

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042424\
 Data File : BG061030.D
 Acq On : 24 Apr 2024 19:38
 Operator : MA/JU
 Sample : P2247-04 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PL-03-04232024

Manual Integrations
 APPROVED

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

Quant Time: Apr 25 01:19:49 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	27140	20.000	ng	0.00
21) Naphthalene-d8	10.744	136	98270	20.000	ng	0.00
39) Acenaphthene-d10	14.575	164	72457	20.000	ng	0.00
64) Phenanthrene-d10	17.325	188	161528	20.000	ng	# 0.00
76) Chrysene-d12	21.584	240	173635	20.000	ng	0.00
86) Perylene-d12	24.728	264	169201m	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.538	112	24072	17.941	ng	0.01
7) Phenol-d6	7.113	99	30390	15.265	ng	0.00
23) Nitrobenzene-d5	9.099	82	24126	11.030	ng	0.00
42) 2,4,6-Tribromophenol	16.061	330	13706	8.614	ng	0.00
45) 2-Fluorobiphenyl	13.194	172	70604	13.486	ng	0.00
79) Terphenyl-d14	19.939	244	121450	10.857	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.366	178	35930	4.358	ng	98
75) Fluoranthene	19.375	202	74885	6.844	ng	95
78) Pyrene	19.739	202	70858	5.993	ng	98
81) Benzo(a)anthracene	21.567	228	35633	2.919	ng	# 77
83) Chrysene	21.625	228	42984m	3.698	ng	
88) Benzo(b)fluoranthene	23.735	252	39467	4.116	ng	# 76
89) Benzo(k)fluoranthene	23.776	252	21496m	2.221	ng	
90) Benzo(a)pyrene	24.569	252	25618	2.760	ng	# 74

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

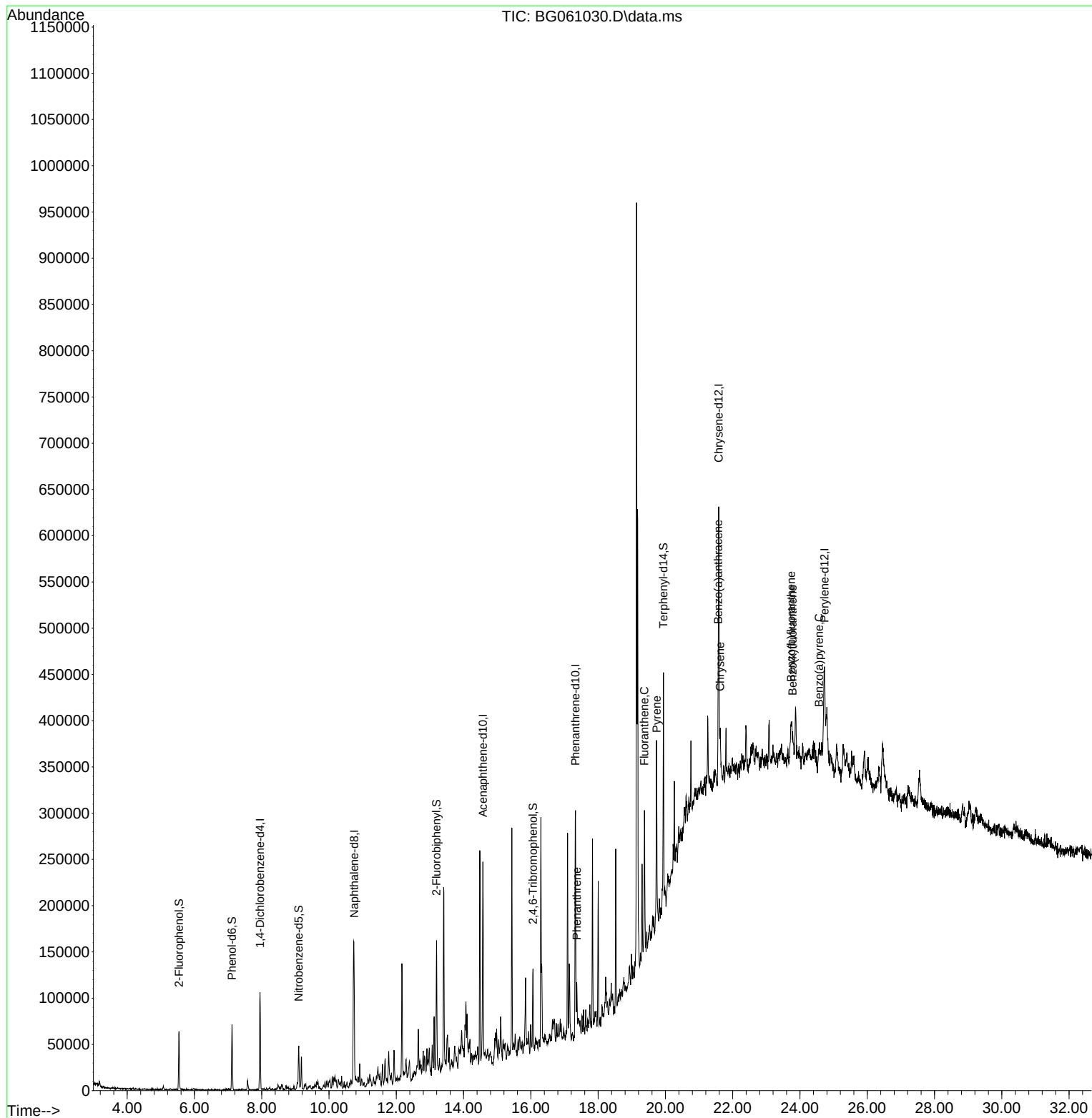
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042424\
Data File : BG061030.D
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ALS Vial : 13 Sample Multiplier: 1

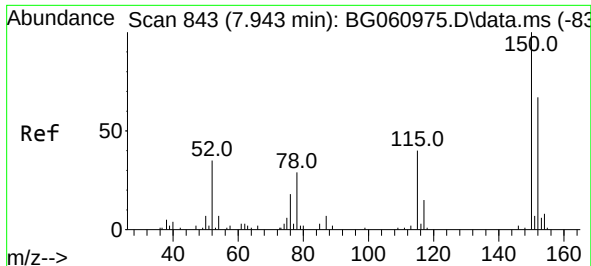
Instrument :
BNA_G
ClientSampleId :
PL-03-04232024

Quant Time: Apr 25 01:19:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

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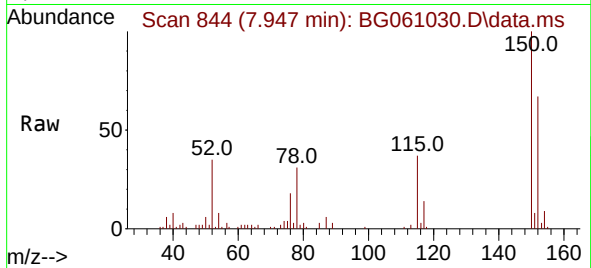
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.947 min Scan# 843
Delta R.T. 0.004 min
Lab File: BG061030.D
Acq: 24 Apr 2024 19:38

