

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
 Data File : BG060993.D
 Acq On : 22 Apr 2024 16:01
 Operator : MA/JU
 Sample : P2127-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-2-BACK

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

04/24/2024
 Supervised By :mohammad
 ahmed

Quant Time: Apr 23 02:17:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 22 04:22:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.943	152	29625	20.000	ng	0.00
21) Naphthalene-d8	10.733	136	112331	20.000	ng	0.00
39) Acenaphthene-d10	14.570	164	86261	20.000	ng	0.00
64) Phenanthrene-d10	17.314	188	196280	20.000	ng	0.00
76) Chrysene-d12	21.579	240	200139	20.000	ng	0.00
86) Perylene-d12	24.705	264	240853	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	144143	98.419	ng	0.00
7) Phenol-d6	7.108	99	189711	87.302	ng	0.00
23) Nitrobenzene-d5	9.094	82	136754	54.698	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	154186	81.398	ng	0.00
45) 2-Fluorobiphenyl	13.189	172	369434	59.274	ng	0.00
79) Terphenyl-d14	19.934	244	701920	54.439	ng	0.00
Target Compounds						
						Qvalue
52) Acenaphthene	14.629	154	19904	4.366	ng	98
55) Dibenzofuran	14.964	168	17974	2.283	ng	# 87
58) Fluorene	15.616	166	24068	3.622	ng	97
71) Phenanthrene	17.361	178	549973	54.894	ng	99
72) Anthracene	17.449	178	117325	11.370	ng	98
73) Carbazole	17.713	167	60047	7.007	ng	98
75) Fluoranthene	19.376	202	1282283	96.440	ng	95
78) Pyrene	19.735	202	1103846	81.002	ng	99
80) Butylbenzylphthalate	20.628	149	18964	4.175	ng	96
81) Benzo(a)anthracene	21.562	228	678607	48.227	ng	96
83) Chrysene	21.627	228	624699	46.631	ng	98
84) Bis(2-ethylhexyl)phtha...	21.485	149	14615	2.213	ng	# 90
87) Indeno(1,2,3-cd)pyrene	28.254	276	410140	24.547	ng	# 90
88) Benzo(b)fluoranthene	23.730	252	879707	64.452	ng	100
89) Benzo(k)fluoranthene	23.783	252	295702m	21.461	ng	
90) Benzo(a)pyrene	24.564	252	605068	45.799	ng	98
91) Dibenzo(a,h)anthracene	28.295	278	97951	7.176	ng	97
92) Benzo(g,h,i)perylene	29.365	276	360541	26.638	ng	95

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

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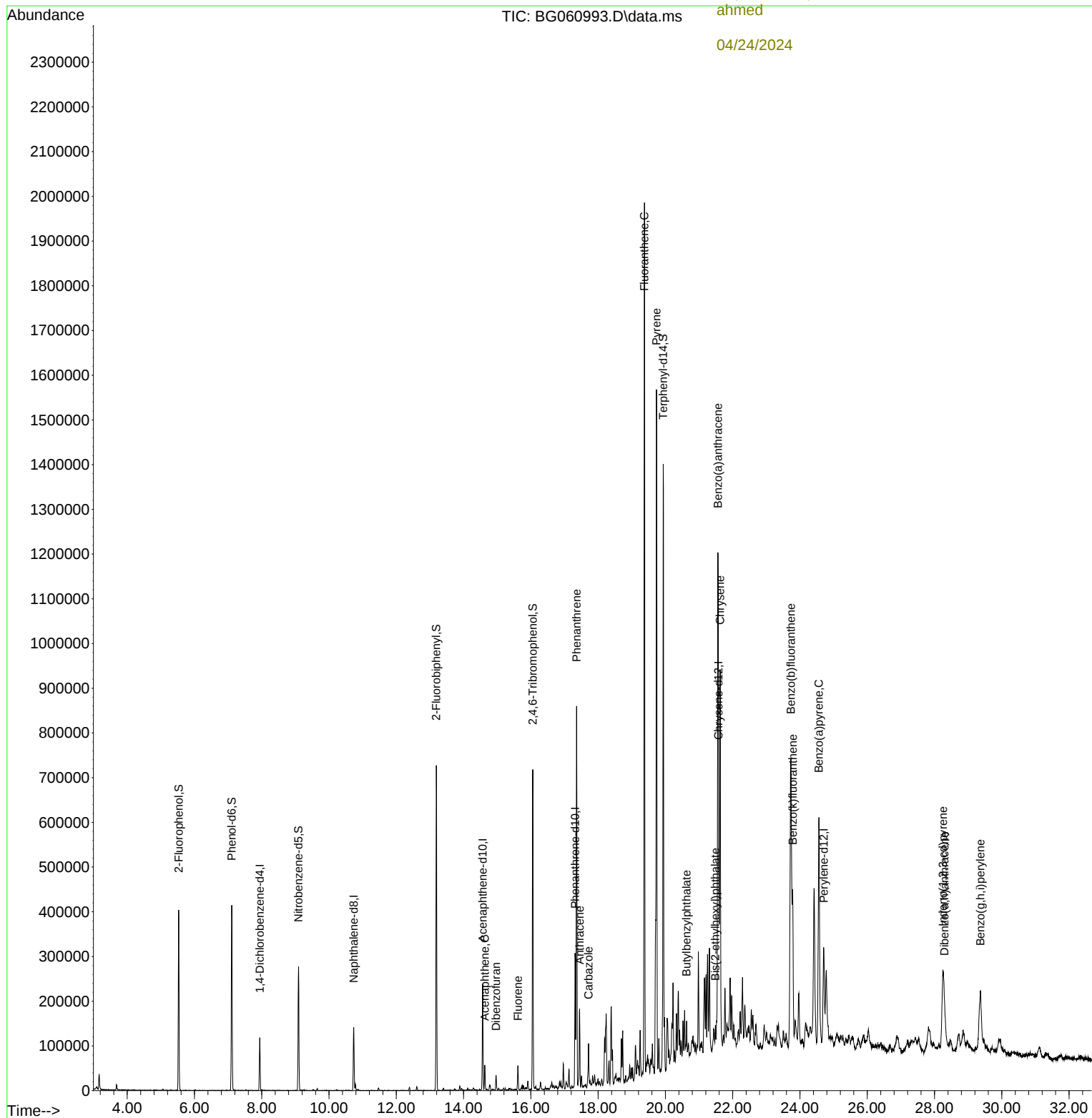
Quant Time: Apr 23 02:17:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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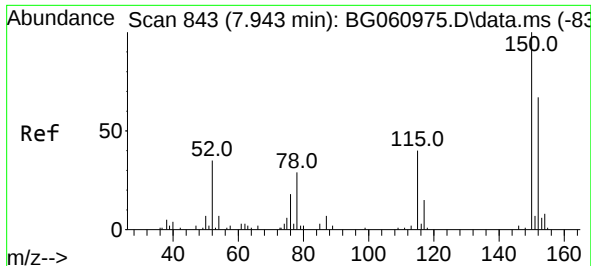
Manual Integrations
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Patel

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Supervised By :mohammad
ahmed

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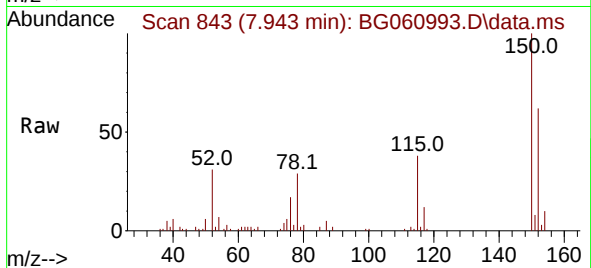
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.943 min Scan# 843
Delta R.T. -0.000 min
Lab File: BG060993.D
Acq: 22 Apr 2024 16:01

Instrument :

BNA_G

ClientSampleId :

SP-2-BACK



Tgt Ion:152 Resp: 29625
Ion Ratio Lower Upper
152 100
150 161.4 118.6 178.0
115 60.6 47.4 71.0

