

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070124\
 Data File : BG061841.D
 Acq On : 2 Jul 2024 11:02
 Operator : MA/JU
 Sample : P2963-07
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4CQ8

Quant Time: Jul 03 01:19:59 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

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 07/03/2024
 Supervised By :mohammad ahmed 07/04/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.059	152	68652	20.000	ng/u1	0.00
20) Naphthalene-d8	10.867	136	323609	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.686	164	207803	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.430	188	442886	20.000	ng/u1	0.00
79) Chrysene-d12	21.696	240	332986	20.000	ng/u1	0.00
88) Perylene-d12	24.927	264	398994	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.458	96	8425	4.433	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.218	99	224755	30.157	ng/u1	0.02
9) Bis-(2-Chloroethyl)eth...	7.383	67	138578	29.828	ng/u1	0.00
11) 2-Chlorophenol-d4	7.589	132	159119	31.112	ng/u1	0.00
15) 4-Methylphenol-d8	8.764	113	160269	27.817	ng/u1	0.01
21) Nitrobenzene-d5	9.222	128	81351	37.023	ng/u1	0.00
24) 2-Nitrophenol-d4	9.945	143	93105	41.837	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.485	165	170057	32.272	ng/u1	0.00
31) 4-Chloroaniline-d4	11.002	131	19294	2.418	ng/u1	0.00
46) Dimethylphthalate-d6	14.093	166	518033	32.395	ng/u1	0.00
49) Acenaphthylene-d8	14.381	160	573238	32.710	ng/u1	0.00
54) 4-Nitrophenol-d4	14.880	143	81953	29.840	ng/u1	0.02
60) Fluorene-d10	15.679	176	452831	32.346	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.791	200	41240	21.776	ng/u1	0.00
73) Anthracene-d10	17.530	188	706843	34.964	ng/u1	0.00
81) Pyrene-d10	19.816	212	632590	34.010	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.710	264	471392	24.737	ng/u1	0.02
Target Compounds						
					Qvalue	
16) Acetophenone	8.881	105	13607	1.434	ng/u1	96
30) Naphthalene	10.920	128	55184	3.048	ng/u1	97
36) 2-Methylnaphthalene	12.524	142	24590	1.925	ng/u1	90
37) 1-Methylnaphthalene	12.741	142	17603	1.291	ng/u1#	93
50) Acenaphthylene	14.416	152	31340	1.602	ng/u1#	94
52) Acenaphthene	14.751	153	64179	4.737	ng/u1	89
56) Dibenzofuran	15.086	168	63311	3.339	ng/u1	92
61) Fluorene	15.732	166	69154	4.408	ng/u1	90
72) Phenanthrene	17.477	178	1131089	48.545	ng/u1	99
74) Anthracene	17.565	178	232739	9.768	ng/u1	96
77) Carbazole	17.835	167	94998	4.696	ng/u1#	93
80) Fluoranthene	19.481	202	1409330	65.303	ng/u1	98
82) Pyrene	19.845	202	1124326	48.996	ng/u1#	95
85) Benzo(a)anthracene	21.678	228	711824	30.454	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.578	149	21985	1.790	ng/u1#	94
87) Chrysene	21.743	228	739616	33.441	ng/u1	98
90) Benzo(b)fluoranthene	23.899	252	913764	38.098	ng/u1	98
91) Benzo(k)fluoranthene	23.964	252	318586m	12.916	ng/u1	
93) Benzo(a)pyrene	24.774	252	392409	16.994	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	28.605	276	364505m	12.668	ng/u1	
95) Dibenzo(a,h)anthracene	28.640	278	148065m	6.188	ng/u1	
96) Benzo(g,h,i)perylene	29.745	276	50705m	2.186	ng/u1	

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

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

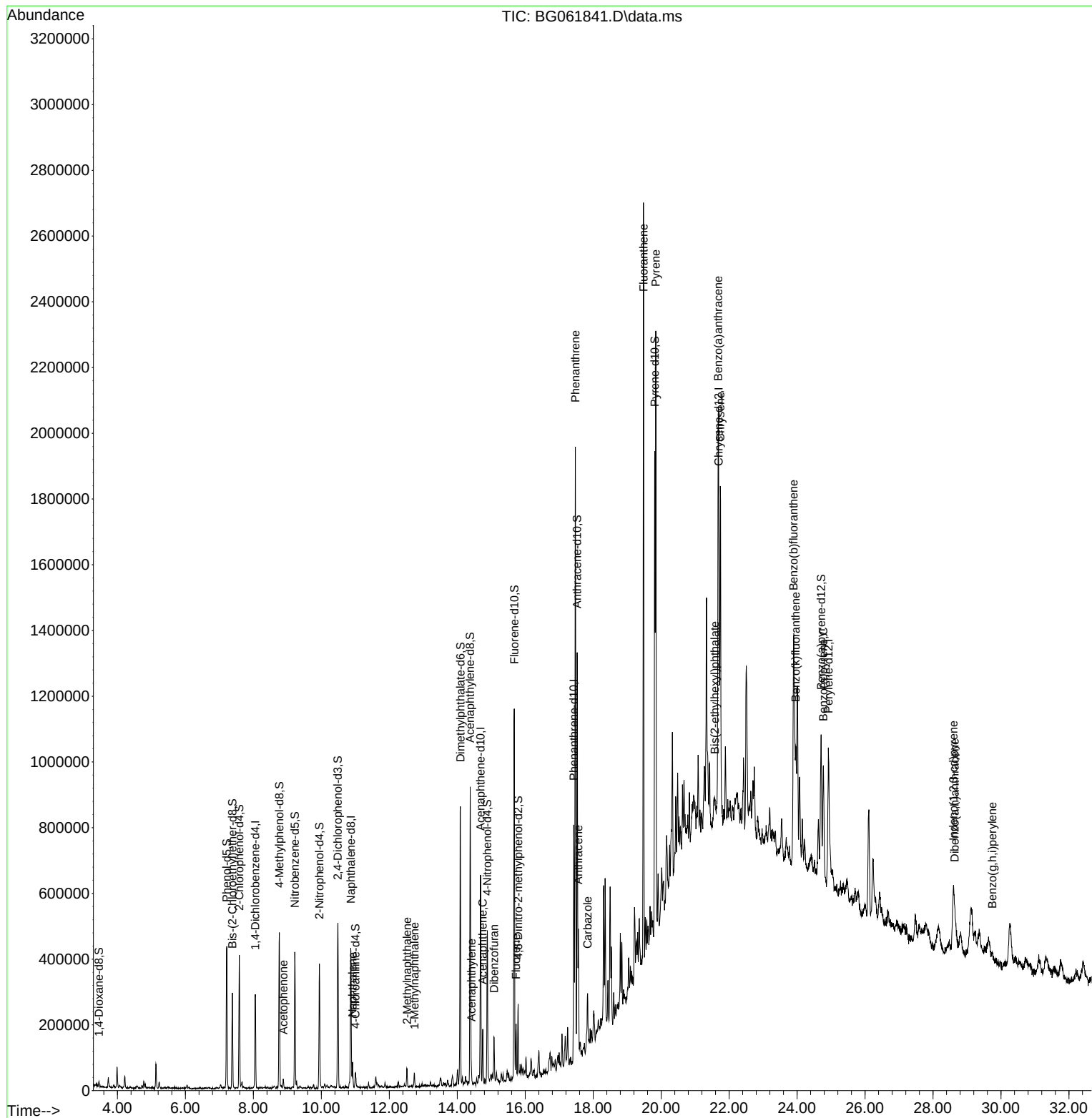
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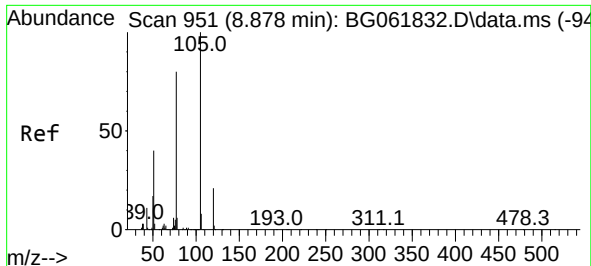
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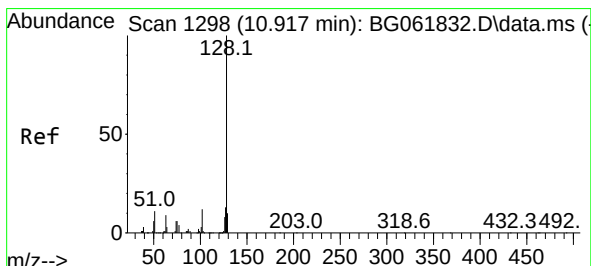
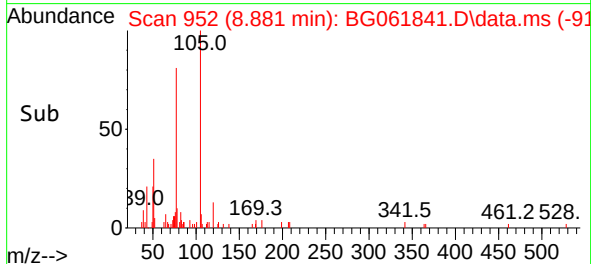
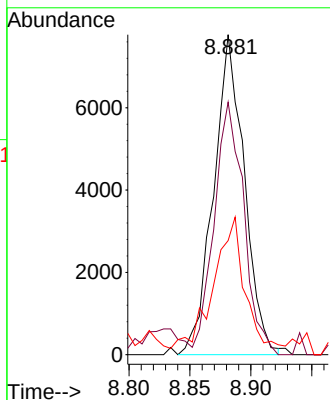
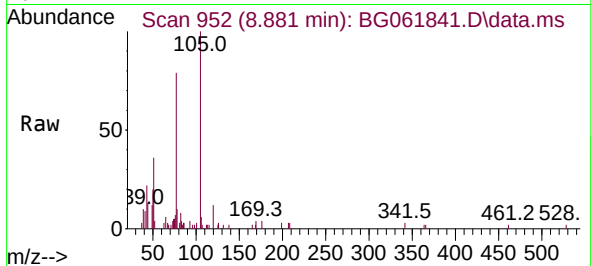
#16
Acetophenone
Concen: 1.434 ng/ul
RT: 8.881 min Scan# 91
Delta R.T. -0.000 min
Lab File: BG061841.D
Acq: 2 Jul 2024 11:02

