

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
 Data File : BG062072.D
 Acq On : 15 Jul 2024 17:20
 Operator : MA/JU
 Sample : P3100-24
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4D52

Manual Integrations
 APPROVED

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

Quant Time: Jul 17 07:16:40 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	8.041	152	50241	20.000	ng/ul	0.00
20) Naphthalene-d8	10.850	136	242685	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.669	164	158309	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.413	188	336112	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.684	240	304754	20.000	ng/ul	# 0.00
88) Perylene-d12	24.910	264	371116	20.000	ng/ul	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.441	96	4296	3.213	ng/uL	0.00
4) Pyridine-d5	3.870	84	3391	0.825	ng/ul	0.01
7) Phenol-d5	7.207	99	121288	22.060	ng/ul	0.01
9) Bis-(2-Chloroethyl)eth...	7.360	67	72225	20.743	ng/ul	0.00
11) 2-Chlorophenol-d4	7.571	132	91057	24.144	ng/ul	0.00
15) 4-Methylphenol-d8	8.752	113	90816	20.978	ng/ul	0.00
21) Nitrobenzene-d5	9.211	128	44205	23.950	ng/ul	0.00
24) 2-Nitrophenol-d4	9.933	143	58124	27.576	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.474	165	105574	25.968	ng/ul	0.00
31) 4-Chloroaniline-d4	0.000	131	0d	0.000	ng/ul	
46) Dimethylphthalate-d6	14.070	166	328941	25.274	ng/ul	0.00
49) Acenaphthylene-d8	14.369	160	362126	26.609	ng/ul	0.00
54) 4-Nitrophenol-d4	14.886	143	41896	20.157	ng/ul	0.01
60) Fluorene-d10	15.662	176	287369	26.228	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.779	200	43763	24.792	ng/ul	0.00
73) Anthracene-d10	17.513	188	425190	27.095	ng/ul	0.00
81) Pyrene-d10	19.798	212	420684	23.469	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.687	264	332112	18.044	ng/ul	0.02
Target Compounds					Qvalue	
18) 4-Methylphenol	8.817	108	33483	7.442	ng/ul	98
50) Acenaphthylene	14.399	152	15075m	1.009	ng/ul	
52) Acenaphthene	14.734	153	13326	1.292	ng/ul#	90
61) Fluorene	15.715	166	17879	1.442	ng/ul#	95
72) Phenanthrene	17.460	178	463276	26.141	ng/ul	97
74) Anthracene	17.548	178	65230	3.562	ng/ul	97
77) Carbazole	17.818	167	52591	3.412	ng/ul#	93
78) Di-n-butylphthalate	18.365	149	20004	1.011	ng/ul#	85
80) Fluoranthene	19.469	202	1342358	63.278	ng/ul#	94
82) Pyrene	19.833	202	958077	43.722	ng/ul#	91
83) Butylbenzylphthalate	20.703	149	29227	3.178	ng/ul#	75
85) Benzo(a)anthracene	21.661	228	593291	26.888	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.555	149	176232	13.354	ng/ul#	99
87) Chrysene	21.731	228	759138	36.751	ng/ul	96
90) Benzo(b)fluoranthene	23.888	252	1177289	50.351	ng/ul	96
91) Benzo(k)fluoranthene	23.946	252	449117m	19.262	ng/ul	
93) Benzo(a)pyrene	24.757	252	376767	17.017	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	28.600	276	380094m	13.434	ng/ul	
95) Dibenzo(a,h)anthracene	28.647	278	128673m	5.506	ng/ul	
96) Benzo(g,h,i)perylene	29.757	276	51356m	2.282	ng/ul	

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

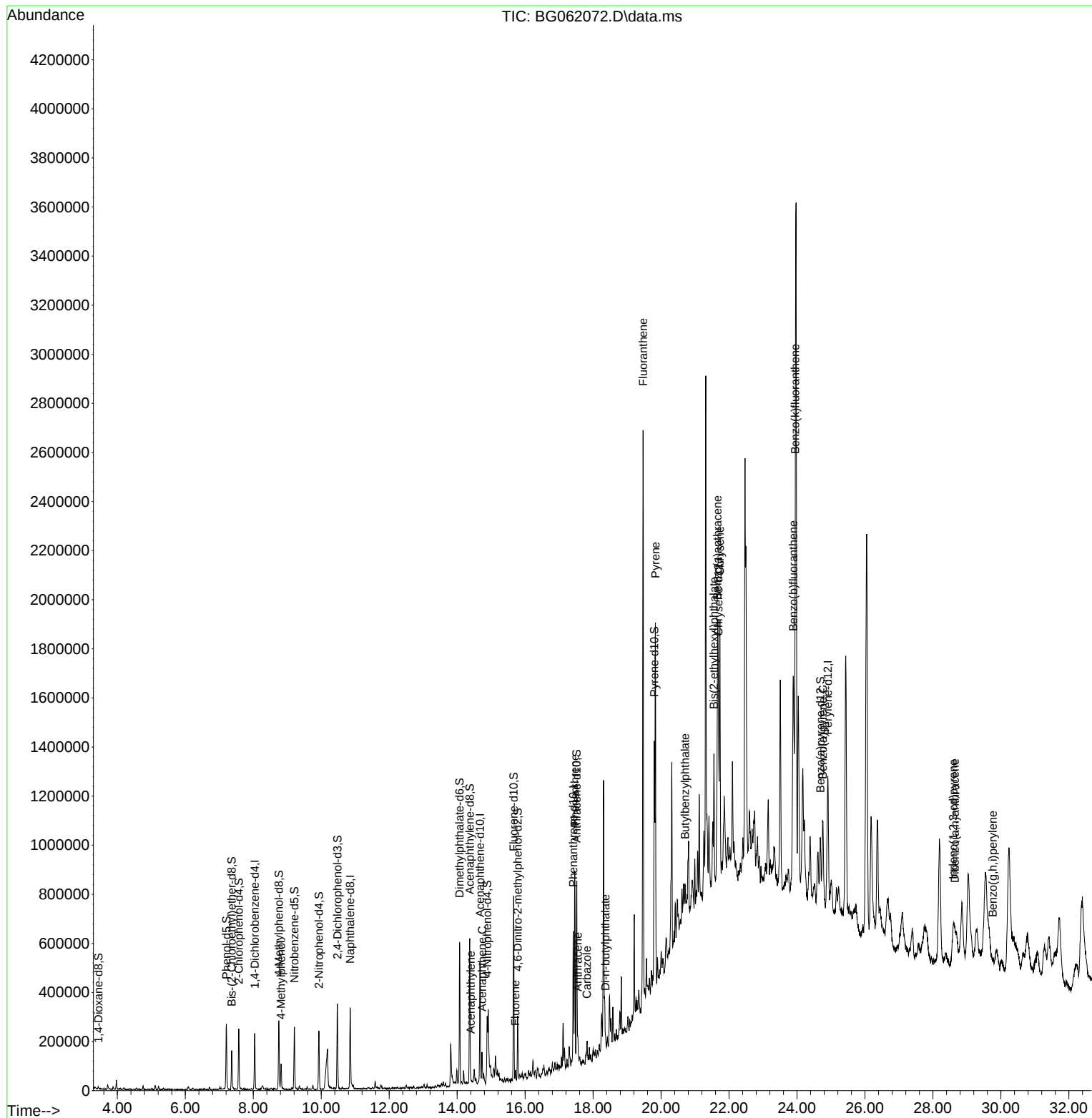
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062072.D
Acq On : 15 Jul 2024 17:20
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ALS Vial : 6 Sample Multiplier: 1