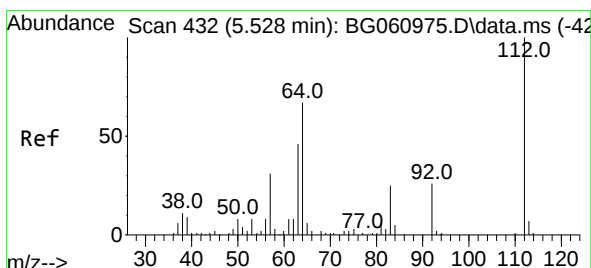
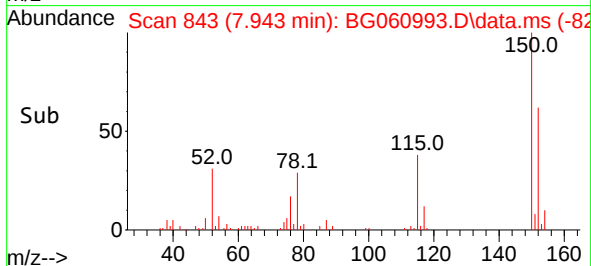
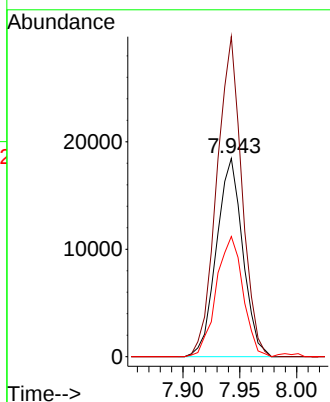
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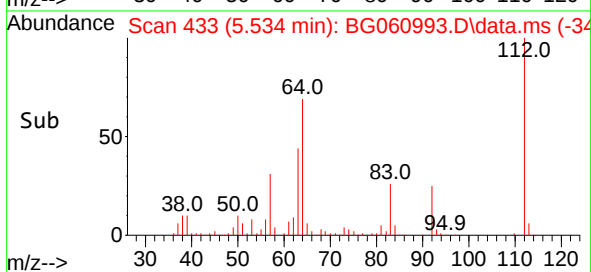
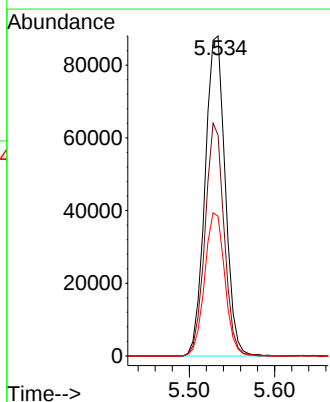
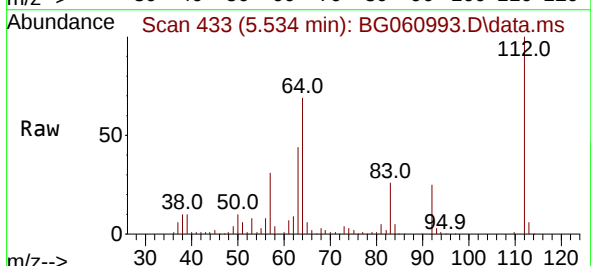
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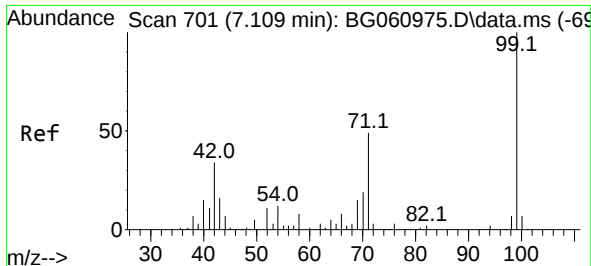
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#5
2-Fluorophenol
Concen: 98.419 ng
RT: 5.534 min Scan# 433
Delta R.T. 0.006 min
Lab File: BG060993.D
Acq: 22 Apr 2024 16:01

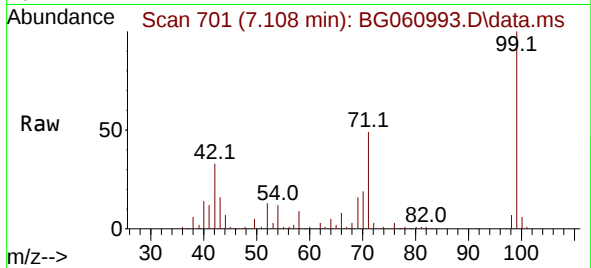
Tgt Ion:112 Resp: 144143
Ion Ratio Lower Upper
112 100
64 69.0 53.7 80.5
63 43.7 37.0 55.6





#7
Phenol-d6
Concen: 87.302 ng
RT: 7.108 min Scan# 701
Delta R.T. -0.000 min
Lab File: BG060993.D
Acq: 22 Apr 2024 16:01

Instrument :
BNA_G
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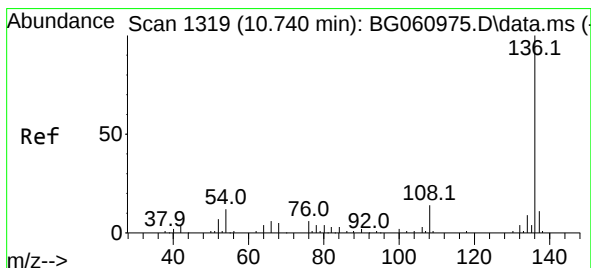
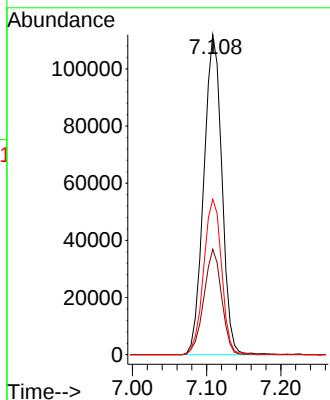
Tgt Ion: 99 Resp: 18971
Ion Ratio Lower Upper
99 100
42 33.0 27.2 40.8
71 48.6 38.8 58.2

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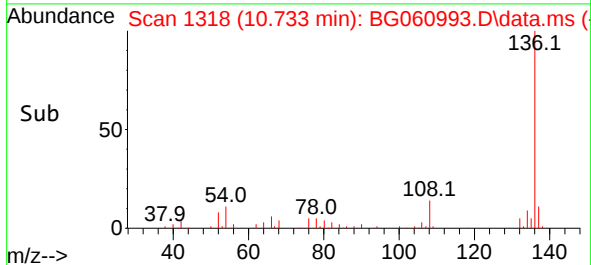
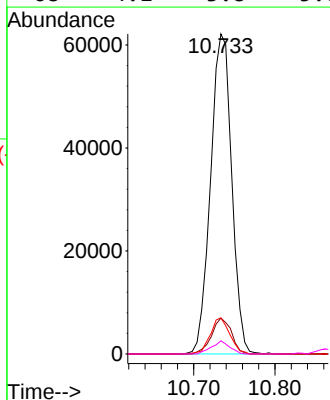
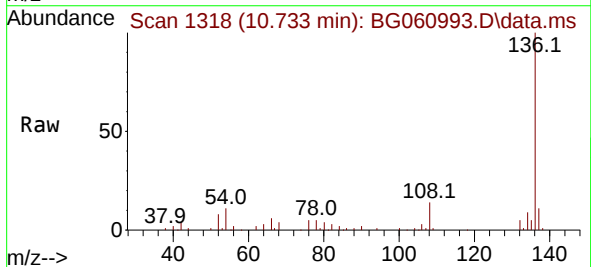
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Supervised By :mohammad
ahmed

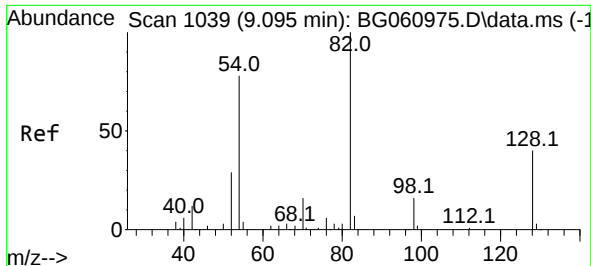
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.733 min Scan# 1318
Delta R.T. -0.007 min
Lab File: BG060993.D
Acq: 22 Apr 2024 16:01

Tgt Ion:136 Resp: 112331
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 11.3 9.4 14.0
68 4.1 3.8 5.6





#23

Nitrobenzene-d5

Concen: 54.698 ng

RT: 9.094 min Scan# 1039

Delta R.T. -0.000 min

Lab File: BG060993.D

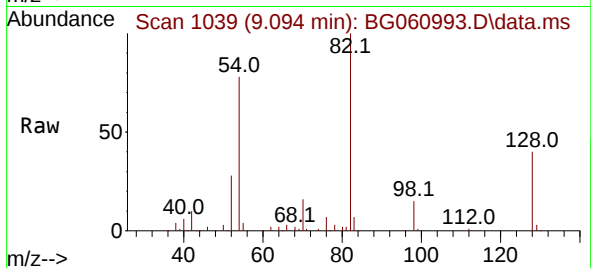
Acq: 22 Apr 2024 16:01

Instrument :

BNA_G

ClientSampleId :

SP-2-BACK



Tgt Ion: 82	Resp: 13675
Ion Ratio	Lower Upper
82 100	
128 39.9	32.1 48.1
54 78.5	62.3 93.5

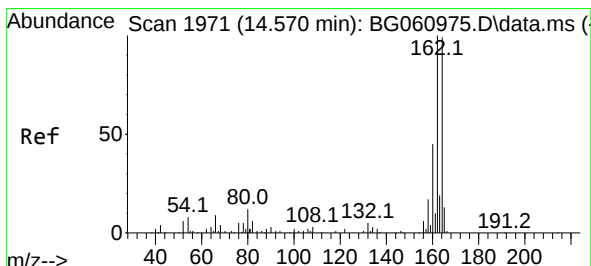
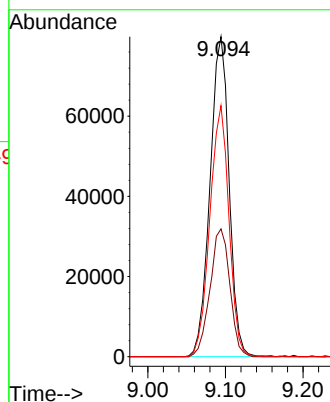
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#39

Acenaphthene-d10

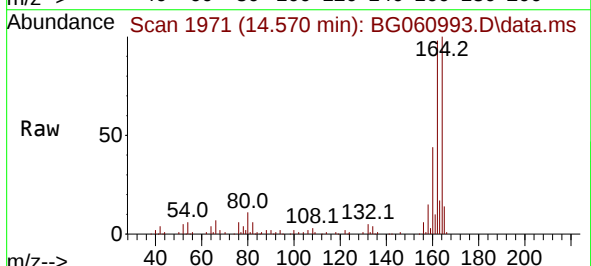
Concen: 20.000 ng

RT: 14.570 min Scan# 1971

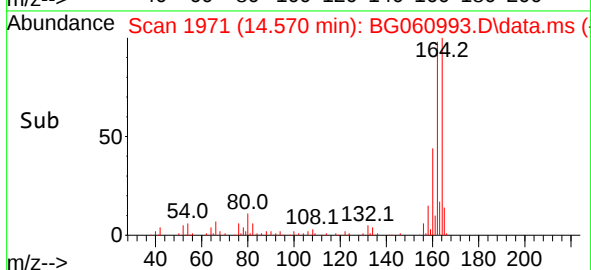
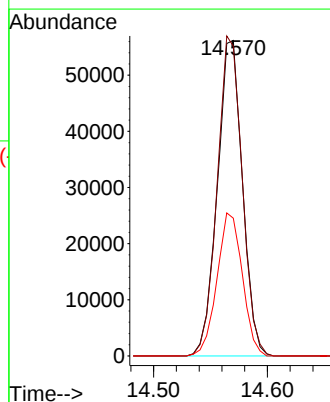
Delta R.T. -0.000 min

