

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053124\
 Data File : BG061399.D
 Acq On : 31 May 2024 18:53
 Operator : MA/JU
 Sample : P2588-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH5S7

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/03/2024
 Supervised By :mohammad ahmed 06/04/2024

Quant Time: May 31 22:47:56 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	7.871	152	22930	20.000	ng/u1	0.00
20) Naphthalene-d8	10.668	136	89410	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.510	164	68275	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.260	188	170537	20.000	ng/u1	0.00
79) Chrysene-d12	21.508	240	176943	20.000	ng/u1	0.00
88) Perylene-d12	24.587	264	203615	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.329	96	1753	4.278	ng/uL	0.00
4) Pyridine-d5	3.741	84	27790	19.065	ng/u1	0.00
7) Phenol-d5	7.054	99	33939	18.024	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.201	67	23283	19.672	ng/u1	0.00
11) 2-Chlorophenol-d4	7.413	132	27895	20.017	ng/u1	0.00
15) 4-Methylphenol-d8	8.588	113	27025	16.831	ng/u1	0.00
21) Nitrobenzene-d5	9.029	128	15274	22.188	ng/u1	0.00
24) 2-Nitrophenol-d4	9.751	143	16873	20.943	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.298	165	34239	21.799	ng/u1	0.00
31) 4-Chloroaniline-d4	10.803	131	36343	17.687	ng/u1	0.00
46) Dimethylphthalate-d6	13.917	166	116220	21.948	ng/u1	0.00
49) Acenaphthylene-d8	14.199	160	126116	22.909	ng/u1	0.00
54) 4-Nitrophenol-d4	14.745	143	13393	20.458	ng/u1	0.00
60) Fluorene-d10	15.503	176	107955	23.614	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.639	200	19500	18.906	ng/u1	0.00
73) Anthracene-d10	17.354	188	197425	26.259	ng/u1	0.00
81) Pyrene-d10	19.651	212	247615	27.255	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.381	264	269203	27.501	ng/u1	0.00
Target Compounds					Qvalue	
61) Fluorene	15.556	166	6308	1.273	ng/u1	94
72) Phenanthrene	17.301	178	104033	12.569	ng/u1	97
74) Anthracene	17.389	178	14821	1.732	ng/u1	95
77) Carbazole	17.666	167	11227	1.613	ng/u1	97
80) Fluoranthene	19.317	202	265140	24.327	ng/u1	98
82) Pyrene	19.681	202	238265	21.061	ng/u1	98
85) Benzo(a)anthracene	21.490	228	133772	10.957	ng/u1	98
87) Chrysene	21.555	228	134447	11.959	ng/u1	98
90) Benzo(b)fluoranthene	23.623	252	170209	14.040	ng/u1	99
91) Benzo(k)fluoranthene	23.676	252	66056m	5.367	ng/u1	
93) Benzo(a)pyrene	24.446	252	127452	11.071	ng/u1#	91
94) Indeno(1,2,3-cd)pyrene	28.083	276	87431	6.280	ng/u1	98
95) Dibenzo(a,h)anthracene	28.130	278	24255m	2.113	ng/u1	
96) Benzo(g,h,i)perylene	29.176	276	83325m	7.524	ng/u1	

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

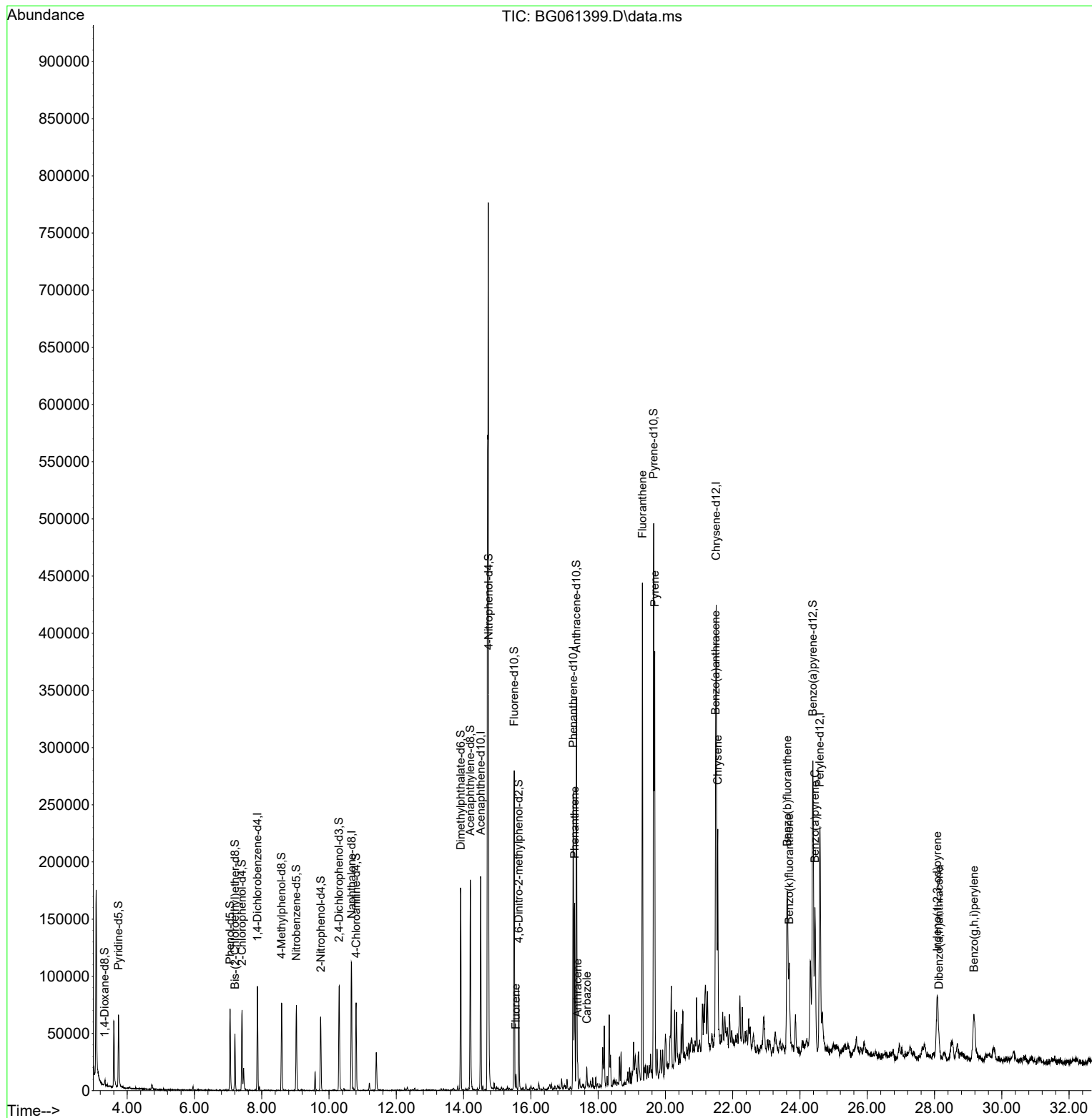
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053124\
 Data File : BG061399.D
 Acq On : 31 May 2024 18:53
 Operator : MA/JU
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 ALS Vial : 9 Sample Multiplier: 1

