

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042424\
 Data File : BG061029.D
 Acq On : 24 Apr 2024 18:56
 Operator : MA/JU
 Sample : P2247-01 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PL-02-04232024

Manual Integrations
 APPROVED

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

Quant Time: Apr 25 01:19:25 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	7.947	152	29085	20.000	ng	0.00
21) Naphthalene-d8	10.738	136	106377	20.000	ng	# 0.00
39) Acenaphthene-d10	14.575	164	77188	20.000	ng	0.00
64) Phenanthrene-d10	17.318	188	169374	20.000	ng	0.00
76) Chrysene-d12	21.578	240	177762	20.000	ng	# 0.00
86) Perylene-d12	24.716	264	185939	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.532	112	26750	18.604	ng	0.00
7) Phenol-d6	7.113	99	34979	16.396	ng	0.00
23) Nitrobenzene-d5	9.099	82	26304	11.110	ng	0.00
42) 2,4,6-Tribromophenol	16.061	330	26034	15.359	ng	0.00
45) 2-Fluorobiphenyl	13.194	172	64085	11.491	ng	0.00
79) Terphenyl-d14	19.939	244	122872	10.729	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.360	178	49562	5.733	ng	97
75) Fluoranthene	19.375	202	124419	10.844	ng	98
78) Pyrene	19.739	202	120987	9.996	ng	98
81) Benzo(a)anthracene	21.561	228	70499	5.641	ng	# 94
83) Chrysene	21.625	228	66557m	5.594	ng	
87) Indeno(1,2,3-cd)pyrene	28.270	276	28431m	2.204	ng	
88) Benzo(b)fluoranthene	23.740	252	72731	6.902	ng	# 91
89) Benzo(k)fluoranthene	23.787	252	35689m	3.355	ng	
90) Benzo(a)pyrene	24.569	252	58857	5.771	ng	# 93
92) Benzo(g,h,i)perylene	29.375	276	28055m	2.685	ng	

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

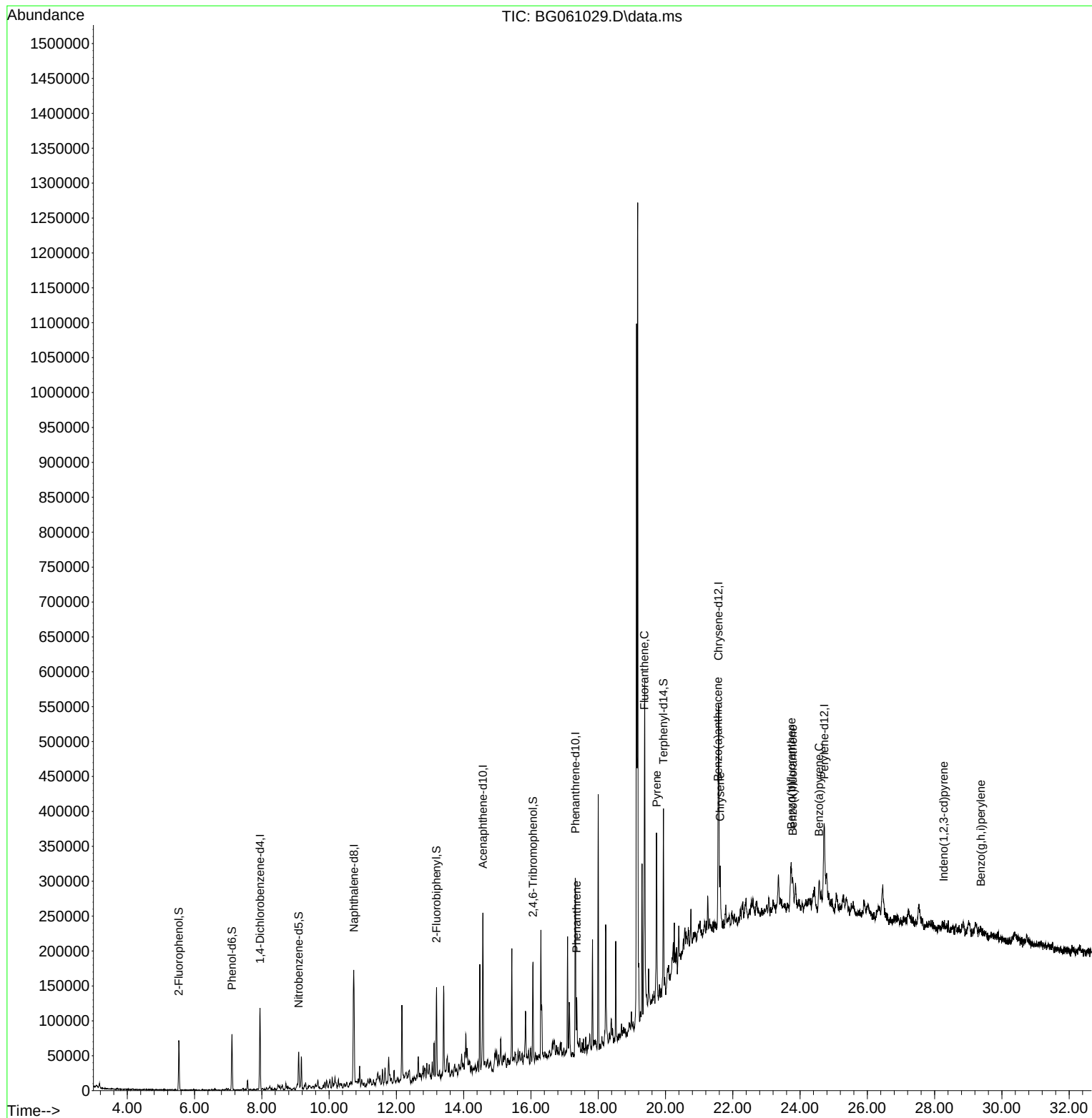
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042424\
Data File : BG061029.D
Acq On : 24 Apr 2024 18:56
Operator : MA/JU
Sample : P2247-01 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

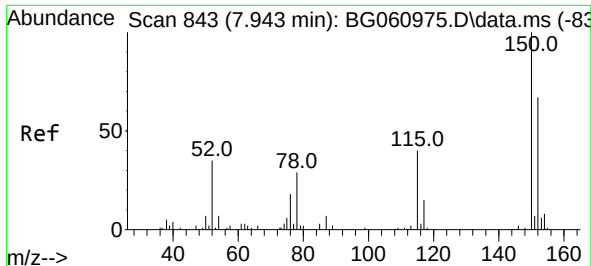
Instrument :
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PL-02-04232024

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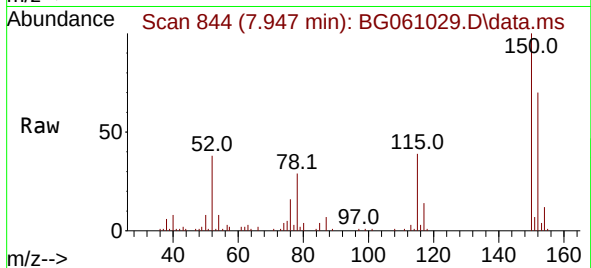
Quant Time: Apr 25 01:19:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 22 04:22:00 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.947 min Scan# 843
Delta R.T. 0.004 min
Lab File: BG061029.D
Acq: 24 Apr 2024 18:56

