

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051724\
 Data File : BG061237.D
 Acq On : 17 May 2024 13:48
 Operator : MA/JU
 Sample : P2482-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-01-229

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/20/2024
 Supervised By :mohammad ahmed 05/22/2024

Quant Time: May 17 18:19:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.931	152	27931	20.000	ng	-0.03
21) Naphthalene-d8	10.722	136	110563	20.000	ng	-0.04
39) Acenaphthene-d10	14.558	164	84549	20.000	ng	-0.03
64) Phenanthrene-d10	17.308	188	183195	20.000	ng	#-0.02
76) Chrysene-d12	21.568	240	185718	20.000	ng	#-0.02
86) Perylene-d12	24.693	264	228697	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	126675	92.236	ng	-0.02
7) Phenol-d6	7.114	99	176706	86.976	ng	-0.02
23) Nitrobenzene-d5	9.088	82	127577	57.201	ng	-0.03
42) 2,4,6-Tribromophenol	16.051	330	112980	66.853	ng	-0.02
45) 2-Fluorobiphenyl	13.177	172	315337	55.151	ng	-0.03
79) Terphenyl-d14	19.928	244	589864	52.823	ng	-0.02
Target Compounds						Qvalue
52) Acenaphthene	14.623	154	9359	2.250	ng	89
71) Phenanthrene	17.349	178	146083	17.440	ng	99
72) Anthracene	17.437	178	32250	3.858	ng	96
73) Carbazole	17.713	167	15495	2.108	ng	96
75) Fluoranthene	19.364	202	314433	27.400	ng	99
78) Pyrene	19.729	202	279890	23.705	ng	99
81) Benzo(a)anthracene	21.550	228	178016	14.648	ng	98
83) Chrysene	21.615	228	168646m	14.812	ng	
87) Indeno(1,2,3-cd)pyrene	28.242	276	113548	7.492	ng	# 96
88) Benzo(b)fluoranthene	23.700	252	218773	17.119	ng	99
89) Benzo(k)fluoranthene	23.759	252	78311m	6.370	ng	
90) Benzo(a)pyrene	24.541	252	161984	14.549	ng	97
91) Dibenzo(a,h)anthracene	28.289	278	30028	2.392	ng	# 90
92) Benzo(g,h,i)perylene	29.347	276	109023	8.741	ng	# 96

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

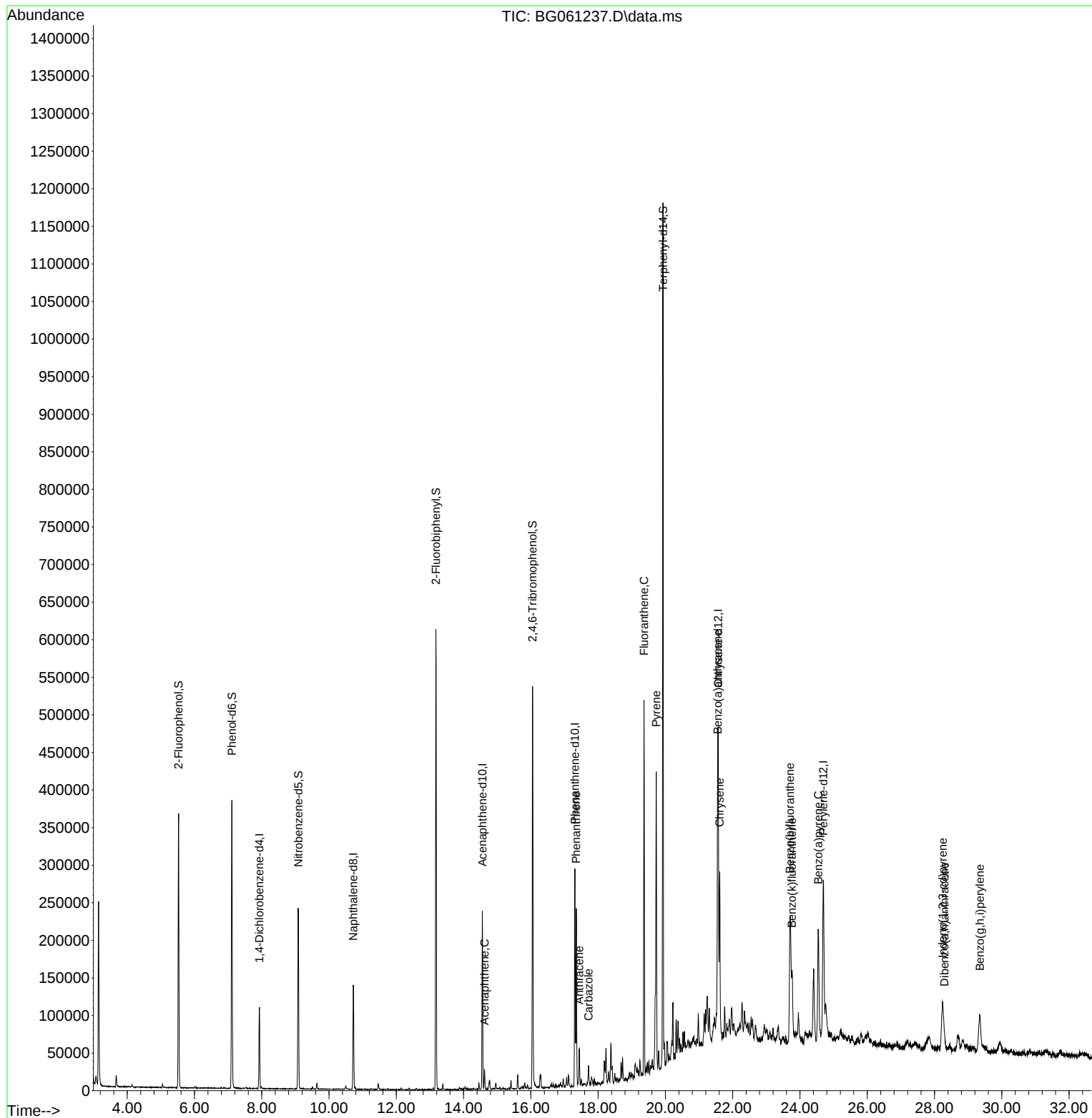
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051724\
Data File : BG061237.D
Acq On : 17 May 2024 13:48
Operator : MA/JU
Sample : P2482-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

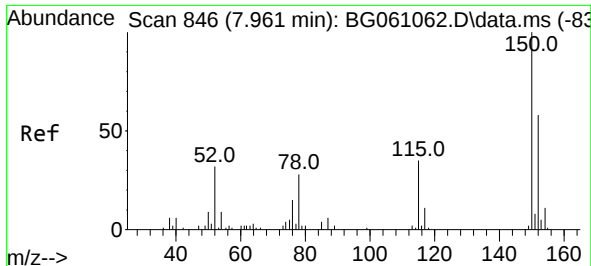
Instrument :
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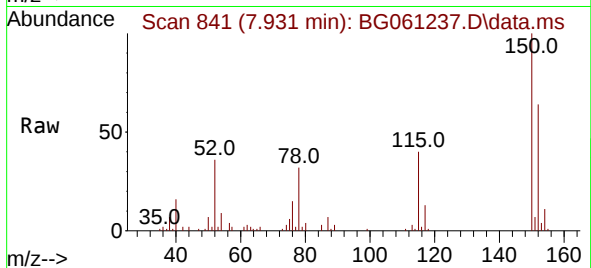
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.931 min Scan# 846
Delta R.T. -0.030 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

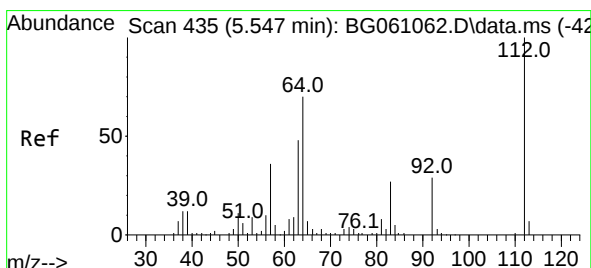
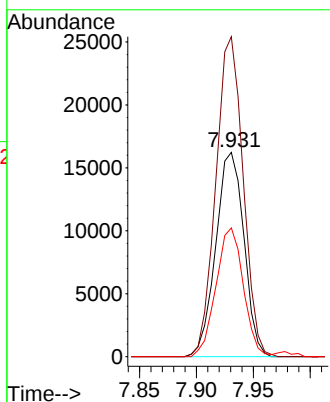
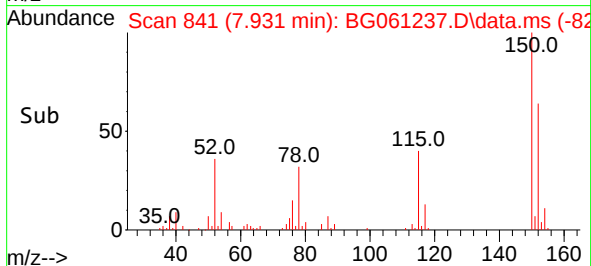
Instrument :
BNA_G
ClientSampleId :
P-01-229



