

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040124\
 Data File : BG060728.D
 Acq On : 1 Apr 2024 23:41
 Operator : MA/JU
 Sample : P1938-01 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PAT-02-032924

Manual Integrations
 APPROVED

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

Quant Time: Apr 02 01:22:24 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	69938	20.000	ng	0.00
21) Naphthalene-d8	10.755	136	309020	20.000	ng	0.00
39) Acenaphthene-d10	14.586	164	212341	20.000	ng	0.00
64) Phenanthrene-d10	17.336	188	451794	20.000	ng	0.00
76) Chrysene-d12	21.596	240	397425	20.000	ng	0.00
86) Perylene-d12	24.739	264	471217	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.538	112	97243	23.163	ng	0.00
7) Phenol-d6	7.113	99	143606	23.044	ng	0.00
23) Nitrobenzene-d5	9.110	82	84824	15.663	ng	0.00
42) 2,4,6-Tribromophenol	16.073	330	61225	25.400	ng	0.00
45) 2-Fluorobiphenyl	13.211	172	225883	15.612	ng	0.00
79) Terphenyl-d14	19.956	244	363114	16.088	ng	0.00
Target Compounds						
31) Naphthalene	10.808	128	81528	4.877	ng	98
37) 2-Methylnaphthalene	12.412	142	33468	2.723	ng	94
38) 1-Methylnaphthalene	12.630	142	33790	2.910	ng	97
52) Acenaphthene	14.651	154	88930	7.397	ng	97
55) Dibenzofuran	14.986	168	116125	6.124	ng	98
58) Fluorene	15.632	166	199330	13.098	ng	98
71) Phenanthrene	17.377	178	1863237	79.297	ng	99
72) Anthracene	17.465	178	495533	20.766	ng	99
73) Carbazole	17.730	167	104751	4.979	ng	97
75) Fluoranthene	19.392	202	2260085	79.267	ng	97
78) Pyrene	19.751	202	1961187	70.559	ng	98
81) Benzo(a)anthracene	21.584	228	973969	34.767	ng	98
83) Chrysene	21.643	228	860751	31.878	ng	96
87) Indeno(1,2,3-cd)pyrene	28.294	276	260054	7.837	ng	# 91
88) Benzo(b)fluoranthene	23.758	252	921702	34.047	ng	# 97
89) Benzo(k)fluoranthene	23.811	252	375402m	13.548	ng	
90) Benzo(a)pyrene	24.592	252	742056	28.206	ng	# 94
92) Benzo(g,h,i)perylene	29.404	276	235758m	8.664	ng	

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

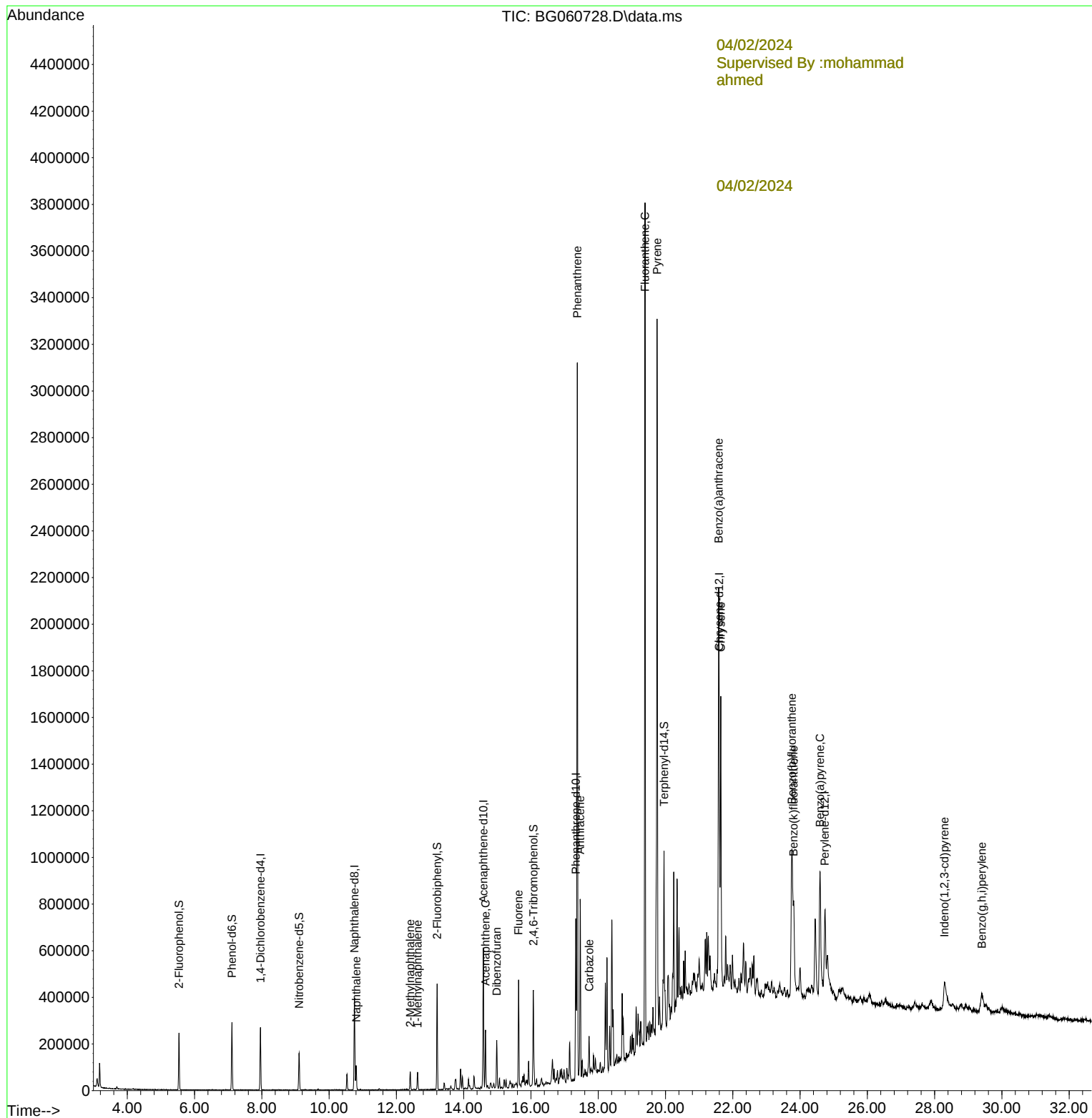
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040124\
Data File : BG060728.D
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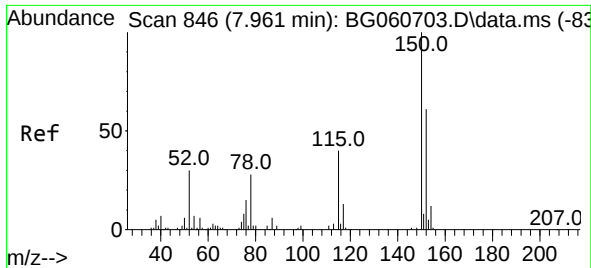
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Supervised By :mohammad ahmed 04/02/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.959 min Scan# 846
Delta R.T. -0.002 min
Lab File: BG060728.D
Acq: 1 Apr 2024 23:41

Instrument :

BNA_G

ClientSampleId :

PAT-02-032924

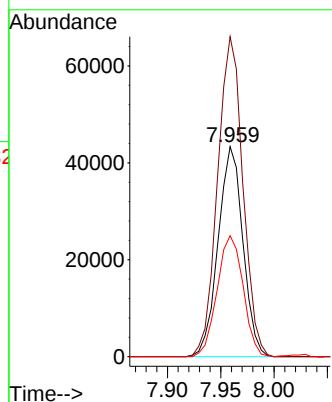
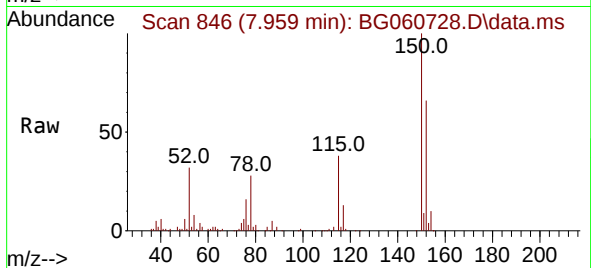
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Ion Ratio Lower Upper
152 100
150 152.3 130.2 195.4
115 57.6 51.6 77.4

Manual Integrations

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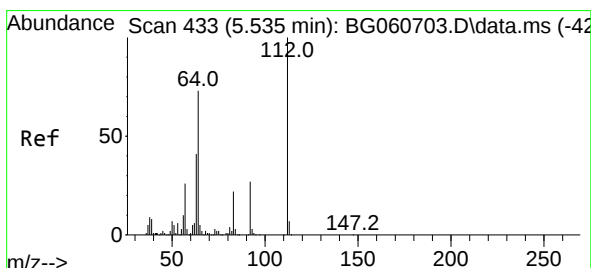
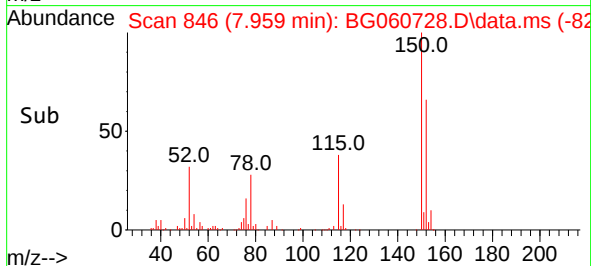
Reviewed By :Yogesh Patel 04/02/2024

