

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
 Data File : BG061477.D
 Acq On : 5 Jun 2024 6:36
 Operator : MA/JU
 Sample : P2549-13DL 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH629DL

Manual Integrations
 APPROVED

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

Quant Time: Jun 05 07:11:06 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	7.875	152	36075	20.000	ng/u1	0.00
20) Naphthalene-d8	10.666	136	140548	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.509	164	105578	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.264	188	245182	20.000	ng/u1	0.00
79) Chrysene-d12	21.518	240	260194	20.000	ng/u1	0.00
88) Perylene-d12	24.609	264	308389	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.334	96	1390	2.156	ng/uL	0.00
4) Pyridine-d5	3.739	84	14619	6.375	ng/u1	0.00
7) Phenol-d5	7.065	99	27387	9.245	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.200	67	17169	9.220	ng/u1	0.00
11) 2-Chlorophenol-d4	7.417	132	23051	10.514	ng/u1	0.00
15) 4-Methylphenol-d8	8.592	113	25173	9.965	ng/u1	0.00
21) Nitrobenzene-d5	9.033	128	12451	11.506	ng/u1	0.00
24) 2-Nitrophenol-d4	9.750	143	13914	10.987	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.308	165	28284	11.456	ng/u1	0.00
31) 4-Chloroaniline-d4	10.801	131	21443	6.638	ng/u1	0.00
46) Dimethylphthalate-d6	13.915	166	93201	11.382	ng/u1	0.00
49) Acenaphthylene-d8	14.203	160	102328	12.020	ng/u1	0.00
54) 4-Nitrophenol-d4	14.761	143	7706m	7.612	ng/u1	0.02
60) Fluorene-d10	15.502	176	77972	11.029	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.654	200	8679	5.853	ng/u1	0.02
73) Anthracene-d10	17.358	188	127678	11.812	ng/u1	0.00
81) Pyrene-d10	19.656	212	157935	11.822	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.397	264	175078	11.809	ng/u1	0.01
Target Compounds					Qvalue	
52) Acenaphthene	14.573	153	12719	2.054	ng/u1	97
56) Dibenzofuran	14.908	168	10777	1.217	ng/u1	96
61) Fluorene	15.560	166	12882	1.682	ng/u1	95
72) Phenanthrene	17.305	178	308014	25.883	ng/u1	98
74) Anthracene	17.394	178	59728	4.854	ng/u1	97
77) Carbazole	17.664	167	26632	2.661	ng/u1	96
80) Fluoranthene	19.321	202	555819	34.681	ng/u1	99
82) Pyrene	19.685	202	486928	29.270	ng/u1	99
83) Butylbenzylphthalate	20.572	149	6190	1.083	ng/u1	97
85) Benzo(a)anthracene	21.501	228	290647	16.189	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.407	149	19011	2.247	ng/u1#	96
87) Chrysene	21.559	228	274758	16.620	ng/u1	97
90) Benzo(b)fluoranthene	23.639	252	365112	19.885	ng/u1	99
91) Benzo(k)fluoranthene	23.686	252	117026m	6.278	ng/u1	
93) Benzo(a)pyrene	24.462	252	253954	14.565	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	28.116	276	170723m	8.097	ng/u1	
95) Dibenzo(a,h)anthracene	28.152	278	42532	2.446	ng/u1#	94
96) Benzo(g,h,i)perylene	29.215	276	158218m	9.433	ng/u1	

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

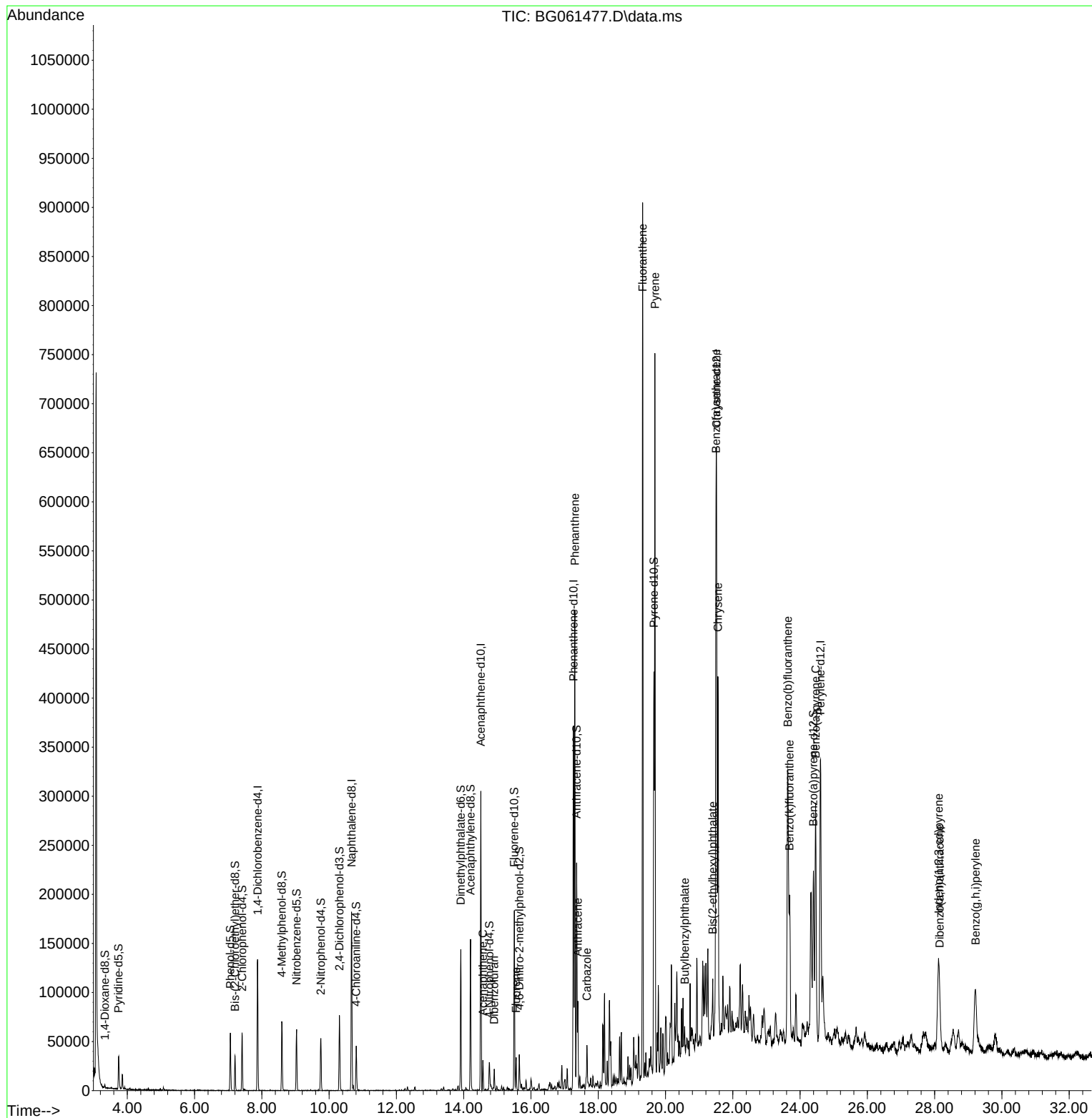
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
 Data File : BG061477.D
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 Operator : MA/JU
 Sample : P2549-13DL 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

