

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053124\
 Data File : BG061412.D
 Acq On : 1 Jun 2024 4:28
 Operator : MA/JU
 Sample : P2588-19
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH6E4

Manual Integrations
 APPROVED

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

Quant Time: Jun 01 05:20:22 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	7.876	152	28072	20.000	ng/ul	0.00
20) Naphthalene-d8	10.667	136	109150	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.510	164	80896	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.259	188	190346	20.000	ng/ul	0.00
79) Chrysene-d12	21.513	240	191743	20.000	ng/ul	0.00
88) Perylene-d12	24.598	264	218746	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.346	96	1404	2.799	ng/uL	0.01
4) Pyridine-d5	3.746	84	25352	14.206	ng/ul	0.00
7) Phenol-d5	7.060	99	36873	15.995	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.201	67	24185	16.691	ng/ul	0.00
11) 2-Chlorophenol-d4	7.412	132	30029	17.601	ng/ul	0.00
15) 4-Methylphenol-d8	8.593	113	29673	15.095	ng/ul	0.00
21) Nitrobenzene-d5	9.028	128	15589	18.550	ng/ul	0.00
24) 2-Nitrophenol-d4	9.751	143	18043	18.345	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.303	165	36815	19.200	ng/ul	0.00
31) 4-Chloroaniline-d4	10.802	131	39112	15.592	ng/ul	0.00
46) Dimethylphthalate-d6	13.916	166	121674	19.393	ng/ul	0.00
49) Acenaphthylene-d8	14.198	160	133228	20.425	ng/ul	0.00
54) 4-Nitrophenol-d4	14.751	143	12959m	16.707	ng/ul	0.01
60) Fluorene-d10	15.503	176	112159	20.706	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.644	200	14920	12.960	ng/ul	0.00
73) Anthracene-d10	17.359	188	189715	22.607	ng/ul	0.00
81) Pyrene-d10	19.651	212	231352	23.499	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.386	264	247118	23.498	ng/ul	0.00
Target Compounds						Qvalue
72) Phenanthrene	17.300	178	92617	10.025	ng/ul	98
74) Anthracene	17.395	178	14710	1.540	ng/ul	99
77) Carbazole	17.665	167	8147	1.049	ng/ul	98
80) Fluoranthene	19.322	202	231686	19.617	ng/ul	99
82) Pyrene	19.680	202	213396	17.407	ng/ul	100
85) Benzo(a)anthracene	21.490	228	118176	8.932	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.407	149	7775	1.247	ng/ul#	99
87) Chrysene	21.554	228	124231	10.198	ng/ul	96
90) Benzo(b)fluoranthene	23.622	252	168794	12.960	ng/ul	98
91) Benzo(k)fluoranthene	23.681	252	60331m	4.563	ng/ul	
93) Benzo(a)pyrene	24.451	252	120205	9.720	ng/ul#	93
94) Indeno(1,2,3-cd)pyrene	28.094	276	89097m	5.957	ng/ul	
95) Dibenzo(a,h)anthracene	28.141	278	22287m	1.807	ng/ul	
96) Benzo(g,h,i)perylene	29.187	276	85724m	7.205	ng/ul	

