

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
 Data File : BG061035.D
 Acq On : 25 Apr 2024 13:03
 Operator : MA/JU
 Sample : P2127-04DL 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-2-BACKDL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/26/2024
 Supervised By :mohammad ahmed 04/27/2024

Quant Time: Apr 25 13:38:45 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	7.944	152	25361	20.000	ng	0.00
21) Naphthalene-d8	10.735	136	104117	20.000	ng	# 0.00
39) Acenaphthene-d10	14.571	164	87869	20.000	ng	0.00
64) Phenanthrene-d10	17.321	188	212323	20.000	ng	0.00
76) Chrysene-d12	21.581	240	205031	20.000	ng	0.00
86) Perylene-d12	24.712	264	197174	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.529	112	67809	54.083	ng	0.00
7) Phenol-d6	7.109	99	87480	47.025	ng	0.00
23) Nitrobenzene-d5	9.095	82	56126	24.220	ng	0.00
42) 2,4,6-Tribromophenol	16.058	330	80898	41.926	ng	0.00
45) 2-Fluorobiphenyl	13.190	172	173006	27.250	ng	0.00
79) Terphenyl-d14	19.936	244	347999	26.346	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.630	154	10123	2.180	ng	90
71) Phenanthrene	17.362	178	285237	26.319	ng	98
72) Anthracene	17.450	178	58493	5.240	ng	96
73) Carbazole	17.720	167	32955	3.555	ng	97
75) Fluoranthene	19.377	202	659648	45.863	ng	97
78) Pyrene	19.736	202	556709	39.878	ng	99
80) Butylbenzylphthalate	20.629	149	9968	2.142	ng	95
81) Benzo(a)anthracene	21.563	228	343445	23.826	ng	97
83) Chrysene	21.628	228	302479	22.040	ng	97
87) Indeno(1,2,3-cd)pyrene	28.255	276	132651m	9.698	ng	
88) Benzo(b)fluoranthene	23.731	252	346729	31.031	ng	99
89) Benzo(k)fluoranthene	23.784	252	178429m	15.819	ng	
90) Benzo(a)pyrene	24.560	252	250593	23.170	ng	96
91) Dibenzo(a,h)anthracene	28.290	278	32032	2.866	ng	# 86
92) Benzo(g,h,i)perylene	29.372	276	117879m	10.638	ng	

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

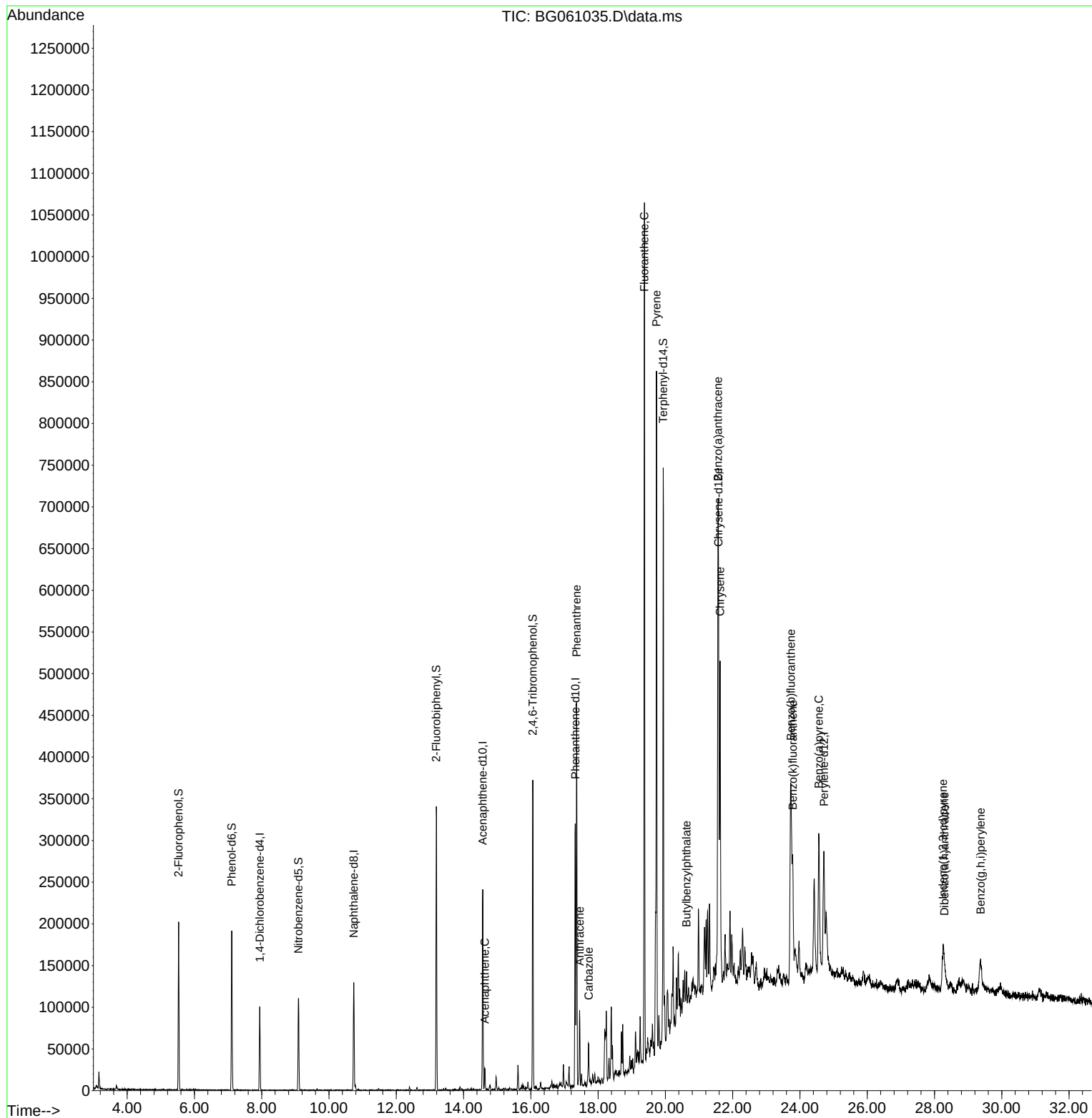
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
Data File : BG061035.D
Acq On : 25 Apr 2024 13:03
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ALS Vial : 5 Sample Multiplier: 1

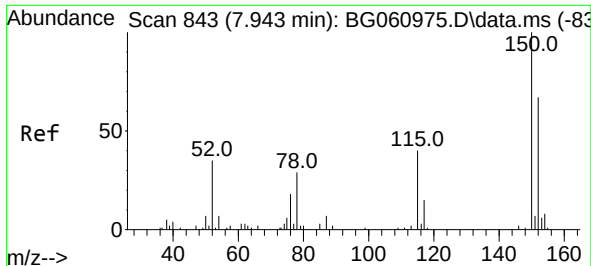
Instrument :
BNA_G
ClientSampleId :
SP-2-BACKDL

Quant Time: Apr 25 13:38:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
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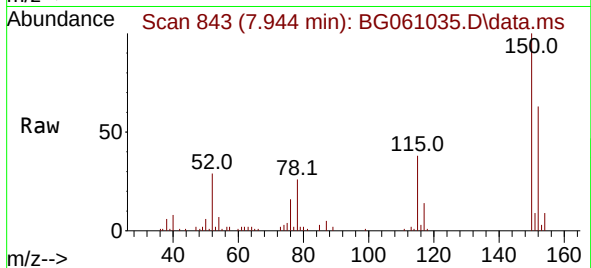
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.944 min Scan# 843
Delta R.T. 0.001 min
Lab File: BG061035.D
Acq: 25 Apr 2024 13:03

Instrument :

BNA_G

ClientSampleId :

SP-2-BACKDL



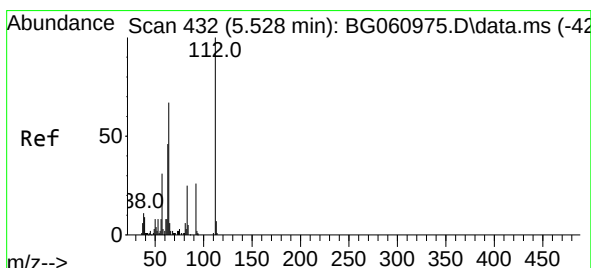
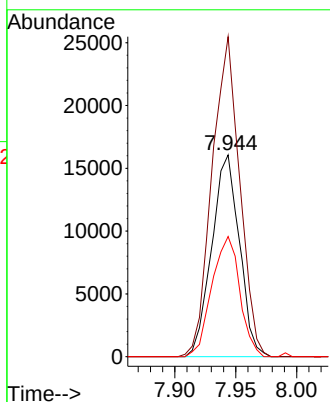
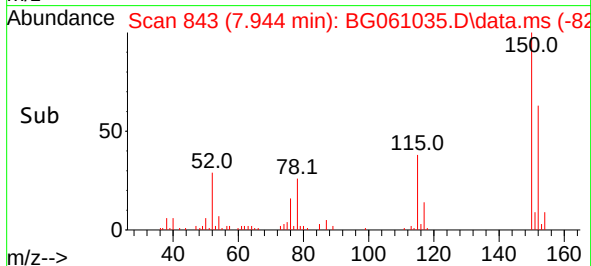
Tgt Ion:152 Resp: 2536
Ion Ratio Lower Upper
152 100
150 158.5 118.6 178.0
115 59.5 47.4 71.0