Supervised By :mohammad ahmed 04/02/2024



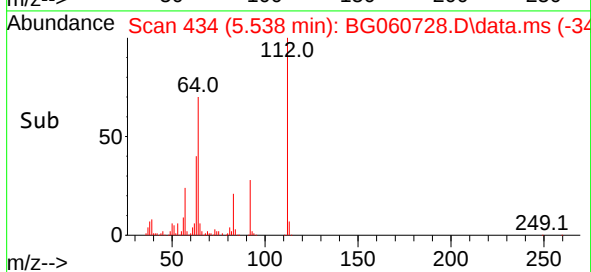
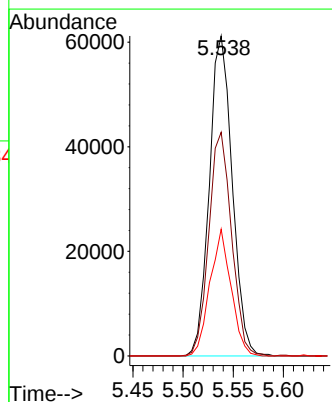
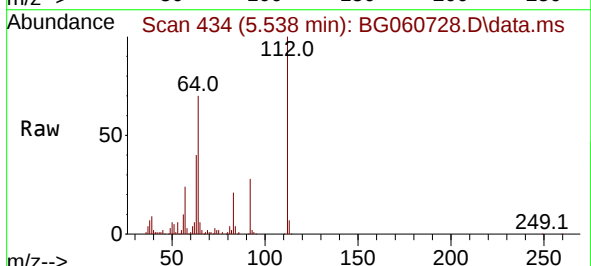
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Supervised By :mohammad
ahmed

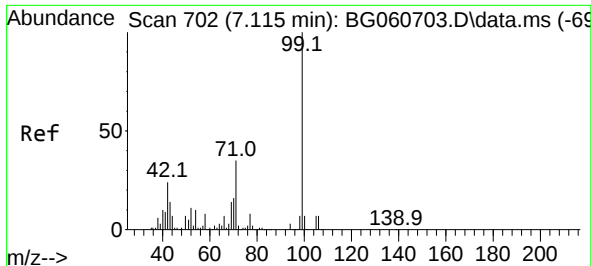
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#5
2-Fluorophenol
Concen: 23.163 ng
RT: 5.538 min Scan# 434
Delta R.T. 0.003 min
Lab File: BG060728.D
Acq: 1 Apr 2024 23:41

Tgt Ion:112 Resp: 97243
Ion Ratio Lower Upper
112 100
64 69.9 58.4 87.6
63 39.6 32.7 49.1





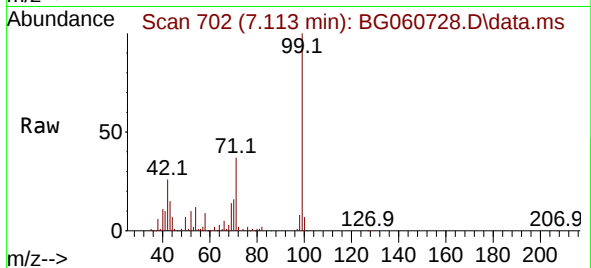
#7
Phenol-d6
Concen: 23.044 ng
RT: 7.113 min Scan# 702
Delta R.T. -0.003 min
Lab File: BG060728.D
Acq: 1 Apr 2024 23:41

Instrument :

BNA_G

ClientSampleId :

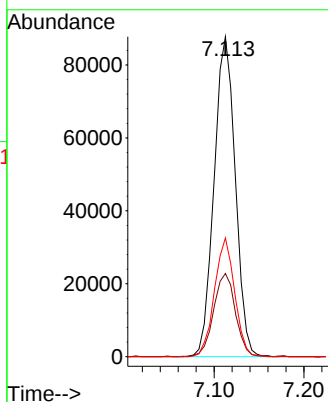
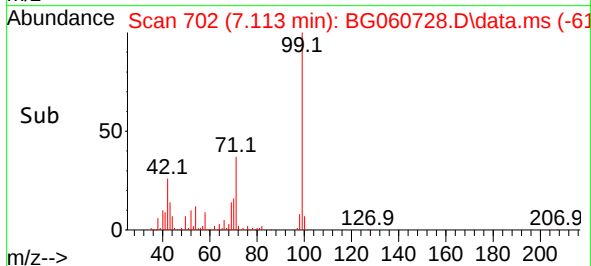
PAT-02-032924



Tgt Ion: 99 Resp: 143600
Ion Ratio Lower Upper
99 100
42 26.0 19.4 29.2
71 37.1 28.2 42.2

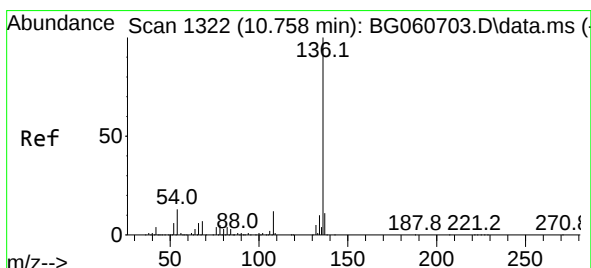
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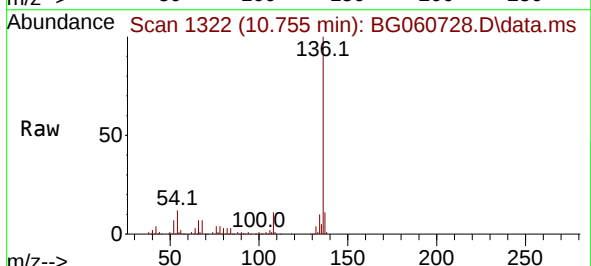


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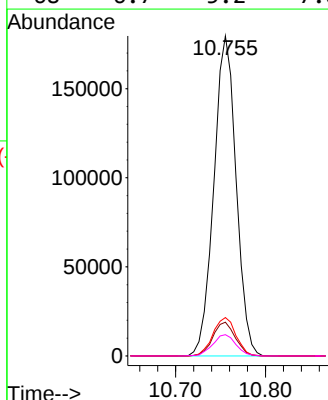
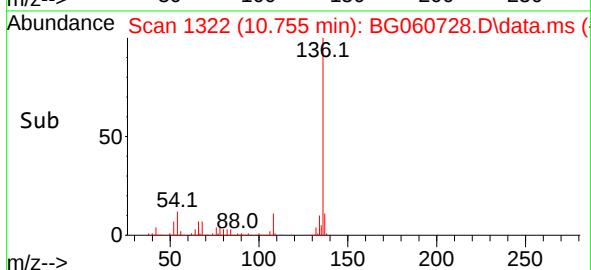
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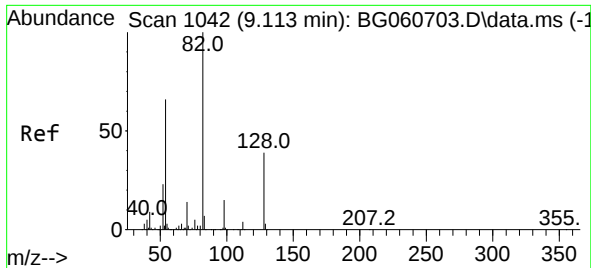


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.755 min Scan# 1322
Delta R.T. -0.003 min
Lab File: BG060728.D
Acq: 1 Apr 2024 23:41



Tgt Ion:136 Resp: 309020
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 12.0 10.2 15.2
68 6.7 5.2 7.8





#23
Nitrobenzene-d5
Concen: 15.663 ng
RT: 9.110 min Scan# 1042
Delta R.T. -0.003 min
Lab File: BG060728.D
Acq: 1 Apr 2024 23:41

Instrument :

BNL_G

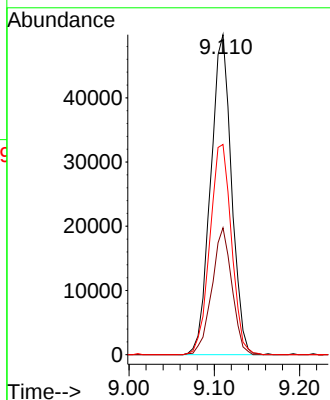
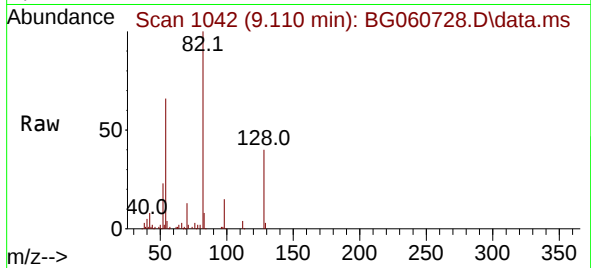
ClientSampleId :

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Tgt Ion: 82 Resp: 84824
Ion Ratio Lower Upper
82 100
128 39.7 31.2 46.8
54 65.7 53.2 79.8

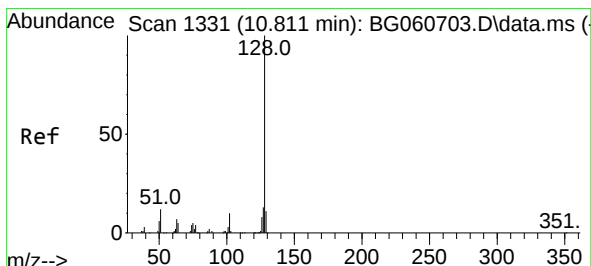
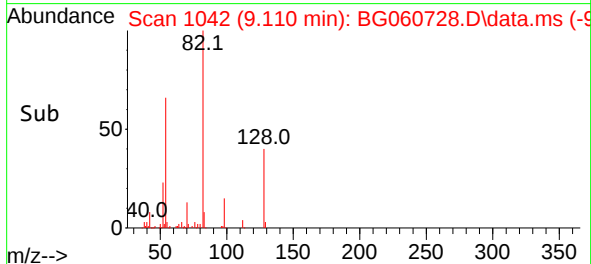
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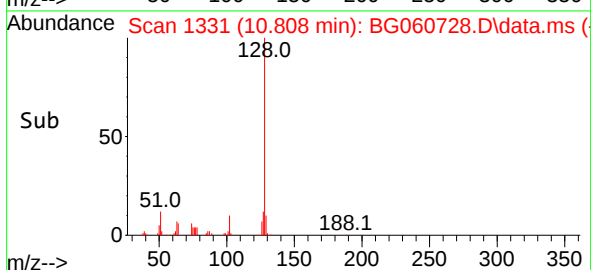
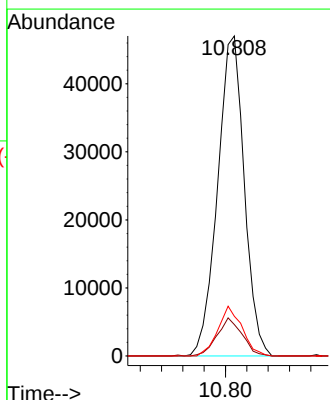
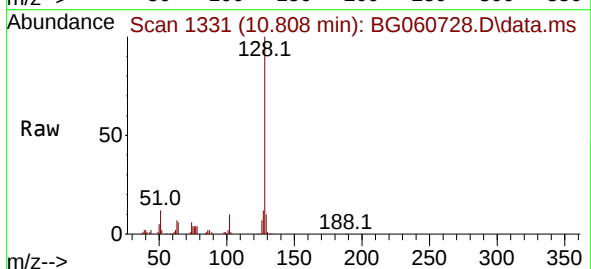
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ahmed

