

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053124\
 Data File : BG061396.D
 Acq On : 31 May 2024 16:50
 Operator : MA/JU
 Sample : P2588-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH5S3

Manual Integrations
 APPROVED

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

Quant Time: May 31 23:17:02 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	23021	20.000	ng/ul	0.00
20) Naphthalene-d8	10.668	136	90848	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.505	164	72627	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.254	188	190205	20.000	ng/ul	0.00
79) Chrysene-d12	21.508	240	195004	20.000	ng/ul	0.00
88) Perylene-d12	24.593	264	226441	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.329	96	2604m	6.330	ng/uL	0.00
4) Pyridine-d5	3.741	84	24570	16.789	ng/ul	0.00
7) Phenol-d5	7.055	99	48389	25.596	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.201	67	29853	25.123	ng/ul	0.00
11) 2-Chlorophenol-d4	7.413	132	37425	26.749	ng/ul	0.00
15) 4-Methylphenol-d8	8.588	113	34320	21.290	ng/ul	0.00
21) Nitrobenzene-d5	9.029	128	19204	27.455	ng/ul	0.00
24) 2-Nitrophenol-d4	9.751	143	22538	27.532	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.298	165	44546	27.913	ng/ul	0.00
31) 4-Chloroaniline-d4	10.803	131	38152	18.273	ng/ul	0.00
46) Dimethylphthalate-d6	13.911	166	153484	27.248	ng/ul	0.00
49) Acenaphthylene-d8	14.199	160	167530	28.608	ng/ul	0.00
54) 4-Nitrophenol-d4	14.746	143	16976	24.377	ng/ul	0.00
60) Fluorene-d10	15.503	176	143120	29.430	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.639	200	26643	23.160	ng/ul	0.00
73) Anthracene-d10	17.354	188	238783	28.476	ng/ul	0.00
81) Pyrene-d10	19.652	212	304908	30.453	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.387	264	326497	29.991	ng/ul	0.00
Target Compounds					Qvalue	
72) Phenanthrene	17.301	178	92029	9.969	ng/ul	98
74) Anthracene	17.390	178	14985	1.570	ng/ul	99
77) Carbazole	17.660	167	9734	1.254	ng/ul#	90
80) Fluoranthene	19.317	202	268945	22.391	ng/ul	99
82) Pyrene	19.681	202	251870	20.201	ng/ul	99
85) Benzo(a)anthracene	21.491	228	183908	13.668	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.402	149	10785	1.701	ng/ul#	90
87) Chrysene	21.555	228	175661	14.178	ng/ul	95
90) Benzo(b)fluoranthene	23.623	252	260252	19.303	ng/ul	98
91) Benzo(k)fluoranthene	23.676	252	81540m	5.958	ng/ul	
93) Benzo(a)pyrene	24.446	252	178505	13.943	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	28.077	276	115703	7.473	ng/ul	98
95) Dibenzo(a,h)anthracene	28.112	278	34643m	2.714	ng/ul	
96) Benzo(g,h,i)perylene	29.176	276	95166	7.727	ng/ul	94

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

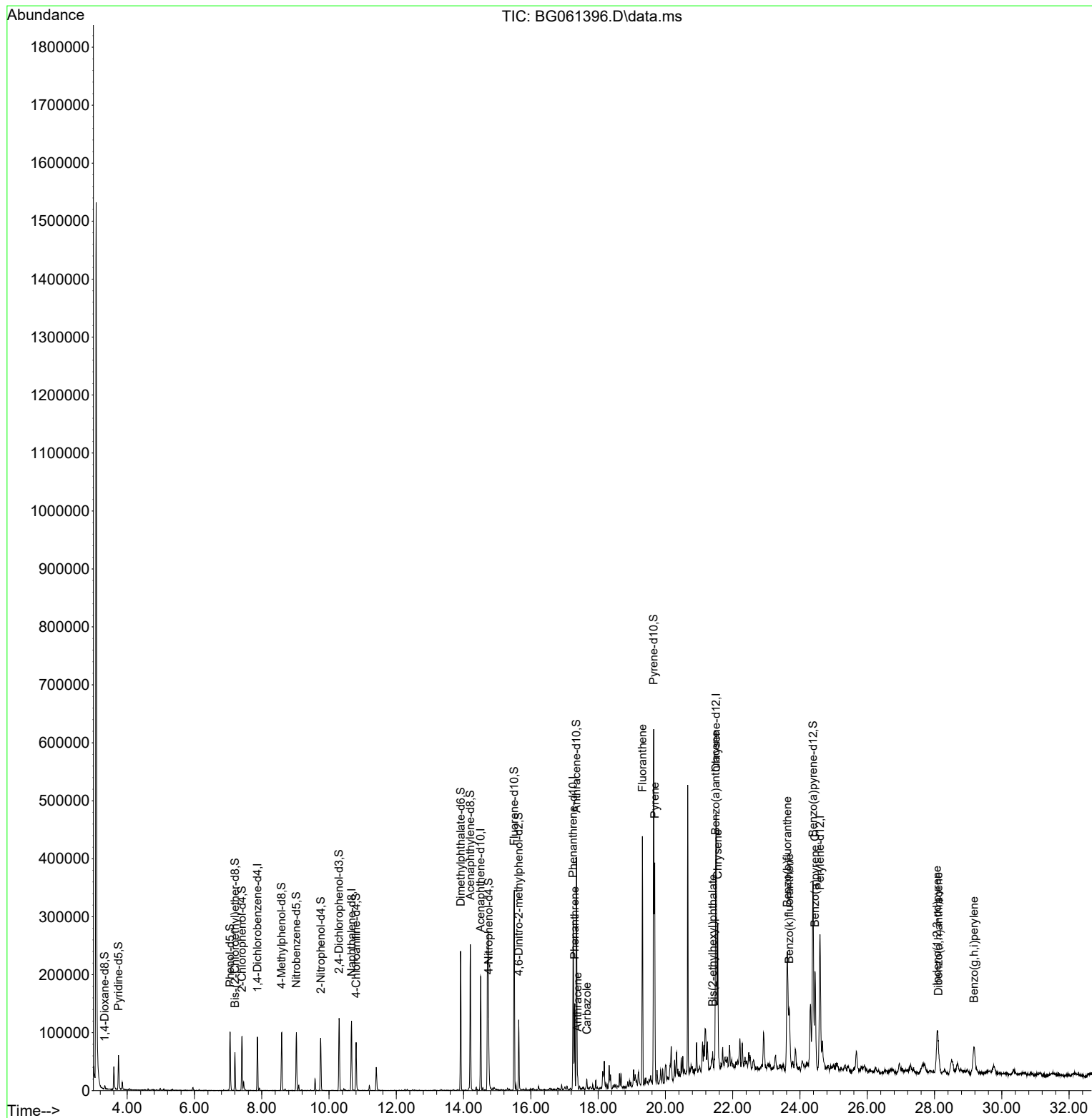
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053124\
Data File : BG061396.D
Acq On : 31 May 2024 16:50
Operator : MA/JU
Sample : P2588-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