Manual Integrations

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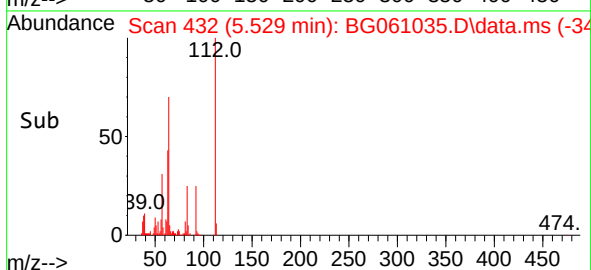
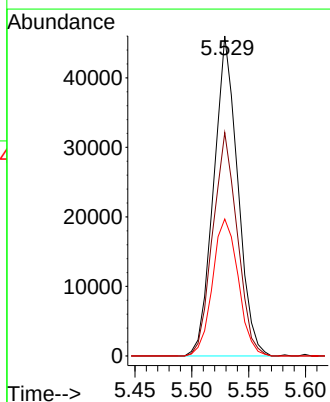
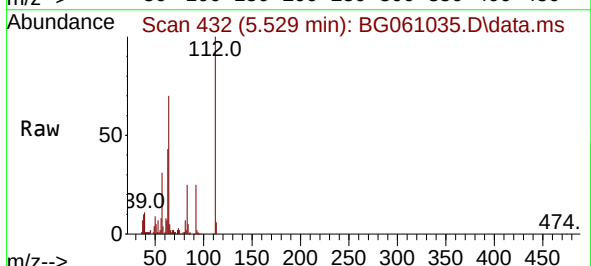
Reviewed By :Yogesh Patel 04/26/2024

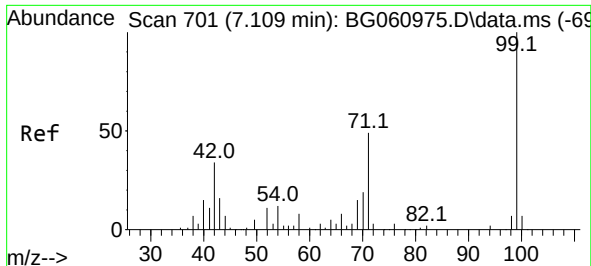
Supervised By :mohammad ahmed 04/27/2024



#5
2-Fluorophenol
Concen: 54.083 ng
RT: 5.529 min Scan# 432
Delta R.T. 0.001 min
Lab File: BG061035.D
Acq: 25 Apr 2024 13:03

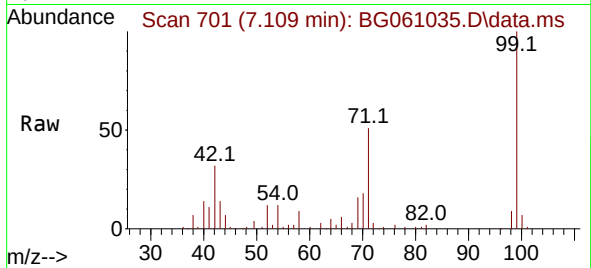
Tgt Ion:112 Resp: 67809
Ion Ratio Lower Upper
112 100
64 69.8 53.7 80.5
63 42.8 37.0 55.6





#7
Phenol-d6
Concen: 47.025 ng
RT: 7.109 min Scan# 701
Delta R.T. 0.001 min
Lab File: BG061035.D
Acq: 25 Apr 2024 13:03

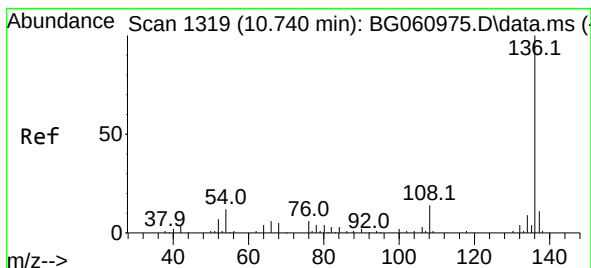
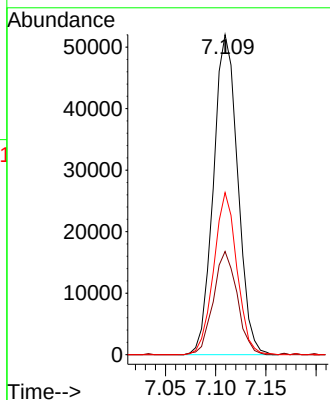
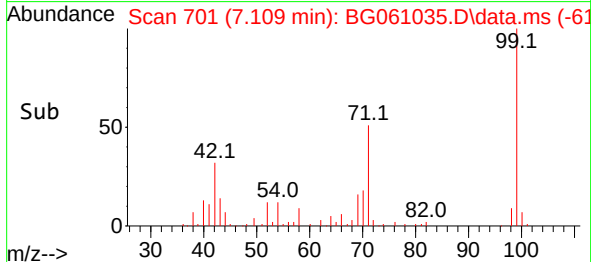
Instrument :
BNA_G
ClientSampleId :
SP-2-BACKDL



Tgt Ion: 99 Resp: 87480
Ion Ratio Lower Upper
99 100
42 32.2 27.2 40.8
71 50.6 38.8 58.2

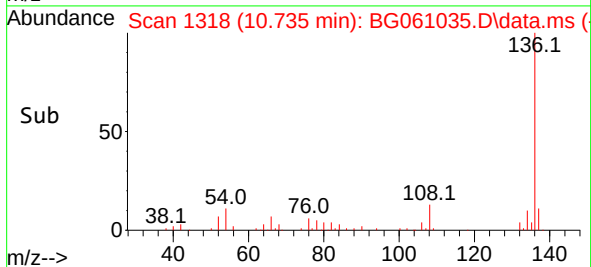
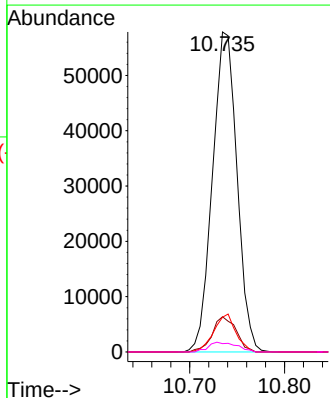
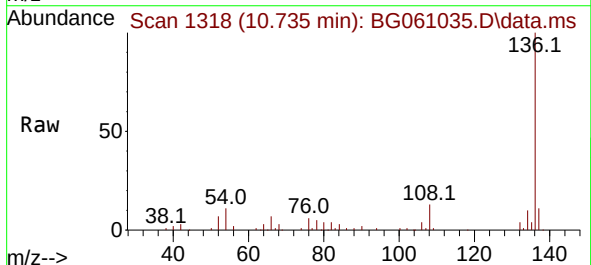
Manual Integrations
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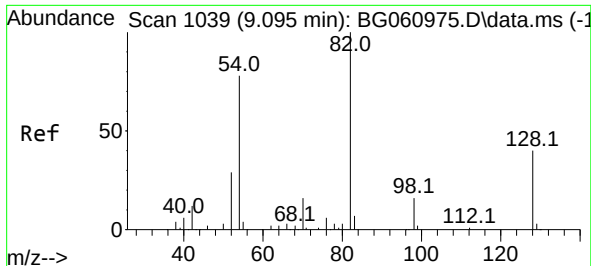
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.735 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BG061035.D
Acq: 25 Apr 2024 13:03

Tgt Ion:136 Resp: 104117
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 10.9 9.4 14.0
68 2.6 3.8 5.6#





#23

Nitrobenzene-d5

Concen: 24.220 ng

RT: 9.095 min Scan# 1039

Delta R.T. 0.001 min

Lab File: BG061035.D

Acq: 25 Apr 2024 13:03

Instrument :

BNA_G

ClientSampleId :