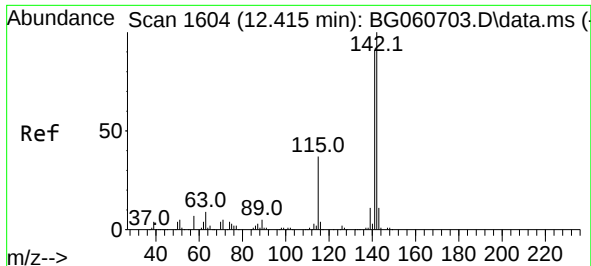
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#31
Naphthalene
Concen: 4.877 ng
RT: 10.808 min Scan# 1331
Delta R.T. -0.003 min
Lab File: BG060728.D
Acq: 1 Apr 2024 23:41

Tgt Ion:128 Resp: 81528
Ion Ratio Lower Upper
128 100
129 9.8 8.5 12.7
127 12.4 10.5 15.7





#37
2-Methylnaphthalene
Concen: 2.723 ng
RT: 12.412 min Scan# 1604
Delta R.T. -0.003 min
Lab File: BG060728.D
Acq: 1 Apr 2024 23:41

Instrument :

BNA_G

ClientSampleId :

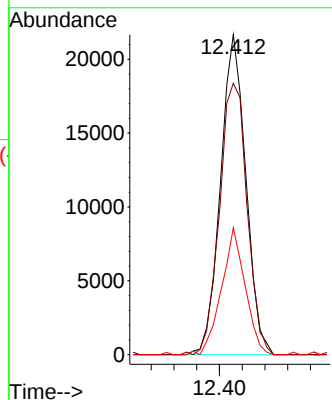
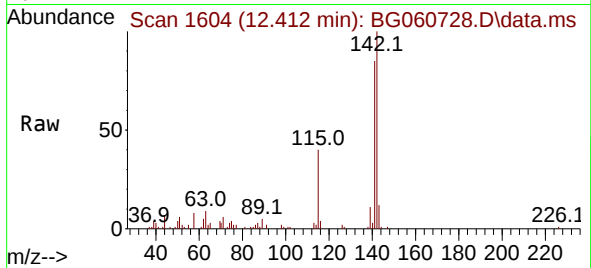
PAT-02-032924

Tgt Ion:142 Resp: 33468
Ion Ratio Lower Upper
142 100
141 84.9 72.7 109.1
115 39.6 29.9 44.9

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Reviewed By :Yogesh Patel 04/02/2024

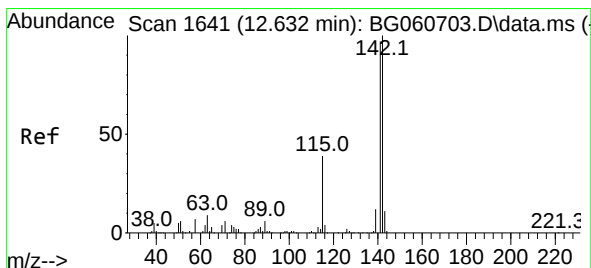
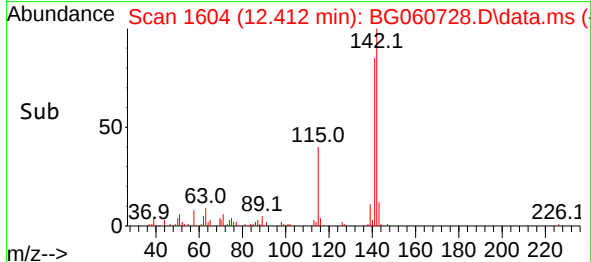
Supervised By :mohammad ahmed 04/02/2024



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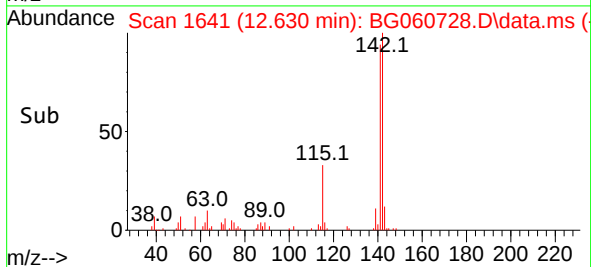
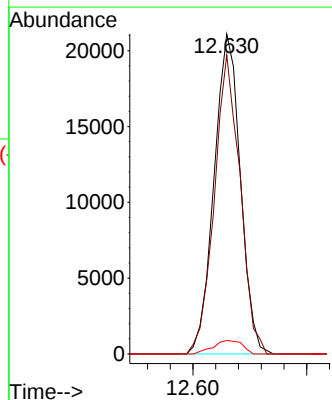
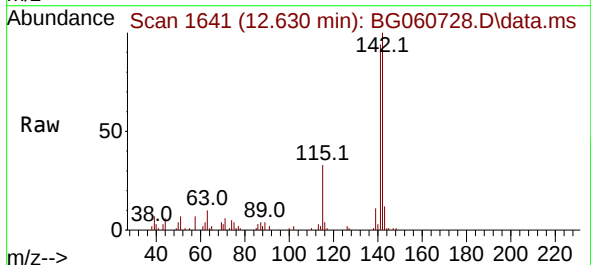
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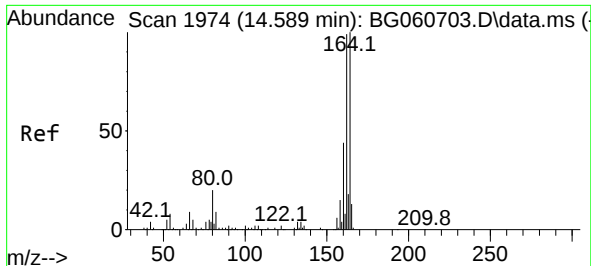
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#38
1-Methylnaphthalene
Concen: 2.910 ng
RT: 12.630 min Scan# 1641
Delta R.T. -0.003 min
Lab File: BG060728.D
Acq: 1 Apr 2024 23:41

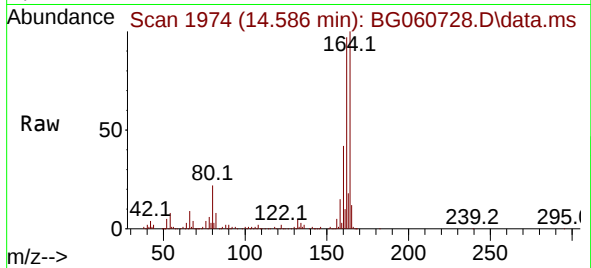
Tgt Ion:142 Resp: 33790
Ion Ratio Lower Upper
142 100
141 93.5 77.7 116.5
116 4.2 3.4 5.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.586 min Scan# 1974
Delta R.T. -0.003 min
Lab File: BG060728.D
Acq: 1 Apr 2024 23:41

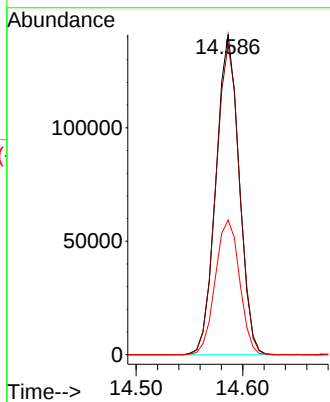
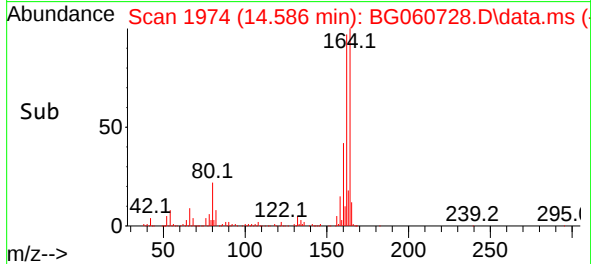
Instrument :
BNA_G
ClientSampleId :
PAT-02-032924



Tgt Ion:164 Resp: 21234
Ion Ratio Lower Upper
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162 97.0 79.5 119.3
160 42.1 35.4 53.0

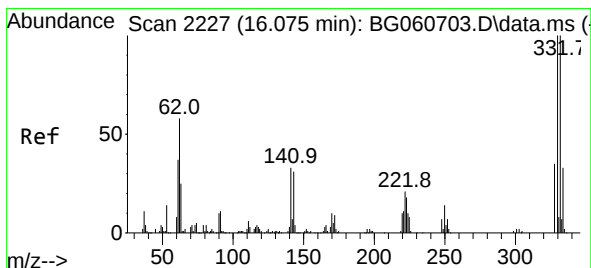
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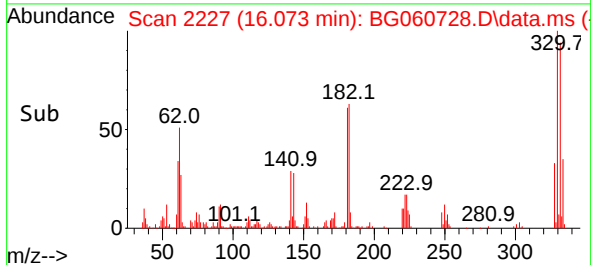
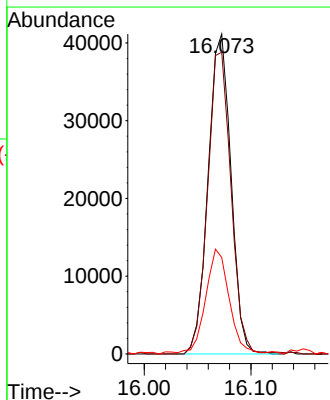
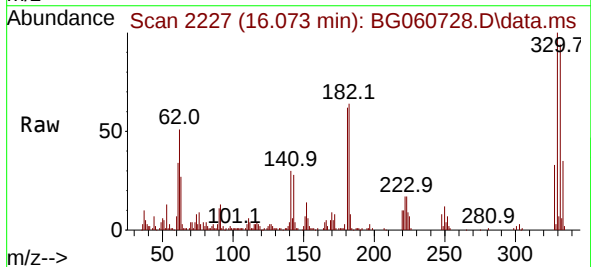
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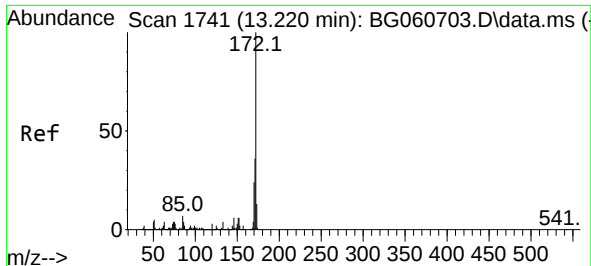
04/02/2024



