

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
 Data File : BG062071.D
 Acq On : 15 Jul 2024 16:38
 Operator : MA/JU
 Sample : P3100-23
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4D51

Manual Integrations
 APPROVED

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

Quant Time: Jul 16 02:52:44 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	8.042	152	43962	20.000	ng/u1	0.00
20) Naphthalene-d8	10.850	136	206420	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.669	164	145967	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.413	188	329973	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.679	240	305564	20.000	ng/u1	0.00
88) Perylene-d12	24.887	264	371120	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.435	96	2981m	2.548	ng/uL	0.00
4) Pyridine-d5	3.864	84	16565	4.605	ng/u1	0.00
7) Phenol-d5	7.202	99	89410	18.584	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.360	67	41537	13.634	ng/u1	0.00
11) 2-Chlorophenol-d4	7.572	132	60985	18.480	ng/u1	0.00
15) 4-Methylphenol-d8	8.747	113	73571	19.422	ng/u1	0.00
21) Nitrobenzene-d5	9.211	128	31315	19.947	ng/u1	0.00
24) 2-Nitrophenol-d4	9.928	143	38858	21.675	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.468	165	82579	23.881	ng/u1	0.00
31) 4-Chloroaniline-d4	10.985	131	3473m	0.692	ng/u1	0.00
46) Dimethylphthalate-d6	14.070	166	287119	23.926	ng/u1	0.00
49) Acenaphthylene-d8	14.364	160	302000	24.067	ng/u1	0.00
54) 4-Nitrophenol-d4	14.881	143	38792	20.242	ng/u1	0.00
60) Fluorene-d10	15.662	176	244978	24.249	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.780	200	36239	20.912	ng/u1	0.00
73) Anthracene-d10	17.513	188	407111	26.426	ng/u1	0.00
81) Pyrene-d10	19.799	212	372710	20.737	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.663	264	329003	17.875	ng/u1	0.00
Target Compounds					Qvalue	
52) Acenaphthene	14.728	153	17436	1.833	ng/u1	93
56) Dibenzofuran	15.063	168	29098	2.165	ng/u1	90
61) Fluorene	15.715	166	63900	5.590	ng/u1	92
72) Phenanthrene	17.460	178	807195	46.394	ng/u1	100
74) Anthracene	17.548	178	175920	9.784	ng/u1	99
77) Carbazole	17.819	167	34010	2.248	ng/u1	94
80) Fluoranthene	19.470	202	1356185m	63.760	ng/u1	
82) Pyrene	19.828	202	808226	36.786	ng/u1#	92
85) Benzo(a)anthracene	21.655	228	660172	29.840	ng/u1	99
87) Chrysene	21.720	228	569239	27.485	ng/u1	96
90) Benzo(b)fluoranthene	23.870	252	816006m	34.899	ng/u1	
91) Benzo(k)fluoranthene	23.929	252	233496	10.014	ng/u1	99
93) Benzo(a)pyrene	24.740	252	362567m	16.375	ng/u1	
94) Indeno(1,2,3-cd)pyrene	28.547	276	275924	9.752	ng/u1	96
95) Dibenzo(a,h)anthracene	28.594	278	116281m	4.976	ng/u1	
96) Benzo(g,h,i)perylene	29.693	276	179414m	7.970	ng/u1	

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

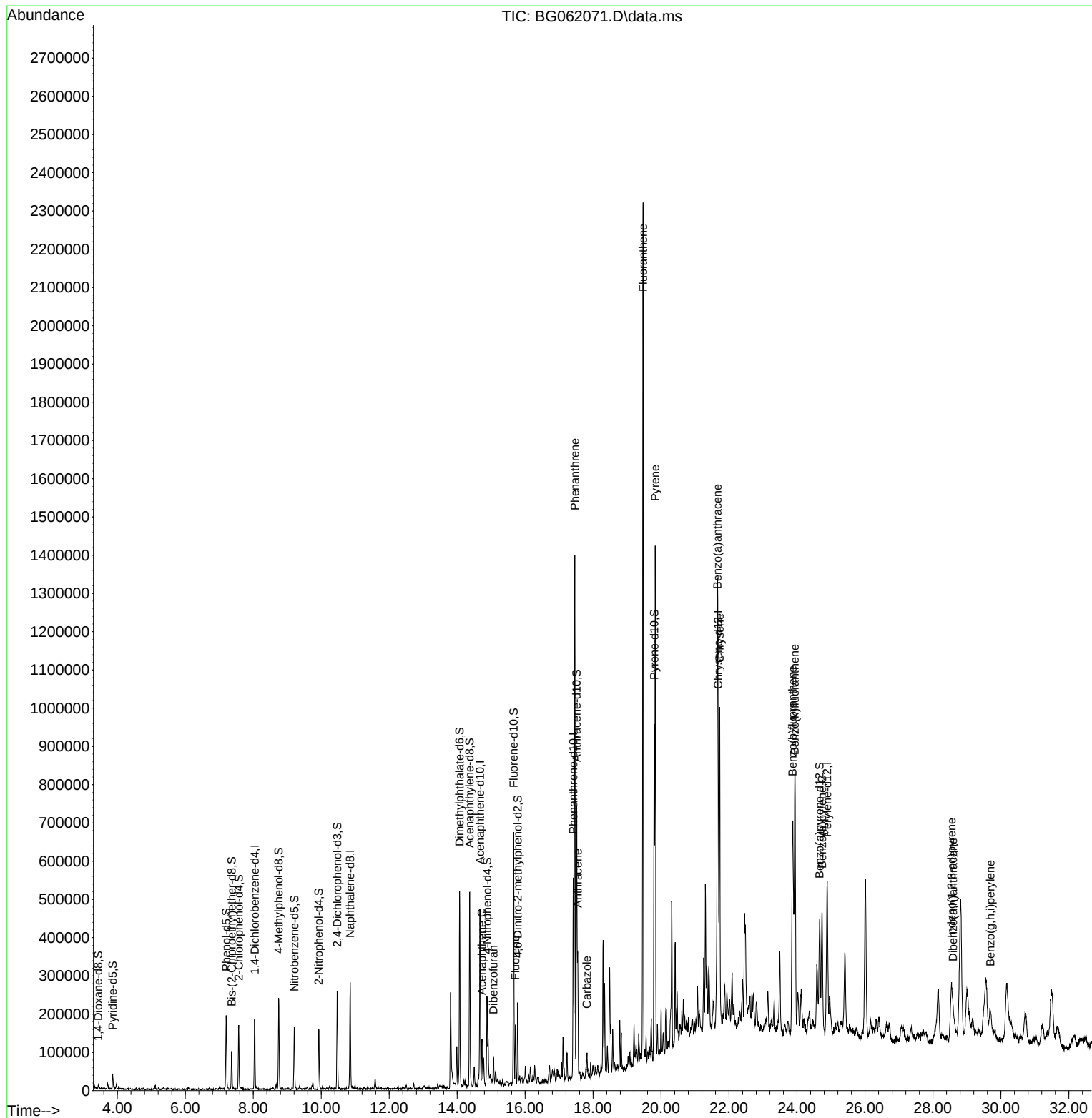
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062071.D
Acq On : 15 Jul 2024 16:38
Operator : MA/JU
Sample : P3100-23
Misc :
ALS Vial : 5 Sample Multiplier: 1

