

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042424\
 Data File : BG061028.D
 Acq On : 24 Apr 2024 18:14
 Operator : MA/JU
 Sample : P2240-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AU-05-042324

Manual Integrations
 APPROVED

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

Quant Time: Apr 25 01:19:00 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	7.937	152	30189	20.000	ng	0.00
21) Naphthalene-d8	10.739	136	108024	20.000	ng	# 0.00
39) Acenaphthene-d10	14.570	164	81605	20.000	ng	0.00
64) Phenanthrene-d10	17.320	188	182353	20.000	ng	0.00
76) Chrysene-d12	21.579	240	195175	20.000	ng	0.00
86) Perylene-d12	24.711	264	222444	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	132788	88.972	ng	0.00
7) Phenol-d6	7.108	99	174401	78.757	ng	0.00
23) Nitrobenzene-d5	9.094	82	126602	52.656	ng	0.00
42) 2,4,6-Tribromophenol	16.062	330	138928	77.527	ng	0.00
45) 2-Fluorobiphenyl	13.195	172	340584	57.763	ng	0.00
79) Terphenyl-d14	19.940	244	650039	51.698	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.361	178	62611	6.727	ng	97
75) Fluoranthene	19.376	202	147562	11.946	ng	99
78) Pyrene	19.735	202	137990	10.383	ng	95
81) Benzo(a)anthracene	21.562	228	83079	6.054	ng	93
83) Chrysene	21.621	228	84830m	6.493	ng	
88) Benzo(b)fluoranthene	23.724	252	88282	7.003	ng	97
89) Benzo(k)fluoranthene	23.783	252	39310m	3.089	ng	
90) Benzo(a)pyrene	24.564	252	58113	4.763	ng	# 89

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

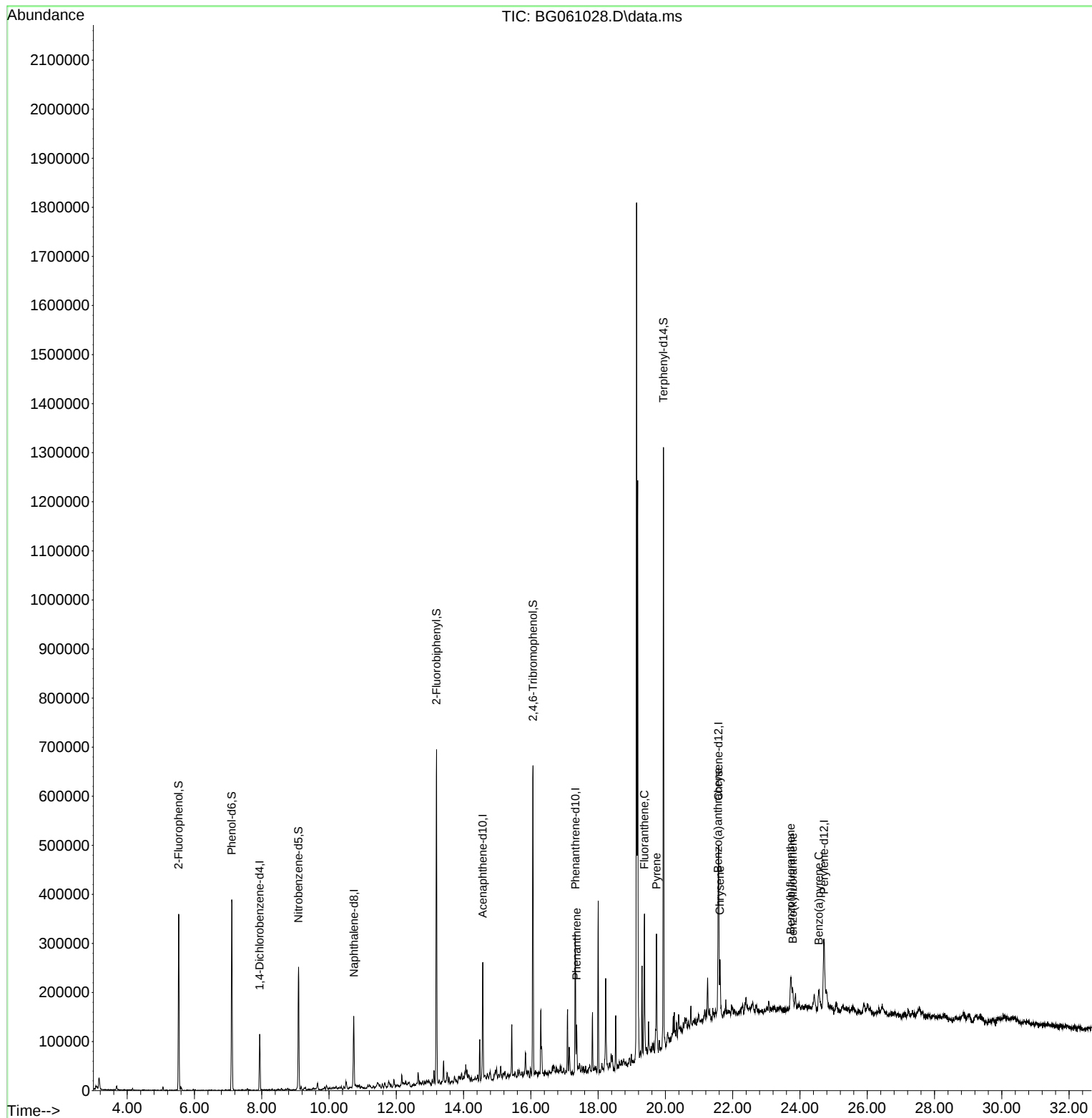
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042424\
Data File : BG061028.D
Acq On : 24 Apr 2024 18:14
Operator : MA/JU
Sample : P2240-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

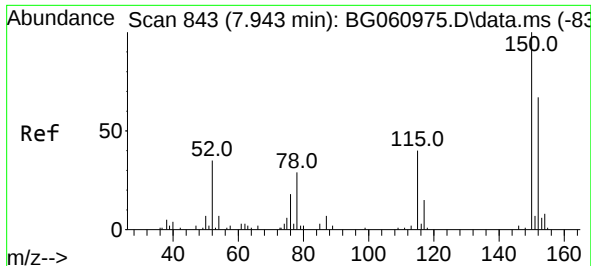
Instrument :
BNA_G
ClientSampleId :
AU-05-042324

Quant Time: Apr 25 01:19:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
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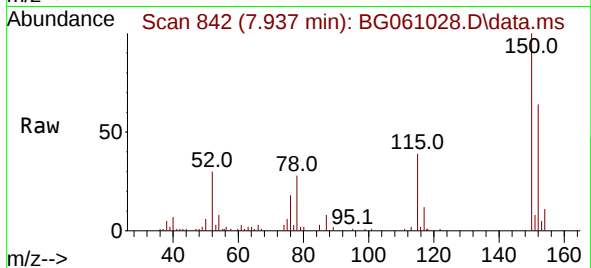
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.937 min Scan# 843
Delta R.T. -0.006 min
Lab File: BG061028.D
Acq: 24 Apr 2024 18:14