#42
2,4,6-Tribromophenol
Concen: 25.400 ng
RT: 16.073 min Scan# 2227
Delta R.T. -0.003 min
Lab File: BG060728.D
Acq: 1 Apr 2024 23:41

Tgt Ion:330 Resp: 61225
Ion Ratio Lower Upper
330 100
332 96.2 78.2 117.4
141 34.1 27.0 40.6





#45
2-Fluorobiphenyl
Concen: 15.612 ng
RT: 13.211 min Scan# 1741
Delta R.T. -0.009 min
Lab File: BG060728.D
Acq: 1 Apr 2024 23:41

Instrument :

BNA_G

ClientSampleId :

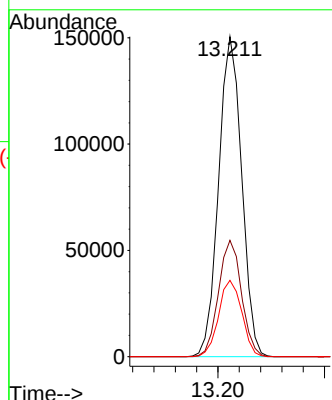
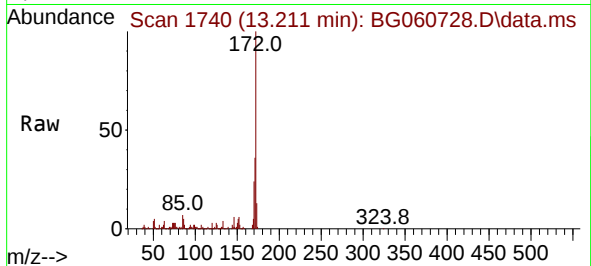
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Tgt Ion:172 Resp: 22588
Ion Ratio Lower Upper
172 100
171 36.3 28.7 43.1
170 23.8 19.4 29.0

Manual Integrations
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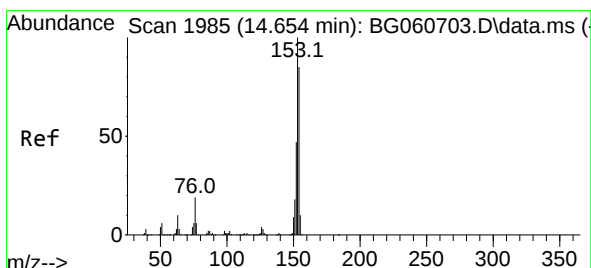
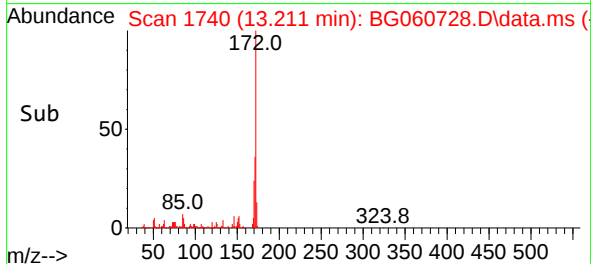
Reviewed By :Yogesh Patel 04/02/2024

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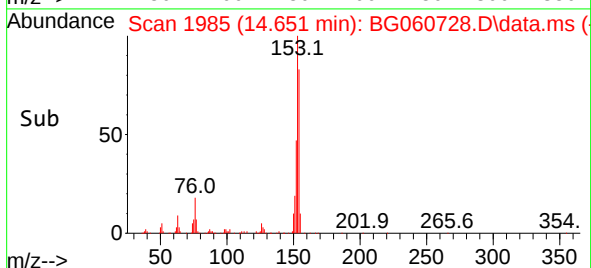
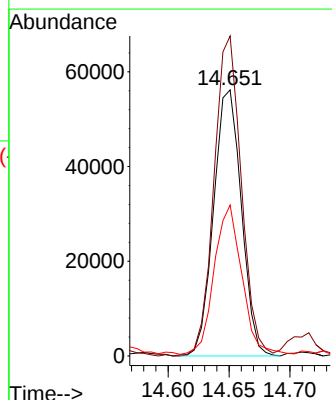
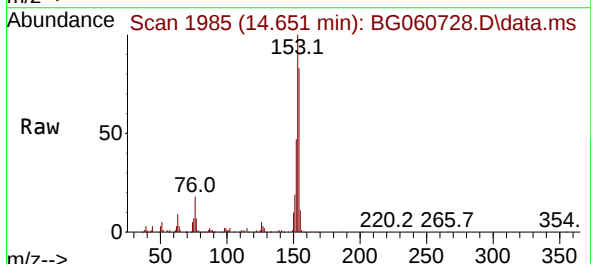
04/02/2024
Supervised By :mohammad
ahmed

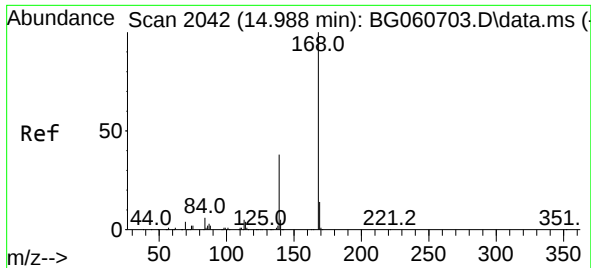
04/02/2024



#52
Acenaphthene
Concen: 7.397 ng
RT: 14.651 min Scan# 1985
Delta R.T. -0.003 min
Lab File: BG060728.D
Acq: 1 Apr 2024 23:41

Tgt Ion:154 Resp: 88930
Ion Ratio Lower Upper
154 100
153 120.3 93.9 140.9
152 56.7 44.1 66.1





#55
Dibenzenofuran
Concen: 6.124 ng
RT: 14.986 min Scan# 2042
Delta R.T. -0.002 min
Lab File: BG060728.D
Acq: 1 Apr 2024 23:41

Instrument :

BNA_G

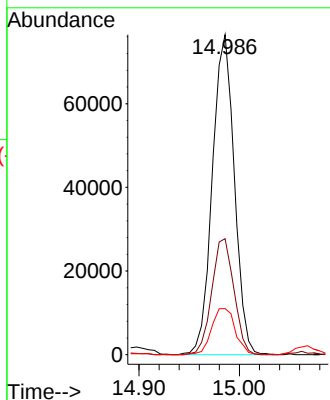
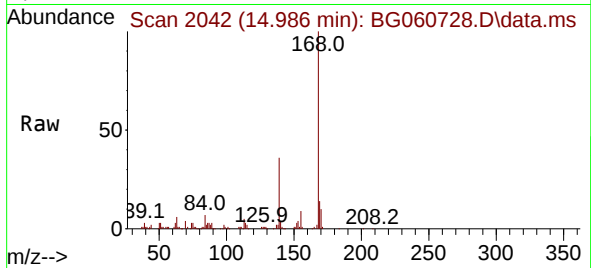
ClientSampleId :

PAT-02-032924

Tgt Ion:168 Resp: 116125
Ion Ratio Lower Upper
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139 36.3 30.1 45.1
169 14.4 11.0 16.4

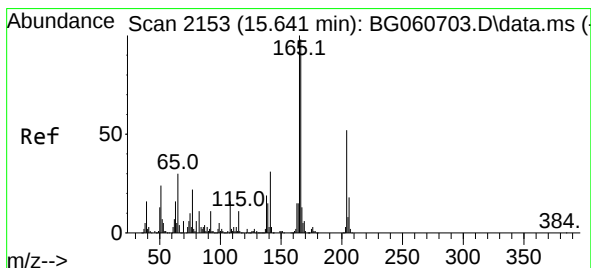
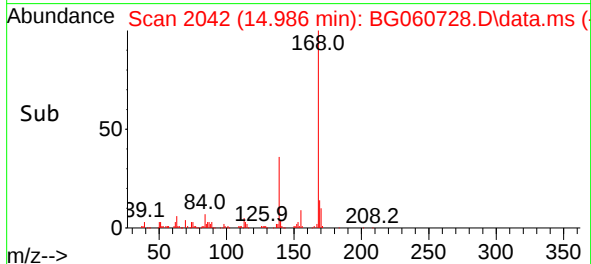
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Reviewed By :Yogesh Patel 04/02/2024
Supervised By :mohammad ahmed 04/02/2024



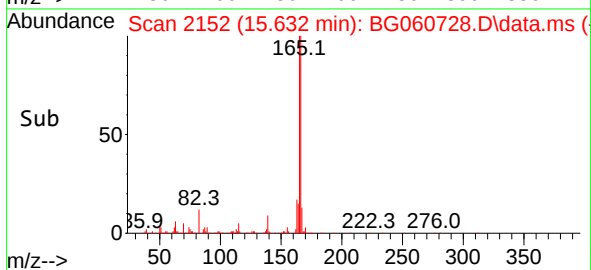
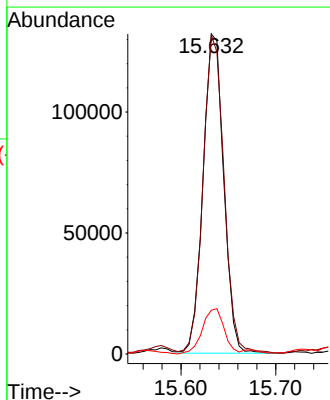
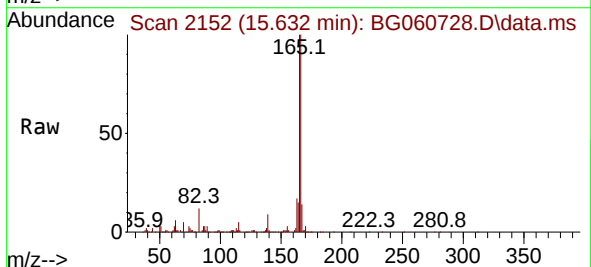
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ahmed

