

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040124\
 Data File : BG060724.D
 Acq On : 1 Apr 2024 20:56
 Operator : MA/JU
 Sample : P1936-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-032924

Manual Integrations
 APPROVED

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

Quant Time: Apr 02 01:19:27 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	7.953	152	66317	20.000	ng	0.00
21) Naphthalene-d8	10.749	136	317356	20.000	ng	0.00
39) Acenaphthene-d10	14.580	164	244446	20.000	ng	0.00
64) Phenanthrene-d10	17.330	188	533477	20.000	ng	0.00
76) Chrysene-d12	21.590	240	493824	20.000	ng	#-0.01
86) Perylene-d12	24.727	264	581497	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.532	112	317865	79.848	ng	0.00
7) Phenol-d6	7.113	99	518292	87.710	ng	0.00
23) Nitrobenzene-d5	9.104	82	305534	54.936	ng	0.00
42) 2,4,6-Tribromophenol	16.067	330	240644	86.723	ng	0.00
45) 2-Fluorobiphenyl	13.211	172	789522	47.402	ng	0.00
79) Terphenyl-d14	19.956	244	1291931	46.067	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.371	178	277310	9.995	ng	99
75) Fluoranthene	19.381	202	536501	15.935	ng	99
78) Pyrene	19.745	202	478820	13.864	ng	98
81) Benzo(a)anthracene	21.572	228	200568	5.762	ng	99
83) Chrysene	21.637	228	233089m	6.947	ng	
87) Indeno(1,2,3-cd)pyrene	28.264	276	130024	3.175	ng	95
88) Benzo(b)fluoranthene	23.740	252	281212	8.418	ng	98
89) Benzo(k)fluoranthene	23.799	252	103268m	3.020	ng	
90) Benzo(a)pyrene	24.580	252	196115	6.041	ng	95
92) Benzo(g,h,i)perylene	29.375	276	124590	3.710	ng	96

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

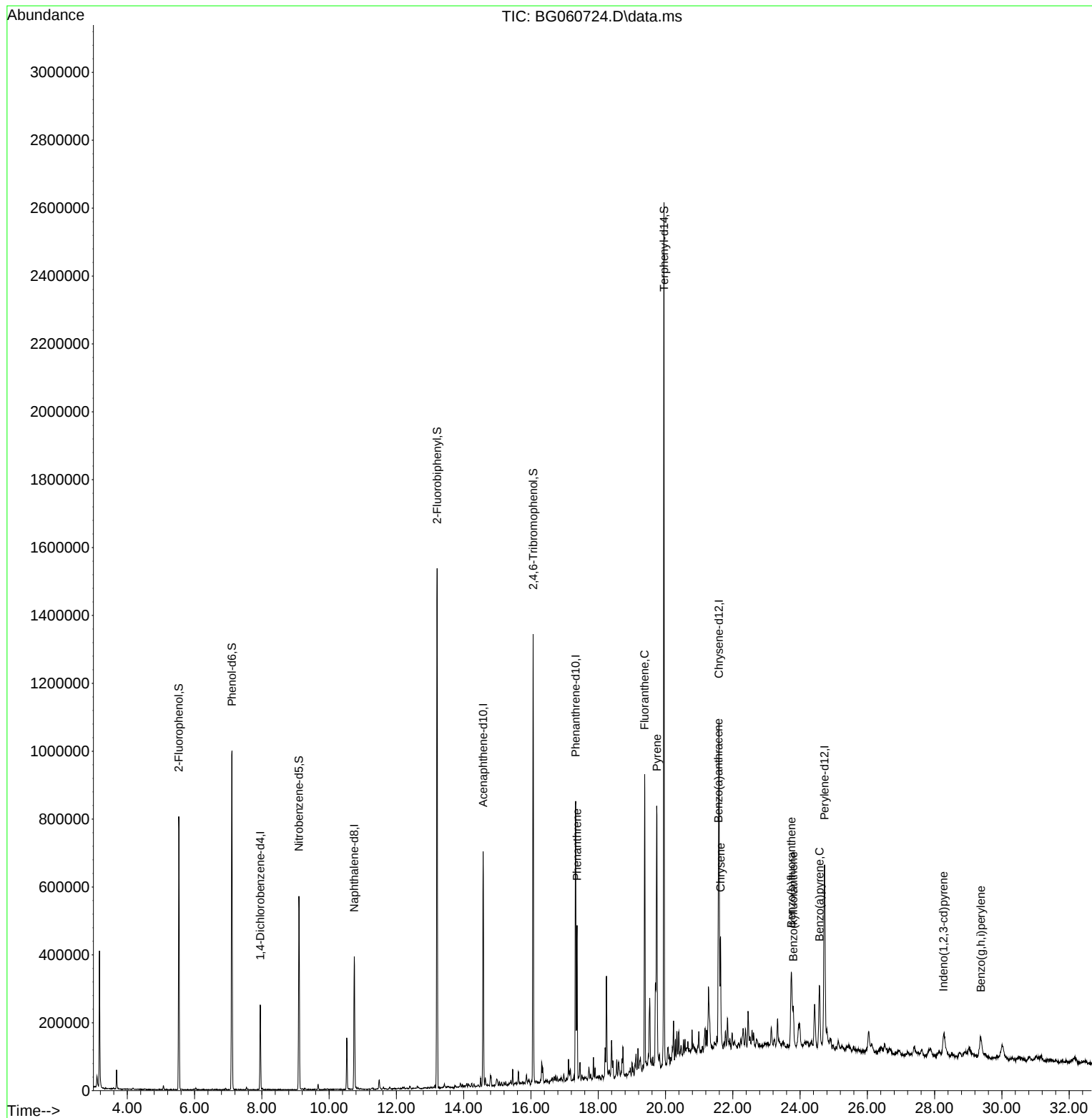
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040124\
Data File : BG060724.D
Acq On : 1 Apr 2024 20:56
Operator : MA/JU
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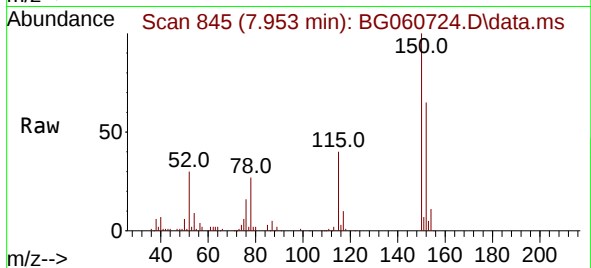
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.953 min Scan# 846
Delta R.T. -0.008 min
Lab File: BG060724.D
Acq: 1 Apr 2024 20:56

Instrument :

BNA_G

ClientSampleId :