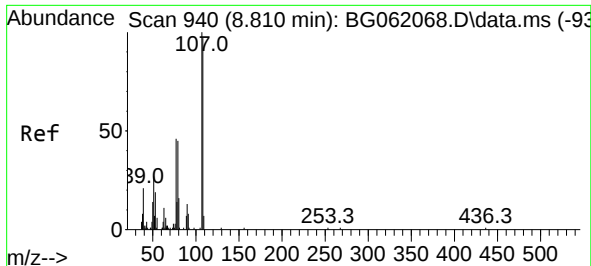
Instrument :
BNA_G
ClientSampleId :
A4D52

Manual Integrations
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Quant Title : SVOA CALIBRATION
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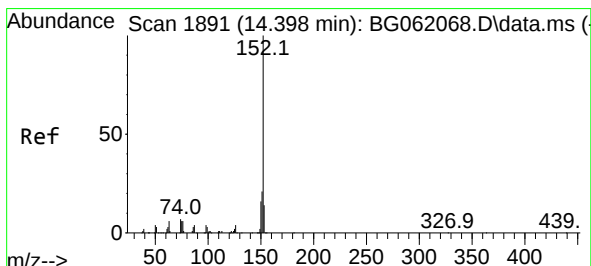
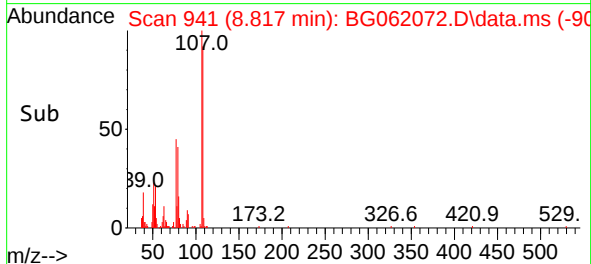
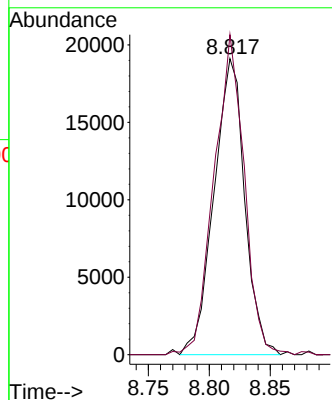
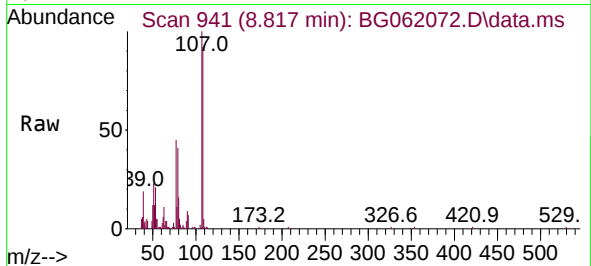
#18
4-Methylphenol
Concen: 7.442 ng/ul
RT: 8.817 min Scan# 940
Delta R.T. 0.007 min
Lab File: BG062072.D
Acq: 15 Jul 2024 17:20

Instrument :
BNA_G
ClientSampleId :
A4D52

Tgt Ion:108 Resp: 3348
Ion Ratio Lower Upper
108 100
107 108.1 88.4 132.6

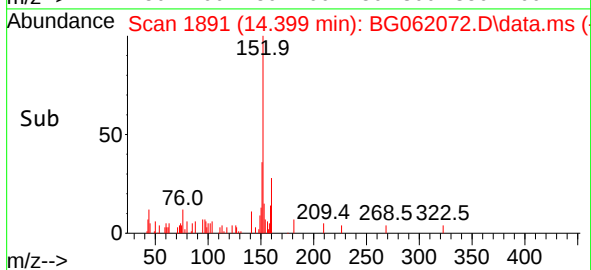
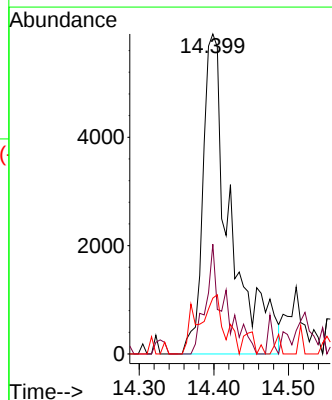
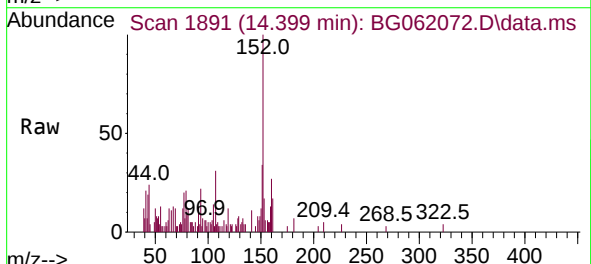
Manual Integrations
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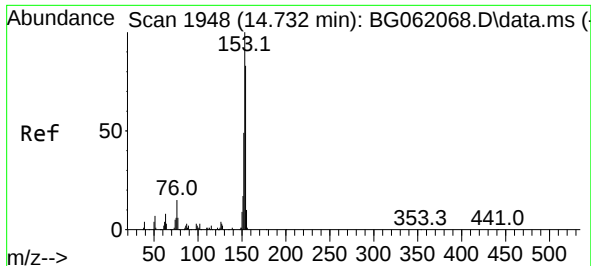
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/20/2024



#50
Acenaphthylene
Concen: 1.009 ng/ul m
RT: 14.399 min Scan# 1891
Delta R.T. 0.001 min
Lab File: BG062072.D
Acq: 15 Jul 2024 17:20

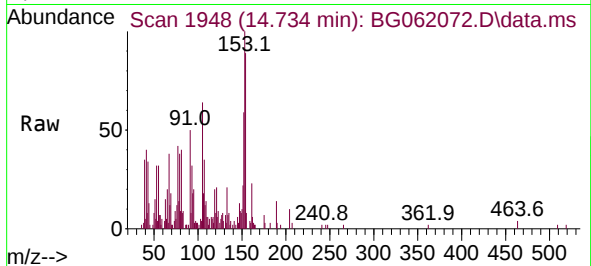
Tgt Ion:152 Resp: 15075
Ion Ratio Lower Upper
152 100
151 34.3 16.5 24.7#
153 17.5 11.4 17.0#





#52
Acenaphthene
Concen: 1.292 ng/ul
RT: 14.734 min Scan# 1948
Delta R.T. -0.005 min
Lab File: BG062072.D
Acq: 15 Jul 2024 17:20