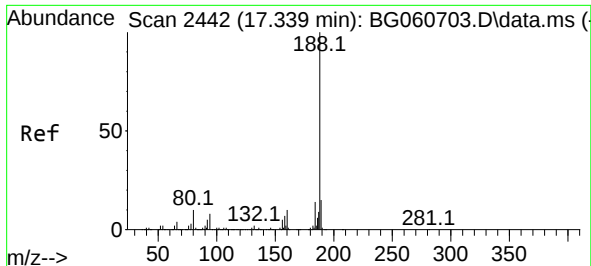
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#58
Fluorene
Concen: 13.098 ng
RT: 15.632 min Scan# 2152
Delta R.T. -0.009 min
Lab File: BG060728.D
Acq: 1 Apr 2024 23:41

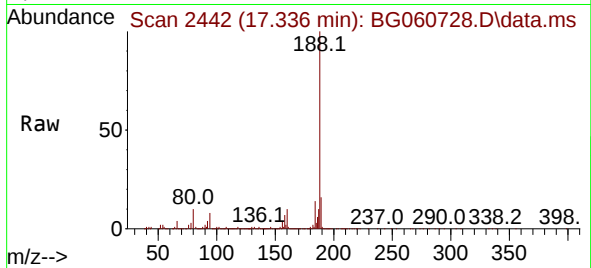
Tgt Ion:166 Resp: 199330
Ion Ratio Lower Upper
166 100
165 99.7 81.8 122.8
167 13.6 10.9 16.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.336 min Scan# 2442
Delta R.T. -0.003 min
Lab File: BG060728.D
Acq: 1 Apr 2024 23:41

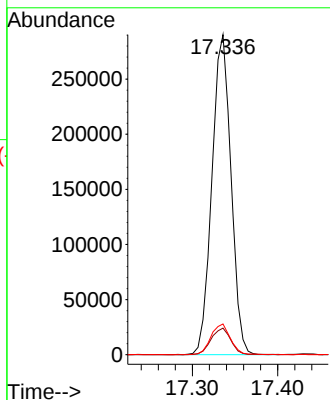
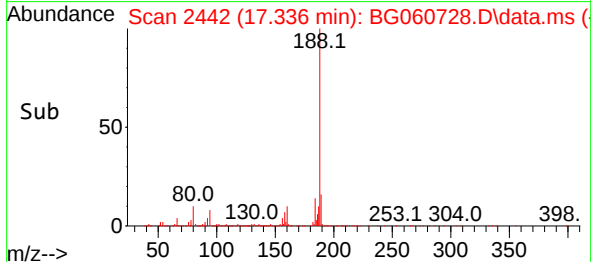
Instrument :
BNA_G
ClientSampleId :
PAT-02-032924



Tgt Ion:188 Resp: 451794
Ion Ratio Lower Upper
188 100
94 8.3 6.6 9.8
80 9.6 7.6 11.4

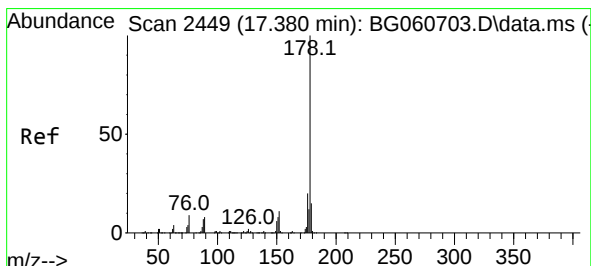
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Reviewed By :Yogesh Patel 04/02/2024
Supervised By :mohammad ahmed 04/02/2024



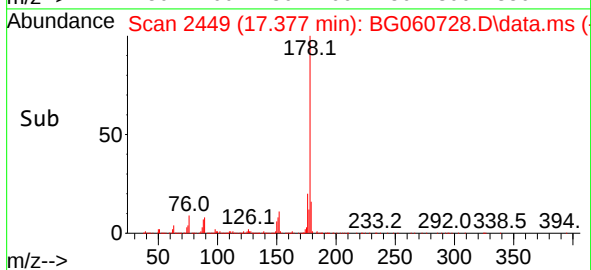
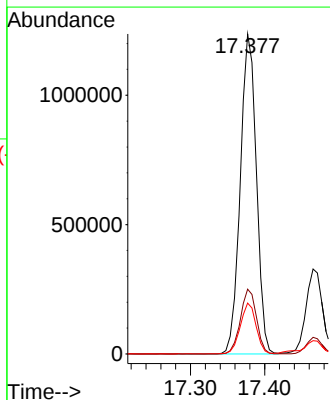
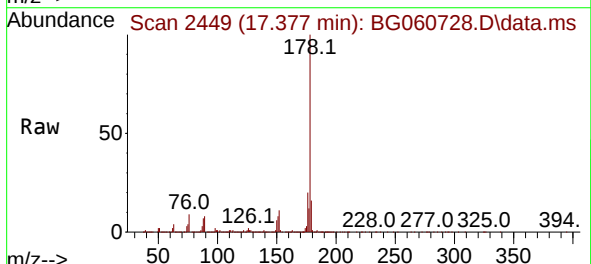
04/02/2024
Supervised By :mohammad
ahmed

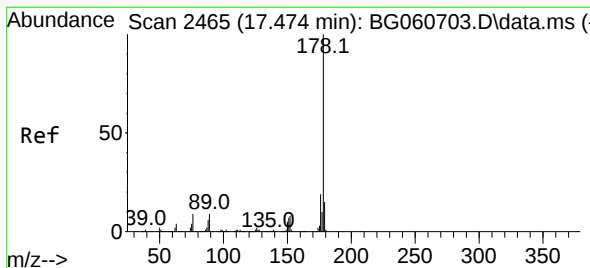
04/02/2024



#71
Phenanthrene
Concen: 79.297 ng
RT: 17.377 min Scan# 2449
Delta R.T. -0.003 min
Lab File: BG060728.D
Acq: 1 Apr 2024 23:41

Tgt Ion:178 Resp: 1863237
Ion Ratio Lower Upper
178 100
176 20.3 15.8 23.6
179 15.9 12.2 18.4





#72

Anthracene

Concen: 20.766 ng

RT: 17.465 min Scan# 2465

Delta R.T. -0.009 min

Lab File: BG060728.D

Acq: 1 Apr 2024 23:41

Instrument :

BNA_G

ClientSampleId :

PAT-02-032924

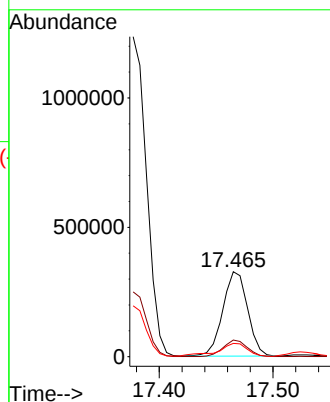
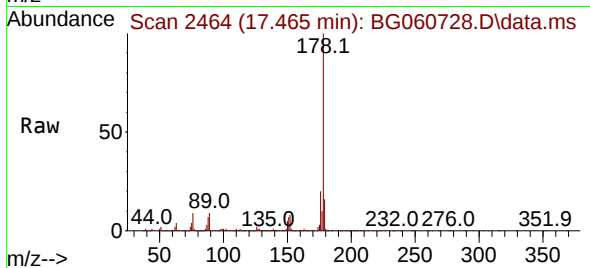
Tgt Ion:178 Resp: 49553
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.5 23.3
 179 15.7 12.2 18.2

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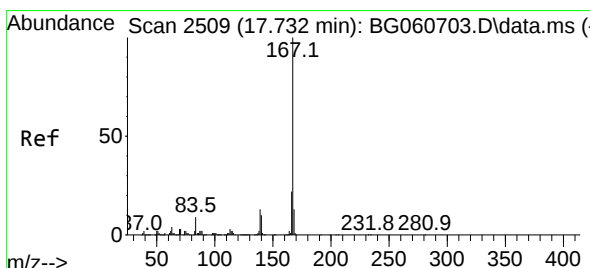
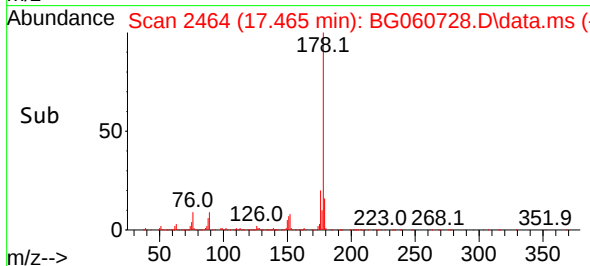
Supervised By :mohammad ahmed 04/02/2024



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Supervised By :mohammad
ahmed

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#73

Carbazole

Concen: 4.979 ng

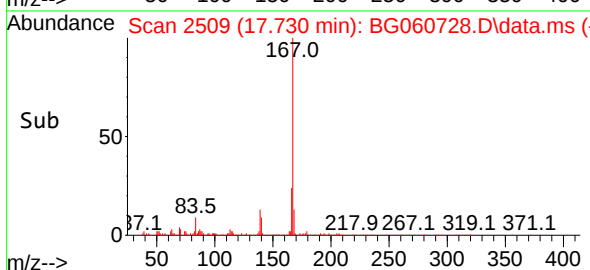
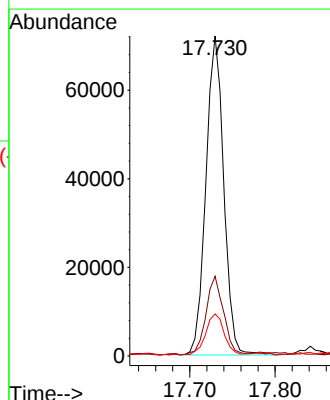
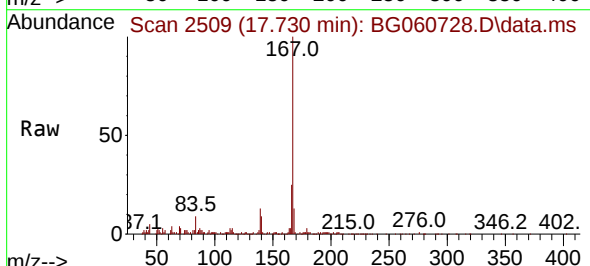
RT: 17.730 min Scan# 2509

