

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
 Data File : BG062078.D
 Acq On : 15 Jul 2024 21:26
 Operator : MA/JU
 Sample : P3100-22
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4D50

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/16/2024
 Supervised By :mohammad ahmed 07/20/2024

Quant Time: Jul 15 23:57:56 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	8.047	152	46888	20.000	ng/ul	0.00
20) Naphthalene-d8	10.856	136	226838	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.675	164	149878	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.425	188	341090	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.684	240	313298	20.000	ng/ul	# 0.00
88) Perylene-d12	24.910	264	357678	20.000	ng/ul	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.441	96	3901	3.126	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/ul	
7) Phenol-d5	7.219	99	122028	23.781	ng/ul	0.02
9) Bis-(2-Chloroethyl)eth...	7.366	67	69494	21.386	ng/ul	0.00
11) 2-Chlorophenol-d4	7.577	132	87384	24.827	ng/ul	0.00
15) 4-Methylphenol-d8	8.764	113	85828	21.244	ng/ul	0.02
21) Nitrobenzene-d5	9.217	128	46747	27.097	ng/ul	0.00
24) 2-Nitrophenol-d4	9.939	143	55721	28.283	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.480	165	101738	26.773	ng/ul	0.01
31) 4-Chloroaniline-d4	11.003	131	4913m	0.891	ng/ul	0.02
46) Dimethylphthalate-d6	14.076	166	327946	26.615	ng/ul	0.00
49) Acenaphthylene-d8	14.375	160	368893	28.631	ng/ul	0.00
54) 4-Nitrophenol-d4	14.898	143	44566	22.648	ng/ul	0.02
60) Fluorene-d10	15.668	176	287876	27.752	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.785	200	37824	21.115	ng/ul	0.00
73) Anthracene-d10	17.525	188	441913	27.750	ng/ul	0.00
81) Pyrene-d10	19.804	212	433818	23.541	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.687	264	323893	18.259	ng/ul	0.02
Target Compounds						
					Qvalue	
30) Naphthalene	10.909	128	17821	1.430	ng/ul#	84
36) 2-Methylnaphthalene	12.513	142	11541	1.278	ng/ul	96
37) 1-Methylnaphthalene	12.730	142	10029	1.069	ng/ul#	93
50) Acenaphthylene	14.411	152	19622m	1.388	ng/ul	
61) Fluorene	15.721	166	13272	1.131	ng/ul#	92
72) Phenanthrene	17.466	178	299276	16.640	ng/ul	98
74) Anthracene	17.554	178	44419	2.390	ng/ul	99
77) Carbazole	17.830	167	36327	2.322	ng/ul#	91
80) Fluoranthene	19.475	202	741883	34.018	ng/ul#	93
82) Pyrene	19.840	202	496705	22.049	ng/ul#	92
85) Benzo(a)anthracene	21.667	228	282735	12.464	ng/ul	95
86) Bis(2-ethylhexyl)phtha...	21.555	149	26198	1.931	ng/ul#	95
87) Chrysene	21.731	228	379684	17.880	ng/ul	97
90) Benzo(b)fluoranthene	23.894	252	492463	21.853	ng/ul#	97
91) Benzo(k)fluoranthene	23.941	252	192619m	8.572	ng/ul	
93) Benzo(a)pyrene	24.757	252	166408m	7.798	ng/ul	
94) Indeno(1,2,3-cd)pyrene	28.588	276	133191m	4.884	ng/ul	
95) Dibenzo(a,h)anthracene	28.647	278	45778m	2.033	ng/ul	

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

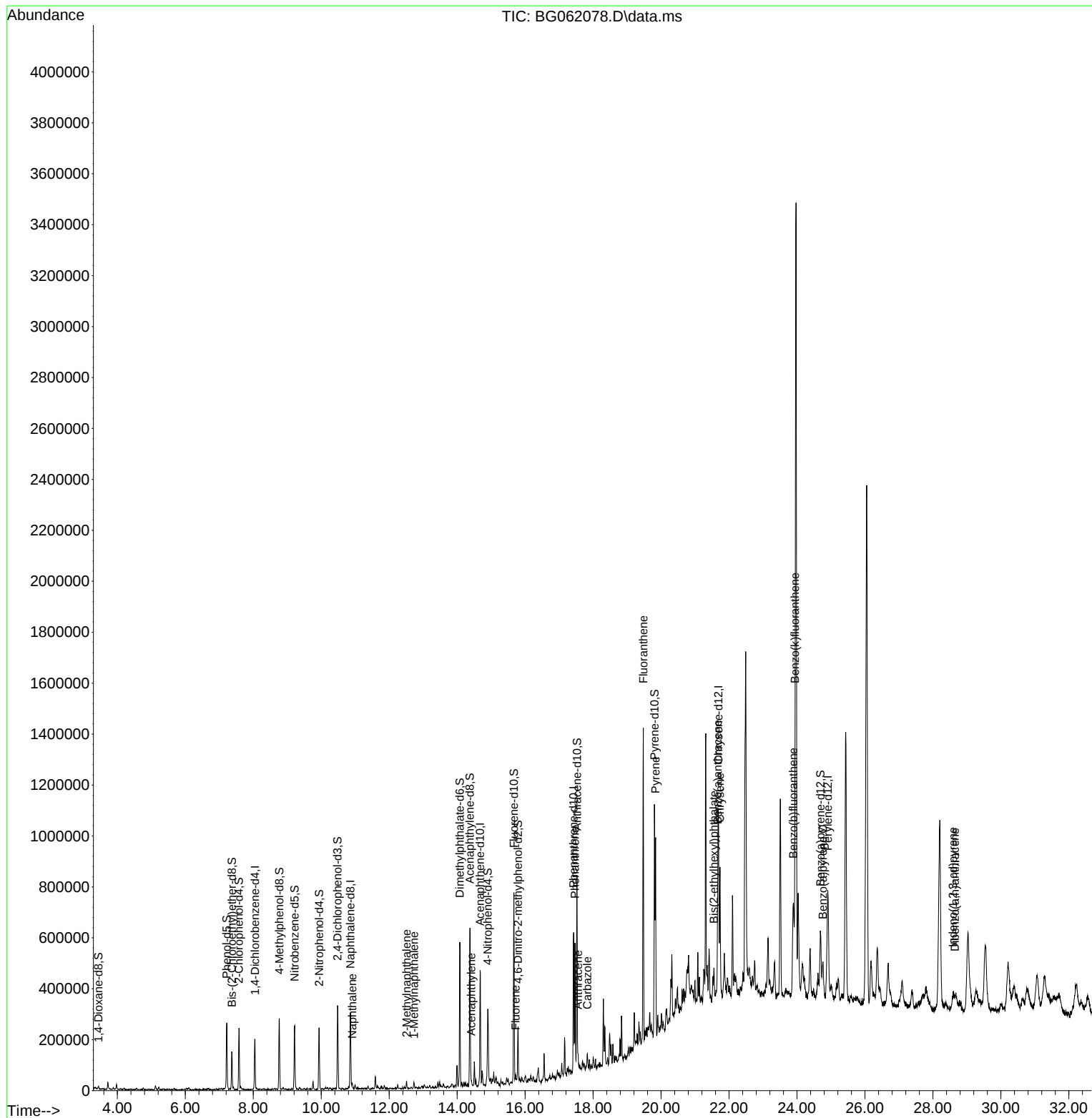
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062078.D
Acq On : 15 Jul 2024 21:26
Operator : MA/JU
Sample : P3100-22
Misc :
ALS Vial : 12 Sample Multiplier: 1

