

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
 Data File : BG061554.D
 Acq On : 8 Jun 2024 5:57
 Operator : MA/JU
 Sample : P2640-16
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4C40

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/08/2024
 Supervised By :mohammad ahmed 06/10/2024

Quant Time: Jun 08 06:37:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 06 12:15:45 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.870	152	24945	20.000	ng/u1	0.00
20) Naphthalene-d8	10.661	136	92865	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.510	164	70344	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.265	188	160188	20.000	ng/u1	0.00
79) Chrysene-d12	21.525	240	176770	20.000	ng/u1	# 0.00
88) Perylene-d12	24.627	264	204270	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.334	96	2171	4.871	ng/uL	-0.02
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.059	99	47901	23.383	ng/u1	-0.01
9) Bis-(2-Chloroethyl)eth...	7.201	67	28282	21.965	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.412	132	40614	26.789	ng/u1	0.00
15) 4-Methylphenol-d8	8.593	113	38204	21.872	ng/u1	0.00
21) Nitrobenzene-d5	9.028	128	20511	28.687	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.750	143	23403	27.968	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.303	165	47245	28.961	ng/u1	0.00
31) 4-Chloroaniline-d4	10.808	131	16374	7.672	ng/u1	0.00
46) Dimethylphthalate-d6	13.916	166	145020	26.581	ng/u1	0.00
49) Acenaphthylene-d8	14.204	160	160137	28.233	ng/u1	0.00
54) 4-Nitrophenol-d4	14.762	143	13259	19.657	ng/u1	0.00
60) Fluorene-d10	15.503	176	128041	27.183	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.655	200	19271	19.891	ng/u1	0.00
73) Anthracene-d10	17.365	188	209801	29.708	ng/u1	0.00
81) Pyrene-d10	19.657	212	249046	27.439	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.410	264	236230	24.055	ng/u1	0.01
Target Compounds						
					Qvalue	
30) Naphthalene	10.708	128	8949	1.826	ng/u1	99
36) 2-Methylnaphthalene	12.330	142	8081	2.273	ng/u1	96
37) 1-Methylnaphthalene	12.547	142	7375	2.022	ng/u1	94
43) 1,1'-Biphenyl	13.335	154	6010	1.321	ng/u1#	92
50) Acenaphthylene	14.233	152	76546m	12.170	ng/u1	
52) Acenaphthene	14.574	153	5692	1.380	ng/u1#	83
56) Dibenzofuran	14.909	168	75824	12.853	ng/u1	99
61) Fluorene	15.561	166	25493	4.995	ng/u1	97
72) Phenanthrene	17.306	178	869432	111.826	ng/u1	100
74) Anthracene	17.400	178	159803	19.879	ng/u1	99
77) Carbazole	17.671	167	51221	7.834	ng/u1	98
80) Fluoranthene	19.327	202	902387	82.877	ng/u1	98
82) Pyrene	19.692	202	595216	52.664	ng/u1	97
85) Benzo(a)anthracene	21.507	228	405511	33.246	ng/u1	98
87) Chrysene	21.566	228	344578	30.681	ng/u1	94
90) Benzo(b)fluoranthene	23.646	252	376023	30.918	ng/u1	99
91) Benzo(k)fluoranthene	23.699	252	140307m	11.364	ng/u1	
93) Benzo(a)pyrene	24.480	252	185791	16.088	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	28.147	276	118501m	8.485	ng/u1	
95) Dibenzo(a,h)anthracene	28.164	278	42501m	3.691	ng/u1	
96) Benzo(g,h,i)perylene	29.239	276	11958m	1.076	ng/u1	

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

Instrument :

BNA_G

ClientSampleId :

A4C40

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/08/2024
Supervised By :mohammad ahmed 06/10/2024

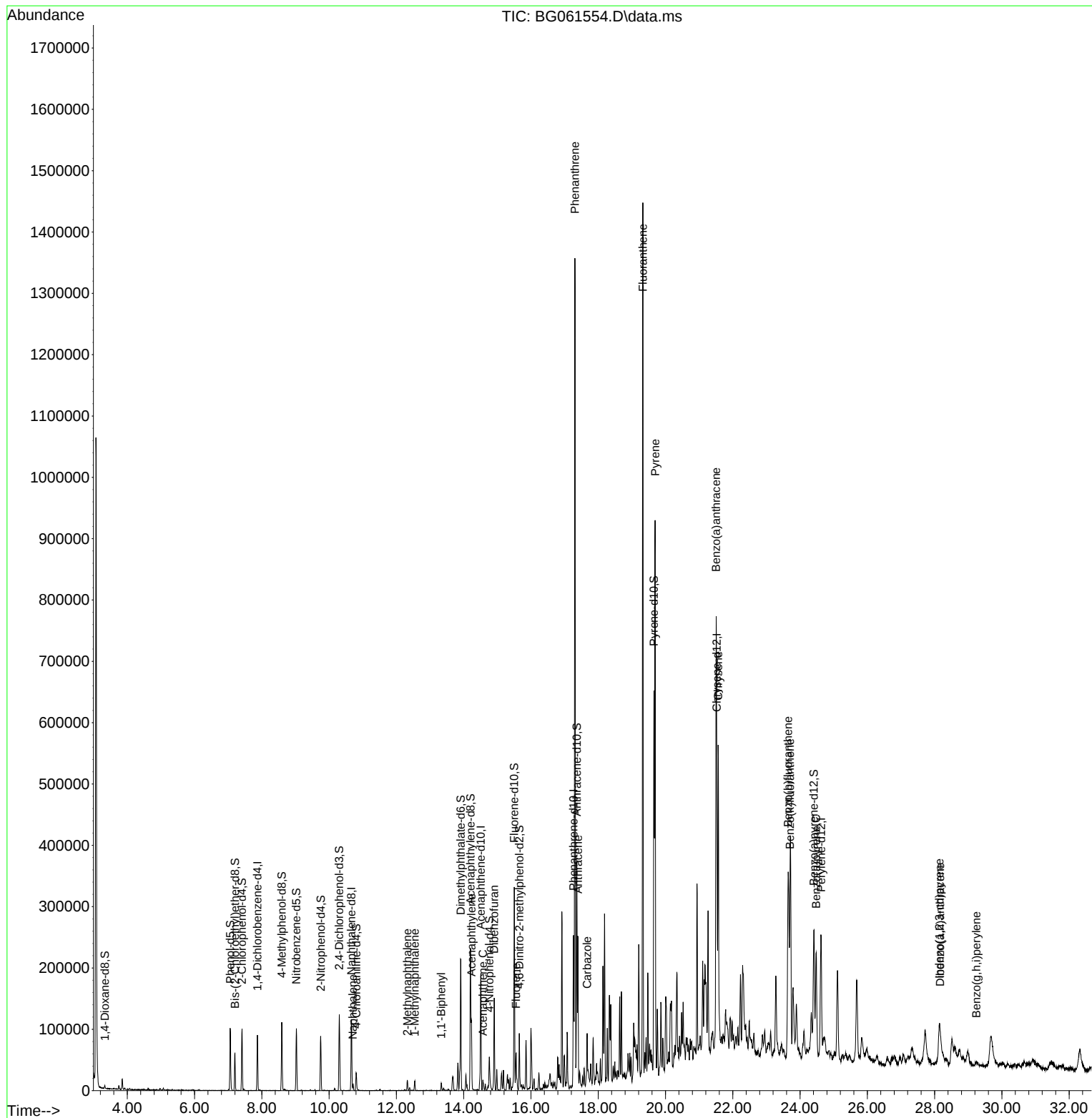
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
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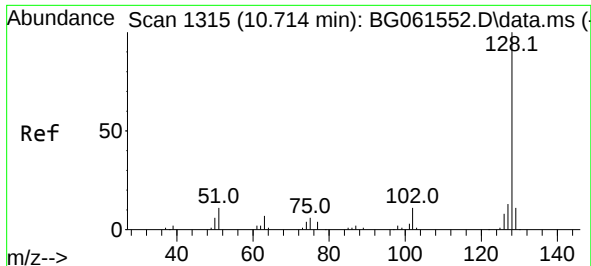
Instrument :
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ClientSampleId :
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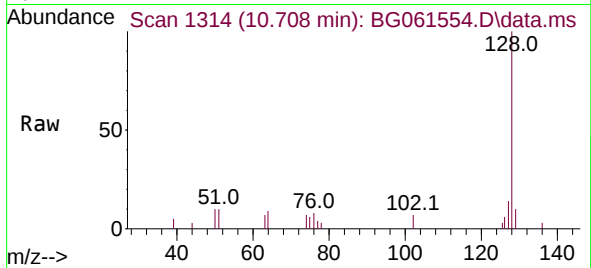
Quant Time: Jun 08 06:37:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 06 12:15:45 2024
Response via : Initial Calibration





