

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
 Data File : BG060991.D
 Acq On : 22 Apr 2024 14:39
 Operator : MA/JU
 Sample : P2127-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-2-FRONT

Quant Time: Apr 23 02:16:44 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

Manual Integrations APPROVED

Reviewed By :Yogesh
 Patel

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							04/24/2024
1) 1,4-Dichlorobenzene-d4	7.941	152	28821	20.000	ng	0.00	Supervised By :mohammad
21) Naphthalene-d8	10.732	136	103058	20.000	ng	# 0.00	Summed
39) Acenaphthene-d10	14.568	164	85816	20.000	ng	0.00	
64) Phenanthrene-d10	17.312	188	195836	20.000	ng	0.00	
76) Chrysene-d12	21.578	240	199526	20.000	ng	0.00	
86) Perylene-d12	24.698	264	238367	20.000	ng	0.00	04/24/2024
System Monitoring Compounds							
5) 2-Fluorophenol	5.532	112	128511	90.193	ng	0.00	
7) Phenol-d6	7.106	99	179733	85.017	ng	0.00	
23) Nitrobenzene-d5	9.092	82	127374	55.530	ng	0.00	
42) 2,4,6-Tribromophenol	16.055	330	141505	75.091	ng	0.00	
45) 2-Fluorobiphenyl	13.188	172	331678	53.492	ng	0.00	
79) Terphenyl-d14	19.938	244	635211	49.417	ng	0.00	
Target Compounds							Qvalue
31) Naphthalene	10.784	128	11690	2.072	ng	#	95
52) Acenaphthene	14.627	154	38319	8.449	ng		96
55) Dibenzofuran	14.962	168	42650	5.446	ng	#	94
58) Fluorene	15.614	166	61167	9.253	ng		97
71) Phenanthrene	17.359	178	884736	88.508	ng		100
72) Anthracene	17.447	178	197281	19.163	ng		99
73) Carbazole	17.712	167	103517	12.107	ng		98
75) Fluoranthene	19.374	202	1273003	95.959	ng		97
78) Pyrene	19.733	202	1003969	73.899	ng		99
81) Benzo(a)anthracene	21.560	228	597133	42.568	ng		97
83) Chrysene	21.619	228	530027	39.686	ng		98
87) Indeno(1,2,3-cd)pyrene	28.235	276	312239	18.883	ng	#	95
88) Benzo(b)fluoranthene	23.716	252	658463	48.746	ng		99
89) Benzo(k)fluoranthene	23.769	252	233010m	17.088	ng		
90) Benzo(a)pyrene	24.557	252	452540	34.611	ng		99
91) Dibenzo(a,h)anthracene	28.282	278	78390	5.802	ng	#	91
92) Benzo(g,h,i)perylene	29.351	276	288494	21.537	ng		99

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

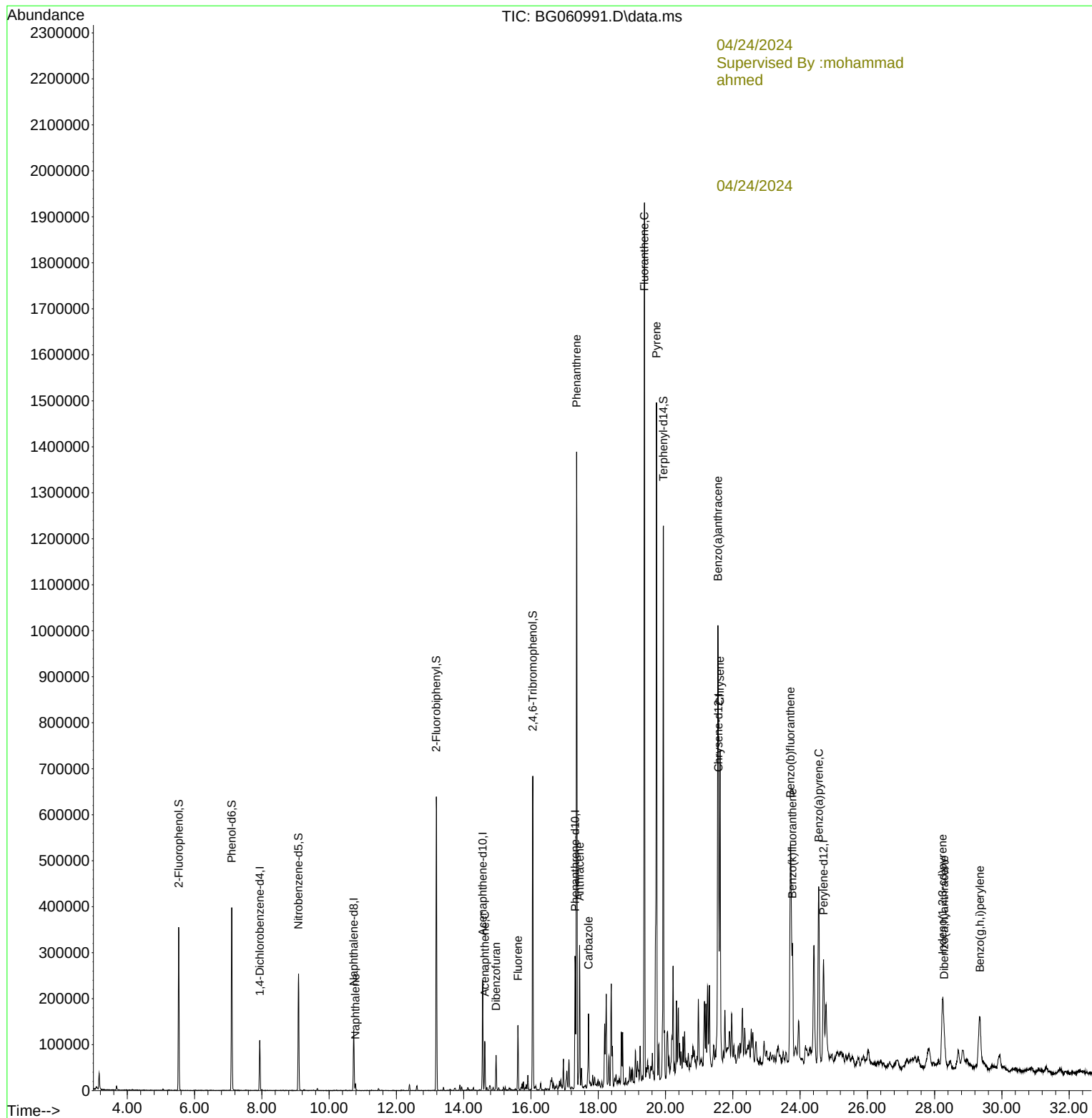
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
Data File : BG060991.D
Acq On : 22 Apr 2024 14:39
Operator : MA/JU
Sample : P2127-01
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ALS Vial : 6 Sample Multiplier: 1

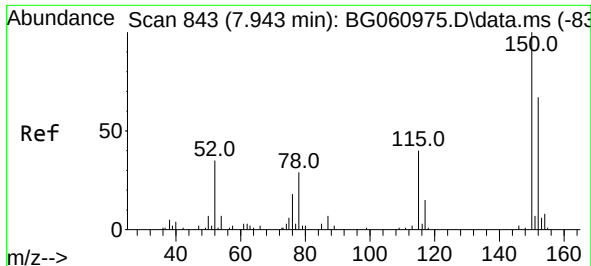
Instrument :
BNA_G
ClientSampleId :
SP-2-FRONT

Quant Time: Apr 23 02:16:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
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QLast Update : Mon Apr 22 04:22:00 2024
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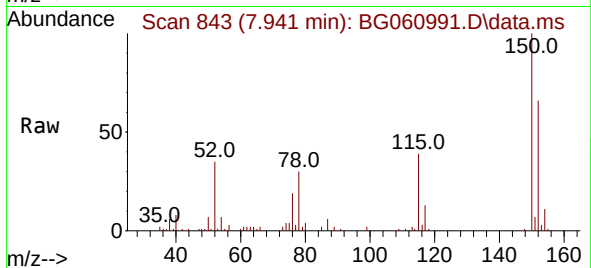
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.941 min Scan# 843
Delta R.T. -0.002 min
Lab File: BG060991.D
Acq: 22 Apr 2024 14:39

Instrument :

BNA_G

ClientSampleId :

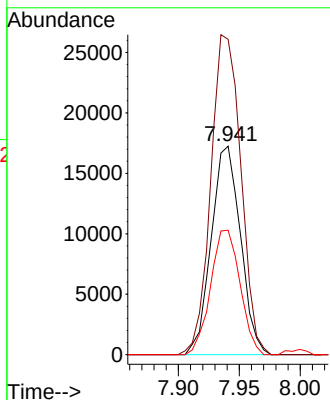
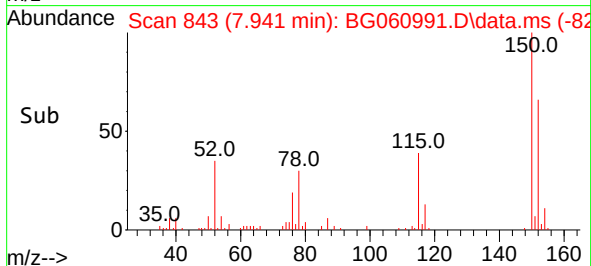
SP-2-FRONT



Tgt Ion:152 Resp: 2882
Ion Ratio Lower Upper
152 100
150 151.3 118.6 178.0
115 59.7 47.4 71.0

