

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050224\
 Data File : BG061090.D
 Acq On : 2 May 2024 12:40
 Operator : MA/JU
 Sample : P2330-17
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 F-3(0.5-1.5)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/03/2024
 Supervised By :mohammad ahmed 05/06/2024

Quant Time: May 02 13:22:15 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	7.936	152	27284	20.000	ng	-0.03
21) Naphthalene-d8	10.732	136	104028	20.000	ng	#-0.03
39) Acenaphthene-d10	14.557	164	80220	20.000	ng	-0.03
64) Phenanthrene-d10	17.307	188	179809	20.000	ng	-0.03
76) Chrysene-d12	21.567	240	179786	20.000	ng	-0.03
86) Perylene-d12	24.692	264	187050	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.527	112	112329	83.729	ng	-0.02
7) Phenol-d6	7.107	99	153438	77.314	ng	-0.03
23) Nitrobenzene-d5	9.087	82	112168	53.451	ng	-0.03
42) 2,4,6-Tribromophenol	16.050	330	125654	78.364	ng	-0.03
45) 2-Fluorobiphenyl	13.182	172	302812	55.818	ng	-0.03
79) Terphenyl-d14	19.927	244	499438	46.201	ng	-0.03
Target Compounds						Qvalue
71) Phenanthrene	17.348	178	43761	5.323	ng	96
75) Fluoranthene	19.363	202	105462	9.363	ng	99
78) Pyrene	19.728	202	94886	8.301	ng	99
81) Benzo(a)anthracene	21.549	228	55881	4.750	ng	96
83) Chrysene	21.614	228	63029m	5.718	ng	
87) Indeno(1,2,3-cd)pyrene	28.224	276	33655m	2.715	ng	
88) Benzo(b)fluoranthene	23.711	252	71703	6.860	ng	# 93
89) Benzo(k)fluoranthene	23.752	252	32499m	3.232	ng	
90) Benzo(a)pyrene	24.540	252	45179	4.961	ng	99
92) Benzo(g,h,i)perylene	29.322	276	23903m	2.343	ng	

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

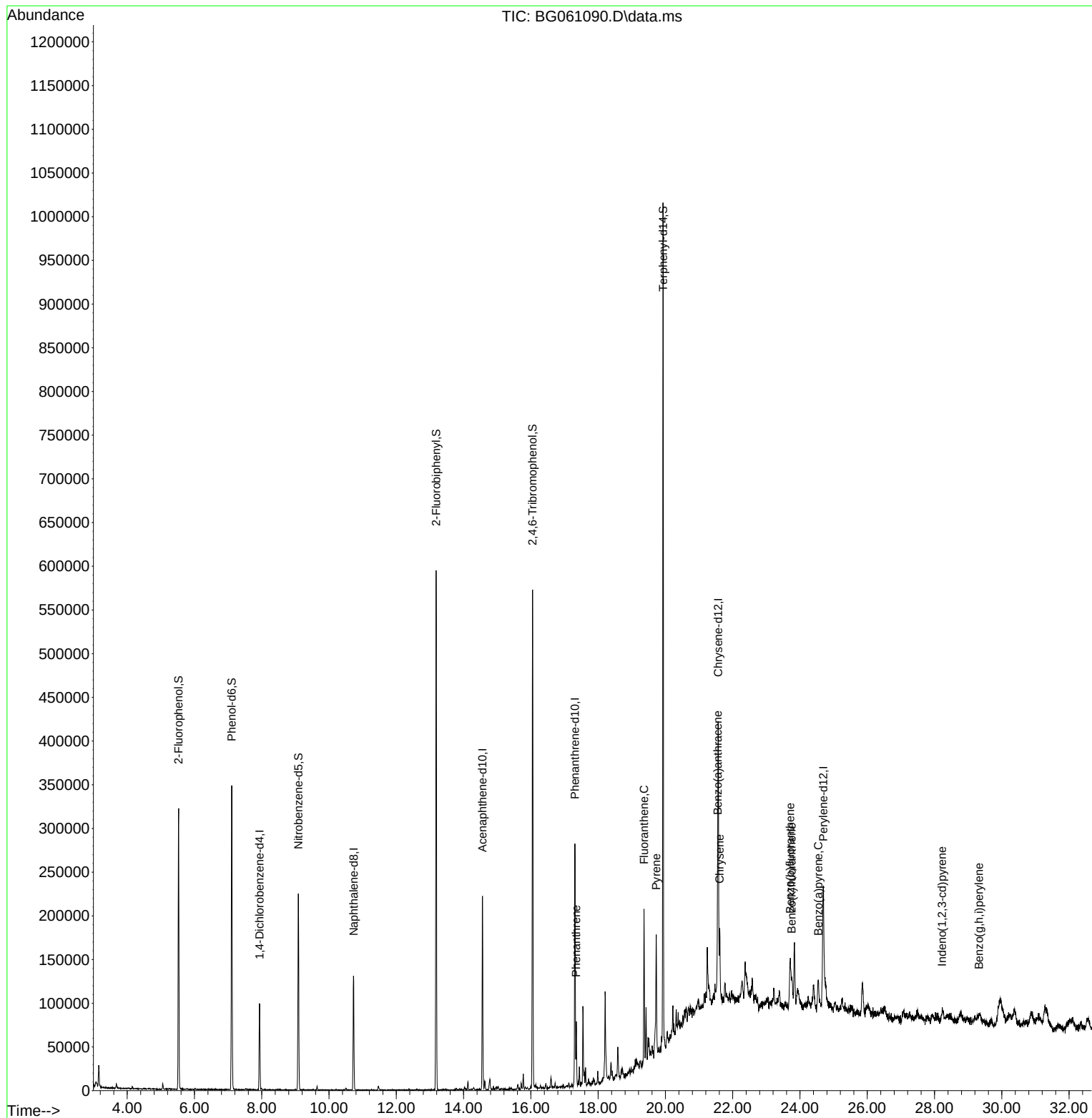
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050224\
Data File : BG061090.D
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Operator : MA/JU
Sample : P2330-17
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ALS Vial : 6 Sample Multiplier: 1

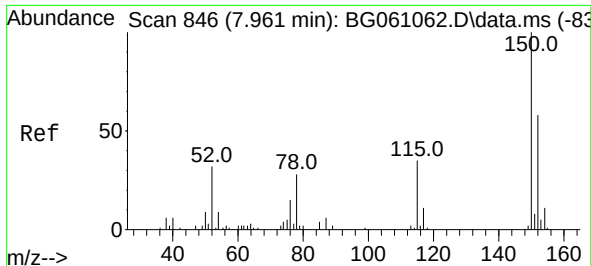
Instrument :
BNA_G
ClientSampleId :
F-3(0.5-1.5)

Quant Time: May 02 13:22:15 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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Manual Integrations
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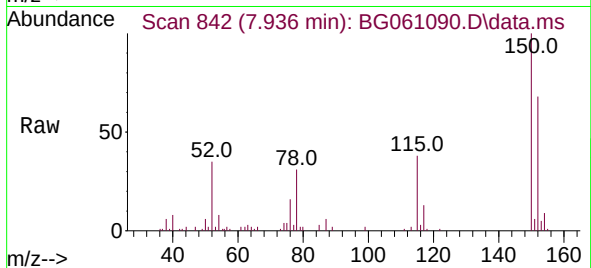
Reviewed By :Yogesh Patel 05/03/2024
Supervised By :mohammad ahmed 05/06/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.936 min Scan# 846
Delta R.T. -0.025 min
Lab File: BG061090.D
Acq: 2 May 2024 12:40