Tgt Ion:152 Resp: 2793
Ion Ratio Lower Upper
152 100
150 156.6 138.3 207.5
115 63.0 48.0 72.0

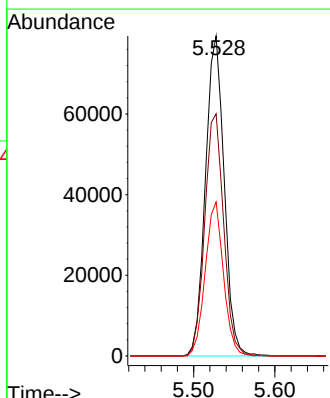
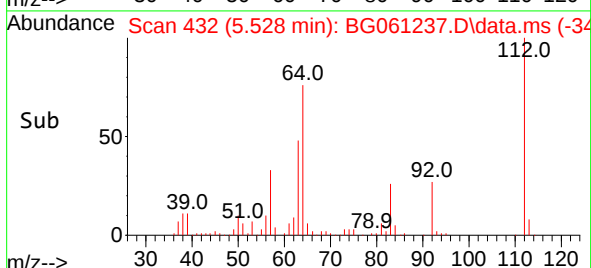
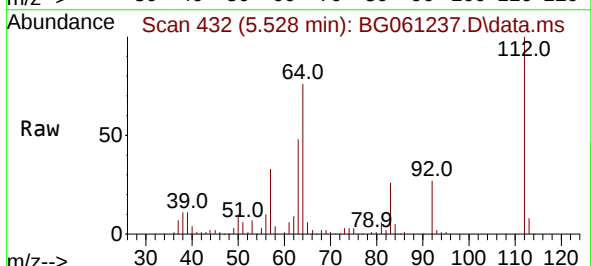
Manual Integrations
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Supervised By :mohammad ahmed 05/22/2024



#5
2-Fluorophenol
Concen: 92.236 ng
RT: 5.528 min Scan# 432
Delta R.T. -0.019 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

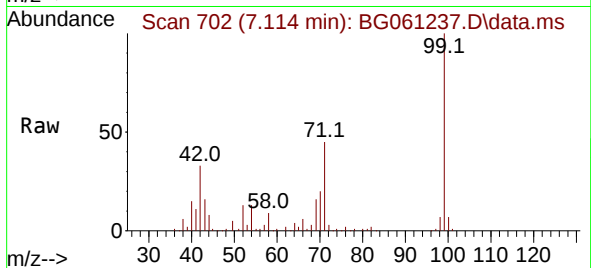
Tgt Ion:112 Resp: 126675
Ion Ratio Lower Upper
112 100
64 75.6 55.7 83.5
63 48.1 38.1 57.1





#7
Phenol-d6
Concen: 86.976 ng
RT: 7.114 min Scan# 705
Delta R.T. -0.019 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

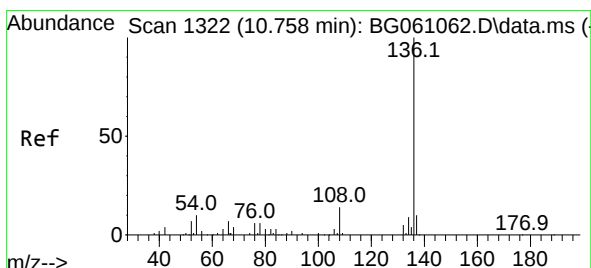
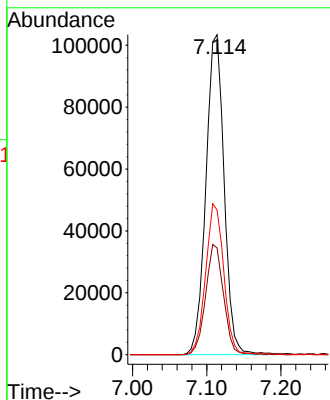
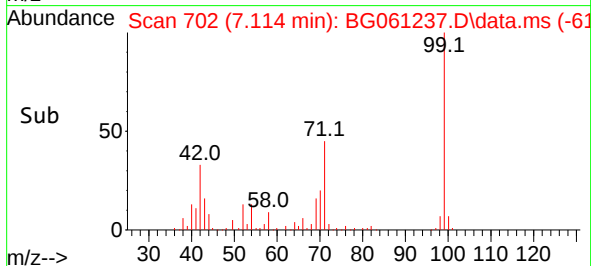
Instrument :
BNA_G
ClientSampleId :
P-01-229



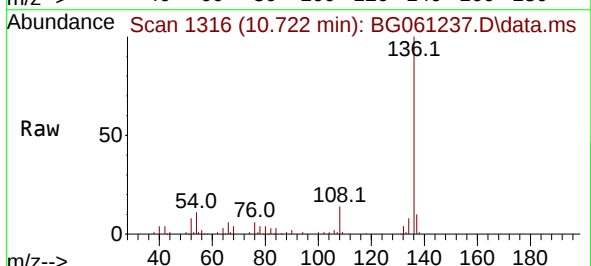
Tgt Ion: 99 Resp: 176700
Ion Ratio Lower Upper
99 100
42 33.4 29.2 43.8
71 45.2 39.7 59.5

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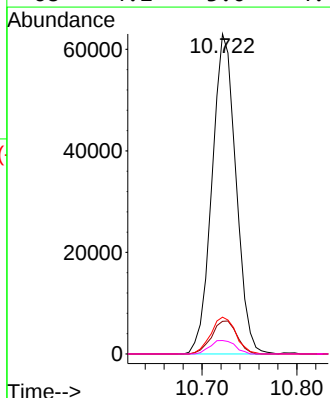
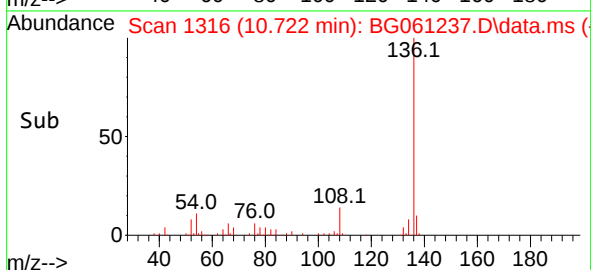
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024

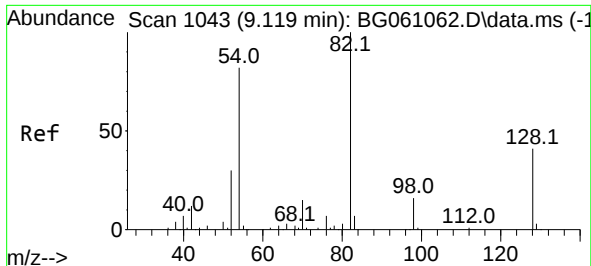


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.722 min Scan# 1316
Delta R.T. -0.037 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48



Tgt Ion:136 Resp: 110563
Ion Ratio Lower Upper
136 100
137 10.2 7.8 11.6
54 11.5 8.1 12.1
68 4.2 3.0 4.4





#23

Nitrobenzene-d5

Concen: 57.201 ng

RT: 9.088 min Scan# 1043

Delta R.T. -0.031 min

Lab File: BG061237.D

Acq: 17 May 2024 13:48

Instrument :

BNA_G

ClientSampleId :