Instrument :

BNA_G

ClientSampleId :

AU-05-042324



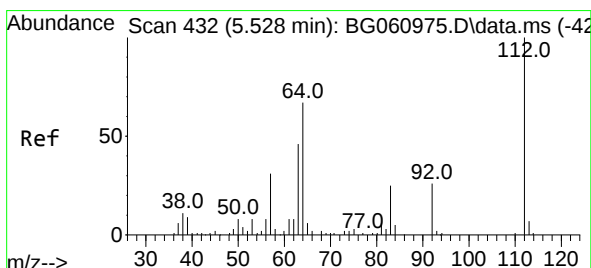
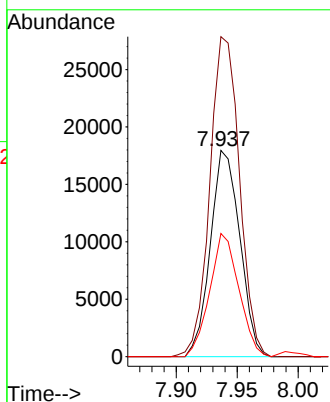
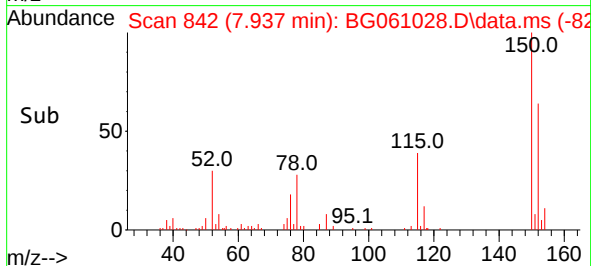
Tgt Ion:152 Resp: 30189
Ion Ratio Lower Upper
152 100
150 155.2 118.6 178.0
115 59.8 47.4 71.0

Manual Integrations

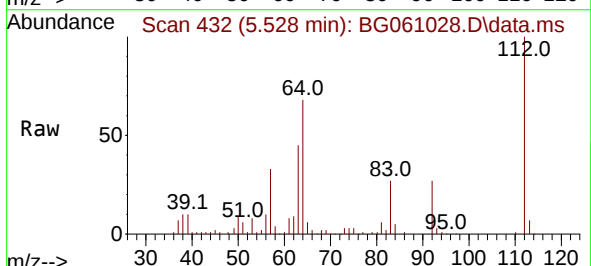
APPROVED

Reviewed By :Yogesh Patel 04/26/2024

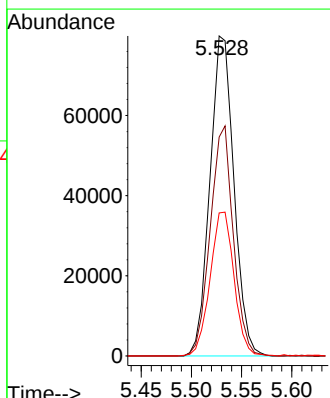
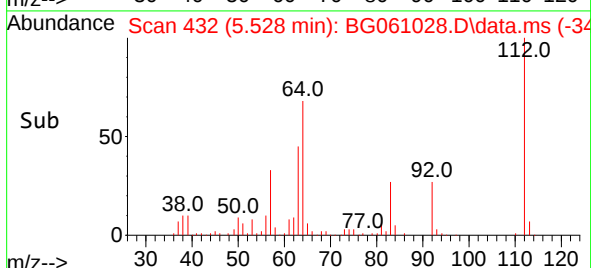
Supervised By :mohammad ahmed 04/27/2024

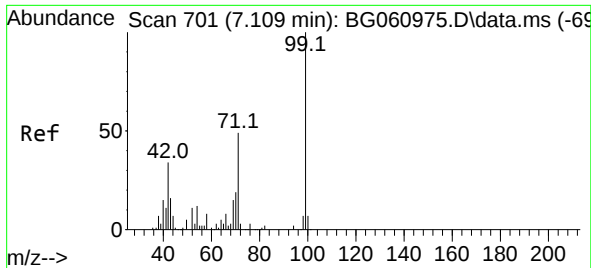


#5
2-Fluorophenol
Concen: 88.972 ng
RT: 5.528 min Scan# 432
Delta R.T. -0.000 min
Lab File: BG061028.D
Acq: 24 Apr 2024 18:14



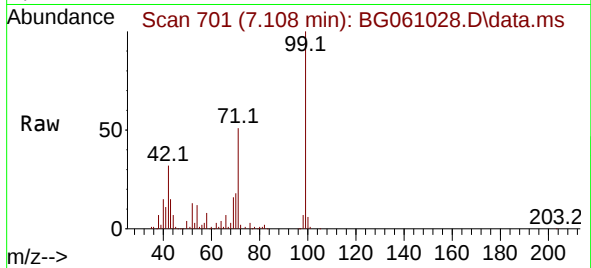
Tgt Ion:112 Resp: 132788
Ion Ratio Lower Upper
112 100
64 68.4 53.7 80.5
63 44.7 37.0 55.6





#7
Phenol-d6
Concen: 78.757 ng
RT: 7.108 min Scan# 701
Delta R.T. -0.000 min
Lab File: BG061028.D
Acq: 24 Apr 2024 18:14

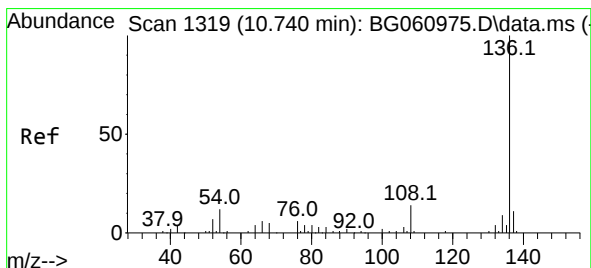
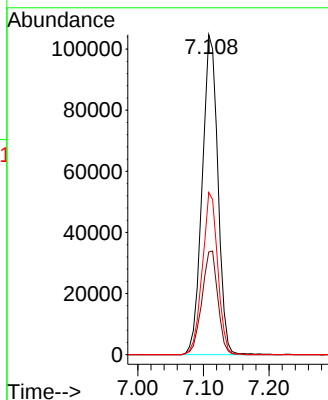
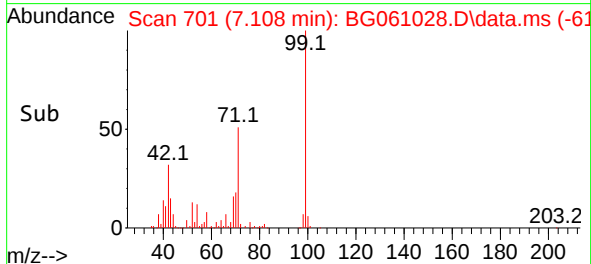
Instrument :
BNA_G
ClientSampleId :
AU-05-042324