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

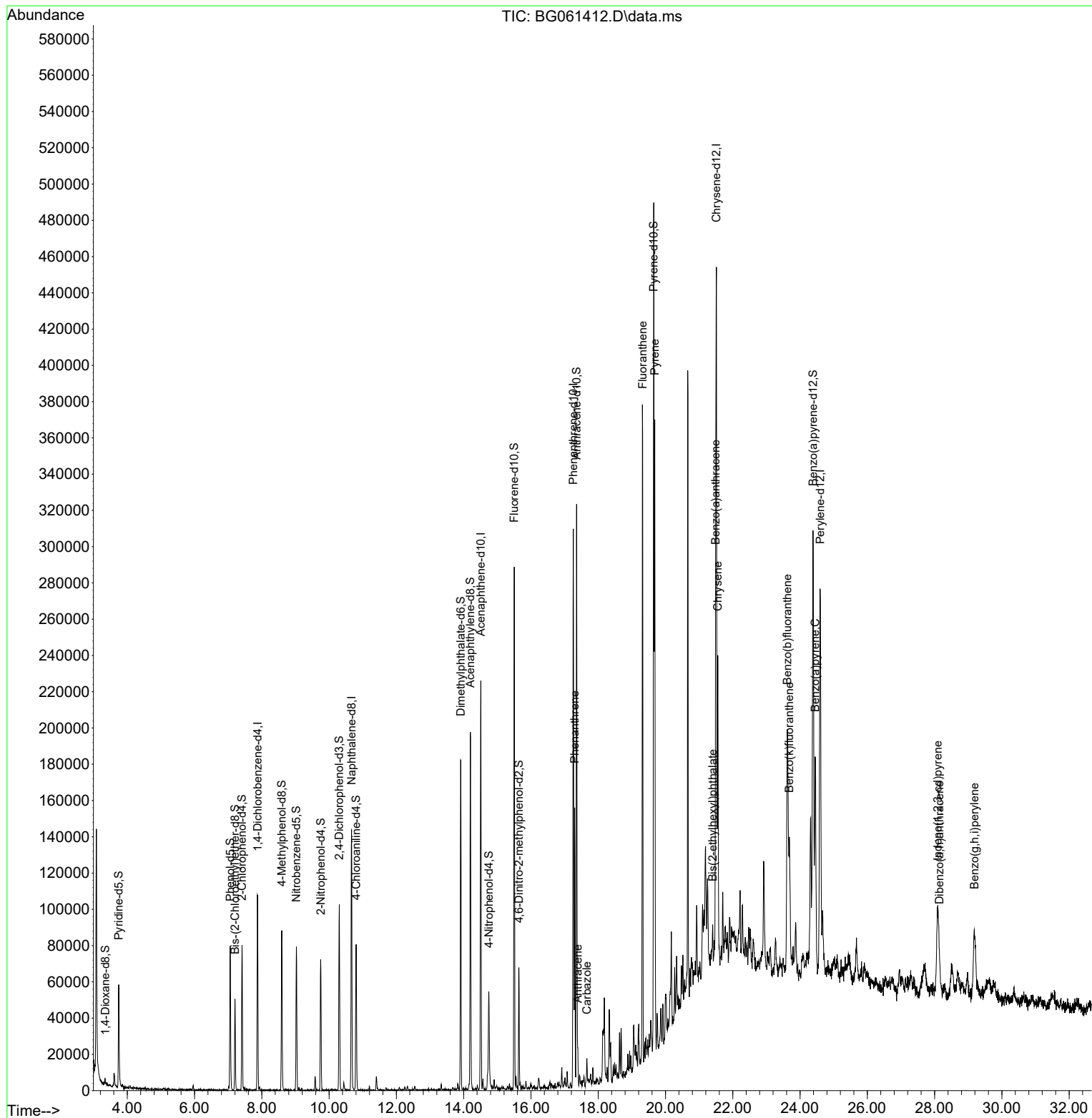
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 Data File : BG061412.D
 Acq On : 1 Jun 2024 4:28
 Operator : MA/JU
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 ALS Vial : 23 Sample Multiplier: 1

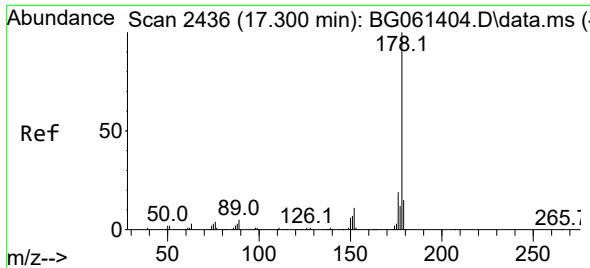
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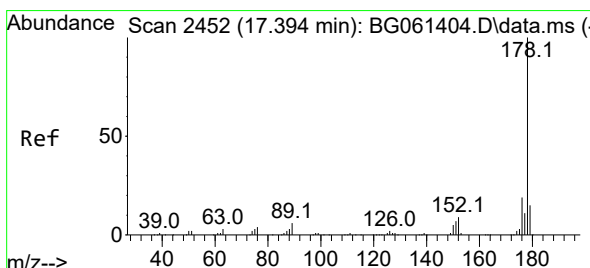
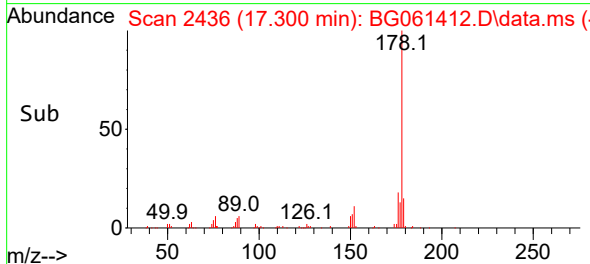
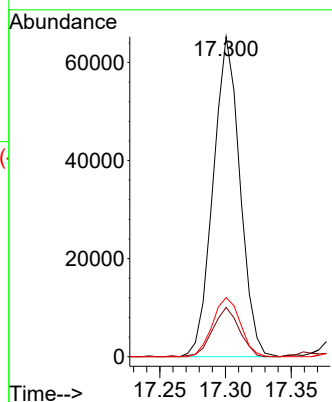
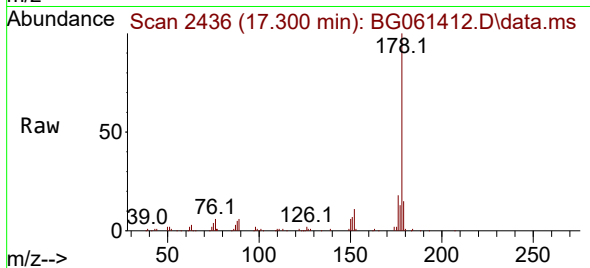
#72
Phenanthrene
Concen: 10.025 ng/ul
RT: 17.300 min Scan# 2436
Delta R.T. 0.001 min
Lab File: BG061412.D
Acq: 1 Jun 2024 4:28

Instrument :
BNA_G
ClientSampleId :
BH6E4

Tgt Ion:178 Resp: 9261
Ion Ratio Lower Upper
178 100
179 15.4 12.7 19.1
176 18.5 15.5 23.3