P-01-229

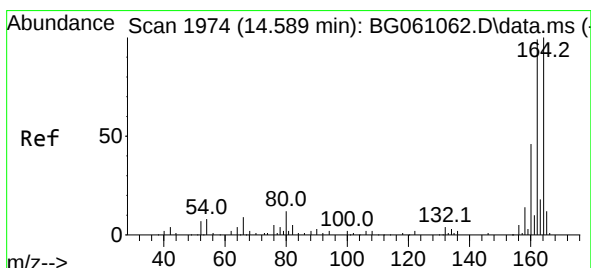
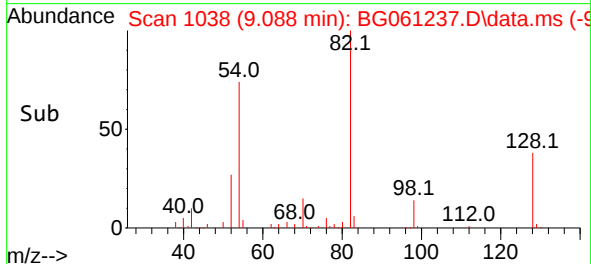
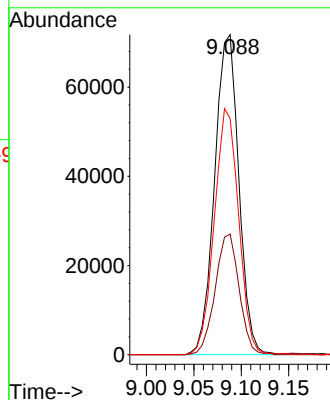
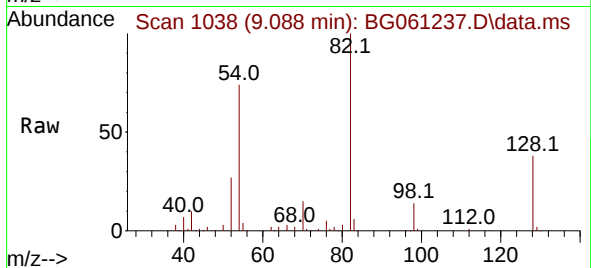
Tgt Ion: 82 Resp: 12757

Ion	Ratio	Lower	Upper
82	100		
128	37.7	32.7	49.1
54	73.8	65.6	98.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.558 min Scan# 1969

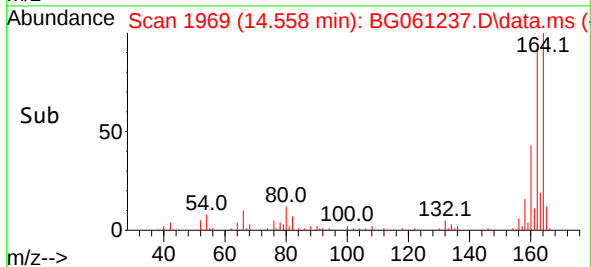
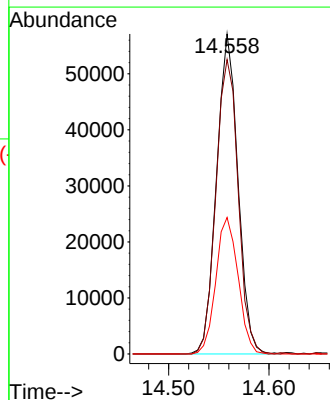
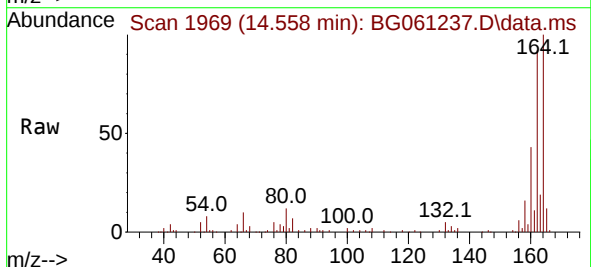
Delta R.T. -0.031 min

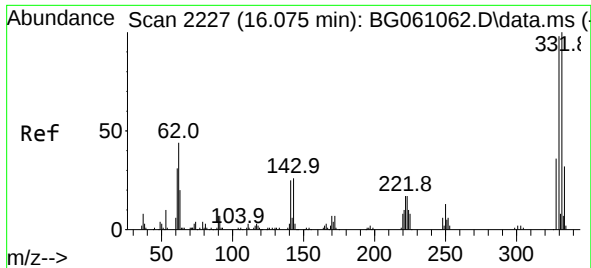
Lab File: BG061237.D

Acq: 17 May 2024 13:48

Tgt Ion:164 Resp: 84549

Ion	Ratio	Lower	Upper
164	100		
162	92.0	79.4	119.2
160	42.7	37.0	55.6





#42
2,4,6-Tribromophenol
Concen: 66.853 ng
RT: 16.051 min Scan# 211
Delta R.T. -0.025 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

Instrument :

BNA_G

ClientSampleId :

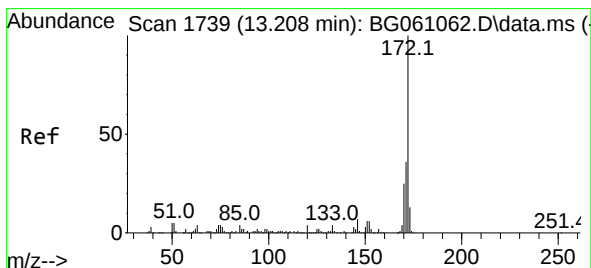
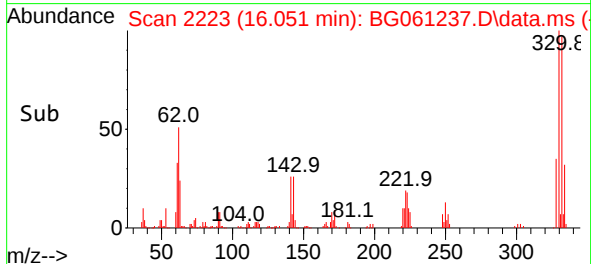
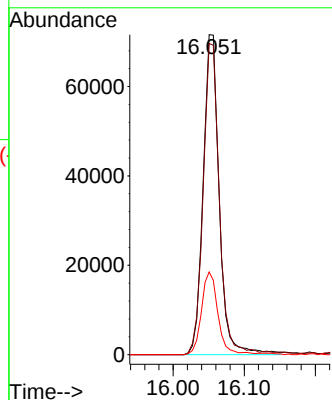
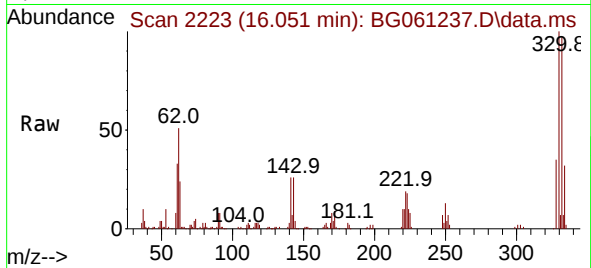
P-01-229

Tgt Ion:330 Resp: 112980
Ion Ratio Lower Upper
330 100
332 98.9 78.6 117.8
141 26.3 20.5 30.7

Manual Integrations

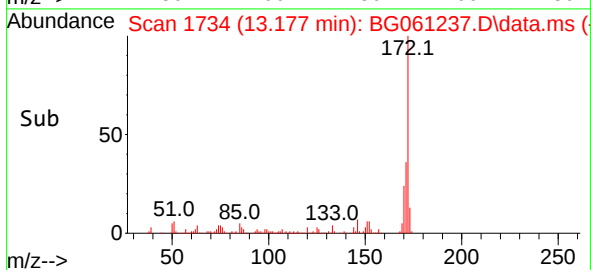
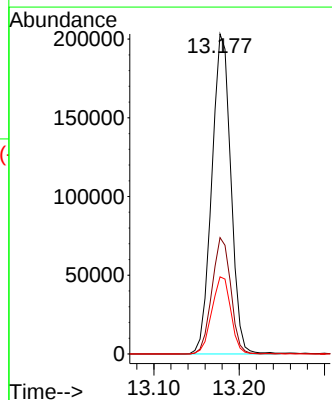
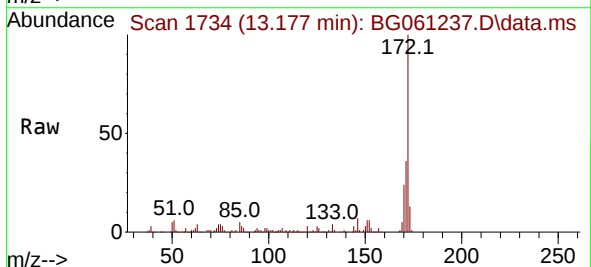
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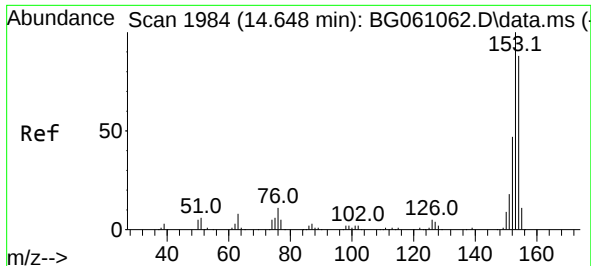
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#45
2-Fluorobiphenyl
Concen: 55.151 ng
RT: 13.177 min Scan# 1734
Delta R.T. -0.031 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