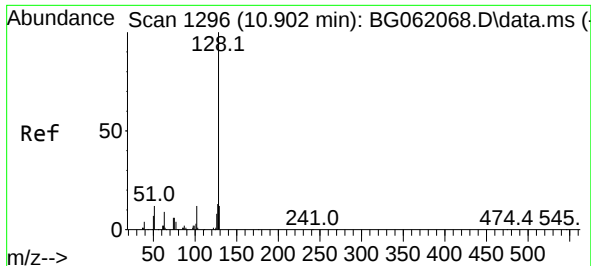
Instrument :
BNA_G
ClientSampleId :
A4D50

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Supervised By :mohammad ahmed 07/20/2024

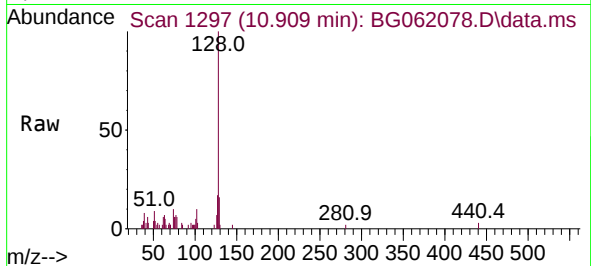
Quant Time: Jul 15 23:57:56 2024
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Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration





#30
Naphthalene
Concen: 1.430 ng/ul
RT: 10.909 min Scan# 1570
Delta R.T. 0.007 min
Lab File: BG062078.D
Acq: 15 Jul 2024 21:26

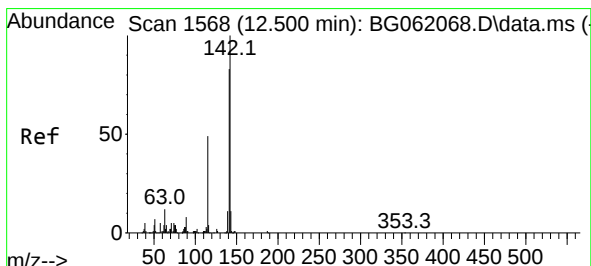
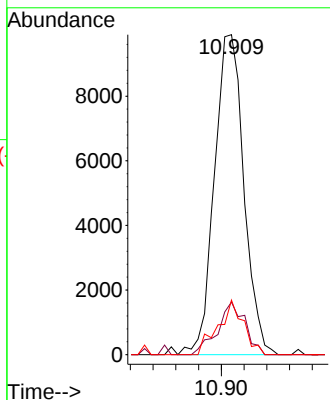
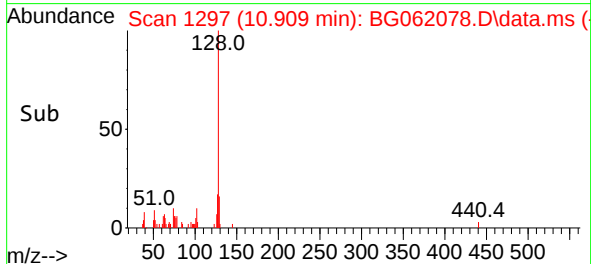
Instrument :
BNA_G
ClientSampleId :
A4D50



Tgt Ion:128 Resp: 1782
Ion Ratio Lower Upper
128 100
129 16.4 7.7 11.5
127 17.1 9.6 14.4

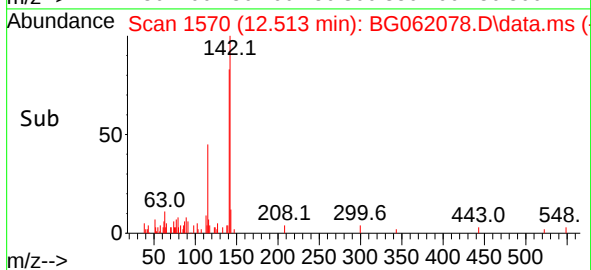
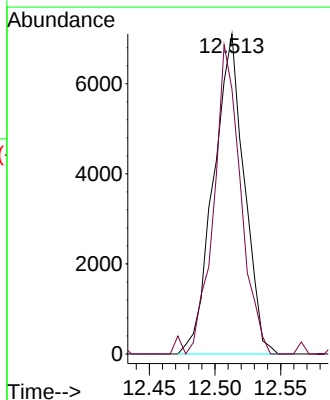
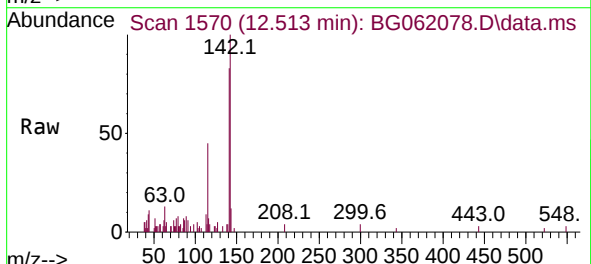
Manual Integrations
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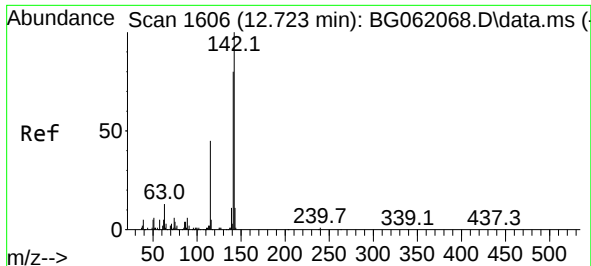
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/20/2024



