

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
 Data File : BG062074.D
 Acq On : 15 Jul 2024 18:42
 Operator : MA/JU
 Sample : P3100-20
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4D33

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/18/2024
 Supervised By :mohammad ahmed 07/20/2024

Quant Time: Jul 17 07:17:28 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 11 12:11:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.043	152	42371	20.000	ng/ul	0.00
20) Naphthalene-d8	10.858	136	192225	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.671	164	132277	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.421	188	288550	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.680	240	261481	20.000	ng/ul	# 0.00
88) Perylene-d12	24.900	264	301140	20.000	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.443	96	5665	5.024	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/ul	
7) Phenol-d5	7.215	99	156652	33.784	ng/ul	0.02
9) Bis-(2-Chloroethyl)eth...	7.368	67	89102	30.344	ng/ul	0.00
11) 2-Chlorophenol-d4	7.579	132	111477	35.048	ng/ul	0.00
15) 4-Methylphenol-d8	8.760	113	118551	32.472	ng/ul	0.01
21) Nitrobenzene-d5	9.213	128	59772	40.885	ng/ul	0.00
24) 2-Nitrophenol-d4	9.935	143	73935	44.286	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.476	165	136997	42.543	ng/ul	0.00
31) 4-Chloroaniline-d4	10.993	131	4209m	0.900	ng/ul	0.00
46) Dimethylphthalate-d6	14.078	166	415492	38.206	ng/ul	0.00
49) Acenaphthylene-d8	14.371	160	468754	41.222	ng/ul	0.00
54) 4-Nitrophenol-d4	14.894	143	58276	33.556	ng/ul	0.02
60) Fluorene-d10	15.670	176	364401	39.804	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.787	200	53559	35.343	ng/ul	0.00
73) Anthracene-d10	17.521	188	558200	41.434	ng/ul	0.00
81) Pyrene-d10	19.806	212	529895	34.453	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.689	264	394710	26.428	ng/ul	0.03
Target Compounds						
					Qvalue	
30) Naphthalene	10.905	128	17169	1.626	ng/ul#	91
36) 2-Methylnaphthalene	12.509	142	11538m	1.508	ng/ul	
37) 1-Methylnaphthalene	12.732	142	10749	1.352	ng/ul#	80
50) Acenaphthylene	14.401	152	22079m	1.769	ng/ul	
52) Acenaphthene	14.736	153	9179	1.065	ng/ul#	93
56) Dibenzofuran	15.070	168	13039	1.071	ng/ul	90
72) Phenanthrene	17.462	178	302567	19.887	ng/ul	98
74) Anthracene	17.556	178	46064	2.930	ng/ul	99
77) Carbazole	17.826	167	30982	2.341	ng/ul	95
80) Fluoranthene	19.471	202	792289	43.529	ng/ul#	93
82) Pyrene	19.835	202	536420	28.531	ng/ul#	92
85) Benzo(a)anthracene	21.663	228	329275	17.392	ng/ul	93
86) Bis(2-ethylhexyl)phtha...	21.557	149	37596	3.320	ng/ul	100
87) Chrysene	21.727	228	429860m	24.254	ng/ul	
90) Benzo(b)fluoranthene	23.884	252	609412	32.120	ng/ul#	97
91) Benzo(k)fluoranthene	23.942	252	174507m	9.224	ng/ul	
93) Benzo(a)pyrene	24.747	252	174347m	9.704	ng/ul	
94) Indeno(1,2,3-cd)pyrene	28.578	276	163975m	7.142	ng/ul	
95) Dibenzo(a,h)anthracene	28.613	278	60247m	3.177	ng/ul	

