

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042424\
 Data File : BG061023.D
 Acq On : 24 Apr 2024 13:18
 Operator : MA/JU
 Sample : P2199-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 STOCK-PILE

Manual Integrations
 APPROVED

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

Quant Time: Apr 24 14:18:43 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	28176	20.000	ng	0.00
21) Naphthalene-d8	10.735	136	109053	20.000	ng	# 0.00
39) Acenaphthene-d10	14.572	164	86809	20.000	ng	0.00
64) Phenanthrene-d10	17.322	188	209457	20.000	ng	0.00
76) Chrysene-d12	21.581	240	222826	20.000	ng	0.00
86) Perylene-d12	24.707	264	279660	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.535	112	168063	120.652	ng	0.00
7) Phenol-d6	7.116	99	220106	106.498	ng	0.00
23) Nitrobenzene-d5	9.096	82	158639	65.358	ng	0.00
42) 2,4,6-Tribromophenol	16.058	330	199376	104.590	ng	0.00
45) 2-Fluorobiphenyl	13.197	172	457211	72.894	ng	0.00
79) Terphenyl-d14	19.942	244	972665	67.757	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.363	178	255486	23.897	ng	98
72) Anthracene	17.451	178	31011	2.816	ng	97
73) Carbazole	17.715	167	19731	2.158	ng	96
75) Fluoranthene	19.378	202	591103	41.660	ng	97
78) Pyrene	19.736	202	512383	33.771	ng	97
81) Benzo(a)anthracene	21.558	228	261070	16.665	ng	96
83) Chrysene	21.622	228	274312	18.391	ng	98
87) Indeno(1,2,3-cd)pyrene	28.250	276	158498	8.170	ng	# 73
88) Benzo(b)fluoranthene	23.720	252	350191	22.097	ng	98
89) Benzo(k)fluoranthene	23.779	252	127388m	7.962	ng	
90) Benzo(a)pyrene	24.554	252	251980	16.426	ng	99
91) Dibenzo(a,h)anthracene	28.279	278	38011m	2.398	ng	
92) Benzo(g,h,i)perylene	29.343	276	148761	9.466	ng	93

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

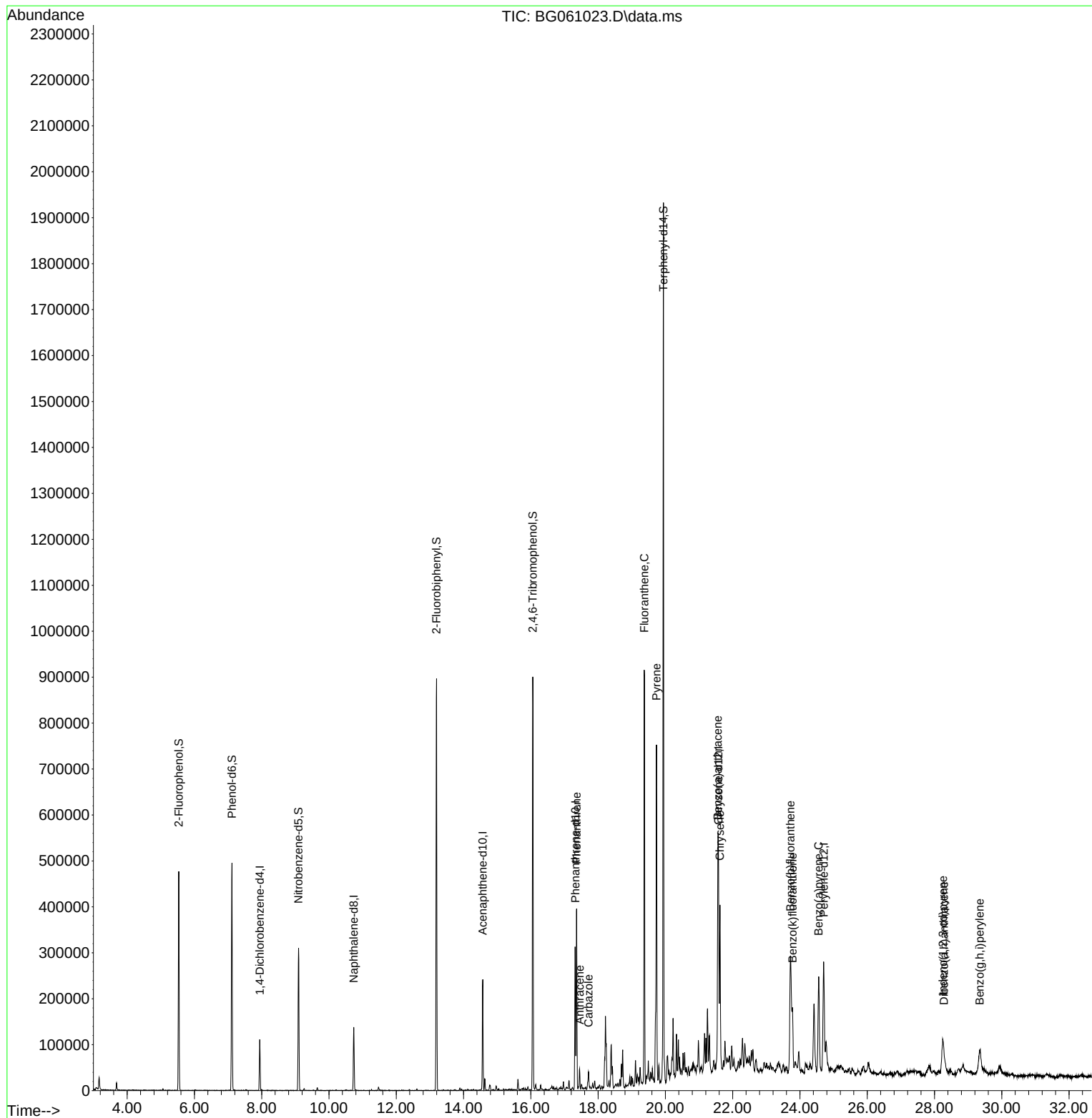
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042424\
Data File : BG061023.D
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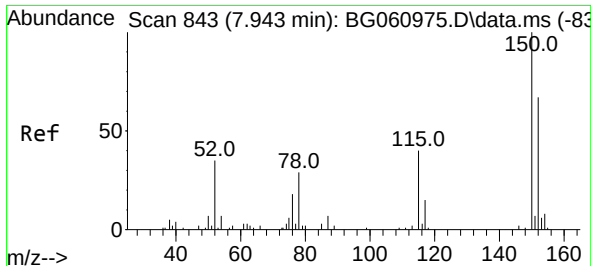
Instrument :
BNA_G
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Quant Time: Apr 24 14:18:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
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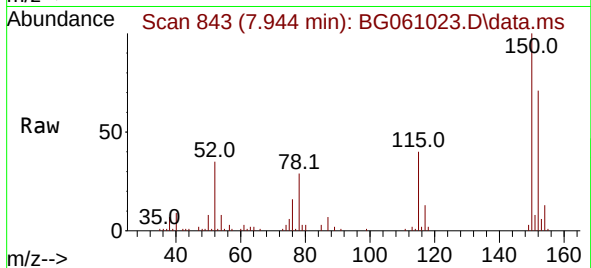
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.944 min Scan# 843
Delta R.T. 0.001 min
Lab File: BG061023.D
Acq: 24 Apr 2024 13:18

Instrument :

BNA_G

ClientSampleId :

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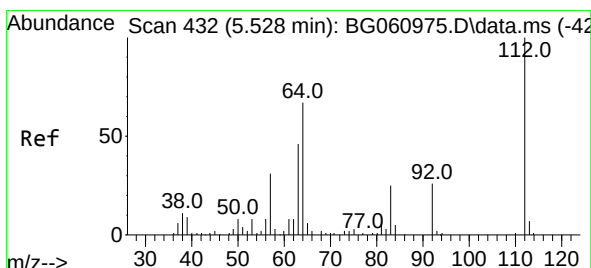
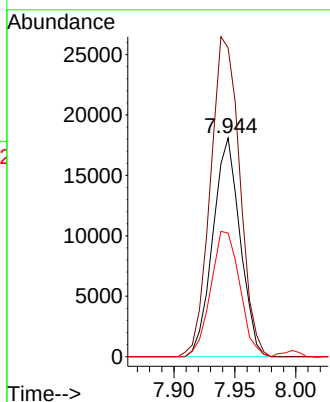
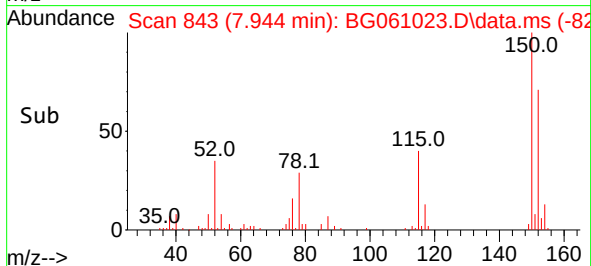


