

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012224\
 Data File : BG060386.D
 Acq On : 22 Jan 2024 15:46
 Operator : MA/JU
 Sample : P1203-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11977

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 01/23/2024
 Supervised By :mohammad ahmed 01/24/2024

Quant Time: Jan 22 16:23:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 09 04:07:12 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.929	152	204767	20.000	ng	0.00
21) Naphthalene-d8	10.731	136	832748	20.000	ng	0.00
39) Acenaphthene-d10	14.562	164	644547	20.000	ng	0.00
64) Phenanthrene-d10	17.312	188	1586834	20.000	ng	0.00
76) Chrysene-d12	21.577	240	1470753	20.000	ng	0.00
86) Perylene-d12	24.744	264	1716591	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.502	112	1526033	122.578	ng	0.00
7) Phenol-d6	7.094	99	2227716	120.843	ng	0.00
23) Nitrobenzene-d5	9.086	82	1421724	80.617	ng	0.00
42) 2,4,6-Tribromophenol	16.054	330	1198289	126.360	ng	0.00
45) 2-Fluorobiphenyl	13.187	172	3302019	71.226	ng	0.00
79) Terphenyl-d14	19.932	244	4857535	82.312	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.627	154	685850	19.190	ng	99
55) Dibenzofuran	14.961	168	596490	9.998	ng	98
58) Fluorene	15.614	166	969890	19.631	ng	98
71) Phenanthrene	17.359	178	4778647	62.303	ng	93
72) Anthracene	17.447	178	802267	10.477	ng	94
75) Fluoranthene	19.374	202	5285559	57.374	ng	92
78) Pyrene	19.732	202	4415655	47.014	ng	97
81) Benzo(a)anthracene	21.560	228	1810782	19.888	ng	94
83) Chrysene	21.624	228	1708067	19.074	ng	92
87) Indeno(1,2,3-cd)pyrene	28.340	276	883121	7.399	ng	# 79
88) Benzo(b)fluoranthene	23.739	252	2557386	25.219	ng	97
89) Benzo(k)fluoranthene	23.798	252	931370m	9.307	ng	
90) Benzo(a)pyrene	24.591	252	1363830	14.888	ng	100
91) Dibenzo(a,h)anthracene	28.399	278	278353m	2.856	ng	
92) Benzo(g,h,i)perylene	29.468	276	822975	8.238	ng	99

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

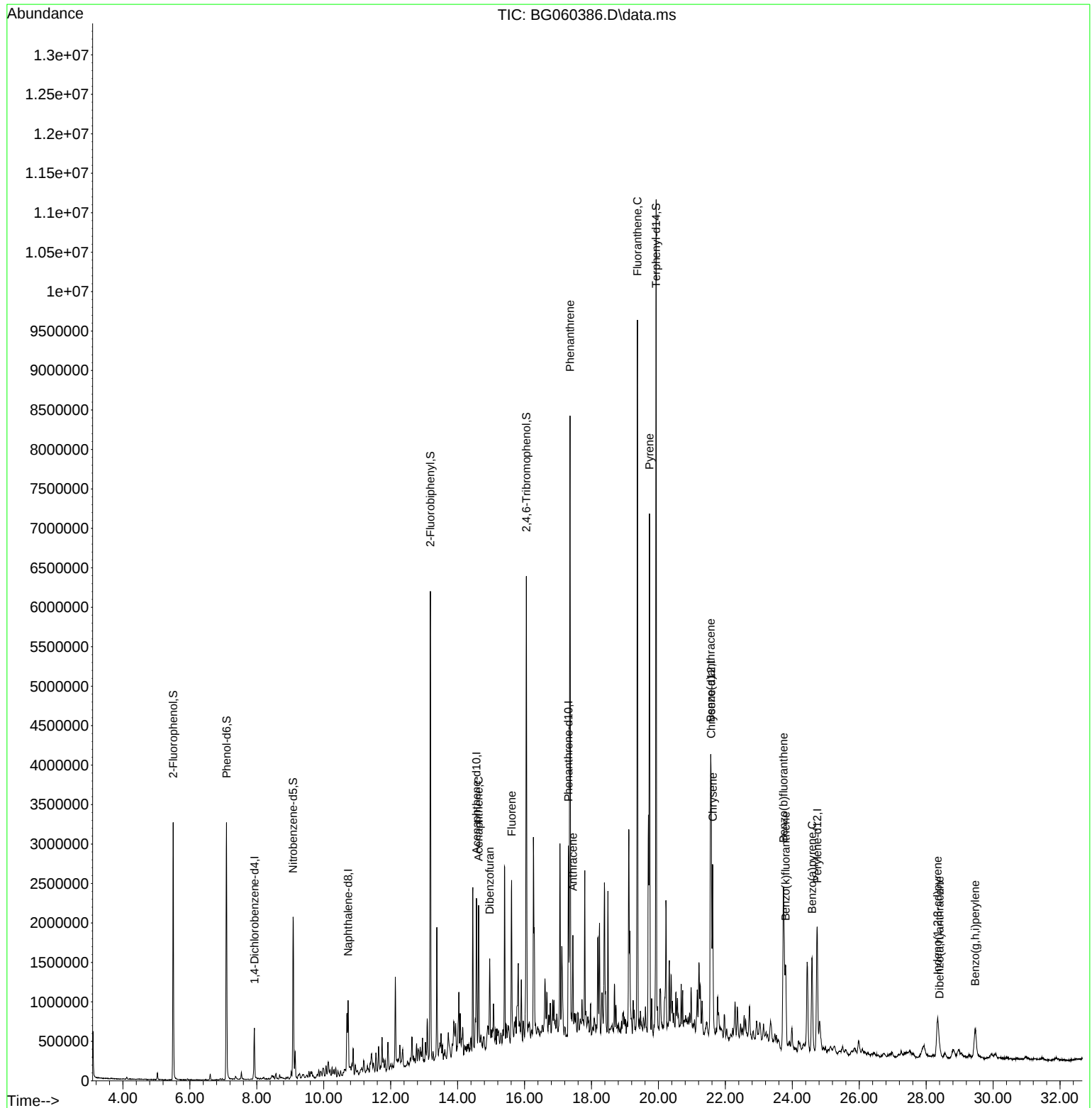
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012224\
Data File : BG060386.D
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ALS Vial : 9 Sample Multiplier: 1

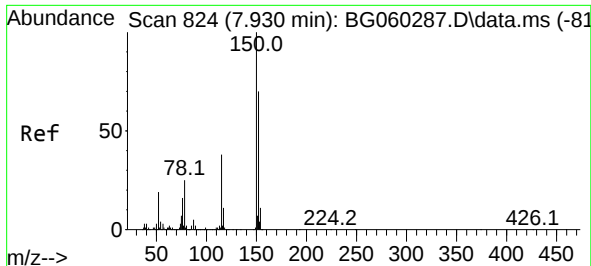
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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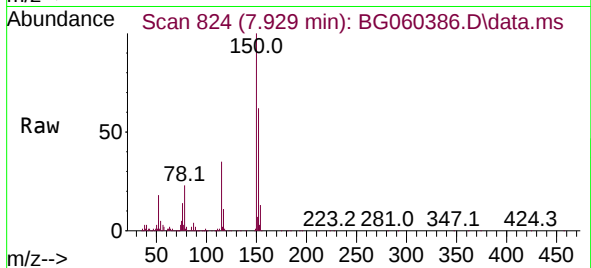
Reviewed By :Jagrut Upadhyay 01/23/2024
Supervised By :mohammad ahmed 01/24/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.929 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46

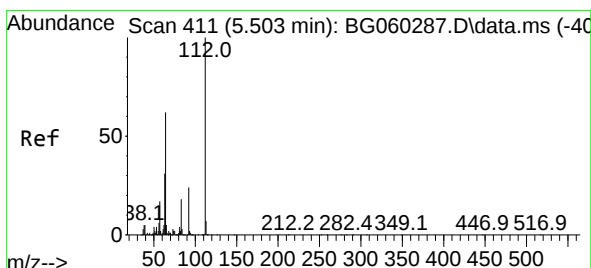
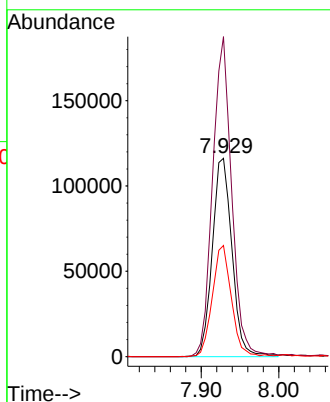
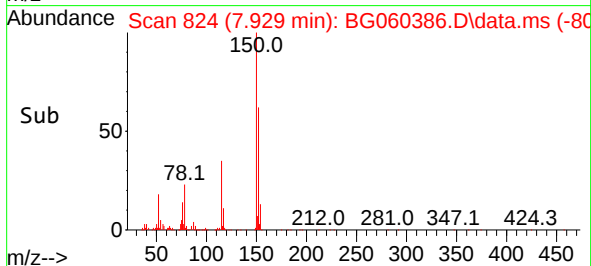
Instrument :
BNA_G
ClientSampleId :
72-11977



