

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011323\
 Data File : BG056289.D
 Acq On : 13 Jan 2023 22:44
 Operator : CG/JU
 Sample : 01124-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-3

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/16/2023
 Supervised By : Jagrut Upadhyay 01/16/2023

Quant Time: Jan 16 00:26:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 12 03:38:40 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.314	152	43672	20.000	ng	0.00
21) Naphthalene-d8	11.146	136	162783	20.000	ng	0.00
39) Acenaphthene-d10	14.930	164	133492	20.000	ng	0.00
64) Phenanthrene-d10	17.668	188	323396	20.000	ng	0.00
76) Chrysene-d12	21.963	240	315275	20.000	ng	0.00
86) Perylene-d12	25.406	264	351296	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.835	112	274982	112.424	ng	0.00
7) Phenol-d6	7.451	99	398352	106.050	ng	0.00
23) Nitrobenzene-d5	9.490	82	216925	68.165	ng	0.00
42) 2,4,6-Tribromophenol	16.411	330	169996	100.550	ng	0.00
45) 2-Fluorobiphenyl	13.555	172	658532	68.121	ng	0.00
79) Terphenyl-d14	20.242	244	1211219	68.808	ng	0.00
Target Compounds						Qvalue
58) Fluorene	15.970	166	22227	2.091	ng	98
71) Phenanthrene	17.709	178	408124	24.352	ng	97
72) Anthracene	17.797	178	95795	5.541	ng	97
75) Fluoranthene	19.701	202	600773	27.481	ng	98
78) Pyrene	20.060	202	529181	23.813	ng	99
81) Benzo(a)anthracene	21.940	228	284802	12.861	ng	99
83) Chrysene	22.010	228	249829	12.044	ng	98
87) Indeno(1,2,3-cd)pyrene	29.366	276	156814	6.138	ng	# 96
88) Benzo(b)fluoranthene	24.308	252	332795	14.910	ng	# 99
89) Benzo(k)fluoranthene	24.372	252	110697m	4.980	ng	
90) Benzo(a)pyrene	25.242	252	238863	10.972	ng	97
91) Dibenzo(a,h)anthracene	29.413	278	46471m	2.170	ng	
92) Benzo(g,h,i)perylene	30.612	276	154323	7.429	ng	96

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

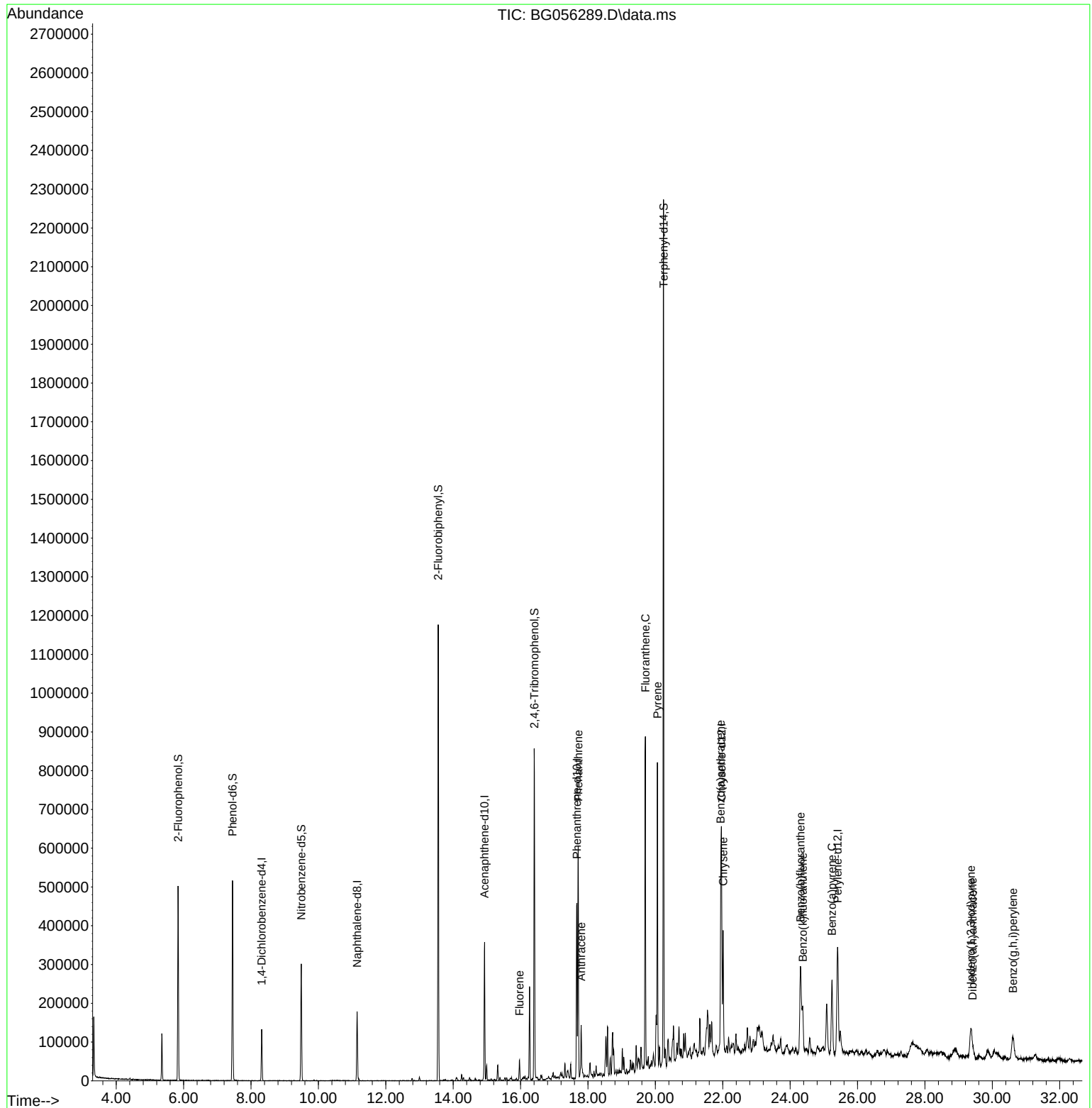
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011323\
Data File : BG056289.D
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ALS Vial : 16 Sample Multiplier: 1

