

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070124\
 Data File : BG061839.D
 Acq On : 2 Jul 2024 9:41
 Operator : MA/JU
 Sample : P2963-05
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4CQ6

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 07/02/2024
 Supervised By :mohammad ahmed 07/04/2024

Quant Time: Jul 02 12:04:14 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 27 12:23:53 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.060	152	69741	20.000	ng/u1	0.00
20) Naphthalene-d8	10.868	136	314544	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.687	164	199161	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.431	188	434063	20.000	ng/u1	0.00
79) Chrysene-d12	21.697	240	322367	20.000	ng/u1	0.00
88) Perylene-d12	24.916	264	394610	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.453	96	7151	3.704	ng/uL	0.00
4) Pyridine-d5	3.882	84	12593	2.157	ng/u1	0.01
7) Phenol-d5	7.214	99	197180	26.044	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.378	67	115757	24.527	ng/u1	0.00
11) 2-Chlorophenol-d4	7.590	132	139418	26.835	ng/u1	0.00
15) 4-Methylphenol-d8	8.759	113	140543	24.013	ng/u1	0.00
21) Nitrobenzene-d5	9.223	128	70505	33.012	ng/u1	0.00
24) 2-Nitrophenol-d4	9.946	143	79225	36.626	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.486	165	148208	28.936	ng/u1	0.00
31) 4-Chloroaniline-d4	11.009	131	32369	4.174	ng/u1	0.01
46) Dimethylphthalate-d6	14.088	166	465780	30.391	ng/u1	0.00
49) Acenaphthylene-d8	14.382	160	522688	31.119	ng/u1	0.00
54) 4-Nitrophenol-d4	14.881	143	71891	27.313	ng/u1	0.02
60) Fluorene-d10	15.674	176	405372	30.213	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.786	200	36561	19.698	ng/u1	0.00
73) Anthracene-d10	17.531	188	607016	30.637	ng/u1	0.00
81) Pyrene-d10	19.811	212	550701	30.583	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.693	264	379097	20.114	ng/u1	0.00
Target Compounds					Qvalue	
30) Naphthalene	10.921	128	26975	1.533	ng/u1	94
50) Acenaphthylene	14.411	152	28479m	1.519	ng/u1	
52) Acenaphthene	14.752	153	18706	1.441	ng/u1#	75
61) Fluorene	15.733	166	22140	1.472	ng/u1	91
72) Phenanthrene	17.472	178	472071	20.672	ng/u1	98
74) Anthracene	17.560	178	95697m	4.098	ng/u1	
77) Carbazole	17.831	167	36318	1.832	ng/u1#	96
78) Di-n-butylphthalate	18.383	149	28716	1.211	ng/u1#	96
80) Fluoranthene	19.482	202	786456	37.642	ng/u1	97
82) Pyrene	19.840	202	614630	27.667	ng/u1#	94
85) Benzo(a)anthracene	21.673	228	414482	18.317	ng/u1	96
86) Bis(2-ethylhexyl)phtha...	21.579	149	32246	2.712	ng/u1#	97
87) Chrysene	21.738	228	430105	20.087	ng/u1	97
90) Benzo(b)fluoranthene	23.900	252	568022	23.946	ng/u1	99
91) Benzo(k)fluoranthene	23.959	252	216922m	8.892	ng/u1	
93) Benzo(a)pyrene	24.764	252	218924	9.586	ng/u1#	95
94) Indeno(1,2,3-cd)pyrene	28.589	276	227636	7.999	ng/u1	95
95) Dibenzo(a,h)anthracene	28.653	278	83847m	3.543	ng/u1	

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

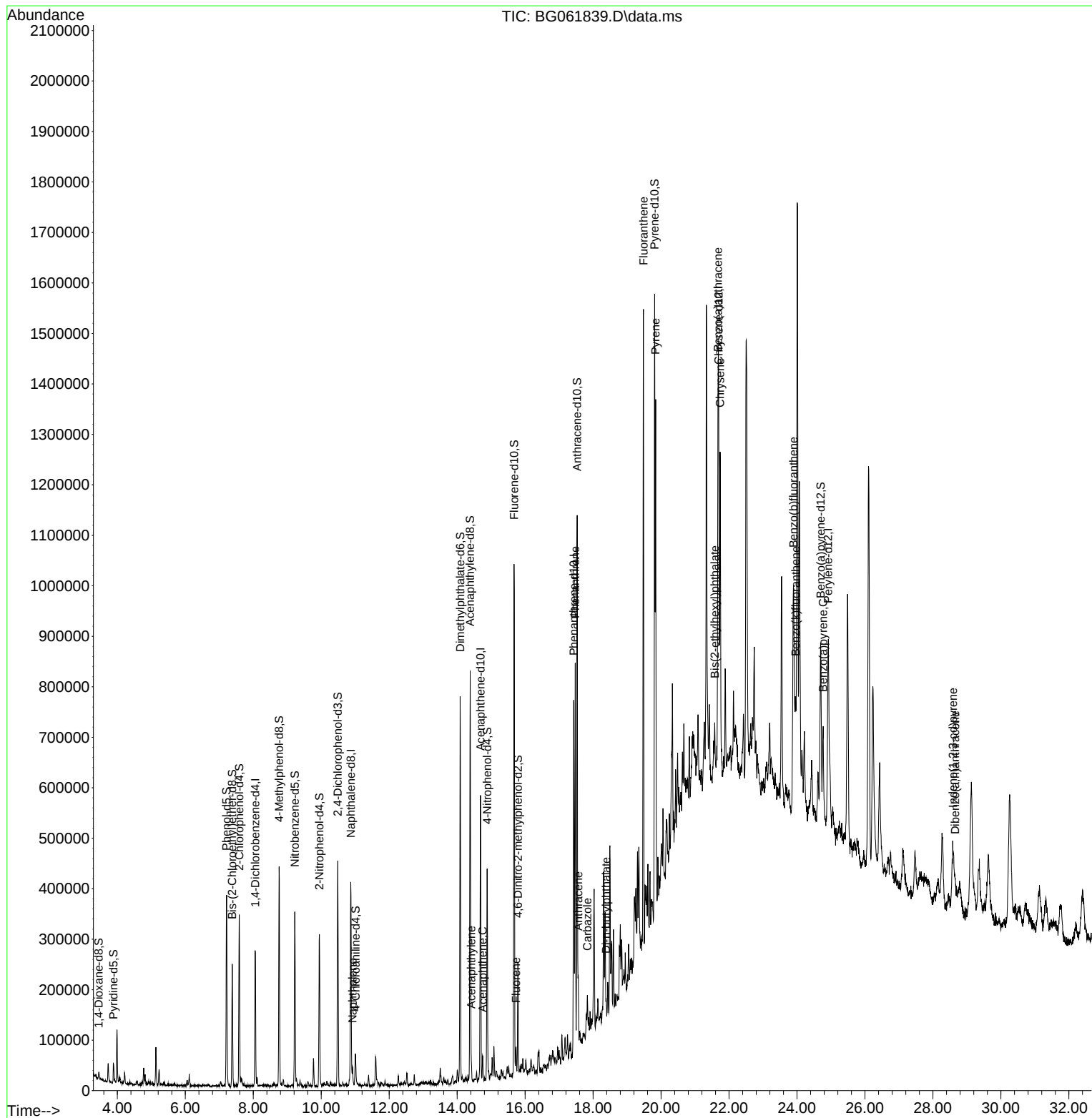
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070124\
Data File : BG061839.D
Acq On : 2 Jul 2024 9:41
Operator : MA/JU
Sample : P2963-05
Misc :
ALS Vial : 36 Sample Multiplier: 1