Instrument :
BNA_G
ClientSampleId :
A4CQ8

Tgt Ion	Ratio	Lower	Upper
105	100		
77	78.9	60.4	90.6
51	35.7	31.1	46.7

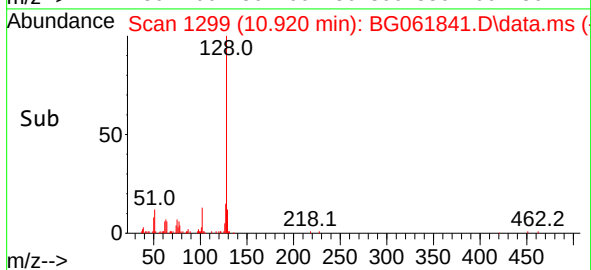
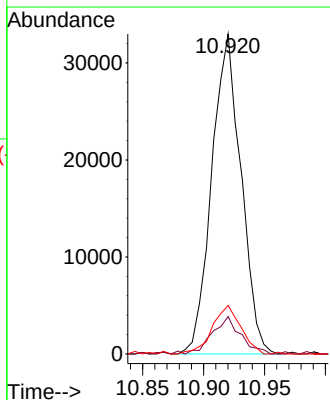
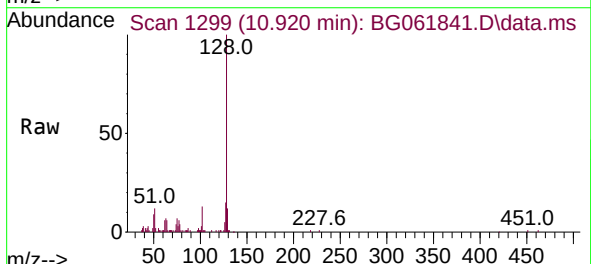
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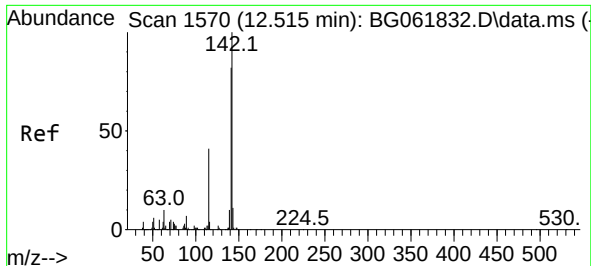
Reviewed By :Jagrut Upadhyay 07/03/2024
Supervised By :mohammad ahmed 07/04/2024



#30
Naphthalene
Concen: 3.048 ng/ul
RT: 10.920 min Scan# 1299
Delta R.T. -0.000 min
Lab File: BG061841.D
Acq: 2 Jul 2024 11:02

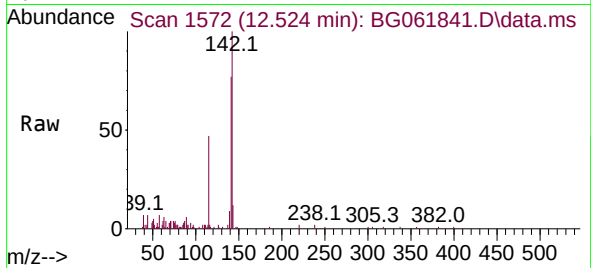
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.0	13.6
127	15.2	10.5	15.7





#36
2-Methylnaphthalene
Concen: 1.925 ng/ul
RT: 12.524 min Scan# 11
Delta R.T. 0.005 min
Lab File: BG061841.D
Acq: 2 Jul 2024 11:02

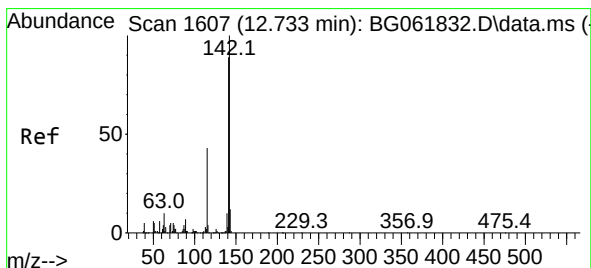
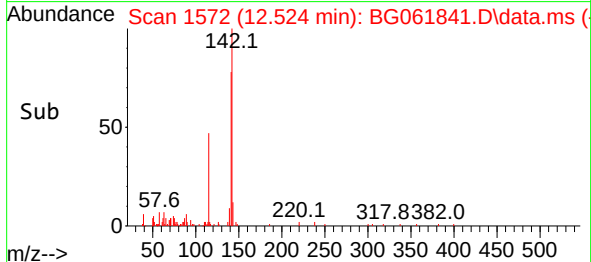
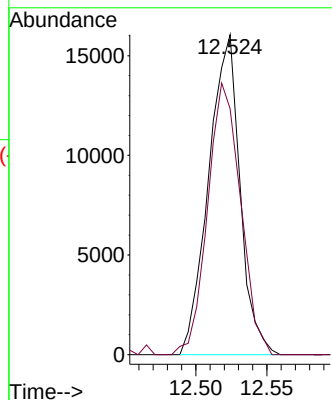
Instrument :
BNA_G
ClientSampleId :
A4CQ8