#30
Naphthalene
Concen: 1.826 ng/ul
RT: 10.708 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BG061554.D
Acq: 8 Jun 2024 5:57

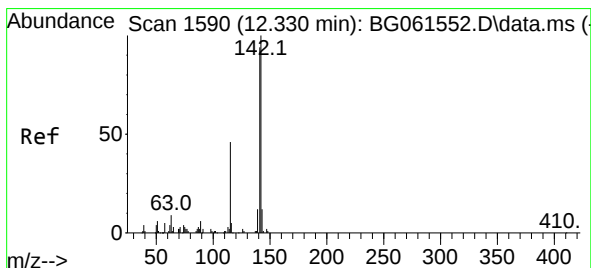
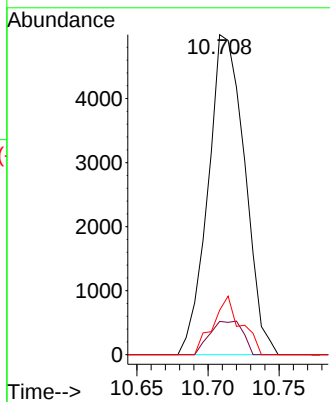
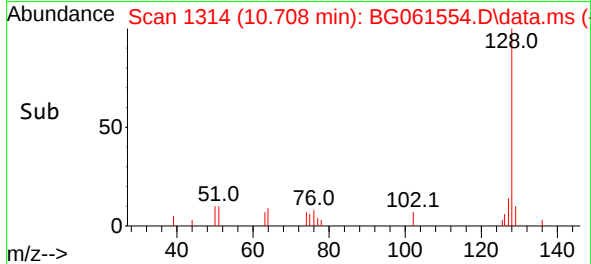
Instrument :
BNA_G
ClientSampleId :
A4C40



Tgt Ion:128 Resp: 8949
Ion Ratio Lower Upper
128 100
129 10.4 8.6 12.8
127 13.9 10.8 16.2

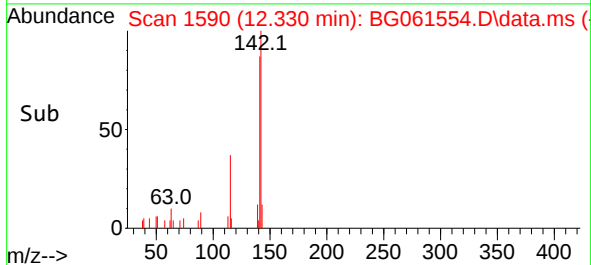
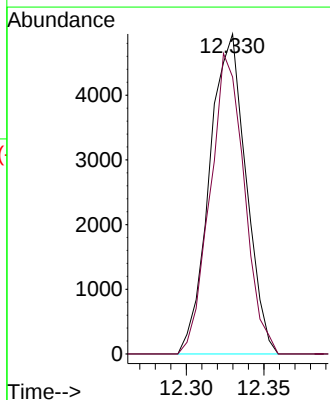
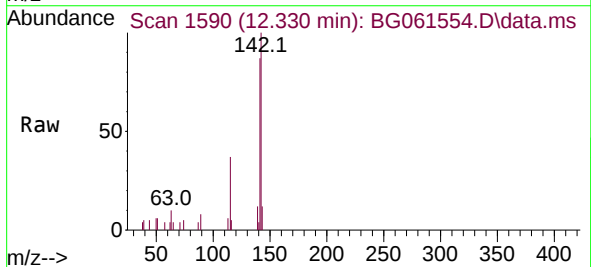
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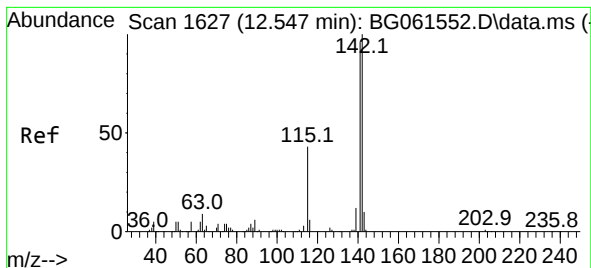
Reviewed By :Jagrut Upadhyay 06/08/2024
Supervised By :mohammad ahmed 06/10/2024



#36
2-Methylnaphthalene
Concen: 2.273 ng/ul
RT: 12.330 min Scan# 1590
Delta R.T. -0.000 min
Lab File: BG061554.D
Acq: 8 Jun 2024 5:57

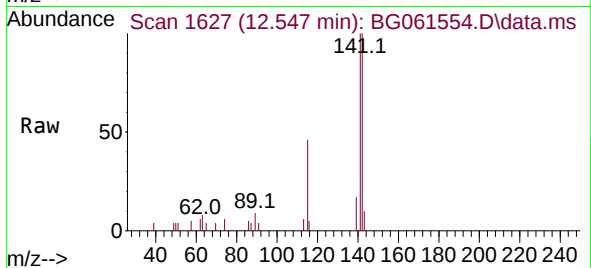
Tgt Ion:142 Resp: 8081
Ion Ratio Lower Upper
142 100
141 86.5 72.2 108.2





#37
1-Methylnaphthalene
Concen: 2.022 ng/ul
RT: 12.547 min Scan# 1627
Delta R.T. -0.000 min
Lab File: BG061554.D
Acq: 8 Jun 2024 5:57

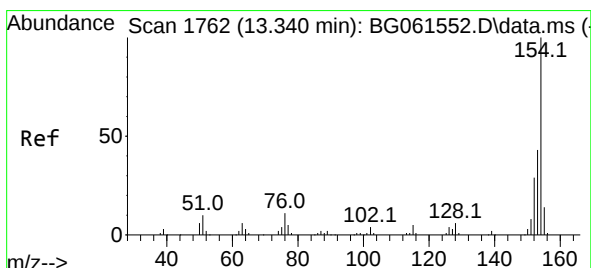
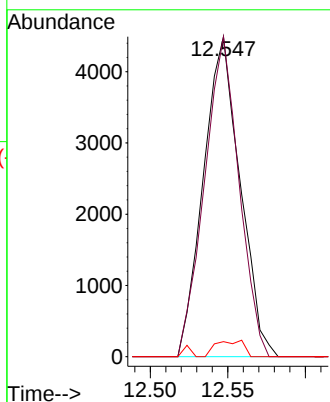
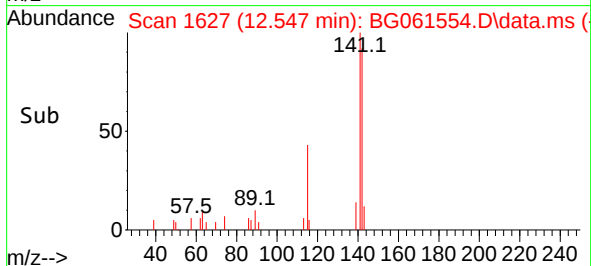
Instrument :
BNA_G
ClientSampleId :
A4C40