Tgt Ion:152 Resp: 28170
Ion Ratio Lower Upper
152 100
150 141.2 118.6 178.0
115 56.5 47.4 71.0

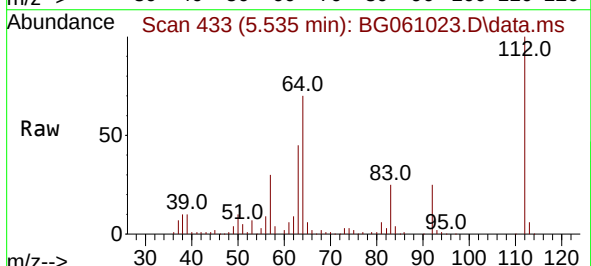
Manual Integrations

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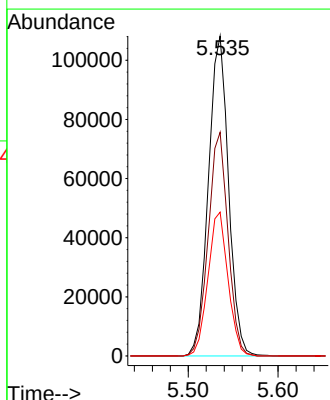
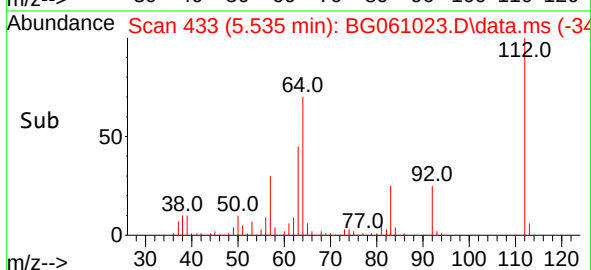
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

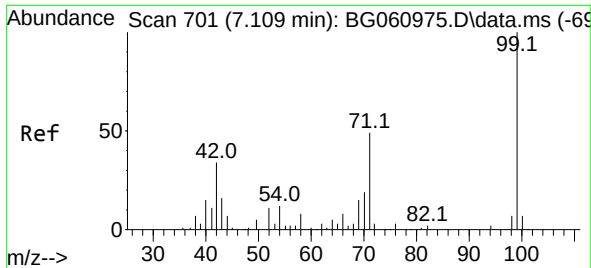


#5
2-Fluorophenol
Concen: 120.652 ng
RT: 5.535 min Scan# 433
Delta R.T. 0.007 min
Lab File: BG061023.D
Acq: 24 Apr 2024 13:18



Tgt Ion:112 Resp: 168063
Ion Ratio Lower Upper
112 100
64 69.9 53.7 80.5
63 45.0 37.0 55.6





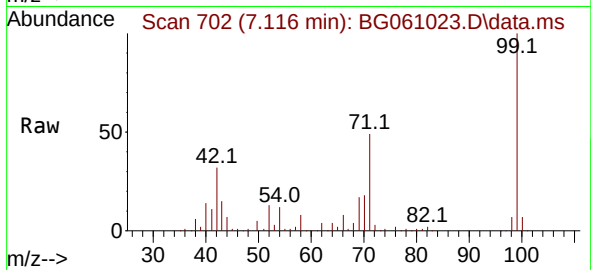
#7
Phenol-d6
Concen: 106.498 ng
RT: 7.116 min Scan# 701
Delta R.T. 0.007 min
Lab File: BG061023.D
Acq: 24 Apr 2024 13:18

Instrument :

BNA_G

ClientSampleId :

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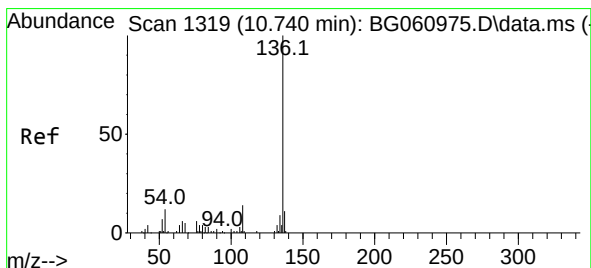
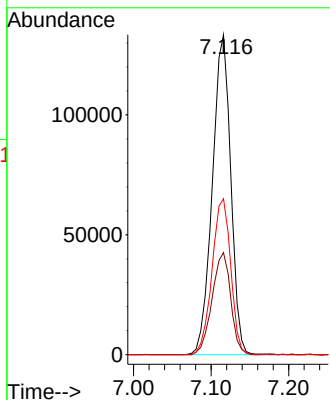
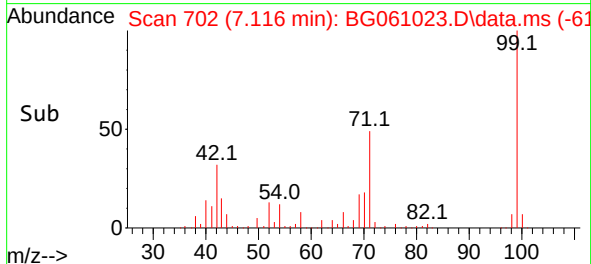


Tgt Ion: 99 Resp: 220100
Ion Ratio Lower Upper
99 100
42 31.9 27.2 40.8
71 48.7 38.8 58.2

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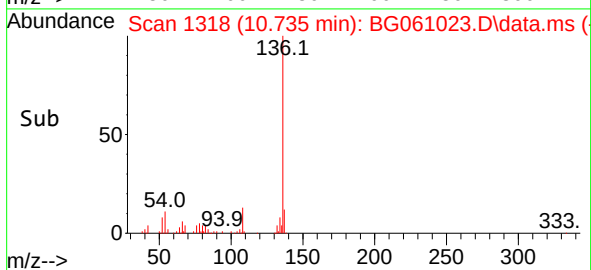
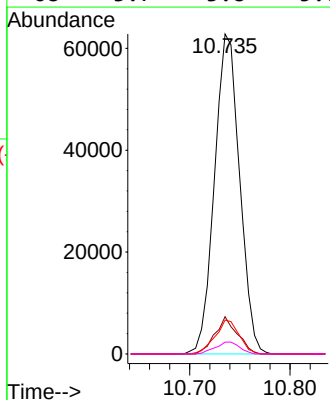
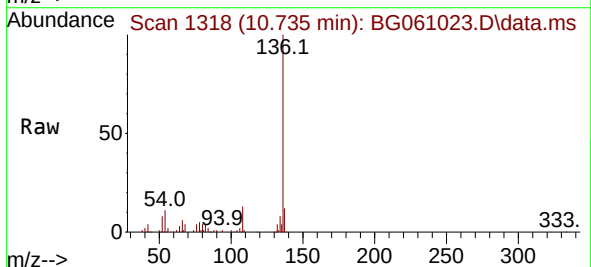
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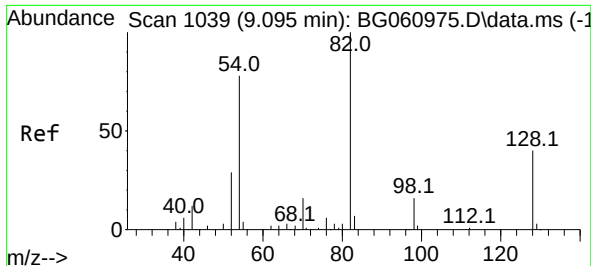
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.735 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BG061023.D
Acq: 24 Apr 2024 13:18

Tgt Ion:136 Resp: 109053
Ion Ratio Lower Upper
136 100
137 11.7 8.5 12.7
54 10.6 9.4 14.0
68 3.7 3.8 5.6#





#23

Nitrobenzene-d5

Concen: 65.358 ng

RT: 9.096 min Scan# 1039

Delta R.T. 0.001 min

Lab File: BG061023.D

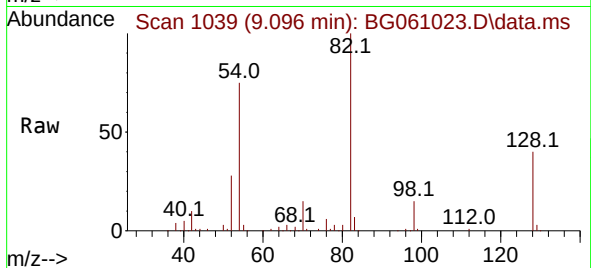
Acq: 24 Apr 2024 13:18

Instrument :

