

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062223\
 Data File : BG057823.D
 Acq On : 23 Jun 2023 1:08
 Operator : CG/JU
 Sample : 03308-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-RIGHT

Quant Time: Jun 23 03:48:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 03:40:38 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.921	152	35977	20.000	ng	0.00
21) Naphthalene-d8	10.724	136	170159	20.000	ng	0.00
39) Acenaphthene-d10	14.554	164	125913	20.000	ng	0.00
64) Phenanthrene-d10	17.298	188	289883	20.000	ng	0.00
76) Chrysene-d12	21.546	240	249464	20.000	ng	-0.01
86) Perylene-d12	24.695	264	307125	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.489	112	195526	83.799	ng	0.00
7) Phenol-d6	7.081	99	298565	83.861	ng	0.00
23) Nitrobenzene-d5	9.078	82	167178	50.424	ng	-0.01
42) 2,4,6-Tribromophenol	16.041	330	142719	81.370	ng	0.00
45) 2-Fluorobiphenyl	13.180	172	417347	50.273	ng	0.00
79) Terphenyl-d14	19.913	244	712408	53.250	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.339	178	65258	4.649	ng	97
75) Fluoranthene	19.349	202	111215	6.651	ng	98
78) Pyrene	19.707	202	96322	5.413	ng	98
81) Benzo(a)anthracene	21.529	228	50949	2.977	ng	98
83) Chrysene	21.593	228	53645m	3.266	ng	
88) Benzo(b)fluoranthene	23.697	252	73570	4.371	ng	94
90) Benzo(a)pyrene	24.543	252	49614	3.002	ng	96
92) Benzo(g,h,i)perylene	29.384	276	38551	2.311	ng	94

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

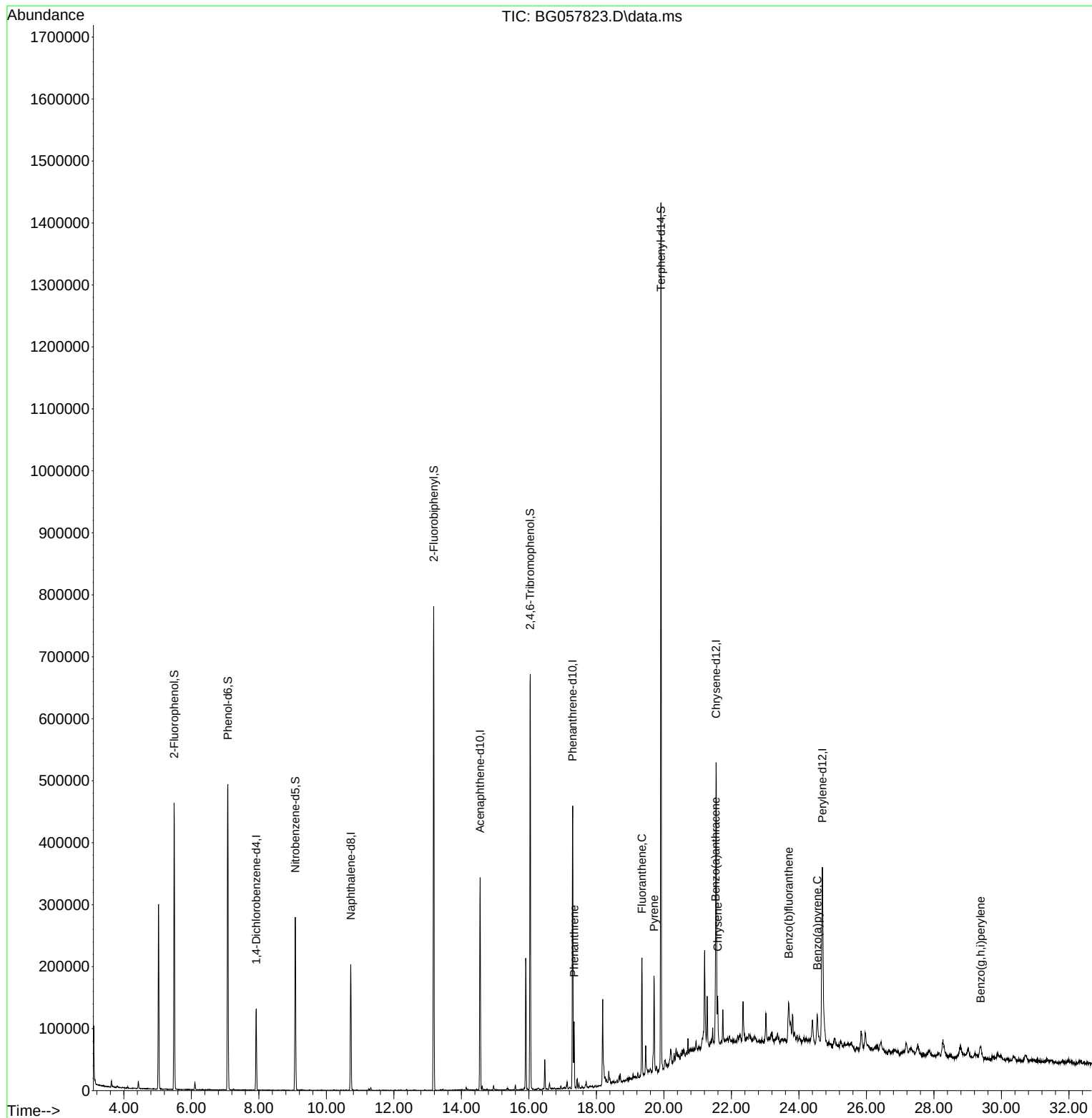
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062223\
Data File : BG057823.D
Acq On : 23 Jun 2023 1:08
Operator : CG/JU
Sample : 03308-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

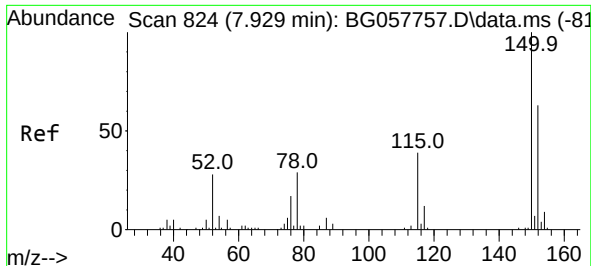
Instrument :
BNA_G
ClientSampleId :
SP-RIGHT

Quant Time: Jun 23 03:48:29 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
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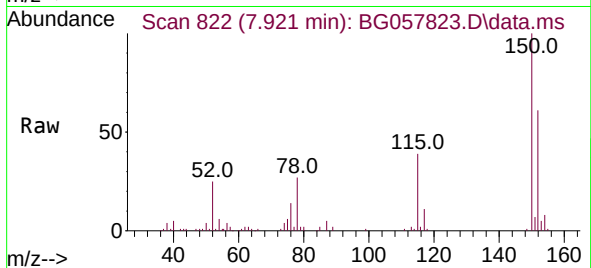
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.921 min Scan# 81
Delta R.T. -0.008 min
Lab File: BG057823.D
Acq: 23 Jun 2023 1:08