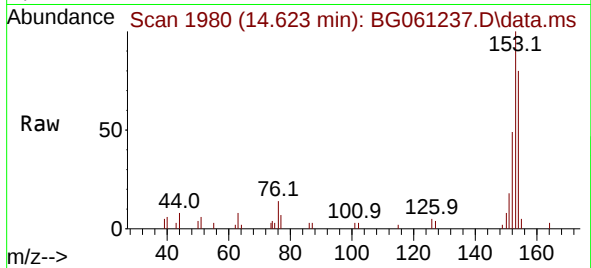
Tgt Ion:172 Resp: 315337
Ion Ratio Lower Upper
172 100
171 36.4 29.0 43.6
170 24.1 20.2 30.4





#52
Acenaphthene
Concen: 2.250 ng
RT: 14.623 min Scan# 1984
Delta R.T. -0.025 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

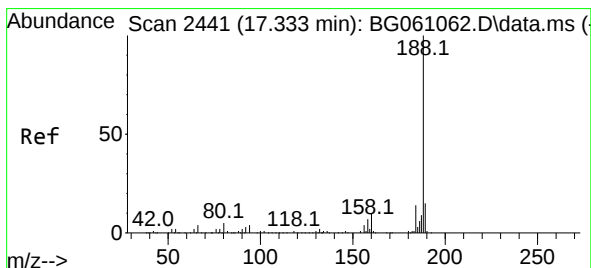
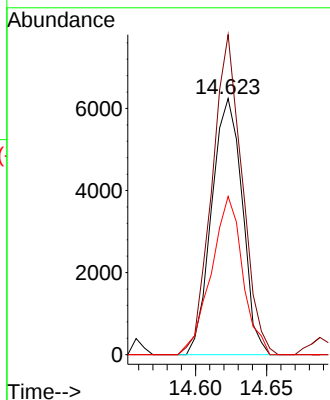
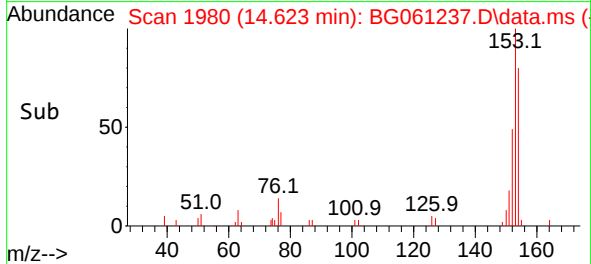
Instrument :
BNA_G
ClientSampleId :
P-01-229



Tgt Ion:154 Resp: 935
Ion Ratio Lower Upper
154 100
153 124.9 91.0 136.4
152 61.8 43.1 64.7

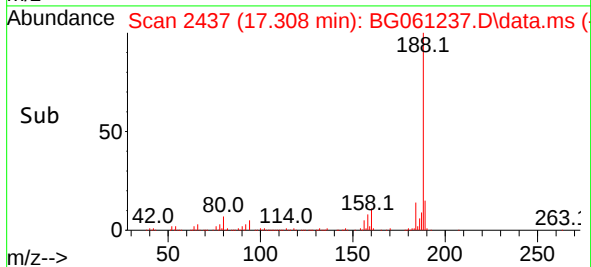
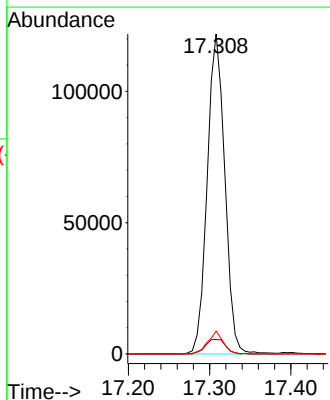
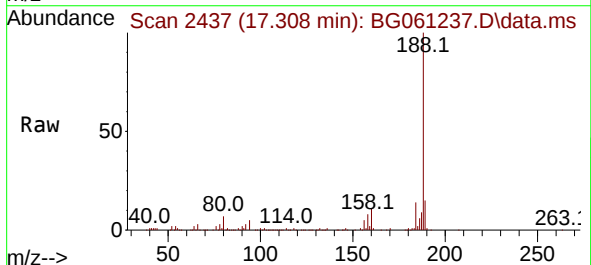
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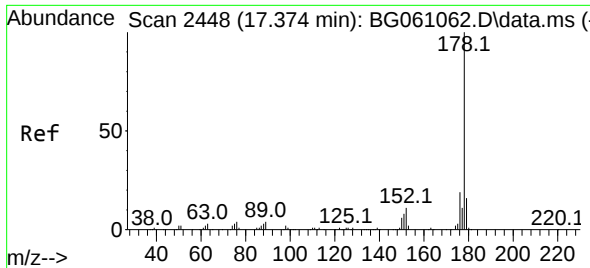
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.308 min Scan# 2437
Delta R.T. -0.025 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

Tgt Ion:188 Resp: 183195
Ion Ratio Lower Upper
188 100
94 4.5 3.6 5.4
80 7.1 4.2 6.2#





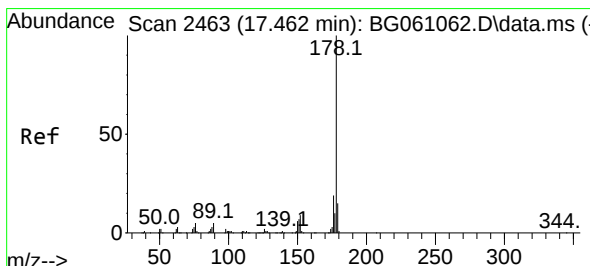
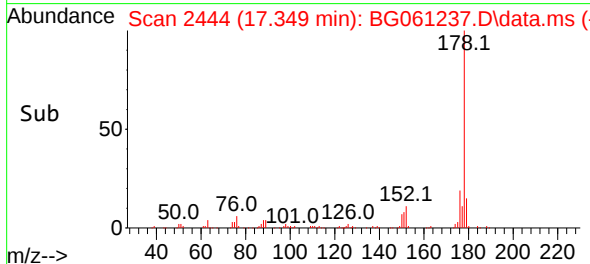
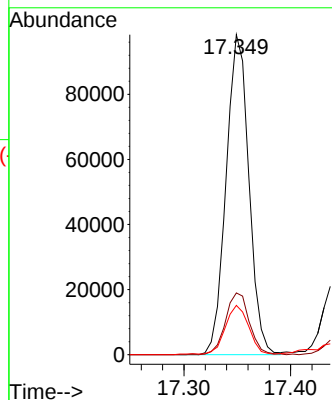
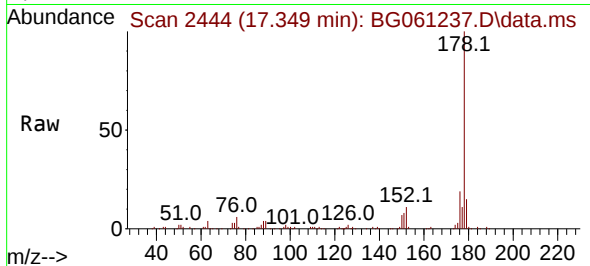
#71
Phenanthrene
Concen: 17.440 ng
RT: 17.349 min Scan# 2444
Delta R.T. -0.025 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

Instrument :
BNA_G
ClientSampleId :
P-01-229

Tgt Ion:178 Resp: 14608
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.4 12.6 19.0