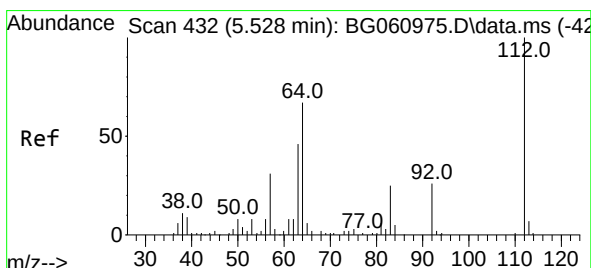
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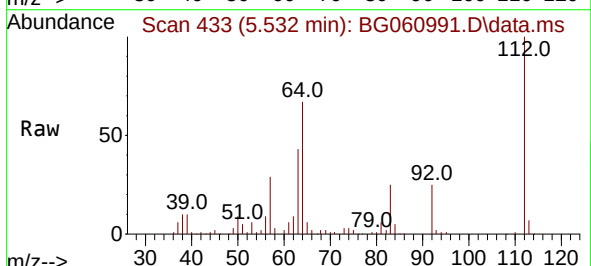


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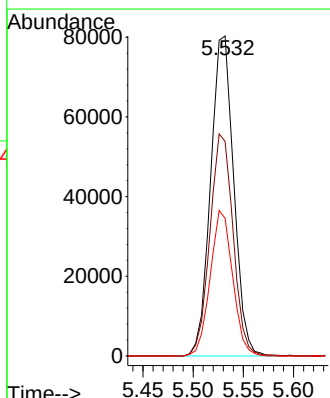
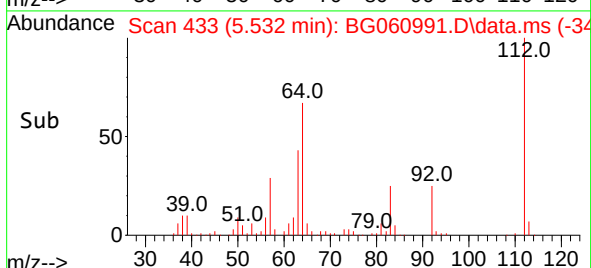
04/24/2024

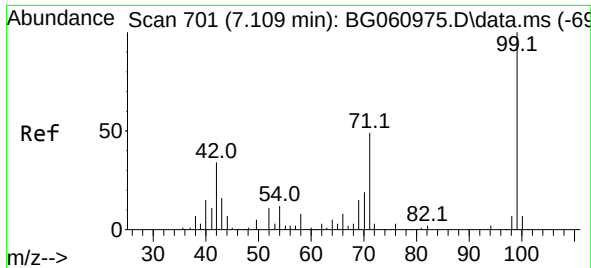


#5
2-Fluorophenol
Concen: 90.193 ng
RT: 5.532 min Scan# 433
Delta R.T. 0.004 min
Lab File: BG060991.D
Acq: 22 Apr 2024 14:39



Tgt Ion:112 Resp: 128511
Ion Ratio Lower Upper
112 100
64 67.1 53.7 80.5
63 43.0 37.0 55.6





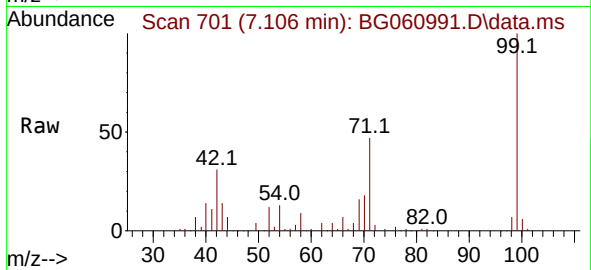
#7
Phenol-d6
Concen: 85.017 ng
RT: 7.106 min Scan# 701
Delta R.T. -0.002 min
Lab File: BG060991.D
Acq: 22 Apr 2024 14:39

Instrument :

BNA_G

ClientSampleId :

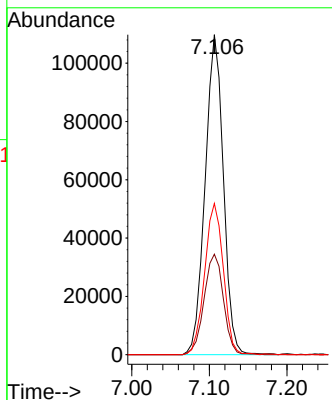
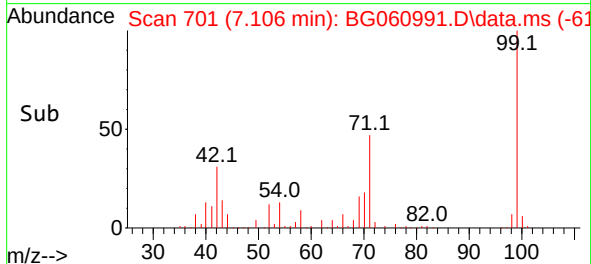
SP-2-FRONT



Tgt Ion: 99 Resp: 17973
Ion Ratio Lower Upper
99 100
42 31.4 27.2 40.8
71 47.2 38.8 58.2

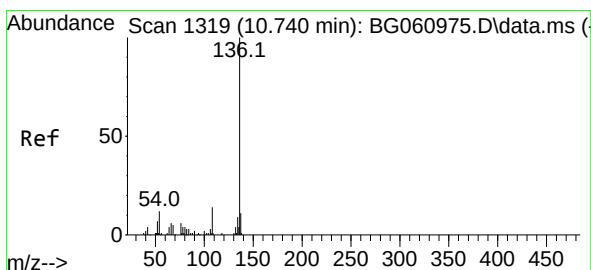
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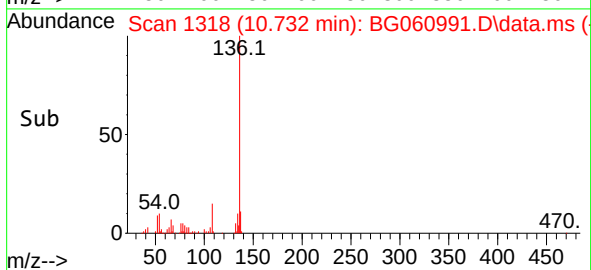
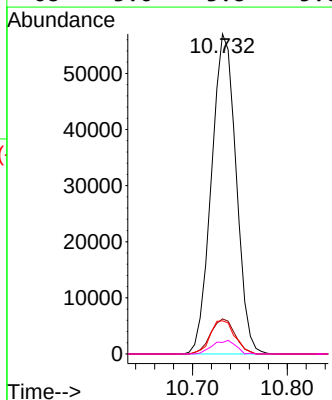
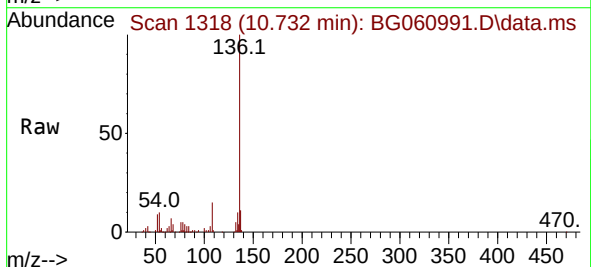
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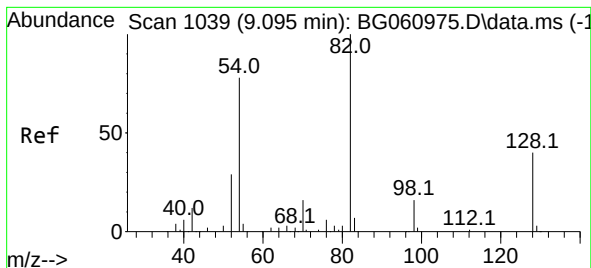
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.732 min Scan# 1318
Delta R.T. -0.008 min
Lab File: BG060991.D
Acq: 22 Apr 2024 14:39

Tgt Ion:136 Resp: 103058
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 10.3 9.4 14.0
68 3.6 3.8 5.6#





#23

Nitrobenzene-d5

Concen: 55.530 ng

RT: 9.092 min Scan# 1039

Delta R.T. -0.002 min

Lab File: BG060991.D

Acq: 22 Apr 2024 14:39

Instrument :

BNA_G

ClientSampleId :

SP-2-FRONT

Tgt Ion: 82 Resp: 127374

Ion Ratio Lower Upper

82 100

128 39.4 32.1 48.1

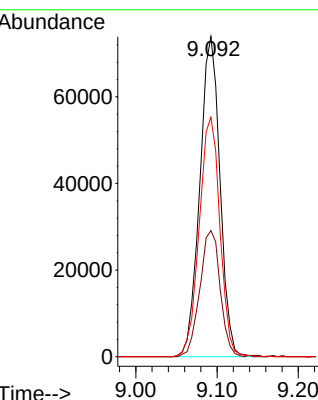
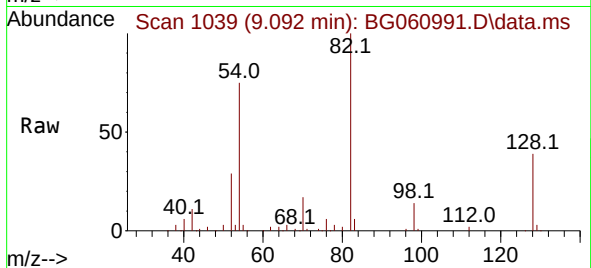
54 74.8 62.3 93.5

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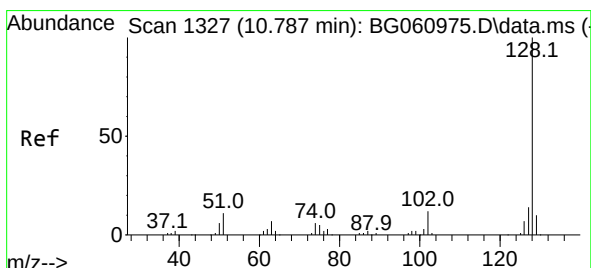
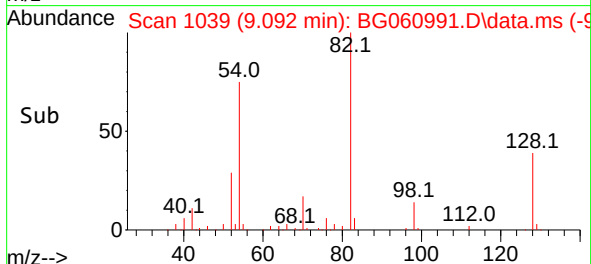
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#31