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

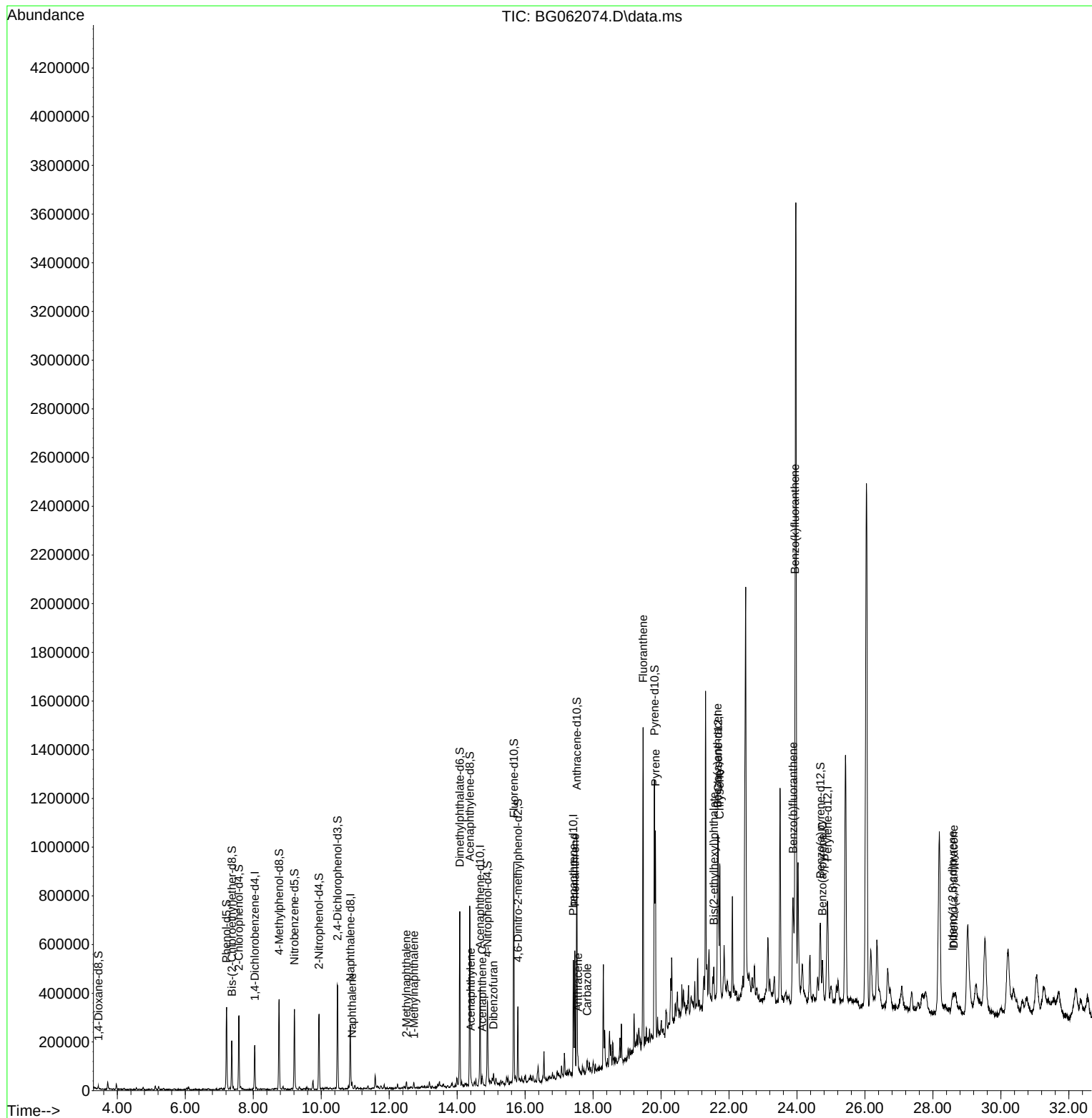
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062074.D
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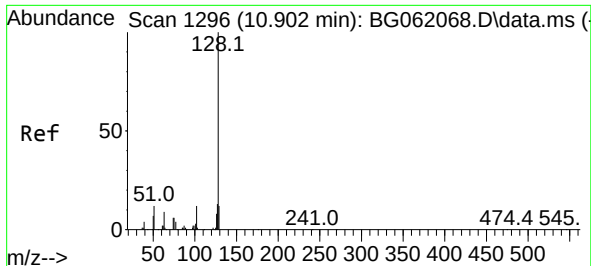
Instrument :
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Quant Title : SVOA CALIBRATION
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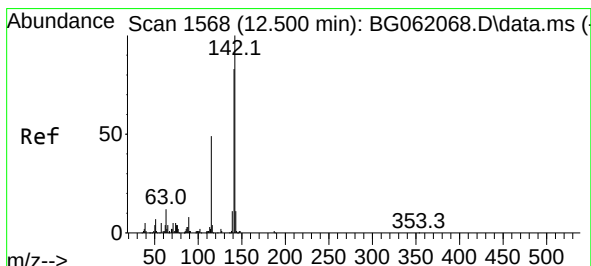
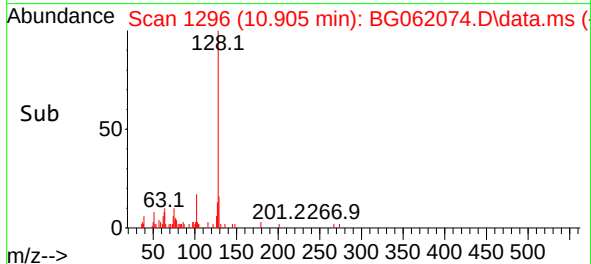
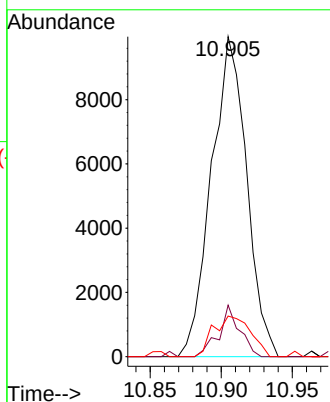
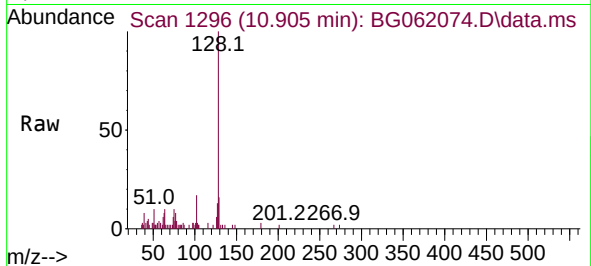
#30
Naphthalene
Concen: 1.626 ng/ul
RT: 10.905 min Scan# 1296
Delta R.T. 0.003 min
Lab File: BG062074.D
Acq: 15 Jul 2024 18:42

Instrument :
BNA_G
ClientSampleId :
A4D33

Tgt Ion:128 Resp: 17169
Ion Ratio Lower Upper
128 100
129 16.1 7.7 11.5
127 12.7 9.6 14.4

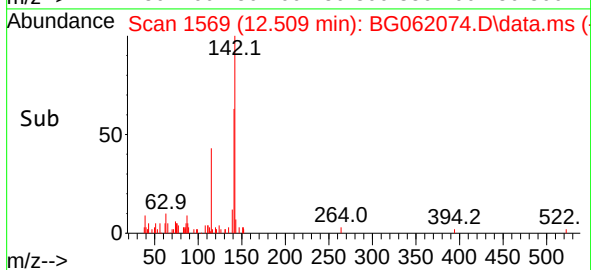
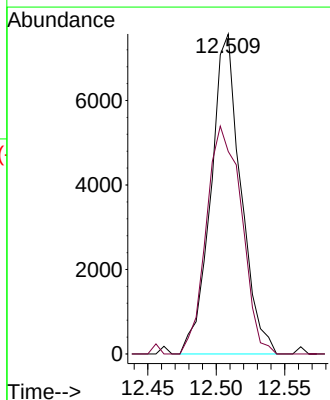
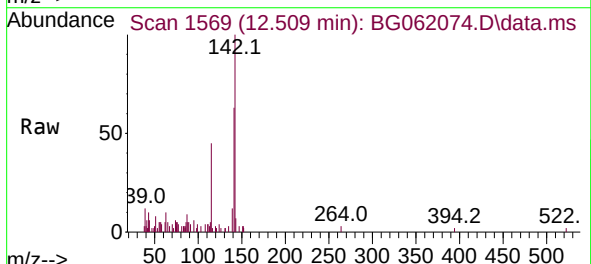
Manual Integrations
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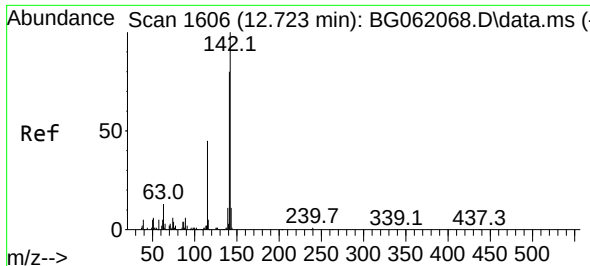
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/20/2024



#36
2-Methylnaphthalene
Concen: 1.508 ng/ul m
RT: 12.509 min Scan# 1569
Delta R.T. 0.003 min
Lab File: BG062074.D
Acq: 15 Jul 2024 18:42

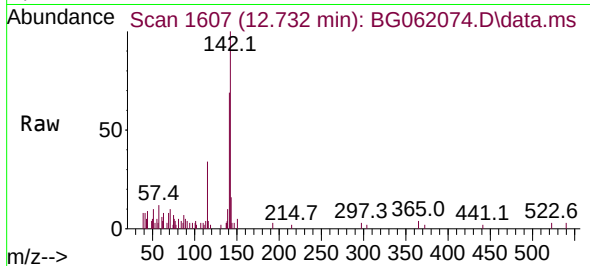
Tgt Ion:142 Resp: 11538
Ion Ratio Lower Upper
142 100
141 63.2 69.4 104.2#