#36
2-Methylnaphthalene
Concen: 1.278 ng/ul
RT: 12.513 min Scan# 1570
Delta R.T. 0.007 min
Lab File: BG062078.D
Acq: 15 Jul 2024 21:26

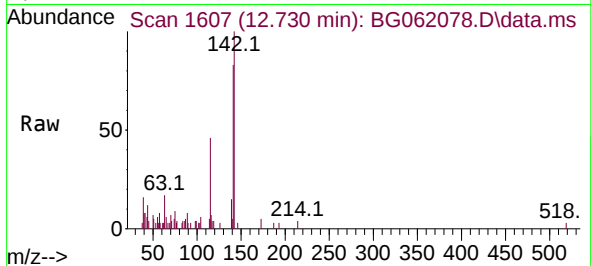
Tgt Ion:142 Resp: 11541
Ion Ratio Lower Upper
142 100
141 82.7 69.4 104.2





#37
1-Methylnaphthalene
Concen: 1.069 ng/ul
RT: 12.730 min Scan# 1607
Delta R.T. 0.007 min
Lab File: BG062078.D
Acq: 15 Jul 2024 21:26

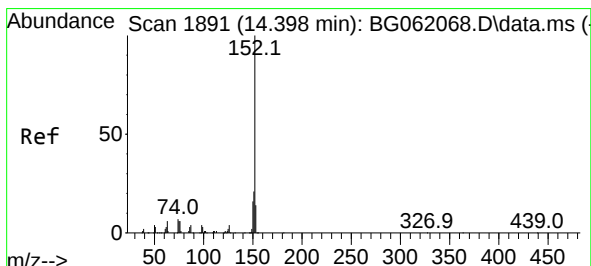
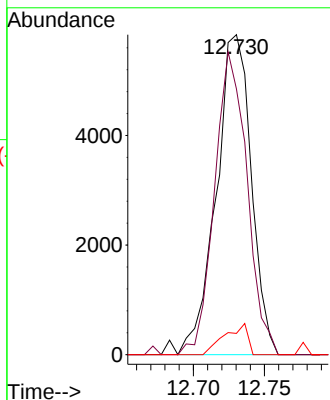
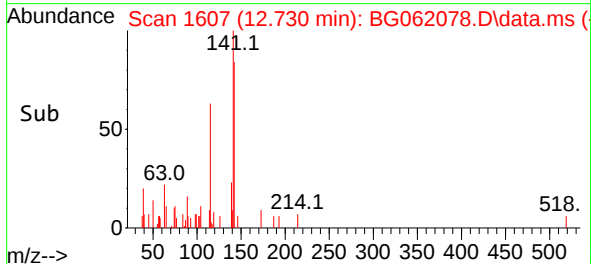
Instrument :
BNA_G
ClientSampleId :
A4D50



Tgt Ion:142 Resp: 10029
Ion Ratio Lower Upper
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141 83.1 71.4 107.2
116 6.7 3.8 5.8

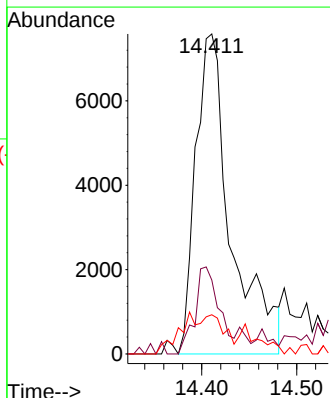
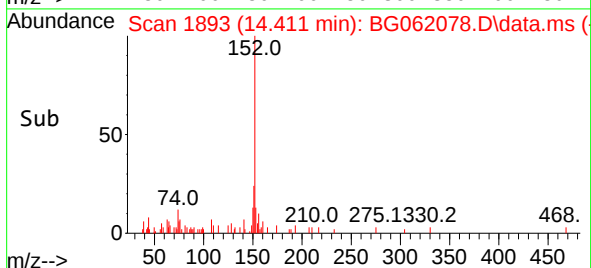
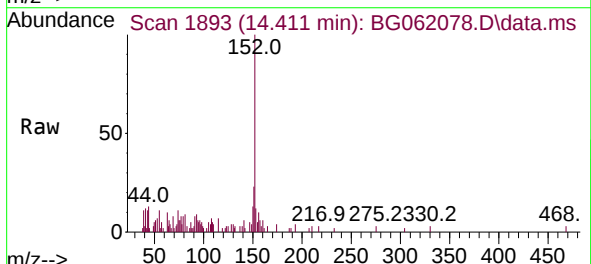
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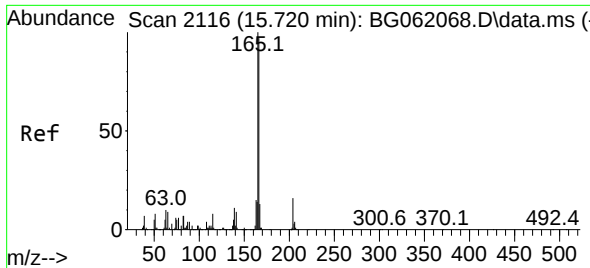
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/20/2024



#50
Acenaphthylene
Concen: 1.388 ng/ul m
RT: 14.411 min Scan# 1893
Delta R.T. 0.013 min
Lab File: BG062078.D
Acq: 15 Jul 2024 21:26

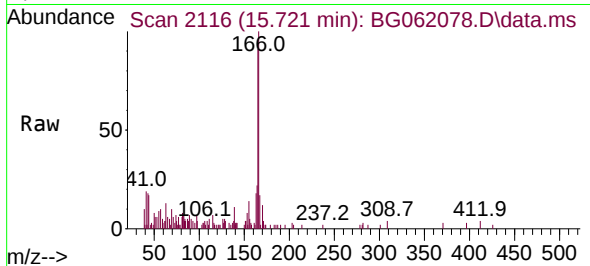
Tgt Ion:152 Resp: 19622
Ion Ratio Lower Upper
152 100
151 23.1 16.5 24.7
153 12.2 11.4 17.0





#61
Fluorene
Concen: 1.131 ng/ul
RT: 15.721 min Scan# 2116
Delta R.T. 0.001 min
Lab File: BG062078.D
Acq: 15 Jul 2024 21:26

