

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040524\
 Data File : BG060801.D
 Acq On : 5 Apr 2024 18:25
 Operator : MA/JU
 Sample : P1995-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 280648

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/08/2024
 Supervised By :mohammad ahmed 04/08/2024

Quant Time: Apr 05 19:19:52 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	7.952	152	73457	20.000	ng	0.00
21) Naphthalene-d8	10.749	136	287321	20.000	ng	0.00
39) Acenaphthene-d10	14.580	164	205102	20.000	ng	0.00
64) Phenanthrene-d10	17.336	188	417310	20.000	ng	# 0.00
76) Chrysene-d12	21.595	240	406268	20.000	ng	0.00
86) Perylene-d12	24.733	264	492382	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.538	112	381640	86.550	ng	0.00
7) Phenol-d6	7.112	99	521450	79.667	ng	0.00
23) Nitrobenzene-d5	9.104	82	342687	68.057	ng	0.00
42) 2,4,6-Tribromophenol	16.072	330	244645	105.077	ng	0.00
45) 2-Fluorobiphenyl	13.205	172	719064	51.453	ng	-0.01
79) Terphenyl-d14	19.956	244	1099938	47.673	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.377	178	81326	3.747	ng	# 55
75) Fluoranthene	19.392	202	195030	7.405	ng	95
78) Pyrene	19.750	202	177454m	6.245	ng	
81) Benzo(a)anthracene	21.578	228	84856	2.963	ng	97
83) Chrysene	21.636	228	107040m	3.878	ng	
84) Bis(2-ethylhexyl)phtha...	21.525	149	1866578	112.987	ng	95
87) Indeno(1,2,3-cd)pyrene	28.288	276	70588	2.036	ng	# 90
88) Benzo(b)fluoranthene	23.740	252	146740	5.187	ng	98
90) Benzo(a)pyrene	24.586	252	90623	3.297	ng	96
92) Benzo(g,h,i)perylene	29.386	276	79863m	2.809	ng	

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

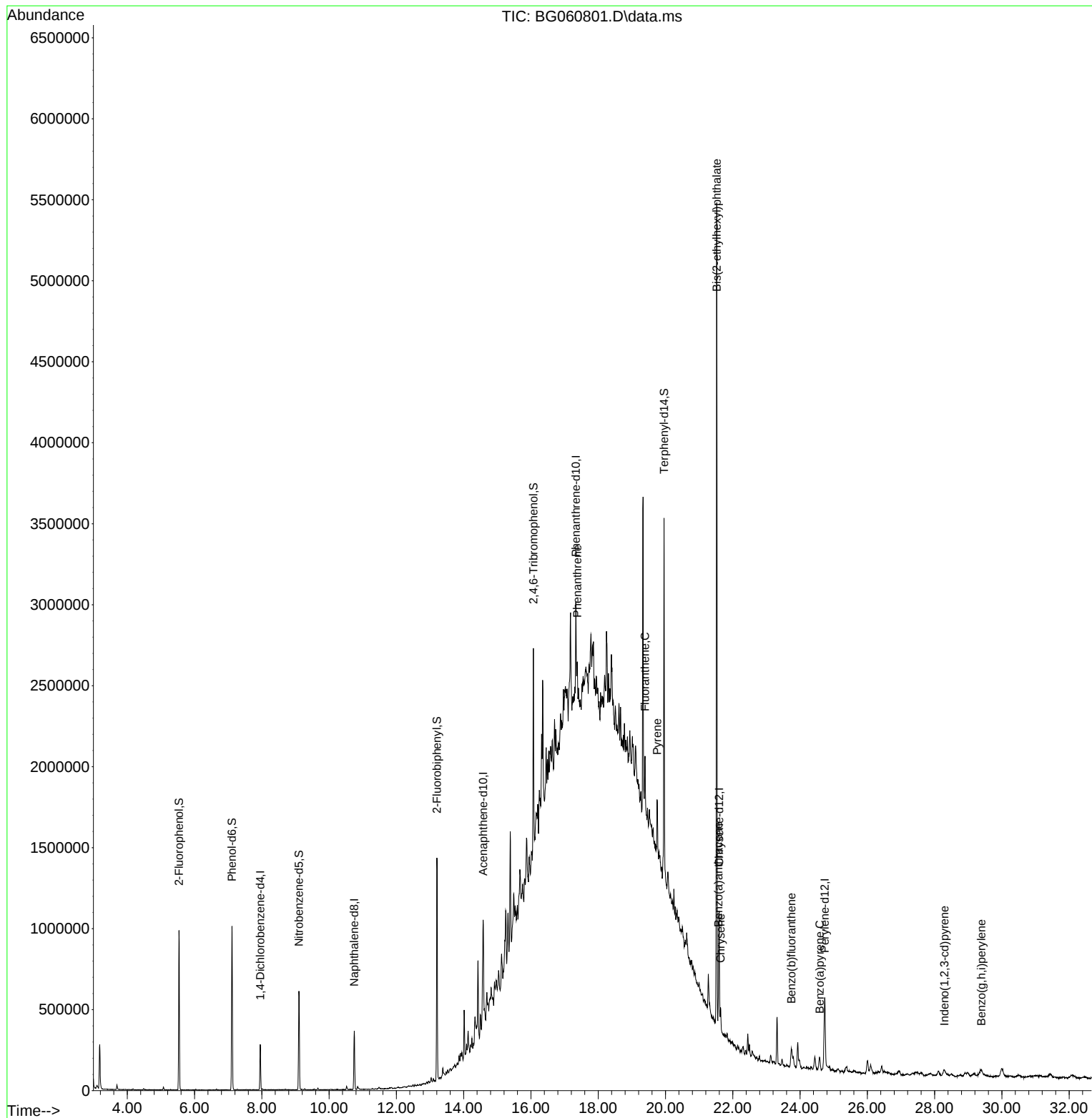
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040524\
Data File : BG060801.D
Acq On : 5 Apr 2024 18:25
Operator : MA/JU
Sample : P1995-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

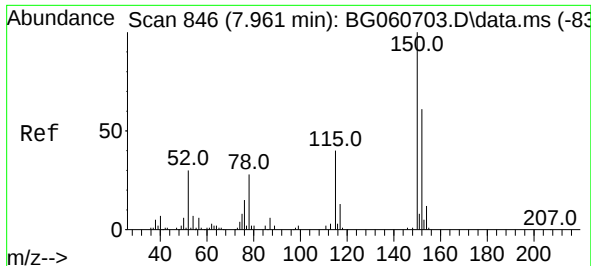
Instrument :
BNA_G
ClientSampleId :
280648

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/08/2024
Supervised By :mohammad ahmed 04/08/2024

Quant Time: Apr 05 19:19:52 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





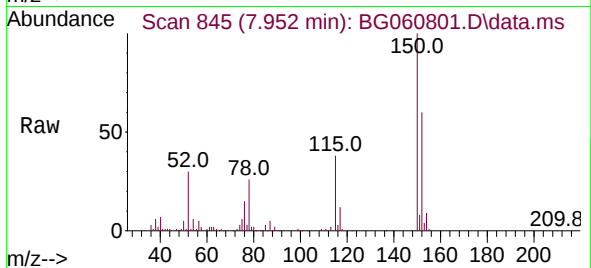
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.952 min Scan# 846
Delta R.T. -0.009 min
Lab File: BG060801.D
Acq: 5 Apr 2024 18:25

Instrument :

BNA_G

ClientSampleId :

