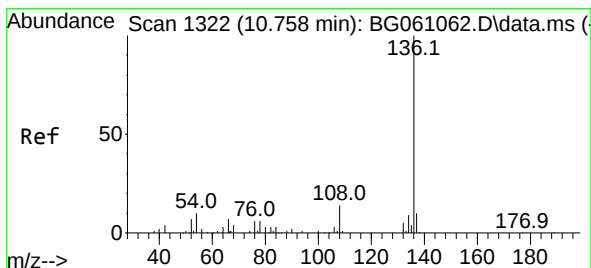
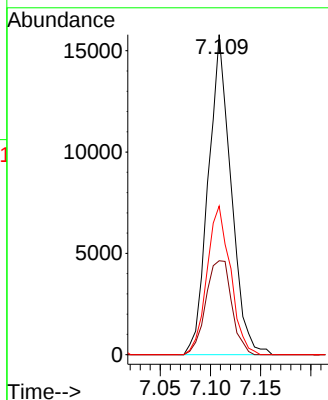
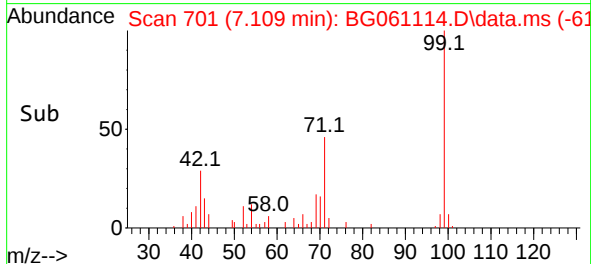
Instrument :
BNA_G
ClientSampleId :
HD-01-05022024



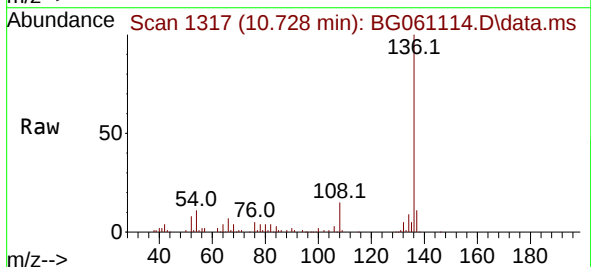
Tgt Ion: 99 Resp: 24934
Ion Ratio Lower Upper
99 100
42 29.3 29.2 43.8
71 46.4 39.7 59.5

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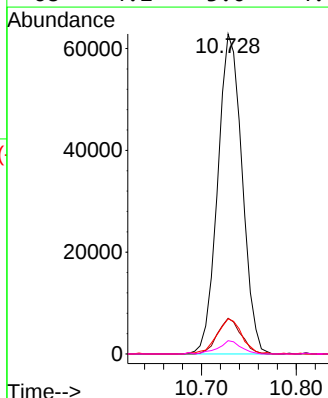
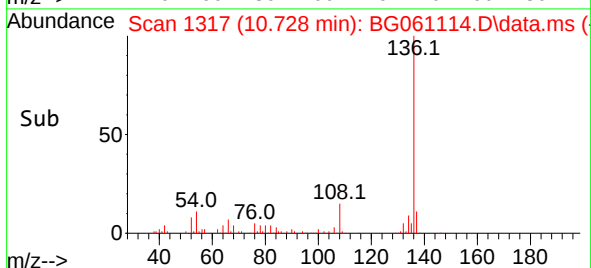
Reviewed By :Yogesh Patel 05/04/2024
Supervised By :mohammad ahmed 05/06/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.728 min Scan# 1317
Delta R.T. -0.030 min
Lab File: BG061114.D
Acq: 3 May 2024 20:17



Tgt Ion:136 Resp: 112437
Ion Ratio Lower Upper
136 100
137 11.2 7.8 11.6
54 11.0 8.1 12.1
68 4.2 3.0 4.4





#23

Nitrobenzene-d5

Concen: 8.393 ng

RT: 9.083 min Scan# 1043

Delta R.T. -0.036 min

Lab File: BG061114.D

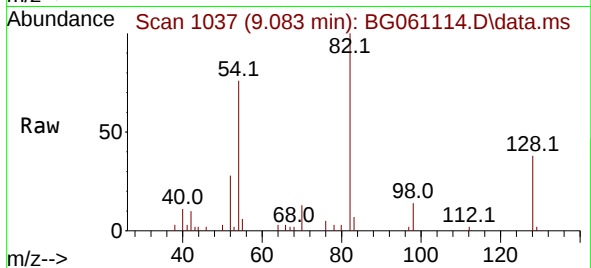
Acq: 3 May 2024 20:17

Instrument :

BNA_G

ClientSampleId :

HD-01-05022024



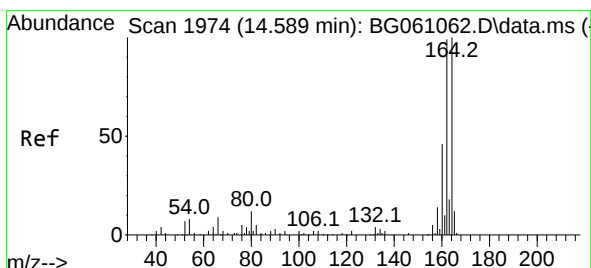
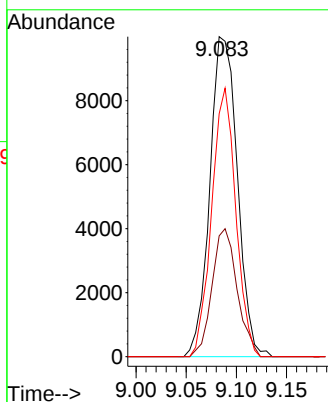
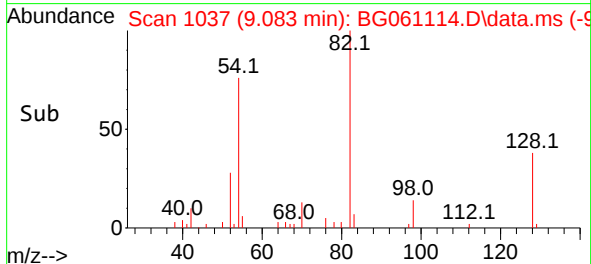
Tgt Ion: 82	Resp: 1903
Ion Ratio	Lower Upper
82	100
128	37.7 32.7 49.1
54	75.9 65.6 98.4