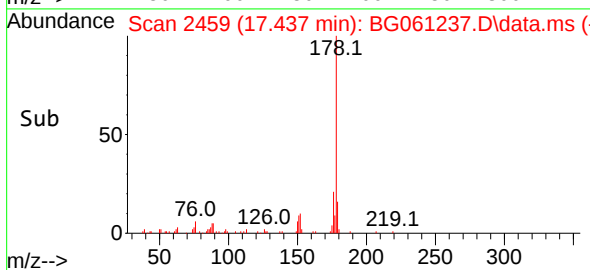
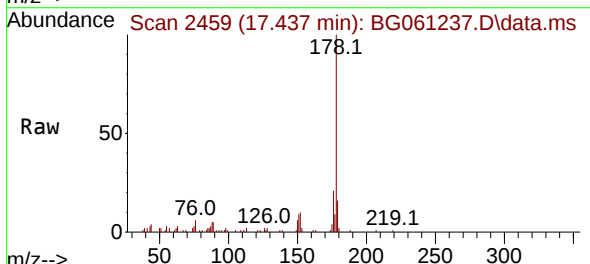
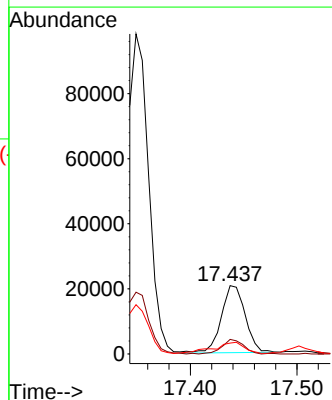
Manual Integrations
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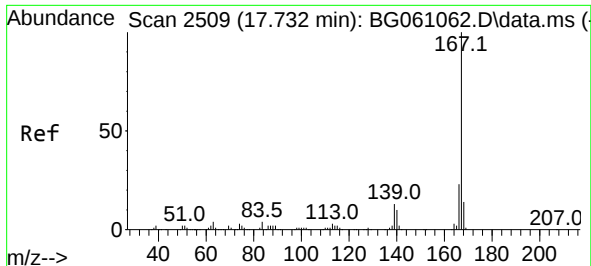
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#72
Anthracene
Concen: 3.858 ng
RT: 17.437 min Scan# 2459
Delta R.T. -0.025 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

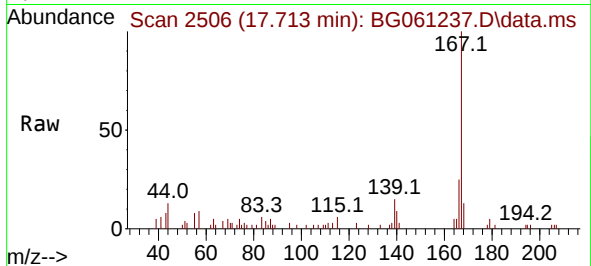
Tgt Ion:178 Resp: 32250
Ion Ratio Lower Upper
178 100
176 21.3 15.0 22.6
179 16.0 12.0 18.0





#73
 Carbazole
 Concen: 2.108 ng
 RT: 17.713 min Scan# 2506
 Delta R.T. -0.019 min
 Lab File: BG061237.D
 Acq: 17 May 2024 13:48

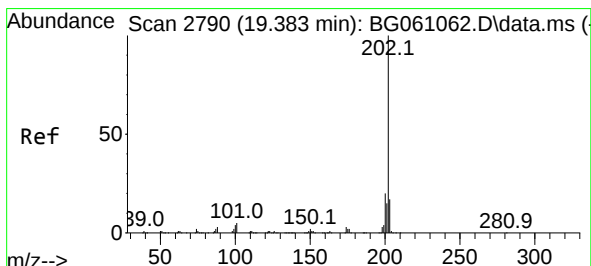
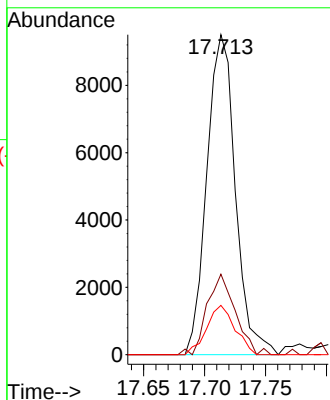
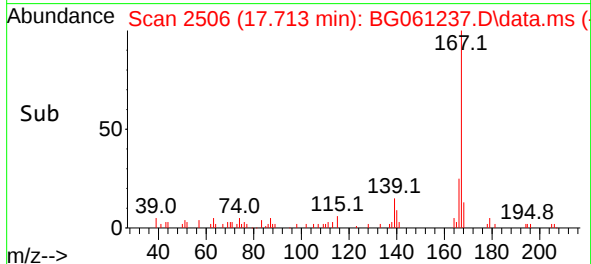
Instrument :
 BNA_G
 ClientSampleId :
 P-01-229



Tgt Ion:167 Resp: 1549
 Ion Ratio Lower Upper
 167 100
 166 25.1 18.7 28.1
 139 15.4 10.6 15.8

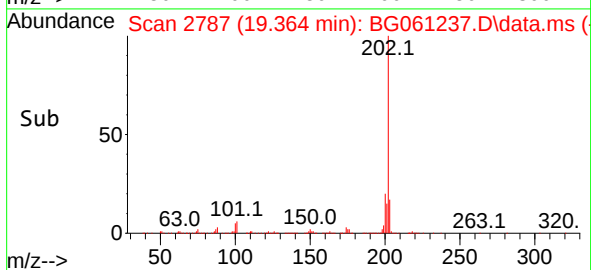
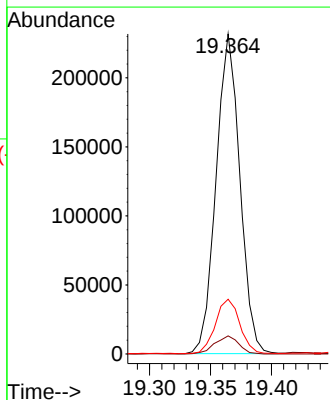
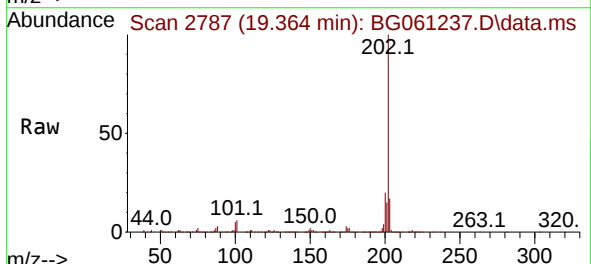
Manual Integrations
 APPROVED

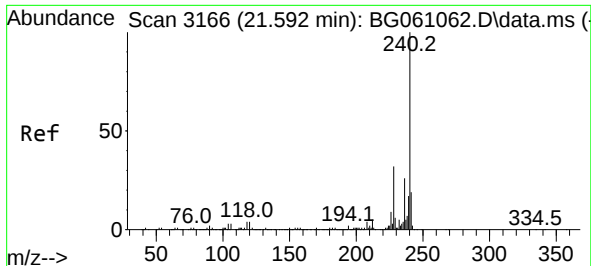
Reviewed By :Jagrut Upadhyay 05/20/2024
 Supervised By :mohammad ahmed 05/22/2024



#75
 Fluoranthene
 Concen: 27.400 ng
 RT: 19.364 min Scan# 2787
 Delta R.T. -0.019 min
 Lab File: BG061237.D
 Acq: 17 May 2024 13:48

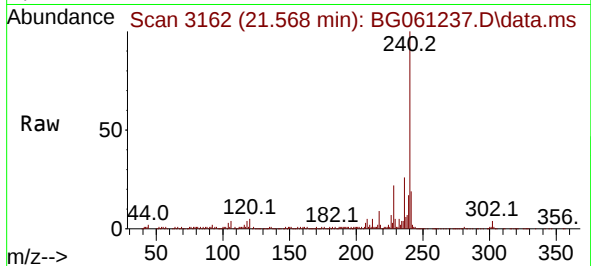
Tgt Ion:202 Resp: 314433
 Ion Ratio Lower Upper
 202 100
 101 5.7 0.0 24.7
 203 17.1 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.568 min Scan# 3166
Delta R.T. -0.025 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

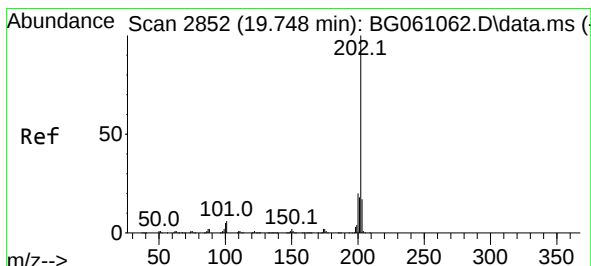
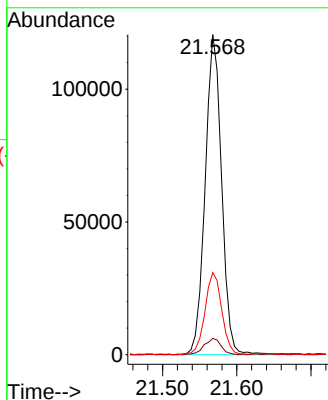
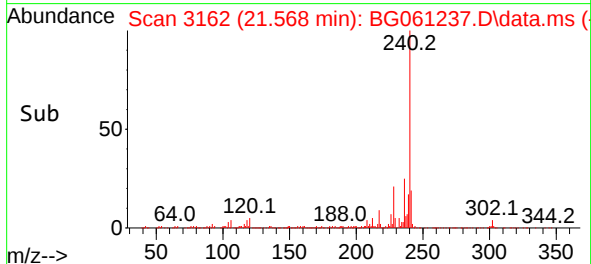
Instrument :
BNA_G
ClientSampleId :
P-01-229