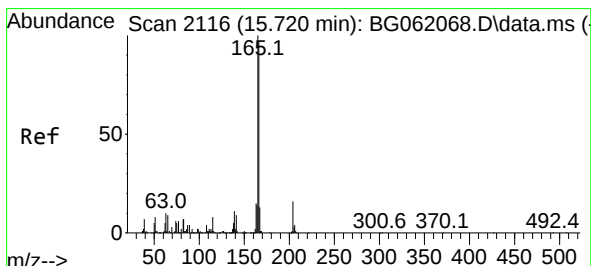
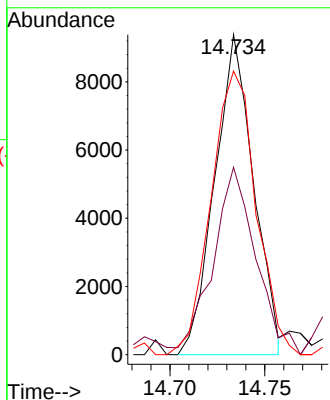
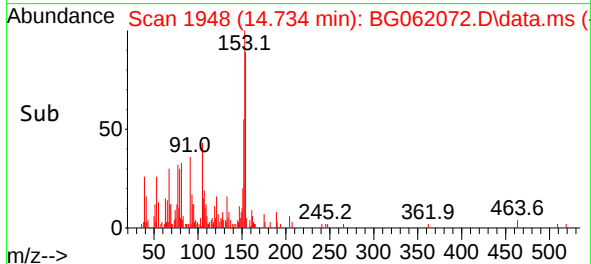
Instrument :
BNA_G
ClientSampleId :
A4D52



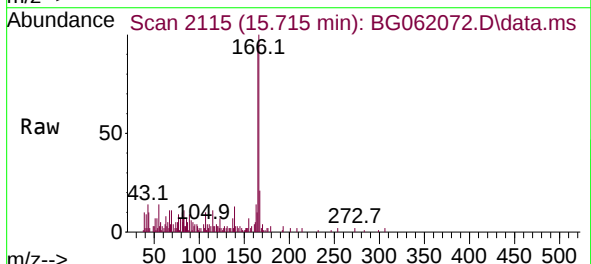
Tgt Ion:153 Resp: 13320
Ion Ratio Lower Upper
153 100
152 58.6 37.2 55.8
154 88.6 75.0 112.6

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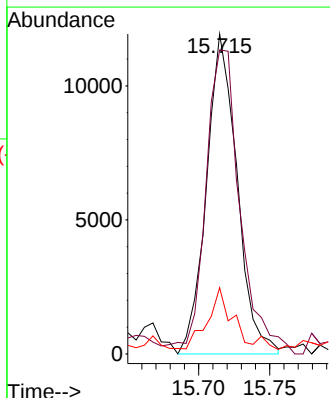
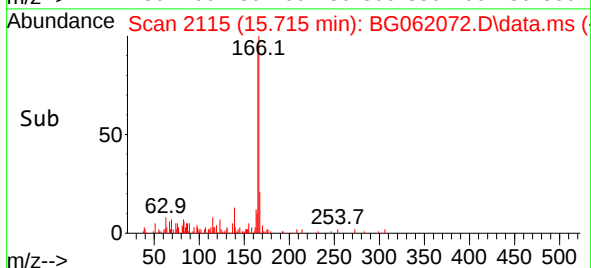
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/20/2024

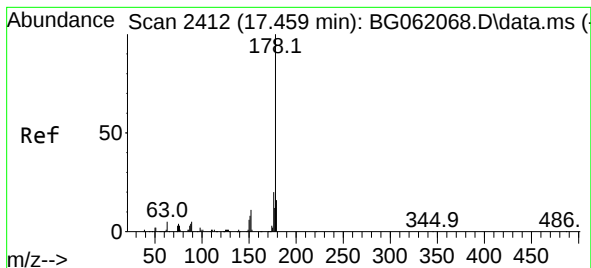


#61
Fluorene
Concen: 1.442 ng/ul
RT: 15.715 min Scan# 2115
Delta R.T. -0.005 min
Lab File: BG062072.D
Acq: 15 Jul 2024 17:20



Tgt Ion:166 Resp: 17879
Ion Ratio Lower Upper
166 100
165 95.0 78.4 117.6
167 20.7 10.4 15.6#





#72

Phenanthrene

Concen: 26.141 ng/ul

RT: 17.460 min Scan# 2412

Delta R.T. 0.001 min

Lab File: BG062072.D

Acq: 15 Jul 2024 17:20

Instrument :

BNA_G

ClientSampleId :

A4D52

Tgt Ion:178 Resp: 463270

Ion Ratio Lower Upper

178 100

179 15.9 11.9 17.9

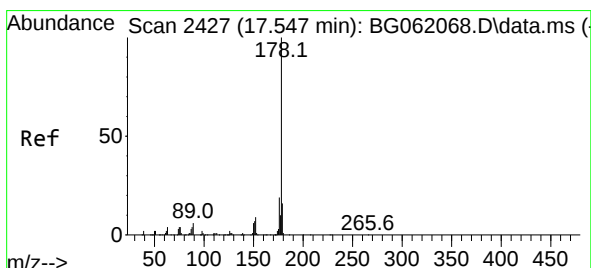
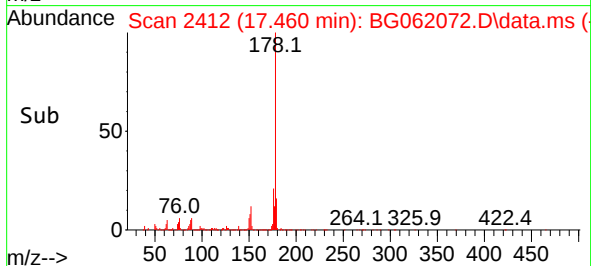
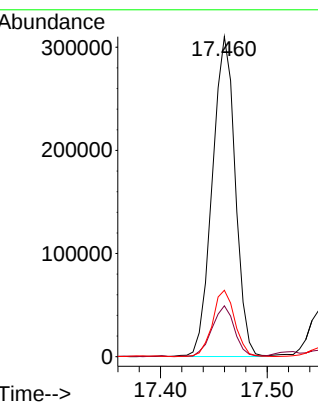
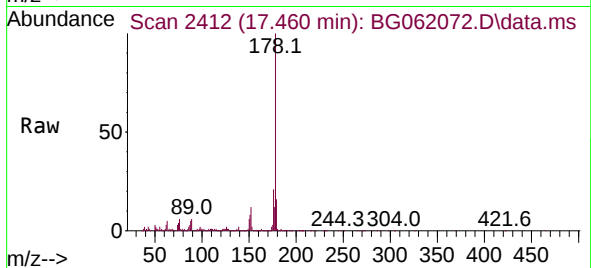
176 20.7 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/18/2024