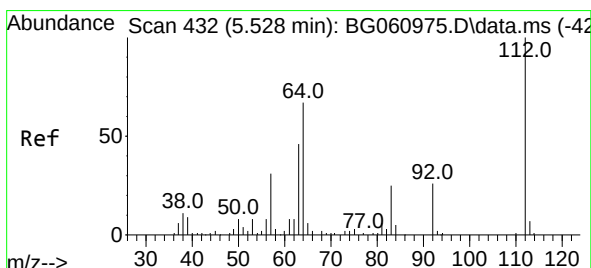
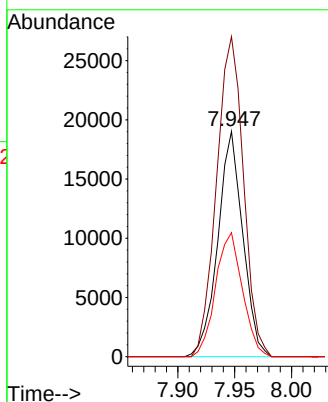
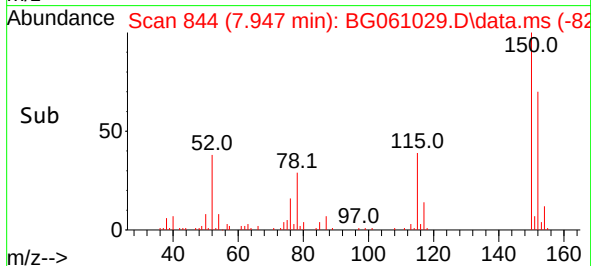
Instrument :
BNA_G
ClientSampleId :
PL-02-04232024



Tgt Ion:152 Resp: 2908
Ion Ratio Lower Upper
152 100
150 142.0 118.6 178.0
115 55.0 47.4 71.0

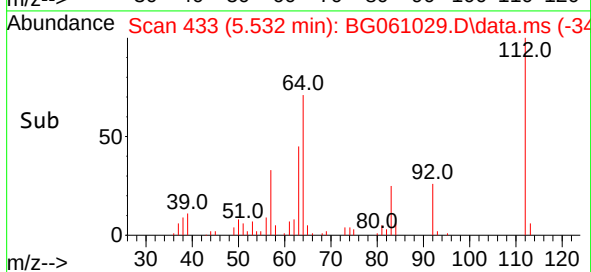
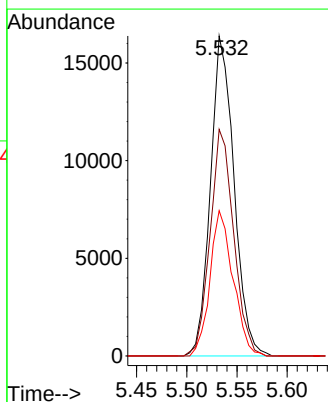
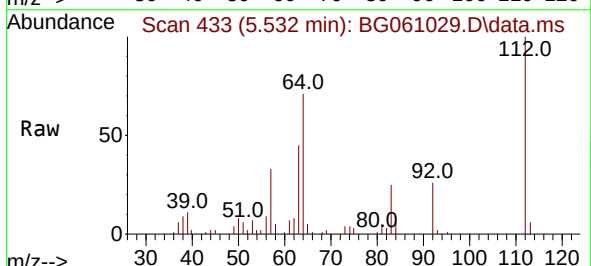
Manual Integrations
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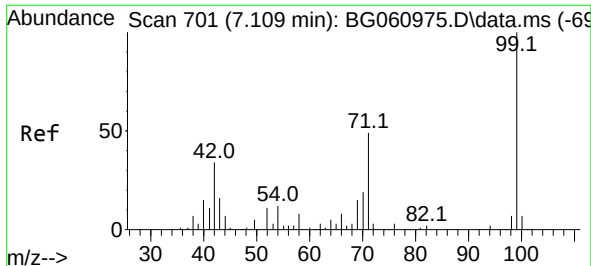
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#5
2-Fluorophenol
Concen: 18.604 ng
RT: 5.532 min Scan# 433
Delta R.T. 0.004 min
Lab File: BG061029.D
Acq: 24 Apr 2024 18:56

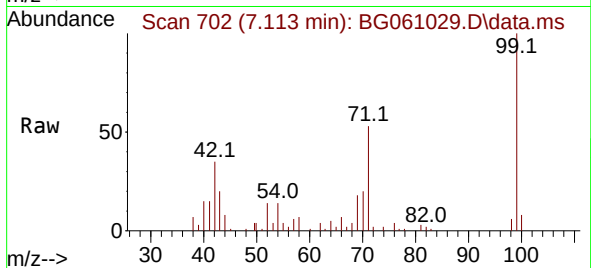
Tgt Ion:112 Resp: 26750
Ion Ratio Lower Upper
112 100
64 70.8 53.7 80.5
63 45.4 37.0 55.6





#7
Phenol-d6
Concen: 16.396 ng
RT: 7.113 min Scan# 701
Delta R.T. 0.004 min
Lab File: BG061029.D
Acq: 24 Apr 2024 18:56

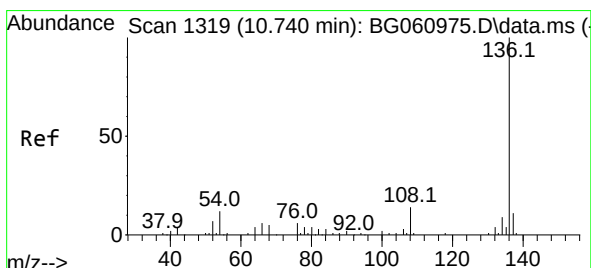
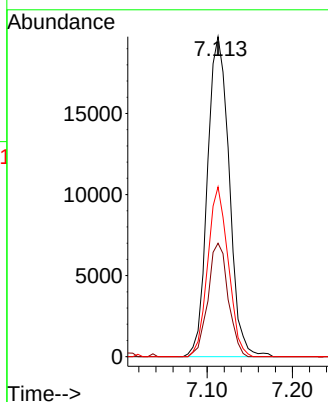
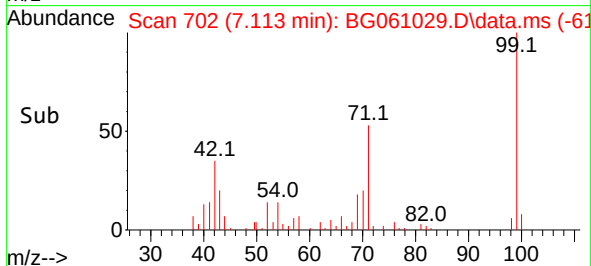
Instrument :
BNA_G
ClientSampleId :
PL-02-04232024



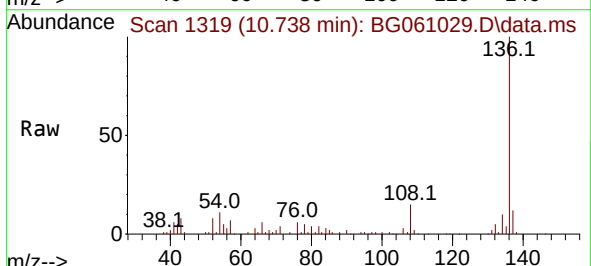
Tgt Ion: 99 Resp: 34979
Ion Ratio Lower Upper
99 100
42 35.4 27.2 40.8
71 53.1 38.8 58.2

