

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040124\
 Data File : BG060721.D
 Acq On : 1 Apr 2024 18:53
 Operator : MA/JU
 Sample : P1927-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11991

Manual Integrations
 APPROVED

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

Quant Time: Apr 02 01:17:10 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	7.958	152	62882	20.000	ng	0.00
21) Naphthalene-d8	10.749	136	306444	20.000	ng	0.00
39) Acenaphthene-d10	14.579	164	245913	20.000	ng	0.00
64) Phenanthrene-d10	17.329	188	565105	20.000	ng	0.00
76) Chrysene-d12	21.589	240	529213	20.000	ng	-0.02
86) Perylene-d12	24.720	264	627164	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.531	112	359407	95.215	ng	0.00
7) Phenol-d6	7.112	99	541825	96.701	ng	0.00
23) Nitrobenzene-d5	9.103	82	303632	56.538	ng	0.00
42) 2,4,6-Tribromophenol	16.066	330	287250	102.901	ng	0.00
45) 2-Fluorobiphenyl	13.210	172	932170	55.633	ng	0.00
79) Terphenyl-d14	19.955	244	1778192	59.165	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.370	178	116648	3.969	ng	99
75) Fluoranthene	19.380	202	311358	8.731	ng	98
78) Pyrene	19.744	202	210519	5.688	ng	99
81) Benzo(a)anthracene	21.571	228	87243	2.339	ng	95
83) Chrysene	21.636	228	176272m	4.903	ng	
88) Benzo(b)fluoranthene	23.733	252	211033	5.857	ng	99
89) Benzo(k)fluoranthene	23.798	252	81744m	2.217	ng	
90) Benzo(a)pyrene	24.574	252	75226	2.148	ng	# 93

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

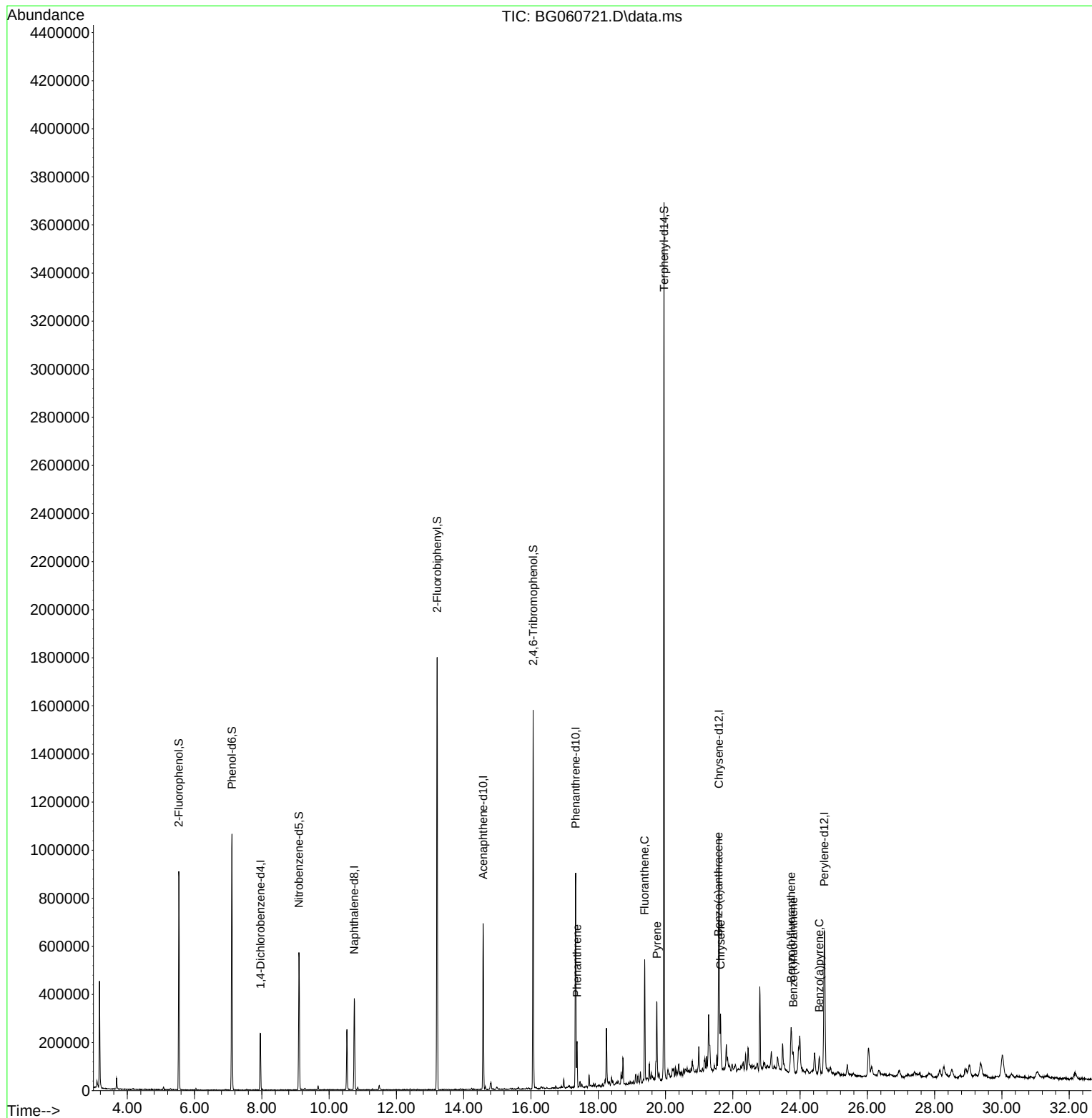
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040124\
Data File : BG060721.D
Acq On : 1 Apr 2024 18:53
Operator : MA/JU
Sample : P1927-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

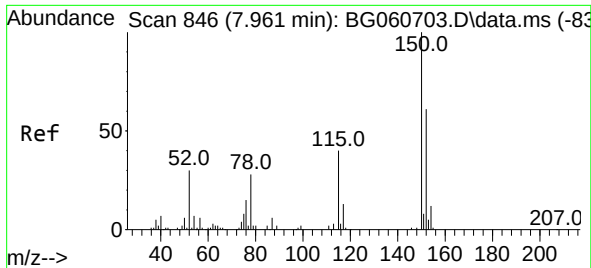
Instrument :
BNA_G
ClientSampleId :
72-11991

Quant Time: Apr 02 01:17:10 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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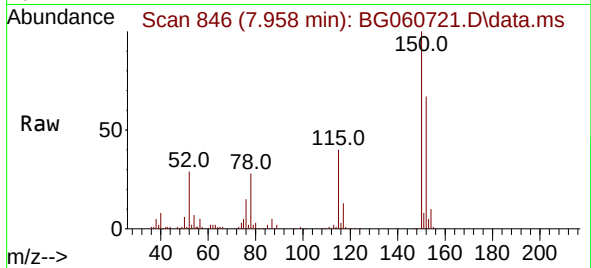
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.958 min Scan# 846
Delta R.T. -0.003 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

