

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
 Data File : BG061454.D
 Acq On : 4 Jun 2024 14:07
 Operator : MA/JU
 Sample : P2590-11
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBL7

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024

Quant Time: Jun 04 23:23:11 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 30 22:54:48 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.876	152	26731	20.000	ng/u1	0.00
20) Naphthalene-d8	10.667	136	114281	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.510	164	91807	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.265	188	222989	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.525	240	242221	20.000	ng/u1	0.01
88) Perylene-d12	24.621	264	279424	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.329	96	1765	3.695	ng/uL	0.00
4) Pyridine-d5	3.740	84	16379	9.639	ng/u1	0.00
7) Phenol-d5	7.065	99	47009	21.415	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.200	67	29715	21.536	ng/u1	0.00
11) 2-Chlorophenol-d4	7.412	132	38090	23.446	ng/u1	0.00
15) 4-Methylphenol-d8	8.599	113	39425	21.063	ng/u1	0.00
21) Nitrobenzene-d5	9.034	128	21941	24.936	ng/u1	0.00
24) 2-Nitrophenol-d4	9.750	143	24956	24.235	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.309	165	50407	25.109	ng/u1	0.00
31) 4-Chloroaniline-d4	10.808	131	33013	12.570	ng/u1	0.00
46) Dimethylphthalate-d6	13.916	166	168284	23.634	ng/u1	0.00
49) Acenaphthylene-d8	14.204	160	180558	24.391	ng/u1	0.00
54) 4-Nitrophenol-d4	14.762	143	14519m	16.493	ng/u1	0.02
60) Fluorene-d10	15.508	176	147924	24.063	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.655	200	24481	18.152	ng/u1	0.02
73) Anthracene-d10	17.365	188	254516	25.889	ng/u1	0.00
81) Pyrene-d10	19.662	212	324150	26.063	ng/u1	0.01
92) Benzo(a)pyrene-d12	24.410	264	356787	26.559	ng/u1	0.02
Target Compounds					Qvalue	
30) Naphthalene	10.720	128	30707	5.091	ng/u1	99
36) 2-Methylnaphthalene	12.330	142	22958	5.248	ng/u1	93
37) 1-Methylnaphthalene	12.547	142	19043	4.242	ng/u1	90
43) 1,1'-Biphenyl	13.340	154	8833	1.488	ng/u1#	85
50) Acenaphthylene	14.233	152	13108m	1.597	ng/u1	
52) Acenaphthene	14.574	153	46909	8.711	ng/u1	99
56) Dibenzofuran	14.909	168	62869	8.166	ng/u1	96
61) Fluorene	15.561	166	72193	10.837	ng/u1	98
72) Phenanthrene	17.312	178	1175007	108.566	ng/u1	98
74) Anthracene	17.400	178	256101	22.886	ng/u1	99
77) Carbazole	17.671	167	82496	9.064	ng/u1	98
80) Fluoranthene	19.327	202	1615712	108.293	ng/u1	99
82) Pyrene	19.692	202	1450480	93.659	ng/u1	100
85) Benzo(a)anthracene	21.507	228	803703	48.087	ng/u1	96
87) Chrysene	21.572	228	761879	49.507	ng/u1	96
90) Benzo(b)fluoranthene	23.652	252	894350	53.757	ng/u1	100
91) Benzo(k)fluoranthene	23.705	252	310057m	18.358	ng/u1	
93) Benzo(a)pyrene	24.486	252	654977	41.460	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	28.147	276	432523	22.640	ng/u1	98
95) Dibenzo(a,h)anthracene	28.164	278	114877	7.293	ng/u1#	89
96) Benzo(g,h,i)perylene	29.233	276	357339	23.512	ng/u1	97

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

Instrument :

BNA_G

ClientSampleId :

BHBL7

Manual Integrations**APPROVED**

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Supervised By :mohammad ahmed 06/07/2024

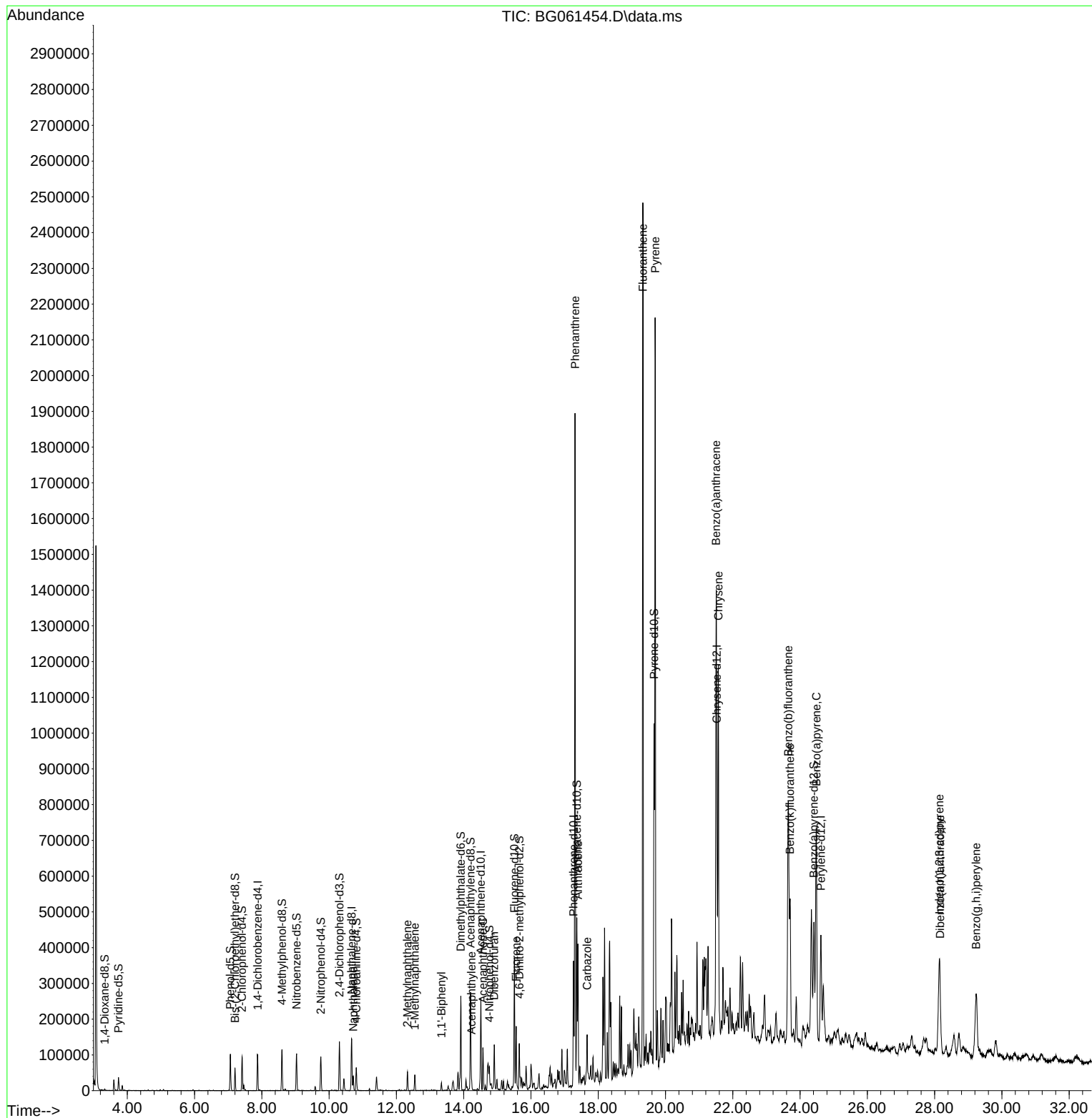
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
 Data File : BG061454.D
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 Operator : MA/JU
 Sample : P2590-11
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 ALS Vial : 6 Sample Multiplier: 1