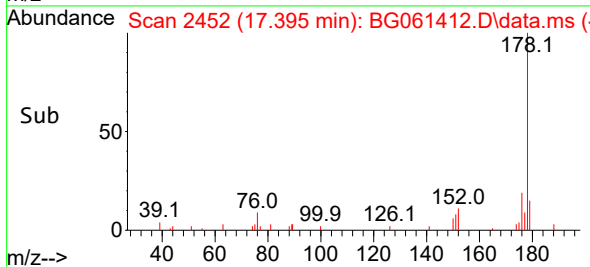
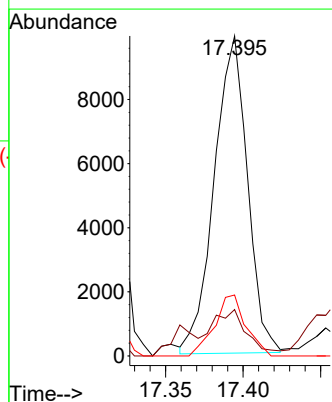
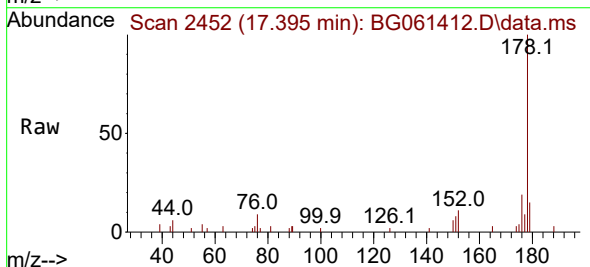
Manual Integrations
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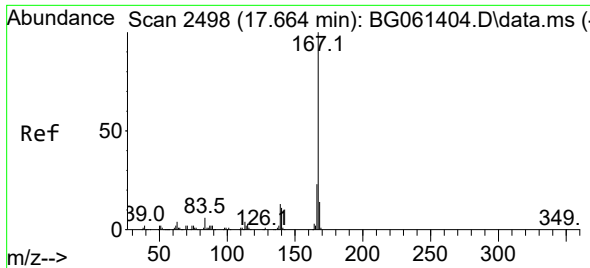
Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024



#74
Anthracene
Concen: 1.540 ng/ul
RT: 17.395 min Scan# 2452
Delta R.T. 0.001 min
Lab File: BG061412.D
Acq: 1 Jun 2024 4:28

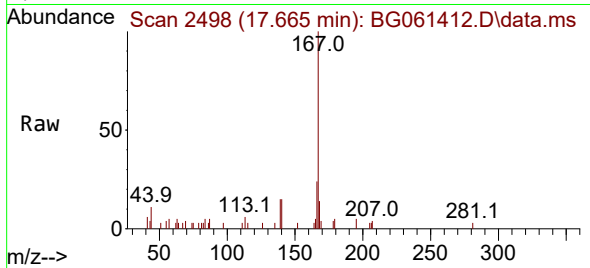
Tgt Ion:178 Resp: 14710
Ion Ratio Lower Upper
178 100
179 14.5 11.8 17.6
176 19.1 14.9 22.3





#77
 Carbazole
 Concen: 1.049 ng/ul
 RT: 17.665 min Scan# 2498
 Delta R.T. 0.001 min
 Lab File: BG061412.D
 Acq: 1 Jun 2024 4:28

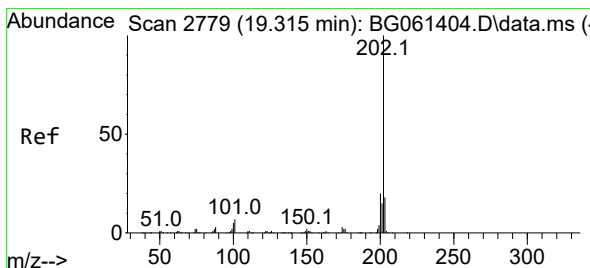
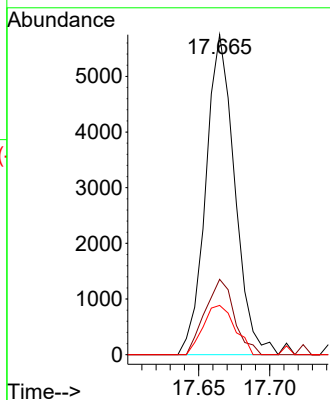
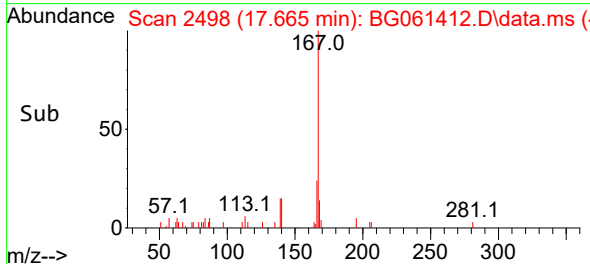
Instrument :
 BNA_G
 ClientSampleId :
 BH6E4