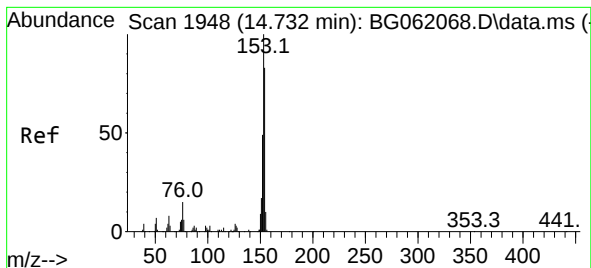
Instrument :
BNA_G
ClientSampleId :
A4D51

Quant Time: Jul 16 02:52:44 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

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





#52

Acenaphthene

Concen: 1.833 ng/ul

RT: 14.728 min Scan# 1947

Delta R.T. -0.011 min

Lab File: BG062071.D

Acq: 15 Jul 2024 16:38

Instrument :

BNA_G

ClientSampleId :

A4D51

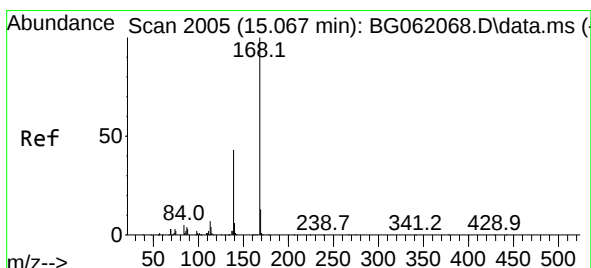
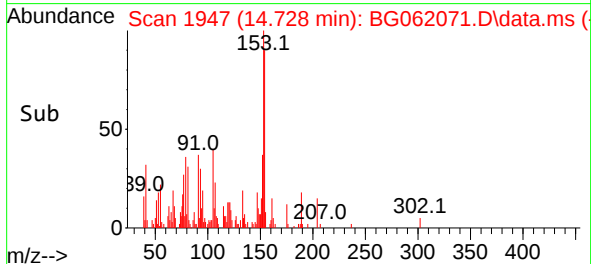
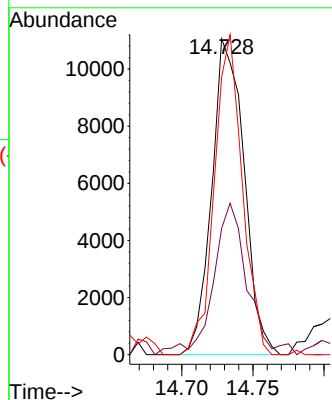
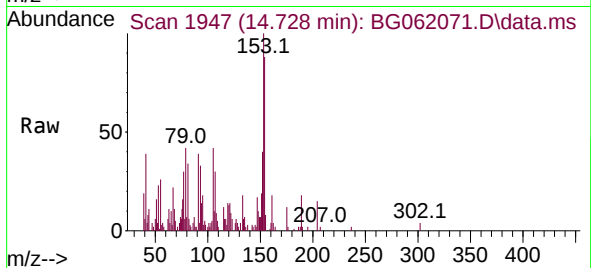
Tgt Ion:153 Resp: 17430
Ion Ratio Lower Upper
153 100
152 40.0 37.2 55.8
154 87.9 75.0 112.6

Manual Integrations

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Reviewed By :Yogesh Patel 07/16/2024

Supervised By :mohammad ahmed 07/20/2024



#56

Dibenzofuran

Concen: 2.165 ng/ul

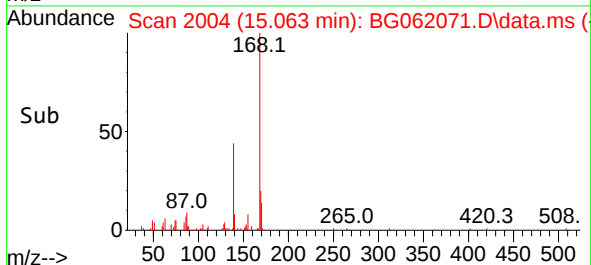
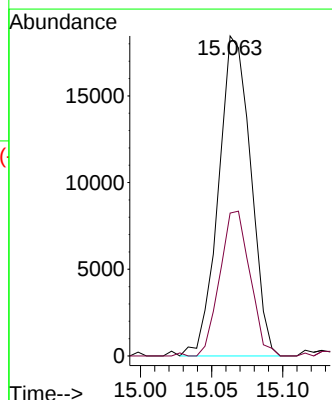
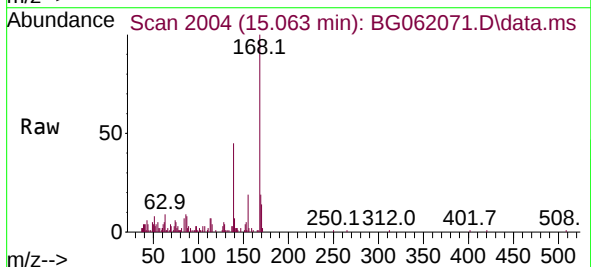
RT: 15.063 min Scan# 2004