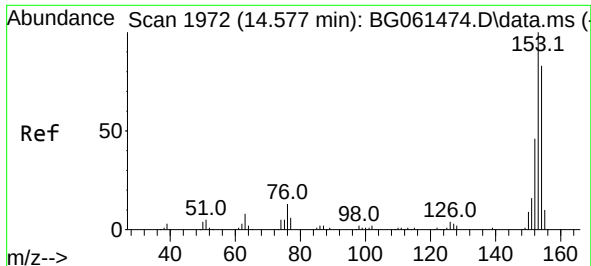
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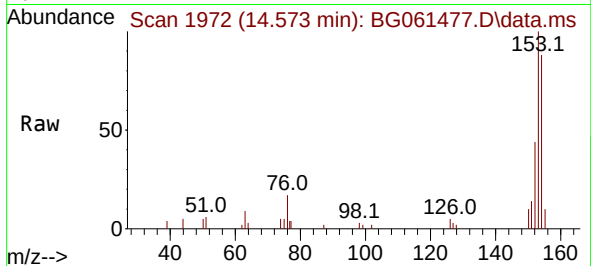
Quant Time: Jun 05 07:11:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 30 22:54:48 2024
 Response via : Initial Calibration





#52
Acenaphthene
Concen: 2.054 ng/u1
RT: 14.573 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BG061477.D
Acq: 5 Jun 2024 6:36

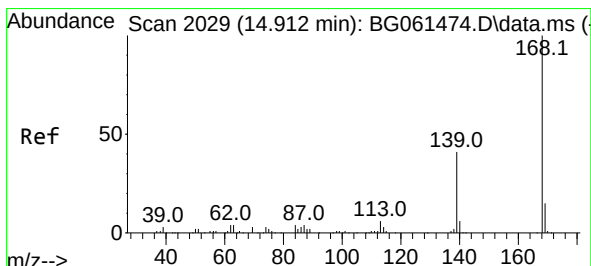
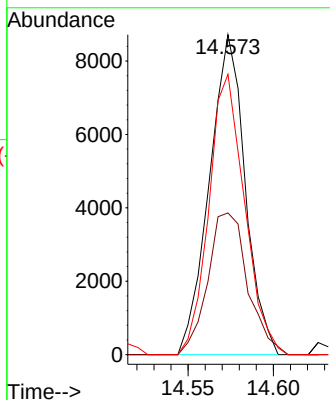
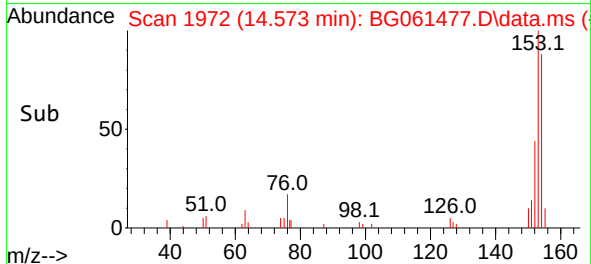
Instrument :
BNA_G
ClientSampleId :
BH629DL



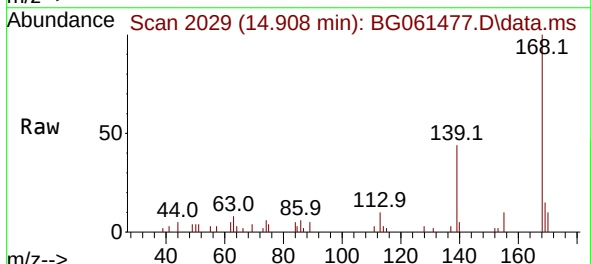
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Ion Ratio Lower Upper
153 100
152 44.3 37.8 56.8
154 87.6 69.0 103.6

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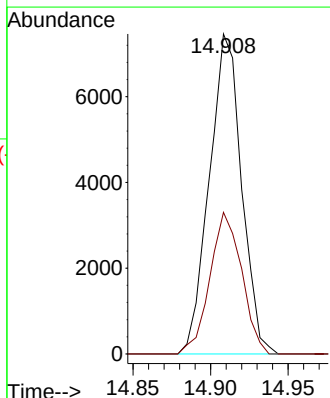
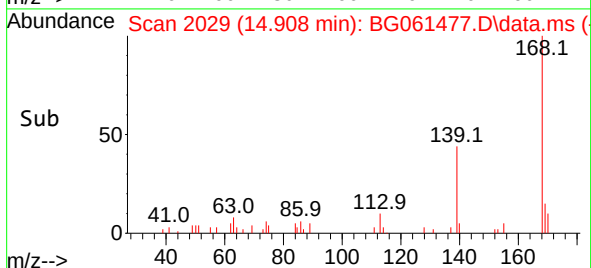
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

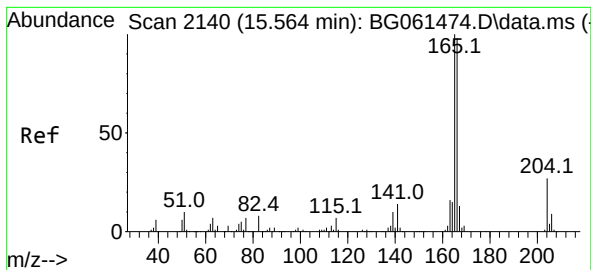


#56
Dibenzofuran
Concen: 1.217 ng/u1
RT: 14.908 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BG061477.D
Acq: 5 Jun 2024 6:36