Manual Integrations

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Reviewed By :Yogesh Patel 05/04/2024

Supervised By :mohammad ahmed 05/06/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

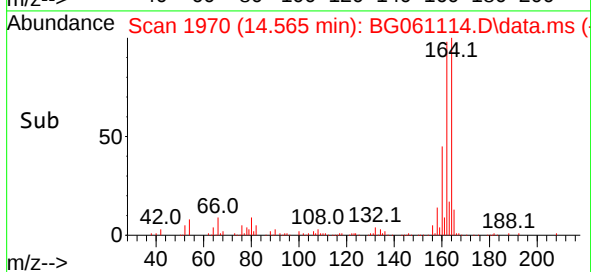
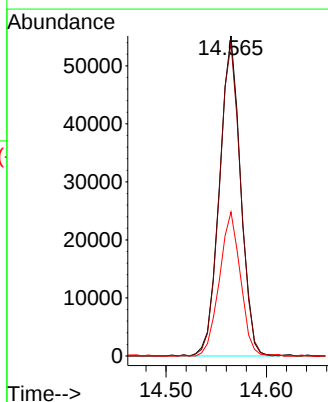
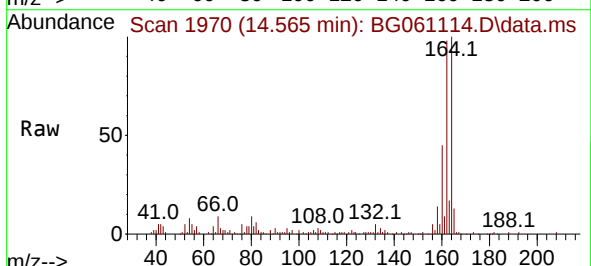
RT: 14.565 min Scan# 1970

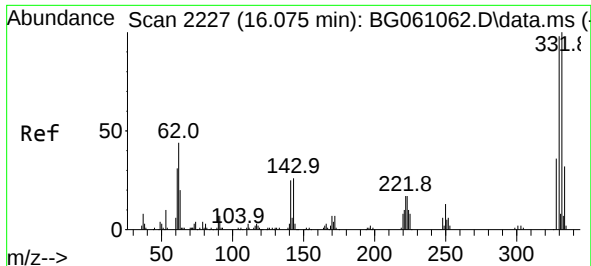
Delta R.T. -0.024 min

Lab File: BG061114.D

Acq: 3 May 2024 20:17

Tgt Ion:164	Resp: 80354
Ion Ratio	Lower Upper
164	100
162	97.7 79.4 119.2
160	45.0 37.0 55.6





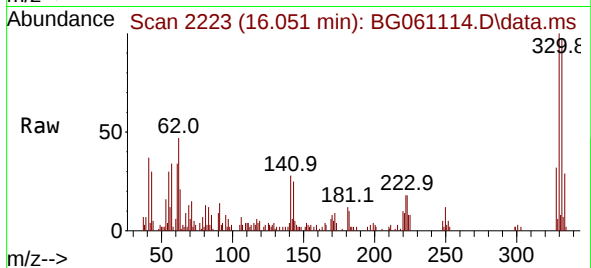
#42
2,4,6-Tribromophenol
Concen: 10.805 ng
RT: 16.051 min Scan# 21
Delta R.T. -0.024 min
Lab File: BG061114.D
Acq: 3 May 2024 20:17

Instrument :

BNA_G

ClientSampleId :

HD-01-05022024



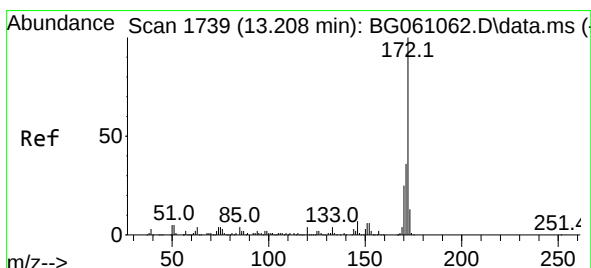
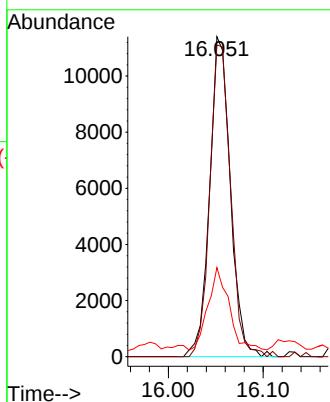
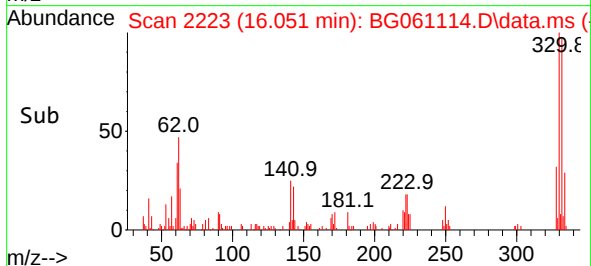
Tgt Ion:330 Resp: 17354
Ion Ratio Lower Upper
330 100
332 97.8 78.6 117.8
141 26.1 20.5 30.7