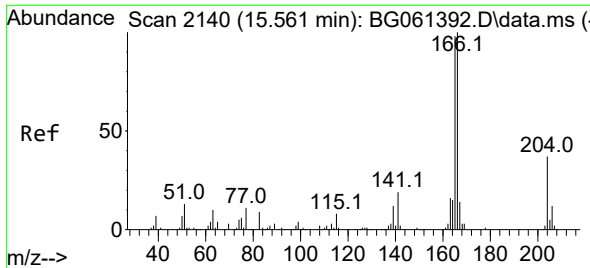
Instrument :
 BNA_G
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 BH5S7

Quant Time: May 31 22:47:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
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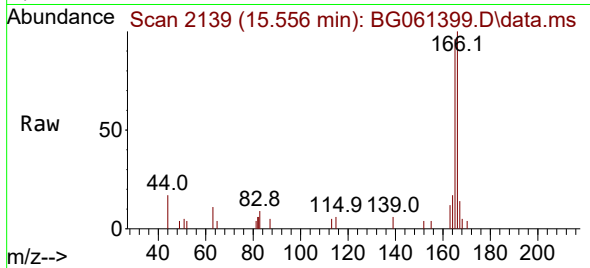
Reviewed By :Jagrut Upadhyay 06/03/2024
 Supervised By :mohammad ahmed 06/04/2024





#61
Fluorene
Concen: 1.273 ng/ul
RT: 15.556 min Scan# 2139
Delta R.T. -0.004 min
Lab File: BG061399.D
Acq: 31 May 2024 18:53

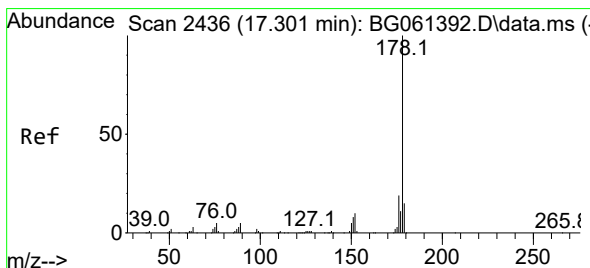
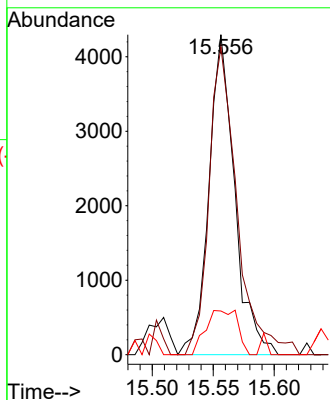
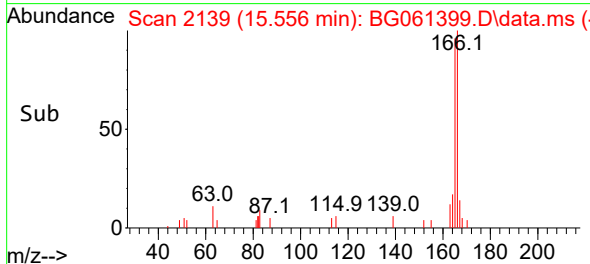
Instrument :
BNA_G
ClientSampleId :
BH5S7