Supervised By :mohammad ahmed 07/20/2024



#74

Anthracene

Concen: 3.562 ng/ul

RT: 17.548 min Scan# 2427

Delta R.T. -0.005 min

Lab File: BG062072.D

Acq: 15 Jul 2024 17:20

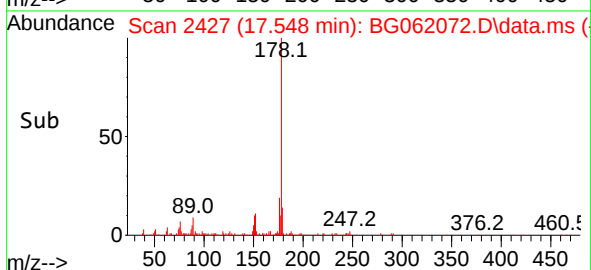
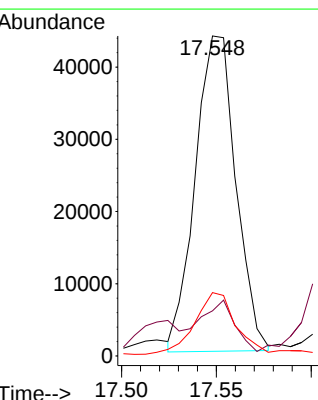
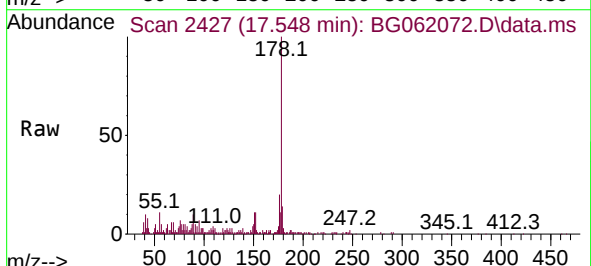
Tgt Ion:178 Resp: 65230

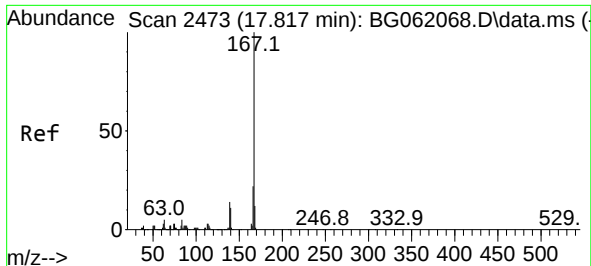
Ion Ratio Lower Upper

178 100

179 14.1 11.9 17.9

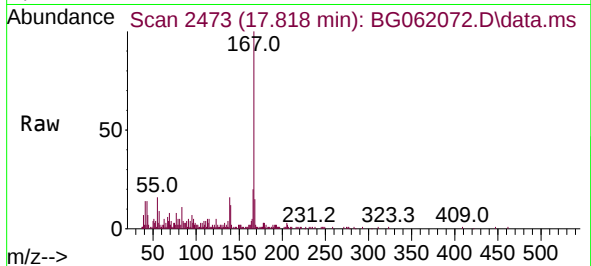
176 19.8 14.7 22.1





#77
 Carbazole
 Concen: 3.412 ng/ul
 RT: 17.818 min Scan# 2473
 Delta R.T. 0.001 min
 Lab File: BG062072.D
 Acq: 15 Jul 2024 17:20

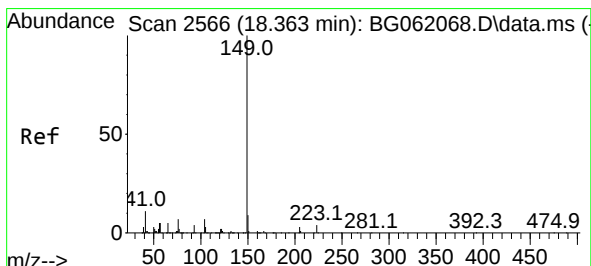
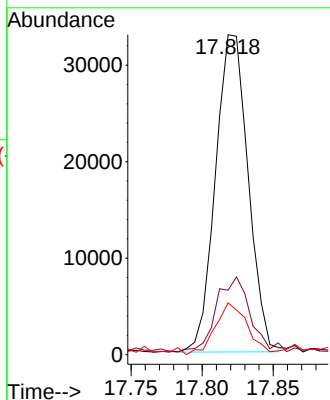
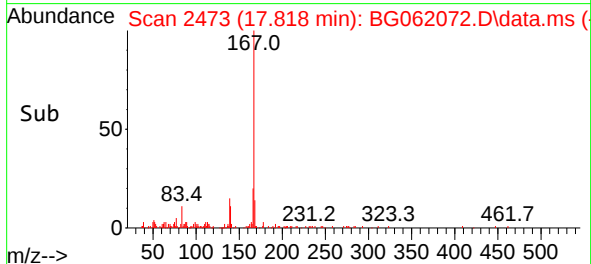
Instrument :
 BNA_G
 ClientSampleId :
 A4D52



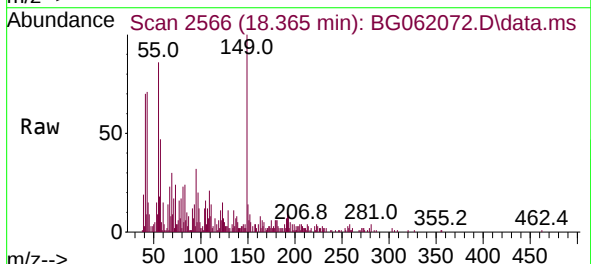
Tgt Ion:167 Resp: 5259
 Ion Ratio Lower Upper
 167 100
 166 20.1 18.2 27.2
 139 16.2 9.6 14.4

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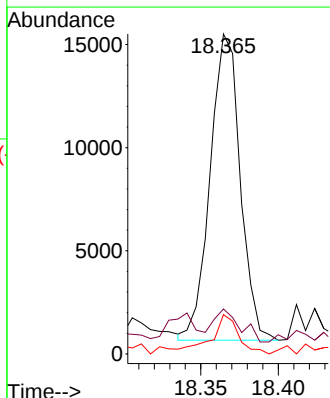
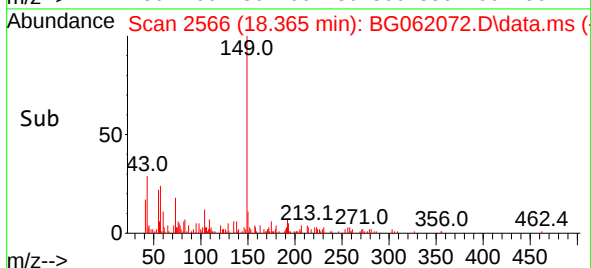
Reviewed By :Yogesh Patel 07/18/2024
 Supervised By :mohammad ahmed 07/20/2024

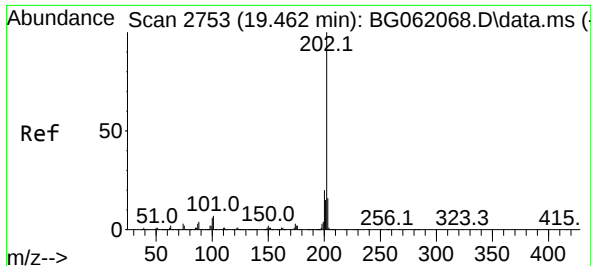


#78
 Di-n-butylphthalate
 Concen: 1.011 ng/ul
 RT: 18.365 min Scan# 2566
 Delta R.T. -0.005 min
 Lab File: BG062072.D
 Acq: 15 Jul 2024 17:20