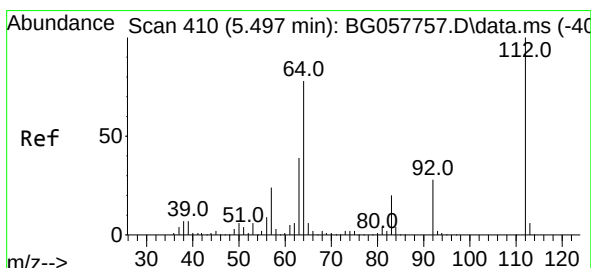
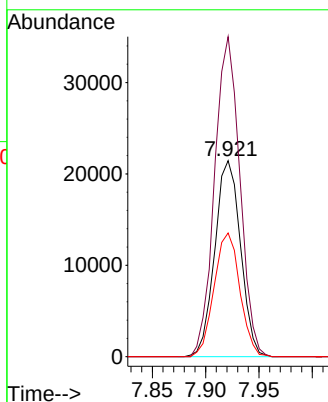
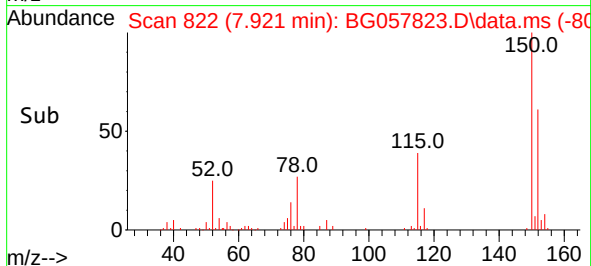
Instrument :
BNA_G
ClientSampleId :
SP-RIGHT



Tgt Ion:152 Resp: 3597
Ion Ratio Lower Upper
152 100
150 163.3 126.6 189.8
115 63.2 48.9 73.3

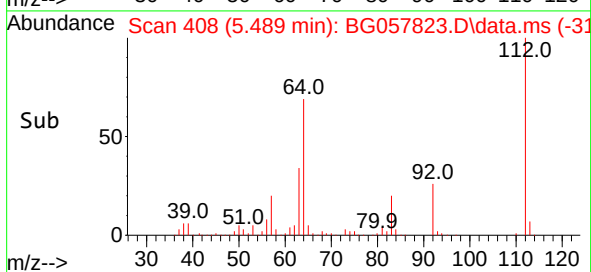
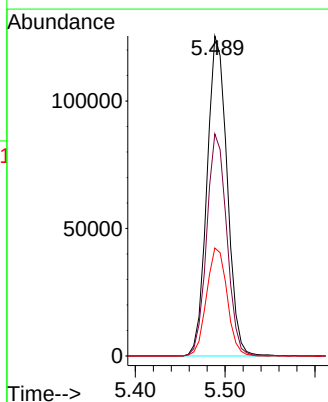
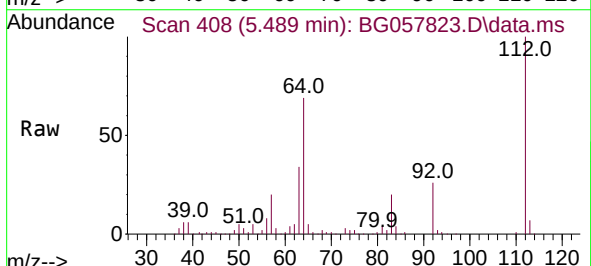
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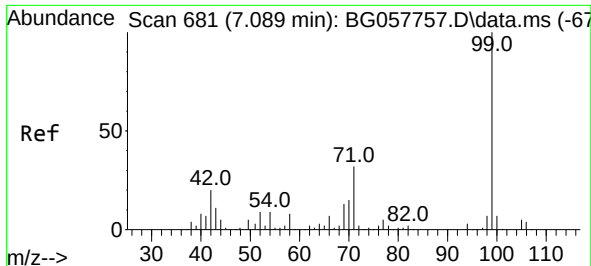
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#5
2-Fluorophenol
Concen: 83.799 ng
RT: 5.489 min Scan# 408
Delta R.T. -0.008 min
Lab File: BG057823.D
Acq: 23 Jun 2023 1:08

Tgt Ion:112 Resp: 195526
Ion Ratio Lower Upper
112 100
64 69.4 62.1 93.1
63 33.8 31.5 47.3





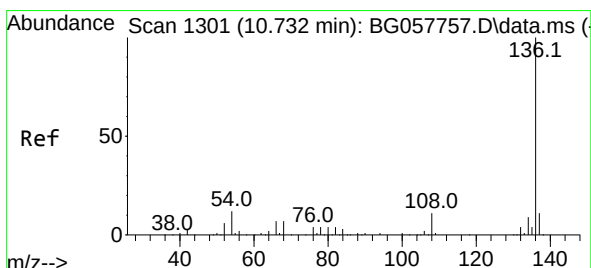
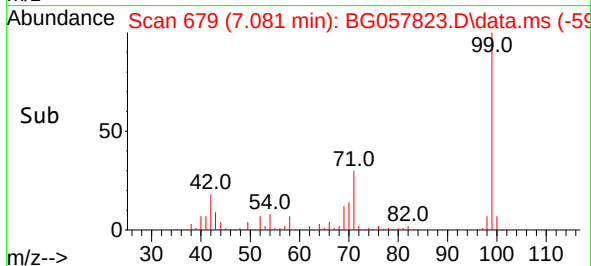
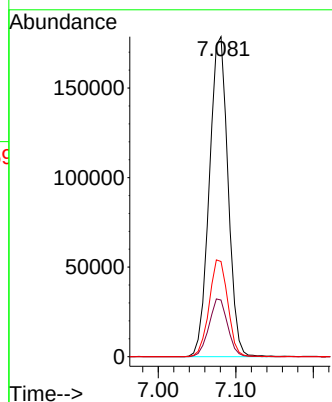
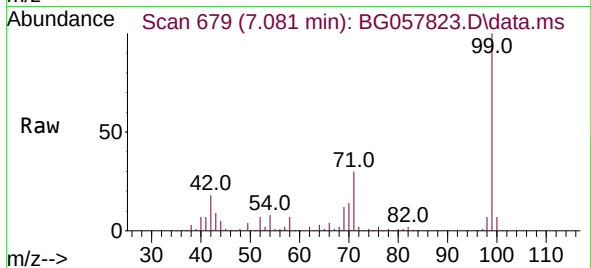
#7
Phenol-d6
Concen: 83.861 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.008 min
Lab File: BG057823.D
Acq: 23 Jun 2023 1:08