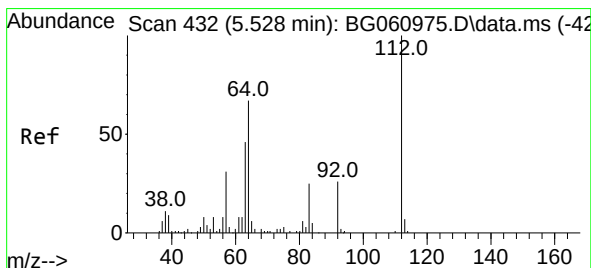
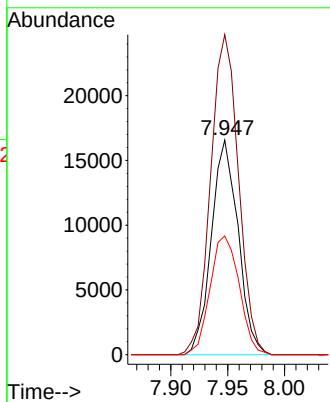
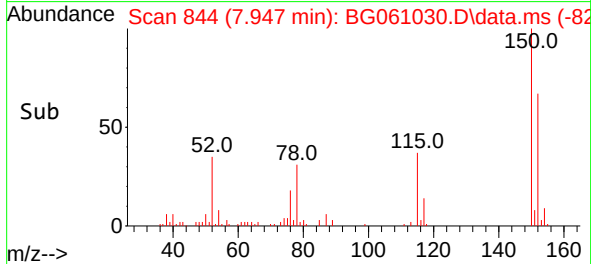
Instrument :
BNA_G
ClientSampleId :
PL-03-04232024



Tgt Ion:152 Resp: 27140
Ion Ratio Lower Upper
152 100
150 149.1 118.6 178.0
115 55.3 47.4 71.0

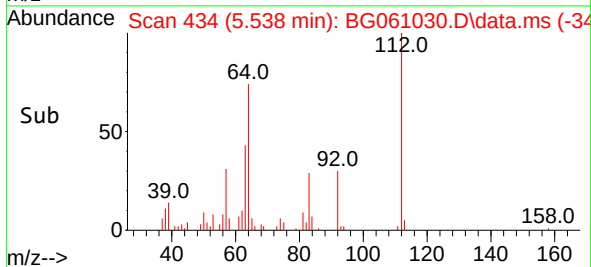
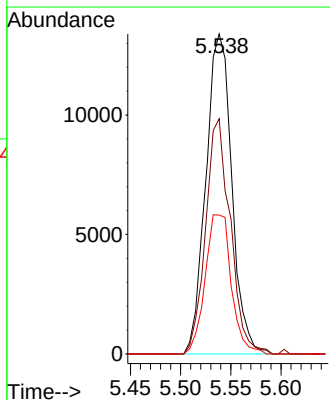
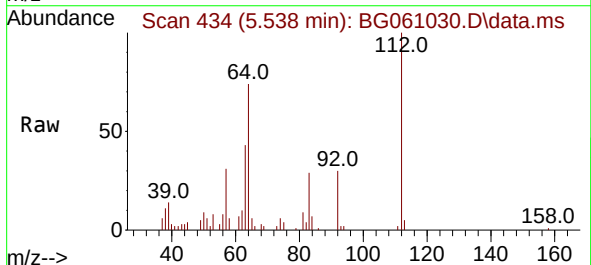
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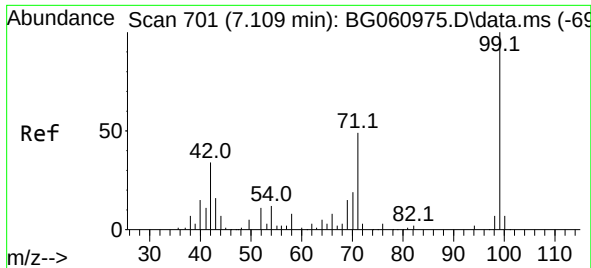
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#5
2-Fluorophenol
Concen: 17.941 ng
RT: 5.538 min Scan# 434
Delta R.T. 0.010 min
Lab File: BG061030.D
Acq: 24 Apr 2024 19:38

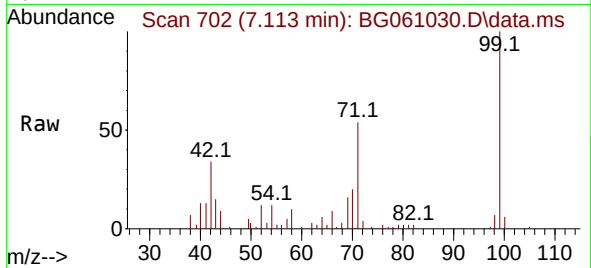
Tgt Ion:112 Resp: 24072
Ion Ratio Lower Upper
112 100
64 73.5 53.7 80.5
63 43.4 37.0 55.6





#7
Phenol-d6
Concen: 15.265 ng
RT: 7.113 min Scan# 701
Delta R.T. 0.004 min
Lab File: BG061030.D
Acq: 24 Apr 2024 19:38

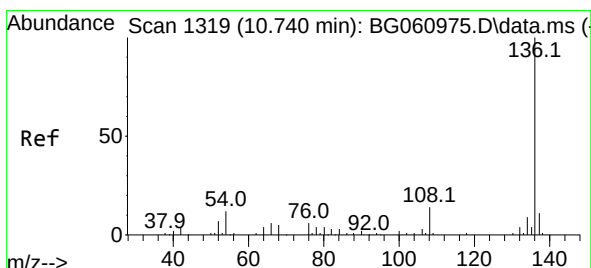
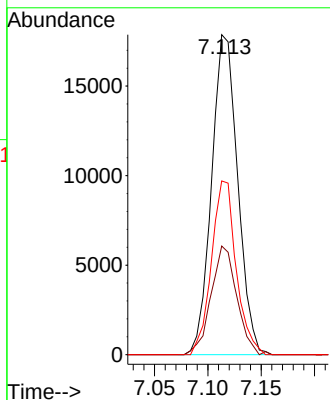
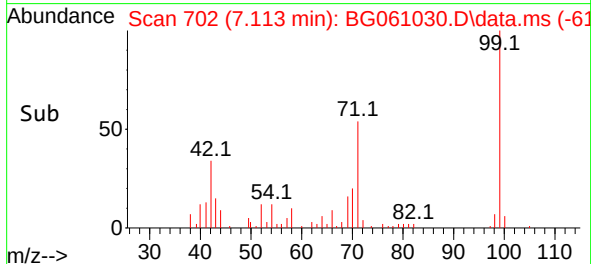
Instrument :
BNA_G
ClientSampleId :
PL-03-04232024