Manual Integrations

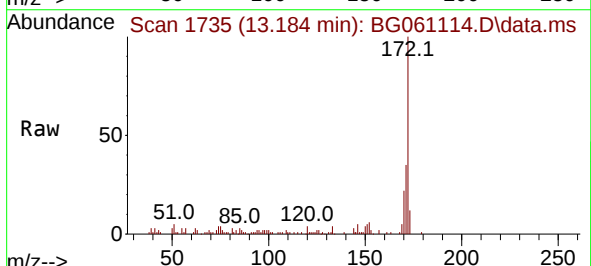
APPROVED

Reviewed By :Yogesh Patel 05/04/2024

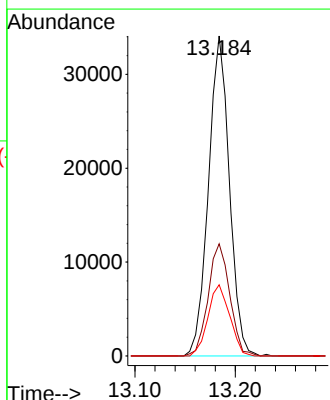
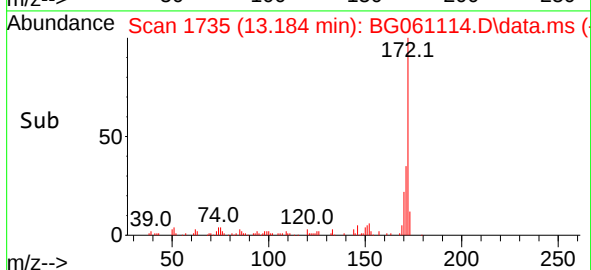
Supervised By :mohammad ahmed 05/06/2024

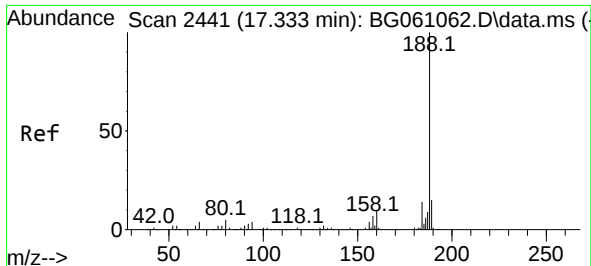


#45
2-Fluorobiphenyl
Concen: 9.100 ng
RT: 13.184 min Scan# 1735
Delta R.T. -0.024 min
Lab File: BG061114.D
Acq: 3 May 2024 20:17



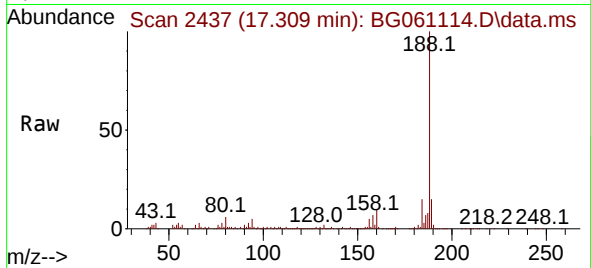
Tgt Ion:172 Resp: 49448
Ion Ratio Lower Upper
172 100
171 35.0 29.0 43.6
170 22.2 20.2 30.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.309 min Scan# 2437
Delta R.T. -0.024 min
Lab File: BG061114.D
Acq: 3 May 2024 20:17

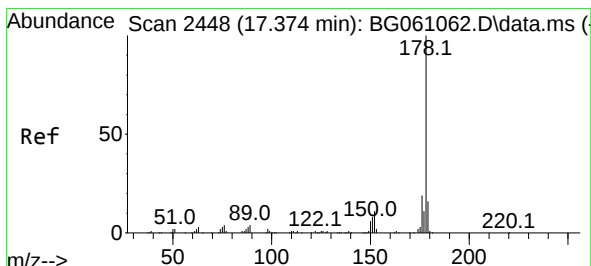
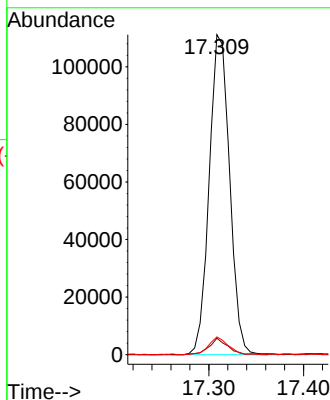
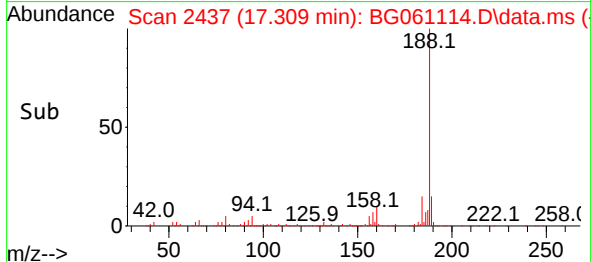
Instrument :
BNA_G
ClientSampleId :
HD-01-05022024



Tgt Ion:188 Resp: 166160
Ion Ratio Lower Upper
188 100
94 5.1 3.6 5.4
80 5.5 4.2 6.2

