

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051724\
 Data File : BG061242.D
 Acq On : 17 May 2024 17:14
 Operator : MA/JU
 Sample : P2495-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RT-3463

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/20/2024
 Supervised By :mohammad ahmed 05/22/2024

Quant Time: May 17 17:51:52 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	7.929	152	29201	20.000	ng	-0.03
21) Naphthalene-d8	10.726	136	114719	20.000	ng	#-0.03
39) Acenaphthene-d10	14.557	164	82610	20.000	ng	-0.03
64) Phenanthrene-d10	17.307	188	183024	20.000	ng	#-0.03
76) Chrysene-d12	21.566	240	180725	20.000	ng	#-0.03
86) Perylene-d12	24.692	264	224612	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	146125	101.770	ng	-0.02
7) Phenol-d6	7.113	99	195226	91.912	ng	-0.02
23) Nitrobenzene-d5	9.087	82	141987	61.355	ng	-0.03
42) 2,4,6-Tribromophenol	16.055	330	120126	72.749	ng	-0.02
45) 2-Fluorobiphenyl	13.182	172	348790	62.433	ng	-0.03
79) Terphenyl-d14	19.927	244	608095	55.961	ng	-0.03
Target Compounds						Qvalue
71) Phenanthrene	17.348	178	35049	4.188	ng	97
75) Fluoranthene	19.363	202	104932	9.153	ng	98
78) Pyrene	19.727	202	106571	9.275	ng	98
81) Benzo(a)anthracene	21.549	228	55165m	4.665	ng	
83) Chrysene	21.613	228	73293	6.615	ng	99
87) Indeno(1,2,3-cd)pyrene	28.247	276	34557	2.322	ng	# 96
88) Benzo(b)fluoranthene	23.711	252	75565m	6.020	ng	
89) Benzo(k)fluoranthene	23.752	252	33461m	2.771	ng	
90) Benzo(a)pyrene	24.545	252	58065	5.310	ng	# 92
92) Benzo(g,h,i)perylene	29.351	276	37272m	3.043	ng	

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

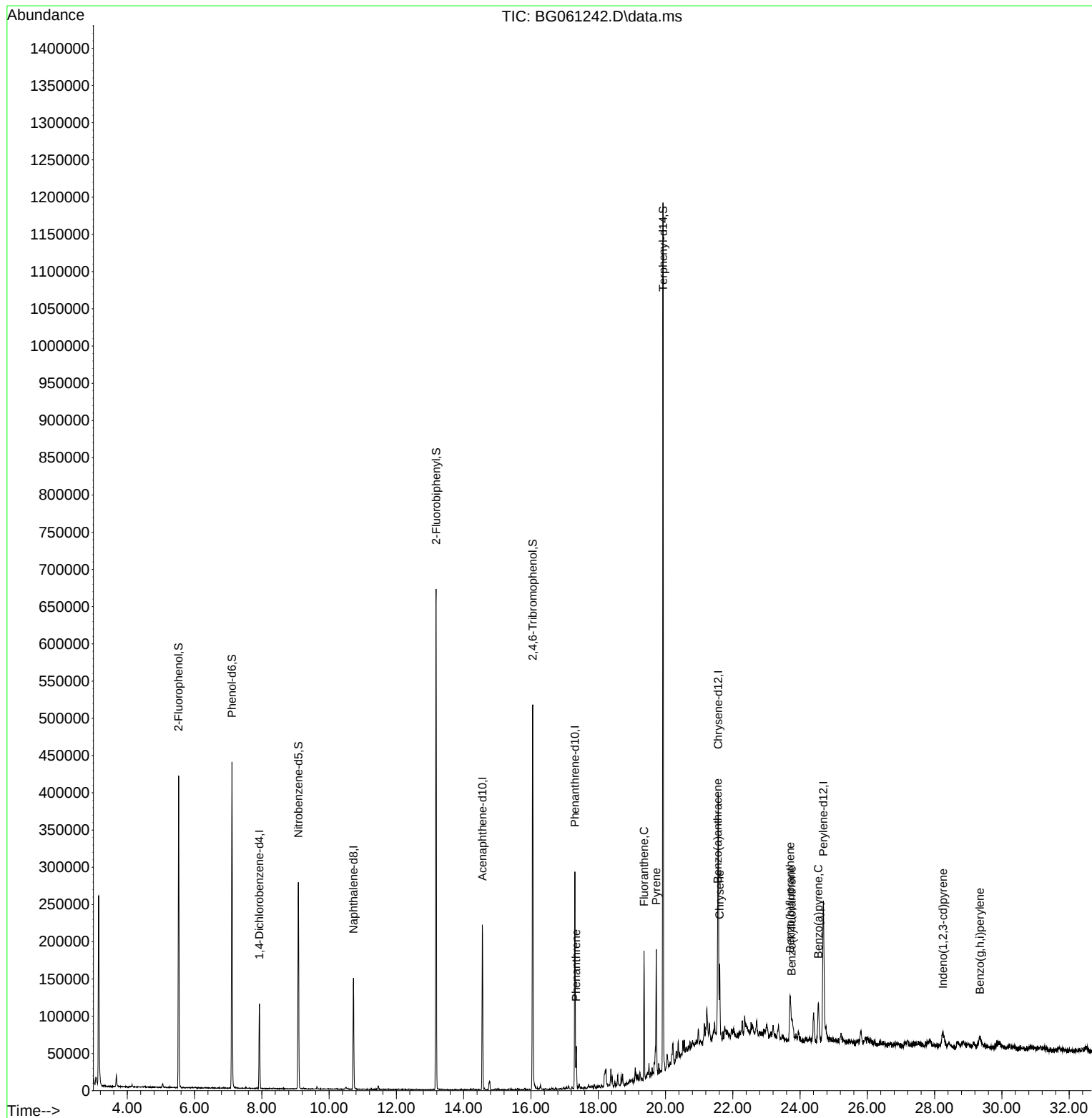
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051724\
Data File : BG061242.D
Acq On : 17 May 2024 17:14
Operator : MA/JU
Sample : P2495-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

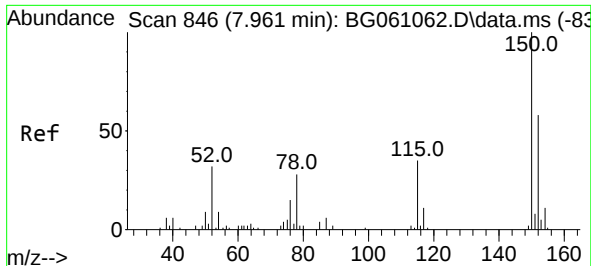
Instrument :
BNA_G
ClientSampleId :
RT-3463

Quant Time: May 17 17:51:52 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

Manual Integrations
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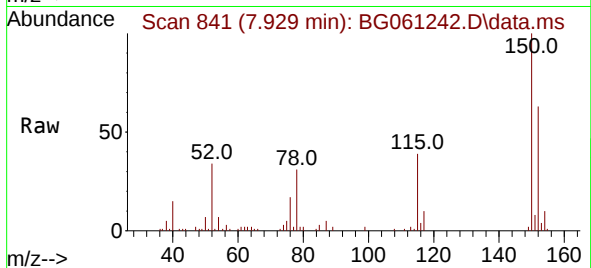
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.929 min Scan# 846
Delta R.T. -0.032 min
Lab File: BG061242.D
Acq: 17 May 2024 17:14