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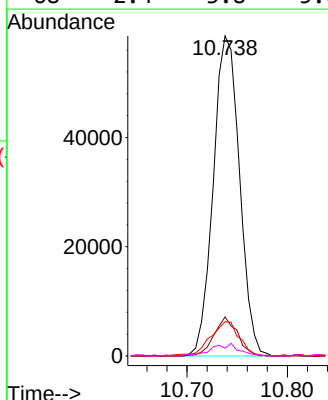
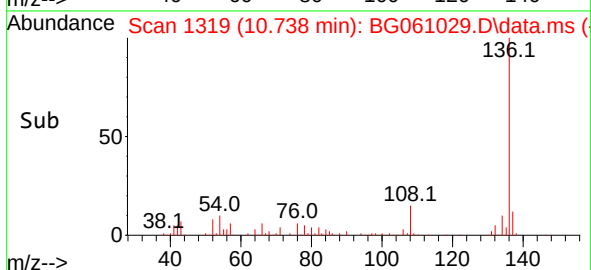
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

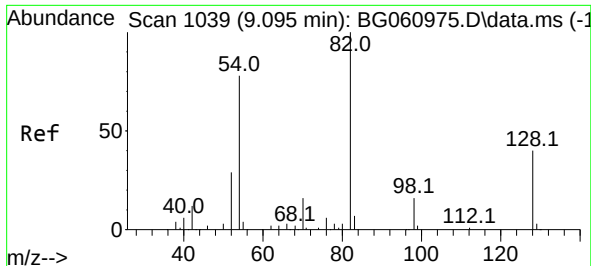


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.738 min Scan# 1319
Delta R.T. -0.002 min
Lab File: BG061029.D
Acq: 24 Apr 2024 18:56



Tgt Ion:136 Resp: 106377
Ion Ratio Lower Upper
136 100
137 12.2 8.5 12.7
54 10.7 9.4 14.0
68 2.4 3.8 5.6#





#23

Nitrobenzene-d5

Concen: 11.110 ng

RT: 9.099 min Scan# 1039

Delta R.T. 0.004 min

Lab File: BG061029.D

Acq: 24 Apr 2024 18:56

Instrument :

BNA_G

ClientSampleId :

PL-02-04232024

Tgt Ion: 82 Resp: 26304

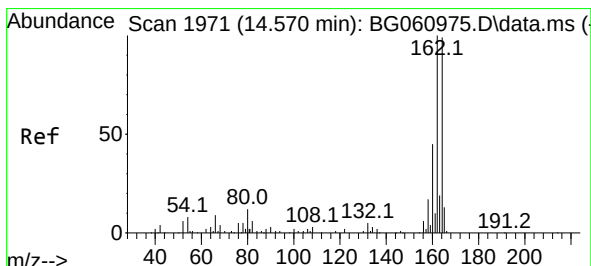
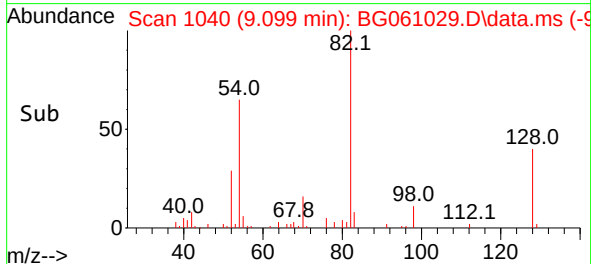
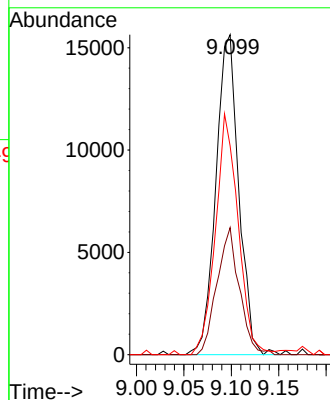
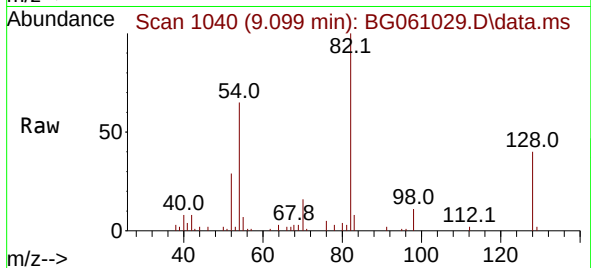
Ion	Ratio	Lower	Upper
82	100		
128	39.7	32.1	48.1
54	65.2	62.3	93.5

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.575 min Scan# 1972

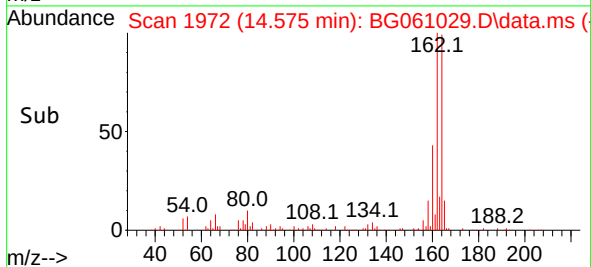
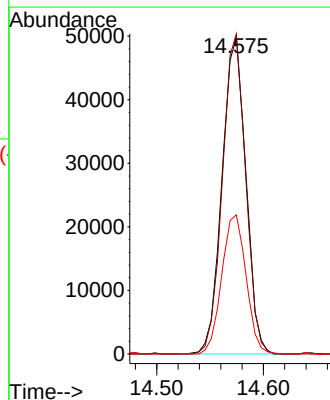
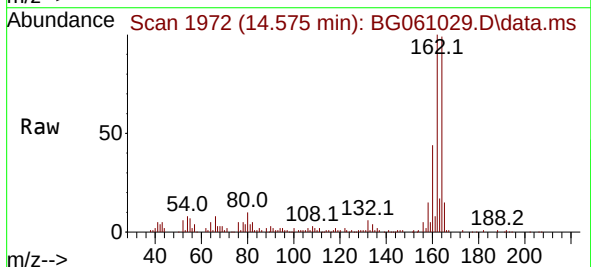
Delta R.T. 0.004 min

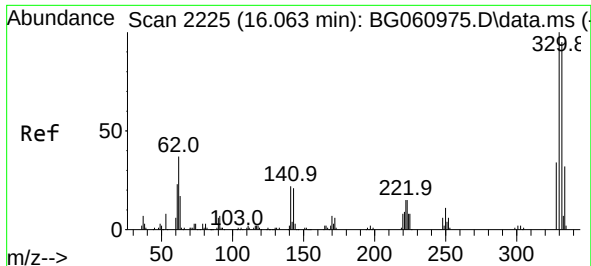
Lab File: BG061029.D

Acq: 24 Apr 2024 18:56

Tgt Ion:164 Resp: 77188

Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.2	121.8
160	44.0	36.2	54.2





#42
2,4,6-Tribromophenol
Concen: 15.359 ng
RT: 16.061 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG061029.D
Acq: 24 Apr 2024 18:56

Instrument :

BNA_G

ClientSampleId :