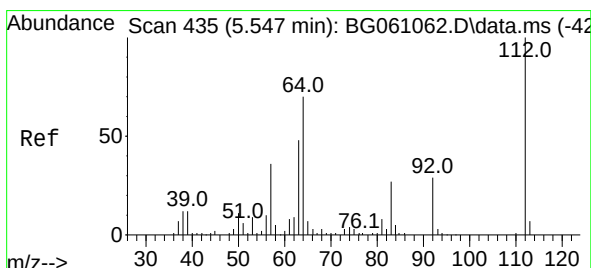
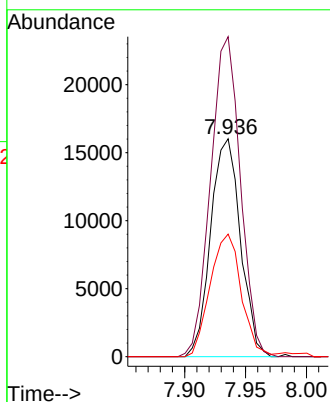
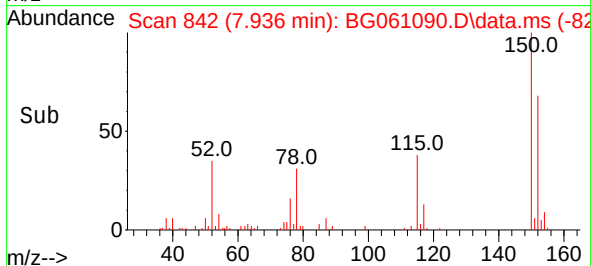
Instrument :
BNA_G
ClientSampleId :
F-3(0.5-1.5)



Tgt Ion:152 Resp: 27284
Ion Ratio Lower Upper
152 100
150 146.8 138.3 207.5
115 56.2 48.0 72.0

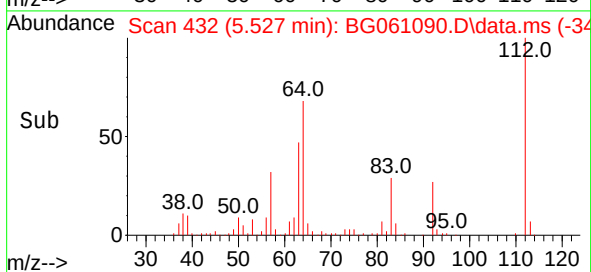
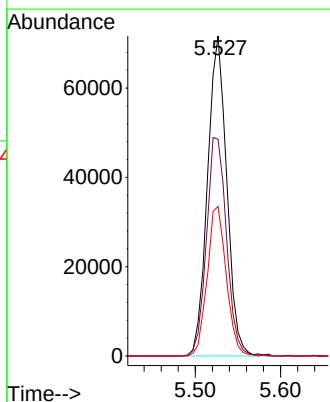
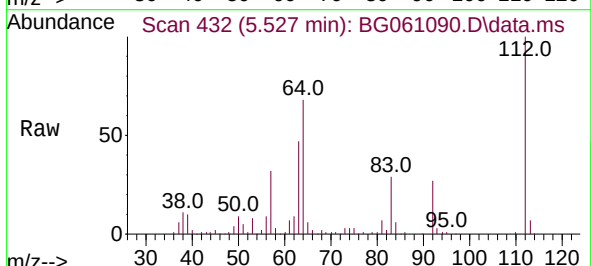
Manual Integrations
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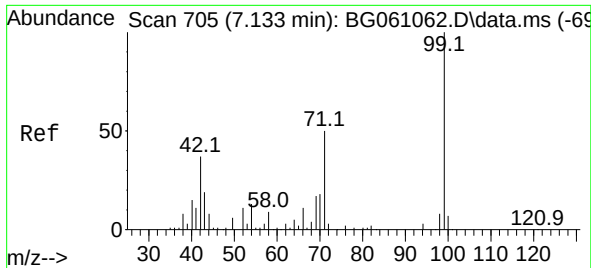
Reviewed By :Yogesh Patel 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



#5
2-Fluorophenol
Concen: 83.729 ng
RT: 5.527 min Scan# 432
Delta R.T. -0.020 min
Lab File: BG061090.D
Acq: 2 May 2024 12:40

Tgt Ion:112 Resp: 112329
Ion Ratio Lower Upper
112 100
64 67.8 55.7 83.5
63 46.7 38.1 57.1





#7

Phenol-d6

Concen: 77.314 ng

RT: 7.107 min Scan# 705

Delta R.T. -0.026 min

Lab File: BG061090.D

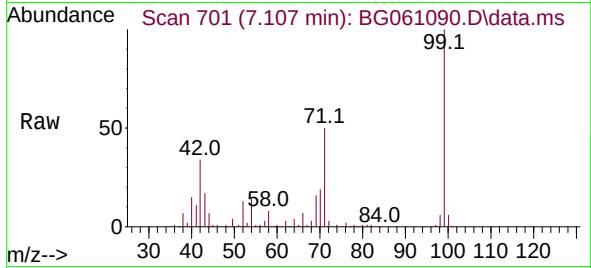
Acq: 2 May 2024 12:40

Instrument :

BNA_G

ClientSampleId :

F-3(0.5-1.5)



Tgt Ion: 99 Resp: 15343

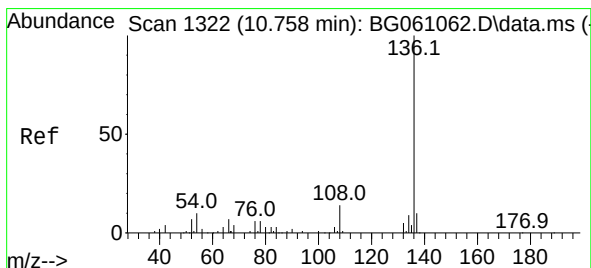
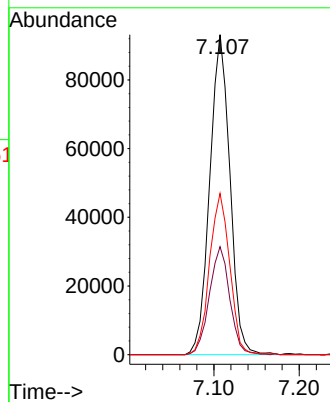
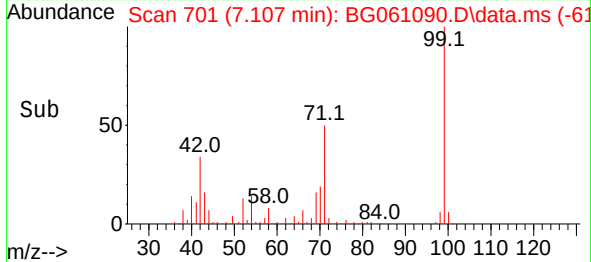
Ion	Ratio	Lower	Upper
99	100		
42	33.7	29.2	43.8
71	50.4	39.7	59.5

Manual Integrations

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Reviewed By :Yogesh Patel 05/03/2024