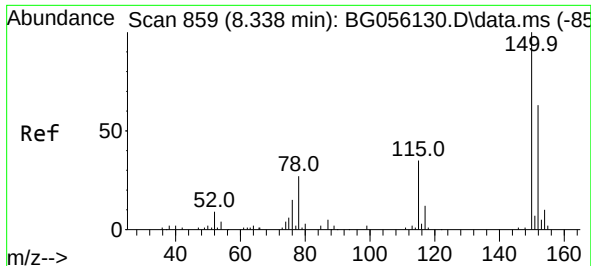
Instrument :
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Quant Time: Jan 16 00:26:10 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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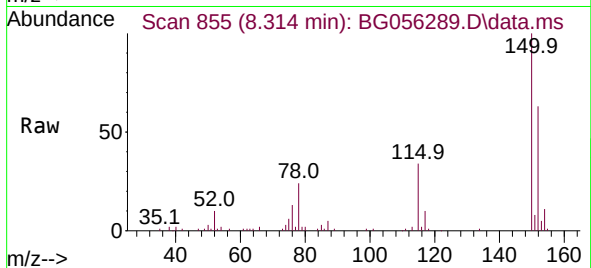
Reviewed By : Christian Giraldo 01/16/2023
Supervised By : Jagrut Upadhyay 01/16/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.314 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44

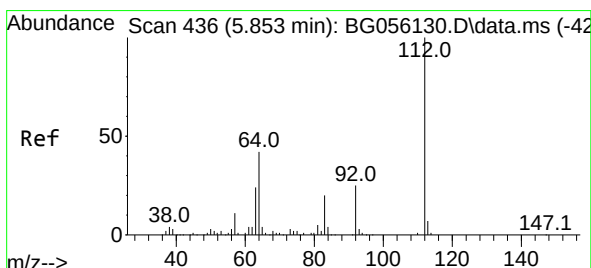
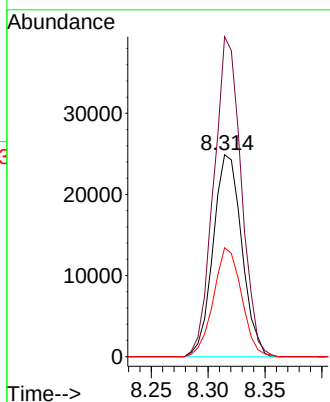
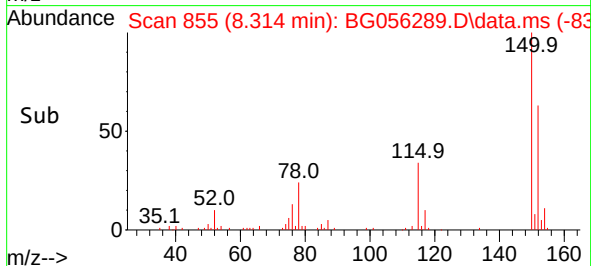
Instrument :
BNA_G
ClientSampleId :
WC-3