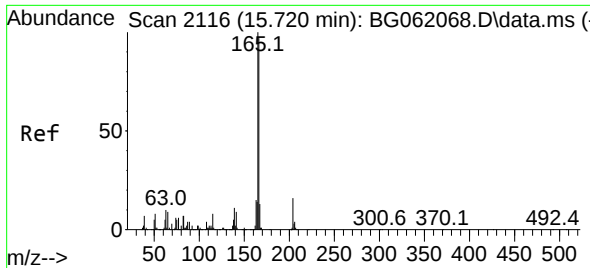
Delta R.T. -0.005 min

Lab File: BG062071.D

Acq: 15 Jul 2024 16:38

Tgt Ion:168 Resp: 29098
Ion Ratio Lower Upper
168 100
139 44.7 31.0 46.4





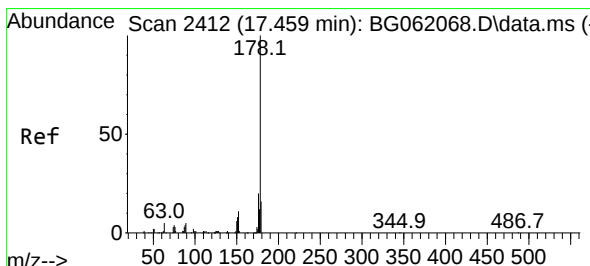
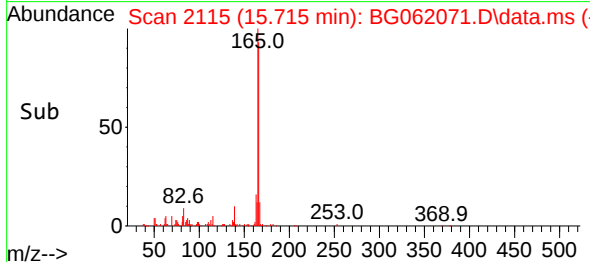
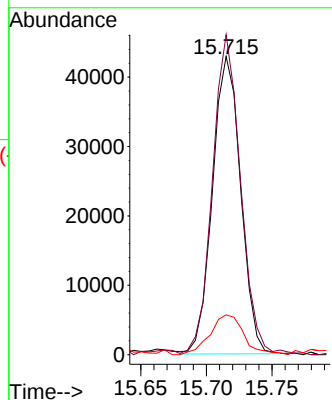
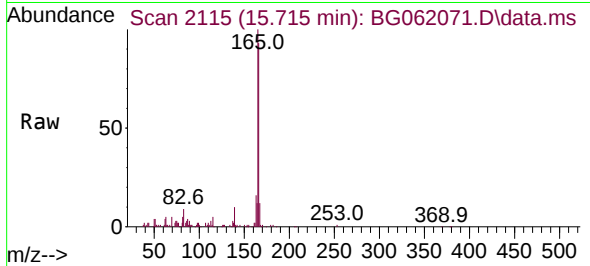
#61
Fluorene
Concen: 5.590 ng/ul
RT: 15.715 min Scan# 2116
Delta R.T. -0.005 min
Lab File: BG062071.D
Acq: 15 Jul 2024 16:38

Instrument :
BNA_G
ClientSampleId :
A4D51

Tgt Ion:166 Resp: 63900
Ion Ratio Lower Upper
166 100
165 107.3 78.4 117.6
167 13.3 10.4 15.6

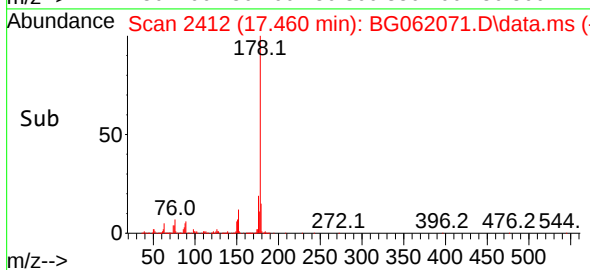
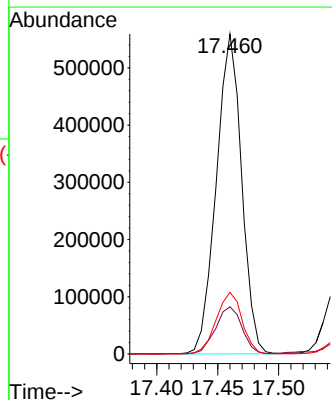
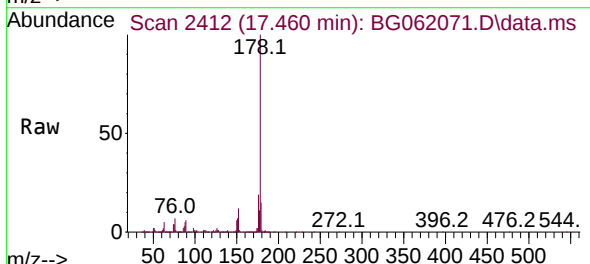
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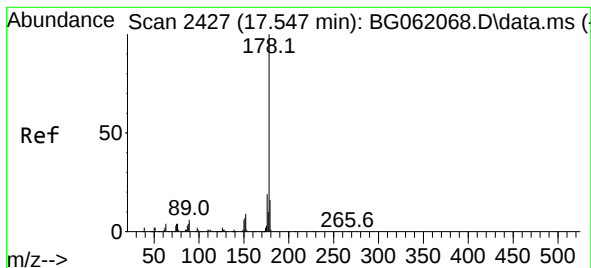
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/20/2024



