

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040124\
 Data File : BG060731.D
 Acq On : 2 Apr 2024 1:43
 Operator : MA/JU
 Sample : P1879-13 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HS-01(0-6)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/02/2024
 Supervised By :mohammad ahmed 04/02/2024

Quant Time: Apr 02 05:10:12 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 30 03:12:26 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.959	152	90515	20.000	ng	0.00
21) Naphthalene-d8	10.755	136	381444	20.000	ng	0.00
39) Acenaphthene-d10	14.586	164	248953	20.000	ng	0.00
64) Phenanthrene-d10	17.336	188	516748	20.000	ng	0.00
76) Chrysene-d12	21.602	240	452465	20.000	ng	0.00
86) Perylene-d12	24.751	264	414172	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.538	112	189441	34.866	ng	0.00
7) Phenol-d6	7.119	99	288019	35.711	ng	0.00
23) Nitrobenzene-d5	9.110	82	164159	24.557	ng	0.00
42) 2,4,6-Tribromophenol	16.073	330	114483	40.510	ng	0.00
45) 2-Fluorobiphenyl	13.211	172	435732	25.687	ng	0.00
79) Terphenyl-d14	19.956	244	668176	26.003	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.377	178	292642	10.889	ng	99
75) Fluoranthene	19.387	202	317629	9.740	ng	99
78) Pyrene	19.751	202	484565	15.313	ng	98
81) Benzo(a)anthracene	21.578	228	217910	6.832	ng	95
83) Chrysene	21.643	228	234911m	7.642	ng	
87) Indeno(1,2,3-cd)pyrene	28.329	276	74575m	2.557	ng	
88) Benzo(b)fluoranthene	23.764	252	178947m	7.521	ng	
89) Benzo(k)fluoranthene	23.811	252	70640m	2.901	ng	
90) Benzo(a)pyrene	24.604	252	141190m	6.106	ng	
92) Benzo(g,h,i)perylene	29.439	276	81364m	3.402	ng	

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

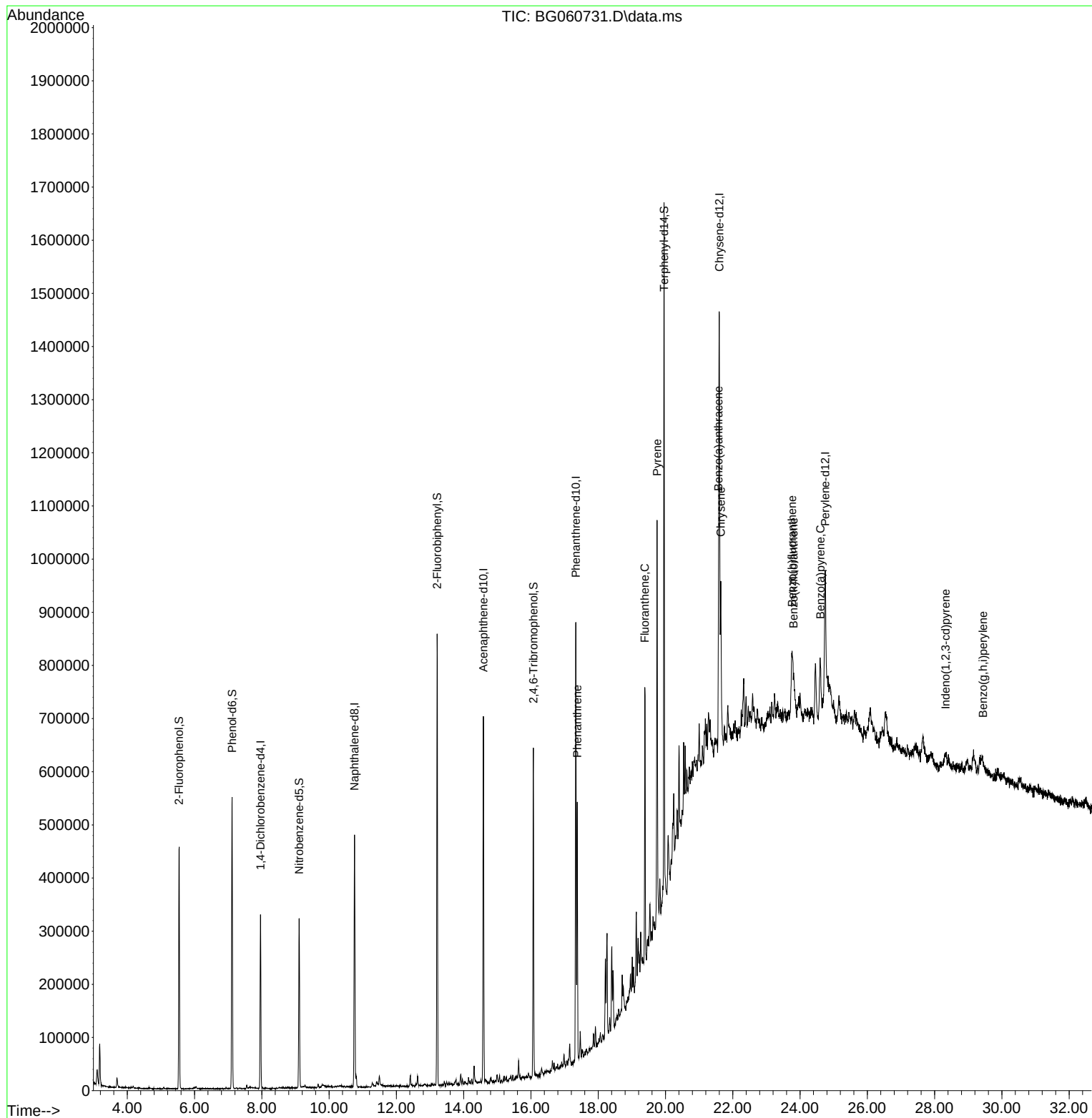
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040124\
Data File : BG060731.D
Acq On : 2 Apr 2024 1:43
Operator : MA/JU
Sample : P1879-13 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

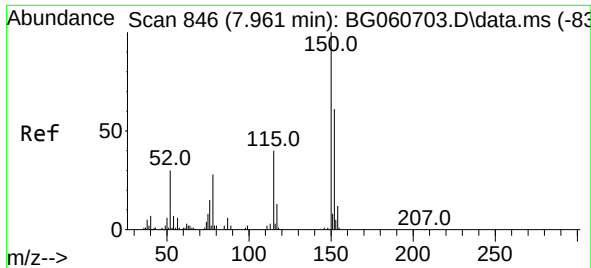
Instrument :
BNA_G
ClientSampleId :
HS-01(0-6)

Quant Time: Apr 02 05:10:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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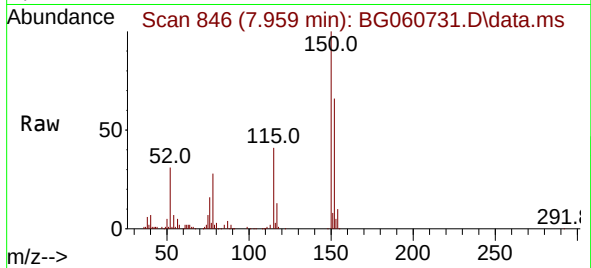
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.959 min Scan# 846
Delta R.T. -0.002 min
Lab File: BG060731.D
Acq: 2 Apr 2024 1:43

Instrument :

BNA_G

ClientSampleId :

HS-01(0-6)