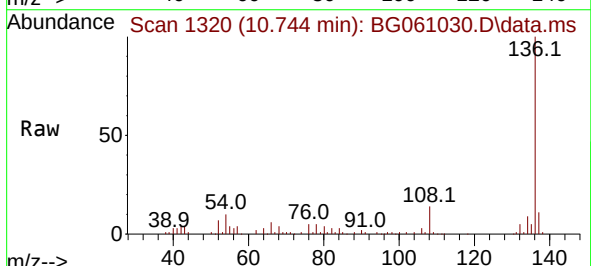
Tgt Ion: 99 Resp: 30390
Ion Ratio Lower Upper
99 100
42 33.9 27.2 40.8
71 54.3 38.8 58.2

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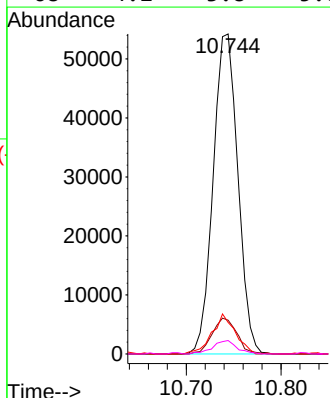
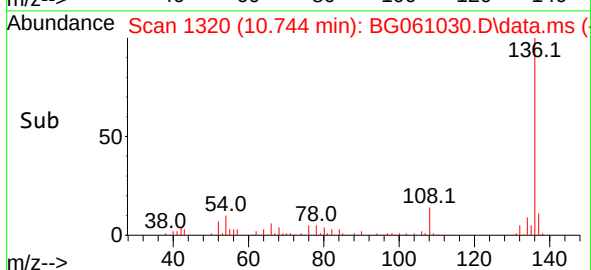
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

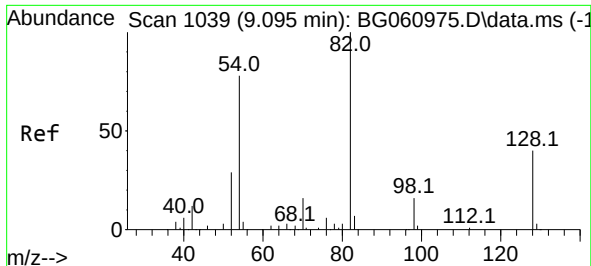


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.744 min Scan# 1320
Delta R.T. 0.004 min
Lab File: BG061030.D
Acq: 24 Apr 2024 19:38



Tgt Ion:136 Resp: 98270
Ion Ratio Lower Upper
136 100
137 10.5 8.5 12.7
54 9.9 9.4 14.0
68 4.2 3.8 5.6





#23

Nitrobenzene-d5

Concen: 11.030 ng

RT: 9.099 min Scan# 1039

Delta R.T. 0.004 min

Lab File: BG061030.D

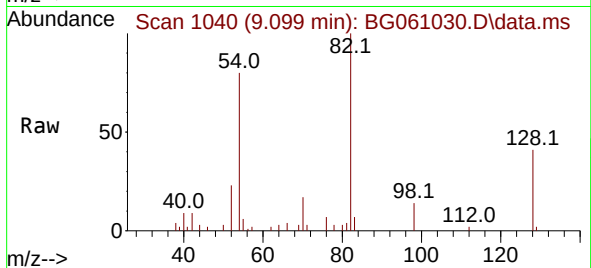
Acq: 24 Apr 2024 19:38

Instrument :

BNA_G

ClientSampleId :

PL-03-04232024



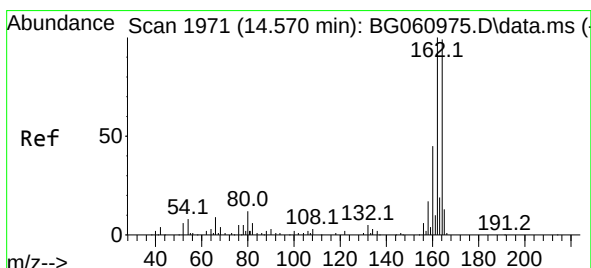
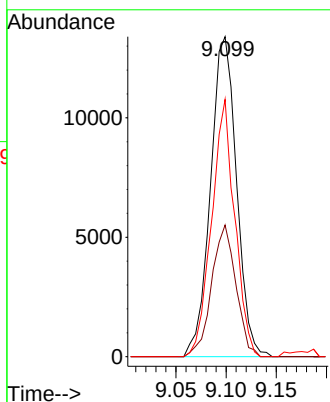
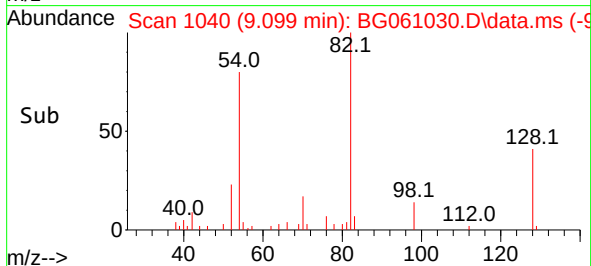
Tgt Ion:	82	Resp:	24120
Ion Ratio	Lower	Upper	
82	100		
128	41.2	32.1	48.1
54	80.4	62.3	93.5

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

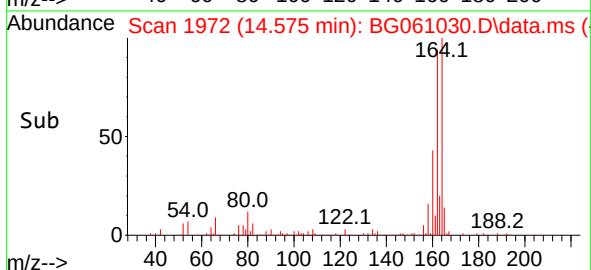
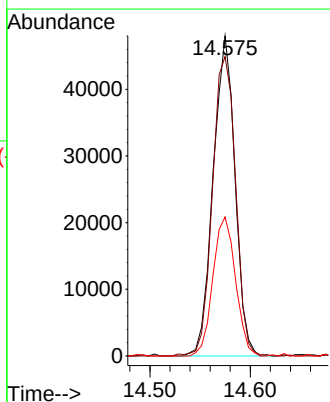
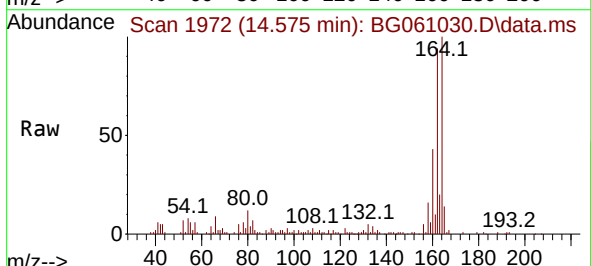
RT: 14.575 min Scan# 1972