SP-2-BACKDL

Tgt Ion: 82 Resp: 56120

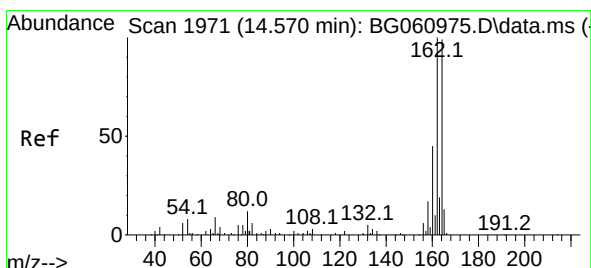
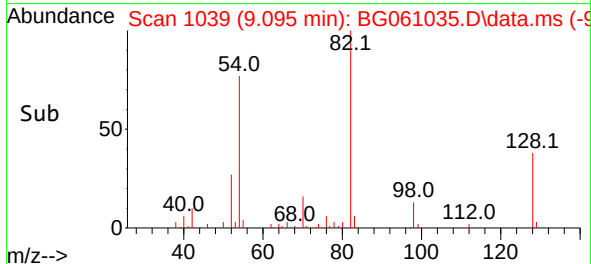
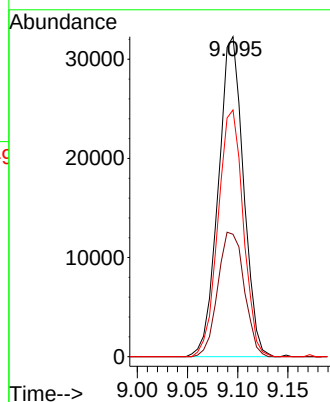
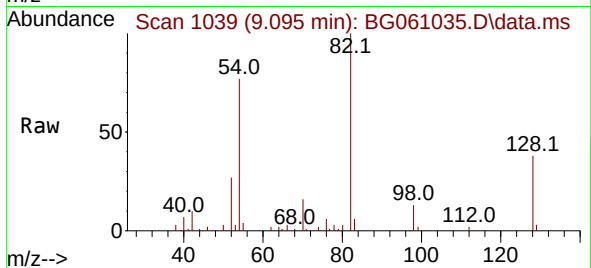
Ion	Ratio	Lower	Upper
82	100		
128	38.3	32.1	48.1
54	77.1	62.3	93.5

Manual Integrations

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Supervised By :mohammad ahmed 04/27/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.571 min Scan# 1971

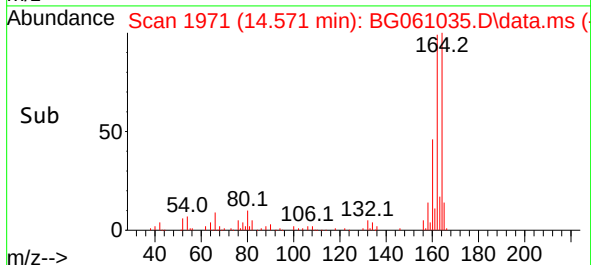
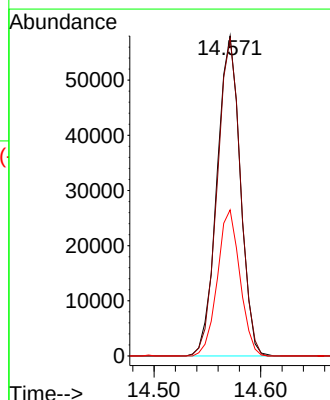
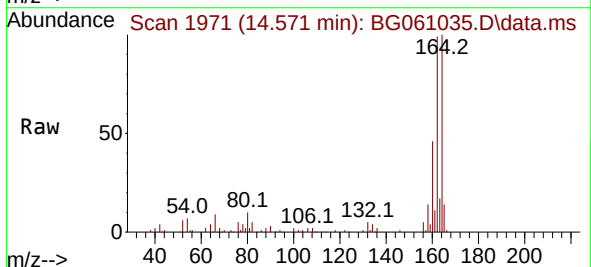
Delta R.T. 0.001 min

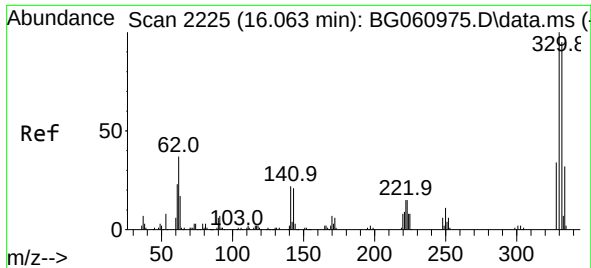
Lab File: BG061035.D

Acq: 25 Apr 2024 13:03

Tgt Ion:164 Resp: 87869

Ion	Ratio	Lower	Upper
164	100		
162	99.3	81.2	121.8
160	45.7	36.2	54.2





#42
2,4,6-Tribromophenol
Concen: 41.926 ng
RT: 16.058 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG061035.D
Acq: 25 Apr 2024 13:03

Instrument :

BNA_G

ClientSampleId :

SP-2-BACKDL

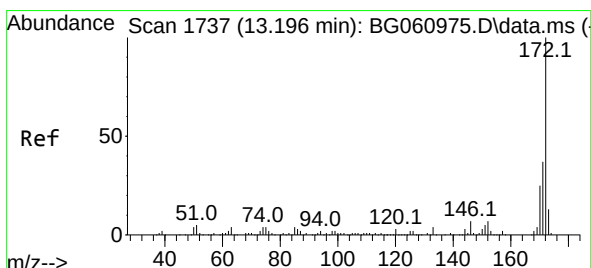
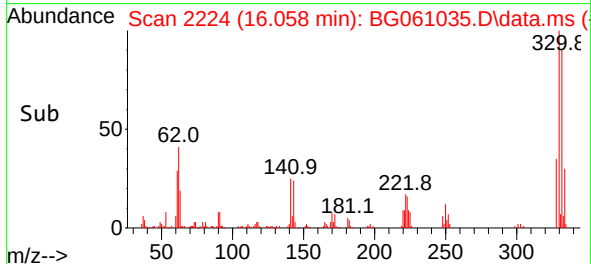
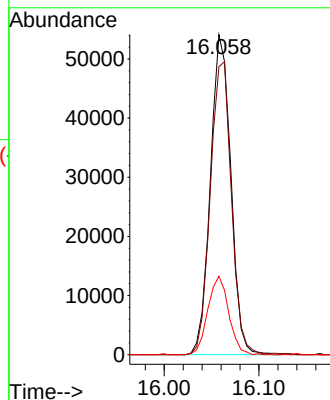
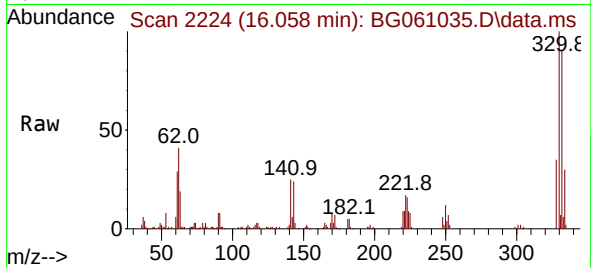
Tgt Ion:330 Resp: 80898
Ion Ratio Lower Upper
330 100
332 94.2 77.1 115.7
141 25.0 20.6 31.0

Manual Integrations

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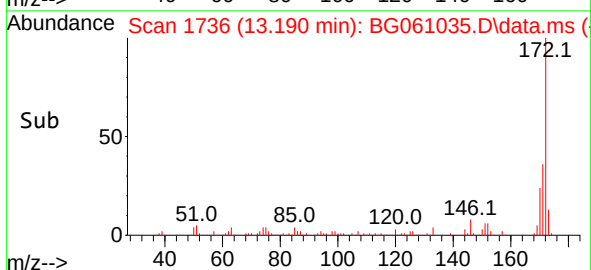
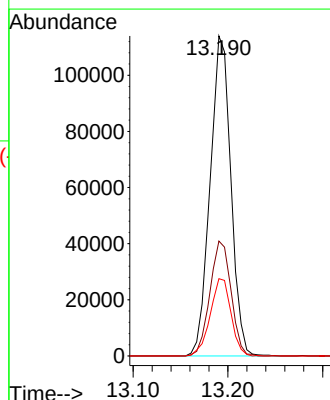
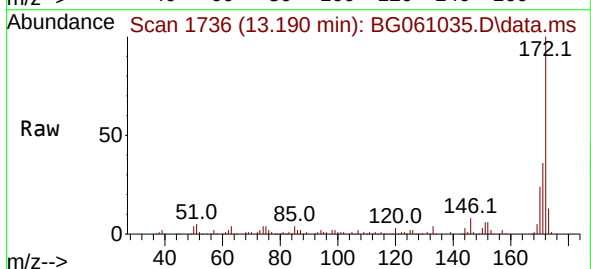
Reviewed By :Yogesh Patel 04/26/2024

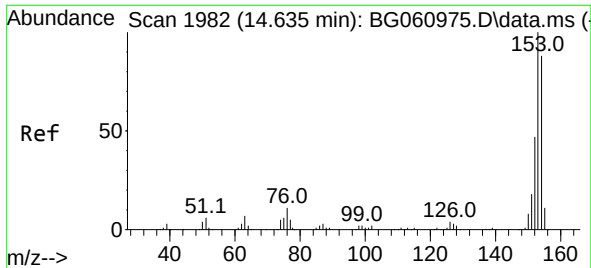
Supervised By :mohammad ahmed 04/27/2024



#45
2-Fluorobiphenyl
Concen: 27.250 ng
RT: 13.190 min Scan# 1736
Delta R.T. -0.005 min
Lab File: BG061035.D
Acq: 25 Apr 2024 13:03

Tgt Ion:172 Resp: 173006
Ion Ratio Lower Upper
172 100
171 35.9 29.3 43.9
170 24.1 20.1 30.1





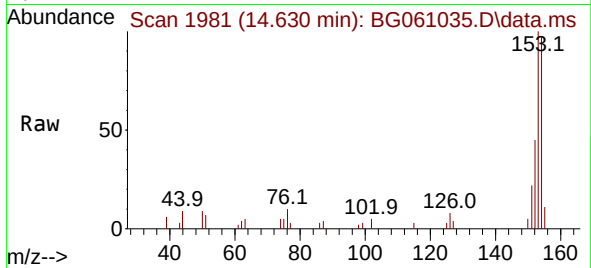
#52
Acenaphthene
Concen: 2.180 ng
RT: 14.630 min Scan# 1982
Delta R.T. -0.005 min
Lab File: BG061035.D
Acq: 25 Apr 2024 13:03