Naphthalene

Concen: 2.072 ng

RT: 10.784 min Scan# 1327

Delta R.T. -0.002 min

Lab File: BG060991.D

Acq: 22 Apr 2024 14:39

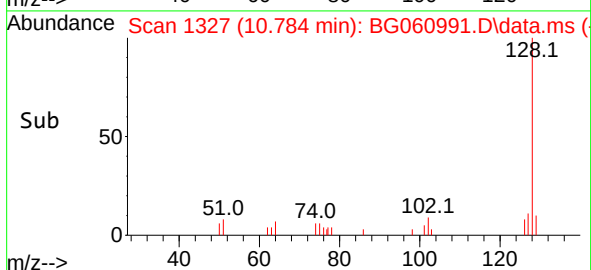
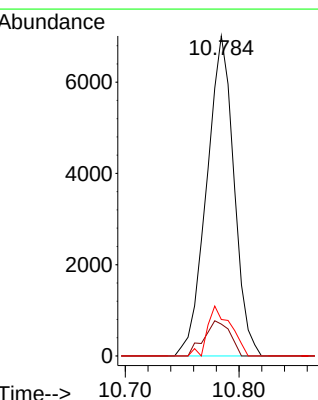
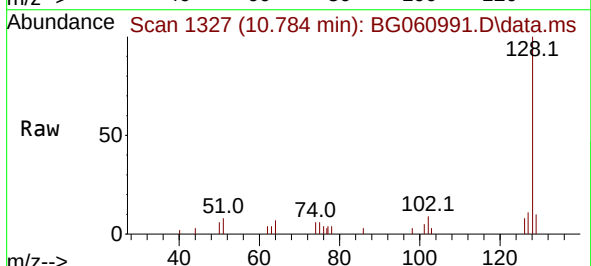
Tgt Ion:128 Resp: 11690

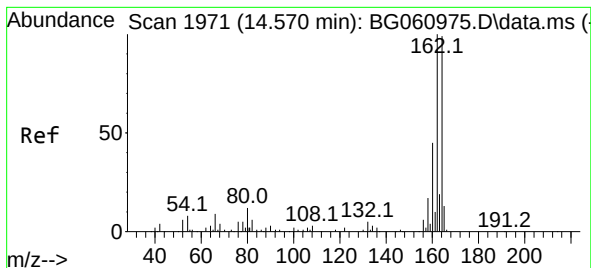
Ion Ratio Lower Upper

128 100

129 10.0 8.2 12.4

127 11.4 11.4 17.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.568 min Scan# 1971

Delta R.T. -0.002 min

Lab File: BG060991.D

Acq: 22 Apr 2024 14:39

Instrument :

BNA_G

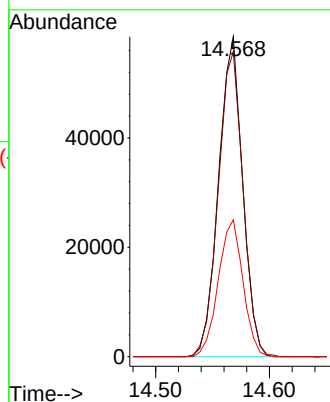
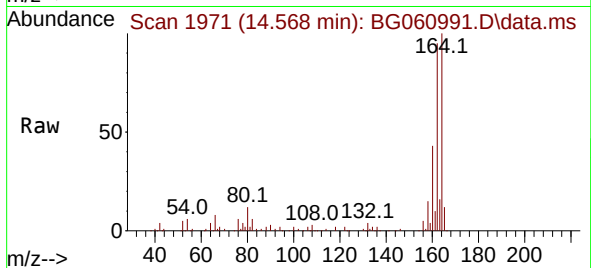
ClientSampleId :

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Tgt Ion:164	Resp:	85810
Ion Ratio	Lower	Upper
164	100	
162	95.4	81.2 121.8
160	42.7	36.2 54.2

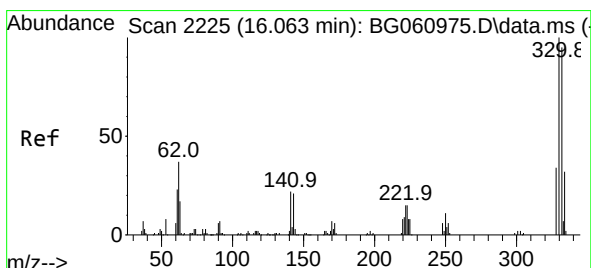
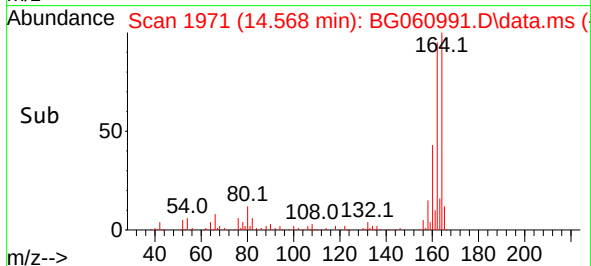
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#42

2,4,6-Tribromophenol

Concen: 75.091 ng

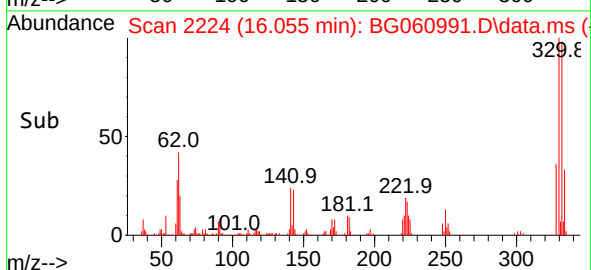
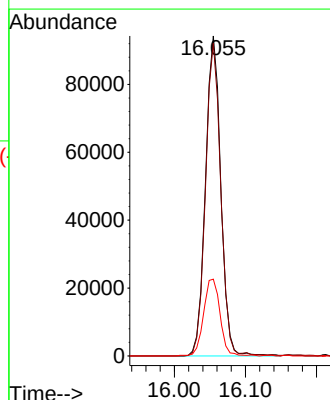
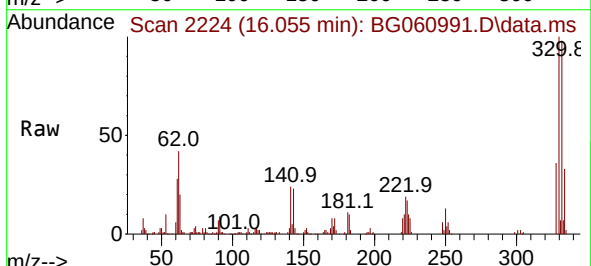
RT: 16.055 min Scan# 2224

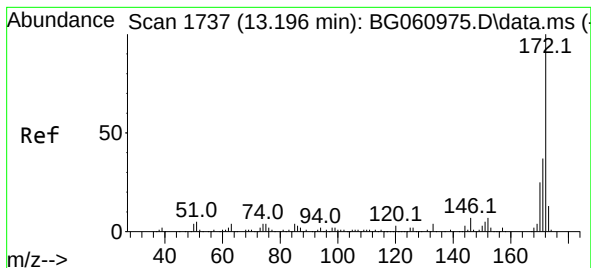
Delta R.T. -0.008 min

Lab File: BG060991.D

Acq: 22 Apr 2024 14:39

Tgt Ion:330	Resp:	141505
Ion Ratio	Lower	Upper
330	100	
332	97.3	77.1 115.7
141	25.8	20.6 31.0





#45

2-Fluorobiphenyl

Concen: 53.492 ng

RT: 13.188 min Scan# 1736

Delta R.T. -0.008 min

Lab File: BG060991.D

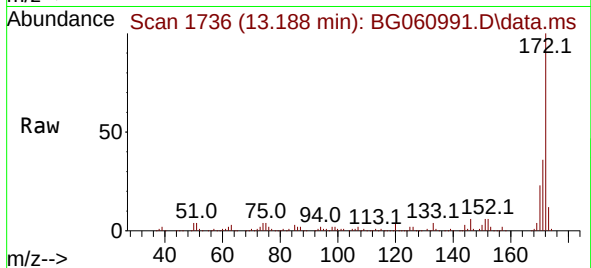
Acq: 22 Apr 2024 14:39

Instrument :

BNA_G

ClientSampleId :

SP-2-FRONT

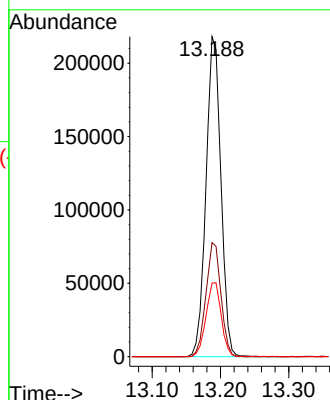


Tgt Ion:172 Resp: 331678

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.3	43.9
170	23.0	20.1	30.1

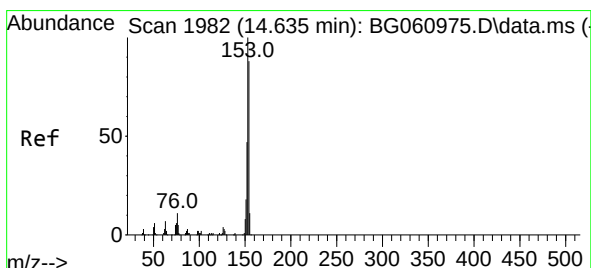
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#52