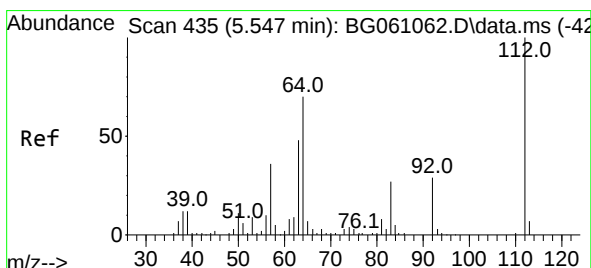
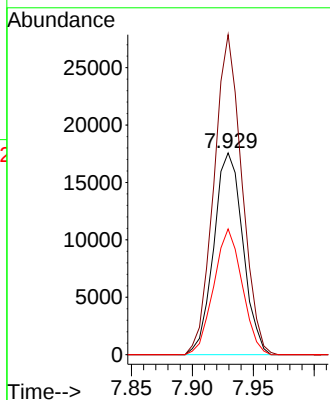
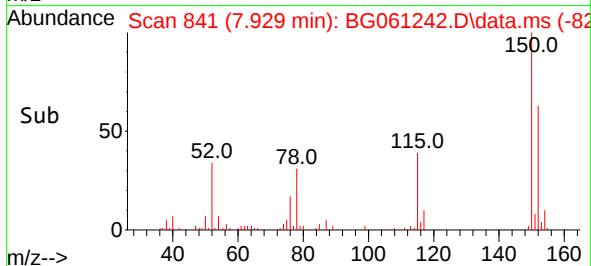
Instrument :
BNA_G
ClientSampleId :
RT-3463



Tgt Ion:152 Resp: 2920
Ion Ratio Lower Upper
152 100
150 158.7 138.3 207.5
115 62.3 48.0 72.0

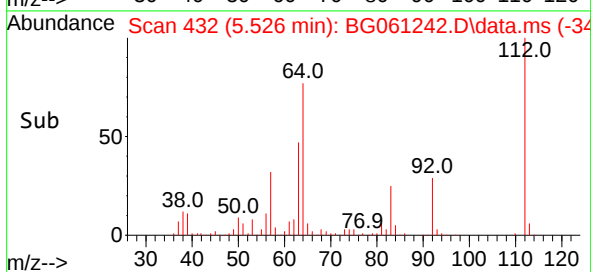
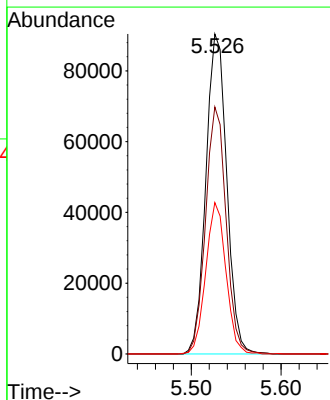
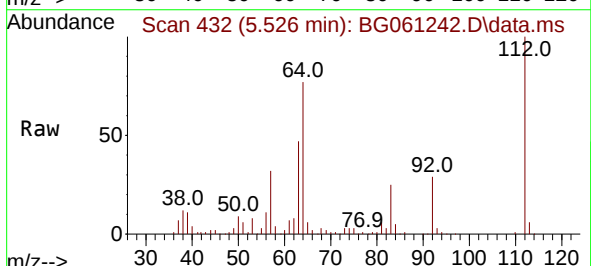
Manual Integrations
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Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#5
2-Fluorophenol
Concen: 101.770 ng
RT: 5.526 min Scan# 432
Delta R.T. -0.020 min
Lab File: BG061242.D
Acq: 17 May 2024 17:14

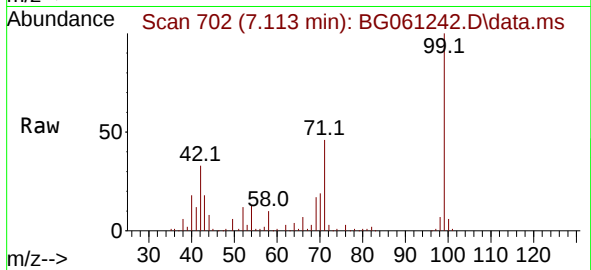
Tgt Ion:112 Resp: 146125
Ion Ratio Lower Upper
112 100
64 77.2 55.7 83.5
63 47.3 38.1 57.1





#7
Phenol-d6
Concen: 91.912 ng
RT: 7.113 min Scan# 705
Delta R.T. -0.020 min
Lab File: BG061242.D
Acq: 17 May 2024 17:14

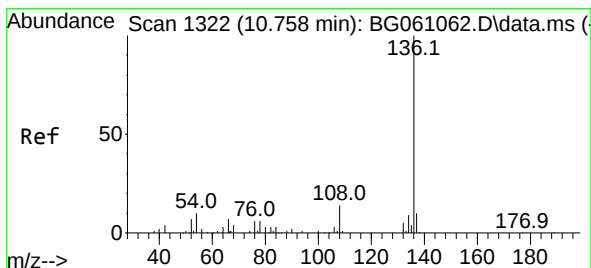
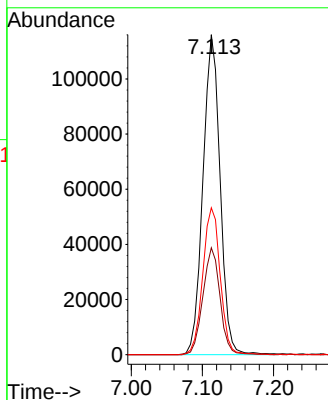
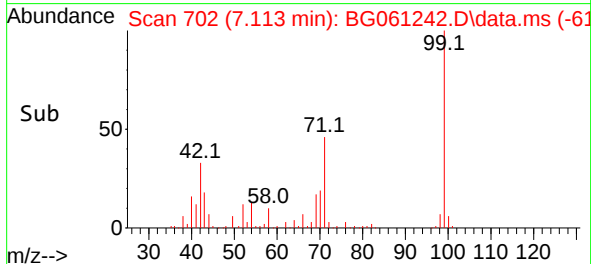
Instrument :
BNA_G
ClientSampleId :
RT-3463



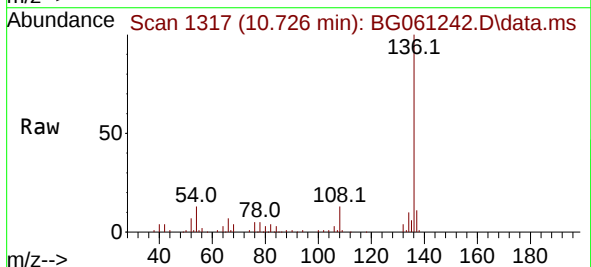
Tgt Ion: 99 Resp: 195220
Ion Ratio Lower Upper
99 100
42 33.4 29.2 43.8
71 45.9 39.7 59.5

Manual Integrations
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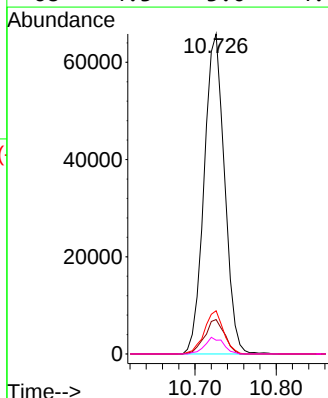
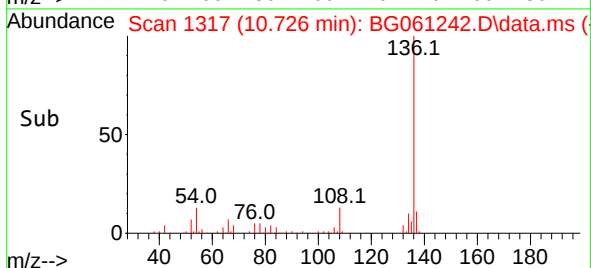
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024