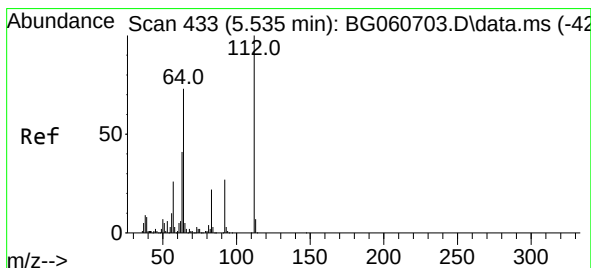
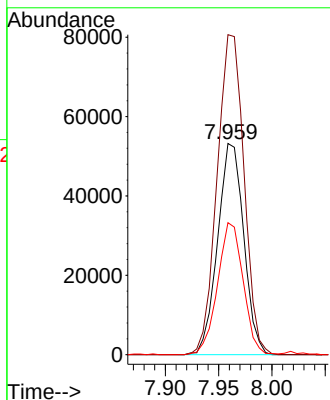
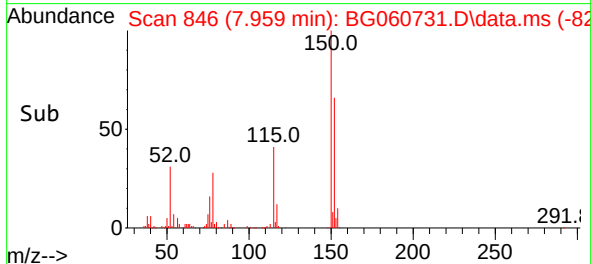
Tgt Ion:152 Resp: 90515
Ion Ratio Lower Upper
152 100
150 151.5 130.2 195.4
115 62.5 51.6 77.4

Manual Integrations

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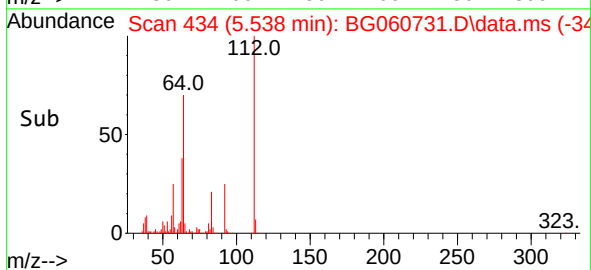
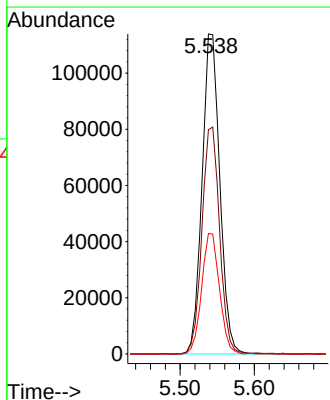
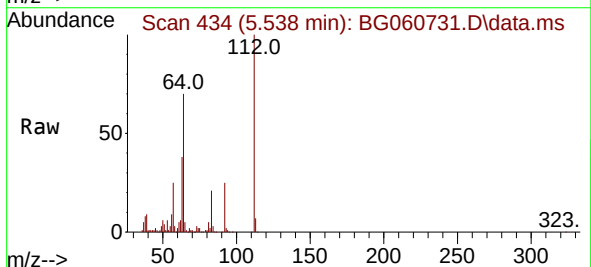
Reviewed By :Yogesh Patel 04/02/2024

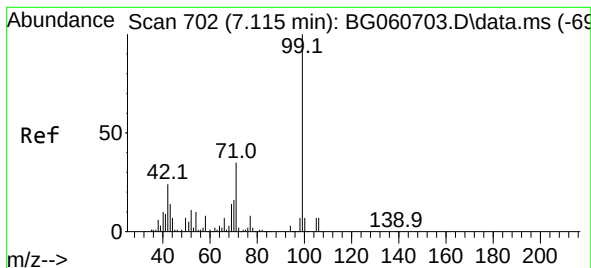
Supervised By :mohammad ahmed 04/02/2024



#5
2-Fluorophenol
Concen: 34.866 ng
RT: 5.538 min Scan# 434
Delta R.T. 0.003 min
Lab File: BG060731.D
Acq: 2 Apr 2024 1:43

Tgt Ion:112 Resp: 189441
Ion Ratio Lower Upper
112 100
64 70.1 58.4 87.6
63 37.6 32.7 49.1





#7

Phenol-d6

Concen: 35.711 ng

RT: 7.119 min Scan# 702

Delta R.T. 0.003 min

Lab File: BG060731.D

Acq: 2 Apr 2024 1:43

Instrument :

BNA_G

ClientSampleId :

HS-01(0-6)

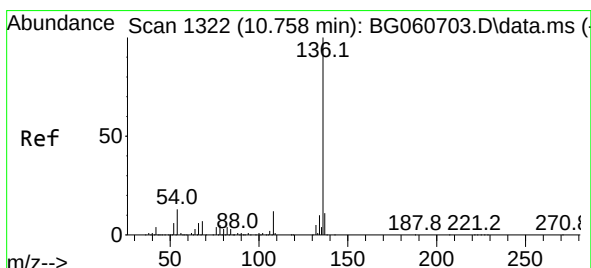
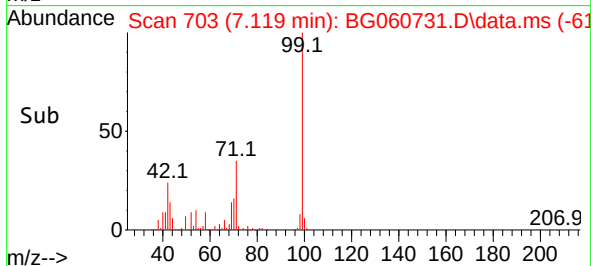
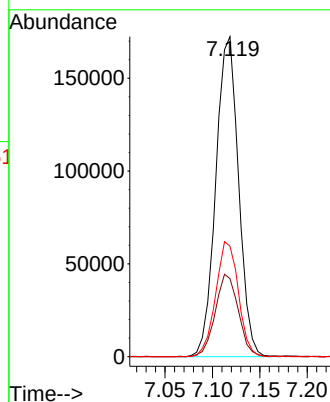
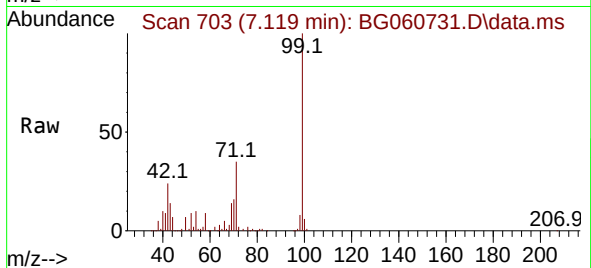
Tgt Ion: 99 Resp: 288019
 Ion Ratio Lower Upper
 99 100
 42 24.4 19.4 29.2
 71 34.6 28.2 42.2