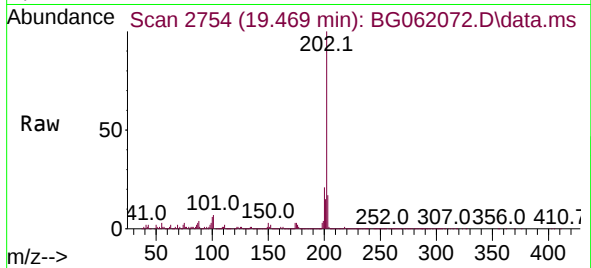
Tgt Ion:149 Resp: 20004
 Ion Ratio Lower Upper
 149 100
 150 14.1 7.5 11.3#
 104 12.3 5.0 7.4#





#80
Fluoranthene
Concen: 63.278 ng/ul
RT: 19.469 min Scan# 21
Delta R.T. 0.007 min
Lab File: BG062072.D
Acq: 15 Jul 2024 17:20

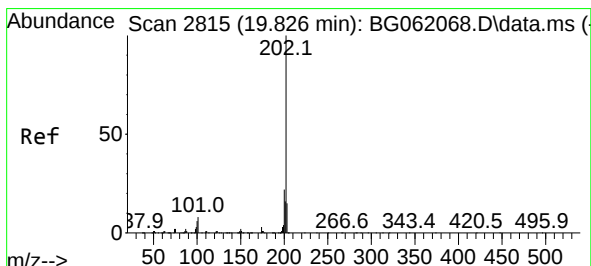
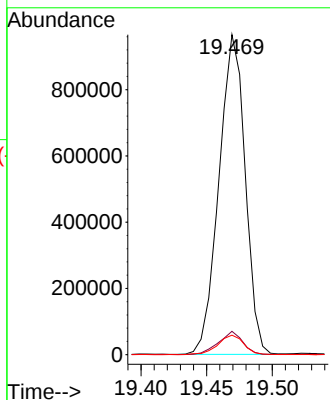
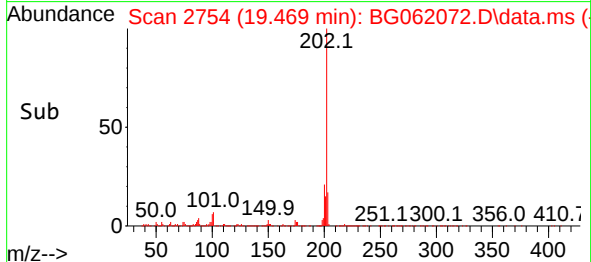
Instrument :
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ClientSampleId :
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Tgt Ion:202 Resp: 1342358
Ion Ratio Lower Upper
202 100
101 7.3 7.4 11.2#
100 6.1 6.6 10.0#

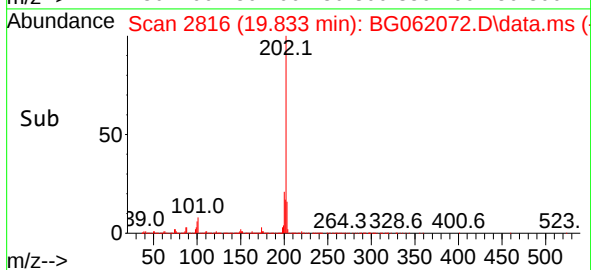
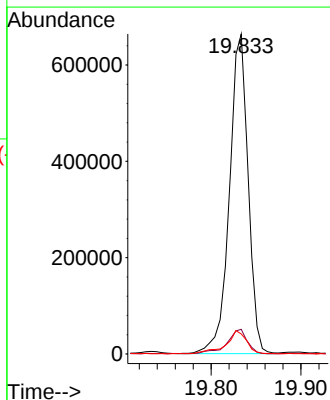
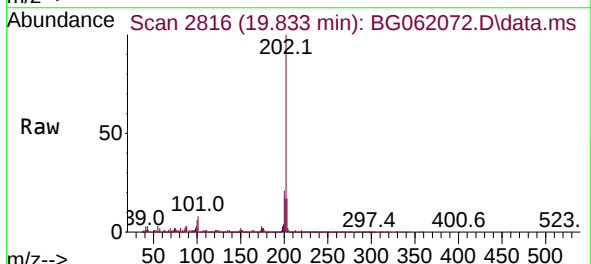
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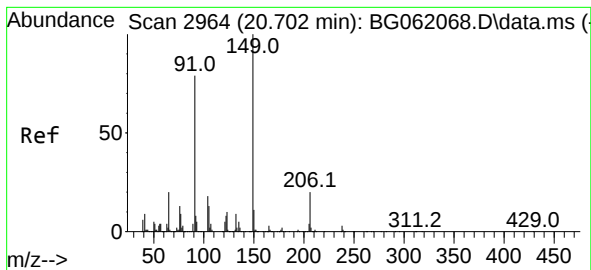
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/20/2024



#82
Pyrene
Concen: 43.722 ng/ul
RT: 19.833 min Scan# 2816
Delta R.T. 0.007 min
Lab File: BG062072.D
Acq: 15 Jul 2024 17:20

Tgt Ion:202 Resp: 958077
Ion Ratio Lower Upper
202 100
101 7.7 8.8 13.2#
100 6.2 7.6 11.4#





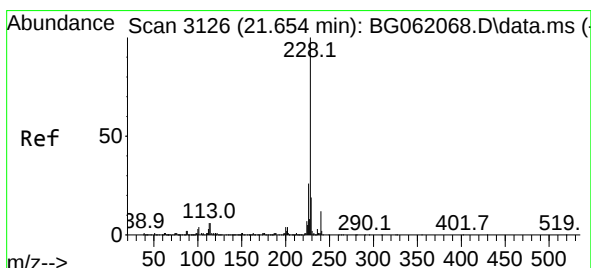
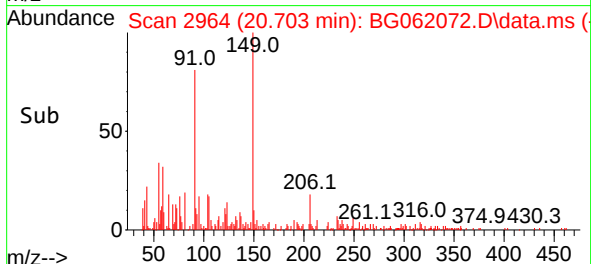
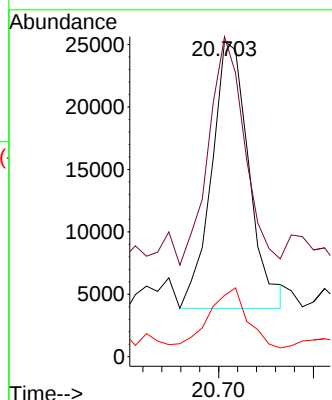
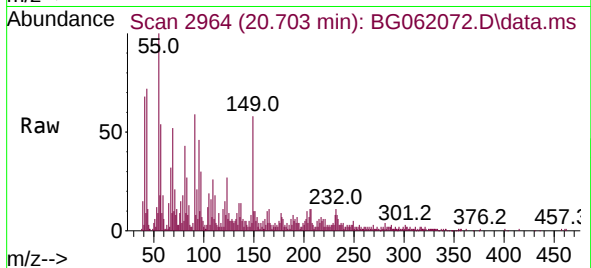
#83
Butylbenzylphthalate
Concen: 3.178 ng/ul
RT: 20.703 min Scan# 2964
Delta R.T. 0.001 min
Lab File: BG062072.D
Acq: 15 Jul 2024 17:20