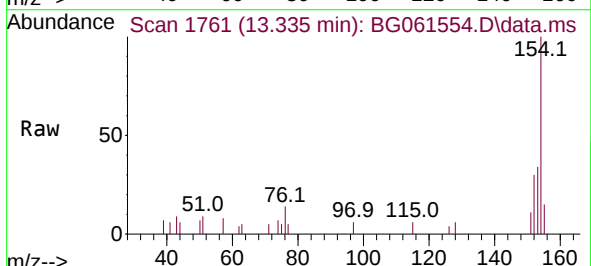
Tgt Ion:142 Resp: 7375
Ion Ratio Lower Upper
142 100
141 100.0 75.5 113.3
116 4.7 4.0 6.0

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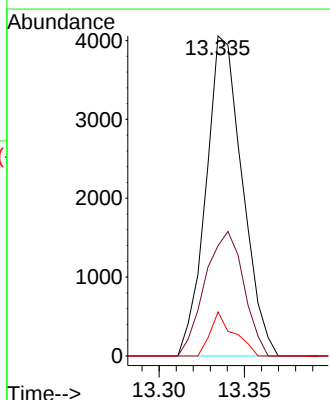
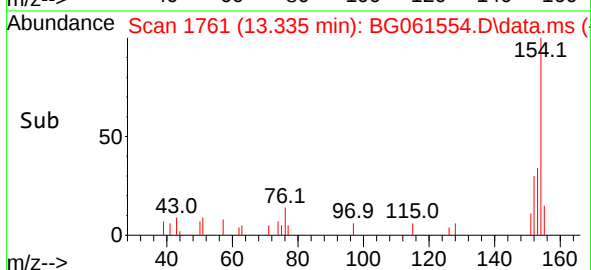
Reviewed By :Jagrut Upadhyay 06/08/2024
Supervised By :mohammad ahmed 06/10/2024

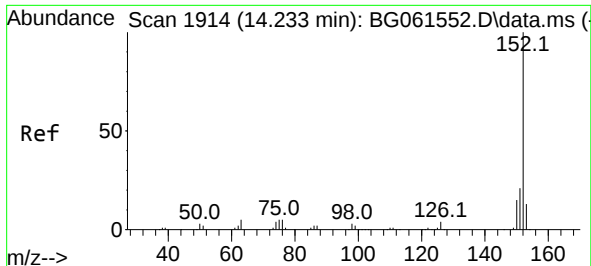


#43
1,1'-Biphenyl
Concen: 1.321 ng/ul
RT: 13.335 min Scan# 1761
Delta R.T. -0.006 min
Lab File: BG061554.D
Acq: 8 Jun 2024 5:57



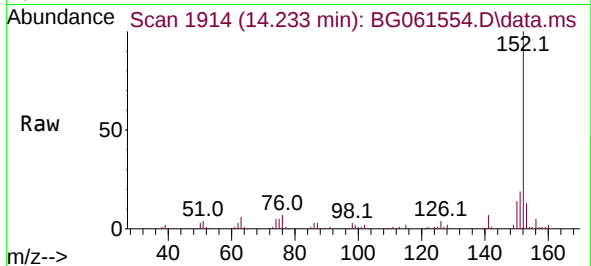
Tgt Ion:154 Resp: 6010
Ion Ratio Lower Upper
154 100
153 34.4 31.2 46.8
76 13.7 8.5 12.7#





#50
Acenaphthylene
Concen: 12.170 ng/ul m
RT: 14.233 min Scan# 1914
Delta R.T. -0.000 min
Lab File: BG061554.D
Acq: 8 Jun 2024 5:57

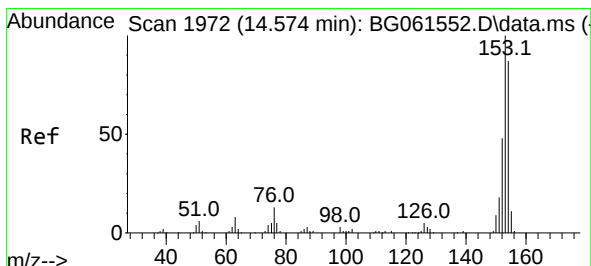
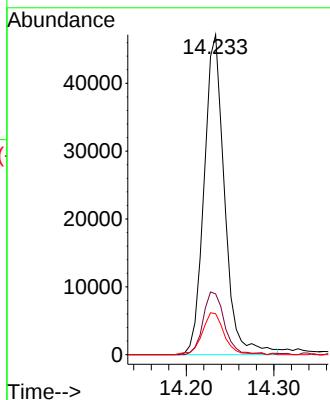
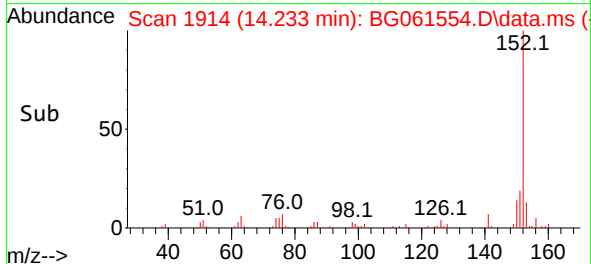
Instrument :
BNA_G
ClientSampleId :
A4C40



Tgt Ion:152 Resp: 76540
Ion Ratio Lower Upper
152 100
151 19.0 16.2 24.2
153 12.8 10.2 15.4

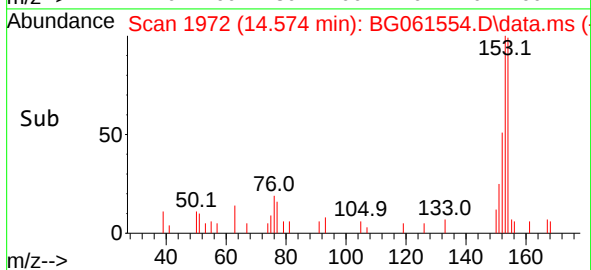
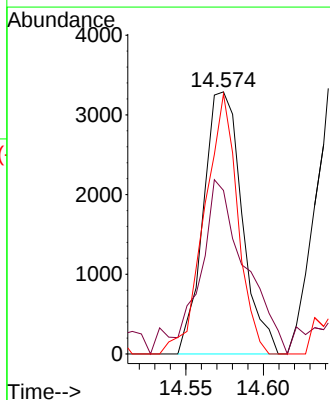
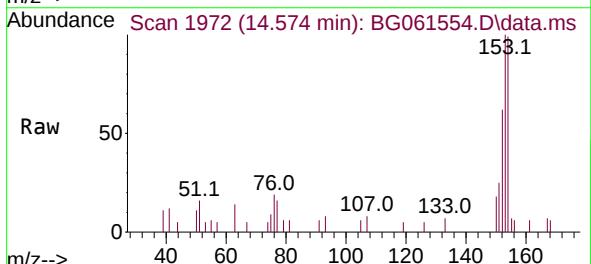
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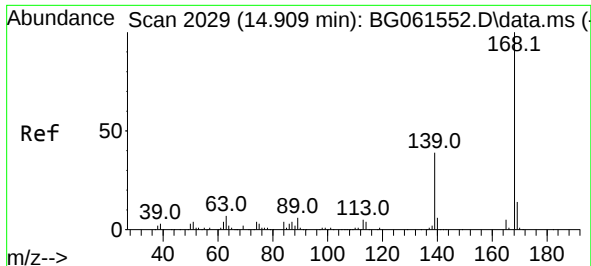
Reviewed By :Jagrut Upadhyay 06/08/2024
Supervised By :mohammad ahmed 06/10/2024