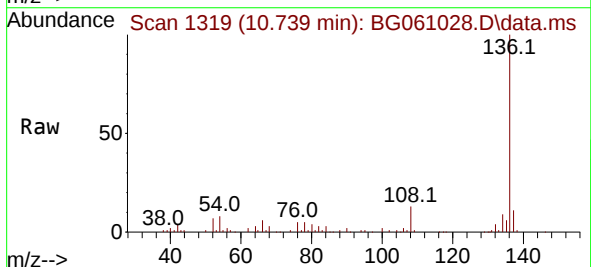
Tgt Ion: 99 Resp: 17440
Ion Ratio Lower Upper
99 100
42 32.1 27.2 40.8
71 50.7 38.8 58.2

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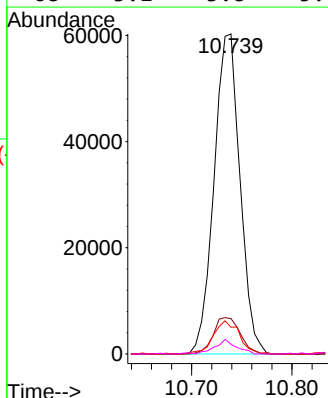
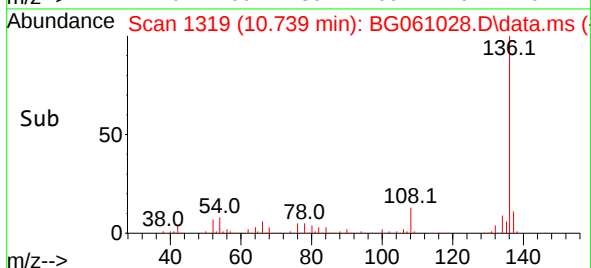
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

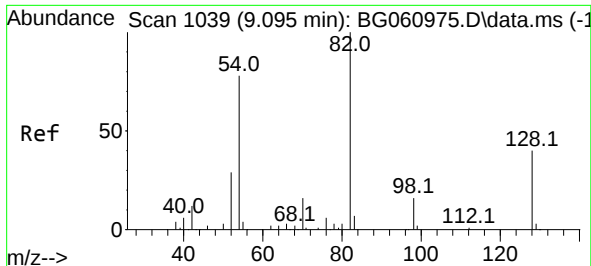


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.739 min Scan# 1319
Delta R.T. -0.001 min
Lab File: BG061028.D
Acq: 24 Apr 2024 18:14



Tgt Ion:136 Resp: 108024
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 8.4 9.4 14.0#
68 3.1 3.8 5.6#





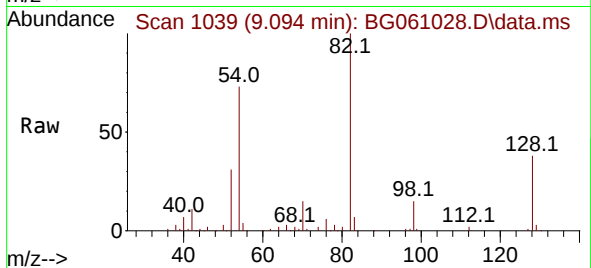
#23
Nitrobenzene-d5
Concen: 52.656 ng
RT: 9.094 min Scan# 1039
Delta R.T. -0.000 min
Lab File: BG061028.D
Acq: 24 Apr 2024 18:14

Instrument :

BNA_G

ClientSampleId :

AU-05-042324



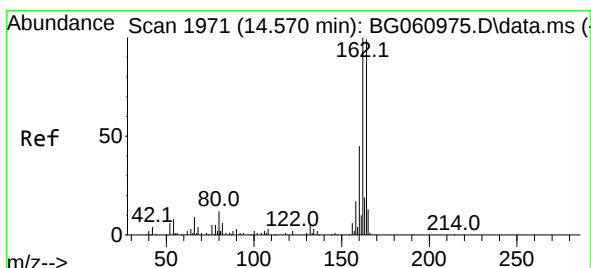
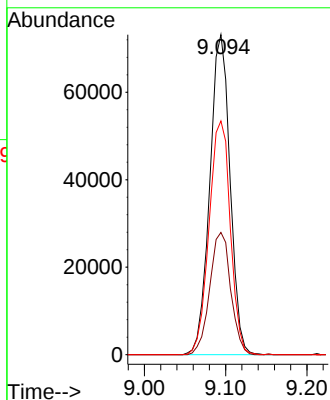
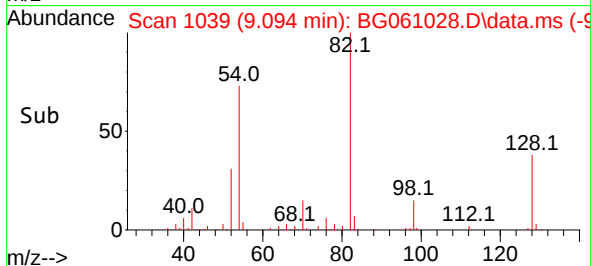
Tgt Ion: 82 Resp: 126602
Ion Ratio Lower Upper
82 100
128 38.2 32.1 48.1
54 73.1 62.3 93.5

Manual Integrations

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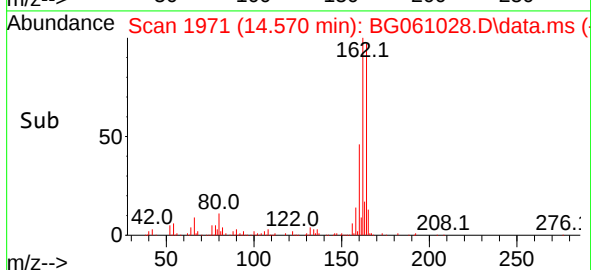
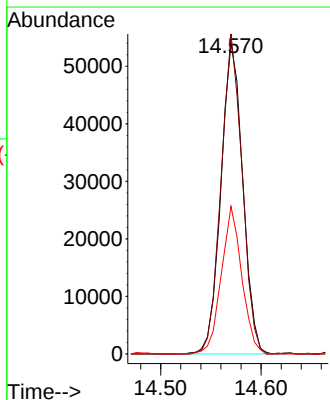
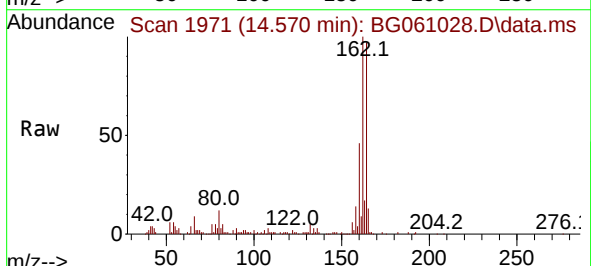
Reviewed By :Yogesh Patel 04/26/2024