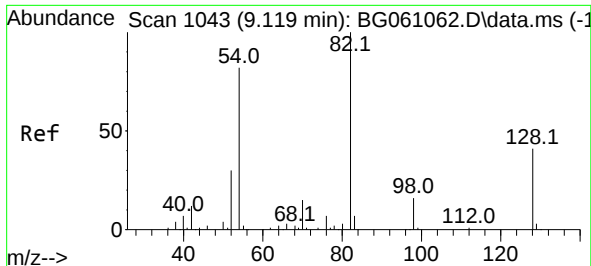


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.726 min Scan# 1317
Delta R.T. -0.032 min
Lab File: BG061242.D
Acq: 17 May 2024 17:14



Tgt Ion:136 Resp: 114719
Ion Ratio Lower Upper
136 100
137 10.8 7.8 11.6
54 13.5 8.1 12.1#
68 4.3 3.0 4.4





#23

Nitrobenzene-d5

Concen: 61.355 ng

RT: 9.087 min Scan# 1043

Delta R.T. -0.032 min

Lab File: BG061242.D

Acq: 17 May 2024 17:14

Instrument :

BNA_G

ClientSampleId :

RT-3463

Tgt Ion: 82 Resp: 14198

Ion Ratio Lower Upper

82 100

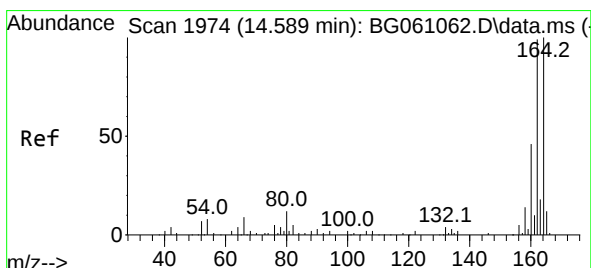
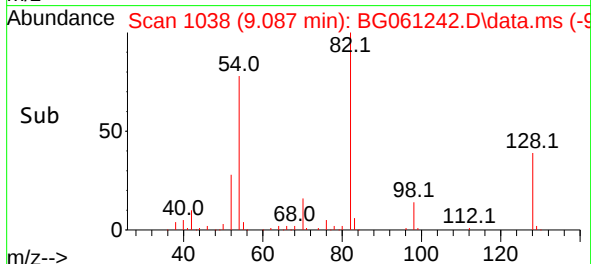
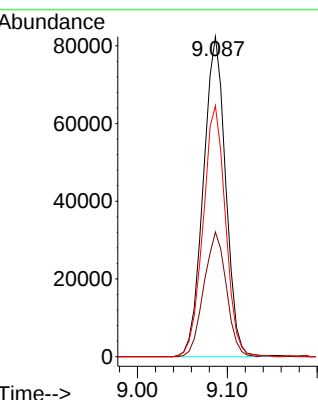
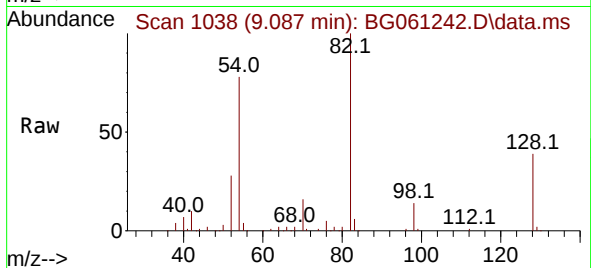
128 39.0 32.7 49.1

54 78.4 65.6 98.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.557 min Scan# 1969

Delta R.T. -0.032 min

Lab File: BG061242.D

Acq: 17 May 2024 17:14

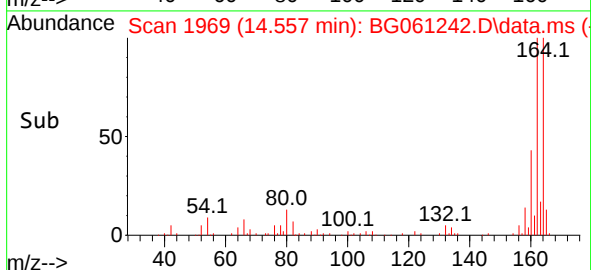
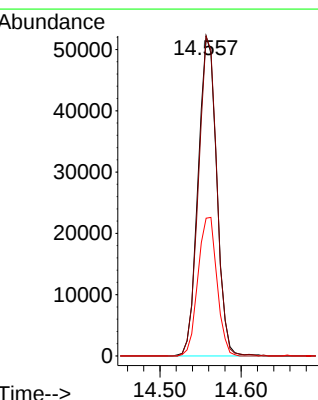
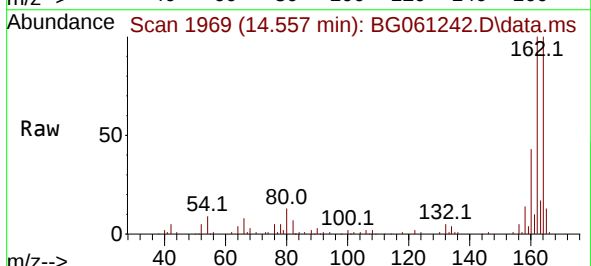
Tgt Ion:164 Resp: 82610

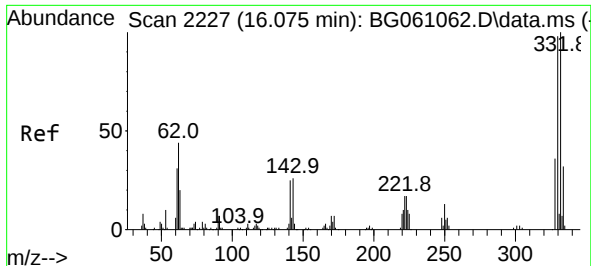
Ion Ratio Lower Upper

164 100

162 99.9 79.4 119.2

160 43.0 37.0 55.6





#42
2,4,6-Tribromophenol
Concen: 72.749 ng
RT: 16.055 min Scan# 21
Delta R.T. -0.020 min
Lab File: BG061242.D
Acq: 17 May 2024 17:14

Instrument :

BNA_G

ClientSampleId :