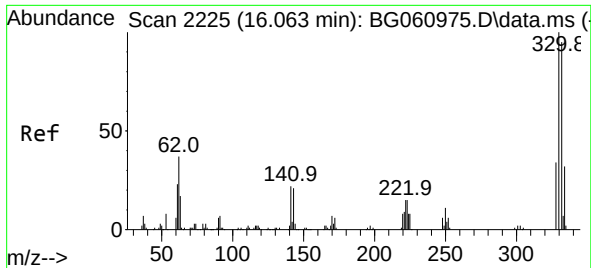
Delta R.T. 0.004 min

Lab File: BG061030.D

Acq: 24 Apr 2024 19:38

Tgt Ion:	164	Resp:	72457
Ion Ratio	Lower	Upper	
164	100		
162	93.6	81.2	121.8
160	43.5	36.2	54.2





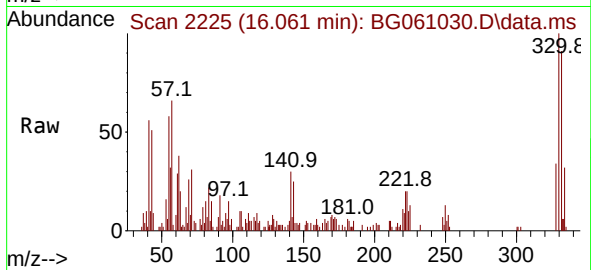
#42
2,4,6-Tribromophenol
Concen: 8.614 ng
RT: 16.061 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG061030.D
Acq: 24 Apr 2024 19:38

Instrument :

BNA_G

ClientSampleId :

PL-03-04232024



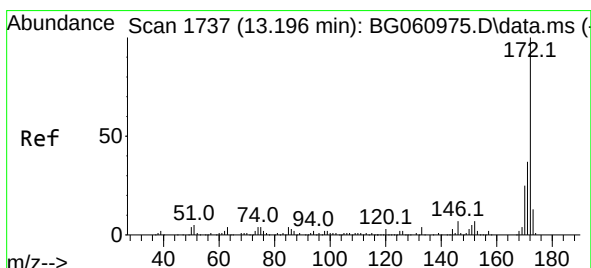
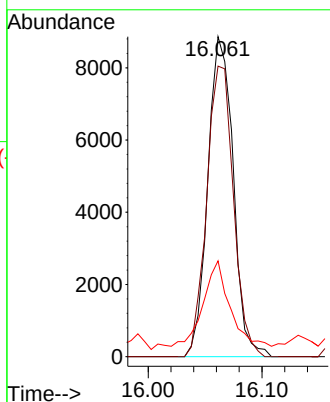
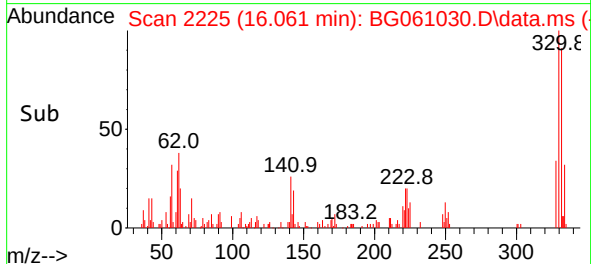
Tgt Ion:330 Resp: 13700
Ion Ratio Lower Upper
330 100
332 95.9 77.1 115.7
141 27.4 20.6 31.0

Manual Integrations

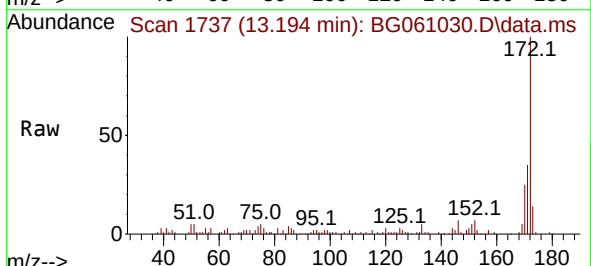
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Reviewed By :Yogesh Patel 04/26/2024

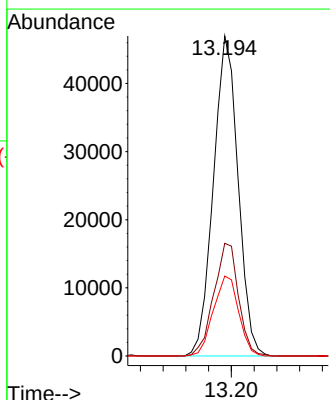
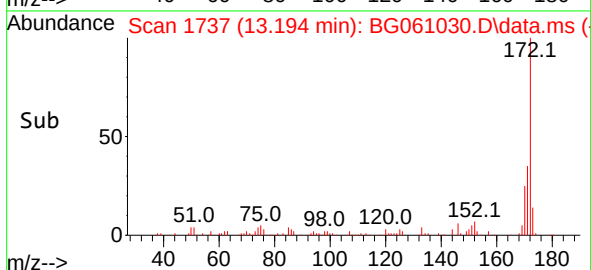
Supervised By :mohammad ahmed 04/27/2024

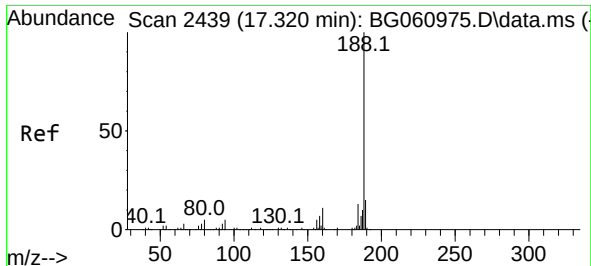


#45
2-Fluorobiphenyl
Concen: 13.486 ng
RT: 13.194 min Scan# 1737
Delta R.T. -0.001 min
Lab File: BG061030.D
Acq: 24 Apr 2024 19:38



Tgt Ion:172 Resp: 70604
Ion Ratio Lower Upper
172 100
171 35.2 29.3 43.9
170 24.9 20.1 30.1