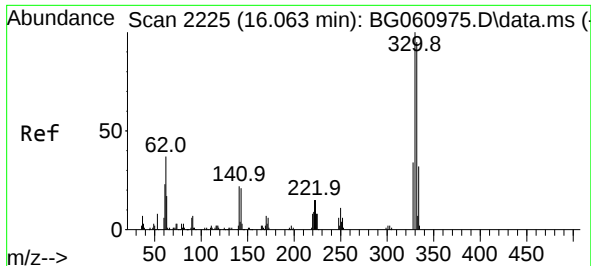
Supervised By :mohammad ahmed 04/27/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.570 min Scan# 1971
Delta R.T. -0.000 min
Lab File: BG061028.D
Acq: 24 Apr 2024 18:14

Tgt Ion:164 Resp: 81605
Ion Ratio Lower Upper
164 100
162 103.0 81.2 121.8
160 47.5 36.2 54.2





#42
2,4,6-Tribromophenol
Concen: 77.527 ng
RT: 16.062 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG061028.D
Acq: 24 Apr 2024 18:14

Instrument :

BNA_G

ClientSampleId :

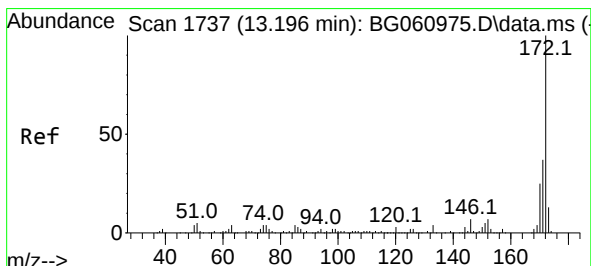
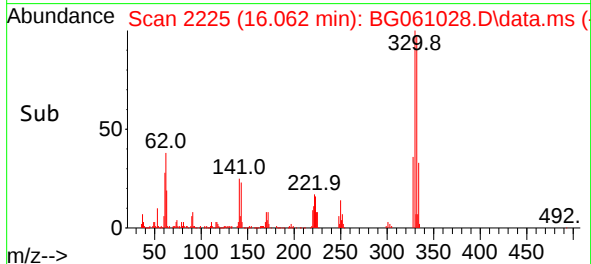
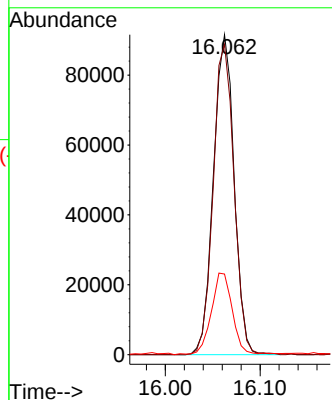
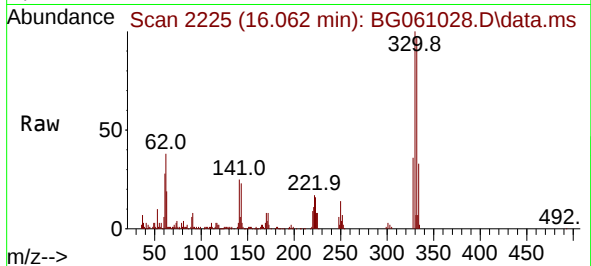
AU-05-042324

Tgt Ion:330 Resp: 138928
Ion Ratio Lower Upper
330 100
332 97.4 77.1 115.7
141 25.3 20.6 31.0

Manual Integrations

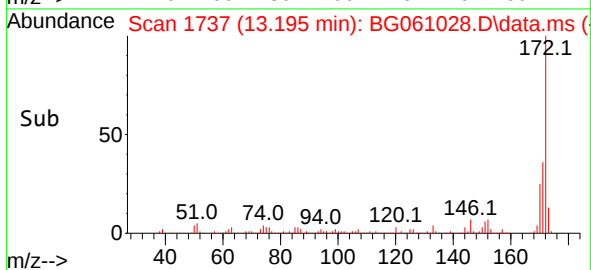
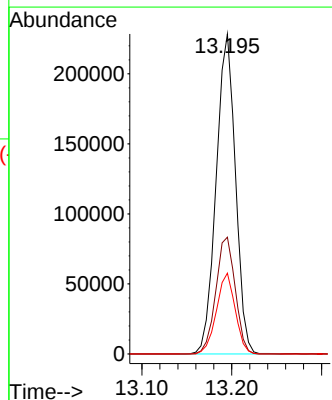
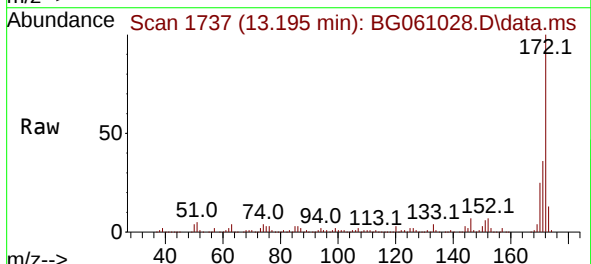
APPROVED

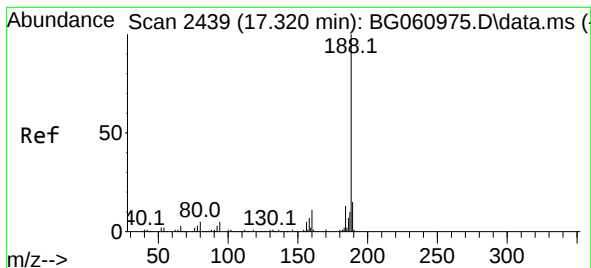
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#45
2-Fluorobiphenyl
Concen: 57.763 ng
RT: 13.195 min Scan# 1737
Delta R.T. -0.000 min
Lab File: BG061028.D
Acq: 24 Apr 2024 18:14

Tgt Ion:172 Resp: 340584
Ion Ratio Lower Upper
172 100
171 36.5 29.3 43.9
170 25.3 20.1 30.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.320 min Scan# 2439

Delta R.T. -0.000 min

Lab File: BG061028.D

Acq: 24 Apr 2024 18:14

Instrument :

BNA_G

ClientSampleId :