BNA_G

ClientSampleId :

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Tgt Ion: 82 Resp: 158639

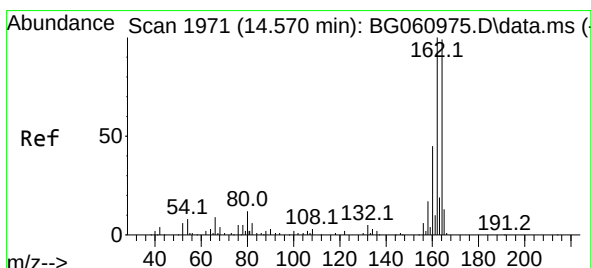
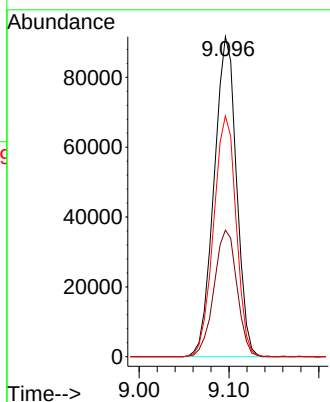
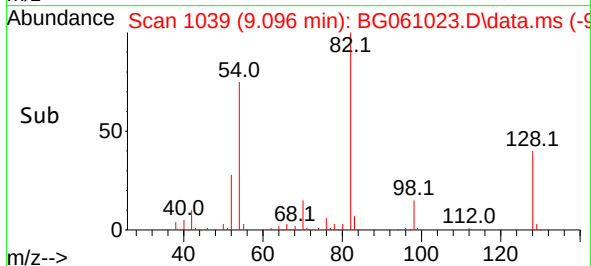
Ion	Ratio	Lower	Upper
82	100		
128	39.6	32.1	48.1
54	75.3	62.3	93.5

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.572 min Scan# 1971

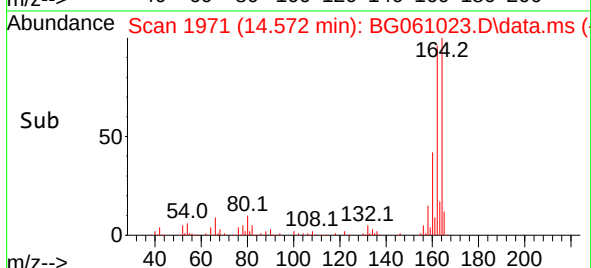
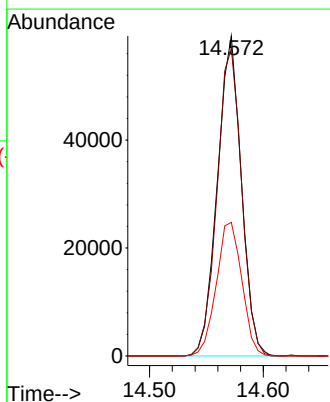
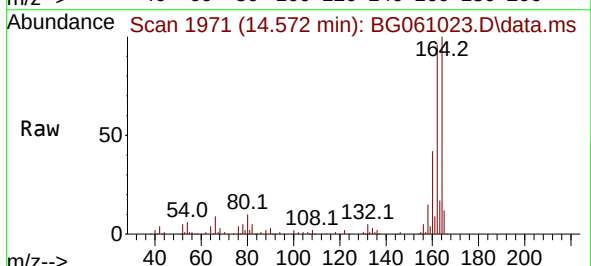
Delta R.T. 0.001 min

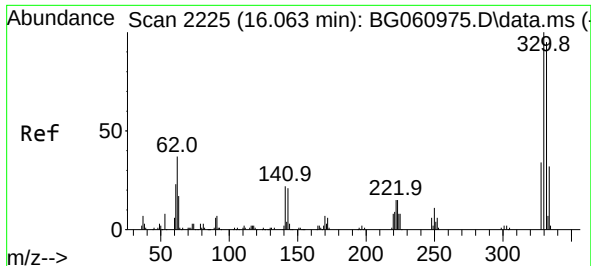
Lab File: BG061023.D

Acq: 24 Apr 2024 13:18

Tgt Ion:164 Resp: 86809

Ion	Ratio	Lower	Upper
164	100		
162	96.1	81.2	121.8
160	41.8	36.2	54.2





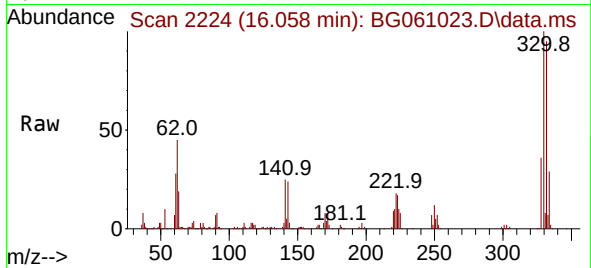
#42
2,4,6-Tribromophenol
Concen: 104.590 ng
RT: 16.058 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG061023.D
Acq: 24 Apr 2024 13:18

Instrument :

BNA_G

ClientSampleId :

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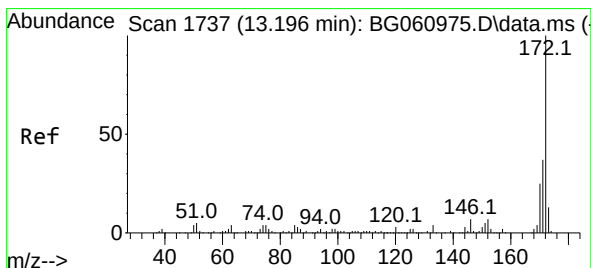
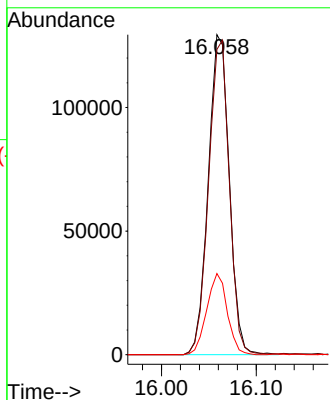
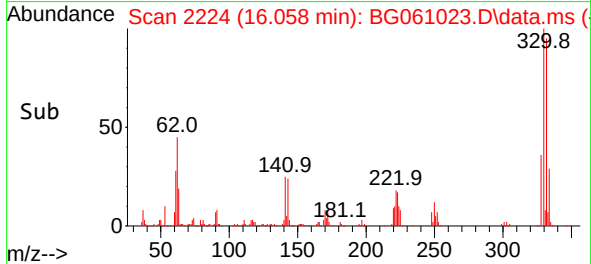


Tgt Ion:330 Resp: 199370
Ion Ratio Lower Upper
330 100
332 96.7 77.1 115.7
141 24.7 20.6 31.0

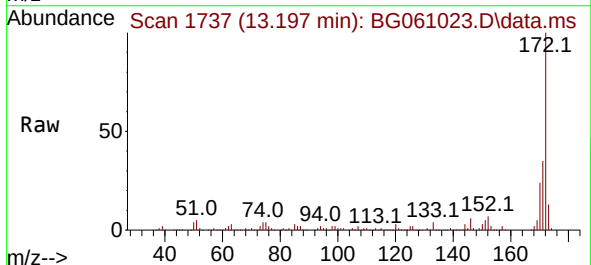
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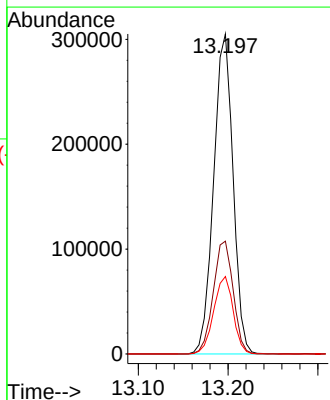
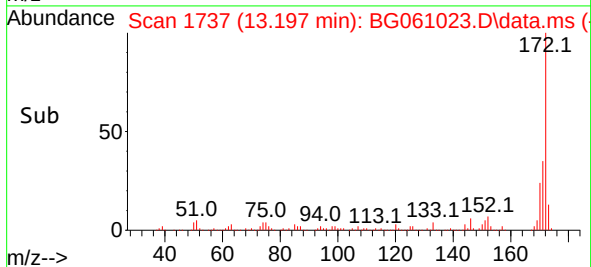
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