Tgt Ion:152 Resp: 43672
Ion Ratio Lower Upper
152 100
150 158.6 127.9 191.9
115 53.9 44.2 66.2

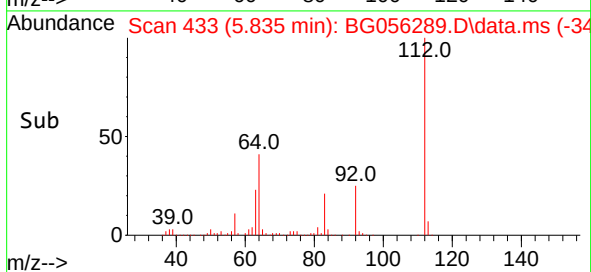
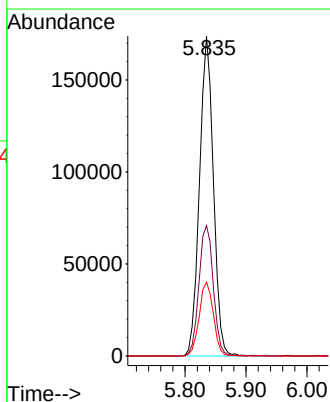
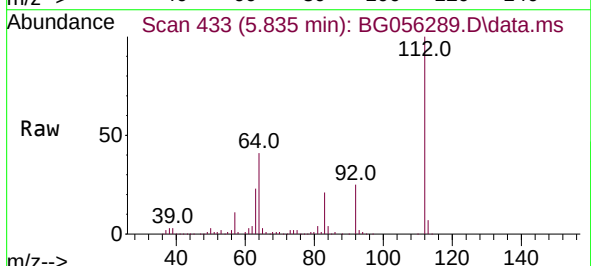
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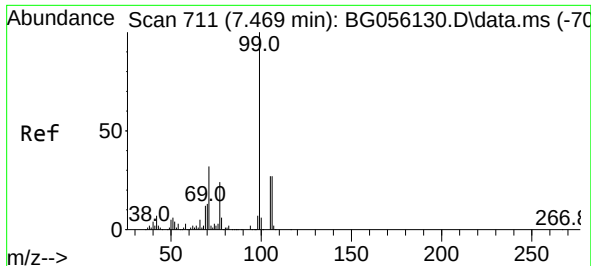
Reviewed By :Christian Giraldo 01/16/2023
Supervised By :Jagrut Upadhyay 01/16/2023



#5
2-Fluorophenol
Concen: 112.424 ng
RT: 5.835 min Scan# 433
Delta R.T. 0.010 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44

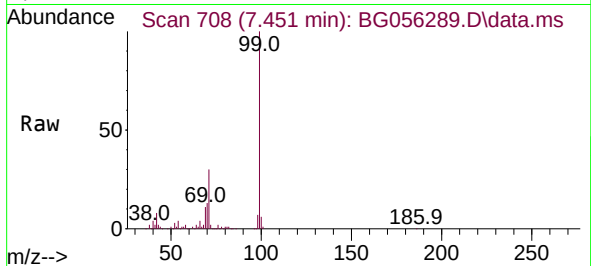
Tgt Ion:112 Resp: 274982
Ion Ratio Lower Upper
112 100
64 40.7 33.3 49.9
63 23.0 19.0 28.4





#7
Phenol-d6
Concen: 106.050 ng
RT: 7.451 min Scan# 70
Delta R.T. 0.004 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44