AU-05-042324

Tgt Ion:188 Resp: 18235

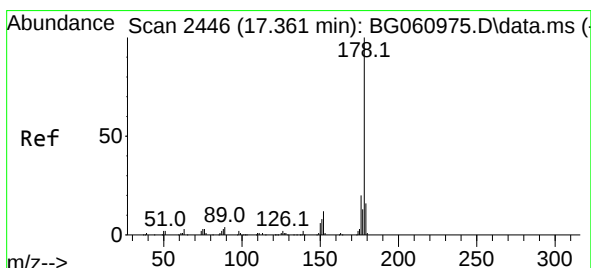
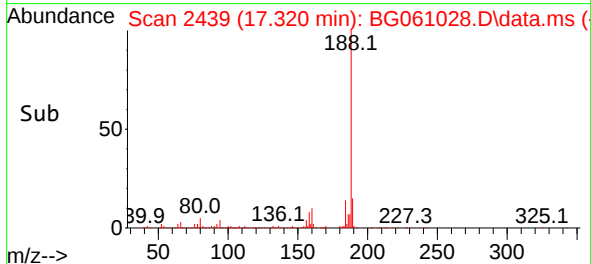
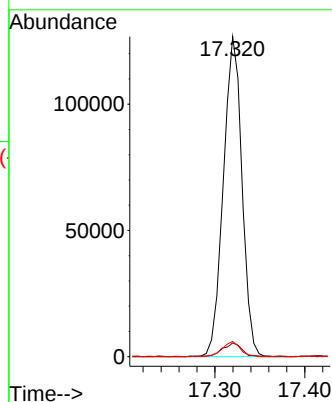
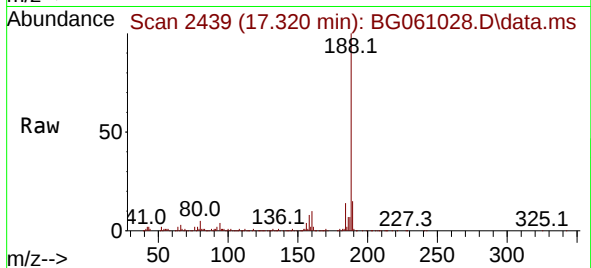
Ion	Ratio	Lower	Upper
188	100		
94	4.3	4.1	6.1
80	4.7	4.0	6.0

Manual Integrations

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Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#71

Phenanthrene

Concen: 6.727 ng

RT: 17.361 min Scan# 2446

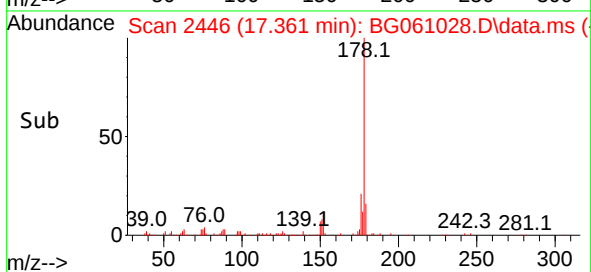
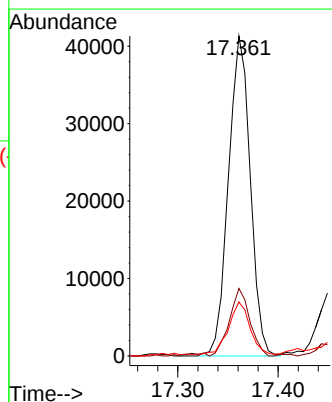
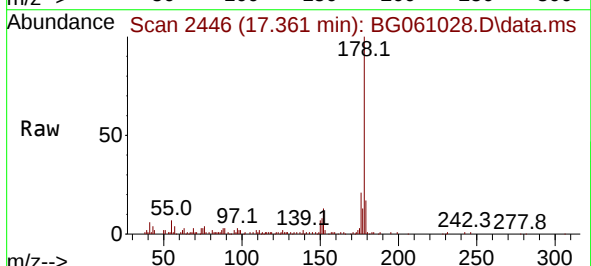
Delta R.T. -0.000 min

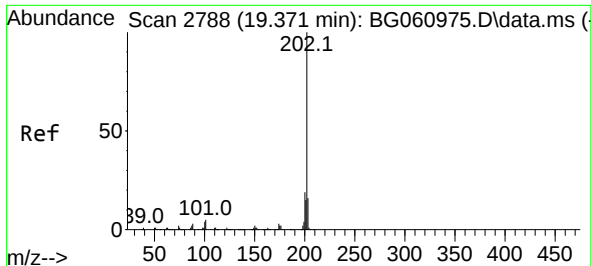
Lab File: BG061028.D

Acq: 24 Apr 2024 18:14

Tgt Ion:178 Resp: 62611

Ion	Ratio	Lower	Upper
178	100		
176	21.1	16.0	24.0
179	16.9	12.5	18.7





#75
Fluoranthene
Concen: 11.946 ng
RT: 19.376 min Scan# 21
Delta R.T. 0.005 min
Lab File: BG061028.D
Acq: 24 Apr 2024 18:14

Instrument :

BNA_G

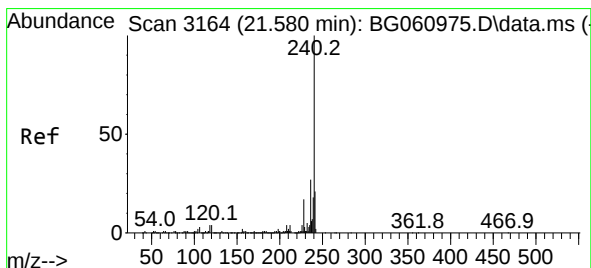
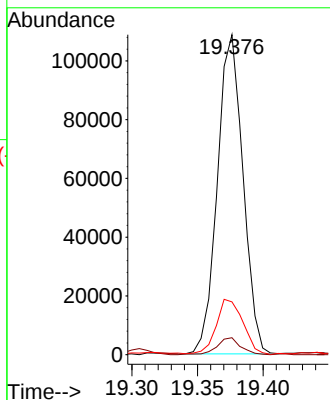
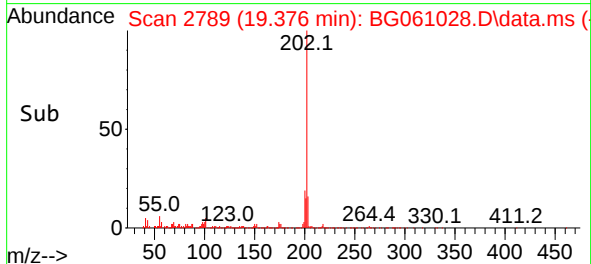
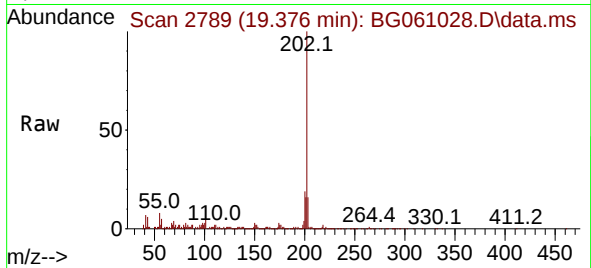
ClientSampleId :