Instrument :
BNA_G
ClientSampleId :
SP-RIGHT

Tgt Ion: 99 Resp: 29856
Ion Ratio Lower Upper
99 100
42 17.7 16.4 24.6
71 29.8 25.8 38.6

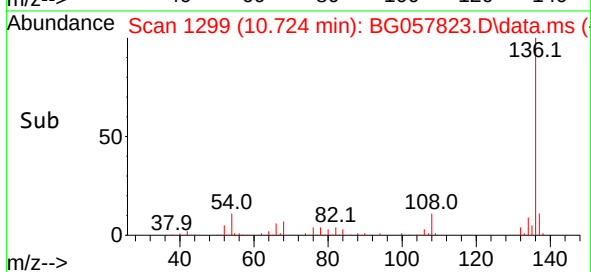
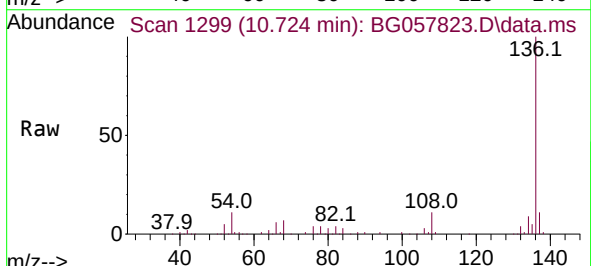
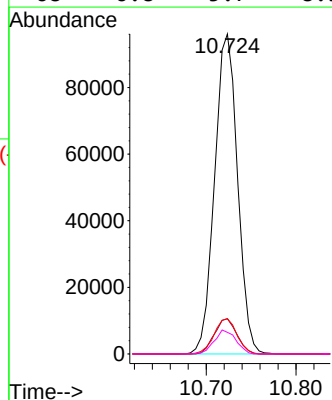
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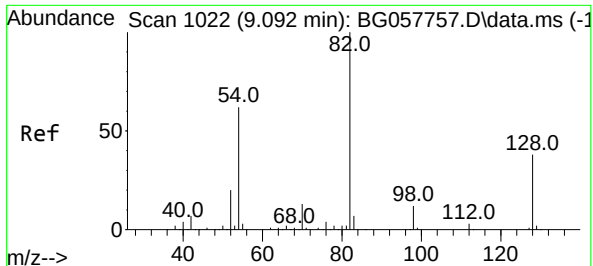
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.724 min Scan# 1299
Delta R.T. -0.008 min
Lab File: BG057823.D
Acq: 23 Jun 2023 1:08

Tgt Ion:136 Resp: 170159
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 11.1 9.5 14.3
68 6.8 5.7 8.5





#23

Nitrobenzene-d5

Concen: 50.424 ng

RT: 9.078 min Scan# 1019

Delta R.T. -0.014 min

Lab File: BG057823.D

Acq: 23 Jun 2023 1:08

Instrument :

BNA_G

ClientSampleId :

SP-RIGHT

Tgt Ion: 82 Resp: 167178

Ion Ratio Lower Upper

82 100

128 37.0 30.7 46.1

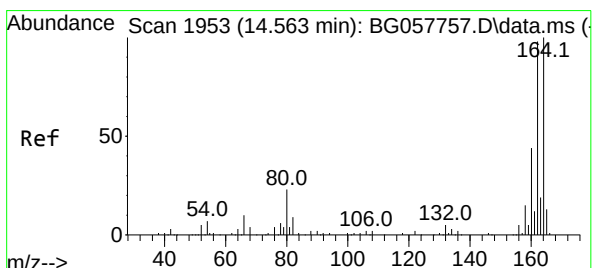
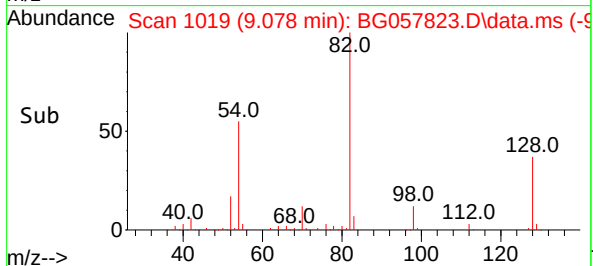
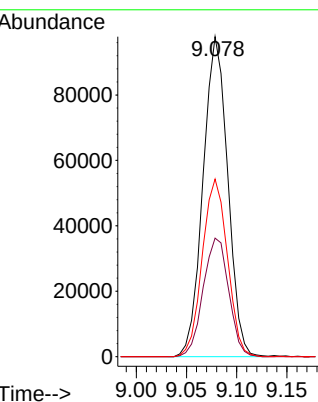
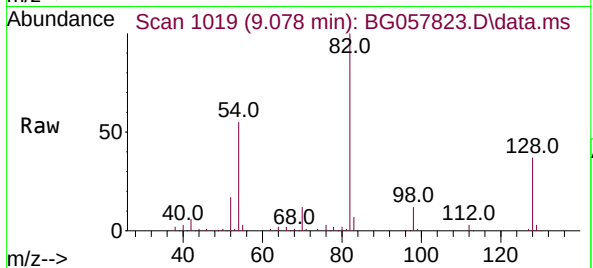
54 55.5 49.6 74.4

Manual Integrations

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Reviewed By :Yogesh Patel 06/23/2023

Supervised By :mohammad ahmed 06/23/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.554 min Scan# 1951

Delta R.T. -0.008 min

Lab File: BG057823.D

Acq: 23 Jun 2023 1:08

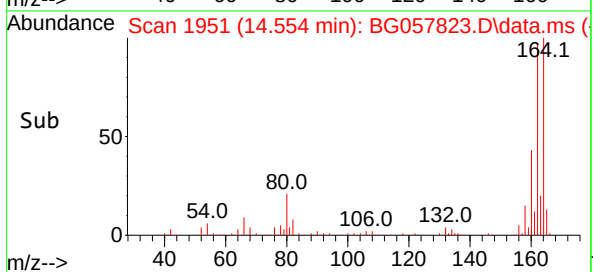
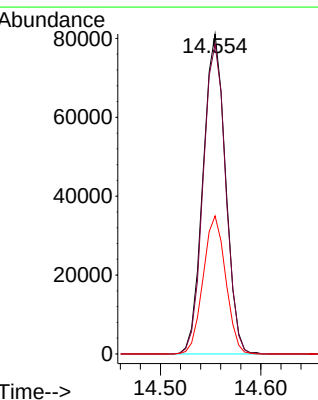
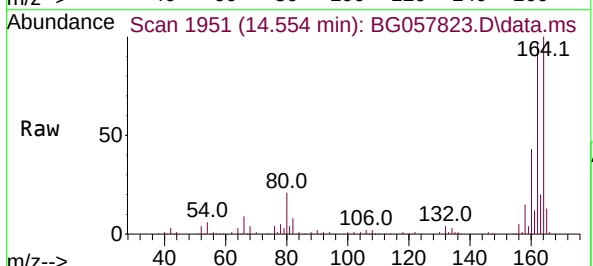
Tgt Ion:164 Resp: 125913