TR-04-032924



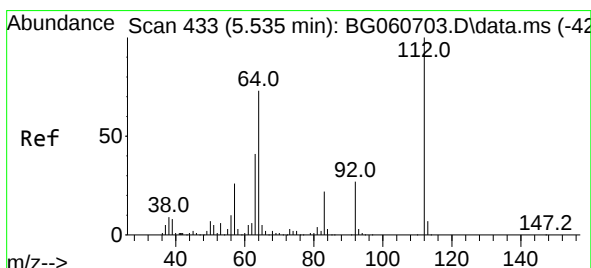
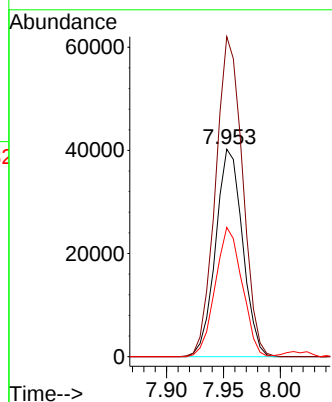
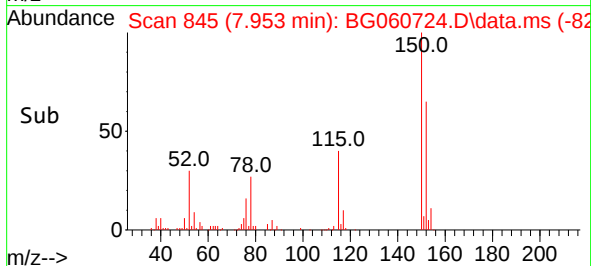
Tgt Ion:152 Resp: 6631
Ion Ratio Lower Upper
152 100
150 154.2 130.2 195.4
115 62.4 51.6 77.4

Manual Integrations

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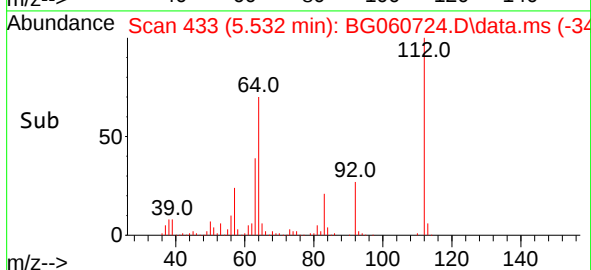
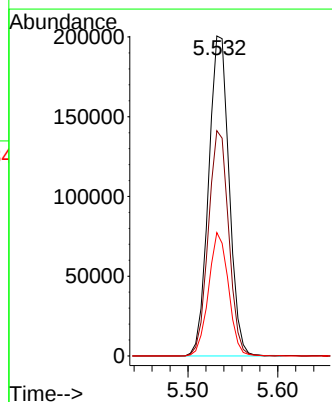
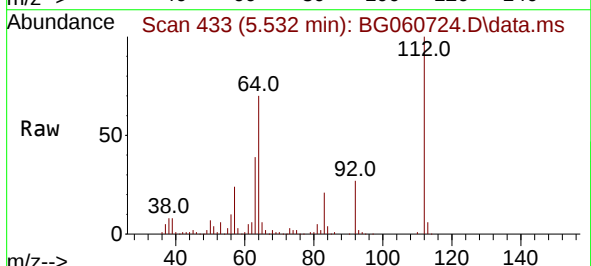
Reviewed By :Yogesh Patel 04/02/2024

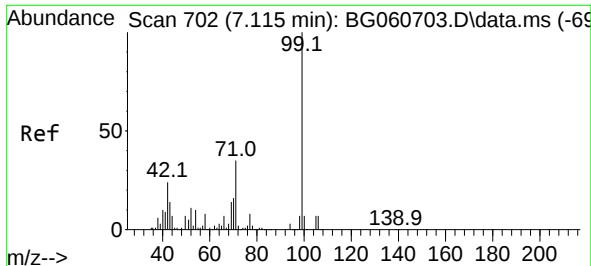
Supervised By :mohammad ahmed 04/02/2024



#5
2-Fluorophenol
Concen: 79.848 ng
RT: 5.532 min Scan# 433
Delta R.T. -0.003 min
Lab File: BG060724.D
Acq: 1 Apr 2024 20:56

Tgt Ion:112 Resp: 317865
Ion Ratio Lower Upper
112 100
64 70.4 58.4 87.6
63 38.5 32.7 49.1





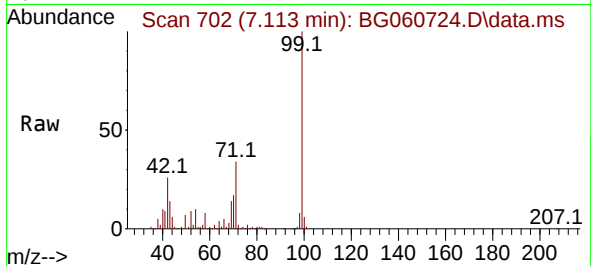
#7
Phenol-d6
Concen: 87.710 ng
RT: 7.113 min Scan# 702
Delta R.T. -0.003 min
Lab File: BG060724.D
Acq: 1 Apr 2024 20:56

Instrument :

BNA_G

ClientSampleId :

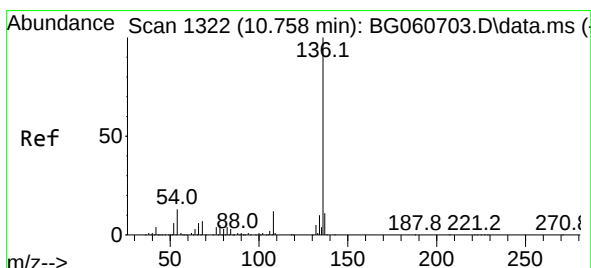
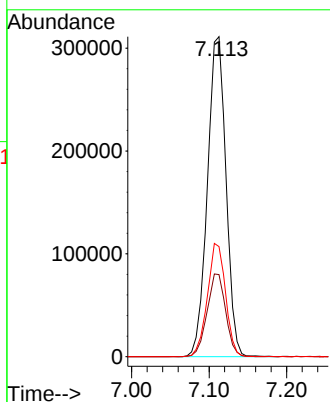
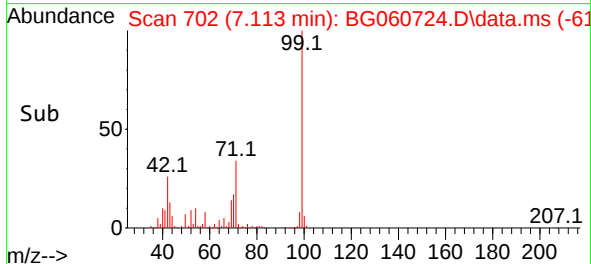
TR-04-032924



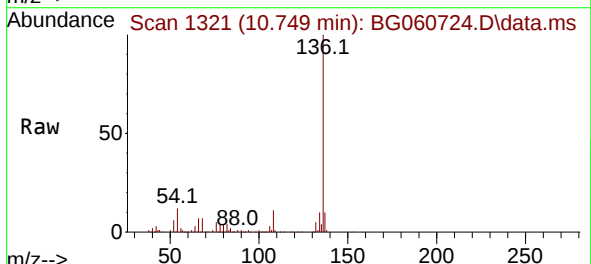
Tgt Ion: 99 Resp: 51829
Ion Ratio Lower Upper
99 100
42 25.6 19.4 29.2
71 34.4 28.2 42.2

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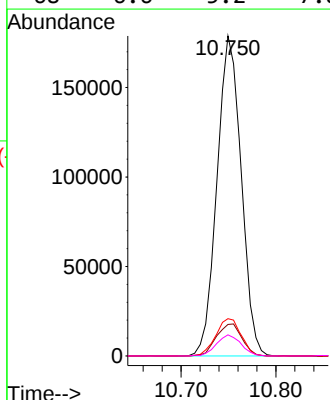
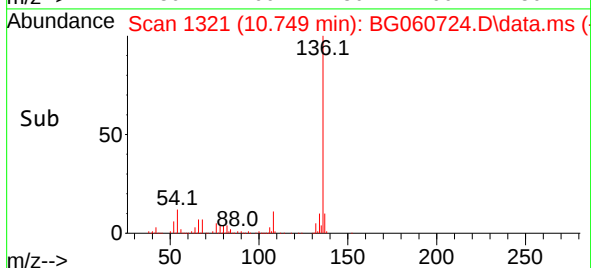
Reviewed By :Yogesh Patel 04/02/2024
Supervised By :mohammad ahmed 04/02/2024