Instrument :

BNA_G

ClientSampleId :

72-11991



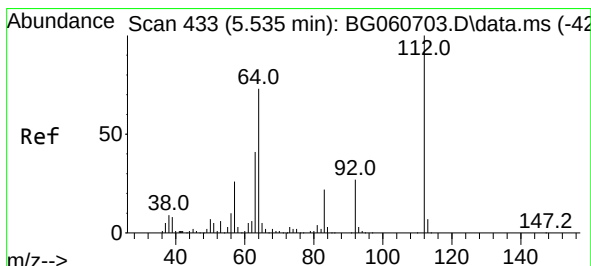
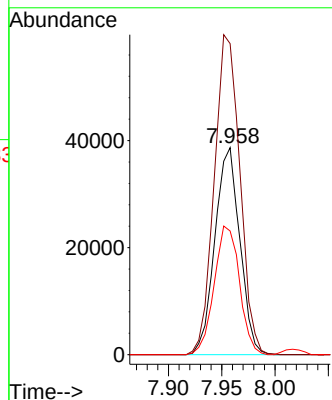
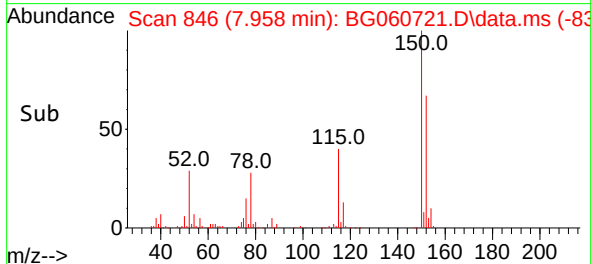
Tgt Ion:152 Resp: 6288
Ion Ratio Lower Upper
152 100
150 150.3 130.2 195.4
115 59.8 51.6 77.4

Manual Integrations

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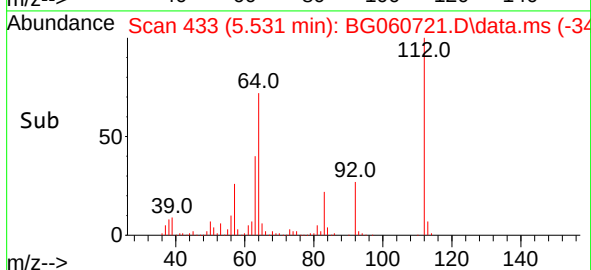
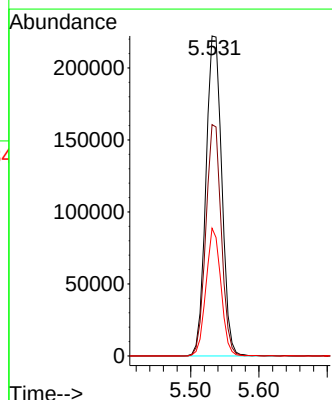
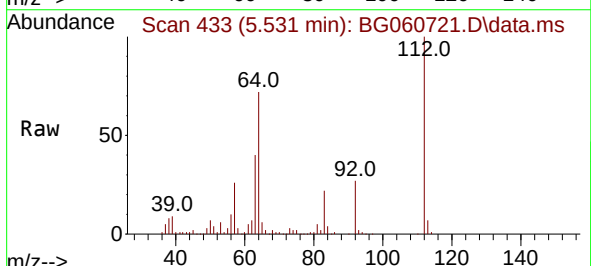
Reviewed By :Yogesh Patel 04/02/2024

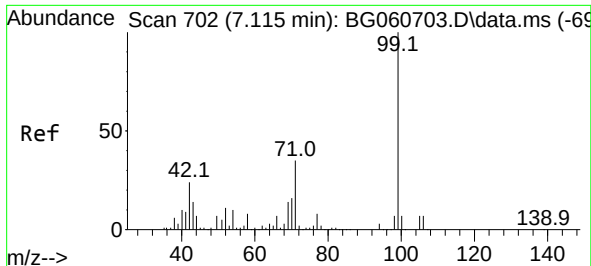
Supervised By :mohammad ahmed 04/02/2024



#5
2-Fluorophenol
Concen: 95.215 ng
RT: 5.531 min Scan# 433
Delta R.T. -0.004 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

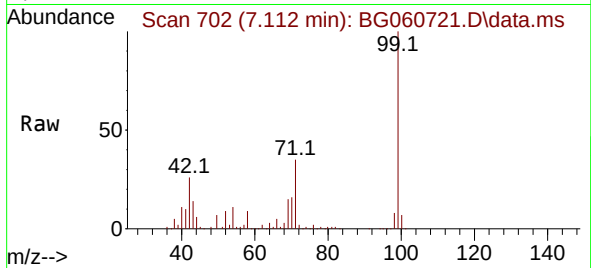
Tgt Ion:112 Resp: 359407
Ion Ratio Lower Upper
112 100
64 72.3 58.4 87.6
63 39.9 32.7 49.1





#7
Phenol-d6
Concen: 96.701 ng
RT: 7.112 min Scan# 702
Delta R.T. -0.004 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

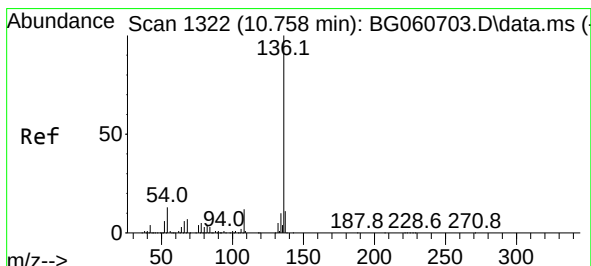
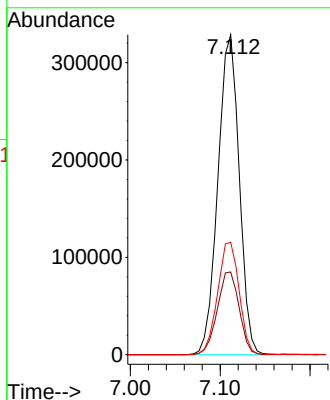
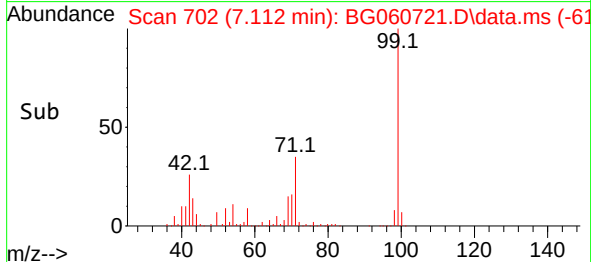
Instrument :
BNA_G
ClientSampleId :
72-11991