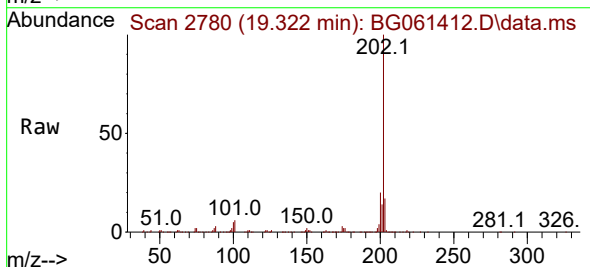
Tgt Ion:167 Resp: 814
 Ion Ratio Lower Upper
 167 100
 166 23.6 18.6 28.0
 139 15.4 10.6 15.8

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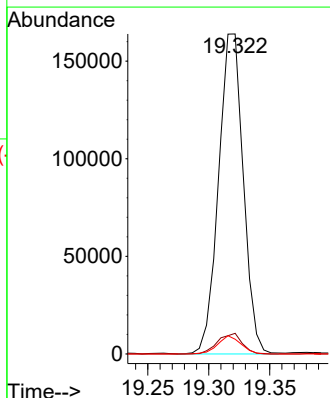
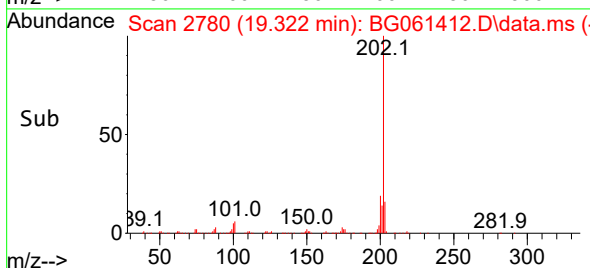
Reviewed By :Jagrut Upadhyay 06/03/2024
 Supervised By :mohammad ahmed 06/04/2024

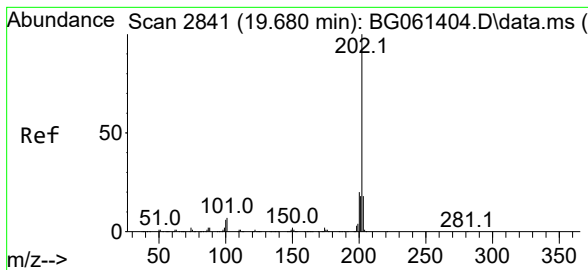


#80
 Fluoranthene
 Concen: 19.617 ng/ul
 RT: 19.322 min Scan# 2780
 Delta R.T. 0.007 min
 Lab File: BG061412.D
 Acq: 1 Jun 2024 4:28



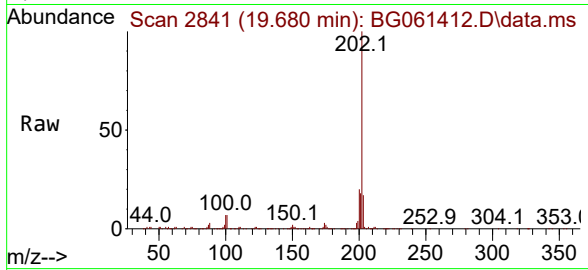
Tgt Ion:202 Resp: 231686
 Ion Ratio Lower Upper
 202 100
 101 6.4 4.8 7.2
 100 4.6 4.1 6.1





#82
Pyrene
Concen: 17.407 ng/ul
RT: 19.680 min Scan# 213390
Delta R.T. 0.001 min
Lab File: BG061412.D
Acq: 1 Jun 2024 4:28

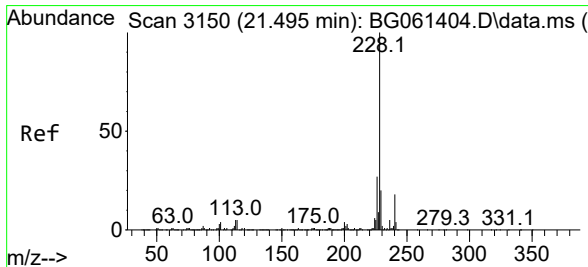
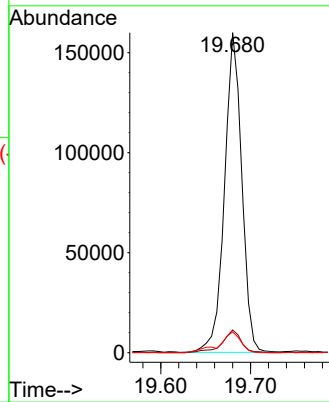
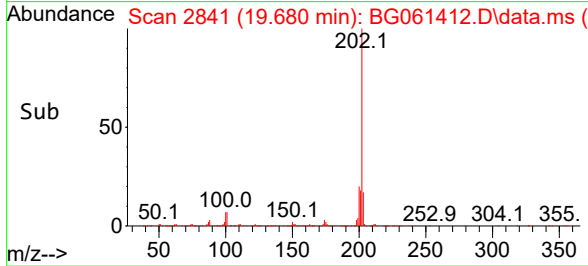
Instrument :
BNA_G
ClientSampleId :
BH6E4