Manual Integrations

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#21

Naphthalene-d8

Concen: 20.000 ng

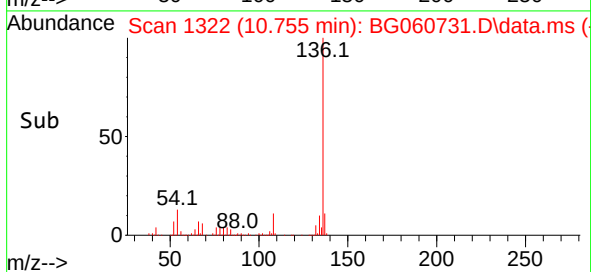
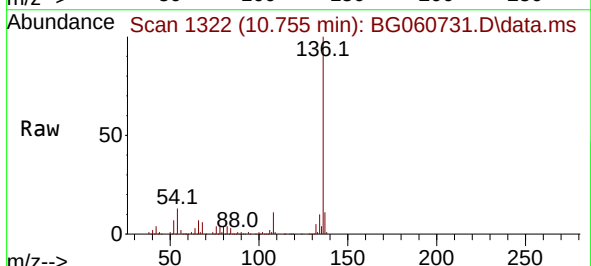
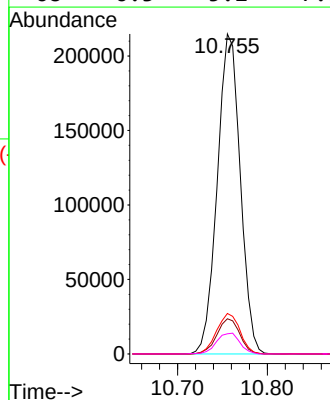
RT: 10.755 min Scan# 1322

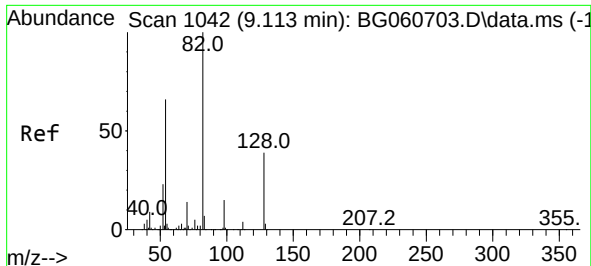
Delta R.T. -0.003 min

Lab File: BG060731.D

Acq: 2 Apr 2024 1:43

Tgt Ion:136 Resp: 381444
 Ion Ratio Lower Upper
 136 100
 137 11.0 8.8 13.2
 54 12.7 10.2 15.2
 68 6.3 5.2 7.8





#23

Nitrobenzene-d5

Concen: 24.557 ng

RT: 9.110 min Scan# 1042

Delta R.T. -0.003 min

Lab File: BG060731.D

Acq: 2 Apr 2024 1:43

Instrument :

BNA_G

ClientSampleId :

HS-01(0-6)

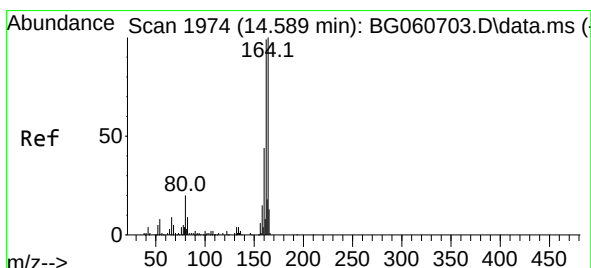
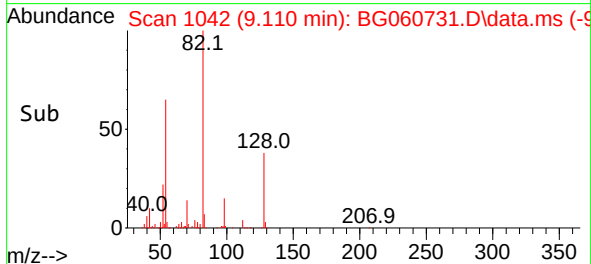
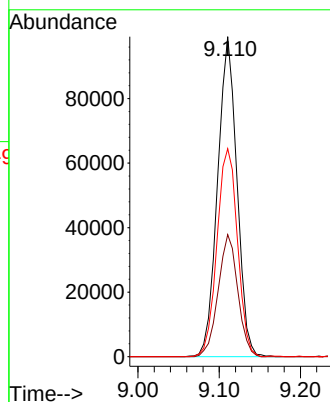
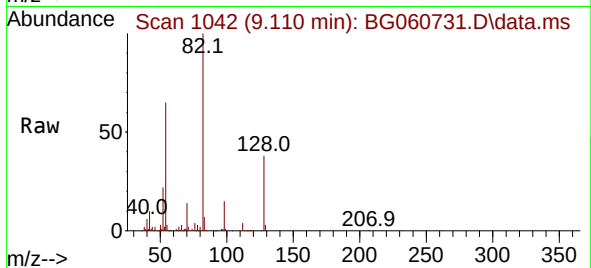
Tgt Ion: 82 Resp: 164159
 Ion Ratio Lower Upper
 82 100
 128 38.1 31.2 46.8
 54 65.0 53.2 79.8

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Supervised By :mohammad ahmed 04/02/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

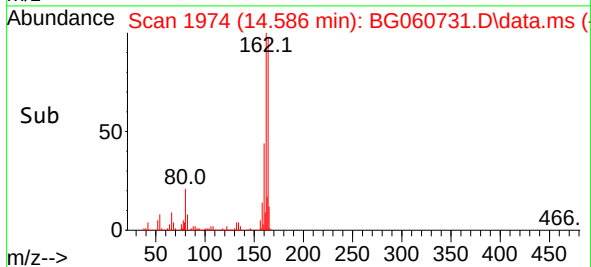
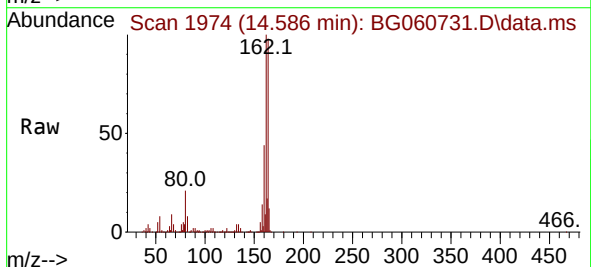
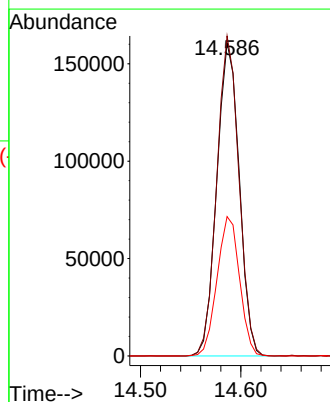
RT: 14.586 min Scan# 1974

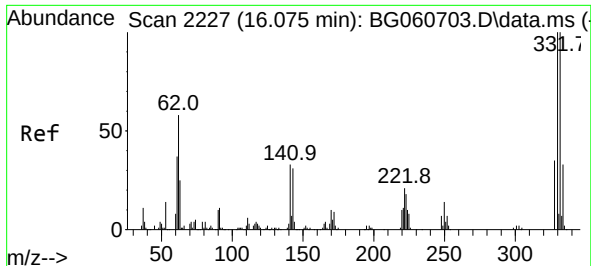
Delta R.T. -0.003 min

Lab File: BG060731.D

Acq: 2 Apr 2024 1:43

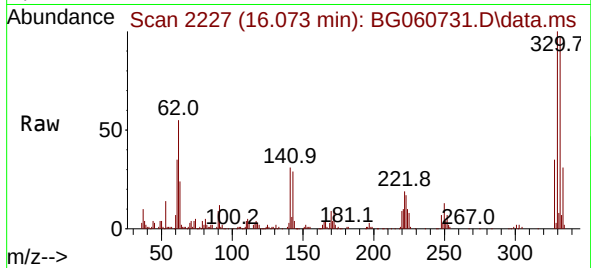
Tgt Ion:164 Resp: 248953
 Ion Ratio Lower Upper
 164 100
 162 102.2 79.5 119.3
 160 44.5 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 40.510 ng
RT: 16.073 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG060731.D
Acq: 2 Apr 2024 1:43