Instrument :
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ClientSampleId :
A4D52

Tgt Ion:149 Resp: 2922
Ion Ratio Lower Upper
149 100
91 101.4 60.6 91.0
206 19.4 14.6 21.8

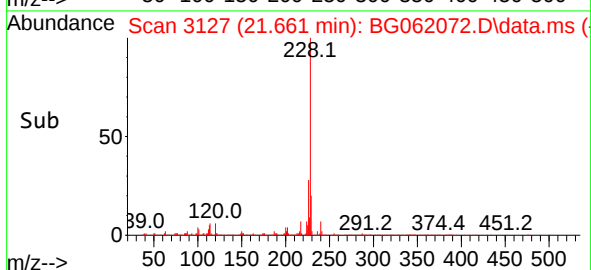
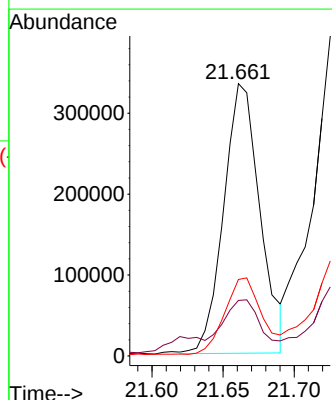
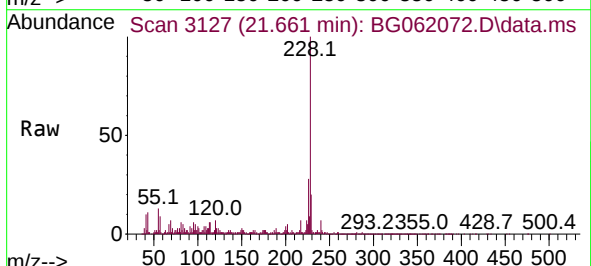
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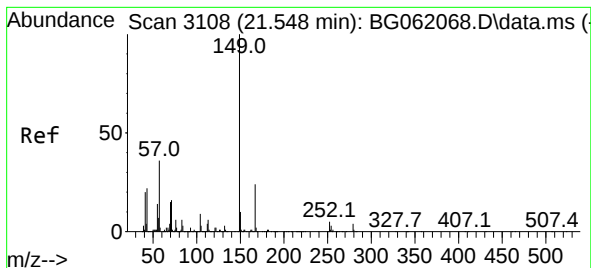
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/20/2024



#85
Benzo(a)anthracene
Concen: 26.888 ng/ul
RT: 21.661 min Scan# 3127
Delta R.T. 0.007 min
Lab File: BG062072.D
Acq: 15 Jul 2024 17:20

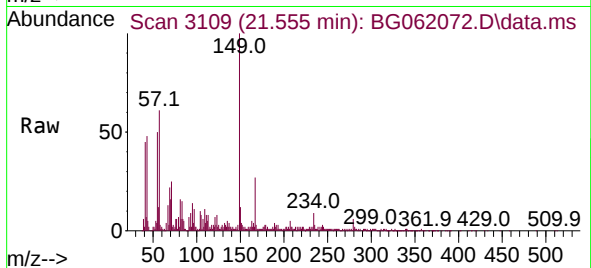
Tgt Ion:228 Resp: 593291
Ion Ratio Lower Upper
228 100
229 20.4 15.7 23.5
226 28.1 21.7 32.5





#86
Bis(2-ethylhexyl)phthalate
Concen: 13.354 ng/ul
RT: 21.555 min Scan# 3109
Delta R.T. 0.001 min
Lab File: BG062072.D
Acq: 15 Jul 2024 17:20

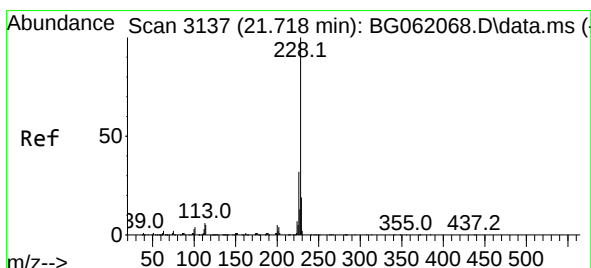
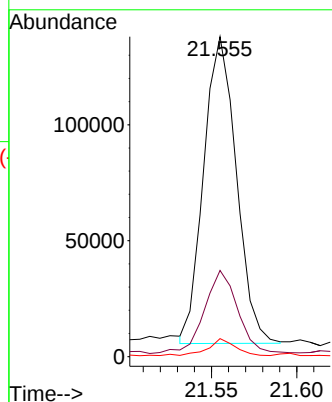
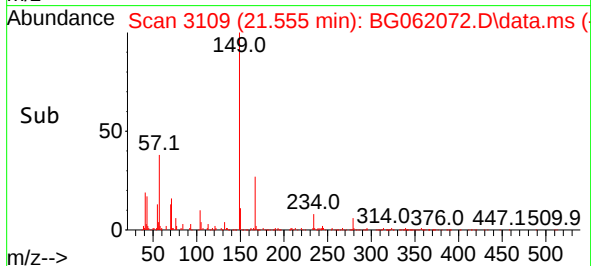
Instrument :
BNA_G
ClientSampleId :
A4D52



Tgt Ion:149 Resp: 17623
Ion Ratio Lower Upper
149 100
167 26.9 21.7 32.5
279 5.6 2.8 4.2

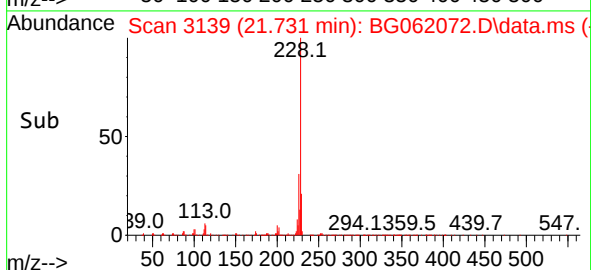
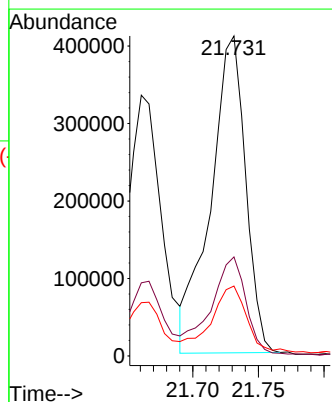
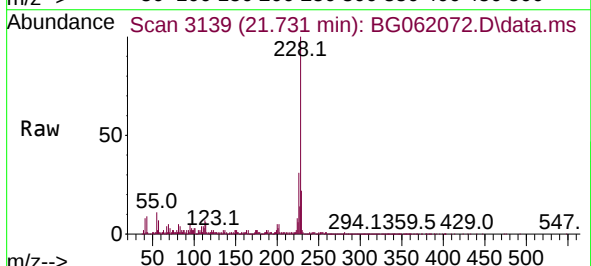
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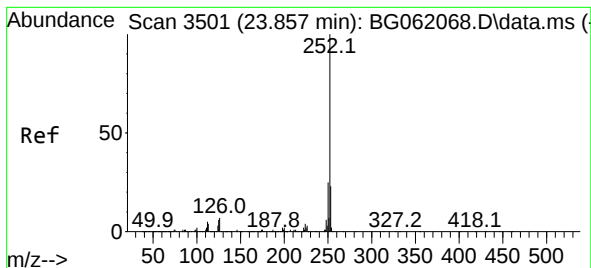
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/20/2024