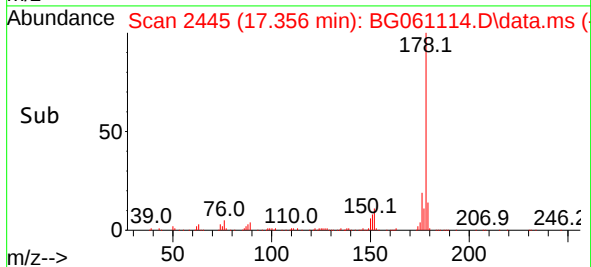
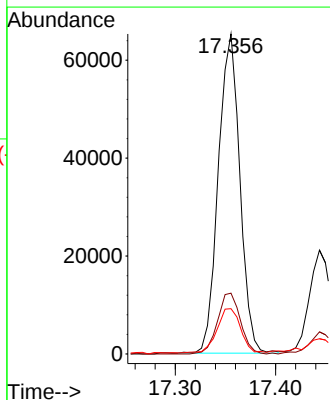
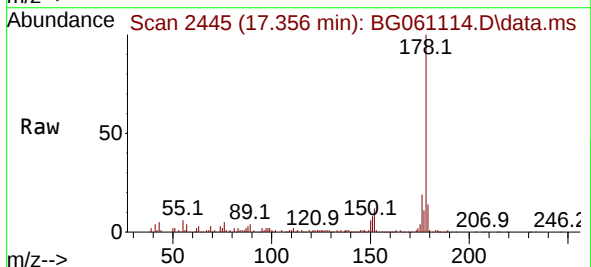
Manual Integrations
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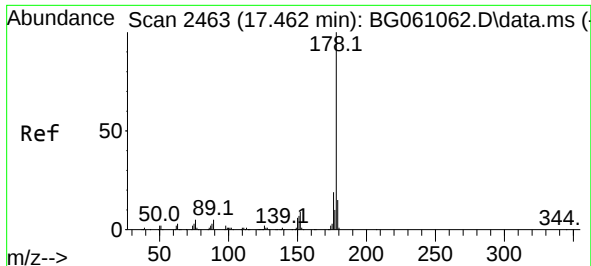
Reviewed By :Yogesh Patel 05/04/2024
Supervised By :mohammad ahmed 05/06/2024



#71
Phenanthrene
Concen: 12.802 ng
RT: 17.356 min Scan# 2445
Delta R.T. -0.018 min
Lab File: BG061114.D
Acq: 3 May 2024 20:17

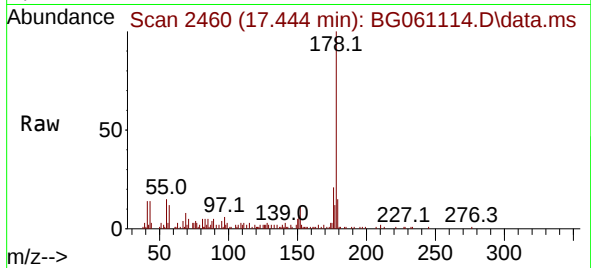
Tgt Ion:178 Resp: 97262
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 14.2 12.6 19.0





#72
 Anthracene
 Concen: 4.039 ng
 RT: 17.444 min Scan# 2460
 Delta R.T. -0.018 min
 Lab File: BG061114.D
 Acq: 3 May 2024 20:17

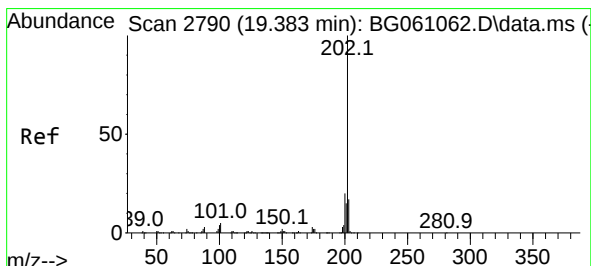
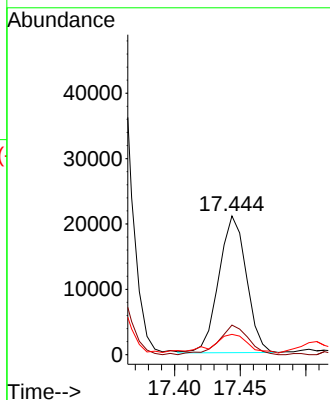
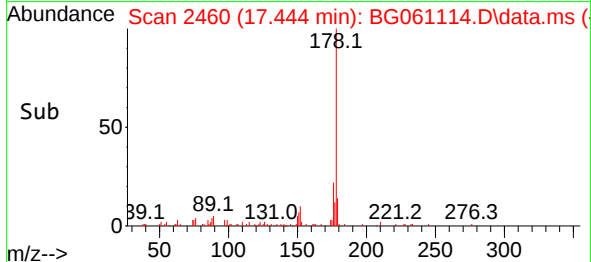
Instrument :
 BNA_G
 ClientSampleId :
 HD-01-05022024



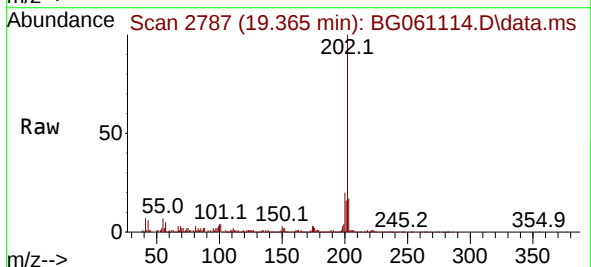
Tgt Ion:178 Resp: 30618
 Ion Ratio Lower Upper
 178 100
 176 21.3 15.0 22.6
 179 14.7 12.0 18.0

Manual Integrations
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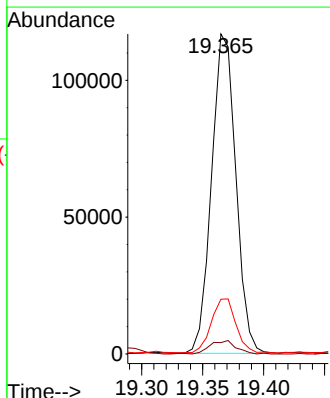
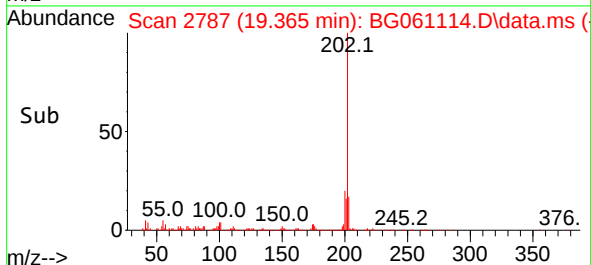
Reviewed By :Yogesh Patel 05/04/2024
 Supervised By :mohammad ahmed 05/06/2024