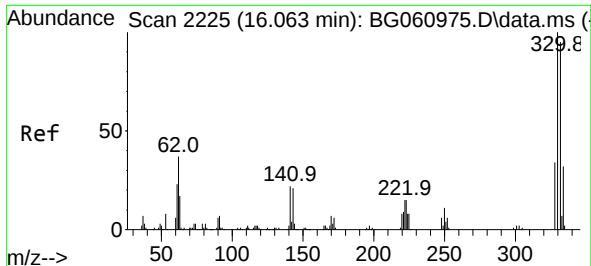
Lab File: BG060993.D

Acq: 22 Apr 2024 16:01



Tgt Ion:164	Resp:	86261	
Ion	Ratio	Lower	Upper
164	100		
162	98.2	81.2	121.8
160	43.6	36.2	54.2





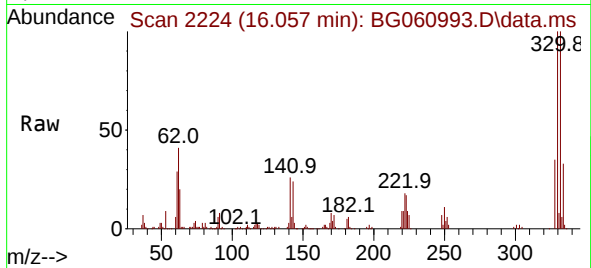
#42
2,4,6-Tribromophenol
Concen: 81.398 ng
RT: 16.057 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG060993.D
Acq: 22 Apr 2024 16:01

Instrument :

BNA_G

ClientSampleId :

SP-2-BACK



Tgt Ion:330 Resp: 154180
Ion Ratio Lower Upper
330 100
332 96.2 77.1 115.7
141 26.0 20.6 31.0

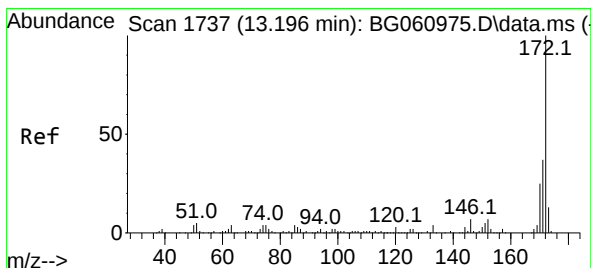
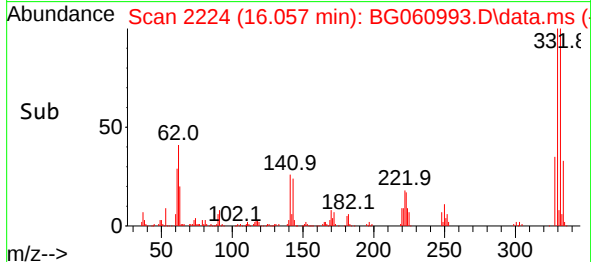
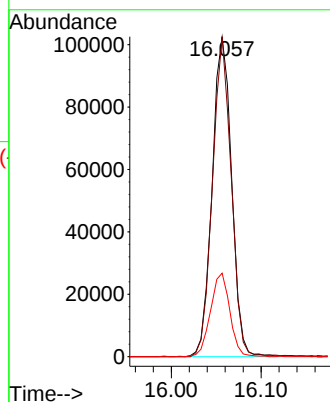
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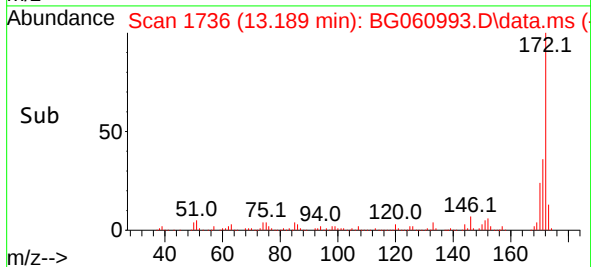
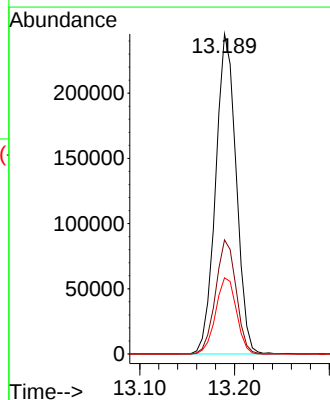
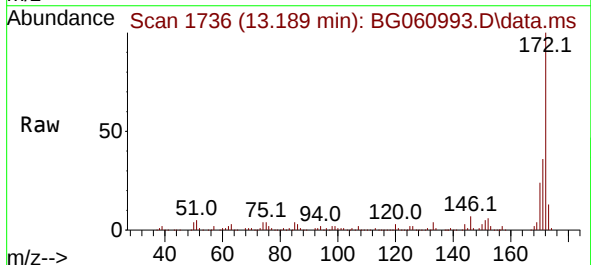
Supervised By :mohammad
ahmed

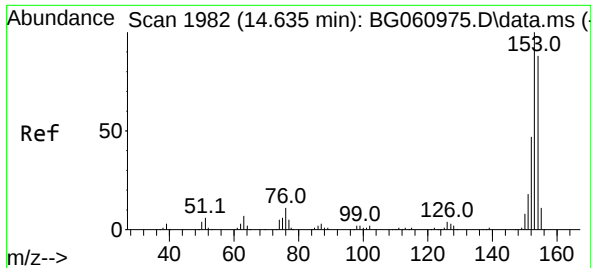
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#45
2-Fluorobiphenyl
Concen: 59.274 ng
RT: 13.189 min Scan# 1736
Delta R.T. -0.006 min
Lab File: BG060993.D
Acq: 22 Apr 2024 16:01

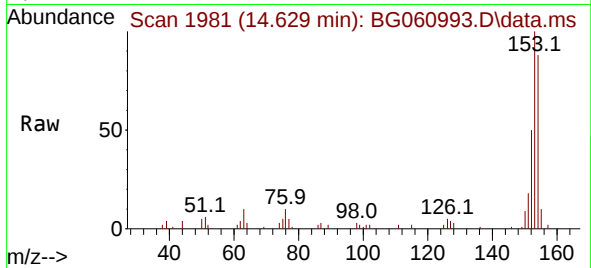
Tgt Ion:172 Resp: 369434
Ion Ratio Lower Upper
172 100
171 35.7 29.3 43.9
170 23.8 20.1 30.1





#52
Acenaphthene
Concen: 4.366 ng
RT: 14.629 min Scan# 1982
Delta R.T. -0.006 min
Lab File: BG060993.D
Acq: 22 Apr 2024 16:01

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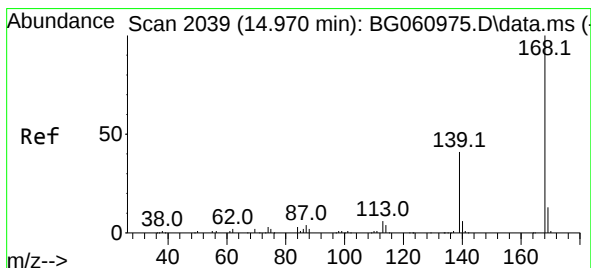
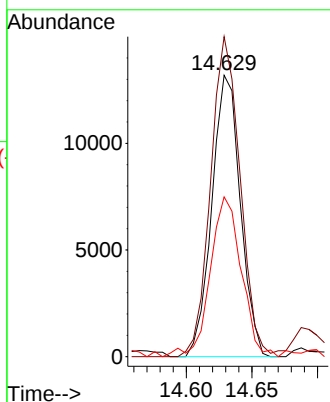
Tgt Ion:154 Resp: 19904
Ion Ratio Lower Upper
154 100
153 113.7 91.2 136.8
152 56.8 42.7 64.1

Manual Integrations
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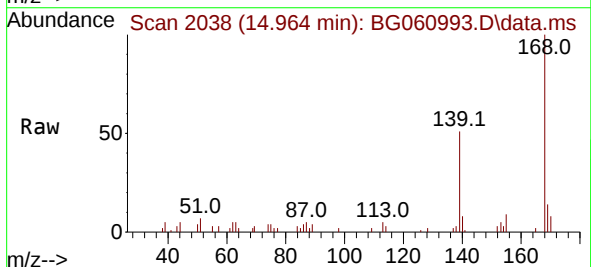
Reviewed By :Yogesh
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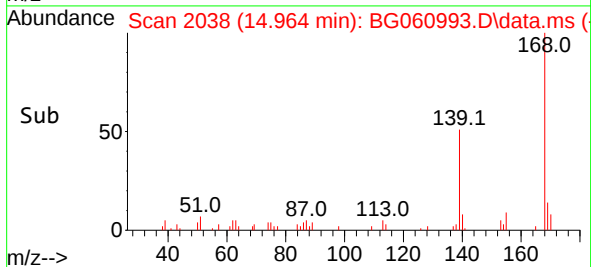
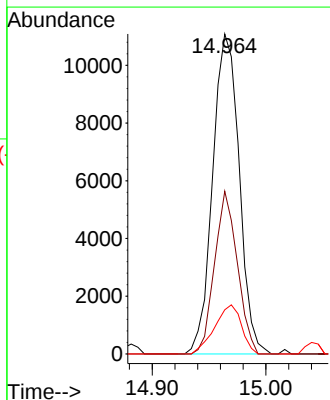
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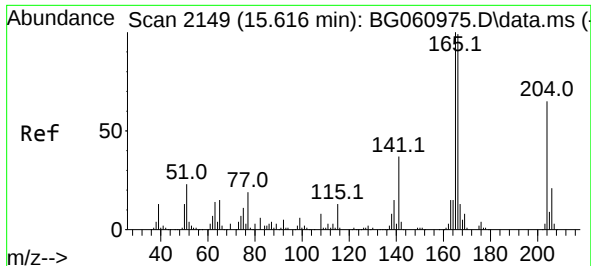