Tgt Ion:152 Resp: 204762
Ion Ratio Lower Upper
152 100
150 161.4 114.5 171.7
115 56.0 43.0 64.6

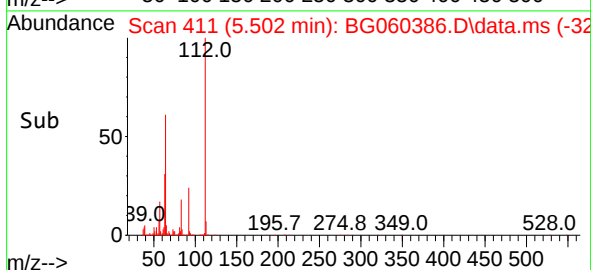
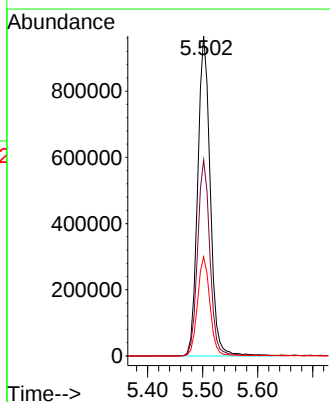
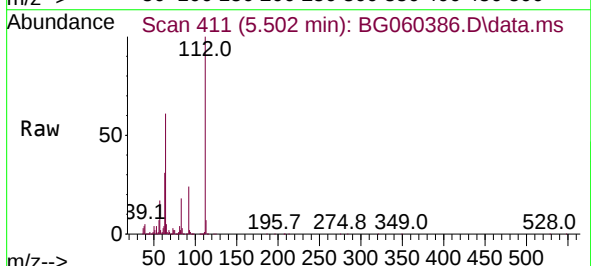
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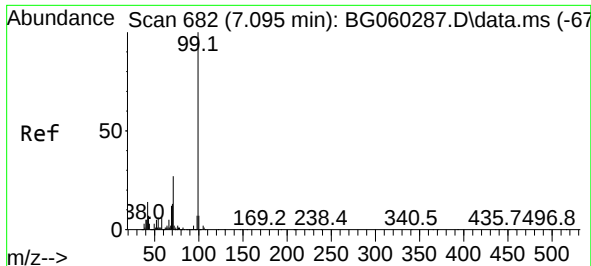
Reviewed By :Jagrut Upadhyay 01/23/2024
Supervised By :mohammad ahmed 01/24/2024



#5
2-Fluorophenol
Concen: 122.578 ng
RT: 5.502 min Scan# 411
Delta R.T. -0.001 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46

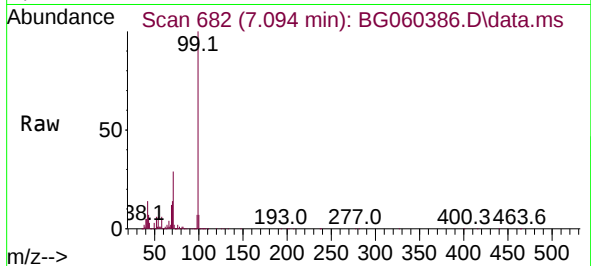
Tgt Ion:112 Resp: 1526033
Ion Ratio Lower Upper
112 100
64 61.2 49.8 74.6
63 31.0 24.4 36.6





#7
Phenol-d6
Concen: 120.843 ng
RT: 7.094 min Scan# 682
Delta R.T. -0.001 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46

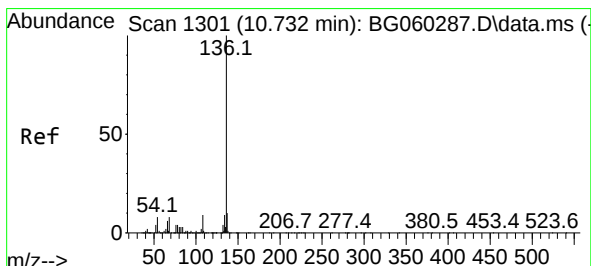
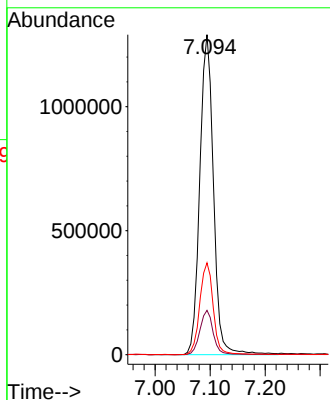
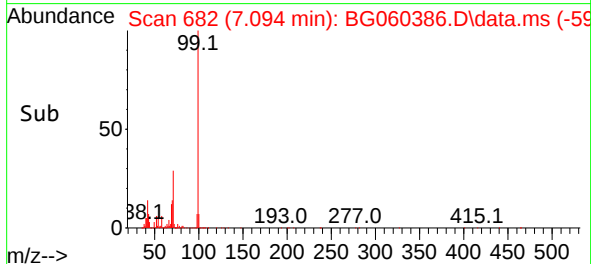
Instrument :
BNA_G
ClientSampleId :
72-11977



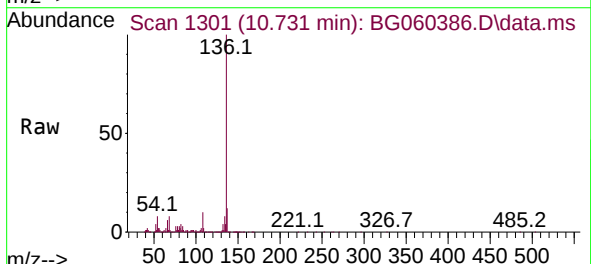
Tgt Ion: 99 Resp: 2227716
Ion Ratio Lower Upper
99 100
42 13.8 10.9 16.3
71 28.7 21.5 32.3

Manual Integrations
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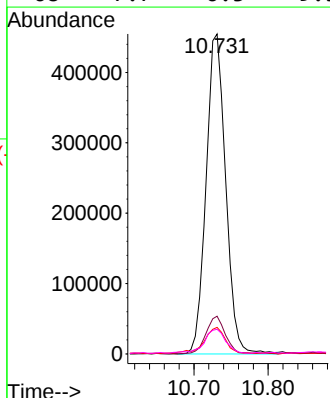
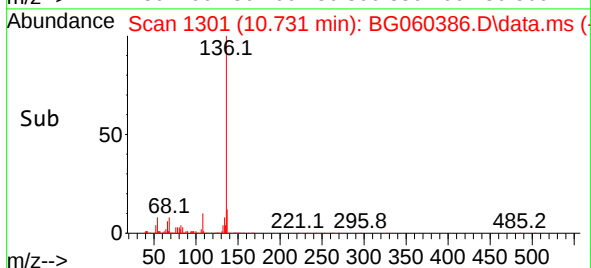
Reviewed By :Jagrut Upadhyay 01/23/2024
Supervised By :mohammad ahmed 01/24/2024

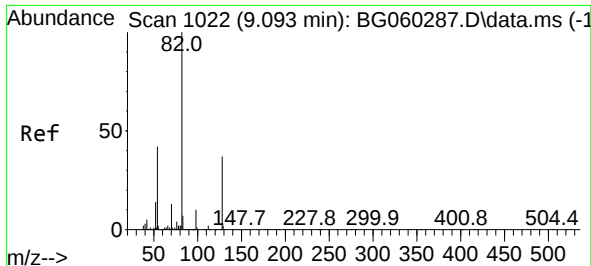


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.731 min Scan# 1301
Delta R.T. -0.001 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46



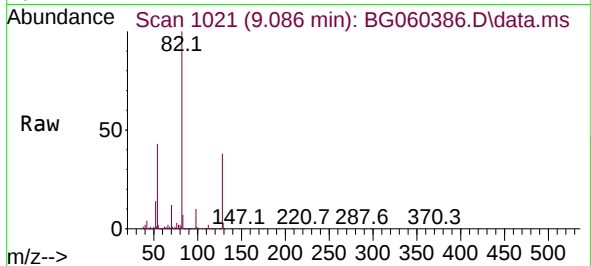
Tgt Ion:136 Resp: 832748
Ion Ratio Lower Upper
136 100
137 11.8 8.2 12.4
54 8.3 6.2 9.2
68 7.7 6.3 9.5





#23
Nitrobenzene-d5
Concen: 80.617 ng
RT: 9.086 min Scan# 1021
Delta R.T. -0.007 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46