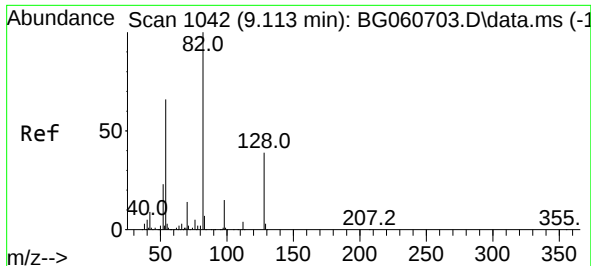


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.749 min Scan# 1321
Delta R.T. -0.008 min
Lab File: BG060724.D
Acq: 1 Apr 2024 20:56



Tgt Ion:136 Resp: 317356
Ion Ratio Lower Upper
136 100
137 9.9 8.8 13.2
54 11.7 10.2 15.2
68 6.6 5.2 7.8





#23

Nitrobenzene-d5

Concen: 54.936 ng

RT: 9.104 min Scan# 1042

Delta R.T. -0.009 min

Lab File: BG060724.D

Acq: 1 Apr 2024 20:56

Instrument :

BNA_G

ClientSampleId :

TR-04-032924

Tgt Ion: 82 Resp: 305534

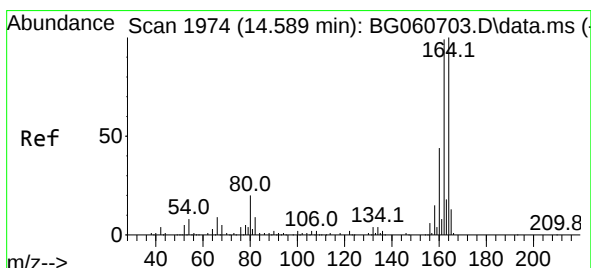
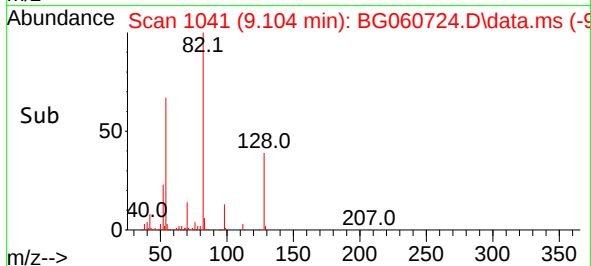
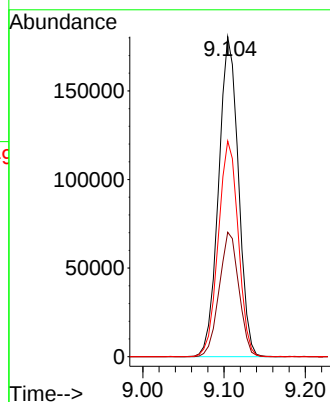
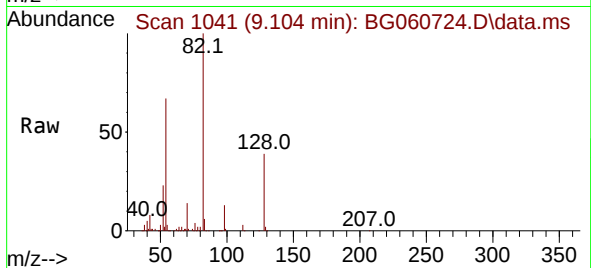
Ion	Ratio	Lower	Upper
82	100		
128	38.9	31.2	46.8
54	67.4	53.2	79.8

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.580 min Scan# 1973

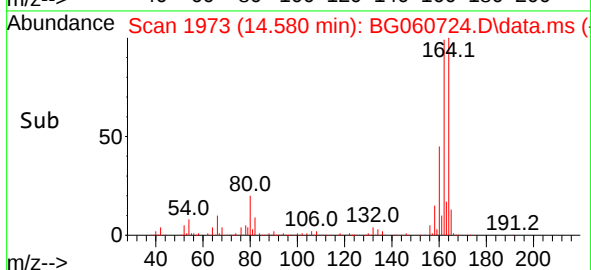
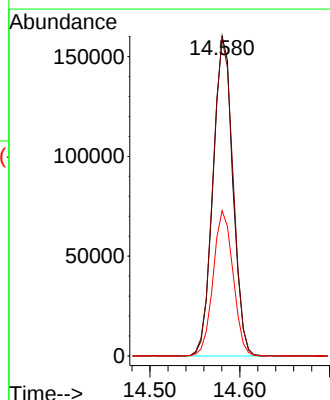
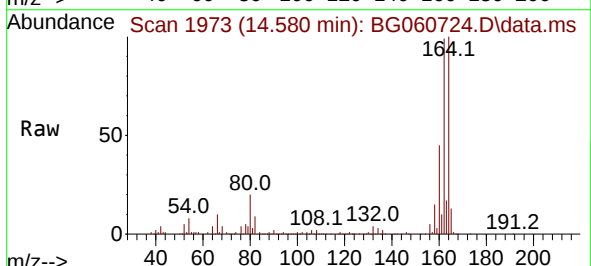
Delta R.T. -0.009 min

Lab File: BG060724.D

Acq: 1 Apr 2024 20:56

Tgt Ion:164 Resp: 244446

Ion	Ratio	Lower	Upper
164	100		
162	99.1	79.5	119.3
160	45.4	35.4	53.0





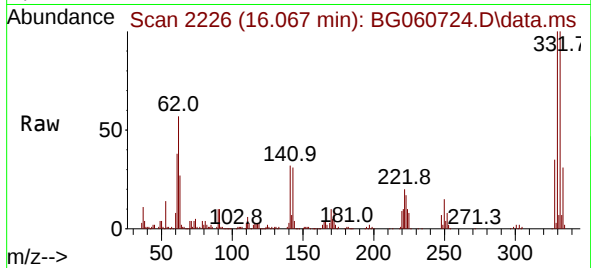
#42
2,4,6-Tribromophenol
Concen: 86.723 ng
RT: 16.067 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG060724.D
Acq: 1 Apr 2024 20:56

Instrument :

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ClientSampleId :

TR-04-032924



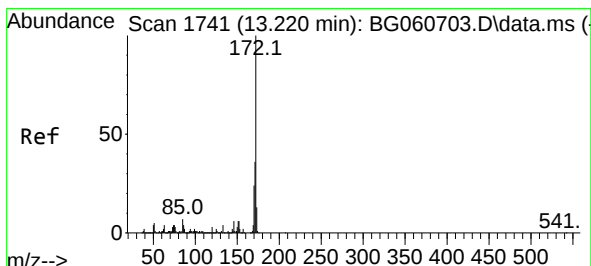
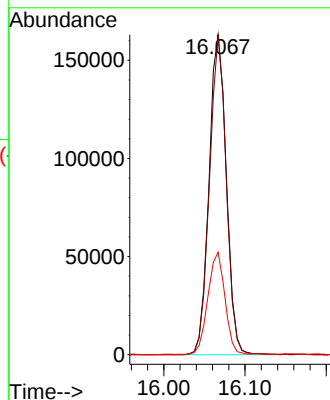
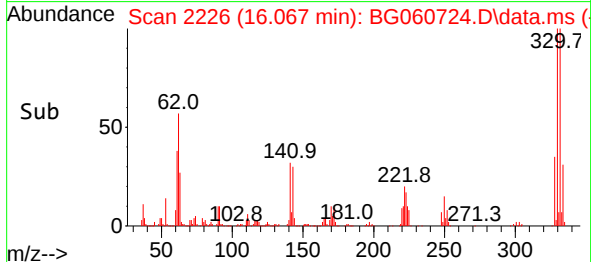
Tgt Ion:330 Resp: 240644
Ion Ratio Lower Upper
330 100
332 96.6 78.2 117.4
141 31.4 27.0 40.6