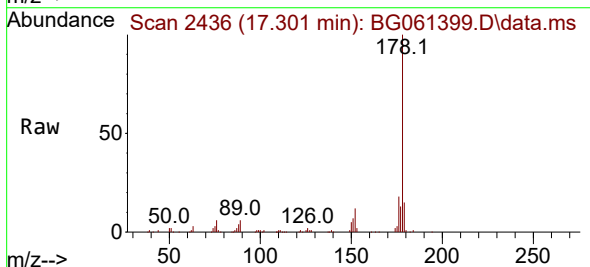
Tgt Ion:166 Resp: 6308
Ion Ratio Lower Upper
166 100
165 96.1 81.8 122.8
167 13.7 10.6 16.0

Manual Integrations
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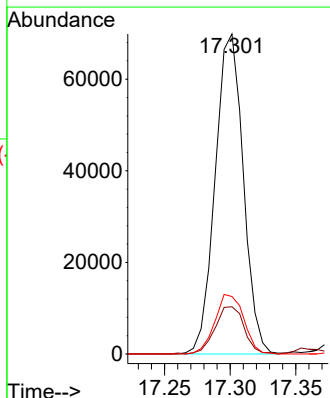
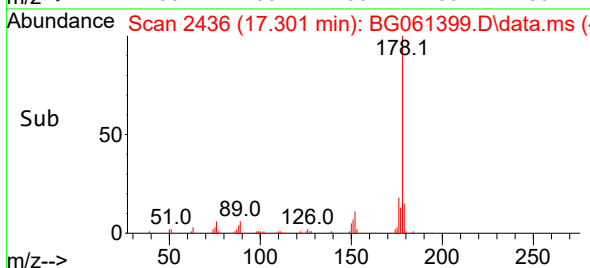
Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024

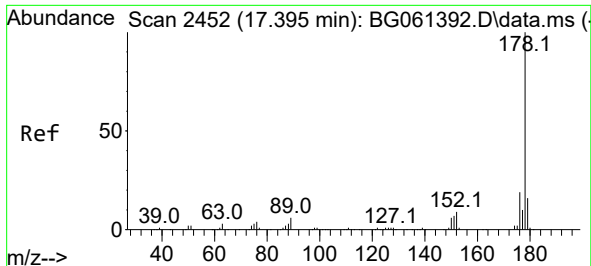


#72
Phenanthrene
Concen: 12.569 ng/ul
RT: 17.301 min Scan# 2436
Delta R.T. 0.002 min
Lab File: BG061399.D
Acq: 31 May 2024 18:53



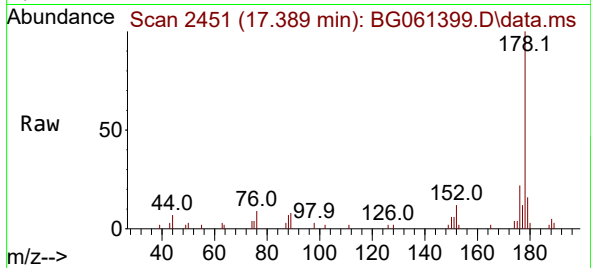
Tgt Ion:178 Resp: 104033
Ion Ratio Lower Upper
178 100
179 14.8 12.7 19.1
176 17.9 15.5 23.3





#74
 Anthracene
 Concen: 1.732 ng/ul
 RT: 17.389 min Scan# 2451
 Delta R.T. -0.004 min
 Lab File: BG061399.D
 Acq: 31 May 2024 18:53

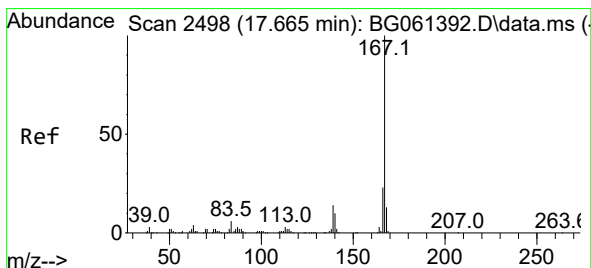
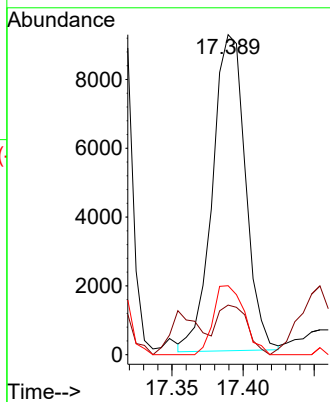
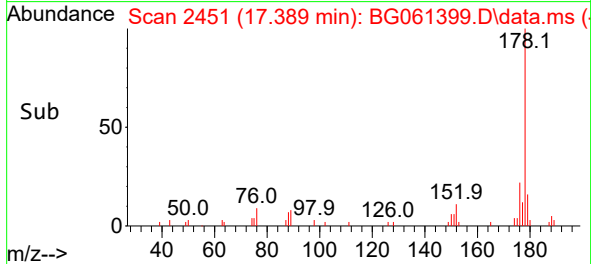
Instrument :
 BNA_G
 ClientSampleId :
 BH5S7