280648



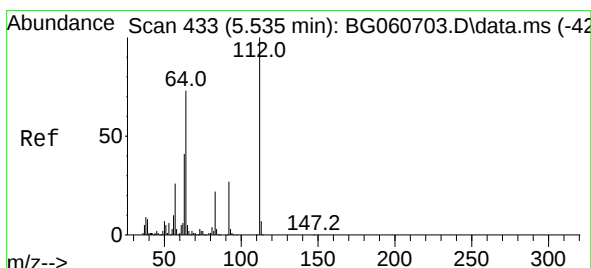
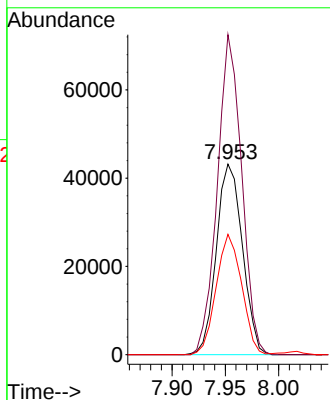
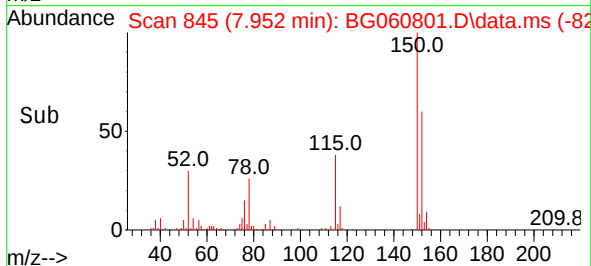
Tgt Ion:152 Resp: 7345
Ion Ratio Lower Upper
152 100
150 167.9 130.2 195.4
115 63.1 51.6 77.4

Manual Integrations

APPROVED

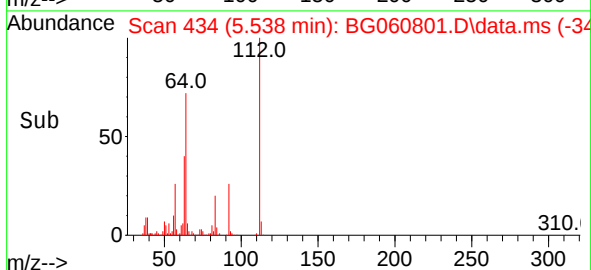
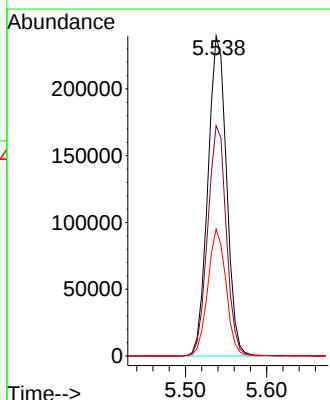
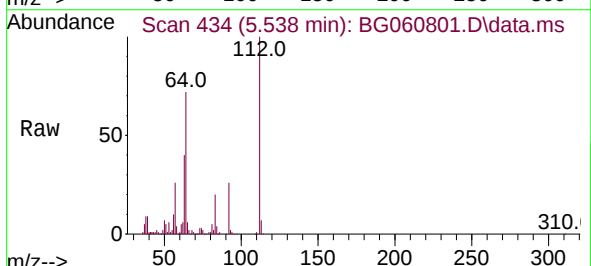
Reviewed By :Yogesh Patel 04/08/2024

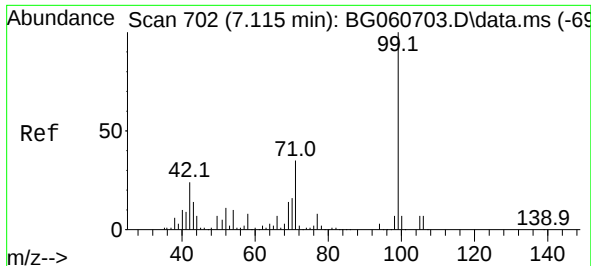
Supervised By :mohammad ahmed 04/08/2024



#5
2-Fluorophenol
Concen: 86.550 ng
RT: 5.538 min Scan# 434
Delta R.T. 0.003 min
Lab File: BG060801.D
Acq: 5 Apr 2024 18:25

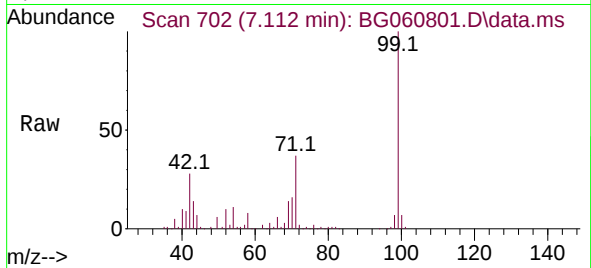
Tgt Ion:112 Resp: 381640
Ion Ratio Lower Upper
112 100
64 72.0 58.4 87.6
63 39.7 32.7 49.1





#7
Phenol-d6
Concen: 79.667 ng
RT: 7.112 min Scan# 702
Delta R.T. -0.003 min
Lab File: BG060801.D
Acq: 5 Apr 2024 18:25

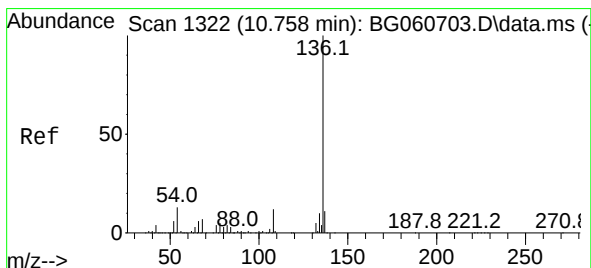
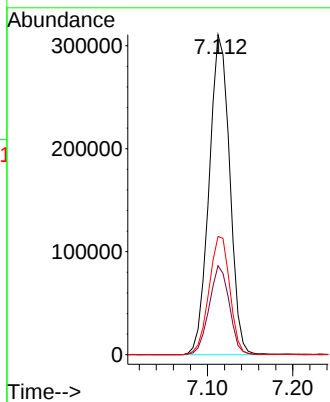
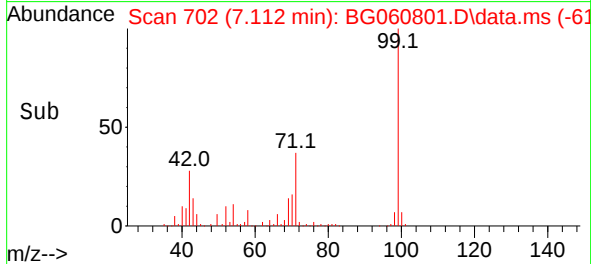
Instrument :
BNA_G
ClientSampleId :
280648



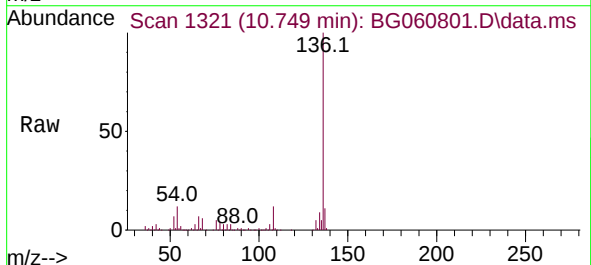
Tgt Ion: 99 Resp: 521450
Ion Ratio Lower Upper
99 100
42 27.8 19.4 29.2
71 37.0 28.2 42.2