Manual Integrations

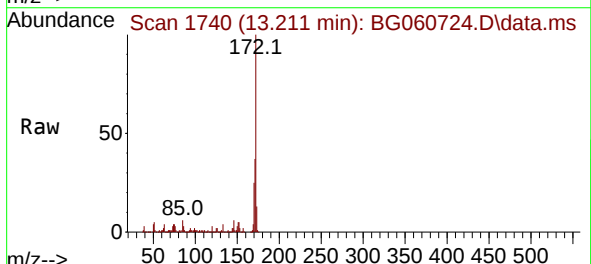
APPROVED

Reviewed By :Yogesh Patel 04/02/2024

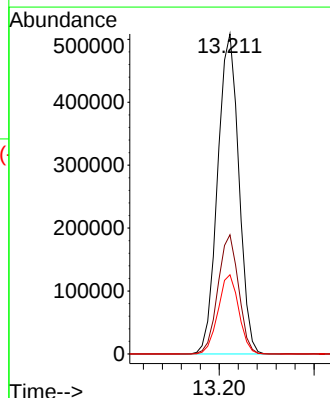
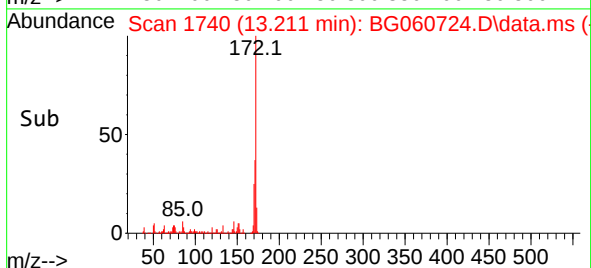
Supervised By :mohammad ahmed 04/02/2024

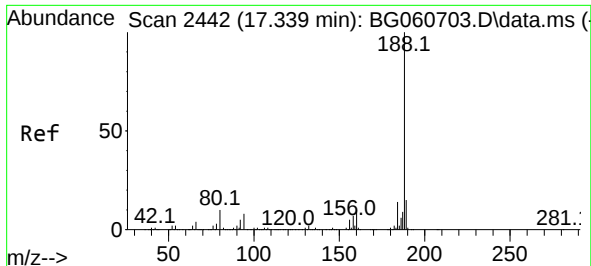


#45
2-Fluorobiphenyl
Concen: 47.402 ng
RT: 13.211 min Scan# 1740
Delta R.T. -0.009 min
Lab File: BG060724.D
Acq: 1 Apr 2024 20:56



Tgt Ion:172 Resp: 789522
Ion Ratio Lower Upper
172 100
171 37.3 28.7 43.1
170 24.7 19.4 29.0





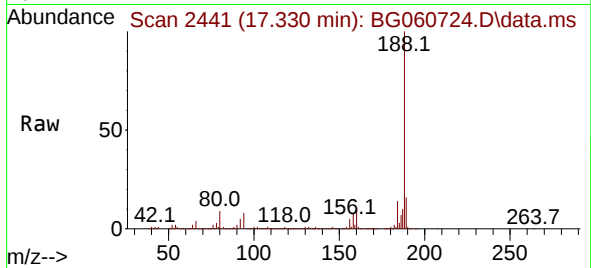
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.330 min Scan# 2442
Delta R.T. -0.009 min
Lab File: BG060724.D
Acq: 1 Apr 2024 20:56

Instrument :

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ClientSampleId :

TR-04-032924



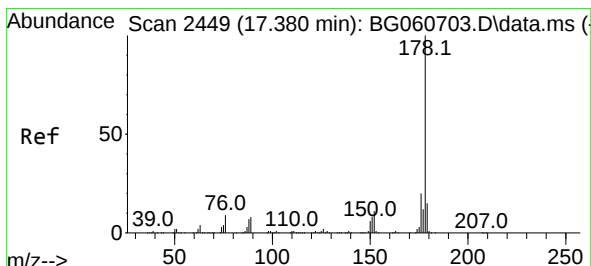
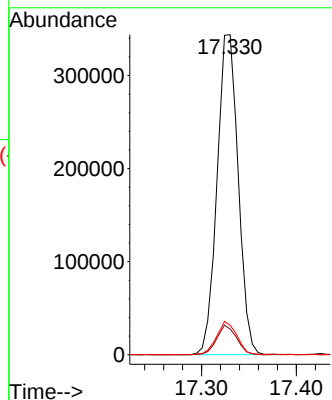
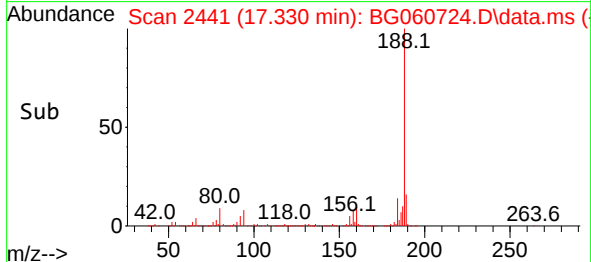
Tgt Ion:188 Resp: 53347
Ion Ratio Lower Upper
188 100
94 8.0 6.6 9.8
80 9.2 7.6 11.4

Manual Integrations

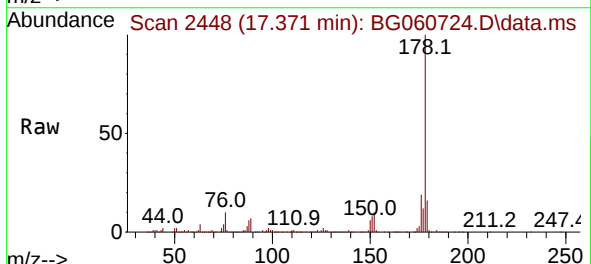
APPROVED

Reviewed By :Yogesh Patel 04/02/2024

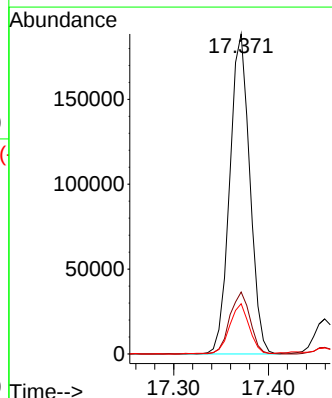
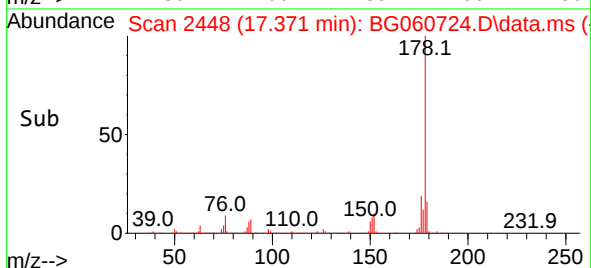
Supervised By :mohammad ahmed 04/02/2024