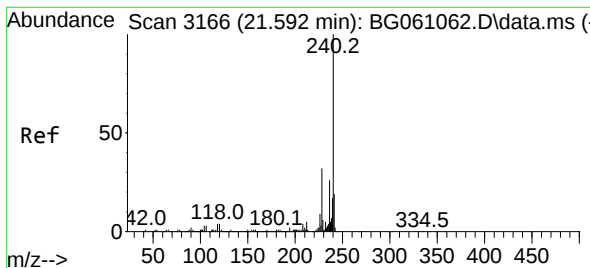


#75
 Fluoranthene
 Concen: 15.547 ng
 RT: 19.365 min Scan# 2787
 Delta R.T. -0.018 min
 Lab File: BG061114.D
 Acq: 3 May 2024 20:17



Tgt Ion:202 Resp: 161816
 Ion Ratio Lower Upper
 202 100
 101 3.5 0.0 24.7
 203 17.1 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.568 min Scan# 3162

Delta R.T. -0.024 min

Lab File: BG061114.D

Acq: 3 May 2024 20:17

Instrument :

BNA_G

ClientSampleId :

HD-01-05022024

Tgt Ion:240 Resp: 17328

Ion Ratio Lower Upper

240 100

120 4.8 3.2 4.8

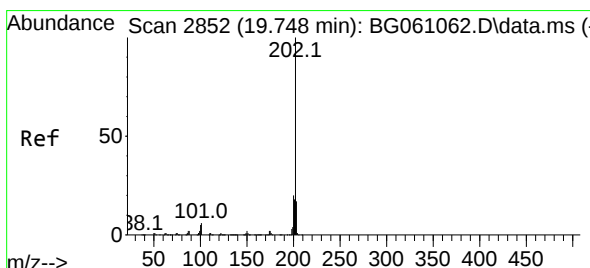
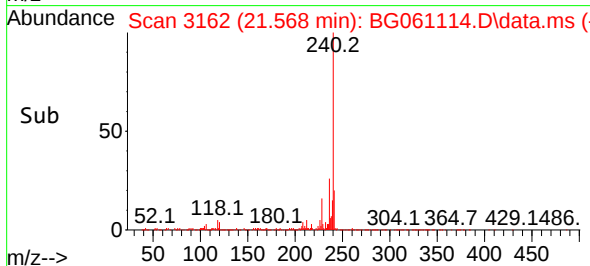
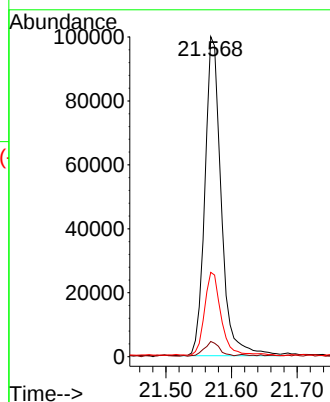
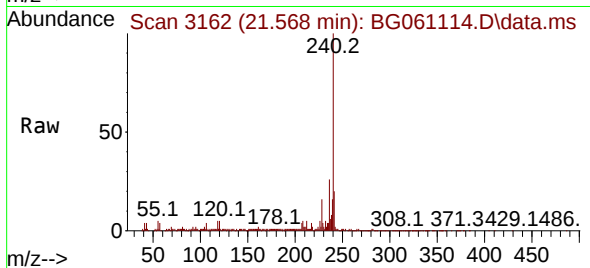
236 26.4 21.0 31.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/04/2024

Supervised By :mohammad ahmed 05/06/2024



#78

Pyrene

Concen: 12.396 ng

RT: 19.729 min Scan# 2849

Delta R.T. -0.018 min

Lab File: BG061114.D

Acq: 3 May 2024 20:17

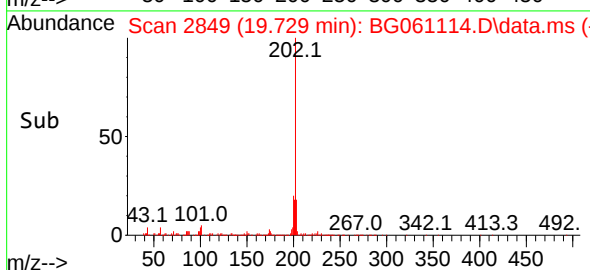
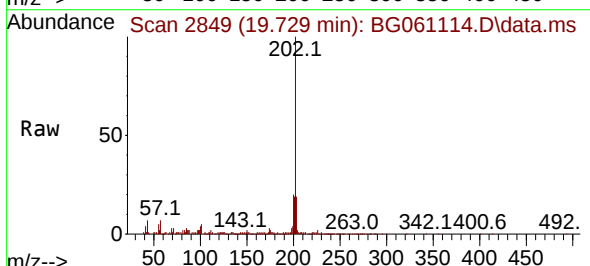
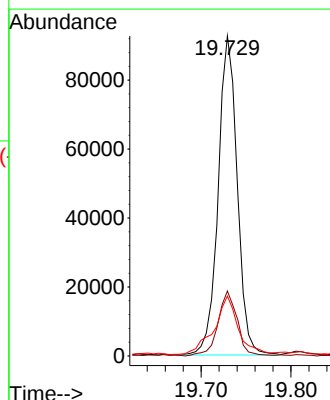
Tgt Ion:202 Resp: 136569