Tgt Ion:168 Resp: 10777
Ion Ratio Lower Upper
168 100
139 44.3 33.4 50.2





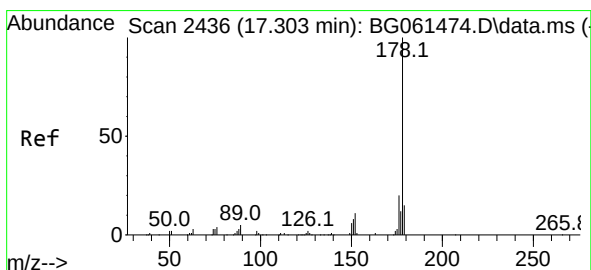
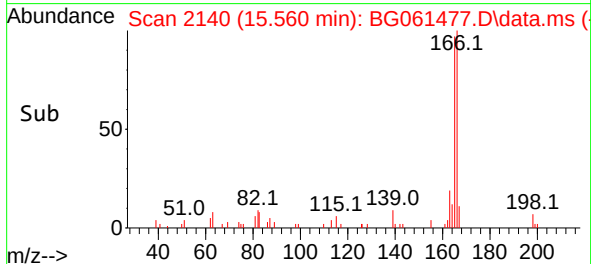
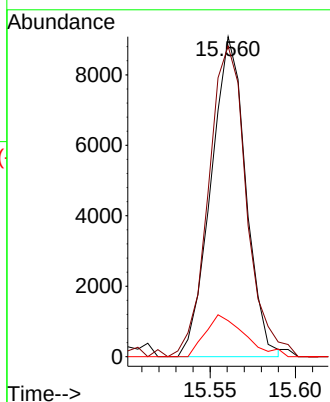
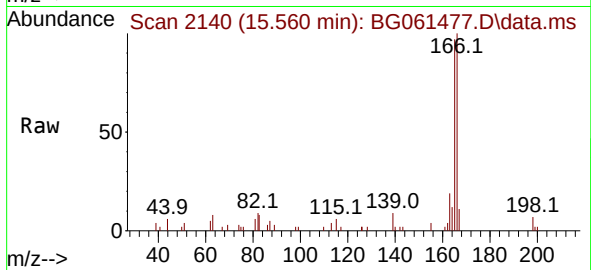
#61
Fluorene
Concen: 1.682 ng/ul
RT: 15.560 min Scan# 2140
Delta R.T. 0.000 min
Lab File: BG061477.D
Acq: 5 Jun 2024 6:36

Instrument :
BNA_G
ClientSampleId :
BH629DL

Tgt Ion:166 Resp: 1288
Ion Ratio Lower Upper
166 100
165 97.1 81.8 122.8
167 11.3 10.6 16.0

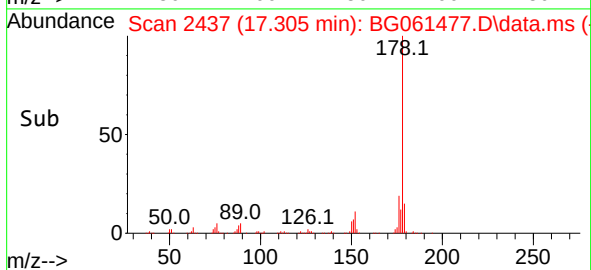
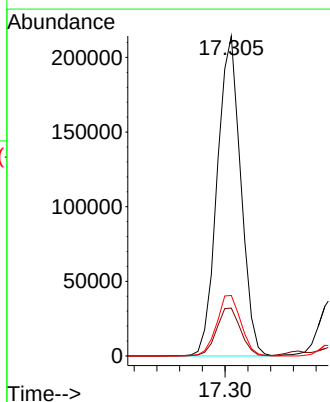
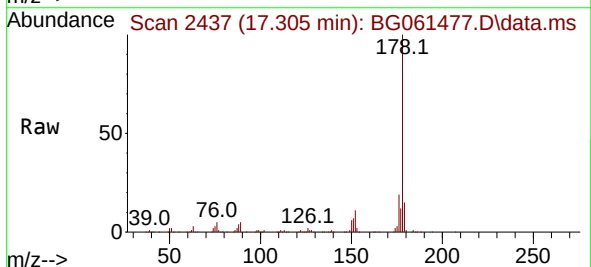
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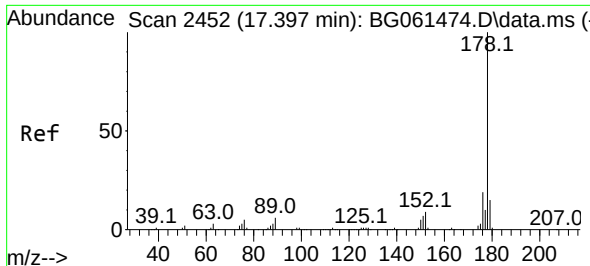
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#72
Phenanthrene
Concen: 25.883 ng/ul
RT: 17.305 min Scan# 2437
Delta R.T. 0.006 min
Lab File: BG061477.D
Acq: 5 Jun 2024 6:36

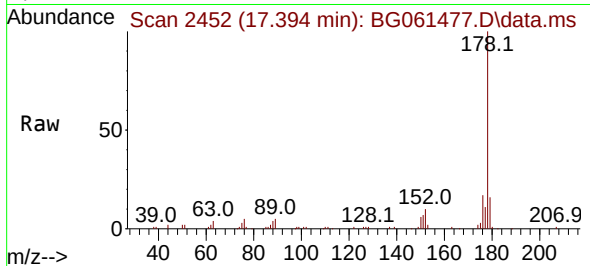
Tgt Ion:178 Resp: 308014
Ion Ratio Lower Upper
178 100
179 15.0 12.7 19.1
176 18.9 15.5 23.3





#74
 Anthracene
 Concen: 4.854 ng/u1
 RT: 17.394 min Scan# 2452
 Delta R.T. 0.000 min
 Lab File: BG061477.D
 Acq: 5 Jun 2024 6:36