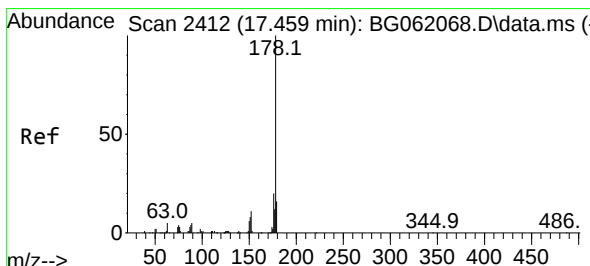
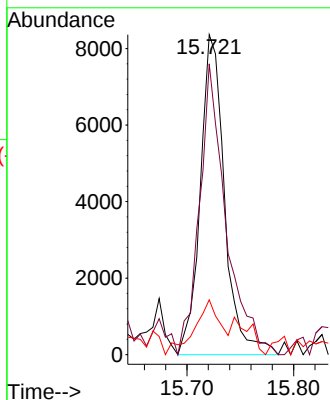
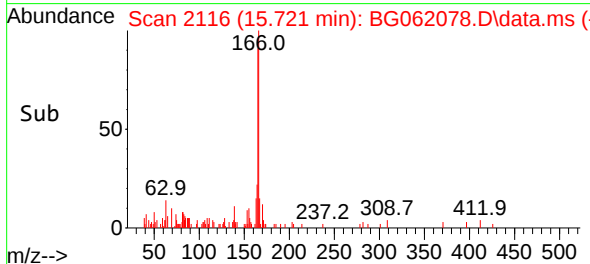
Instrument :
BNA_G
ClientSampleId :
A4D50



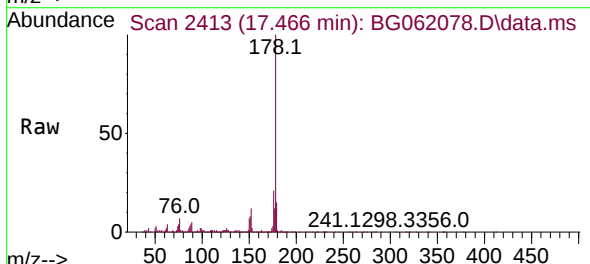
Tgt Ion:166 Resp: 13272
Ion Ratio Lower Upper
166 100
165 90.9 78.4 117.6
167 17.1 10.4 15.6

Manual Integrations
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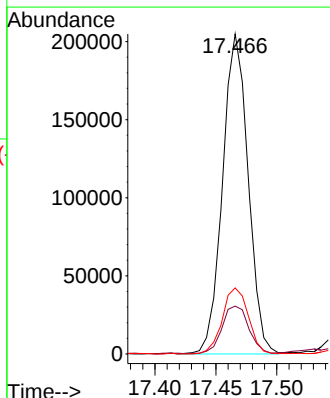
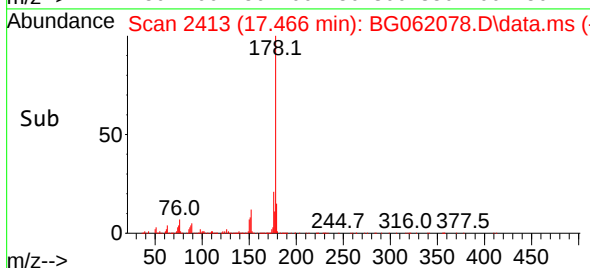
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/20/2024

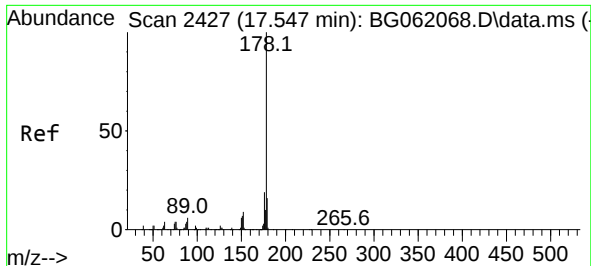


#72
Phenanthrene
Concen: 16.640 ng/ul
RT: 17.466 min Scan# 2413
Delta R.T. 0.007 min
Lab File: BG062078.D
Acq: 15 Jul 2024 21:26



Tgt Ion:178 Resp: 299276
Ion Ratio Lower Upper
178 100
179 14.9 11.9 17.9
176 20.6 15.5 23.3





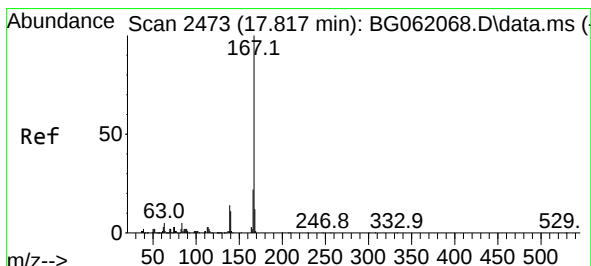
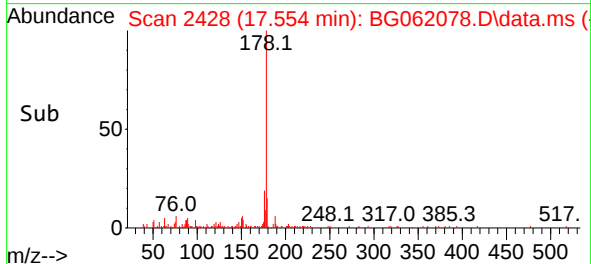
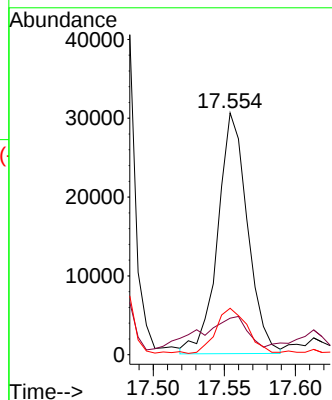
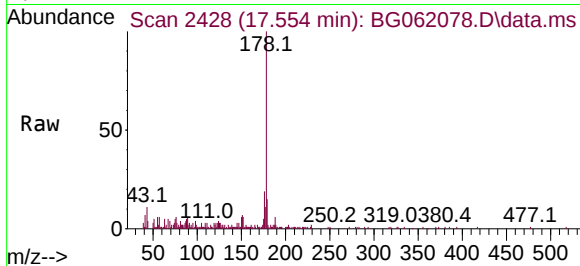
#74
 Anthracene
 Concen: 2.390 ng/ul
 RT: 17.554 min Scan# 2427
 Delta R.T. 0.001 min
 Lab File: BG062078.D
 Acq: 15 Jul 2024 21:26

Instrument :
 BNA_G
 ClientSampleId :
 A4D50

Tgt Ion:178 Resp: 44419
 Ion Ratio Lower Upper
 178 100
 179 15.1 11.9 17.9
 176 19.2 14.7 22.1