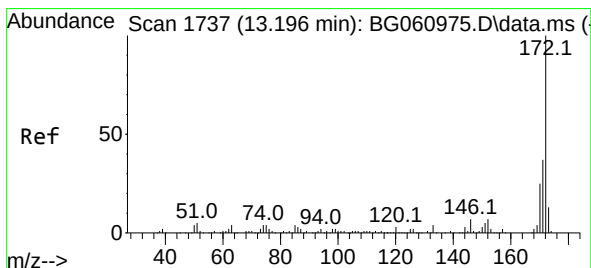
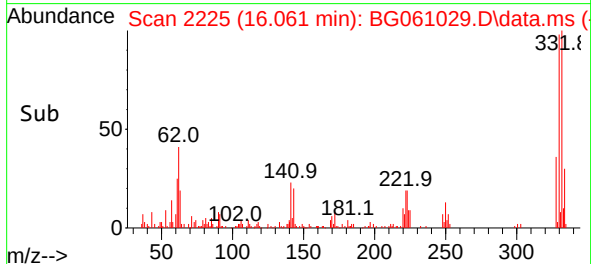
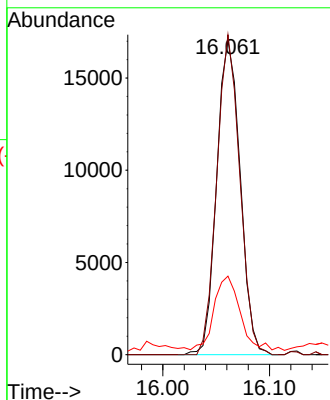
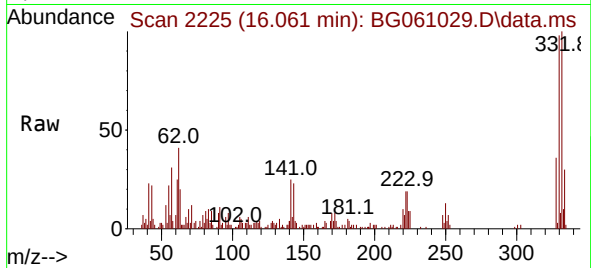
PL-02-04232024

Tgt Ion:330 Resp: 26034
Ion Ratio Lower Upper
330 100
332 99.5 77.1 115.7
141 26.5 20.6 31.0

Manual Integrations

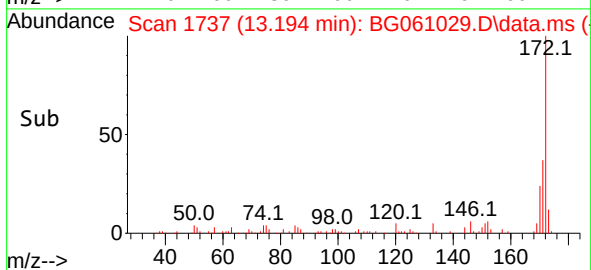
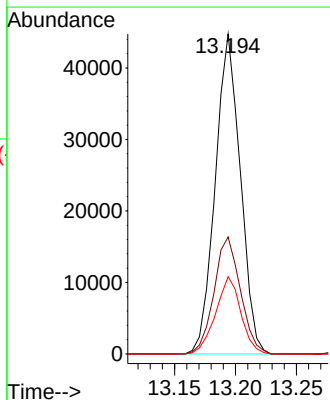
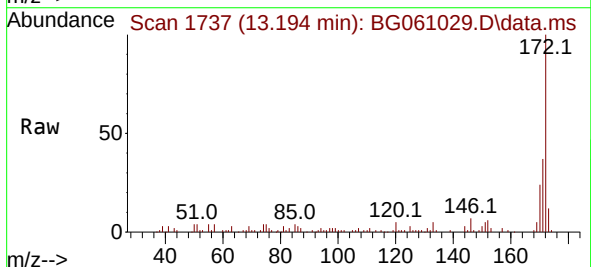
APPROVED

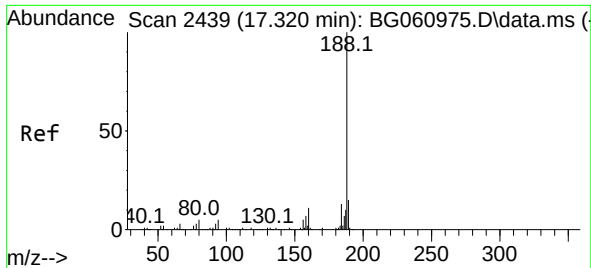
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#45
2-Fluorobiphenyl
Concen: 11.491 ng
RT: 13.194 min Scan# 1737
Delta R.T. -0.002 min
Lab File: BG061029.D
Acq: 24 Apr 2024 18:56

Tgt Ion:172 Resp: 64085
Ion Ratio Lower Upper
172 100
171 36.5 29.3 43.9
170 24.2 20.1 30.1





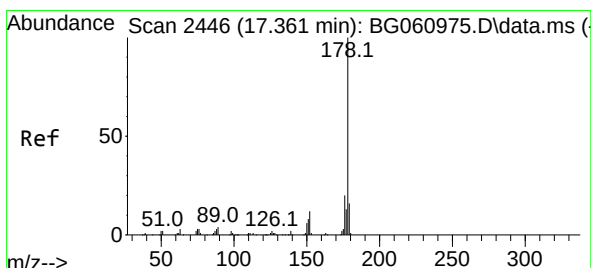
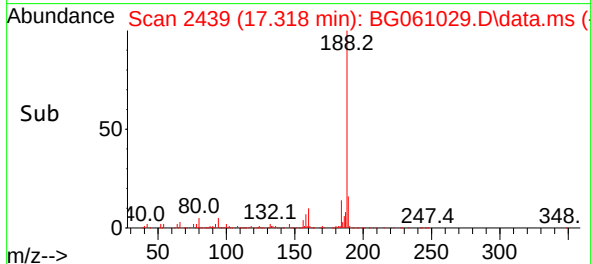
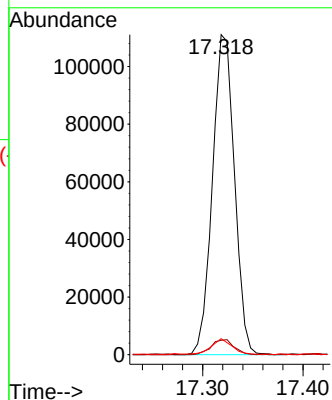
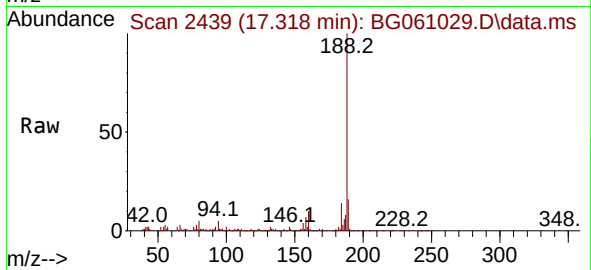
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.318 min Scan# 2439
Delta R.T. -0.002 min
Lab File: BG061029.D
Acq: 24 Apr 2024 18:56

Instrument :
BNA_G
ClientSampleId :
PL-02-04232024

Tgt Ion:188 Resp: 169374
Ion Ratio Lower Upper
188 100
94 4.5 4.1 6.1
80 5.0 4.0 6.0