#37
1-Methylnaphthalene
Concen: 1.352 ng/ul
RT: 12.732 min Scan# 1606
Delta R.T. 0.009 min
Lab File: BG062074.D
Acq: 15 Jul 2024 18:42

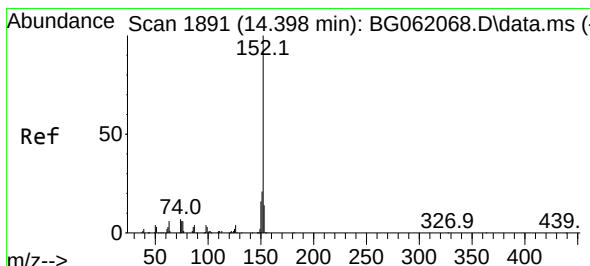
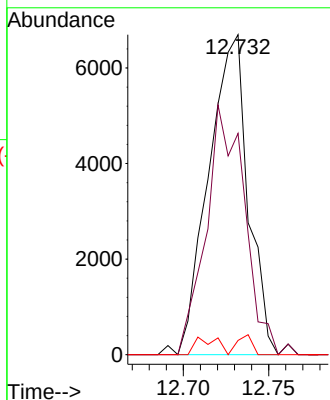
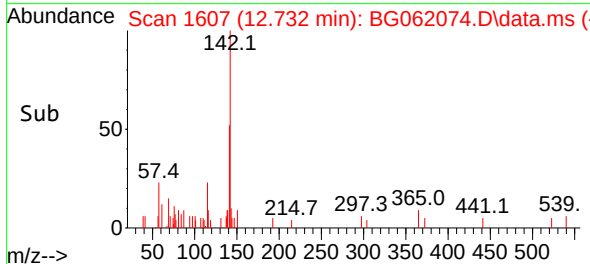
Instrument :
BNA_G
ClientSampleId :
A4D33



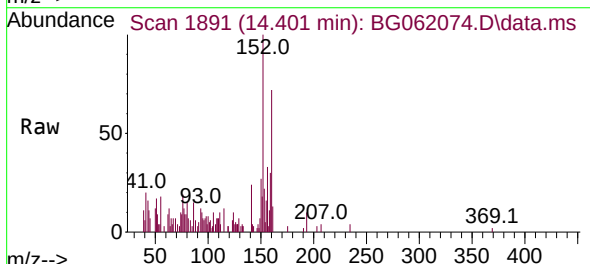
Tgt Ion:142 Resp: 10749
Ion Ratio Lower Upper
142 100
141 69.1 71.4 107.2
116 4.4 3.8 5.8

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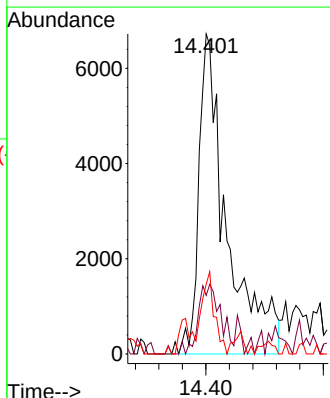
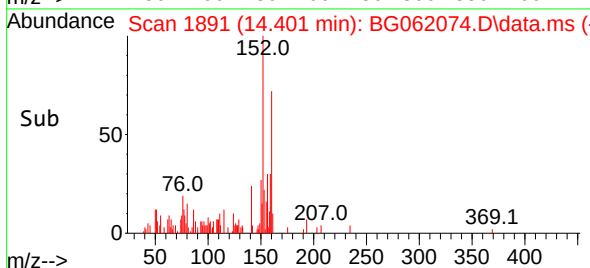
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/20/2024

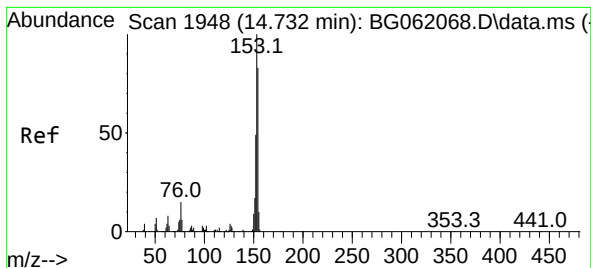


#50
Acenaphthylene
Concen: 1.769 ng/ul m
RT: 14.401 min Scan# 1891
Delta R.T. 0.003 min
Lab File: BG062074.D
Acq: 15 Jul 2024 18:42



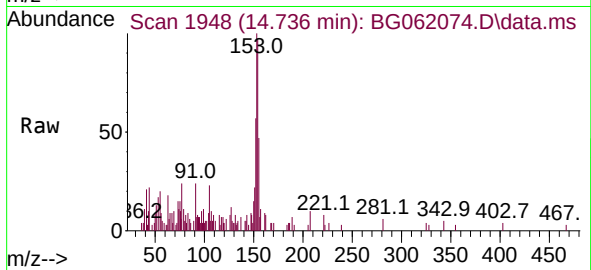
Tgt Ion:152 Resp: 22079
Ion Ratio Lower Upper
152 100
151 18.3 16.5 24.7
153 21.8 11.4 17.0#





#52
Acenaphthene
Concen: 1.065 ng/ul
RT: 14.736 min Scan# 1948
Delta R.T. -0.003 min
Lab File: BG062074.D
Acq: 15 Jul 2024 18:42

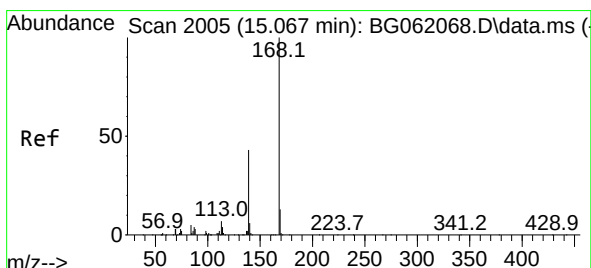
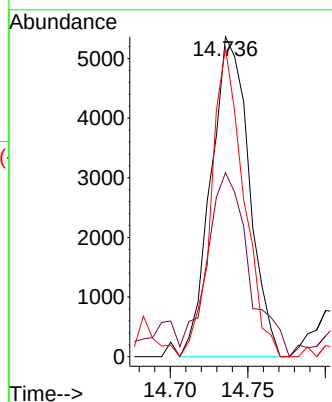
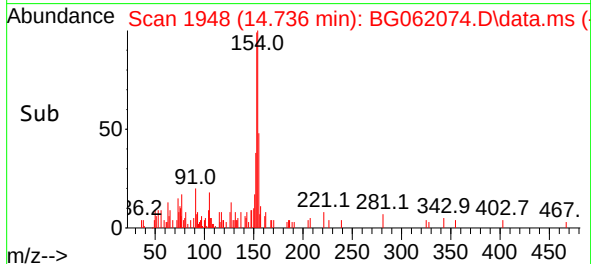
Instrument :
BNA_G
ClientSampleId :
A4D33