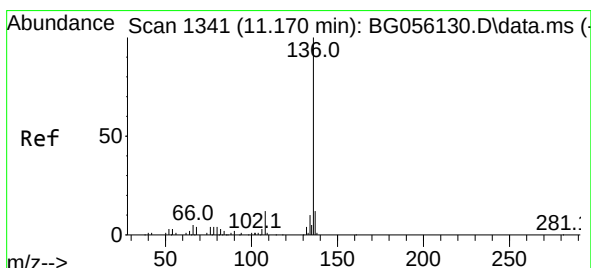
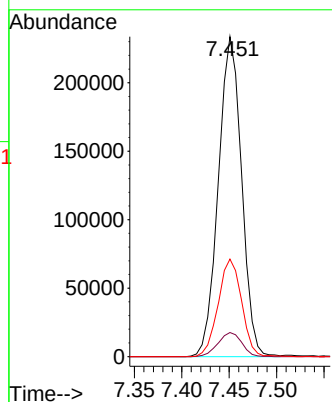
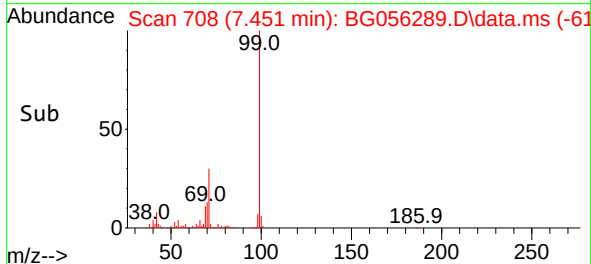
Instrument :
BNA_G
ClientSampleId :
WC-3



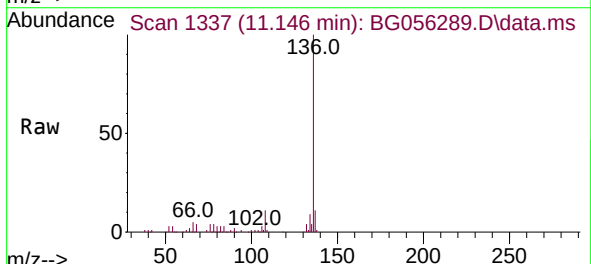
Tgt Ion: 99 Resp: 398352
Ion Ratio Lower Upper
99 100
42 7.5 5.9 8.9
71 30.5 25.4 38.2

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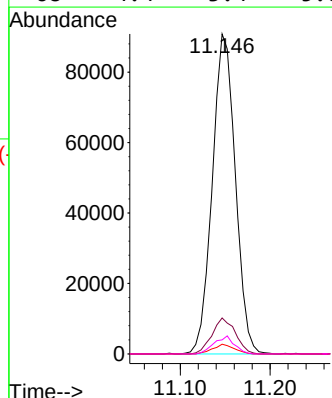
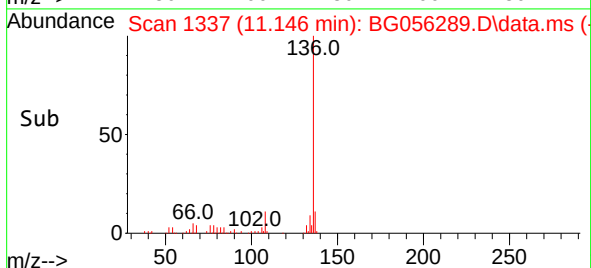
Reviewed By :Christian Giraldo 01/16/2023
Supervised By :Jagrut Upadhyay 01/16/2023

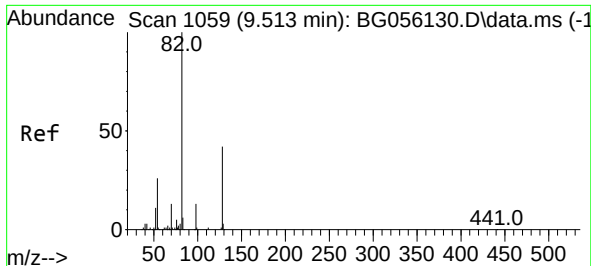


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.146 min Scan# 1337
Delta R.T. -0.002 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44



Tgt Ion:136 Resp: 162783
Ion Ratio Lower Upper
136 100
137 11.2 9.4 14.0
54 3.0 2.2 3.2
68 4.4 3.4 5.0