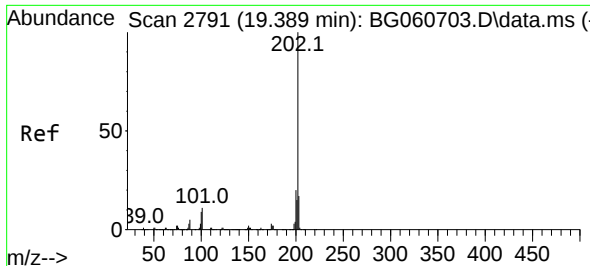
Delta R.T. -0.003 min

Lab File: BG060728.D

Acq: 1 Apr 2024 23:41

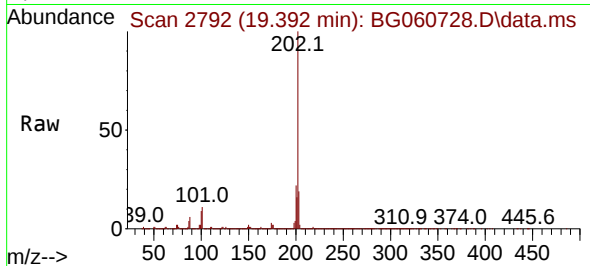
Tgt Ion:167 Resp: 104751
 Ion Ratio Lower Upper
 167 100
 166 24.9 18.0 27.0
 139 13.2 10.5 15.7





#75
Fluoranthene
Concen: 79.267 ng
RT: 19.392 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG060728.D
Acq: 1 Apr 2024 23:41

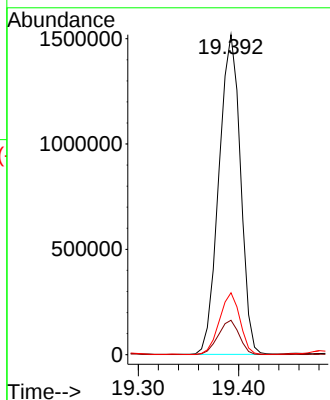
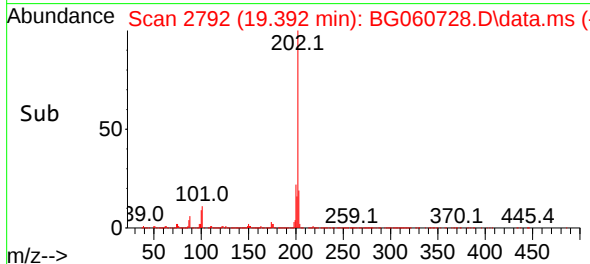
Instrument :
BNA_G
ClientSampleId :
PAT-02-032924



Tgt Ion:202 Resp: 2260085
Ion Ratio Lower Upper
202 100
101 10.7 0.0 30.8
203 19.4 0.0 37.4

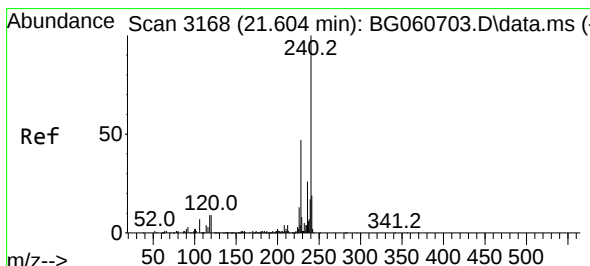
Manual Integrations
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Reviewed By :Yogesh Patel 04/02/2024
Supervised By :mohammad ahmed 04/02/2024



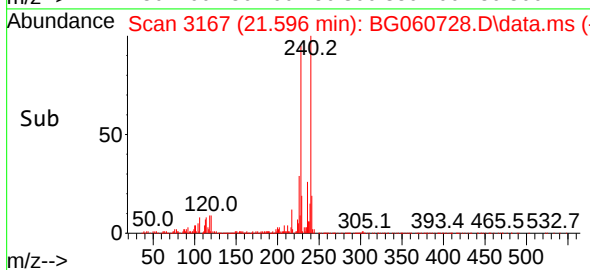
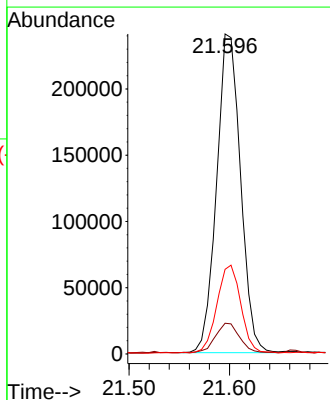
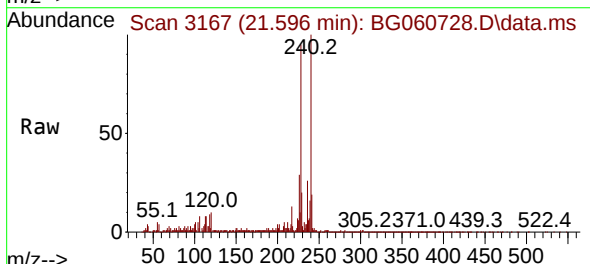
04/02/2024
Supervised By :mohammad
ahmed

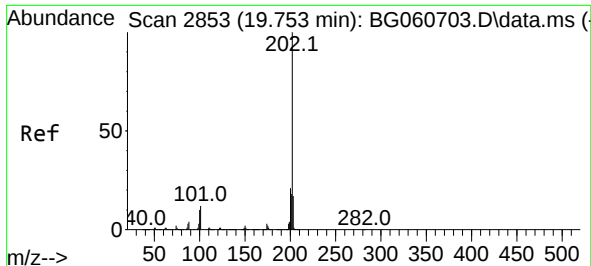
04/02/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.596 min Scan# 3167
Delta R.T. -0.009 min
Lab File: BG060728.D
Acq: 1 Apr 2024 23:41

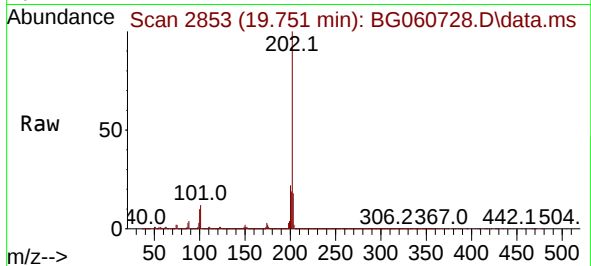
Tgt Ion:240 Resp: 397425
Ion Ratio Lower Upper
240 100
120 9.6 7.1 10.7
236 26.4 20.7 31.1





#78
Pyrene
Concen: 70.559 ng
RT: 19.751 min Scan# 2853
Delta R.T. -0.003 min
Lab File: BG060728.D
Acq: 1 Apr 2024 23:41

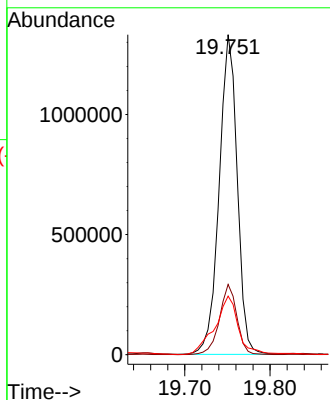
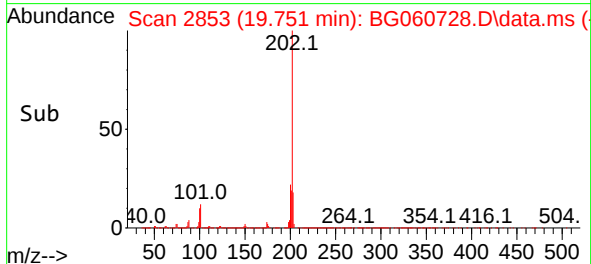
Instrument :
BNA_G
ClientSampleId :
PAT-02-032924



Tgt Ion:202 Resp: 196118
Ion Ratio Lower Upper
202 100
200 22.0 17.0 25.4
203 18.3 14.0 21.0

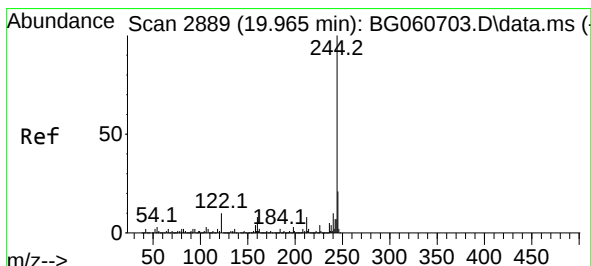
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Supervised By :mohammad ahmed 04/02/2024



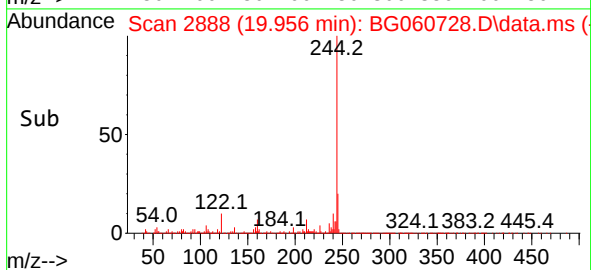
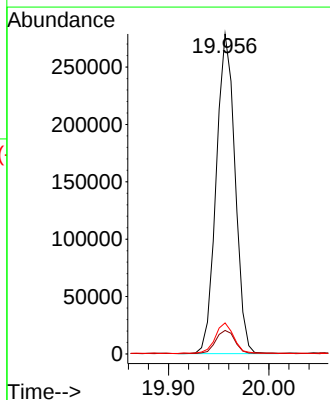
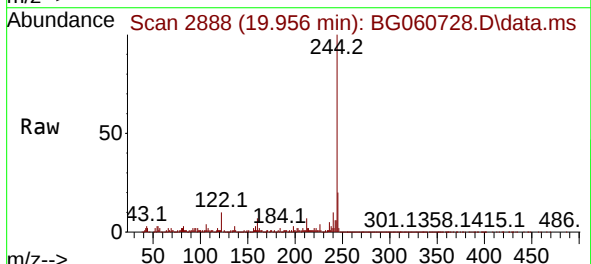
04/02/2024
Supervised By :mohammad
ahmed