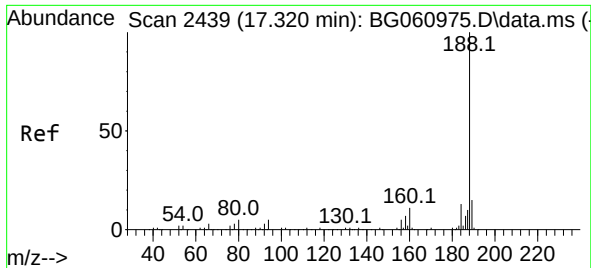


#45
2-Fluorobiphenyl
Concen: 72.894 ng
RT: 13.197 min Scan# 1737
Delta R.T. 0.001 min
Lab File: BG061023.D
Acq: 24 Apr 2024 13:18



Tgt Ion:172 Resp: 457211
Ion Ratio Lower Upper
172 100
171 35.3 29.3 43.9
170 24.2 20.1 30.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.322 min Scan# 2439
Delta R.T. 0.001 min
Lab File: BG061023.D
Acq: 24 Apr 2024 13:18

Instrument :

BNA_G

ClientSampleId :

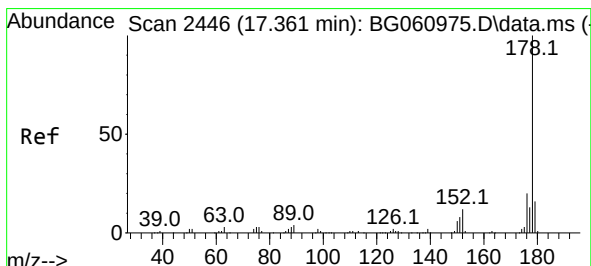
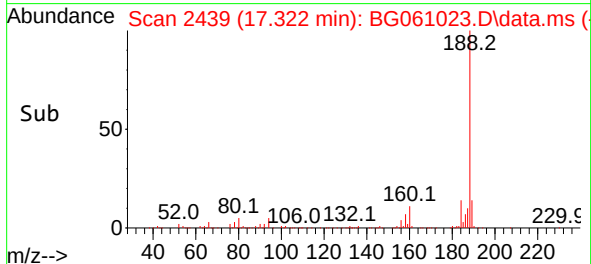
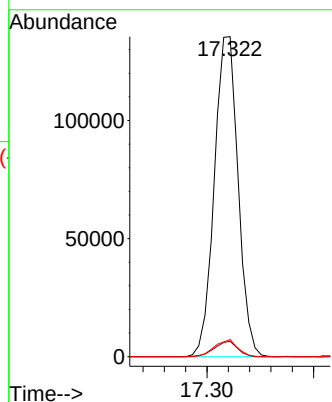
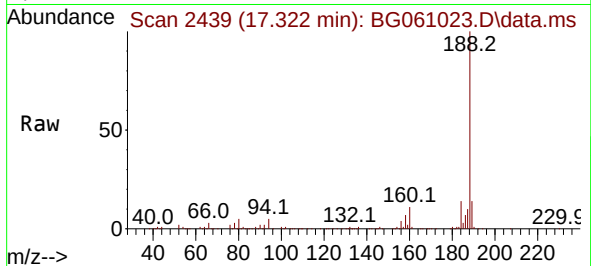
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Tgt Ion:188 Resp: 20945
Ion Ratio Lower Upper
188 100
94 4.8 4.1 6.1
80 5.3 4.0 6.0

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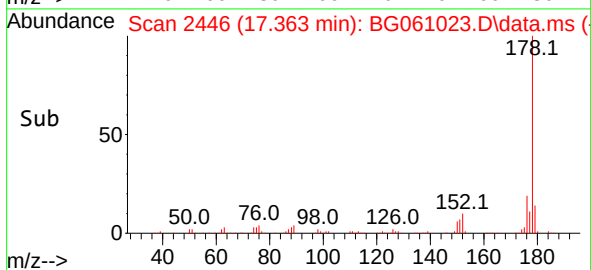
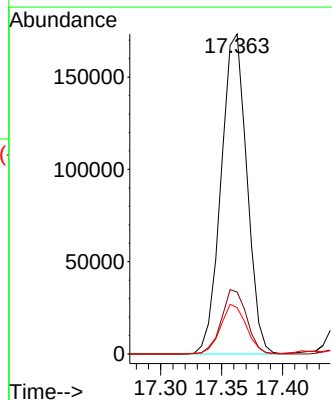
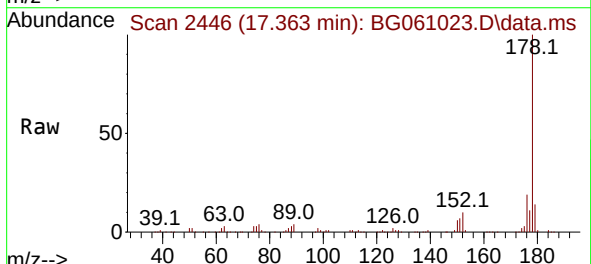
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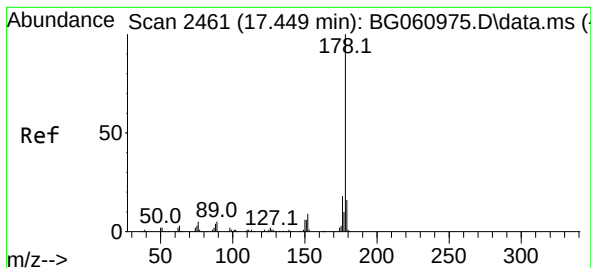
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#71
Phenanthrene
Concen: 23.897 ng
RT: 17.363 min Scan# 2446
Delta R.T. 0.002 min
Lab File: BG061023.D
Acq: 24 Apr 2024 13:18

Tgt Ion:178 Resp: 255486
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 14.4 12.5 18.7





#72

Anthracene

Concen: 2.816 ng

RT: 17.451 min Scan# 2461

Delta R.T. 0.001 min

Lab File: BG061023.D

Acq: 24 Apr 2024 13:18

Instrument :

BNA_G

ClientSampleId :

STOCK-PILE

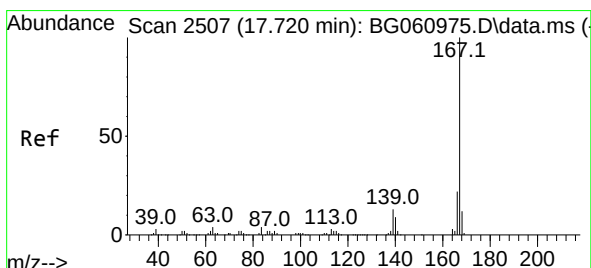
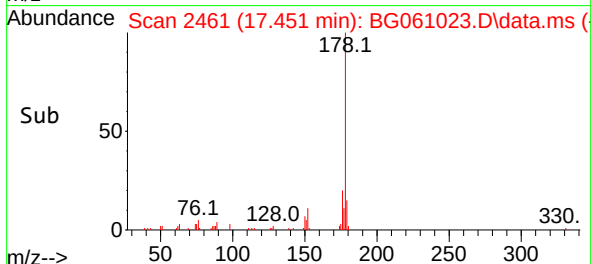
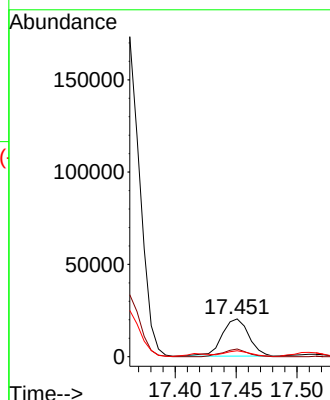
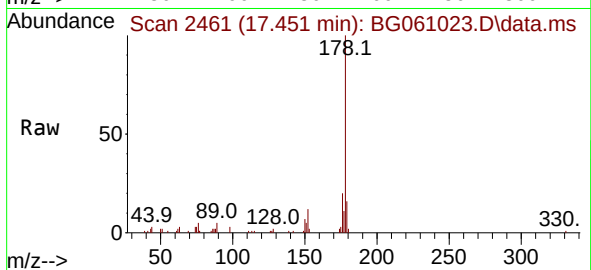
Tgt Ion:178	Resp:	3101
Ion Ratio	Lower	Upper
178	100	
176	20.3	14.7 22.1
179	15.8	12.4 18.6