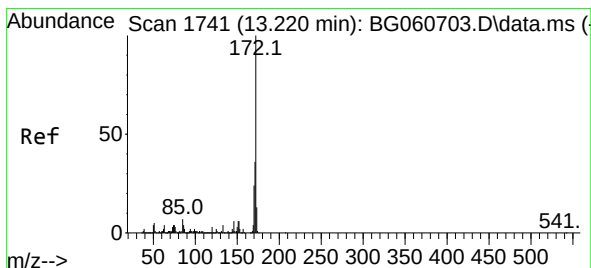
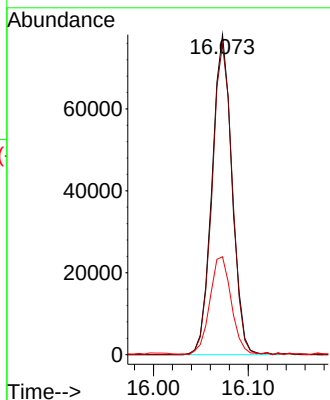
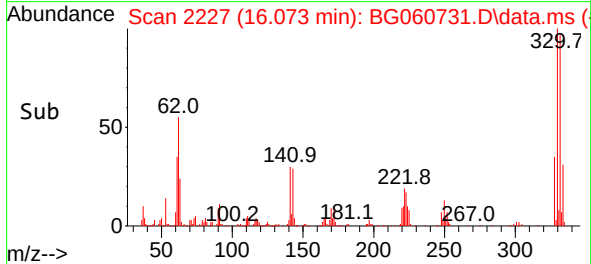
Instrument :
BNA_G
ClientSampleId :
HS-01(0-6)



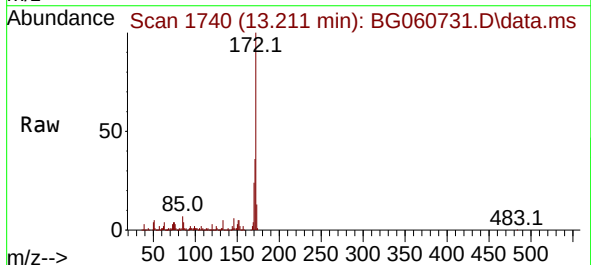
Tgt Ion:330 Resp: 11448
Ion Ratio Lower Upper
330 100
332 97.7 78.2 117.4
141 32.3 27.0 40.6

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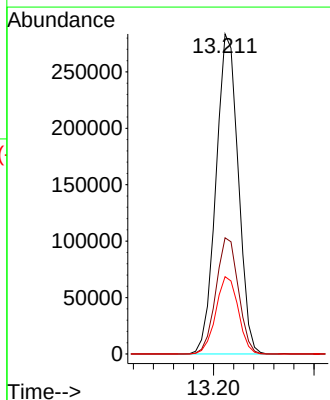
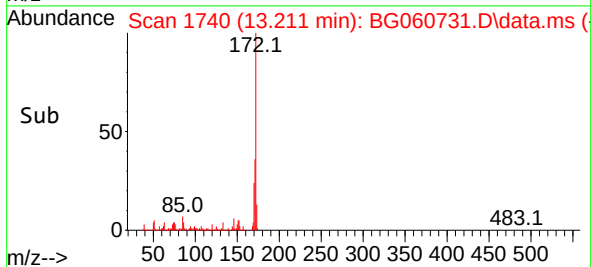
Reviewed By :Yogesh Patel 04/02/2024
Supervised By :mohammad ahmed 04/02/2024

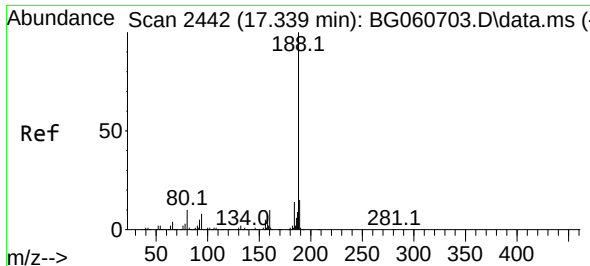


#45
2-Fluorobiphenyl
Concen: 25.687 ng
RT: 13.211 min Scan# 1740
Delta R.T. -0.009 min
Lab File: BG060731.D
Acq: 2 Apr 2024 1:43



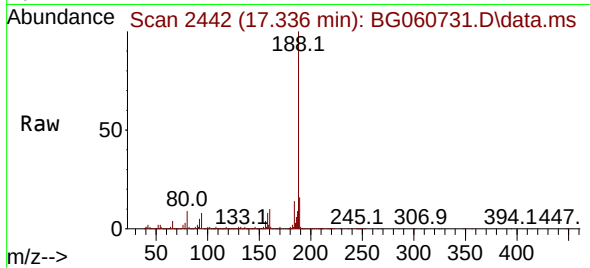
Tgt Ion:172 Resp: 435732
Ion Ratio Lower Upper
172 100
171 36.3 28.7 43.1
170 24.1 19.4 29.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.336 min Scan# 2442
Delta R.T. -0.003 min
Lab File: BG060731.D
Acq: 2 Apr 2024 1:43

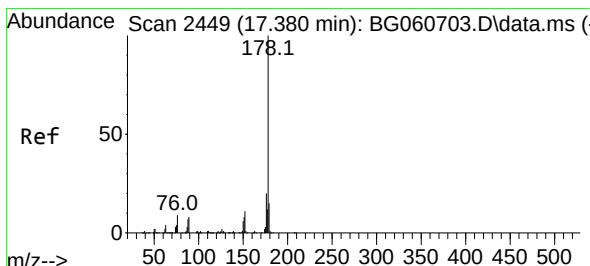
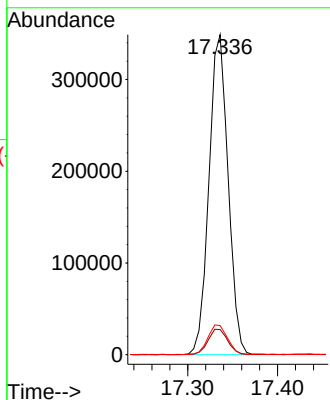
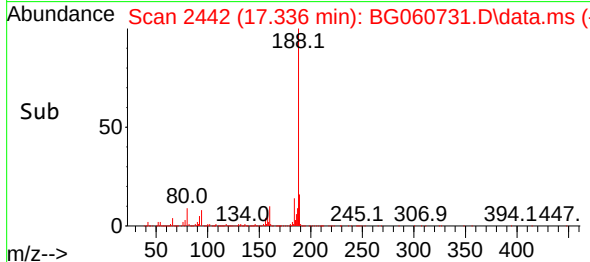
Instrument :
BNA_G
ClientSampleId :
HS-01(0-6)



Tgt Ion:188 Resp: 516748
Ion Ratio Lower Upper
188 100
94 7.8 6.6 9.8
80 9.1 7.6 11.4