#72
Phenanthrene
Concen: 46.394 ng/ul
RT: 17.460 min Scan# 2412
Delta R.T. 0.001 min
Lab File: BG062071.D
Acq: 15 Jul 2024 16:38

Tgt Ion:178 Resp: 807195
Ion Ratio Lower Upper
178 100
179 14.8 11.9 17.9
176 19.3 15.5 23.3





#74

Anthracene

Concen: 9.784 ng/ul

RT: 17.548 min Scan# 2427

Delta R.T. -0.005 min

Lab File: BG062071.D

Acq: 15 Jul 2024 16:38

Instrument :

BNL_G

ClientSampleId :

A4D51

Tgt Ion:178 Resp: 175920

Ion Ratio Lower Upper

178 100

179 14.5 11.9 17.9

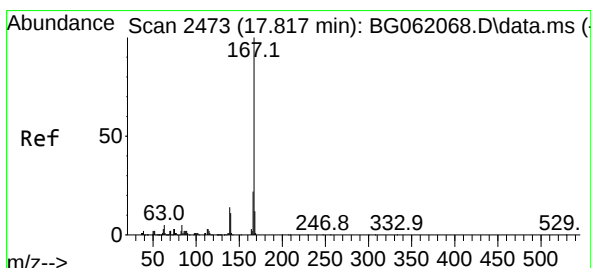
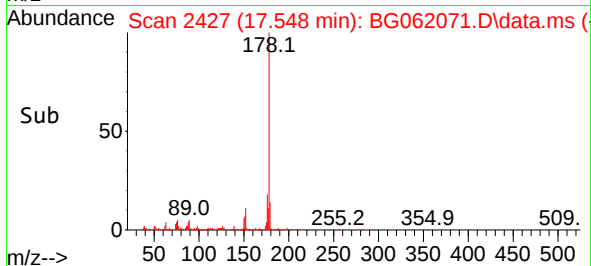
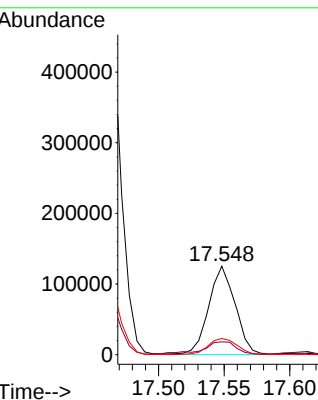
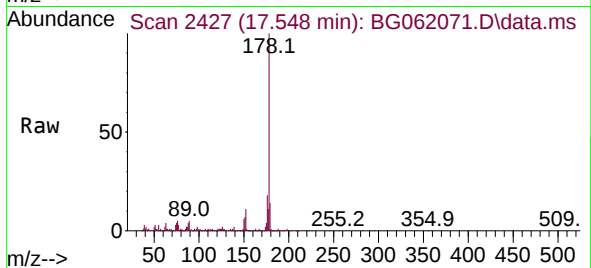
176 18.2 14.7 22.1

Manual Integrations

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Reviewed By :Yogesh Patel 07/16/2024

Supervised By :mohammad ahmed 07/20/2024



#77

Carbazole

Concen: 2.248 ng/ul

RT: 17.819 min Scan# 2473

Delta R.T. 0.001 min

Lab File: BG062071.D

Acq: 15 Jul 2024 16:38

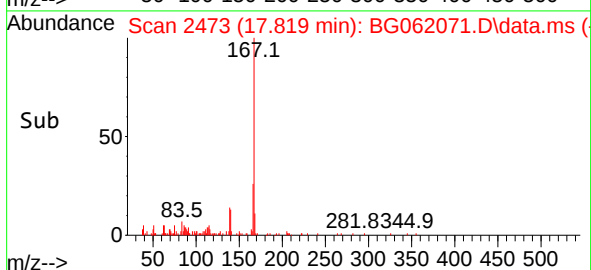
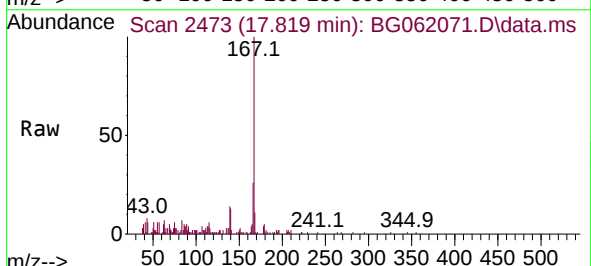
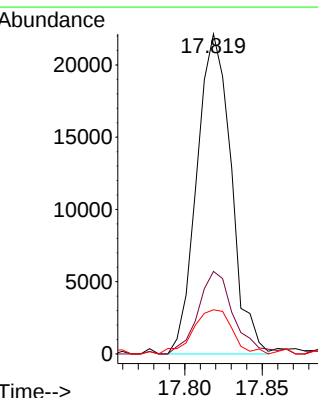
Tgt Ion:167 Resp: 34010