#55
Dibenzofuran
Concen: 2.283 ng
RT: 14.964 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BG060993.D
Acq: 22 Apr 2024 16:01



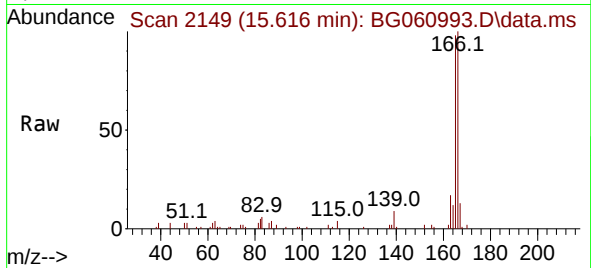
Tgt Ion:168 Resp: 17974
Ion Ratio Lower Upper
168 100
139 50.9 32.4 48.6#
169 13.8 10.6 15.8





#58
Fluorene
Concen: 3.622 ng
RT: 15.616 min Scan# 2149
Delta R.T. -0.000 min
Lab File: BG060993.D
Acq: 22 Apr 2024 16:01

Instrument :
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ClientSampleId :
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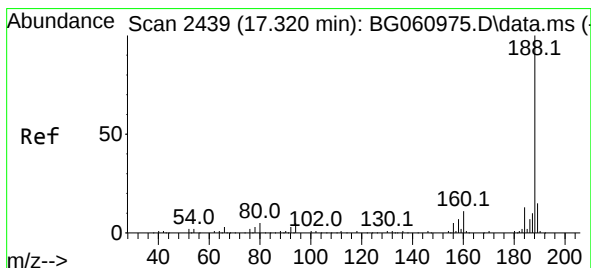
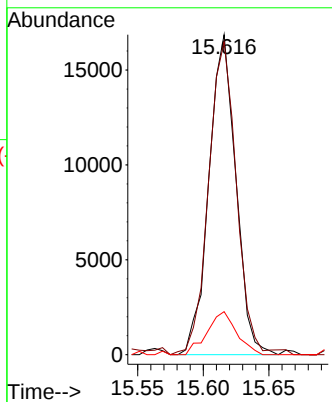
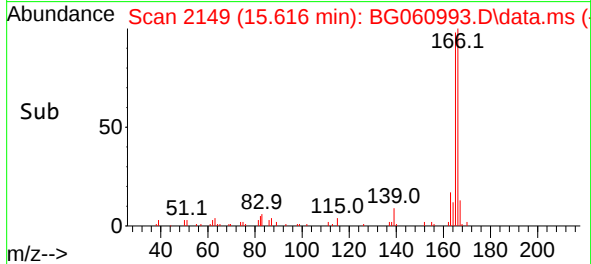
Tgt Ion:166 Resp: 24068
Ion Ratio Lower Upper
166 100
165 97.8 80.9 121.3
167 13.4 10.5 15.7

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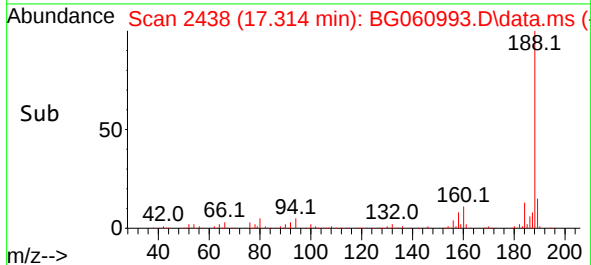
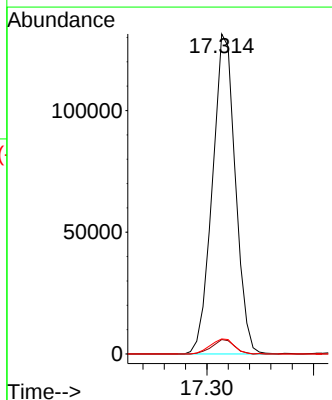
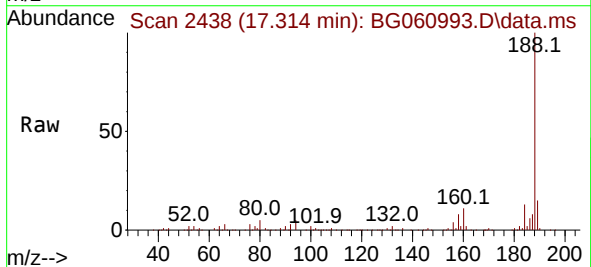
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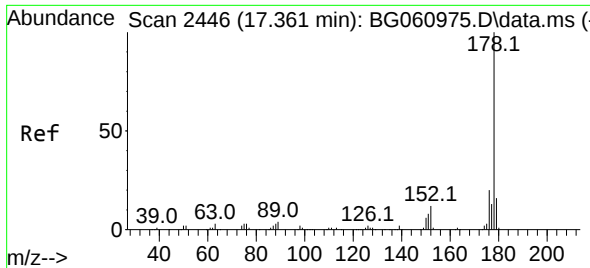
04/24/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.314 min Scan# 2438
Delta R.T. -0.006 min
Lab File: BG060993.D
Acq: 22 Apr 2024 16:01

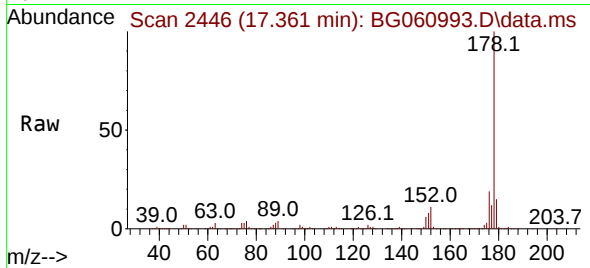
Tgt Ion:188 Resp: 196280
Ion Ratio Lower Upper
188 100
94 4.5 4.1 6.1
80 4.7 4.0 6.0





#71
Phenanthrene
Concen: 54.894 ng
RT: 17.361 min Scan# 2446
Delta R.T. -0.000 min
Lab File: BG060993.D
Acq: 22 Apr 2024 16:01

Instrument :
BNA_G
ClientSampleId :
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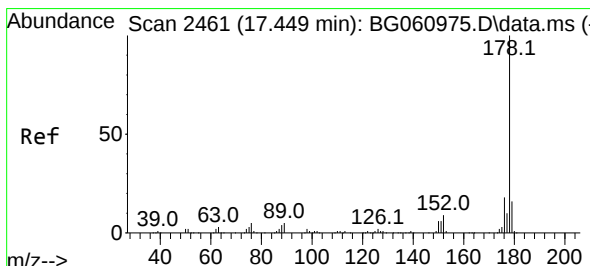
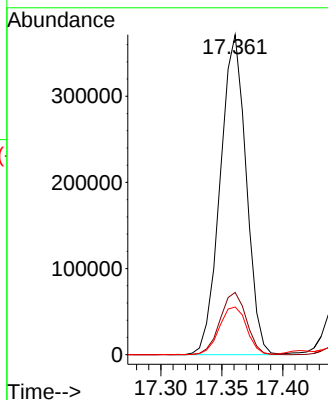
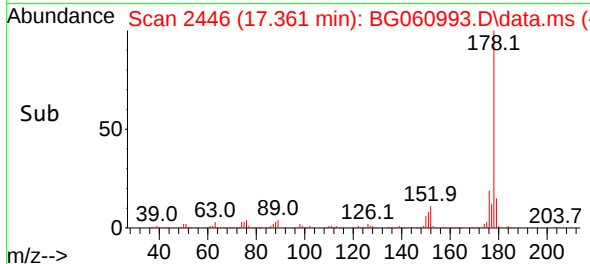
Tgt Ion:178 Resp: 54997
Ion Ratio Lower Upper
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176 19.4 16.0 24.0
179 14.9 12.5 18.7

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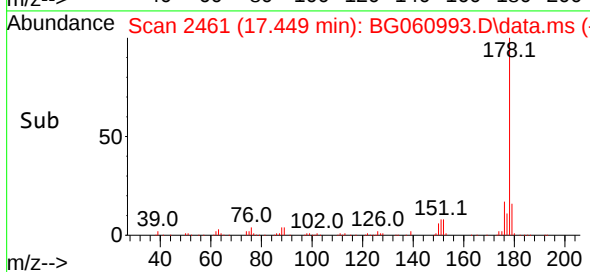
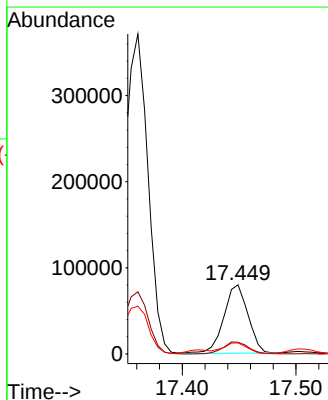
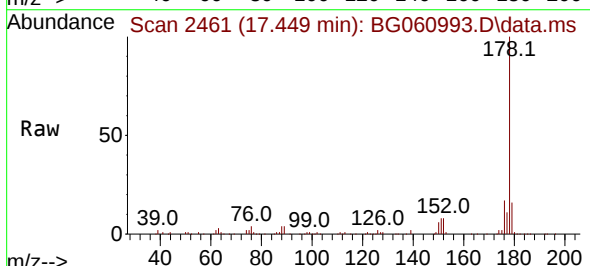
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Supervised By :mohammad
ahmed