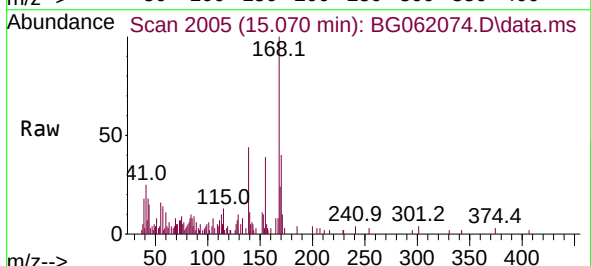
Tgt Ion:153 Resp: 9179
Ion Ratio Lower Upper
153 100
152 57.5 37.2 55.8
154 96.5 75.0 112.6

Manual Integrations
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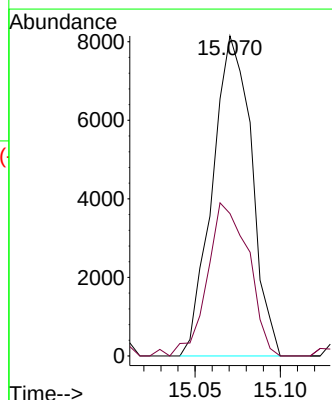
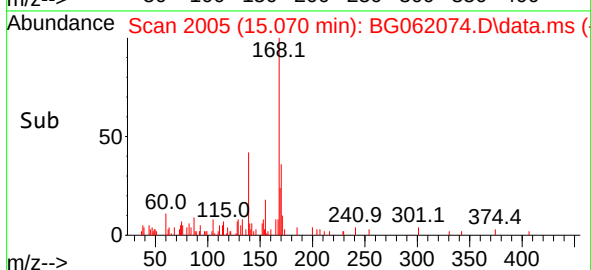
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/20/2024

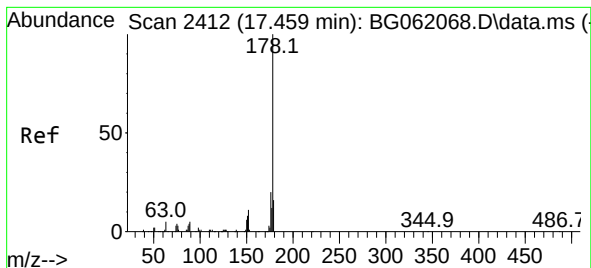


#56
Dibenzofuran
Concen: 1.071 ng/ul
RT: 15.070 min Scan# 2005
Delta R.T. 0.003 min
Lab File: BG062074.D
Acq: 15 Jul 2024 18:42



Tgt Ion:168 Resp: 13039
Ion Ratio Lower Upper
168 100
139 44.5 31.0 46.4





#72

Phenanthrene

Concen: 19.887 ng/ul

RT: 17.462 min Scan# 2412

Delta R.T. 0.003 min

Lab File: BG062074.D

Acq: 15 Jul 2024 18:42

Instrument :

BNA_G

ClientSampleId :

A4D33

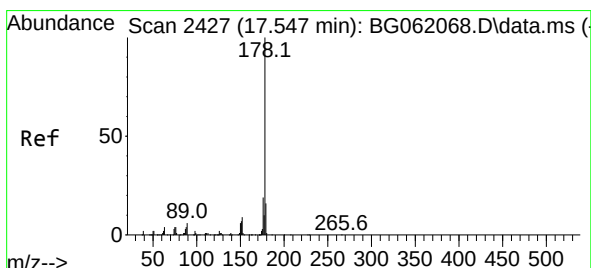
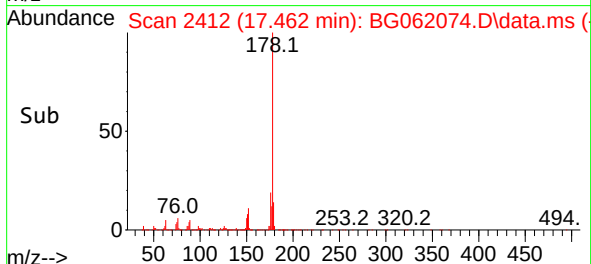
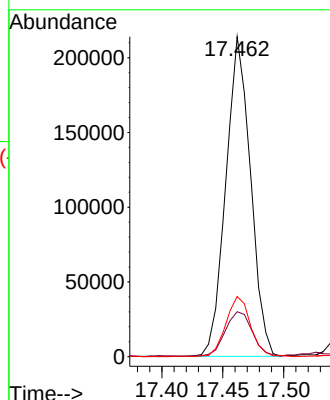
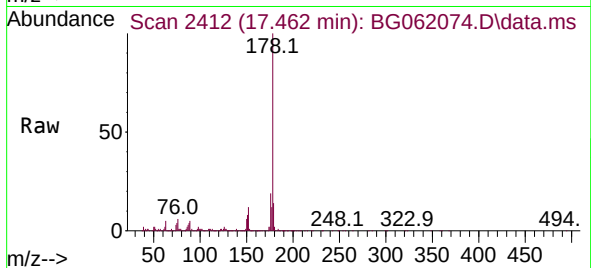
Tgt Ion:178	Resp:	30256
Ion Ratio	Lower	Upper
178	100	
179	14.1	11.9 17.9
176	18.8	15.5 23.3

Manual Integrations

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Supervised By :mohammad ahmed 07/20/2024



#74

Anthracene

Concen: 2.930 ng/ul

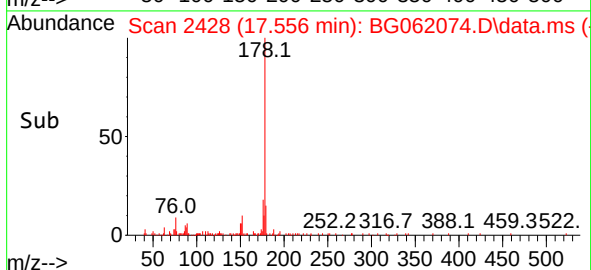
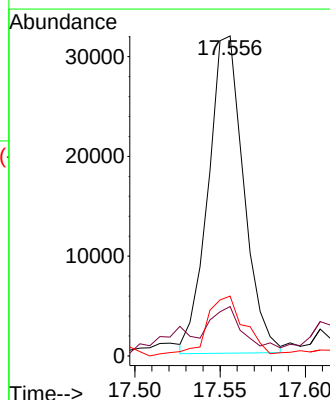
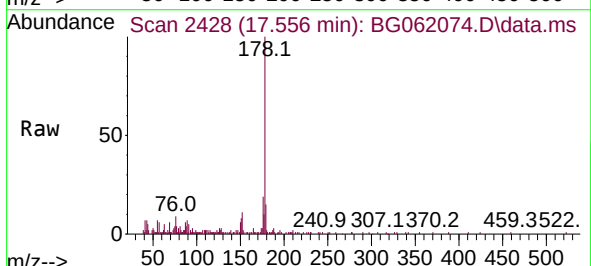
RT: 17.556 min Scan# 2428