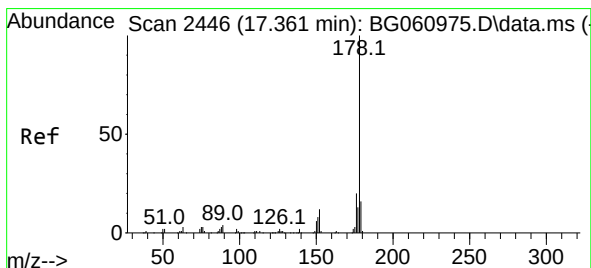
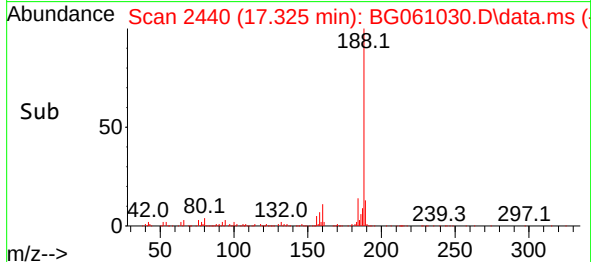
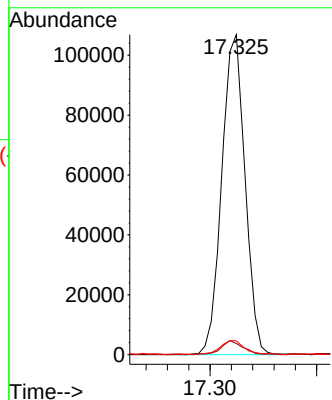
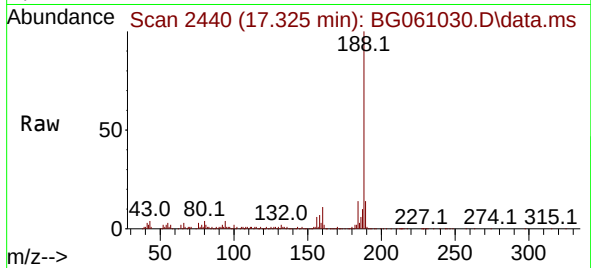
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.325 min Scan# 2439
Delta R.T. 0.004 min
Lab File: BG061030.D
Acq: 24 Apr 2024 19:38

Instrument :
BNA_G
ClientSampleId :
PL-03-04232024

Tgt Ion:188 Resp: 161528
Ion Ratio Lower Upper
188 100
94 3.5 4.1 6.1
80 4.3 4.0 6.0

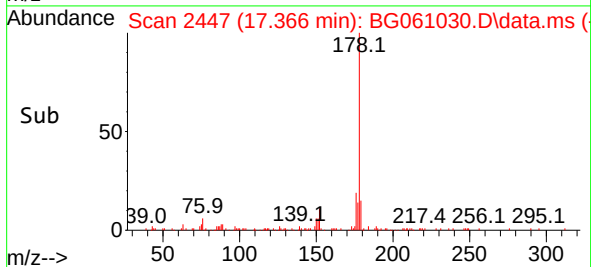
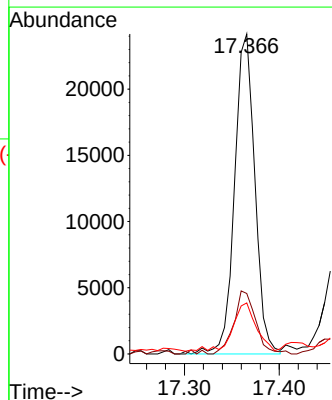
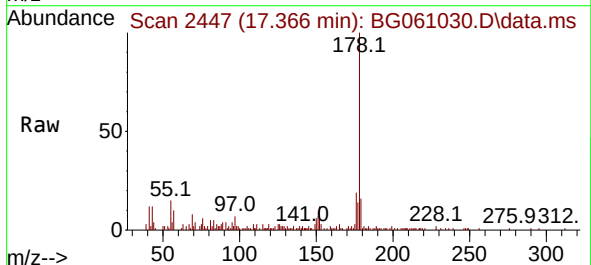
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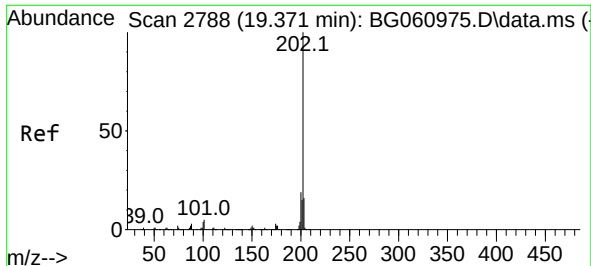
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#71
Phenanthrene
Concen: 4.358 ng
RT: 17.366 min Scan# 2447
Delta R.T. 0.005 min
Lab File: BG061030.D
Acq: 24 Apr 2024 19:38

Tgt Ion:178 Resp: 35930
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 15.9 12.5 18.7





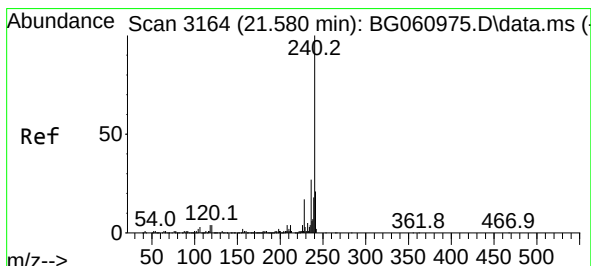
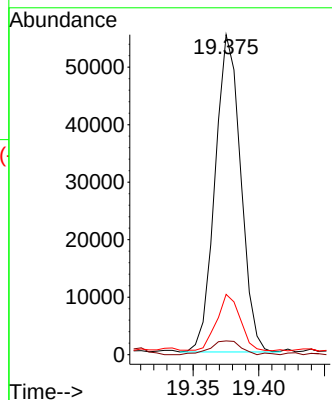
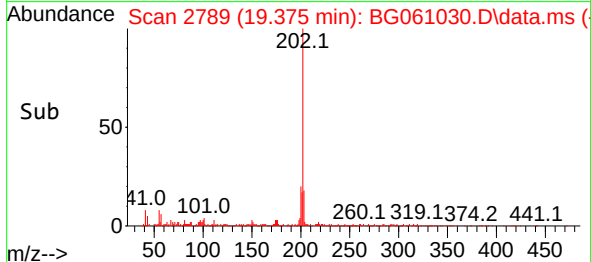
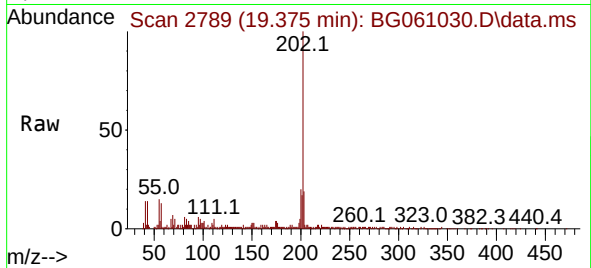
#75
Fluoranthene
Concen: 6.844 ng
RT: 19.375 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG061030.D
Acq: 24 Apr 2024 19:38

Instrument :
BNA_G
ClientSampleId :
PL-03-04232024

Tgt Ion:202 Resp: 7488
Ion Ratio Lower Upper
202 100
101 4.3 0.0 24.9
203 18.9 0.0 36.2