Manual Integrations
APPROVED

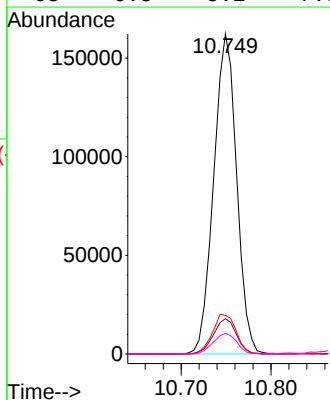
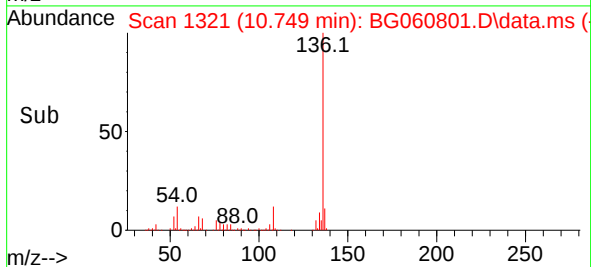
Reviewed By :Yogesh Patel 04/08/2024
Supervised By :mohammad ahmed 04/08/2024

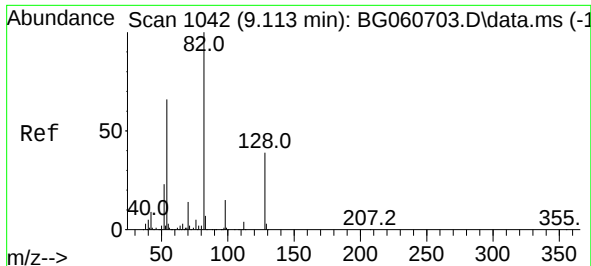


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.749 min Scan# 1321
Delta R.T. -0.009 min
Lab File: BG060801.D
Acq: 5 Apr 2024 18:25



Tgt Ion:136 Resp: 287321
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 12.1 10.2 15.2
68 6.5 5.2 7.8





#23

Nitrobenzene-d5

Concen: 68.057 ng

RT: 9.104 min Scan# 1042

Delta R.T. -0.009 min

Lab File: BG060801.D

Acq: 5 Apr 2024 18:25

Instrument :

BNA_G

ClientSampleId :

280648

Tgt Ion: 82 Resp: 34268

Ion Ratio Lower Upper

82 100

128 39.5 31.2 46.8

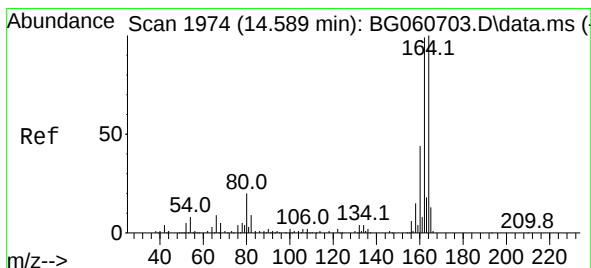
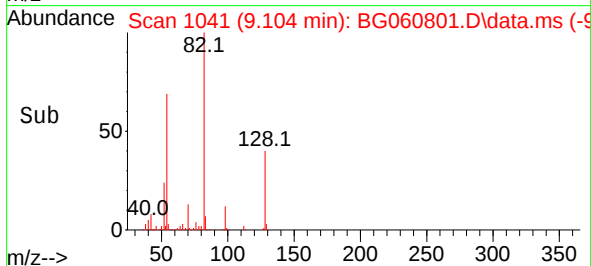
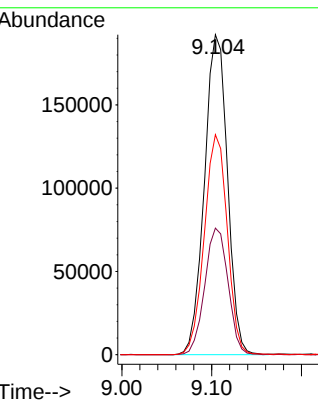
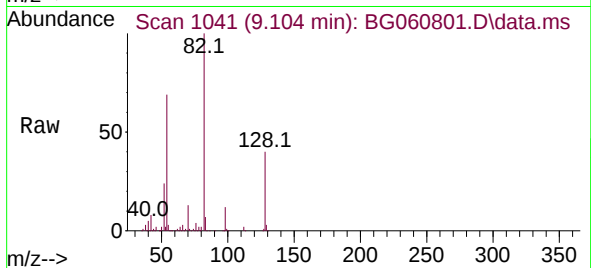
54 68.7 53.2 79.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/08/2024

Supervised By :mohammad ahmed 04/08/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.580 min Scan# 1973

Delta R.T. -0.009 min

Lab File: BG060801.D

Acq: 5 Apr 2024 18:25

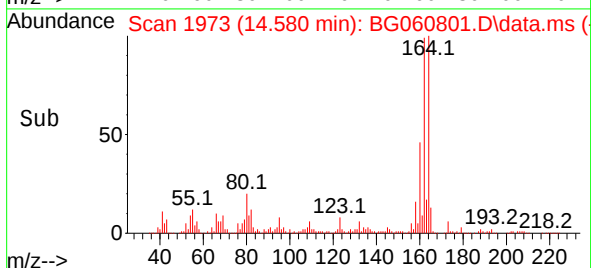
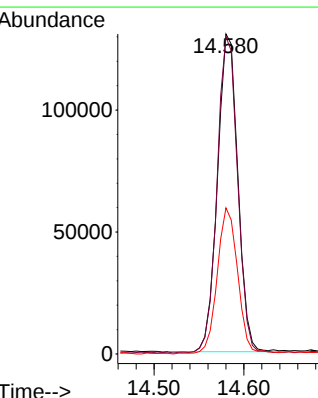
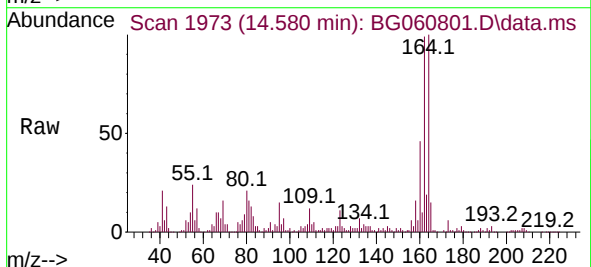
Tgt Ion:164 Resp: 205102

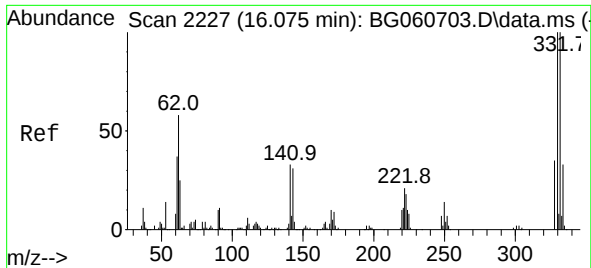
Ion Ratio Lower Upper

164 100

162 99.2 79.5 119.3

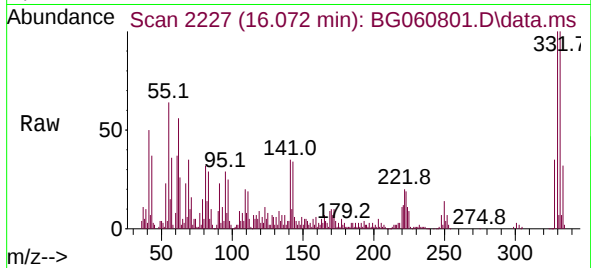
160 45.7 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 105.077 ng
RT: 16.072 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG060801.D
Acq: 5 Apr 2024 18:25