Tgt Ion:142 Resp: 24590
Ion Ratio Lower Upper
142 100
141 76.9 68.5 102.7

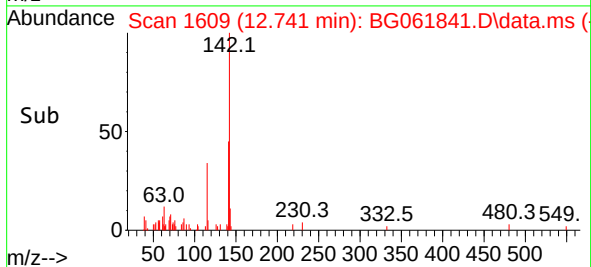
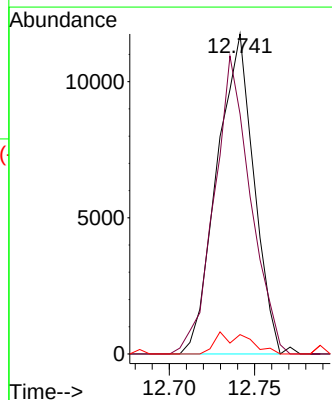
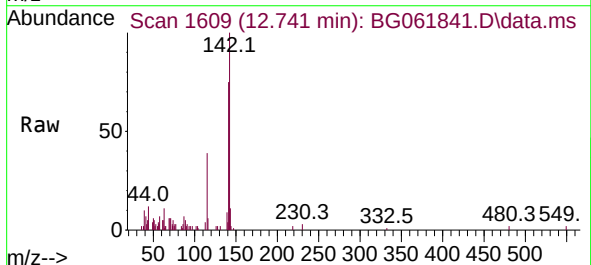
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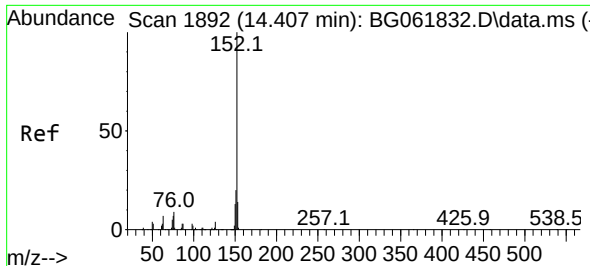
Reviewed By :Jagrut Upadhyay 07/03/2024
Supervised By :mohammad ahmed 07/04/2024



#37
1-Methylnaphthalene
Concen: 1.291 ng/ul
RT: 12.741 min Scan# 1609
Delta R.T. 0.005 min
Lab File: BG061841.D
Acq: 2 Jul 2024 11:02

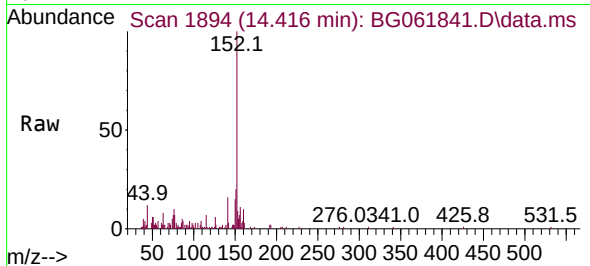
Tgt Ion:142 Resp: 17603
Ion Ratio Lower Upper
142 100
141 75.0 64.6 97.0
116 6.0 3.0 4.6#





#50
Acenaphthylene
Concen: 1.602 ng/ul
RT: 14.416 min Scan# 1894
Delta R.T. 0.005 min
Lab File: BG061841.D
Acq: 2 Jul 2024 11:02

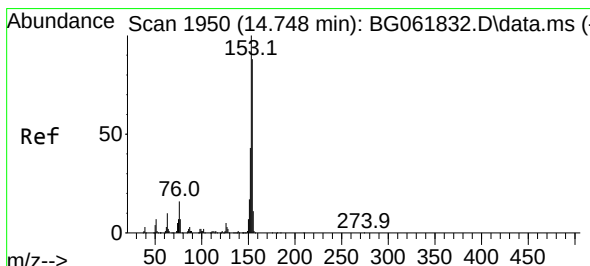
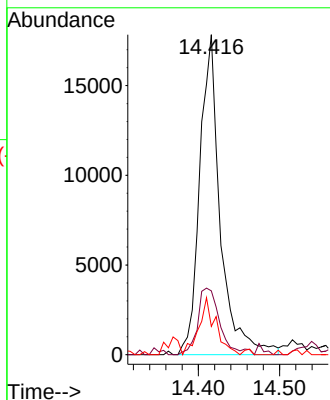
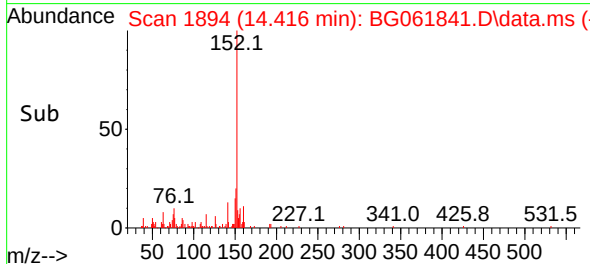
Instrument :
BNA_G
ClientSampleId :
A4CQ8



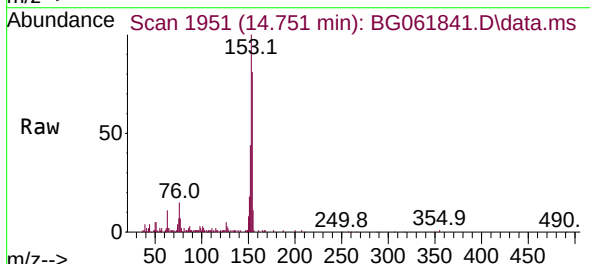
Tgt Ion:152 Resp: 31340
Ion Ratio Lower Upper
152 100
151 19.9 15.3 22.9
153 8.8 11.0 16.4

Manual Integrations
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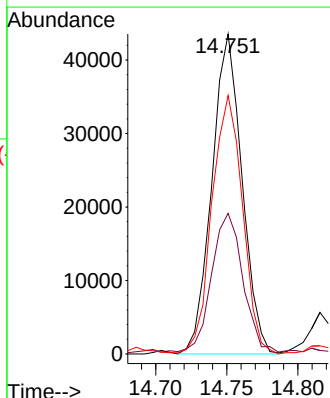
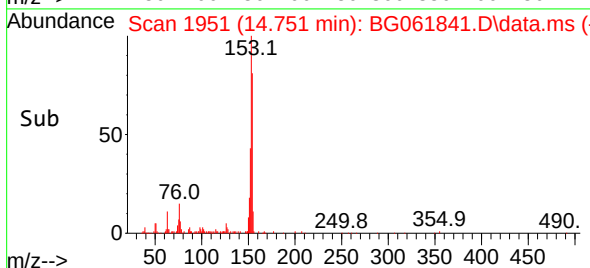
Reviewed By :Jagrut Upadhyay 07/03/2024
Supervised By :mohammad ahmed 07/04/2024

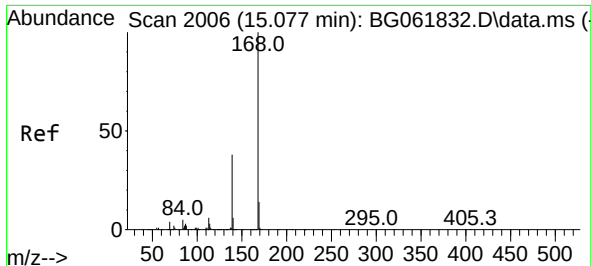


#52
Acenaphthene
Concen: 4.737 ng/ul
RT: 14.751 min Scan# 1951
Delta R.T. -0.000 min
Lab File: BG061841.D
Acq: 2 Jul 2024 11:02



Tgt Ion:153 Resp: 64179
Ion Ratio Lower Upper
153 100
152 44.0 40.0 60.0
154 80.7 74.1 111.1