#52
Acenaphthene
Concen: 1.380 ng/ul
RT: 14.574 min Scan# 1972
Delta R.T. -0.000 min
Lab File: BG061554.D
Acq: 8 Jun 2024 5:57

Tgt Ion:153 Resp: 5692
Ion Ratio Lower Upper
153 100
152 62.4 37.8 56.8#
154 99.2 69.0 103.6





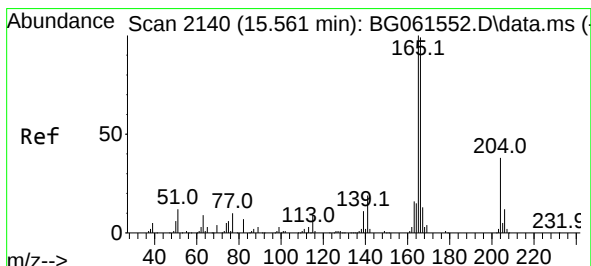
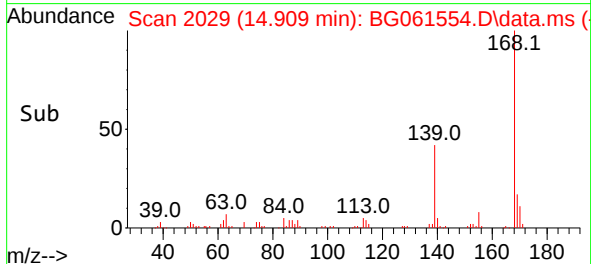
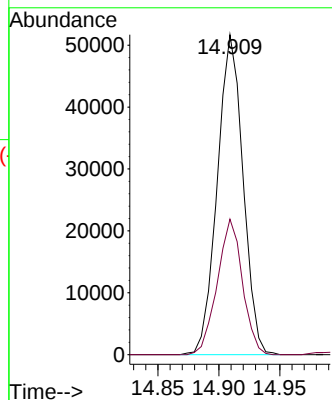
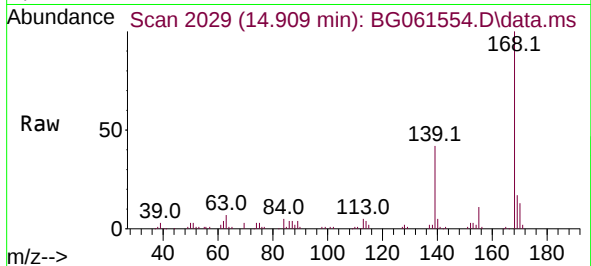
#56
Dibenzofuran
Concen: 12.853 ng/ul
RT: 14.909 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BG061554.D
Acq: 8 Jun 2024 5:57

Instrument :
BNA_G
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Tgt Ion:168 Resp: 75824
Ion Ratio Lower Upper
168 100
139 42.3 33.4 50.2

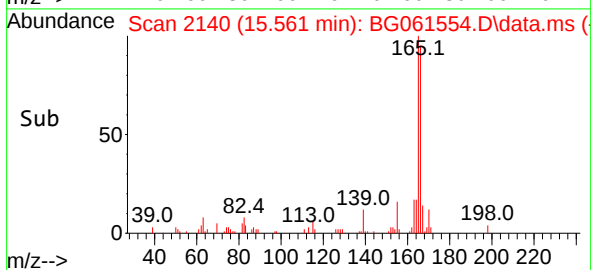
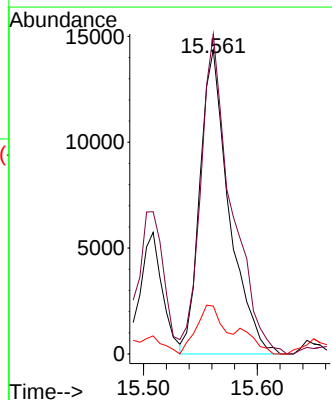
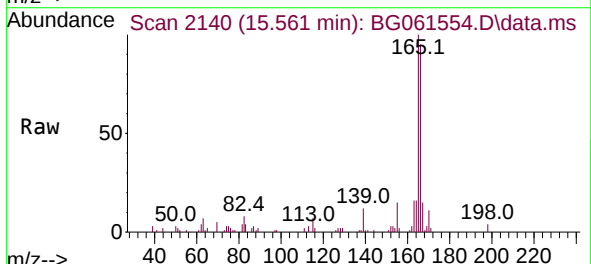
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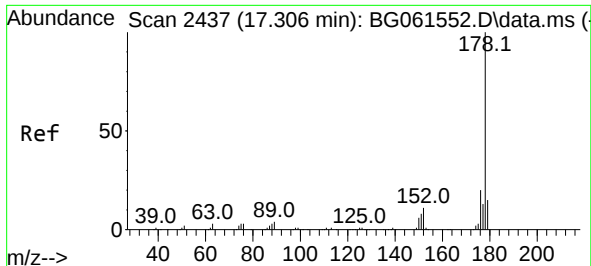
Reviewed By :Jagrut Upadhyay 06/08/2024
Supervised By :mohammad ahmed 06/10/2024



#61
Fluorene
Concen: 4.995 ng/ul
RT: 15.561 min Scan# 2140
Delta R.T. -0.000 min
Lab File: BG061554.D
Acq: 8 Jun 2024 5:57

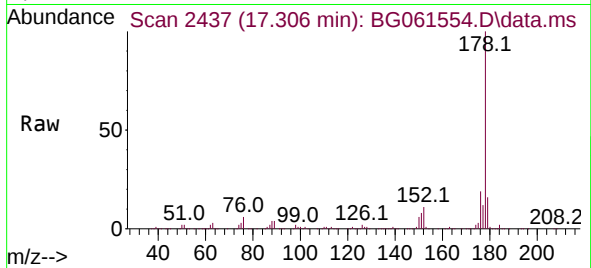
Tgt Ion:166 Resp: 25493
Ion Ratio Lower Upper
166 100
165 105.2 81.8 122.8
167 15.7 10.6 16.0





#72
Phenanthrene
Concen: 111.826 ng/ul
RT: 17.306 min Scan# 2437
Delta R.T. -0.000 min
Lab File: BG061554.D
Acq: 8 Jun 2024 5:57