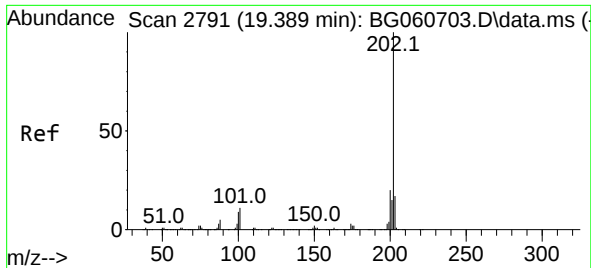


#71
Phenanthrene
Concen: 9.995 ng
RT: 17.371 min Scan# 2448
Delta R.T. -0.009 min
Lab File: BG060724.D
Acq: 1 Apr 2024 20:56



Tgt Ion:178 Resp: 277310
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.6
179 15.7 12.2 18.4





#75
Fluoranthene
Concen: 15.935 ng
RT: 19.381 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG060724.D
Acq: 1 Apr 2024 20:56

Instrument :

BNA_G

ClientSampleId :

TR-04-032924

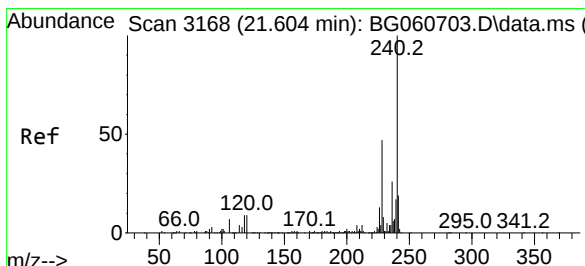
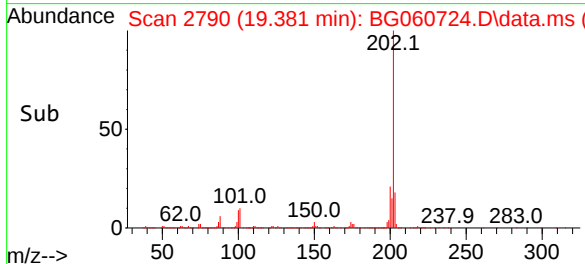
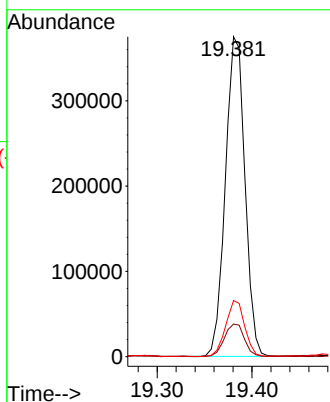
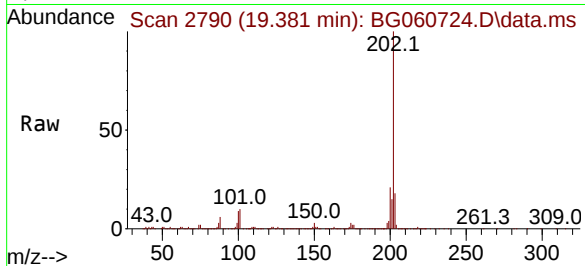
Tgt Ion:202 Resp: 53650
Ion Ratio Lower Upper
202 100
101 10.2 0.0 30.8
203 17.6 0.0 37.4

Manual Integrations

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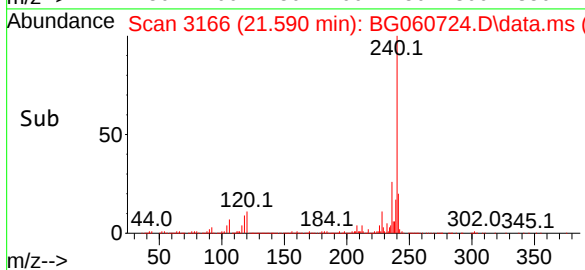
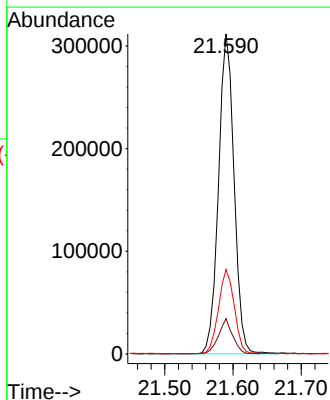
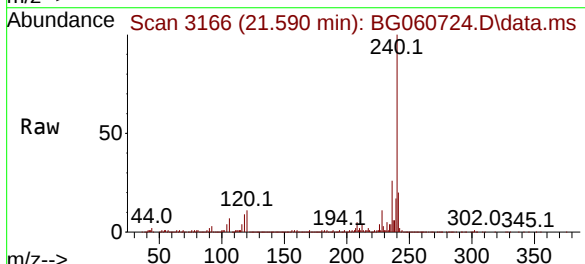
Reviewed By :Yogesh Patel 04/02/2024

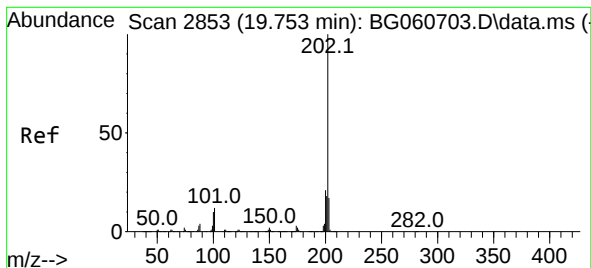
Supervised By :mohammad ahmed 04/02/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.590 min Scan# 3166
Delta R.T. -0.015 min
Lab File: BG060724.D
Acq: 1 Apr 2024 20:56

Tgt Ion:240 Resp: 493824
Ion Ratio Lower Upper
240 100
120 11.1 7.1 10.7#
236 26.4 20.7 31.1





#78

Pyrene

Concen: 13.864 ng

RT: 19.745 min Scan# 2852

Delta R.T. -0.009 min

Lab File: BG060724.D

Acq: 1 Apr 2024 20:56

Instrument :

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TR-04-032924

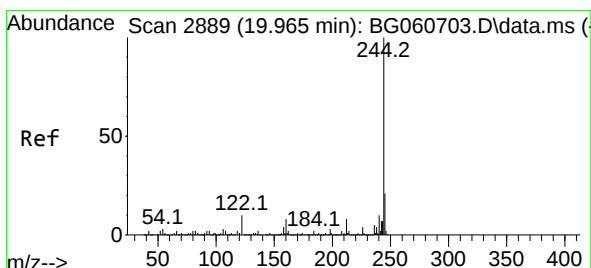
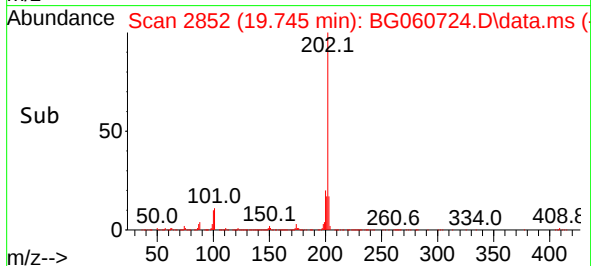
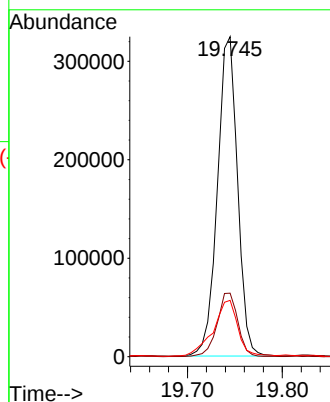
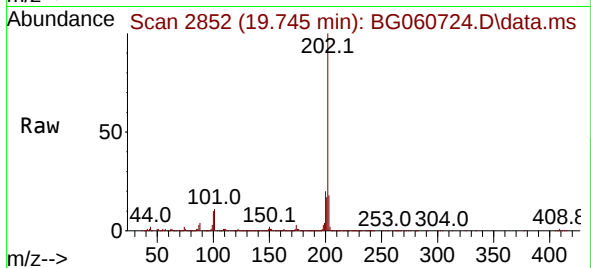
Tgt Ion:202 Resp: 478820
 Ion Ratio Lower Upper
 202 100
 200 19.9 17.0 25.4
 203 17.6 14.0 21.0