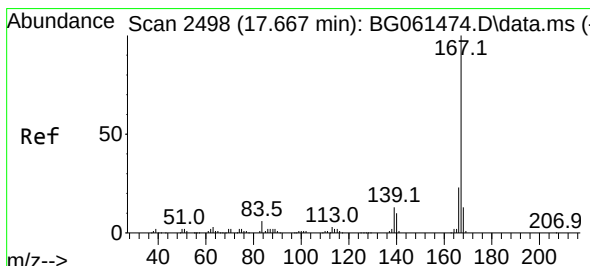
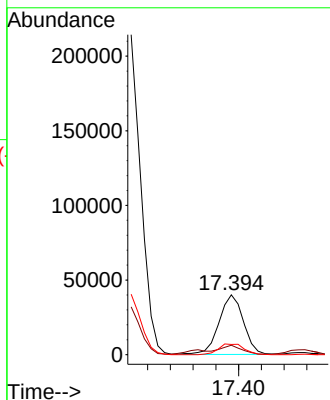
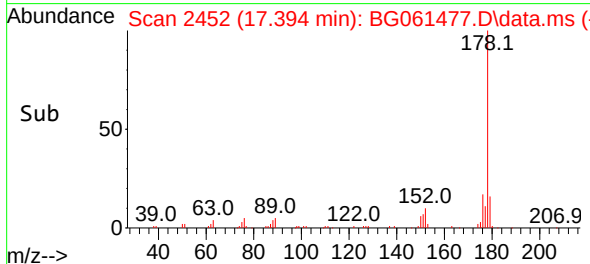
Instrument :
 BNA_G
 ClientSampleId :
 BH629DL



Tgt Ion:178 Resp: 59728
 Ion Ratio Lower Upper
 178 100
 179 15.8 11.8 17.6
 176 17.2 14.9 22.3

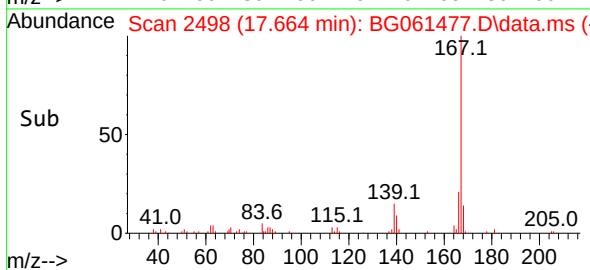
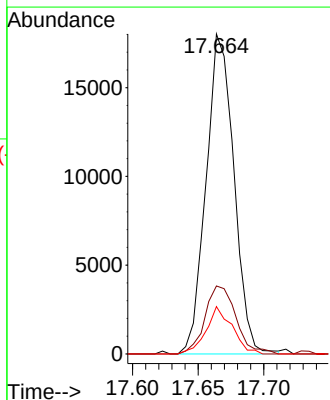
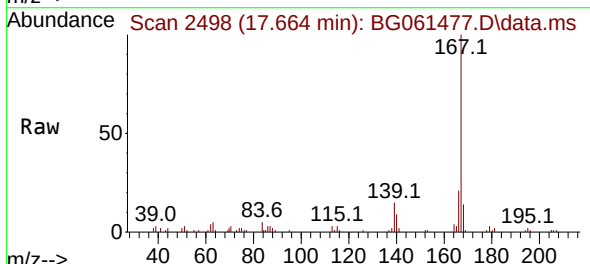
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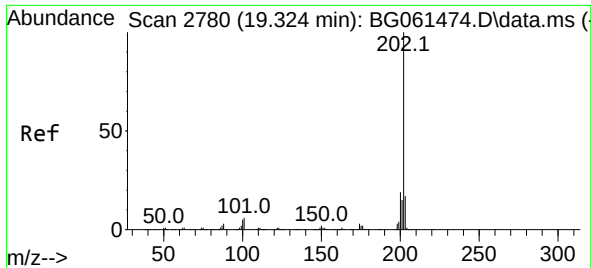
Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024



#77
 Carbazole
 Concen: 2.661 ng/u1
 RT: 17.664 min Scan# 2498
 Delta R.T. 0.000 min
 Lab File: BG061477.D
 Acq: 5 Jun 2024 6:36

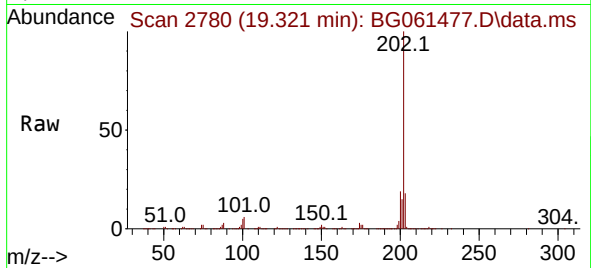
Tgt Ion:167 Resp: 26632
 Ion Ratio Lower Upper
 167 100
 166 21.2 18.6 28.0
 139 14.8 10.6 15.8





#80
Fluoranthene
Concen: 34.681 ng/u1
RT: 19.321 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG061477.D
Acq: 5 Jun 2024 6:36

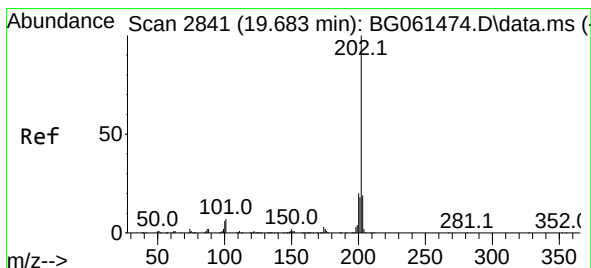
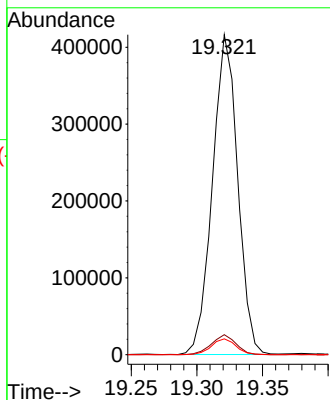
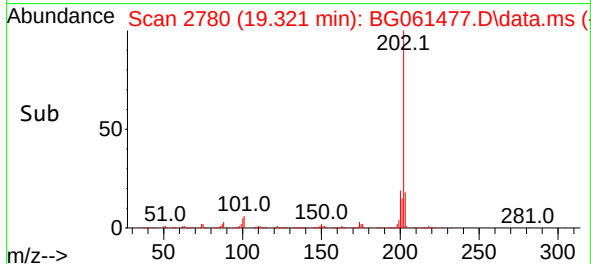
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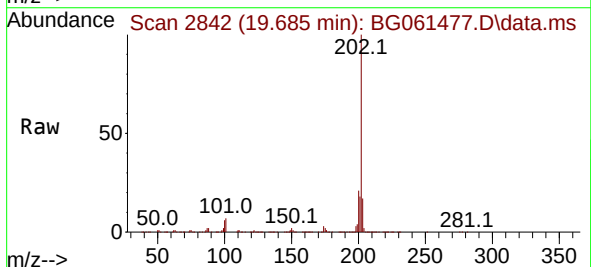
Tgt Ion:202 Resp: 555819
Ion Ratio Lower Upper
202 100
101 6.3 4.8 7.2
100 5.0 4.1 6.1