Acenaphthene

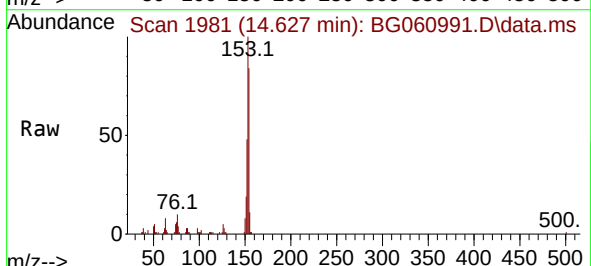
Concen: 8.449 ng

RT: 14.627 min Scan# 1981

Delta R.T. -0.008 min

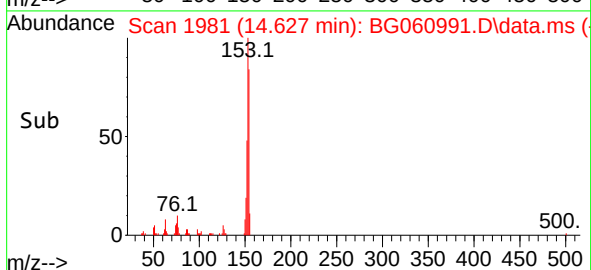
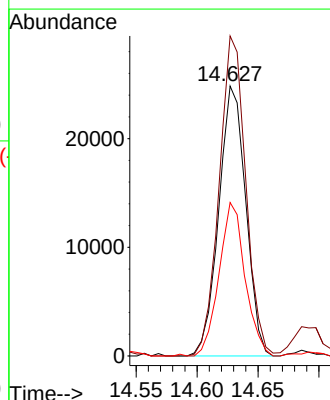
Lab File: BG060991.D

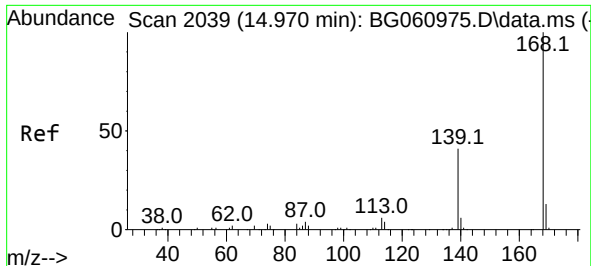
Acq: 22 Apr 2024 14:39



Tgt Ion:154 Resp: 38319

Ion	Ratio	Lower	Upper
154	100		
153	118.6	91.2	136.8
152	56.9	42.7	64.1





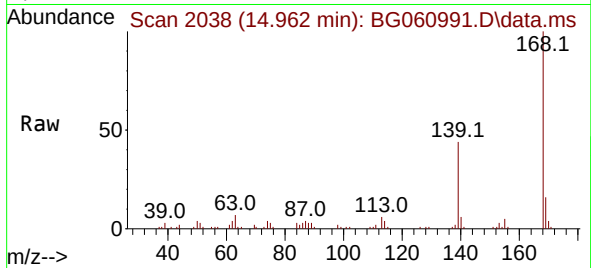
#55
Dibenzenofuran
Concen: 5.446 ng
RT: 14.962 min Scan# 2038
Delta R.T. -0.008 min
Lab File: BG060991.D
Acq: 22 Apr 2024 14:39

Instrument :

BNA_G

ClientSampleId :

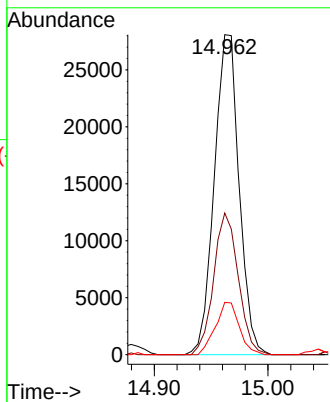
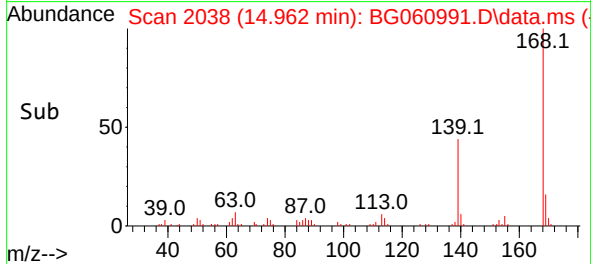
SP-2-FRONT



Tgt Ion:168 Resp: 42650
Ion Ratio Lower Upper
168 100
139 44.2 32.4 48.6
169 16.3 10.6 15.8

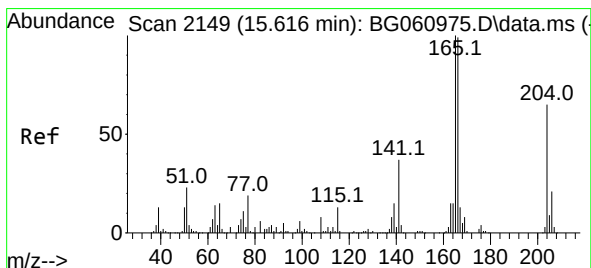
Manual Integrations
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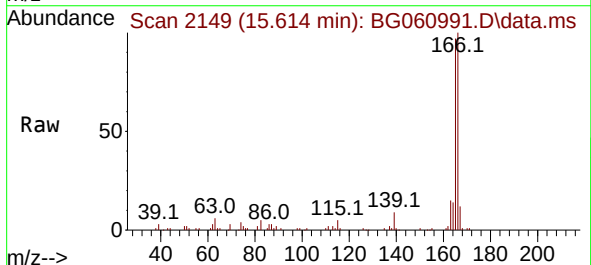


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ahmed

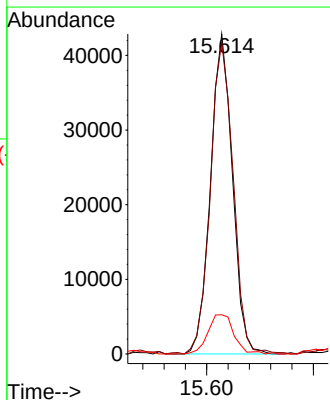
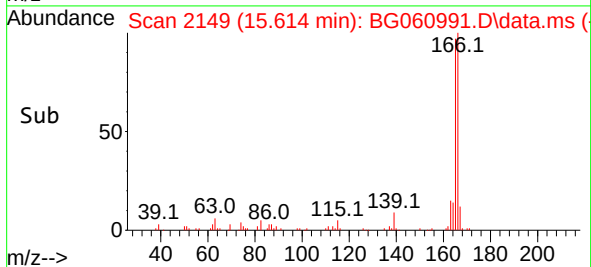
04/24/2024

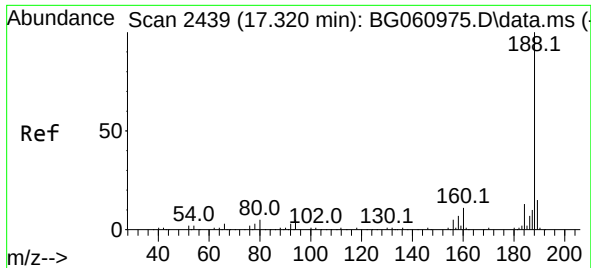


#58
Fluorene
Concen: 9.253 ng
RT: 15.614 min Scan# 2149
Delta R.T. -0.002 min
Lab File: BG060991.D
Acq: 22 Apr 2024 14:39



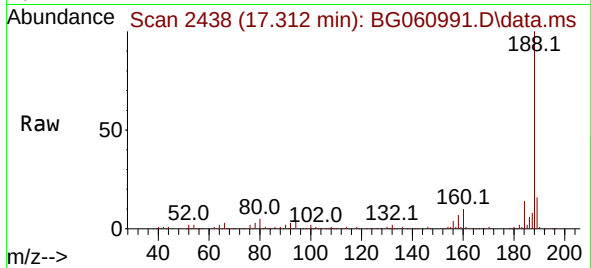
Tgt Ion:166 Resp: 61167
Ion Ratio Lower Upper
166 100
165 97.5 80.9 121.3
167 12.3 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.312 min Scan# 2438
Delta R.T. -0.008 min
Lab File: BG060991.D
Acq: 22 Apr 2024 14:39

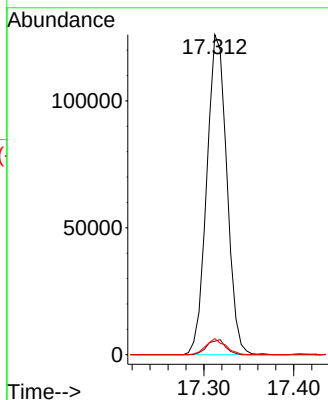
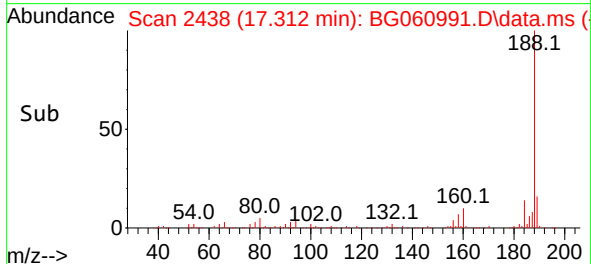
Instrument :
BNA_G
ClientSampleId :
SP-2-FRONT



Tgt Ion:188 Resp: 195836
Ion Ratio Lower Upper
188 100
94 4.2 4.1 6.1
80 5.0 4.0 6.0

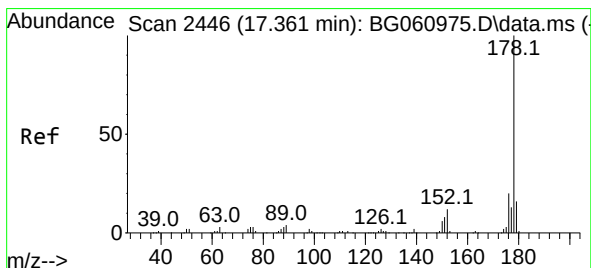
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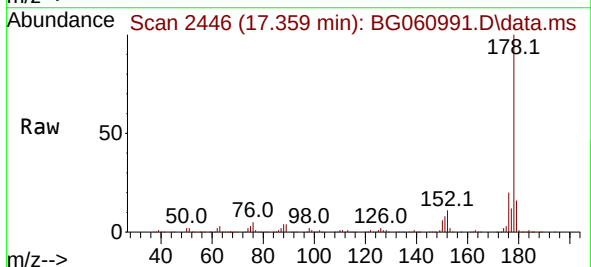