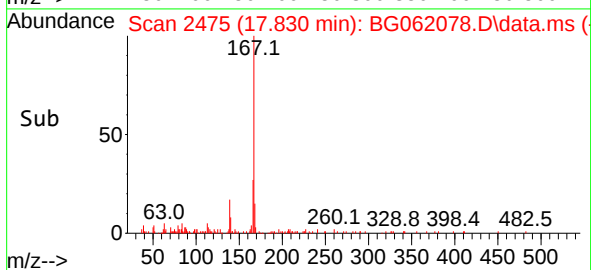
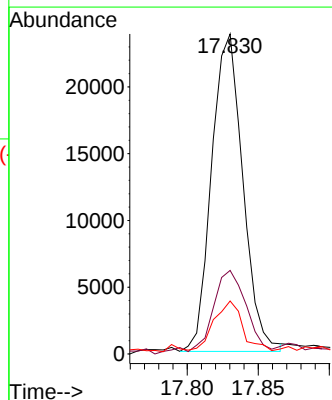
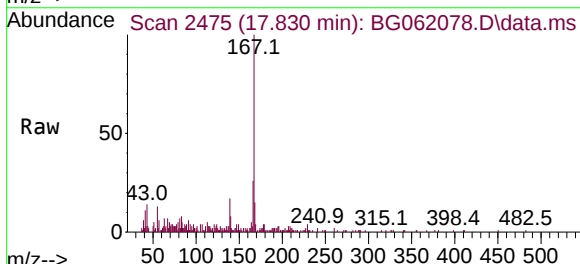
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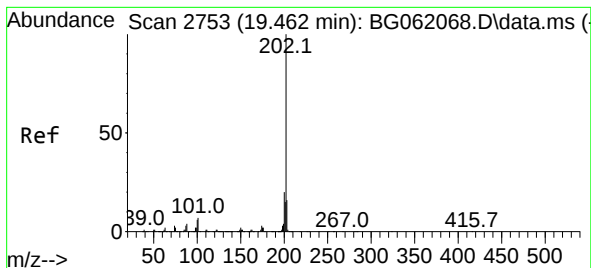
Reviewed By :Yogesh Patel 07/16/2024
 Supervised By :mohammad ahmed 07/20/2024



#77
 Carbazole
 Concen: 2.322 ng/ul
 RT: 17.830 min Scan# 2475
 Delta R.T. 0.013 min
 Lab File: BG062078.D
 Acq: 15 Jul 2024 21:26

Tgt Ion:167 Resp: 36327
 Ion Ratio Lower Upper
 167 100
 166 26.1 18.2 27.2
 139 16.6 9.6 14.4#





#80

Fluoranthene

Concen: 34.018 ng/u1

RT: 19.475 min Scan# 21

Delta R.T. 0.013 min

Lab File: BG062078.D

Acq: 15 Jul 2024 21:26

Instrument :

BNA_G

ClientSampleId :

A4D50

Tgt Ion:202 Resp: 74188

Ion Ratio Lower Upper

202 100

101 6.7 7.4 11.2

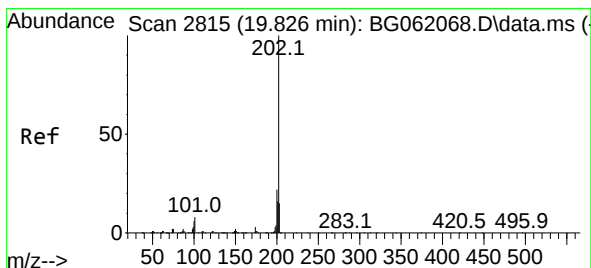
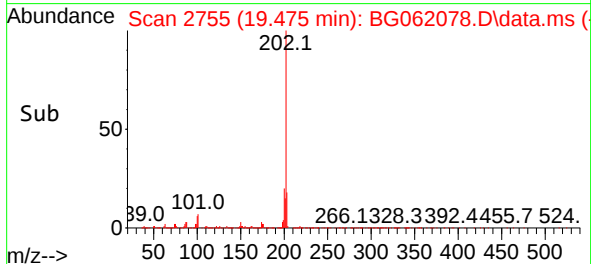
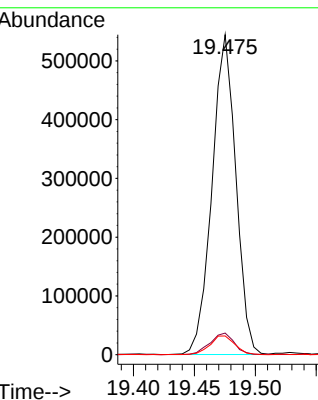
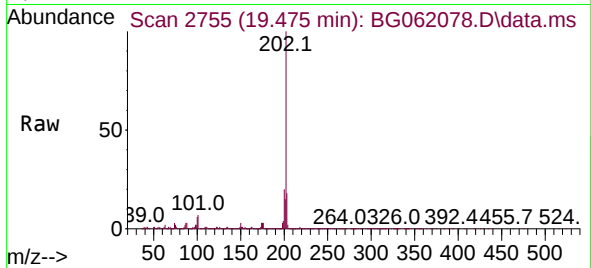
100 5.8 6.6 10.0

Manual Integrations

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Reviewed By :Yogesh Patel 07/16/2024