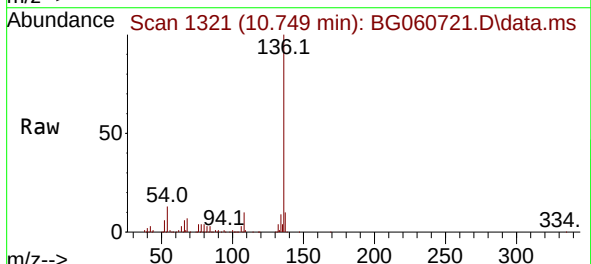
Tgt Ion: 99 Resp: 541825
Ion Ratio Lower Upper
99 100
42 25.9 19.4 29.2
71 35.2 28.2 42.2

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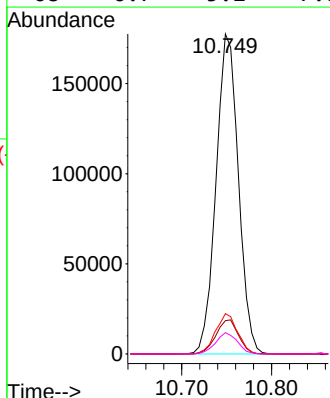
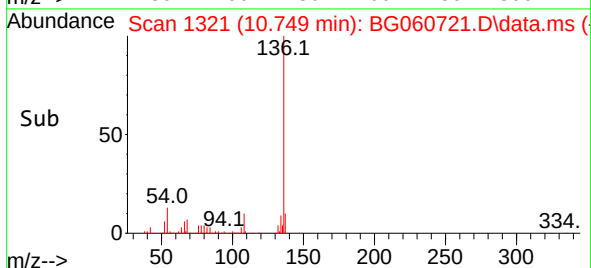
Reviewed By :Yogesh Patel 04/02/2024
Supervised By :mohammad ahmed 04/02/2024

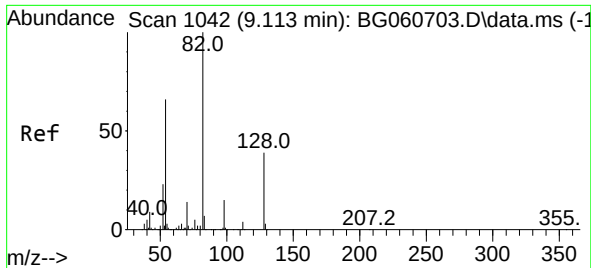


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.749 min Scan# 1321
Delta R.T. -0.009 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53



Tgt Ion:136 Resp: 306444
Ion Ratio Lower Upper
136 100
137 10.4 8.8 13.2
54 12.6 10.2 15.2
68 6.7 5.2 7.8





#23
Nitrobenzene-d5
Concen: 56.538 ng
RT: 9.103 min Scan# 1041
Delta R.T. -0.010 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

Instrument :

BNA_G

ClientSampleId :

72-11991

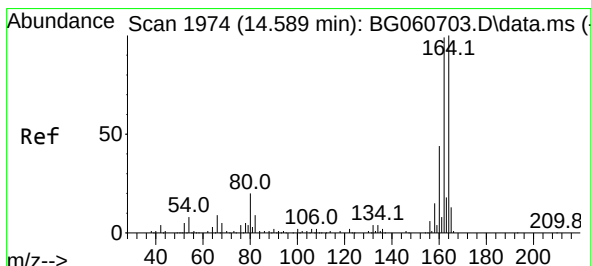
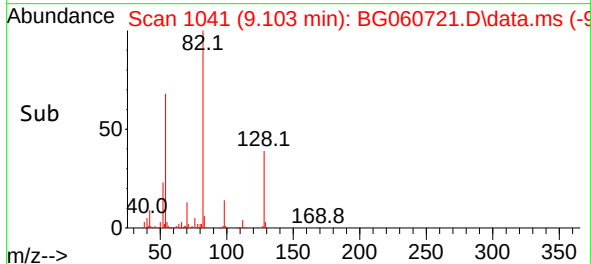
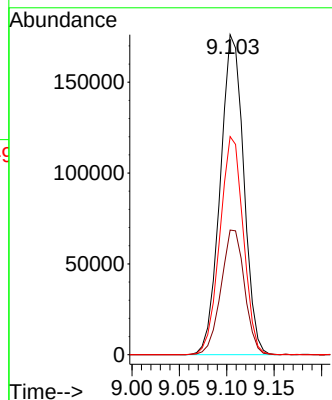
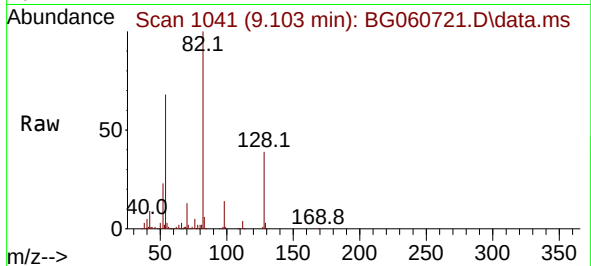
Tgt Ion: 82 Resp: 30363
Ion Ratio Lower Upper
82 100
128 38.9 31.2 46.8
54 68.2 53.2 79.8

Manual Integrations

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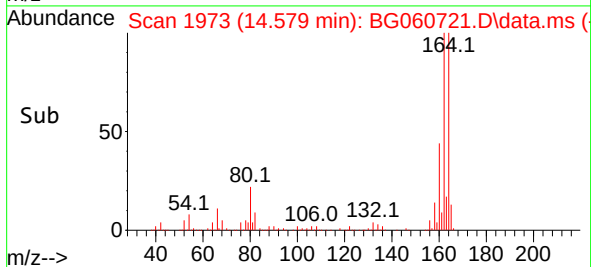
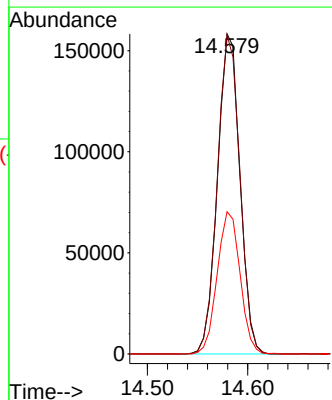
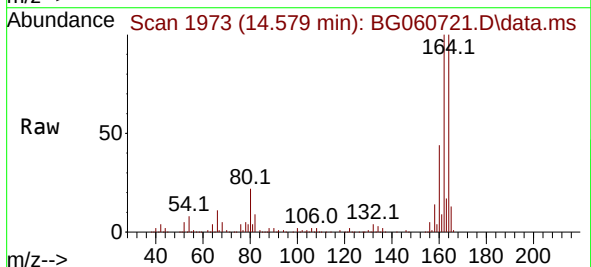
Reviewed By :Yogesh Patel 04/02/2024