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Supervised By :mohammad
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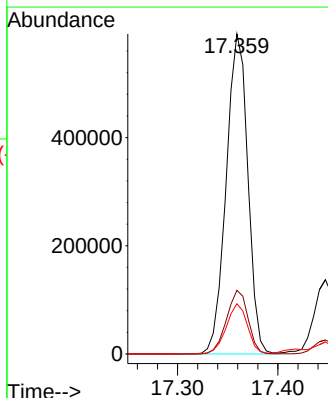
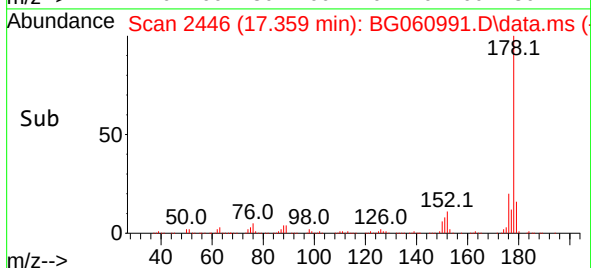
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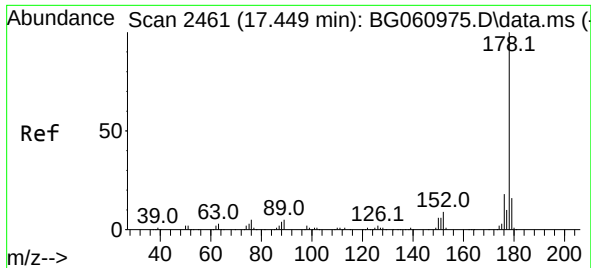


#71
Phenanthrene
Concen: 88.508 ng
RT: 17.359 min Scan# 2446
Delta R.T. -0.002 min
Lab File: BG060991.D
Acq: 22 Apr 2024 14:39



Tgt Ion:178 Resp: 884736
Ion Ratio Lower Upper
178 100
176 19.9 16.0 24.0
179 15.7 12.5 18.7





#72
 Anthracene
 Concen: 19.163 ng
 RT: 17.447 min Scan# 2461
 Delta R.T. -0.002 min
 Lab File: BG060991.D
 Acq: 22 Apr 2024 14:39

Instrument :

BNA_G

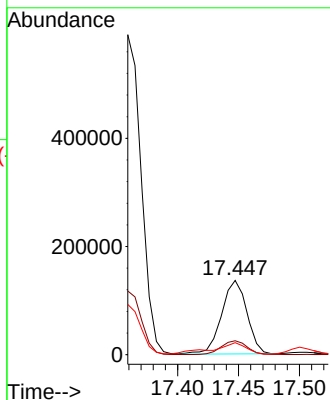
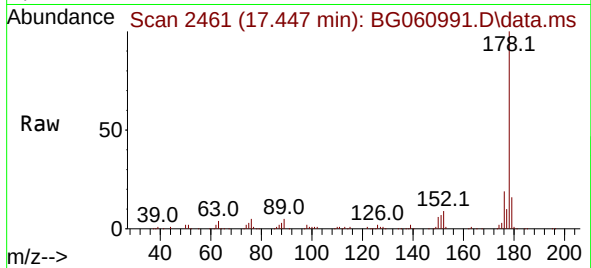
ClientSampleId :

SP-2-FRONT

Tgt Ion:178 Resp: 19728
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.7 22.1
 179 16.2 12.4 18.6

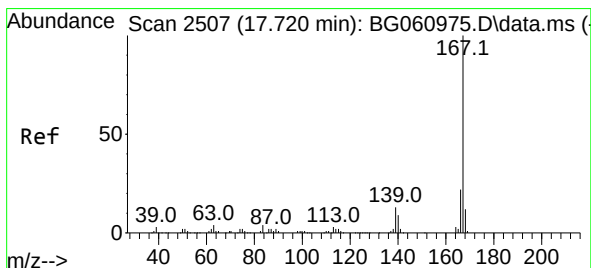
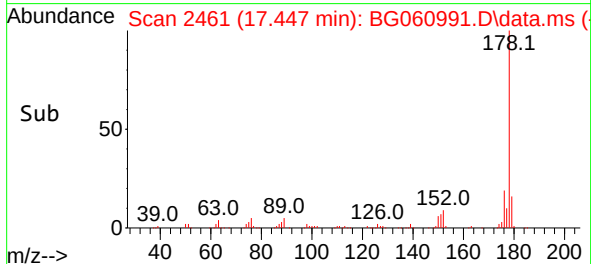
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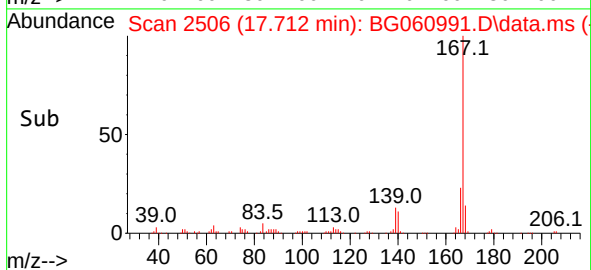
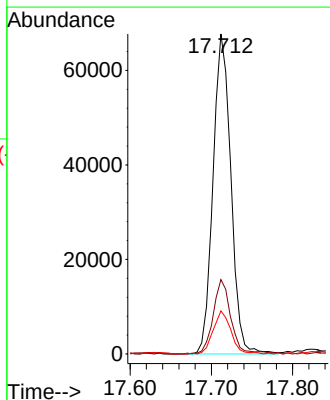
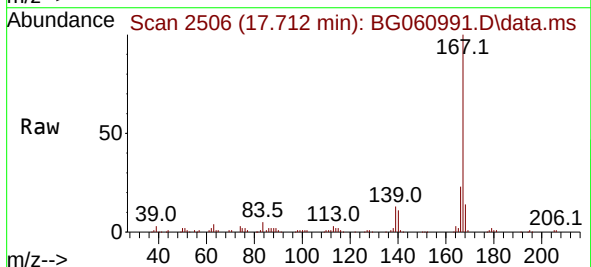
04/24/2024
 Supervised By :mohammad
 ahmed

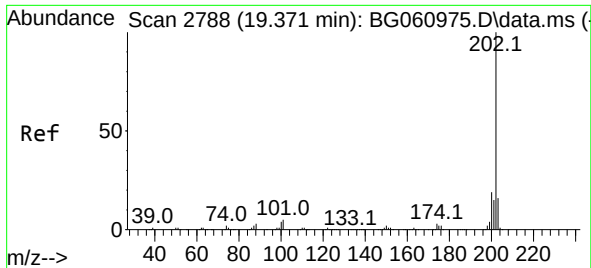
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#73
 Carbazole
 Concen: 12.107 ng
 RT: 17.712 min Scan# 2506
 Delta R.T. -0.008 min
 Lab File: BG060991.D
 Acq: 22 Apr 2024 14:39

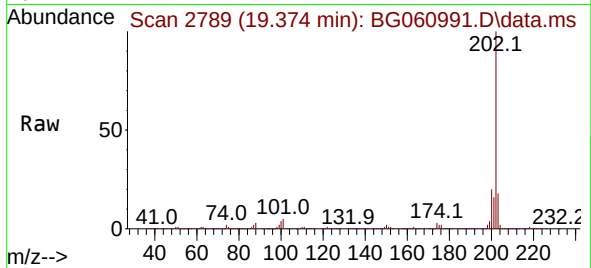
Tgt Ion:167 Resp: 103517
 Ion Ratio Lower Upper
 167 100
 166 23.2 17.8 26.8
 139 13.4 10.2 15.2





#75
Fluoranthene
Concen: 95.959 ng
RT: 19.374 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG060991.D
Acq: 22 Apr 2024 14:39

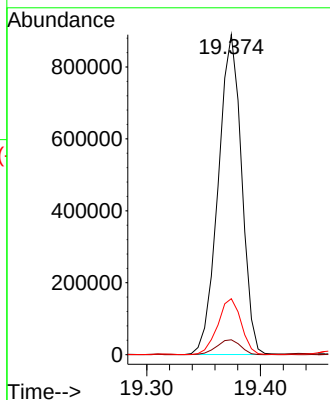
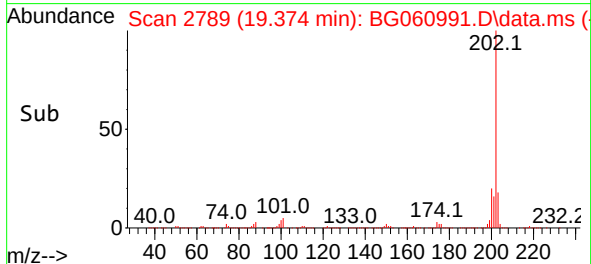
Instrument :
BNA_G
ClientSampleId :
SP-2-FRONT



Tgt Ion:202 Resp: 127300
Ion Ratio Lower Upper
202 100
101 4.7 0.0 24.9
203 17.5 0.0 36.2