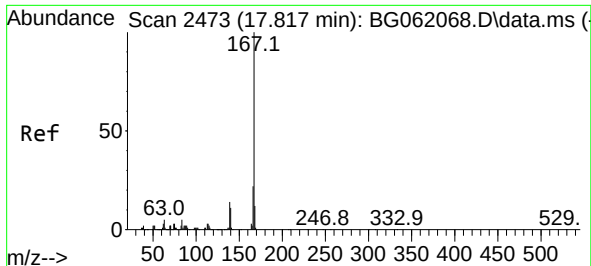
Delta R.T. 0.003 min

Lab File: BG062074.D

Acq: 15 Jul 2024 18:42

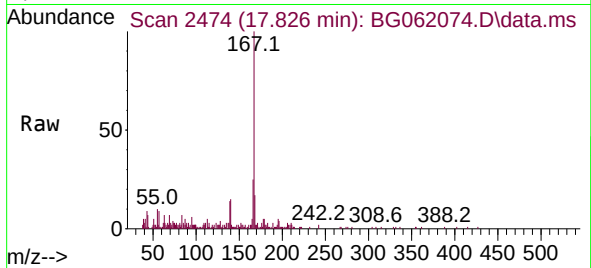
Tgt Ion:178	Resp:	46064
Ion Ratio	Lower	Upper
178	100	
179	15.5	11.9 17.9
176	18.7	14.7 22.1





#77
 Carbazole
 Concen: 2.341 ng/ul
 RT: 17.826 min Scan# 2474
 Delta R.T. 0.009 min
 Lab File: BG062074.D
 Acq: 15 Jul 2024 18:42

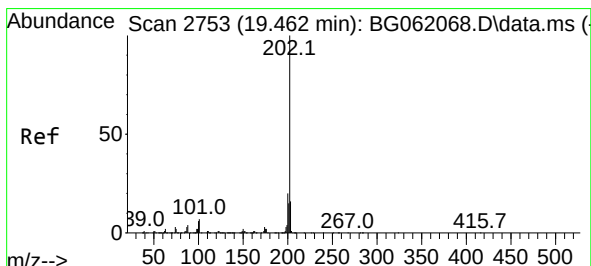
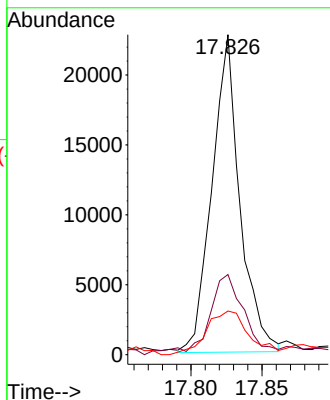
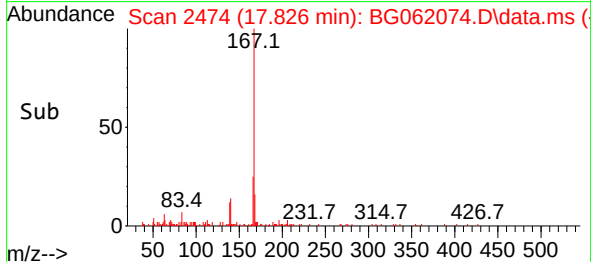
Instrument :
 BNA_G
 ClientSampleId :
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Tgt Ion:167 Resp: 3098
 Ion Ratio Lower Upper
 167 100
 166 25.0 18.2 27.2
 139 13.6 9.6 14.4

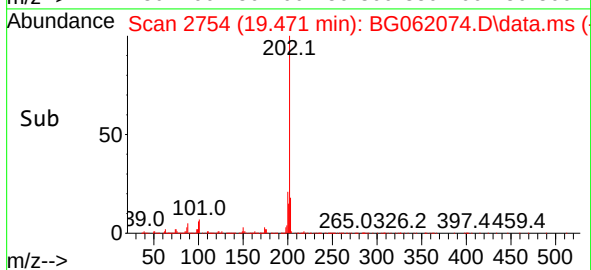
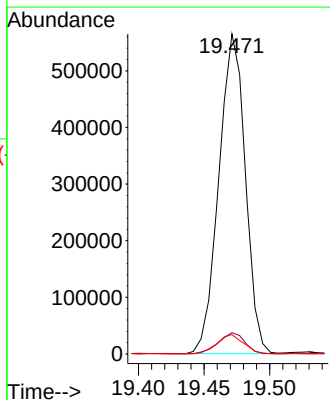
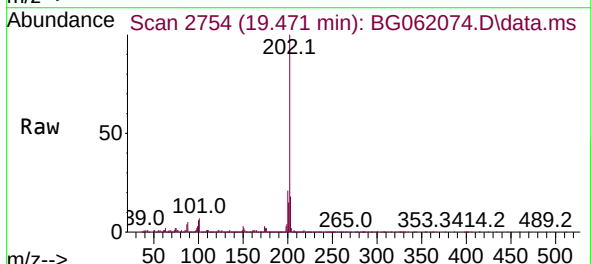
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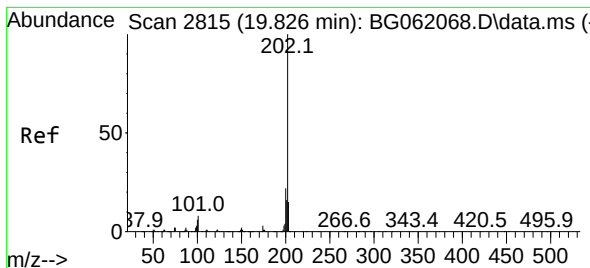
Reviewed By :Yogesh Patel 07/18/2024
 Supervised By :mohammad ahmed 07/20/2024



#80
 Fluoranthene
 Concen: 43.529 ng/ul
 RT: 19.471 min Scan# 2754
 Delta R.T. 0.009 min
 Lab File: BG062074.D
 Acq: 15 Jul 2024 18:42

Tgt Ion:202 Resp: 792289
 Ion Ratio Lower Upper
 202 100
 101 6.6 7.4 11.2#
 100 6.0 6.6 10.0#





#82

Pyrene

Concen: 28.531 ng/ul

RT: 19.835 min Scan# 2

Delta R.T. 0.009 min

Lab File: BG062074.D

Acq: 15 Jul 2024 18:42

Instrument :

BNA_G

ClientSampleId :