Supervised By :mohammad ahmed 07/20/2024



#82

Pyrene

Concen: 22.049 ng/u1

RT: 19.840 min Scan# 2817

Delta R.T. 0.013 min

Lab File: BG062078.D

Acq: 15 Jul 2024 21:26

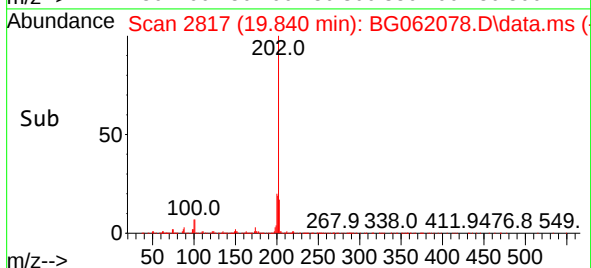
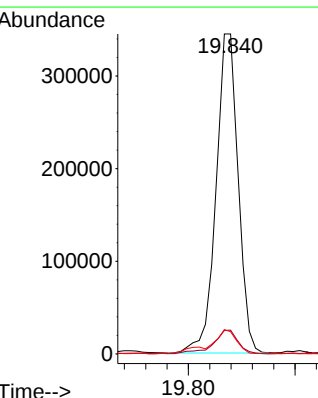
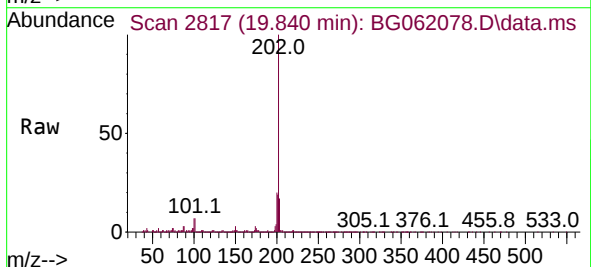
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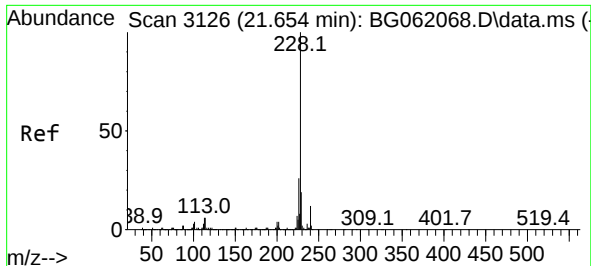
Ion Ratio Lower Upper

202 100

101 7.4 8.8 13.2#

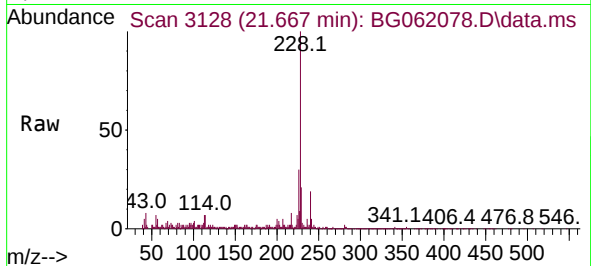
100 6.9 7.6 11.4#





#85
Benzo(a)anthracene
Concen: 12.464 ng/ul
RT: 21.667 min Scan# 3126
Delta R.T. 0.013 min
Lab File: BG062078.D
Acq: 15 Jul 2024 21:26

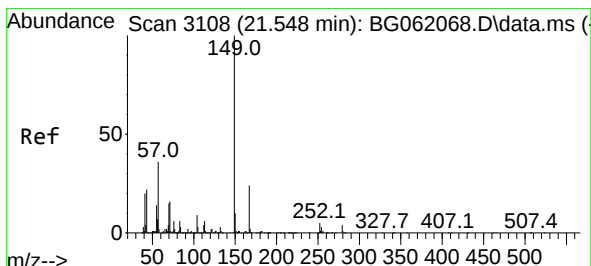
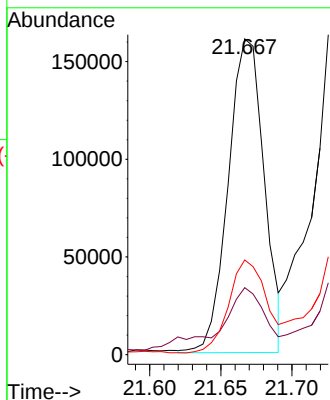
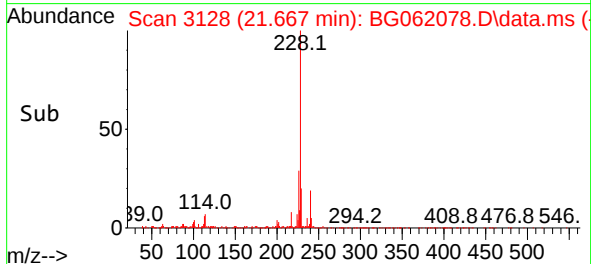
Instrument :
BNA_G
ClientSampleId :
A4D50



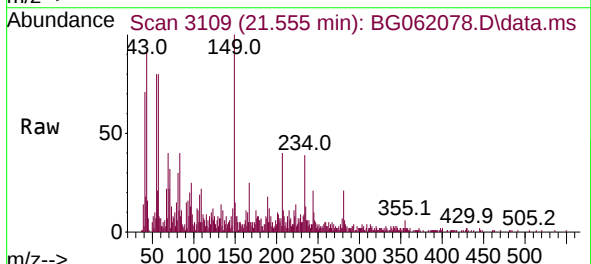
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Ion Ratio Lower Upper
228 100
229 21.2 15.7 23.5
226 30.0 21.7 32.5

Manual Integrations
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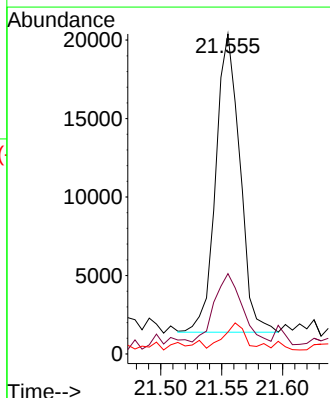
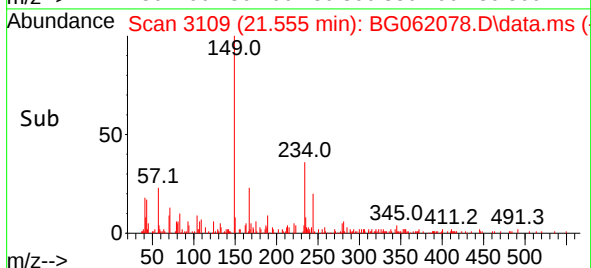
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/20/2024

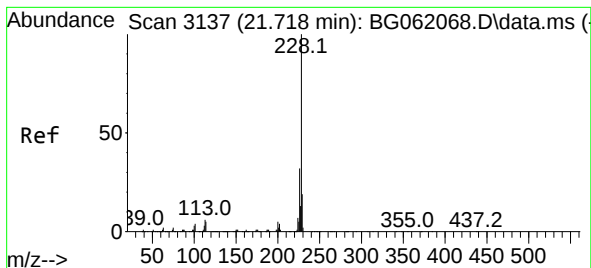


#86
Bis(2-ethylhexyl)phthalate
Concen: 1.931 ng/ul
RT: 21.555 min Scan# 3109
Delta R.T. 0.001 min
Lab File: BG062078.D
Acq: 15 Jul 2024 21:26



Tgt Ion:149 Resp: 26198
Ion Ratio Lower Upper
149 100
167 25.1 21.7 32.5
279 6.9 2.8 4.2#





#87

Chrysene

Concen: 17.880 ng/ul

RT: 21.731 min Scan# 31

Delta R.T. 0.007 min

Lab File: BG062078.D

Acq: 15 Jul 2024 21:26

Instrument :

BNA_G

ClientSampleId :