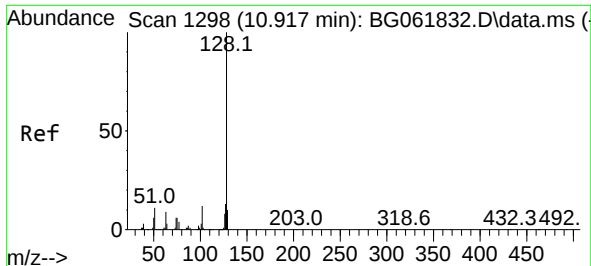
Instrument :
BNA_G
ClientSampleId :
A4CQ6

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Supervised By :mohammad ahmed 07/04/2024

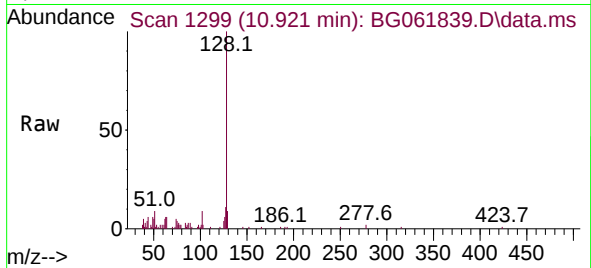
Quant Time: Jul 02 12:04:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 27 12:23:53 2024
Response via : Initial Calibration





#30
Naphthalene
Concen: 1.533 ng/ul
RT: 10.921 min Scan# 1299
Delta R.T. 0.000 min
Lab File: BG061839.D
Acq: 2 Jul 2024 9:41

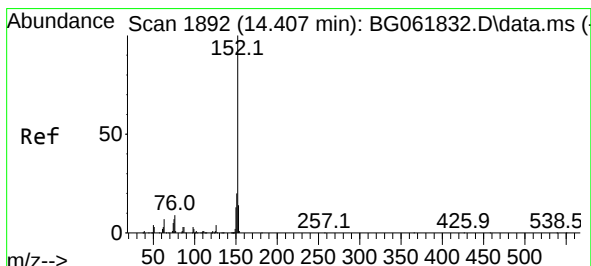
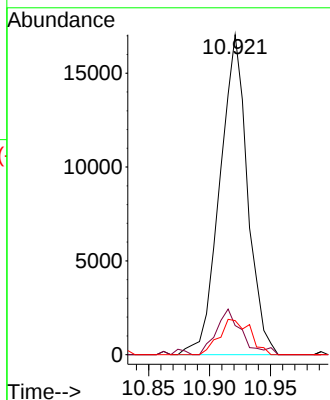
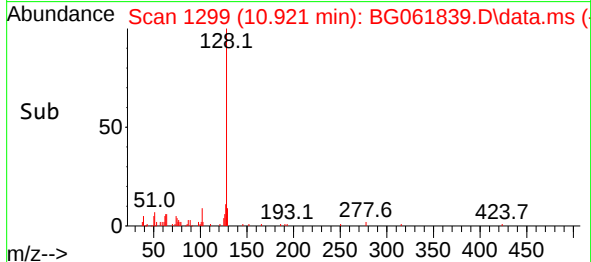
Instrument :
BNA_G
ClientSampleId :
A4CQ6



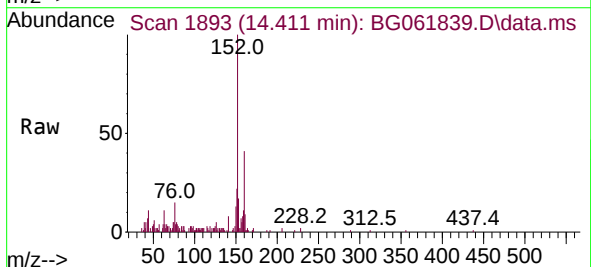
Tgt Ion:128 Resp: 26979
Ion Ratio Lower Upper
128 100
129 9.1 9.0 13.6
127 10.6 10.5 15.7

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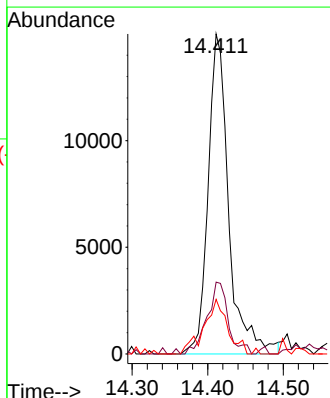
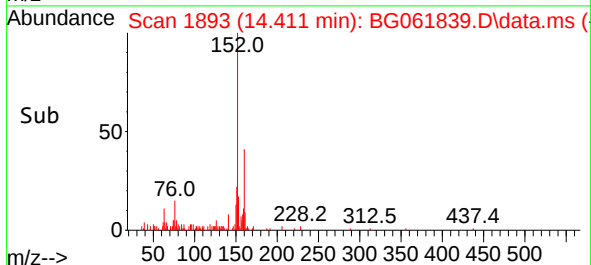
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024

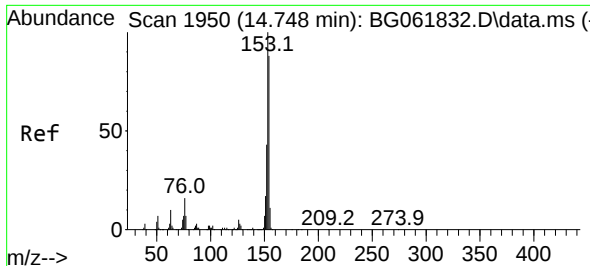


#50
Acenaphthylene
Concen: 1.519 ng/ul m
RT: 14.411 min Scan# 1893
Delta R.T. 0.000 min
Lab File: BG061839.D
Acq: 2 Jul 2024 9:41