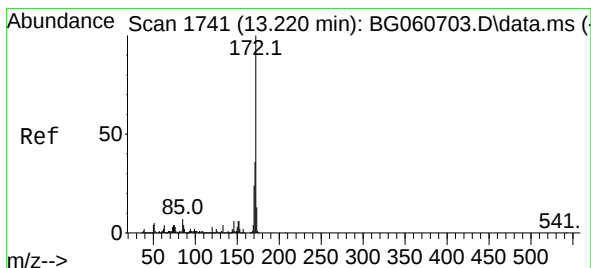
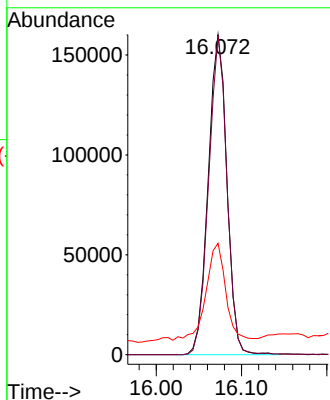
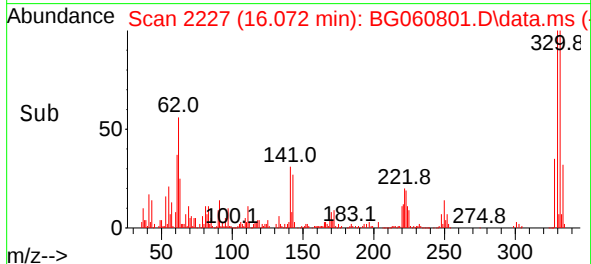
Instrument :
BNA_G
ClientSampleId :
280648



Tgt Ion:330 Resp: 244649
Ion Ratio Lower Upper
330 100
332 97.4 78.2 117.4
141 31.9 27.0 40.6

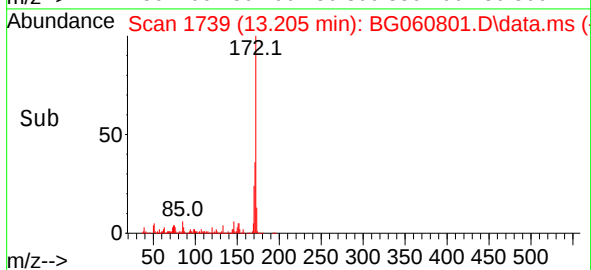
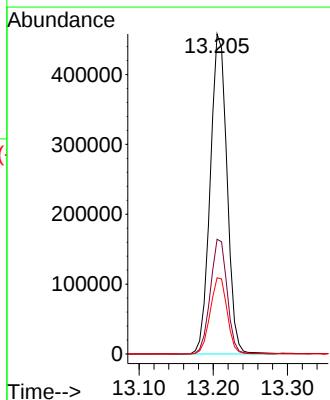
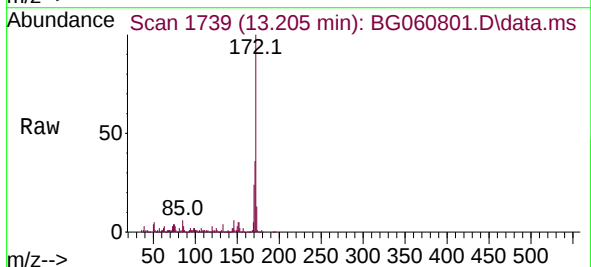
Manual Integrations
APPROVED

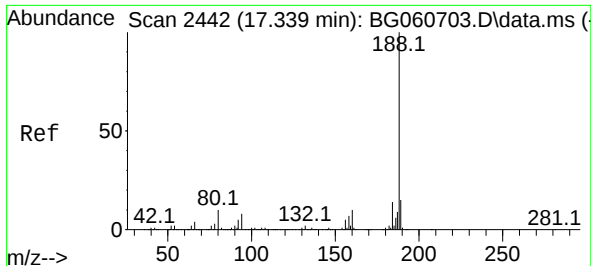
Reviewed By :Yogesh Patel 04/08/2024
Supervised By :mohammad ahmed 04/08/2024



#45
2-Fluorobiphenyl
Concen: 51.453 ng
RT: 13.205 min Scan# 1739
Delta R.T. -0.015 min
Lab File: BG060801.D
Acq: 5 Apr 2024 18:25

Tgt Ion:172 Resp: 719064
Ion Ratio Lower Upper
172 100
171 35.9 28.7 43.1
170 23.8 19.4 29.0





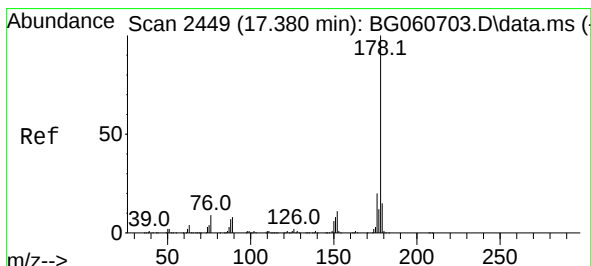
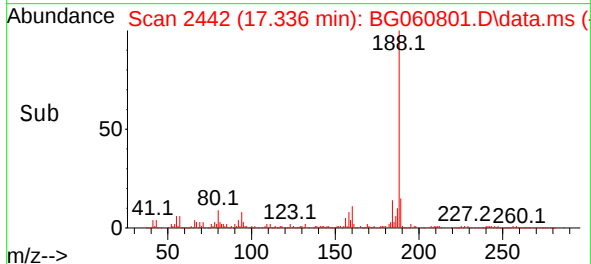
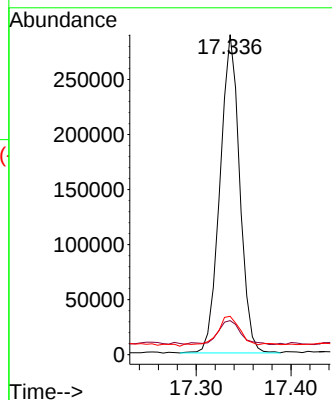
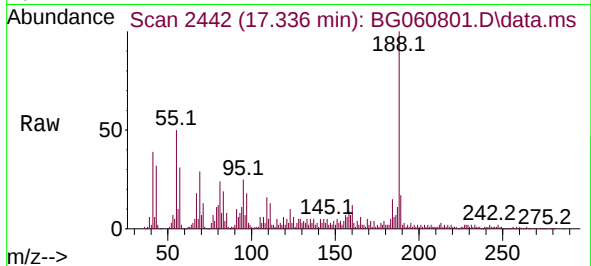
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.336 min Scan# 2442
Delta R.T. -0.003 min
Lab File: BG060801.D
Acq: 5 Apr 2024 18:25

Instrument :
BNA_G
ClientSampleId :
280648

Tgt Ion:188 Resp: 417310
Ion Ratio Lower Upper
188 100
94 10.6 6.6 9.8#
80 12.0 7.6 11.4#