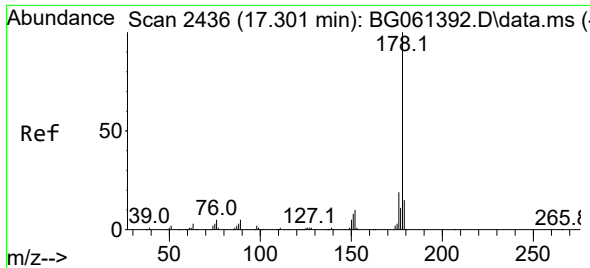
Instrument :
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Quant Title : SVOA CALIBRATION
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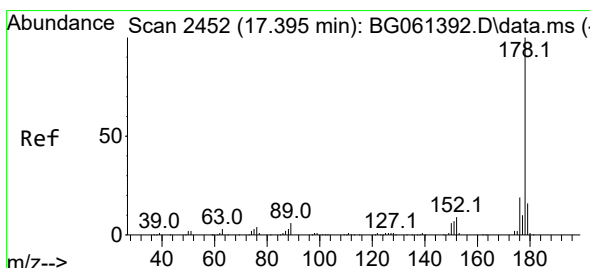
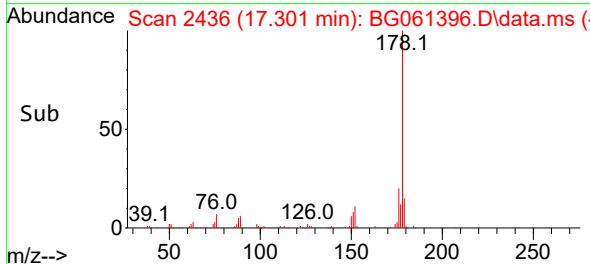
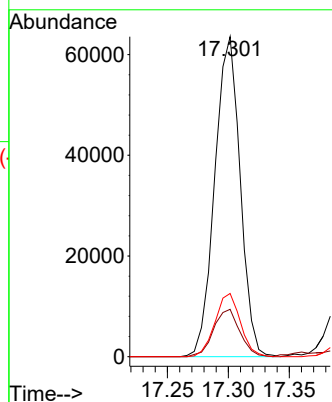
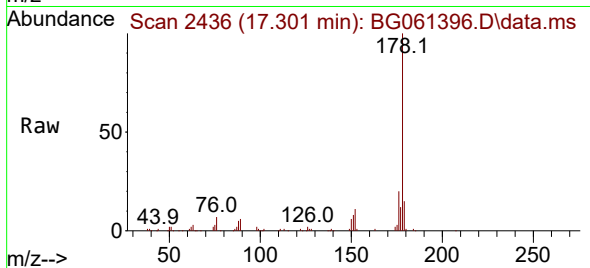
#72
Phenanthrene
Concen: 9.969 ng/ul
RT: 17.301 min Scan# 2436
Delta R.T. 0.002 min
Lab File: BG061396.D
Acq: 31 May 2024 16:50

Instrument :
BNA_G
ClientSampleId :
BH5S3

Tgt Ion:178 Resp: 92029
Ion Ratio Lower Upper
178 100
179 14.8 12.7 19.1
176 19.8 15.5 23.3