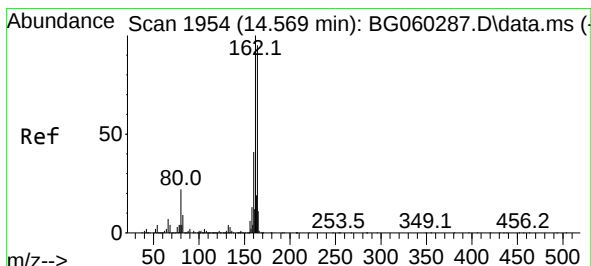
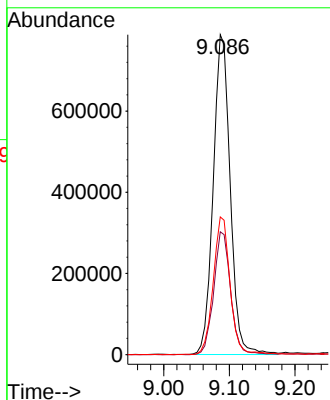
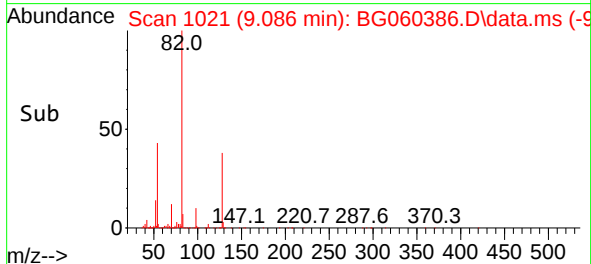
Instrument :
BNA_G
ClientSampleId :
72-11977



Tgt Ion: 82 Resp: 1421724
Ion Ratio Lower Upper
82 100
128 38.4 29.6 44.4
54 43.0 33.6 50.4

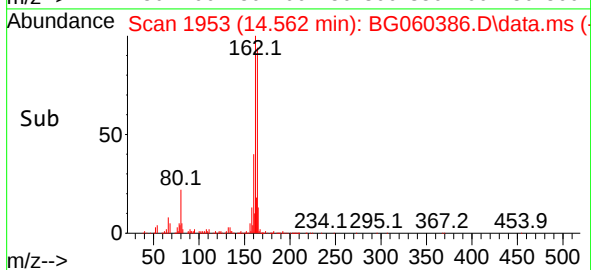
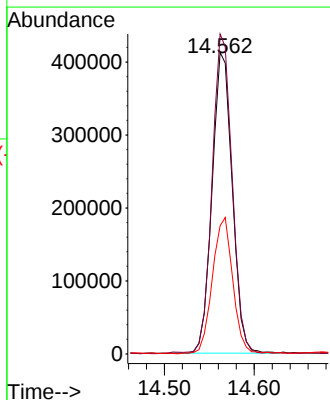
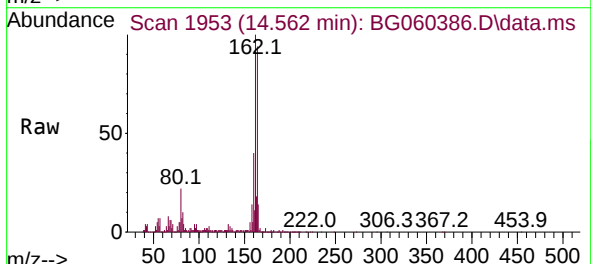
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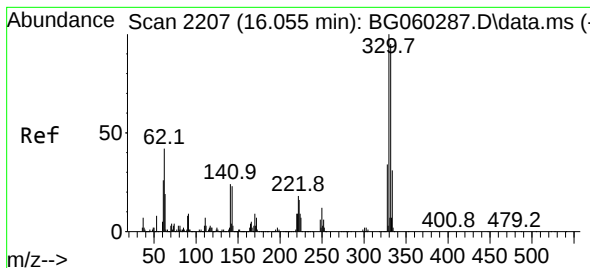
Reviewed By :Jagrut Upadhyay 01/23/2024
Supervised By :mohammad ahmed 01/24/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.562 min Scan# 1953
Delta R.T. -0.007 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46

Tgt Ion:164 Resp: 644547
Ion Ratio Lower Upper
164 100
162 106.1 84.4 126.6
160 42.5 34.6 52.0





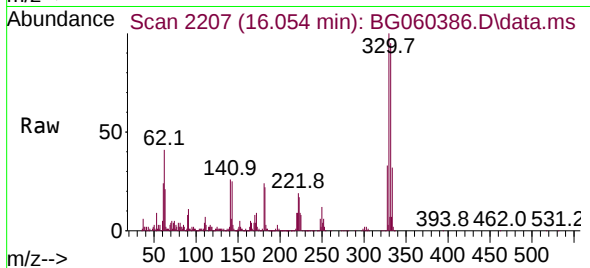
#42
2,4,6-Tribromophenol
Concen: 126.360 ng
RT: 16.054 min Scan# 2207
Delta R.T. -0.001 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46

Instrument :

BNA_G

ClientSampleId :

72-11977

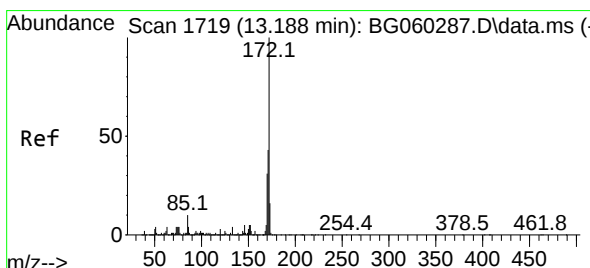
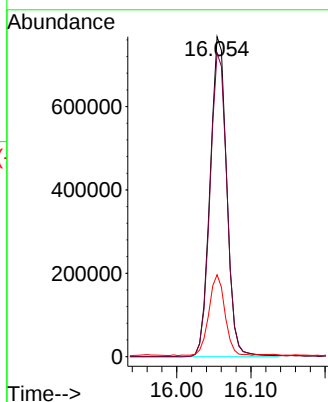
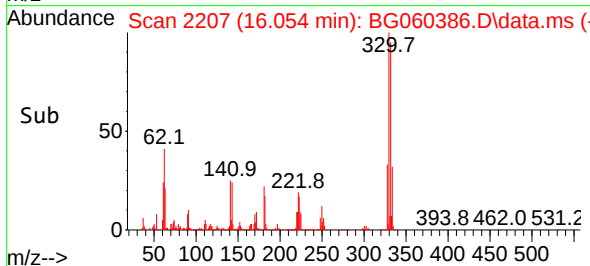


Tgt Ion:330 Resp: 1198289
Ion Ratio Lower Upper
330 100
332 96.0 76.7 115.1
141 24.4 18.6 28.0

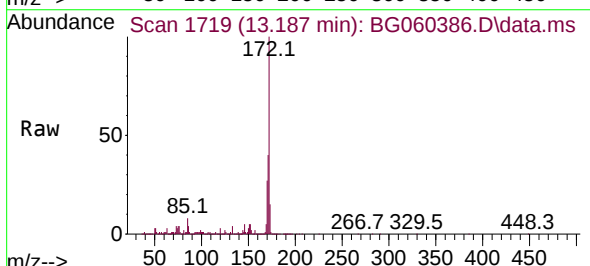
Manual Integrations

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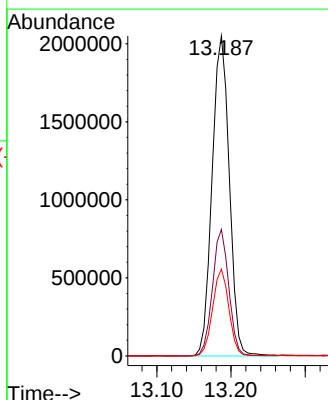
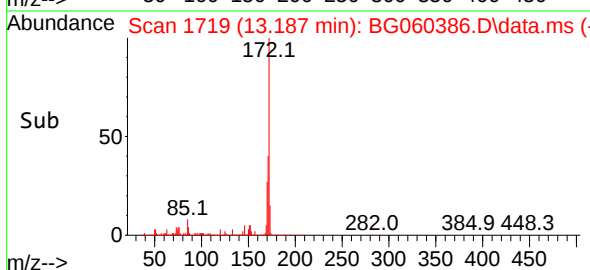
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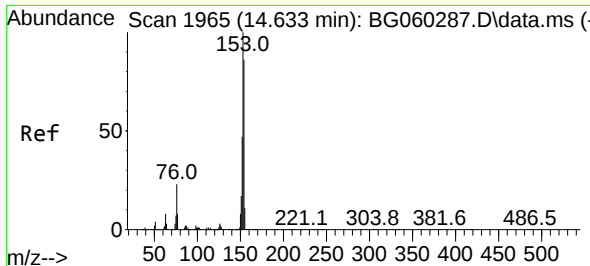


#45
2-Fluorobiphenyl
Concen: 71.226 ng
RT: 13.187 min Scan# 1719
Delta R.T. -0.001 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46



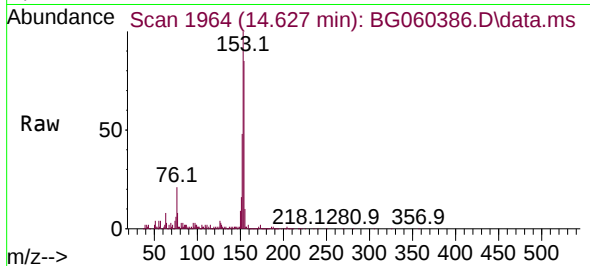
Tgt Ion:172 Resp: 3302019
Ion Ratio Lower Upper
172 100
171 39.5 34.6 51.8
170 27.1 24.4 36.6