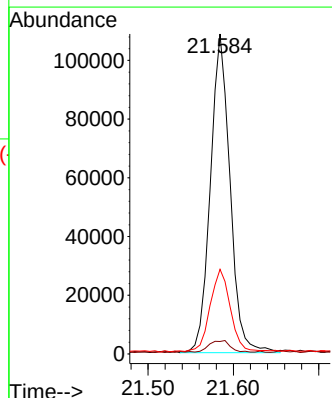
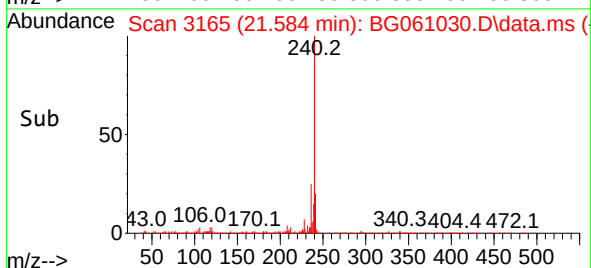
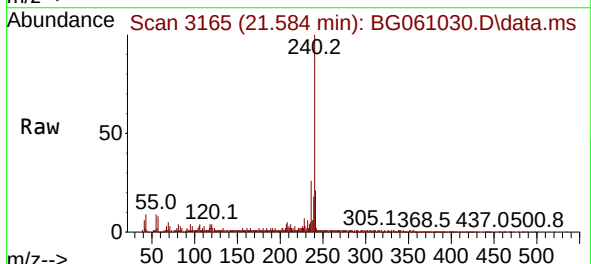
Manual Integrations
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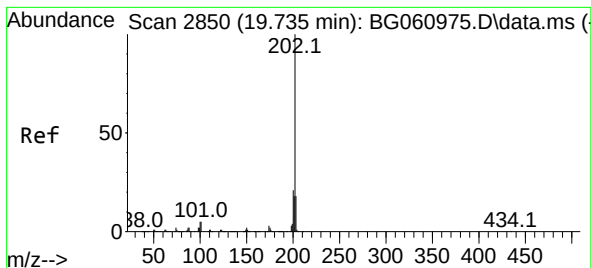
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.584 min Scan# 3165
Delta R.T. 0.004 min
Lab File: BG061030.D
Acq: 24 Apr 2024 19:38

Tgt Ion:240 Resp: 173635
Ion Ratio Lower Upper
240 100
120 3.9 3.0 4.6
236 26.5 21.8 32.6





#78

Pyrene

Concen: 5.993 ng

RT: 19.739 min Scan# 2850

Delta R.T. 0.004 min

Lab File: BG061030.D

Acq: 24 Apr 2024 19:38

Instrument :

BNA_G

ClientSampleId :

PL-03-04232024

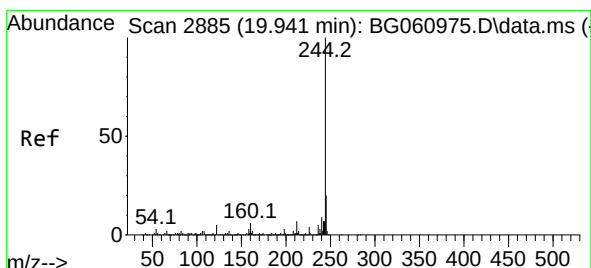
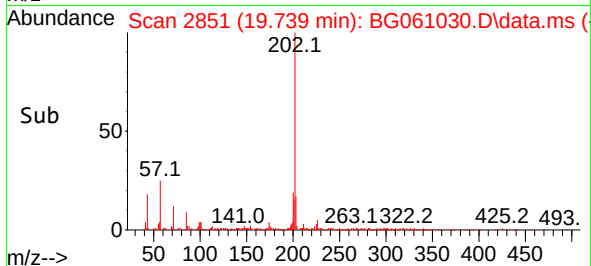
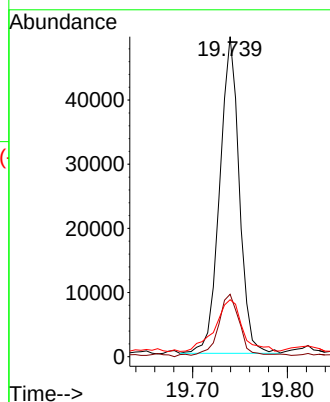
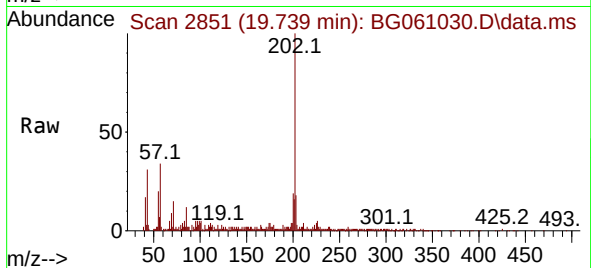
Tgt Ion:	202	Resp:	7085
Ion Ratio	Lower	Upper	
202	100		
200	19.5	16.8	25.2
203	17.8	14.2	21.2

Manual Integrations

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Supervised By :mohammad ahmed 04/27/2024



#79

Terphenyl-d14

Concen: 10.857 ng

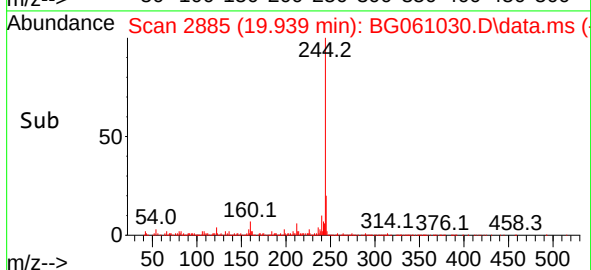
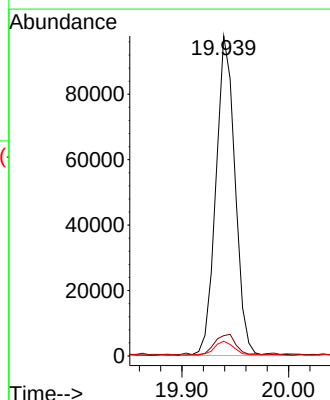
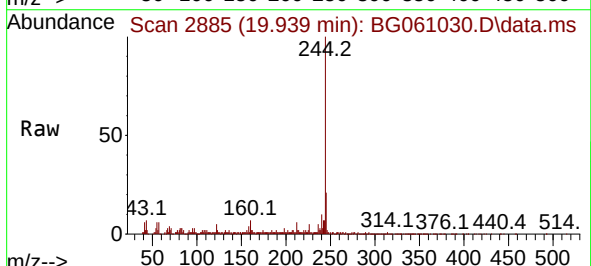
RT: 19.939 min Scan# 2885

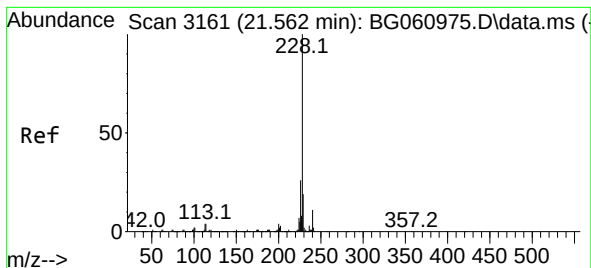
Delta R.T. -0.001 min

Lab File: BG061030.D

Acq: 24 Apr 2024 19:38

Tgt Ion:	244	Resp:	121450
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.9	8.9
122	4.6	4.2	6.2