Supervised By :mohammad ahmed 05/06/2024



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.732 min Scan# 1318

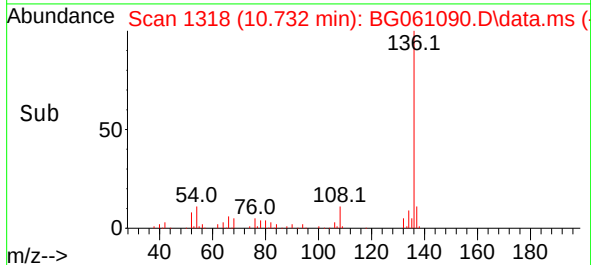
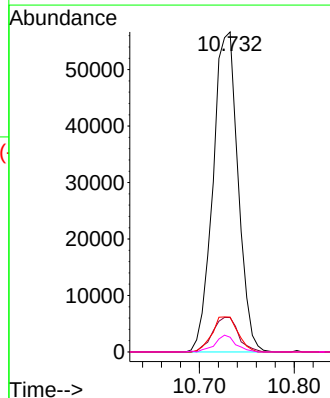
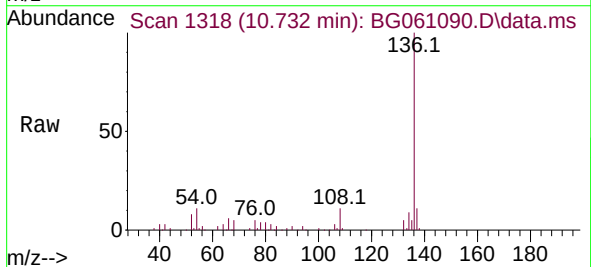
Delta R.T. -0.026 min

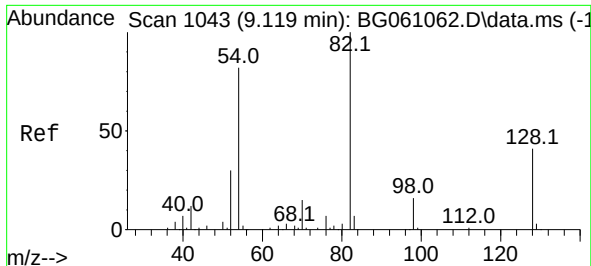
Lab File: BG061090.D

Acq: 2 May 2024 12:40

Tgt Ion:136 Resp: 104028

Ion	Ratio	Lower	Upper
136	100		
137	10.7	7.8	11.6
54	10.9	8.1	12.1
68	4.6	3.0	4.4





#23
Nitrobenzene-d5
Concen: 53.451 ng
RT: 9.087 min Scan# 112168
Delta R.T. -0.032 min
Lab File: BG061090.D
Acq: 2 May 2024 12:40

Instrument :

BNA_G

ClientSampleId :

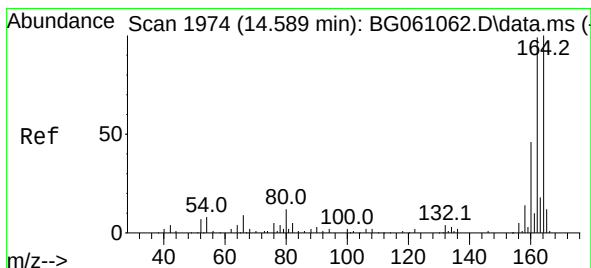
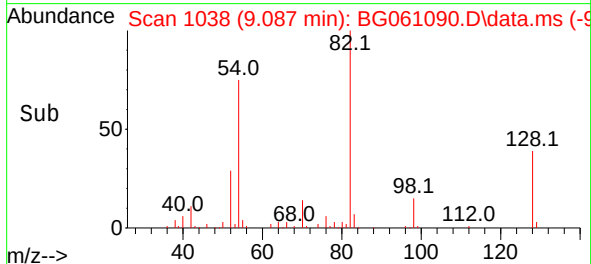
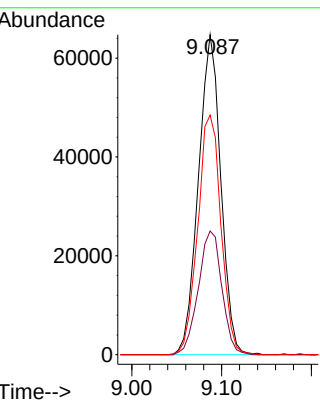
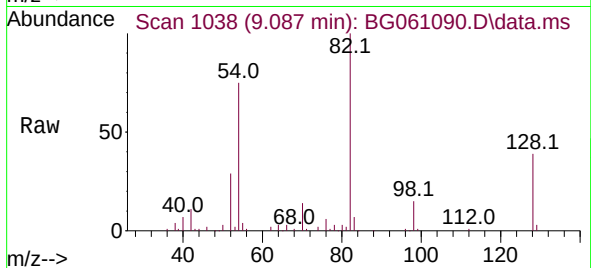
F-3(0.5-1.5)

Tgt Ion: 82 Resp: 112168
Ion Ratio Lower Upper
82 100
128 38.7 32.7 49.1
54 74.9 65.6 98.4

Manual Integrations

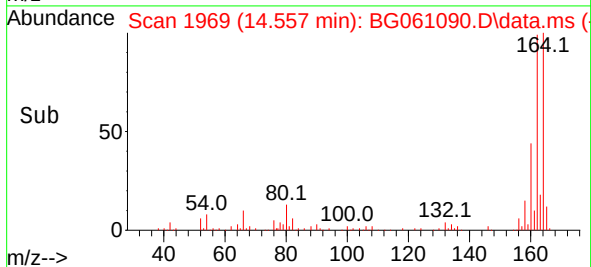
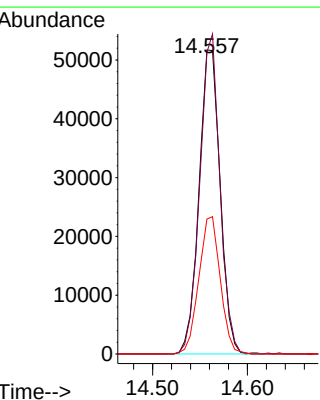
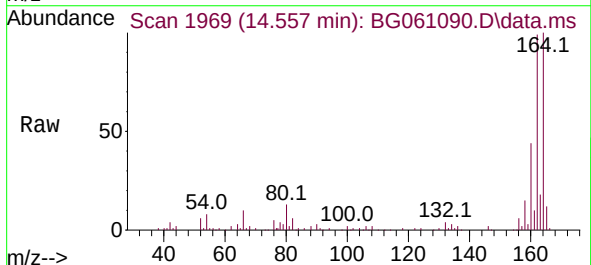
APPROVED

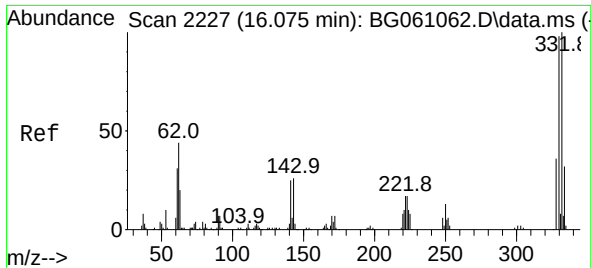
Reviewed By :Yogesh Patel 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.557 min Scan# 1969
Delta R.T. -0.032 min
Lab File: BG061090.D
Acq: 2 May 2024 12:40

Tgt Ion:164 Resp: 80220
Ion Ratio Lower Upper
164 100
162 99.2 79.4 119.2
160 44.4 37.0 55.6





#42
2,4,6-Tribromophenol
Concen: 78.364 ng
RT: 16.050 min Scan# 21
Delta R.T. -0.026 min
Lab File: BG061090.D
Acq: 2 May 2024 12:40

Instrument :

BNA_G

ClientSampleId :