#52
Acenaphthene
Concen: 19.190 ng
RT: 14.627 min Scan# 1964
Delta R.T. -0.006 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46

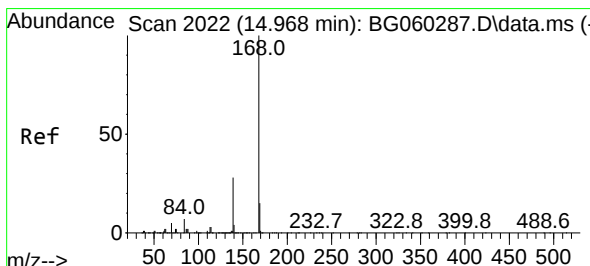
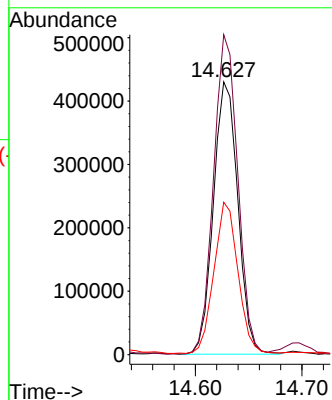
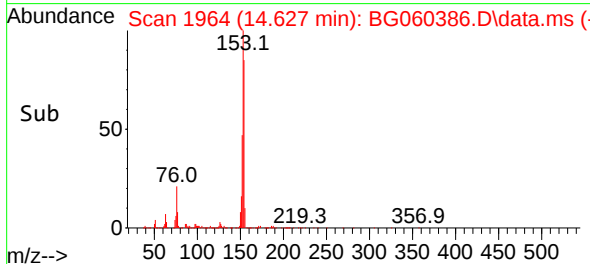
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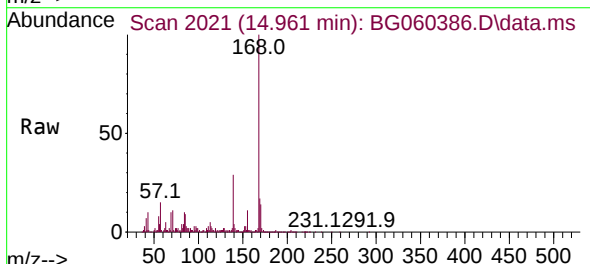
Tgt Ion:154 Resp: 685850
Ion Ratio Lower Upper
154 100
153 117.3 92.6 138.8
152 55.9 43.8 65.8

Manual Integrations
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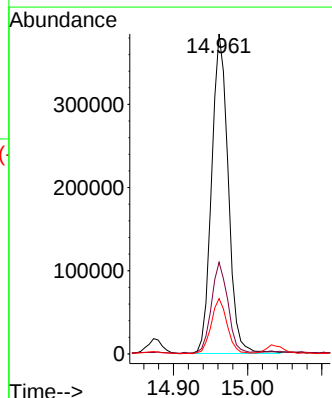
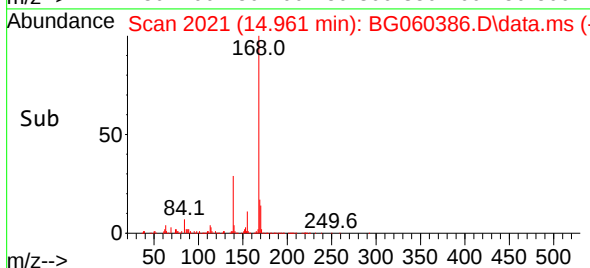
Reviewed By :Jagrut Upadhyay 01/23/2024
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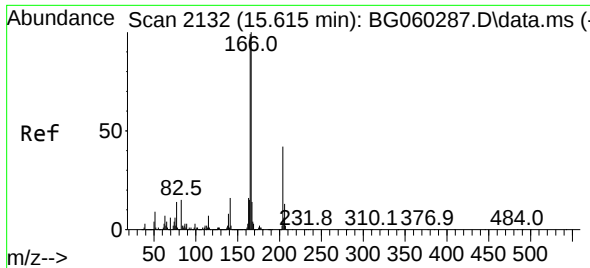


#55
Dibenzofuran
Concen: 9.998 ng
RT: 14.961 min Scan# 2021
Delta R.T. -0.007 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46



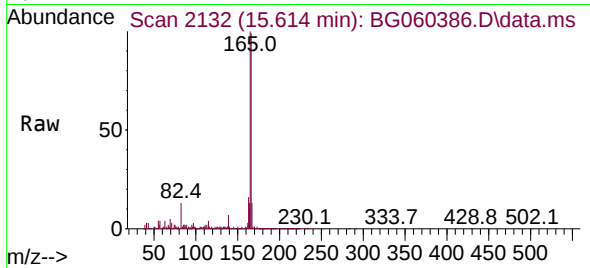
Tgt Ion:168 Resp: 596490
Ion Ratio Lower Upper
168 100
139 28.6 22.6 34.0
169 17.3 12.1 18.1





#58
Fluorene
Concen: 19.631 ng
RT: 15.614 min Scan# 2132
Delta R.T. -0.001 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46

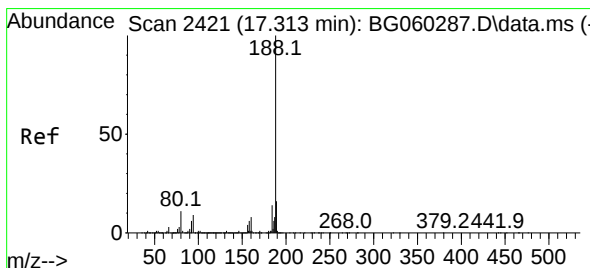
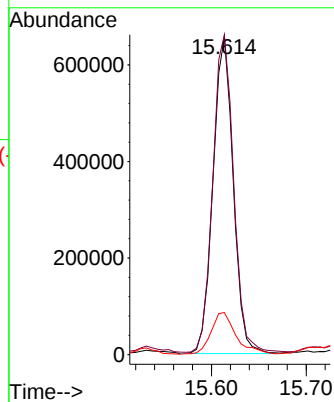
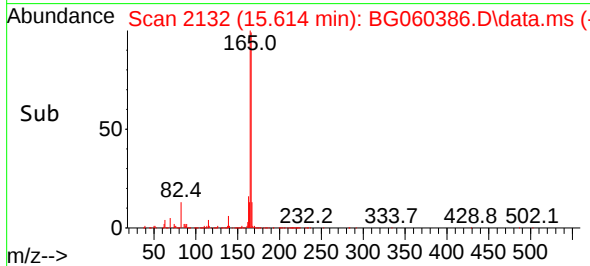
Instrument :
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Tgt Ion:166 Resp: 969890
Ion Ratio Lower Upper
166 100
165 100.7 79.0 118.6
167 13.2 11.4 17.0

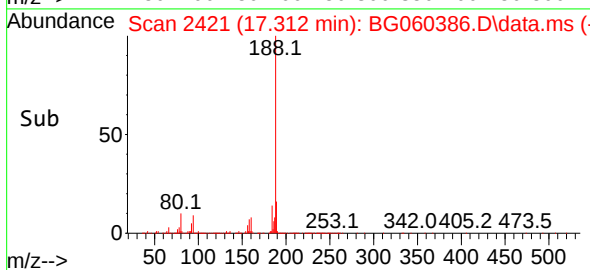
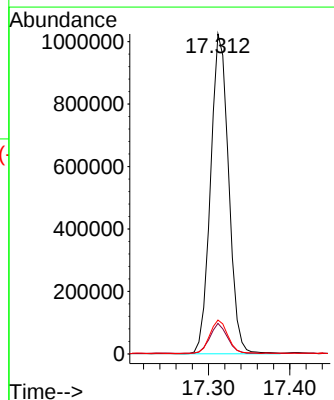
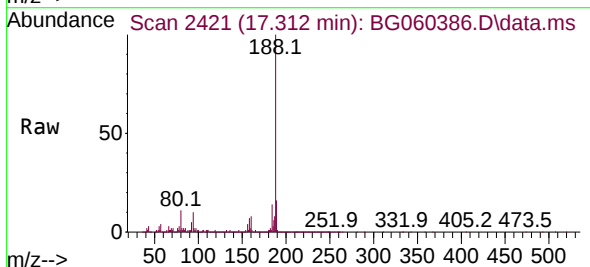
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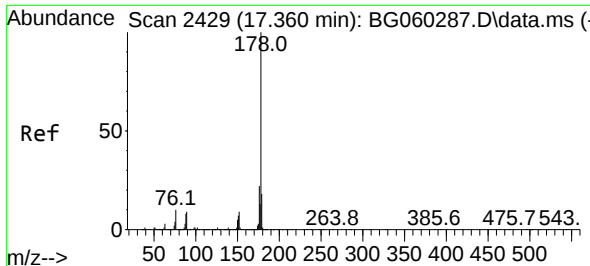
Reviewed By :Jagrut Upadhyay 01/23/2024
Supervised By :mohammad ahmed 01/24/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.312 min Scan# 2421
Delta R.T. -0.001 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46

