

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
 Data File : BG061476.D
 Acq On : 5 Jun 2024 5:55
 Operator : MA/JU
 Sample : P2590-11DL 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBL7DL

Manual Integrations
 APPROVED

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

Quant Time: Jun 05 06:35:56 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	7.877	152	26741	20.000	ng/u1	0.00
20) Naphthalene-d8	10.668	136	104779	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.510	164	78647	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.260	188	183335	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.514	240	196562	20.000	ng/u1	0.00
88) Perylene-d12	24.604	264	225396	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.000	96	0d	0.000	ng/uL	
4) Pyridine-d5	3.747	84	4707	2.769	ng/u1	0.00
7) Phenol-d5	7.060	99	11503	5.238	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.201	67	7573	5.487	ng/u1	0.00
11) 2-Chlorophenol-d4	7.413	132	9604	5.909	ng/u1	0.00
15) 4-Methylphenol-d8	8.600	113	9404	5.022	ng/u1	0.00
21) Nitrobenzene-d5	9.029	128	5301	6.571	ng/u1	0.00
24) 2-Nitrophenol-d4	9.751	143	5801	6.144	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.309	165	11093	6.027	ng/u1	0.00
31) 4-Chloroaniline-d4	10.809	131	6805	2.826	ng/u1	0.00
46) Dimethylphthalate-d6	13.911	166	37042	6.073	ng/u1	0.00
49) Acenaphthylene-d8	14.199	160	38982	6.147	ng/u1	0.00
54) 4-Nitrophenol-d4	14.781	143	1746m	2.315	ng/u1	0.04
60) Fluorene-d10	15.503	176	31751	6.029	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/u1	
73) Anthracene-d10	17.360	188	53048	6.563	ng/u1	0.00
81) Pyrene-d10	19.651	212	68036	6.741	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.393	264	73803	6.811	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.715	128	6791	1.228	ng/u1#	92
36) 2-Methylnaphthalene	12.331	142	5109	1.274	ng/u1#	79
52) Acenaphthene	14.575	153	10286	2.230	ng/u1	90
56) Dibenzofuran	14.910	168	14019	2.126	ng/u1	97
61) Fluorene	15.562	166	16266	2.850	ng/u1#	81
72) Phenanthrene	17.301	178	257715	28.962	ng/u1	98
74) Anthracene	17.395	178	53241	5.787	ng/u1	98
77) Carbazole	17.665	167	16930	2.262	ng/u1#	96
80) Fluoranthene	19.322	202	342719	28.307	ng/u1	99
82) Pyrene	19.681	202	301769	24.012	ng/u1	99
85) Benzo(a)anthracene	21.496	228	171909	12.675	ng/u1	97
87) Chrysene	21.561	228	151387	12.122	ng/u1	95
90) Benzo(b)fluoranthene	23.635	252	191195	14.247	ng/u1	99
91) Benzo(k)fluoranthene	23.688	252	55271m	4.057	ng/u1	
93) Benzo(a)pyrene	24.463	252	136432	10.706	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	28.106	276	82680m	5.365	ng/u1	
95) Dibenzo(a,h)anthracene	28.130	278	23413m	1.843	ng/u1	
96) Benzo(g,h,i)perylene	29.211	276	71690m	5.848	ng/u1	

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

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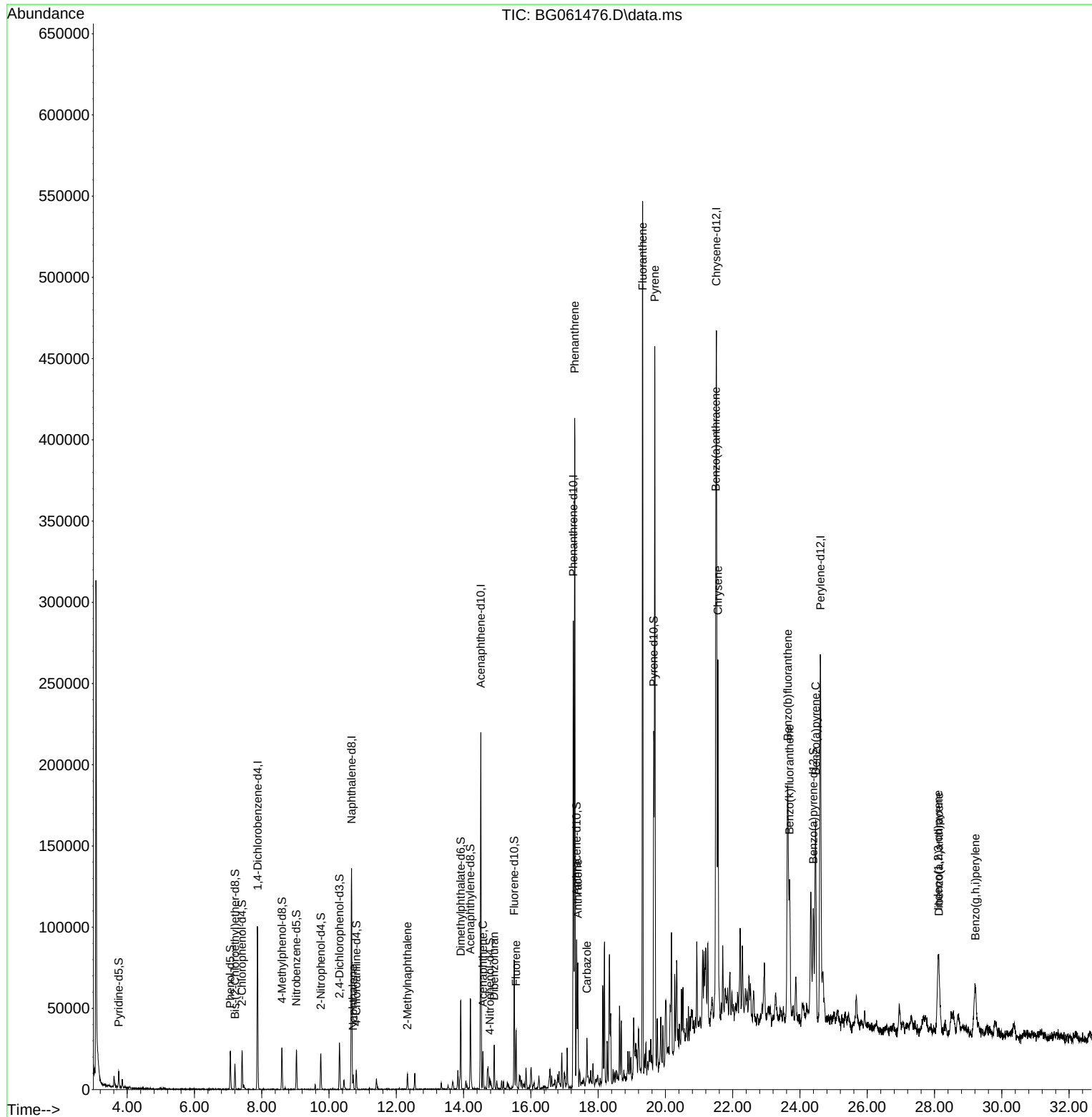
Quant Time: Jun 05 06:35:56 2024