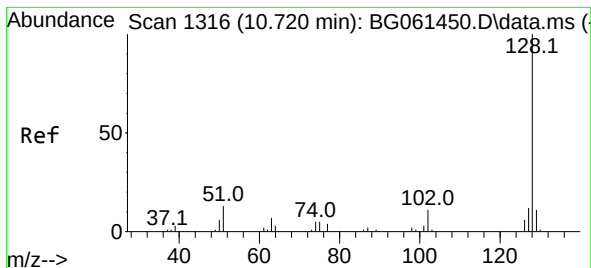
Instrument :
 BNA_G
 ClientSampleId :
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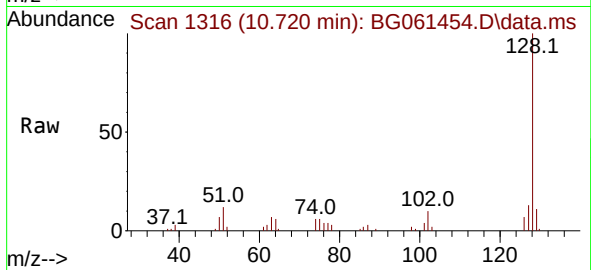
Quant Time: Jun 04 23:23:11 2024
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 Quant Title : SVOA CALIBRATION
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#30
Naphthalene
Concen: 5.091 ng/ul
RT: 10.720 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG061454.D
Acq: 4 Jun 2024 14:07

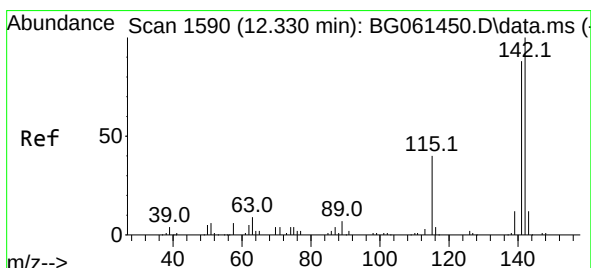
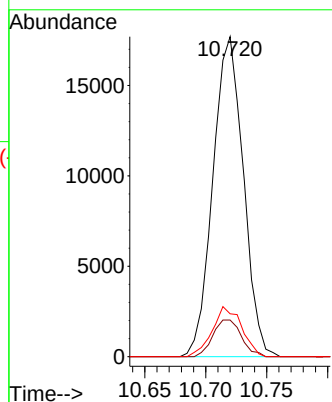
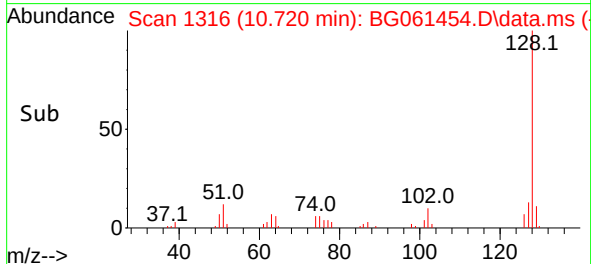
Instrument :
BNA_G
ClientSampleId :
BHBL7



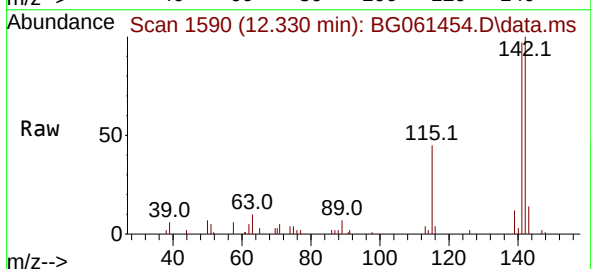
Tgt Ion:128 Resp: 3070
Ion Ratio Lower Upper
128 100
129 11.4 8.6 12.8
127 13.4 10.8 16.2

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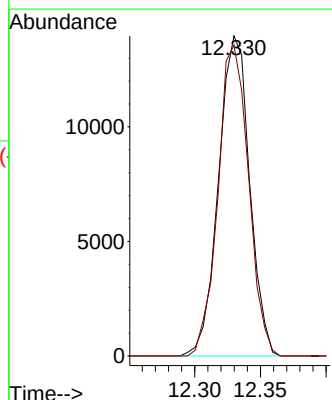
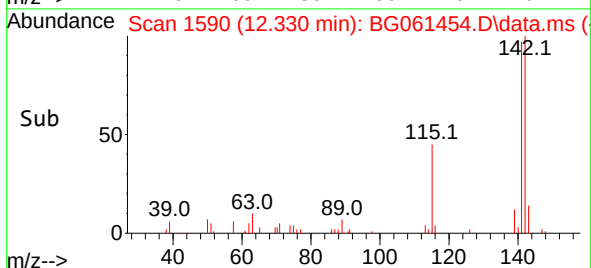
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

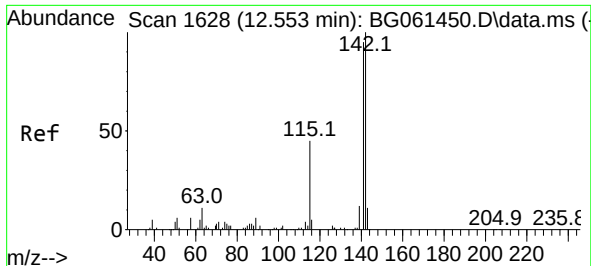


#36
2-Methylnaphthalene
Concen: 5.248 ng/ul
RT: 12.330 min Scan# 1590
Delta R.T. 0.001 min
Lab File: BG061454.D
Acq: 4 Jun 2024 14:07



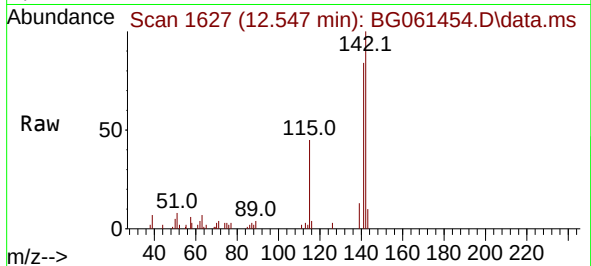
Tgt Ion:142 Resp: 22958
Ion Ratio Lower Upper
142 100
141 97.1 72.2 108.2





#37
1-Methylnaphthalene
Concen: 4.242 ng/ul
RT: 12.547 min Scan# 1627
Delta R.T. 0.001 min
Lab File: BG061454.D
Acq: 4 Jun 2024 14:07