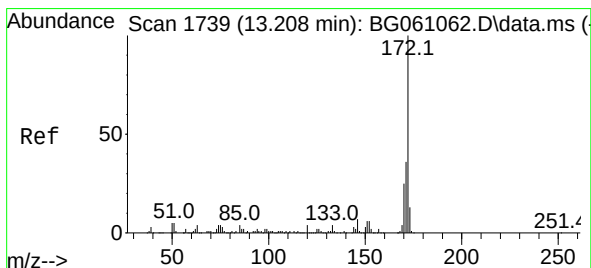
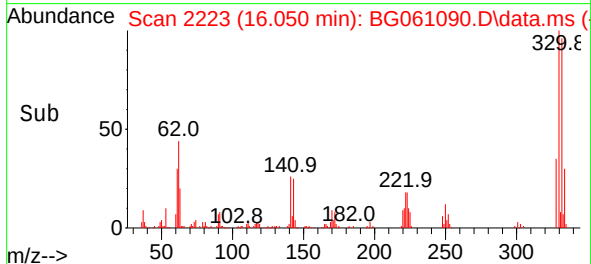
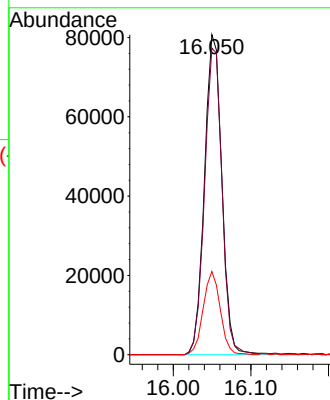
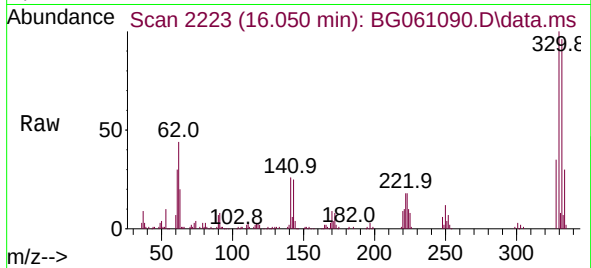
F-3(0.5-1.5)

Tgt Ion:330 Resp: 125654
Ion Ratio Lower Upper
330 100
332 96.1 78.6 117.8
141 25.5 20.5 30.7

Manual Integrations

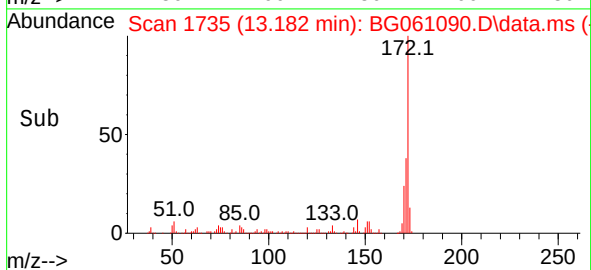
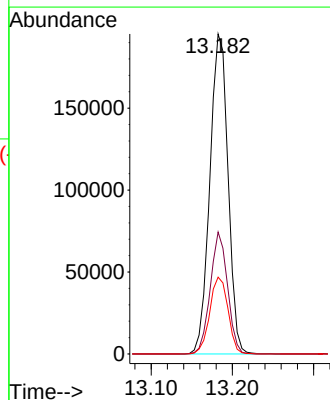
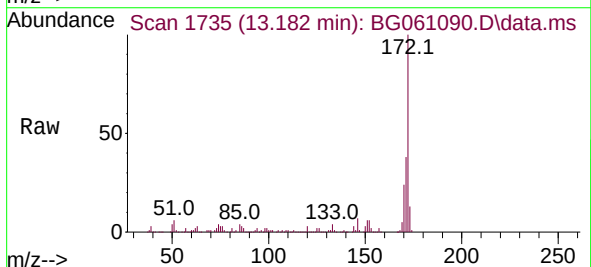
APPROVED

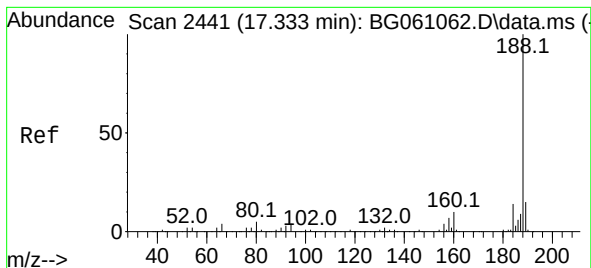
Reviewed By :Yogesh Patel 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



#45
2-Fluorobiphenyl
Concen: 55.818 ng
RT: 13.182 min Scan# 1735
Delta R.T. -0.026 min
Lab File: BG061090.D
Acq: 2 May 2024 12:40

Tgt Ion:172 Resp: 302812
Ion Ratio Lower Upper
172 100
171 38.1 29.0 43.6
170 24.0 20.2 30.4





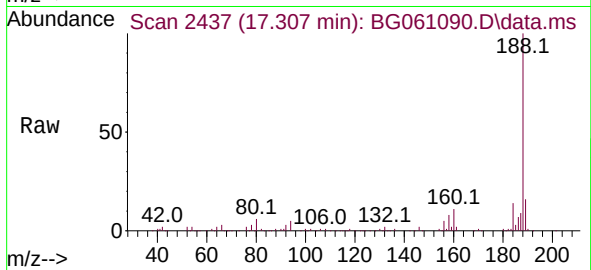
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.307 min Scan# 2441
Delta R.T. -0.026 min
Lab File: BG061090.D
Acq: 2 May 2024 12:40

Instrument :

BNA_G

ClientSampleId :

F-3(0.5-1.5)



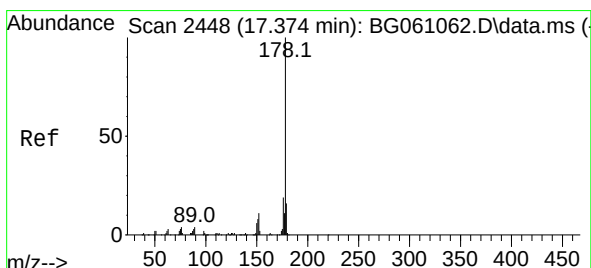
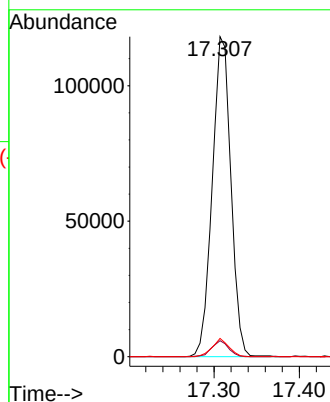
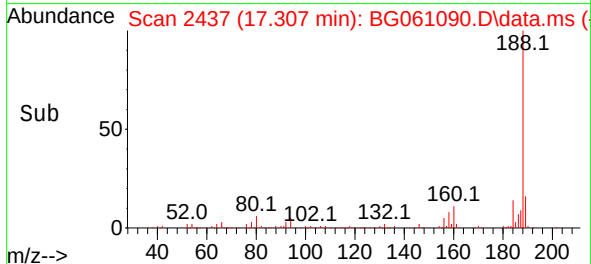
Tgt Ion:188 Resp: 179809
Ion Ratio Lower Upper
188 100
94 5.0 3.6 5.4
80 5.7 4.2 6.2