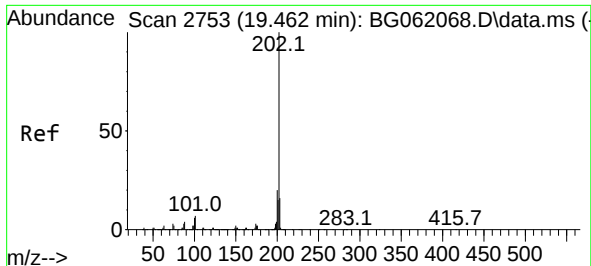
Ion Ratio Lower Upper

167 100

166 25.8 18.2 27.2

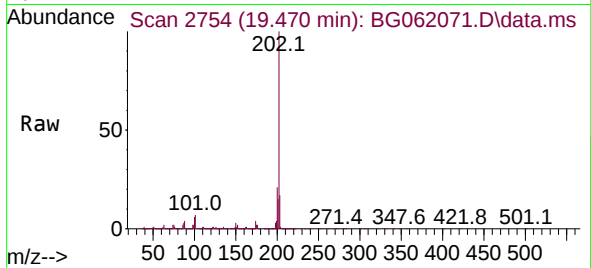
139 13.8 9.6 14.4





#80
Fluoranthene
Concen: 63.760 ng/ul m
RT: 19.470 min Scan# 2753
Delta R.T. 0.007 min
Lab File: BG062071.D
Acq: 15 Jul 2024 16:38

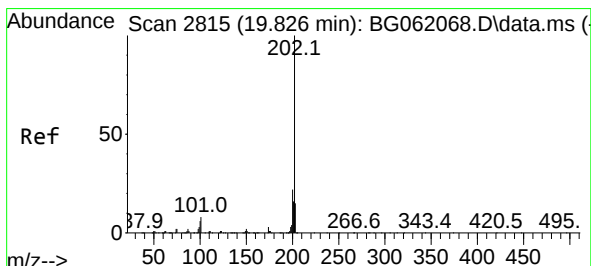
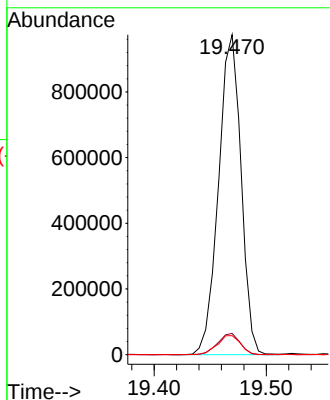
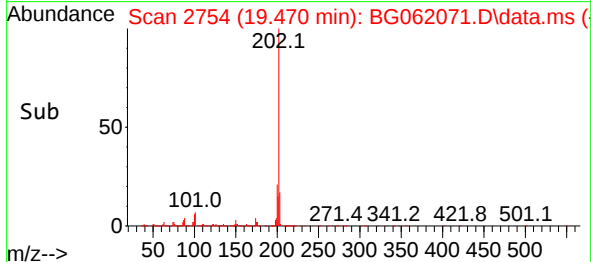
Instrument :
BNA_G
ClientSampleId :
A4D51



Tgt Ion:202 Resp: 135618
Ion Ratio Lower Upper
202 100
101 6.7 7.4 11.2
100 6.0 6.6 10.0

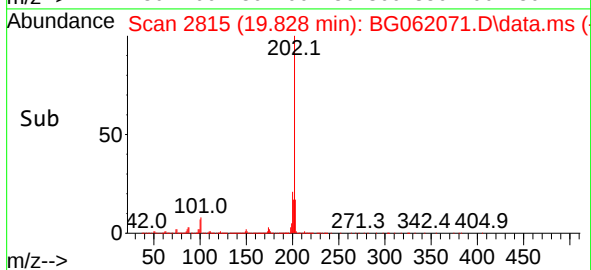
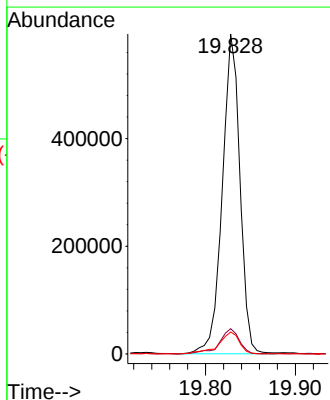
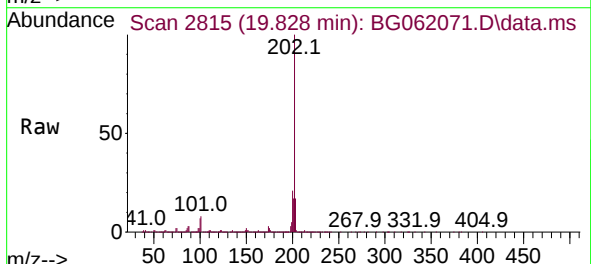
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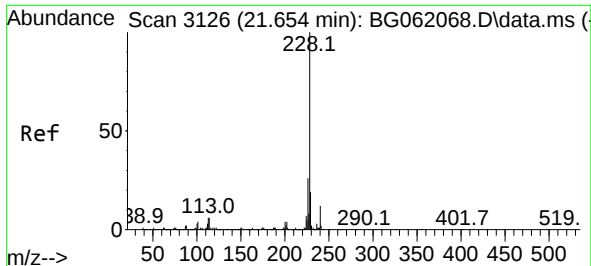
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/20/2024



#82
Pyrene
Concen: 36.786 ng/ul
RT: 19.828 min Scan# 2815
Delta R.T. 0.001 min
Lab File: BG062071.D
Acq: 15 Jul 2024 16:38

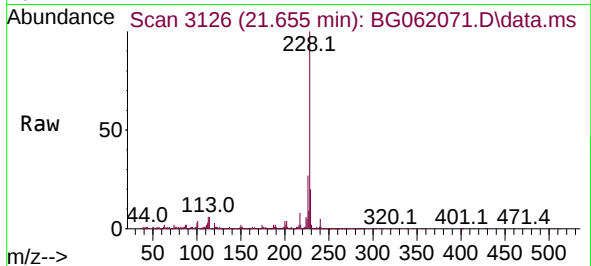
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Ion Ratio Lower Upper
202 100
101 7.9 8.8 13.2#
100 6.9 7.6 11.4#





#85
Benzo(a)anthracene
Concen: 29.840 ng/u1
RT: 21.655 min Scan# 3126
Delta R.T. 0.001 min
Lab File: BG062071.D
Acq: 15 Jul 2024 16:38