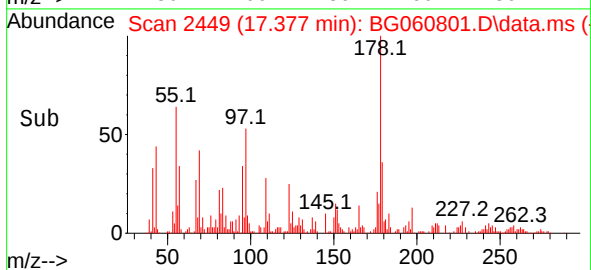
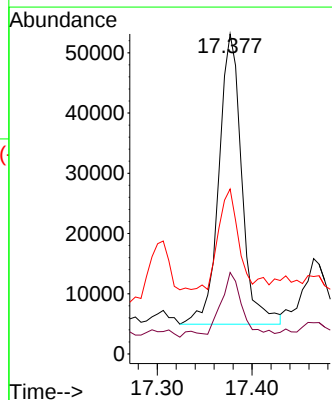
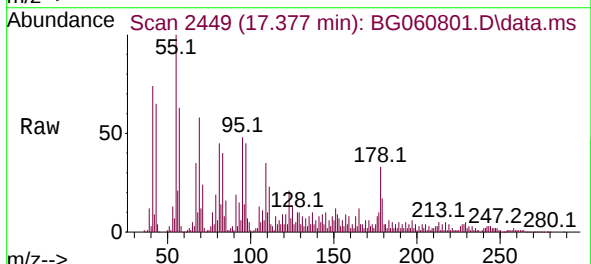
Manual Integrations
APPROVED

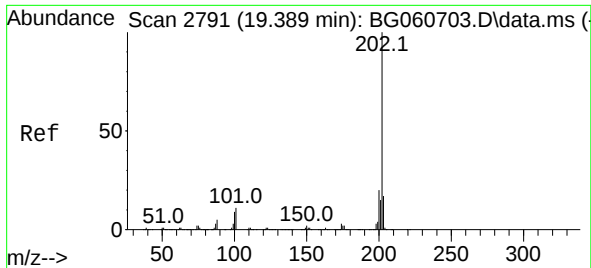
Reviewed By :Yogesh Patel 04/08/2024
Supervised By :mohammad ahmed 04/08/2024



#71
Phenanthrene
Concen: 3.747 ng
RT: 17.377 min Scan# 2449
Delta R.T. -0.003 min
Lab File: BG060801.D
Acq: 5 Apr 2024 18:25

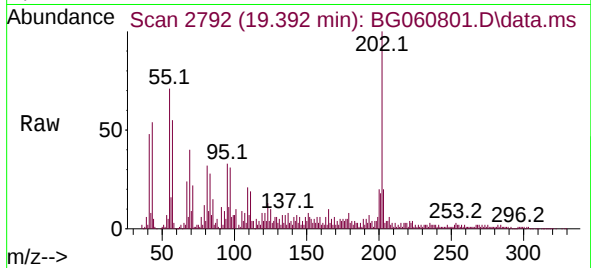
Tgt Ion:178 Resp: 81326
Ion Ratio Lower Upper
178 100
176 25.4 15.8 23.6#
179 51.5 12.2 18.4#





#75
Fluoranthene
Concen: 7.405 ng
RT: 19.392 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG060801.D
Acq: 5 Apr 2024 18:25

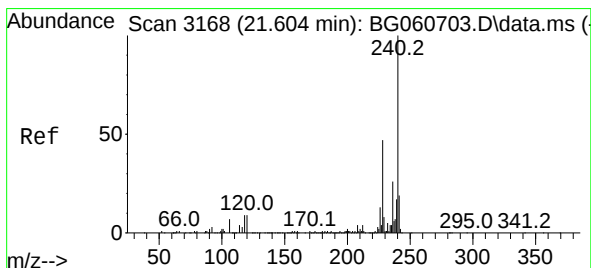
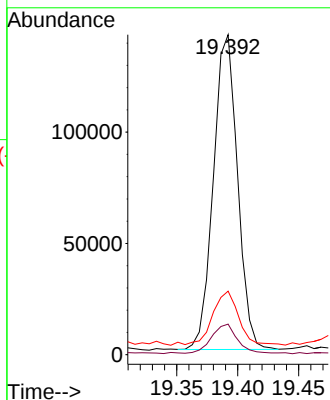
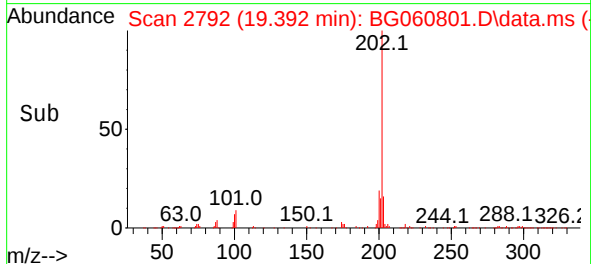
Instrument :
BNA_G
ClientSampleId :
280648



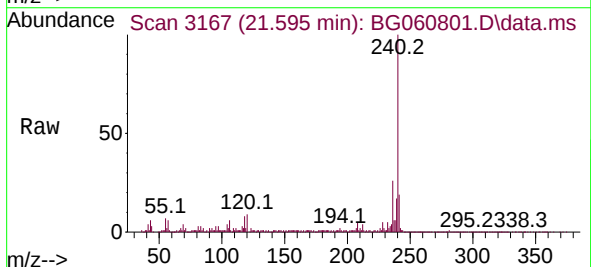
Tgt Ion:202 Resp: 195030
Ion Ratio Lower Upper
202 100
101 9.6 0.0 30.8
203 19.8 0.0 37.4

Manual Integrations
APPROVED

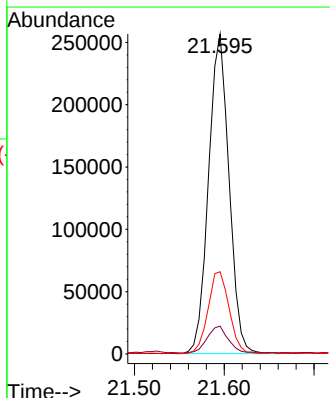
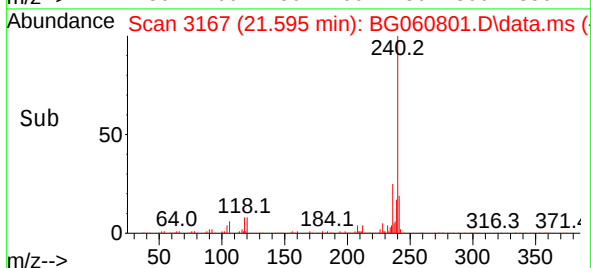
Reviewed By :Yogesh Patel 04/08/2024
Supervised By :mohammad ahmed 04/08/2024

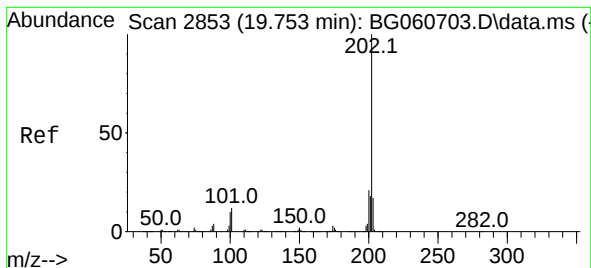


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.595 min Scan# 3167
Delta R.T. -0.009 min
Lab File: BG060801.D
Acq: 5 Apr 2024 18:25



Tgt Ion:240 Resp: 406268
Ion Ratio Lower Upper
240 100
120 8.7 7.1 10.7
236 25.7 20.7 31.1





#78

Pyrene

Concen: 6.245 ng m

RT: 19.750 min Scan# 2853

Delta R.T. -0.003 min

Lab File: BG060801.D

Acq: 5 Apr 2024 18:25

Instrument :

BNA_G

ClientSampleId :