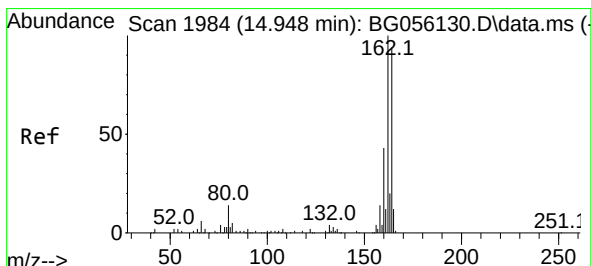
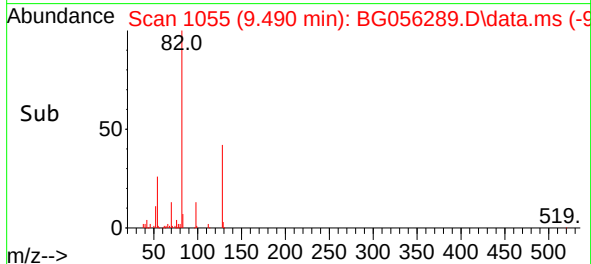
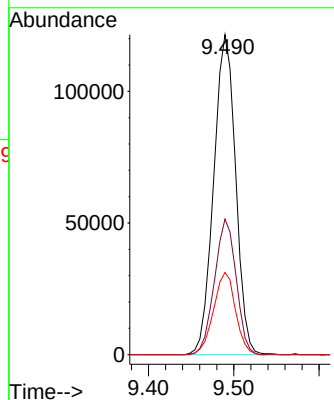
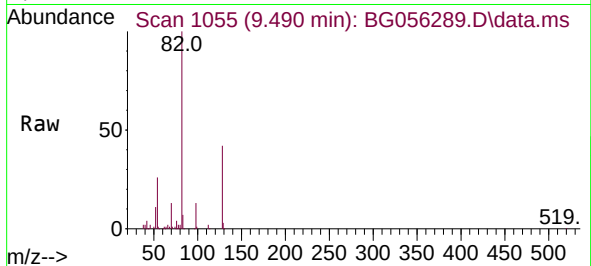
#23
Nitrobenzene-d5
Concen: 68.165 ng
RT: 9.490 min Scan# 1055
Delta R.T. -0.002 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44

Instrument :
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ClientSampleId :
WC-3

Tgt Ion: 82 Resp: 216925
Ion Ratio Lower Upper
82 100
128 42.4 33.4 50.2
54 25.7 20.3 30.5

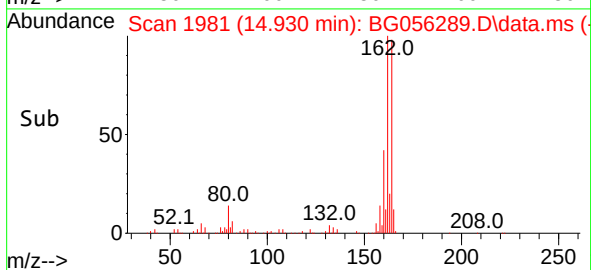
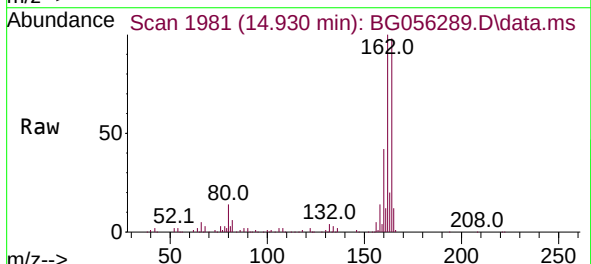
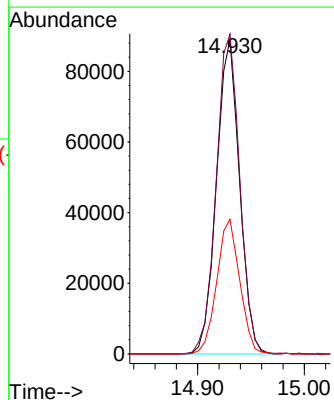
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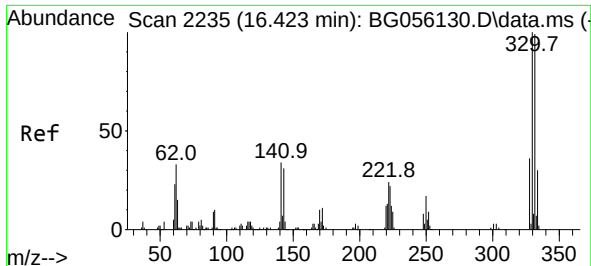
Reviewed By :Christian Giraldo 01/16/2023
Supervised By :Jagrut Upadhyay 01/16/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.930 min Scan# 1981
Delta R.T. 0.004 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44

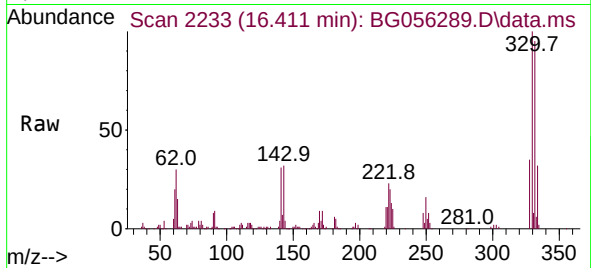
Tgt Ion:164 Resp: 133492
Ion Ratio Lower Upper
164 100
162 101.8 84.7 127.1
160 42.8 36.3 54.5