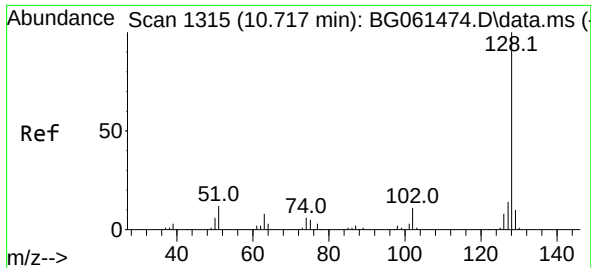
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu May 30 22:54:48 2024

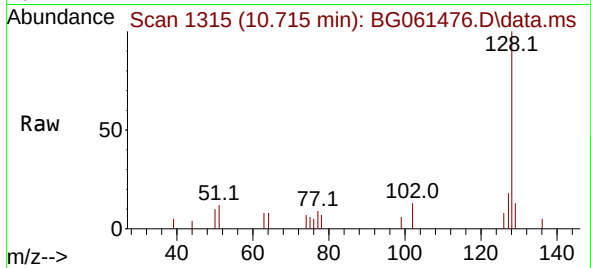
Response via : Initial Calibration





#30
Naphthalene
Concen: 1.228 ng/ul
RT: 10.715 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG061476.D
Acq: 5 Jun 2024 5:55

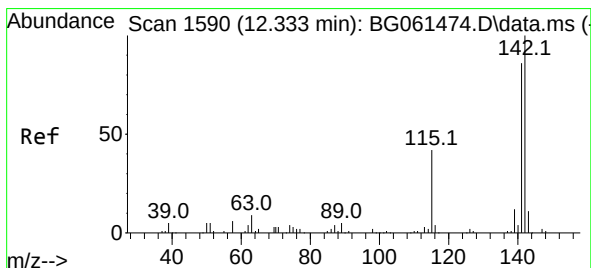
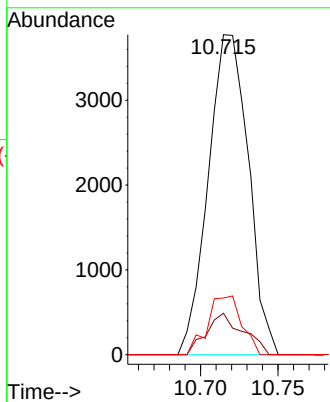
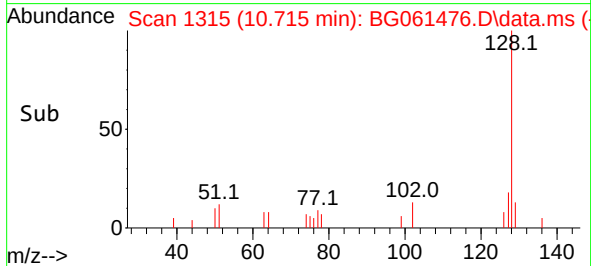
Instrument :
BNA_G
ClientSampleId :
BHBL7DL



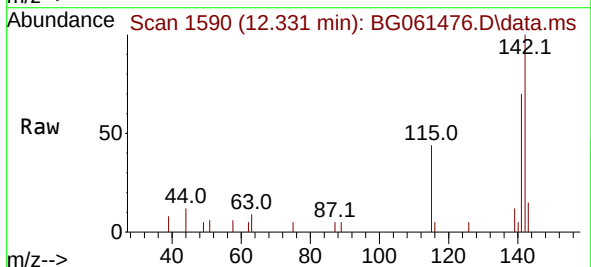
Tgt Ion:128 Resp: 679
Ion Ratio Lower Upper
128 100
129 12.9 8.6 12.8
127 17.7 10.8 16.2

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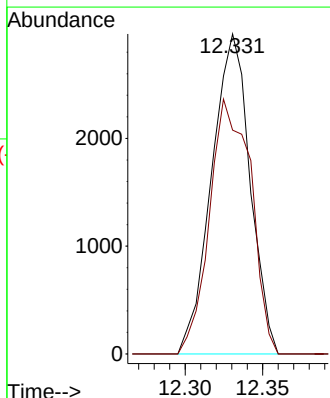
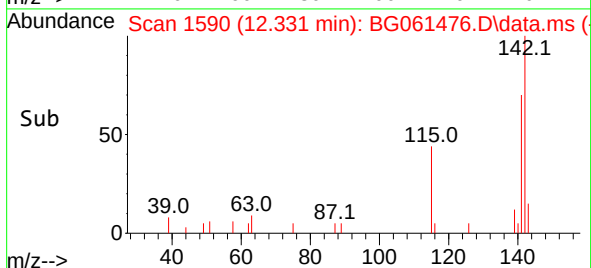
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

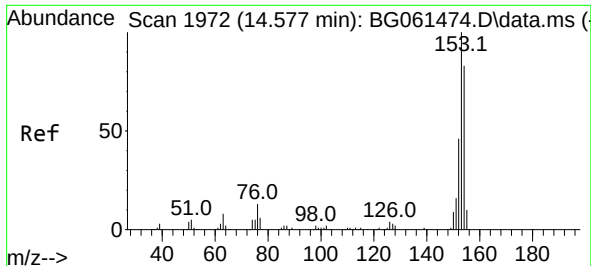


#36
2-Methylnaphthalene
Concen: 1.274 ng/ul
RT: 12.331 min Scan# 1590
Delta R.T. 0.002 min
Lab File: BG061476.D
Acq: 5 Jun 2024 5:55