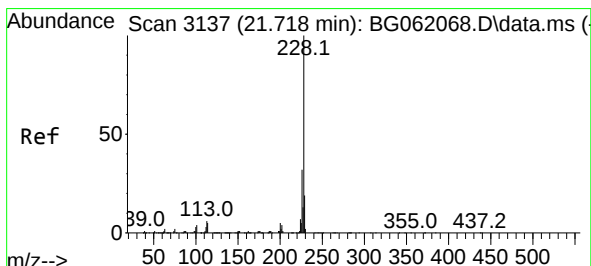
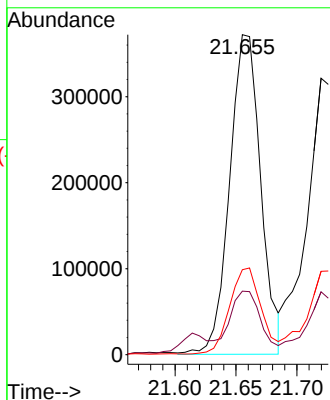
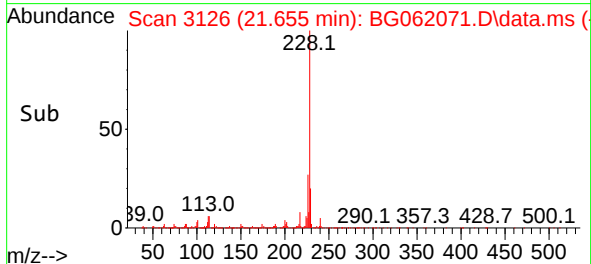
Instrument :
BNA_G
ClientSampleId :
A4D51



Tgt Ion:228 Resp: 660172
Ion Ratio Lower Upper
228 100
229 19.9 15.7 23.5
226 26.6 21.7 32.5

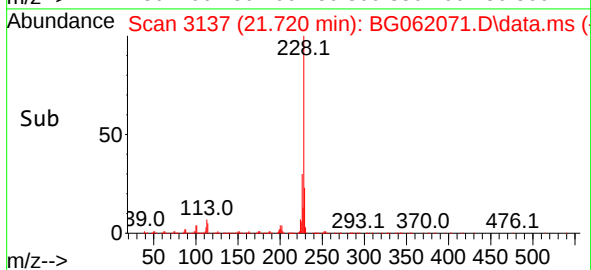
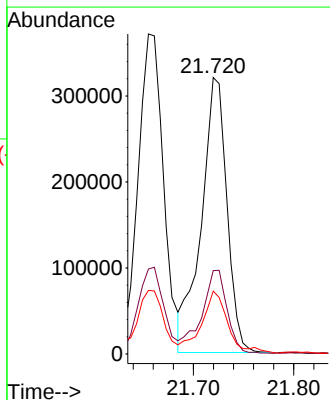
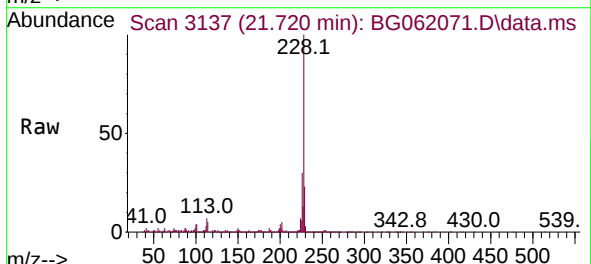
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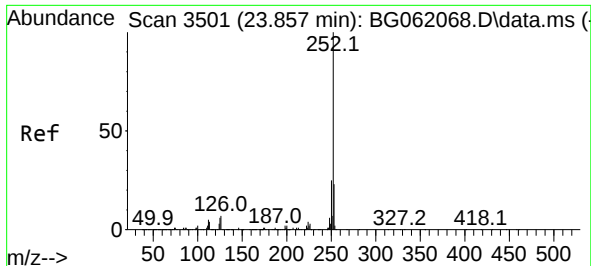
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/20/2024



#87
Chrysene
Concen: 27.485 ng/u1
RT: 21.720 min Scan# 3137
Delta R.T. -0.005 min
Lab File: BG062071.D
Acq: 15 Jul 2024 16:38

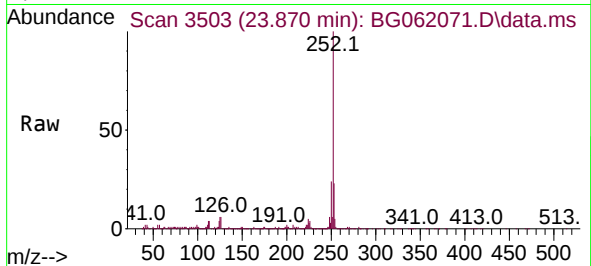
Tgt Ion:228 Resp: 569239
Ion Ratio Lower Upper
228 100
226 30.1 23.3 34.9
229 22.7 15.5 23.3





#90
Benzo(b)fluoranthene
Concen: 34.899 ng/ul m
RT: 23.870 min Scan# 3503
Delta R.T. 0.013 min
Lab File: BG062071.D
Acq: 15 Jul 2024 16:38