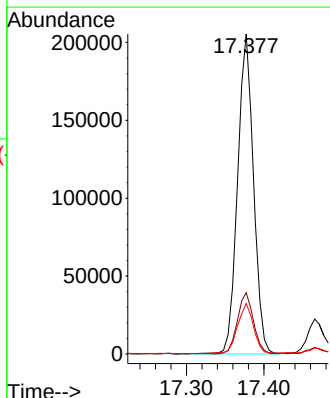
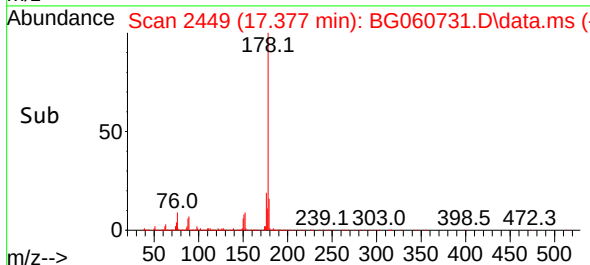
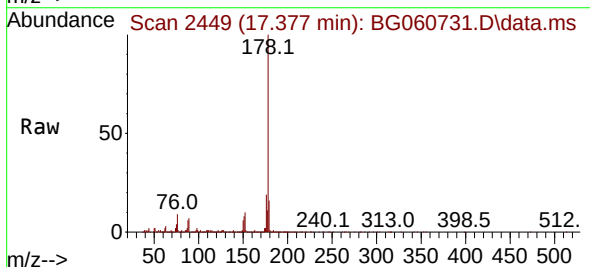
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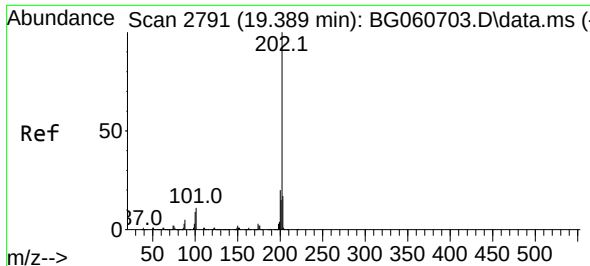
Reviewed By :Yogesh Patel 04/02/2024
Supervised By :mohammad ahmed 04/02/2024



#71
Phenanthrene
Concen: 10.889 ng
RT: 17.377 min Scan# 2449
Delta R.T. -0.003 min
Lab File: BG060731.D
Acq: 2 Apr 2024 1:43

Tgt Ion:178 Resp: 292642
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.6
179 15.7 12.2 18.4





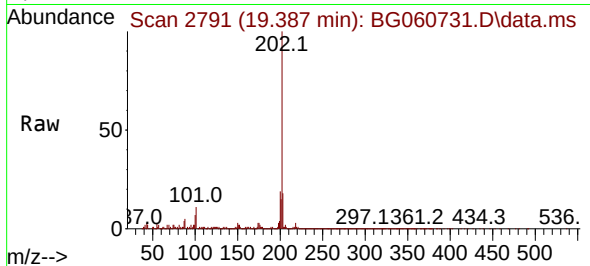
#75
Fluoranthene
Concen: 9.740 ng
RT: 19.387 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG060731.D
Acq: 2 Apr 2024 1:43

Instrument :

BNA_G

ClientSampleId :

HS-01(0-6)



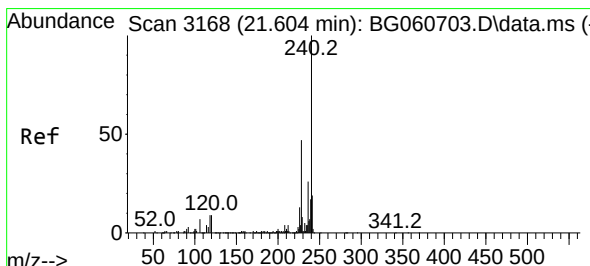
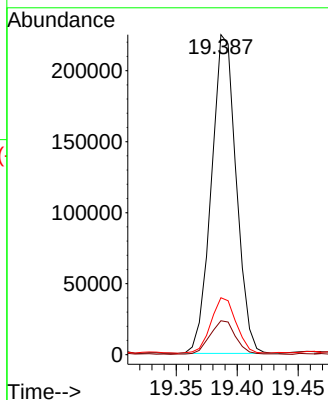
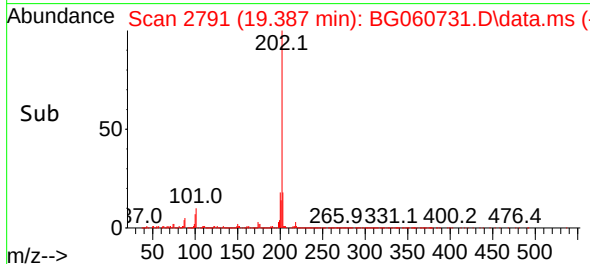
Tgt Ion:202 Resp: 317629
Ion Ratio Lower Upper
202 100
101 10.6 0.0 30.8
203 17.8 0.0 37.4

Manual Integrations

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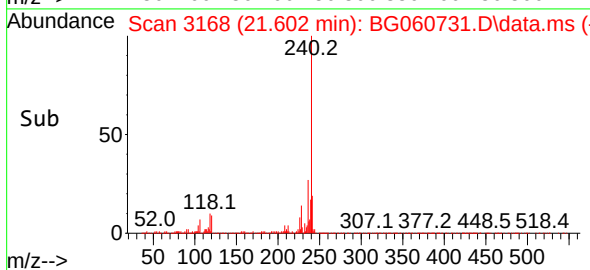
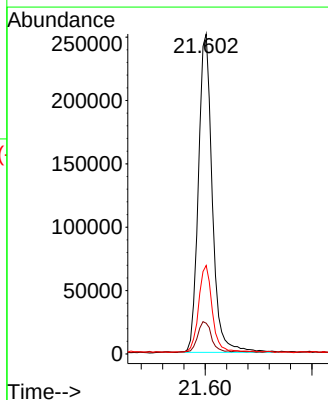
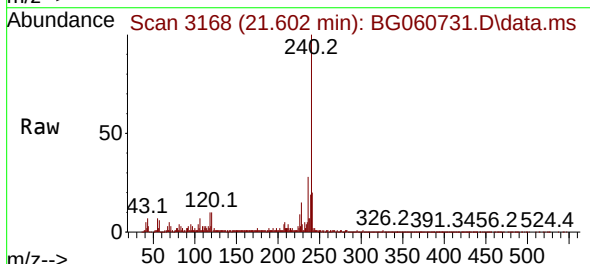
Reviewed By :Yogesh Patel 04/02/2024

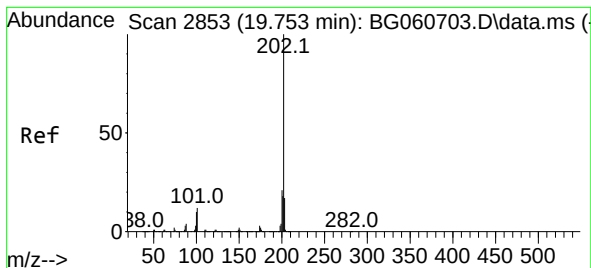
Supervised By :mohammad ahmed 04/02/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.602 min Scan# 3168
Delta R.T. -0.003 min
Lab File: BG060731.D
Acq: 2 Apr 2024 1:43

Tgt Ion:240 Resp: 452465
Ion Ratio Lower Upper
240 100
120 9.6 7.1 10.7
236 27.7 20.7 31.1





#78

Pyrene

Concen: 15.313 ng

RT: 19.751 min Scan# 2853

Delta R.T. -0.003 min

Lab File: BG060731.D

Acq: 2 Apr 2024 1:43

Instrument :

BNA_G

ClientSampleId :