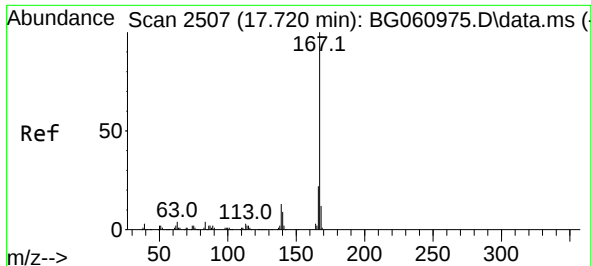
04/24/2024



#72
Anthracene
Concen: 11.370 ng
RT: 17.449 min Scan# 2461
Delta R.T. -0.000 min
Lab File: BG060993.D
Acq: 22 Apr 2024 16:01

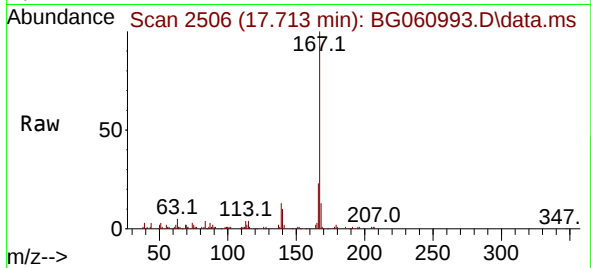
Tgt Ion:178 Resp: 117325
Ion Ratio Lower Upper
178 100
176 17.0 14.7 22.1
179 15.9 12.4 18.6





#73
 Carbazole
 Concen: 7.007 ng
 RT: 17.713 min Scan# 2507
 Delta R.T. -0.006 min
 Lab File: BG060993.D
 Acq: 22 Apr 2024 16:01

Instrument :
 BNA_G
 ClientSampleId :
 SP-2-BACK



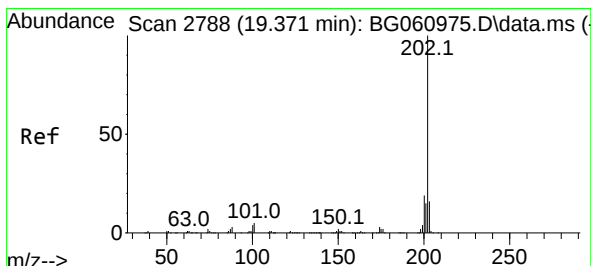
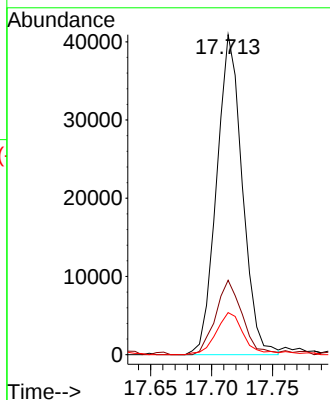
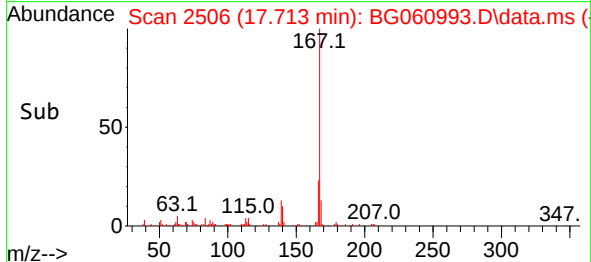
Tgt Ion:167 Resp: 6004
 Ion Ratio Lower Upper
 167 100
 166 23.2 17.8 26.8
 139 13.1 10.2 15.2

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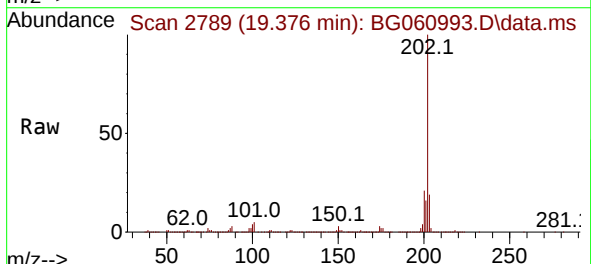
Reviewed By :Yogesh
 Patel

04/24/2024
 Supervised By :mohammad
 ahmed

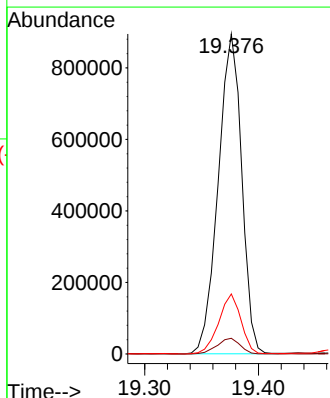
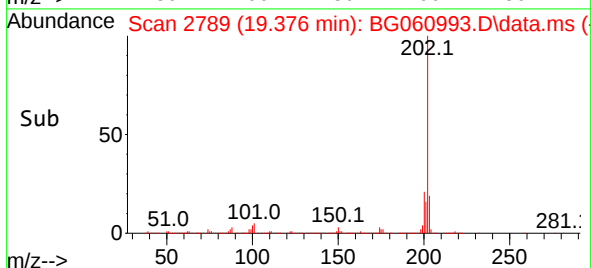
04/24/2024

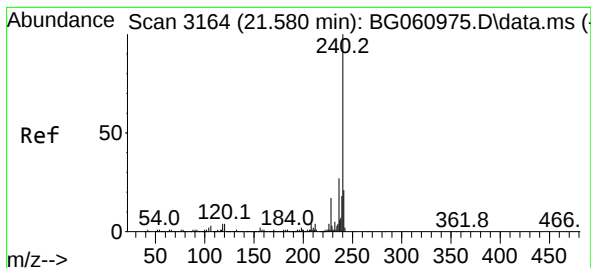


#75
 Fluoranthene
 Concen: 96.440 ng
 RT: 19.376 min Scan# 2789
 Delta R.T. 0.006 min
 Lab File: BG060993.D
 Acq: 22 Apr 2024 16:01



Tgt Ion:202 Resp: 1282283
 Ion Ratio Lower Upper
 202 100
 101 4.9 0.0 24.9
 203 18.7 0.0 36.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.579 min Scan# 3164

Delta R.T. -0.000 min

Lab File: BG060993.D

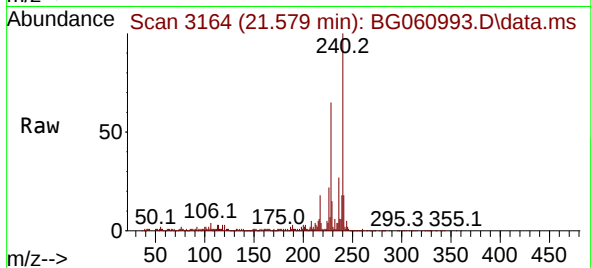
Acq: 22 Apr 2024 16:01

Instrument :

BNA_G

ClientSampleId :

SP-2-BACK



Tgt Ion:240 Resp: 200139

Ion Ratio Lower Upper

240 100

120 3.4 3.0 4.6

236 26.8 21.8 32.6

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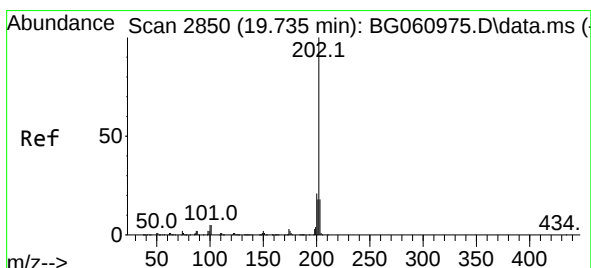
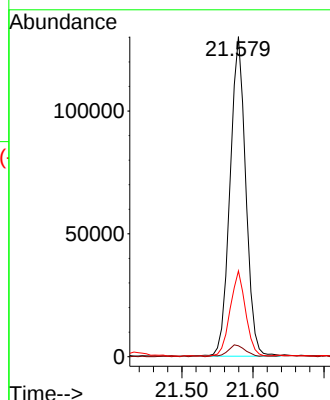
APPROVED

Reviewed By :Yogesh
Patel

04/24/2024

Supervised By :mohammad
ahmed

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#78

Pyrene

Concen: 81.002 ng

RT: 19.735 min Scan# 2850

Delta R.T. -0.000 min

Lab File: BG060993.D

Acq: 22 Apr 2024 16:01

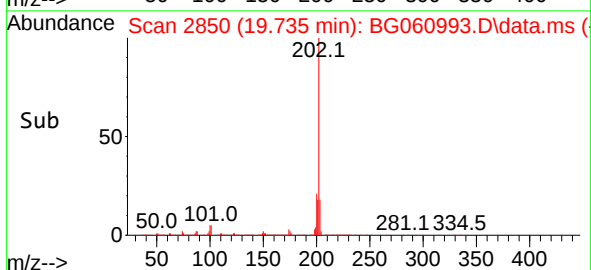
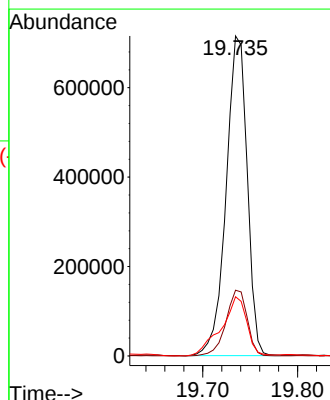
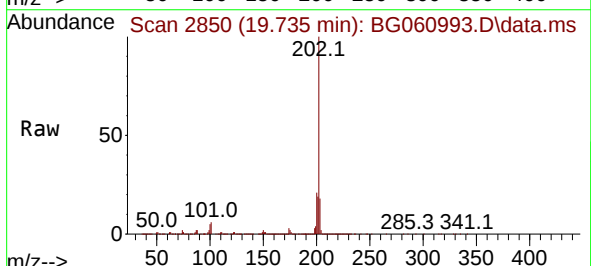
Tgt Ion:202 Resp: 1103846