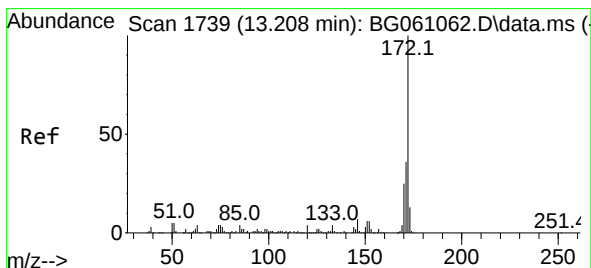
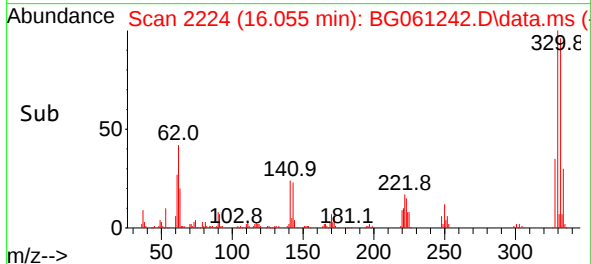
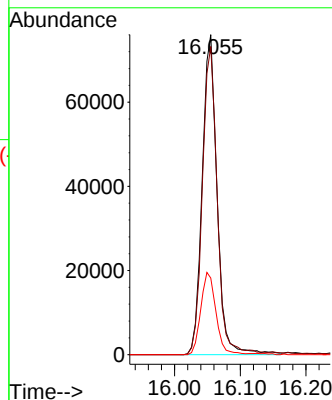
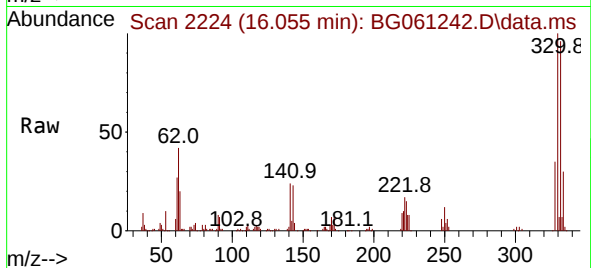
RT-3463

Tgt Ion:330 Resp: 120120
Ion Ratio Lower Upper
330 100
332 96.1 78.6 117.8
141 26.1 20.5 30.7

Manual Integrations

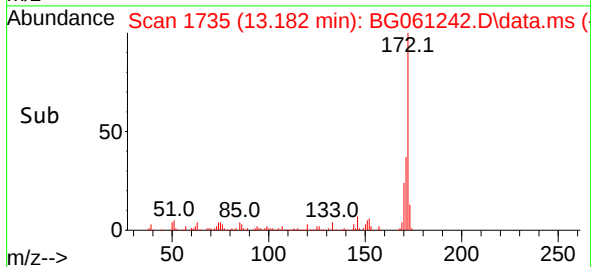
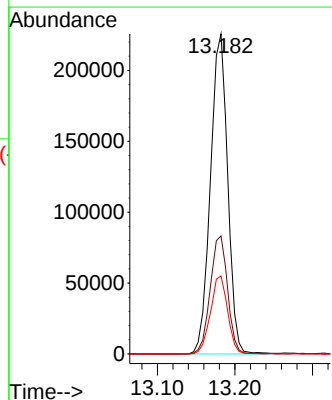
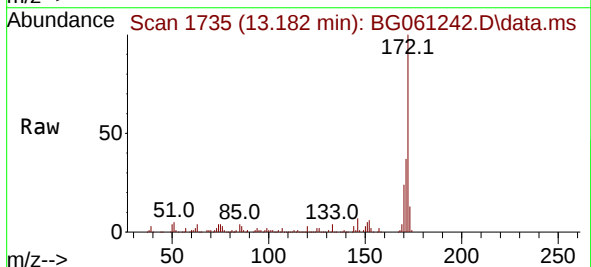
APPROVED

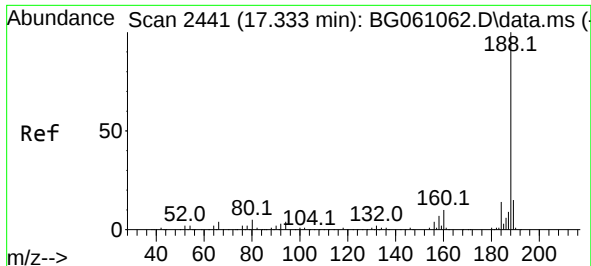
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#45
2-Fluorobiphenyl
Concen: 62.433 ng
RT: 13.182 min Scan# 1735
Delta R.T. -0.026 min
Lab File: BG061242.D
Acq: 17 May 2024 17:14

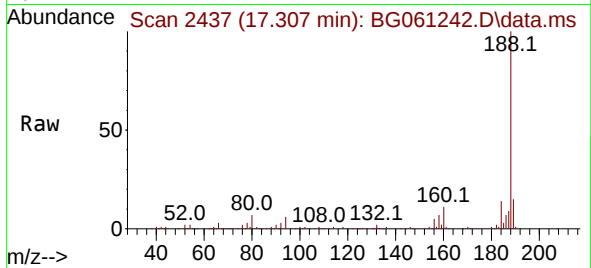
Tgt Ion:172 Resp: 348790
Ion Ratio Lower Upper
172 100
171 36.9 29.0 43.6
170 24.4 20.2 30.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.307 min Scan# 2437
Delta R.T. -0.026 min
Lab File: BG061242.D
Acq: 17 May 2024 17:14

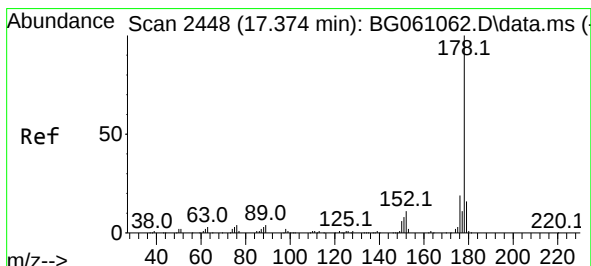
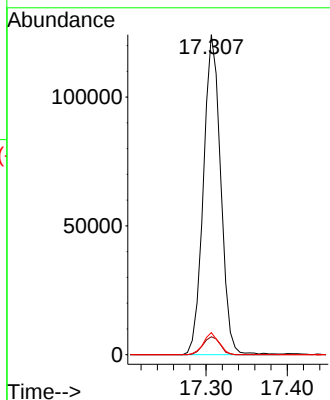
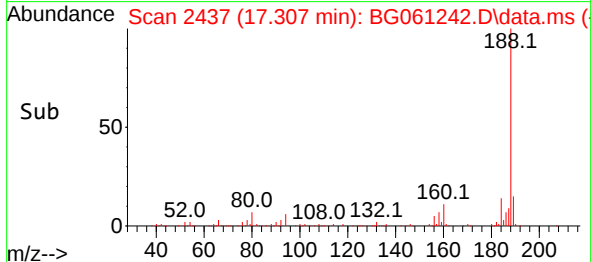
Instrument :
BNA_G
ClientSampleId :
RT-3463



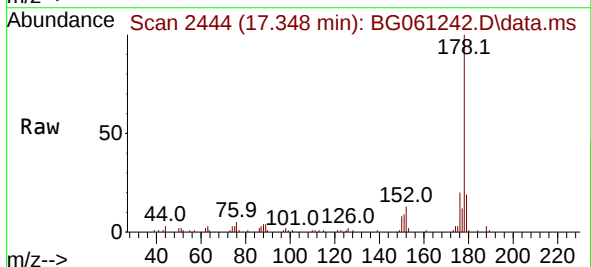
Tgt Ion:188 Resp: 183024
Ion Ratio Lower Upper
188 100
94 5.6 3.6 5.4
80 6.9 4.2 6.2