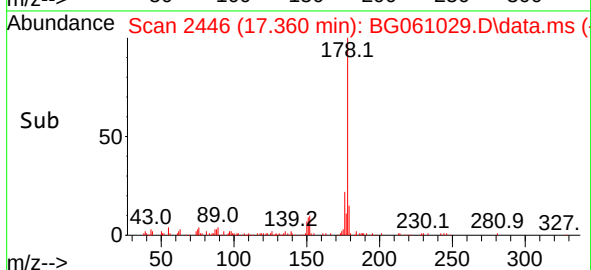
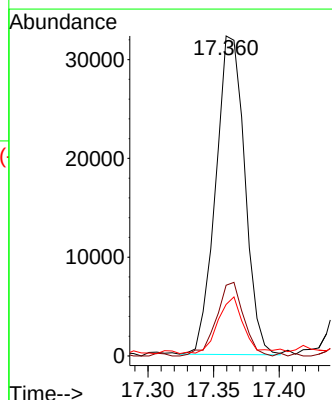
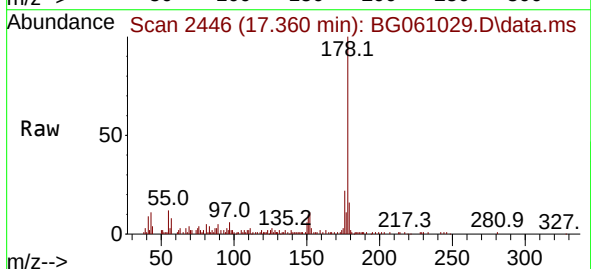
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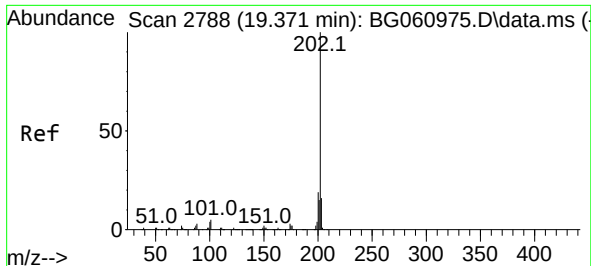
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#71
Phenanthrene
Concen: 5.733 ng
RT: 17.360 min Scan# 2446
Delta R.T. -0.001 min
Lab File: BG061029.D
Acq: 24 Apr 2024 18:56

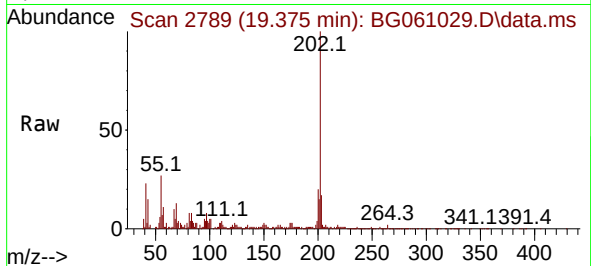
Tgt Ion:178 Resp: 49562
Ion Ratio Lower Upper
178 100
176 22.1 16.0 24.0
179 16.1 12.5 18.7





#75
Fluoranthene
Concen: 10.844 ng
RT: 19.375 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG061029.D
Acq: 24 Apr 2024 18:56

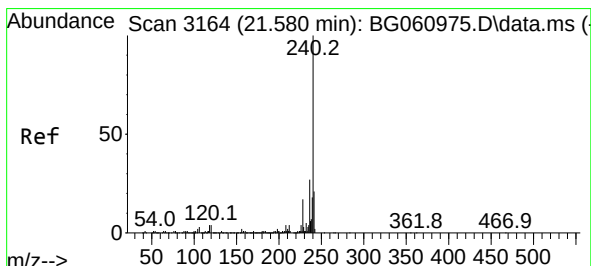
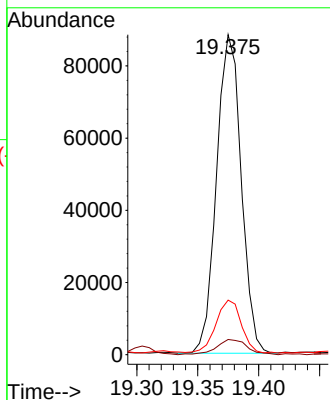
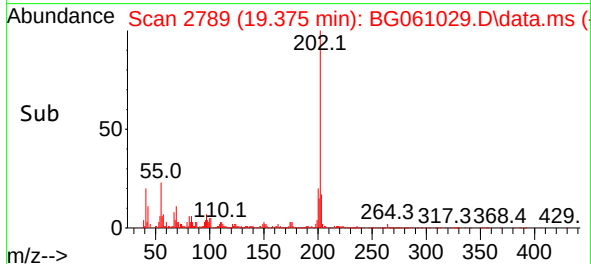
Instrument :
BNA_G
ClientSampleId :
PL-02-04232024



Tgt Ion:202 Resp: 124419
Ion Ratio Lower Upper
202 100
101 4.7 0.0 24.9
203 17.0 0.0 36.2

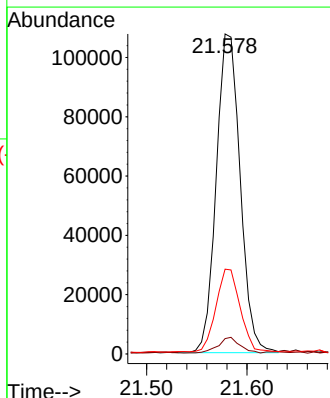
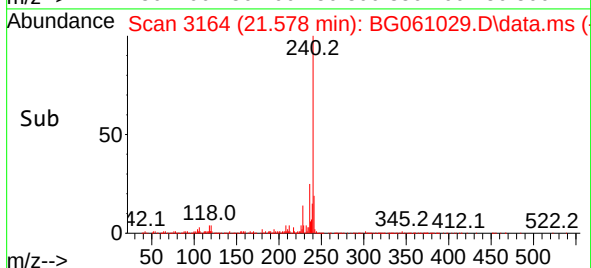
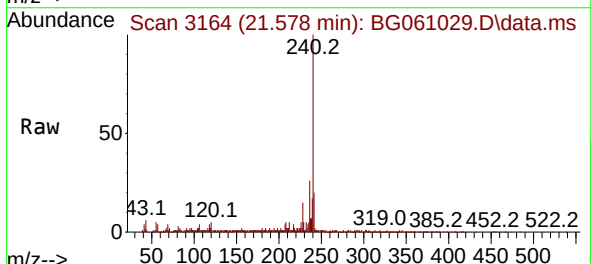
Manual Integrations
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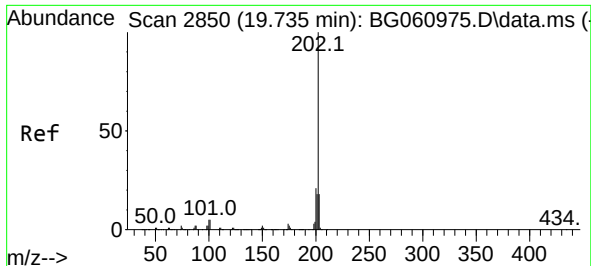
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.578 min Scan# 3164
Delta R.T. -0.002 min
Lab File: BG061029.D
Acq: 24 Apr 2024 18:56

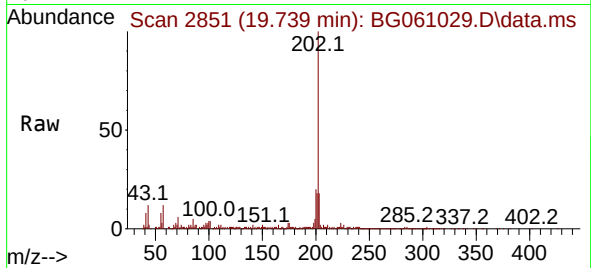
Tgt Ion:240 Resp: 177762
Ion Ratio Lower Upper
240 100
120 4.8 3.0 4.6#
236 26.5 21.8 32.6





#78
 Pyrene
 Concen: 9.996 ng
 RT: 19.739 min Scan# 2850
 Delta R.T. 0.004 min
 Lab File: BG061029.D
 Acq: 24 Apr 2024 18:56