Manual Integrations

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#79

Terphenyl-d14

Concen: 46.067 ng

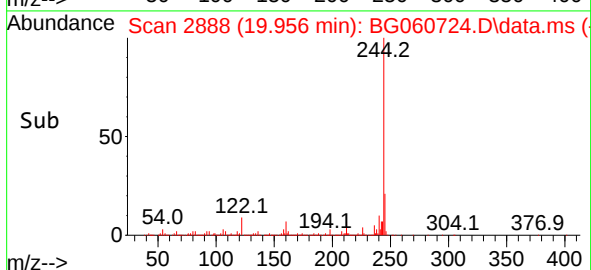
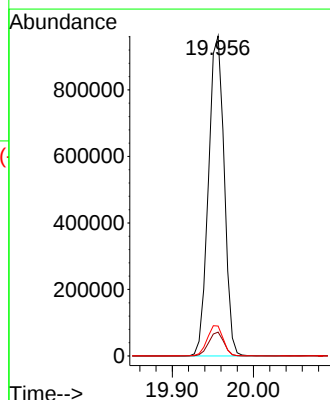
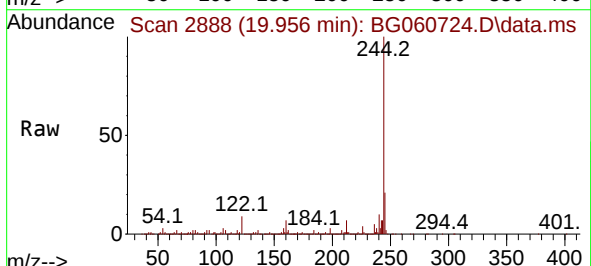
RT: 19.956 min Scan# 2888

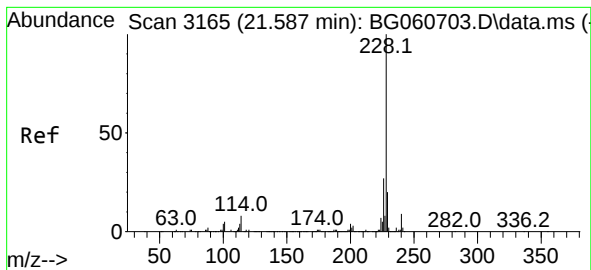
Delta R.T. -0.009 min

Lab File: BG060724.D

Acq: 1 Apr 2024 20:56

Tgt Ion:244 Resp: 1291931
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.2
 122 9.4 7.8 11.8





#81

Benzo(a)anthracene

Concen: 5.762 ng

RT: 21.572 min Scan# 3163

Delta R.T. -0.015 min

Lab File: BG060724.D

Acq: 1 Apr 2024 20:56

Instrument :

BNA_G

ClientSampleId :

TR-04-032924

Tgt Ion:228 Resp: 20056

Ion Ratio Lower Upper

228 100

226 28.3 21.7 32.5

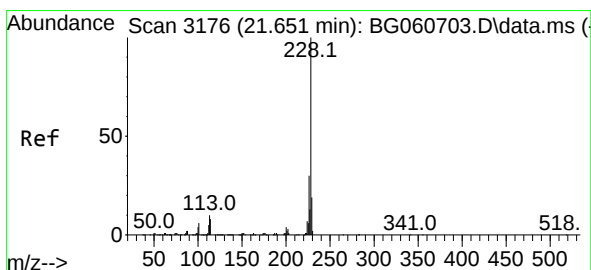
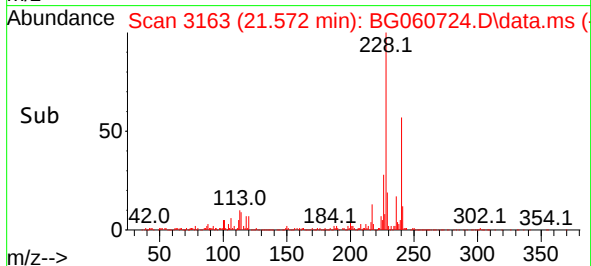
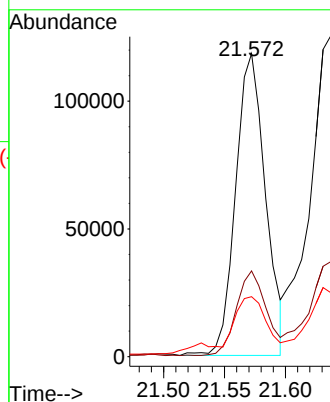
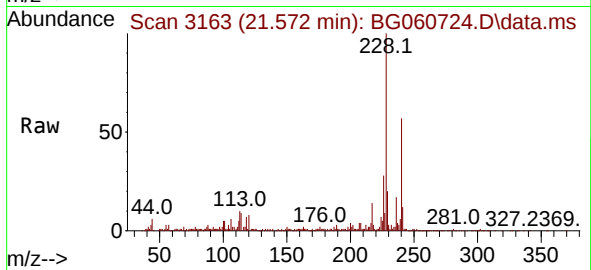
229 19.8 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/02/2024

Supervised By :mohammad ahmed 04/02/2024



#83

Chrysene

Concen: 6.947 ng m

RT: 21.637 min Scan# 3174

Delta R.T. -0.015 min

Lab File: BG060724.D

Acq: 1 Apr 2024 20:56

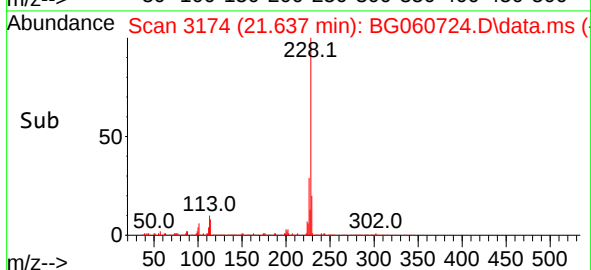
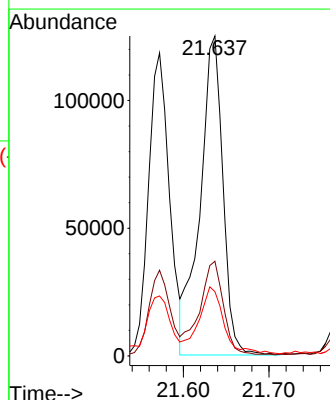
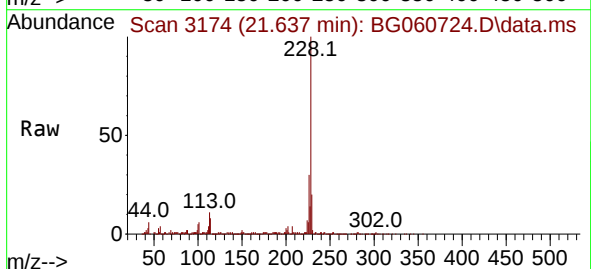
Tgt Ion:228 Resp: 233089