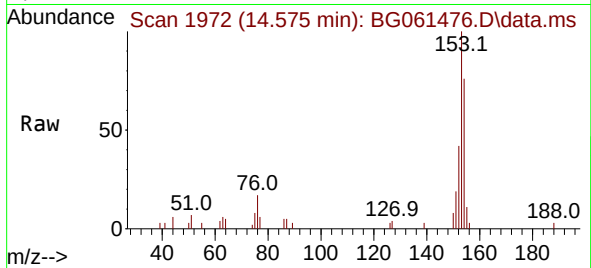
Tgt Ion:142 Resp: 5109
Ion Ratio Lower Upper
142 100
141 70.0 72.2 108.2





#52
Acenaphthene
Concen: 2.230 ng/u1
RT: 14.575 min Scan# 1972
Delta R.T. 0.002 min
Lab File: BG061476.D
Acq: 5 Jun 2024 5:55

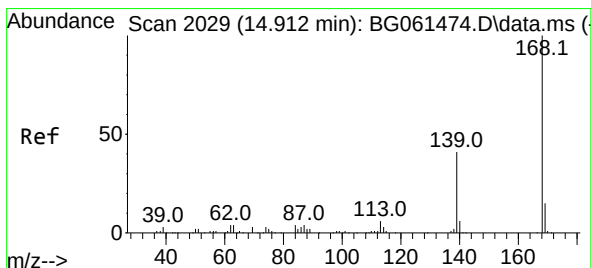
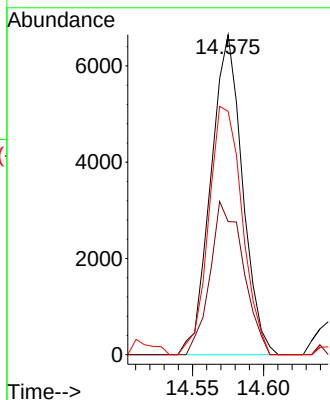
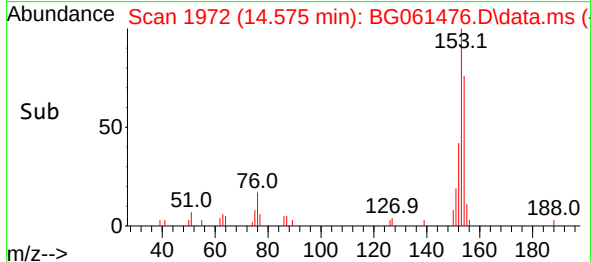
Instrument :
BNA_G
ClientSampleId :
BHBL7DL



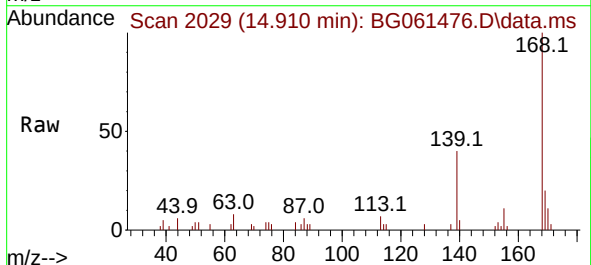
Tgt Ion:153 Resp: 10280
Ion Ratio Lower Upper
153 100
152 41.6 37.8 56.8
154 76.0 69.0 103.6

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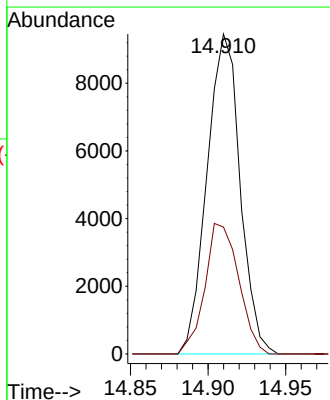
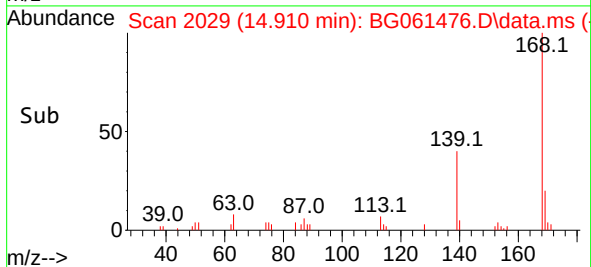
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

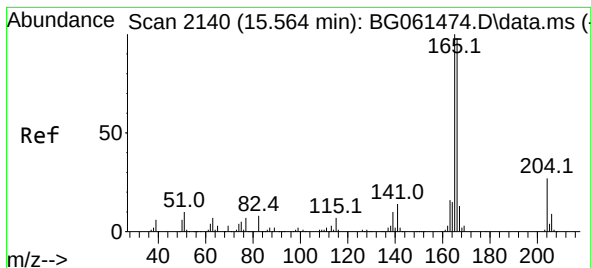


#56
Dibenzofuran
Concen: 2.126 ng/u1
RT: 14.910 min Scan# 2029
Delta R.T. 0.002 min
Lab File: BG061476.D
Acq: 5 Jun 2024 5:55



Tgt Ion:168 Resp: 14019
Ion Ratio Lower Upper
168 100
139 39.6 33.4 50.2





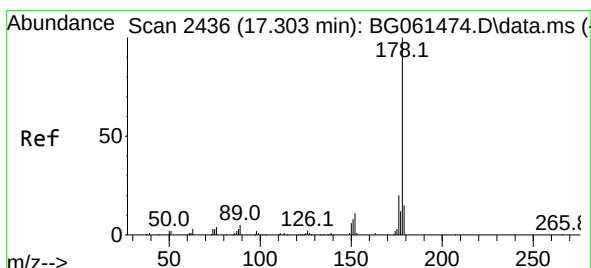
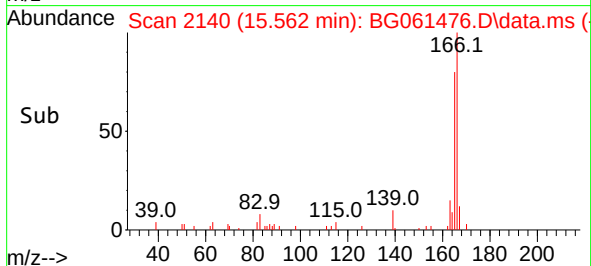
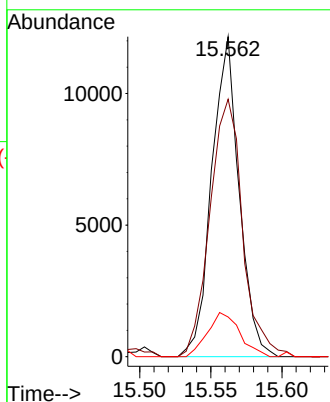
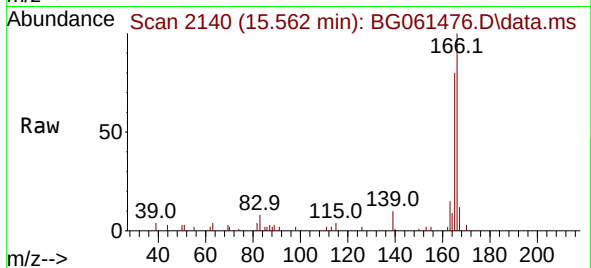
#61
Fluorene
Concen: 2.850 ng/u1
RT: 15.562 min Scan# 2140
Delta R.T. 0.002 min
Lab File: BG061476.D
Acq: 5 Jun 2024 5:55