Manual Integrations
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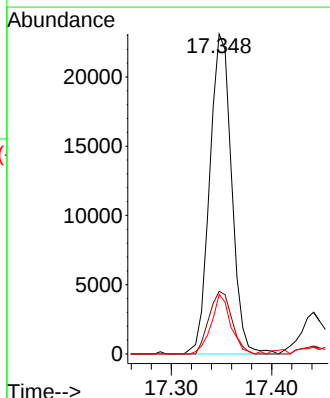
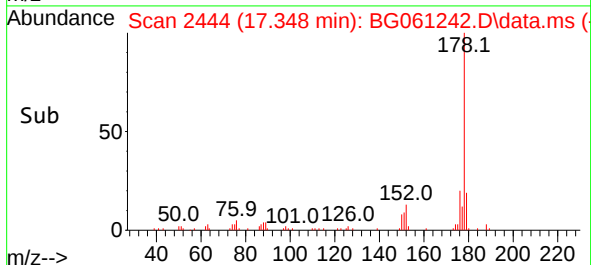
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024

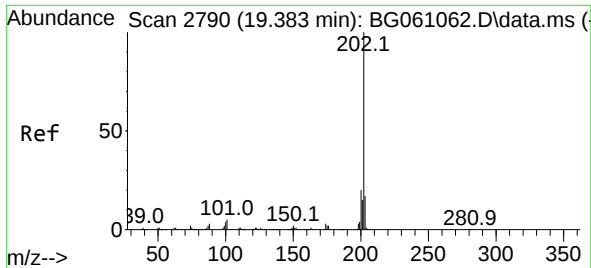


#71
Phenanthrene
Concen: 4.188 ng
RT: 17.348 min Scan# 2444
Delta R.T. -0.026 min
Lab File: BG061242.D
Acq: 17 May 2024 17:14



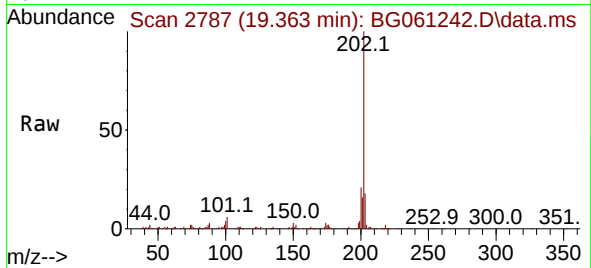
Tgt Ion:178 Resp: 35049
Ion Ratio Lower Upper
178 100
176 19.6 15.5 23.3
179 18.6 12.6 19.0





#75
Fluoranthene
Concen: 9.153 ng
RT: 19.363 min Scan# 21
Delta R.T. -0.020 min
Lab File: BG061242.D
Acq: 17 May 2024 17:14

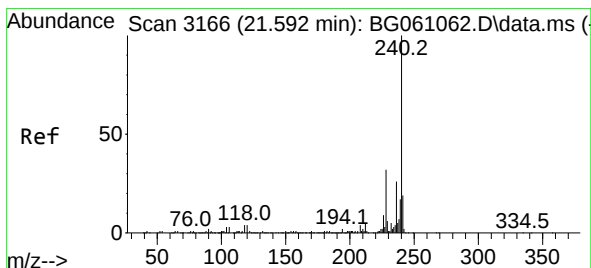
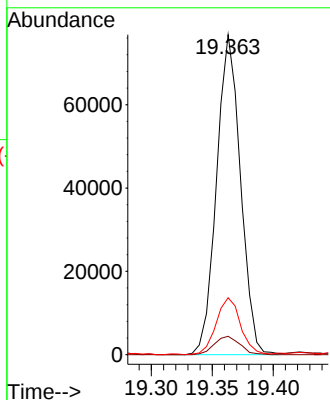
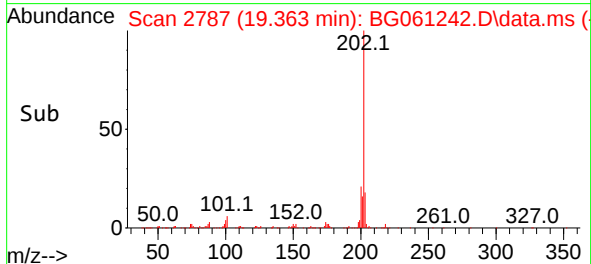
Instrument :
BNA_G
ClientSampleId :
RT-3463



Tgt Ion:202 Resp: 104932
Ion Ratio Lower Upper
202 100
101 5.7 0.0 24.7
203 17.8 0.0 37.1

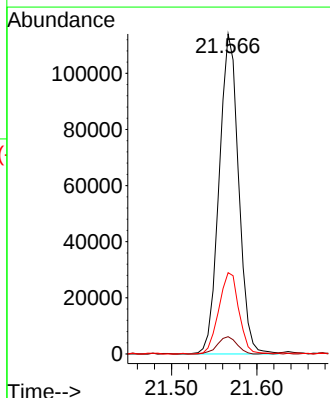
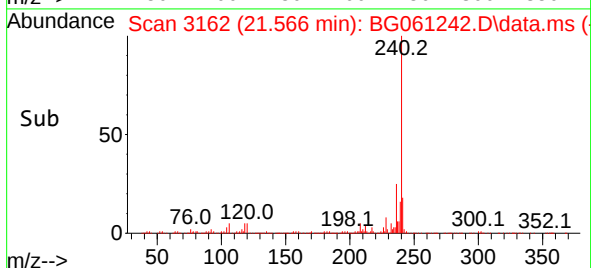
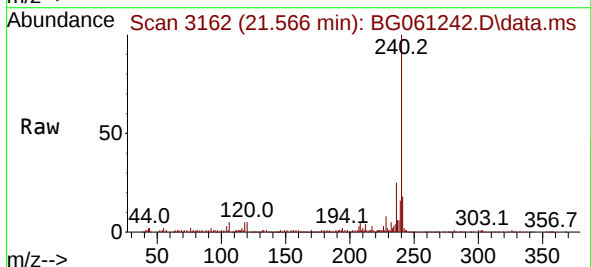
Manual Integrations
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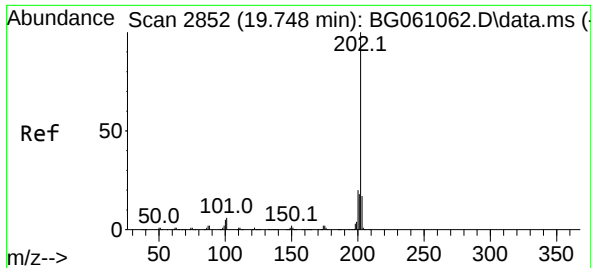
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.566 min Scan# 3162
Delta R.T. -0.026 min
Lab File: BG061242.D
Acq: 17 May 2024 17:14

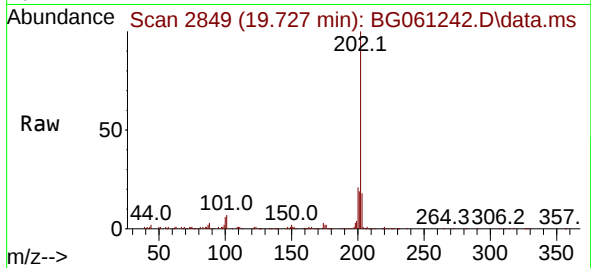
Tgt Ion:240 Resp: 180725
Ion Ratio Lower Upper
240 100
120 5.4 3.2 4.8#
236 25.4 21.0 31.6





#78
 Pyrene
 Concen: 9.275 ng
 RT: 19.727 min Scan# 2849
 Delta R.T. -0.020 min
 Lab File: BG061242.D
 Acq: 17 May 2024 17:14