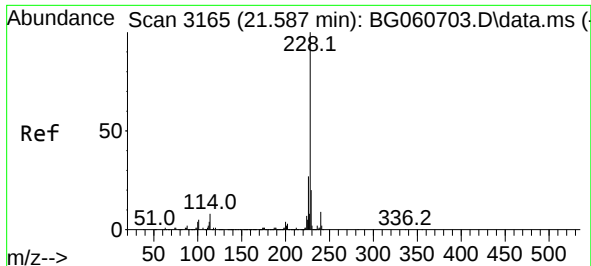
04/02/2024



#79
Terphenyl-d14
Concen: 16.088 ng
RT: 19.956 min Scan# 2888
Delta R.T. -0.009 min
Lab File: BG060728.D
Acq: 1 Apr 2024 23:41

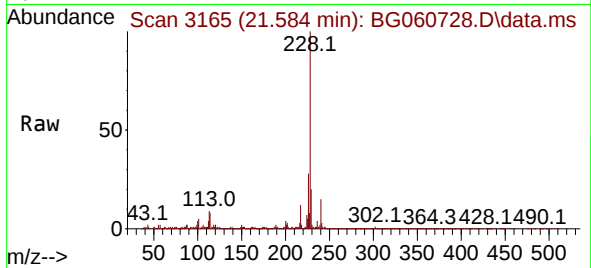
Tgt Ion:244 Resp: 363114
Ion Ratio Lower Upper
244 100
212 7.3 6.2 9.2
122 9.7 7.8 11.8





#81
Benzo(a)anthracene
Concen: 34.767 ng
RT: 21.584 min Scan# 3165
Delta R.T. -0.003 min
Lab File: BG060728.D
Acq: 1 Apr 2024 23:41

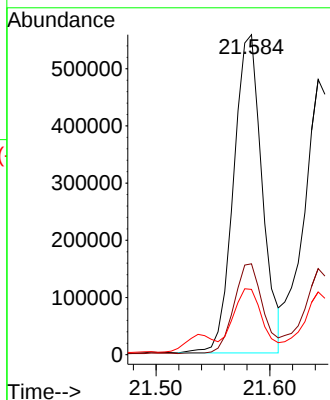
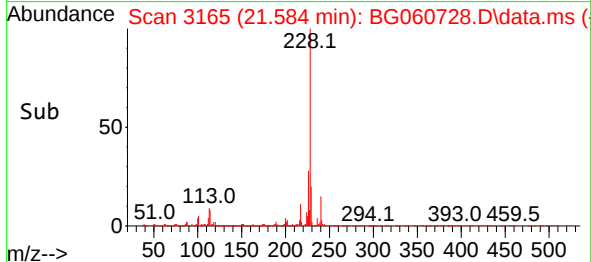
Instrument :
BNA_G
ClientSampleId :
PAT-02-032924



Tgt Ion:228 Resp: 973969
Ion Ratio Lower Upper
228 100
226 28.4 21.7 32.5
229 20.4 15.8 23.8

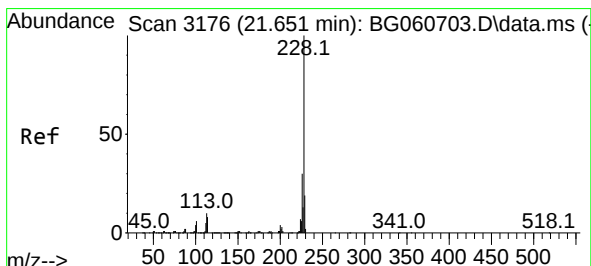
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Supervised By :mohammad ahmed 04/02/2024



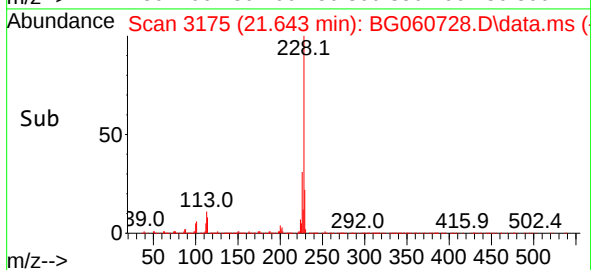
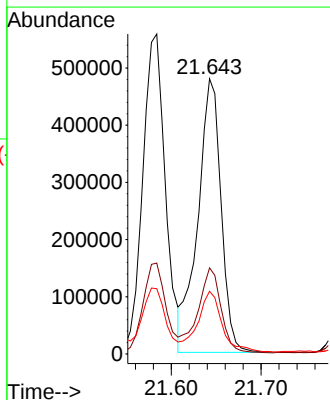
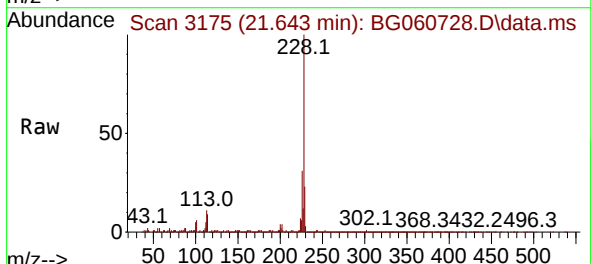
04/02/2024
Supervised By :mohammad
ahmed

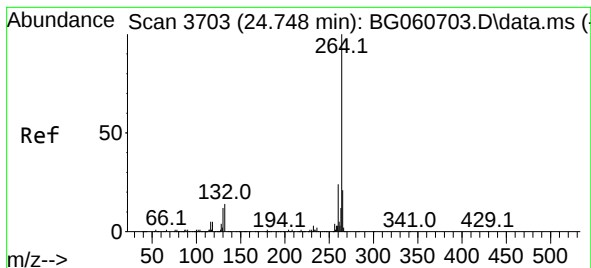
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#83
Chrysene
Concen: 31.878 ng
RT: 21.643 min Scan# 3175
Delta R.T. -0.009 min
Lab File: BG060728.D
Acq: 1 Apr 2024 23:41

Tgt Ion:228 Resp: 860751
Ion Ratio Lower Upper
228 100
226 31.3 24.2 36.4
229 22.8 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.739 min Scan# 31

Delta R.T. -0.009 min

Lab File: BG060728.D

Acq: 1 Apr 2024 23:41

Instrument :

BNA_G

ClientSampleId :

PAT-02-032924

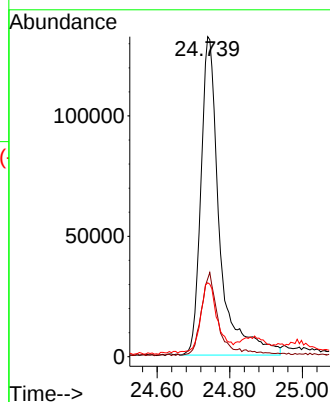
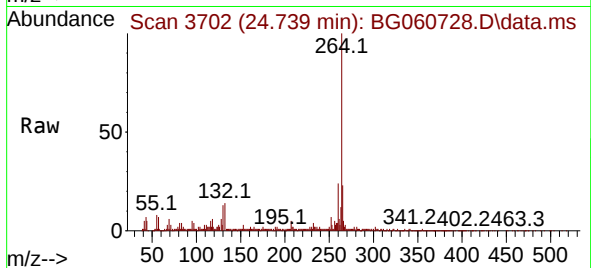
Tgt Ion:	264	Resp:	47121
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.5	29.3
265	23.1	16.9	25.3

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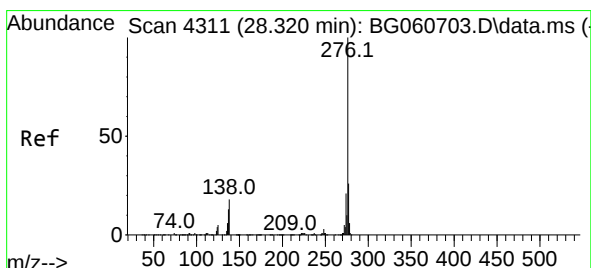
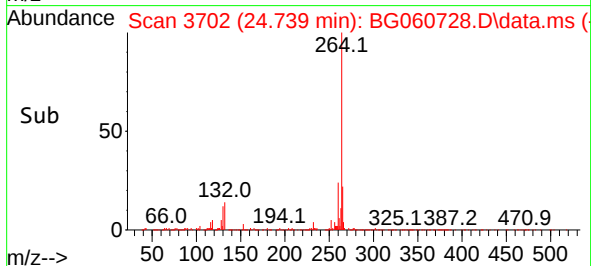
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#87

Indeno(1,2,3-cd)pyrene

Concen: 7.837 ng

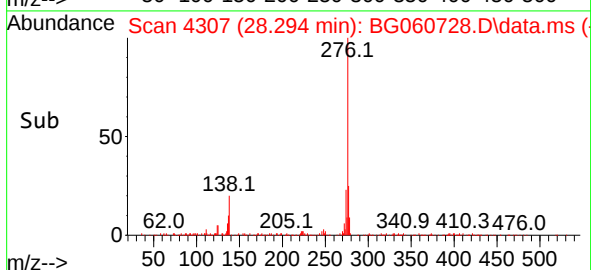
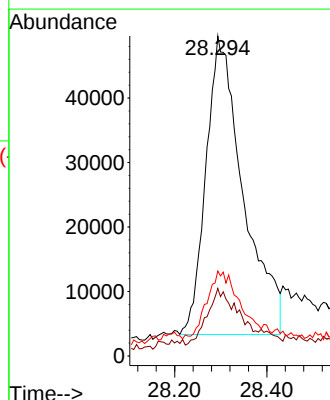
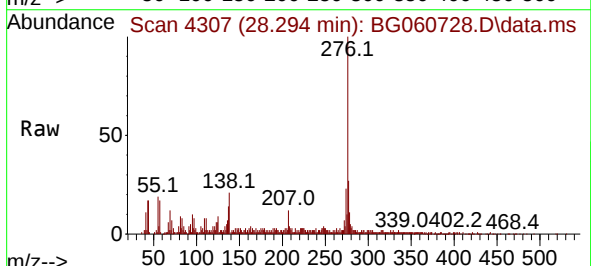
RT: 28.294 min Scan# 4307