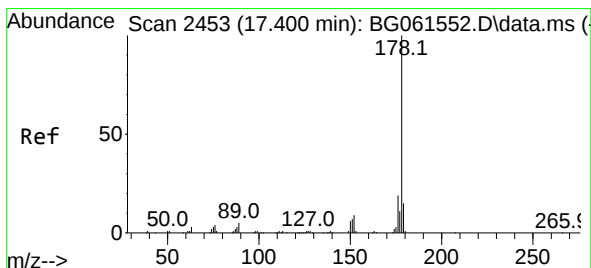
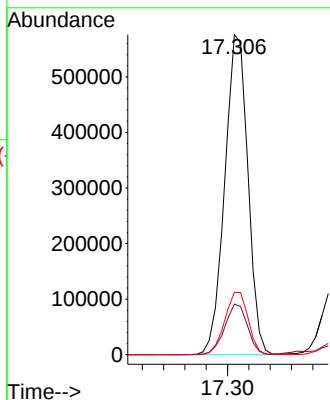
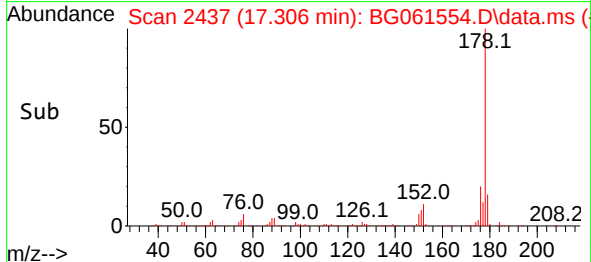
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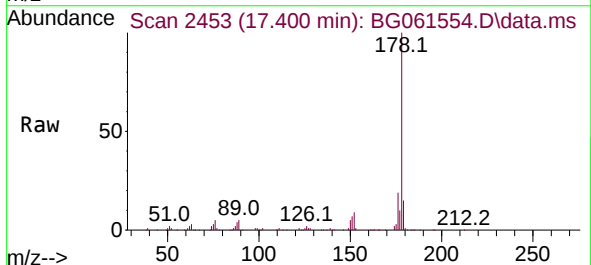
Tgt Ion:178 Resp: 86943
Ion Ratio Lower Upper
178 100
179 15.8 12.7 19.1
176 19.5 15.5 23.3

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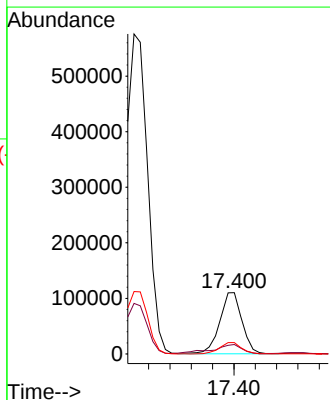
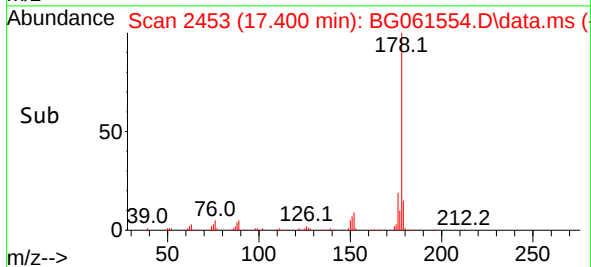
Reviewed By :Jagrut Upadhyay 06/08/2024
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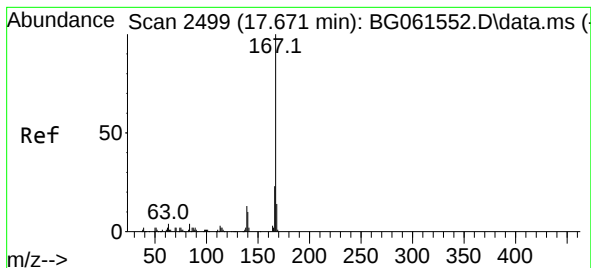


#74
Anthracene
Concen: 19.879 ng/ul
RT: 17.400 min Scan# 2453
Delta R.T. 0.006 min
Lab File: BG061554.D
Acq: 8 Jun 2024 5:57



Tgt Ion:178 Resp: 159803
Ion Ratio Lower Upper
178 100
179 15.3 11.8 17.6
176 18.6 14.9 22.3





#77

Carbazole

Concen: 7.834 ng/ul

RT: 17.671 min Scan# 2499

Delta R.T. -0.000 min

Lab File: BG061554.D

Acq: 8 Jun 2024 5:57

Instrument :

BNA_G

ClientSampleId :

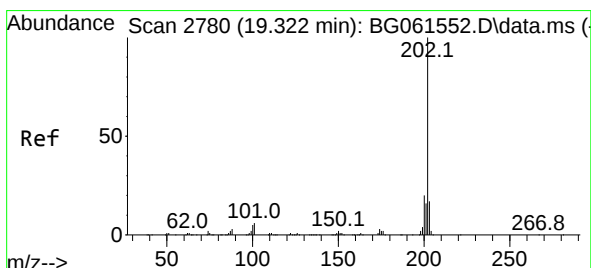
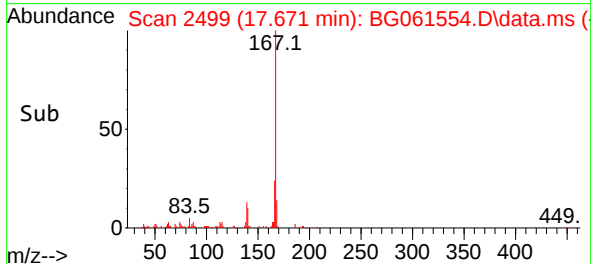
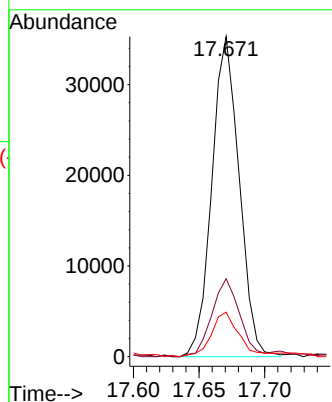
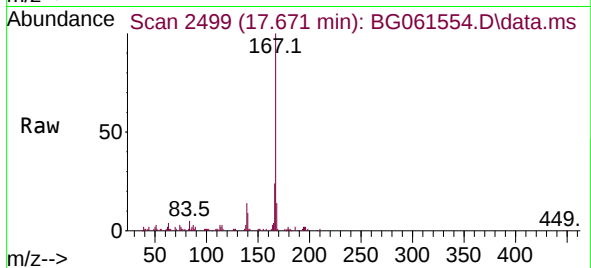
A4C40

Tgt Ion:167	Resp: 5122
Ion Ratio	Lower Upper
167 100	
166 24.3	18.6 28.0
139 13.9	10.6 15.8

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#80

Fluoranthene

Concen: 82.877 ng/ul

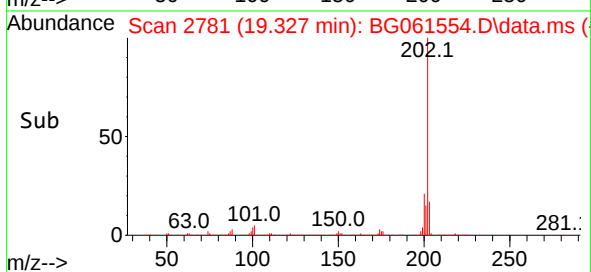
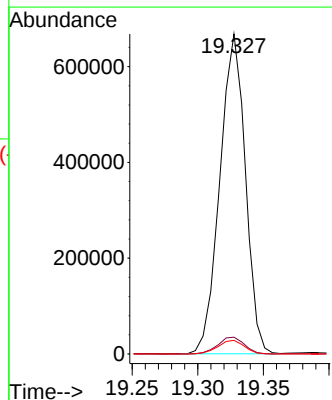
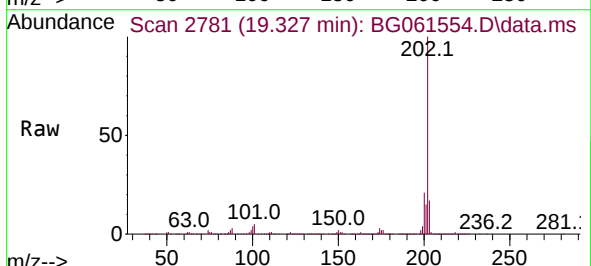
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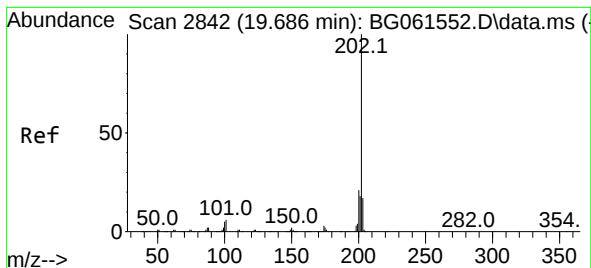
Delta R.T. 0.006 min