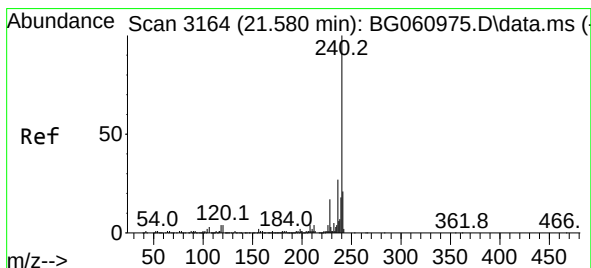
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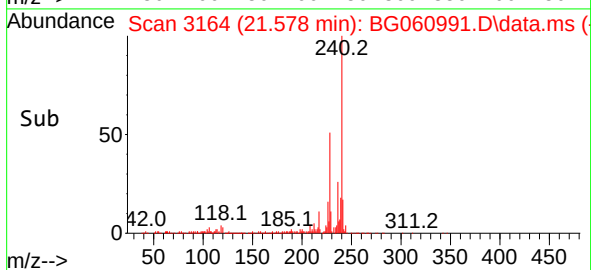
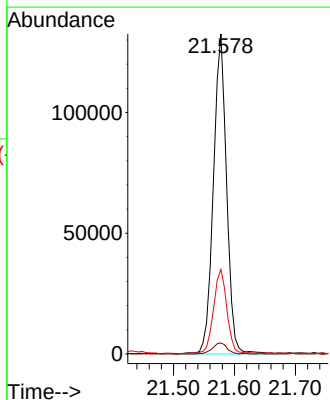
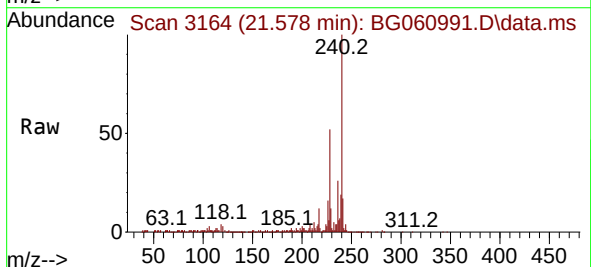
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Supervised By :mohammad
ahmed

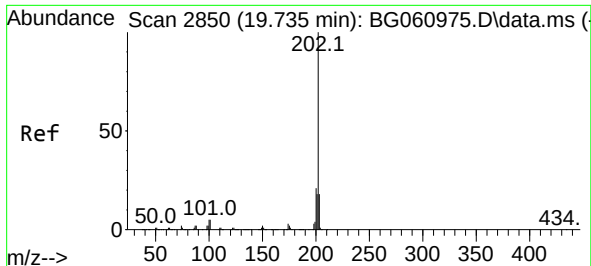
04/24/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.578 min Scan# 3164
Delta R.T. -0.002 min
Lab File: BG060991.D
Acq: 22 Apr 2024 14:39

Tgt Ion:240 Resp: 199526
Ion Ratio Lower Upper
240 100
120 3.4 3.0 4.6
236 26.4 21.8 32.6





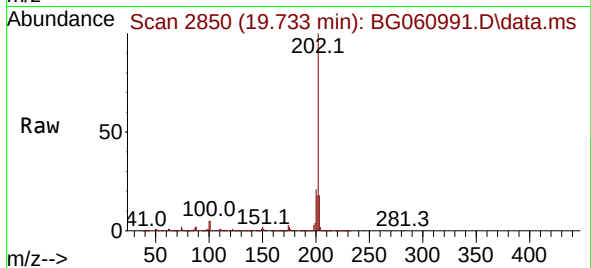
#78
 Pyrene
 Concen: 73.899 ng
 RT: 19.733 min Scan# 2850
 Delta R.T. -0.002 min
 Lab File: BG060991.D
 Acq: 22 Apr 2024 14:39

Instrument :

BNA_G

ClientSampleId :

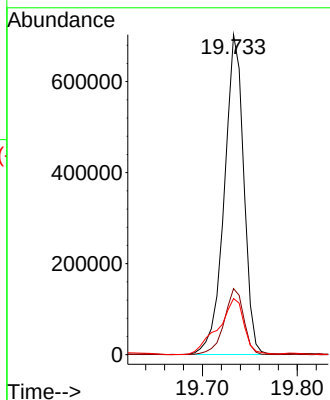
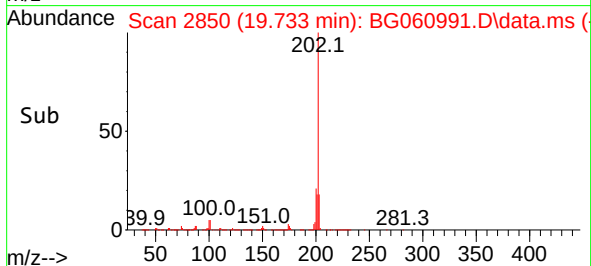
SP-2-FRONT



Tgt Ion:202 Resp: 1003969
 Ion Ratio Lower Upper
 202 100
 200 20.7 16.8 25.2
 203 17.6 14.2 21.2

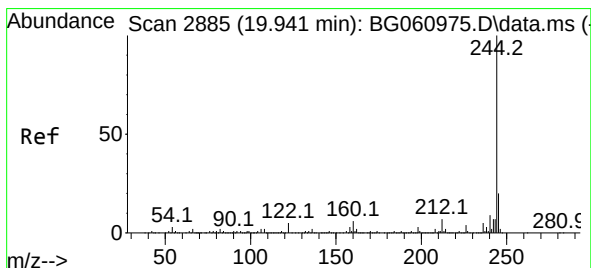
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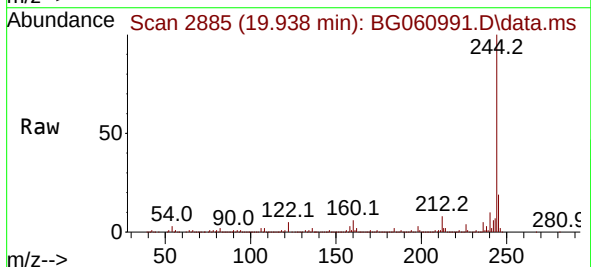


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 Supervised By :mohammad
 ahmed

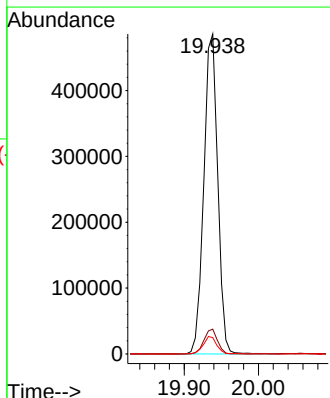
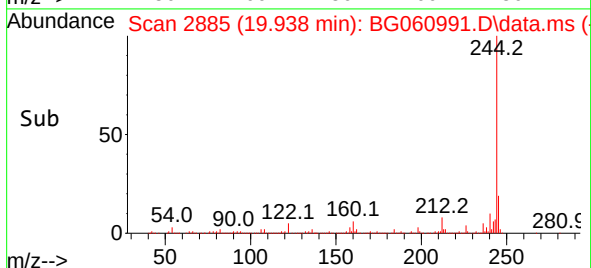
04/24/2024

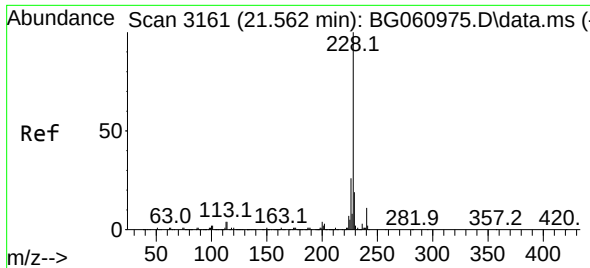


#79
 Terphenyl-d14
 Concen: 49.417 ng
 RT: 19.938 min Scan# 2885
 Delta R.T. -0.002 min
 Lab File: BG060991.D
 Acq: 22 Apr 2024 14:39



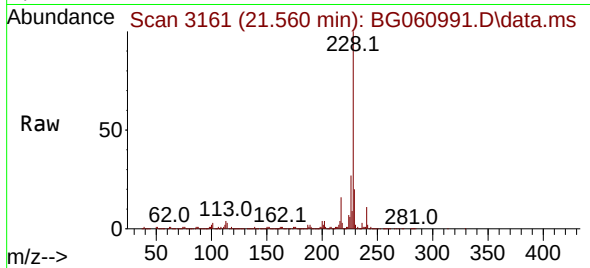
Tgt Ion:244 Resp: 635211
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.9 8.9
 122 5.1 4.2 6.2





#81
Benzo(a)anthracene
Concen: 42.568 ng
RT: 21.560 min Scan# 3161
Delta R.T. -0.002 min
Lab File: BG060991.D
Acq: 22 Apr 2024 14:39

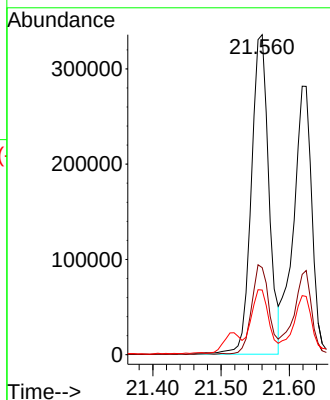
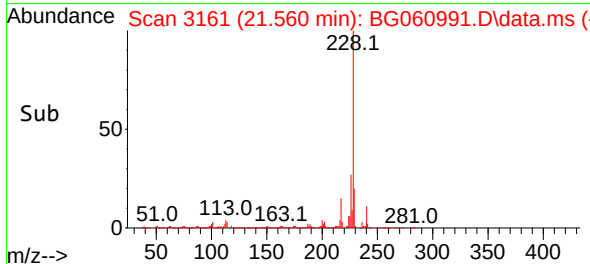
Instrument :
BNA_G
ClientSampleId :
SP-2-FRONT



Tgt Ion:228 Resp: 59713
Ion Ratio Lower Upper
228 100
226 27.2 21.0 31.4
229 20.2 15.0 22.4