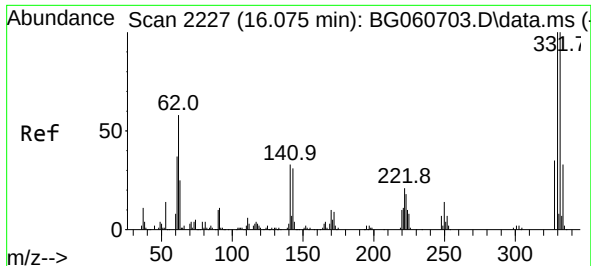
Supervised By :mohammad ahmed 04/02/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.579 min Scan# 1973
Delta R.T. -0.010 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

Tgt Ion:164 Resp: 245913
Ion Ratio Lower Upper
164 100
162 99.7 79.5 119.3
160 44.5 35.4 53.0





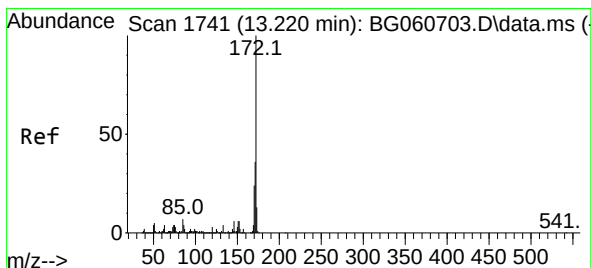
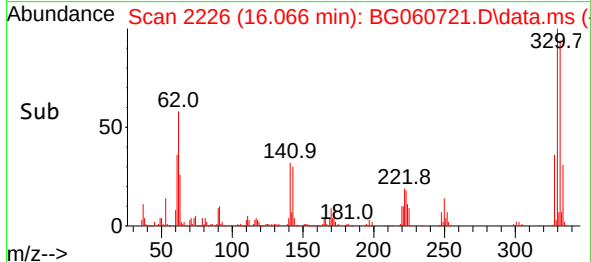
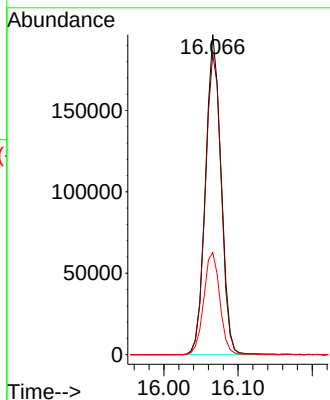
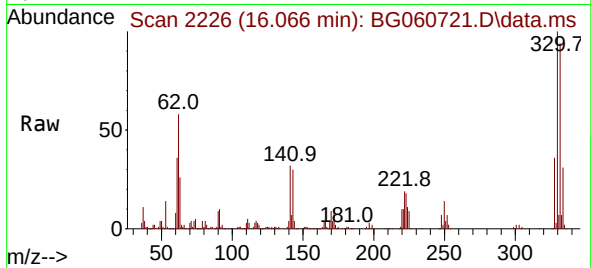
#42
2,4,6-Tribromophenol
Concen: 102.901 ng
RT: 16.066 min Scan# 21
Delta R.T. -0.010 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

Instrument :
BNA_G
ClientSampleId :
72-11991

Tgt Ion:330 Resp: 287250
Ion Ratio Lower Upper
330 100
332 96.6 78.2 117.4
141 33.0 27.0 40.6

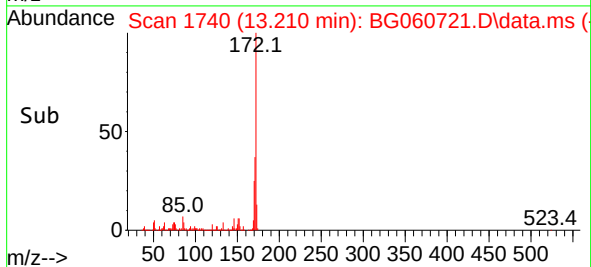
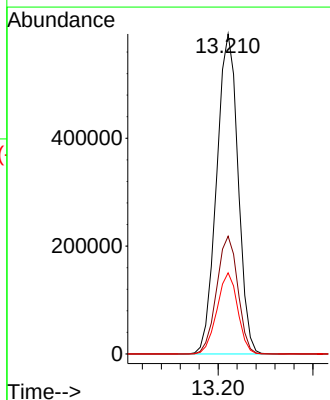
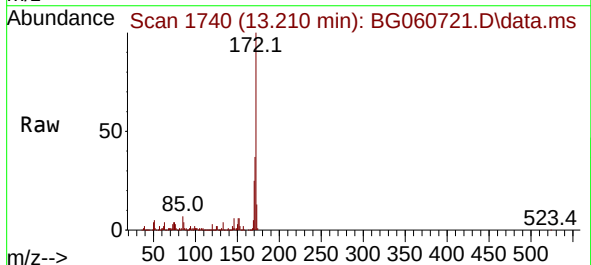
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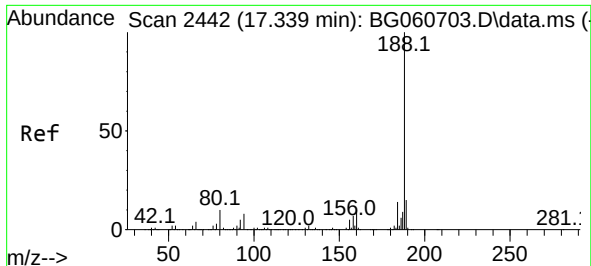
Reviewed By :Yogesh Patel 04/02/2024
Supervised By :mohammad ahmed 04/02/2024



#45
2-Fluorobiphenyl
Concen: 55.633 ng
RT: 13.210 min Scan# 1740
Delta R.T. -0.010 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

Tgt Ion:172 Resp: 932170
Ion Ratio Lower Upper
172 100
171 36.8 28.7 43.1
170 25.4 19.4 29.0





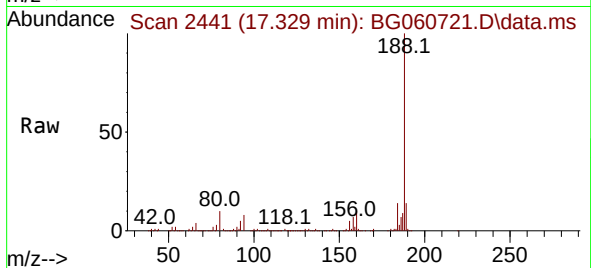
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.329 min Scan# 2442
Delta R.T. -0.010 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

Instrument :

BNA_G

ClientSampleId :