280648

Tgt Ion:202 Resp: 17745

Ion Ratio Lower Upper

202 100

200 19.2 17.0 25.4

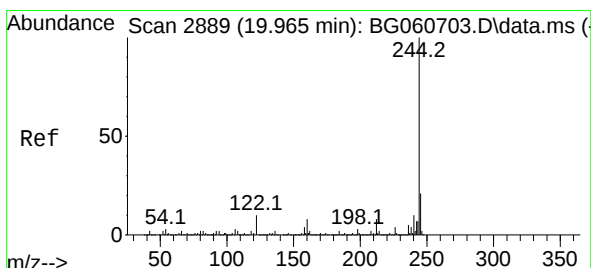
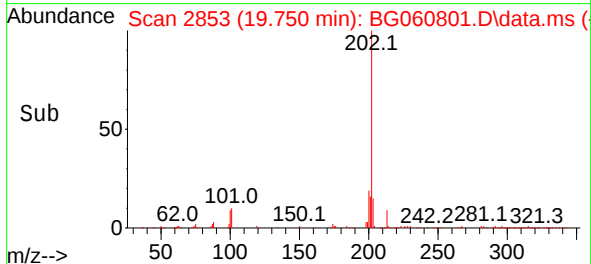
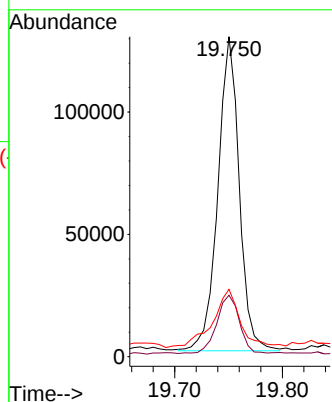
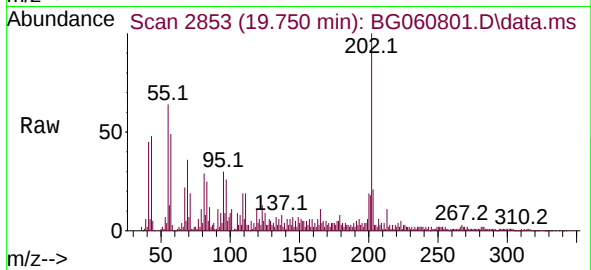
203 21.0 14.0 21.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/08/2024

Supervised By :mohammad ahmed 04/08/2024



#79

Terphenyl-d14

Concen: 47.673 ng

RT: 19.956 min Scan# 2888

Delta R.T. -0.009 min

Lab File: BG060801.D

Acq: 5 Apr 2024 18:25

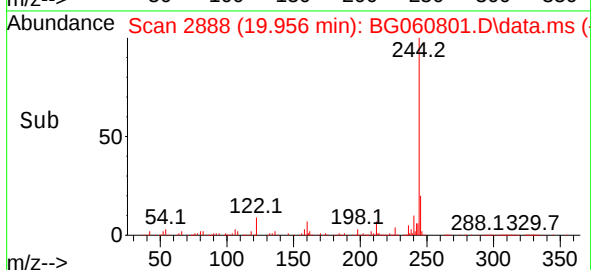
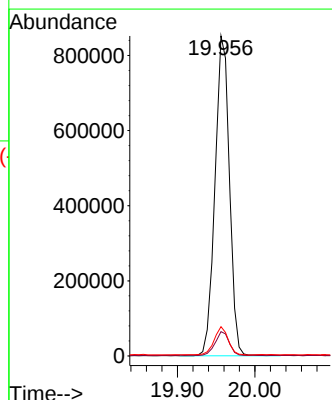
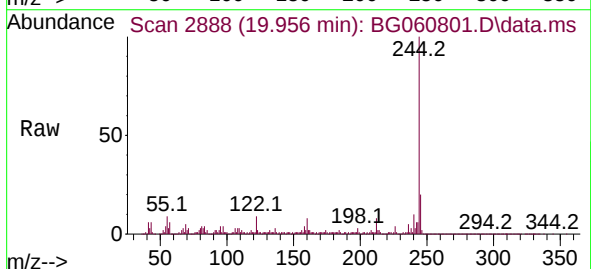
Tgt Ion:244 Resp: 1099938

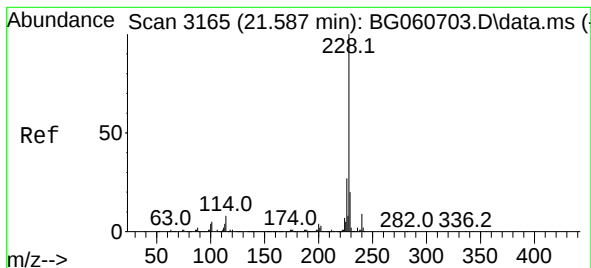
Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

122 9.2 7.8 11.8





#81

Benzo(a)anthracene

Concen: 2.963 ng

RT: 21.578 min Scan# 3165

Delta R.T. -0.009 min

Lab File: BG060801.D

Acq: 5 Apr 2024 18:25

Instrument :

BNA_G

ClientSampleId :

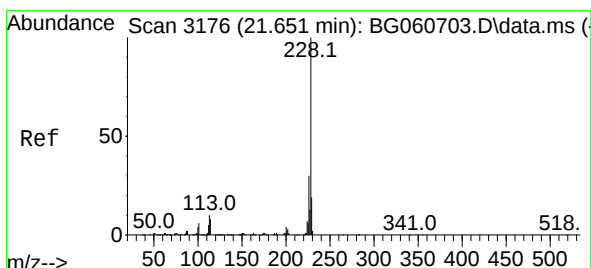
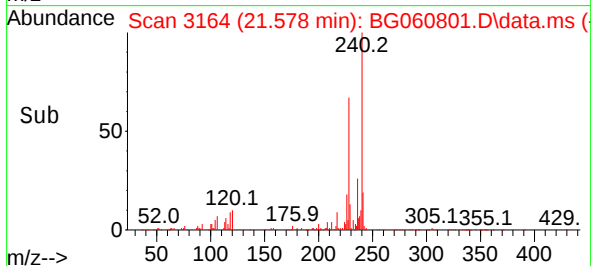
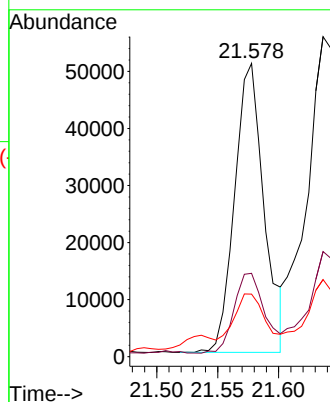
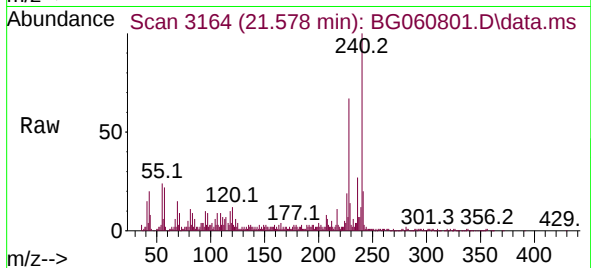
280648

Tgt Ion:228 Resp: 84850
 Ion Ratio Lower Upper
 228 100
 226 28.4 21.7 32.5
 229 21.3 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/08/2024
 Supervised By :mohammad ahmed 04/08/2024