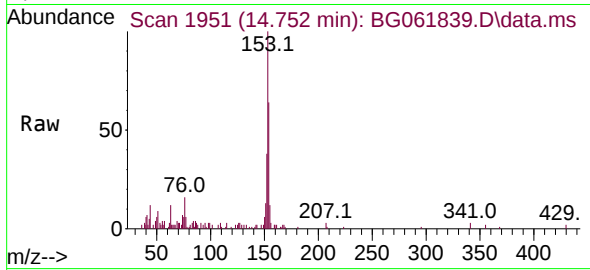
Tgt Ion:152 Resp: 28479
Ion Ratio Lower Upper
152 100
151 22.5 15.3 22.9
153 17.1 11.0 16.4#





#52
Acenaphthene
Concen: 1.441 ng/ul
RT: 14.752 min Scan# 1951
Delta R.T. 0.000 min
Lab File: BG061839.D
Acq: 2 Jul 2024 9:41

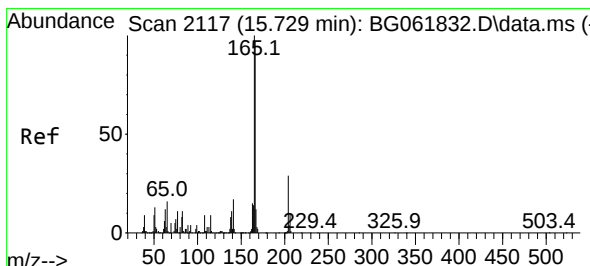
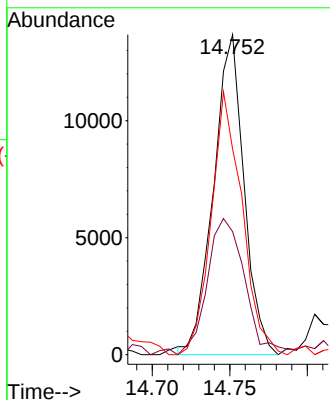
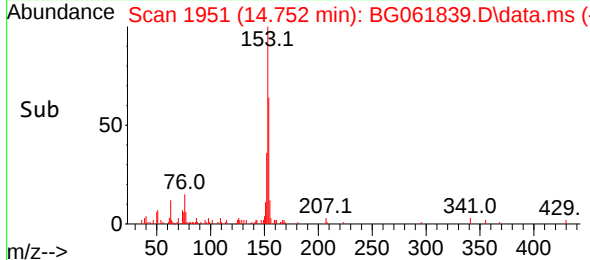
Instrument :
BNA_G
ClientSampleId :
A4CQ6



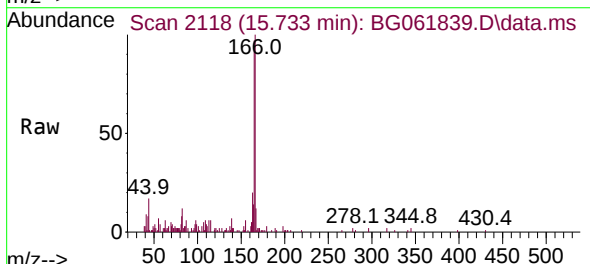
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Ion Ratio Lower Upper
153 100
152 38.4 40.0 60.0
154 64.3 74.1 111.1

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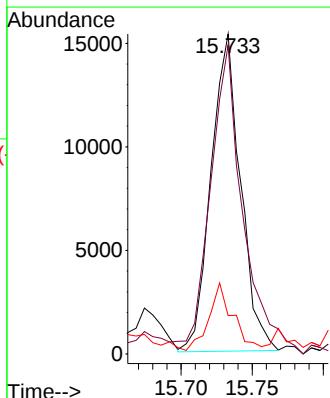
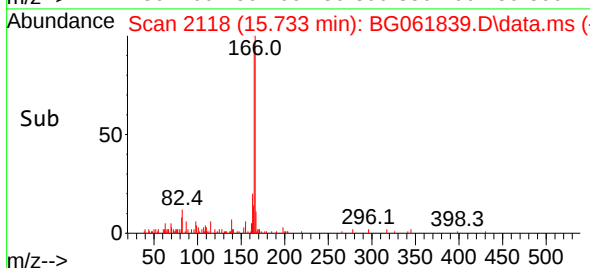
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024

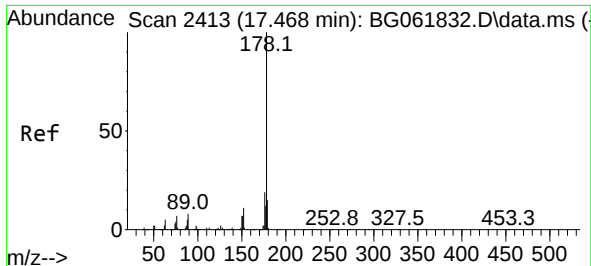


#61
Fluorene
Concen: 1.472 ng/ul
RT: 15.733 min Scan# 2118
Delta R.T. 0.000 min
Lab File: BG061839.D
Acq: 2 Jul 2024 9:41



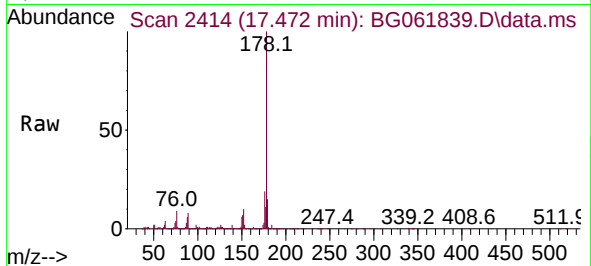
Tgt Ion:166 Resp: 22140
Ion Ratio Lower Upper
166 100
165 96.6 84.9 127.3
167 12.0 10.9 16.3





#72
Phenanthrene
Concen: 20.672 ng/ul
RT: 17.472 min Scan# 2413
Delta R.T. 0.000 min
Lab File: BG061839.D
Acq: 2 Jul 2024 9:41