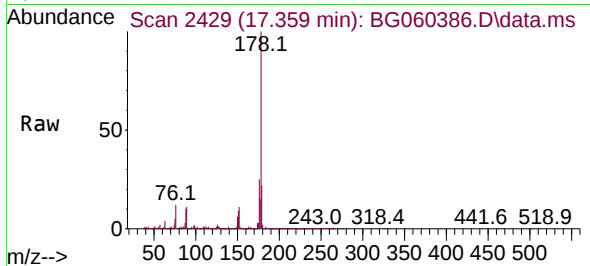
Tgt Ion:188 Resp: 1586834
Ion Ratio Lower Upper
188 100
94 9.5 7.1 10.7
80 10.6 8.5 12.7





#71
Phenanthrene
Concen: 62.303 ng
RT: 17.359 min Scan# 2429
Delta R.T. -0.001 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46

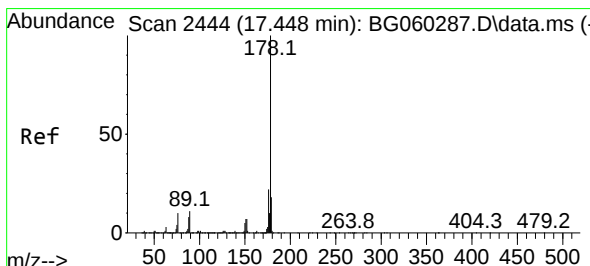
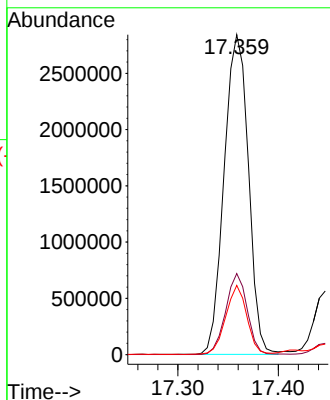
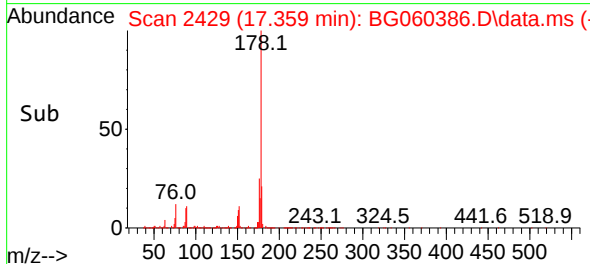
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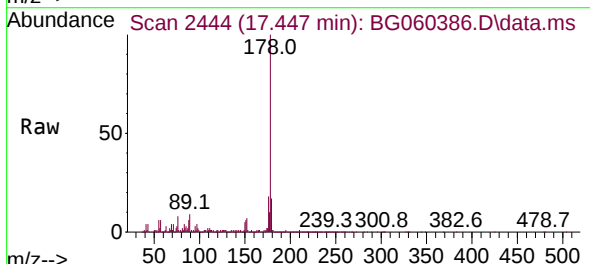
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Ion Ratio Lower Upper
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176 25.3 17.4 26.2
179 21.6 14.7 22.1

Manual Integrations
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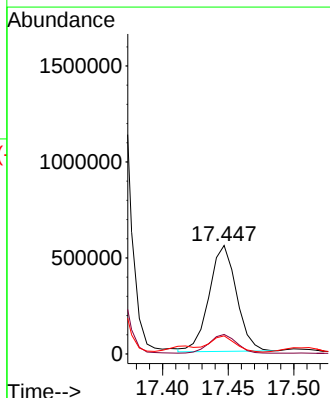
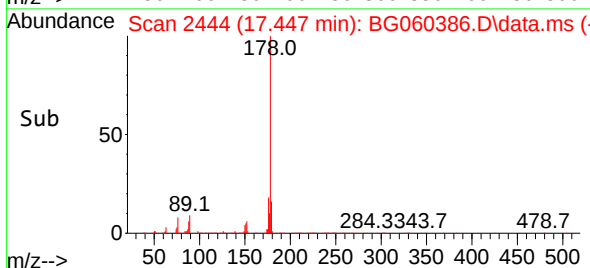
Reviewed By :Jagrut Upadhyay 01/23/2024
Supervised By :mohammad ahmed 01/24/2024

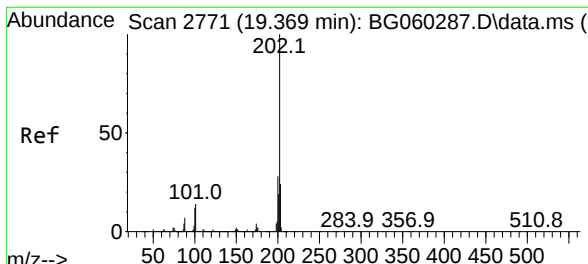


#72
Anthracene
Concen: 10.477 ng
RT: 17.447 min Scan# 2444
Delta R.T. -0.001 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46



Tgt Ion:178 Resp: 802267
Ion Ratio Lower Upper
178 100
176 17.9 17.8 26.6
179 16.6 14.1 21.1





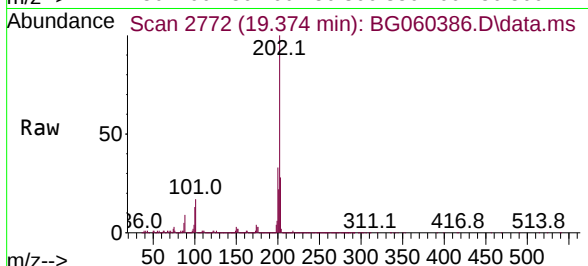
#75
 Fluoranthene
 Concen: 57.374 ng
 RT: 19.374 min Scan# 21
 Delta R.T. 0.005 min
 Lab File: BG060386.D
 Acq: 22 Jan 2024 15:46

Instrument :

BNA_G

ClientSampleId :

72-11977

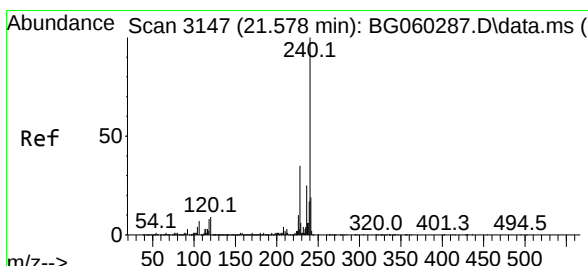
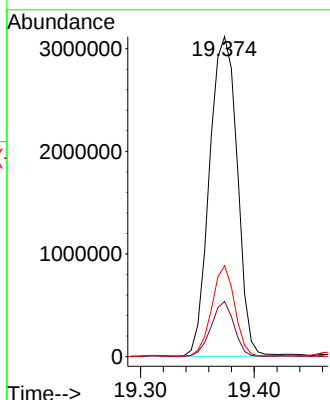
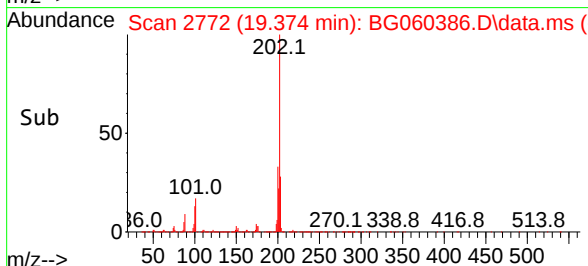


Tgt Ion:202 Resp: 528555
 Ion Ratio Lower Upper
 202 100
 101 17.2 0.0 34.4
 203 28.5 4.0 44.0

Manual Integrations

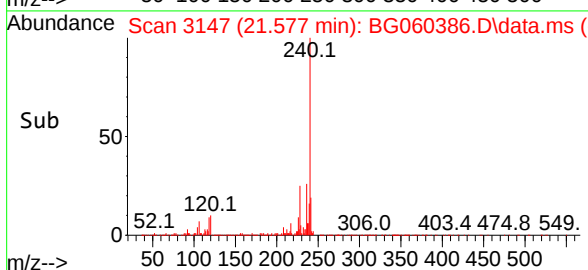
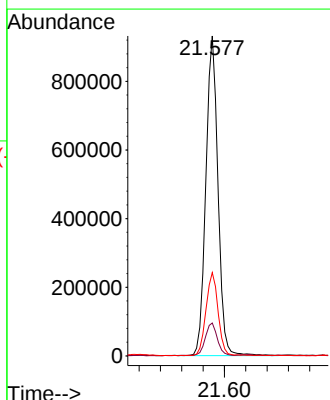
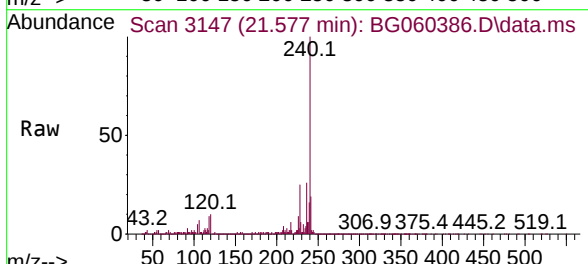
APPROVED