#42
2,4,6-Tribromophenol
Concen: 100.550 ng
RT: 16.411 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44

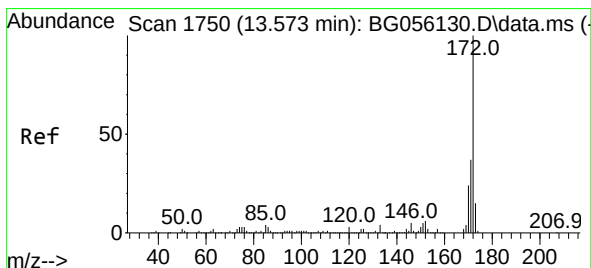
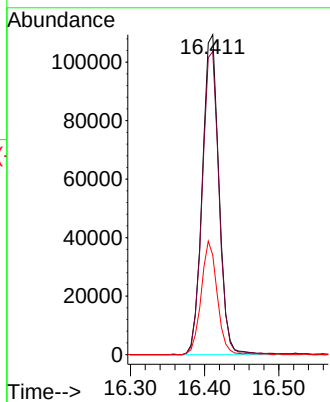
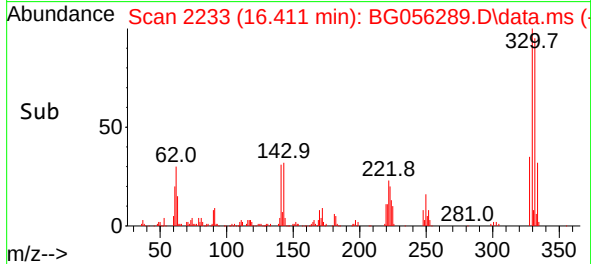
Instrument :
BNA_G
ClientSampleId :
WC-3



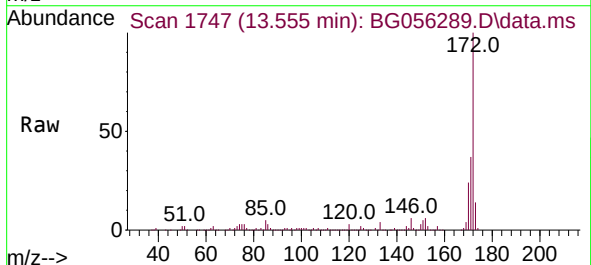
Tgt Ion:330 Resp: 169996
Ion Ratio Lower Upper
330 100
332 96.1 77.3 115.9
141 34.1 27.9 41.9

Manual Integrations
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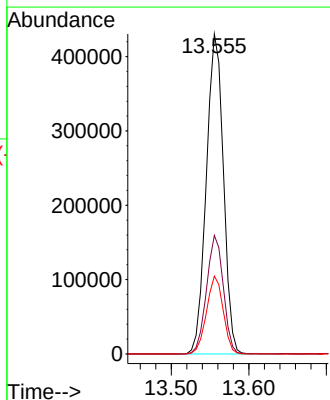
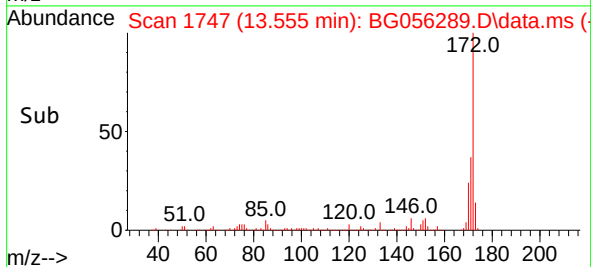
Reviewed By :Christian Giraldo 01/16/2023
Supervised By :Jagrut Upadhyay 01/16/2023

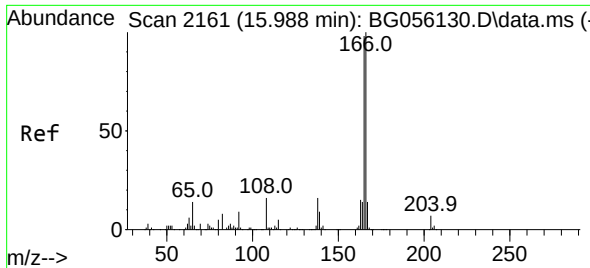


#45
2-Fluorobiphenyl
Concen: 68.121 ng
RT: 13.555 min Scan# 1747
Delta R.T. -0.002 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44