#83

Chrysene

Concen: 3.878 ng m

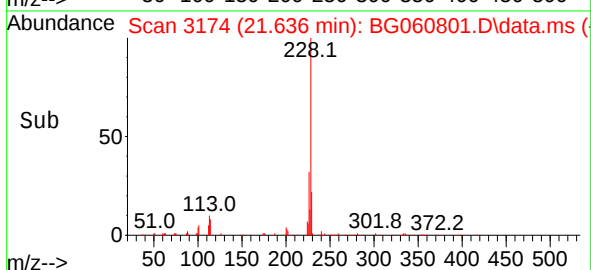
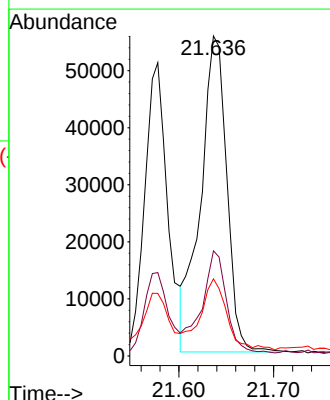
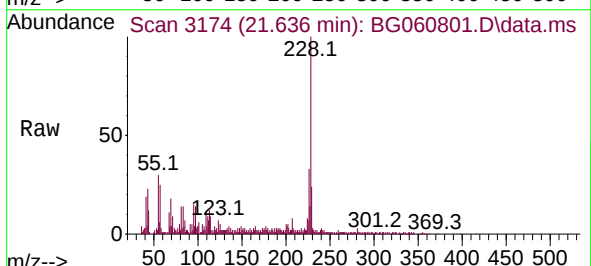
RT: 21.636 min Scan# 3174

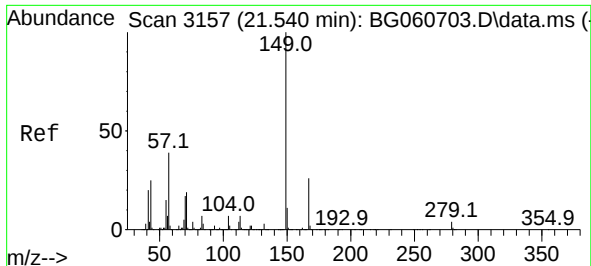
Delta R.T. -0.015 min

Lab File: BG060801.D

Acq: 5 Apr 2024 18:25

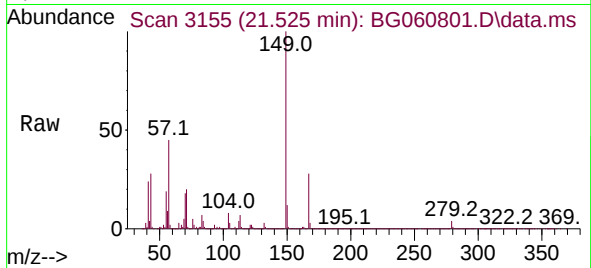
Tgt Ion:228 Resp: 107040
 Ion Ratio Lower Upper
 228 100
 226 32.9 24.2 36.4
 229 24.1 15.5 23.3#





#84
Bis(2-ethylhexyl)phthalate
Concen: 112.987 ng
RT: 21.525 min Scan# 3155
Delta R.T. -0.015 min
Lab File: BG060801.D
Acq: 5 Apr 2024 18:25

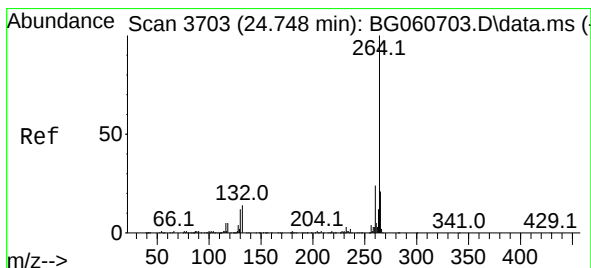
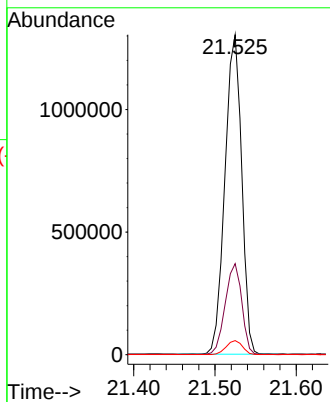
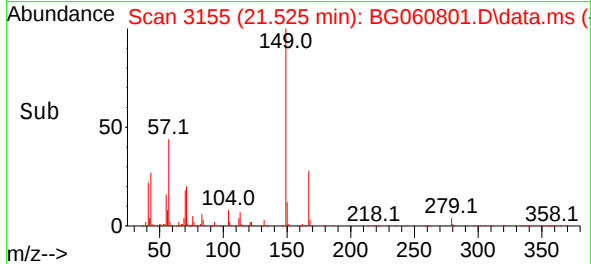
Instrument :
BNA_G
ClientSampleId :
280648



Tgt Ion:149 Resp: 1866578
Ion Ratio Lower Upper
149 100
167 28.4 20.6 30.8
279 4.4 3.0 4.4

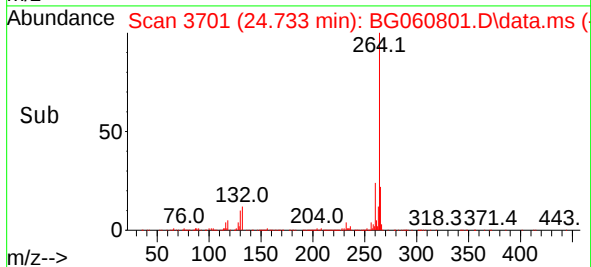
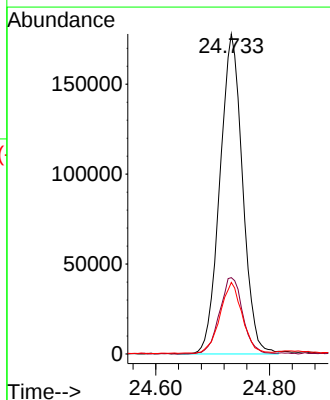
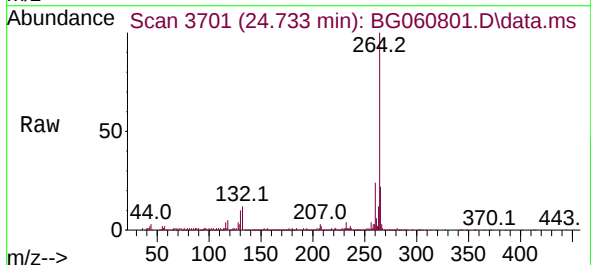
Manual Integrations
APPROVED

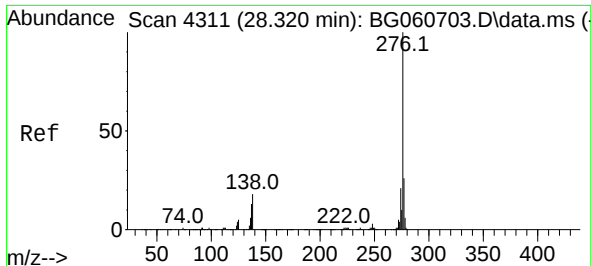
Reviewed By :Yogesh Patel 04/08/2024
Supervised By :mohammad ahmed 04/08/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.733 min Scan# 3701
Delta R.T. -0.015 min
Lab File: BG060801.D
Acq: 5 Apr 2024 18:25

Tgt Ion:264 Resp: 492382
Ion Ratio Lower Upper
264 100
260 23.8 19.5 29.3
265 22.3 16.9 25.3