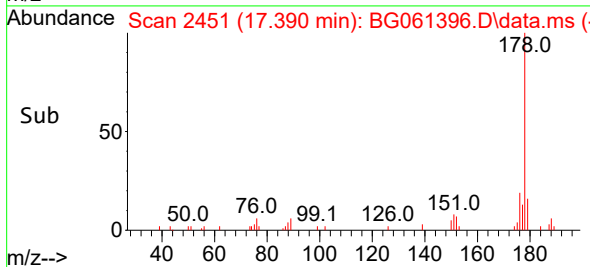
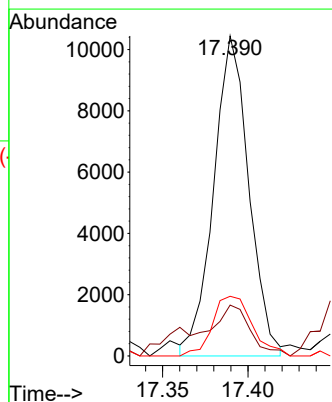
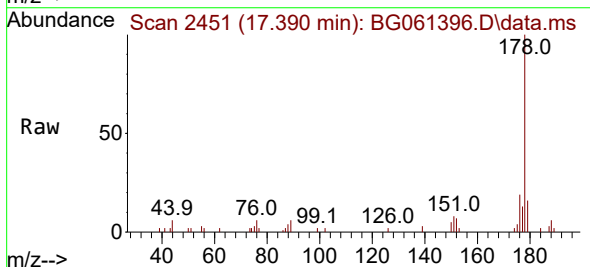
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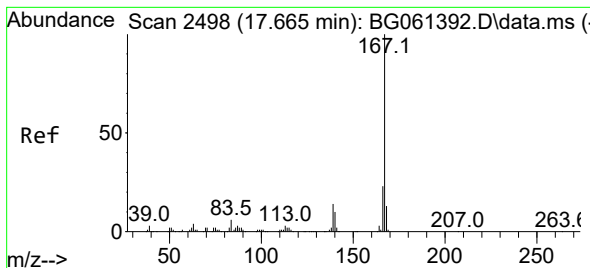
Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024



#74
Anthracene
Concen: 1.570 ng/ul
RT: 17.390 min Scan# 2451
Delta R.T. -0.004 min
Lab File: BG061396.D
Acq: 31 May 2024 16:50

Tgt Ion:178 Resp: 14985
Ion Ratio Lower Upper
178 100
179 15.9 11.8 17.6
176 18.7 14.9 22.3





#77

Carbazole

Concen: 1.254 ng/ul

RT: 17.660 min Scan# 2498

Delta R.T. -0.004 min

Lab File: BG061396.D

Acq: 31 May 2024 16:50

Instrument :

BNA_G

ClientSampleId :

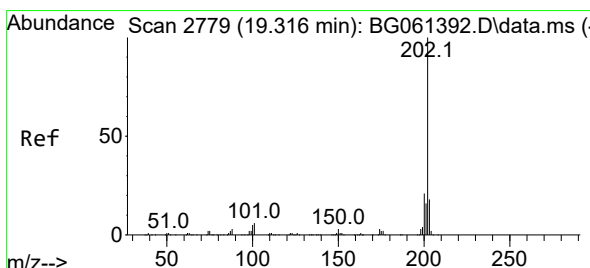
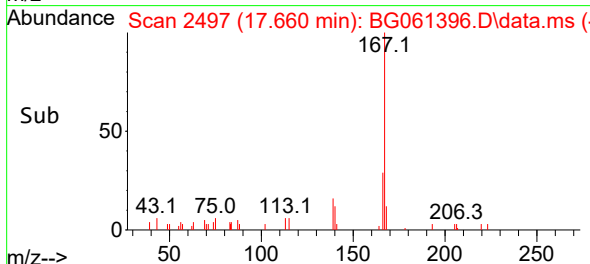
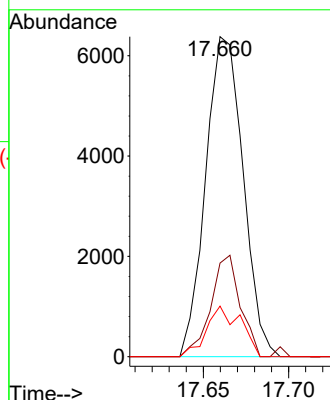
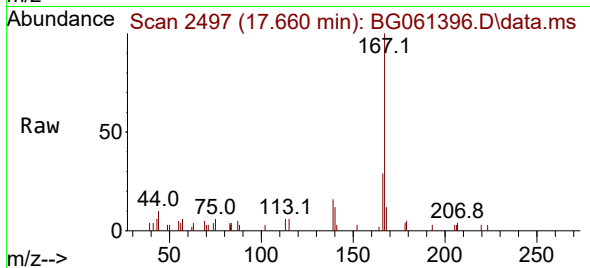
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Tgt Ion:167	Resp:	9734
Ion Ratio	Lower	Upper
167	100	
166	29.3	18.6 28.0
139	15.8	10.6 15.8