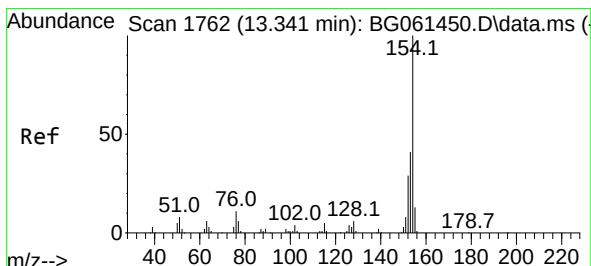
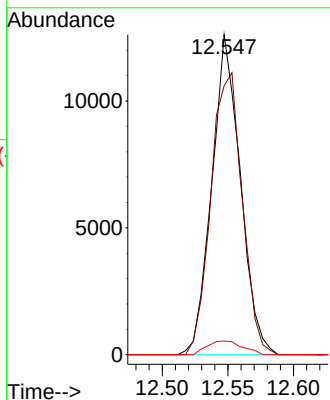
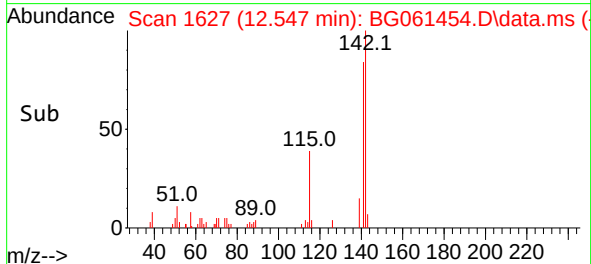
Instrument :
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Ion Ratio Lower Upper
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141 84.0 75.5 113.3
116 4.2 4.0 6.0

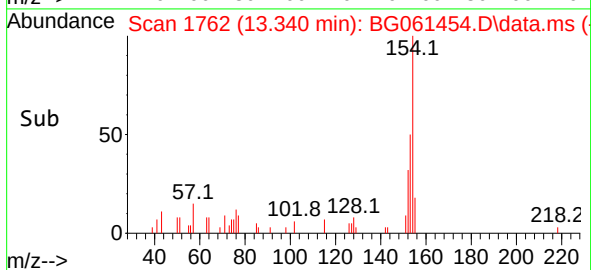
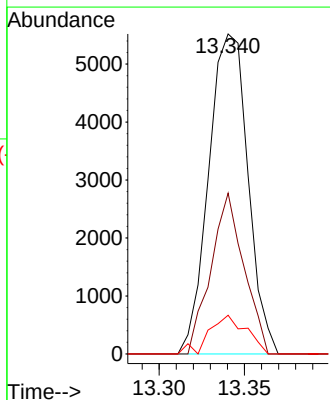
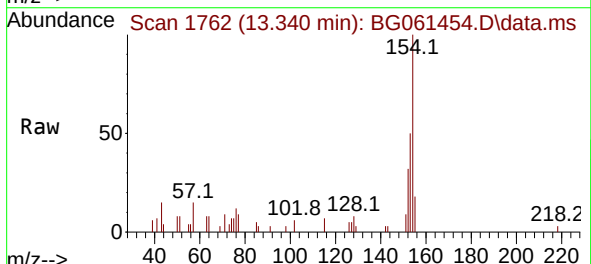
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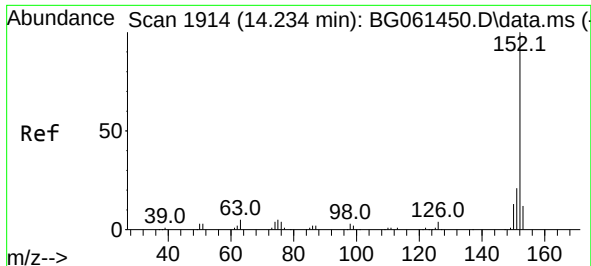
Reviewed By :Jagrut Upadhyay 06/05/2024
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#43
1,1'-Biphenyl
Concen: 1.488 ng/ul
RT: 13.340 min Scan# 1762
Delta R.T. 0.001 min
Lab File: BG061454.D
Acq: 4 Jun 2024 14:07

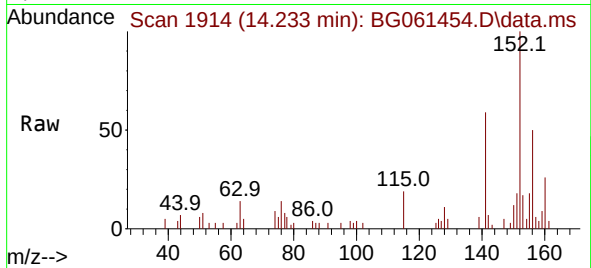
Tgt Ion:154 Resp: 8833
Ion Ratio Lower Upper
154 100
153 50.2 31.2 46.8#
76 12.1 8.5 12.7





#50
Acenaphthylene
Concen: 1.597 ng/ul m
RT: 14.233 min Scan# 1914
Delta R.T. 0.001 min
Lab File: BG061454.D
Acq: 4 Jun 2024 14:07

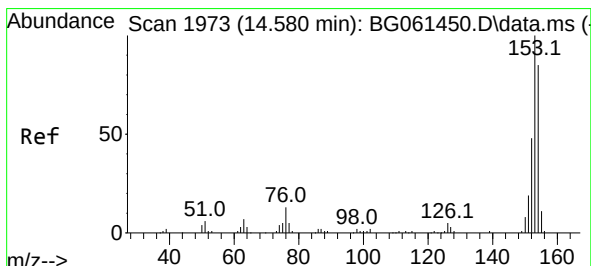
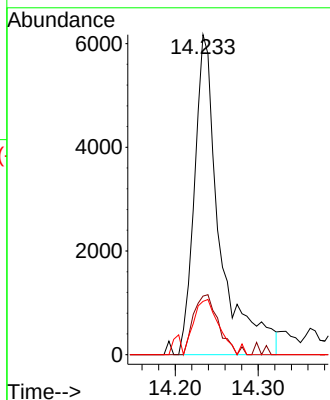
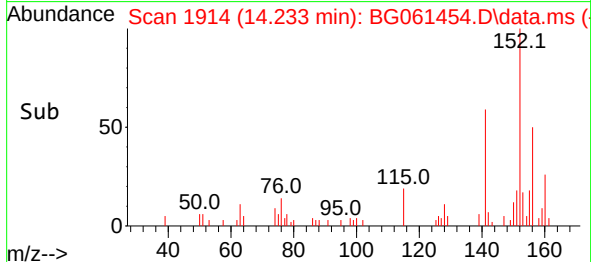
Instrument :
BNA_G
ClientSampleId :
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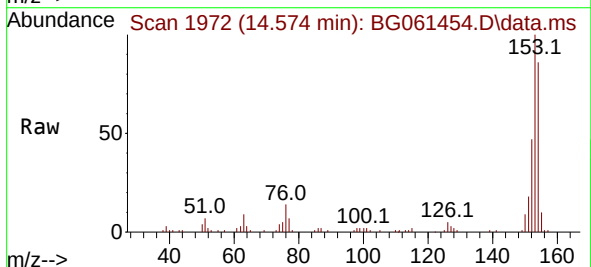
Tgt Ion:152 Resp: 13108
Ion Ratio Lower Upper
152 100
151 18.3 16.2 24.2
153 16.6 10.2 15.4

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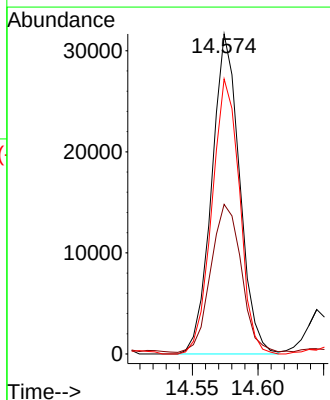
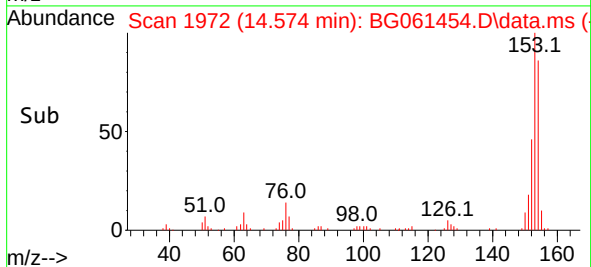
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