A4D50

Tgt Ion:228 Resp: 379684

Ion Ratio Lower Upper

228 100

226 30.4 23.3 34.9

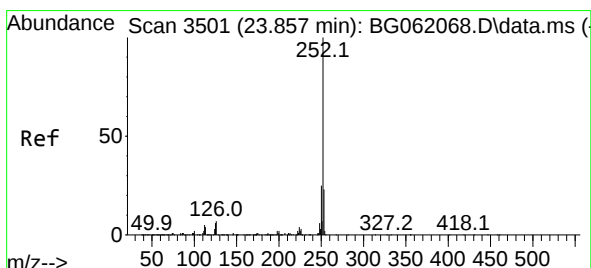
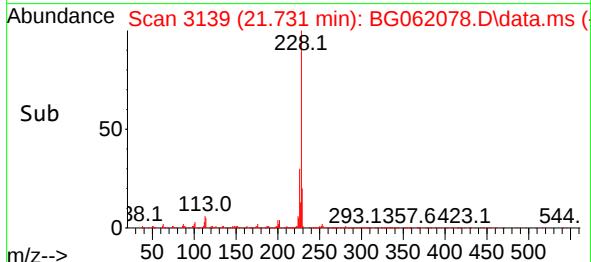
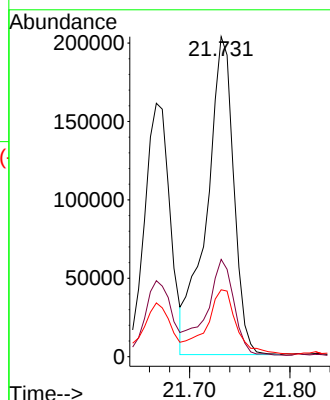
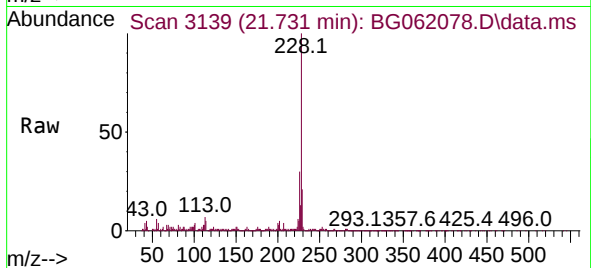
229 20.9 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/16/2024

Supervised By :mohammad ahmed 07/20/2024



#90

Benzo(b)fluoranthene

Concen: 21.853 ng/ul

RT: 23.894 min Scan# 3507

Delta R.T. 0.036 min

Lab File: BG062078.D

Acq: 15 Jul 2024 21:26

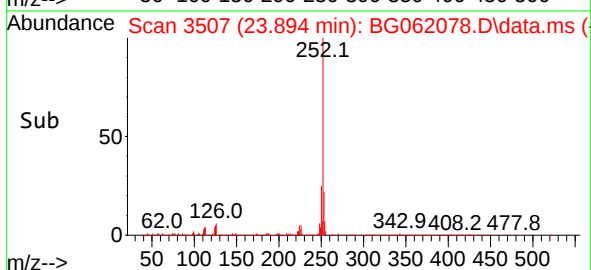
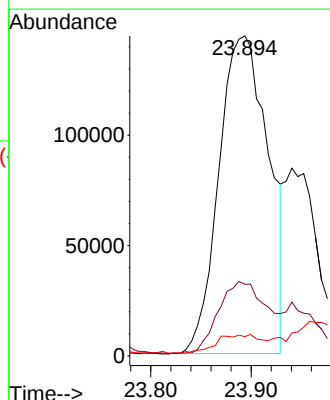
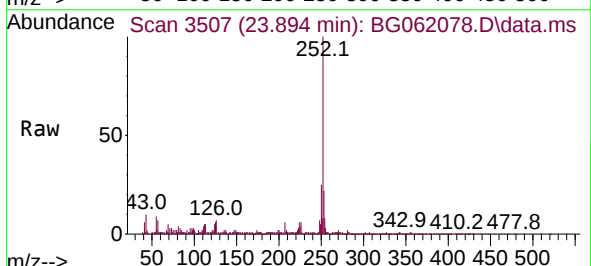
Tgt Ion:252 Resp: 492463

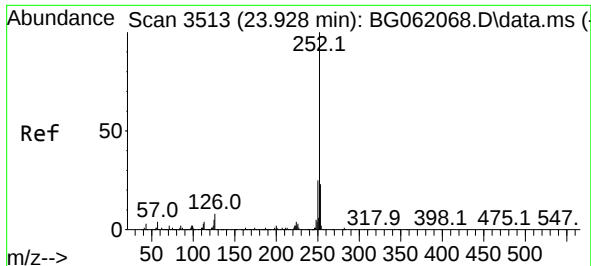
Ion Ratio Lower Upper

252 100

253 22.4 17.2 25.8

125 6.0 6.1 9.1#





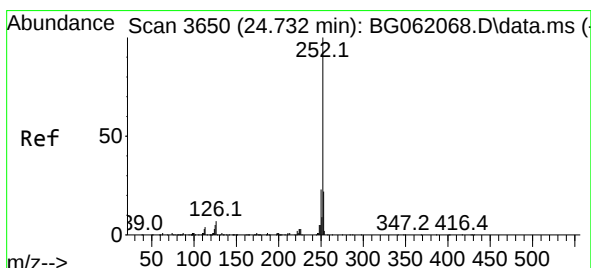
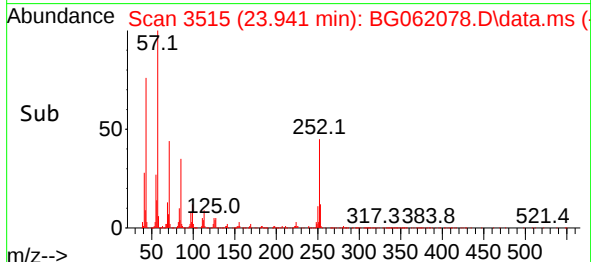
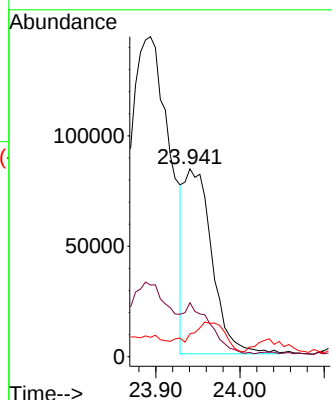
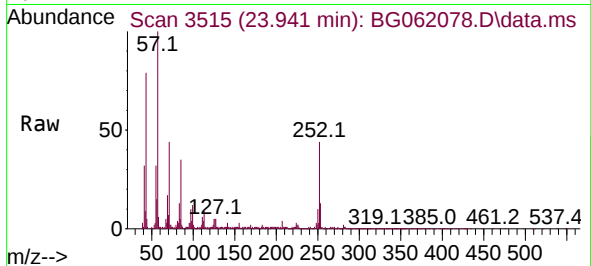
#91
Benzo(k)fluoranthene
Concen: 8.572 ng/ul m
RT: 23.941 min Scan# 3515
Delta R.T. 0.019 min
Lab File: BG062078.D
Acq: 15 Jul 2024 21:26