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#80

Fluoranthene

Concen: 22.391 ng/ul

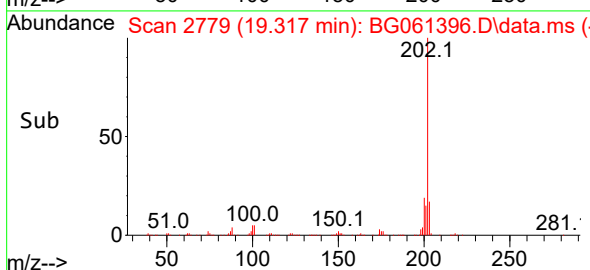
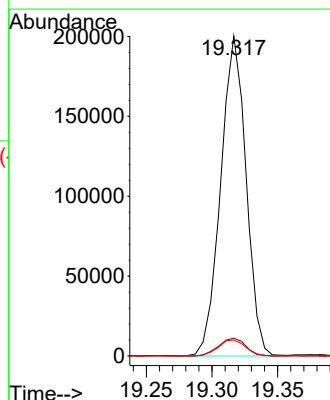
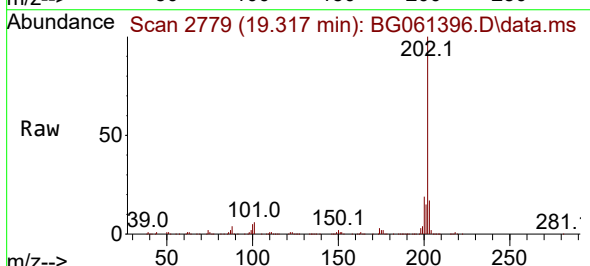
RT: 19.317 min Scan# 2779

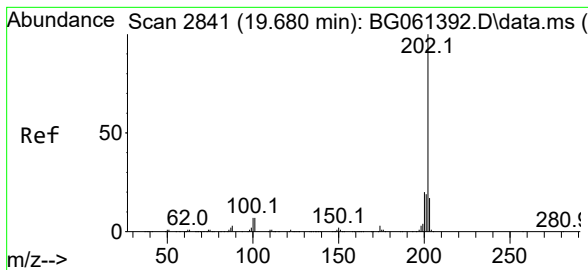
Delta R.T. 0.002 min

Lab File: BG061396.D

Acq: 31 May 2024 16:50

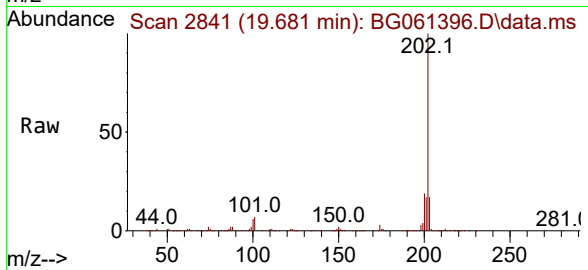
Tgt Ion:202	Resp:	268945
Ion Ratio	Lower	Upper
202	100	
101	5.6	4.8 7.2
100	5.0	4.1 6.1





#82
 Pyrene
 Concen: 20.201 ng/ul
 RT: 19.681 min Scan# 2841
 Delta R.T. 0.002 min
 Lab File: BG061396.D
 Acq: 31 May 2024 16:50

Instrument :
 BNA_G
 ClientSampleId :
 BH5S3

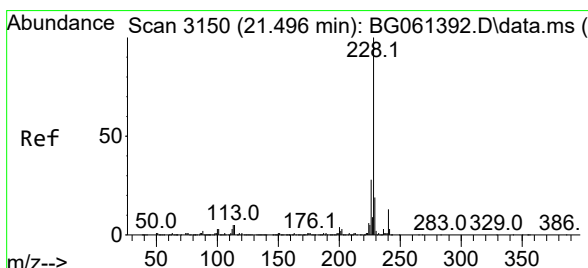
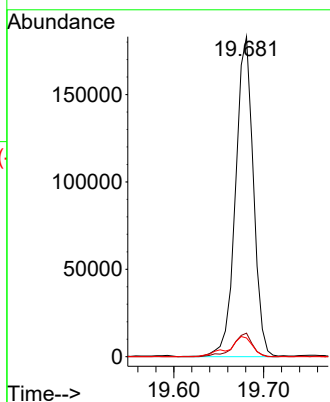
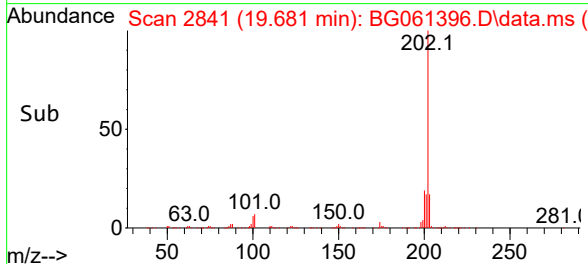