Manual Integrations

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#73

Carbazole

Concen: 2.158 ng

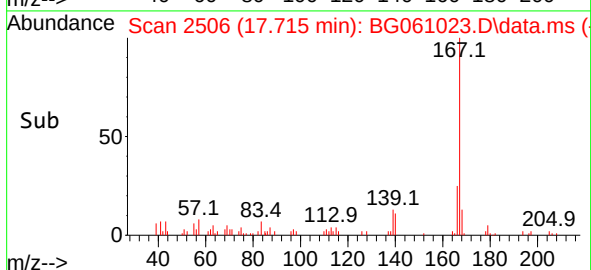
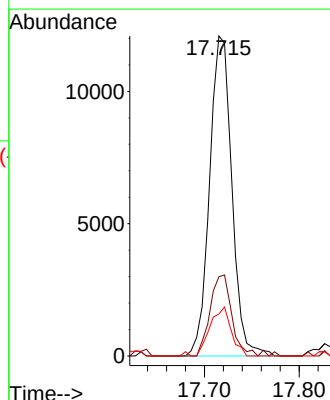
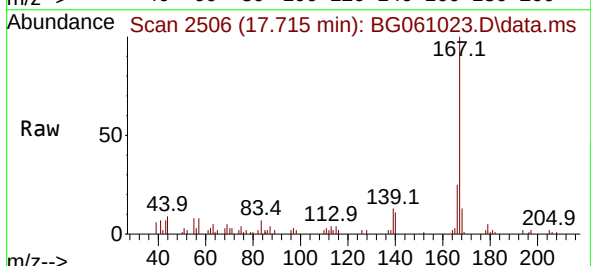
RT: 17.715 min Scan# 2506

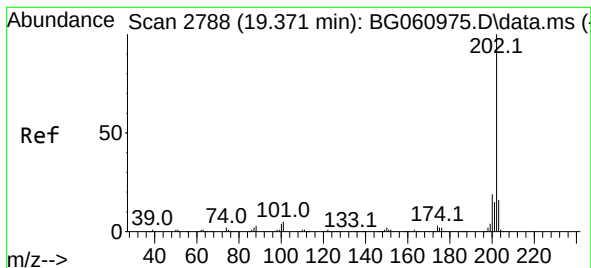
Delta R.T. -0.004 min

Lab File: BG061023.D

Acq: 24 Apr 2024 13:18

Tgt Ion:167	Resp:	19731
Ion Ratio	Lower	Upper
167	100	
166	24.8	17.8 26.8
139	13.1	10.2 15.2





#75

Fluoranthene

Concen: 41.660 ng

RT: 19.378 min Scan# 21

Delta R.T. 0.007 min

Lab File: BG061023.D

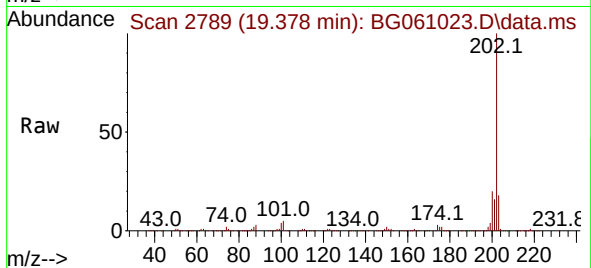
Acq: 24 Apr 2024 13:18

Instrument :

BNA_G

ClientSampleId :

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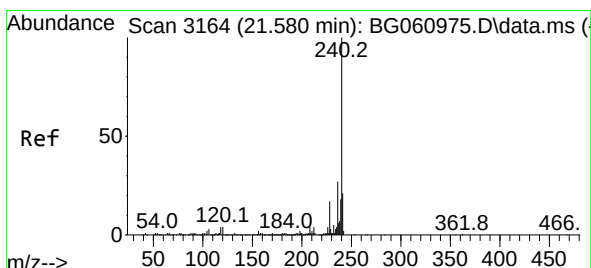
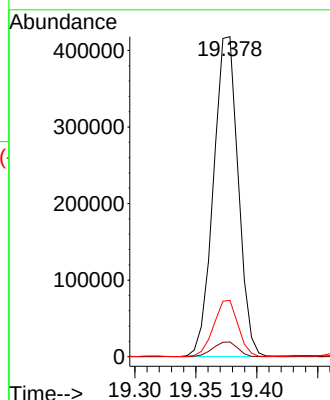
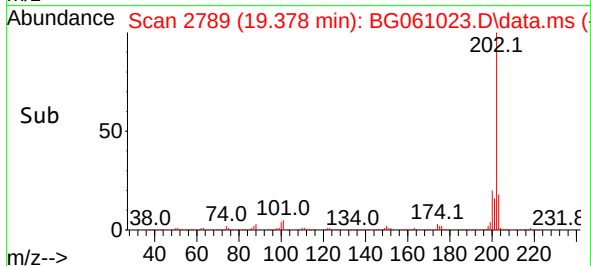
Tgt Ion:	202	Resp:	59110
Ion Ratio	Lower	Upper	
202	100		
101	4.6	0.0	24.9
203	17.6	0.0	36.2

Manual Integrations

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Supervised By :mohammad ahmed 04/27/2024



#76

Chrysene-d12

Concen: 20.000 ng

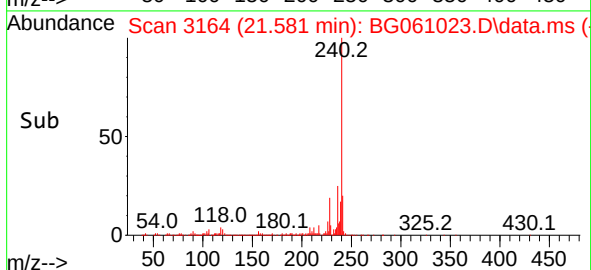
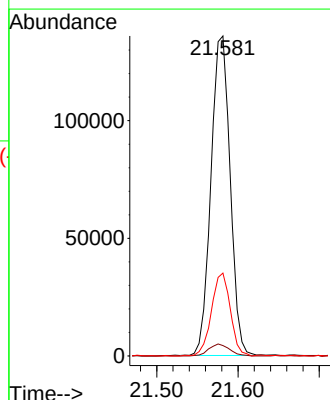
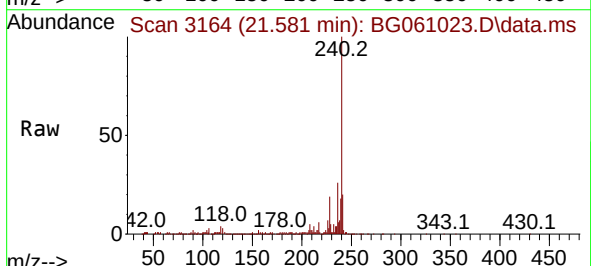
RT: 21.581 min Scan# 3164

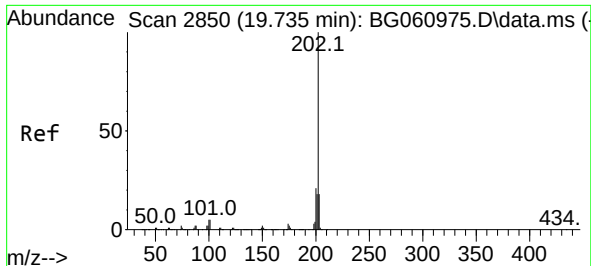
Delta R.T. 0.001 min

Lab File: BG061023.D

Acq: 24 Apr 2024 13:18

Tgt Ion:	240	Resp:	222826
Ion Ratio	Lower	Upper	
240	100		
120	3.2	3.0	4.6
236	25.9	21.8	32.6





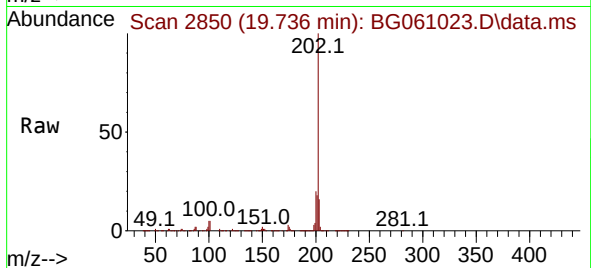
#78
 Pyrene
 Concen: 33.771 ng
 RT: 19.736 min Scan# 2850
 Delta R.T. 0.001 min
 Lab File: BG061023.D
 Acq: 24 Apr 2024 13:18

Instrument :

BNA_G

ClientSampleId :