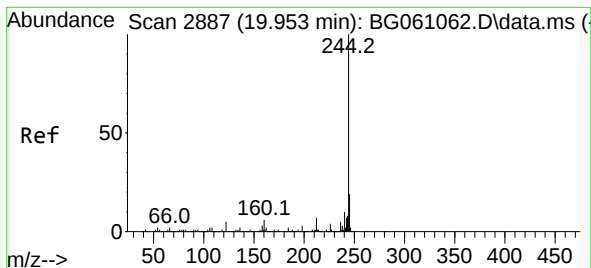
Ion Ratio Lower Upper

202 100

200 20.3 16.2 24.4

203 18.7 13.3 19.9





#79

Terphenyl-d14

Concen: 8.411 ng

RT: 19.929 min Scan# 21

Delta R.T. -0.024 min

Lab File: BG061114.D

Acq: 3 May 2024 20:17

Instrument :

BNA_G

ClientSampleId :

HD-01-05022024

Tgt Ion:244 Resp: 8763

Ion Ratio Lower Upper

244 100

212 7.7 5.7 8.5

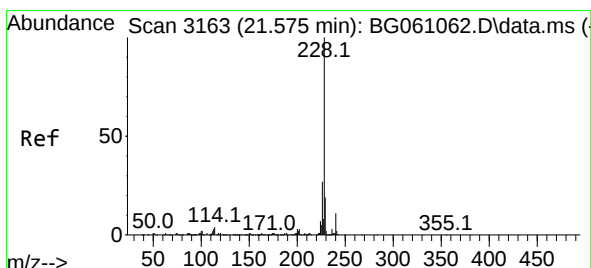
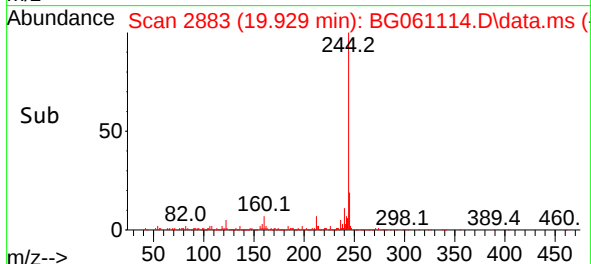
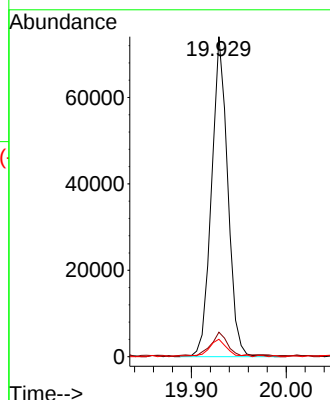
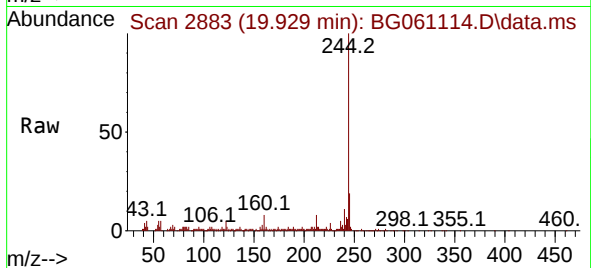
122 5.4 4.2 6.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/04/2024

Supervised By :mohammad ahmed 05/06/2024



#81

Benzo(a)anthracene

Concen: 6.615 ng

RT: 21.556 min Scan# 3160

Delta R.T. -0.018 min

Lab File: BG061114.D

Acq: 3 May 2024 20:17

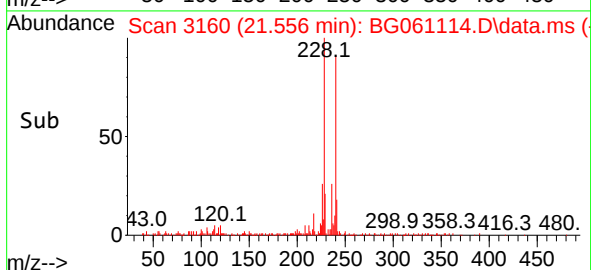
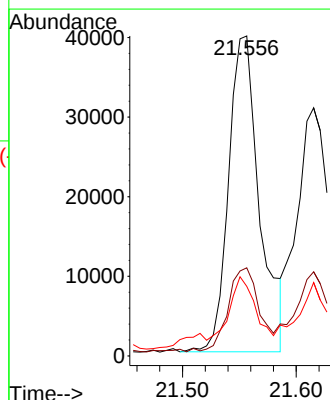
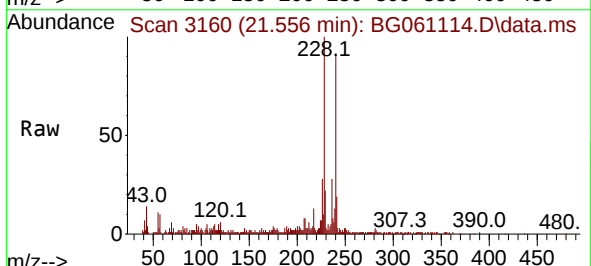
Tgt Ion:228 Resp: 75012

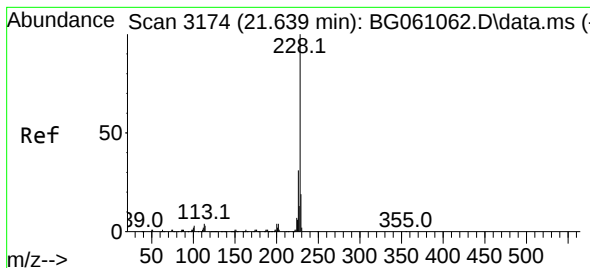
Ion Ratio Lower Upper

228 100

226 27.5 21.6 32.4

229 21.7 15.0 22.4





#83

Chrysene

Concen: 6.098 ng m

RT: 21.615 min Scan# 3170

Delta R.T. -0.024 min

Lab File: BG061114.D

Acq: 3 May 2024 20:17

Instrument :