Instrument :

BNA_G

ClientSampleId :

SP-2-BACKDL

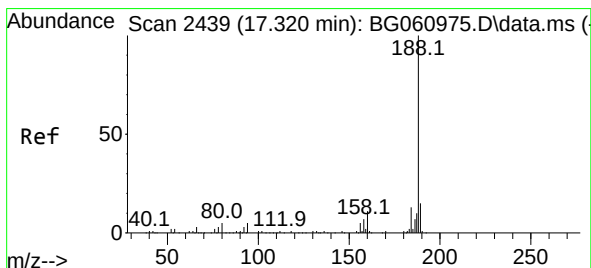
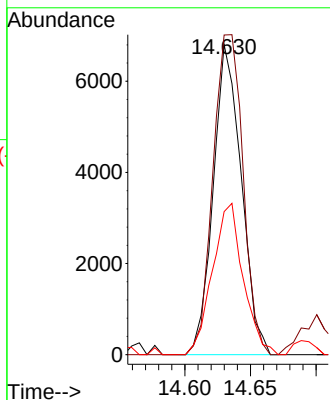
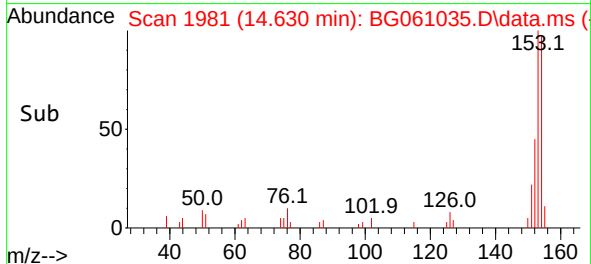


Tgt Ion:154 Resp: 1012
Ion Ratio Lower Upper
154 100
153 103.1 91.2 136.8
152 46.1 42.7 64.1

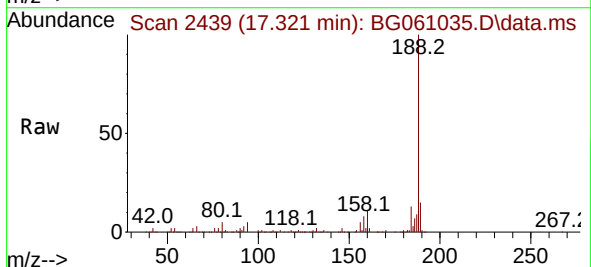
Manual Integrations

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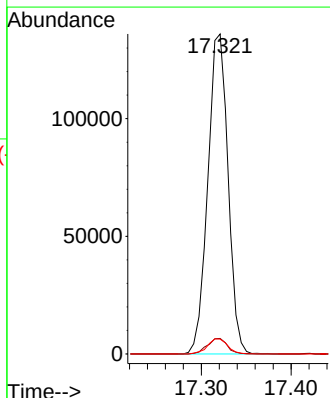
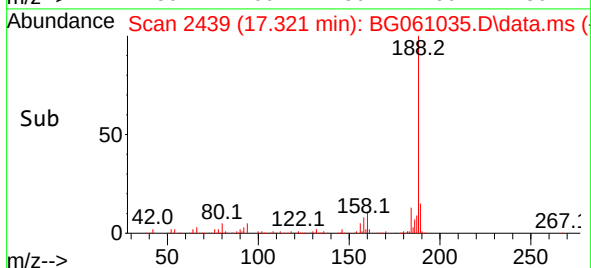
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

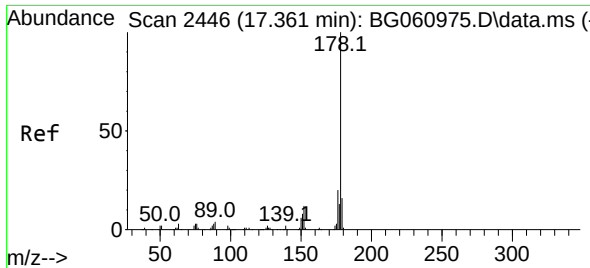


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.321 min Scan# 2439
Delta R.T. 0.001 min
Lab File: BG061035.D
Acq: 25 Apr 2024 13:03



Tgt Ion:188 Resp: 212323
Ion Ratio Lower Upper
188 100
94 4.9 4.1 6.1
80 4.6 4.0 6.0





#71
 Phenanthrene
 Concen: 26.319 ng
 RT: 17.362 min Scan# 2446
 Delta R.T. 0.001 min
 Lab File: BG061035.D
 Acq: 25 Apr 2024 13:03

Instrument :

BNA_G

ClientSampleId :

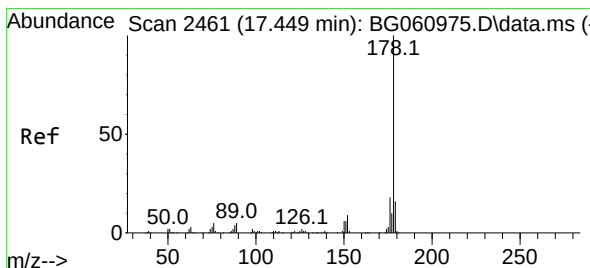
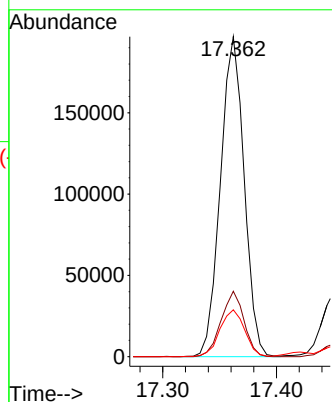
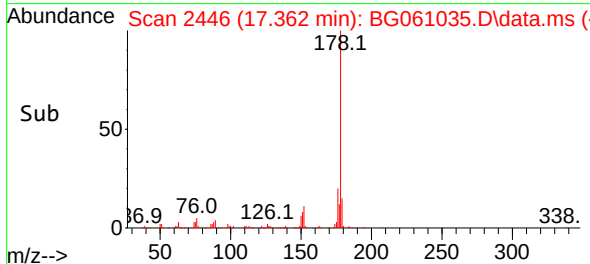
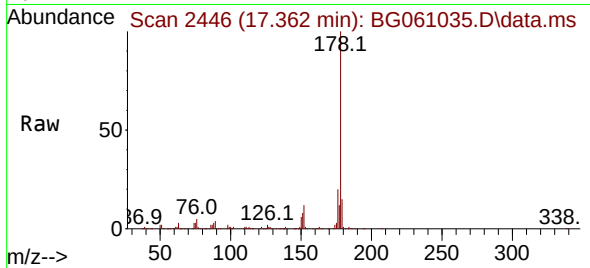
SP-2-BACKDL

Tgt Ion:178 Resp: 28523
 Ion Ratio Lower Upper
 178 100
 176 20.4 16.0 24.0
 179 14.6 12.5 18.7

Manual Integrations

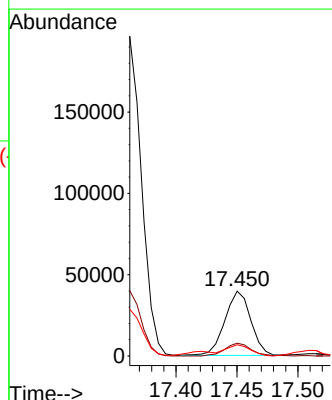
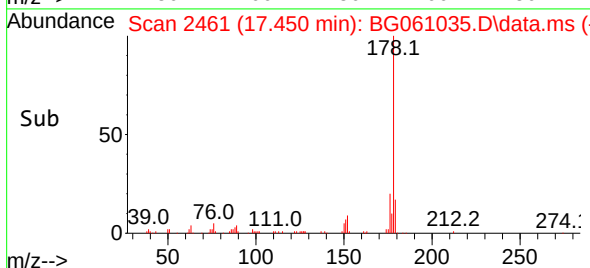
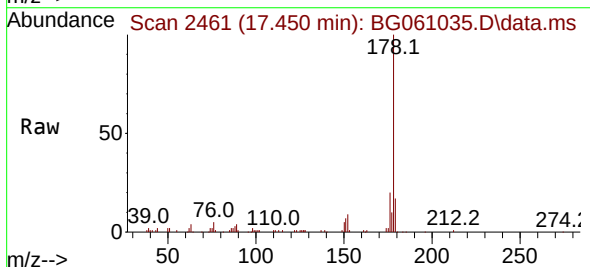
APPROVED

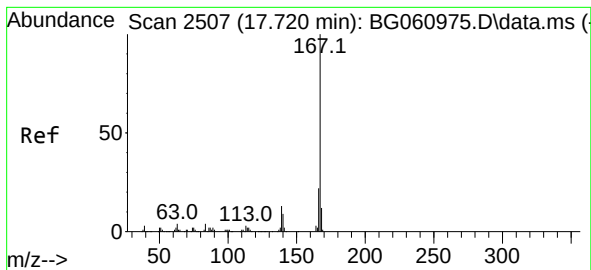
Reviewed By :Yogesh Patel 04/26/2024
 Supervised By :mohammad ahmed 04/27/2024