A4D33

Tgt Ion:202 Resp: 536420

Ion Ratio Lower Upper

202 100

101 7.4 8.8 13.2

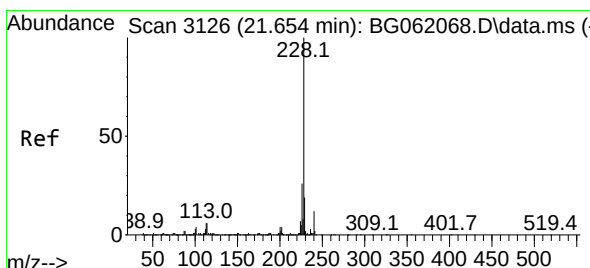
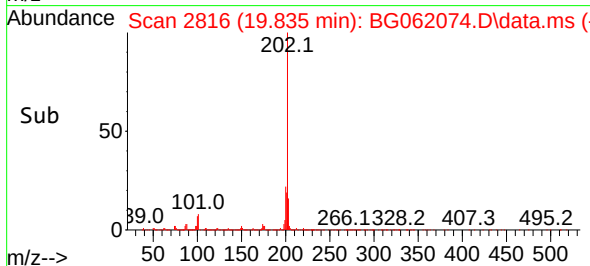
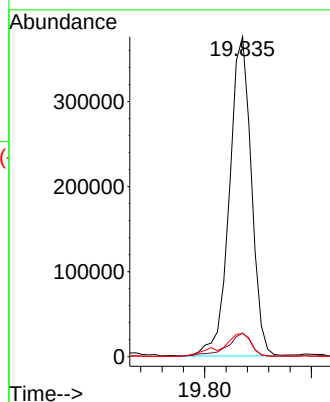
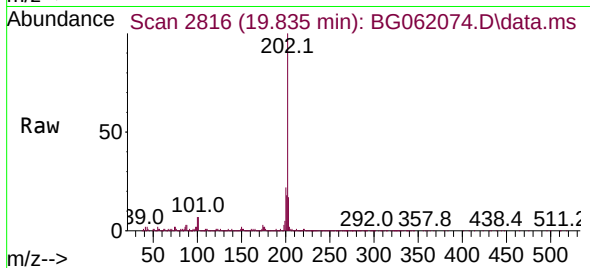
100 7.2 7.6 11.4

Manual Integrations

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Supervised By :mohammad ahmed 07/20/2024



#85

Benzo(a)anthracene

Concen: 17.392 ng/ul

RT: 21.663 min Scan# 3127

Delta R.T. 0.009 min

Lab File: BG062074.D

Acq: 15 Jul 2024 18:42

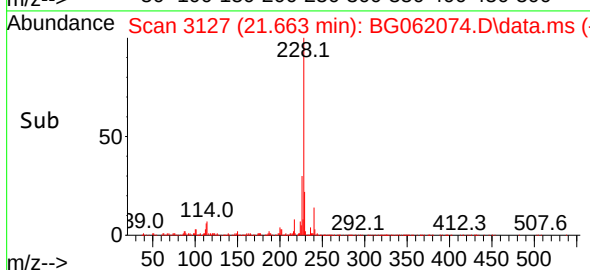
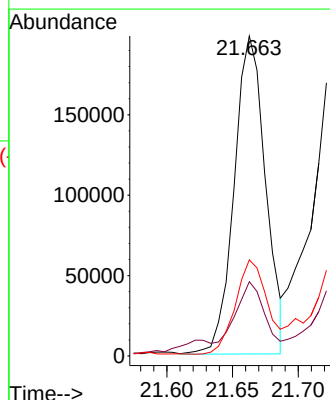
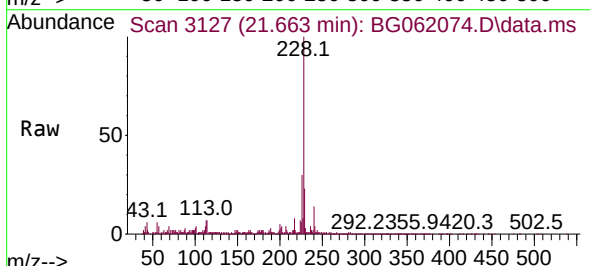
Tgt Ion:228 Resp: 329275

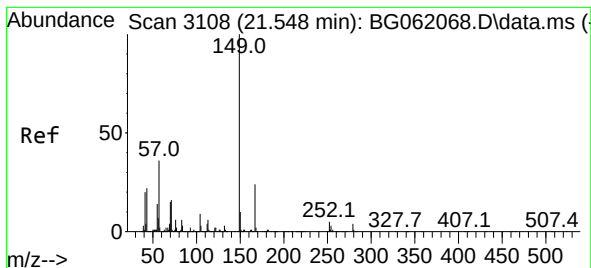
Ion Ratio Lower Upper

228 100

229 23.2 15.7 23.5

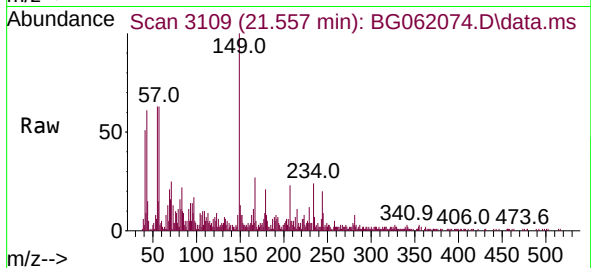
226 30.1 21.7 32.5





#86
Bis(2-ethylhexyl)phthalate
Concen: 3.320 ng/ul
RT: 21.557 min Scan# 3109
Delta R.T. 0.003 min
Lab File: BG062074.D
Acq: 15 Jul 2024 18:42

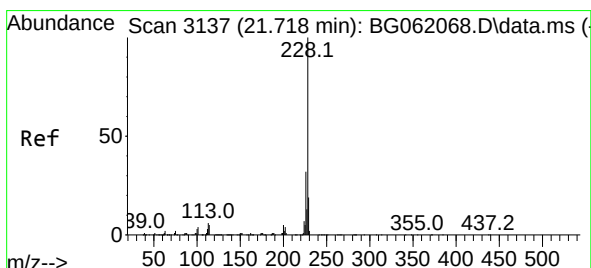
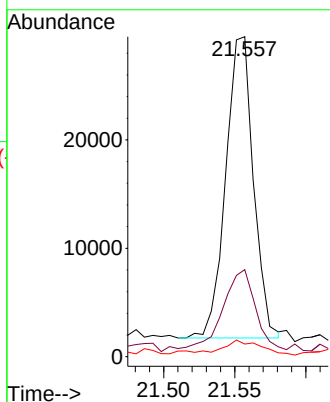
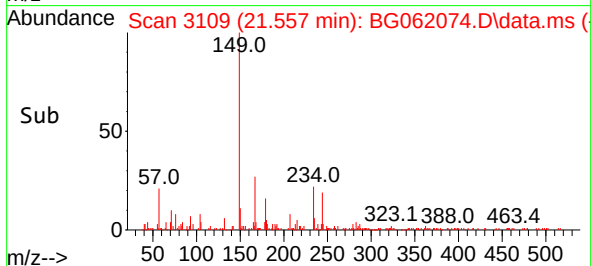
Instrument :
BNA_G
ClientSampleId :
A4D33



Tgt Ion:149 Resp: 37590
Ion Ratio Lower Upper
149 100
167 27.2 21.7 32.5
279 4.0 2.8 4.2