Tgt Ion: 202 Resp: 251870

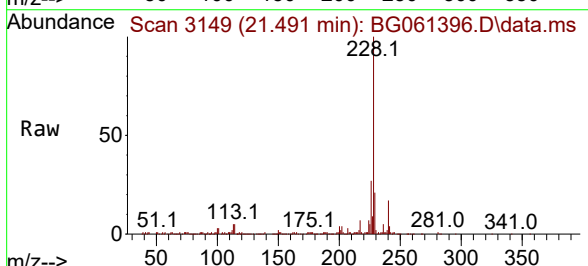
Ion	Ratio	Lower	Upper
202	100		
101	7.4	5.7	8.5
100	5.8	5.1	7.7

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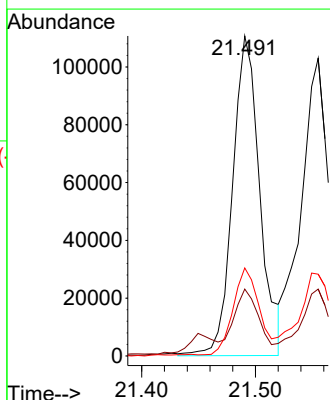
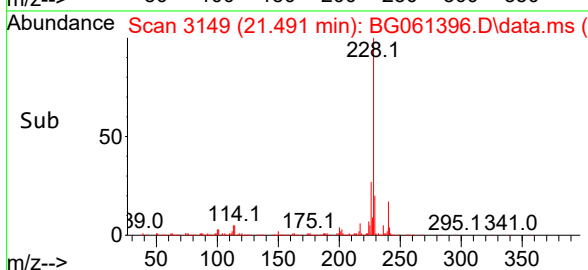


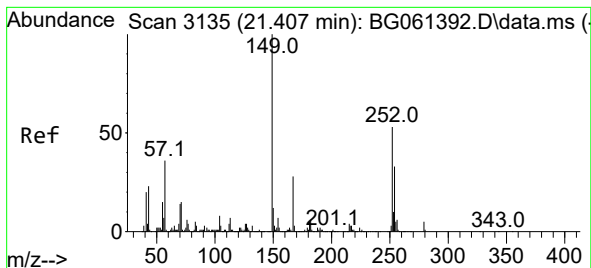
#85
 Benzo(a)anthracene
 Concen: 13.668 ng/ul
 RT: 21.491 min Scan# 3149
 Delta R.T. -0.004 min
 Lab File: BG061396.D
 Acq: 31 May 2024 16:50



Tgt Ion: 228 Resp: 183908

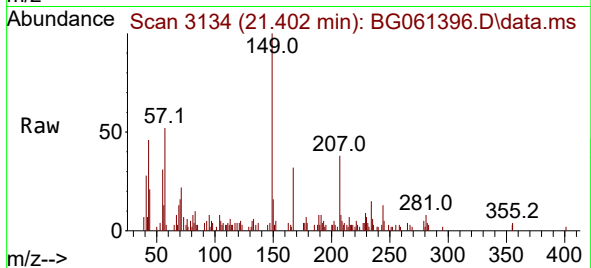
Ion	Ratio	Lower	Upper
228	100		
229	20.9	15.2	22.8
226	27.5	21.4	32.2





#86
Bis(2-ethylhexyl)phthalate
Concen: 1.701 ng/ul
RT: 21.402 min Scan# 3134
Delta R.T. -0.004 min
Lab File: BG061396.D
Acq: 31 May 2024 16:50

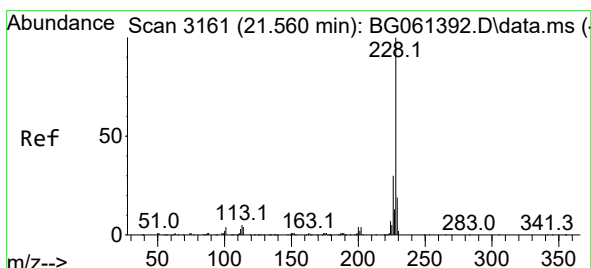
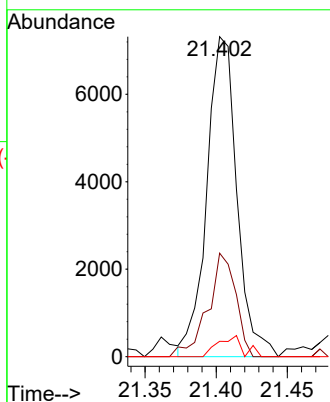
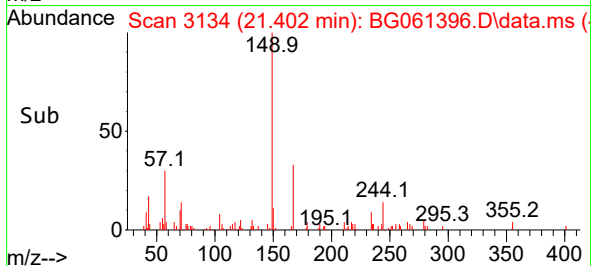
Instrument :
BNA_G
ClientSampleId :
BH5S3



Tgt Ion:149 Resp: 10785
Ion Ratio Lower Upper
149 100
167 32.4 21.1 31.7
279 4.8 3.3 4.9