Instrument :
BNA_G
ClientSampleId :
BHBL7DL

Tgt Ion:166 Resp: 16260
Ion Ratio Lower Upper
166 100
165 80.4 81.8 122.8
167 12.4 10.6 16.0

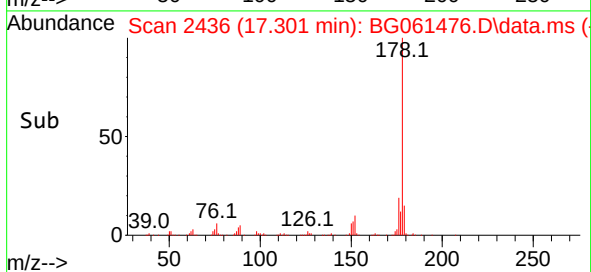
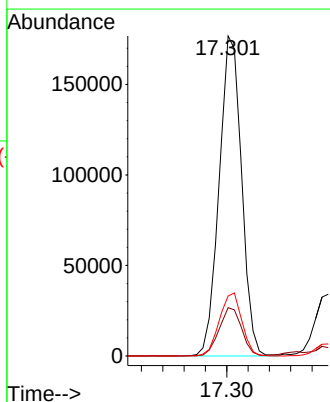
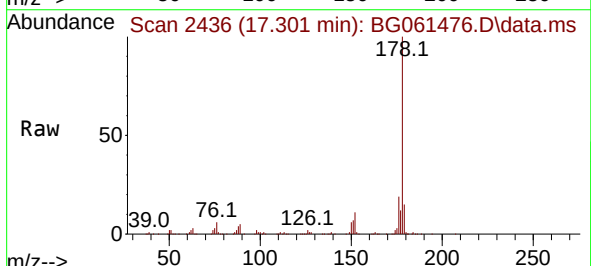
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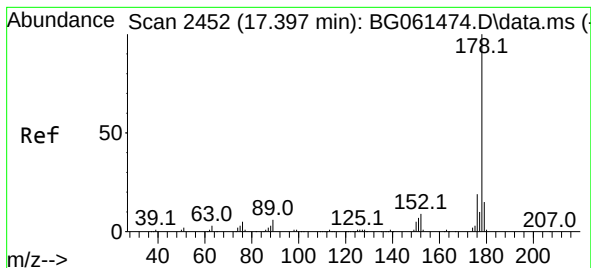
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#72
Phenanthrene
Concen: 28.962 ng/u1
RT: 17.301 min Scan# 2436
Delta R.T. 0.002 min
Lab File: BG061476.D
Acq: 5 Jun 2024 5:55

Tgt Ion:178 Resp: 257715
Ion Ratio Lower Upper
178 100
179 15.1 12.7 19.1
176 18.8 15.5 23.3





#74

Anthracene

Concen: 5.787 ng/ul

RT: 17.395 min Scan# 2452

Delta R.T. 0.002 min

Lab File: BG061476.D

Acq: 5 Jun 2024 5:55

Instrument :

BNA_G

ClientSampleId :

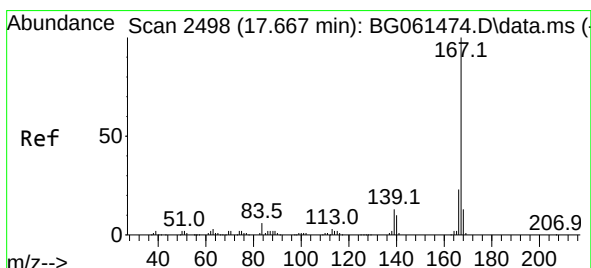
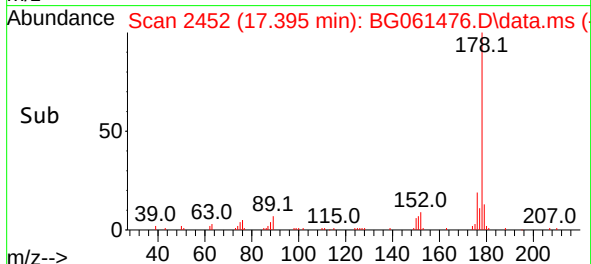
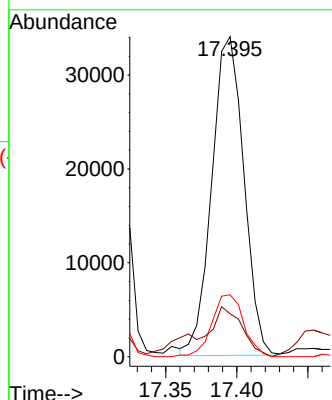
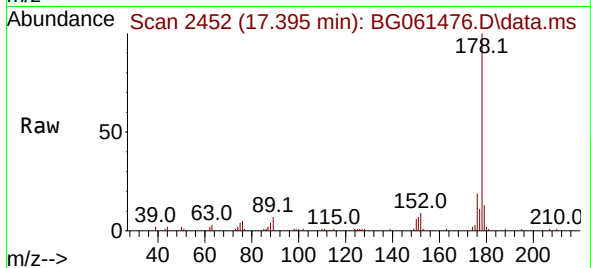
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Tgt Ion:178	Resp:	5324
Ion Ratio	Lower	Upper
178	100	
179	13.4	11.8 17.6
176	19.4	14.9 22.3

Manual Integrations

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Supervised By :mohammad ahmed 06/07/2024