Instrument :
BNA_G
ClientSampleId :
A4D50

Tgt Ion:252 Resp: 192619
Ion Ratio Lower Upper
252 100
253 28.7 19.3 28.9
125 12.2 6.3 9.5

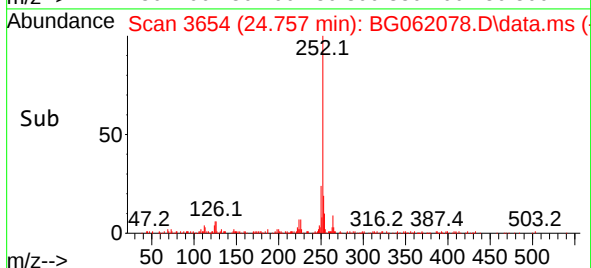
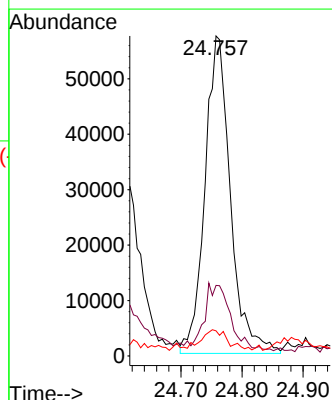
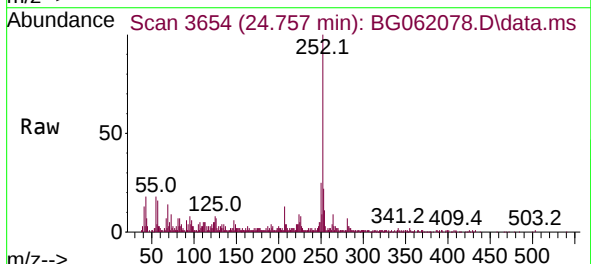
Manual Integrations
APPROVED

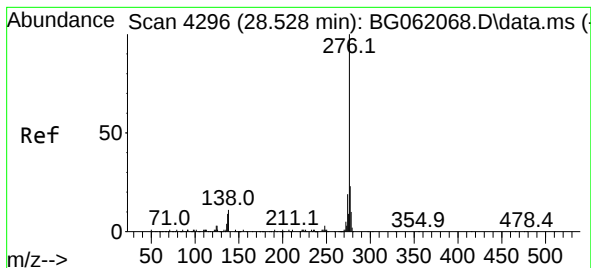
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/20/2024



#93
Benzo(a)pyrene
Concen: 7.798 ng/ul m
RT: 24.757 min Scan# 3654
Delta R.T. 0.030 min
Lab File: BG062078.D
Acq: 15 Jul 2024 21:26

Tgt Ion:252 Resp: 166408
Ion Ratio Lower Upper
252 100
253 22.1 16.5 24.7
125 7.8 7.4 11.2





#94

Indeno(1,2,3-cd)pyrene

Concen: 4.884 ng/ul m

RT: 28.588 min Scan# 4316

Delta R.T. 0.054 min

Lab File: BG062078.D

Acq: 15 Jul 2024 21:26

Instrument :

BNA_G

ClientSampleId :

A4D50

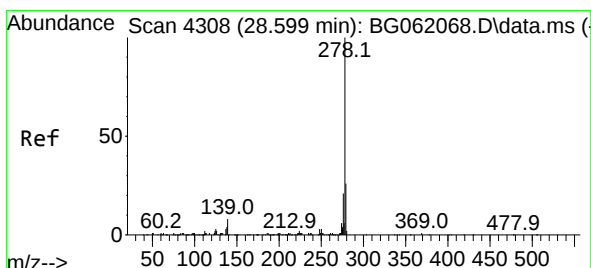
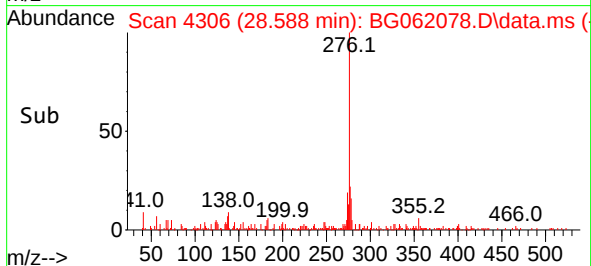
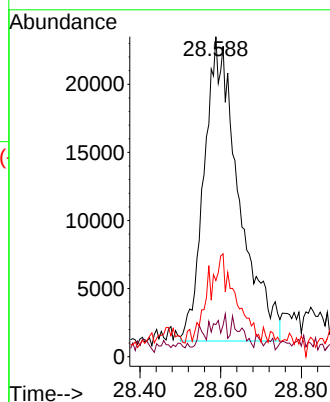
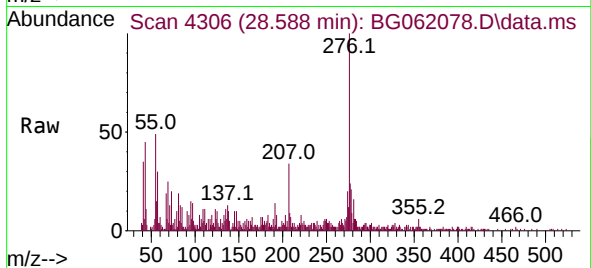
Tgt Ion:	276	Resp:	13319
Ion Ratio	Lower	Upper	
276	100		
138	10.1	11.9	17.9
277	23.8	19.3	28.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/16/2024

Supervised By :mohammad ahmed 07/20/2024



#95

Dibenzo(a,h)anthracene

Concen: 2.033 ng/ul m

RT: 28.647 min Scan# 4316

Delta R.T. 0.054 min

Lab File: BG062078.D

Acq: 15 Jul 2024 21:26

Tgt Ion:	278	Resp:	45778
Ion Ratio	Lower	Upper	
278	100		
139	11.8	7.6	11.4#
279	30.9	18.8	28.2#