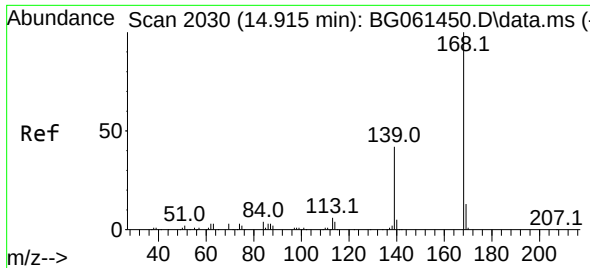


#52
Acenaphthene
Concen: 8.711 ng/ul
RT: 14.574 min Scan# 1972
Delta R.T. 0.001 min
Lab File: BG061454.D
Acq: 4 Jun 2024 14:07



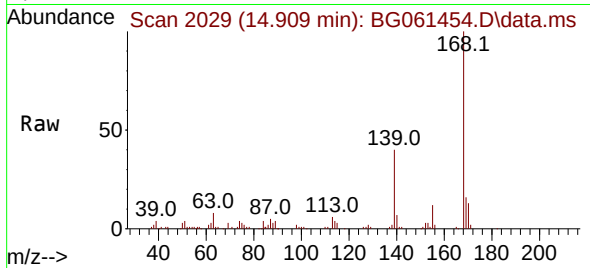
Tgt Ion:153 Resp: 46909
Ion Ratio Lower Upper
153 100
152 46.8 37.8 56.8
154 85.9 69.0 103.6





#56
Dibenzenofuran
Concen: 8.166 ng/ul
RT: 14.909 min Scan# 2030
Delta R.T. 0.001 min
Lab File: BG061454.D
Acq: 4 Jun 2024 14:07

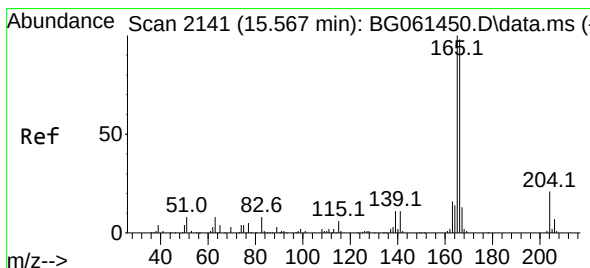
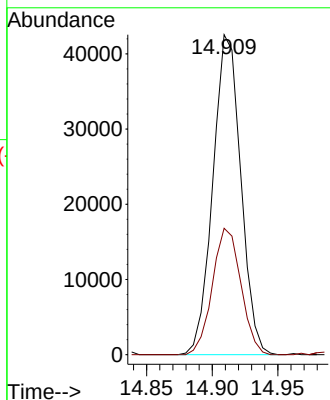
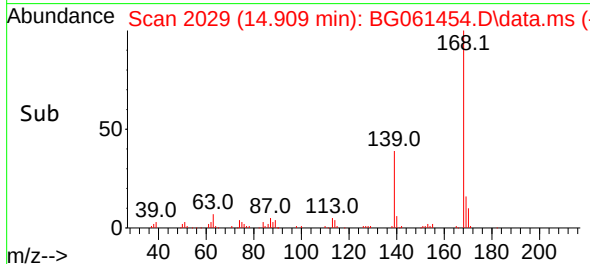
Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:168 Resp: 62869
Ion Ratio Lower Upper
168 100
139 39.5 33.4 50.2

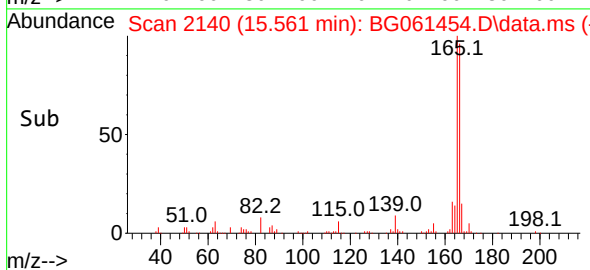
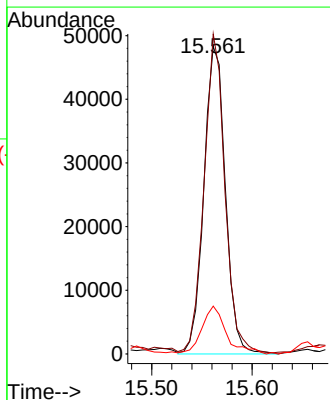
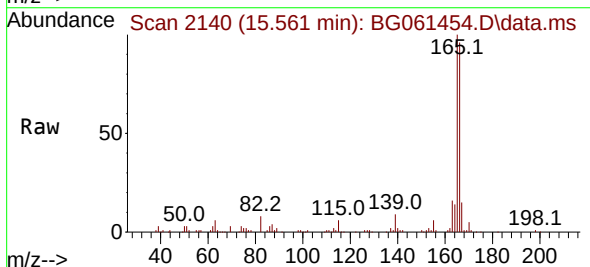
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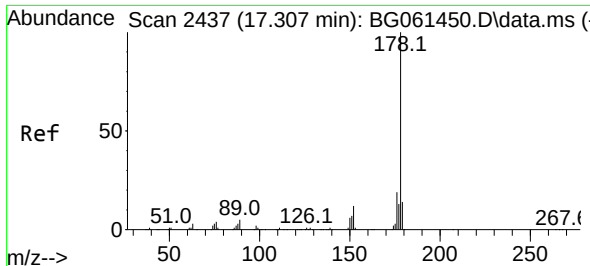
Reviewed By :Jagrut Upadhyay 06/05/2024
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#61
Fluorene
Concen: 10.837 ng/ul
RT: 15.561 min Scan# 2140
Delta R.T. 0.001 min
Lab File: BG061454.D
Acq: 4 Jun 2024 14:07

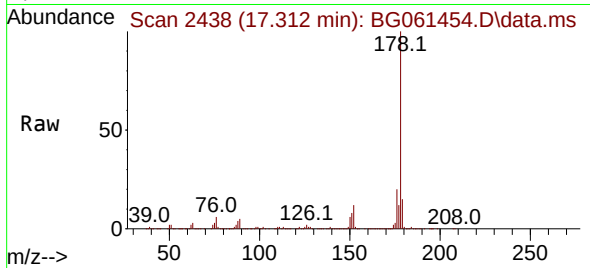
Tgt Ion:166 Resp: 72193
Ion Ratio Lower Upper
166 100
165 104.0 81.8 122.8
167 15.6 10.6 16.0





#72
Phenanthrene
Concen: 108.566 ng/uI
RT: 17.312 min Scan# 2438
Delta R.T. 0.013 min
Lab File: BG061454.D
Acq: 4 Jun 2024 14:07