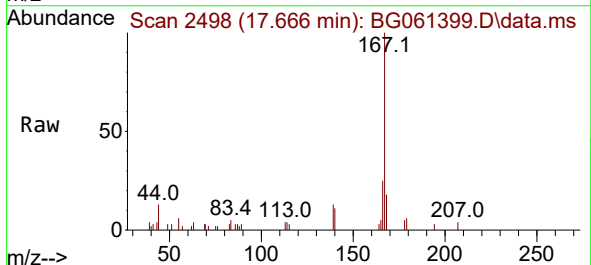
Tgt Ion:178 Resp: 1482
 Ion Ratio Lower Upper
 178 100
 179 15.5 11.8 17.6
 176 21.6 14.9 22.3

Manual Integrations
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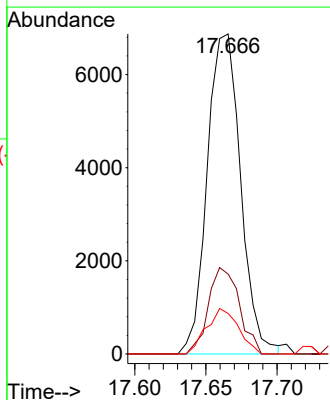
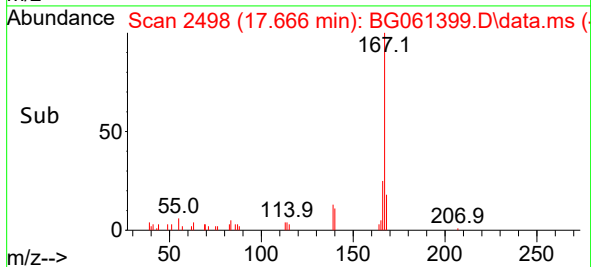
Reviewed By :Jagrut Upadhyay 06/03/2024
 Supervised By :mohammad ahmed 06/04/2024

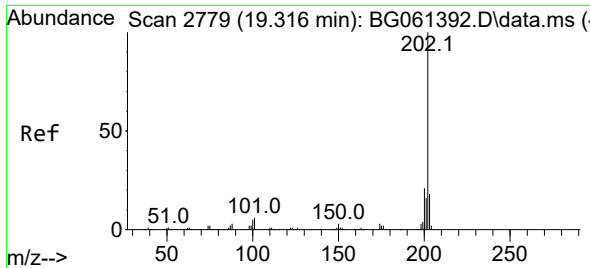


#77
 Carbazole
 Concen: 1.613 ng/ul
 RT: 17.666 min Scan# 2498
 Delta R.T. 0.002 min
 Lab File: BG061399.D
 Acq: 31 May 2024 18:53



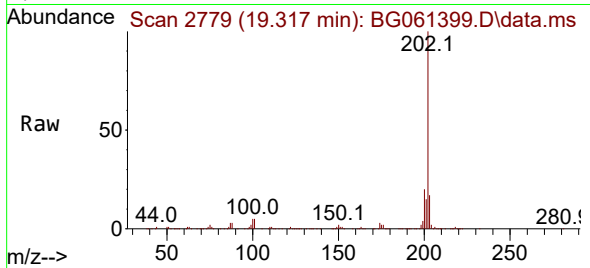
Tgt Ion:167 Resp: 11227
 Ion Ratio Lower Upper
 167 100
 166 25.0 18.6 28.0
 139 12.6 10.6 15.8





#80
Fluoranthene
Concen: 24.327 ng/ul
RT: 19.317 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG061399.D
Acq: 31 May 2024 18:53

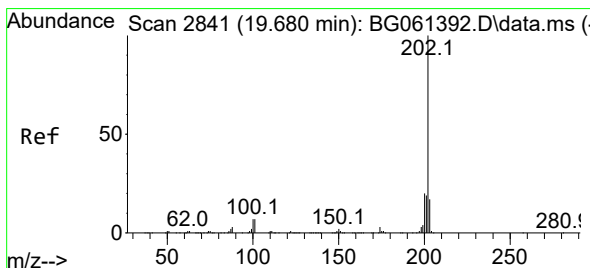
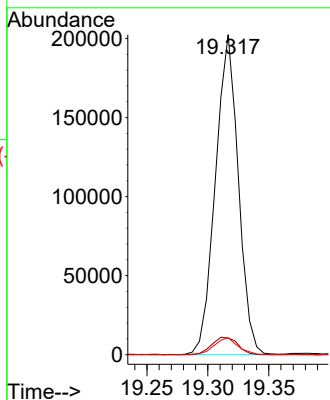
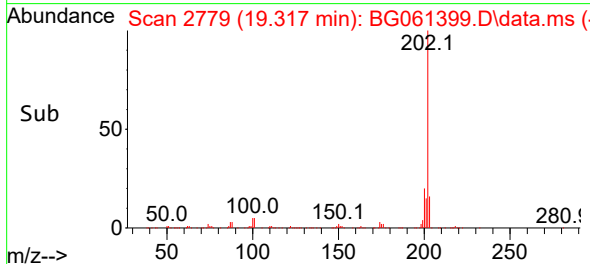
Instrument :
BNA_G
ClientSampleId :
BH5S7



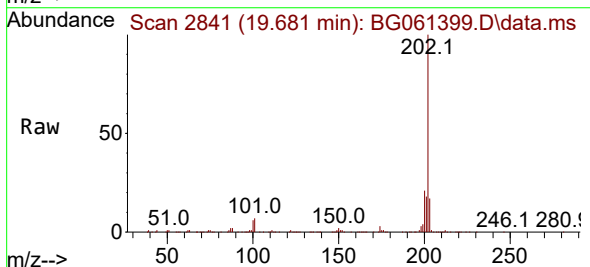
Tgt Ion:202 Resp: 265140
Ion Ratio Lower Upper
202 100
101 5.2 4.8 7.2
100 5.3 4.1 6.1