#87
Chrysene
Concen: 36.751 ng/ul
RT: 21.731 min Scan# 3139
Delta R.T. 0.007 min
Lab File: BG062072.D
Acq: 15 Jul 2024 17:20

Tgt Ion:228 Resp: 759138
Ion Ratio Lower Upper
228 100
226 31.0 23.3 34.9
229 21.9 15.5 23.3





#90

Benzo(b)fluoranthene

Concen: 50.351 ng/ul

RT: 23.888 min Scan# 3506

Delta R.T. 0.030 min

Lab File: BG062072.D

Acq: 15 Jul 2024 17:20

Instrument :

BNL_G

ClientSampleId :

A4D52

Tgt Ion:252 Resp: 1177289

Ion Ratio Lower Upper

252 100

253 23.8 17.2 25.8

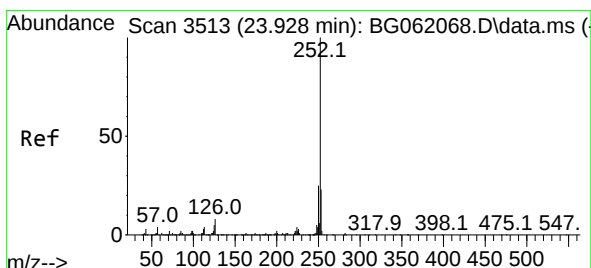
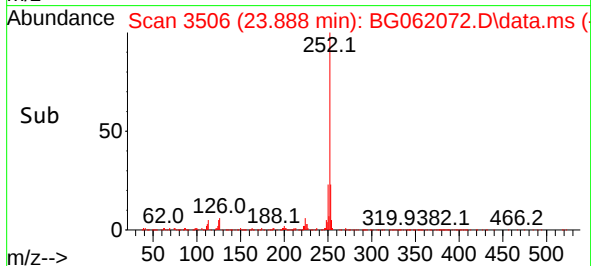
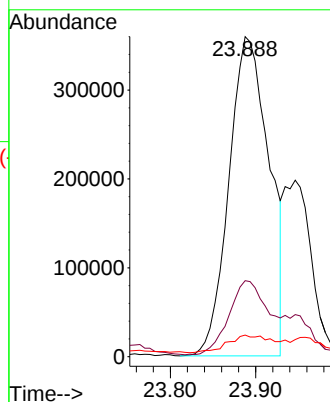
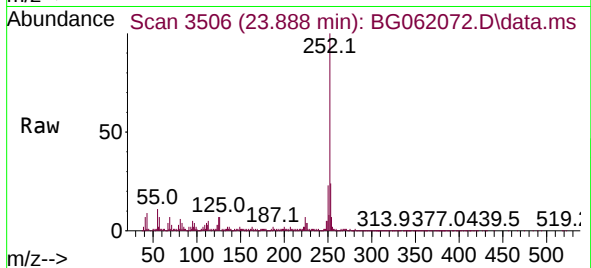
125 6.7 6.1 9.1

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: 19.262 ng/ul m

RT: 23.946 min Scan# 3516

Delta R.T. 0.024 min

Lab File: BG062072.D

Acq: 15 Jul 2024 17:20

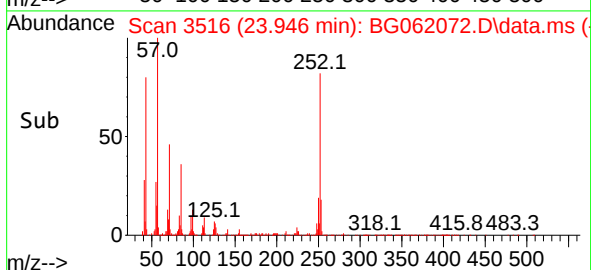
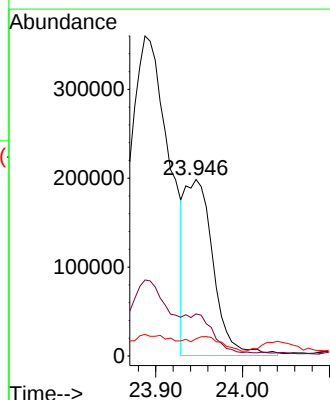
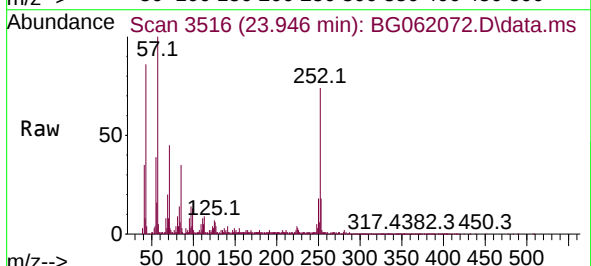
Tgt Ion:252 Resp: 449117

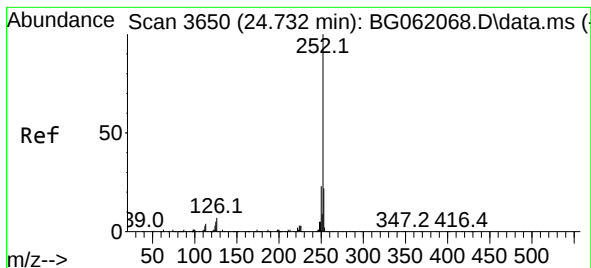
Ion Ratio Lower Upper

252 100

253 23.9 19.3 28.9

125 9.7 6.3 9.5#





#93

Benzo(a)pyrene

Concen: 17.017 ng/ul

RT: 24.757 min Scan# 30

Delta R.T. 0.030 min

Lab File: BG062072.D

Acq: 15 Jul 2024 17:20

Instrument :

BNA_G

ClientSampleId :