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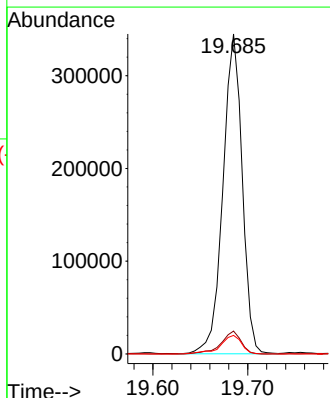
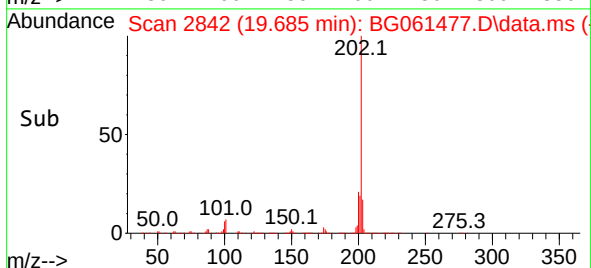
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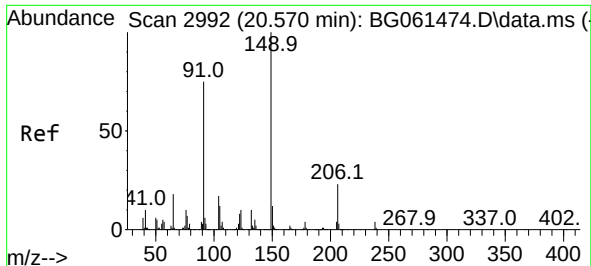


#82
Pyrene
Concen: 29.270 ng/u1
RT: 19.685 min Scan# 2842
Delta R.T. 0.006 min
Lab File: BG061477.D
Acq: 5 Jun 2024 6:36



Tgt Ion:202 Resp: 486928
Ion Ratio Lower Upper
202 100
101 7.2 5.7 8.5
100 5.8 5.1 7.7





#83
Butylbenzylphthalate
Concen: 1.083 ng/ul
RT: 20.572 min Scan# 2992
Delta R.T. 0.000 min
Lab File: BG061477.D
Acq: 5 Jun 2024 6:36

Instrument :

BNA_G

ClientSampleId :

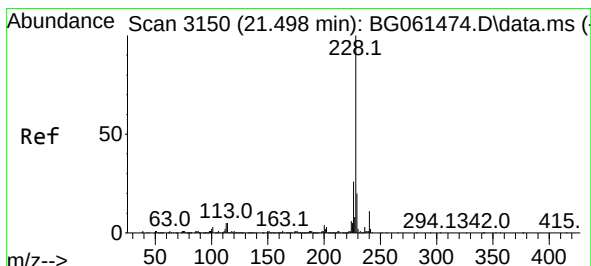
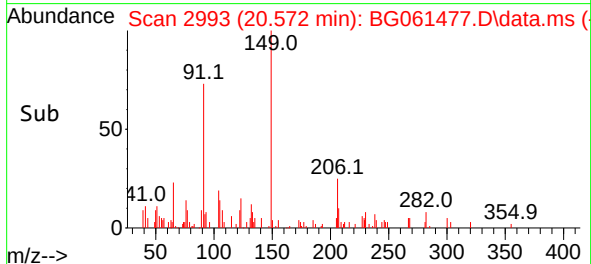
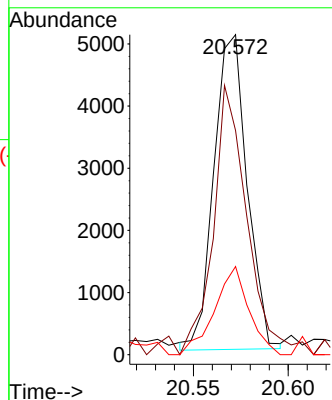
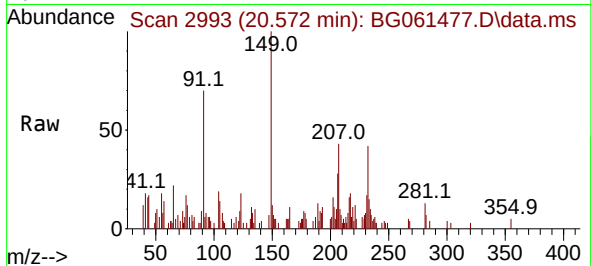
BH629DL

Tgt Ion:149 Resp: 6190
Ion Ratio Lower Upper
149 100
91 70.0 54.8 82.2
206 27.6 19.4 29.0

Manual Integrations

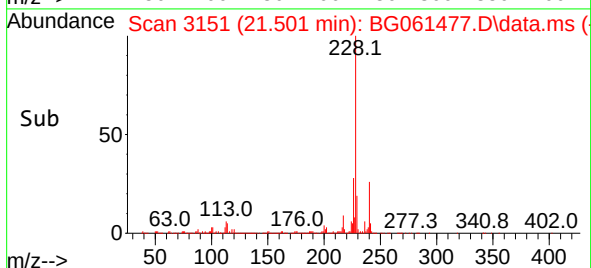
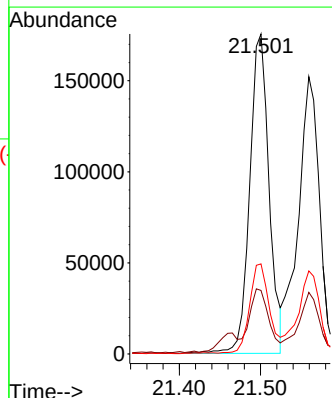
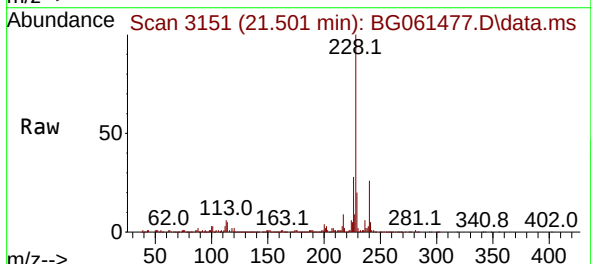
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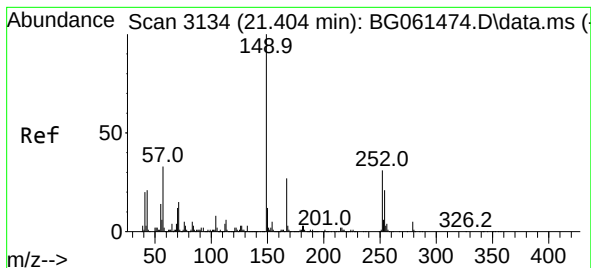
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#85
Benzo(a)anthracene
Concen: 16.189 ng/ul
RT: 21.501 min Scan# 3151
Delta R.T. 0.006 min
Lab File: BG061477.D
Acq: 5 Jun 2024 6:36