AU-05-042324

Tgt Ion:202 Resp: 147562
Ion Ratio Lower Upper
202 100
101 5.3 0.0 24.9
203 16.5 0.0 36.2

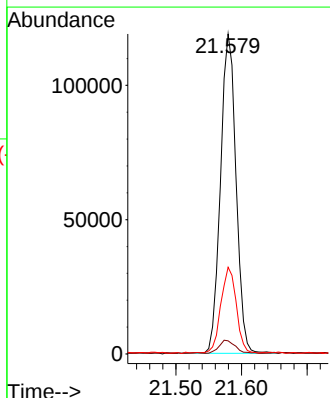
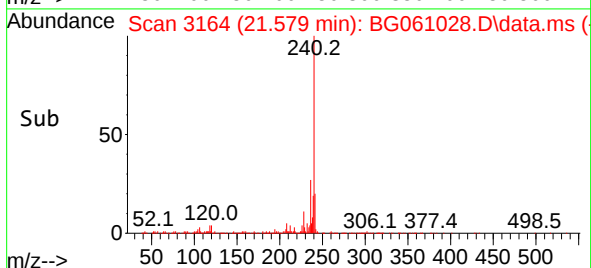
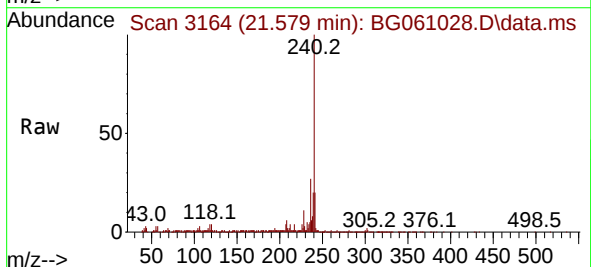
Manual Integrations
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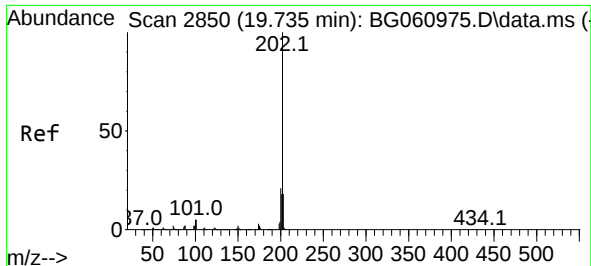
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.579 min Scan# 3164
Delta R.T. -0.000 min
Lab File: BG061028.D
Acq: 24 Apr 2024 18:14

Tgt Ion:240 Resp: 195175
Ion Ratio Lower Upper
240 100
120 4.1 3.0 4.6
236 27.1 21.8 32.6





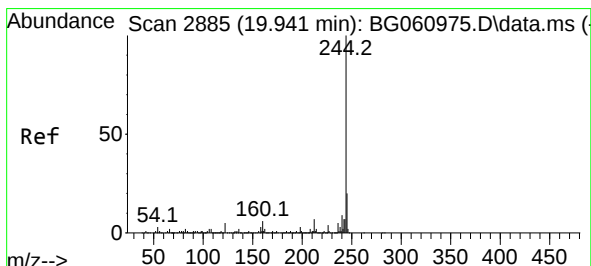
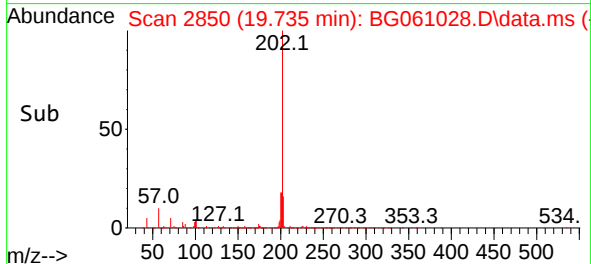
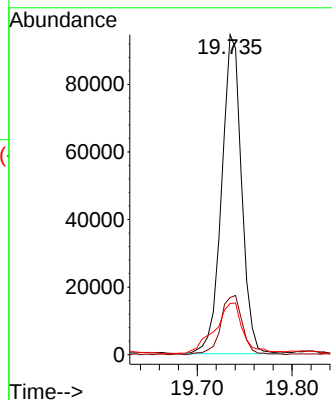
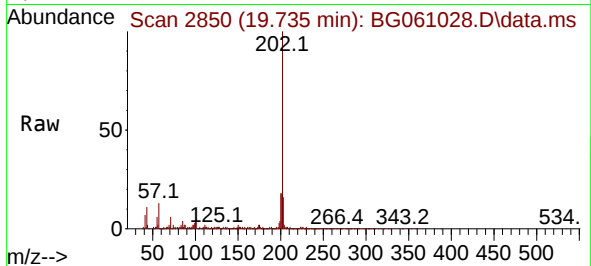
#78
Pyrene
Concen: 10.383 ng
RT: 19.735 min Scan# 2850
Delta R.T. -0.000 min
Lab File: BG061028.D
Acq: 24 Apr 2024 18:14

Instrument :
BNA_G
ClientSampleId :
AU-05-042324

Tgt Ion:202 Resp: 137990
Ion Ratio Lower Upper
202 100
200 17.8 16.8 25.2
203 16.0 14.2 21.2

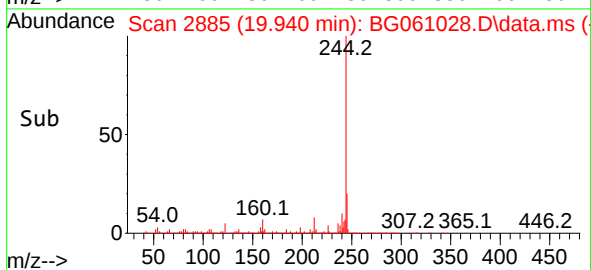
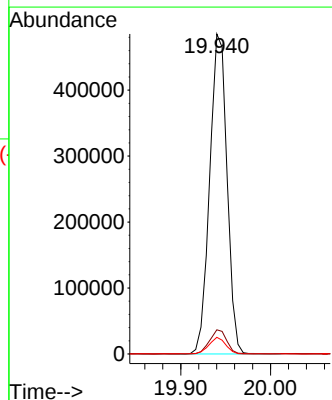
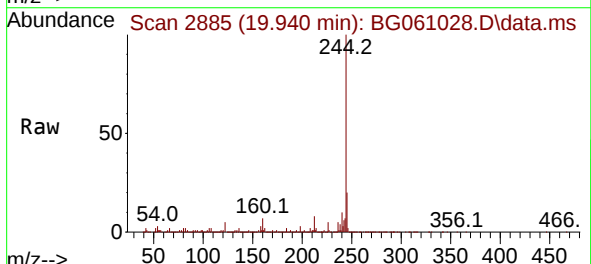
Manual Integrations
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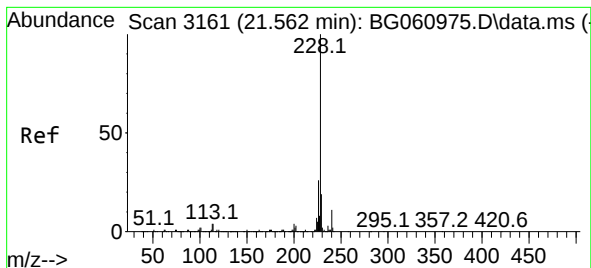
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#79
Terphenyl-d14
Concen: 51.698 ng
RT: 19.940 min Scan# 2885
Delta R.T. -0.000 min
Lab File: BG061028.D
Acq: 24 Apr 2024 18:14