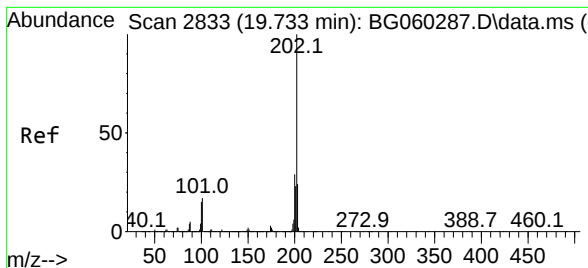
Reviewed By :Jagrut Upadhyay 01/23/2024
 Supervised By :mohammad ahmed 01/24/2024



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.577 min Scan# 3147
 Delta R.T. -0.001 min
 Lab File: BG060386.D
 Acq: 22 Jan 2024 15:46

Tgt Ion:240 Resp: 1470753
 Ion Ratio Lower Upper
 240 100
 120 10.3 7.3 10.9
 236 26.0 20.3 30.5





#78

Pyrene

Concen: 47.014 ng

RT: 19.732 min Scan# 2833

Delta R.T. -0.001 min

Lab File: BG060386.D

Acq: 22 Jan 2024 15:46

Instrument :

BNA_G

ClientSampleId :

72-11977

Tgt Ion:202 Resp: 4415655

Ion Ratio Lower Upper

202 100

200 27.0 23.5 35.3

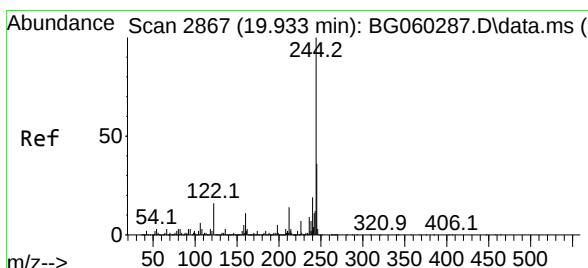
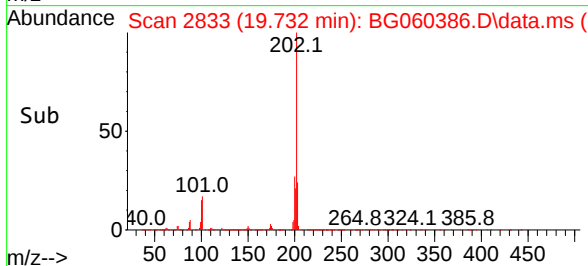
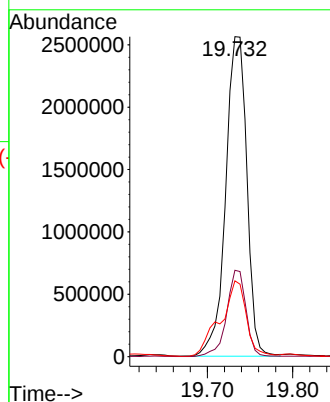
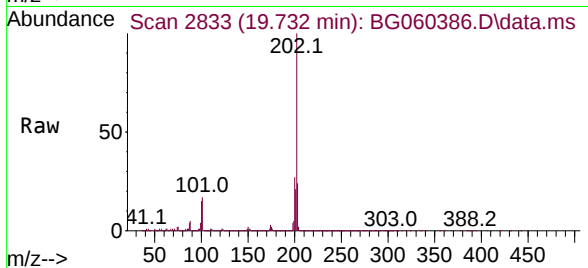
203 23.7 19.6 29.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/23/2024

Supervised By :mohammad ahmed 01/24/2024



#79

Terphenyl-d14

Concen: 82.312 ng

RT: 19.932 min Scan# 2867

Delta R.T. -0.001 min

Lab File: BG060386.D

Acq: 22 Jan 2024 15:46

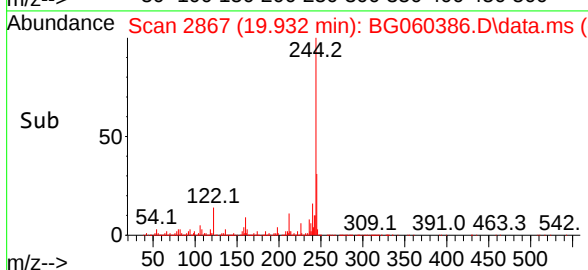
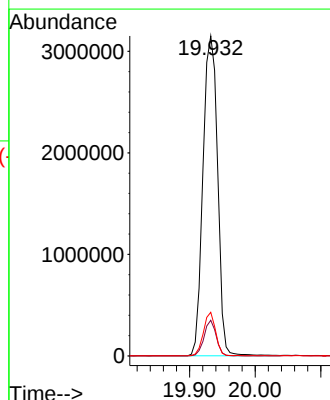
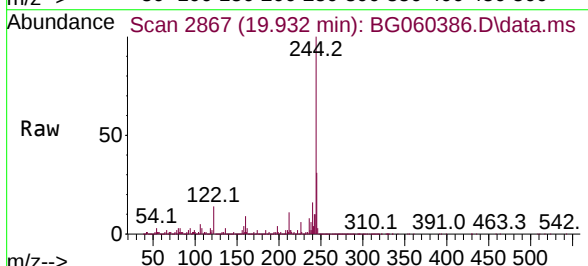
Tgt Ion:244 Resp: 4857535

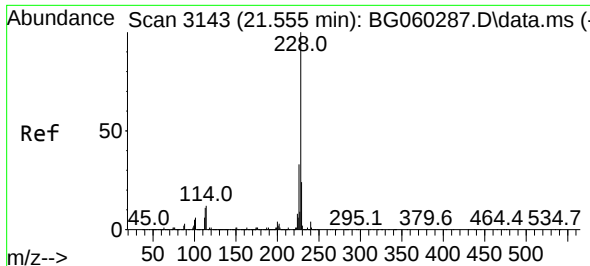
Ion Ratio Lower Upper

244 100

212 11.1 10.9 16.3

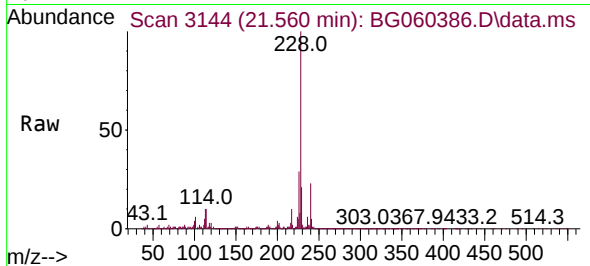
122 13.6 12.6 18.8





#81
Benzo(a)anthracene
Concen: 19.888 ng
RT: 21.560 min Scan# 3144
Delta R.T. 0.005 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46

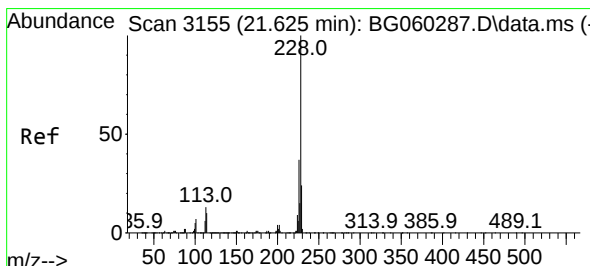
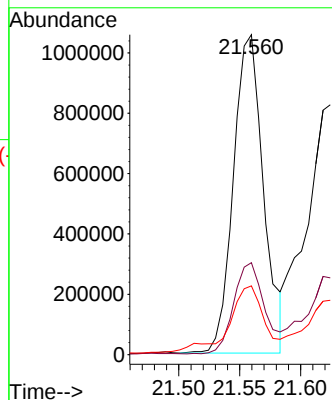
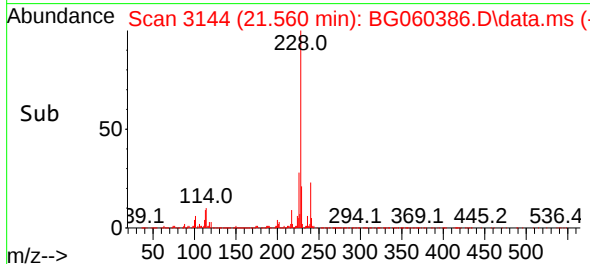
Instrument :
BNA_G
ClientSampleId :
72-11977



Tgt Ion:228 Resp: 1810782
Ion Ratio Lower Upper
228 100
226 28.7 26.2 39.2
229 21.5 19.4 29.2