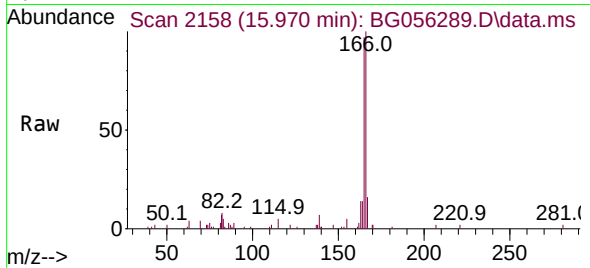
Tgt Ion:172 Resp: 658532
Ion Ratio Lower Upper
172 100
171 37.0 29.6 44.4
170 24.3 19.4 29.2





#58
Fluorene
Concen: 2.091 ng
RT: 15.970 min Scan# 2161
Delta R.T. 0.004 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44

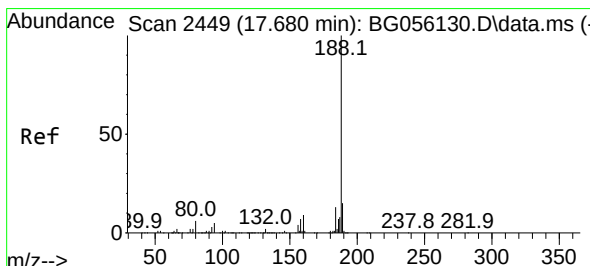
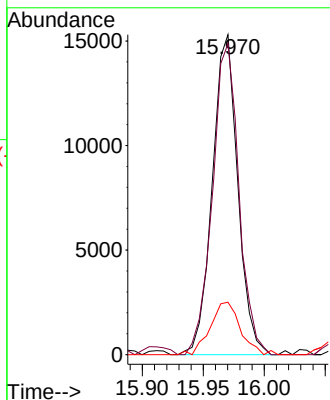
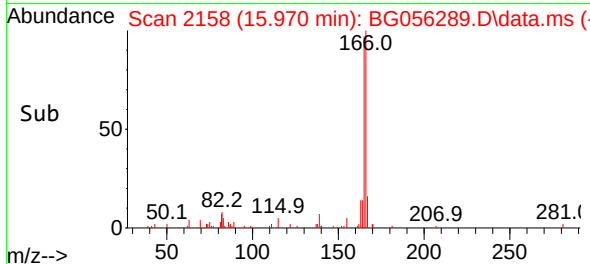
Instrument :
BNA_G
ClientSampleId :
WC-3



Tgt Ion:166 Resp: 22227
Ion Ratio Lower Upper
166 100
165 97.2 78.6 118.0
167 16.4 11.1 16.7

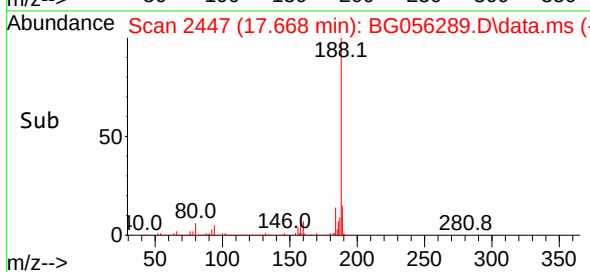
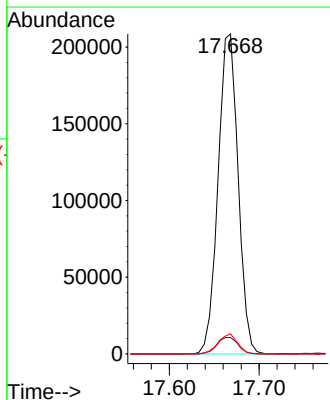
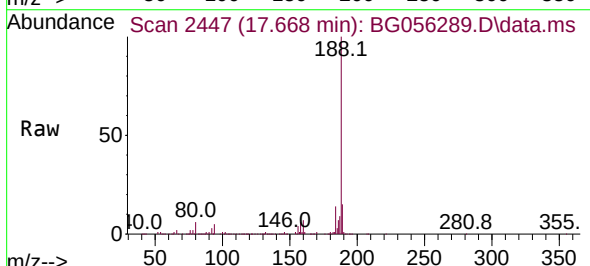
Manual Integrations
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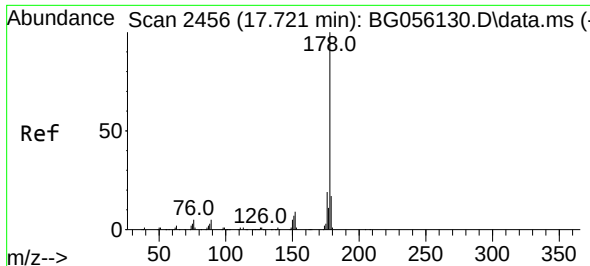
Reviewed By :Christian Giraldo 01/16/2023
Supervised By :Jagrut Upadhyay 01/16/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.668 min Scan# 2447
Delta R.T. 0.004 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44