72-11991



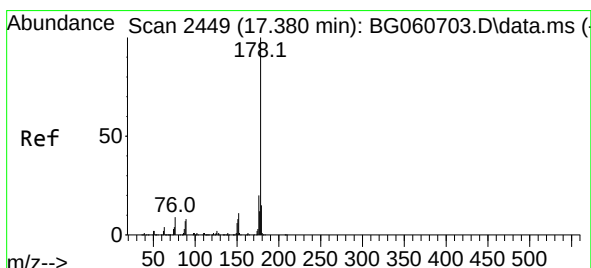
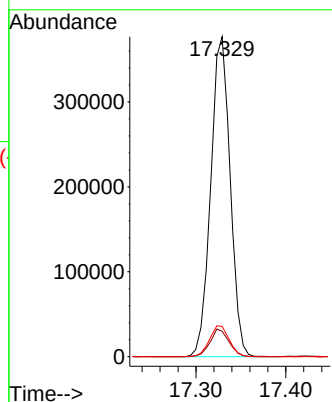
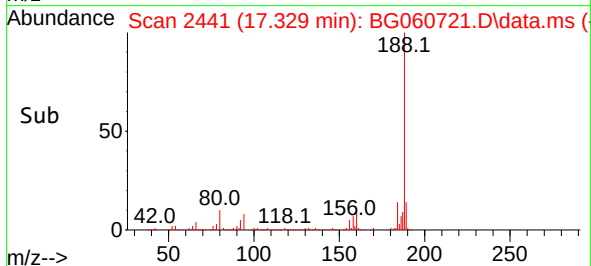
Tgt Ion:188 Resp: 56510
Ion Ratio Lower Upper
188 100
94 8.0 6.6 9.8
80 9.5 7.6 11.4

Manual Integrations

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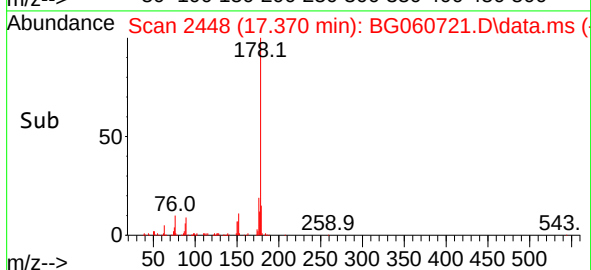
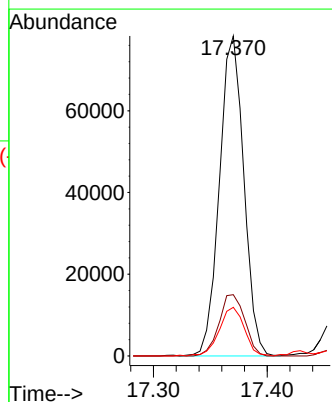
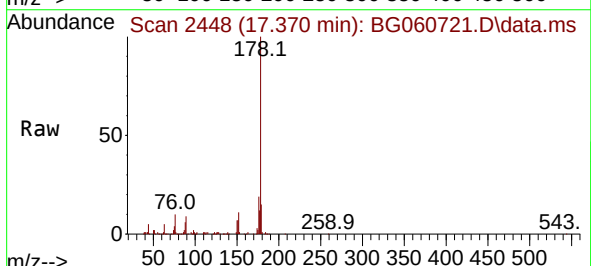
Reviewed By :Yogesh Patel 04/02/2024

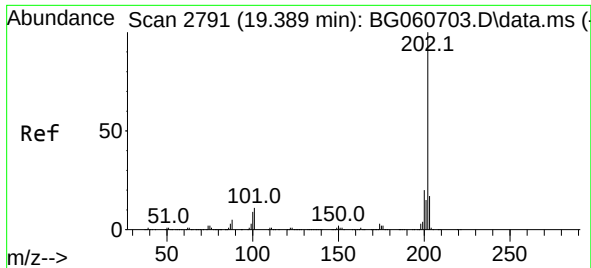
Supervised By :mohammad ahmed 04/02/2024



#71
Phenanthrene
Concen: 3.969 ng
RT: 17.370 min Scan# 2448
Delta R.T. -0.010 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

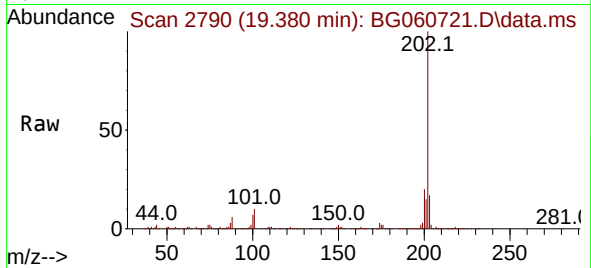
Tgt Ion:178 Resp: 116648
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.6
179 15.2 12.2 18.4





#75
Fluoranthene
Concen: 8.731 ng
RT: 19.380 min Scan# 21
Delta R.T. -0.010 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

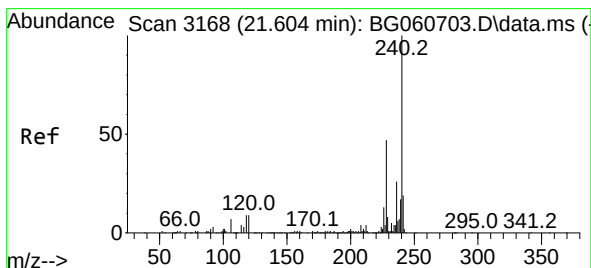
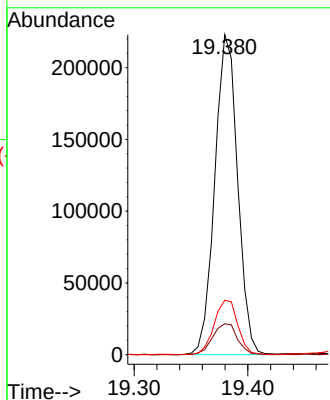
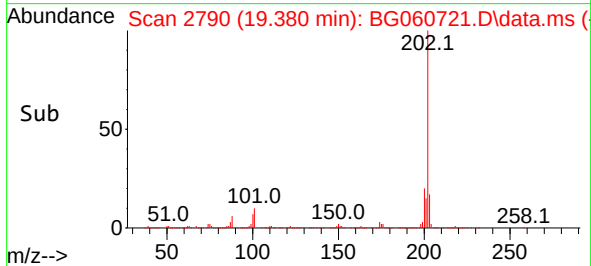
Instrument :
BNA_G
ClientSampleId :
72-11991



Tgt Ion:202 Resp: 311358
Ion Ratio Lower Upper
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101 9.6 0.0 30.8
203 17.0 0.0 37.4