Tgt Ion:244 Resp: 650039
Ion Ratio Lower Upper
244 100
212 7.6 5.9 8.9
122 5.2 4.2 6.2





#81

Benzo(a)anthracene

Concen: 6.054 ng

RT: 21.562 min Scan# 3161

Delta R.T. -0.000 min

Lab File: BG061028.D

Acq: 24 Apr 2024 18:14

Instrument :

BNA_G

ClientSampleId :

AU-05-042324

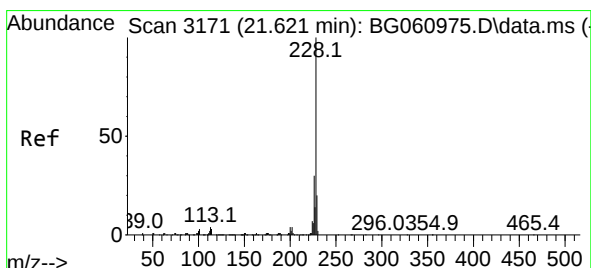
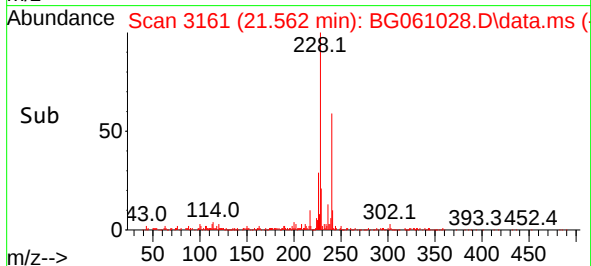
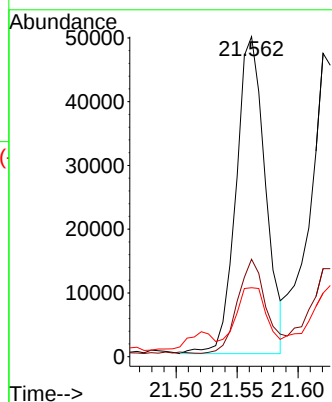
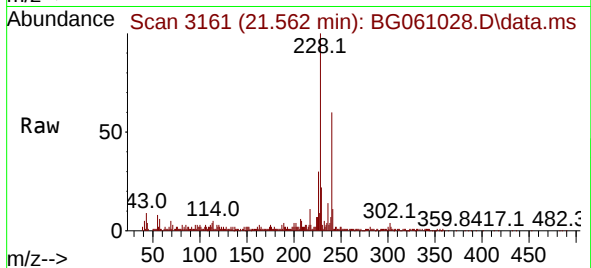
Tgt Ion:228	Resp:	83079
Ion Ratio	Lower	Upper
228	100	
226	30.4	21.0 31.4
229	21.6	15.0 22.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#83

Chrysene

Concen: 6.493 ng m

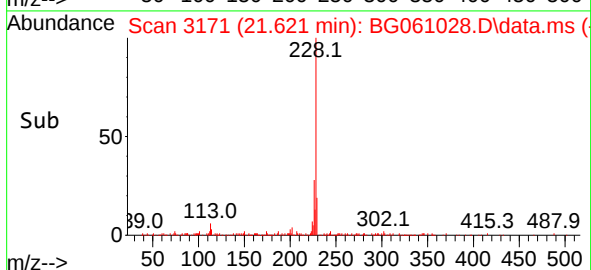
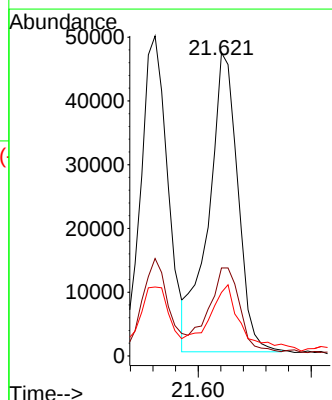
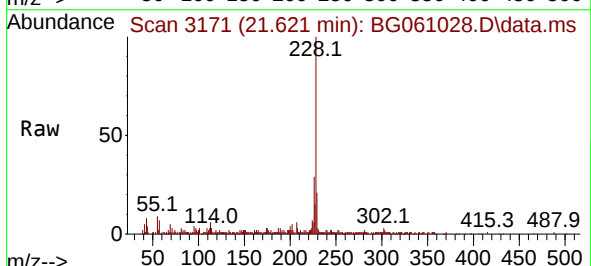
RT: 21.621 min Scan# 3171

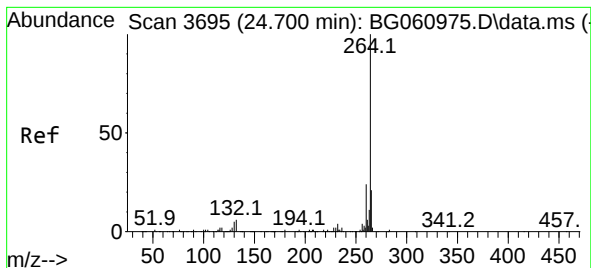
Delta R.T. -0.000 min

Lab File: BG061028.D

Acq: 24 Apr 2024 18:14

Tgt Ion:228	Resp:	84830
Ion Ratio	Lower	Upper
228	100	
226	29.0	24.2 36.2
229	20.9	15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.711 min Scan# 30

Delta R.T. 0.011 min

Lab File: BG061028.D

Acq: 24 Apr 2024 18:14

Instrument :

BNA_G

ClientSampleId :