BNA_G

ClientSampleId :

HD-01-05022024

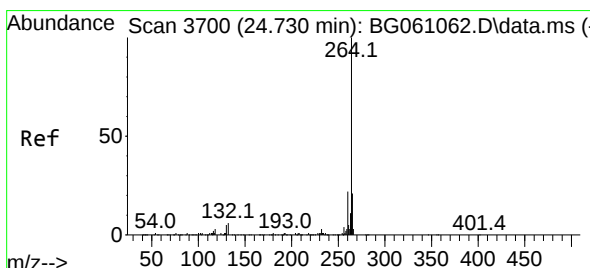
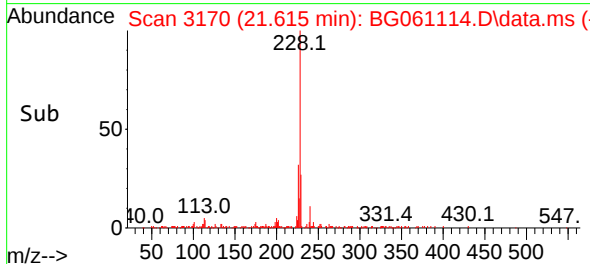
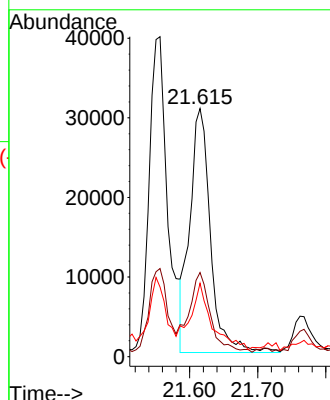
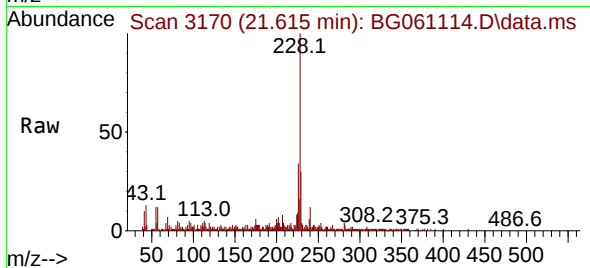
Tgt Ion:228	Resp: 64784
Ion Ratio	Lower Upper
228 100	
226 33.9	24.4 36.6
229 29.6	14.8 22.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/04/2024

Supervised By :mohammad ahmed 05/06/2024



#86

Perylene-d12

Concen: 20.000 ng m

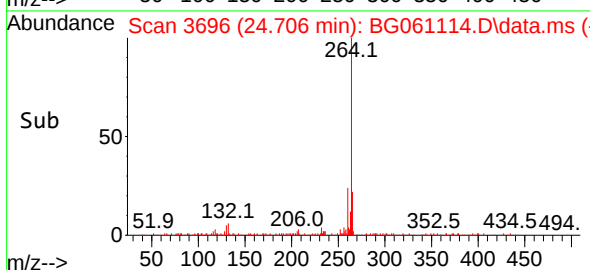
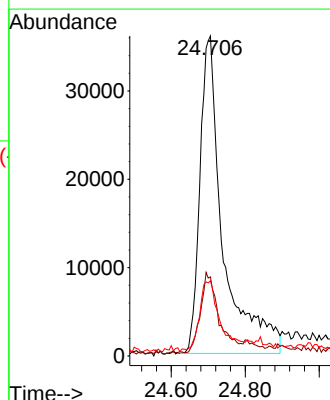
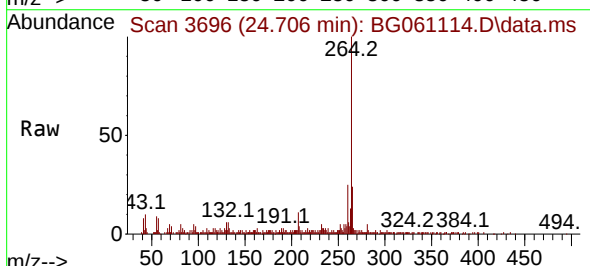
RT: 24.706 min Scan# 3696

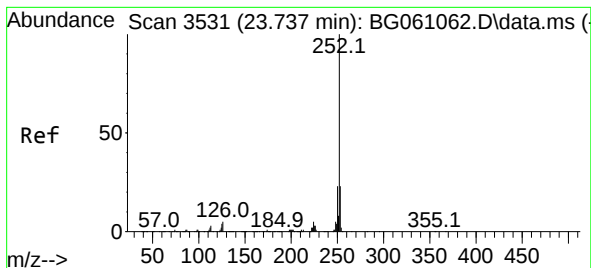
Delta R.T. -0.024 min

Lab File: BG061114.D

Acq: 3 May 2024 20:17

Tgt Ion:264	Resp: 156457
Ion Ratio	Lower Upper
264 100	
260 24.7	17.7 26.5
265 23.5	16.4 24.6





#88

Benzo(b)fluoranthene

Concen: 6.334 ng

RT: 23.713 min Scan# 3527

Delta R.T. -0.024 min

Lab File: BG061114.D

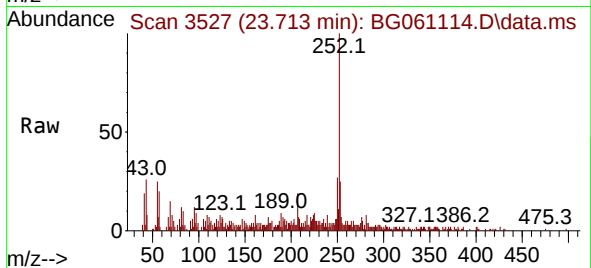
Acq: 3 May 2024 20:17

Instrument :