#77

Carbazole

Concen: 2.262 ng/ul

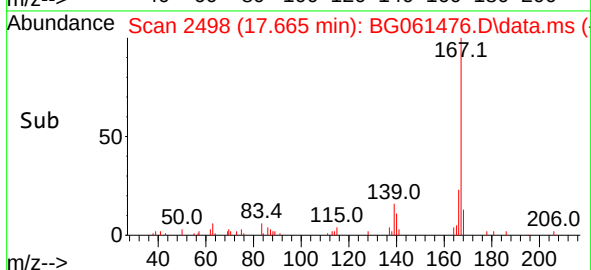
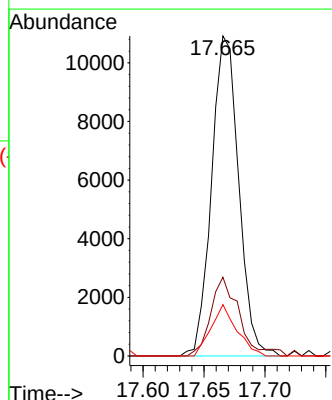
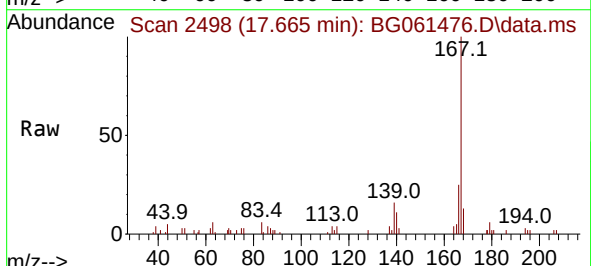
RT: 17.665 min Scan# 2498

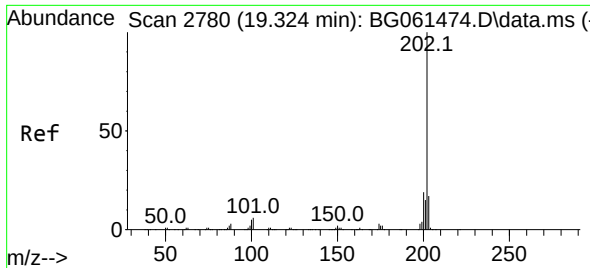
Delta R.T. 0.002 min

Lab File: BG061476.D

Acq: 5 Jun 2024 5:55

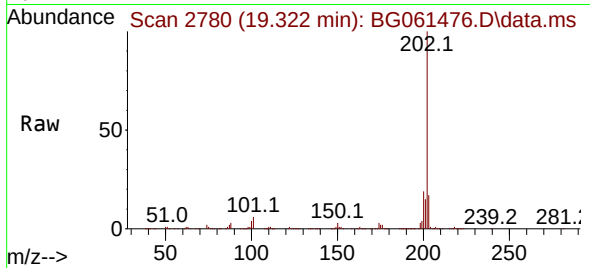
Tgt Ion:167	Resp:	16930
Ion Ratio	Lower	Upper
167	100	
166	24.6	18.6 28.0
139	16.1	10.6 15.8#





#80
Fluoranthene
Concen: 28.307 ng/u1
RT: 19.322 min Scan# 21
Delta R.T. 0.008 min
Lab File: BG061476.D
Acq: 5 Jun 2024 5:55

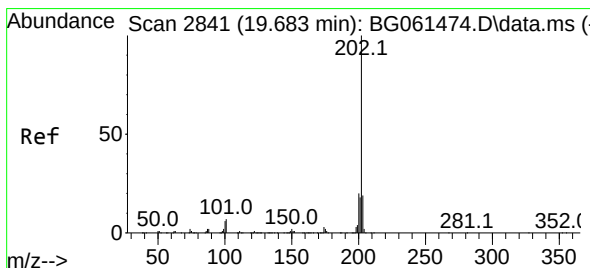
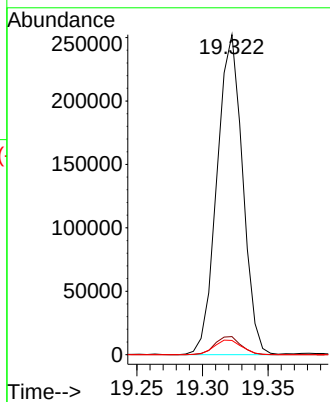
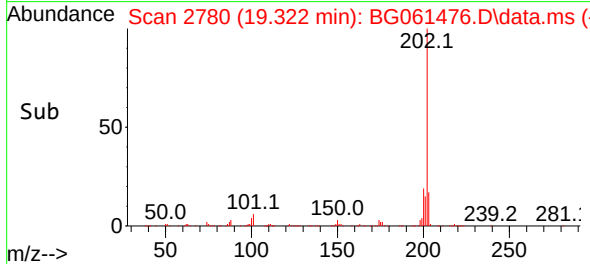
Instrument :
BNA_G
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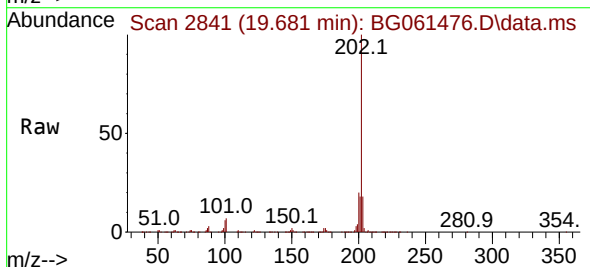
Tgt Ion:202 Resp: 342719
Ion Ratio Lower Upper
202 100
101 5.7 4.8 7.2
100 4.5 4.1 6.1

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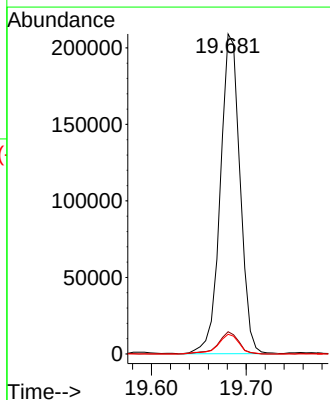
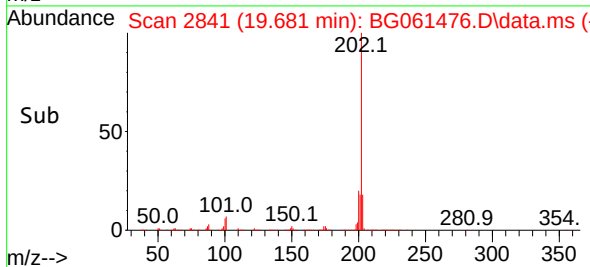
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