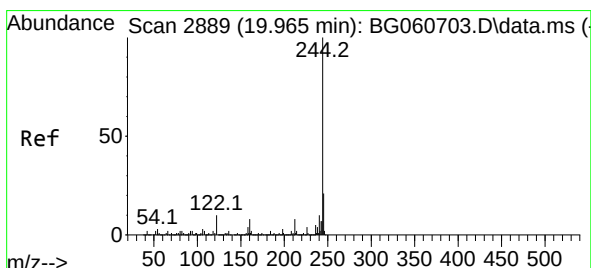
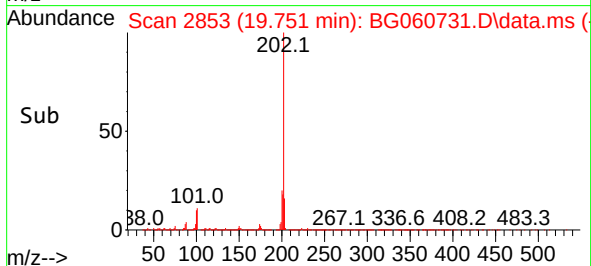
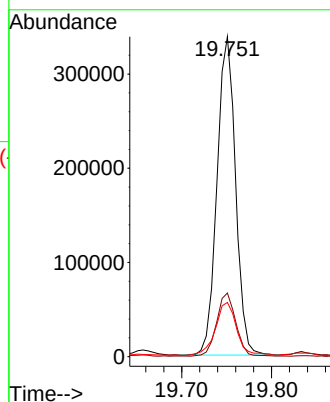
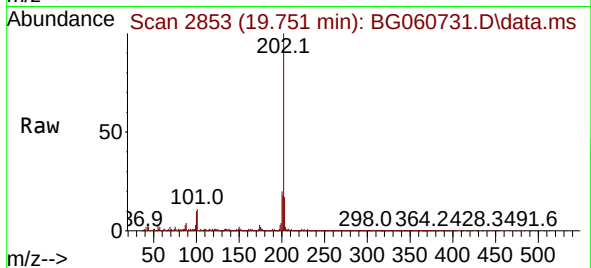
HS-01(0-6)

Tgt Ion:	202	Resp:	48456
Ion Ratio	Lower	Upper	
202	100		
200	19.9	17.0	25.4
203	17.0	14.0	21.0

Manual Integrations

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Reviewed By :Yogesh Patel 04/02/2024
Supervised By :mohammad ahmed 04/02/2024



#79

Terphenyl-d14

Concen: 26.003 ng

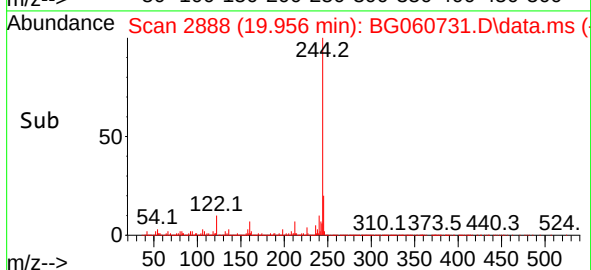
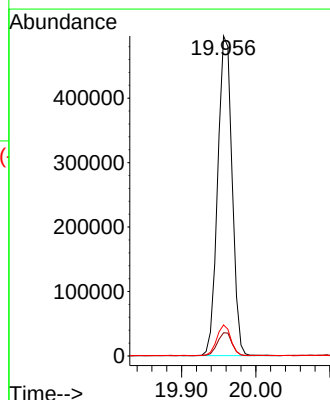
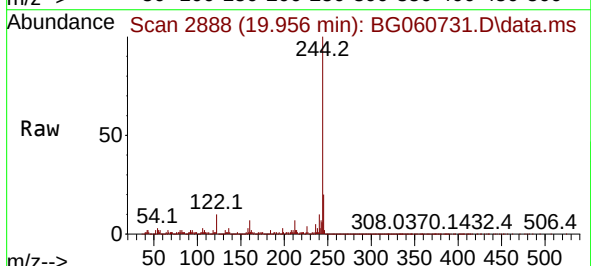
RT: 19.956 min Scan# 2888

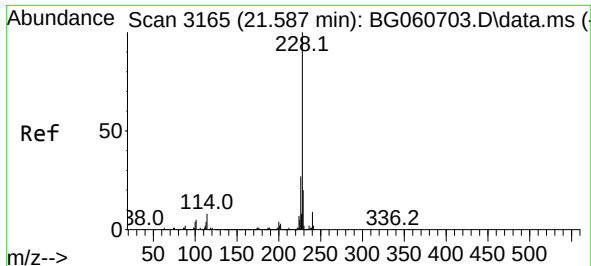
Delta R.T. -0.009 min

Lab File: BG060731.D

Acq: 2 Apr 2024 1:43

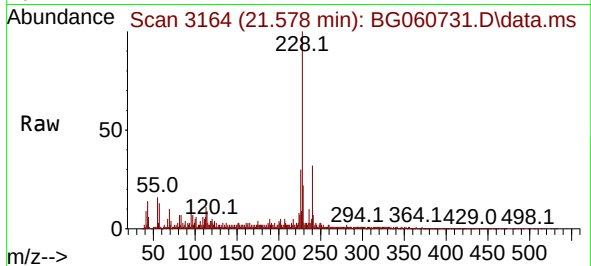
Tgt Ion:	244	Resp:	668176
Ion Ratio	Lower	Upper	
244	100		
212	7.3	6.2	9.2
122	9.7	7.8	11.8





#81
Benzo(a)anthracene
Concen: 6.832 ng
RT: 21.578 min Scan# 3165
Delta R.T. -0.009 min
Lab File: BG060731.D
Acq: 2 Apr 2024 1:43

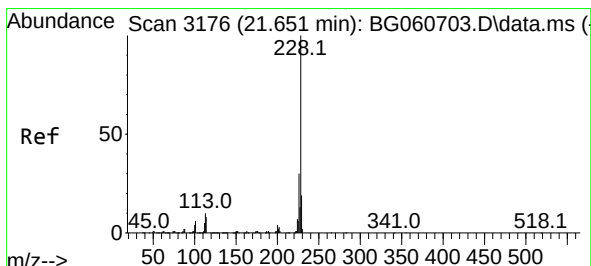
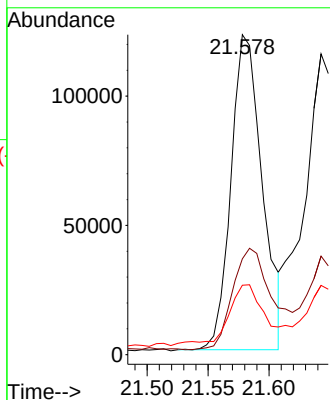
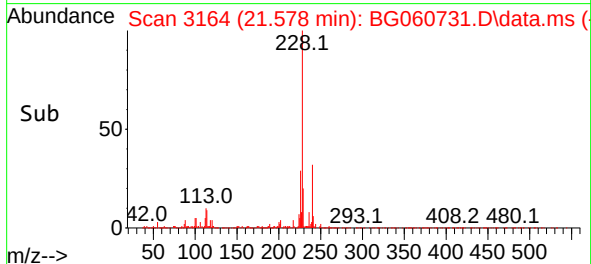
Instrument :
BNA_G
ClientSampleId :
HS-01(0-6)



Tgt Ion:228 Resp: 217910
Ion Ratio Lower Upper
228 100
226 30.0 21.7 32.5
229 21.7 15.8 23.8