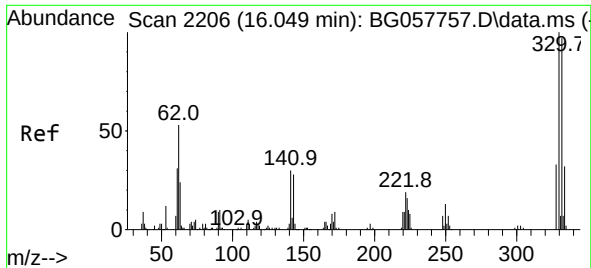
Ion Ratio Lower Upper

164 100

162 96.7 78.3 117.5

160 43.1 35.4 53.0





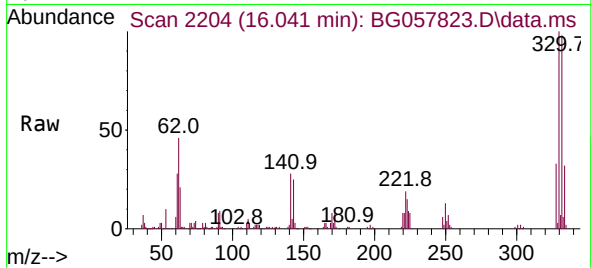
#42
2,4,6-Tribromophenol
Concen: 81.370 ng
RT: 16.041 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG057823.D
Acq: 23 Jun 2023 1:08

Instrument :

BNA_G

ClientSampleId :

SP-RIGHT



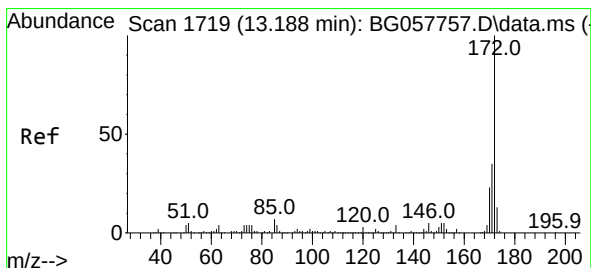
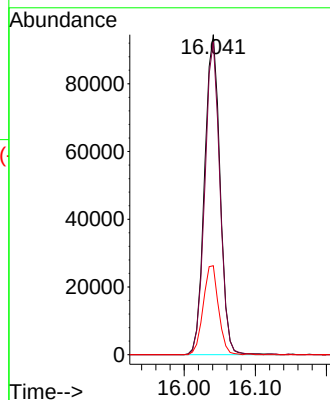
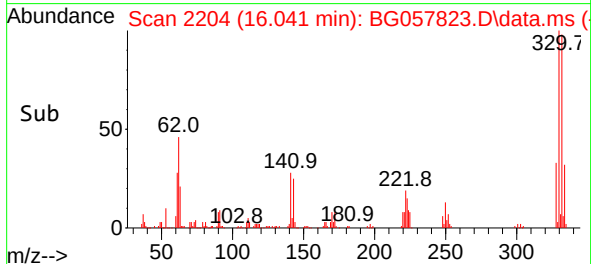
Tgt Ion:330 Resp: 142719
Ion Ratio Lower Upper
330 100
332 95.1 76.6 115.0
141 27.6 24.7 37.1

Manual Integrations

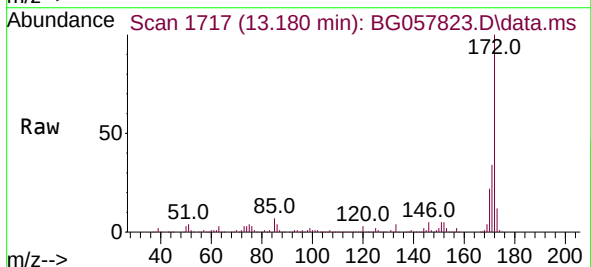
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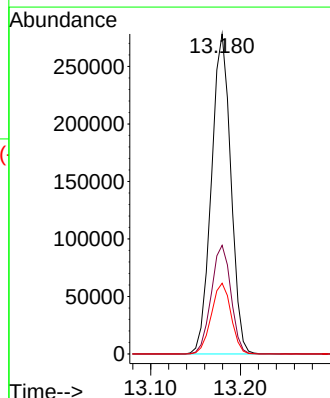
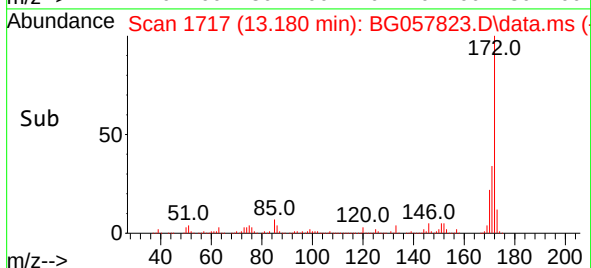
Supervised By :mohammad ahmed 06/23/2023

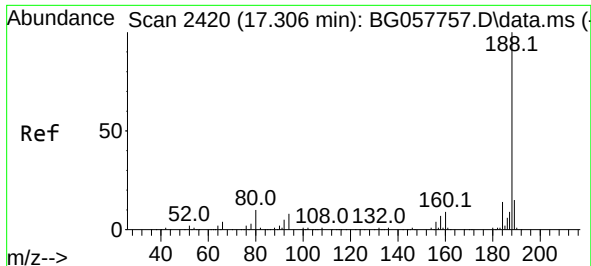


#45
2-Fluorobiphenyl
Concen: 50.273 ng
RT: 13.180 min Scan# 1717
Delta R.T. -0.008 min
Lab File: BG057823.D
Acq: 23 Jun 2023 1:08



Tgt Ion:172 Resp: 417347
Ion Ratio Lower Upper
172 100
171 33.9 28.1 42.1
170 22.1 18.6 27.8





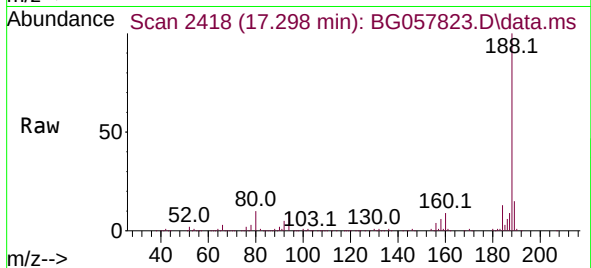
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.298 min Scan# 2418
Delta R.T. -0.008 min
Lab File: BG057823.D
Acq: 23 Jun 2023 1:08

Instrument :

BNA_G

ClientSampleId :