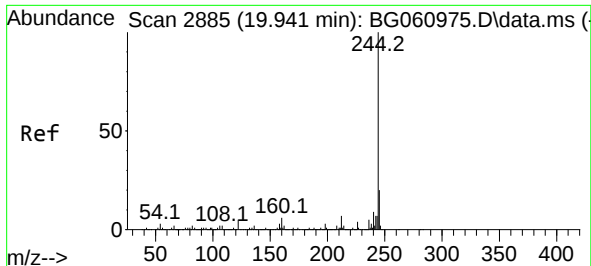
Ion Ratio Lower Upper

202 100

200 20.6 16.8 25.2

203 18.5 14.2 21.2





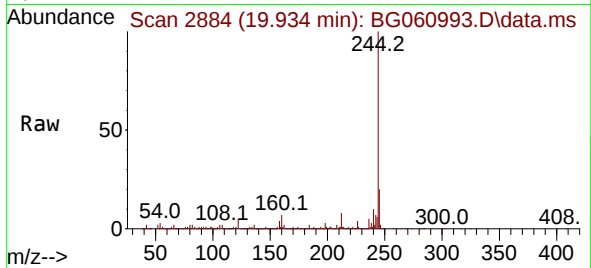
#79
 Terphenyl-d14
 Concen: 54.439 ng
 RT: 19.934 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG060993.D
 Acq: 22 Apr 2024 16:01

Instrument :

BNA_G

ClientSampleId :

SP-2-BACK



Tgt Ion:244 Resp: 701920
 Ion Ratio Lower Upper
 244 100
 212 7.9 5.9 8.9
 122 5.3 4.2 6.2

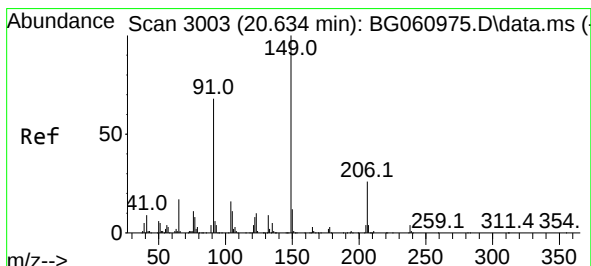
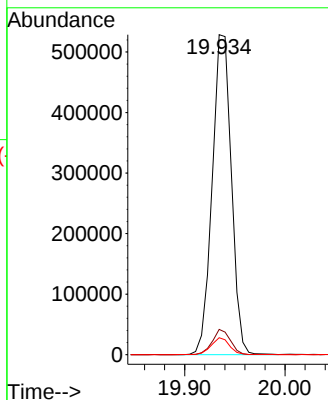
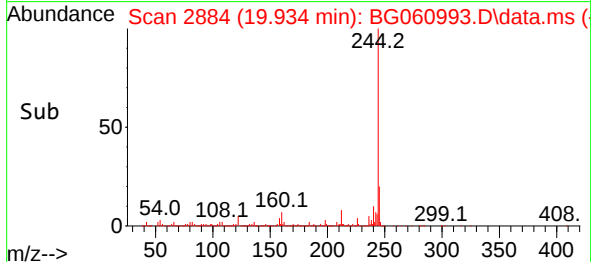
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Reviewed By :Yogesh
 Patel

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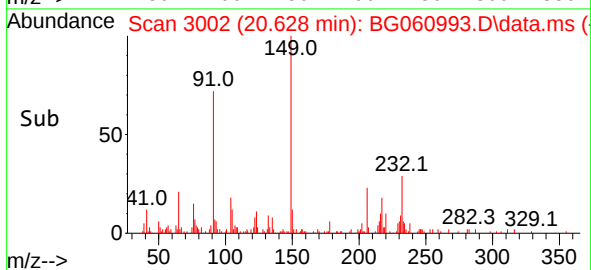
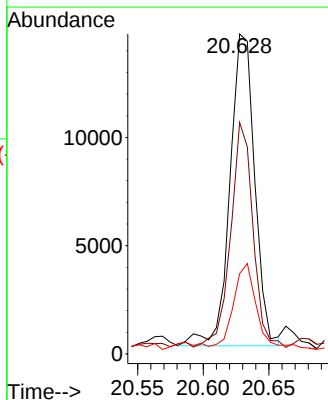
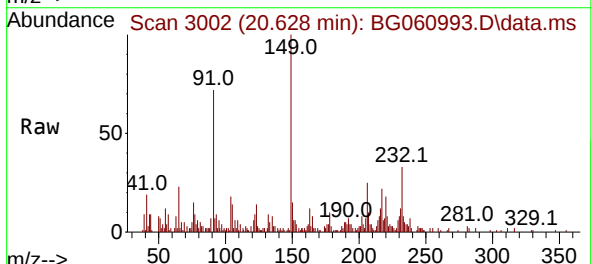
Supervised By :mohammad
 ahmed

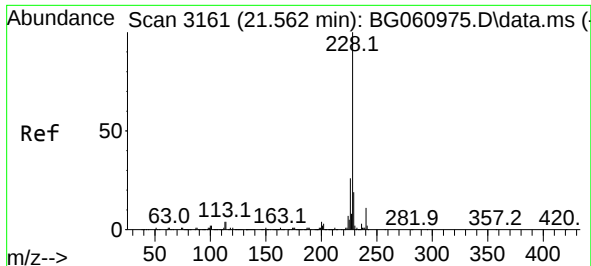
04/24/2024



#80
 Butylbenzylphthalate
 Concen: 4.175 ng
 RT: 20.628 min Scan# 3002
 Delta R.T. -0.006 min
 Lab File: BG060993.D
 Acq: 22 Apr 2024 16:01

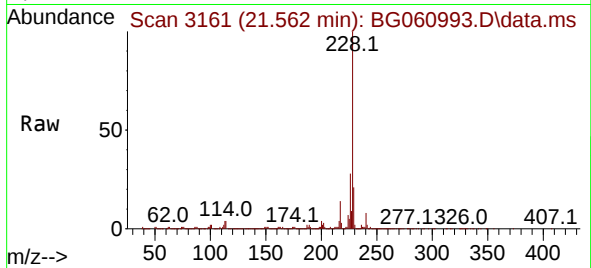
Tgt Ion:149 Resp: 18964
 Ion Ratio Lower Upper
 149 100
 91 72.4 54.4 81.6
 206 25.1 20.8 31.2





#81
Benzo(a)anthracene
Concen: 48.227 ng
RT: 21.562 min Scan# 3161
Delta R.T. -0.000 min
Lab File: BG060993.D
Acq: 22 Apr 2024 16:01

Instrument :
BNA_G
ClientSampleId :
SP-2-BACK



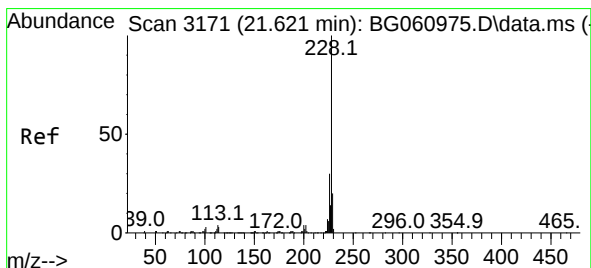
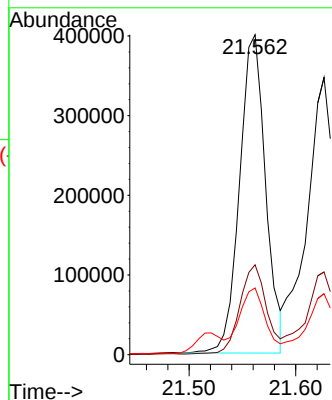
Tgt Ion:228 Resp: 67860
Ion Ratio Lower Upper
228 100
226 28.1 21.0 31.4
229 20.9 15.0 22.4

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Reviewed By :Yogesh
Patel

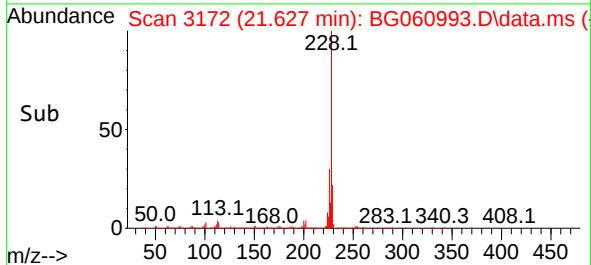
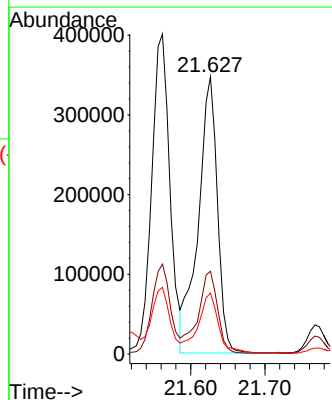
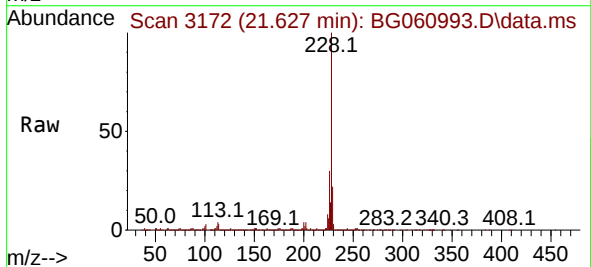
04/24/2024
Supervised By :mohammad
ahmed