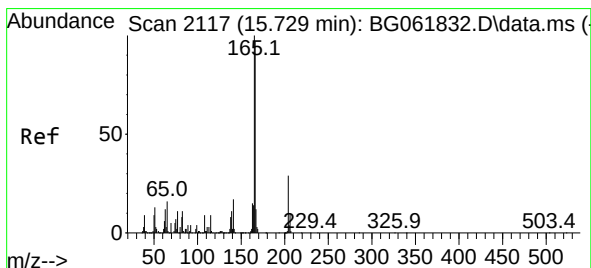
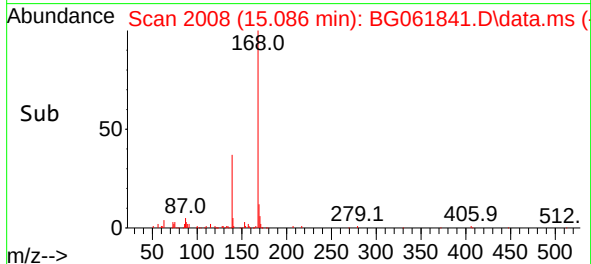
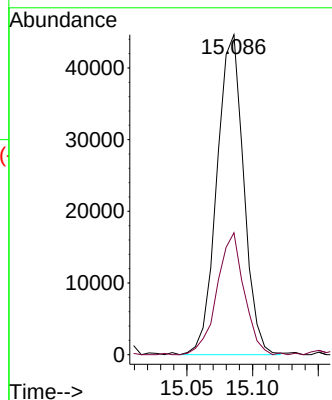
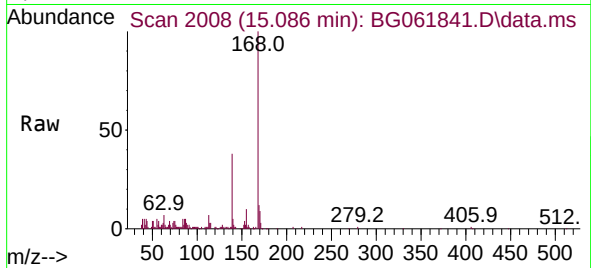
#56
Dibenzofuran
Concen: 3.339 ng/ul
RT: 15.086 min Scan# 2008
Delta R.T. -0.000 min
Lab File: BG061841.D
Acq: 2 Jul 2024 11:02

Instrument :
BNA_G
ClientSampleId :
A4CQ8

Tgt Ion:168 Resp: 6331
Ion Ratio Lower Upper
168 100
139 38.1 27.0 40.4

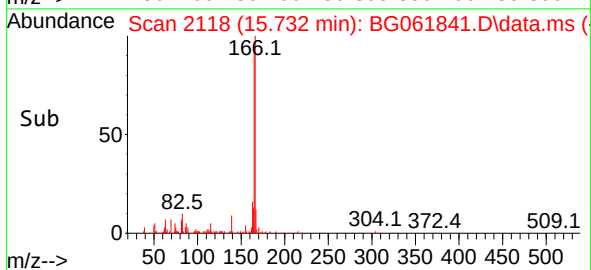
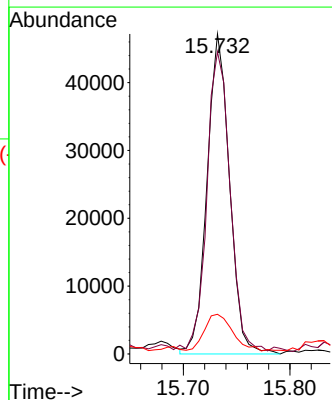
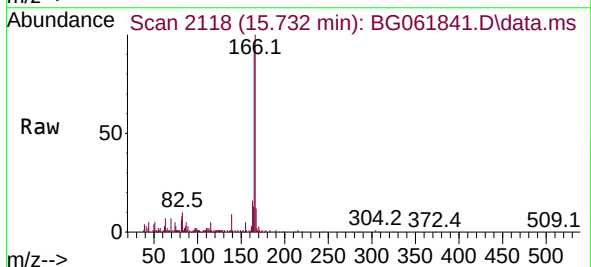
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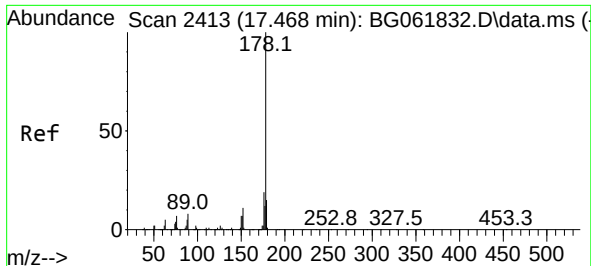
Reviewed By :Jagrut Upadhyay 07/03/2024
Supervised By :mohammad ahmed 07/04/2024



#61
Fluorene
Concen: 4.408 ng/ul
RT: 15.732 min Scan# 2118
Delta R.T. -0.000 min
Lab File: BG061841.D
Acq: 2 Jul 2024 11:02

Tgt Ion:166 Resp: 69154
Ion Ratio Lower Upper
166 100
165 94.4 84.9 127.3
167 12.4 10.9 16.3





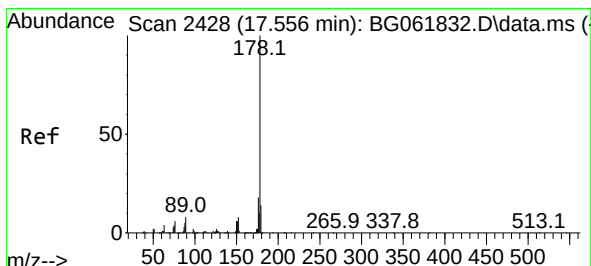
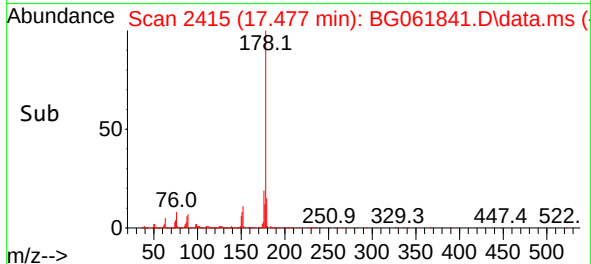
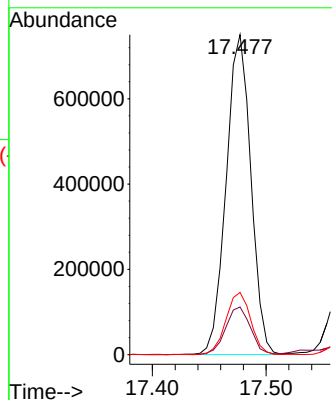
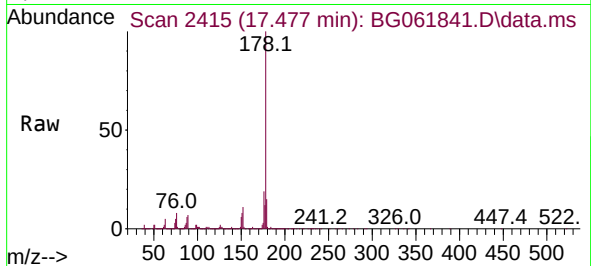
#72
Phenanthrene
Concen: 48.545 ng/ul
RT: 17.477 min Scan# 2413
Delta R.T. 0.005 min
Lab File: BG061841.D
Acq: 2 Jul 2024 11:02

Instrument :
BNA_G
ClientSampleId :
A4CQ8

Tgt Ion:178 Resp: 1131089
Ion Ratio Lower Upper
178 100
179 14.9 12.0 18.0
176 19.4 16.2 24.2