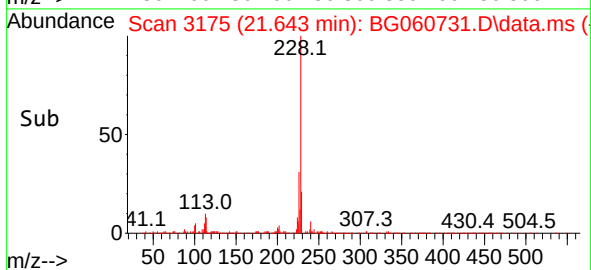
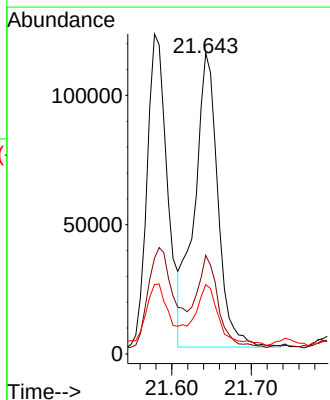
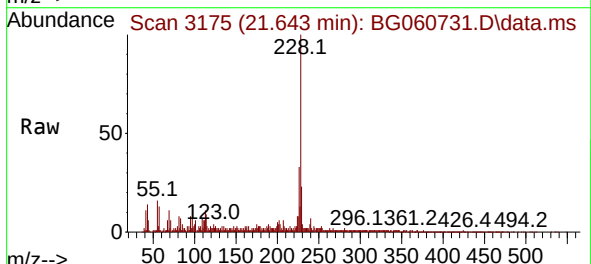
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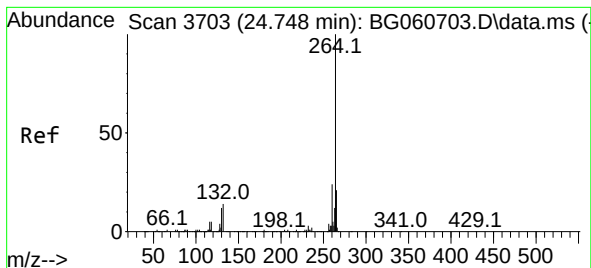
Reviewed By :Yogesh Patel 04/02/2024
Supervised By :mohammad ahmed 04/02/2024



#83
Chrysene
Concen: 7.642 ng m
RT: 21.643 min Scan# 3175
Delta R.T. -0.009 min
Lab File: BG060731.D
Acq: 2 Apr 2024 1:43

Tgt Ion:228 Resp: 234911
Ion Ratio Lower Upper
228 100
226 32.8 24.2 36.4
229 23.0 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.751 min Scan# 31

Delta R.T. 0.003 min

Lab File: BG060731.D

Acq: 2 Apr 2024 1:43

Instrument :

BNA_G

ClientSampleId :

HS-01(0-6)

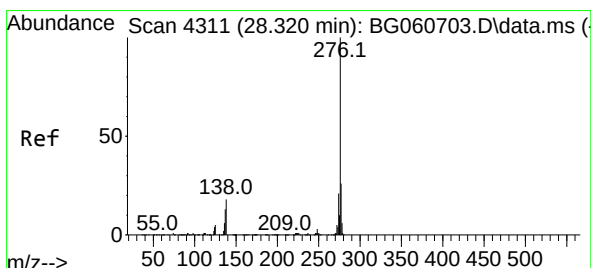
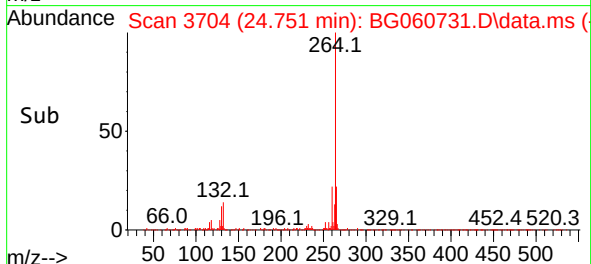
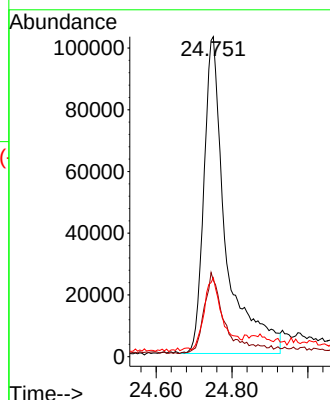
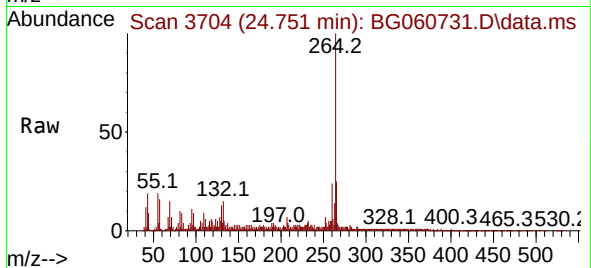
Tgt Ion:264	Resp:	41417
Ion Ratio	Lower	Upper
264	100	
260	23.8	19.5 29.3
265	24.6	16.9 25.3

Manual Integrations

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Reviewed By :Yogesh Patel 04/02/2024

Supervised By :mohammad ahmed 04/02/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.557 ng m

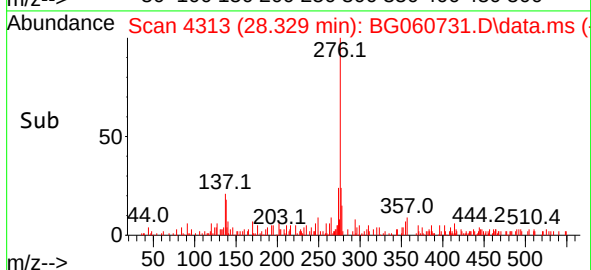
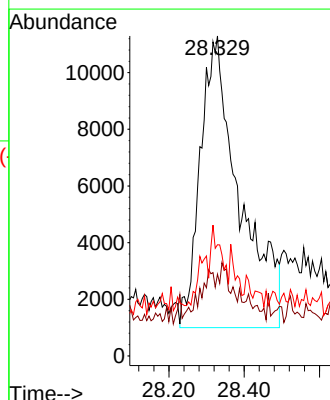
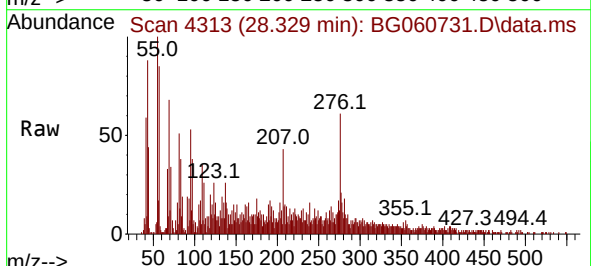
RT: 28.329 min Scan# 4313

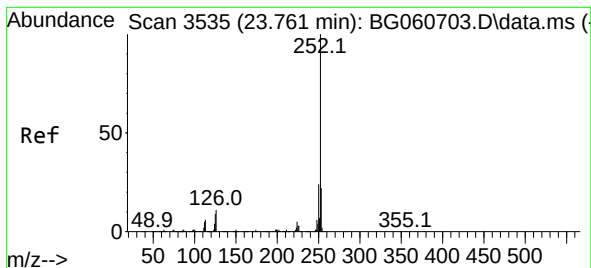
Delta R.T. 0.009 min

Lab File: BG060731.D

Acq: 2 Apr 2024 1:43

Tgt Ion:276	Resp:	74575
Ion Ratio	Lower	Upper
276	100	
138	2.6	12.4 18.6#
277	0.0	20.2 30.2#





#88

Benzo(b)fluoranthene

Concen: 7.521 ng m

RT: 23.764 min Scan# 3535

Delta R.T. 0.003 min

Lab File: BG060731.D

Acq: 2 Apr 2024 1:43

Instrument :

BNA_G

ClientSampleId :

HS-01(0-6)