#81

Benzo(a)anthracene

Concen: 2.919 ng

RT: 21.567 min Scan# 3161

Delta R.T. 0.004 min

Lab File: BG061030.D

Acq: 24 Apr 2024 19:38

Instrument :

BNA_G

ClientSampleId :

PL-03-04232024

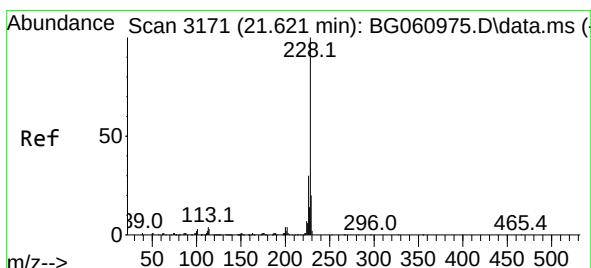
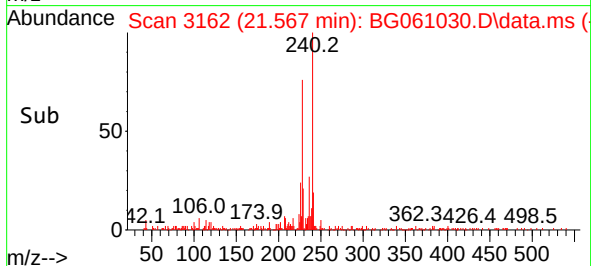
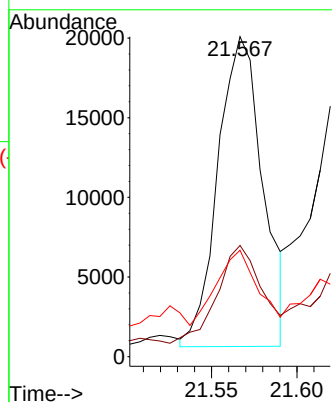
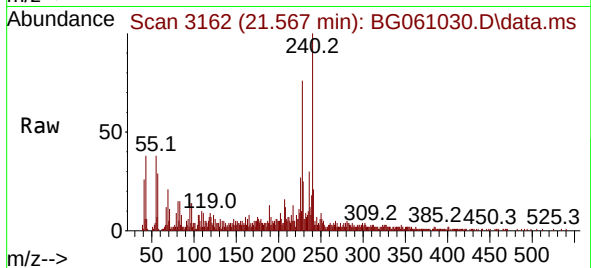
Tgt Ion:	228	Resp:	3563
Ion Ratio	Lower	Upper	
228	100		
226	34.7	21.0	31.4
229	33.3	15.0	22.4

Manual Integrations

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Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#83

Chrysene

Concen: 3.698 ng m

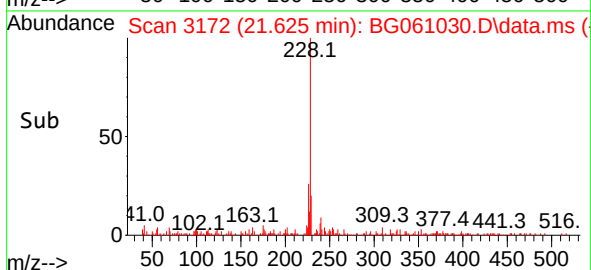
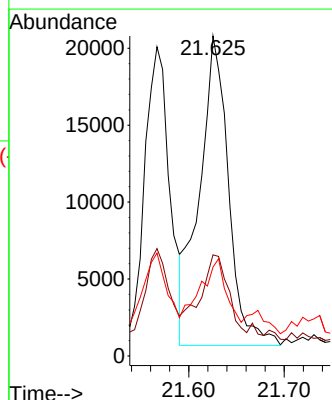
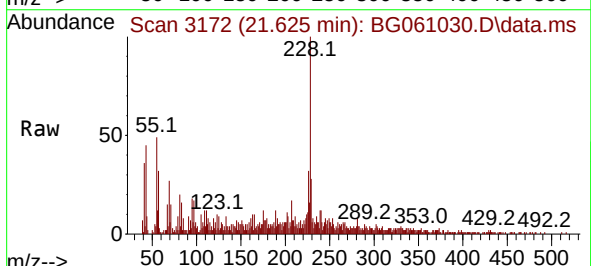
RT: 21.625 min Scan# 3172

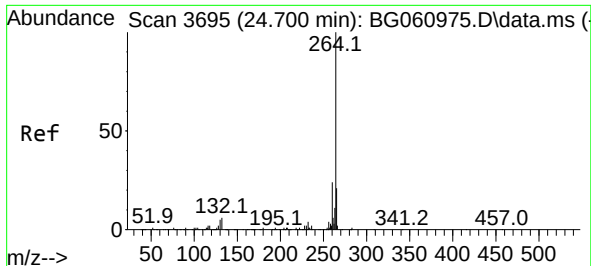
Delta R.T. 0.004 min

Lab File: BG061030.D

Acq: 24 Apr 2024 19:38

Tgt Ion:	228	Resp:	42984
Ion Ratio	Lower	Upper	
228	100		
226	31.6	24.2	36.2
229	27.8	15.7	23.5





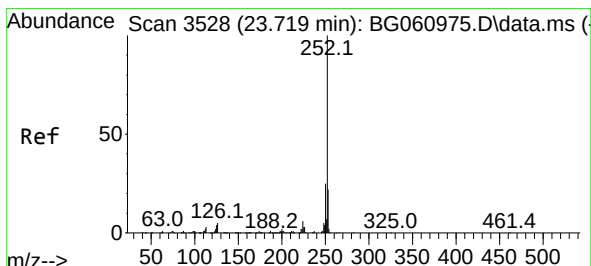
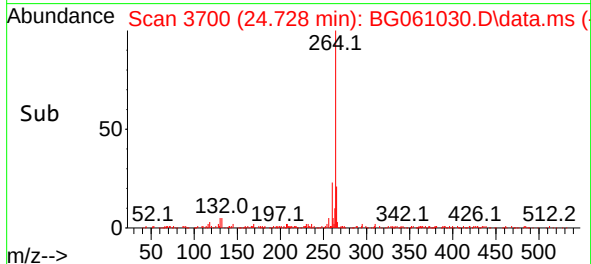
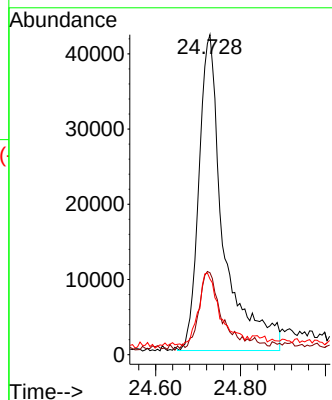
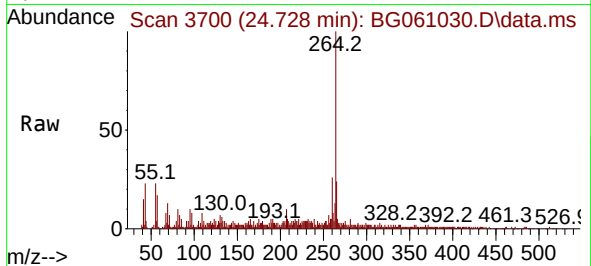
#86
Perylene-d12
Concen: 20.000 ng m
RT: 24.728 min Scan# 31
Delta R.T. 0.028 min
Lab File: BG061030.D
Acq: 24 Apr 2024 19:38