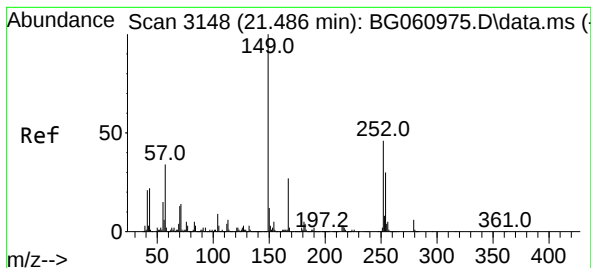
04/24/2024



#83
Chrysene
Concen: 46.631 ng
RT: 21.627 min Scan# 3172
Delta R.T. 0.006 min
Lab File: BG060993.D
Acq: 22 Apr 2024 16:01

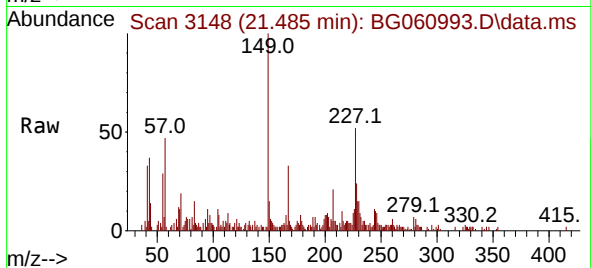
Tgt Ion:228 Resp: 624699
Ion Ratio Lower Upper
228 100
226 29.9 24.2 36.2
229 22.0 15.7 23.5





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.213 ng
RT: 21.485 min Scan# 3148
Delta R.T. -0.000 min
Lab File: BG060993.D
Acq: 22 Apr 2024 16:01

Instrument :
BNA_G
ClientSampleId :
SP-2-BACK



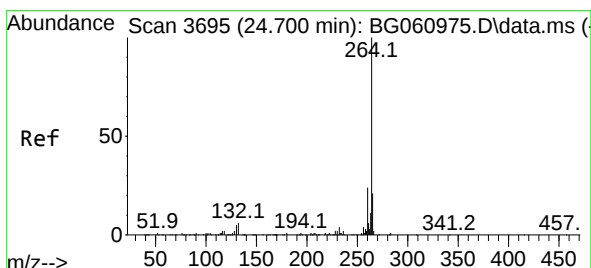
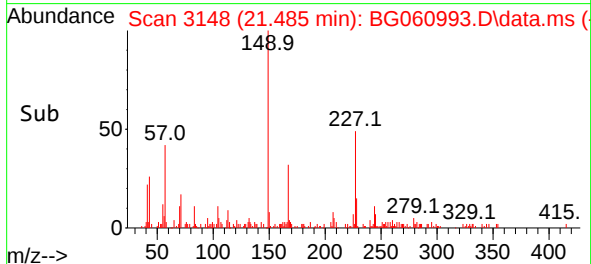
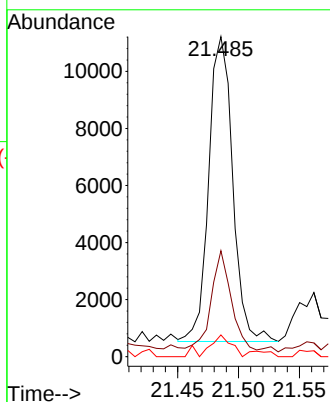
Tgt Ion:149 Resp: 14615
Ion Ratio Lower Upper
149 100
167 33.1 21.8 32.8
279 6.8 4.4 6.6

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Reviewed By :Yogesh
Patel

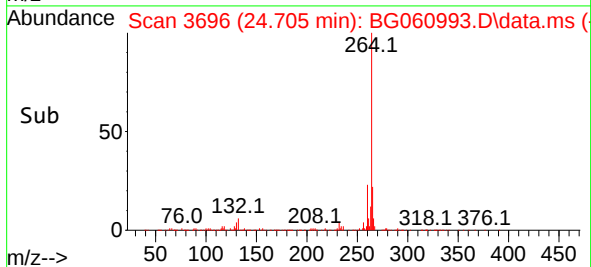
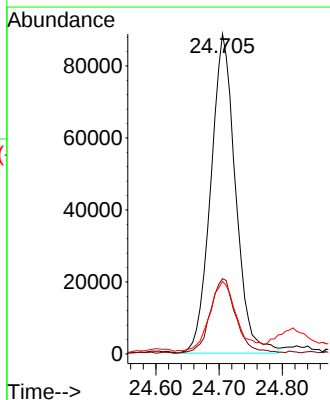
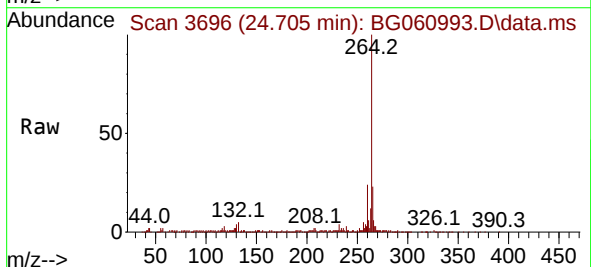
04/24/2024
Supervised By :mohammad
ahmed

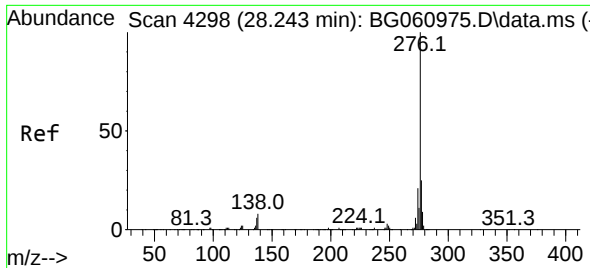
04/24/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.705 min Scan# 3696
Delta R.T. 0.006 min
Lab File: BG060993.D
Acq: 22 Apr 2024 16:01

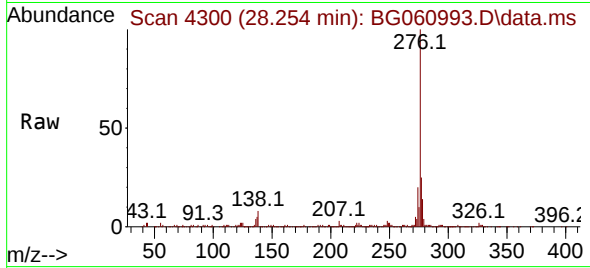
Tgt Ion:264 Resp: 240853
Ion Ratio Lower Upper
264 100
260 23.5 19.4 29.2
265 22.7 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 24.547 ng
RT: 28.254 min Scan# 41
Delta R.T. 0.011 min
Lab File: BG060993.D
Acq: 22 Apr 2024 16:01

Instrument :
BNA_G
ClientSampleId :
SP-2-BACK



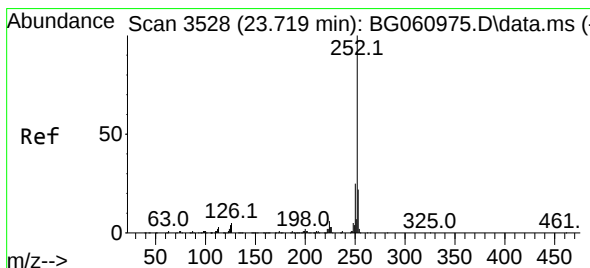
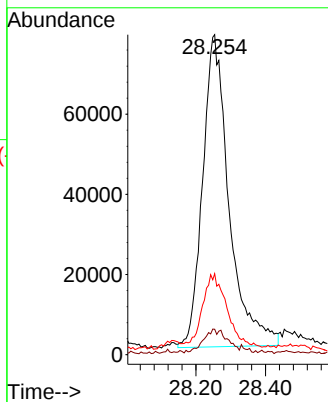
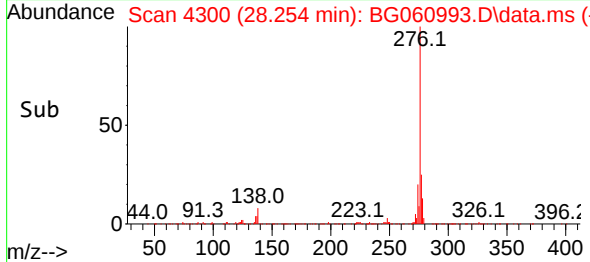
Tgt Ion:276 Resp: 410140
Ion Ratio Lower Upper
276 100
138 3.9 5.3 7.9
277 20.5 20.6 30.8

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Reviewed By :Yogesh
Patel

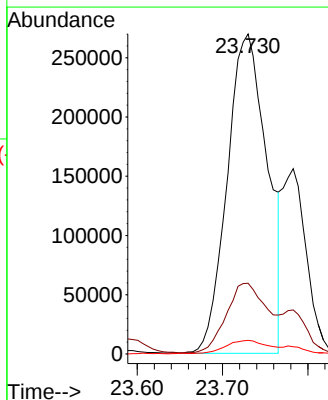
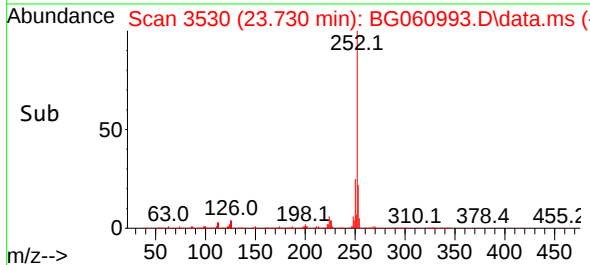
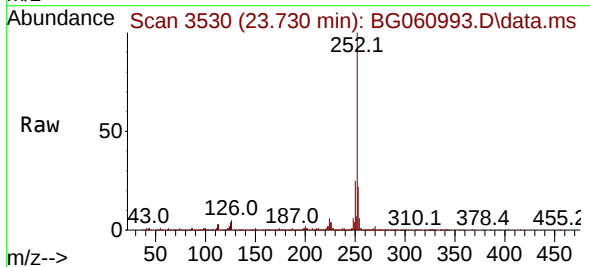
04/24/2024
Supervised By :mohammad
ahmed