Manual Integrations
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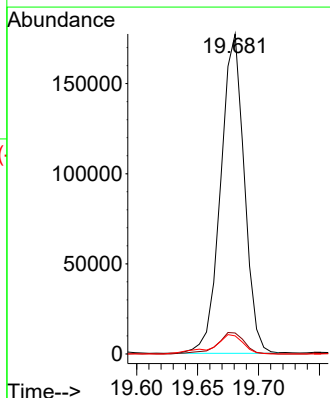
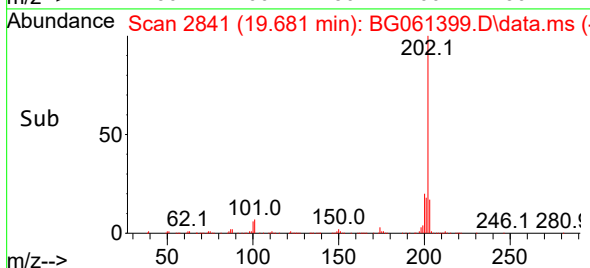
Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024

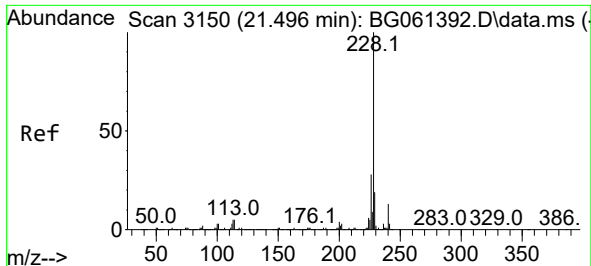


#82
Pyrene
Concen: 21.061 ng/ul
RT: 19.681 min Scan# 2841
Delta R.T. 0.002 min
Lab File: BG061399.D
Acq: 31 May 2024 18:53



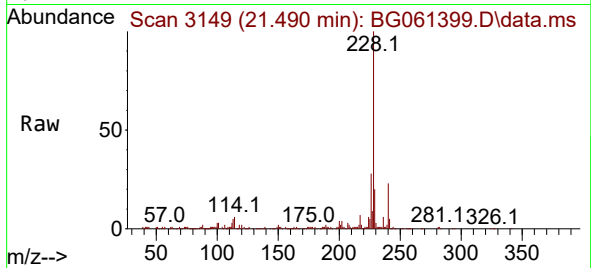
Tgt Ion:202 Resp: 238265
Ion Ratio Lower Upper
202 100
101 6.6 5.7 8.5
100 5.6 5.1 7.7





#85
Benzo(a)anthracene
Concen: 10.957 ng/ul
RT: 21.490 min Scan# 3149
Delta R.T. -0.004 min
Lab File: BG061399.D
Acq: 31 May 2024 18:53

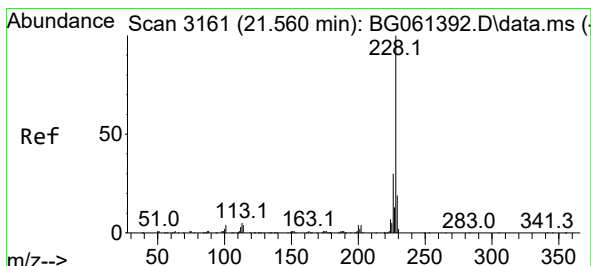
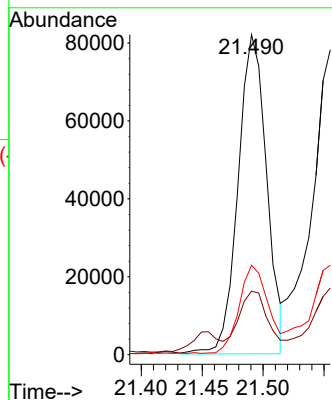
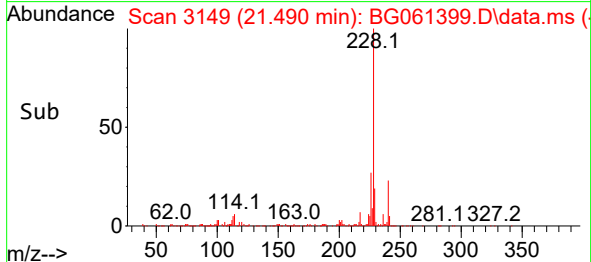
Instrument :
BNA_G
ClientSampleId :
BH5S7



Tgt Ion:228 Resp: 133772
Ion Ratio Lower Upper
228 100
229 19.8 15.2 22.8
226 28.0 21.4 32.2