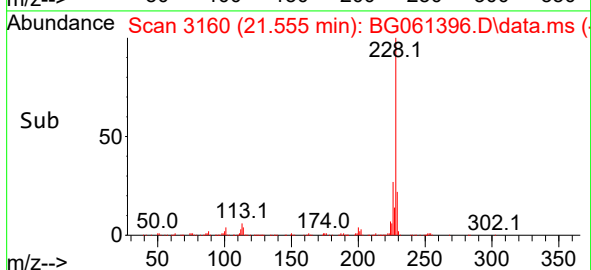
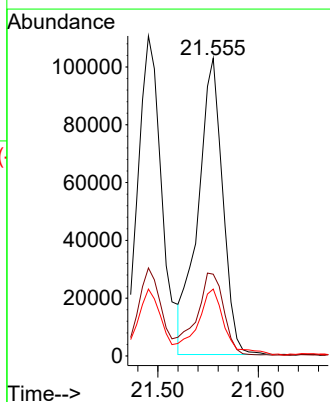
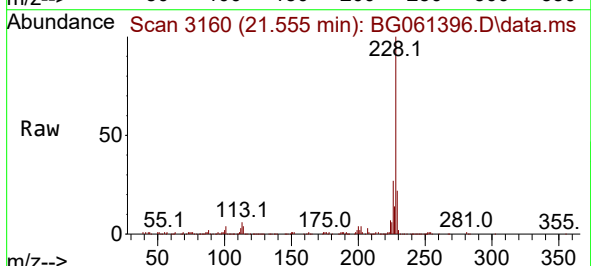
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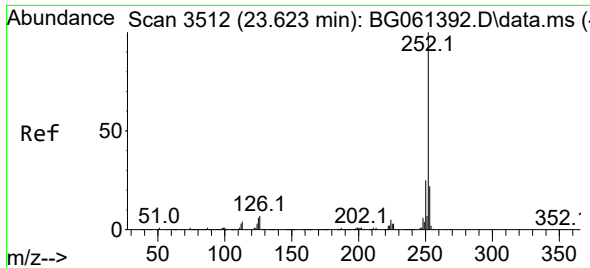
Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024



#87
Chrysene
Concen: 14.178 ng/ul
RT: 21.555 min Scan# 3160
Delta R.T. 0.002 min
Lab File: BG061396.D
Acq: 31 May 2024 16:50

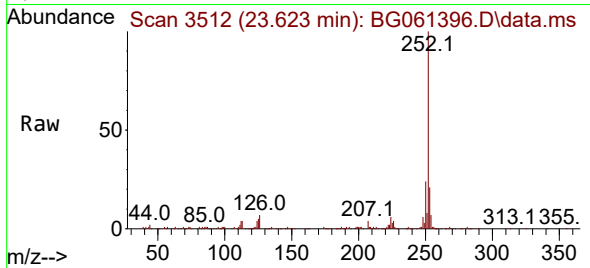
Tgt Ion:228 Resp: 175661
Ion Ratio Lower Upper
228 100
226 27.5 23.4 35.0
229 22.4 15.4 23.2





#90
Benzo(b)fluoranthene
Concen: 19.303 ng/ul
RT: 23.623 min Scan# 3512
Delta R.T. 0.008 min
Lab File: BG061396.D
Acq: 31 May 2024 16:50

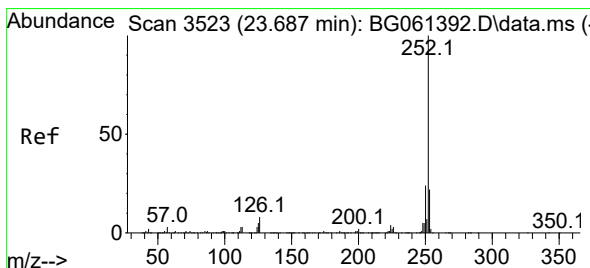
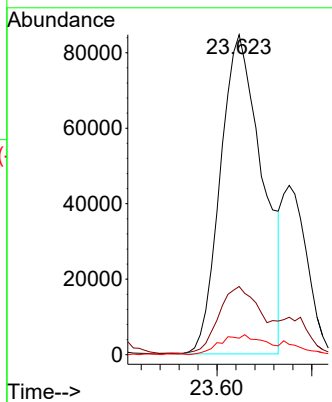
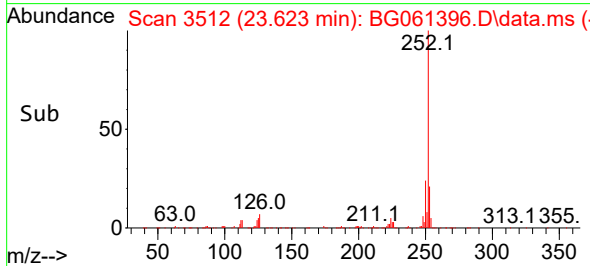
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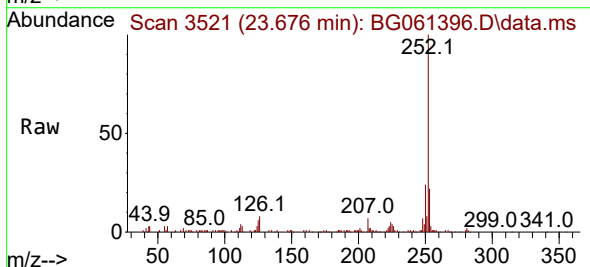
Tgt Ion:252 Resp: 26025
Ion Ratio Lower Upper
252 100
253 21.3 17.8 26.8
125 5.2 4.6 6.8