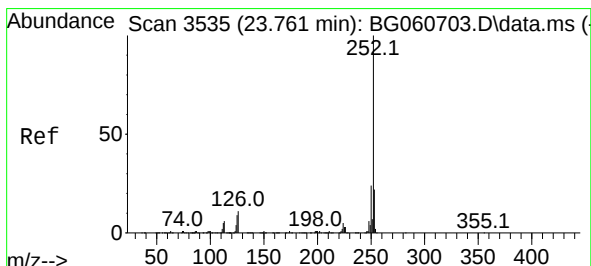
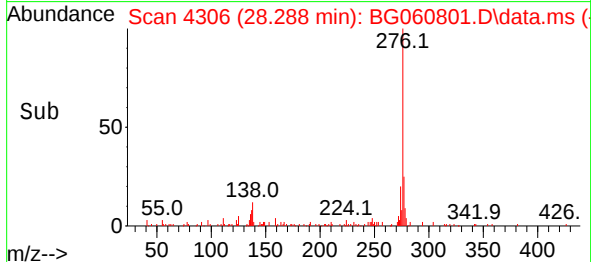
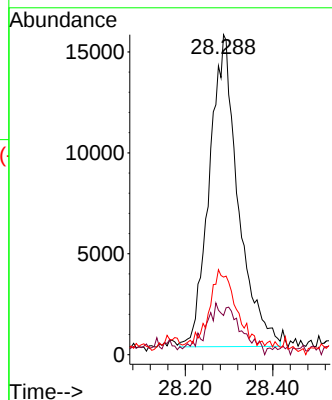
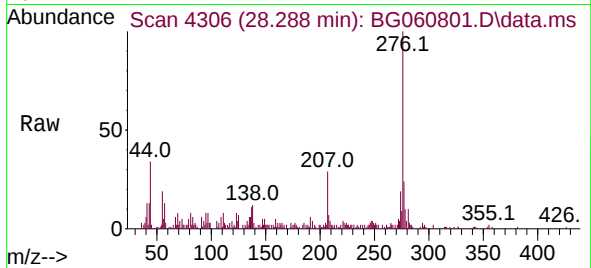
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.036 ng
RT: 28.288 min Scan# 4311
Delta R.T. -0.032 min
Lab File: BG060801.D
Acq: 5 Apr 2024 18:25

Instrument :
BNA_G
ClientSampleId :
280648

Tgt Ion:276 Resp: 7058
Ion Ratio Lower Upper
276 100
138 8.0 12.4 18.6
277 22.6 20.2 30.2

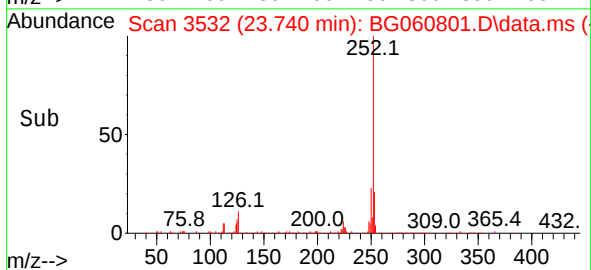
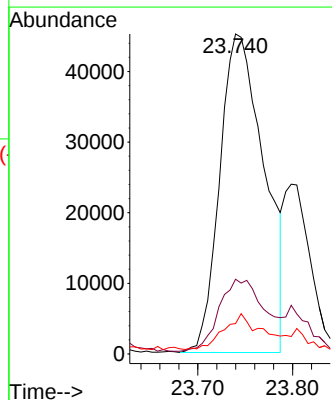
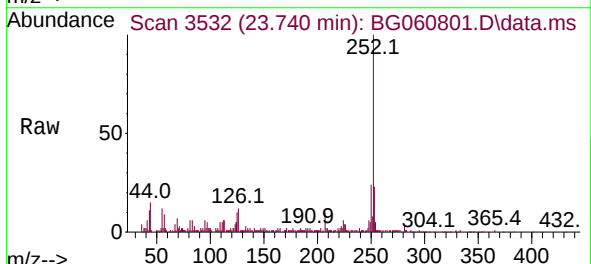
Manual Integrations
APPROVED

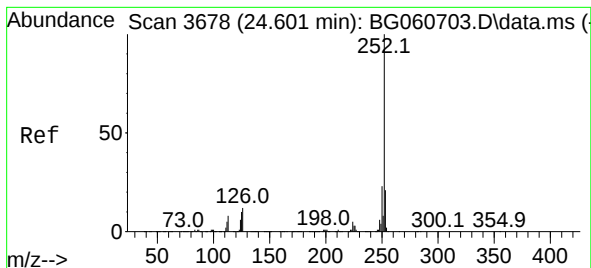
Reviewed By :Yogesh Patel 04/08/2024
Supervised By :mohammad ahmed 04/08/2024



#88
Benzo(b)fluoranthene
Concen: 5.187 ng
RT: 23.740 min Scan# 3532
Delta R.T. -0.021 min
Lab File: BG060801.D
Acq: 5 Apr 2024 18:25

Tgt Ion:252 Resp: 146740
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 9.5 7.1 10.7





#90

Benzo(a)pyrene

Concen: 3.297 ng

RT: 24.586 min Scan# 30

Delta R.T. -0.015 min

Lab File: BG060801.D

Acq: 5 Apr 2024 18:25

Instrument :

BNA_G

ClientSampleId :

280648

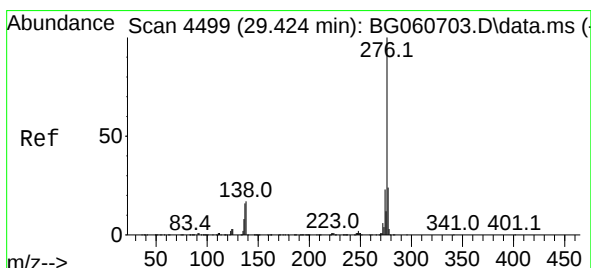
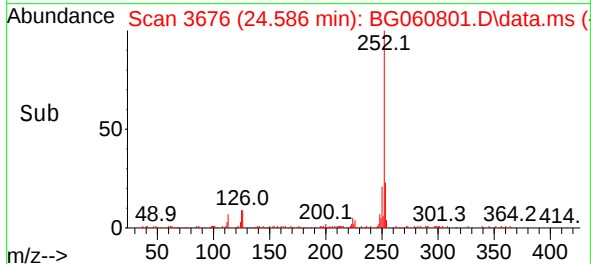
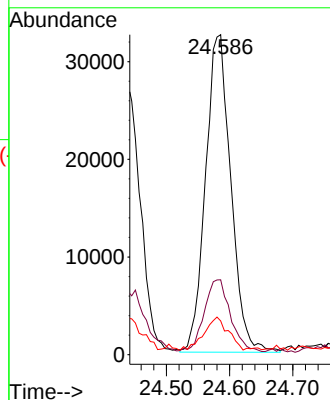
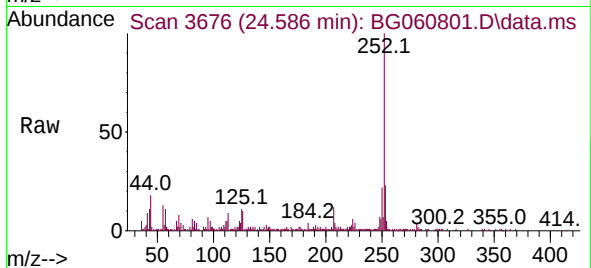
Tgt Ion:252 Resp: 90623
 Ion Ratio Lower Upper
 252 100
 253 23.4 16.8 25.2
 125 10.5 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/08/2024

Supervised By :mohammad ahmed 04/08/2024



#92

Benzo(g,h,i)perylene

Concen: 2.809 ng m

RT: 29.386 min Scan# 4493

Delta R.T. -0.038 min

Lab File: BG060801.D

Acq: 5 Apr 2024 18:25

Tgt Ion:276 Resp: 79863
 Ion Ratio Lower Upper
 276 100
 277 20.1 18.9 28.3
 138 16.7 14.0 21.0