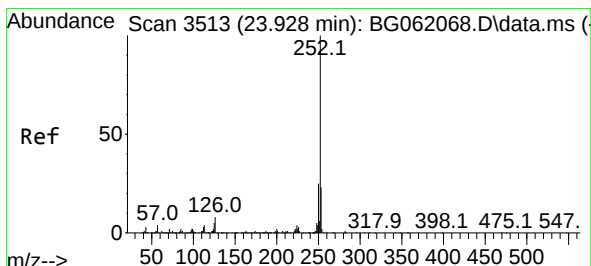
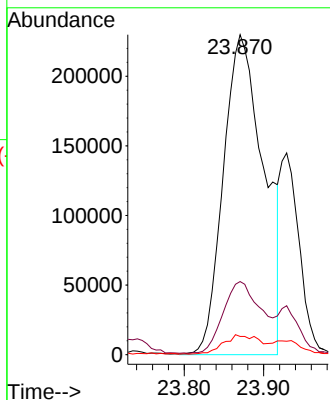
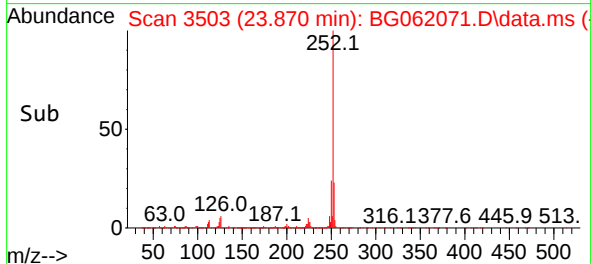
Instrument :
BNA_G
ClientSampleId :
A4D51



Tgt Ion:252 Resp: 816000
Ion Ratio Lower Upper
252 100
253 22.8 17.2 25.8
125 5.7 6.1 9.1

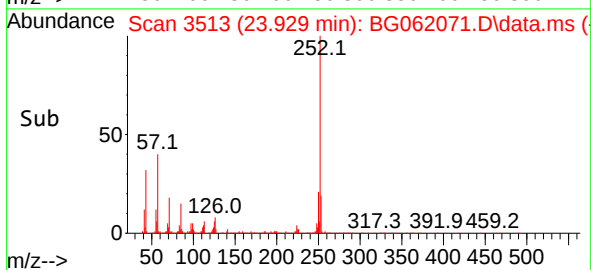
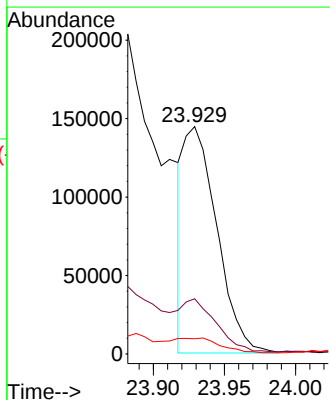
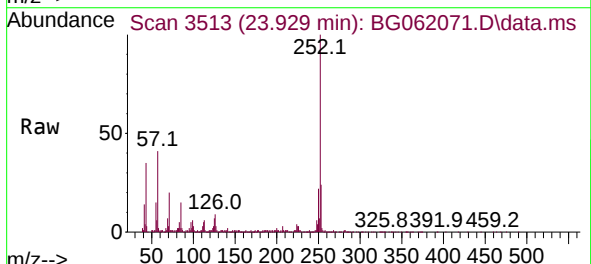
Manual Integrations
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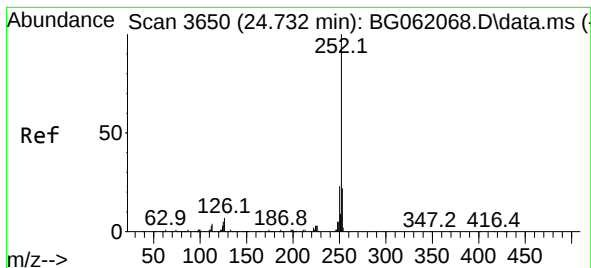
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/20/2024



#91
Benzo(k)fluoranthene
Concen: 10.014 ng/ul
RT: 23.929 min Scan# 3513
Delta R.T. 0.007 min
Lab File: BG062071.D
Acq: 15 Jul 2024 16:38

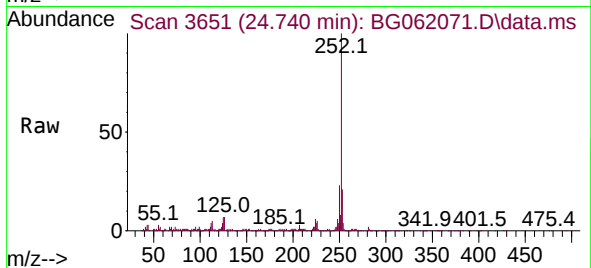
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Ion Ratio Lower Upper
252 100
253 24.3 19.3 28.9
125 6.7 6.3 9.5





#93
Benzo(a)pyrene
Concen: 16.375 ng/ul m
RT: 24.740 min Scan# 3
Delta R.T. 0.013 min
Lab File: BG062071.D
Acq: 15 Jul 2024 16:38

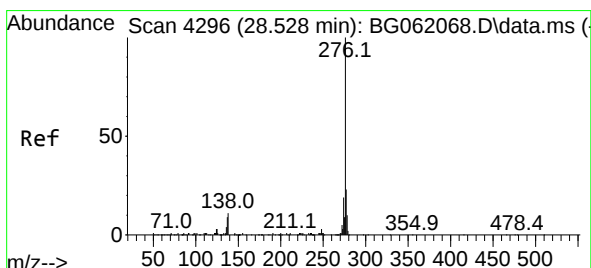
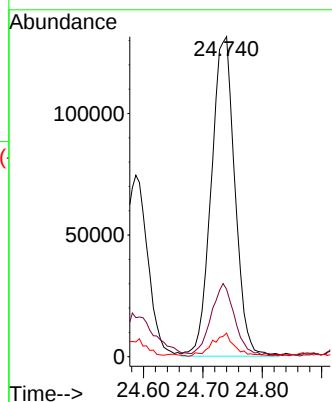
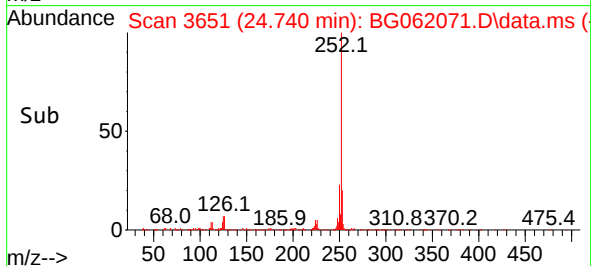
Instrument :
BNA_G
ClientSampleId :
A4D51