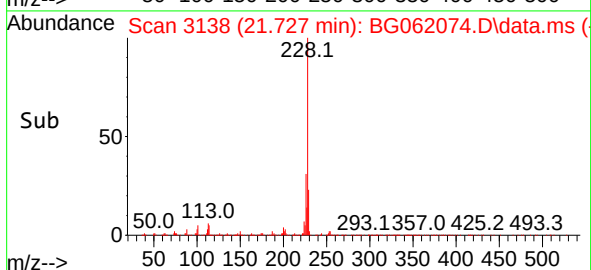
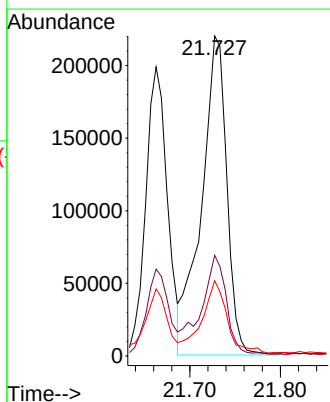
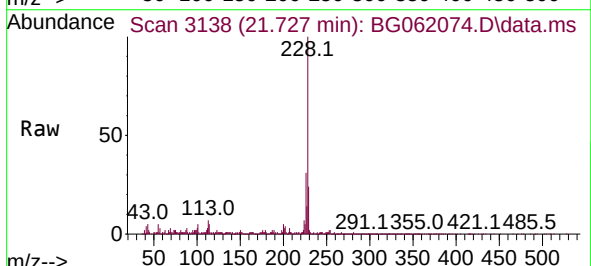
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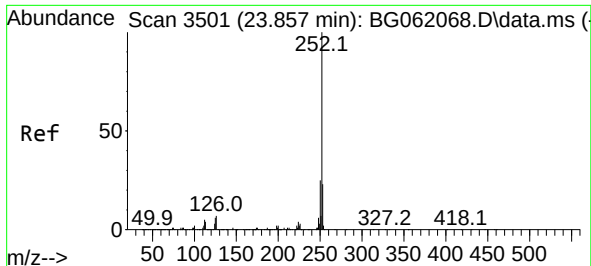
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/20/2024



#87
Chrysene
Concen: 24.254 ng/ul m
RT: 21.727 min Scan# 3138
Delta R.T. 0.003 min
Lab File: BG062074.D
Acq: 15 Jul 2024 18:42

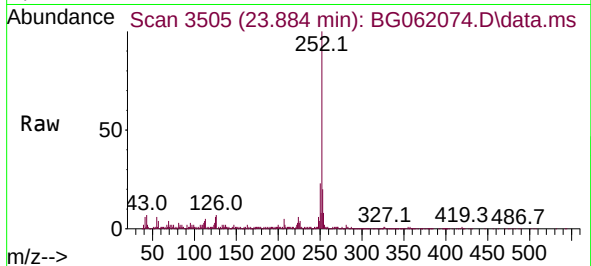
Tgt Ion:228 Resp: 429860
Ion Ratio Lower Upper
228 100
226 31.5 23.3 34.9
229 23.5 15.5 23.3#





#90
Benzo(b)fluoranthene
Concen: 32.120 ng/ul
RT: 23.884 min Scan# 3505
Delta R.T. 0.026 min
Lab File: BG062074.D
Acq: 15 Jul 2024 18:42

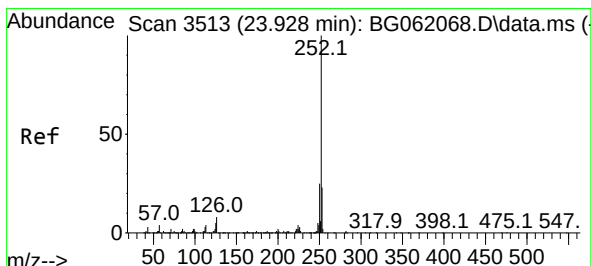
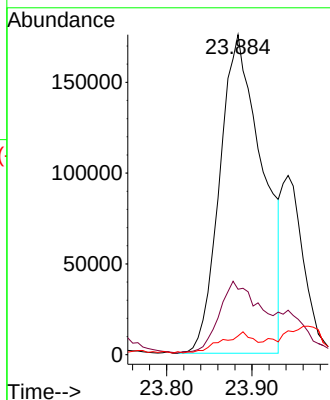
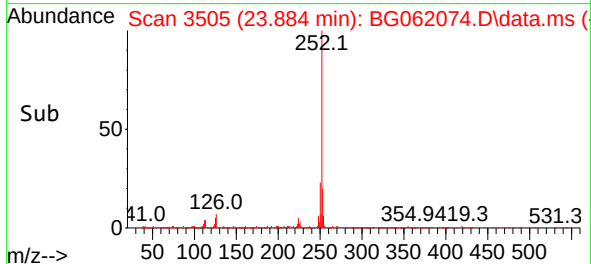
Instrument :
BNA_G
ClientSampleId :
A4D33



Tgt Ion:252 Resp: 60941
Ion Ratio Lower Upper
252 100
253 20.5 17.2 25.8
125 5.9 6.1 9.1

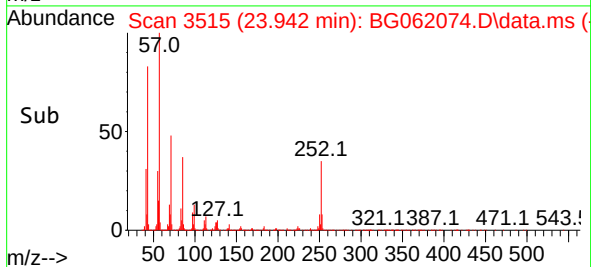
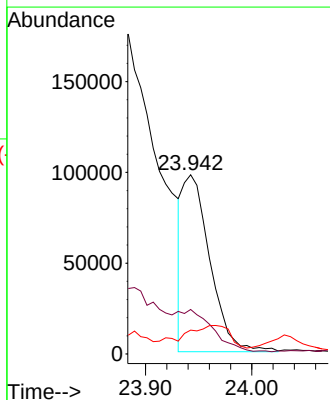
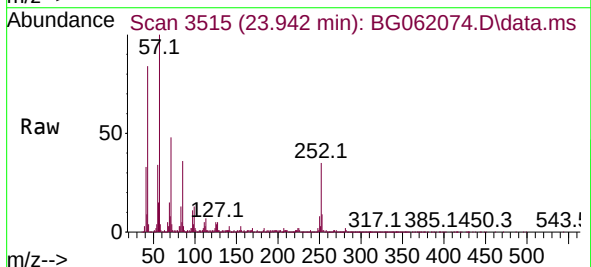
Manual Integrations
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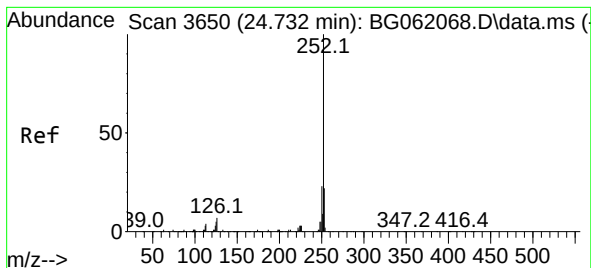
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/20/2024