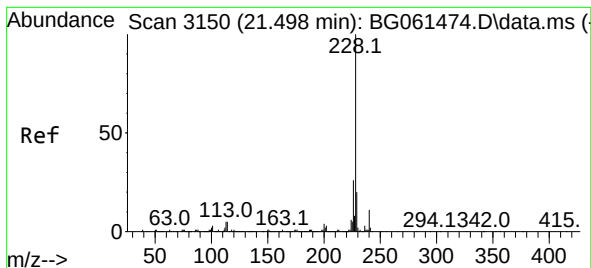


#82
Pyrene
Concen: 24.012 ng/u1
RT: 19.681 min Scan# 2841
Delta R.T. 0.002 min
Lab File: BG061476.D
Acq: 5 Jun 2024 5:55



Tgt Ion:202 Resp: 301769
Ion Ratio Lower Upper
202 100
101 7.0 5.7 8.5
100 6.1 5.1 7.7





#85

Benzo(a)anthracene

Concen: 12.675 ng/u1

RT: 21.496 min Scan# 3150

Delta R.T. 0.002 min

Lab File: BG061476.D

Acq: 5 Jun 2024 5:55

Instrument :

BNA_G

ClientSampleId :

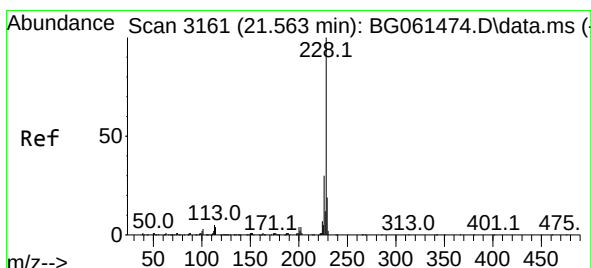
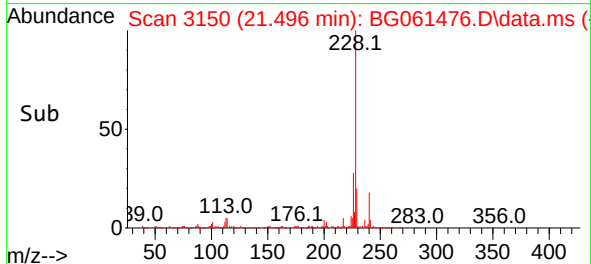
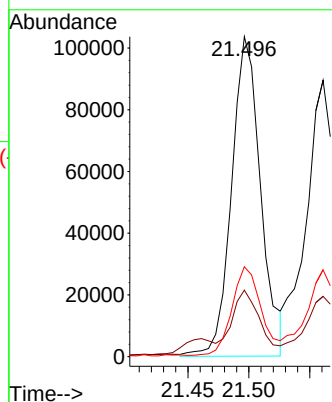
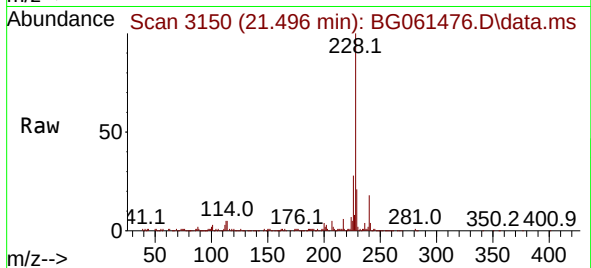
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Tgt Ion:	228	Resp:	171909
Ion Ratio	Lower	Upper	
228	100		
229	20.8	15.2	22.8
226	28.1	21.4	32.2

Manual Integrations

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#87

Chrysene

Concen: 12.122 ng/u1

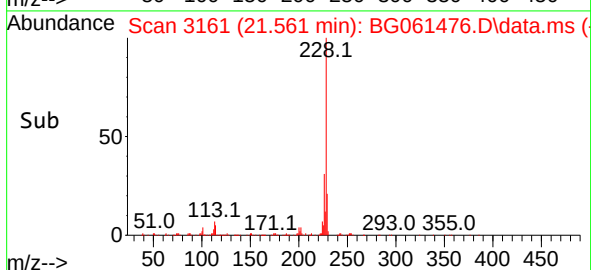
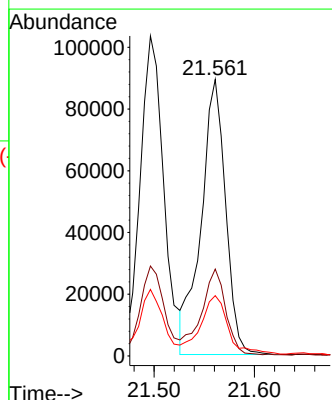
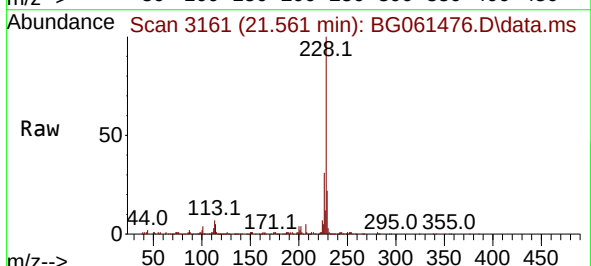
RT: 21.561 min Scan# 3161

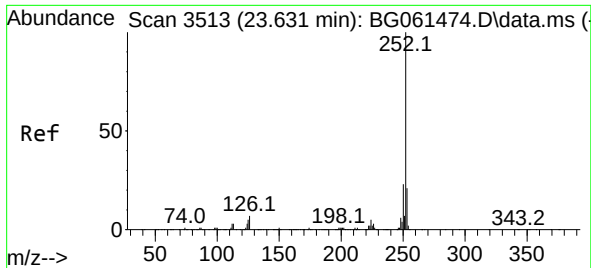
Delta R.T. 0.008 min

Lab File: BG061476.D

Acq: 5 Jun 2024 5:55

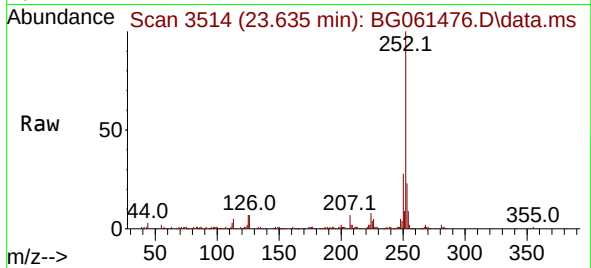
Tgt Ion:	228	Resp:	151387
Ion Ratio	Lower	Upper	
228	100		
226	31.5	23.4	35.0
229	21.8	15.4	23.2