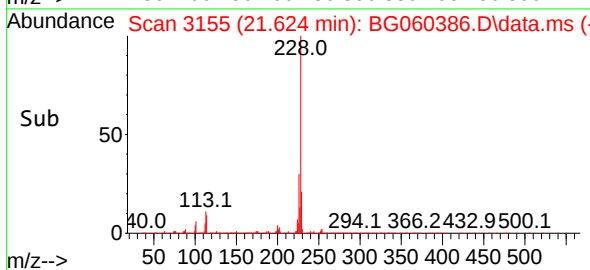
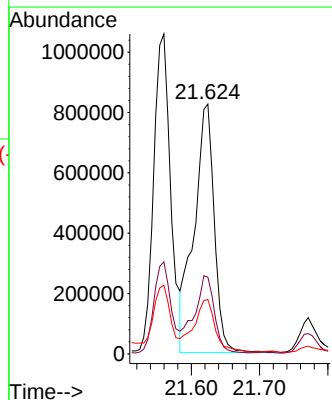
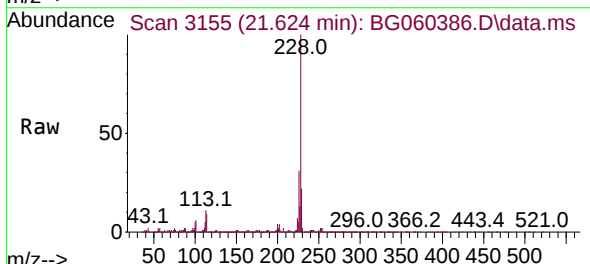
Manual Integrations
APPROVED

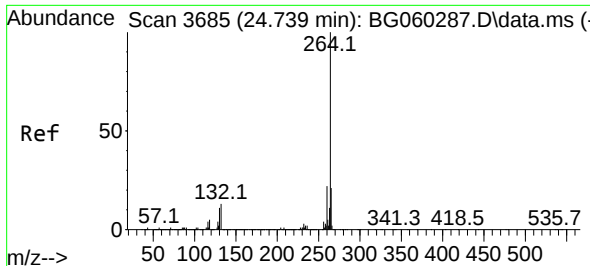
Reviewed By :Jagrut Upadhyay 01/23/2024
Supervised By :mohammad ahmed 01/24/2024



#83
Chrysene
Concen: 19.074 ng
RT: 21.624 min Scan# 3155
Delta R.T. -0.001 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46

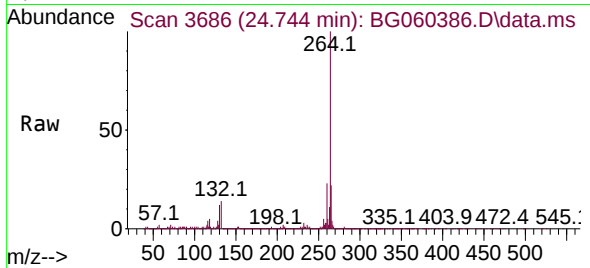
Tgt Ion:228 Resp: 1708067
Ion Ratio Lower Upper
228 100
226 30.7 29.4 44.2
229 21.8 19.2 28.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.744 min Scan# 3686
Delta R.T. 0.005 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46

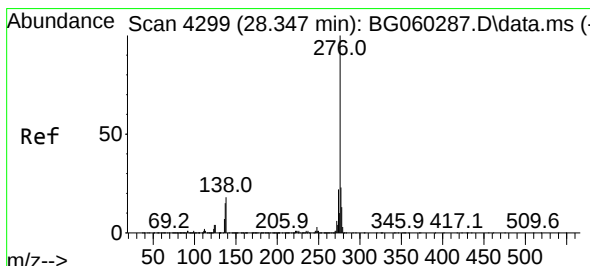
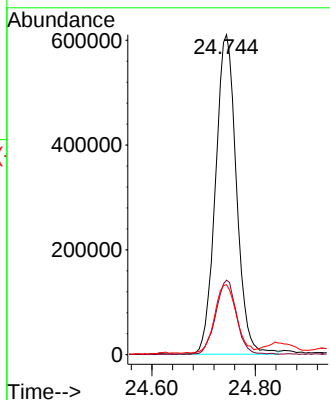
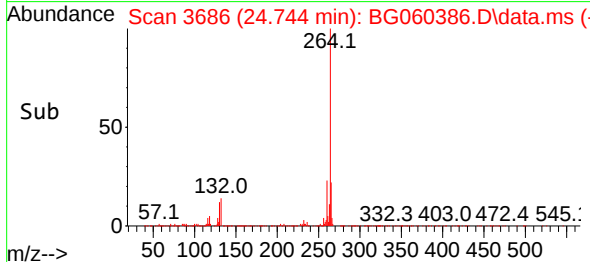
Instrument :
BNA_G
ClientSampleId :
72-11977



Tgt Ion:264 Resp: 1716591
Ion Ratio Lower Upper
264 100
260 23.3 17.8 26.6
265 21.9 16.8 25.2

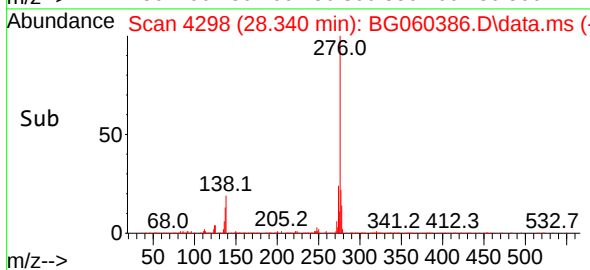
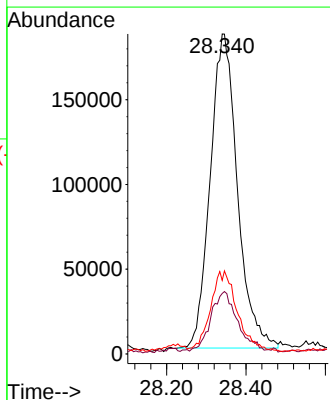
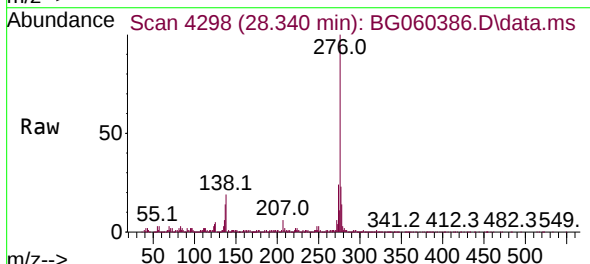
Manual Integrations
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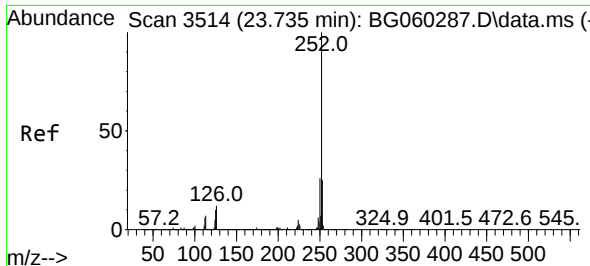
Reviewed By :Jagrut Upadhyay 01/23/2024
Supervised By :mohammad ahmed 01/24/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.399 ng
RT: 28.340 min Scan# 4298
Delta R.T. -0.007 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46

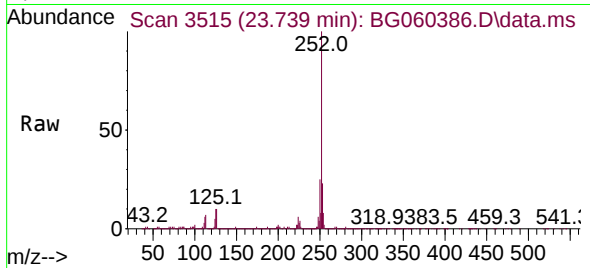
Tgt Ion:276 Resp: 883121
Ion Ratio Lower Upper
276 100
138 19.2 12.5 18.7#
277 10.7 20.5 30.7#





#88
Benzo(b)fluoranthene
Concen: 25.219 ng
RT: 23.739 min Scan# 3514
Delta R.T. 0.005 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46

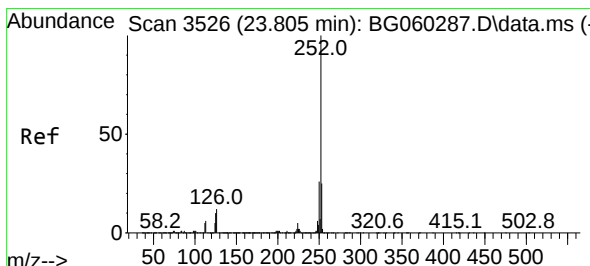
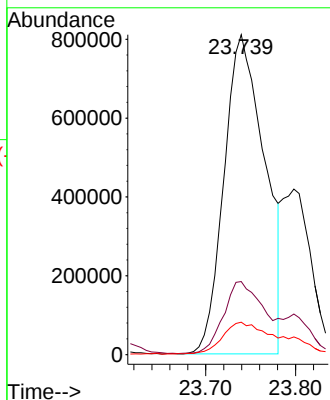
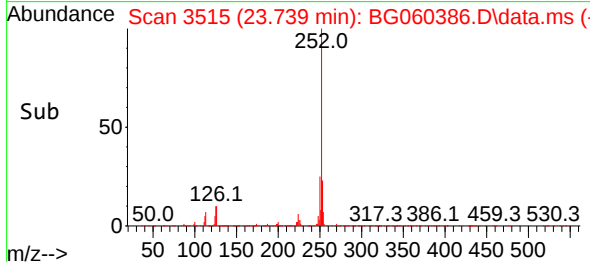
Instrument :
BNA_G
ClientSampleId :
72-11977