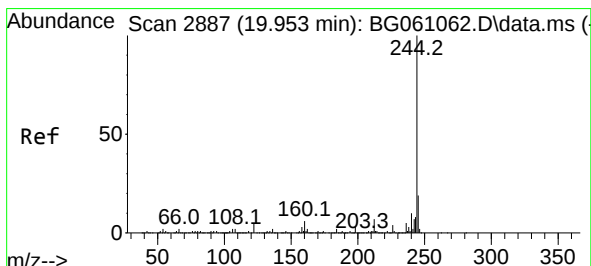
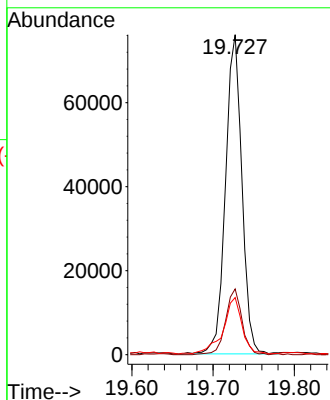
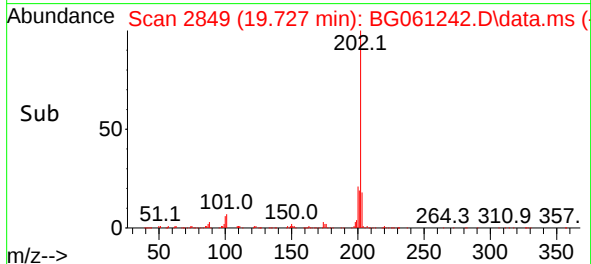
Instrument :
 BNA_G
 ClientSampleId :
 RT-3463



Tgt Ion:202 Resp: 10657
 Ion Ratio Lower Upper
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 200 20.6 16.2 24.4
 203 17.8 13.3 19.9

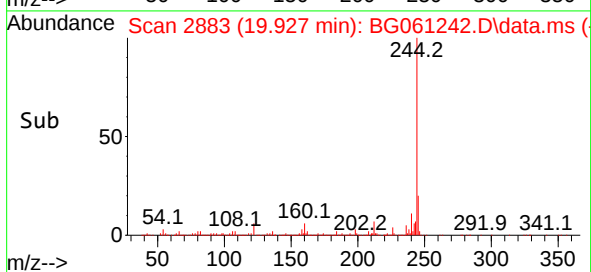
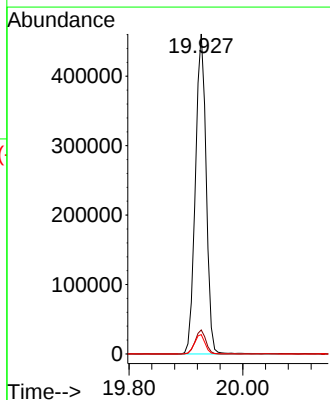
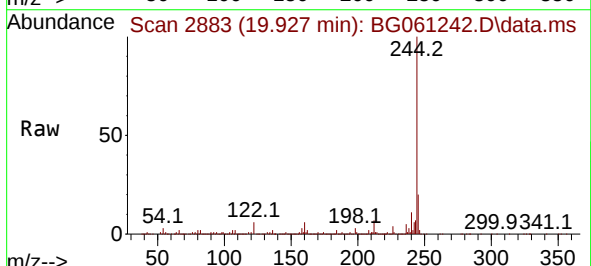
Manual Integrations
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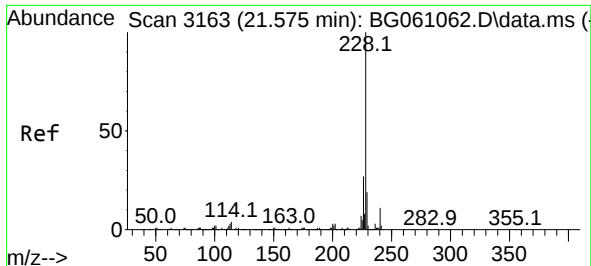
Reviewed By :Jagrut Upadhyay 05/20/2024
 Supervised By :mohammad ahmed 05/22/2024



#79
 Terphenyl-d14
 Concen: 55.961 ng
 RT: 19.927 min Scan# 2883
 Delta R.T. -0.026 min
 Lab File: BG061242.D
 Acq: 17 May 2024 17:14

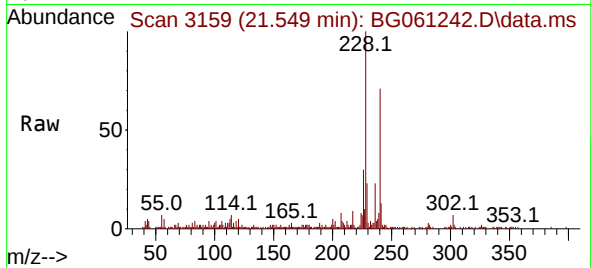
Tgt Ion:244 Resp: 608095
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.7 8.5
 122 6.1 4.2 6.2





#81
Benzo(a)anthracene
Concen: 4.665 ng m
RT: 21.549 min Scan# 3159
Delta R.T. -0.026 min
Lab File: BG061242.D
Acq: 17 May 2024 17:14

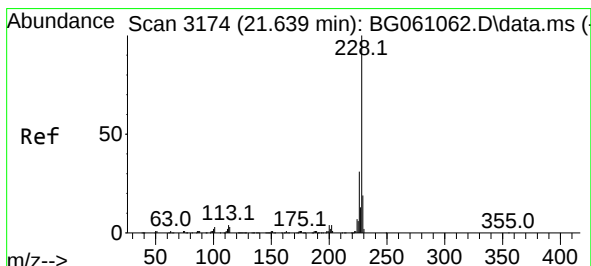
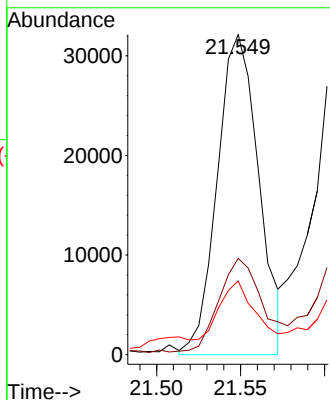
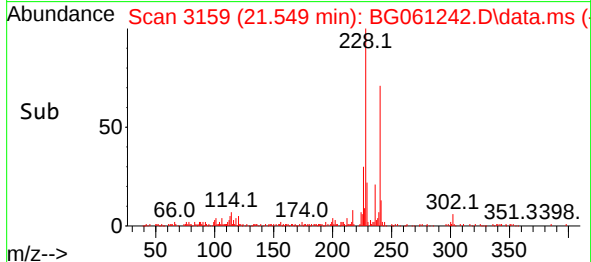
Instrument :
BNA_G
ClientSampleId :
RT-3463



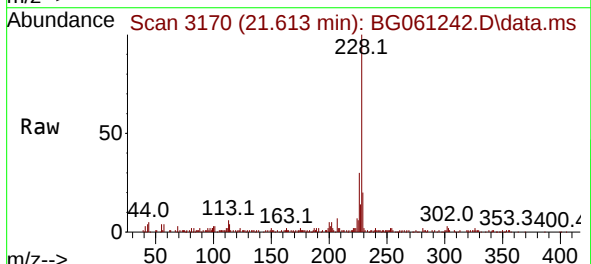
Tgt Ion:228 Resp: 5516
Ion Ratio Lower Upper
228 100
226 30.1 21.6 32.4
229 23.0 15.0 22.4