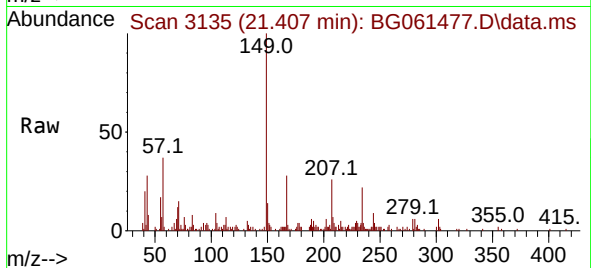
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Ion Ratio Lower Upper
228 100
229 19.9 15.2 22.8
226 28.2 21.4 32.2





#86
Bis(2-ethylhexyl)phthalate
Concen: 2.247 ng/ul
RT: 21.407 min Scan# 3135
Delta R.T. 0.000 min
Lab File: BG061477.D
Acq: 5 Jun 2024 6:36

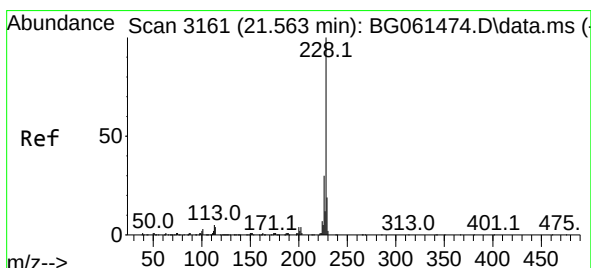
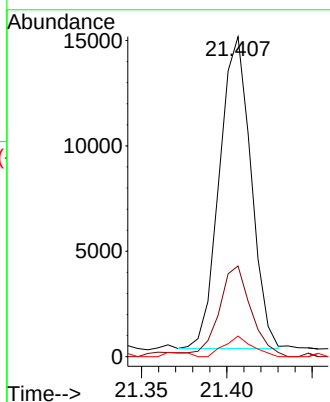
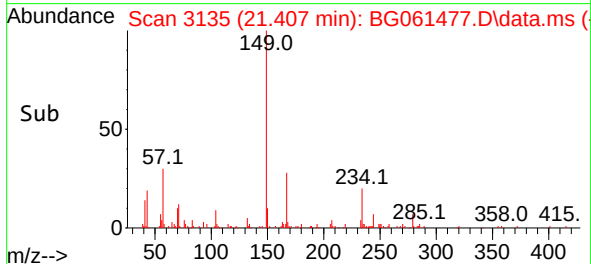
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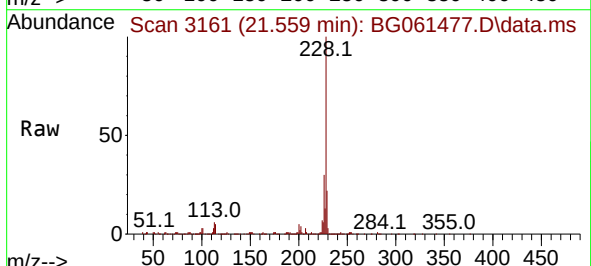
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Ion Ratio Lower Upper
149 100
167 28.3 21.1 31.7
279 6.5 3.3 4.9

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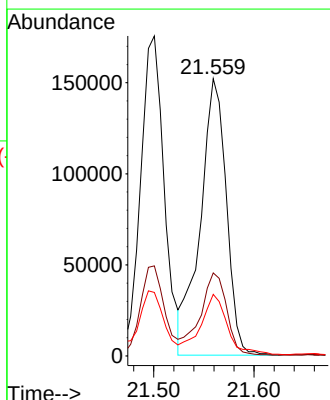
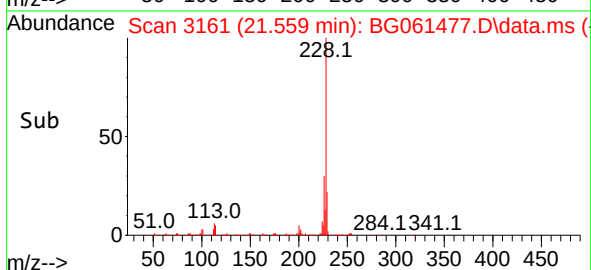
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Supervised By :mohammad ahmed 06/07/2024

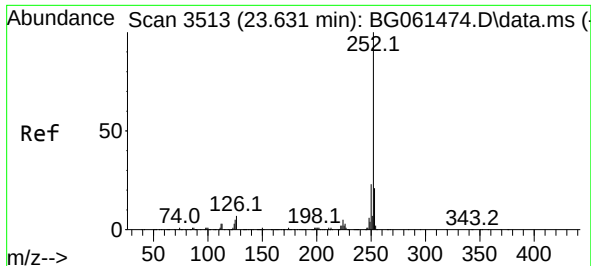


#87
Chrysene
Concen: 16.620 ng/ul
RT: 21.559 min Scan# 3161
Delta R.T. 0.006 min
Lab File: BG061477.D
Acq: 5 Jun 2024 6:36



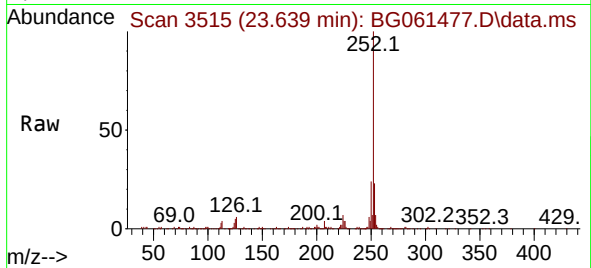
Tgt Ion:228 Resp: 274758
Ion Ratio Lower Upper
228 100
226 30.0 23.4 35.0
229 22.2 15.4 23.2





#90
Benzo(b)fluoranthene
Concen: 19.885 ng/ul
RT: 23.639 min Scan# 3513
Delta R.T. 0.024 min
Lab File: BG061477.D
Acq: 5 Jun 2024 6:36