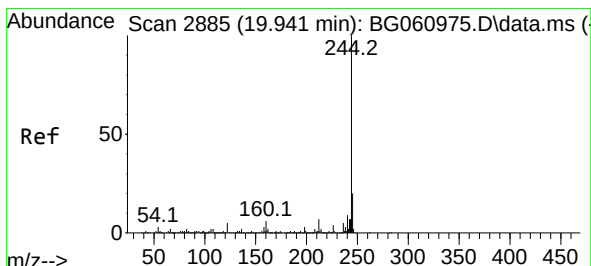
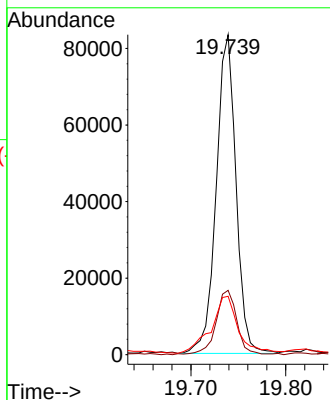
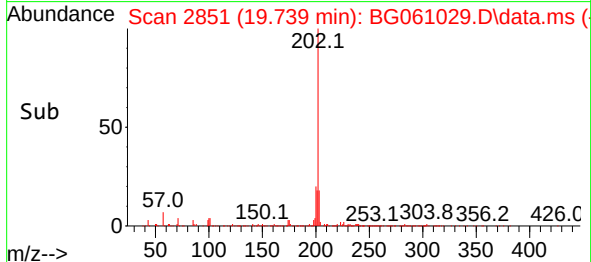
Instrument :
 BNA_G
 ClientSampleId :
 PL-02-04232024



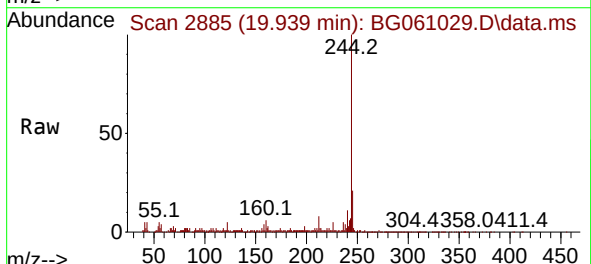
Tgt Ion:202 Resp: 120985
 Ion Ratio Lower Upper
 202 100
 200 20.1 16.8 25.2
 203 18.2 14.2 21.2

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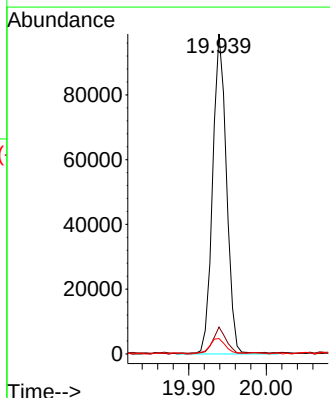
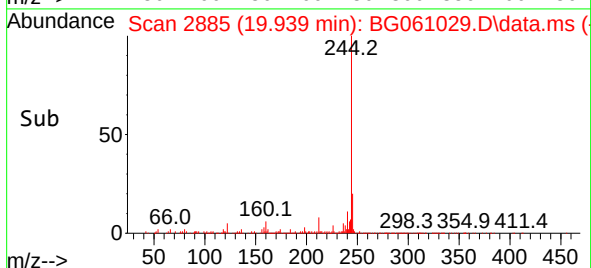
Reviewed By :Yogesh Patel 04/26/2024
 Supervised By :mohammad ahmed 04/27/2024

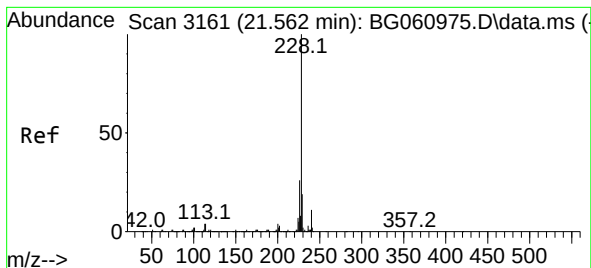


#79
 Terphenyl-d14
 Concen: 10.729 ng
 RT: 19.939 min Scan# 2885
 Delta R.T. -0.002 min
 Lab File: BG061029.D
 Acq: 24 Apr 2024 18:56



Tgt Ion:244 Resp: 122872
 Ion Ratio Lower Upper
 244 100
 212 8.4 5.9 8.9
 122 4.8 4.2 6.2





#81

Benzo(a)anthracene

Concen: 5.641 ng

RT: 21.561 min Scan# 3161

Delta R.T. -0.002 min

Lab File: BG061029.D

Acq: 24 Apr 2024 18:56

Instrument :

BNA_G

ClientSampleId :

PL-02-04232024

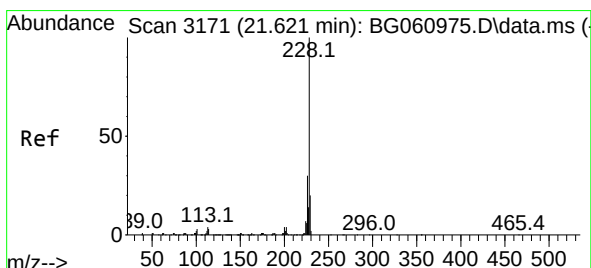
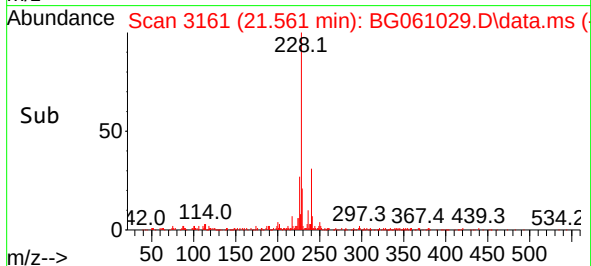
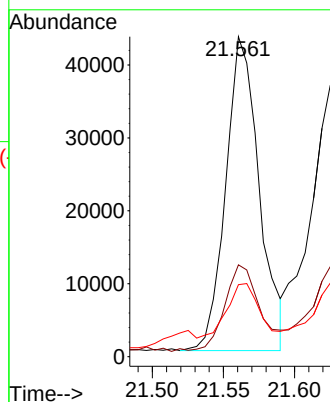
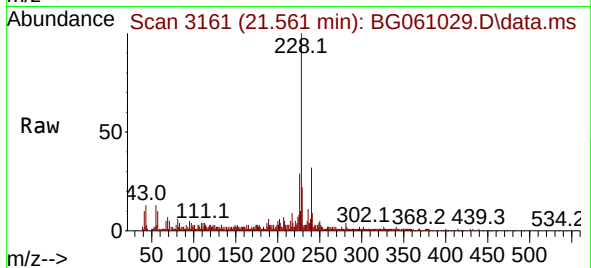
Tgt Ion:228	Resp:	70499
Ion Ratio	Lower	Upper
228	100	
226	28.7	21.0 31.4
229	22.5	15.0 22.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#83