Manual Integrations
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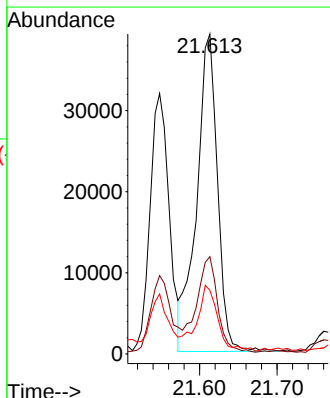
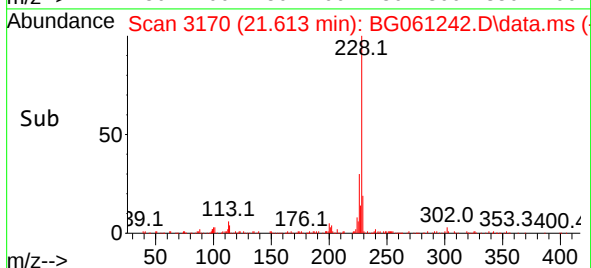
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024

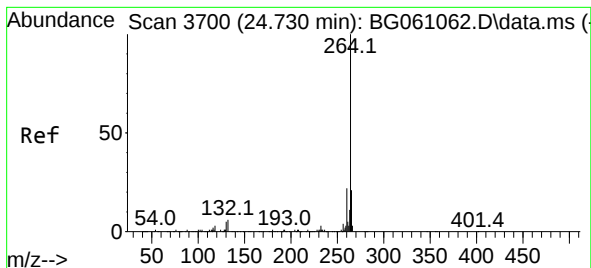


#83
Chrysene
Concen: 6.615 ng
RT: 21.613 min Scan# 3170
Delta R.T. -0.026 min
Lab File: BG061242.D
Acq: 17 May 2024 17:14



Tgt Ion:228 Resp: 73293
Ion Ratio Lower Upper
228 100
226 30.4 24.4 36.6
229 19.9 14.8 22.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.692 min Scan# 30

Delta R.T. -0.038 min

Lab File: BG061242.D

Acq: 17 May 2024 17:14

Instrument :

BNA_G

ClientSampleId :

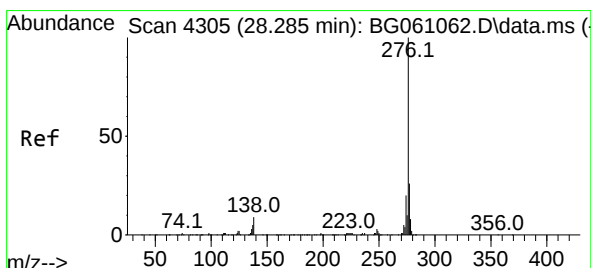
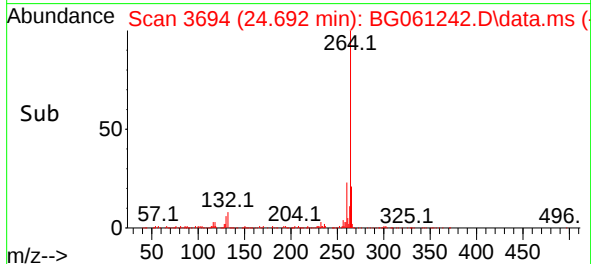
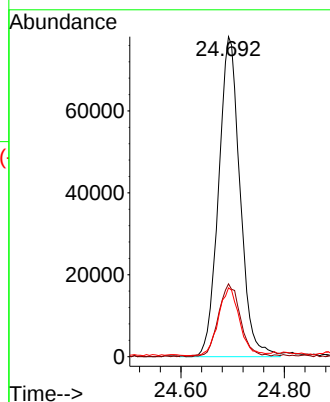
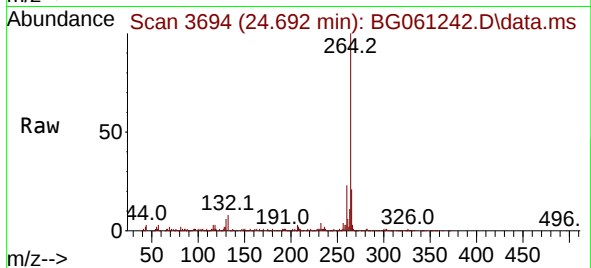
RT-3463

Tgt Ion:264	Resp:	22461
Ion Ratio	Lower	Upper
264	100	
260	22.7	17.7 26.5
265	21.5	16.4 24.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.322 ng

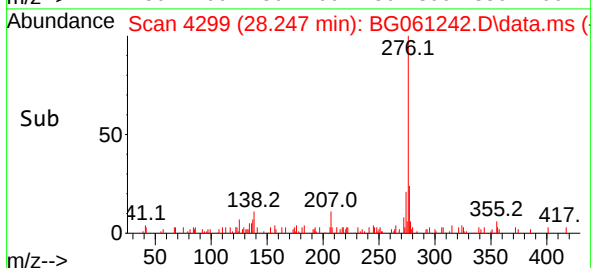
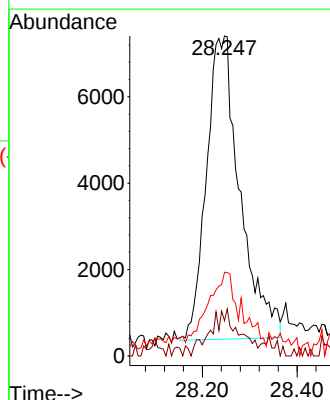
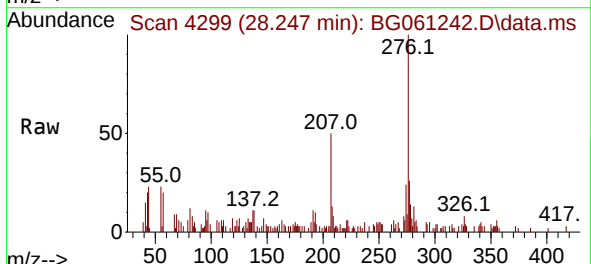
RT: 28.247 min Scan# 4299

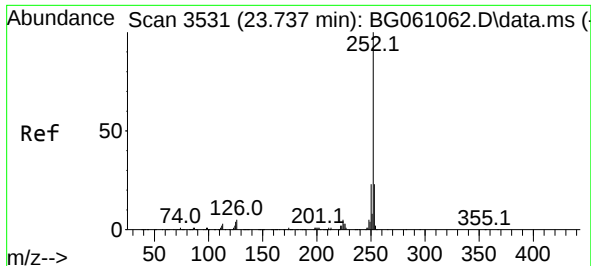
Delta R.T. -0.038 min

Lab File: BG061242.D

Acq: 17 May 2024 17:14

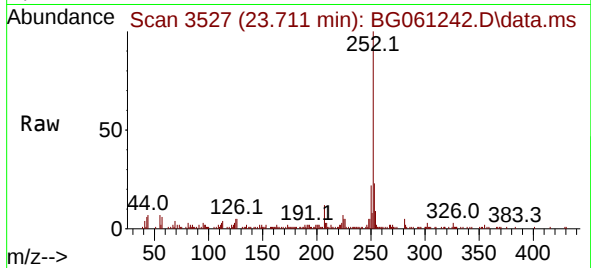
Tgt Ion:276	Resp:	34557
Ion Ratio	Lower	Upper
276	100	
138	8.7	5.1 7.7#
277	23.9	20.6 30.8