#72
 Anthracene
 Concen: 5.240 ng
 RT: 17.450 min Scan# 2461
 Delta R.T. 0.001 min
 Lab File: BG061035.D
 Acq: 25 Apr 2024 13:03

Tgt Ion:178 Resp: 58493
 Ion Ratio Lower Upper
 178 100
 176 19.8 14.7 22.1
 179 17.2 12.4 18.6





#73

Carbazole

Concen: 3.555 ng

RT: 17.720 min Scan# 21

Delta R.T. 0.001 min

Lab File: BG061035.D

Acq: 25 Apr 2024 13:03

Instrument :

BNA_G

ClientSampleId :

SP-2-BACKDL

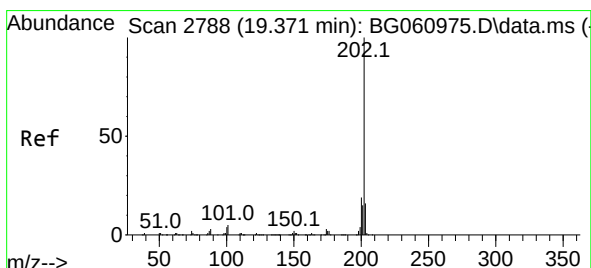
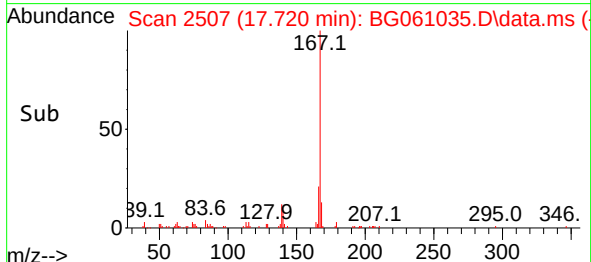
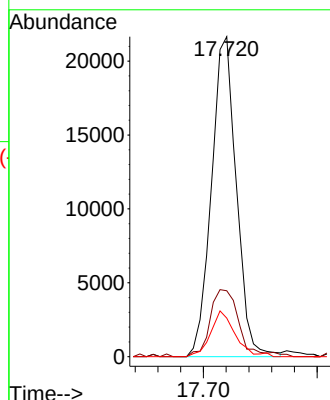
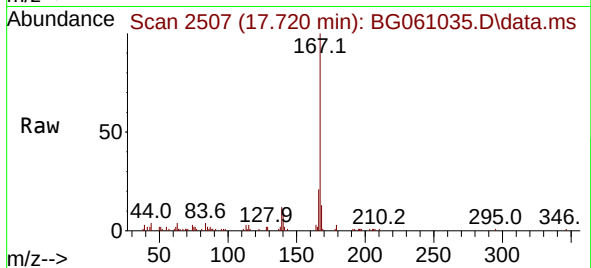
Tgt Ion:	167	Resp:	3295
Ion Ratio	Lower	Upper	
167	100		
166	20.6	17.8	26.8
139	12.0	10.2	15.2

Manual Integrations

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Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#75

Fluoranthene

Concen: 45.863 ng

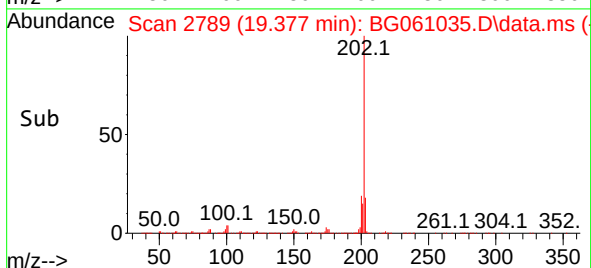
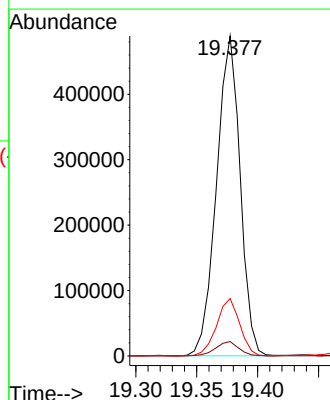
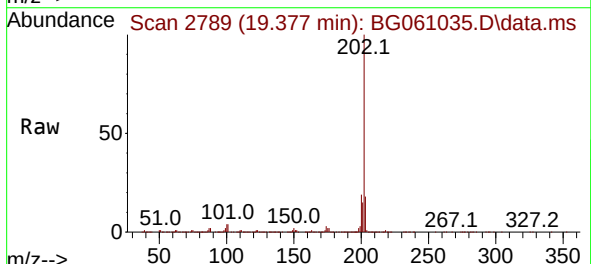
RT: 19.377 min Scan# 2789

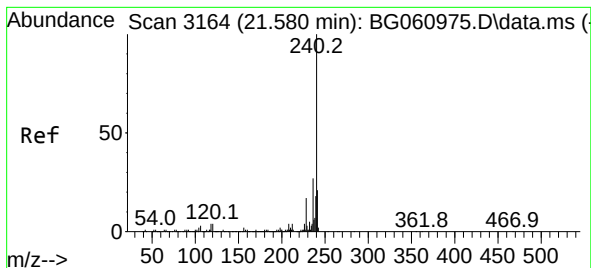
Delta R.T. 0.007 min

Lab File: BG061035.D

Acq: 25 Apr 2024 13:03

Tgt Ion:	202	Resp:	659648
Ion Ratio	Lower	Upper	
202	100		
101	4.5	0.0	24.9
203	18.0	0.0	36.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.581 min Scan# 3164

Delta R.T. 0.001 min

Lab File: BG061035.D

Acq: 25 Apr 2024 13:03

Instrument :

BNA_G

ClientSampleId :

SP-2-BACKDL

Tgt Ion:240 Resp: 20503

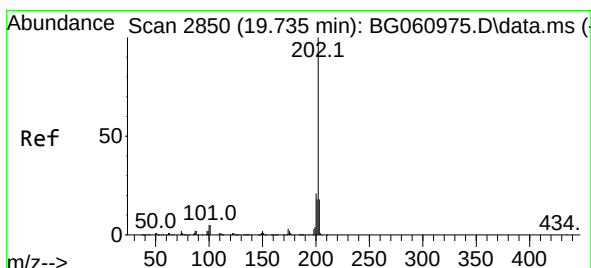
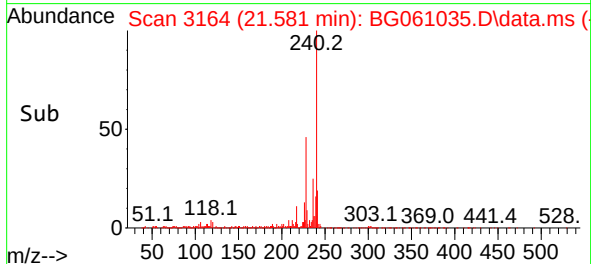
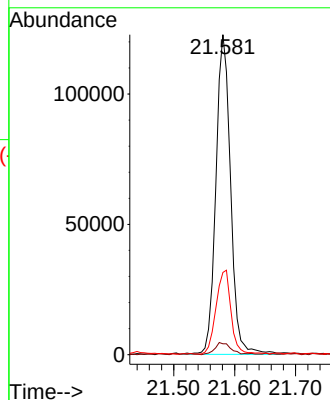
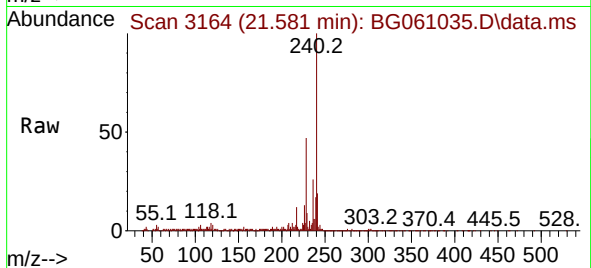
Ion	Ratio	Lower	Upper
240	100		
120	3.4	3.0	4.6
236	25.7	21.8	32.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#78

Pyrene

Concen: 39.878 ng

RT: 19.736 min Scan# 2850

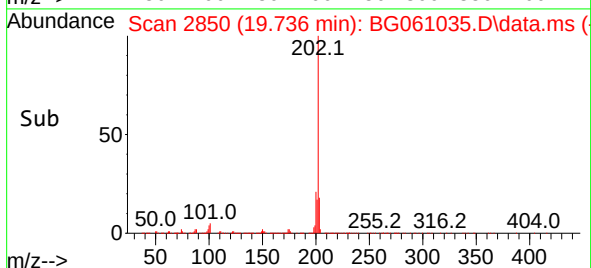
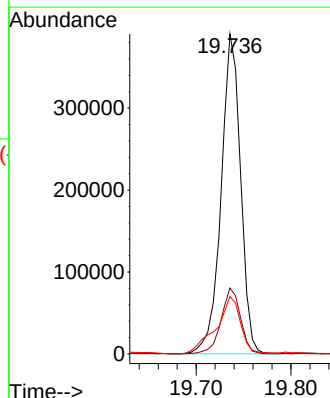
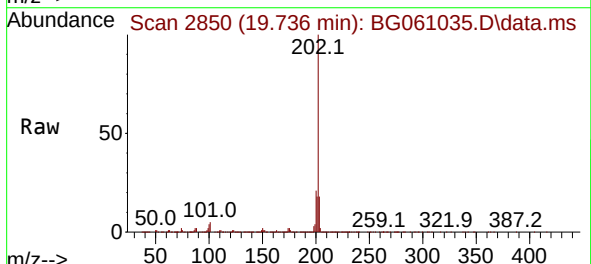
Delta R.T. 0.001 min