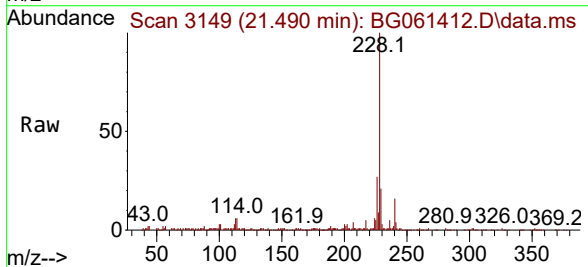
Tgt Ion:202 Resp: 213390
Ion Ratio Lower Upper
202 100
101 7.1 5.7 8.5
100 6.5 5.1 7.7

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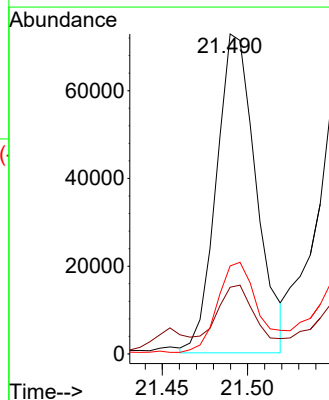
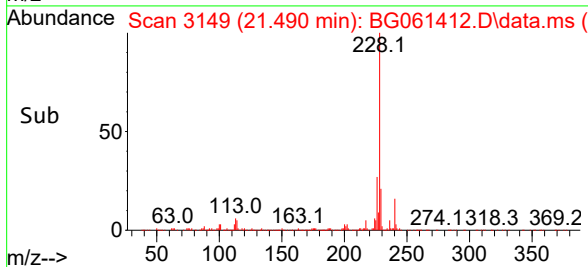
Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024

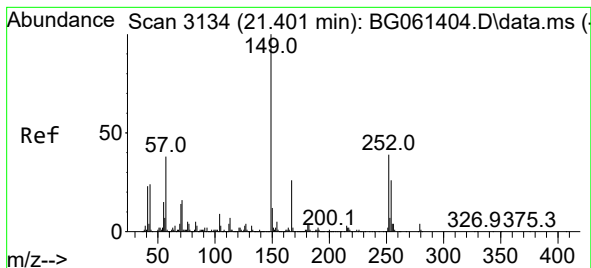


#85
Benzo(a)anthracene
Concen: 8.932 ng/ul
RT: 21.490 min Scan# 3149
Delta R.T. -0.005 min
Lab File: BG061412.D
Acq: 1 Jun 2024 4:28



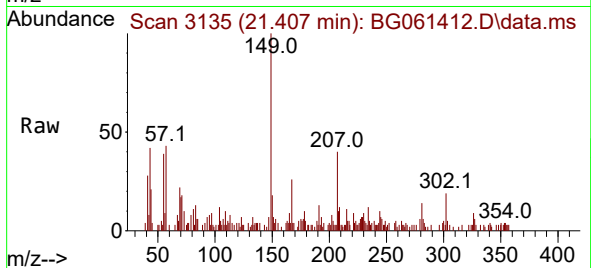
Tgt Ion:228 Resp: 118176
Ion Ratio Lower Upper
228 100
229 20.9 15.2 22.8
226 27.5 21.4 32.2





#86
Bis(2-ethylhexyl)phthalate
Concen: 1.247 ng/ul
RT: 21.407 min Scan# 3135
Delta R.T. 0.001 min
Lab File: BG061412.D
Acq: 1 Jun 2024 4:28

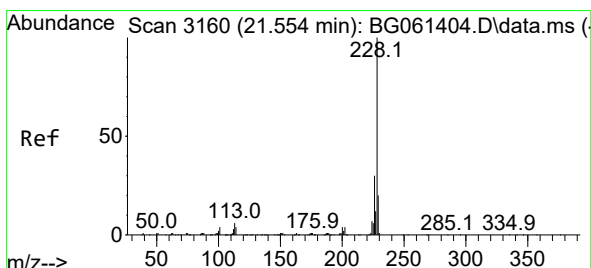
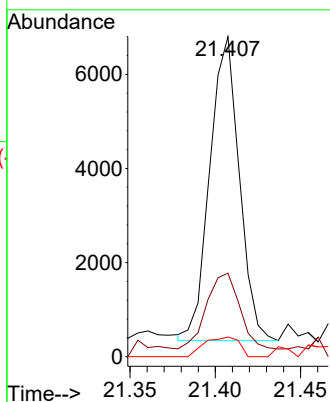
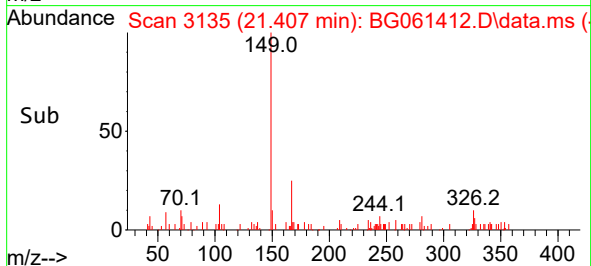
Instrument :
BNA_G
ClientSampleId :
BH6E4