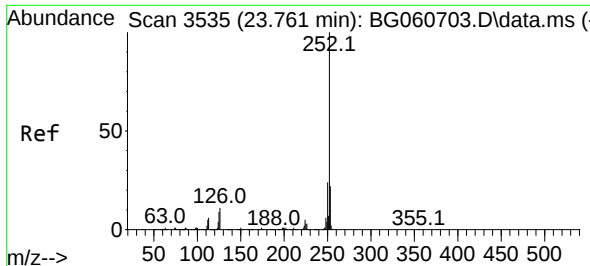
Delta R.T. -0.026 min

Lab File: BG060728.D

Acq: 1 Apr 2024 23:41

Tgt Ion:	276	Resp:	260054
Ion Ratio	Lower	Upper	
276	100		
138	15.9	12.4	18.6
277	18.2	20.2	30.2





#88
Benzo(b)fluoranthene
Concen: 34.047 ng
RT: 23.758 min Scan# 3535
Delta R.T. -0.003 min
Lab File: BG060728.D
Acq: 1 Apr 2024 23:41

Instrument :

BNA_G

ClientSampleId :

PAT-02-032924

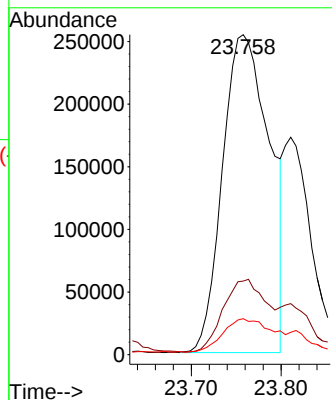
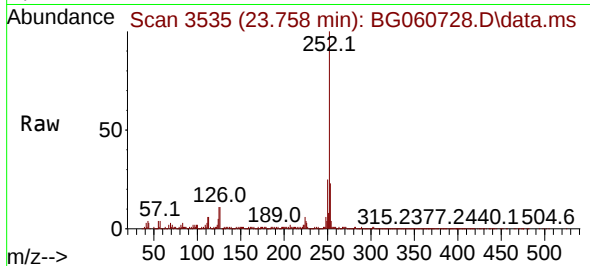
Tgt Ion:252 Resp: 921702
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 11.3 7.1 10.7

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Reviewed By :Yogesh Patel 04/02/2024

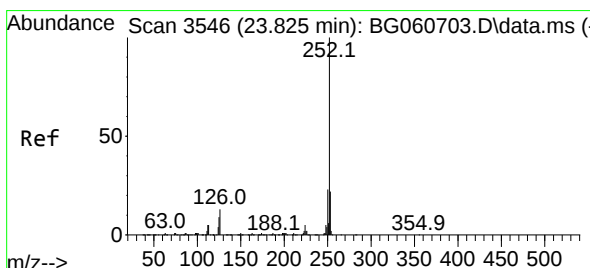
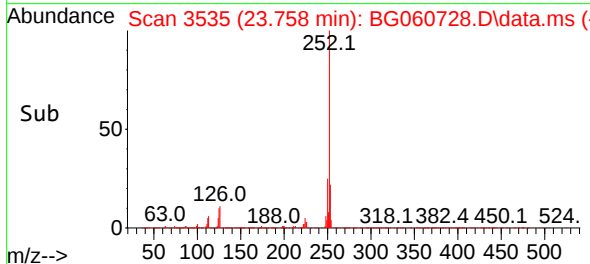
Supervised By :mohammad ahmed 04/02/2024



04/02/2024

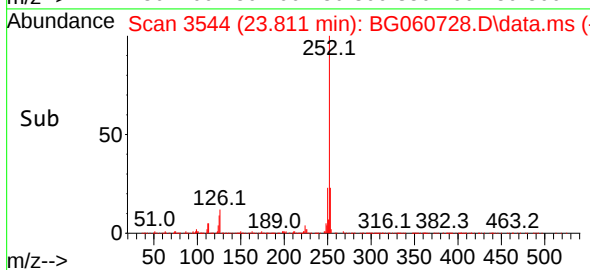
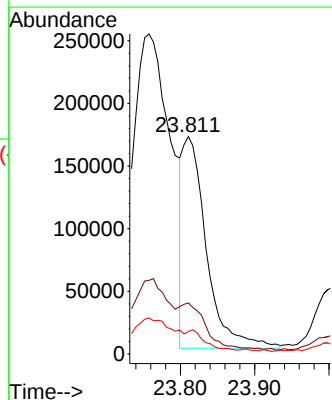
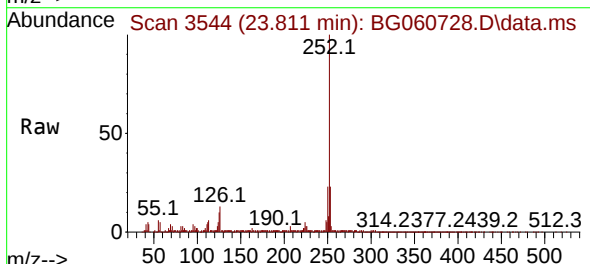
Supervised By :mohammad
ahmed

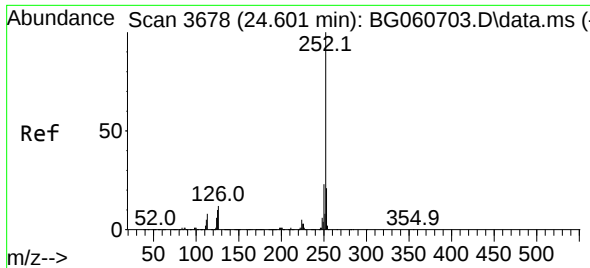
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#89
Benzo(k)fluoranthene
Concen: 13.548 ng m
RT: 23.811 min Scan# 3544
Delta R.T. -0.015 min
Lab File: BG060728.D
Acq: 1 Apr 2024 23:41

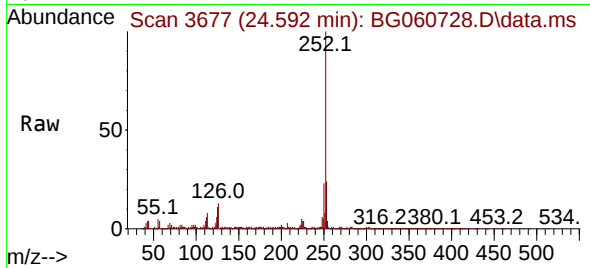
Tgt Ion:252 Resp: 375402
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 10.3 7.5 11.3





#90
Benzo(a)pyrene
Concen: 28.206 ng
RT: 24.592 min Scan# 30
Delta R.T. -0.009 min
Lab File: BG060728.D
Acq: 1 Apr 2024 23:41

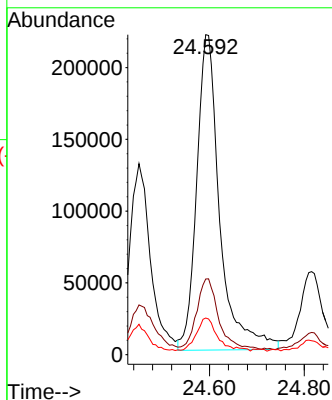
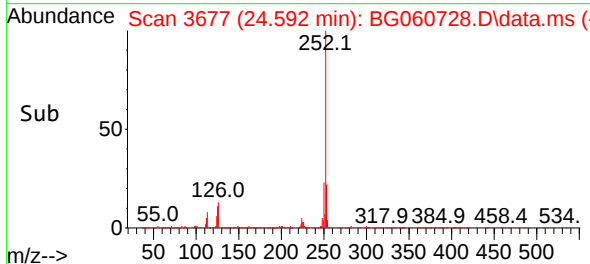
Instrument :
BNA_G
ClientSampleId :
PAT-02-032924



Tgt Ion:252 Resp: 742050
Ion Ratio Lower Upper
252 100
253 23.6 16.8 25.2
125 11.4 7.6 11.4

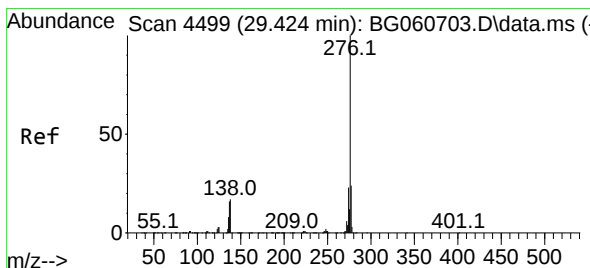
Manual Integrations
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Reviewed By :Yogesh Patel 04/02/2024
Supervised By :mohammad ahmed 04/02/2024

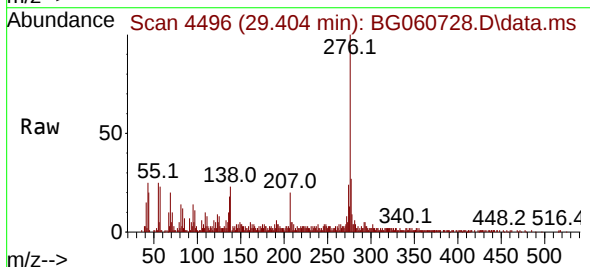


04/02/2024
Supervised By :mohammad
ahmed

04/02/2024



#92
Benzo(g,h,i)perylene
Concen: 8.664 ng m
RT: 29.404 min Scan# 4496
Delta R.T. -0.020 min
Lab File: BG060728.D
Acq: 1 Apr 2024 23:41



Tgt Ion:276 Resp: 235758
Ion Ratio Lower Upper
276 100
277 26.7 18.9 28.3
138 23.4 14.0 21.0