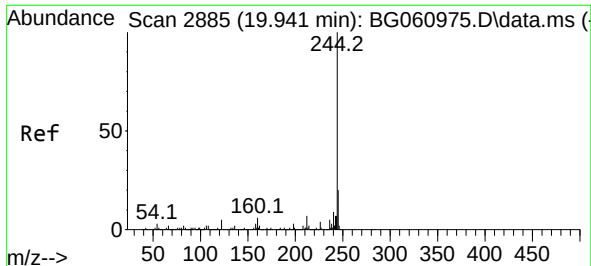
Lab File: BG061035.D

Acq: 25 Apr 2024 13:03

Tgt Ion:202 Resp: 556709

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.8	25.2
203	18.0	14.2	21.2





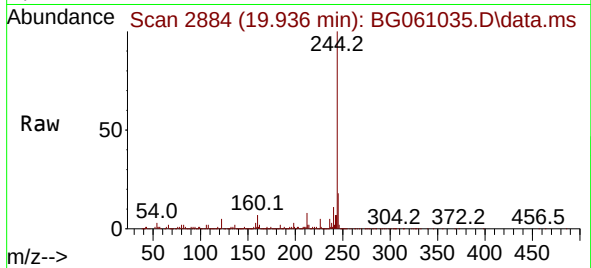
#79
 Terphenyl-d14
 Concen: 26.346 ng
 RT: 19.936 min Scan# 2884
 Delta R.T. -0.005 min
 Lab File: BG061035.D
 Acq: 25 Apr 2024 13:03

Instrument :

BNA_G

ClientSampleId :

SP-2-BACKDL

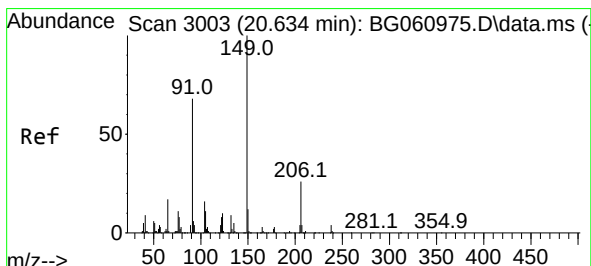
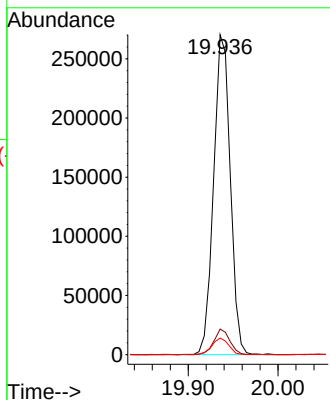
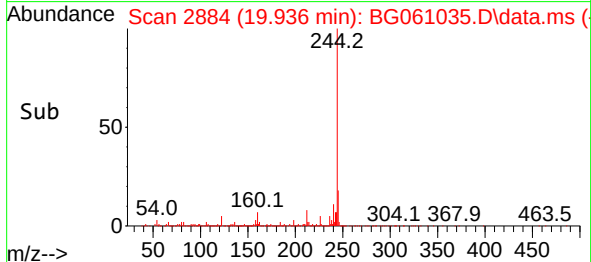


Tgt Ion:244 Resp: 347999
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.9 8.9
 122 5.2 4.2 6.2

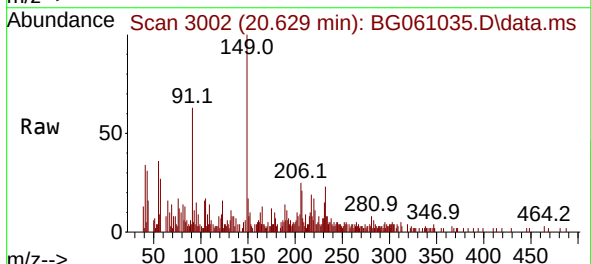
Manual Integrations

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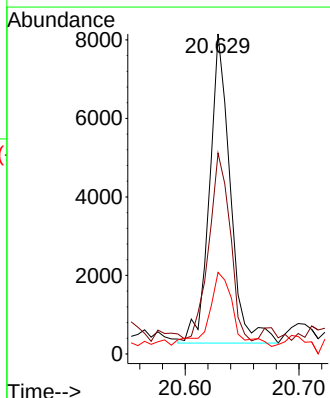
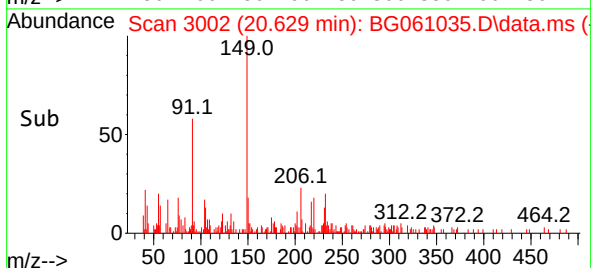
Reviewed By :Yogesh Patel 04/26/2024
 Supervised By :mohammad ahmed 04/27/2024

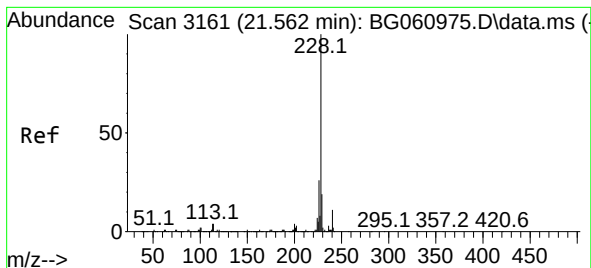


#80
 Butylbenzylphthalate
 Concen: 2.142 ng
 RT: 20.629 min Scan# 3002
 Delta R.T. -0.005 min
 Lab File: BG061035.D
 Acq: 25 Apr 2024 13:03



Tgt Ion:149 Resp: 9968
 Ion Ratio Lower Upper
 149 100
 91 62.8 54.4 81.6
 206 25.5 20.8 31.2





#81

Benzo(a)anthracene

Concen: 23.826 ng

RT: 21.563 min Scan# 3161

Delta R.T. 0.001 min

Lab File: BG061035.D

Acq: 25 Apr 2024 13:03

Instrument :

BNA_G

ClientSampleId :

SP-2-BACKDL

Tgt Ion:228 Resp: 34344

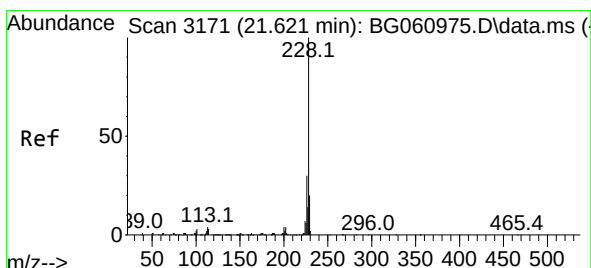
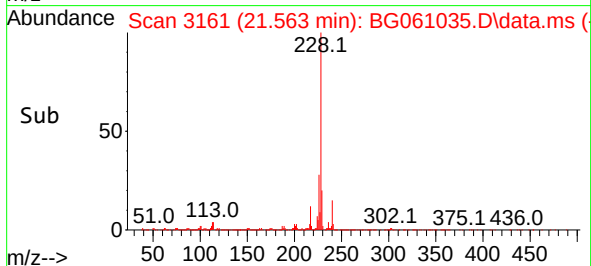
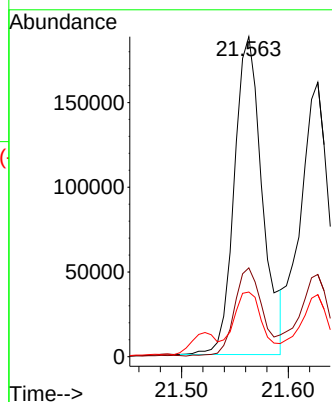
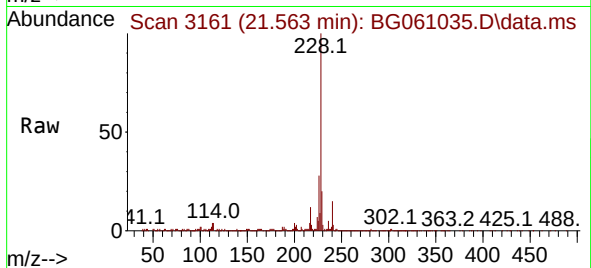
Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.0	31.4
229	20.2	15.0	22.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#83