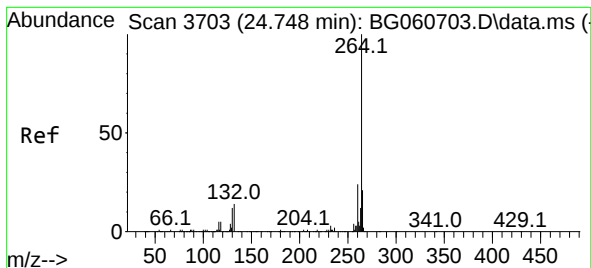
Ion Ratio Lower Upper

228 100

226 29.6 24.2 36.4

229 20.1 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.727 min Scan# 31

Delta R.T. -0.020 min

Lab File: BG060724.D

Acq: 1 Apr 2024 20:56

Instrument :

BNA_G

ClientSampleId :

TR-04-032924

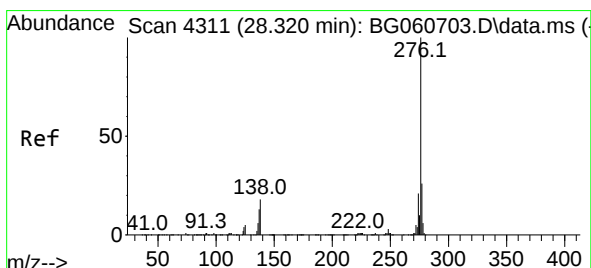
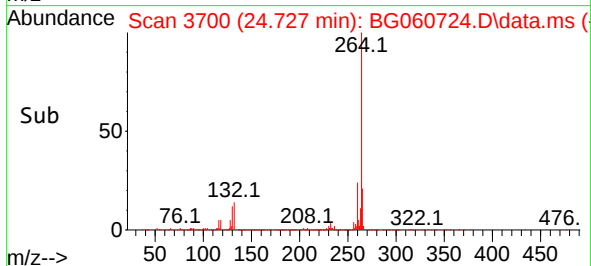
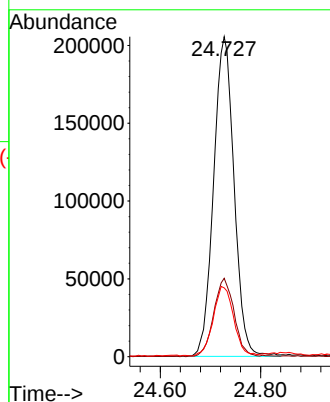
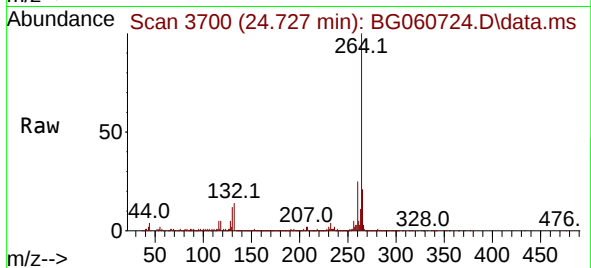
Tgt Ion:	264	Resp:	58149
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.5	29.3
265	21.5	16.9	25.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/02/2024

Supervised By :mohammad ahmed 04/02/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.175 ng

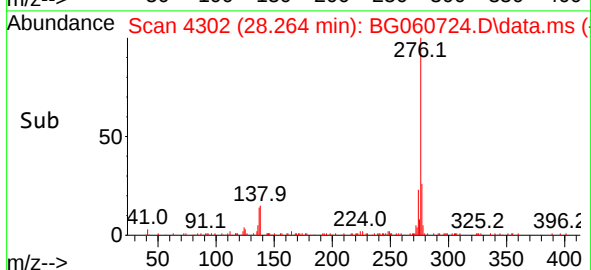
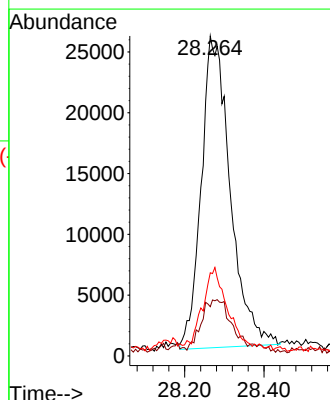
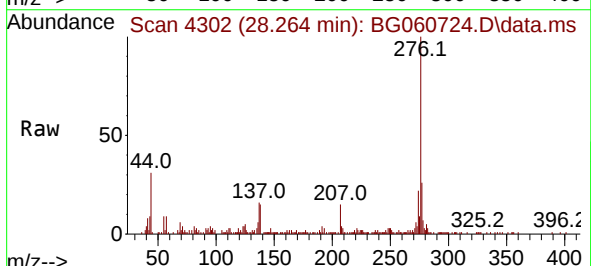
RT: 28.264 min Scan# 4302

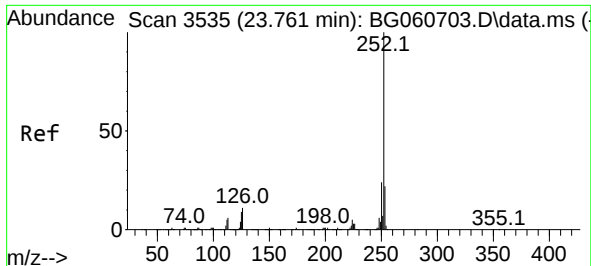
Delta R.T. -0.056 min

Lab File: BG060724.D

Acq: 1 Apr 2024 20:56

Tgt Ion:	276	Resp:	130024
Ion Ratio	Lower	Upper	
276	100		
138	16.3	12.4	18.6
277	21.3	20.2	30.2





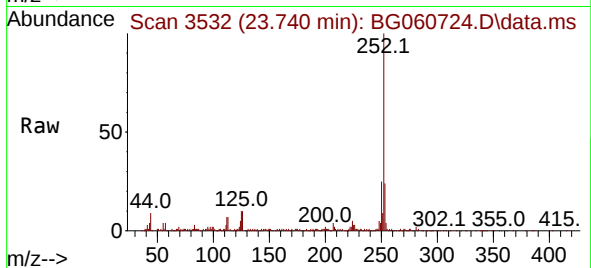
#88
Benzo(b)fluoranthene
Concen: 8.418 ng
RT: 23.740 min Scan# 3535
Delta R.T. -0.020 min
Lab File: BG060724.D
Acq: 1 Apr 2024 20:56

Instrument :

BNA_G

ClientSampleId :