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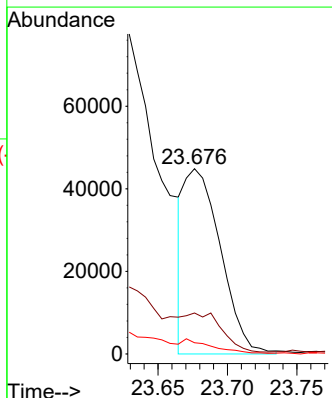
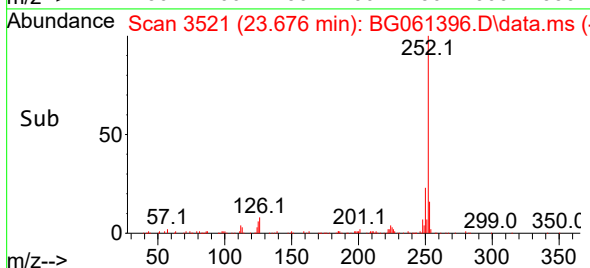
Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024

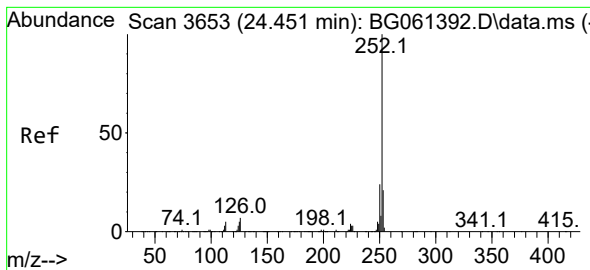


#91
Benzo(k)fluoranthene
Concen: 5.958 ng/ul m
RT: 23.676 min Scan# 3521
Delta R.T. -0.004 min
Lab File: BG061396.D
Acq: 31 May 2024 16:50



Tgt Ion:252 Resp: 81540
Ion Ratio Lower Upper
252 100
253 22.1 16.0 24.0
125 6.1 4.3 6.5





#93

Benzo(a)pyrene

Concen: 13.943 ng/ul

RT: 24.446 min Scan# 3

Delta R.T. -0.004 min

Lab File: BG061396.D

Acq: 31 May 2024 16:50

Instrument :

BNA_G

ClientSampleId :

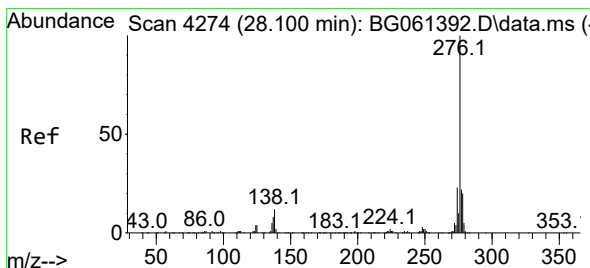
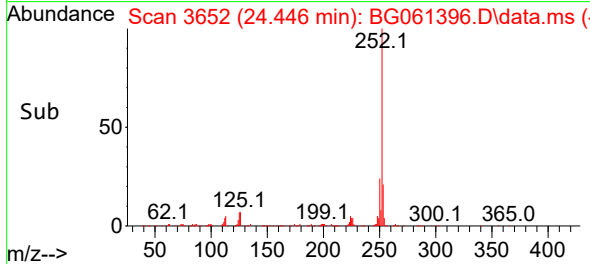
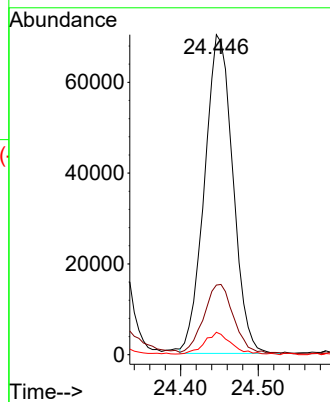
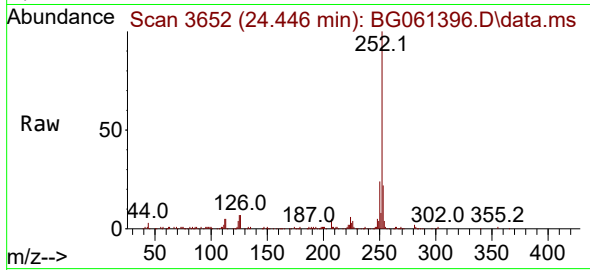
BH5S3

Tgt Ion:	252	Resp:	17850
Ion Ratio	Lower	Upper	
252	100		
253	21.8	16.4	24.6
125	7.0	4.3	6.5