Tgt Ion:240 Resp: 185718
Ion Ratio Lower Upper
240 100
120 5.1 3.2 4.8
236 25.6 21.0 31.6

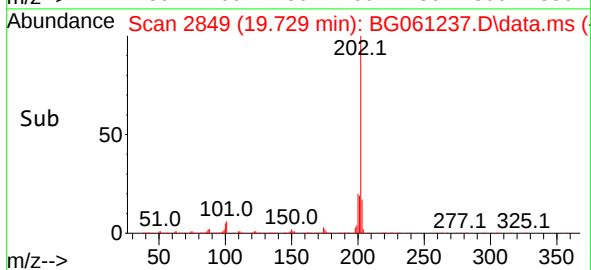
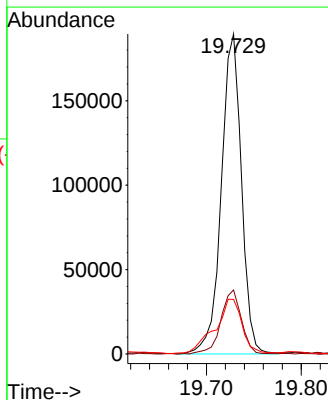
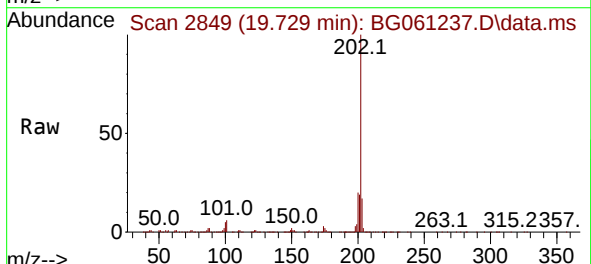
Manual Integrations
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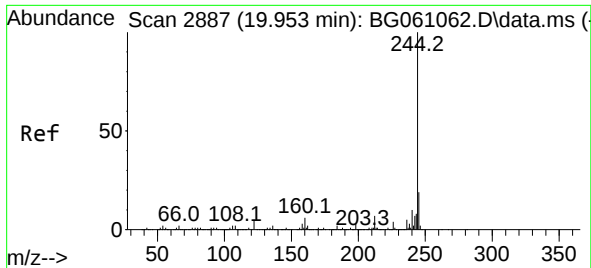
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#78
Pyrene
Concen: 23.705 ng
RT: 19.729 min Scan# 2849
Delta R.T. -0.019 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

Tgt Ion:202 Resp: 279890
Ion Ratio Lower Upper
202 100
200 20.0 16.2 24.4
203 17.1 13.3 19.9





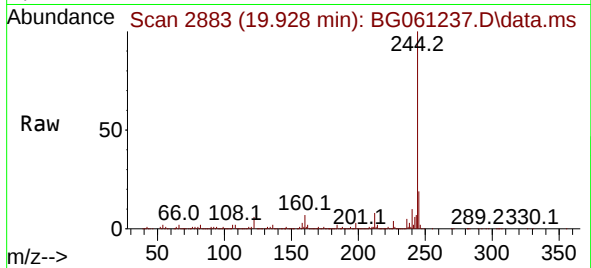
#79
 Terphenyl-d14
 Concen: 52.823 ng
 RT: 19.928 min Scan# 21
 Delta R.T. -0.025 min
 Lab File: BG061237.D
 Acq: 17 May 2024 13:48

Instrument :

BNA_G

ClientSampleId :

P-01-229

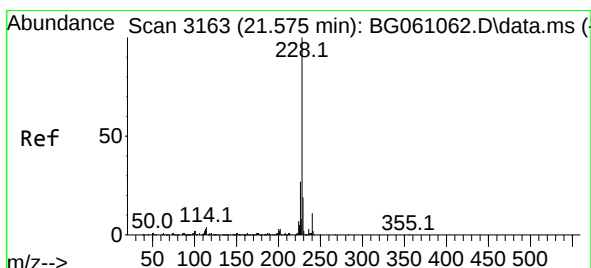
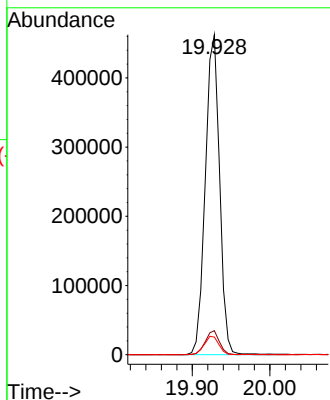
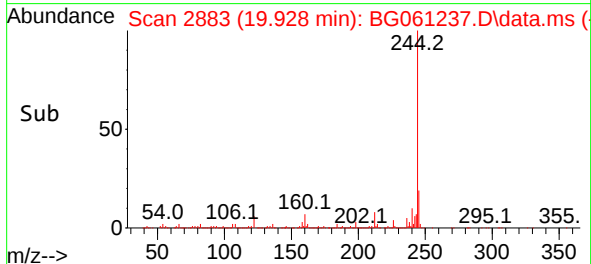


Tgt Ion:244 Resp: 589864
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.7 8.5
 122 5.5 4.2 6.2

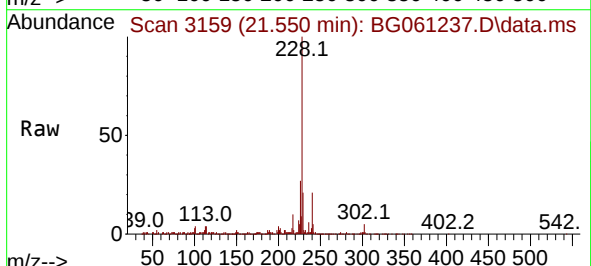
Manual Integrations

APPROVED

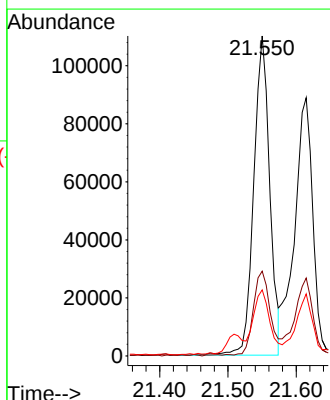
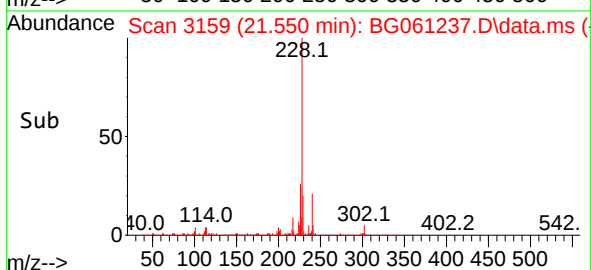
Reviewed By :Jagrut Upadhyay 05/20/2024
 Supervised By :mohammad ahmed 05/22/2024

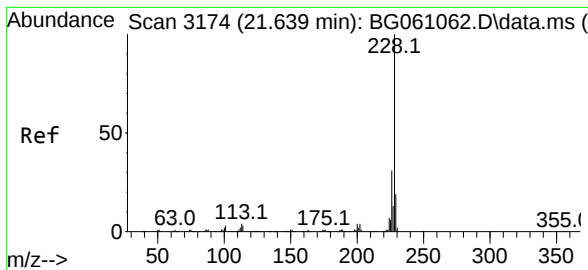


#81
 Benzo(a)anthracene
 Concen: 14.648 ng
 RT: 21.550 min Scan# 3159
 Delta R.T. -0.025 min
 Lab File: BG061237.D
 Acq: 17 May 2024 13:48



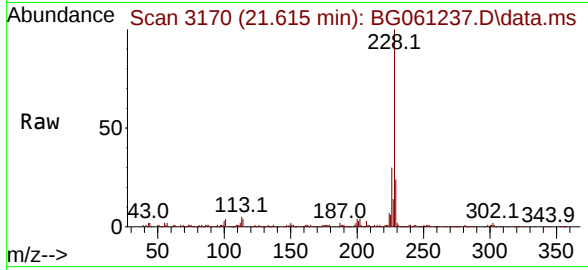
Tgt Ion:228 Resp: 178016
 Ion Ratio Lower Upper
 228 100
 226 26.5 21.6 32.4
 229 20.6 15.0 22.4