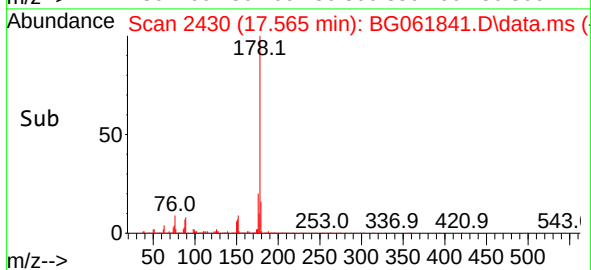
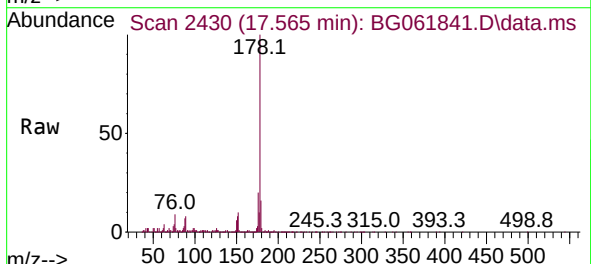
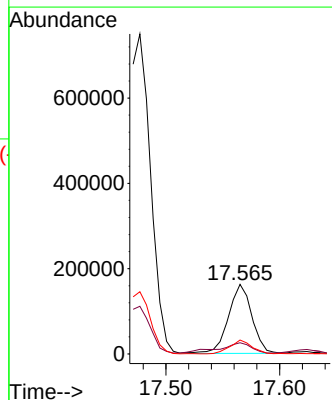
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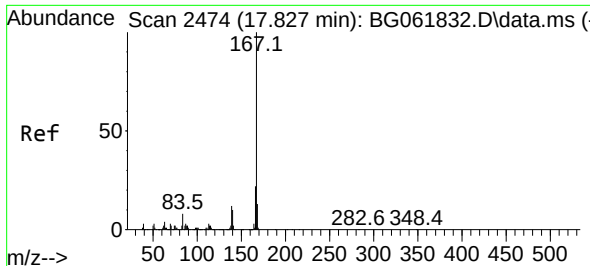
Reviewed By :Jagrut Upadhyay 07/03/2024
Supervised By :mohammad ahmed 07/04/2024



#74
Anthracene
Concen: 9.768 ng/ul
RT: 17.565 min Scan# 2430
Delta R.T. -0.000 min
Lab File: BG061841.D
Acq: 2 Jul 2024 11:02

Tgt Ion:178 Resp: 232739
Ion Ratio Lower Upper
178 100
179 16.1 11.4 17.2
176 19.9 14.7 22.1





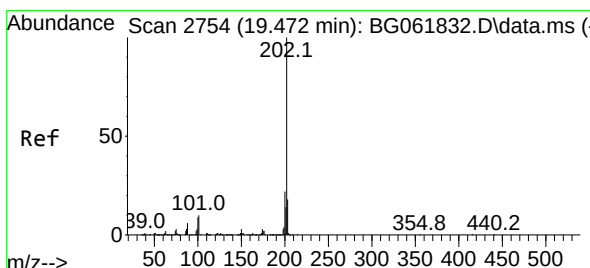
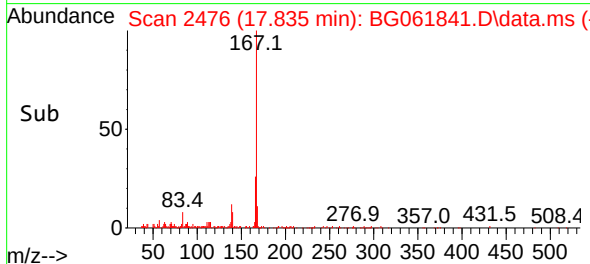
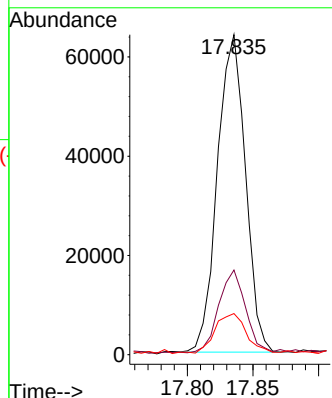
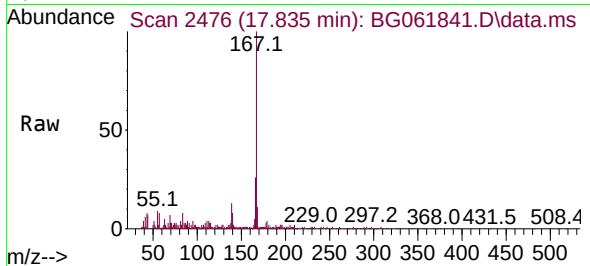
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 Carbazole
 Concen: 4.696 ng/ul
 RT: 17.835 min Scan# 2476
 Delta R.T. 0.005 min
 Lab File: BG061841.D
 Acq: 2 Jul 2024 11:02

Instrument :
 BNA_G
 ClientSampleId :
 A4CQ8

Tgt Ion:167 Resp: 94998
 Ion Ratio Lower Upper
 167 100
 166 26.4 17.5 26.3
 139 12.8 9.4 14.2

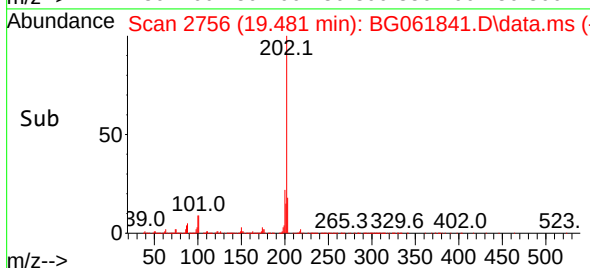
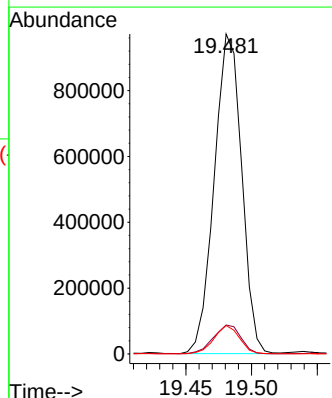
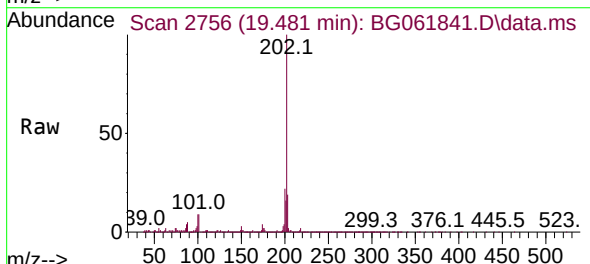
Manual Integrations
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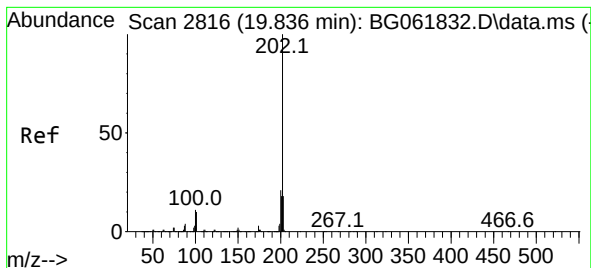
Reviewed By :Jagrut Upadhyay 07/03/2024
 Supervised By :mohammad ahmed 07/04/2024



#80
 Fluoranthene
 Concen: 65.303 ng/ul
 RT: 19.481 min Scan# 2756
 Delta R.T. 0.005 min
 Lab File: BG061841.D
 Acq: 2 Jul 2024 11:02

Tgt Ion:202 Resp: 1409330
 Ion Ratio Lower Upper
 202 100
 101 9.1 7.8 11.6
 100 8.9 7.7 11.5





#82

Pyrene

Concen: 48.996 ng/ul

RT: 19.845 min Scan# 21

Delta R.T. 0.005 min

Lab File: BG061841.D

Acq: 2 Jul 2024 11:02

Instrument :