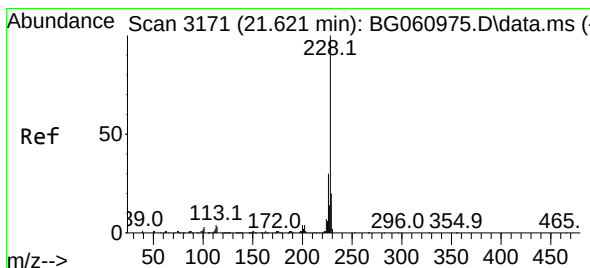
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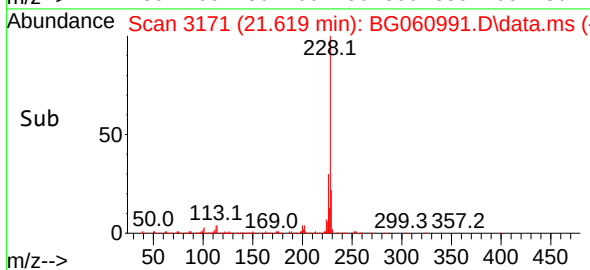
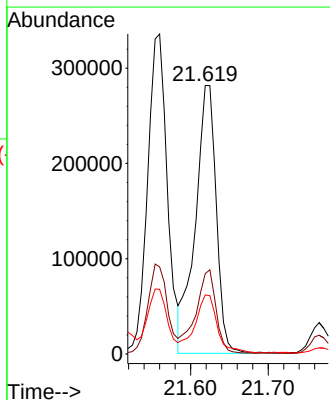
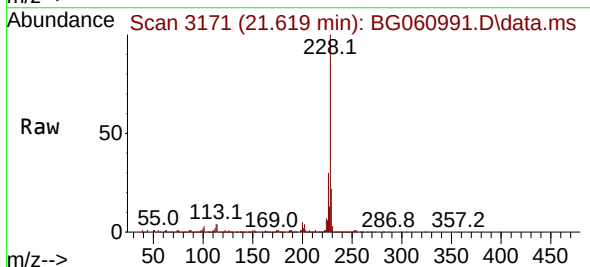
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Supervised By :mohammad
ahmed

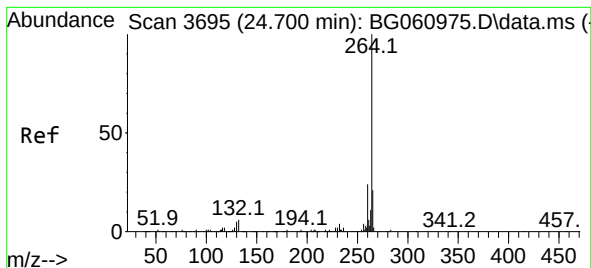
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#83
Chrysene
Concen: 39.686 ng
RT: 21.619 min Scan# 3171
Delta R.T. -0.002 min
Lab File: BG060991.D
Acq: 22 Apr 2024 14:39

Tgt Ion:228 Resp: 530027
Ion Ratio Lower Upper
228 100
226 29.9 24.2 36.2
229 22.0 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.698 min Scan# 3

Delta R.T. -0.002 min

Lab File: BG060991.D

Acq: 22 Apr 2024 14:39

Instrument :

BNA_G

ClientSampleId :

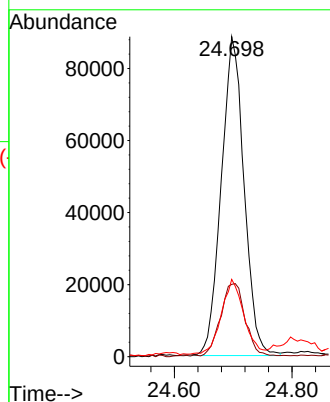
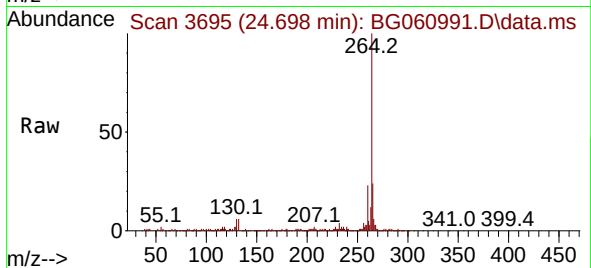
SP-2-FRONT

Tgt Ion:264 Resp: 23836

Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.4	29.2
265	24.1	17.0	25.4

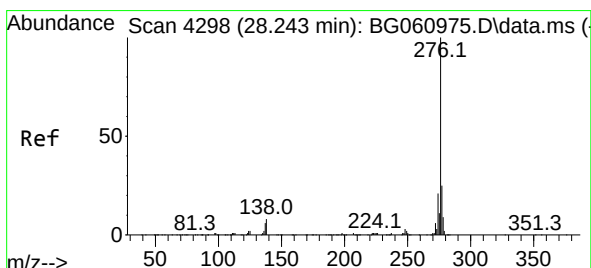
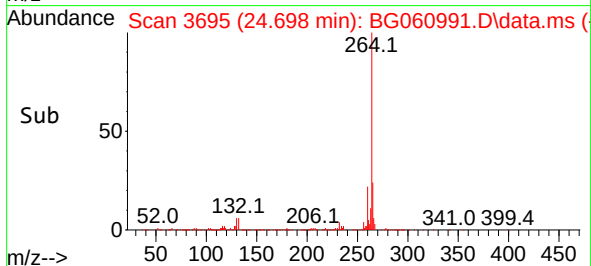
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#87

Indeno(1,2,3-cd)pyrene

Concen: 18.883 ng

RT: 28.235 min Scan# 4297

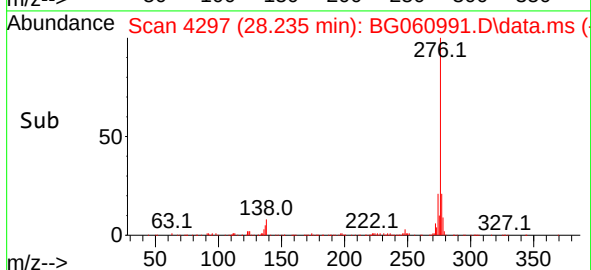
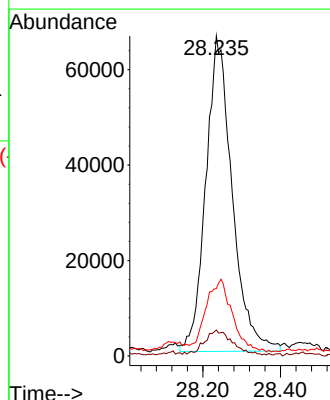
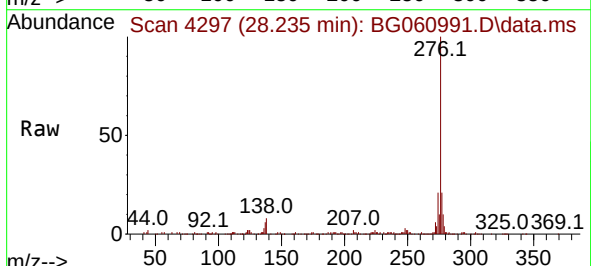
Delta R.T. -0.008 min

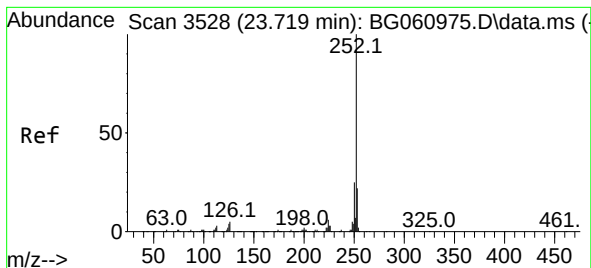
Lab File: BG060991.D

Acq: 22 Apr 2024 14:39

Tgt Ion:276 Resp: 312239

Ion	Ratio	Lower	Upper
276	100		
138	8.0	5.3	7.9#
277	23.1	20.6	30.8





#88

Benzo(b)fluoranthene

Concen: 48.746 ng

RT: 23.716 min Scan# 3

Delta R.T. -0.002 min

Lab File: BG060991.D

Acq: 22 Apr 2024 14:39

Instrument :

BNL_G

ClientSampleId :

SP-2-FRONT

Tgt Ion:252 Resp: 65846

Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

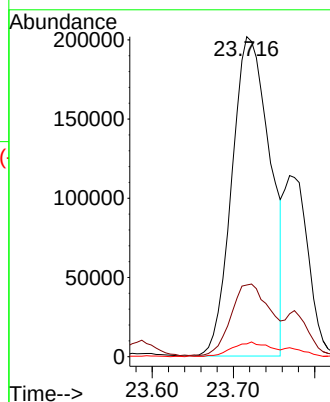
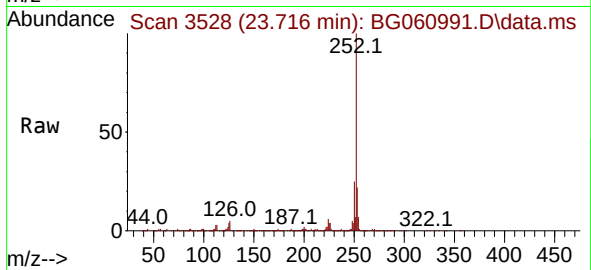
125 4.0 3.3 4.9

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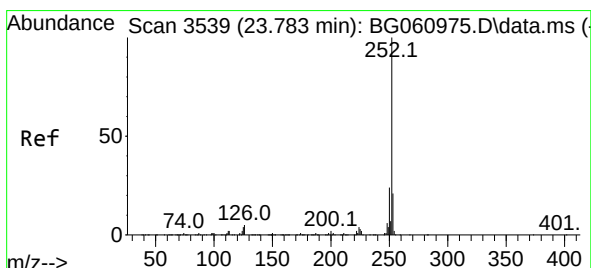
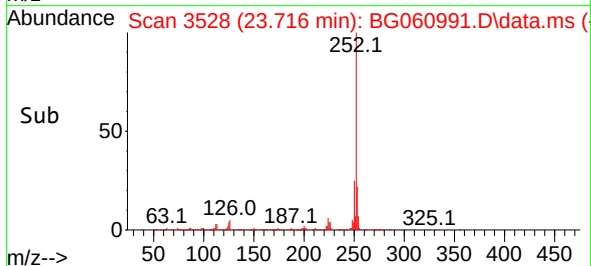
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ahmed