#83
Chrysene
Concen: 14.812 ng m
RT: 21.615 min Scan# 3174
Delta R.T. -0.025 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

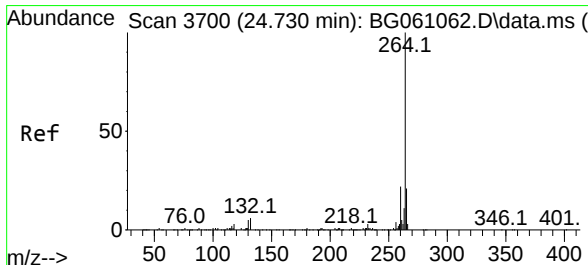
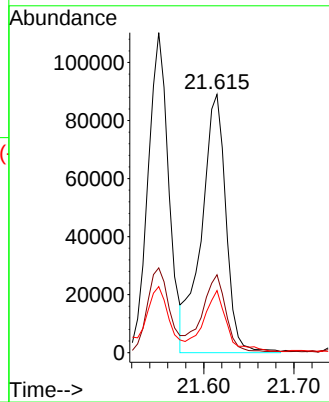
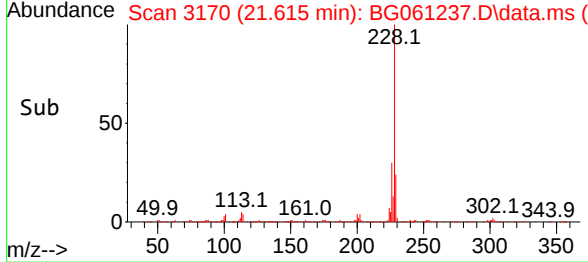
Instrument :
BNA_G
ClientSampleId :
P-01-229



Tgt Ion:228 Resp: 168640
Ion Ratio Lower Upper
228 100
226 30.2 24.4 36.6
229 24.1 14.8 22.2

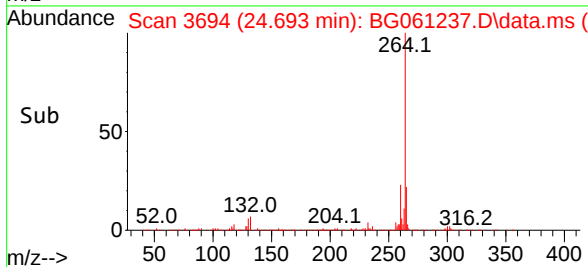
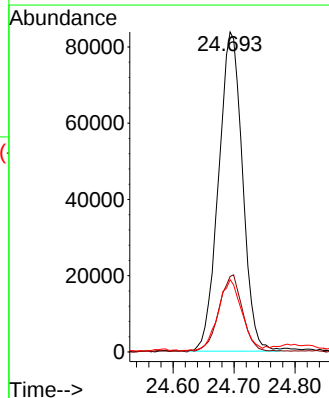
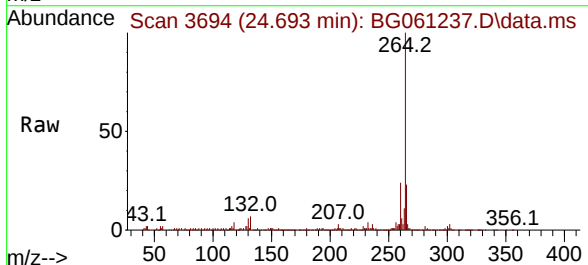
Manual Integrations
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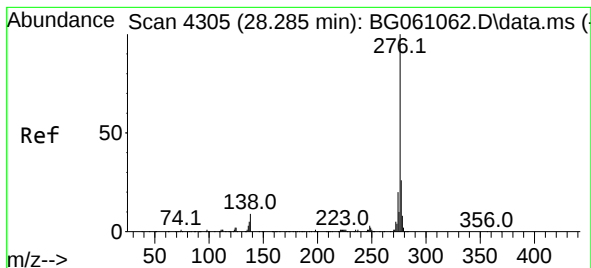
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.693 min Scan# 3694
Delta R.T. -0.037 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

Tgt Ion:264 Resp: 228697
Ion Ratio Lower Upper
264 100
260 23.6 17.7 26.5
265 22.6 16.4 24.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.492 ng

RT: 28.242 min Scan# 41

Delta R.T. -0.042 min

Lab File: BG061237.D

Acq: 17 May 2024 13:48

Instrument :

BNA_G

ClientSampleId :

P-01-229

Tgt Ion:276 Resp: 11354

Ion Ratio Lower Upper

276 100

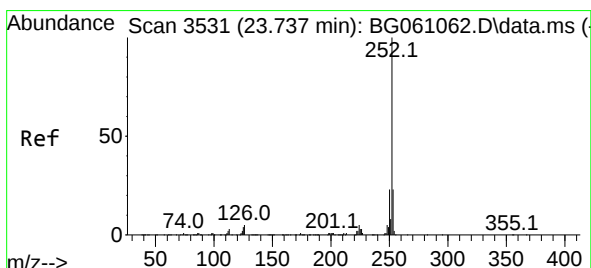
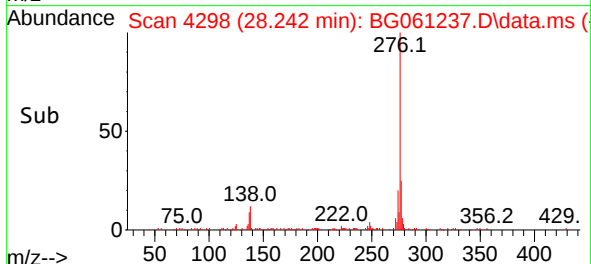
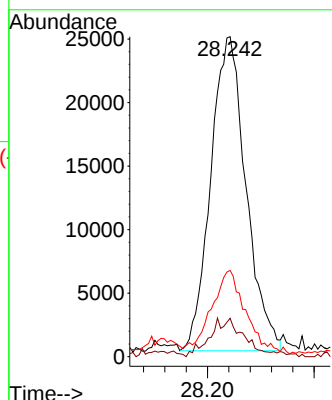
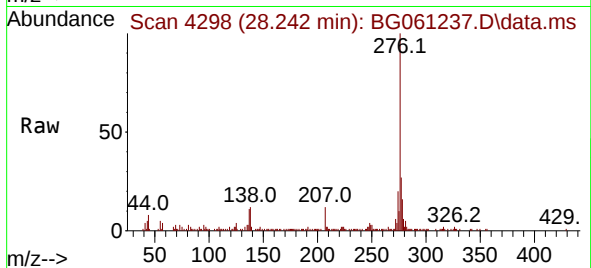
138 0.0 5.1 7.7

277 26.1 20.6 30.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#88

Benzo(b)fluoranthene

Concen: 17.119 ng

RT: 23.700 min Scan# 3525

Delta R.T. -0.037 min

Lab File: BG061237.D

Acq: 17 May 2024 13:48

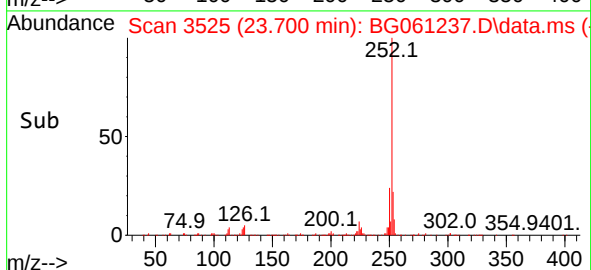
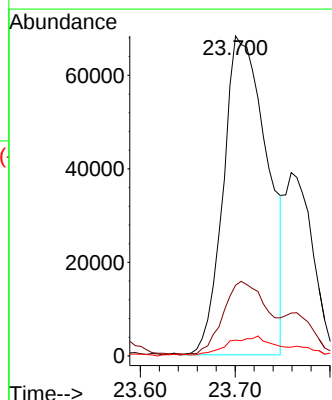
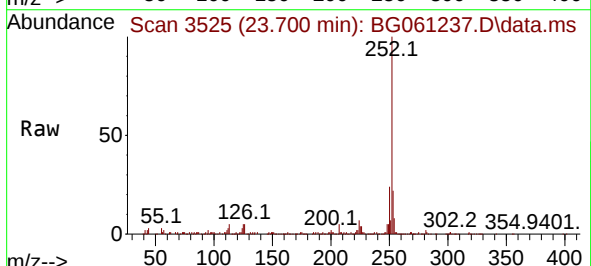
Tgt Ion:252 Resp: 218773