BNA_G

ClientSampleId :

A4CQ8

Tgt Ion:202 Resp: 1124320

Ion Ratio Lower Upper

202 100

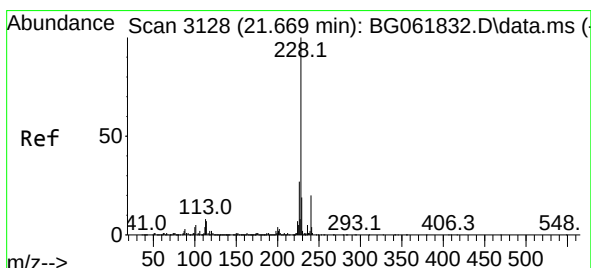
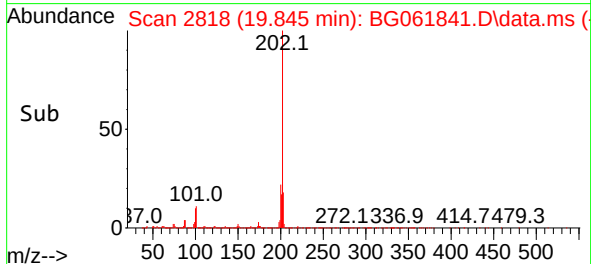
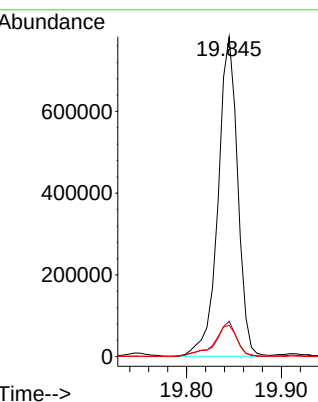
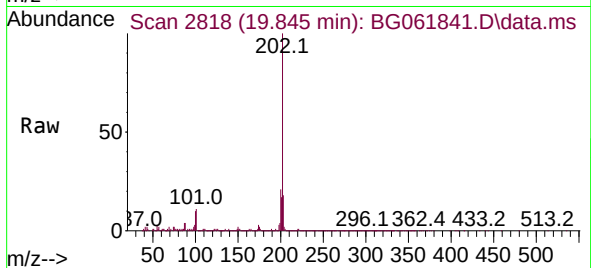
101 11.1 10.1 15.1

100 9.8 9.9 14.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 07/03/2024
Supervised By :mohammad ahmed 07/04/2024



#85

Benzo(a)anthracene

Concen: 30.454 ng/ul

RT: 21.678 min Scan# 3130

Delta R.T. 0.005 min

Lab File: BG061841.D

Acq: 2 Jul 2024 11:02

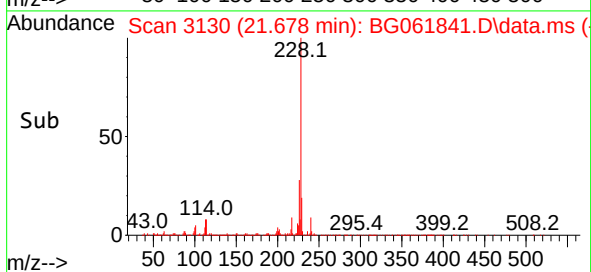
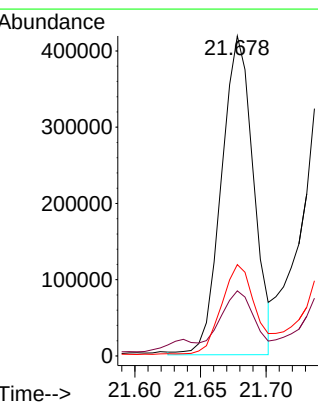
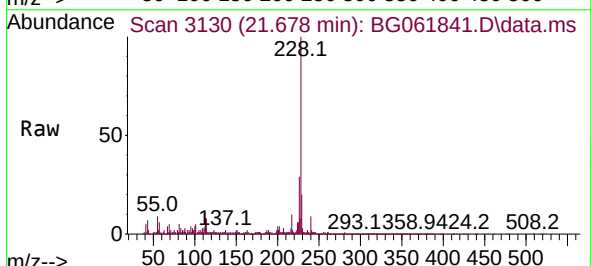
Tgt Ion:228 Resp: 711824

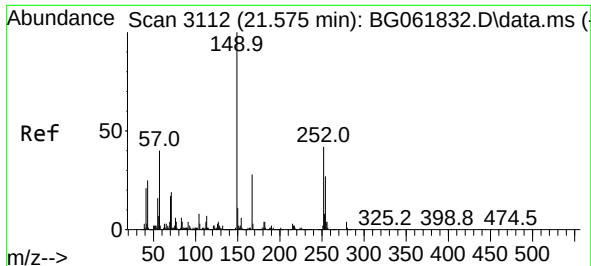
Ion Ratio Lower Upper

228 100

229 20.3 15.8 23.8

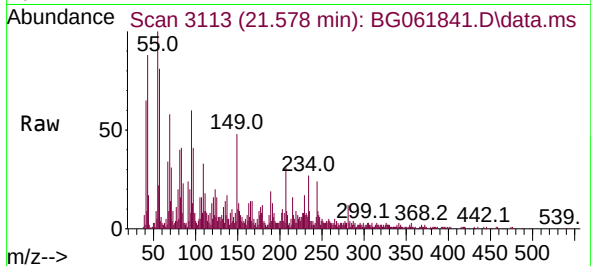
226 28.6 21.4 32.2





#86
Bis(2-ethylhexyl)phthalate
Concen: 1.790 ng/ul
RT: 21.578 min Scan# 3113
Delta R.T. -0.012 min
Lab File: BG061841.D
Acq: 2 Jul 2024 11:02

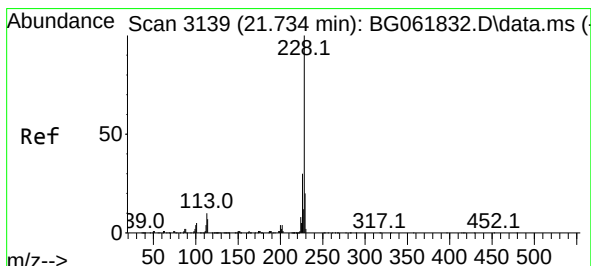
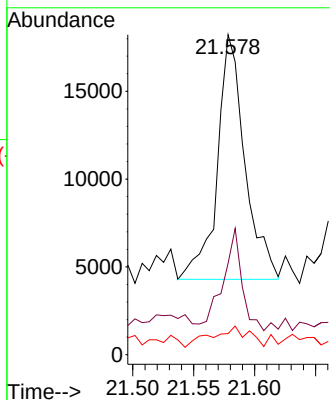
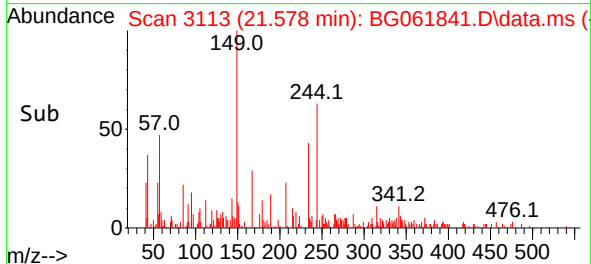
Instrument :
BNA_G
ClientSampleId :
A4CQ8



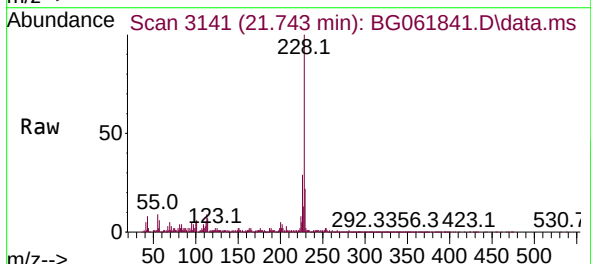
Tgt Ion:149 Resp: 2198
Ion Ratio Lower Upper
149 100
167 28.6 20.5 30.7
279 6.6 2.9 4.3