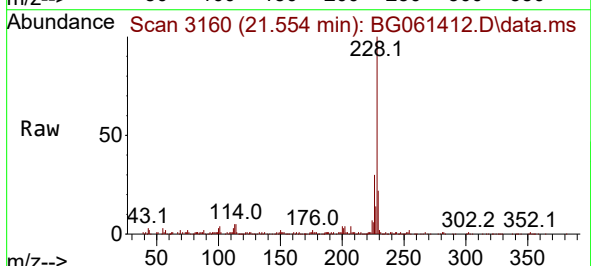
Tgt Ion:149 Resp: 7775
Ion Ratio Lower Upper
149 100
167 26.1 21.1 31.7
279 6.2 3.3 4.9

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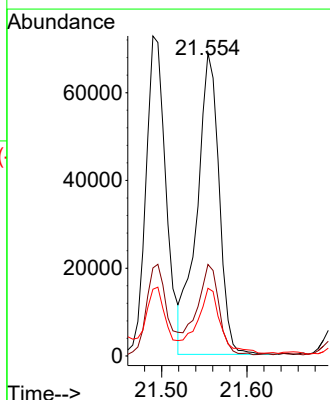
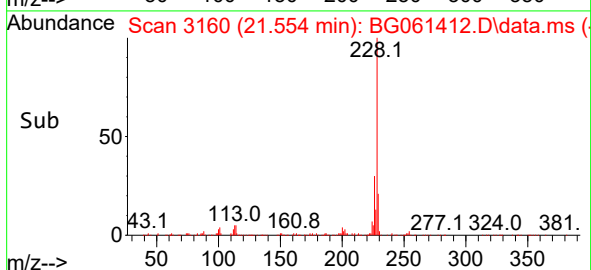
Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024

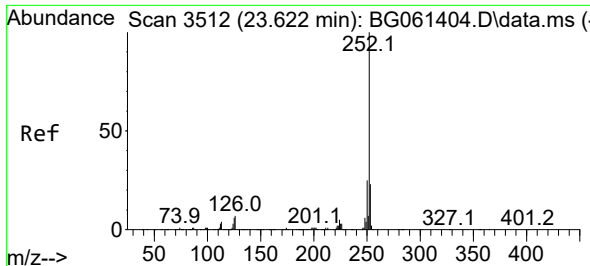


#87
Chrysene
Concen: 10.198 ng/ul
RT: 21.554 min Scan# 3160
Delta R.T. 0.001 min
Lab File: BG061412.D
Acq: 1 Jun 2024 4:28



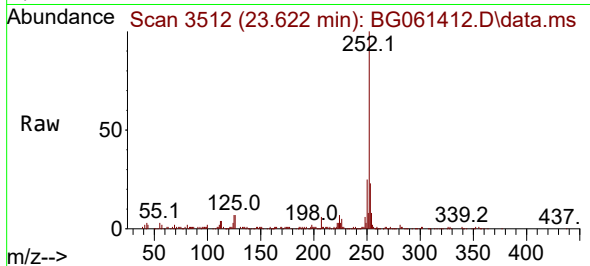
Tgt Ion:228 Resp: 124231
Ion Ratio Lower Upper
228 100
226 30.2 23.4 35.0
229 22.4 15.4 23.2





#90
Benzo(b)fluoranthene
Concen: 12.960 ng/ul
RT: 23.622 min Scan# 3512
Delta R.T. 0.007 min
Lab File: BG061412.D
Acq: 1 Jun 2024 4:28

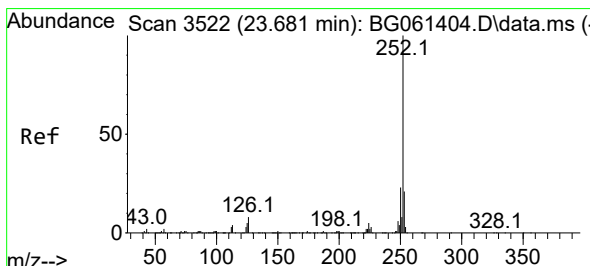
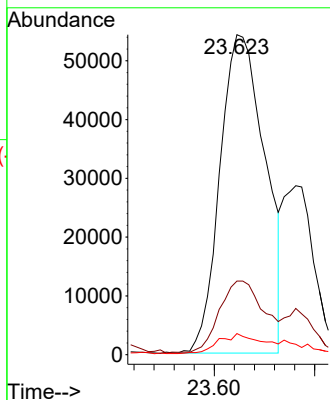
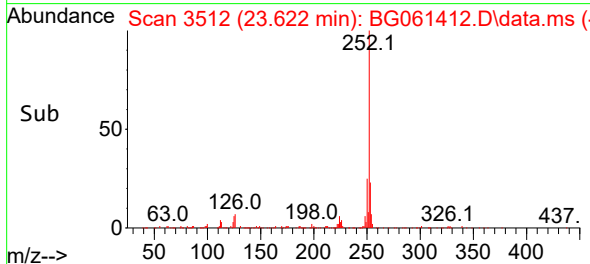
Instrument :
BNA_G
ClientSampleId :
BH6E4



Tgt Ion:252 Resp: 168794
Ion Ratio Lower Upper
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253 23.0 17.8 26.8
125 6.6 4.6 6.8