#91
Benzo(k)fluoranthene
Concen: 9.224 ng/ul m
RT: 23.942 min Scan# 3515
Delta R.T. 0.020 min
Lab File: BG062074.D
Acq: 15 Jul 2024 18:42

Tgt Ion:252 Resp: 174507
Ion Ratio Lower Upper
252 100
253 24.8 19.3 28.9
125 13.4 6.3 9.5





#93

Benzo(a)pyrene

Concen: 9.704 ng/ul m

RT: 24.747 min Scan# 3

Delta R.T. 0.020 min

Lab File: BG062074.D

Acq: 15 Jul 2024 18:42

Instrument :

BNA_G

ClientSampleId :

A4D33

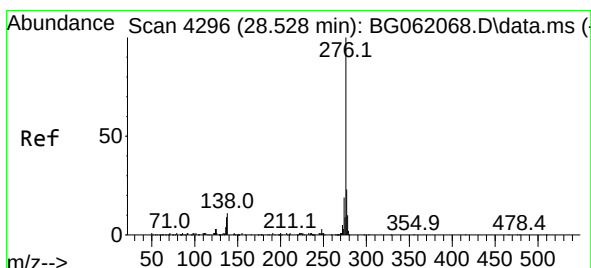
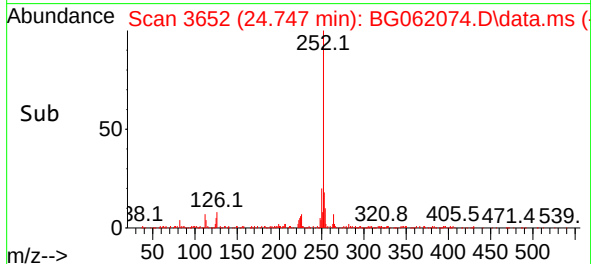
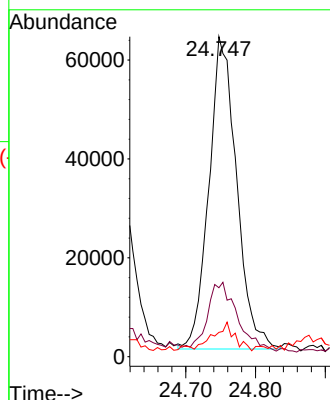
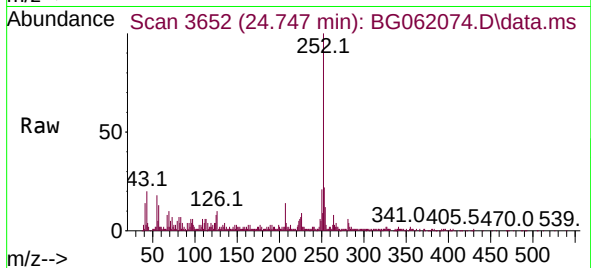
Tgt Ion:	252	Resp:	17434
Ion Ratio	Lower	Upper	
252	100		
253	21.5	16.5	24.7
125	7.6	7.4	11.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/18/2024

Supervised By :mohammad ahmed 07/20/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 7.142 ng/ul m

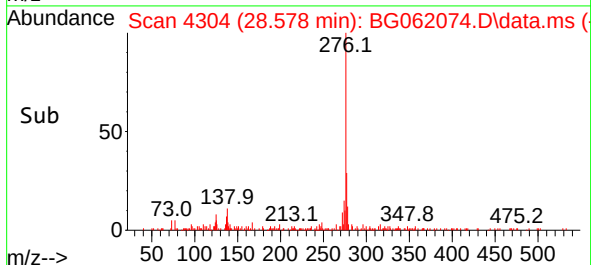
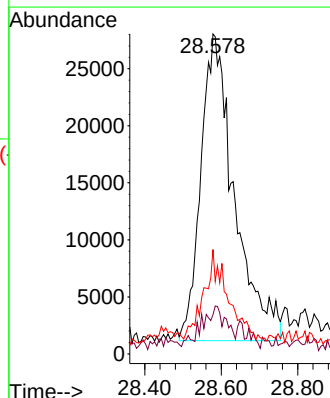
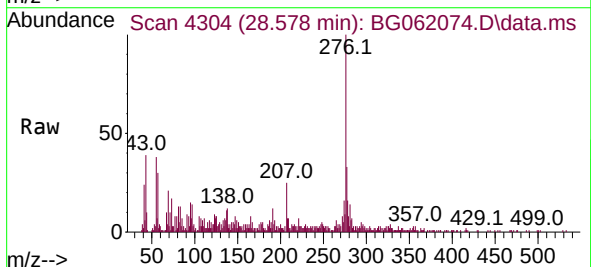
RT: 28.578 min Scan# 4304

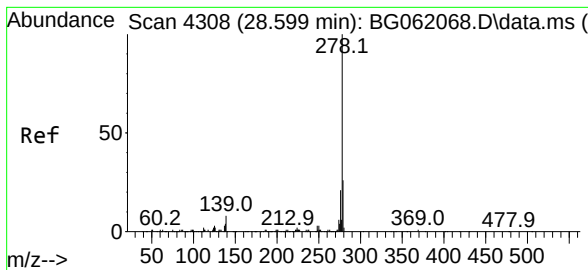
Delta R.T. 0.044 min

Lab File: BG062074.D

Acq: 15 Jul 2024 18:42

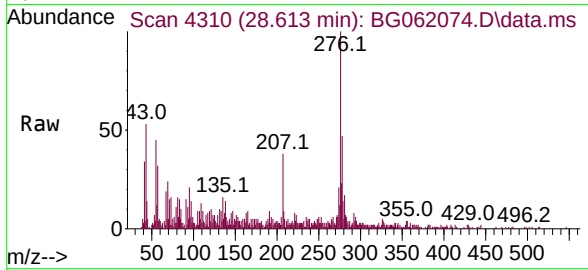
Tgt Ion:	276	Resp:	163975
Ion Ratio	Lower	Upper	
276	100		
138	12.3	11.9	17.9
277	32.6	19.3	28.9#





#95
 Dibenzo(a,h)anthracene
 Concen: 3.177 ng/ul m
 RT: 28.613 min Scan# 41
 Delta R.T. 0.020 min
 Lab File: BG062074.D
 Acq: 15 Jul 2024 18:42

Instrument :
 BNA_G
 ClientSampleId :
 A4D33



Tgt Ion:	278	Resp:	6024
Ion	Ratio	Lower	Upper
278	100		
139	13.4	7.6	11.4
279	30.5	18.8	28.2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/18/2024
 Supervised By :mohammad ahmed 07/20/2024