STOCK-PILE



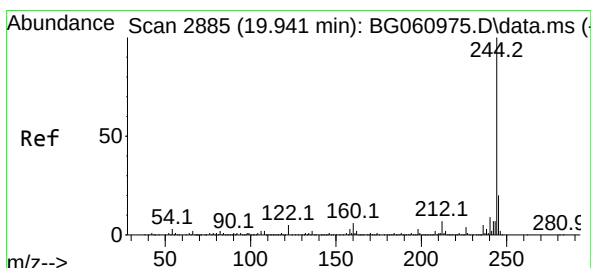
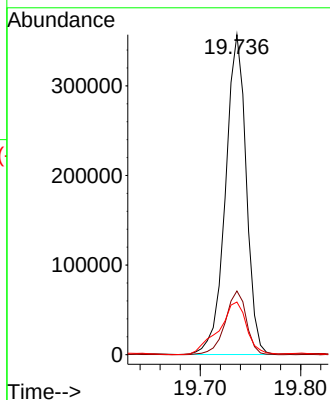
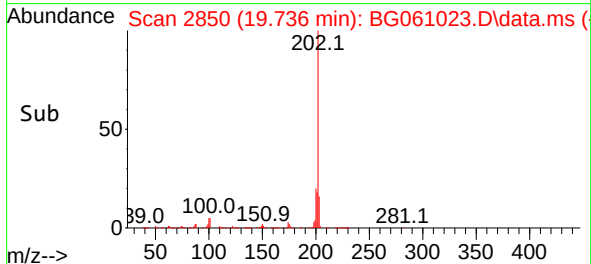
Tgt Ion:202 Resp: 51238
 Ion Ratio Lower Upper
 202 100
 200 19.9 16.8 25.2
 203 16.5 14.2 21.2

Manual Integrations

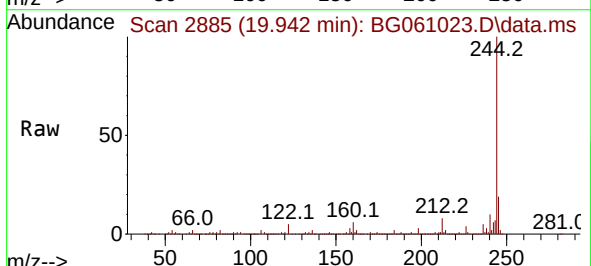
APPROVED

Reviewed By :Yogesh Patel 04/26/2024

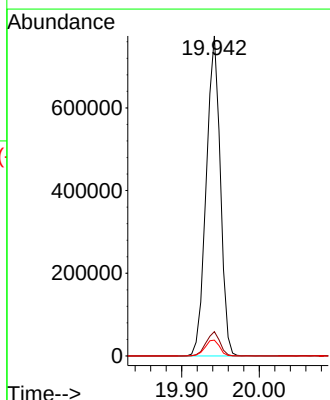
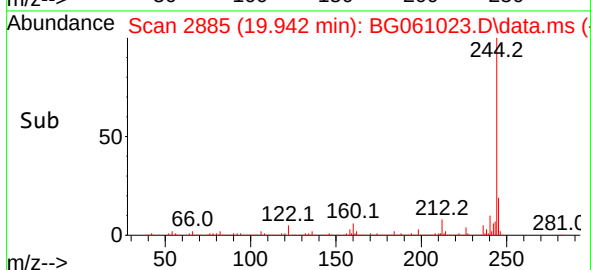
Supervised By :mohammad ahmed 04/27/2024

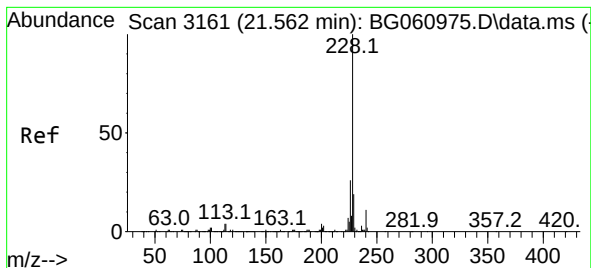


#79
 Terphenyl-d14
 Concen: 67.757 ng
 RT: 19.942 min Scan# 2885
 Delta R.T. 0.001 min
 Lab File: BG061023.D
 Acq: 24 Apr 2024 13:18



Tgt Ion:244 Resp: 972665
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.9 8.9
 122 4.9 4.2 6.2





#81

Benzo(a)anthracene

Concen: 16.665 ng

RT: 21.558 min Scan# 3160

Delta R.T. -0.004 min

Lab File: BG061023.D

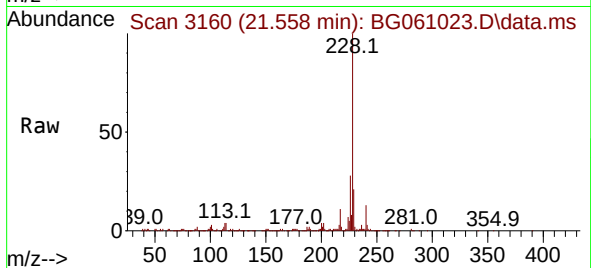
Acq: 24 Apr 2024 13:18

Instrument :

BNA_G

ClientSampleId :

STOCK-PILE



Tgt Ion:228 Resp: 261070

Ion Ratio Lower Upper

228 100

226 27.7 21.0 31.4

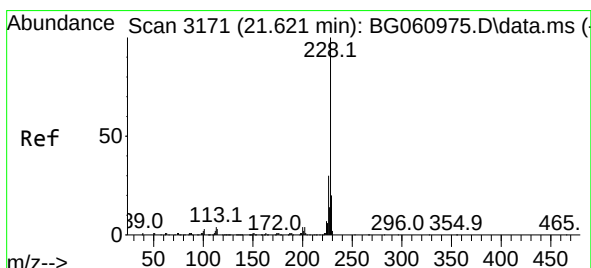
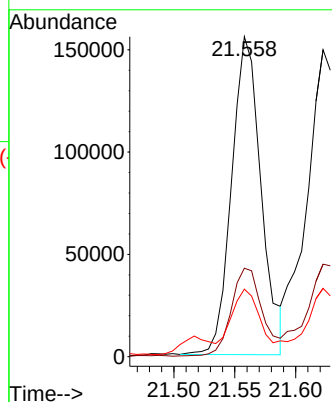
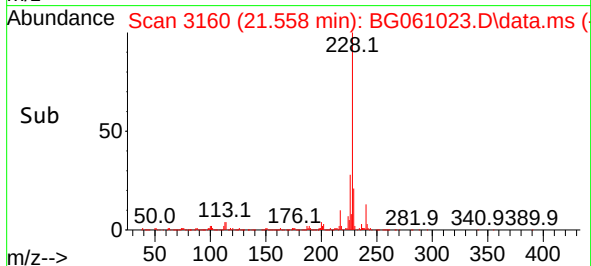
229 21.1 15.0 22.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#83

Chrysene

Concen: 18.391 ng

RT: 21.622 min Scan# 3171

Delta R.T. 0.001 min

Lab File: BG061023.D

Acq: 24 Apr 2024 13:18

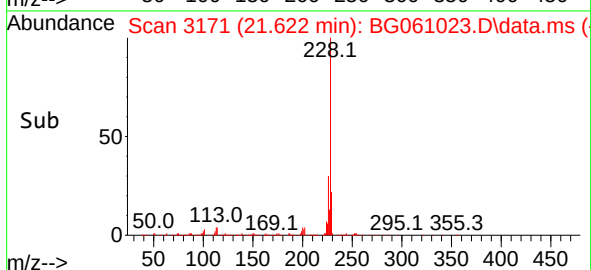
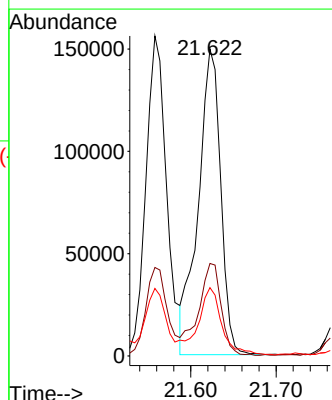
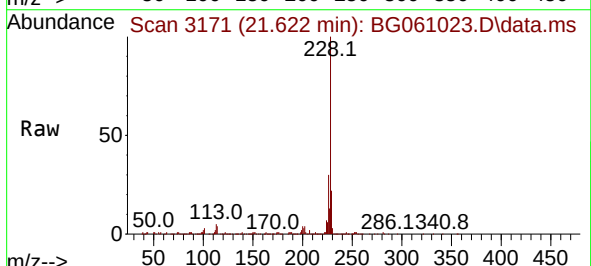
Tgt Ion:228 Resp: 274312