SP-RIGHT

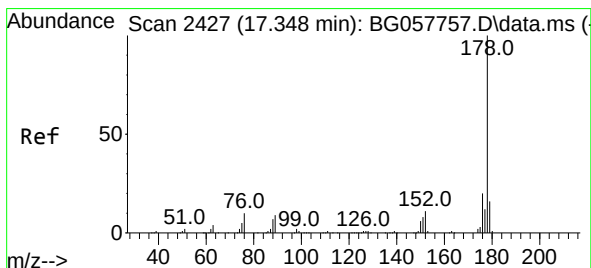
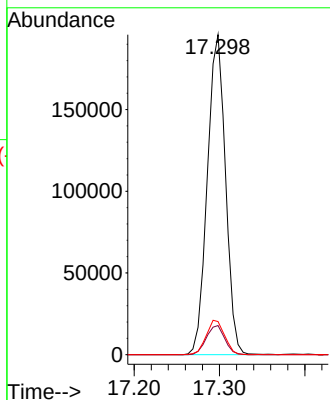
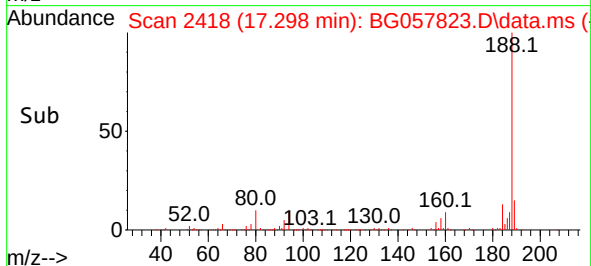


Tgt Ion:188 Resp: 28988
Ion Ratio Lower Upper
188 100
94 9.1 6.6 9.8
80 10.4 7.6 11.4

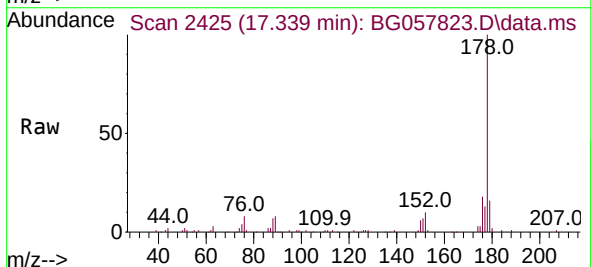
Manual Integrations

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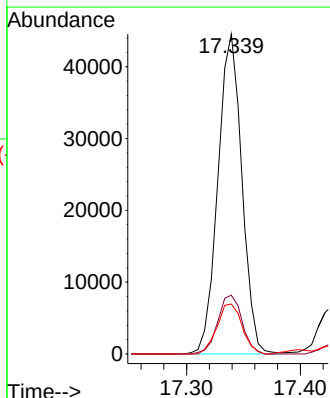
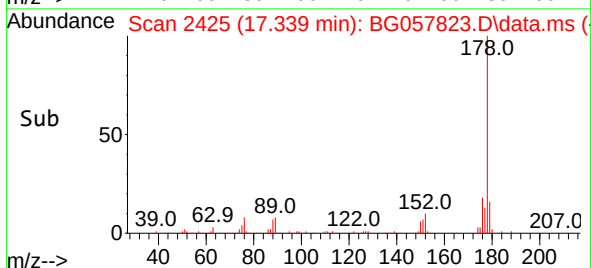
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

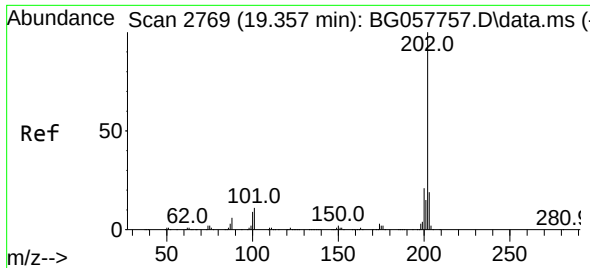


#71
Phenanthrene
Concen: 4.649 ng
RT: 17.339 min Scan# 2425
Delta R.T. -0.008 min
Lab File: BG057823.D
Acq: 23 Jun 2023 1:08



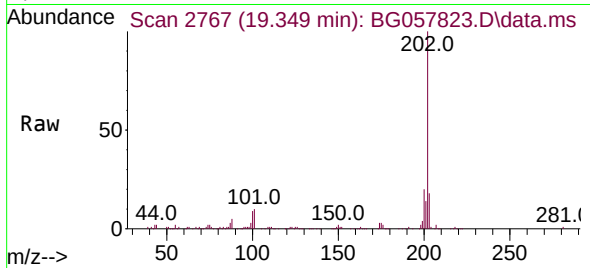
Tgt Ion:178 Resp: 65258
Ion Ratio Lower Upper
178 100
176 18.4 16.3 24.5
179 15.6 13.0 19.6





#75
Fluoranthene
Concen: 6.651 ng
RT: 19.349 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG057823.D
Acq: 23 Jun 2023 1:08

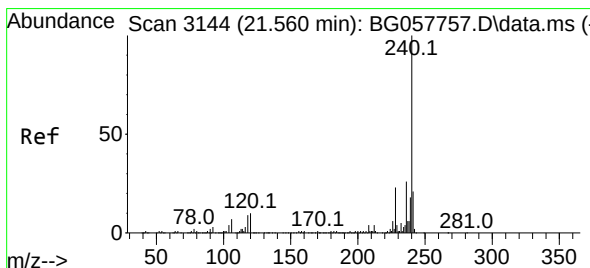
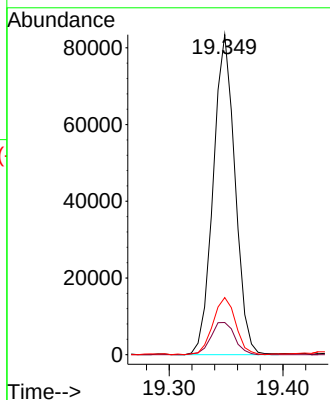
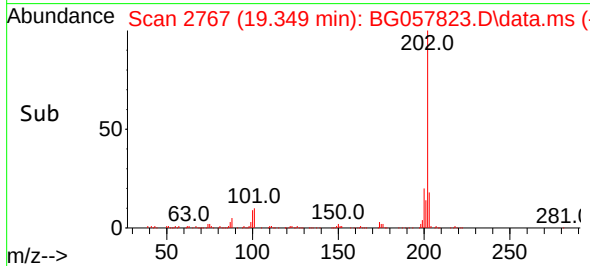
Instrument :
BNA_G
ClientSampleId :
SP-RIGHT



Tgt Ion:202 Resp: 111215
Ion Ratio Lower Upper
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101 10.1 0.0 31.3
203 17.9 0.0 38.7