#88
Benzo(b)fluoranthene
Concen: 6.020 ng m
RT: 23.711 min Scan# 3527
Delta R.T. -0.026 min
Lab File: BG061242.D
Acq: 17 May 2024 17:14

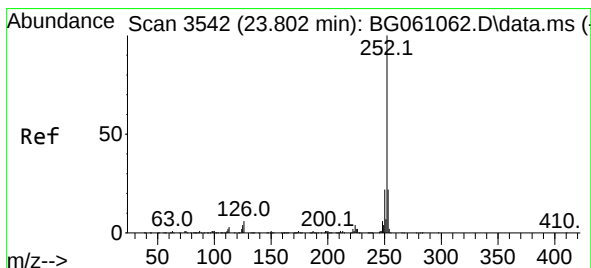
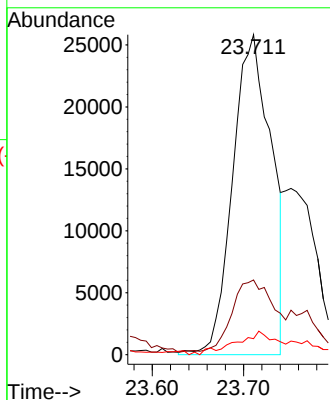
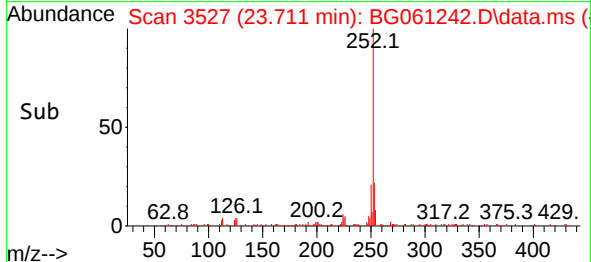
Instrument :
BNA_G
ClientSampleId :
RT-3463



Tgt Ion:252 Resp: 7556
Ion Ratio Lower Upper
252 100
253 23.3 18.2 27.2
125 5.0 3.4 5.0

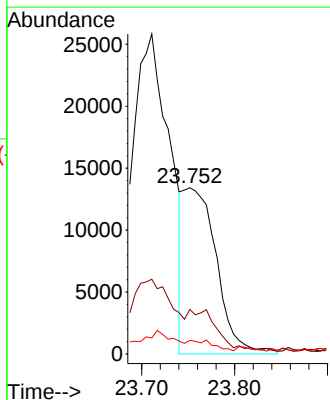
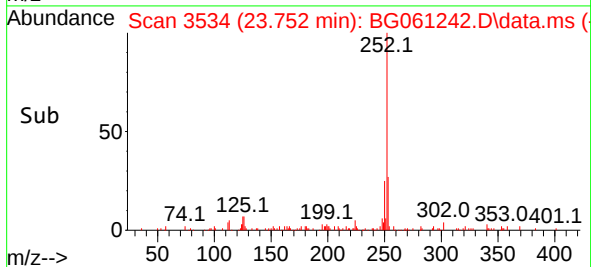
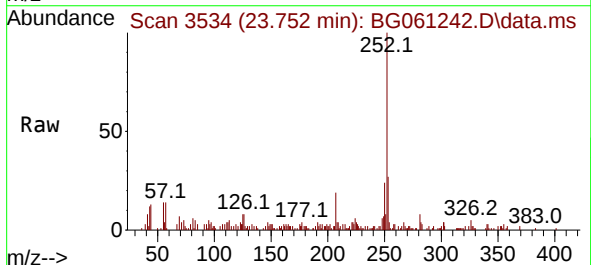
Manual Integrations
APPROVED

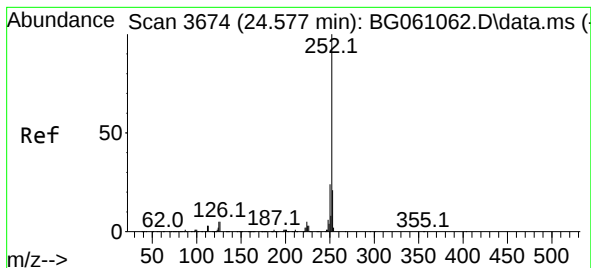
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#89
Benzo(k)fluoranthene
Concen: 2.771 ng m
RT: 23.752 min Scan# 3534
Delta R.T. -0.050 min
Lab File: BG061242.D
Acq: 17 May 2024 17:14

Tgt Ion:252 Resp: 33461
Ion Ratio Lower Upper
252 100
253 26.8 17.3 25.9#
125 8.2 3.2 4.8#





#90

Benzo(a)pyrene

Concen: 5.310 ng

RT: 24.545 min Scan# 30

Delta R.T. -0.032 min

Lab File: BG061242.D

Acq: 17 May 2024 17:14

Instrument :

BNA_G

ClientSampleId :

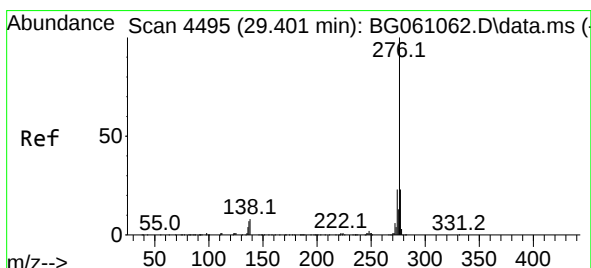
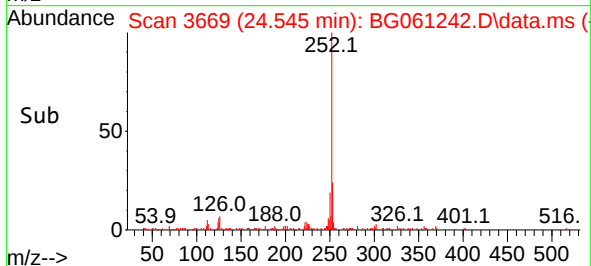
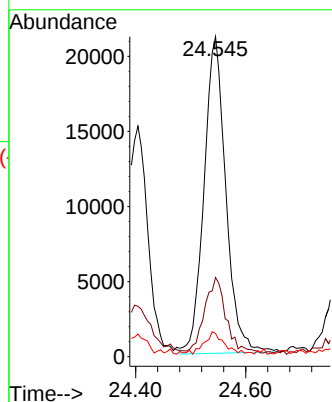
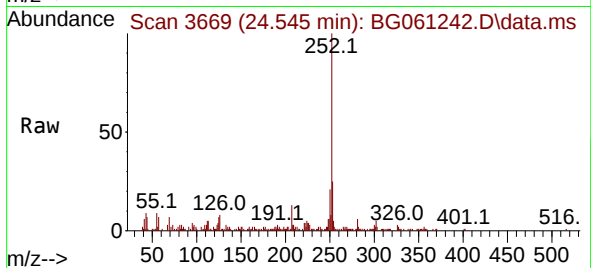
RT-3463

Tgt Ion:	252	Resp:	5806
Ion Ratio	Lower	Upper	
252	100		
253	24.7	16.9	25.3
125	7.2	3.8	5.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#92

Benzo(g,h,i)perylene

Concen: 3.043 ng m

RT: 29.351 min Scan# 4487

Delta R.T. -0.050 min

Lab File: BG061242.D

Acq: 17 May 2024 17:14

Tgt Ion:	276	Resp:	37272
Ion Ratio	Lower	Upper	
276	100		
277	25.6	18.2	27.4
138	9.7	6.2	9.2