Lab File: BG061554.D

Acq: 8 Jun 2024 5:57

Tgt Ion:202	Resp: 902387
Ion Ratio	Lower Upper
202 100	
101 5.3	4.8 7.2
100 4.2	4.1 6.1





#82

Pyrene

Concen: 52.664 ng/ul

RT: 19.692 min Scan# 21

Delta R.T. 0.006 min

Lab File: BG061554.D

Acq: 8 Jun 2024 5:57

Instrument :

BNA_G

ClientSampleId :

A4C40

Tgt Ion:202 Resp: 595210

Ion Ratio Lower Upper

202 100

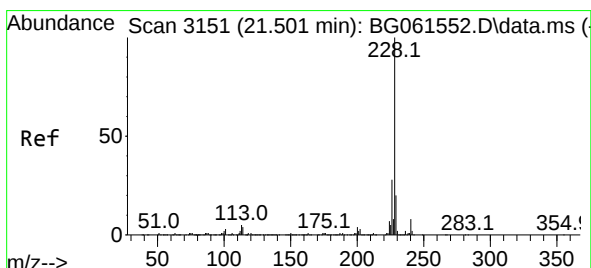
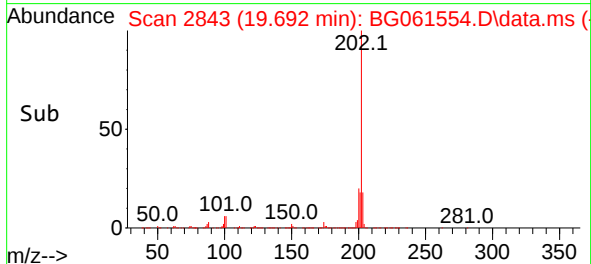
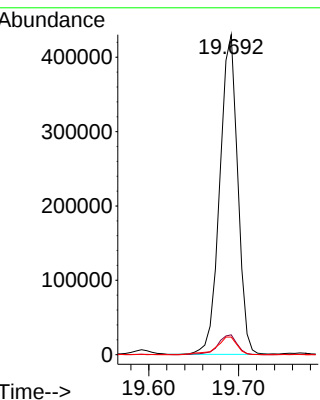
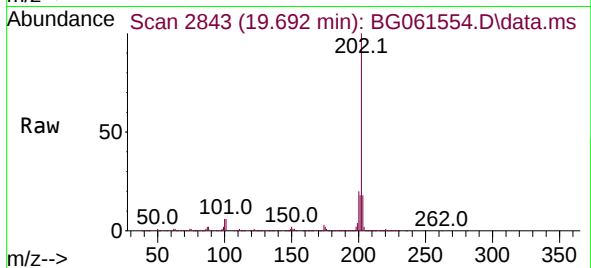
101 6.2 5.7 8.5

100 5.5 5.1 7.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/08/2024
Supervised By :mohammad ahmed 06/10/2024



#85

Benzo(a)anthracene

Concen: 33.246 ng/ul

RT: 21.507 min Scan# 3152

Delta R.T. 0.006 min

Lab File: BG061554.D

Acq: 8 Jun 2024 5:57

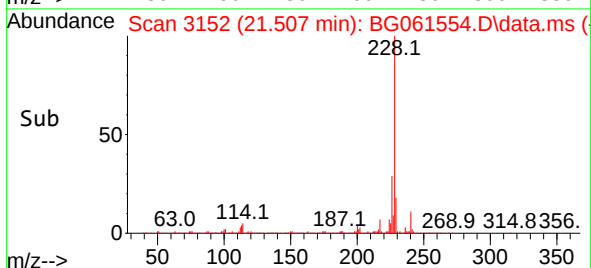
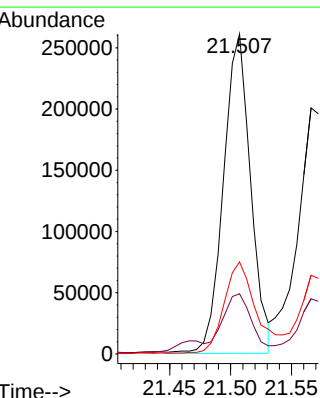
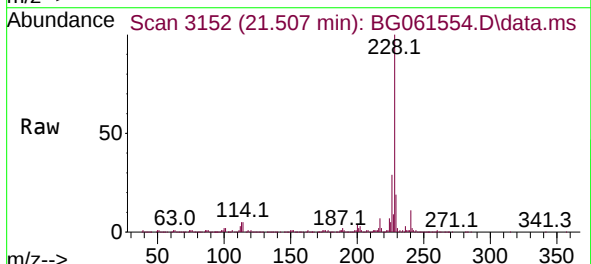
Tgt Ion:228 Resp: 405511

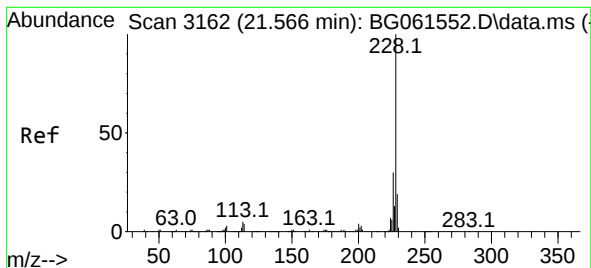
Ion Ratio Lower Upper

228 100

229 18.8 15.2 22.8

226 28.7 21.4 32.2





#87

Chrysene

Concen: 30.681 ng/ul

RT: 21.566 min Scan# 3162

Delta R.T. -0.000 min

Lab File: BG061554.D

Acq: 8 Jun 2024 5:57

Instrument :

BNA_G

ClientSampleId :