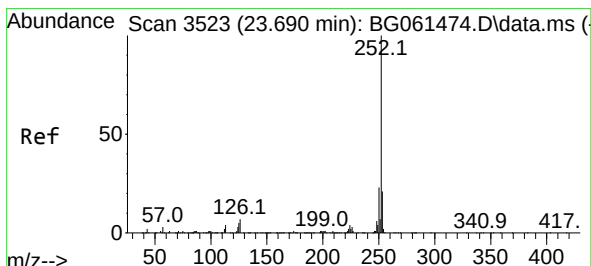
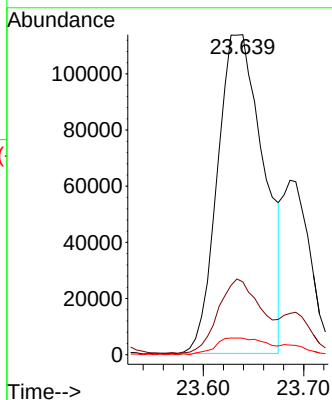
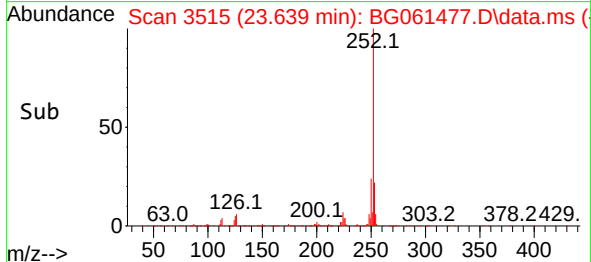
Instrument :
BNA_G
ClientSampleId :
BH629DL



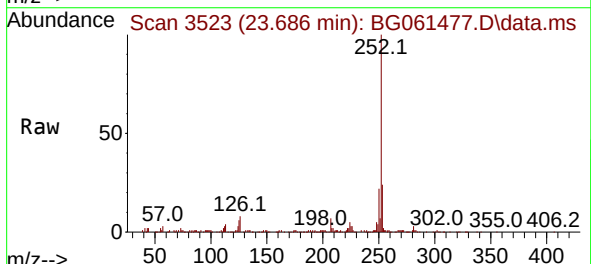
Tgt Ion:252 Resp: 36511
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 5.2 4.6 6.8

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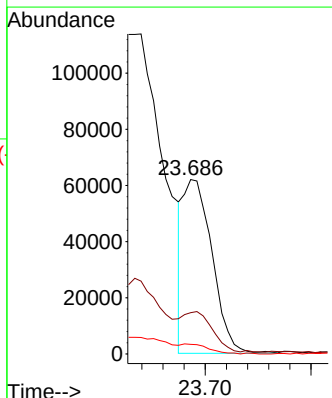
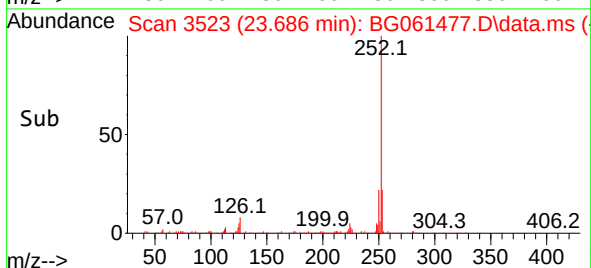
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

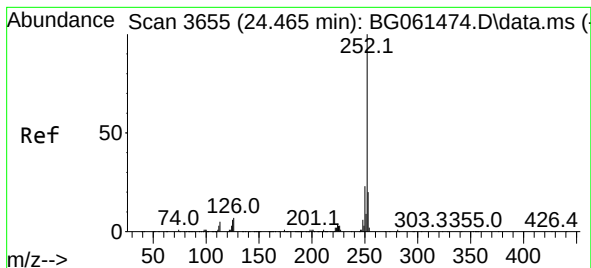


#91
Benzo(k)fluoranthene
Concen: 6.278 ng/ul m
RT: 23.686 min Scan# 3523
Delta R.T. 0.006 min
Lab File: BG061477.D
Acq: 5 Jun 2024 6:36



Tgt Ion:252 Resp: 117026
Ion Ratio Lower Upper
252 100
253 23.6 16.0 24.0
125 5.5 4.3 6.5





#93

Benzo(a)pyrene

Concen: 14.565 ng/ul

RT: 24.462 min Scan# 30

Delta R.T. 0.012 min

Lab File: BG061477.D

Acq: 5 Jun 2024 6:36

Instrument :

BNA_G

ClientSampleId :

BH629DL

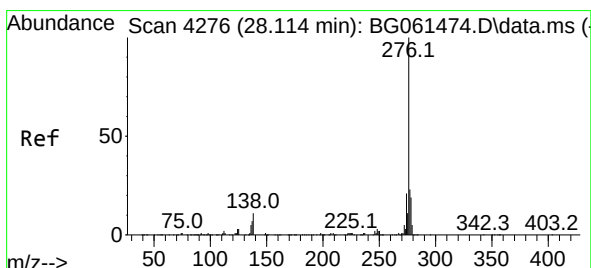
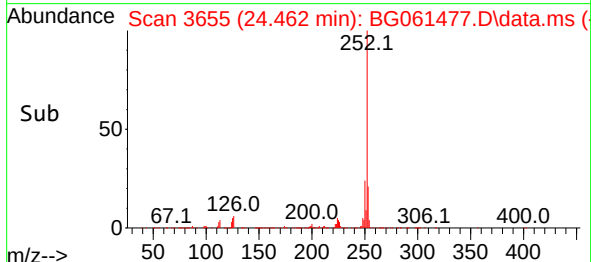
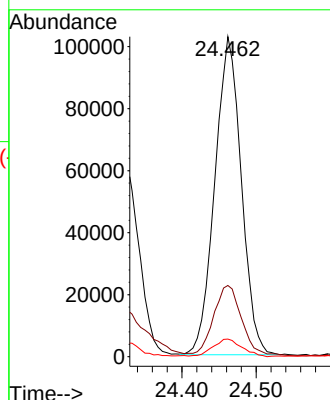
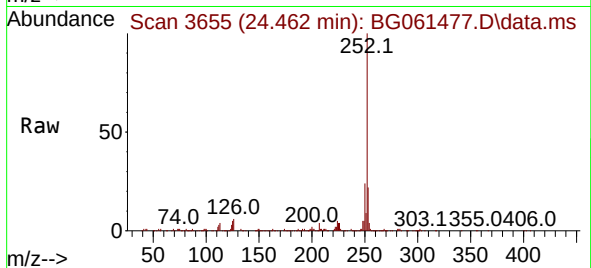
Tgt Ion:252 Resp: 253954