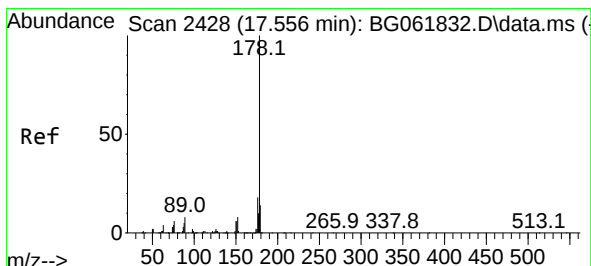
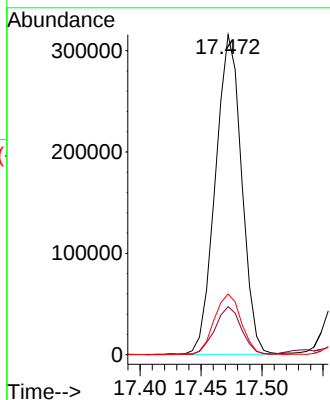
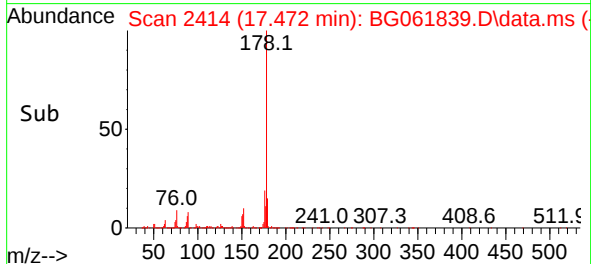
Instrument :
BNA_G
ClientSampleId :
A4CQ6



Tgt Ion:178 Resp: 47207
Ion Ratio Lower Upper
178 100
179 15.0 12.0 18.0
176 19.0 16.2 24.2

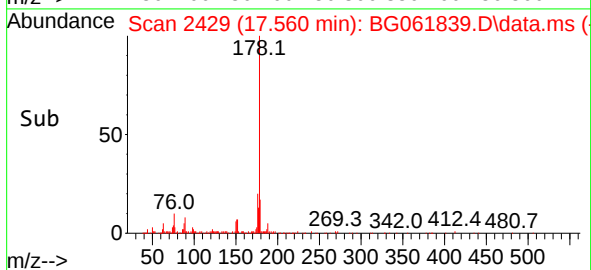
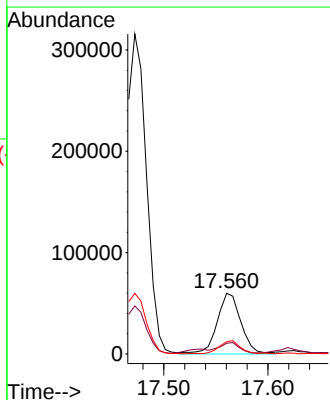
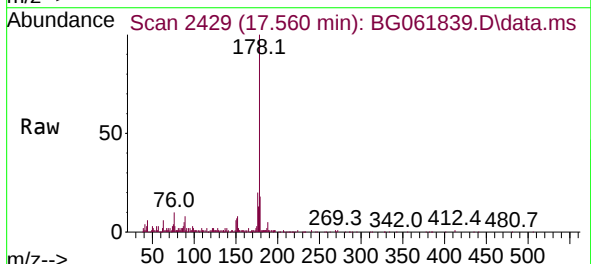
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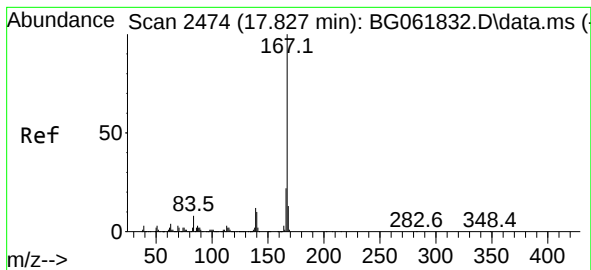
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024



#74
Anthracene
Concen: 4.098 ng/ul m
RT: 17.560 min Scan# 2429
Delta R.T. -0.005 min
Lab File: BG061839.D
Acq: 2 Jul 2024 9:41

Tgt Ion:178 Resp: 95697
Ion Ratio Lower Upper
178 100
179 17.6 11.4 17.2#
176 20.0 14.7 22.1





#77

Carbazole

Concen: 1.832 ng/ul

RT: 17.831 min Scan# 2475

Delta R.T. 0.000 min

Lab File: BG061839.D

Acq: 2 Jul 2024 9:41

Instrument :

BNA_G

ClientSampleId :

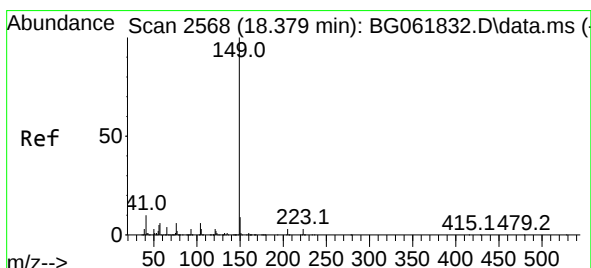
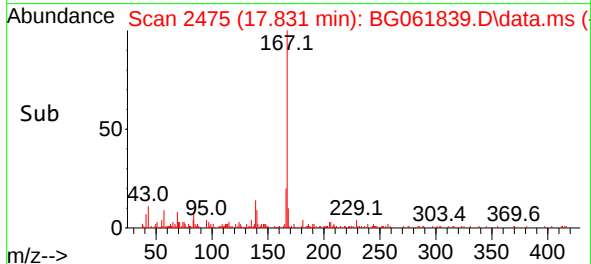
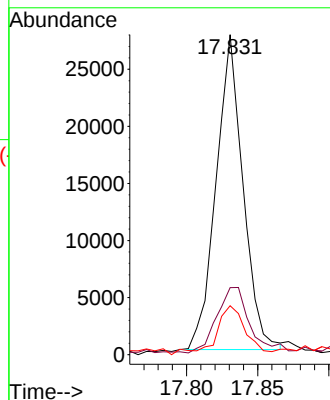
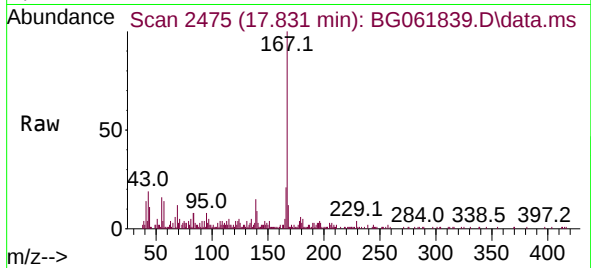
A4CQ6