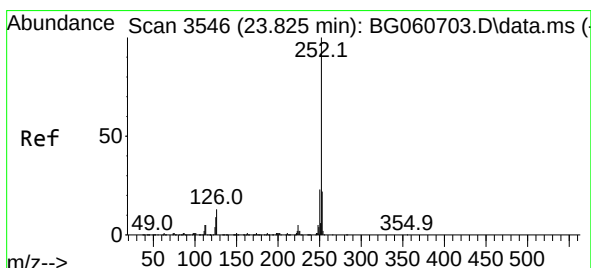
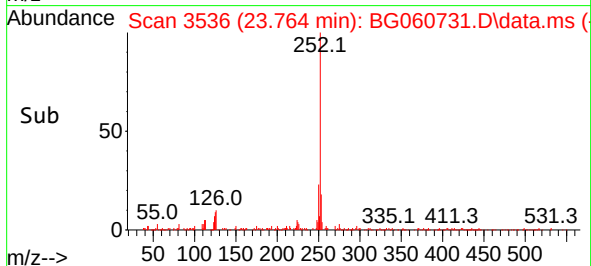
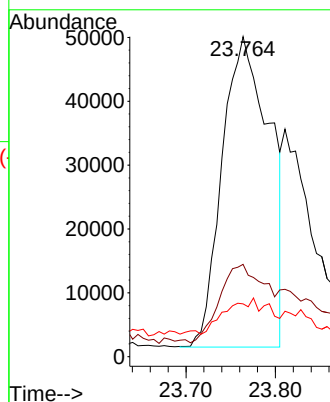
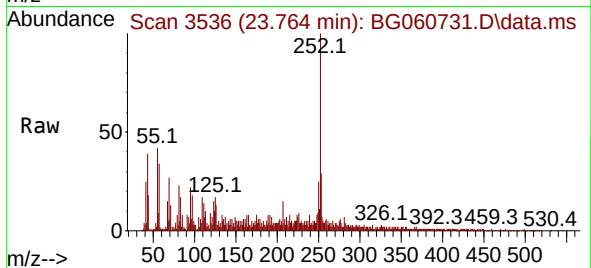
Tgt Ion:252 Resp: 17894
 Ion Ratio Lower Upper
 252 100
 253 28.8 17.8 26.8#
 125 16.5 7.1 10.7#

Manual Integrations

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Reviewed By :Yogesh Patel 04/02/2024

Supervised By :mohammad ahmed 04/02/2024



#89

Benzo(k)fluoranthene

Concen: 2.901 ng m

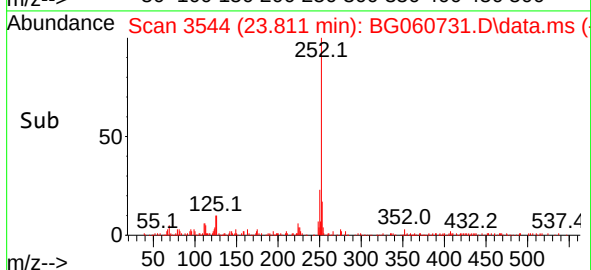
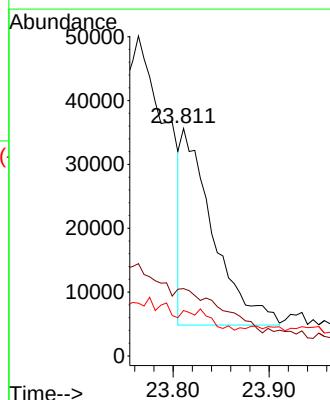
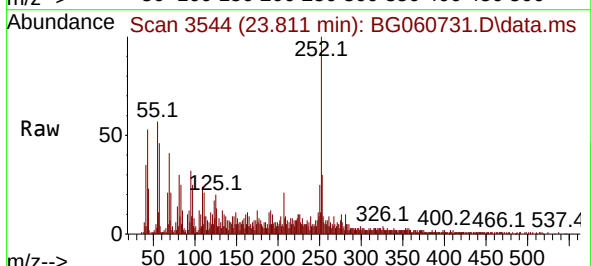
RT: 23.811 min Scan# 3544

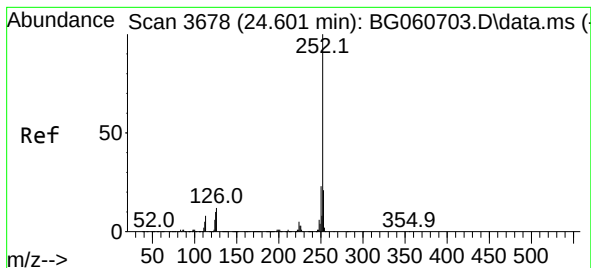
Delta R.T. -0.014 min

Lab File: BG060731.D

Acq: 2 Apr 2024 1:43

Tgt Ion:252 Resp: 70640
 Ion Ratio Lower Upper
 252 100
 253 29.6 17.6 26.4#
 125 20.0 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 6.106 ng m

RT: 24.604 min Scan# 3

Delta R.T. 0.003 min

Lab File: BG060731.D

Acq: 2 Apr 2024 1:43

Instrument :

BNA_G

ClientSampleId :

HS-01(0-6)

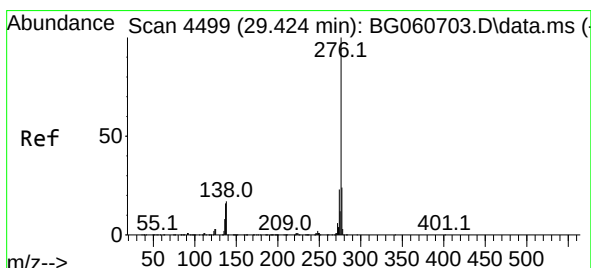
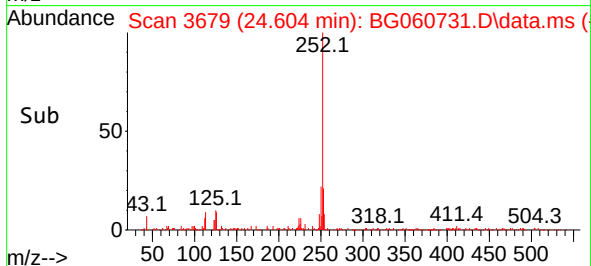
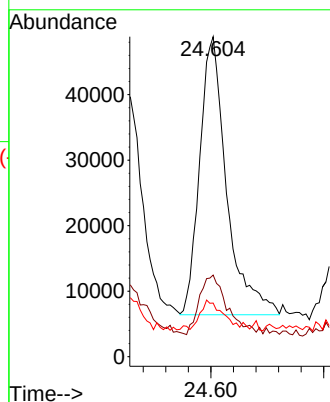
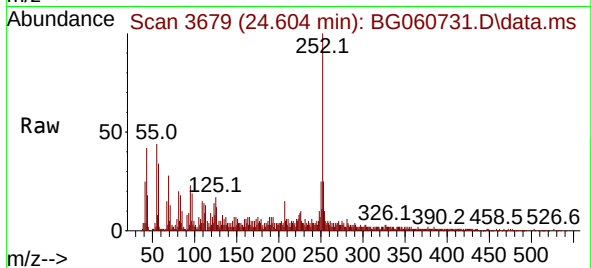
Tgt Ion:252 Resp: 141190
 Ion Ratio Lower Upper
 252 100
 253 25.5 16.8 25.2#
 125 16.7 7.6 11.4#

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/02/2024

Supervised By :mohammad ahmed 04/02/2024



#92

Benzo(g,h,i)perylene

Concen: 3.402 ng m

RT: 29.439 min Scan# 4502

Delta R.T. 0.015 min

Lab File: BG060731.D

Acq: 2 Apr 2024 1:43

Tgt Ion:276 Resp: 81364
 Ion Ratio Lower Upper
 276 100
 277 32.1 18.9 28.3#
 138 21.3 14.0 21.0#