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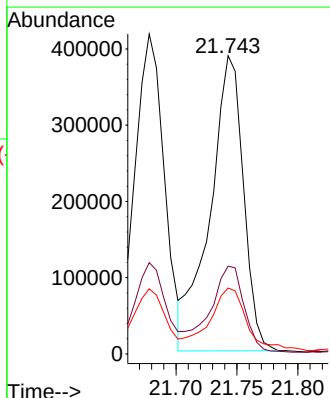
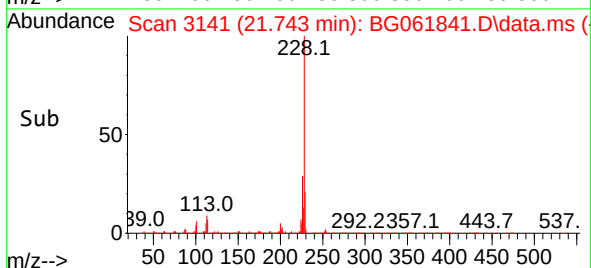
Reviewed By :Jagrut Upadhyay 07/03/2024
Supervised By :mohammad ahmed 07/04/2024

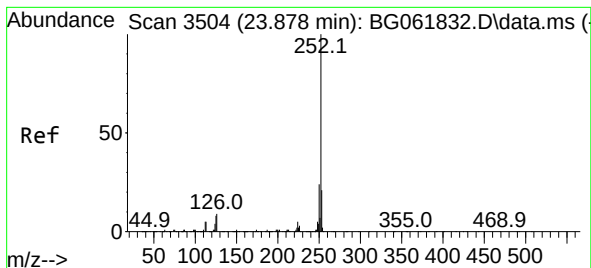


#87
Chrysene
Concen: 33.441 ng/ul
RT: 21.743 min Scan# 3141
Delta R.T. 0.005 min
Lab File: BG061841.D
Acq: 2 Jul 2024 11:02



Tgt Ion:228 Resp: 739616
Ion Ratio Lower Upper
228 100
226 29.5 24.2 36.2
229 22.1 16.5 24.7





#90

Benzo(b)fluoranthene

Concen: 38.098 ng/ul

RT: 23.899 min Scan# 3508

Delta R.T. 0.011 min

Lab File: BG061841.D

Acq: 2 Jul 2024 11:02

Instrument :

BNA_G

ClientSampleId :

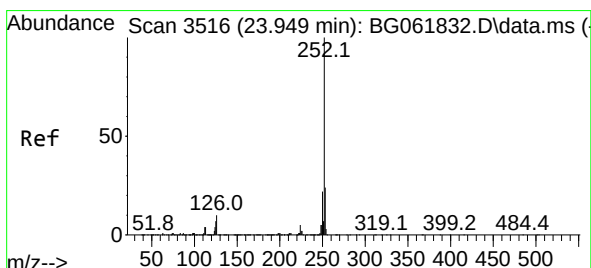
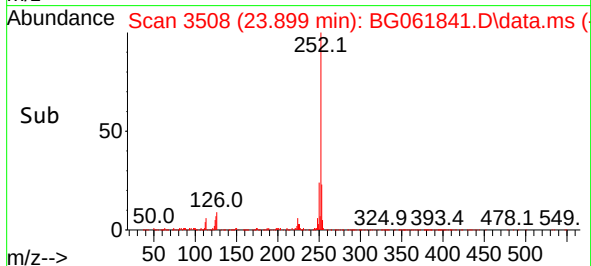
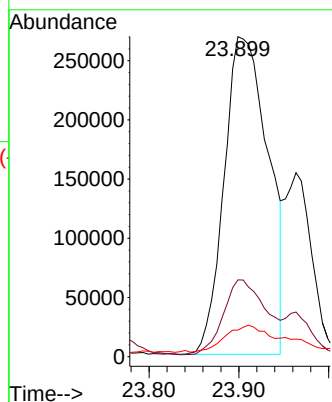
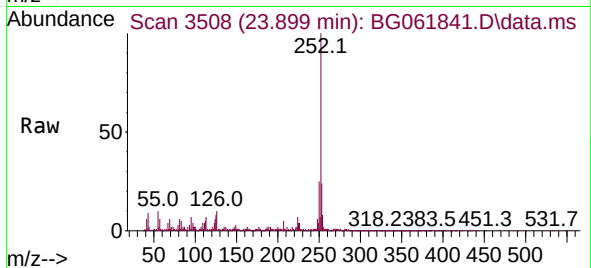
A4CQ8

Tgt Ion:252 Resp: 913764
 Ion Ratio Lower Upper
 252 100
 253 24.0 18.6 27.8
 125 8.3 7.0 10.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 07/03/2024
 Supervised By :mohammad ahmed 07/04/2024



#91

Benzo(k)fluoranthene

Concen: 12.916 ng/ul m

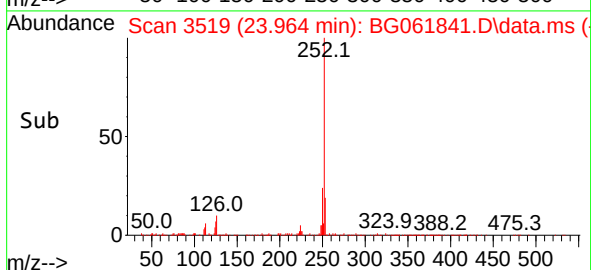
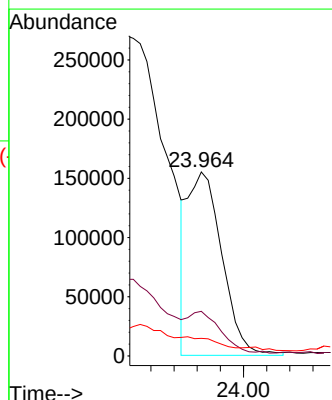
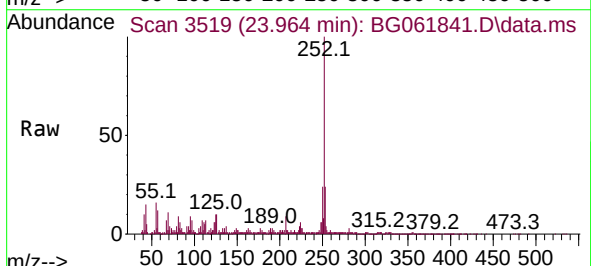
RT: 23.964 min Scan# 3519

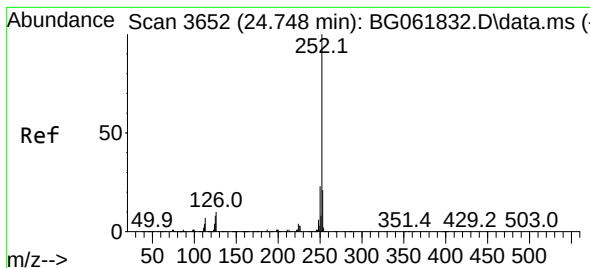
Delta R.T. 0.005 min

Lab File: BG061841.D

Acq: 2 Jul 2024 11:02

Tgt Ion:252 Resp: 318586
 Ion Ratio Lower Upper
 252 100
 253 24.2 17.8 26.6
 125 9.6 6.2 9.2#





#93

Benzo(a)pyrene

Concen: 16.994 ng/ul

RT: 24.774 min Scan# 30

Delta R.T. 0.011 min

Lab File: BG061841.D

Acq: 2 Jul 2024 11:02

Instrument :

BNA_G

ClientSampleId :