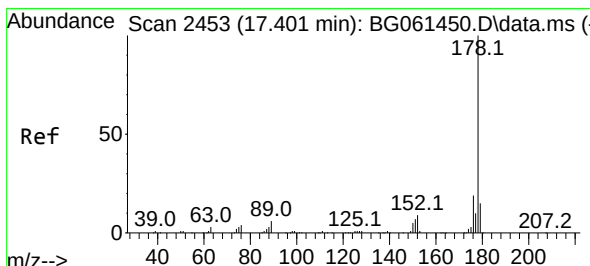
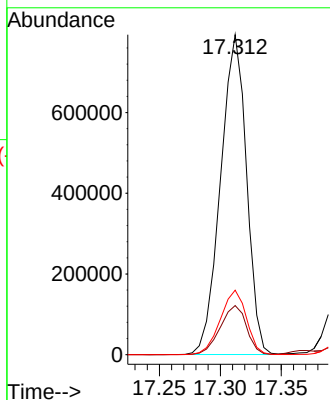
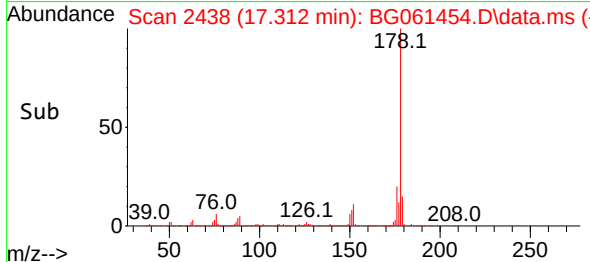
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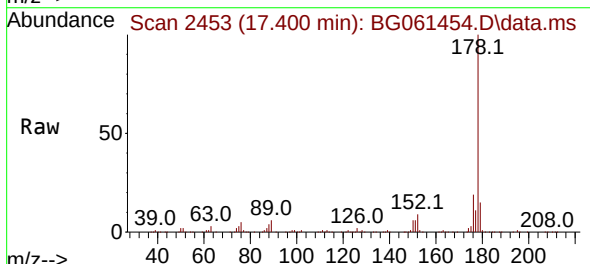
Tgt Ion:178 Resp: 117500
Ion Ratio Lower Upper
178 100
179 15.3 12.7 19.1
176 20.2 15.5 23.3

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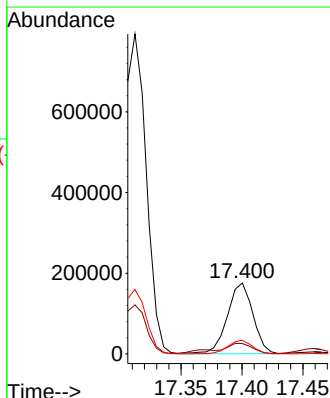
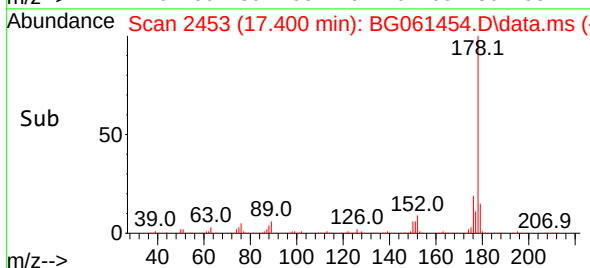
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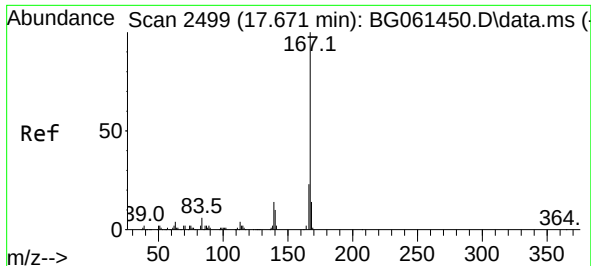


#74
Anthracene
Concen: 22.886 ng/uI
RT: 17.400 min Scan# 2453
Delta R.T. 0.007 min
Lab File: BG061454.D
Acq: 4 Jun 2024 14:07



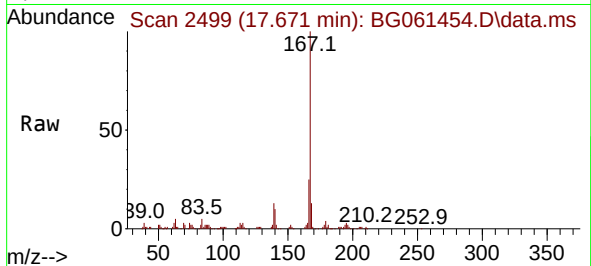
Tgt Ion:178 Resp: 256101
Ion Ratio Lower Upper
178 100
179 14.6 11.8 17.6
176 19.4 14.9 22.3





#77
 Carbazole
 Concen: 9.064 ng/ul
 RT: 17.671 min Scan# 2499
 Delta R.T. 0.007 min
 Lab File: BG061454.D
 Acq: 4 Jun 2024 14:07

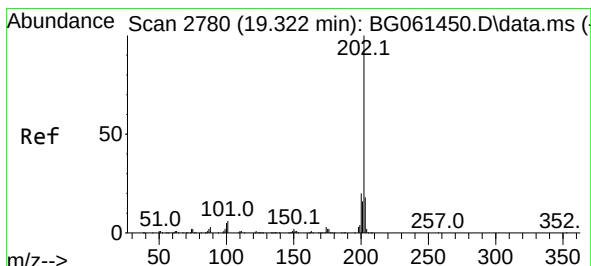
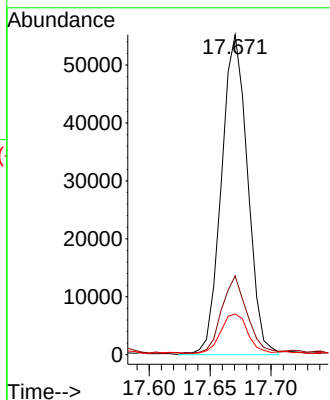
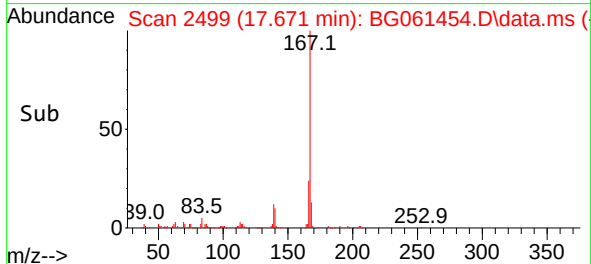
Instrument :
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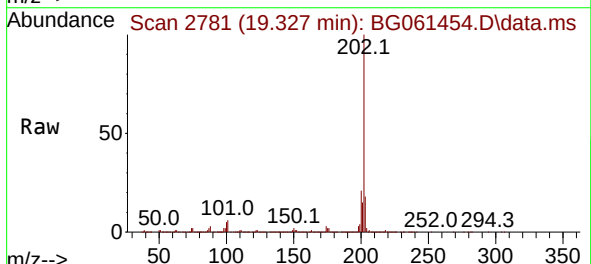
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 Ion Ratio Lower Upper
 167 100
 166 24.6 18.6 28.0
 139 12.7 10.6 15.8

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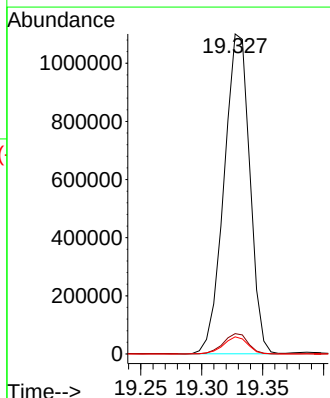
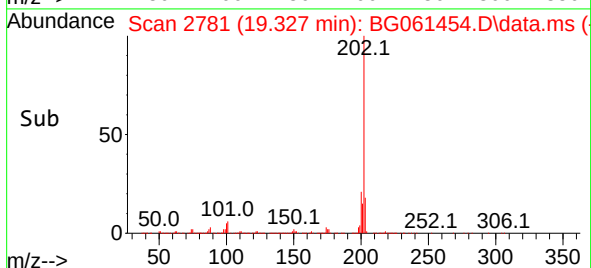
Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024