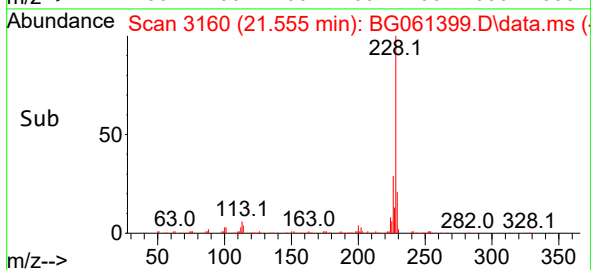
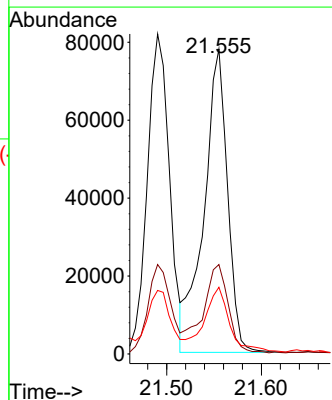
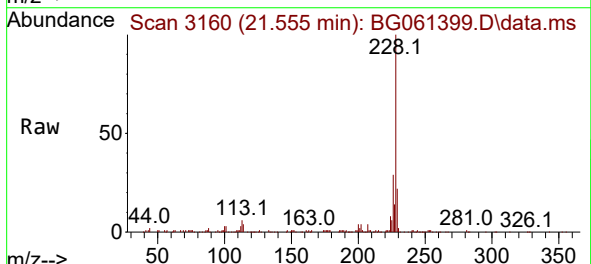
Manual Integrations
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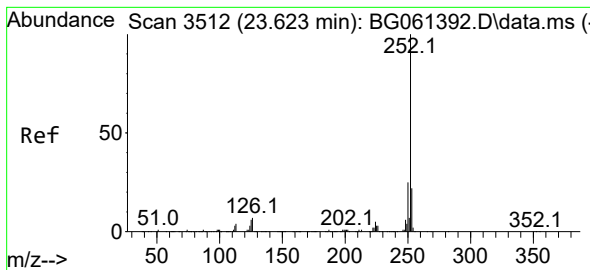
Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024



#87
Chrysene
Concen: 11.959 ng/ul
RT: 21.555 min Scan# 3160
Delta R.T. 0.002 min
Lab File: BG061399.D
Acq: 31 May 2024 18:53

Tgt Ion:228 Resp: 134447
Ion Ratio Lower Upper
228 100
226 29.3 23.4 35.0
229 21.9 15.4 23.2





#90

Benzo(b)fluoranthene

Concen: 14.040 ng/ul

RT: 23.623 min Scan# 3512

Delta R.T. 0.008 min

Lab File: BG061399.D

Acq: 31 May 2024 18:53

Instrument :

BNA_G

ClientSampleId :

BH5S7

Tgt Ion:252 Resp: 170209

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.8

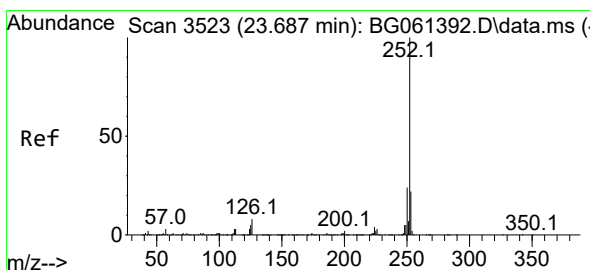
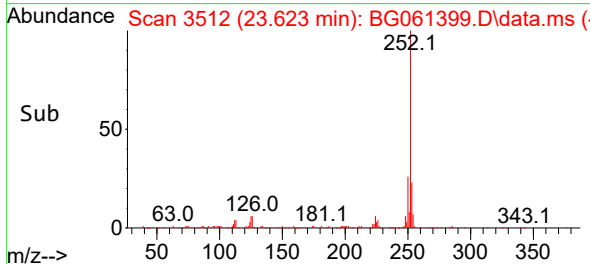
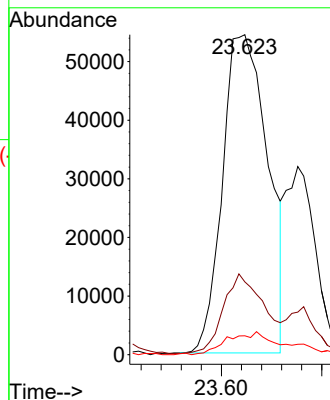
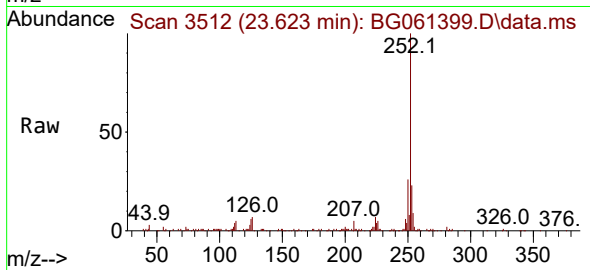
125 5.9 4.6 6.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/03/2024