Chrysene

Concen: 22.040 ng

RT: 21.628 min Scan# 3172

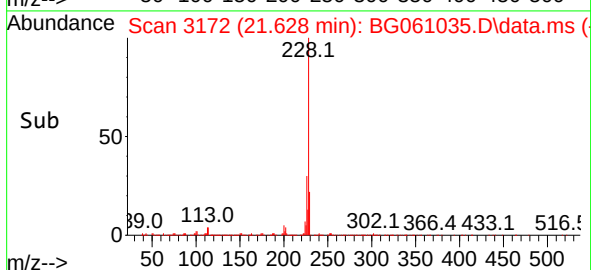
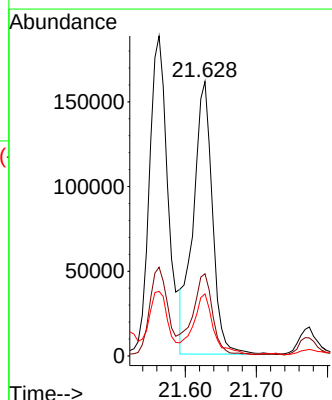
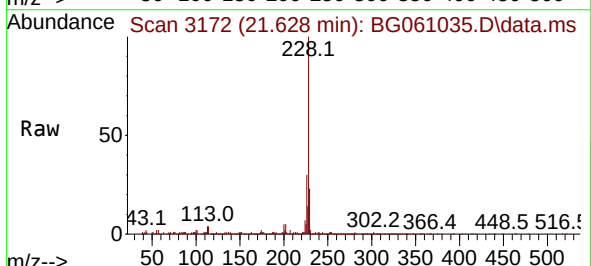
Delta R.T. 0.007 min

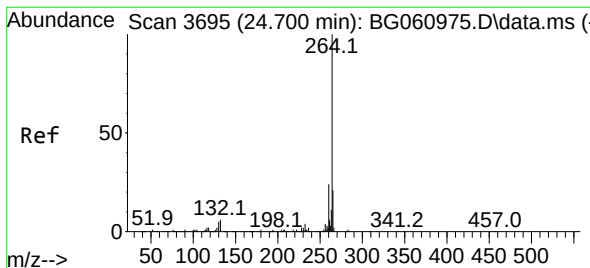
Lab File: BG061035.D

Acq: 25 Apr 2024 13:03

Tgt Ion:228 Resp: 302479

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.2	36.2
229	22.6	15.7	23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.712 min Scan# 30

Delta R.T. 0.013 min

Lab File: BG061035.D

Acq: 25 Apr 2024 13:03

Instrument :

BNA_G

ClientSampleId :

SP-2-BACKDL

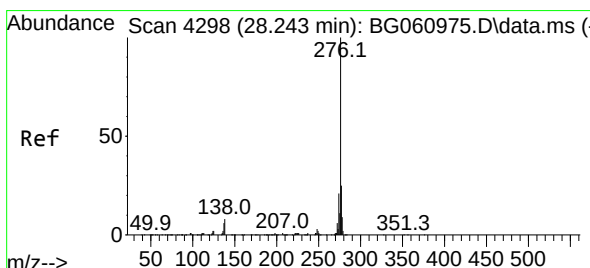
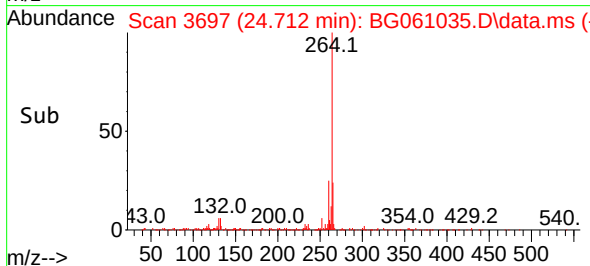
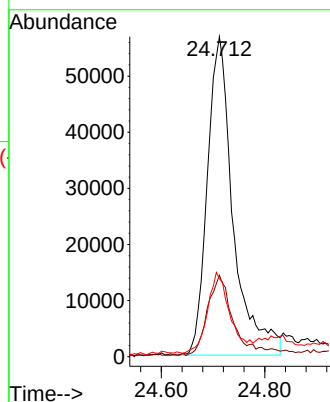
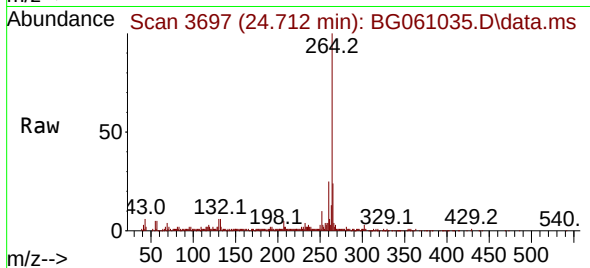
Tgt Ion:	264	Resp:	197174
Ion Ratio	Lower	Upper	
264	100		
260	25.5	19.4	29.2
265	24.4	17.0	25.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.698 ng m

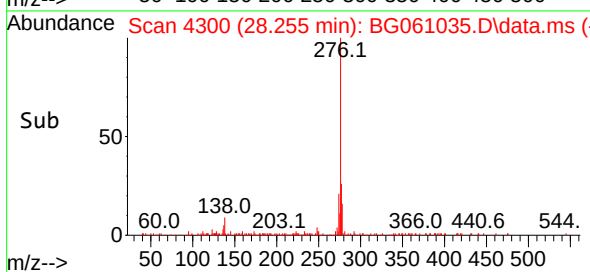
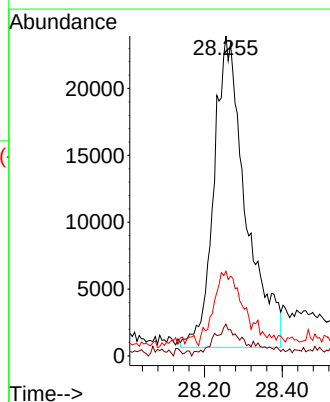
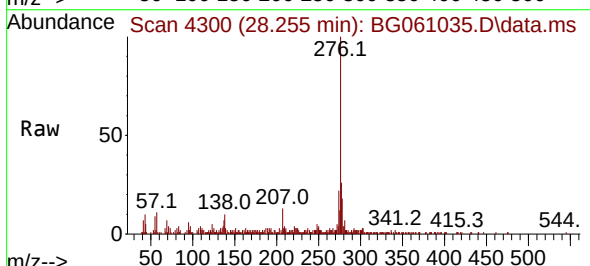
RT: 28.255 min Scan# 4300

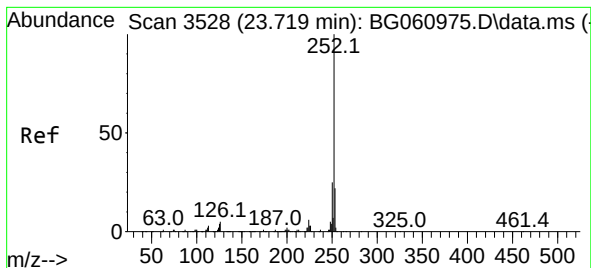
Delta R.T. 0.013 min

Lab File: BG061035.D

Acq: 25 Apr 2024 13:03

Tgt Ion:	276	Resp:	132651
Ion Ratio	Lower	Upper	
276	100		
138	8.1	5.3	7.9#
277	20.2	20.6	30.8#





#88

Benzo(b)fluoranthene

Concen: 31.031 ng

RT: 23.731 min Scan# 3530

Delta R.T. 0.013 min

Lab File: BG061035.D

Acq: 25 Apr 2024 13:03

Instrument :

BNA_G

ClientSampleId :

SP-2-BACKDL

Tgt Ion:252 Resp: 346729

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

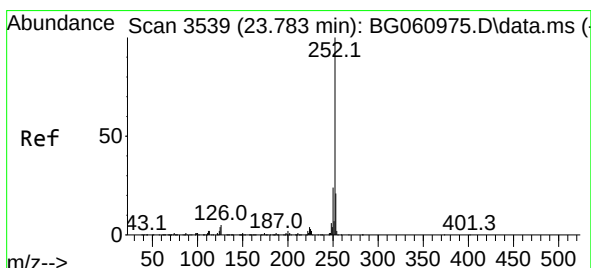
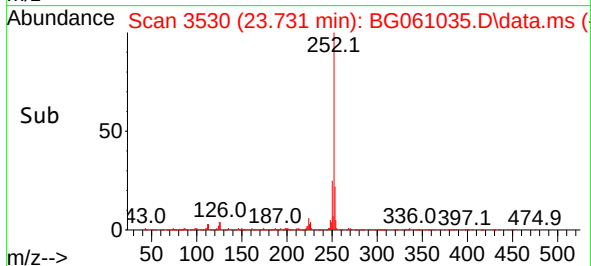
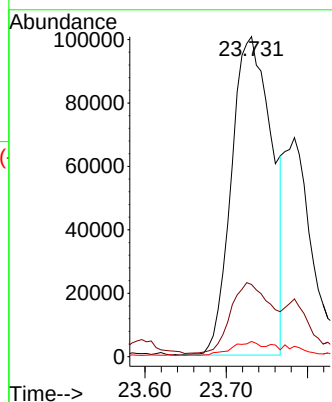
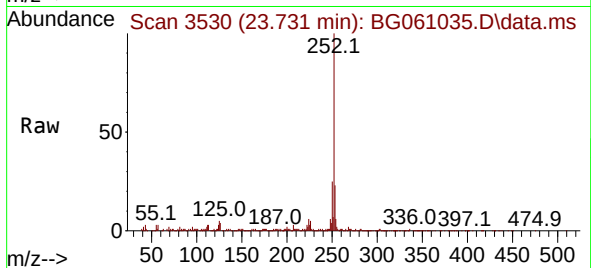
125 4.8 3.3 4.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#89