Tgt Ion:252 Resp: 2557386
Ion Ratio Lower Upper
252 100
253 22.8 20.0 30.0
125 10.1 8.1 12.1

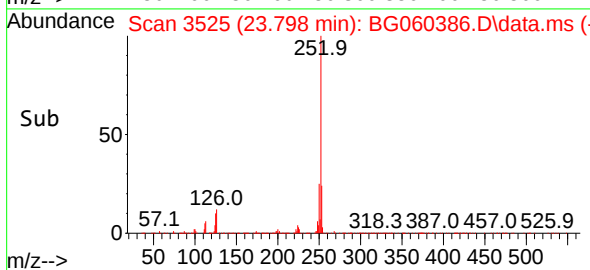
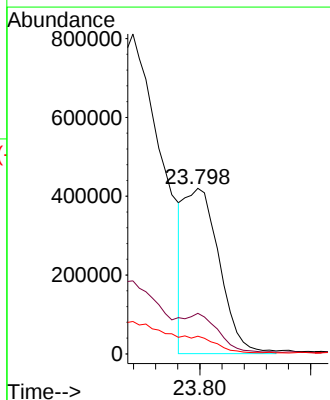
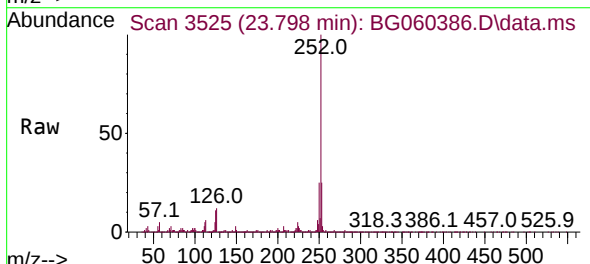
Manual Integrations
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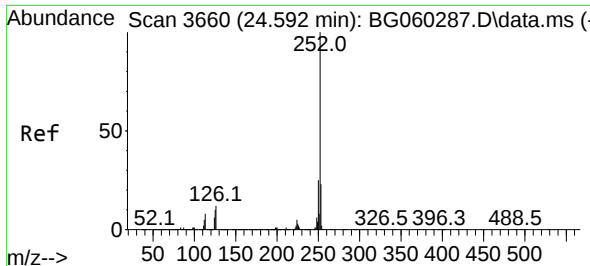
Reviewed By :Jagrut Upadhyay 01/23/2024
Supervised By :mohammad ahmed 01/24/2024



#89
Benzo(k)fluoranthene
Concen: 9.307 ng m
RT: 23.798 min Scan# 3525
Delta R.T. -0.007 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46

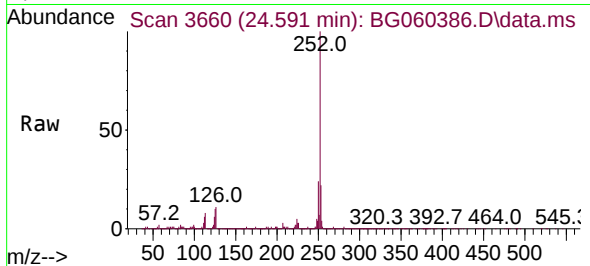
Tgt Ion:252 Resp: 931370
Ion Ratio Lower Upper
252 100
253 24.5 19.6 29.4
125 10.7 8.2 12.2





#90
Benzo(a)pyrene
Concen: 14.888 ng
RT: 24.591 min Scan# 30
Delta R.T. -0.001 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46

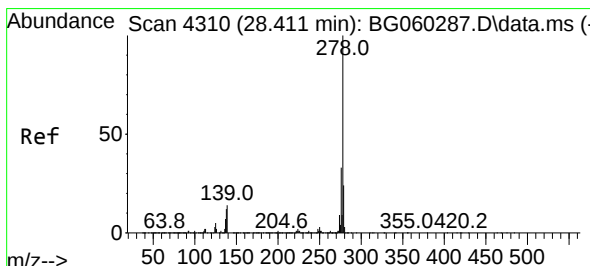
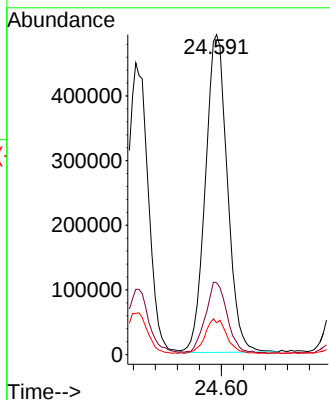
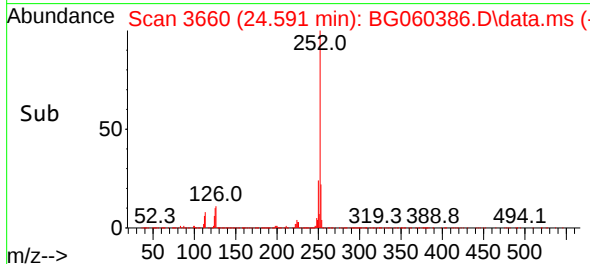
Instrument :
BNA_G
ClientSampleId :
72-11977



Tgt Ion:252 Resp: 1363830
Ion Ratio Lower Upper
252 100
253 22.4 18.1 27.1
125 10.0 8.1 12.1

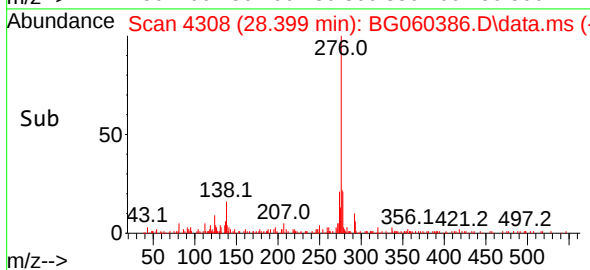
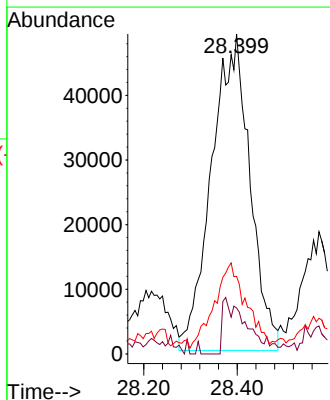
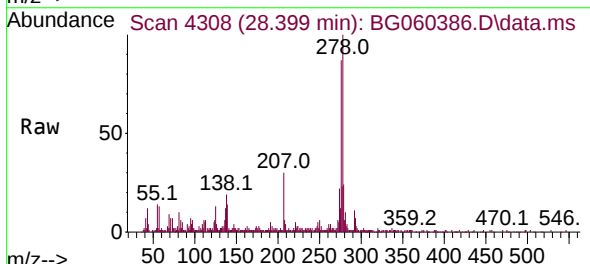
Manual Integrations
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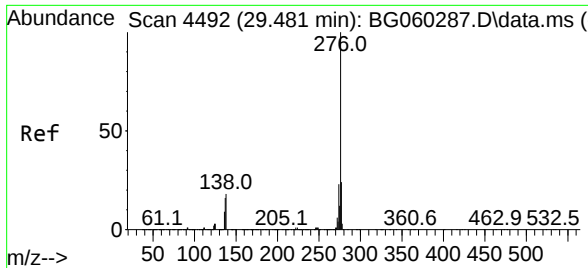
Reviewed By :Jagrut Upadhyay 01/23/2024
Supervised By :mohammad ahmed 01/24/2024



#91
Dibenzo(a,h)anthracene
Concen: 2.856 ng m
RT: 28.399 min Scan# 4308
Delta R.T. -0.013 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46

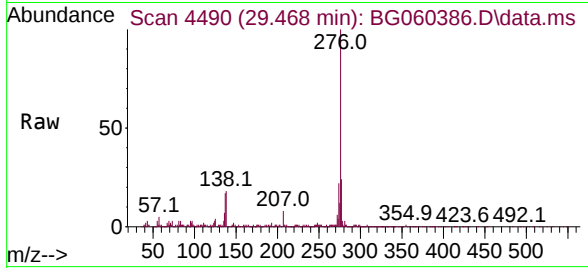
Tgt Ion:278 Resp: 278353
Ion Ratio Lower Upper
278 100
139 14.4 10.9 16.3
279 24.3 19.2 28.8





#92
 Benzo(g,h,i)perylene
 Concen: 8.238 ng
 RT: 29.468 min Scan# 44
 Delta R.T. -0.013 min
 Lab File: BG060386.D
 Acq: 22 Jan 2024 15:46

Instrument :
 BNA_G
 ClientSampleId :
 72-11977



Tgt Ion: 276 Resp: 822975
 Ion Ratio Lower Upper
 276 100
 277 24.2 19.4 29.0
 138 18.4 14.2 21.4

Manual Integrations
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Reviewed By :Jagrut Upadhyay 01/23/2024
 Supervised By :mohammad ahmed 01/24/2024