Supervised By :mohammad ahmed 06/04/2024



#91

Benzo(k)fluoranthene

Concen: 5.367 ng/ul m

RT: 23.676 min Scan# 3521

Delta R.T. -0.004 min

Lab File: BG061399.D

Acq: 31 May 2024 18:53

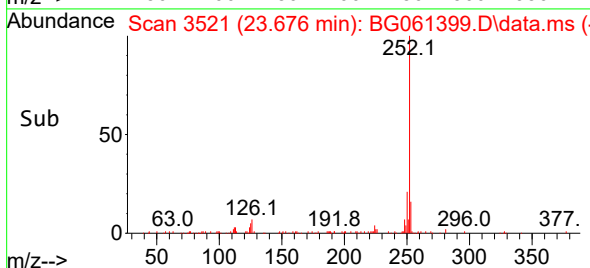
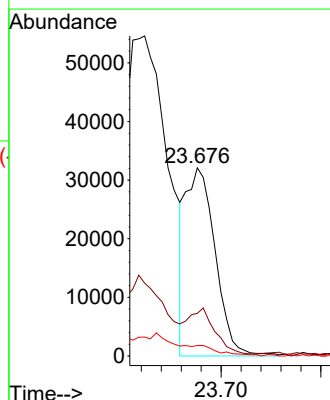
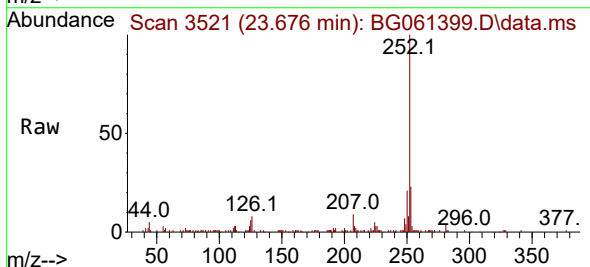
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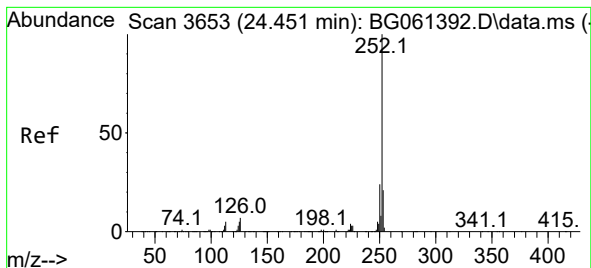
Ion Ratio Lower Upper

252 100

253 22.6 16.0 24.0

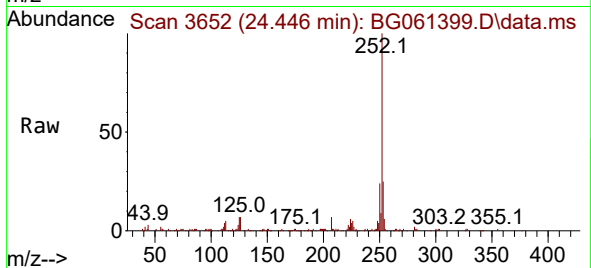
125 5.5 4.3 6.5





#93
Benzo(a)pyrene
Concen: 11.071 ng/ul
RT: 24.446 min Scan# 3652
Delta R.T. -0.004 min
Lab File: BG061399.D
Acq: 31 May 2024 18:53

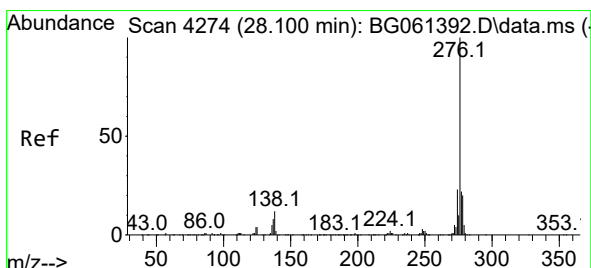
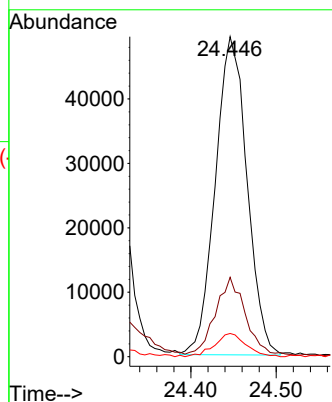
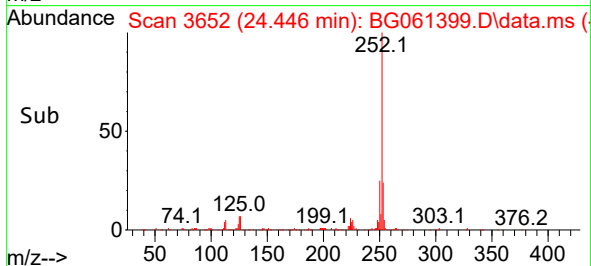
Instrument :
BNA_G
ClientSampleId :
BH5S7



Tgt Ion:252 Resp: 127452
Ion Ratio Lower Upper
252 100
253 24.8 16.4 24.6
125 7.2 4.3 6.5