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#89

Benzo(k)fluoranthene

Concen: 17.088 ng m

RT: 23.769 min Scan# 3537

Delta R.T. -0.014 min

Lab File: BG060991.D

Acq: 22 Apr 2024 14:39

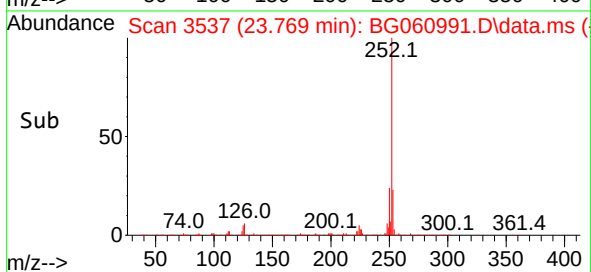
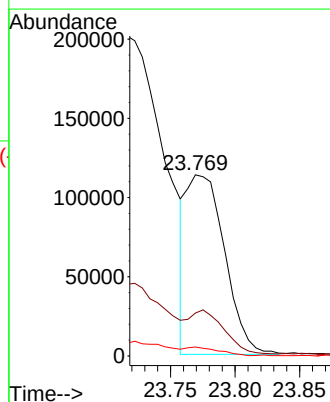
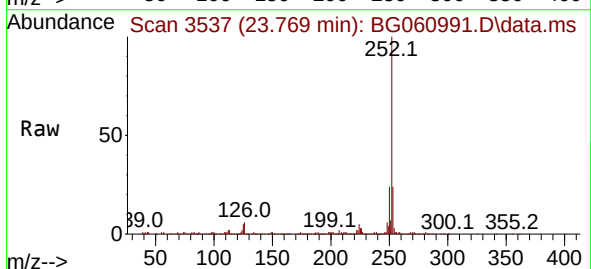
Tgt Ion:252 Resp: 233010

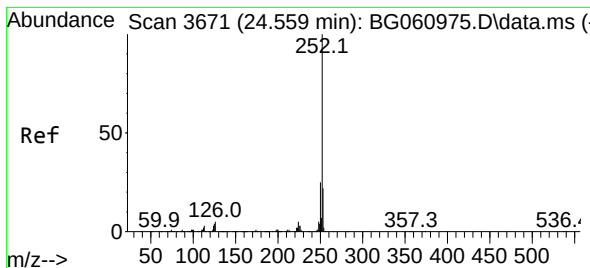
Ion Ratio Lower Upper

252 100

253 23.6 16.6 25.0

125 4.9 3.3 4.9#





#90

Benzo(a)pyrene

Concen: 34.611 ng

RT: 24.557 min Scan# 30

Delta R.T. -0.002 min

Lab File: BG060991.D

Acq: 22 Apr 2024 14:39

Instrument :

BNL_G

ClientSampleId :

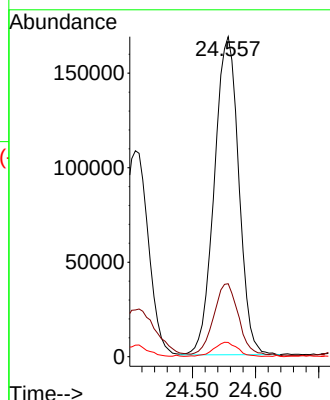
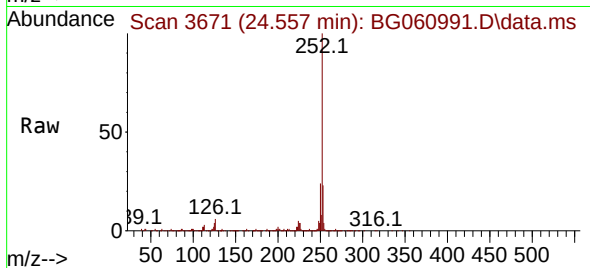
SP-2-FRONT

Tgt Ion:252 Resp: 452540

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.7	26.5
125	4.5	3.6	5.4

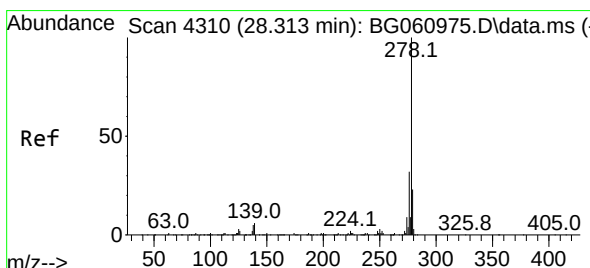
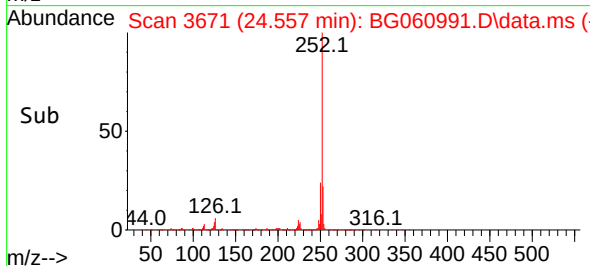
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#91

Dibenzo(a,h)anthracene

Concen: 5.802 ng

RT: 28.282 min Scan# 4305

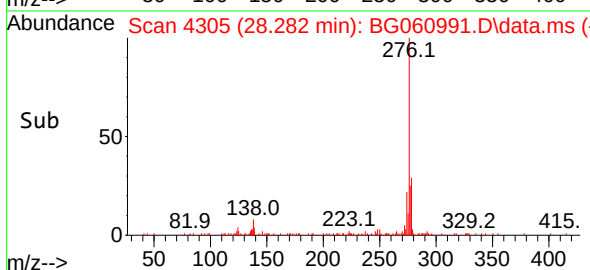
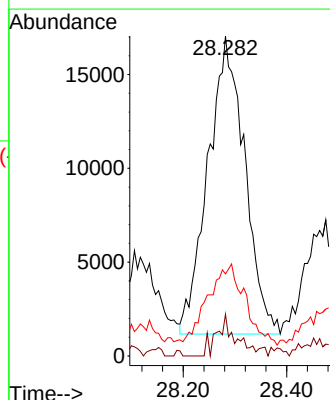
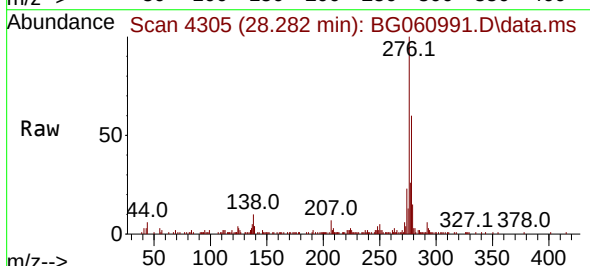
Delta R.T. -0.032 min

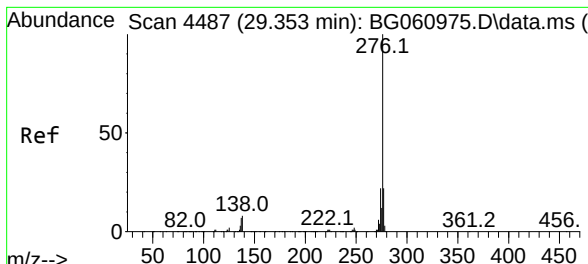
Lab File: BG060991.D

Acq: 22 Apr 2024 14:39

Tgt Ion:278 Resp: 78390

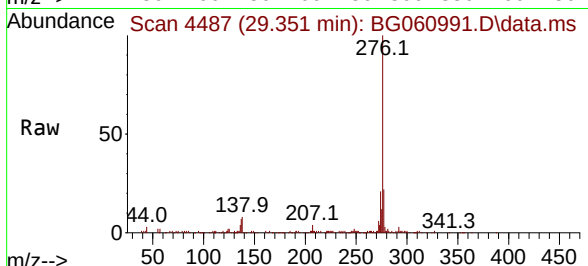
Ion	Ratio	Lower	Upper
278	100		
139	13.1	4.7	7.1#
279	25.7	18.2	27.4





#92
 Benzo(g,h,i)perylene
 Concen: 21.537 ng
 RT: 29.351 min Scan# 44
 Delta R.T. -0.002 min
 Lab File: BG060991.D
 Acq: 22 Apr 2024 14:39

Instrument :
 BNA_G
 ClientSampleId :
 SP-2-FRONT

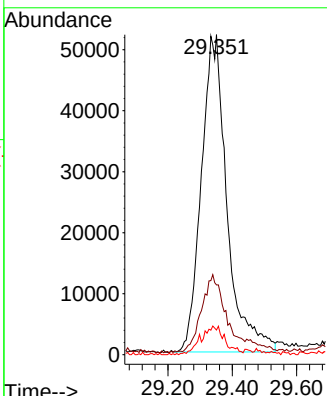
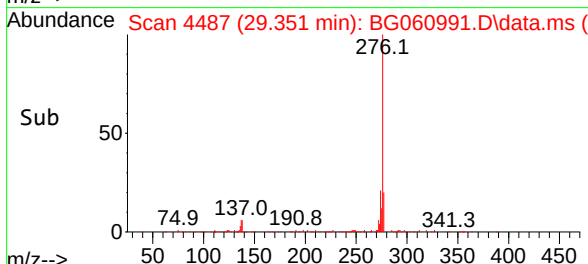


Tgt Ion: 276 Resp: 288494

Ion	Ratio	Lower	Upper
276	100		
277	21.8	18.0	27.0
138	7.7	6.5	9.7

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 Patel



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 Supervised By :mohammad
 ahmed

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