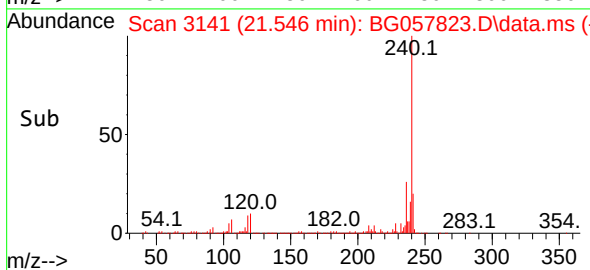
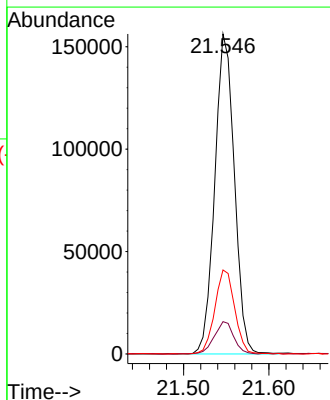
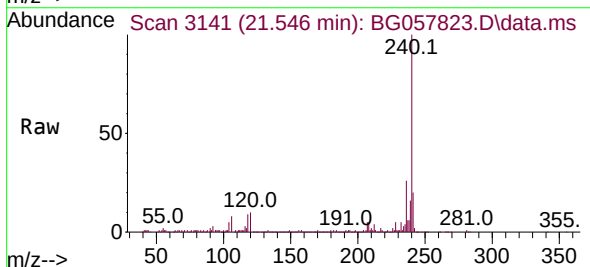
Manual Integrations
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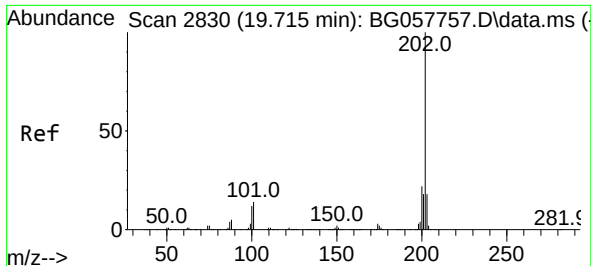
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.546 min Scan# 3141
Delta R.T. -0.014 min
Lab File: BG057823.D
Acq: 23 Jun 2023 1:08

Tgt Ion:240 Resp: 249464
Ion Ratio Lower Upper
240 100
120 10.1 8.1 12.1
236 26.2 20.6 30.8





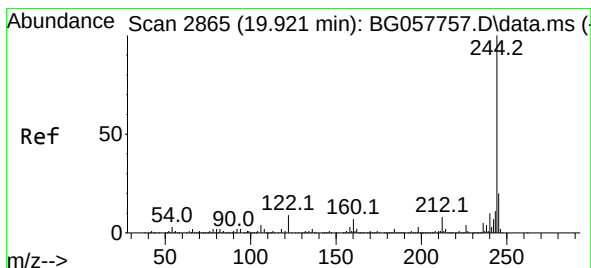
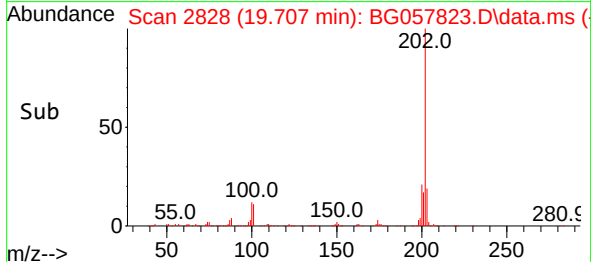
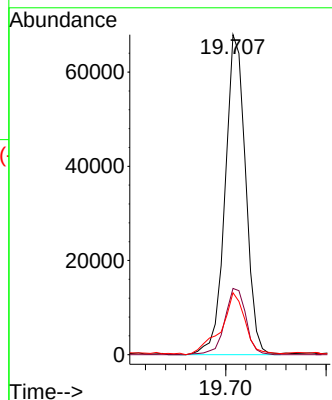
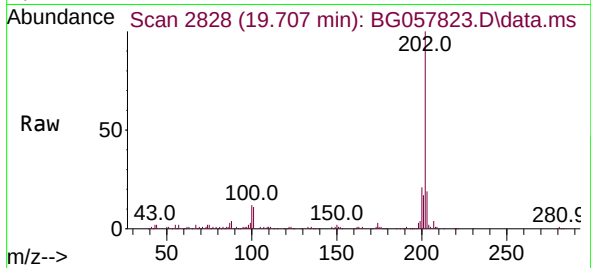
#78
 Pyrene
 Concen: 5.413 ng
 RT: 19.707 min Scan# 2828
 Delta R.T. -0.008 min
 Lab File: BG057823.D
 Acq: 23 Jun 2023 1:08

Instrument :
 BNA_G
 ClientSampleId :
 SP-RIGHT

Tgt Ion:202 Resp: 9632
 Ion Ratio Lower Upper
 202 100
 200 20.7 17.4 26.0
 203 19.4 14.6 22.0

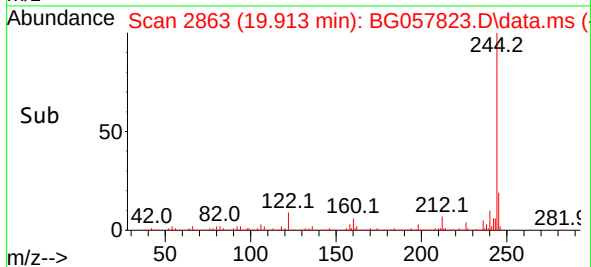
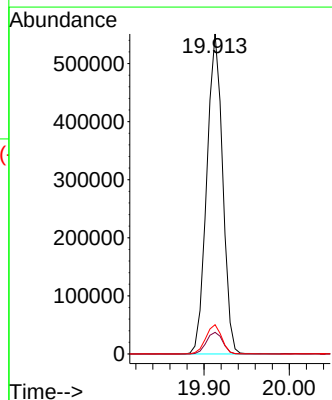
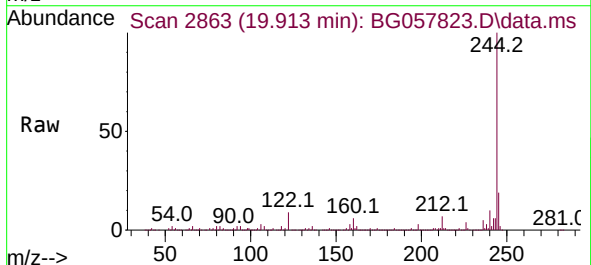
Manual Integrations
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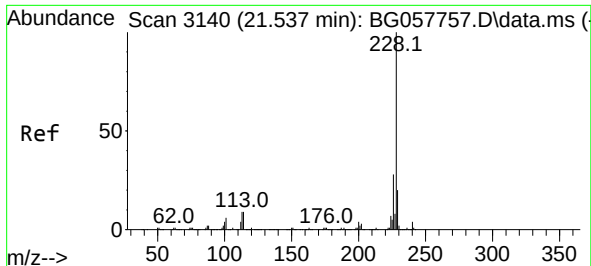
Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023