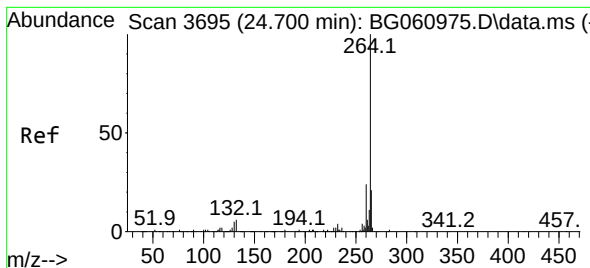
Ion Ratio Lower Upper

228 100

226 30.2 24.2 36.2

229 22.3 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.707 min Scan# 30

Delta R.T. 0.007 min

Lab File: BG061023.D

Acq: 24 Apr 2024 13:18

Instrument :

BNA_G

ClientSampleId :

STOCK-PILE

Tgt Ion:264 Resp: 279660

Ion Ratio Lower Upper

264 100

260 23.2 19.4 29.2

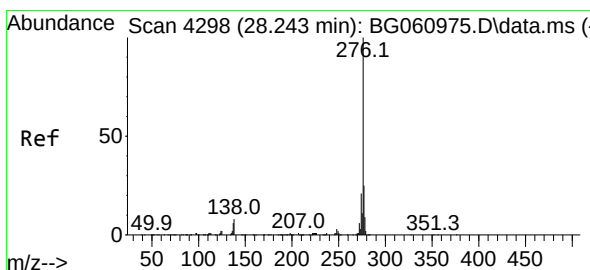
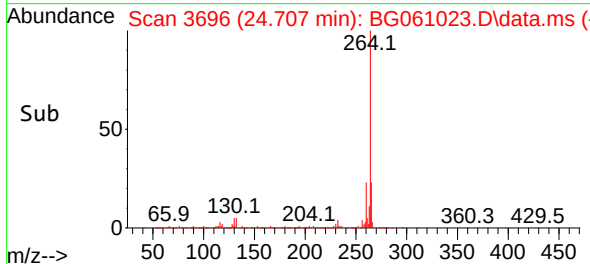
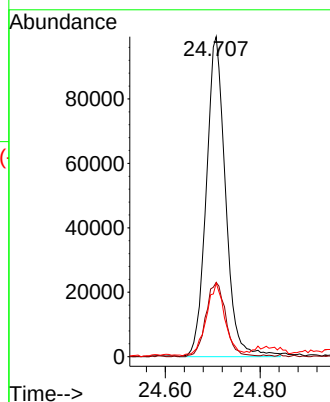
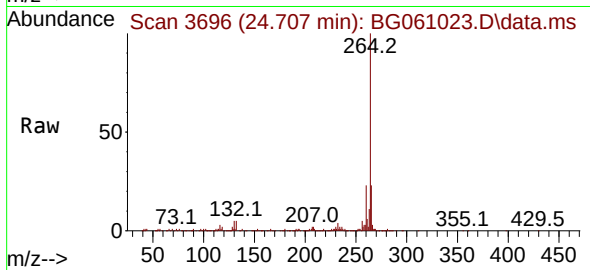
265 23.0 17.0 25.4

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: 8.170 ng

RT: 28.250 min Scan# 4299

Delta R.T. 0.007 min

Lab File: BG061023.D

Acq: 24 Apr 2024 13:18

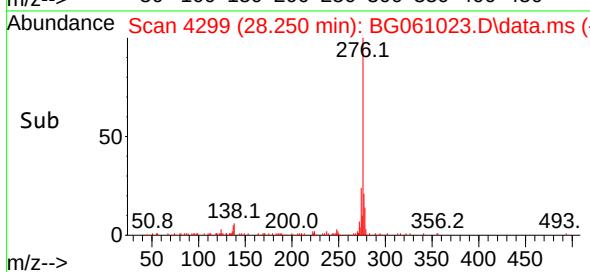
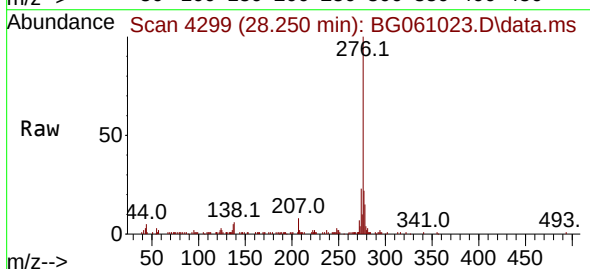
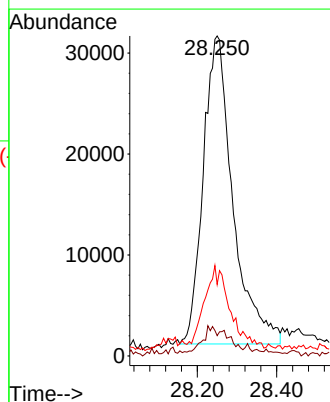
Tgt Ion:276 Resp: 158498

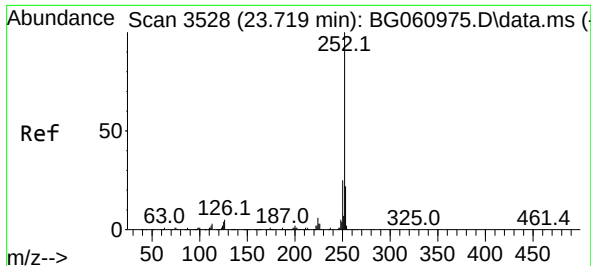
Ion Ratio Lower Upper

276 100

138 0.0 5.3 7.9#

277 10.8 20.6 30.8#





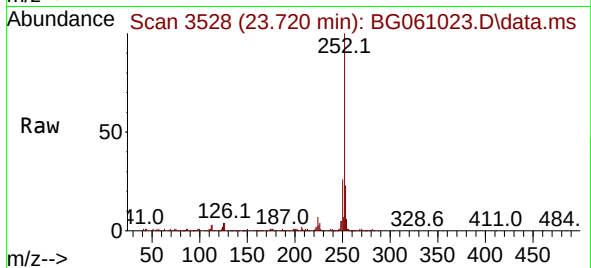
#88
Benzo(b)fluoranthene
Concen: 22.097 ng
RT: 23.720 min Scan# 3528
Delta R.T. 0.001 min
Lab File: BG061023.D
Acq: 24 Apr 2024 13:18

Instrument :

BNA_G

ClientSampleId :

STOCK-PILE

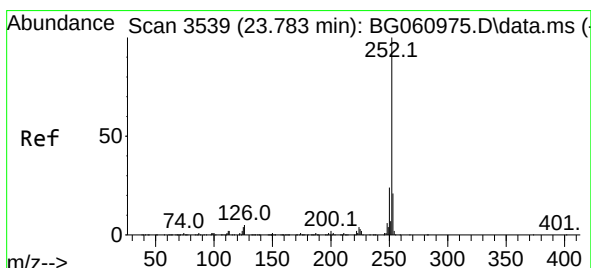
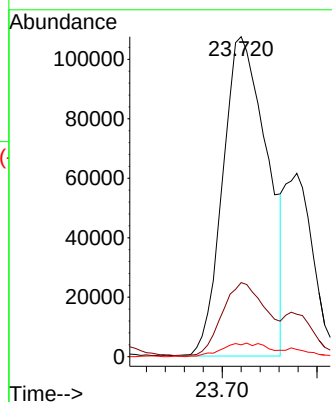
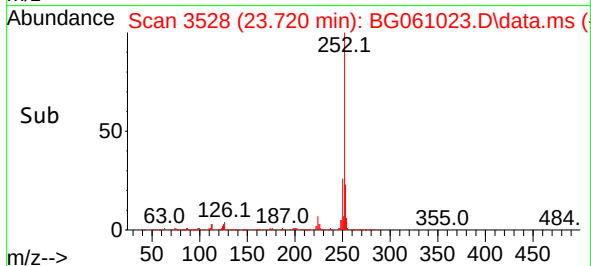


Tgt Ion:252 Resp: 35019
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 3.7 3.3 4.9