Ion	Ratio	Lower	Upper
252	100		
253	22.2	16.4	24.6
125	5.5	4.3	6.5

Manual Integrations

APPROVED

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



#94

Indeno(1,2,3-cd)pyrene

Concen: 8.097 ng/ul m

RT: 28.116 min Scan# 4277

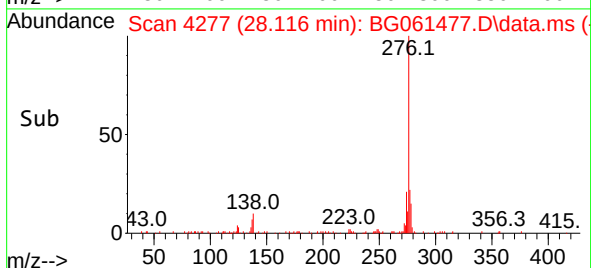
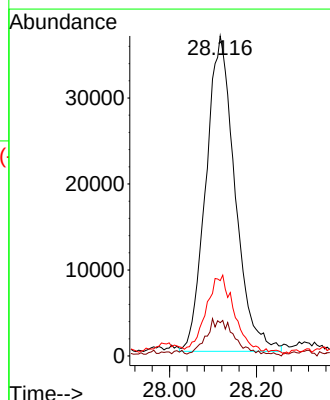
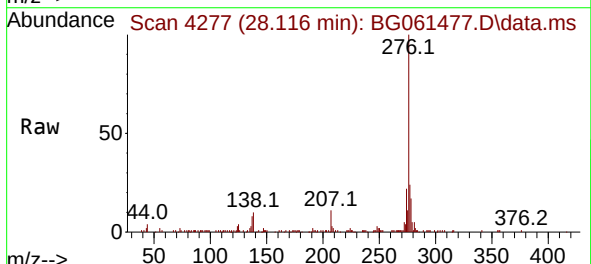
Delta R.T. 0.024 min

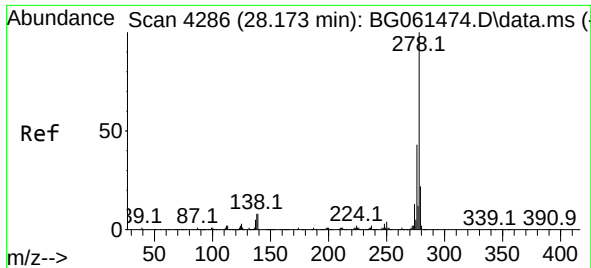
Lab File: BG061477.D

Acq: 5 Jun 2024 6:36

Tgt Ion:276 Resp: 170723

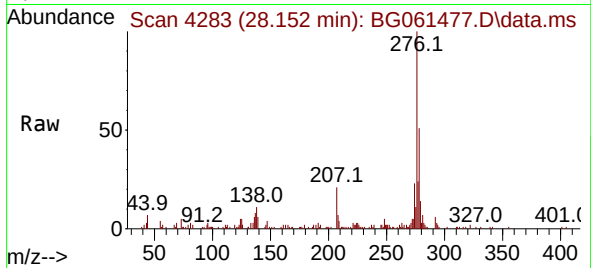
Ion	Ratio	Lower	Upper
276	100		
138	10.4	8.6	13.0
277	23.6	19.7	29.5





#95
 Dibenzo(a,h)anthracene
 Concen: 2.446 ng/ul
 RT: 28.152 min Scan# 41
 Delta R.T. 0.012 min
 Lab File: BG061477.D
 Acq: 5 Jun 2024 6:36

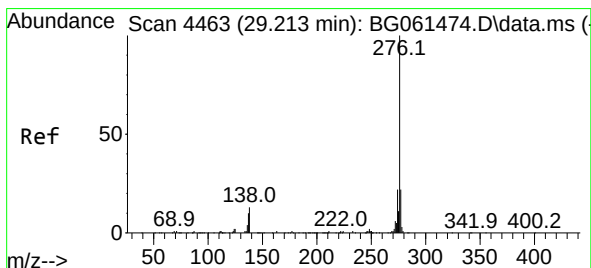
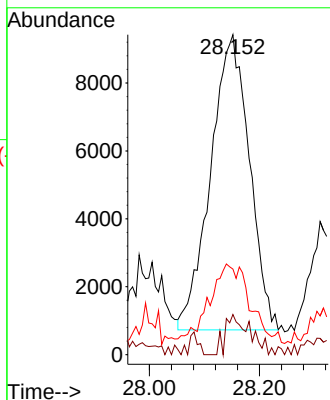
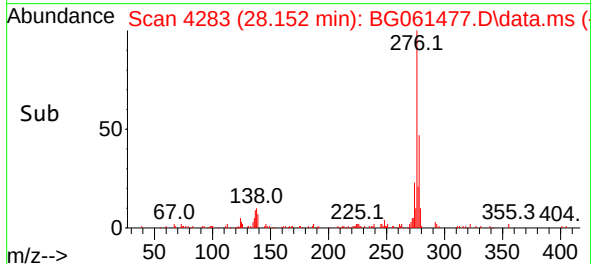
Instrument :
 BNA_G
 ClientSampleId :
 BH629DL



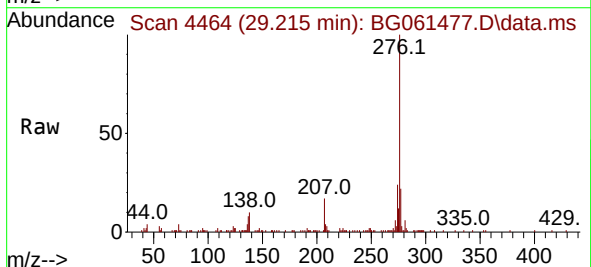
Tgt Ion:278 Resp: 4253
 Ion Ratio Lower Upper
 278 100
 139 12.6 6.4 9.6
 279 26.8 19.9 29.9

Manual Integrations
 APPROVED

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



#96
 Benzo(g,h,i)perylene
 Concen: 9.433 ng/ul m
 RT: 29.215 min Scan# 4464
 Delta R.T. 0.041 min
 Lab File: BG061477.D
 Acq: 5 Jun 2024 6:36



Tgt Ion:276 Resp: 158218
 Ion Ratio Lower Upper
 276 100
 138 10.0 8.7 13.1
 277 21.9 18.2 27.2