Instrument :
BNA_G
ClientSampleId :
PL-03-04232024

Tgt Ion:264 Resp: 16920
Ion Ratio Lower Upper
264 100
260 25.6 19.4 29.2
265 23.7 17.0 25.4

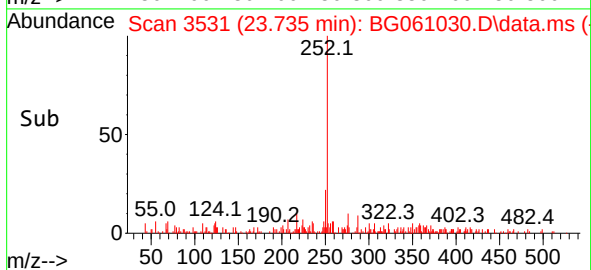
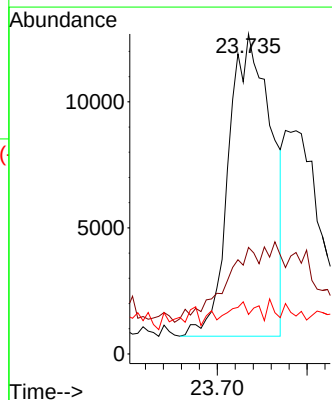
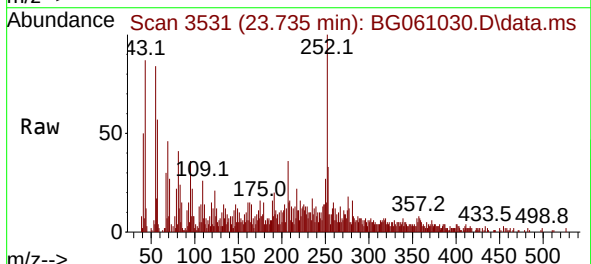
Manual Integrations
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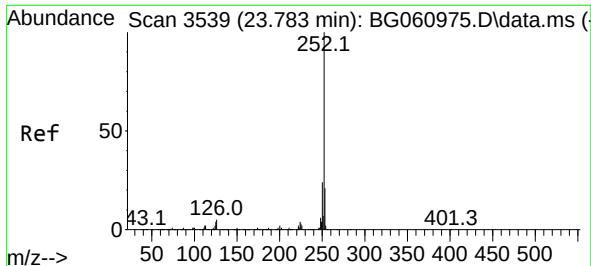
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#88
Benzo(b)fluoranthene
Concen: 4.116 ng
RT: 23.735 min Scan# 3531
Delta R.T. 0.016 min
Lab File: BG061030.D
Acq: 24 Apr 2024 19:38

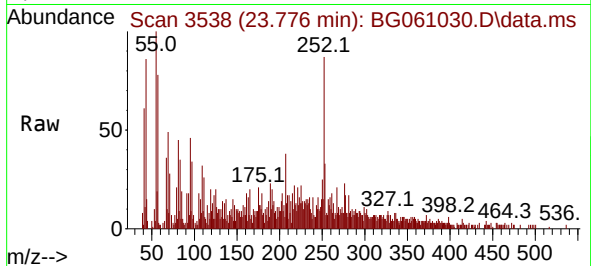
Tgt Ion:252 Resp: 39467
Ion Ratio Lower Upper
252 100
253 33.3 17.5 26.3#
125 12.3 3.3 4.9#





#89
Benzo(k)fluoranthene
Concen: 2.221 ng m
RT: 23.776 min Scan# 3539
Delta R.T. -0.007 min
Lab File: BG061030.D
Acq: 24 Apr 2024 19:38

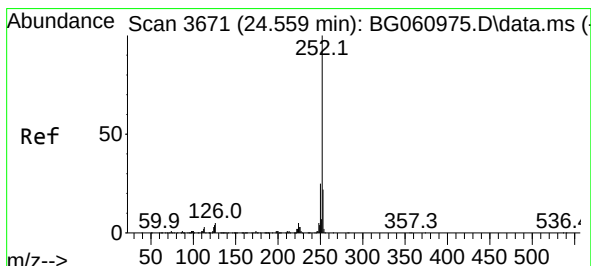
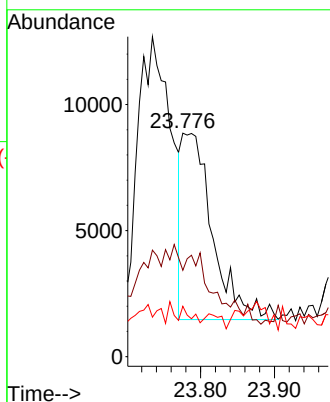
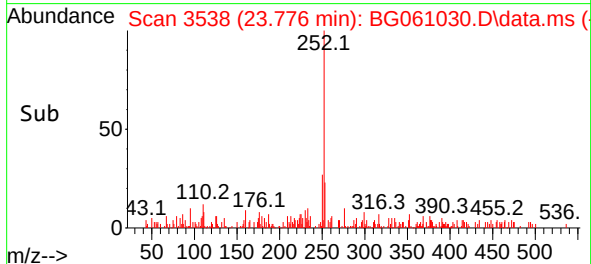
Instrument :
BNA_G
ClientSampleId :
PL-03-04232024



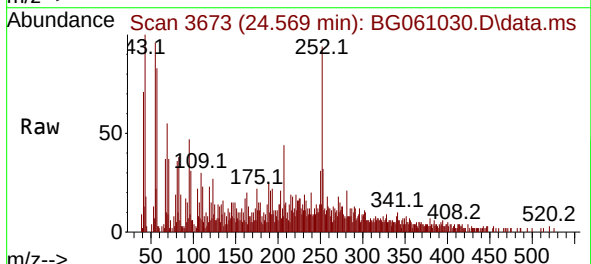
Tgt Ion:252 Resp: 21490
Ion Ratio Lower Upper
252 100
253 38.7 16.6 25.0#
125 22.6 3.3 4.9#

Manual Integrations
APPROVED

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



#90
Benzo(a)pyrene
Concen: 2.760 ng
RT: 24.569 min Scan# 3673
Delta R.T. 0.010 min
Lab File: BG061030.D
Acq: 24 Apr 2024 19:38



Tgt Ion:252 Resp: 25618
Ion Ratio Lower Upper
252 100
253 33.9 17.7 26.5#
125 14.4 3.6 5.4#