Manual Integrations

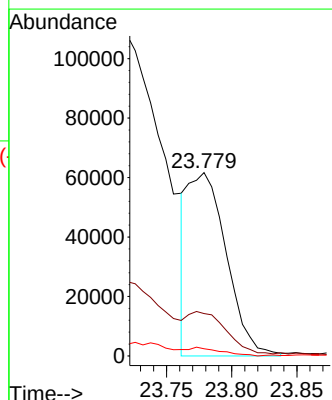
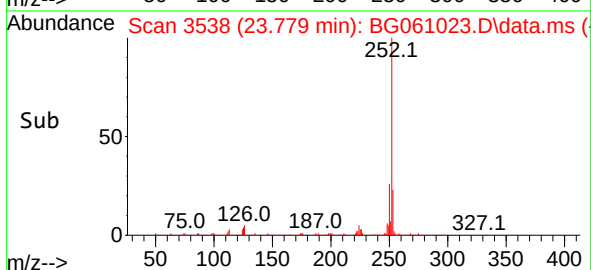
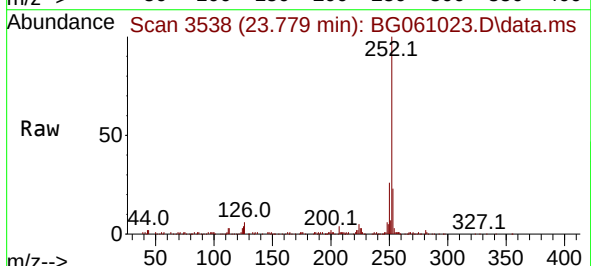
APPROVED

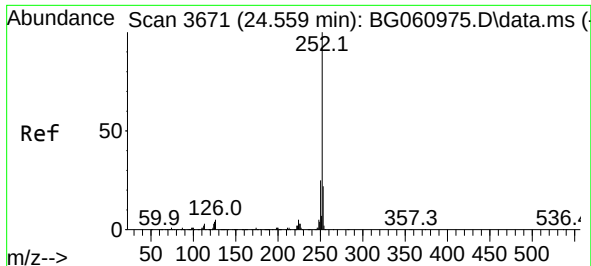
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#89
Benzo(k)fluoranthene
Concen: 7.962 ng m
RT: 23.779 min Scan# 3538
Delta R.T. -0.004 min
Lab File: BG061023.D
Acq: 24 Apr 2024 13:18

Tgt Ion:252 Resp: 127388
Ion Ratio Lower Upper
252 100
253 23.1 16.6 25.0
125 3.9 3.3 4.9





#90
Benzo(a)pyrene
Concen: 16.426 ng
RT: 24.554 min Scan# 30
Delta R.T. -0.004 min
Lab File: BG061023.D
Acq: 24 Apr 2024 13:18

Instrument :

BNA_G

ClientSampleId :

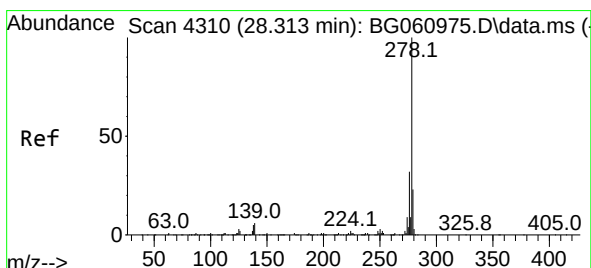
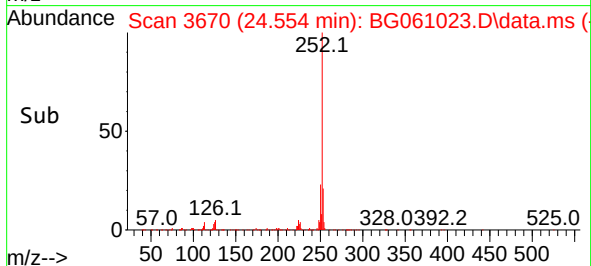
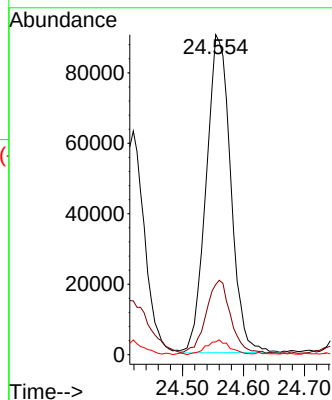
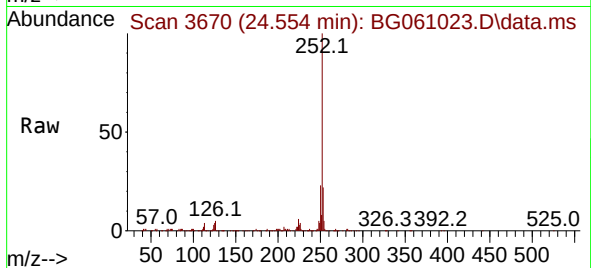
STOCK-PILE

Tgt Ion:252 Resp: 251980
Ion Ratio Lower Upper
252 100
253 21.9 17.7 26.5
125 4.0 3.6 5.4

Manual Integrations

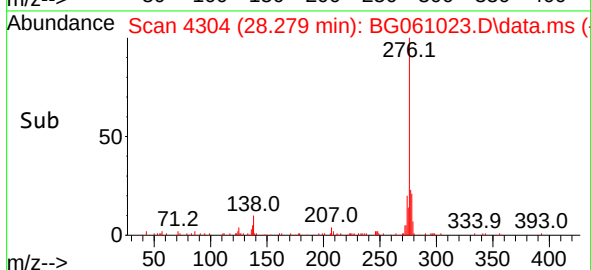
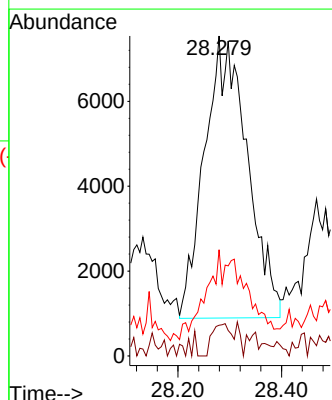
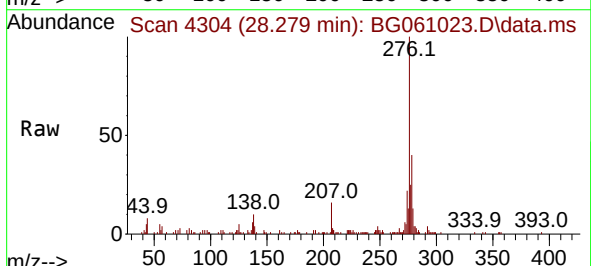
APPROVED

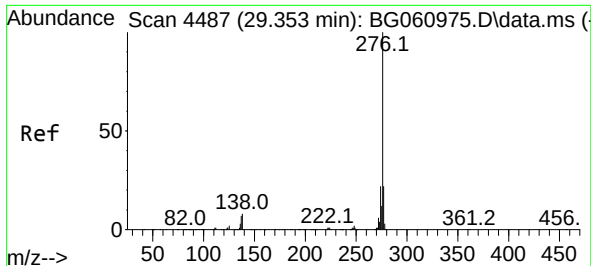
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#91
Dibenzo(a,h)anthracene
Concen: 2.398 ng m
RT: 28.279 min Scan# 4304
Delta R.T. -0.034 min
Lab File: BG061023.D
Acq: 24 Apr 2024 13:18

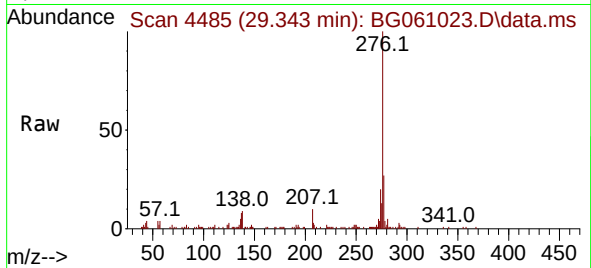
Tgt Ion:278 Resp: 38011
Ion Ratio Lower Upper
278 100
139 9.6 4.7 7.1#
279 33.2 18.2 27.4#





#92
Benzo(g,h,i)perylene
Concen: 9.466 ng
RT: 29.343 min Scan# 4485
Delta R.T. -0.010 min
Lab File: BG061023.D
Acq: 24 Apr 2024 13:18

Instrument :
BNA_G
ClientSampleId :
STOCK-PILE



Tgt Ion:276 Resp: 14876
Ion Ratio Lower Upper
276 100
277 26.9 18.0 27.0
138 8.5 6.5 9.7

Manual Integrations
APPROVED

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