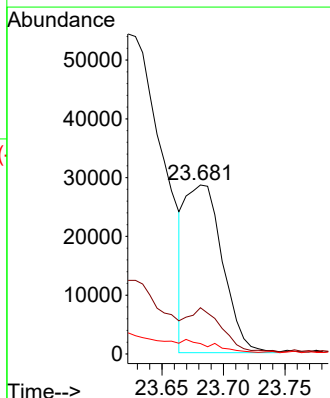
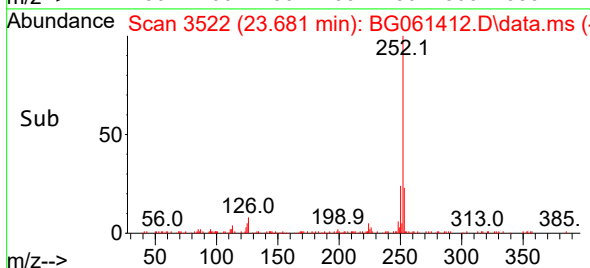
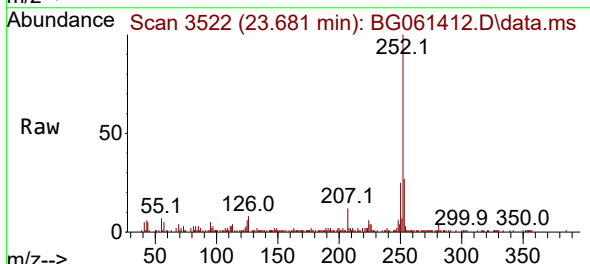
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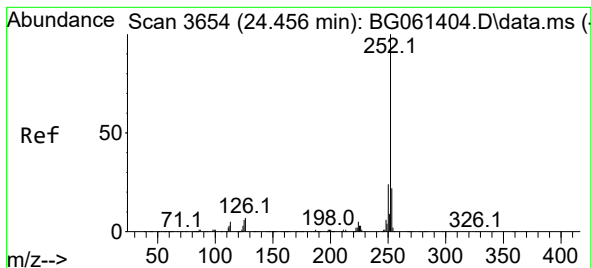
Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024



#91
Benzo(k)fluoranthene
Concen: 4.563 ng/ul m
RT: 23.681 min Scan# 3522
Delta R.T. 0.001 min
Lab File: BG061412.D
Acq: 1 Jun 2024 4:28

Tgt Ion:252 Resp: 60331
Ion Ratio Lower Upper
252 100
253 27.4 16.0 24.0#
125 6.2 4.3 6.5





#93

Benzo(a)pyrene

Concen: 9.720 ng/ul

RT: 24.451 min Scan# 3653

Delta R.T. 0.001 min

Lab File: BG061412.D

Acq: 1 Jun 2024 4:28

Instrument :

BNA_G

ClientSampleId :

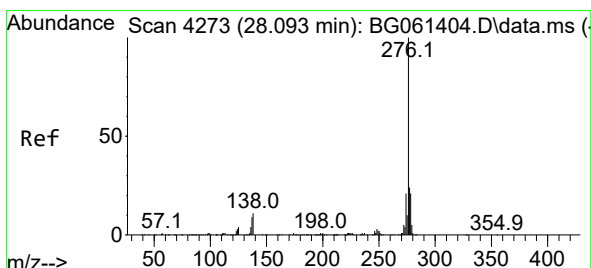
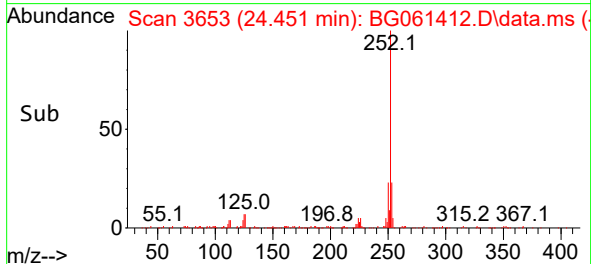
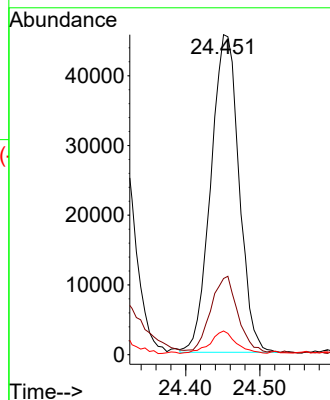
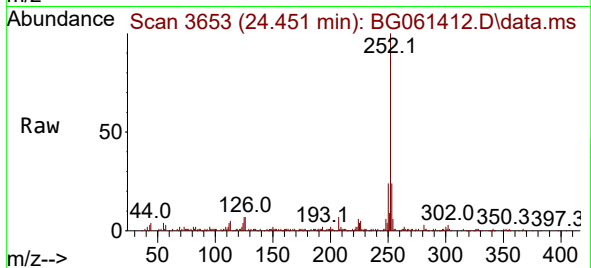
BH6E4

Tgt Ion:	252	Resp:	12020
Ion Ratio	Lower	Upper	
252	100		
253	23.8	16.4	24.6
125	7.4	4.3	6.5

Manual Integrations

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Supervised By :mohammad ahmed 06/04/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 5.957 ng/ul m