Benzo(k)fluoranthene

Concen: 15.819 ng m

RT: 23.784 min Scan# 3539

Delta R.T. 0.001 min

Lab File: BG061035.D

Acq: 25 Apr 2024 13:03

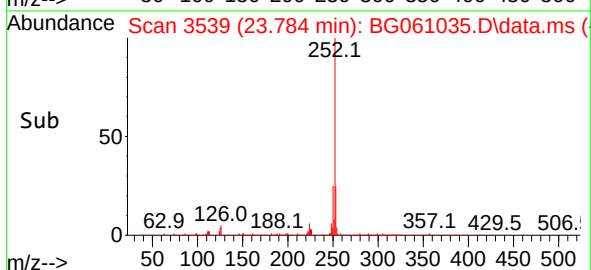
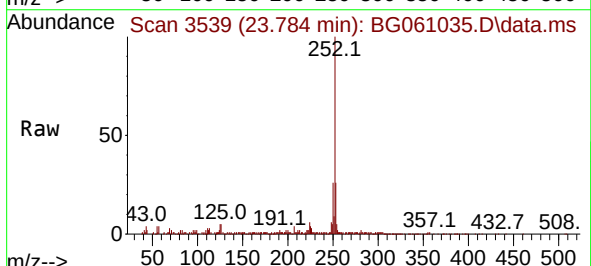
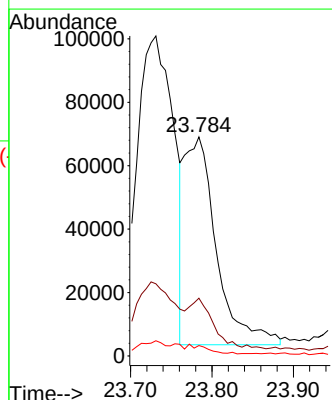
Tgt Ion:252 Resp: 178429

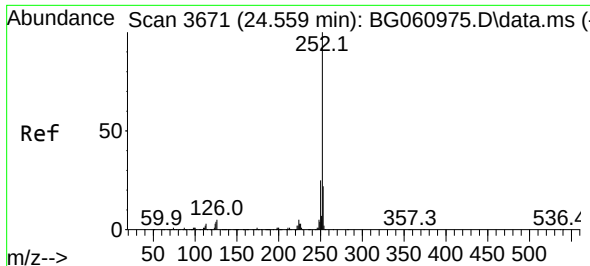
Ion Ratio Lower Upper

252 100

253 26.4 16.6 25.0#

125 4.8 3.3 4.9





#90
Benzo(a)pyrene
Concen: 23.170 ng
RT: 24.560 min Scan# 30
Delta R.T. 0.001 min
Lab File: BG061035.D
Acq: 25 Apr 2024 13:03

Instrument :

BNA_G

ClientSampleId :

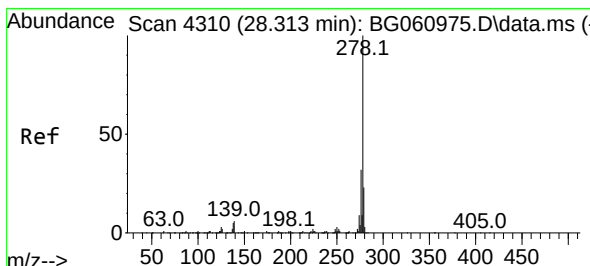
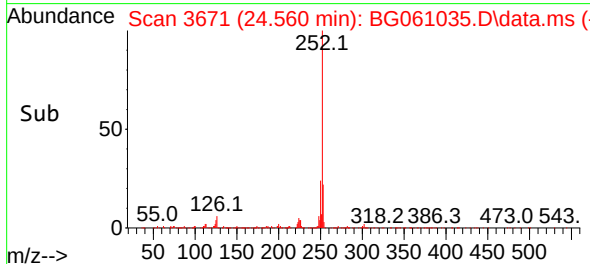
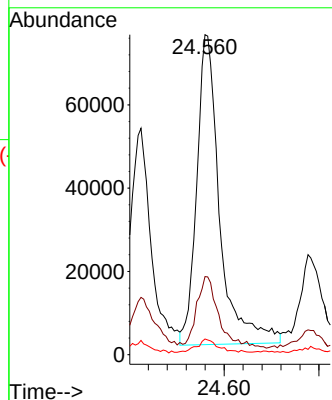
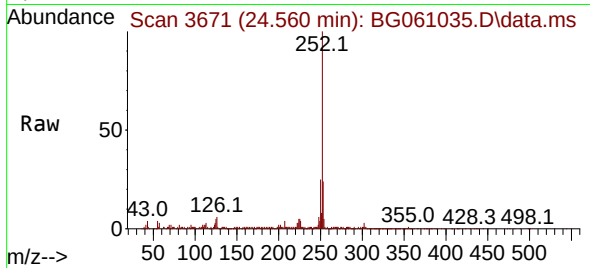
SP-2-BACKDL

Tgt Ion:252 Resp: 25059
Ion Ratio Lower Upper
252 100
253 24.4 17.7 26.5
125 4.9 3.6 5.4

Manual Integrations

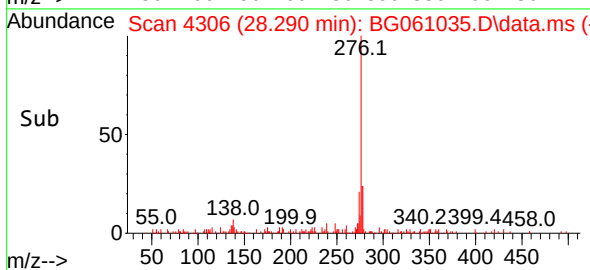
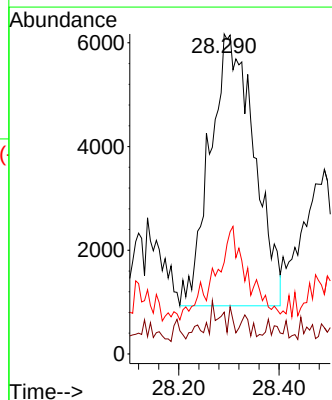
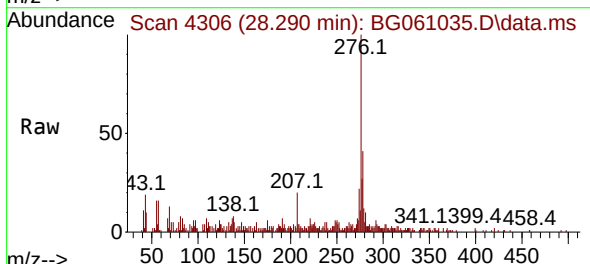
APPROVED

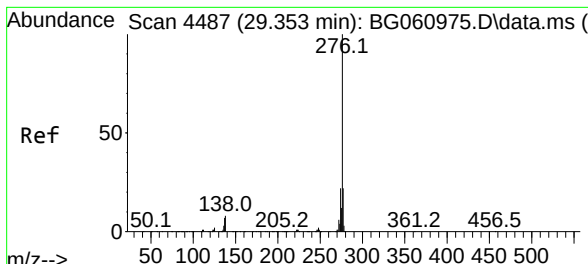
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#91
Dibenzo(a,h)anthracene
Concen: 2.866 ng
RT: 28.290 min Scan# 4306
Delta R.T. -0.023 min
Lab File: BG061035.D
Acq: 25 Apr 2024 13:03

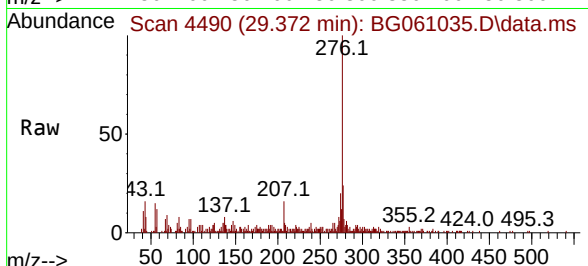
Tgt Ion:278 Resp: 32032
Ion Ratio Lower Upper
278 100
139 13.0 4.7 7.1#
279 28.7 18.2 27.4#





#92
 Benzo(g,h,i)perylene
 Concen: 10.638 ng m
 RT: 29.372 min Scan# 44
 Delta R.T. 0.018 min
 Lab File: BG061035.D
 Acq: 25 Apr 2024 13:03

Instrument :
 BNA_G
 ClientSampleId :
 SP-2-BACKDL



Tgt Ion: 276 Resp: 117879

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.0	27.0
138	4.4	6.5	9.7

Manual Integrations
APPROVED
 Reviewed By :Yogesh Patel 04/26/2024
 Supervised By :mohammad ahmed 04/27/2024