A4CQ8

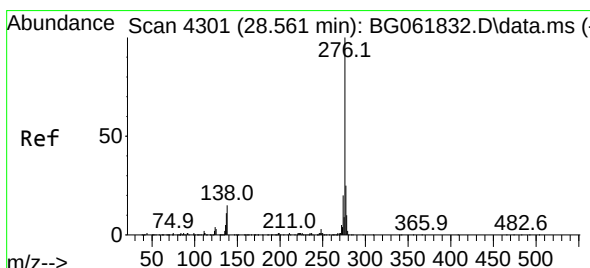
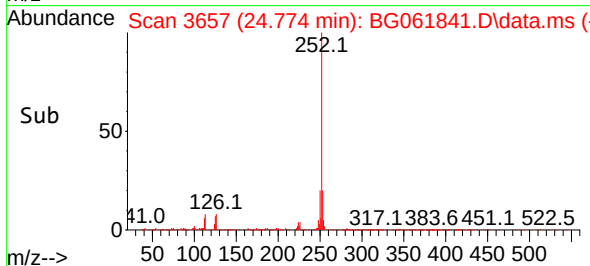
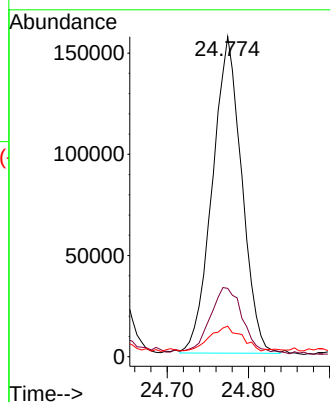
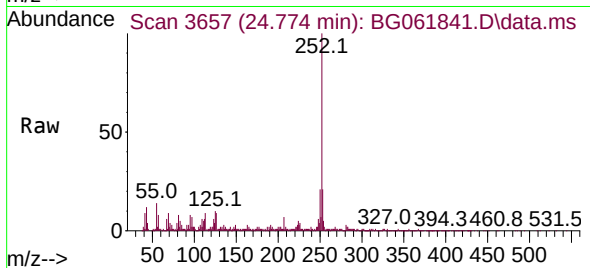
Tgt Ion:252 Resp: 392409

Ion	Ratio	Lower	Upper
252	100		
253	21.3	16.8	25.2
125	9.6	6.5	9.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/03/2024
Supervised By :mohammad ahmed 07/04/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 12.668 ng/ul m

RT: 28.605 min Scan# 4309

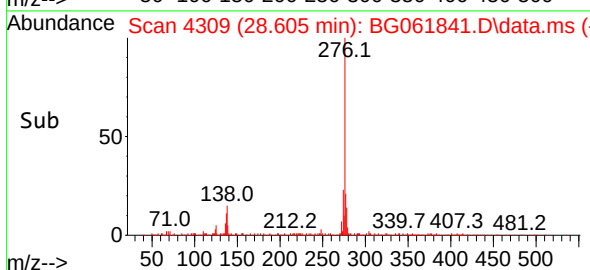
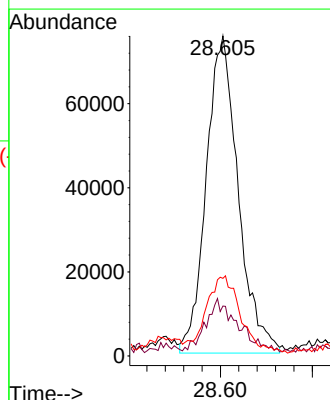
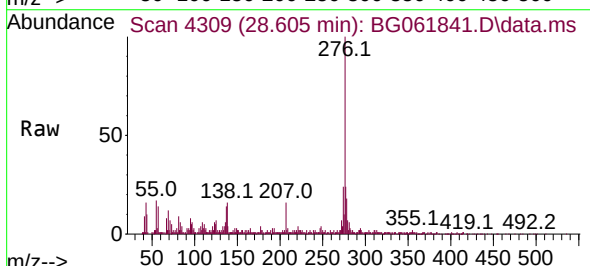
Delta R.T. 0.041 min

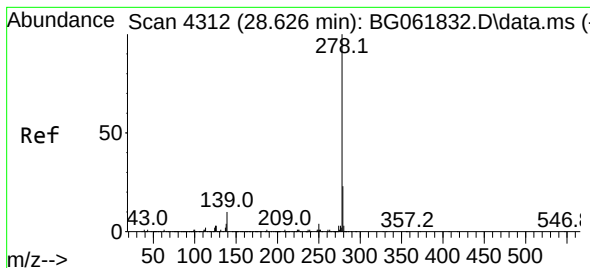
Lab File: BG061841.D

Acq: 2 Jul 2024 11:02

Tgt Ion:276 Resp: 364505

Ion	Ratio	Lower	Upper
276	100		
138	15.6	12.2	18.4
277	24.3	19.7	29.5





#95

Dibenzo(a,h)anthracene

Concen: 6.188 ng/ul m

RT: 28.640 min Scan# 4

Delta R.T. 0.005 min

Lab File: BG061841.D

Acq: 2 Jul 2024 11:02

Instrument :

BNA_G

ClientSampleId :

A4CQ8

Tgt Ion:278 Resp: 14806

Ion Ratio Lower Upper

278 100

139 16.0 9.1 13.7

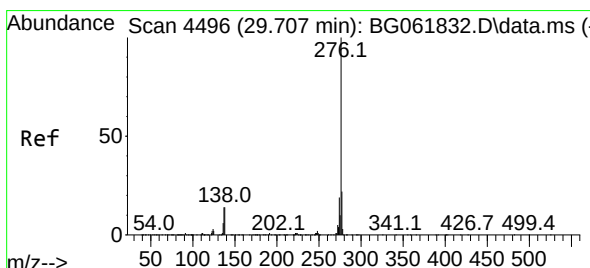
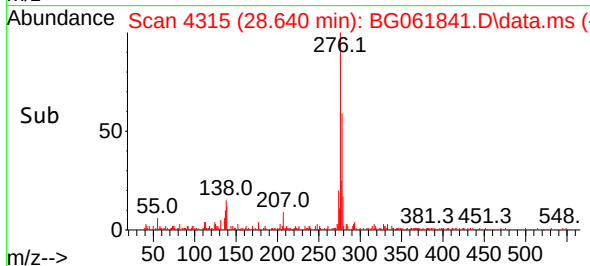
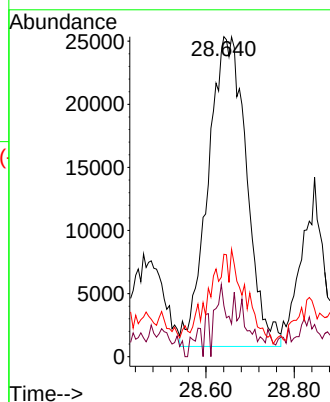
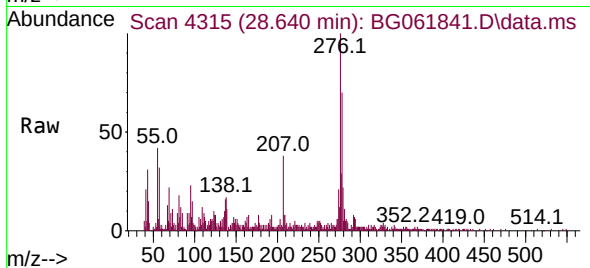
279 32.0 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/03/2024

Supervised By :mohammad ahmed 07/04/2024



#96

Benzo(g,h,i)perylene

Concen: 2.186 ng/ul m

RT: 29.745 min Scan# 4503

Delta R.T. 0.035 min

Lab File: BG061841.D

Acq: 2 Jul 2024 11:02

Tgt Ion:276 Resp: 50705

Ion Ratio Lower Upper

276 100

138 19.9 12.2 18.4#

277 28.5 18.6 27.8#