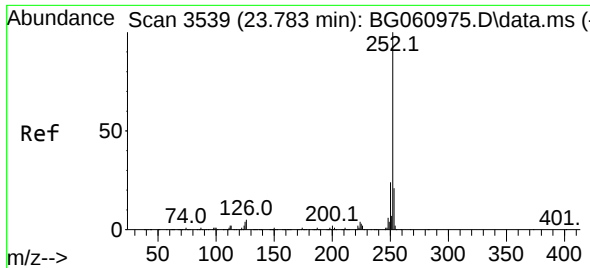
04/24/2024



#88
Benzo(b)fluoranthene
Concen: 64.452 ng
RT: 23.730 min Scan# 3530
Delta R.T. 0.011 min
Lab File: BG060993.D
Acq: 22 Apr 2024 16:01

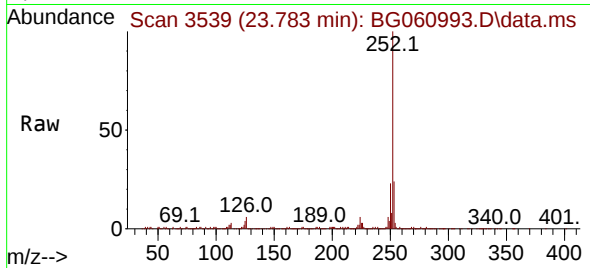
Tgt Ion:252 Resp: 879707
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 4.3 3.3 4.9





#89
Benzo(k)fluoranthene
Concen: 21.461 ng m
RT: 23.783 min Scan# 3539
Delta R.T. -0.000 min
Lab File: BG060993.D
Acq: 22 Apr 2024 16:01

Instrument :
BNA_G
ClientSampleId :
SP-2-BACK



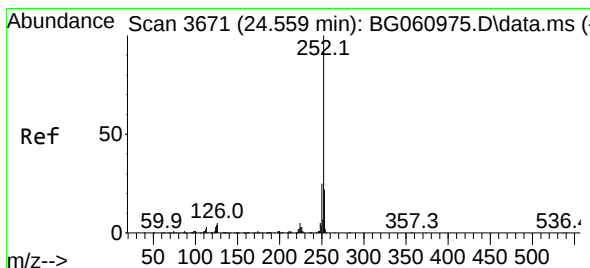
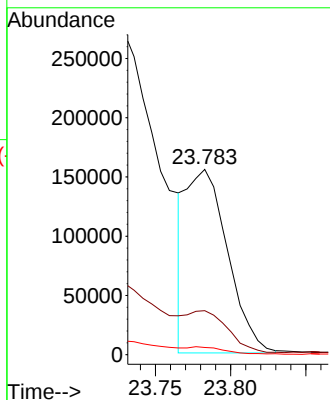
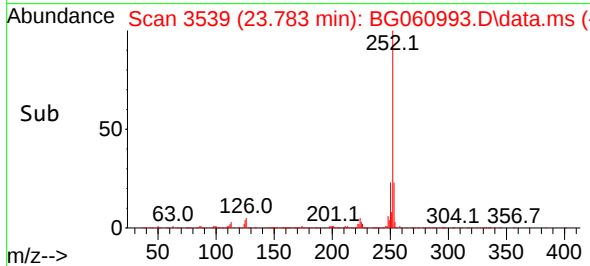
Tgt Ion:252 Resp: 295702
Ion Ratio Lower Upper
252 100
253 23.8 16.6 25.0
125 3.9 3.3 4.9

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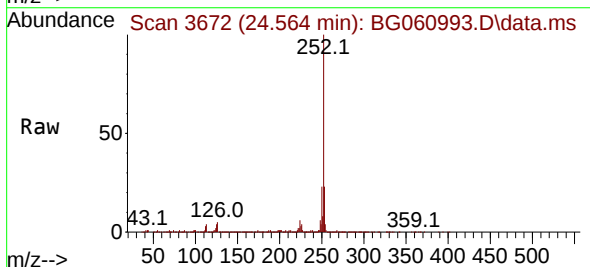
Reviewed By :Yogesh
Patel

04/24/2024
Supervised By :mohammad
ahmed

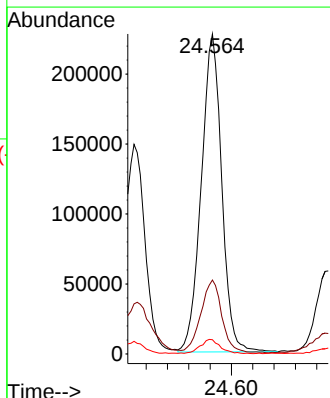
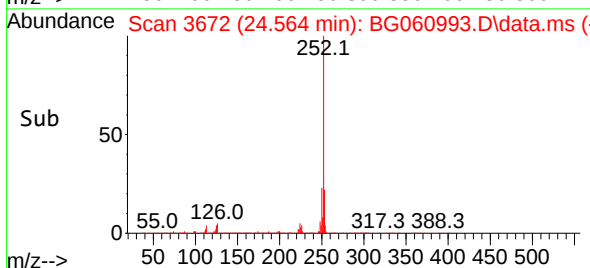
04/24/2024

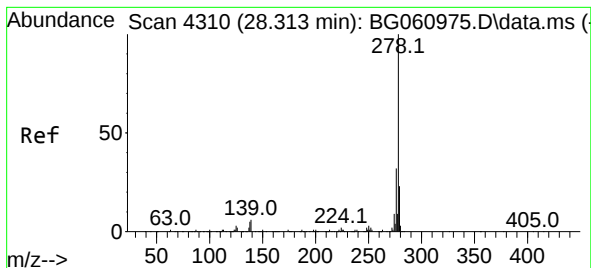


#90
Benzo(a)pyrene
Concen: 45.799 ng
RT: 24.564 min Scan# 3672
Delta R.T. 0.006 min
Lab File: BG060993.D
Acq: 22 Apr 2024 16:01



Tgt Ion:252 Resp: 605068
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 4.5 3.6 5.4





#91

Dibenzo(a,h)anthracene

Concen: 7.176 ng

RT: 28.295 min Scan# 41

Delta R.T. -0.018 min

Lab File: BG060993.D

Acq: 22 Apr 2024 16:01

Instrument :

BNA_G

ClientSampleId :

SP-2-BACK

Tgt Ion:278 Resp: 9795

Ion	Ratio	Lower	Upper
278	100		
139	6.4	4.7	7.1
279	24.5	18.2	27.4

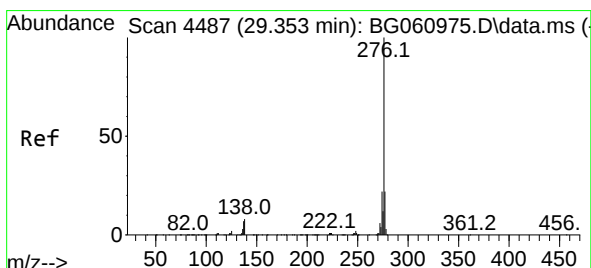
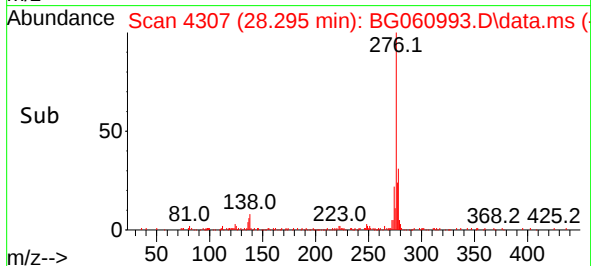
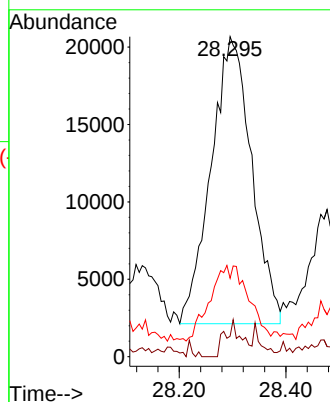
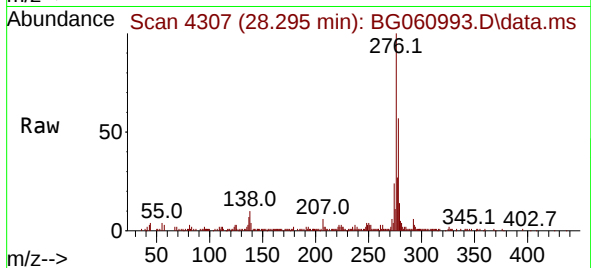
Manual Integrations
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Reviewed By :Yogesh
Patel

04/24/2024

Supervised By :mohammad
ahmed

04/24/2024



#92

Benzo(g,h,i)perylene

Concen: 26.638 ng

RT: 29.365 min Scan# 4489

Delta R.T. 0.011 min

Lab File: BG060993.D

Acq: 22 Apr 2024 16:01

Tgt Ion:276 Resp: 360541

Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.0	27.0
138	6.8	6.5	9.7