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#94

Indeno(1,2,3-cd)pyrene

Concen: 7.473 ng/ul

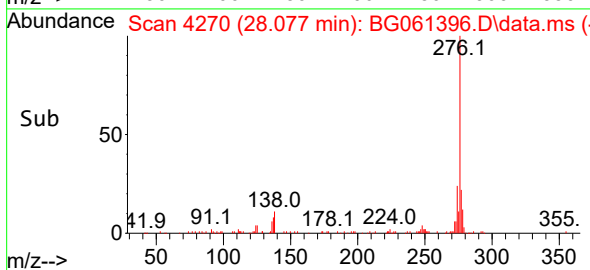
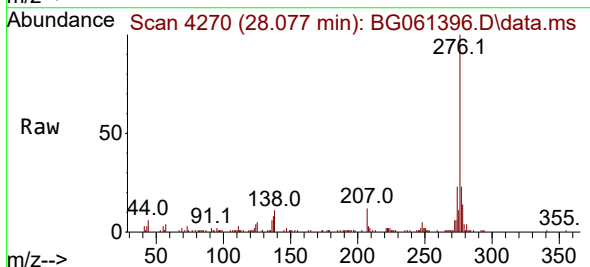
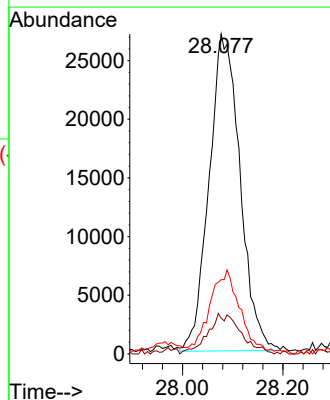
RT: 28.077 min Scan# 4270

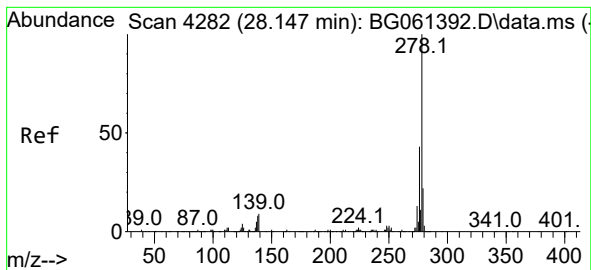
Delta R.T. -0.016 min

Lab File: BG061396.D

Acq: 31 May 2024 16:50

Tgt Ion:	276	Resp:	115703
Ion Ratio	Lower	Upper	
276	100		
138	11.2	8.6	13.0
277	23.2	19.7	29.5





#95

Dibenzo(a,h)anthracene

Concen: 2.714 ng/ul m

RT: 28.112 min Scan# 41

Delta R.T. -0.027 min

Lab File: BG061396.D

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Instrument :

BNA_G

ClientSampleId :

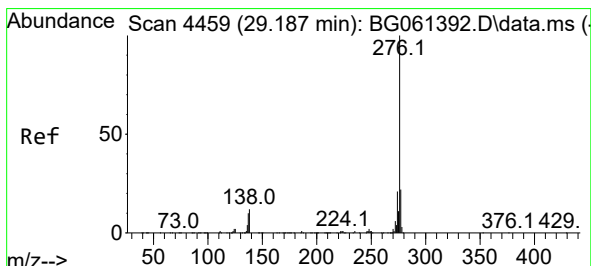
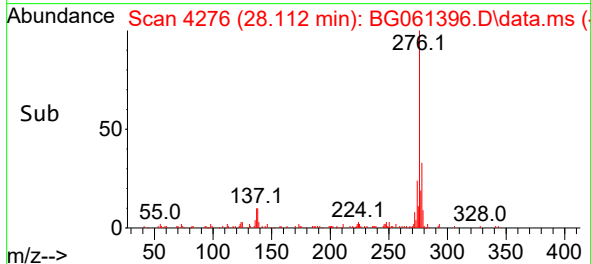
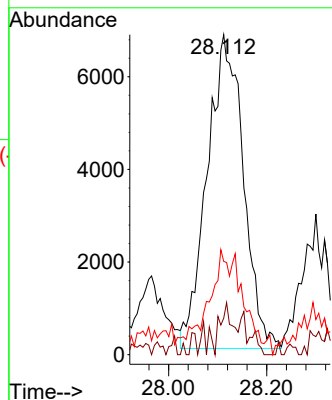
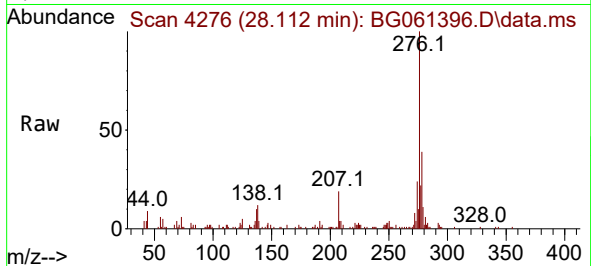
BH5S3

Tgt Ion:	278	Resp:	3464
Ion Ratio	Lower	Upper	
278	100		
139	11.4	6.4	9.6
279	29.1	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: 7.727 ng/ul

RT: 29.176 min Scan# 4457

Delta R.T. 0.002 min

Lab File: BG061396.D

Acq: 31 May 2024 16:50

Tgt Ion:	276	Resp:	95166
Ion Ratio	Lower	Upper	
276	100		
138	10.3	8.7	13.1
277	26.4	18.2	27.2