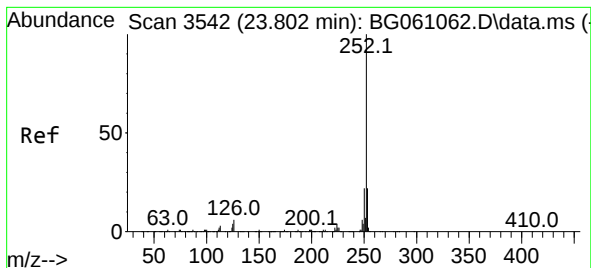
Ion Ratio Lower Upper

252 100

253 22.1 18.2 27.2

125 4.9 3.4 5.0





#89

Benzo(k)fluoranthene

Concen: 6.370 ng m

RT: 23.759 min Scan# 3

Delta R.T. -0.042 min

Lab File: BG061237.D

Acq: 17 May 2024 13:48

Instrument :

BNA_G

ClientSampleId :

P-01-229

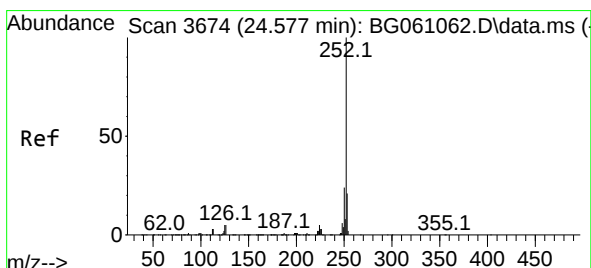
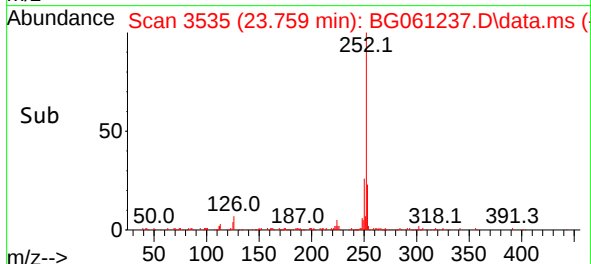
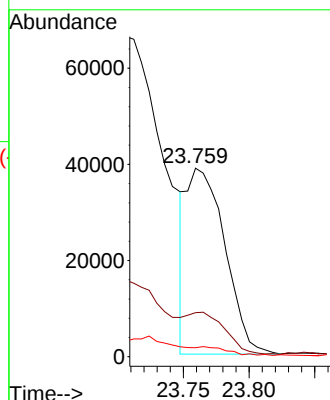
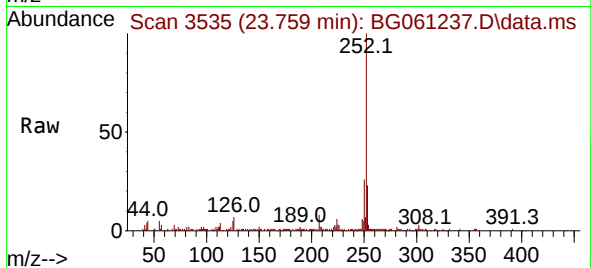
Tgt Ion:252 Resp: 7831

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.3	25.9
125	4.8	3.2	4.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#90

Benzo(a)pyrene

Concen: 14.549 ng

RT: 24.541 min Scan# 3668

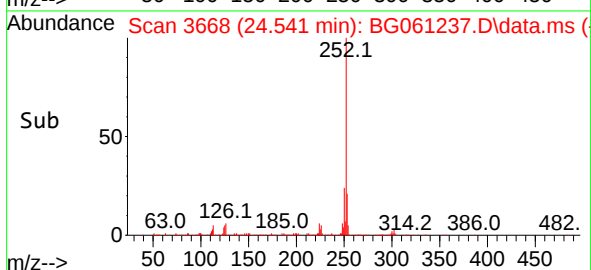
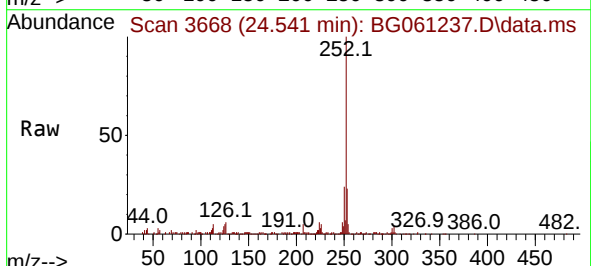
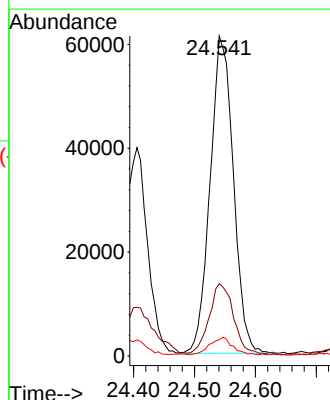
Delta R.T. -0.037 min

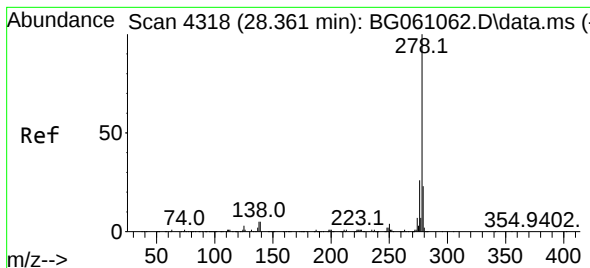
Lab File: BG061237.D

Acq: 17 May 2024 13:48

Tgt Ion:252 Resp: 161984

Ion	Ratio	Lower	Upper
252	100		
253	22.6	16.9	25.3
125	5.1	3.8	5.8





#91

Dibenzo(a,h)anthracene

Concen: 2.392 ng

RT: 28.289 min Scan# 41

Delta R.T. -0.072 min

Lab File: BG061237.D

Acq: 17 May 2024 13:48

Instrument :

BNA_G

ClientSampleId :

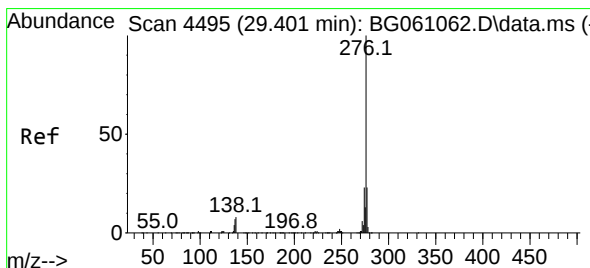
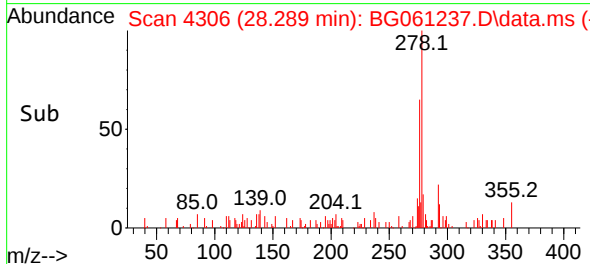
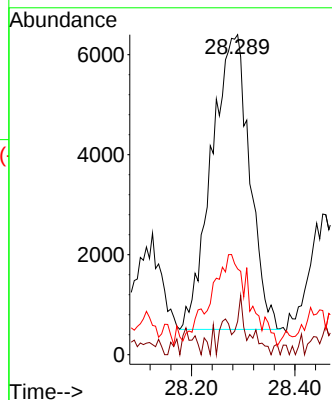
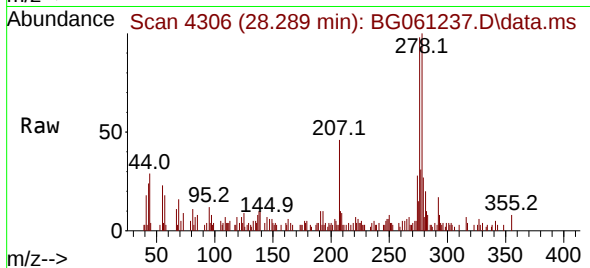
P-01-229

Tgt Ion:278 Resp: 3002
 Ion Ratio Lower Upper
 278 100
 139 10.4 4.2 6.2
 279 26.8 18.0 27.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/20/2024
 Supervised By :mohammad ahmed 05/22/2024



#92

Benzo(g,h,i)perylene

Concen: 8.741 ng

RT: 29.347 min Scan# 4486

Delta R.T. -0.054 min

Lab File: BG061237.D

Acq: 17 May 2024 13:48

Tgt Ion:276 Resp: 109023
 Ion Ratio Lower Upper
 276 100
 277 24.3 18.2 27.4
 138 10.7 6.2 9.2#