AU-05-042324

Tgt Ion:264 Resp: 22244

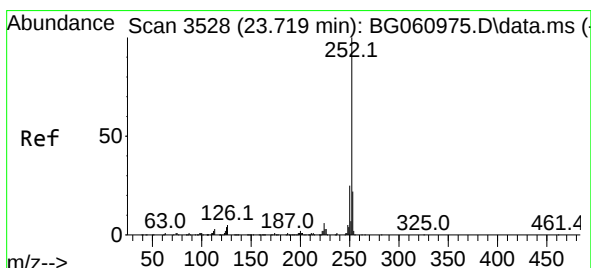
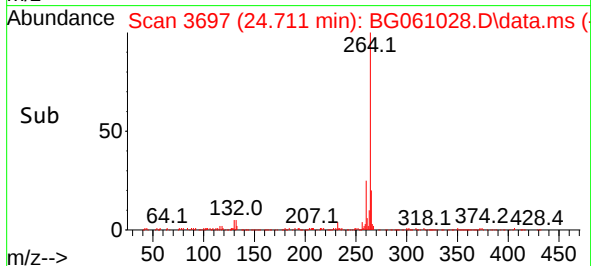
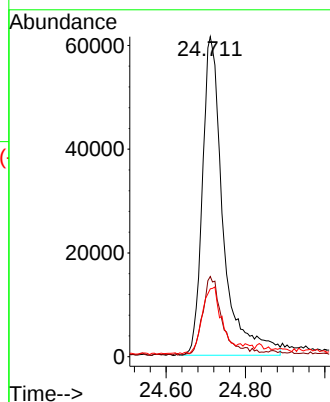
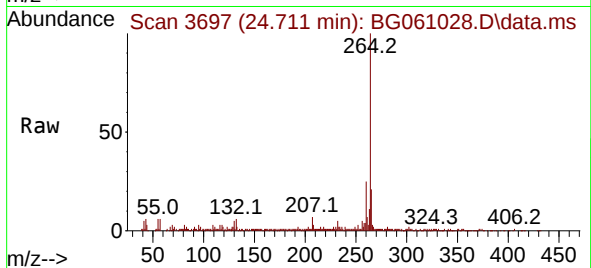
Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.4	29.2
265	21.2	17.0	25.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#88

Benzo(b)fluoranthene

Concen: 7.003 ng

RT: 23.724 min Scan# 3529

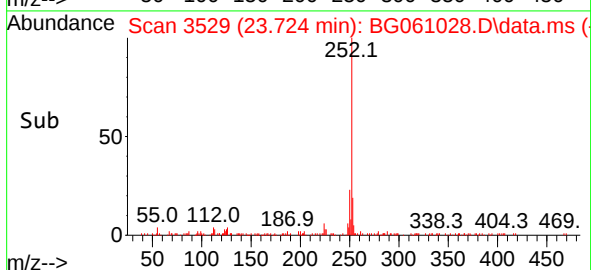
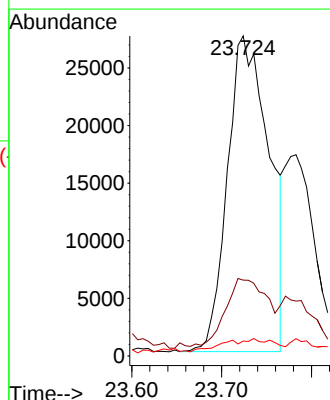
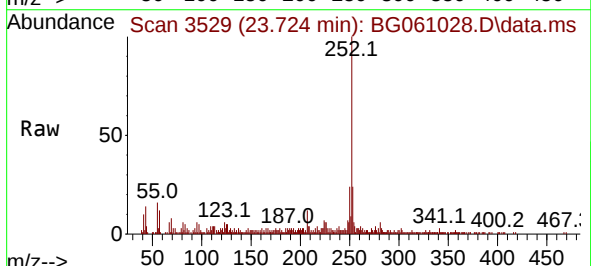
Delta R.T. 0.005 min

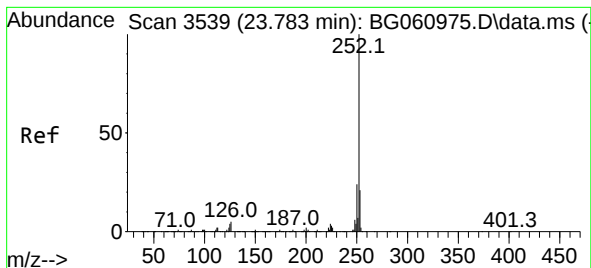
Lab File: BG061028.D

Acq: 24 Apr 2024 18:14

Tgt Ion:252 Resp: 88282

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	4.6	3.3	4.9





#89

Benzo(k)fluoranthene

Concen: 3.089 ng m

RT: 23.783 min Scan# 3539

Delta R.T. -0.000 min

Lab File: BG061028.D

Acq: 24 Apr 2024 18:14

Instrument :

BNA_G

ClientSampleId :

AU-05-042324

Tgt Ion:252 Resp: 39310

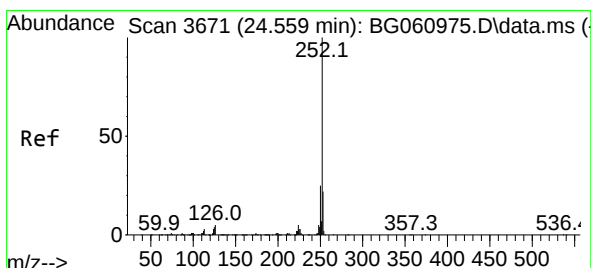
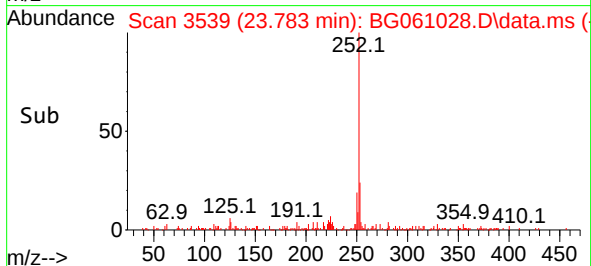
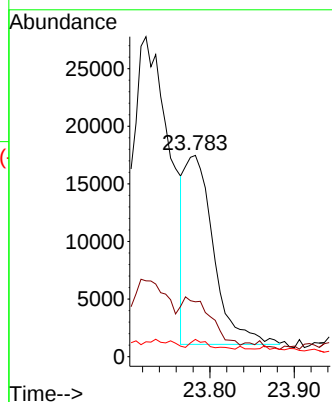
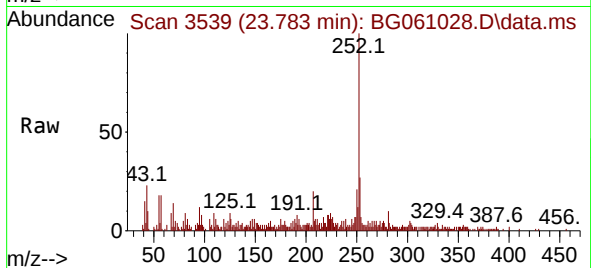
Ion	Ratio	Lower	Upper
252	100		
253	27.2	16.6	25.0
125	8.6	3.3	4.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#90

Benzo(a)pyrene

Concen: 4.763 ng

RT: 24.564 min Scan# 3672

Delta R.T. 0.005 min

Lab File: BG061028.D

Acq: 24 Apr 2024 18:14

Tgt Ion:252 Resp: 58113

Ion	Ratio	Lower	Upper
252	100		
253	27.8	17.7	26.5
125	5.9	3.6	5.4