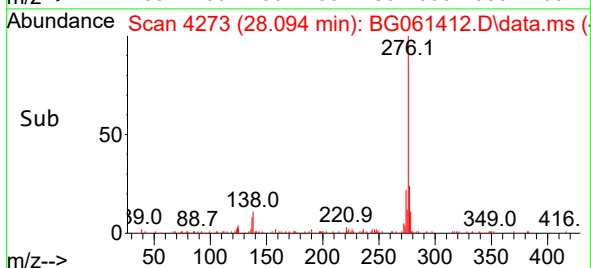
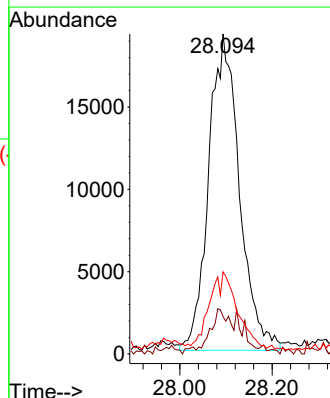
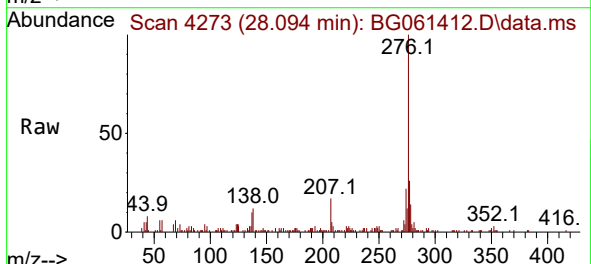
RT: 28.094 min Scan# 4273

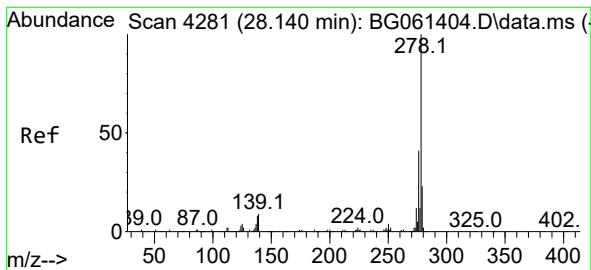
Delta R.T. 0.001 min

Lab File: BG061412.D

Acq: 1 Jun 2024 4:28

Tgt Ion:	276	Resp:	89097
Ion Ratio	Lower	Upper	
276	100		
138	11.7	8.6	13.0
277	25.6	19.7	29.5





#95

Dibenzo(a,h)anthracene

Concen: 1.807 ng/ul m

RT: 28.141 min Scan# 441

Delta R.T. 0.001 min

Lab File: BG061412.D

Acq: 1 Jun 2024 4:28

Instrument :

BNA_G

ClientSampleId :

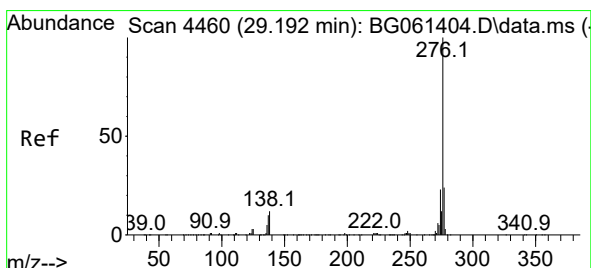
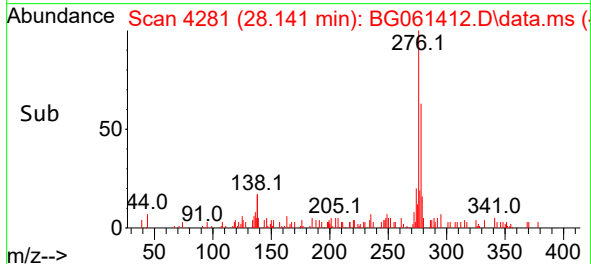
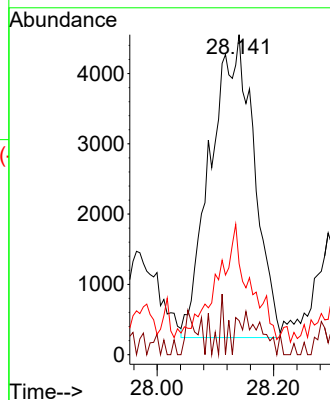
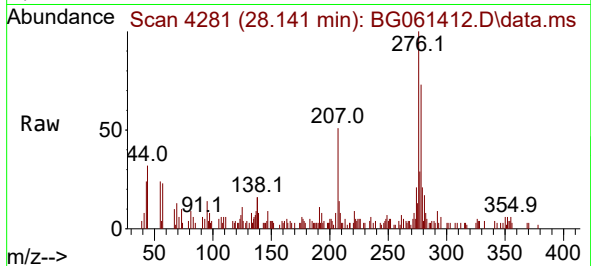
BH6E4

Tgt Ion:	278	Resp:	2228
Ion Ratio	Lower	Upper	
278	100		
139	10.7	6.4	9.6
279	28.5	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: 7.205 ng/ul m

RT: 29.187 min Scan# 4459

Delta R.T. 0.013 min

Lab File: BG061412.D

Acq: 1 Jun 2024 4:28

Tgt Ion:	276	Resp:	85724
Ion Ratio	Lower	Upper	
276	100		
138	8.7	8.7	13.1
277	24.6	18.2	27.2