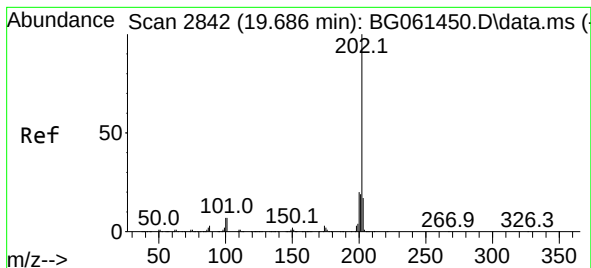


#80
 Fluoranthene
 Concen: 108.293 ng/ul
 RT: 19.327 min Scan# 2781
 Delta R.T. 0.013 min
 Lab File: BG061454.D
 Acq: 4 Jun 2024 14:07



Tgt Ion:202 Resp: 1615712
 Ion Ratio Lower Upper
 202 100
 101 6.3 4.8 7.2
 100 5.3 4.1 6.1





#82

Pyrene

Concen: 93.659 ng/ul

RT: 19.692 min Scan# 21

Delta R.T. 0.013 min

Lab File: BG061454.D

Acq: 4 Jun 2024 14:07

Instrument :

BNA_G

ClientSampleId :

BHBL7

Tgt Ion:202 Resp: 1450480

Ion Ratio Lower Upper

202 100

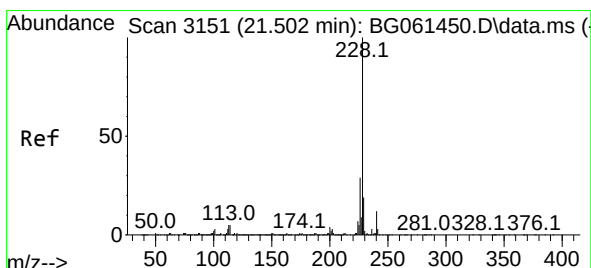
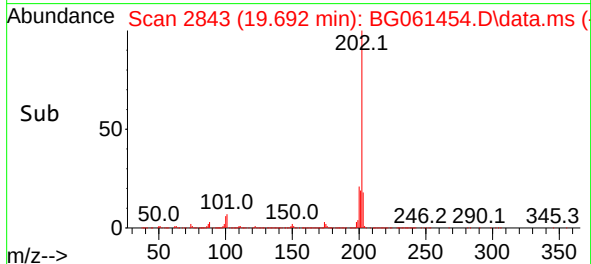
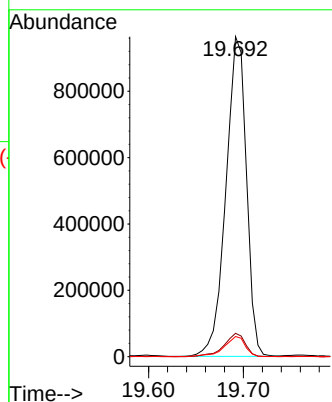
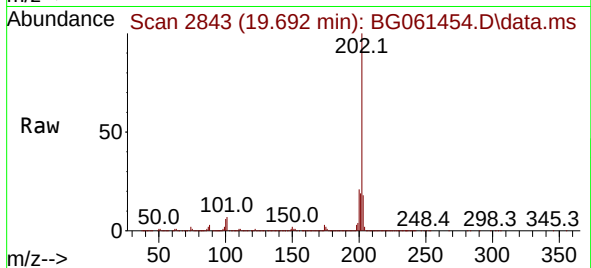
101 7.3 5.7 8.5

100 6.3 5.1 7.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#85

Benzo(a)anthracene

Concen: 48.087 ng/ul

RT: 21.507 min Scan# 3152

Delta R.T. 0.013 min

Lab File: BG061454.D

Acq: 4 Jun 2024 14:07

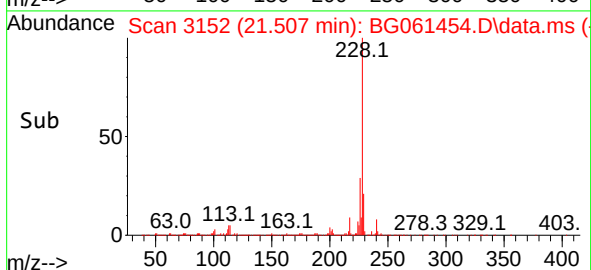
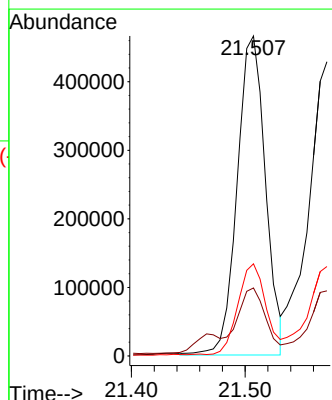
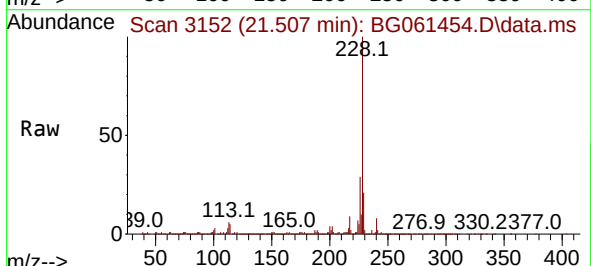
Tgt Ion:228 Resp: 803703

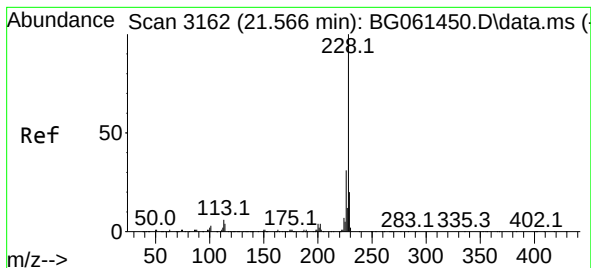
Ion Ratio Lower Upper

228 100

229 21.2 15.2 22.8

226 28.8 21.4 32.2





#87

Chrysene

Concen: 49.507 ng/ul

RT: 21.572 min Scan# 3163

Delta R.T. 0.019 min

Lab File: BG061454.D

Acq: 4 Jun 2024 14:07

Instrument :

BNA_G

ClientSampleId :