Manual Integrations

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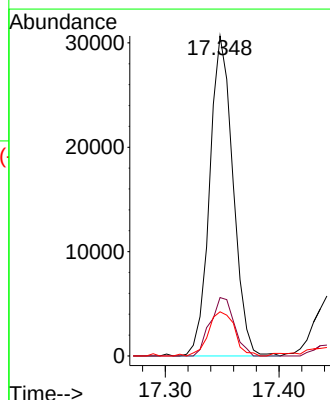
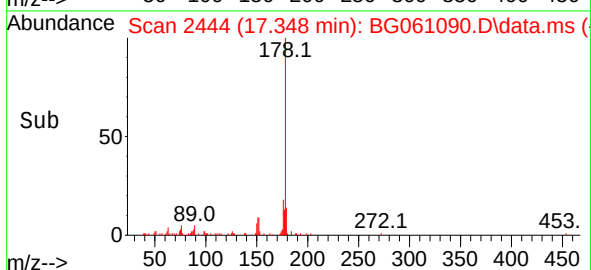
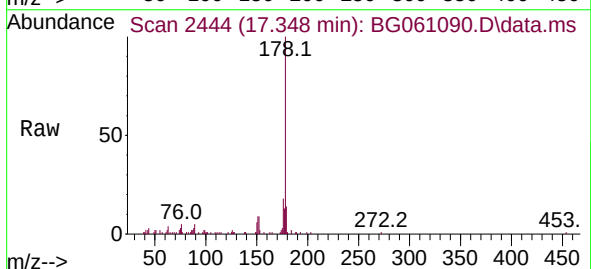
Reviewed By :Yogesh Patel 05/03/2024

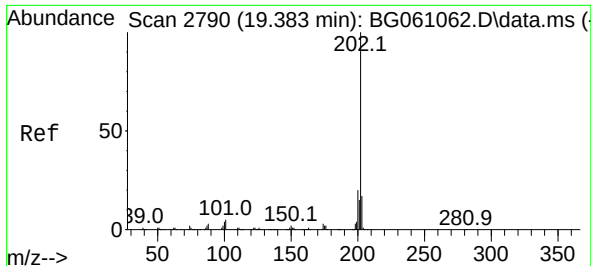
Supervised By :mohammad ahmed 05/06/2024



#71
Phenanthrene
Concen: 5.323 ng
RT: 17.348 min Scan# 2444
Delta R.T. -0.026 min
Lab File: BG061090.D
Acq: 2 May 2024 12:40

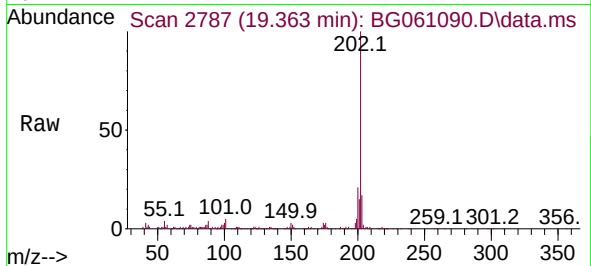
Tgt Ion:178 Resp: 43761
Ion Ratio Lower Upper
178 100
176 18.2 15.5 23.3
179 13.8 12.6 19.0





#75
Fluoranthene
Concen: 9.363 ng
RT: 19.363 min Scan# 21
Delta R.T. -0.020 min
Lab File: BG061090.D
Acq: 2 May 2024 12:40

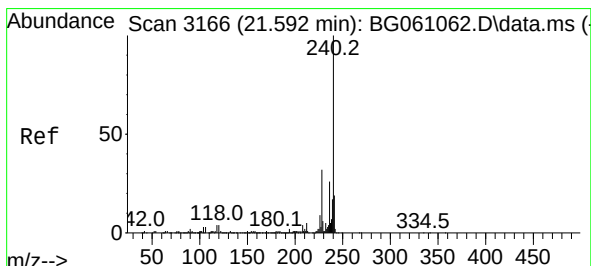
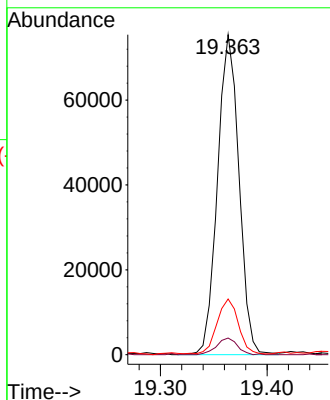
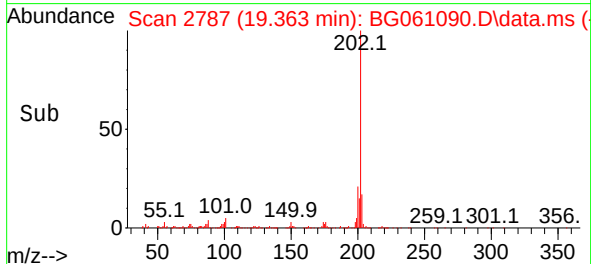
Instrument :
BNA_G
ClientSampleId :
F-3(0.5-1.5)



Tgt Ion:202 Resp: 105462
Ion Ratio Lower Upper
202 100
101 5.2 0.0 24.7
203 17.4 0.0 37.1

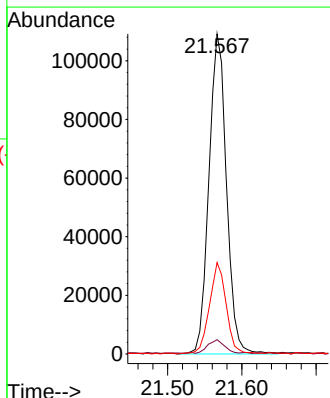
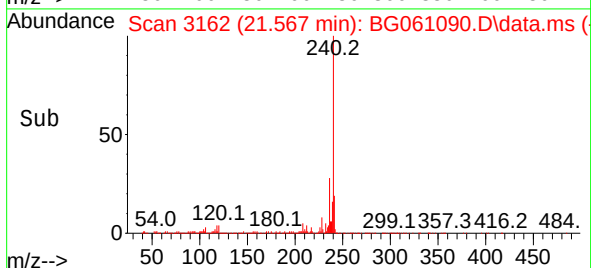
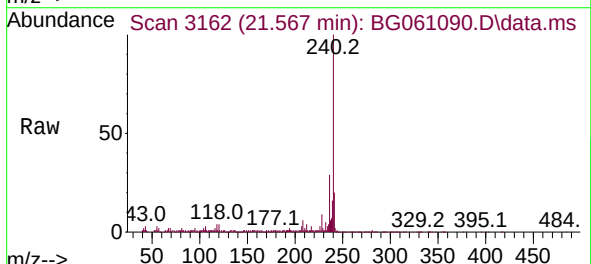
Manual Integrations
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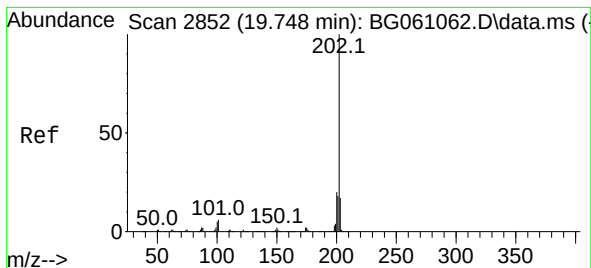
Reviewed By :Yogesh Patel 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.567 min Scan# 3162
Delta R.T. -0.026 min
Lab File: BG061090.D
Acq: 2 May 2024 12:40

Tgt Ion:240 Resp: 179786
Ion Ratio Lower Upper
240 100
120 4.5 3.2 4.8
236 28.6 21.0 31.6





#78

Pyrene

Concen: 8.301 ng

RT: 19.728 min Scan# 2849

Delta R.T. -0.020 min

Lab File: BG061090.D

Acq: 2 May 2024 12:40

Instrument :

BNA_G

ClientSampleId :

F-3(0.5-1.5)