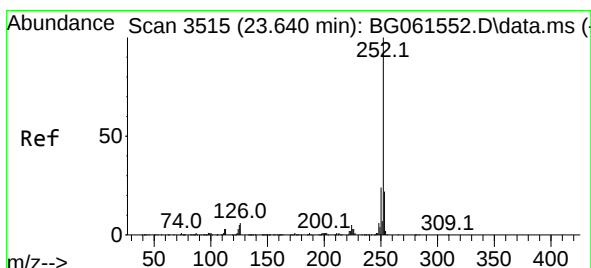
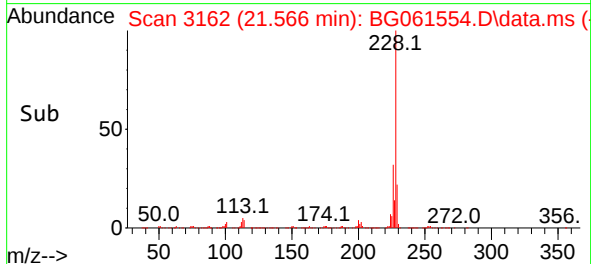
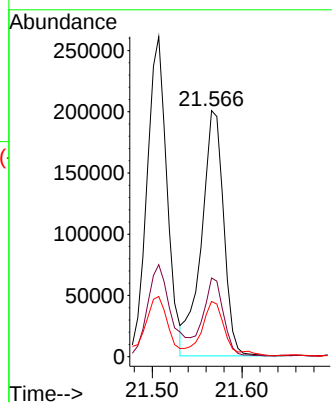
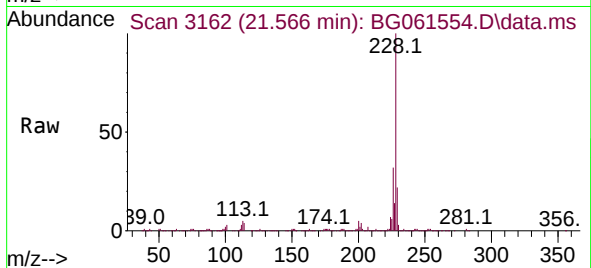
A4C40

Tgt Ion:228	Resp: 344578
Ion Ratio	Lower Upper
228 100	
226 32.0	23.4 35.0
229 22.5	15.4 23.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/08/2024
Supervised By :mohammad ahmed 06/10/2024



#90

Benzo(b)fluoranthene

Concen: 30.918 ng/ul

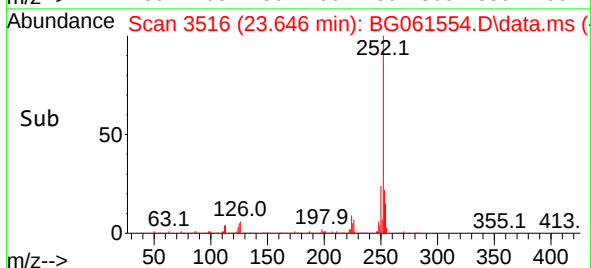
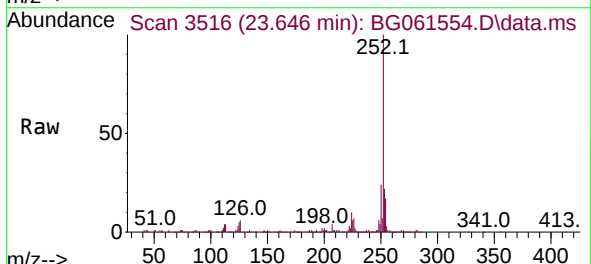
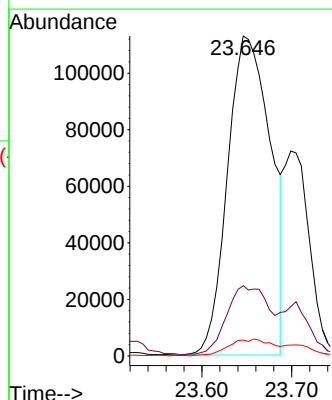
RT: 23.646 min Scan# 3516

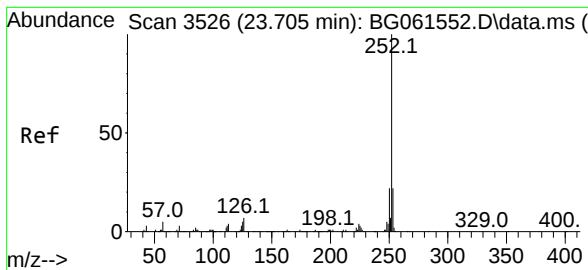
Delta R.T. 0.012 min

Lab File: BG061554.D

Acq: 8 Jun 2024 5:57

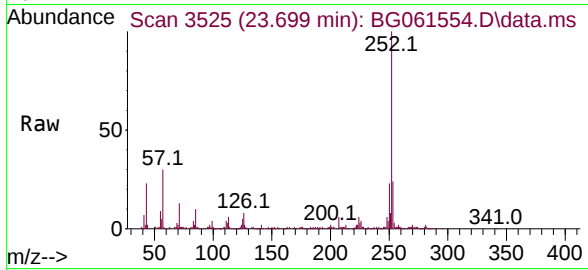
Tgt Ion:252	Resp: 376023
Ion Ratio	Lower Upper
252 100	
253 22.0	17.8 26.8
125 4.9	4.6 6.8





#91
Benzo(k)fluoranthene
Concen: 11.364 ng/ul m
RT: 23.699 min Scan# 3526
Delta R.T. -0.000 min
Lab File: BG061554.D
Acq: 8 Jun 2024 5:57

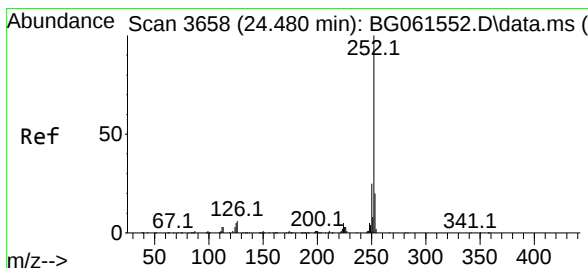
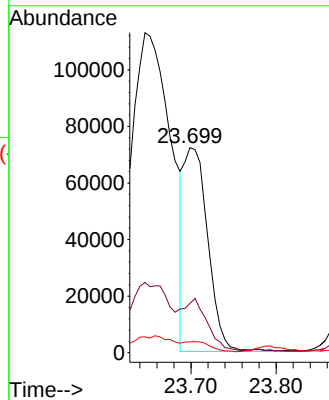
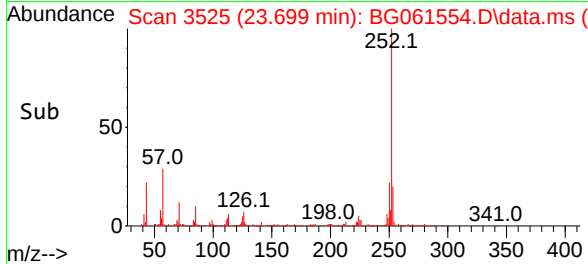
Instrument :
BNA_G
ClientSampleId :
A4C40



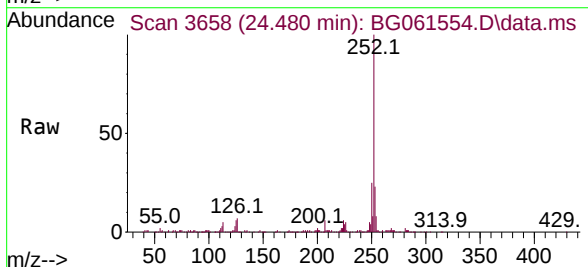
Tgt Ion:252 Resp: 140307
Ion Ratio Lower Upper
252 100
253 24.1 16.0 24.0
125 5.3 4.3 6.5

Manual Integrations
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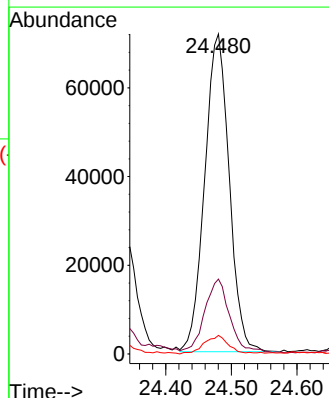
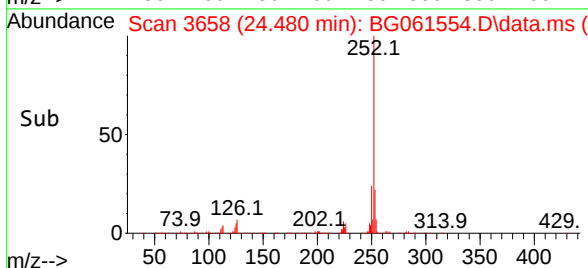
Reviewed By :Jagrut Upadhyay 06/08/2024
Supervised By :mohammad ahmed 06/10/2024