A4D52

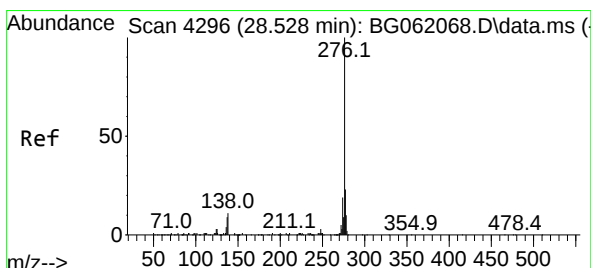
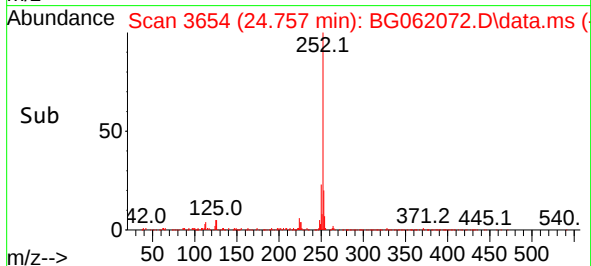
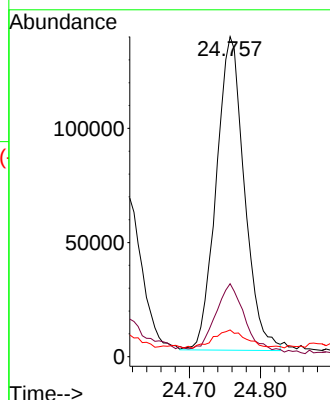
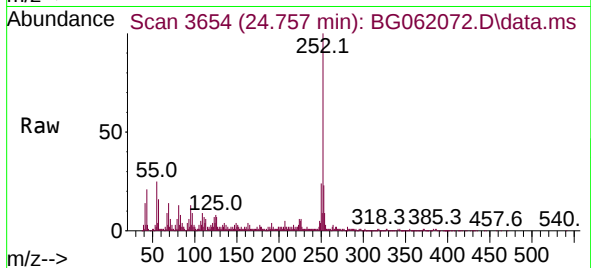
Tgt Ion:	252	Resp:	37676
Ion Ratio	Lower	Upper	
252	100		
253	22.8	16.5	24.7
125	8.4	7.4	11.2

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: 13.434 ng/ul m

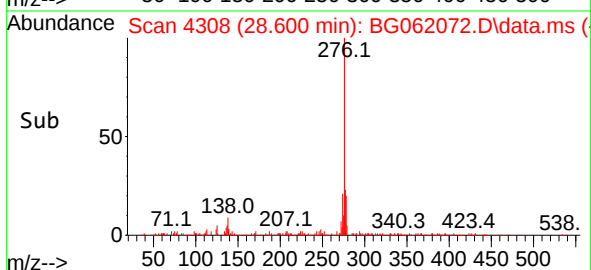
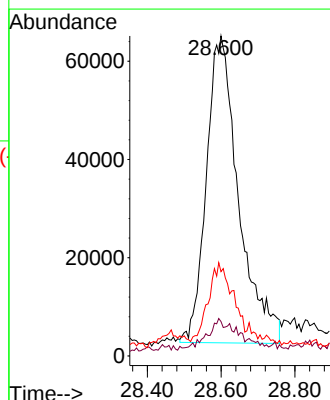
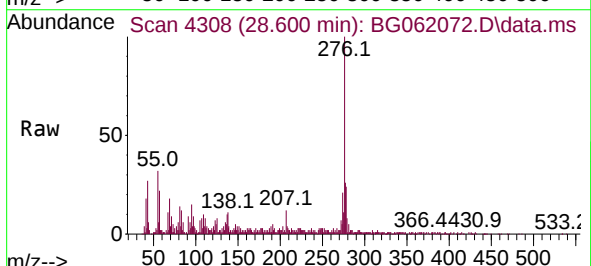
RT: 28.600 min Scan# 4308

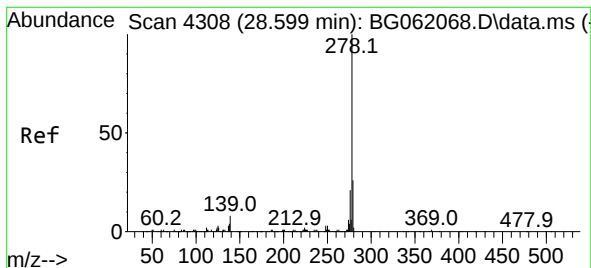
Delta R.T. 0.065 min

Lab File: BG062072.D

Acq: 15 Jul 2024 17:20

Tgt Ion:	276	Resp:	380094
Ion Ratio	Lower	Upper	
276	100		
138	10.7	11.9	17.9#
277	26.4	19.3	28.9





#95

Dibenzo(a,h)anthracene

Concen: 5.506 ng/ul m

RT: 28.647 min Scan# 4

Delta R.T. 0.054 min

Lab File: BG062072.D

Acq: 15 Jul 2024 17:20

Instrument :

BNL_G

ClientSampleId :

A4D52

Tgt Ion:278 Resp: 12867

Ion Ratio Lower Upper

278 100

139 13.4 7.6 11.4

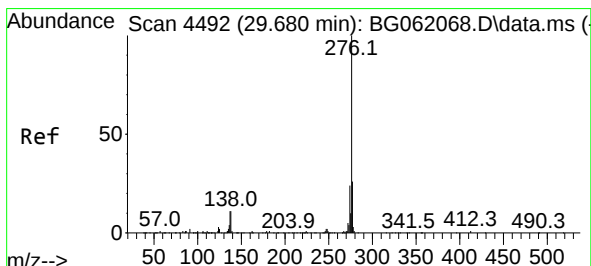
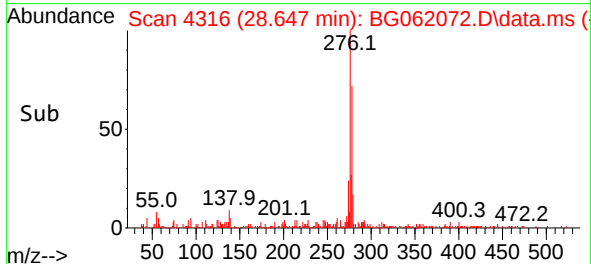
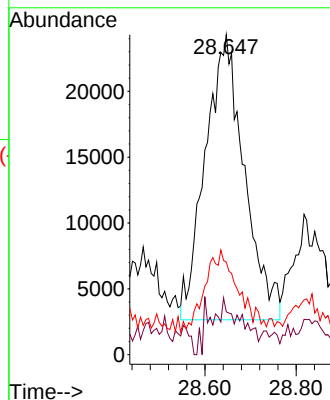
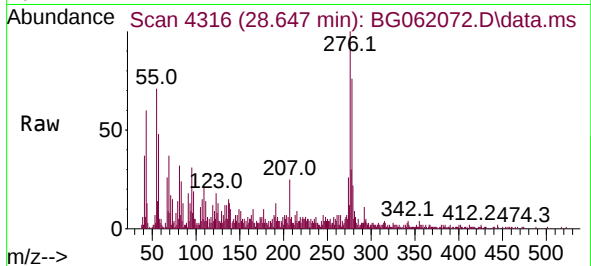
279 28.9 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/18/2024

Supervised By :mohammad ahmed 07/20/2024



#96

Benzo(g,h,i)perylene

Concen: 2.282 ng/ul m

RT: 29.757 min Scan# 4505

Delta R.T. 0.089 min

Lab File: BG062072.D

Acq: 15 Jul 2024 17:20

Tgt Ion:276 Resp: 51356

Ion Ratio Lower Upper

276 100

138 26.9 11.1 16.7#

277 33.5 18.8 28.2#