#79
 Terphenyl-d14
 Concen: 53.250 ng
 RT: 19.913 min Scan# 2863
 Delta R.T. -0.008 min
 Lab File: BG057823.D
 Acq: 23 Jun 2023 1:08

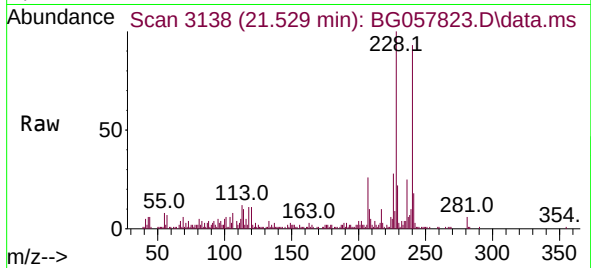
Tgt Ion:244 Resp: 712408
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.1 9.1
 122 9.1 7.6 11.4





#81
Benzo(a)anthracene
Concen: 2.977 ng
RT: 21.529 min Scan# 3140
Delta R.T. -0.008 min
Lab File: BG057823.D
Acq: 23 Jun 2023 1:08

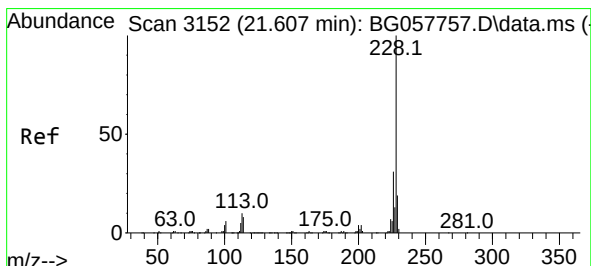
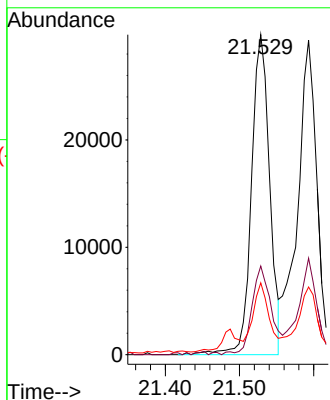
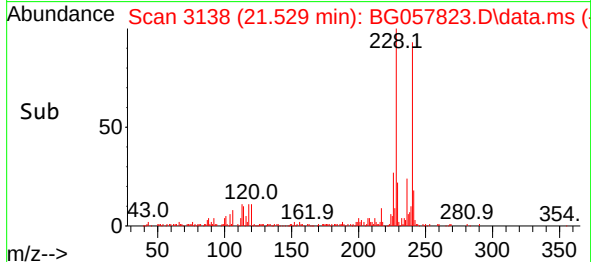
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BNA_G
ClientSampleId :
SP-RIGHT



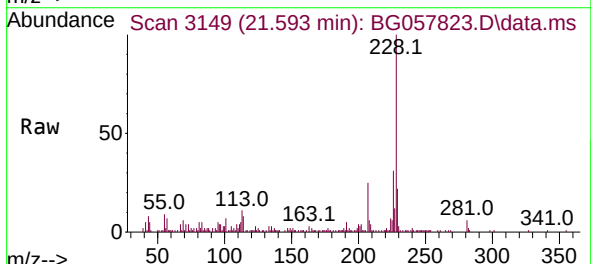
Tgt Ion:228 Resp: 50949
Ion Ratio Lower Upper
228 100
226 27.7 22.3 33.5
229 22.5 16.3 24.5

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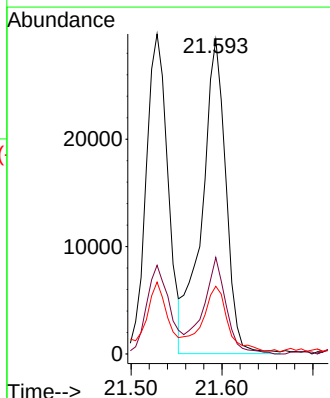
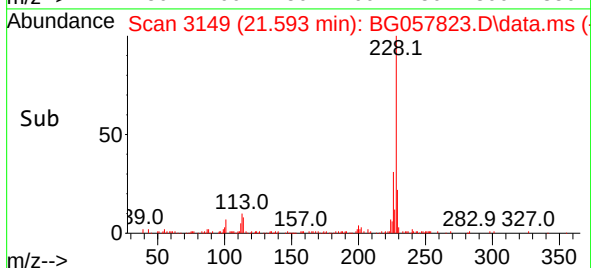
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

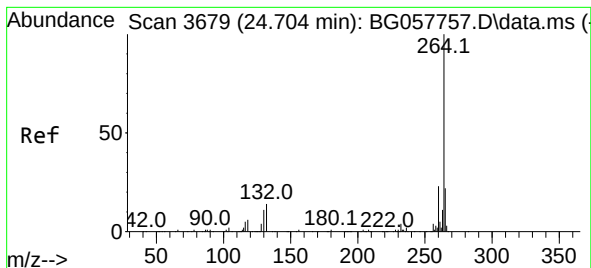


#83
Chrysene
Concen: 3.266 ng m
RT: 21.593 min Scan# 3149
Delta R.T. -0.014 min
Lab File: BG057823.D
Acq: 23 Jun 2023 1:08



Tgt Ion:228 Resp: 53645
Ion Ratio Lower Upper
228 100
226 30.7 24.8 37.2
229 21.5 15.6 23.4





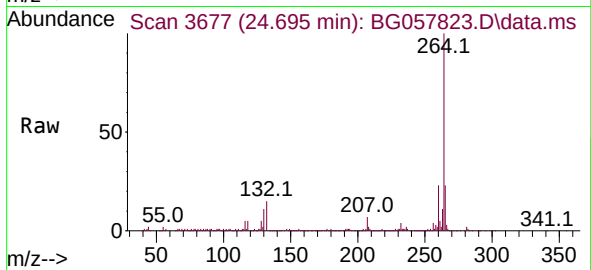
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.695 min Scan# 30712
 Delta R.T. -0.008 min
 Lab File: BG057823.D
 Acq: 23 Jun 2023 1:08

Instrument :

BNA_G

ClientSampleId :