BHBL7

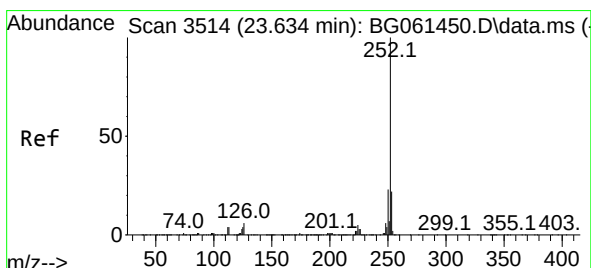
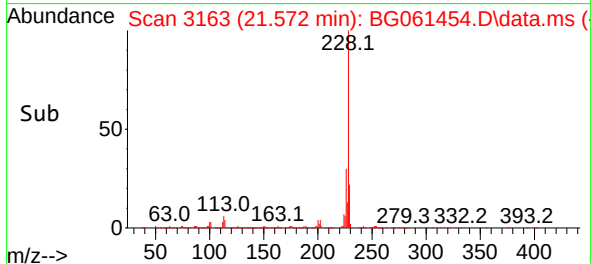
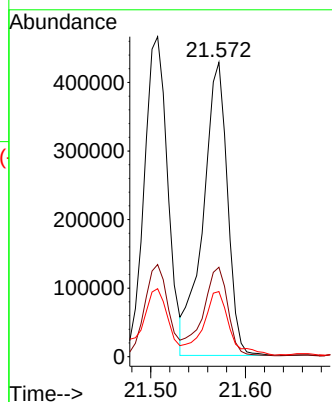
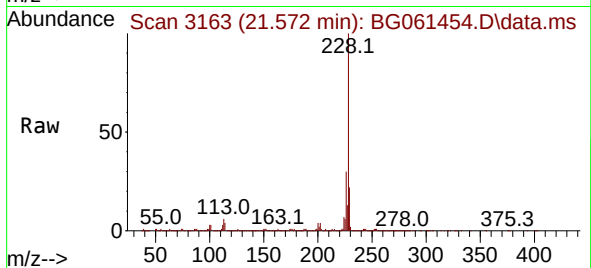
Tgt Ion:228 Resp: 761879

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.4	35.0
229	22.1	15.4	23.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#90

Benzo(b)fluoranthene

Concen: 53.757 ng/ul

RT: 23.652 min Scan# 3517

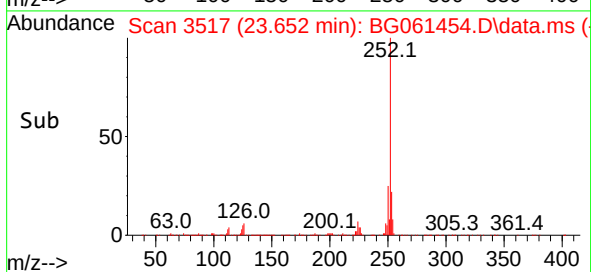
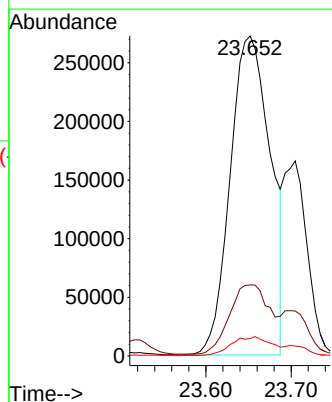
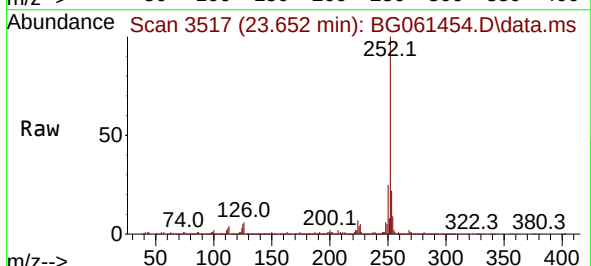
Delta R.T. 0.036 min

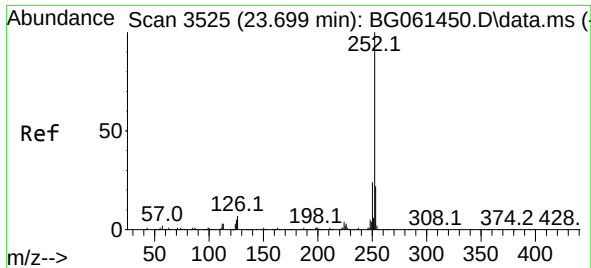
Lab File: BG061454.D

Acq: 4 Jun 2024 14:07

Tgt Ion:252 Resp: 894350

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	5.5	4.6	6.8





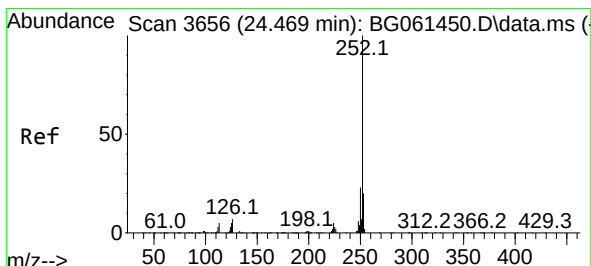
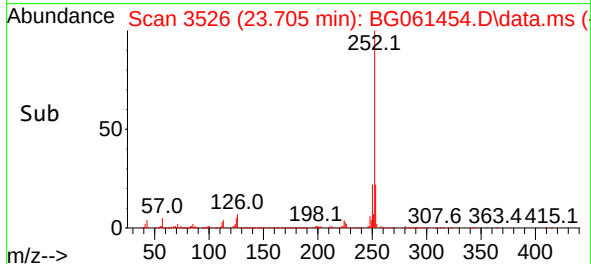
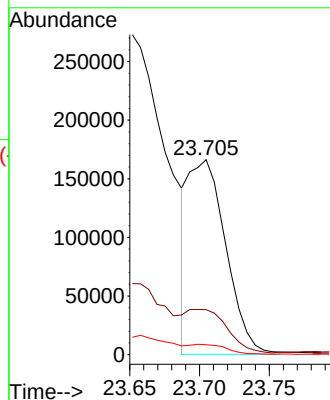
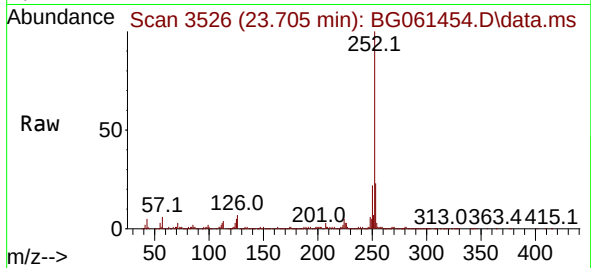
#91
Benzo(k)fluoranthene
Concen: 18.358 ng/ul m
RT: 23.705 min Scan# 31
Delta R.T. 0.025 min
Lab File: BG061454.D
Acq: 4 Jun 2024 14:07

Instrument :
BNA_G
ClientSampleId :
BHBL7

Tgt Ion:252 Resp: 31005
Ion Ratio Lower Upper
252 100
253 23.0 16.0 24.0
125 5.1 4.3 6.5