Chrysene

Concen: 5.594 ng m

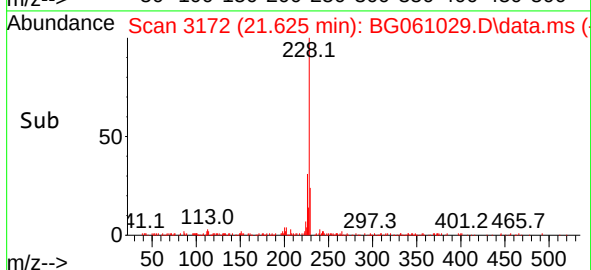
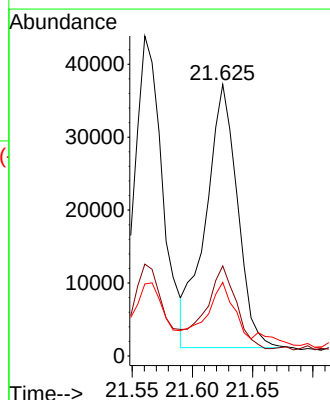
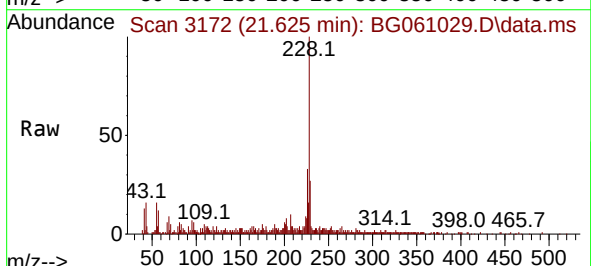
RT: 21.625 min Scan# 3172

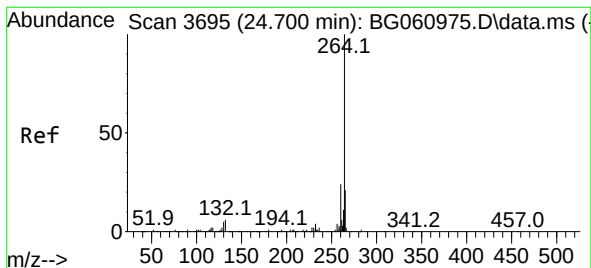
Delta R.T. 0.004 min

Lab File: BG061029.D

Acq: 24 Apr 2024 18:56

Tgt Ion:228	Resp:	66557
Ion Ratio	Lower	Upper
228	100	
226	33.2	24.2 36.2
229	27.1	15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.716 min Scan# 30

Delta R.T. 0.016 min

Lab File: BG061029.D

Acq: 24 Apr 2024 18:56

Instrument :

BNA_G

ClientSampleId :

PL-02-04232024

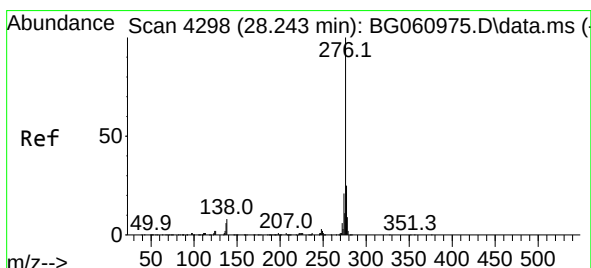
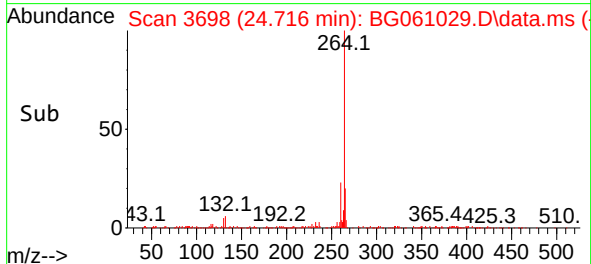
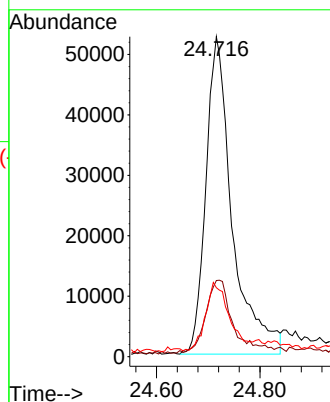
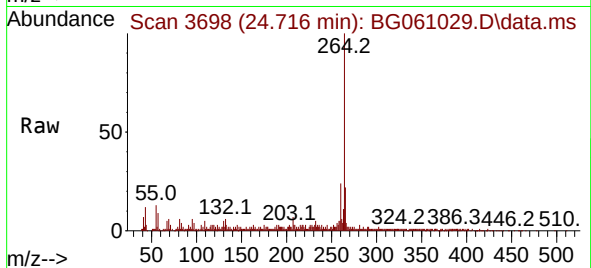
Tgt Ion:	264	Resp:	185939
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.4	29.2
265	21.5	17.0	25.4

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: 2.204 ng m

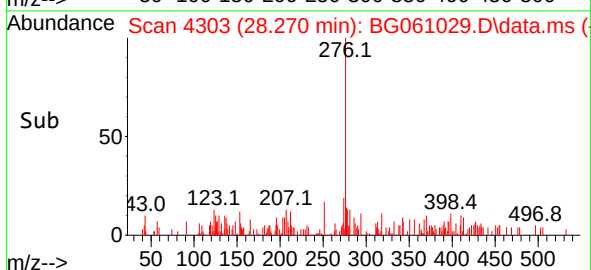
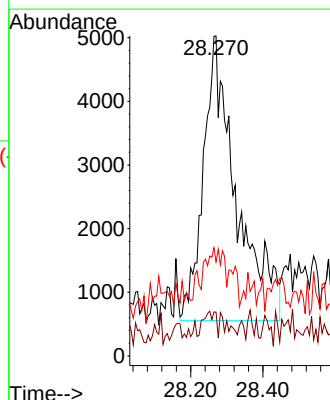
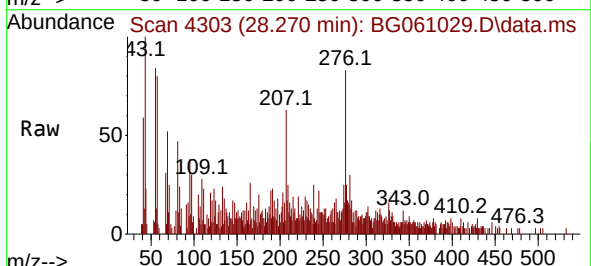
RT: 28.270 min Scan# 4303

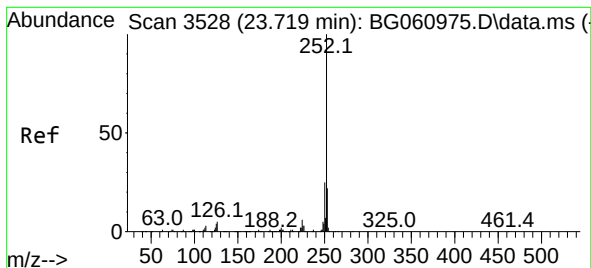
Delta R.T. 0.028 min

Lab File: BG061029.D

Acq: 24 Apr 2024 18:56

Tgt Ion:	276	Resp:	28431
Ion Ratio	Lower	Upper	
276	100		
138	2.1	5.3	7.9#
277	4.2	20.6	30.8#





#88

Benzo(b)fluoranthene

Concen: 6.902 ng

RT: 23.740 min Scan# 3

Delta R.T. 0.022 min

Lab File: BG061029.D

Acq: 24 Apr 2024 18:56

Instrument :

BNA_G

ClientSampleId :