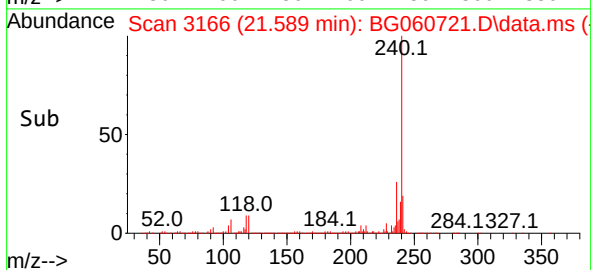
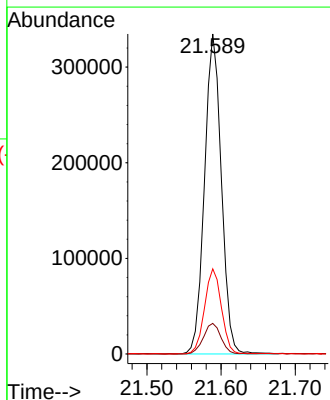
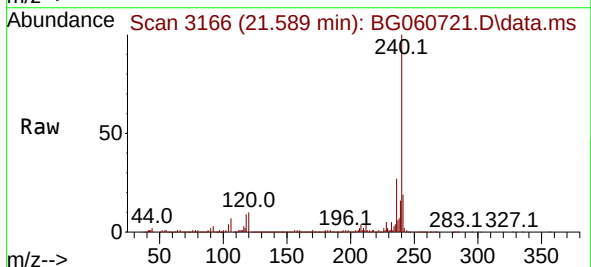
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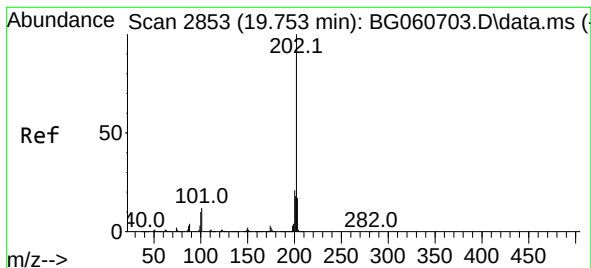
Reviewed By :Yogesh Patel 04/02/2024
Supervised By :mohammad ahmed 04/02/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.589 min Scan# 3166
Delta R.T. -0.015 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

Tgt Ion:240 Resp: 529213
Ion Ratio Lower Upper
240 100
120 9.5 7.1 10.7
236 26.6 20.7 31.1





#78

Pyrene

Concen: 5.688 ng

RT: 19.744 min Scan# 2852

Delta R.T. -0.010 min

Lab File: BG060721.D

Acq: 1 Apr 2024 18:53

Instrument :

BNA_G

ClientSampleId :

72-11991

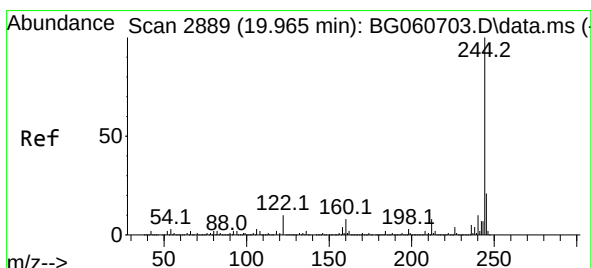
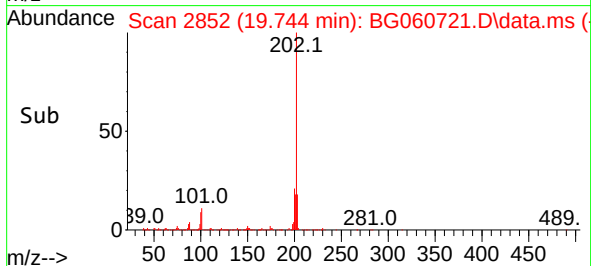
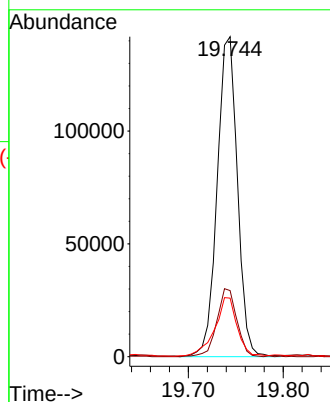
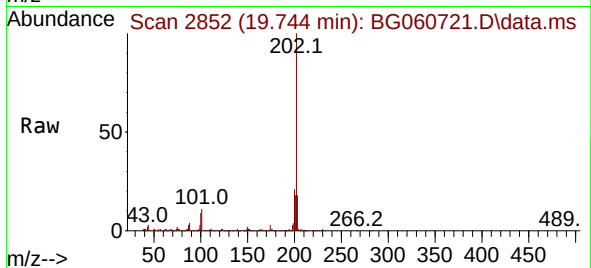
Tgt Ion:202 Resp: 210519
 Ion Ratio Lower Upper
 202 100
 200 20.7 17.0 25.4
 203 18.3 14.0 21.0

Manual Integrations

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Reviewed By :Yogesh Patel 04/02/2024

Supervised By :mohammad ahmed 04/02/2024



#79

Terphenyl-d14

Concen: 59.165 ng

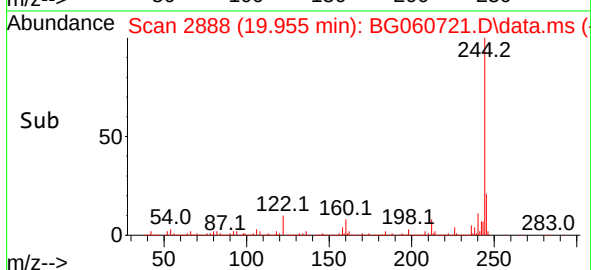
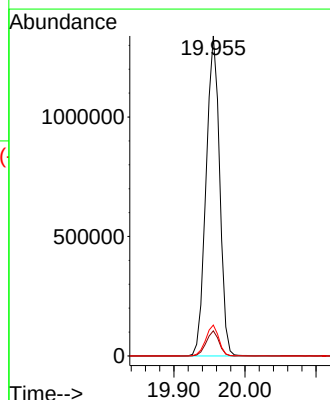
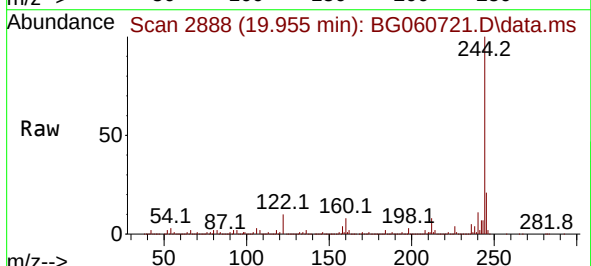
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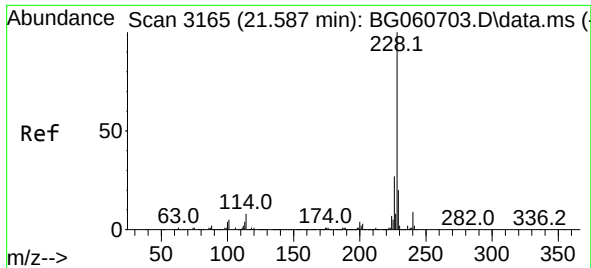
Delta R.T. -0.010 min