Tgt Ion:202 Resp: 9488

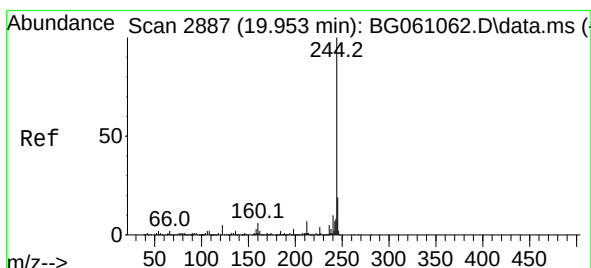
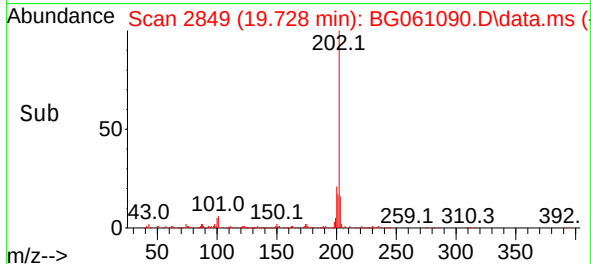
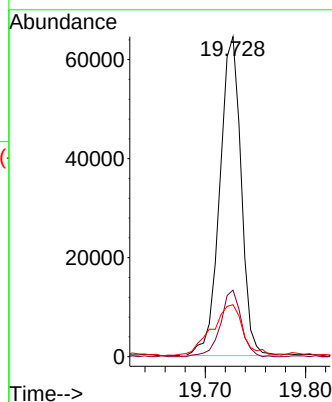
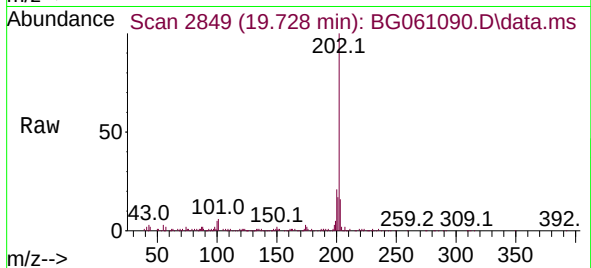
Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.2	24.4
203	16.2	13.3	19.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/03/2024

Supervised By :mohammad ahmed 05/06/2024



#79

Terphenyl-d14

Concen: 46.201 ng

RT: 19.927 min Scan# 2883

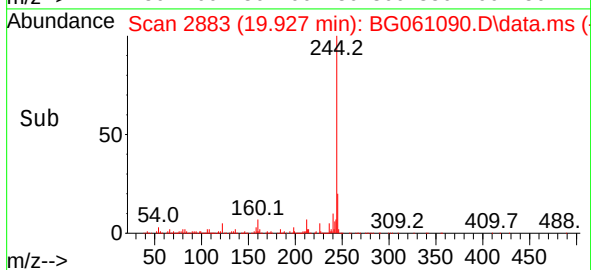
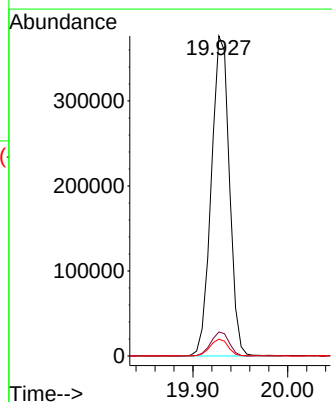
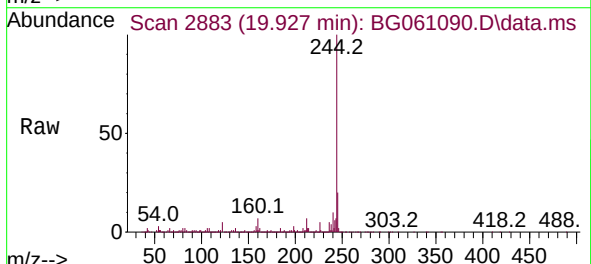
Delta R.T. -0.026 min

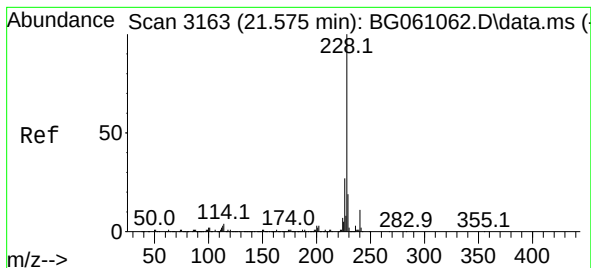
Lab File: BG061090.D

Acq: 2 May 2024 12:40

Tgt Ion:244 Resp: 499438

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.7	8.5
122	5.3	4.2	6.2





#81

Benzo(a)anthracene

Concen: 4.750 ng

RT: 21.549 min Scan# 3159

Delta R.T. -0.026 min

Lab File: BG061090.D

Acq: 2 May 2024 12:40

Instrument :

BNA_G

ClientSampleId :

F-3(0.5-1.5)

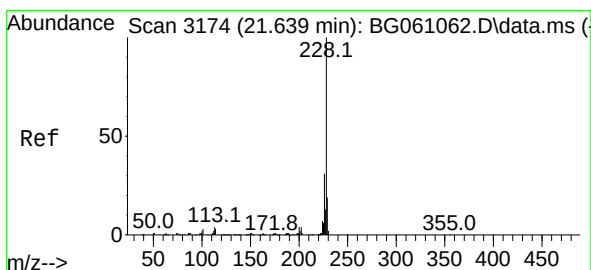
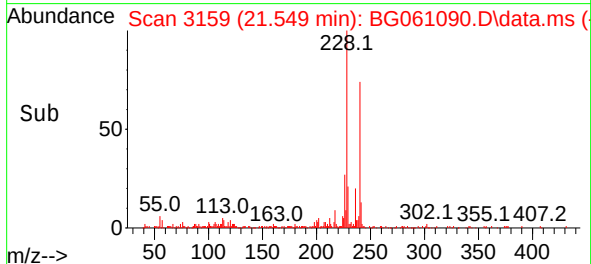
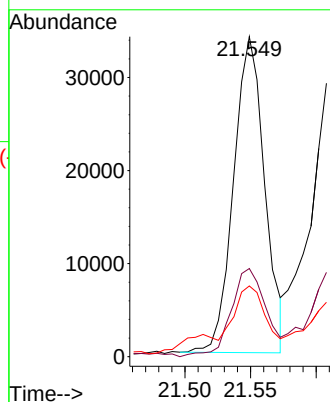
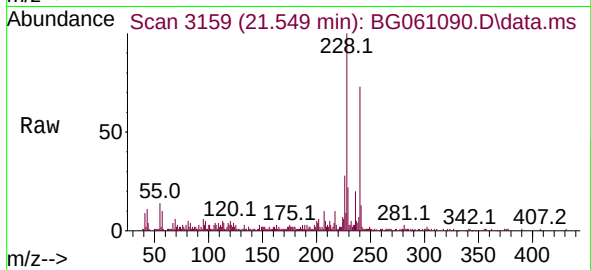
Tgt Ion:	228	Resp:	5588
Ion Ratio	Lower	Upper	
228	100		
226	27.6	21.6	32.4
229	22.1	15.0	22.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/03/2024