TR-04-032924



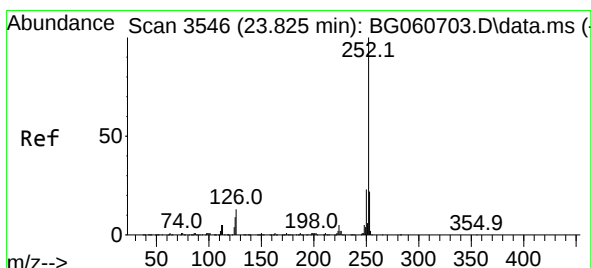
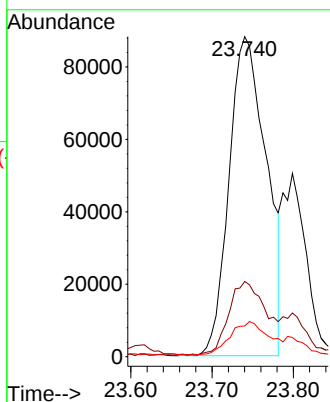
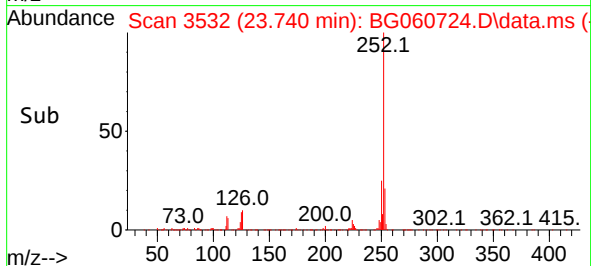
Tgt Ion:252 Resp: 28121
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 9.6 7.1 10.7

Manual Integrations

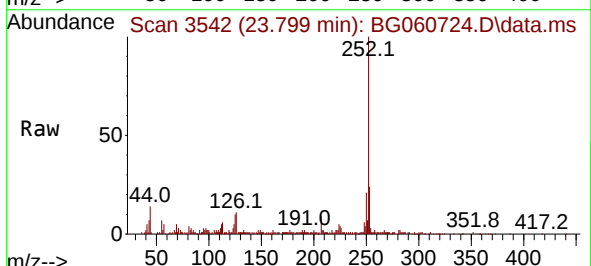
APPROVED

Reviewed By :Yogesh Patel 04/02/2024

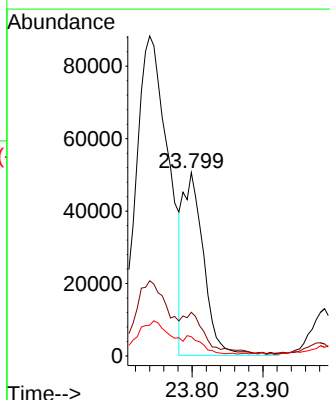
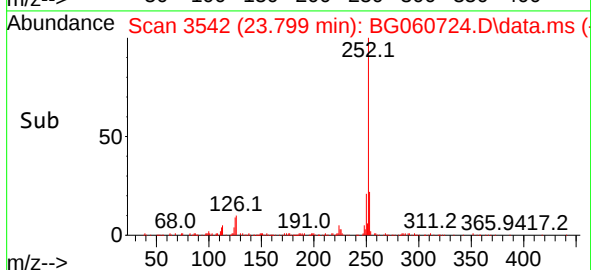
Supervised By :mohammad ahmed 04/02/2024

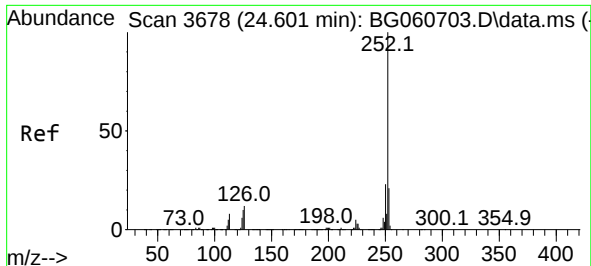


#89
Benzo(k)fluoranthene
Concen: 3.020 ng m
RT: 23.799 min Scan# 3542
Delta R.T. -0.026 min
Lab File: BG060724.D
Acq: 1 Apr 2024 20:56



Tgt Ion:252 Resp: 103268
Ion Ratio Lower Upper
252 100
253 23.8 17.6 26.4
125 10.5 7.5 11.3





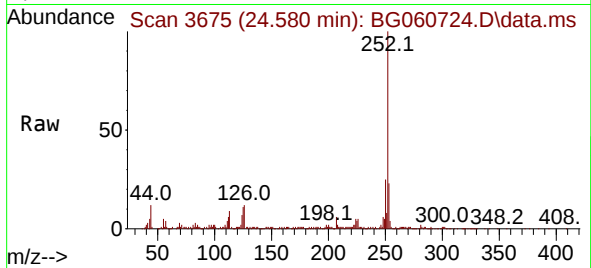
#90
Benzo(a)pyrene
Concen: 6.041 ng
RT: 24.580 min Scan# 30
Delta R.T. -0.020 min
Lab File: BG060724.D
Acq: 1 Apr 2024 20:56

Instrument :

BNA_G

ClientSampleId :

TR-04-032924



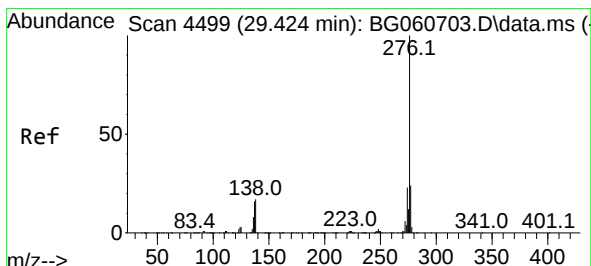
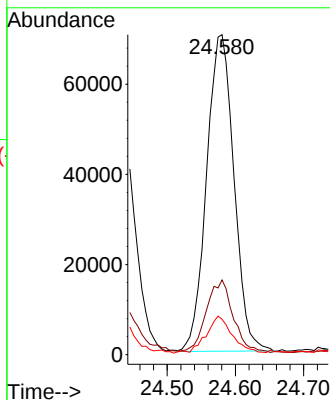
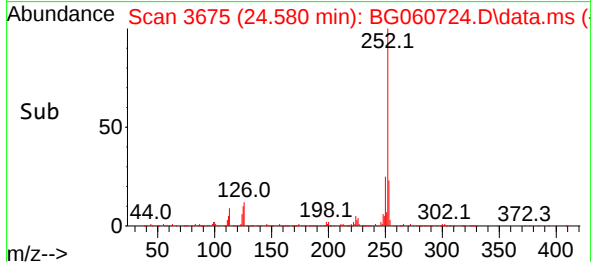
Tgt Ion:252 Resp: 19611
Ion Ratio Lower Upper
252 100
253 23.3 16.8 25.2
125 11.1 7.6 11.4

Manual Integrations

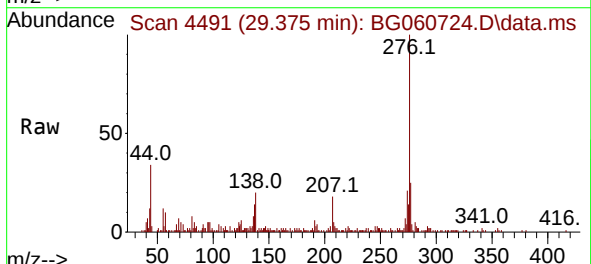
APPROVED

Reviewed By :Yogesh Patel 04/02/2024

Supervised By :mohammad ahmed 04/02/2024



#92
Benzo(g,h,i)perylene
Concen: 3.710 ng
RT: 29.375 min Scan# 4491
Delta R.T. -0.050 min
Lab File: BG060724.D
Acq: 1 Apr 2024 20:56



Tgt Ion:276 Resp: 124590
Ion Ratio Lower Upper
276 100
277 25.0 18.9 28.3
138 19.7 14.0 21.0