Tgt Ion:	167	Resp:	36318
Ion Ratio	Lower	Upper	
167	100		
166	21.0	17.5	26.3
139	15.3	9.4	14.2

Manual Integrations

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#78

Di-n-butylphthalate

Concen: 1.211 ng/ul

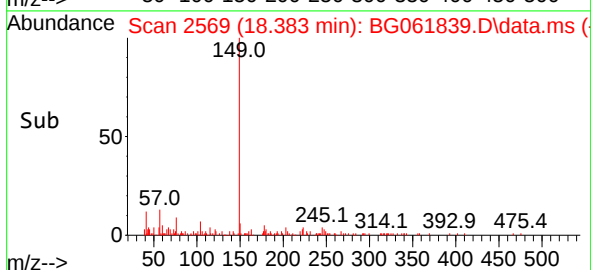
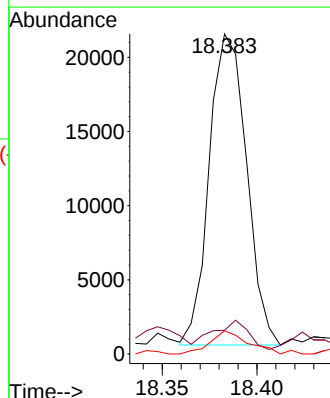
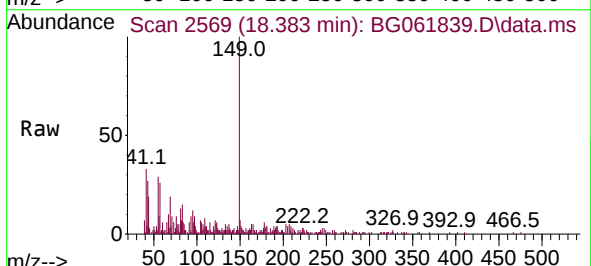
RT: 18.383 min Scan# 2569

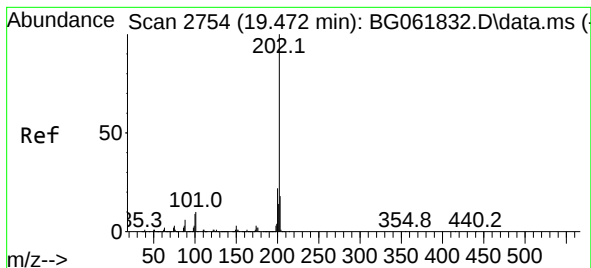
Delta R.T. -0.011 min

Lab File: BG061839.D

Acq: 2 Jul 2024 9:41

Tgt Ion:	149	Resp:	28716
Ion Ratio	Lower	Upper	
149	100		
150	7.4	6.7	10.1
104	7.3	4.6	6.8





#80

Fluoranthene

Concen: 37.642 ng/u1

RT: 19.482 min Scan# 21

Delta R.T. 0.006 min

Lab File: BG061839.D

Acq: 2 Jul 2024 9:41

Instrument :

BNA_G

ClientSampleId :

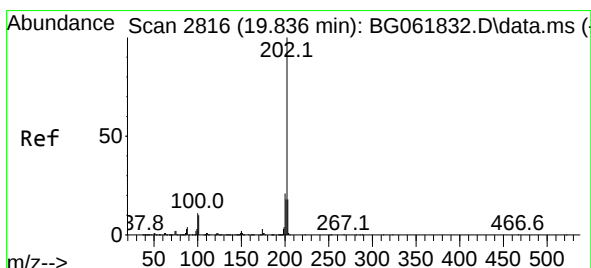
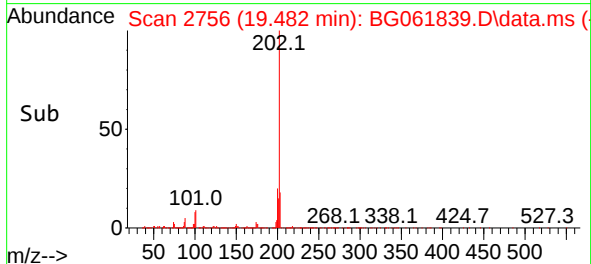
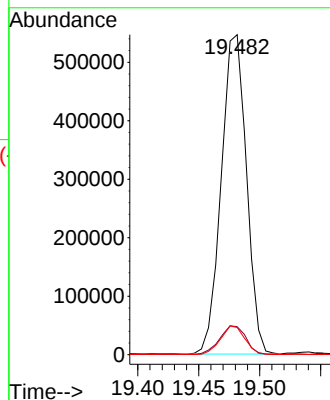
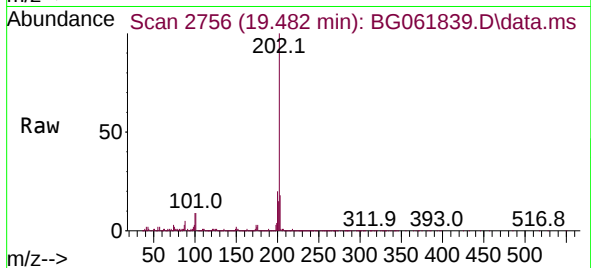
A4CQ6

Tgt Ion:202 Resp: 786450
 Ion Ratio Lower Upper
 202 100
 101 8.8 7.8 11.6
 100 8.5 7.7 11.5

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#82

Pyrene

Concen: 27.667 ng/u1

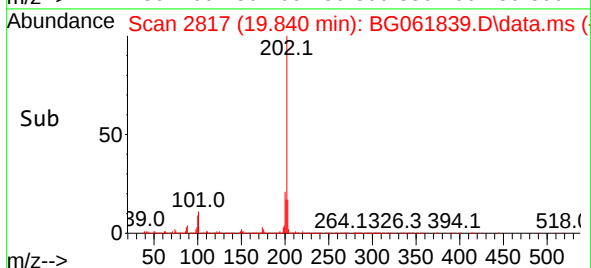
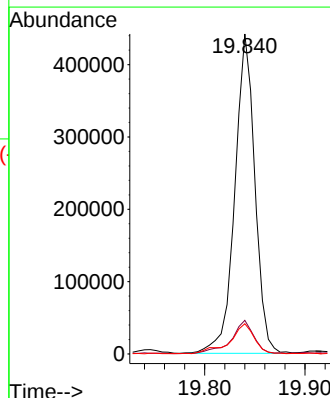
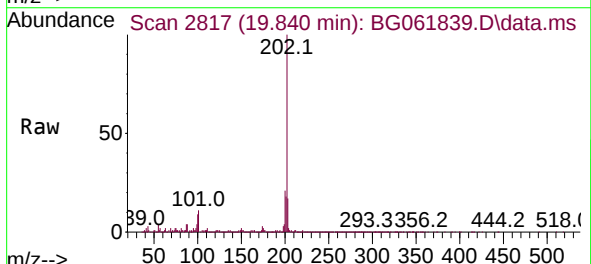
RT: 19.840 min Scan# 2817