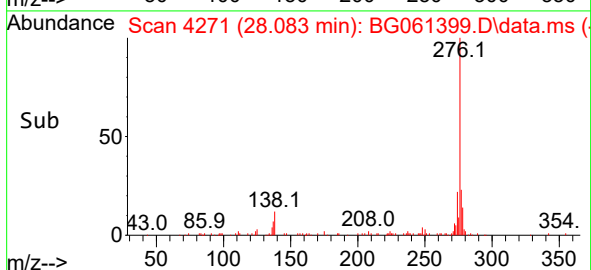
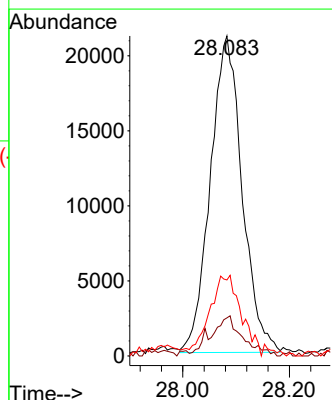
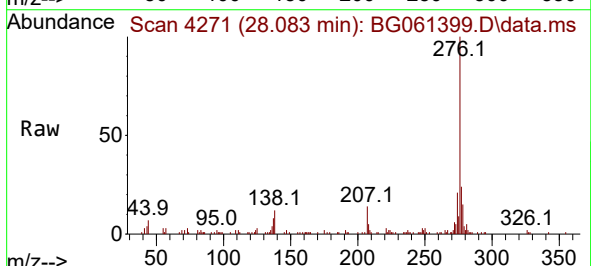
Manual Integrations
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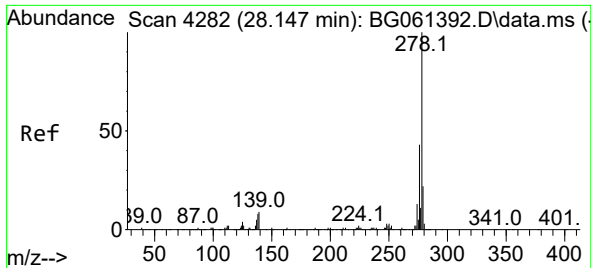
Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024



#94
Indeno(1,2,3-cd)pyrene
Concen: 6.280 ng/ul
RT: 28.083 min Scan# 4271
Delta R.T. -0.010 min
Lab File: BG061399.D
Acq: 31 May 2024 18:53

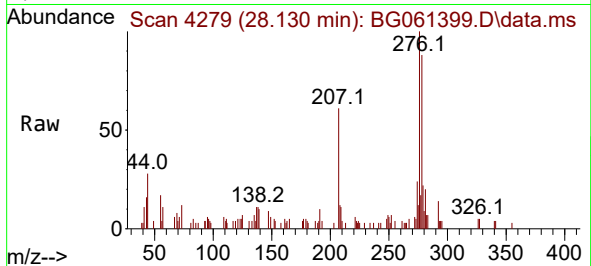
Tgt Ion:276 Resp: 87431
Ion Ratio Lower Upper
276 100
138 11.9 8.6 13.0
277 23.8 19.7 29.5





#95
Dibenzo(a,h)anthracene
Concen: 2.113 ng/ul m
RT: 28.130 min Scan# 41
Delta R.T. -0.010 min
Lab File: BG061399.D
Acq: 31 May 2024 18:53

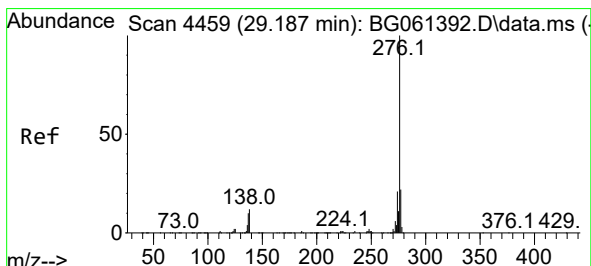
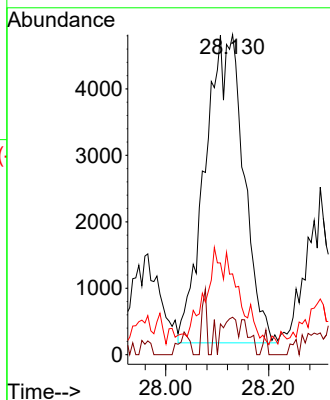
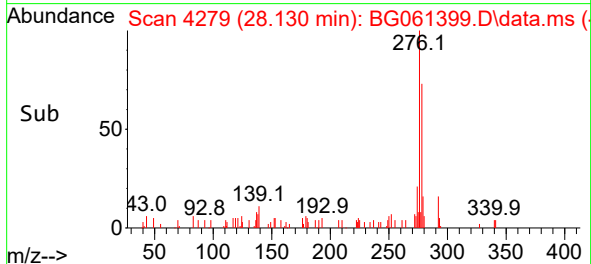
Instrument :
BNA_G
ClientSampleId :
BH5S7



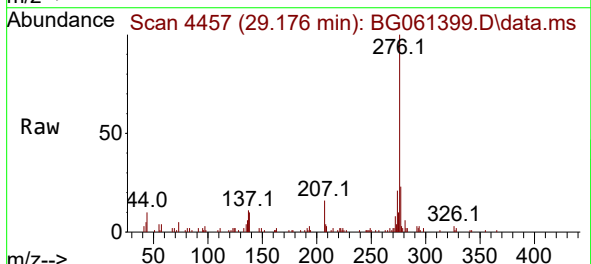
Tgt Ion:278 Resp: 2425
Ion Ratio Lower Upper
278 100
139 11.7 6.4 9.6
279 25.3 19.9 29.9

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024



#96
Benzo(g,h,i)perylene
Concen: 7.524 ng/ul m
RT: 29.176 min Scan# 4457
Delta R.T. 0.002 min
Lab File: BG061399.D
Acq: 31 May 2024 18:53



Tgt Ion:276 Resp: 83325
Ion Ratio Lower Upper
276 100
138 10.5 8.7 13.1
277 22.6 18.2 27.2