Lab File: BG060721.D

Acq: 1 Apr 2024 18:53

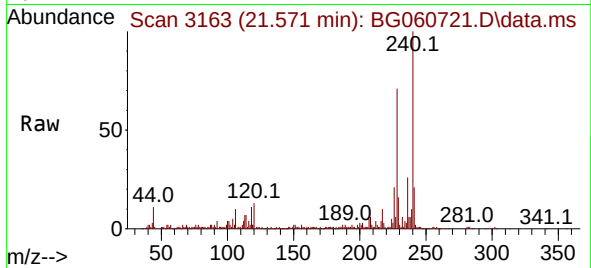
Tgt Ion:244 Resp: 1778192
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.2 9.2
 122 9.7 7.8 11.8





#81
Benzo(a)anthracene
Concen: 2.339 ng
RT: 21.571 min Scan# 3163
Delta R.T. -0.015 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

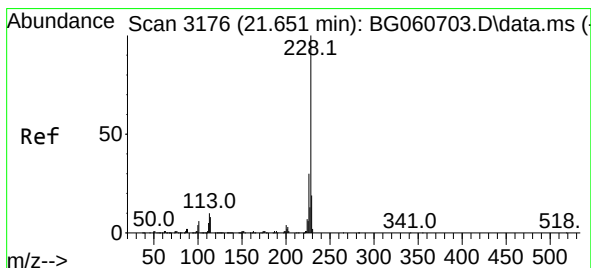
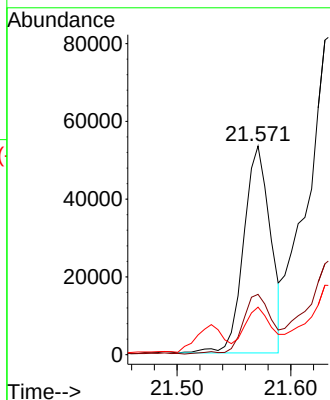
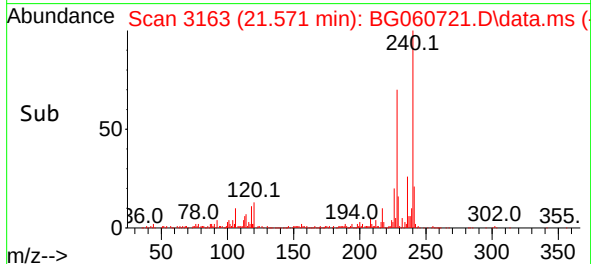
Instrument :
BNA_G
ClientSampleId :
72-11991



Tgt Ion:228 Resp: 8724
Ion Ratio Lower Upper
228 100
226 28.9 21.7 32.5
229 22.8 15.8 23.8

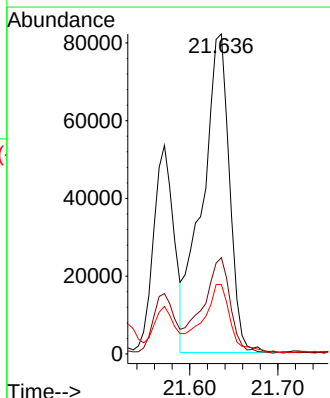
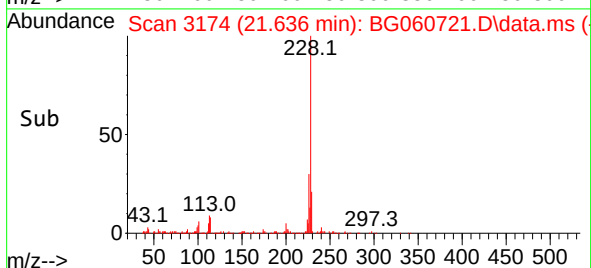
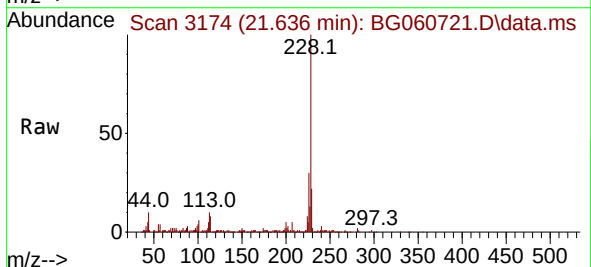
Manual Integrations
APPROVED

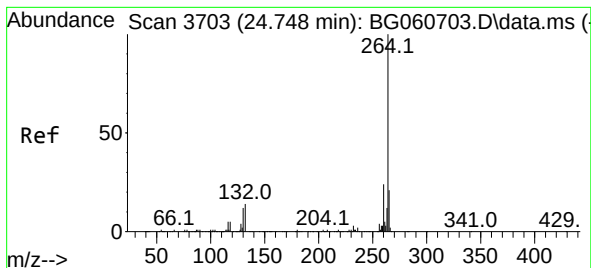
Reviewed By :Yogesh Patel 04/02/2024
Supervised By :mohammad ahmed 04/02/2024



#83
Chrysene
Concen: 4.903 ng m
RT: 21.636 min Scan# 3174
Delta R.T. -0.015 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

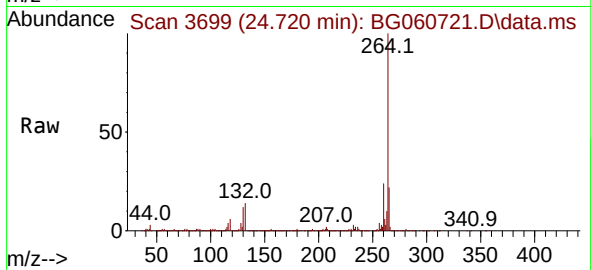
Tgt Ion:228 Resp: 176272
Ion Ratio Lower Upper
228 100
226 30.1 24.2 36.4
229 21.7 15.5 23.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.720 min Scan# 30
Delta R.T. -0.027 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

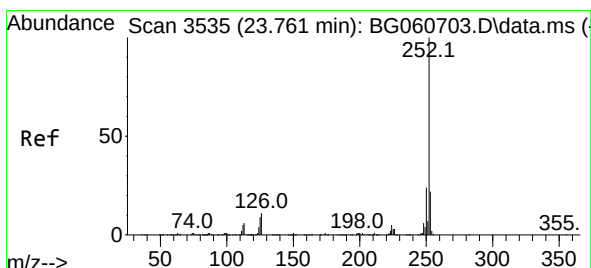
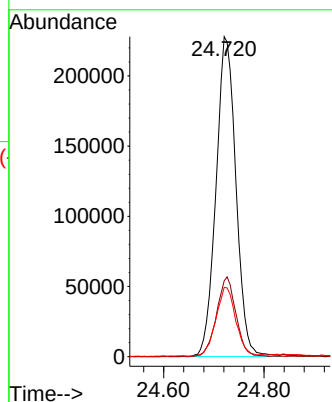
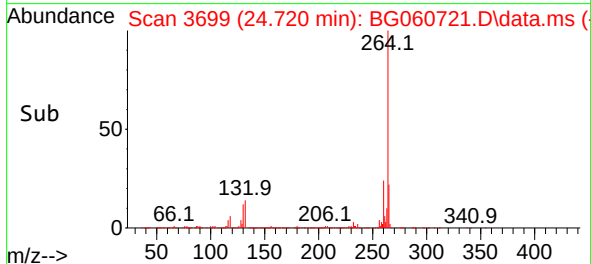
Instrument :
BNA_G
ClientSampleId :
72-11991