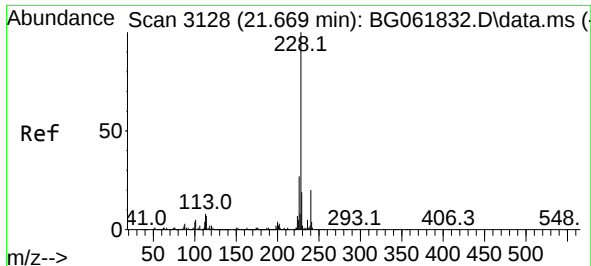
Delta R.T. 0.000 min

Lab File: BG061839.D

Acq: 2 Jul 2024 9:41

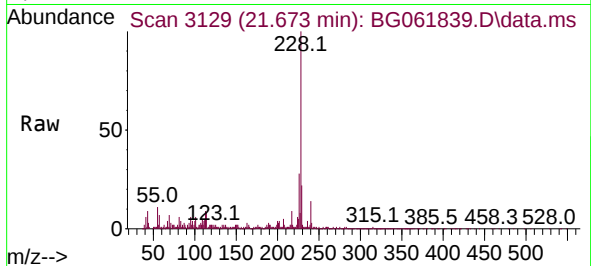
Tgt Ion:202 Resp: 614630
 Ion Ratio Lower Upper
 202 100
 101 10.5 10.1 15.1
 100 9.5 9.9 14.9#





#85
Benzo(a)anthracene
Concen: 18.317 ng/ul
RT: 21.673 min Scan# 3112
Delta R.T. 0.000 min
Lab File: BG061839.D
Acq: 2 Jul 2024 9:41

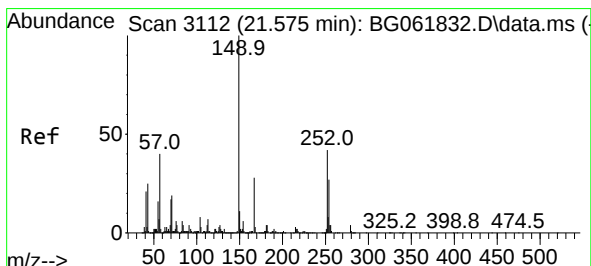
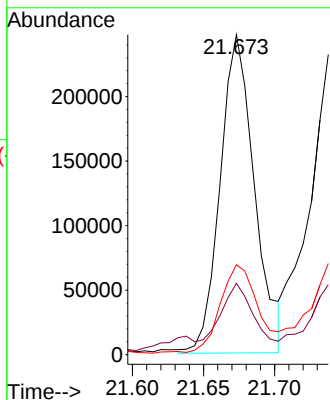
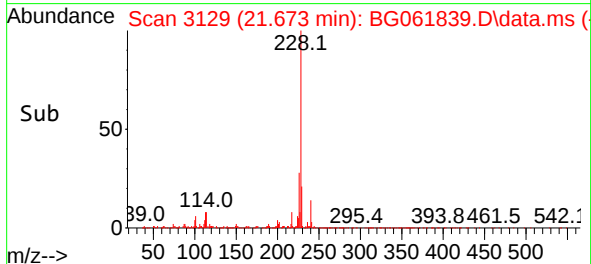
Instrument :
BNA_G
ClientSampleId :
A4CQ6



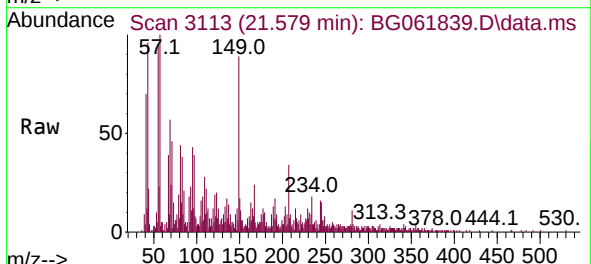
Tgt Ion:228 Resp: 41448
Ion Ratio Lower Upper
228 100
229 22.3 15.8 23.8
226 28.1 21.4 32.2

Manual Integrations
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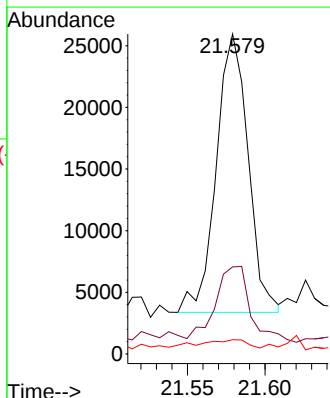
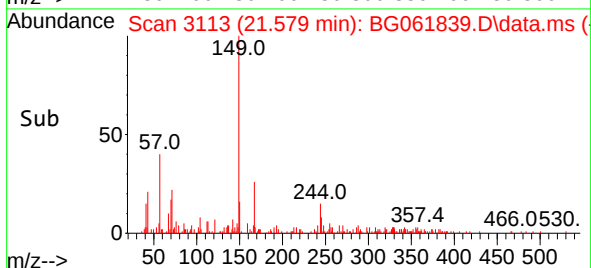
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024

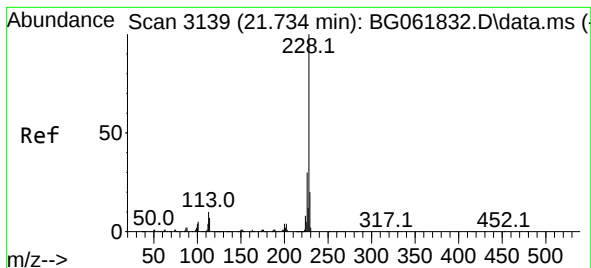


#86
Bis(2-ethylhexyl)phthalate
Concen: 2.712 ng/ul
RT: 21.579 min Scan# 3113
Delta R.T. -0.011 min
Lab File: BG061839.D
Acq: 2 Jul 2024 9:41



Tgt Ion:149 Resp: 32246
Ion Ratio Lower Upper
149 100
167 27.2 20.5 30.7
279 4.5 2.9 4.3#





#87

Chrysene

Concen: 20.087 ng/u1

RT: 21.738 min Scan# 31

Delta R.T. 0.001 min

Lab File: BG061839.D

Acq: 2 Jul 2024 9:41

Instrument :