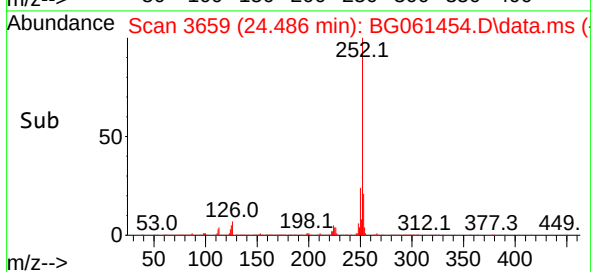
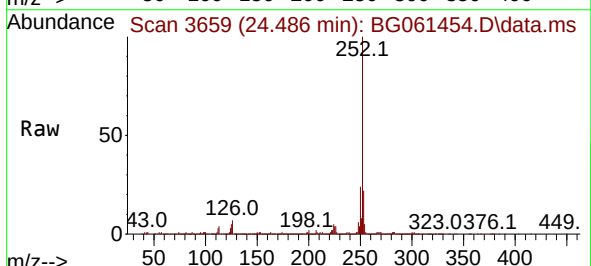
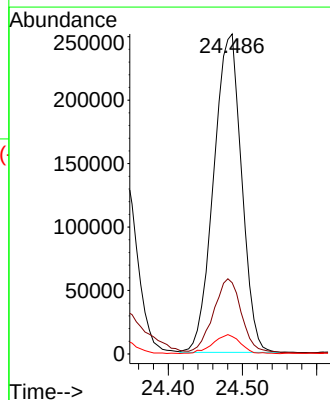
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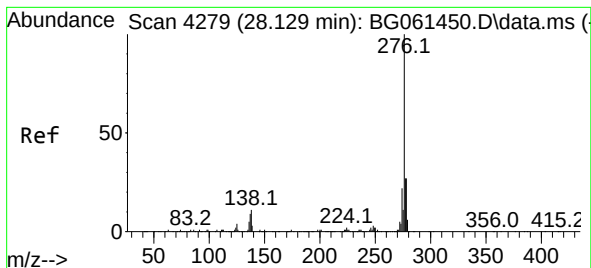
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#93
Benzo(a)pyrene
Concen: 41.460 ng/ul
RT: 24.486 min Scan# 3659
Delta R.T. 0.036 min
Lab File: BG061454.D
Acq: 4 Jun 2024 14:07

Tgt Ion:252 Resp: 654977
Ion Ratio Lower Upper
252 100
253 22.3 16.4 24.6
125 5.4 4.3 6.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 22.640 ng/ul

RT: 28.147 min Scan# 41

Delta R.T. 0.054 min

Lab File: BG061454.D

Acq: 4 Jun 2024 14:07

Instrument :

BNA_G

ClientSampleId :

BHBL7

Tgt Ion:276 Resp: 43252

Ion Ratio Lower Upper

276 100

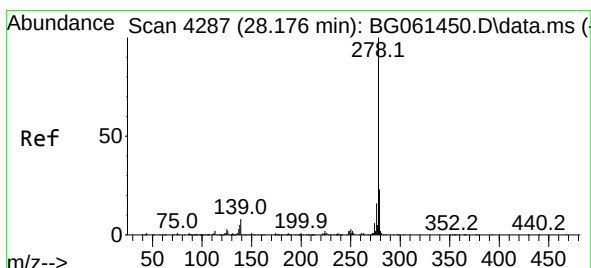
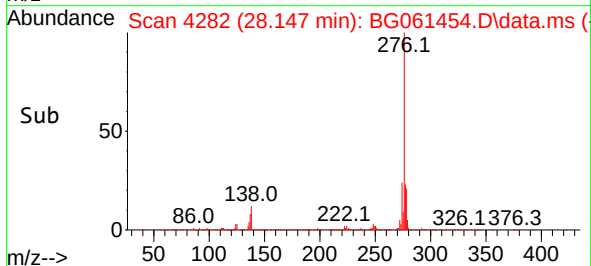
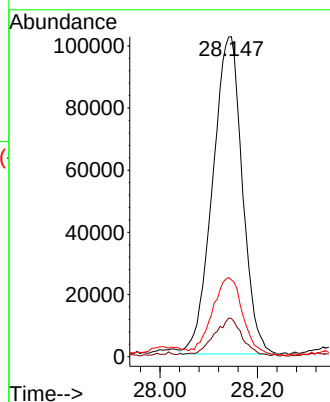
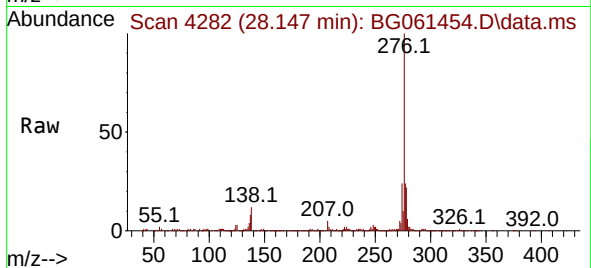
138 12.0 8.6 13.0

277 24.0 19.7 29.5

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#95

Dibenzo(a,h)anthracene

Concen: 7.293 ng/ul

RT: 28.164 min Scan# 4285

Delta R.T. 0.025 min

Lab File: BG061454.D

Acq: 4 Jun 2024 14:07

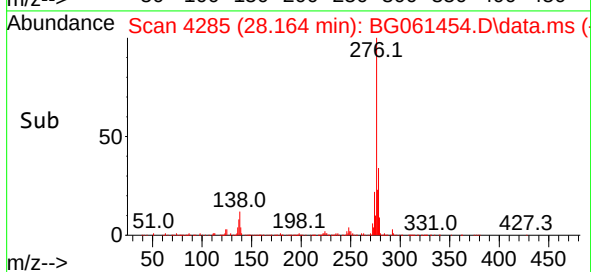
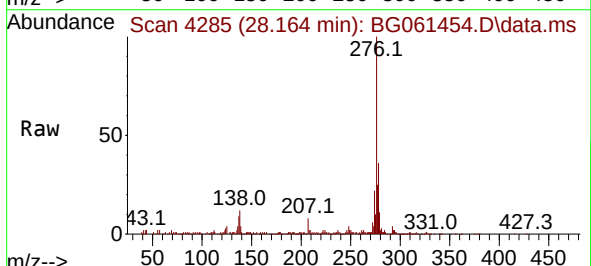
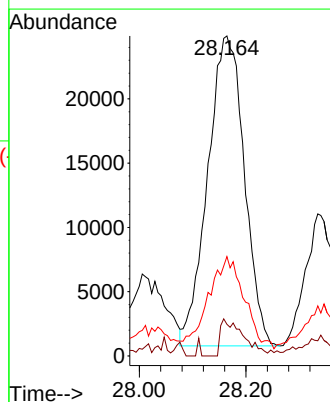
Tgt Ion:278 Resp: 114877

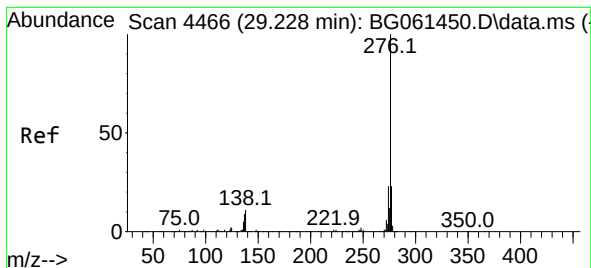
Ion Ratio Lower Upper

278 100

139 9.9 6.4 9.6#

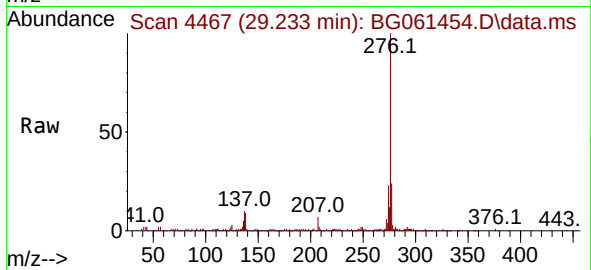
279 31.0 19.9 29.9#





#96
 Benzo(g,h,i)perylene
 Concen: 23.512 ng/ul
 RT: 29.233 min Scan# 4467
 Delta R.T. 0.060 min
 Lab File: BG061454.D
 Acq: 4 Jun 2024 14:07

Instrument :
 BNA_G
 ClientSampleId :
 BHBL7



Tgt Ion:276 Resp: 357339
 Ion Ratio Lower Upper
 276 100
 138 9.3 8.7 13.1
 277 23.8 18.2 27.2

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024