SP-RIGHT

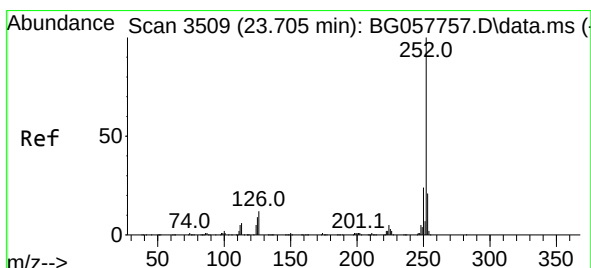
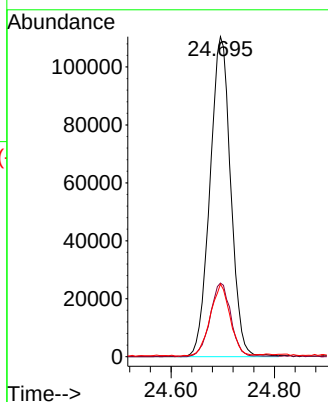
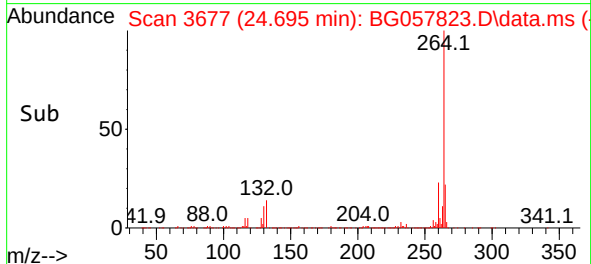


Tgt Ion:264 Resp: 30712
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.5 27.7
 265 22.7 17.4 26.2

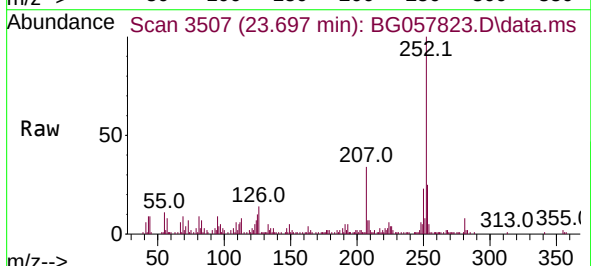
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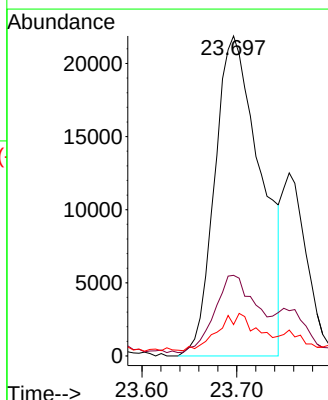
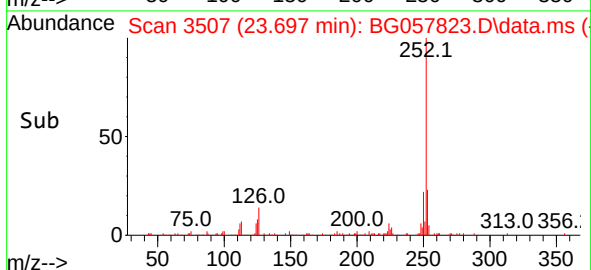
Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023

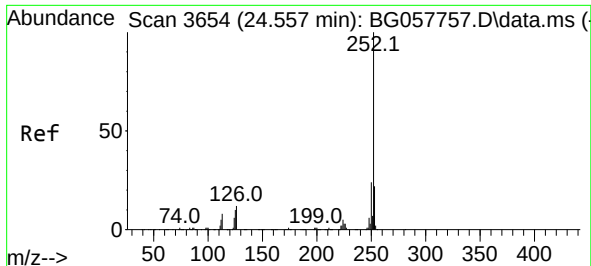


#88
 Benzo(b)fluoranthene
 Concen: 4.371 ng
 RT: 23.697 min Scan# 3507
 Delta R.T. -0.008 min
 Lab File: BG057823.D
 Acq: 23 Jun 2023 1:08



Tgt Ion:252 Resp: 73570
 Ion Ratio Lower Upper
 252 100
 253 25.2 17.1 25.7
 125 9.8 7.4 11.0





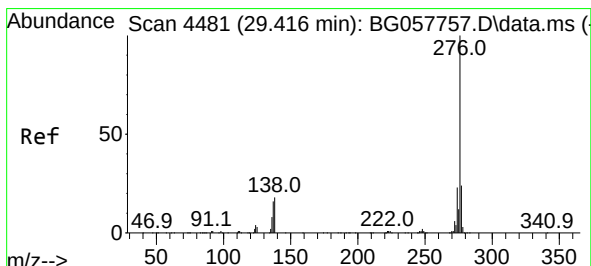
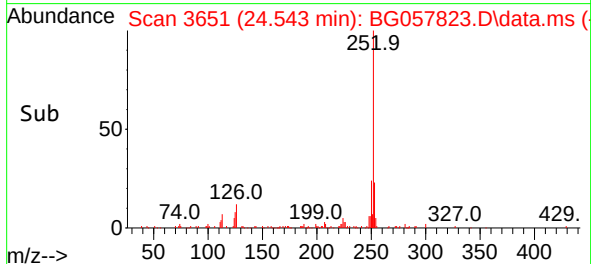
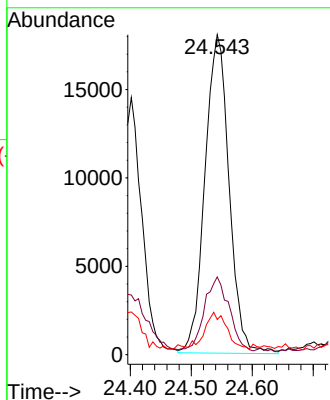
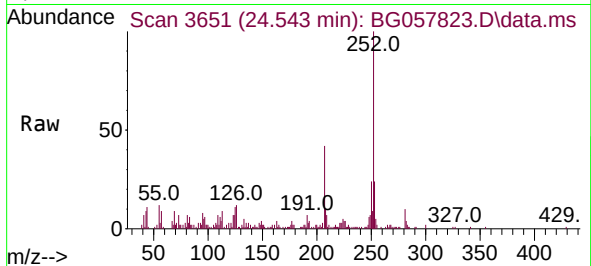
#90
Benzo(a)pyrene
Concen: 3.002 ng
RT: 24.543 min Scan# 30
Delta R.T. -0.014 min
Lab File: BG057823.D
Acq: 23 Jun 2023 1:08

Instrument :
BNA_G
ClientSampleId :
SP-RIGHT

Tgt Ion:252 Resp: 49614
Ion Ratio Lower Upper
252 100
253 24.3 17.4 26.2
125 11.0 8.0 12.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#92
Benzo(g,h,i)perylene
Concen: 2.311 ng
RT: 29.384 min Scan# 4475
Delta R.T. -0.032 min
Lab File: BG057823.D
Acq: 23 Jun 2023 1:08

Tgt Ion:276 Resp: 38551
Ion Ratio Lower Upper
276 100
277 27.6 19.4 29.0
138 20.3 14.2 21.4