BNA_G

ClientSampleId :

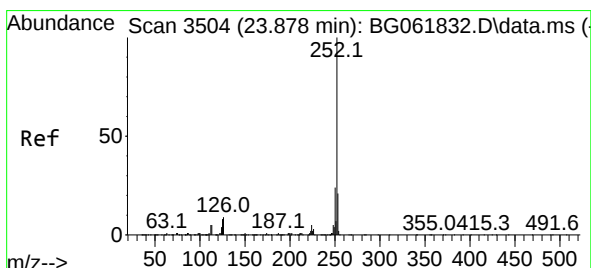
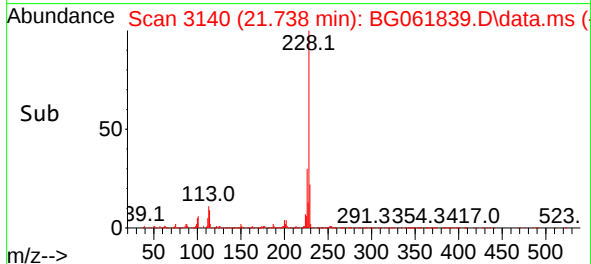
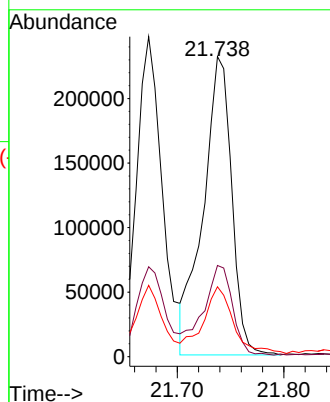
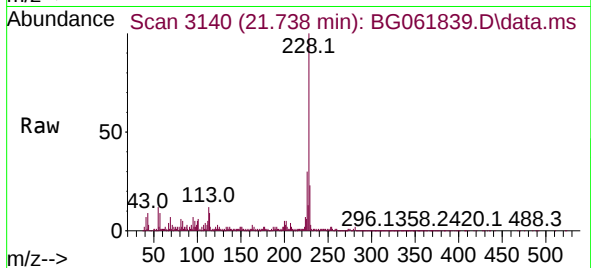
A4CQ6

Tgt Ion:228 Resp: 43010
Ion Ratio Lower Upper
228 100
226 30.4 24.2 36.2
229 23.3 16.5 24.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024



#90

Benzo(b)fluoranthene

Concen: 23.946 ng/u1

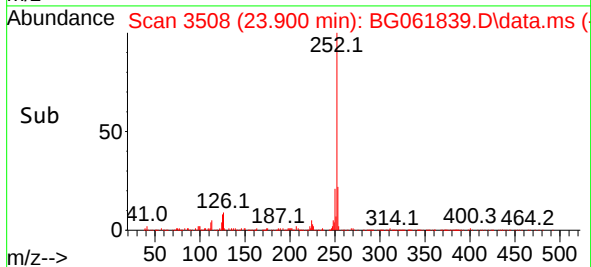
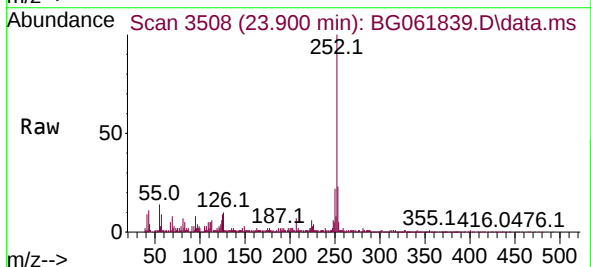
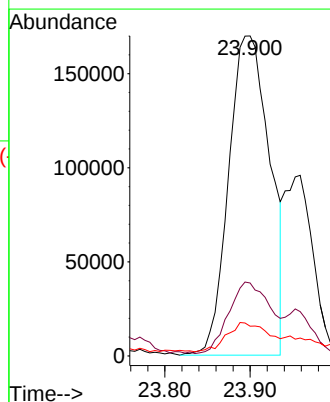
RT: 23.900 min Scan# 3508

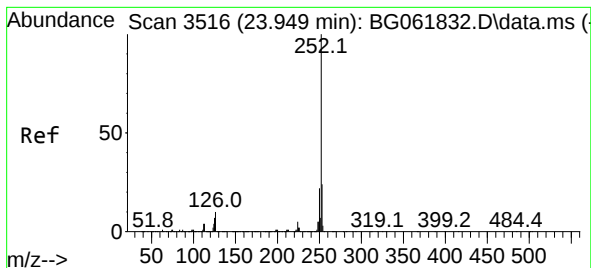
Delta R.T. 0.012 min

Lab File: BG061839.D

Acq: 2 Jul 2024 9:41

Tgt Ion:252 Resp: 568022
Ion Ratio Lower Upper
252 100
253 22.8 18.6 27.8
125 9.3 7.0 10.6





#91

Benzo(k)fluoranthene

Concen: 8.892 ng/ul m

RT: 23.959 min Scan# 3

Delta R.T. 0.000 min

Lab File: BG061839.D

Acq: 2 Jul 2024 9:41

Instrument :

BNA_G

ClientSampleId :

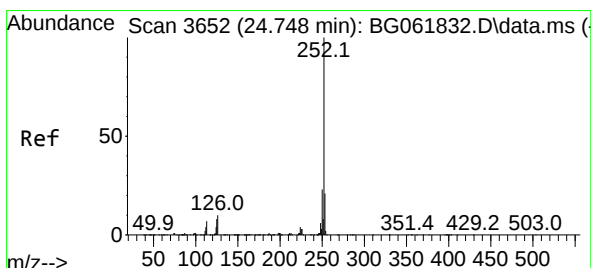
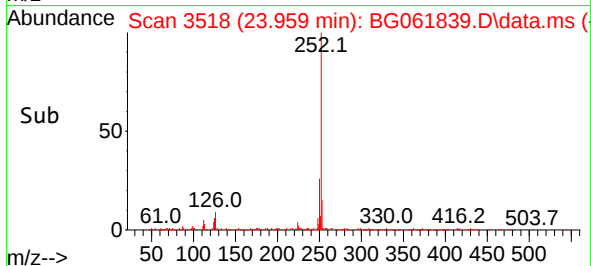
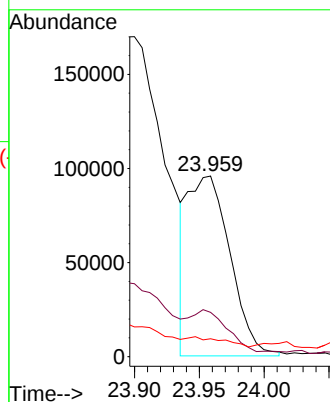
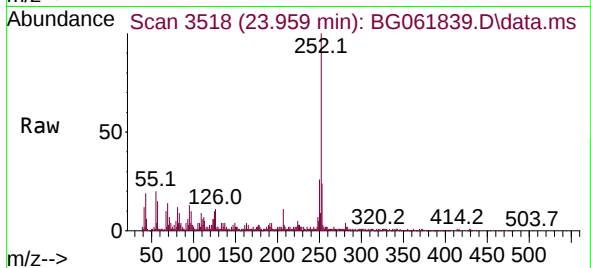
A4CQ6