BNA_G

ClientSampleId :

HD-01-05022024



Tgt Ion:252 Resp: 55378

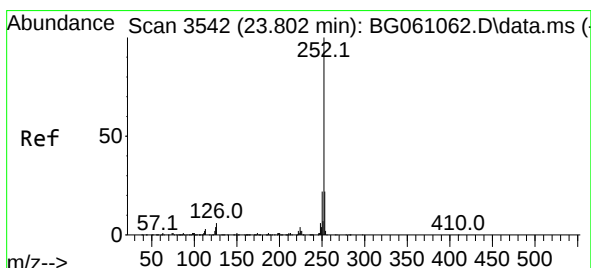
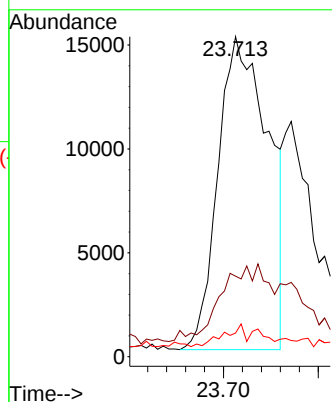
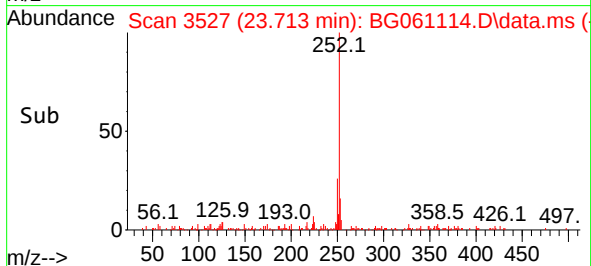
Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.2	27.2
125	7.4	3.4	5.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/04/2024

Supervised By :mohammad ahmed 05/06/2024



#89

Benzo(k)fluoranthene

Concen: 2.711 ng m

RT: 23.772 min Scan# 3537

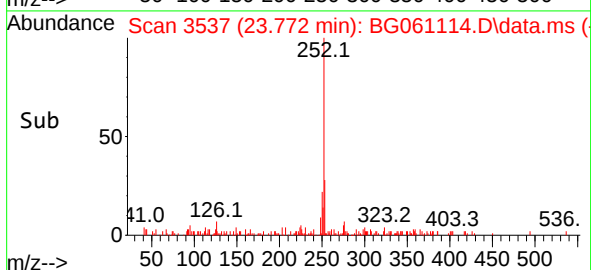
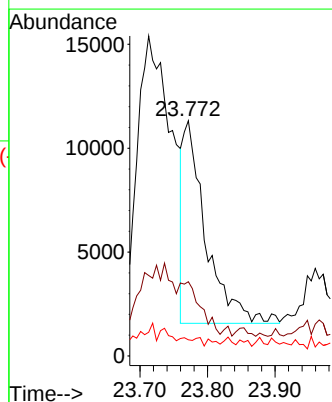
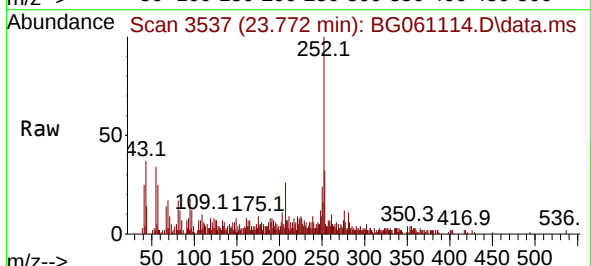
Delta R.T. -0.030 min

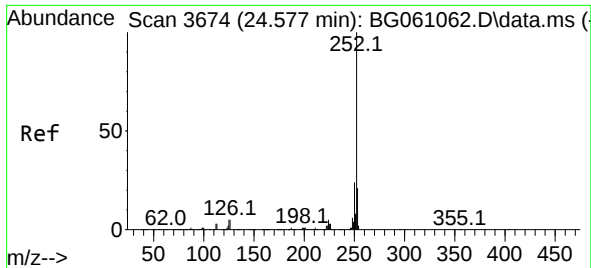
Lab File: BG061114.D

Acq: 3 May 2024 20:17

Tgt Ion:252 Resp: 22800

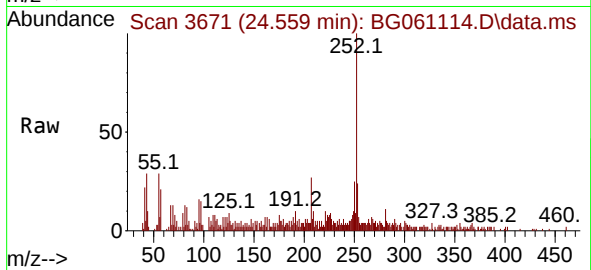
Ion	Ratio	Lower	Upper
252	100		
253	31.5	17.3	25.9#
125	6.9	3.2	4.8#





#90
 Benzo(a)pyrene
 Concen: 5.218 ng
 RT: 24.559 min Scan# 30
 Delta R.T. -0.018 min
 Lab File: BG061114.D
 Acq: 3 May 2024 20:17

Instrument :
 BNA_G
 ClientSampleId :
 HD-01-05022024



Tgt Ion:252 Resp: 39745
 Ion Ratio Lower Upper
 252 100
 253 24.4 16.9 25.3
 125 8.6 3.8 5.8

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/04/2024
 Supervised By :mohammad ahmed 05/06/2024