Supervised By :mohammad ahmed 05/06/2024



#83

Chrysene

Concen: 5.718 ng m

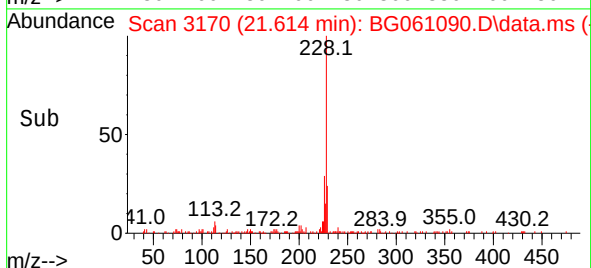
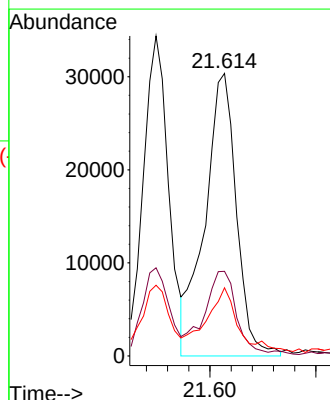
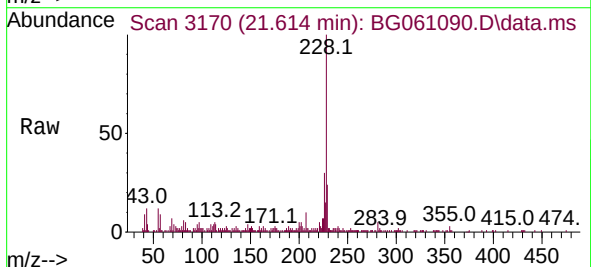
RT: 21.614 min Scan# 3170

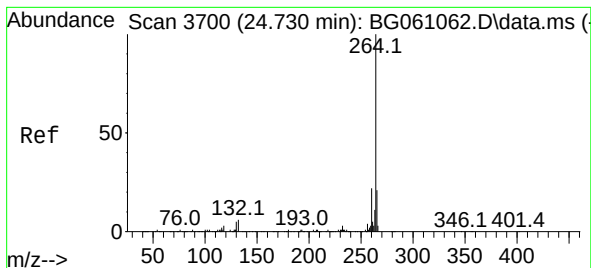
Delta R.T. -0.026 min

Lab File: BG061090.D

Acq: 2 May 2024 12:40

Tgt Ion:	228	Resp:	63029
Ion Ratio	Lower	Upper	
228	100		
226	29.9	24.4	36.6
229	24.1	14.8	22.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.692 min Scan# 3

Delta R.T. -0.038 min

Lab File: BG061090.D

Acq: 2 May 2024 12:40

Instrument :

BNA_G

ClientSampleId :

F-3(0.5-1.5)

Tgt Ion:264 Resp: 187050

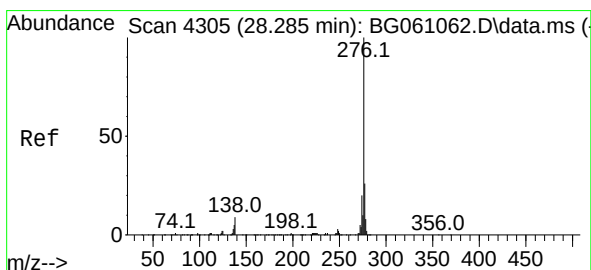
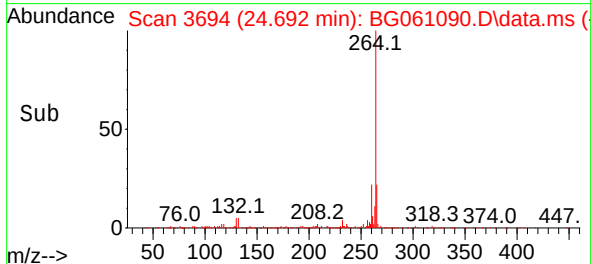
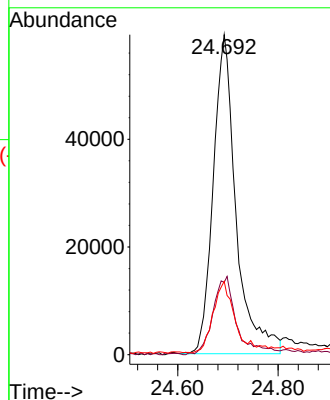
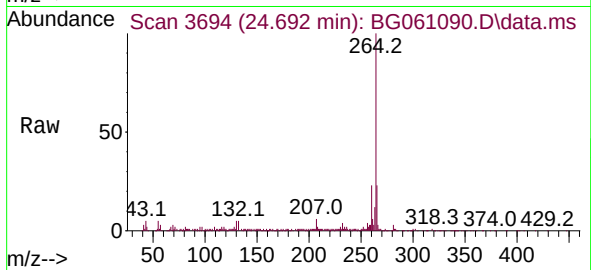
Ion	Ratio	Lower	Upper
264	100		
260	22.6	17.7	26.5
265	22.9	16.4	24.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/03/2024

Supervised By :mohammad ahmed 05/06/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.715 ng m

RT: 28.224 min Scan# 4295

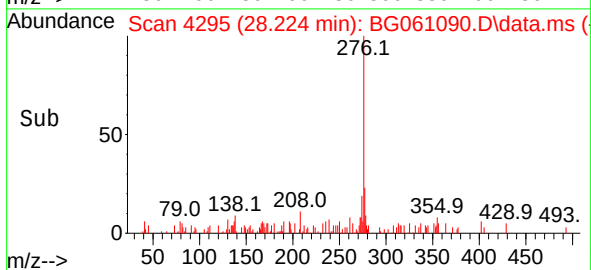
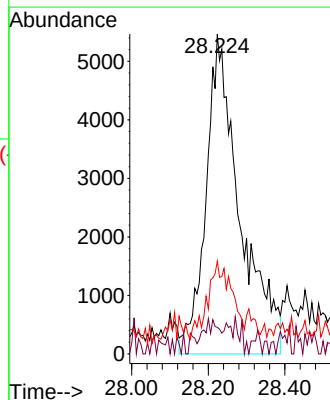
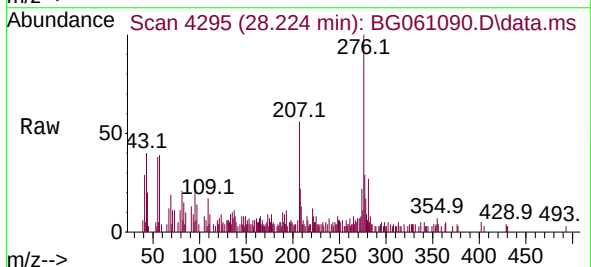
Delta R.T. -0.061 min

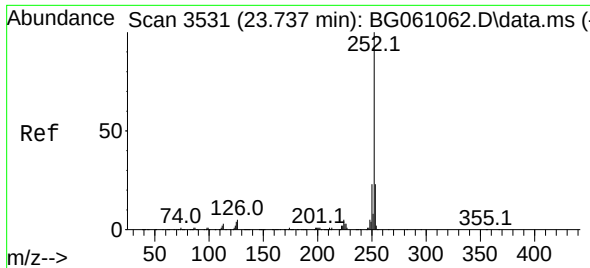
Lab File: BG061090.D

Acq: 2 May 2024 12:40

Tgt Ion:276 Resp: 33655

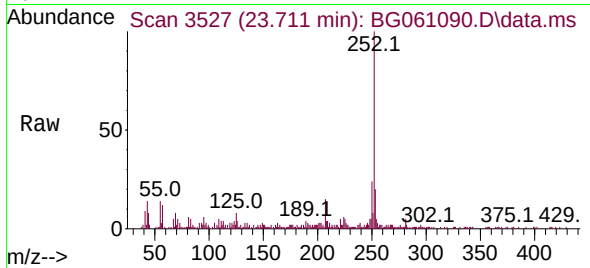
Ion	Ratio	Lower	Upper
276	100		
138	0.0	5.1	7.7#
277	17.3	20.6	30.8#