Tgt Ion:252 Resp: 21692
 Ion Ratio Lower Upper
 252 100
 253 24.5 17.8 26.6
 125 9.9 6.2 9.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/02/2024
 Supervised By :mohammad ahmed 07/04/2024



#93

Benzo(a)pyrene

Concen: 9.586 ng/ul

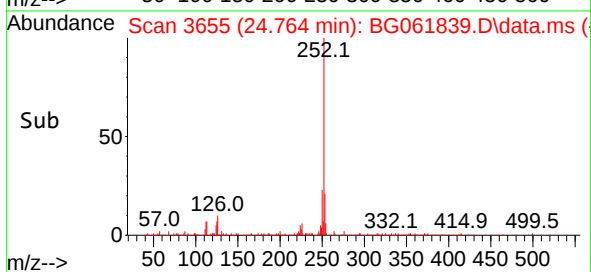
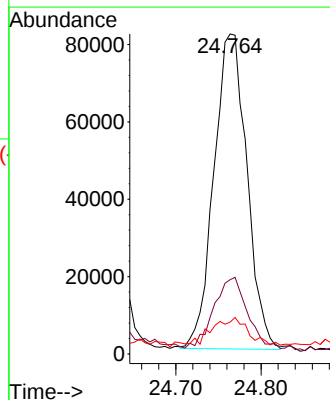
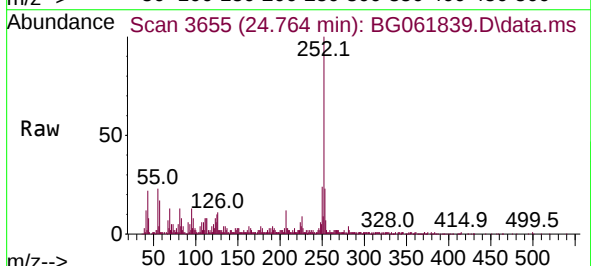
RT: 24.764 min Scan# 3655

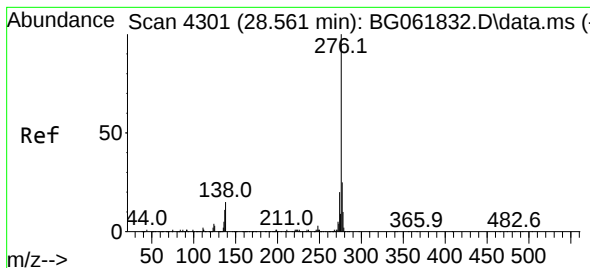
Delta R.T. 0.000 min

Lab File: BG061839.D

Acq: 2 Jul 2024 9:41

Tgt Ion:252 Resp: 218924
 Ion Ratio Lower Upper
 252 100
 253 23.2 16.8 25.2
 125 10.0 6.5 9.7





#94

Indeno(1,2,3-cd)pyrene

Concen: 7.999 ng/ul

RT: 28.589 min Scan# 4306

Delta R.T. 0.024 min

Lab File: BG061839.D

Acq: 2 Jul 2024 9:41

Instrument :

BNA_G

ClientSampleId :

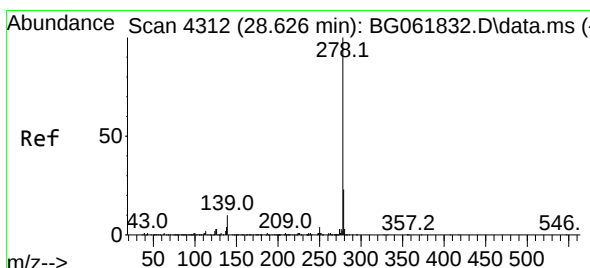
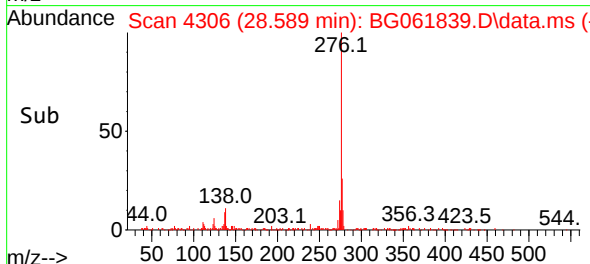
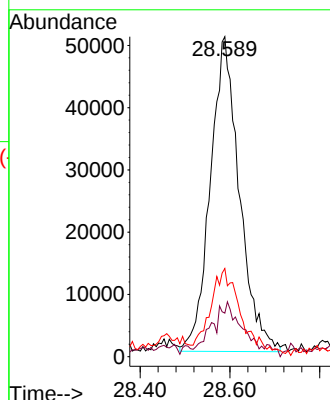
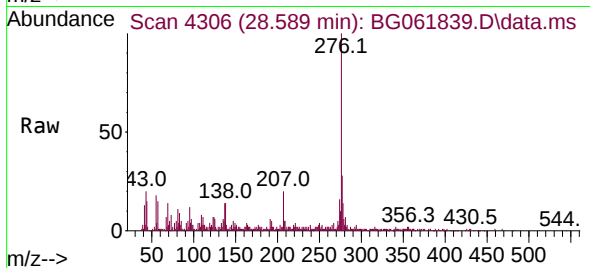
A4CQ6

Tgt Ion:	276	Resp:	227630
Ion Ratio	Lower	Upper	
276	100		
138	13.6	12.2	18.4
277	27.5	19.7	29.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024



#95

Dibenzo(a,h)anthracene

Concen: 3.543 ng/ul m

RT: 28.653 min Scan# 4317

Delta R.T. 0.018 min

Lab File: BG061839.D

Acq: 2 Jul 2024 9:41

Tgt Ion:	278	Resp:	83847
Ion Ratio	Lower	Upper	
278	100		
139	12.0	9.1	13.7
279	31.7	18.6	28.0#