#90
Benzo(b)fluoranthene
Concen: 14.247 ng/ul
RT: 23.635 min Scan# 3513
Delta R.T. 0.019 min
Lab File: BG061476.D
Acq: 5 Jun 2024 5:55

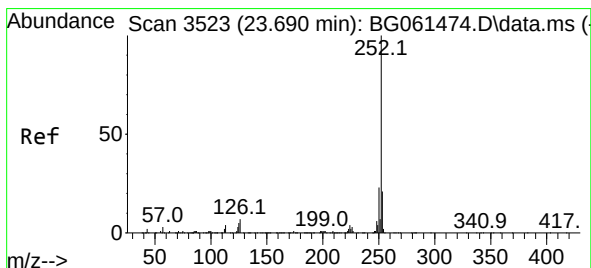
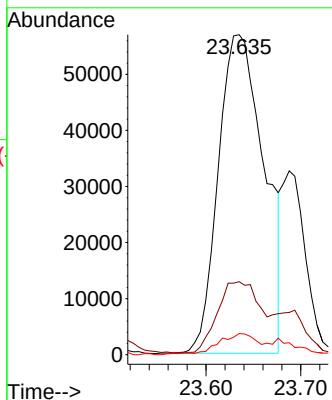
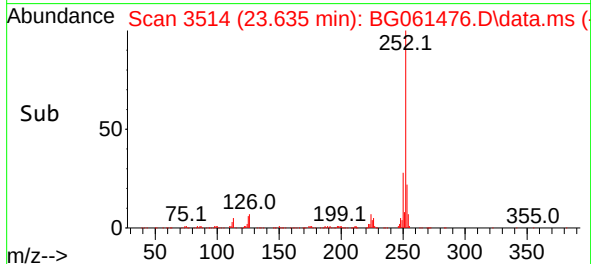
Instrument :
BNA_G
ClientSampleId :
BHBL7DL



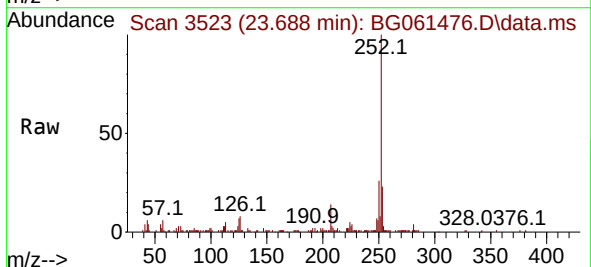
Tgt Ion:252 Resp: 19119
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 6.6 4.6 6.8

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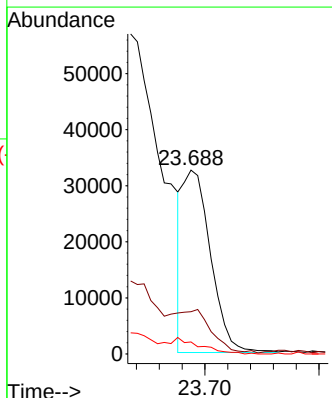
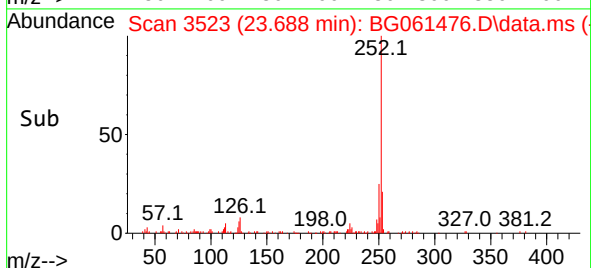
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

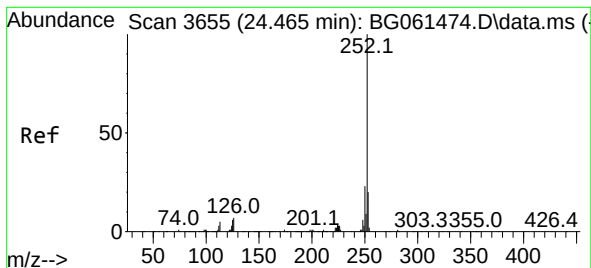


#91
Benzo(k)fluoranthene
Concen: 4.057 ng/ul m
RT: 23.688 min Scan# 3523
Delta R.T. 0.008 min
Lab File: BG061476.D
Acq: 5 Jun 2024 5:55



Tgt Ion:252 Resp: 55271
Ion Ratio Lower Upper
252 100
253 23.0 16.0 24.0
125 6.5 4.3 6.5#





#93

Benzo(a)pyrene

Concen: 10.706 ng/ul

RT: 24.463 min Scan# 30

Delta R.T. 0.014 min

Lab File: BG061476.D

Acq: 5 Jun 2024 5:55

Instrument :

BNA_G

ClientSampleId :

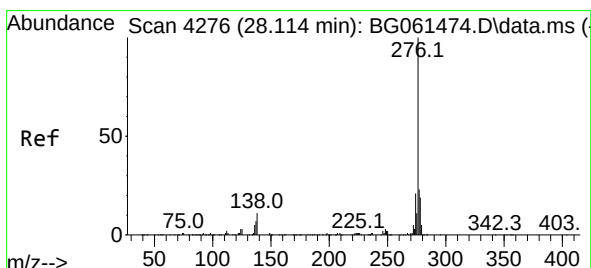
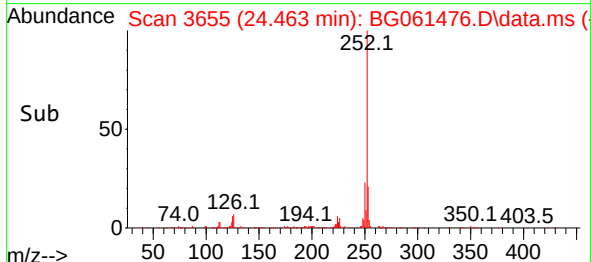
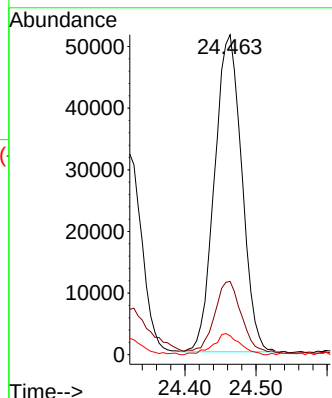
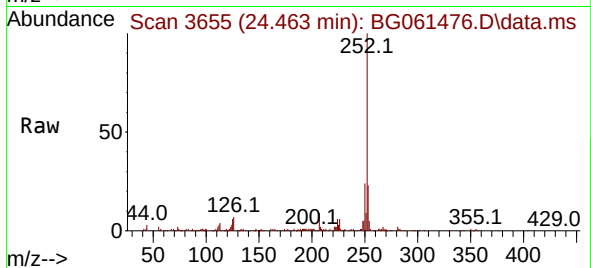
BHBL7DL