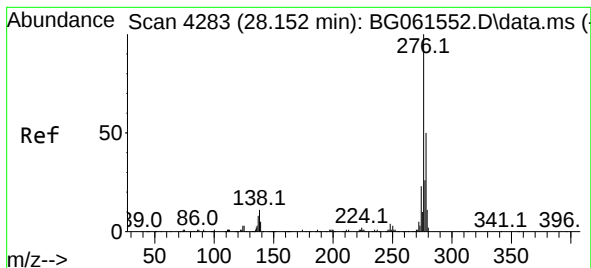


#93
Benzo(a)pyrene
Concen: 16.088 ng/ul
RT: 24.480 min Scan# 3658
Delta R.T. 0.012 min
Lab File: BG061554.D
Acq: 8 Jun 2024 5:57



Tgt Ion:252 Resp: 185791
Ion Ratio Lower Upper
252 100
253 23.4 16.4 24.6
125 5.8 4.3 6.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 8.485 ng/ul m

RT: 28.147 min Scan# 4282

Delta R.T. 0.012 min

Lab File: BG061554.D

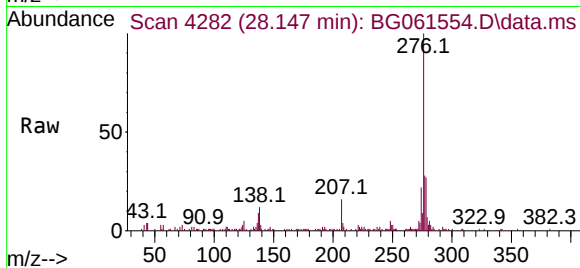
Acq: 8 Jun 2024 5:57

Instrument :

BNA_G

ClientSampleId :

A4C40



Tgt Ion:276 Resp: 11850

Ion Ratio Lower Upper

276 100

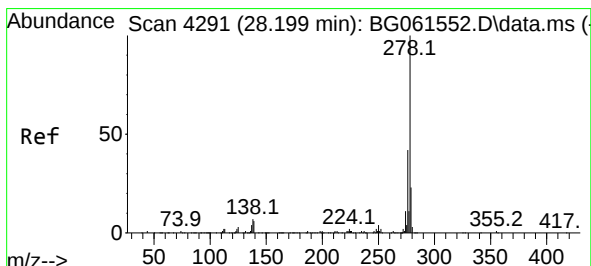
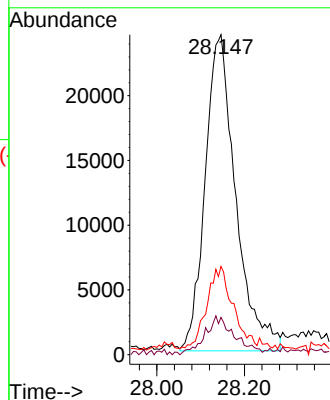
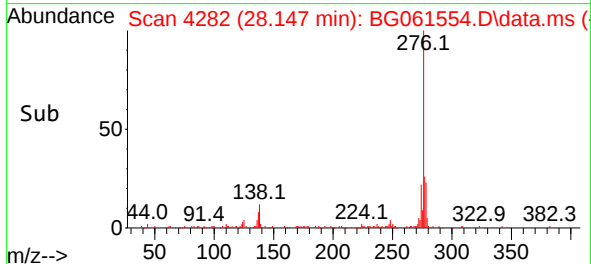
138 11.6 8.6 13.0

277 27.6 19.7 29.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/08/2024
Supervised By :mohammad ahmed 06/10/2024



#95

Dibenzo(a,h)anthracene

Concen: 3.691 ng/ul m

RT: 28.164 min Scan# 4285

Delta R.T. -0.006 min

Lab File: BG061554.D

Acq: 8 Jun 2024 5:57

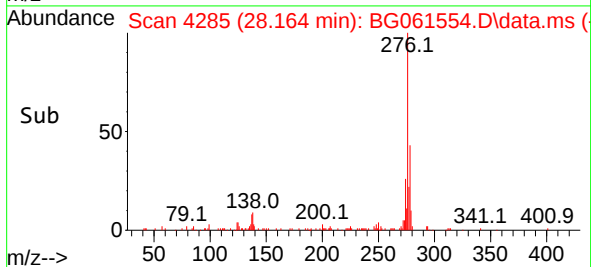
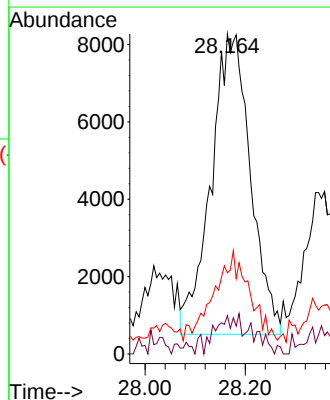
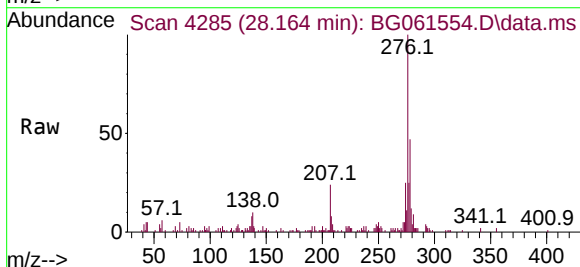
Tgt Ion:278 Resp: 42501

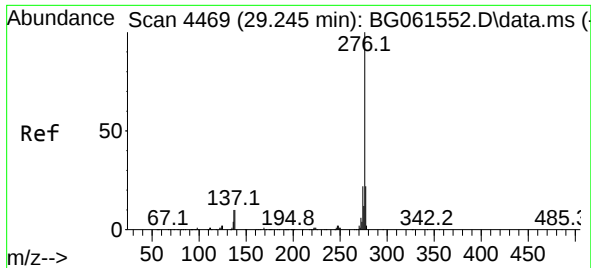
Ion Ratio Lower Upper

278 100

139 7.1 6.4 9.6

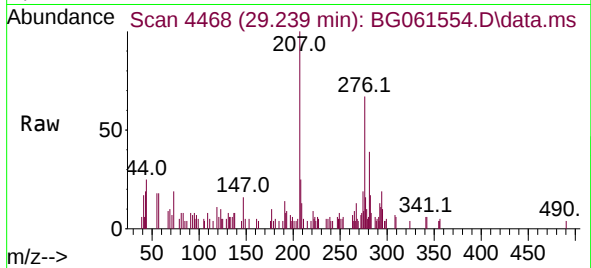
279 25.3 19.9 29.9





#96
Benzo(g,h,i)perylene
Concen: 1.076 ng/ul m
RT: 29.239 min Scan# 44
Delta R.T. 0.018 min
Lab File: BG061554.D
Acq: 8 Jun 2024 5:57

Instrument :
BNA_G
ClientSampleId :
A4C40



Tgt Ion:276 Resp: 11958
Ion Ratio Lower Upper
276 100
138 11.6 8.7 13.1
277 24.6 18.2 27.2

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 06/08/2024
Supervised By :mohammad ahmed 06/10/2024