#88
Benzo(b)fluoranthene
Concen: 6.860 ng
RT: 23.711 min Scan# 3527
Delta R.T. -0.026 min
Lab File: BG061090.D
Acq: 2 May 2024 12:40

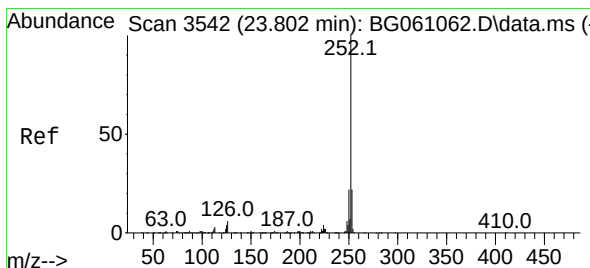
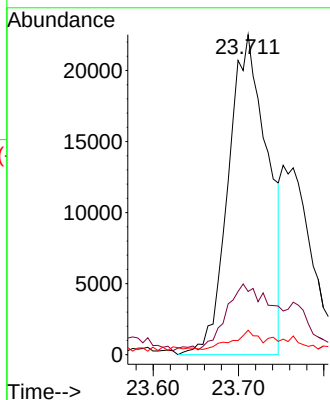
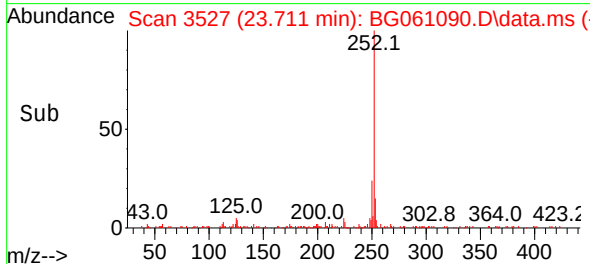
Instrument :
BNA_G
ClientSampleId :
F-3(0.5-1.5)



Tgt Ion:252 Resp: 71700
Ion Ratio Lower Upper
252 100
253 19.8 18.2 27.2
125 7.6 3.4 5.0

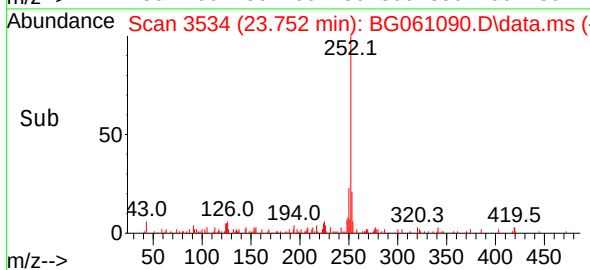
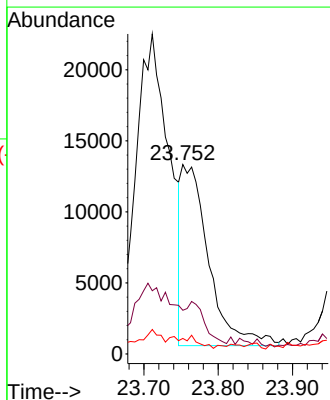
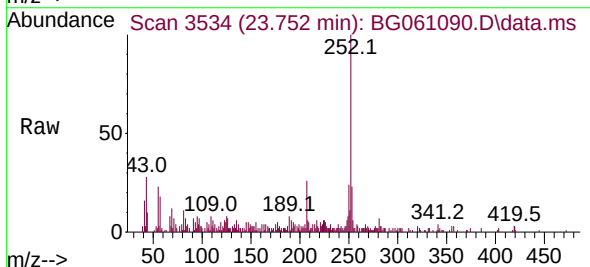
Manual Integrations
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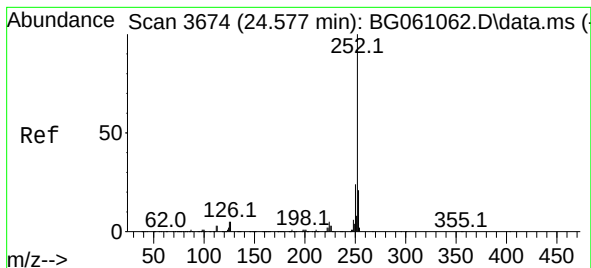
Reviewed By :Yogesh Patel 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



#89
Benzo(k)fluoranthene
Concen: 3.232 ng m
RT: 23.752 min Scan# 3534
Delta R.T. -0.049 min
Lab File: BG061090.D
Acq: 2 May 2024 12:40

Tgt Ion:252 Resp: 32499
Ion Ratio Lower Upper
252 100
253 23.0 17.3 25.9
125 8.2 3.2 4.8





#90

Benzo(a)pyrene

Concen: 4.961 ng

RT: 24.540 min Scan# 30

Delta R.T. -0.038 min

Lab File: BG061090.D

Acq: 2 May 2024 12:40

Instrument :

BNA_G

ClientSampleId :

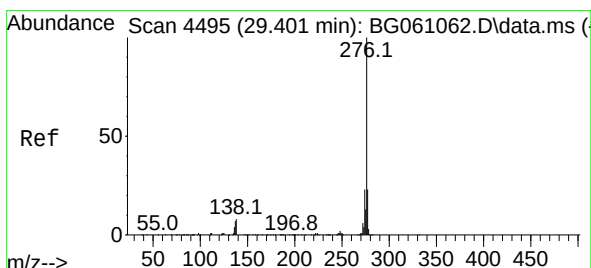
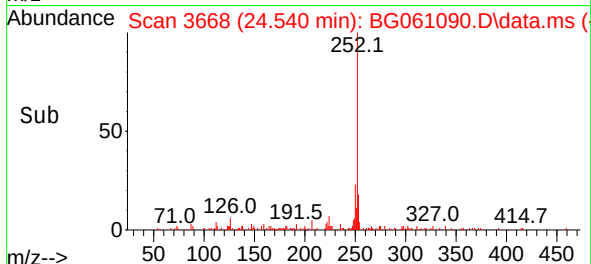
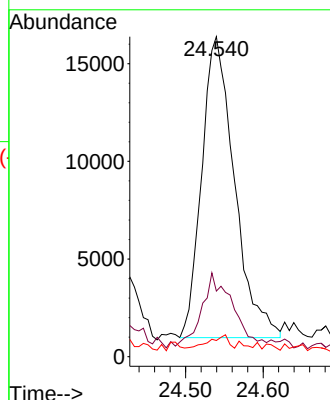
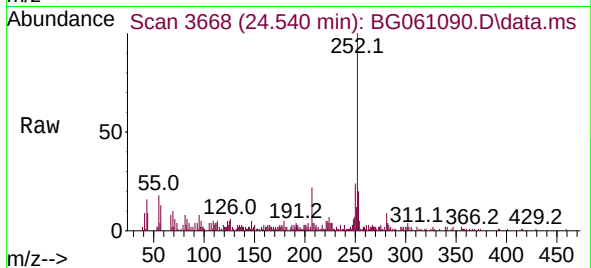
F-3(0.5-1.5)

Tgt Ion:252 Resp: 45179
 Ion Ratio Lower Upper
 252 100
 253 20.5 16.9 25.3
 125 5.1 3.8 5.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/03/2024
 Supervised By :mohammad ahmed 05/06/2024



#92

Benzo(g,h,i)perylene

Concen: 2.343 ng m

RT: 29.322 min Scan# 4482

Delta R.T. -0.079 min

Lab File: BG061090.D

Acq: 2 May 2024 12:40

Tgt Ion:276 Resp: 23903
 Ion Ratio Lower Upper
 276 100
 277 35.7 18.2 27.4#
 138 12.0 6.2 9.2#