Tgt Ion:252 Resp: 136432
 Ion Ratio Lower Upper
 252 100
 253 22.9 16.4 24.6
 125 5.9 4.3 6.5

Manual Integrations

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



#94

Indeno(1,2,3-cd)pyrene

Concen: 5.365 ng/ul m

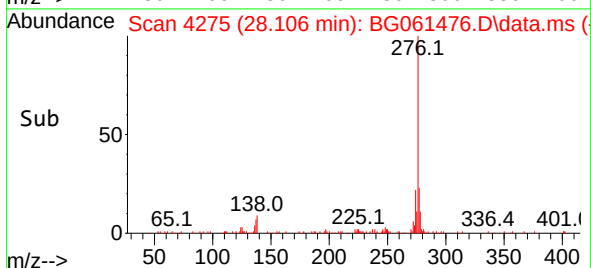
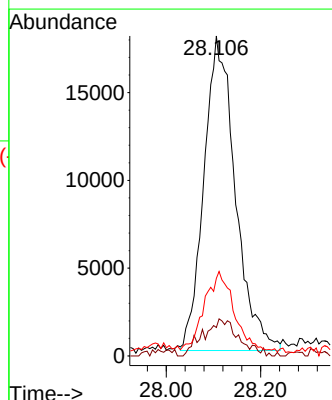
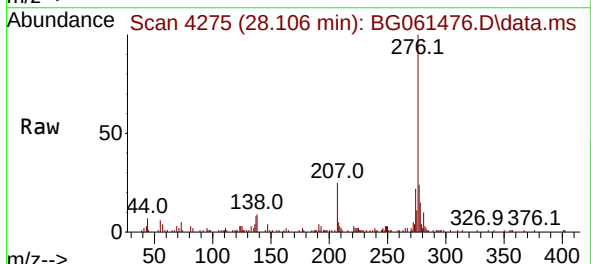
RT: 28.106 min Scan# 4275

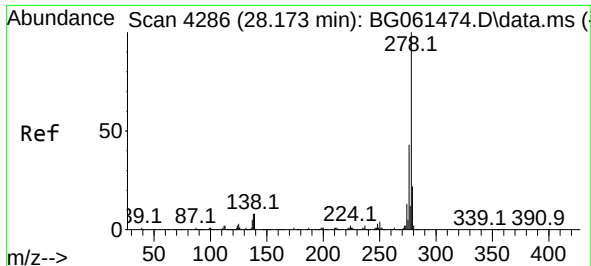
Delta R.T. 0.014 min

Lab File: BG061476.D

Acq: 5 Jun 2024 5:55

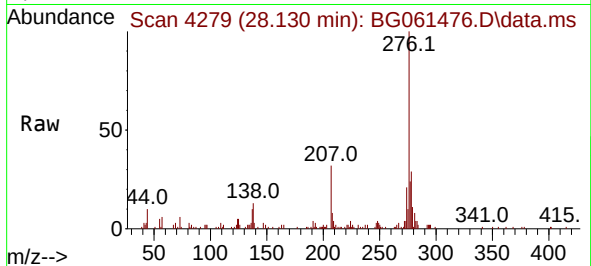
Tgt Ion:276 Resp: 82680
 Ion Ratio Lower Upper
 276 100
 138 8.9 8.6 13.0
 277 24.2 19.7 29.5





#95
Dibenzo(a,h)anthracene
Concen: 1.843 ng/ul m
RT: 28.130 min Scan# 4286
Delta R.T. -0.010 min
Lab File: BG061476.D
Acq: 5 Jun 2024 5:55

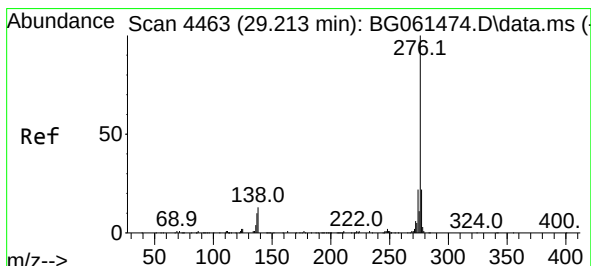
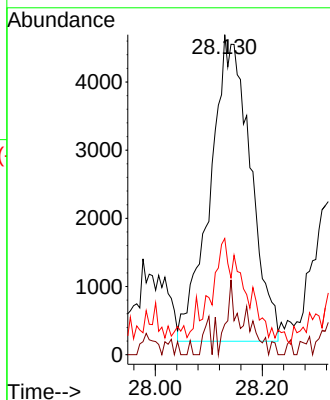
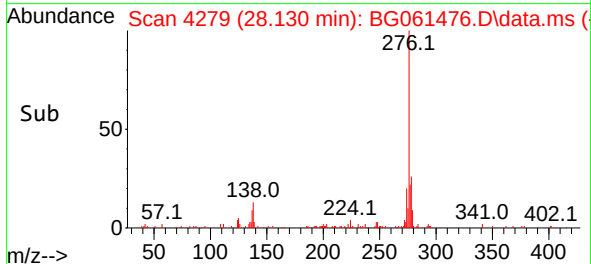
Instrument :
BNA_G
ClientSampleId :
BHBL7DL



Tgt Ion:278 Resp: 2341
Ion Ratio Lower Upper
278 100
139 9.5 6.4 9.6
279 36.3 19.9 29.9

Manual Integrations
APPROVED

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



#96
Benzo(g,h,i)perylene
Concen: 5.848 ng/ul m
RT: 29.211 min Scan# 4463
Delta R.T. 0.037 min
Lab File: BG061476.D
Acq: 5 Jun 2024 5:55

Tgt Ion:276 Resp: 71690
Ion Ratio Lower Upper
276 100
138 9.8 8.7 13.1
277 23.2 18.2 27.2