Tgt Ion:264 Resp: 627164
Ion Ratio Lower Upper
264 100
260 23.7 19.5 29.3
265 21.7 16.9 25.3

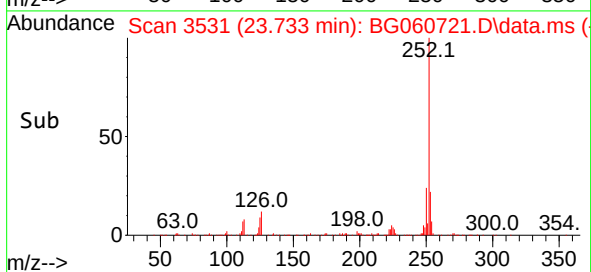
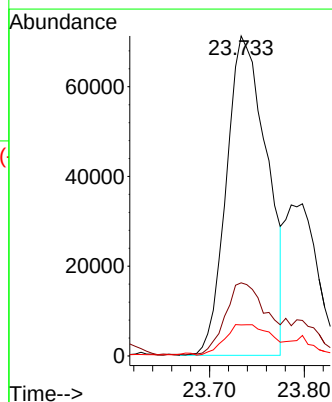
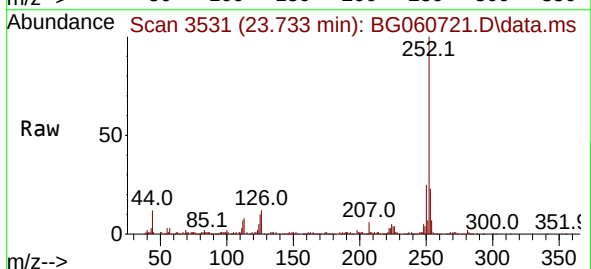
Manual Integrations
APPROVED

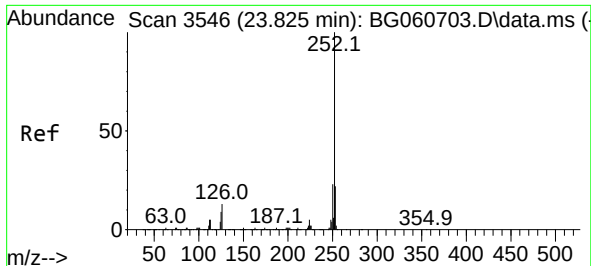
Reviewed By :Yogesh Patel 04/02/2024
Supervised By :mohammad ahmed 04/02/2024



#88
Benzo(b)fluoranthene
Concen: 5.857 ng
RT: 23.733 min Scan# 3531
Delta R.T. -0.027 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

Tgt Ion:252 Resp: 211033
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 9.7 7.1 10.7





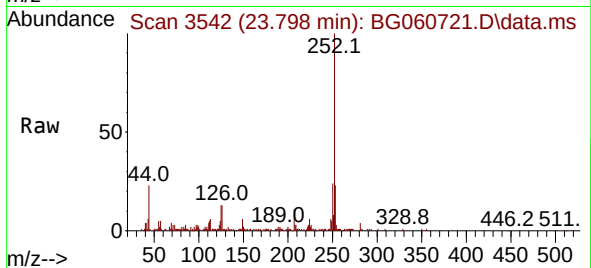
#89
Benzo(k)fluoranthene
Concen: 2.217 ng m
RT: 23.798 min Scan# 3546
Delta R.T. -0.027 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

Instrument :

BNA_G

ClientSampleId :

72-11991



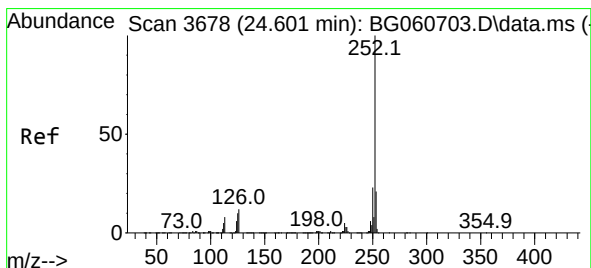
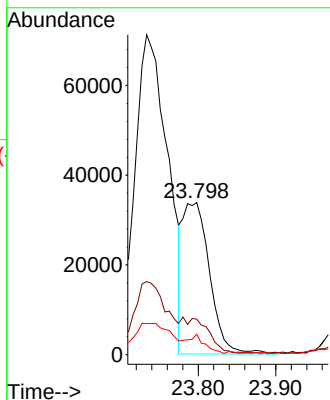
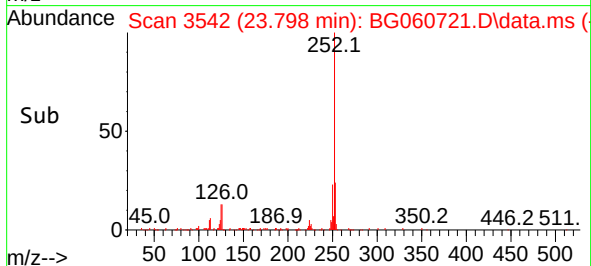
Tgt Ion:252 Resp: 81744
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 13.4 7.5 11.3

Manual Integrations

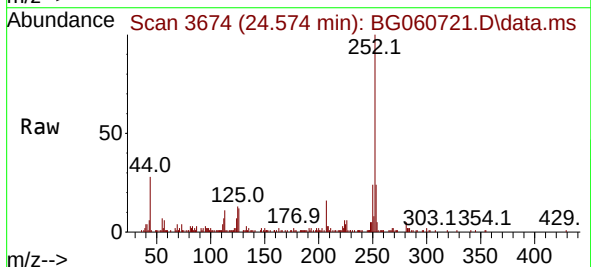
APPROVED

Reviewed By :Yogesh Patel 04/02/2024

Supervised By :mohammad ahmed 04/02/2024



#90
Benzo(a)pyrene
Concen: 2.148 ng
RT: 24.574 min Scan# 3674
Delta R.T. -0.027 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53



Tgt Ion:252 Resp: 75226
Ion Ratio Lower Upper
252 100
253 23.8 16.8 25.2
125 12.9 7.6 11.4