Tgt Ion:252 Resp: 36256
Ion Ratio Lower Upper
252 100
253 21.1 16.5 24.7
125 7.4 7.4 11.2

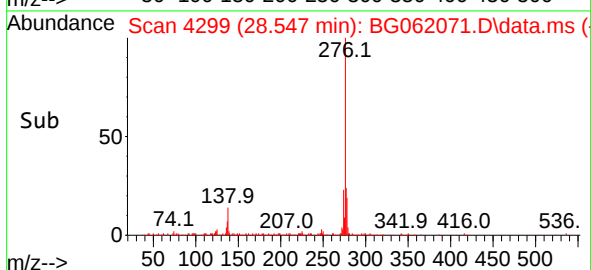
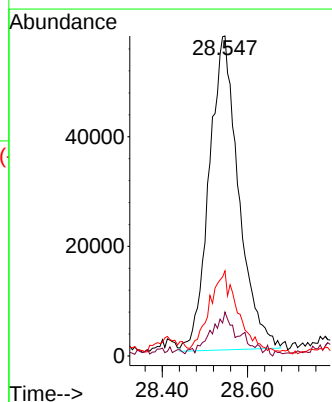
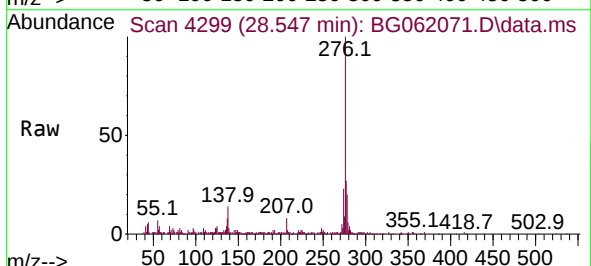
Manual Integrations
APPROVED

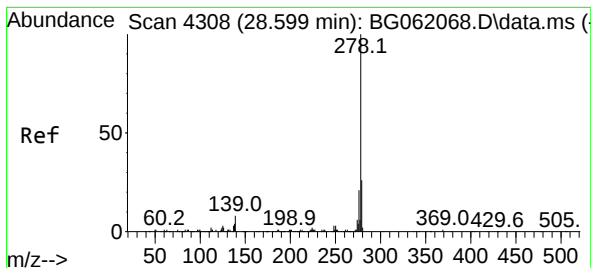
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/20/2024



#94
Indeno(1,2,3-cd)pyrene
Concen: 9.752 ng/ul
RT: 28.547 min Scan# 4299
Delta R.T. 0.013 min
Lab File: BG062071.D
Acq: 15 Jul 2024 16:38

Tgt Ion:276 Resp: 275924
Ion Ratio Lower Upper
276 100
138 13.7 11.9 17.9
277 26.6 19.3 28.9





#95

Dibenzo(a,h)anthracene

Concen: 4.976 ng/ul m

RT: 28.594 min Scan# 4308

Delta R.T. 0.001 min

Lab File: BG062071.D

Acq: 15 Jul 2024 16:38

Instrument :

BNA_G

ClientSampleId :

A4D51

Tgt Ion:278 Resp: 11628

Ion Ratio Lower Upper

278 100

139 6.5 7.6 11.4

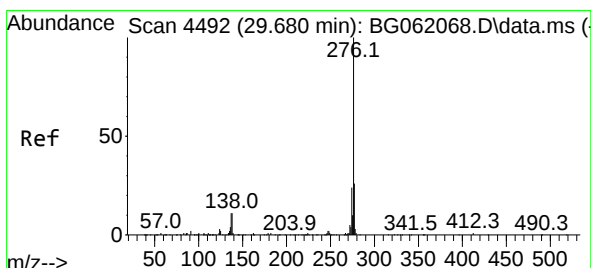
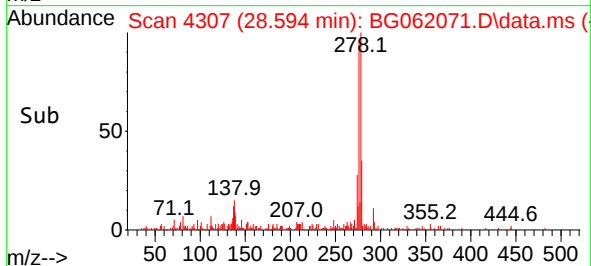
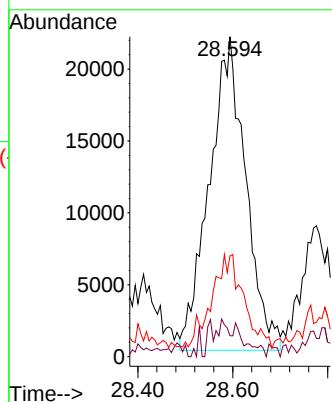
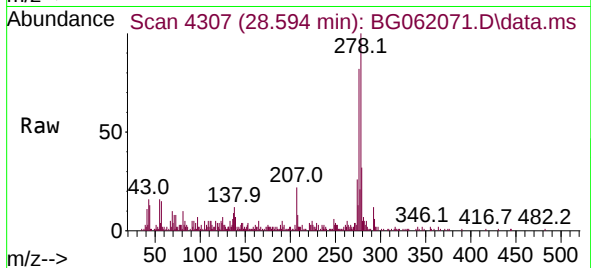
279 31.5 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/16/2024

Supervised By :mohammad ahmed 07/20/2024



#96

Benzo(g,h,i)perylene

Concen: 7.970 ng/ul m

RT: 29.693 min Scan# 4494

Delta R.T. 0.025 min

Lab File: BG062071.D

Acq: 15 Jul 2024 16:38

Tgt Ion:276 Resp: 179414

Ion Ratio Lower Upper

276 100

138 10.8 11.1 16.7

277 23.1 18.8 28.2