PL-02-04232024

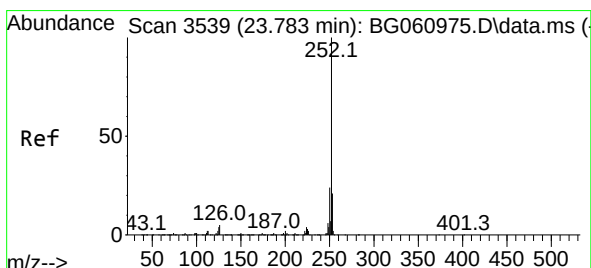
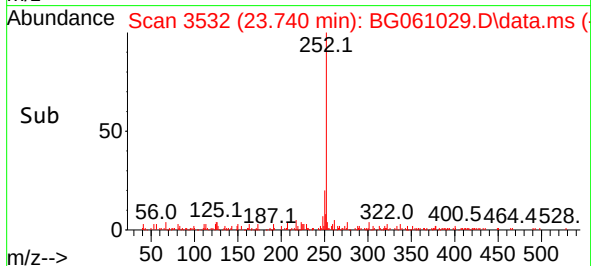
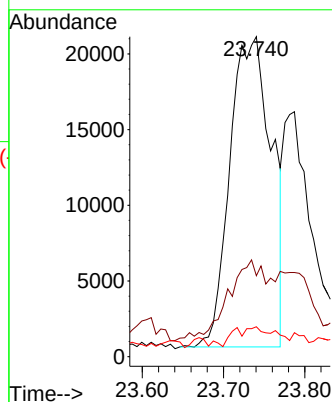
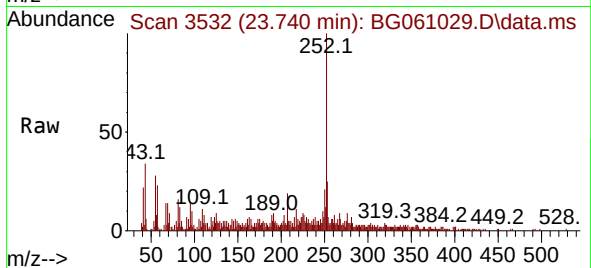
Tgt Ion:	252	Resp:	7273
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.5	26.3
125	9.3	3.3	4.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#89

Benzo(k)fluoranthene

Concen: 3.355 ng m

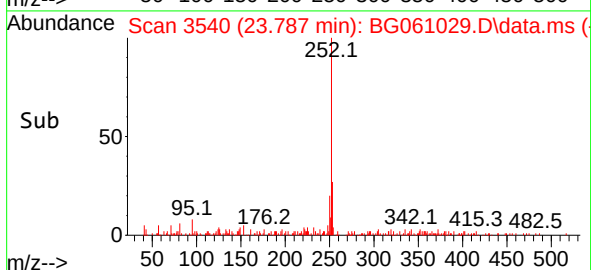
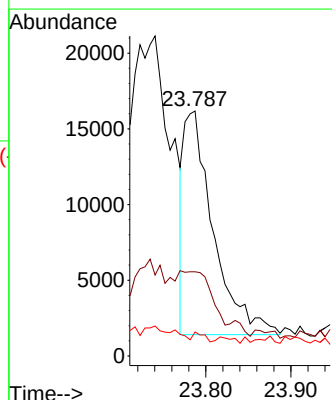
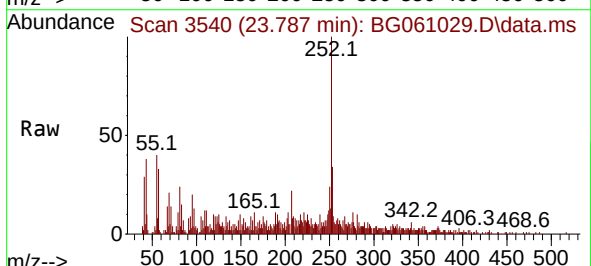
RT: 23.787 min Scan# 3540

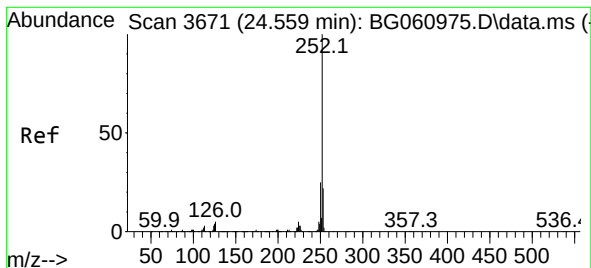
Delta R.T. 0.004 min

Lab File: BG061029.D

Acq: 24 Apr 2024 18:56

Tgt Ion:	252	Resp:	35689
Ion Ratio	Lower	Upper	
252	100		
253	34.3	16.6	25.0#
125	9.8	3.3	4.9#





#90

Benzo(a)pyrene

Concen: 5.771 ng

RT: 24.569 min Scan# 30

Delta R.T. 0.010 min

Lab File: BG061029.D

Acq: 24 Apr 2024 18:56

Instrument :

BNA_G

ClientSampleId :

PL-02-04232024

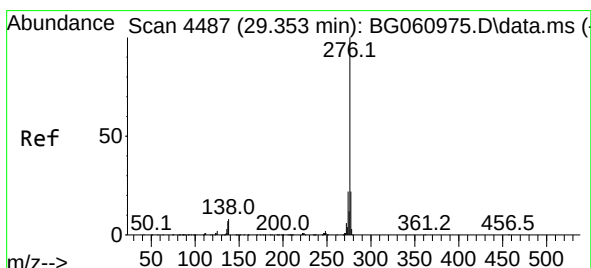
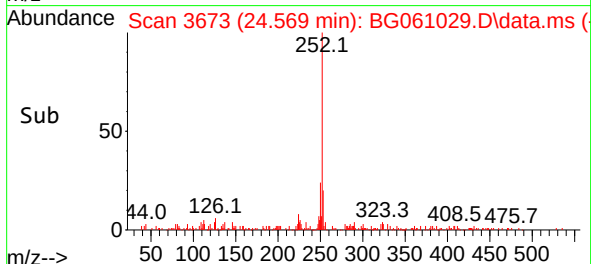
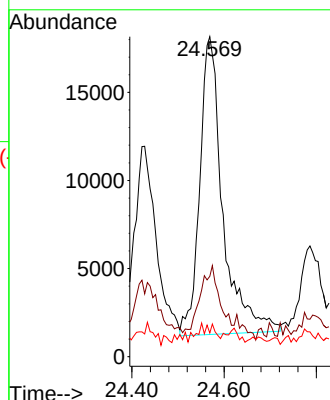
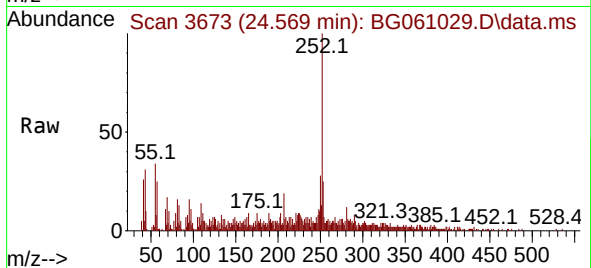
Tgt Ion:	252	Resp:	5885
Ion Ratio	Lower	Upper	
252	100		
253	25.1	17.7	26.5
125	7.4	3.6	5.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#92

Benzo(g,h,i)perylene

Concen: 2.685 ng m

RT: 29.375 min Scan# 4491

Delta R.T. 0.022 min

Lab File: BG061029.D

Acq: 24 Apr 2024 18:56

Tgt Ion:	276	Resp:	28055
Ion Ratio	Lower	Upper	
276	100		
277	40.3	18.0	27.0#
138	21.1	6.5	9.7#