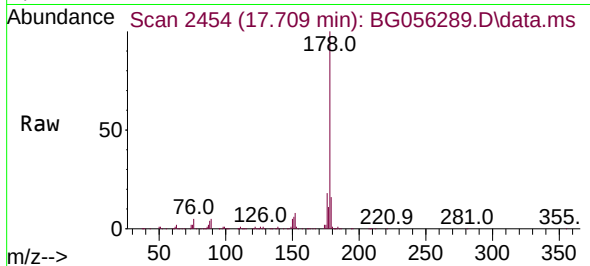
Tgt Ion:188 Resp: 323396
Ion Ratio Lower Upper
188 100
94 5.1 4.2 6.2
80 6.3 5.0 7.4





#71
Phenanthrene
Concen: 24.352 ng
RT: 17.709 min Scan# 2456
Delta R.T. -0.002 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44

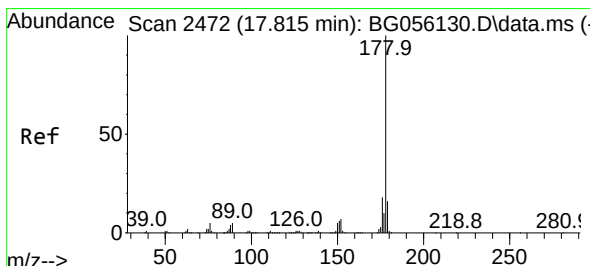
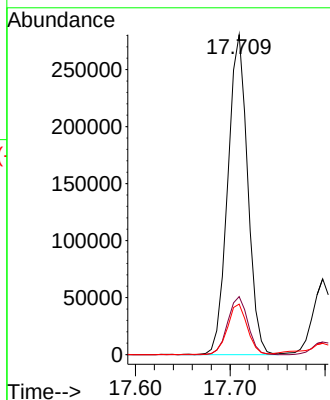
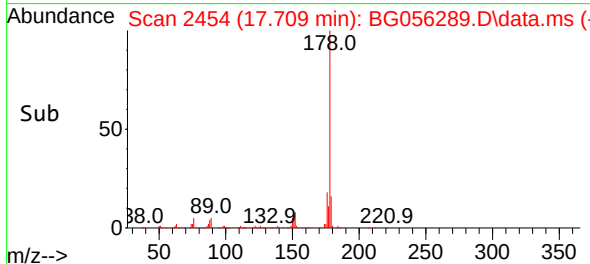
Instrument :
BNA_G
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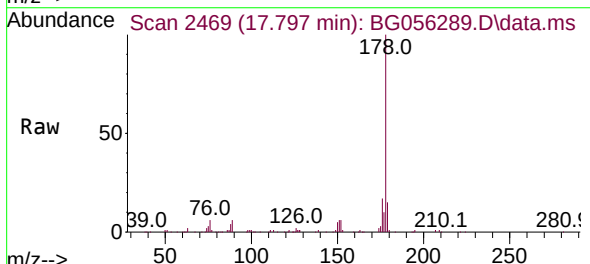
Tgt Ion:178 Resp: 408124
Ion Ratio Lower Upper
178 100
176 18.1 15.4 23.0
179 15.8 13.6 20.4

Manual Integrations
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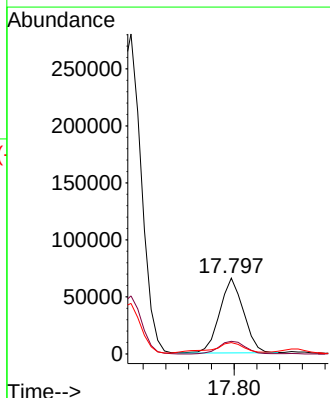
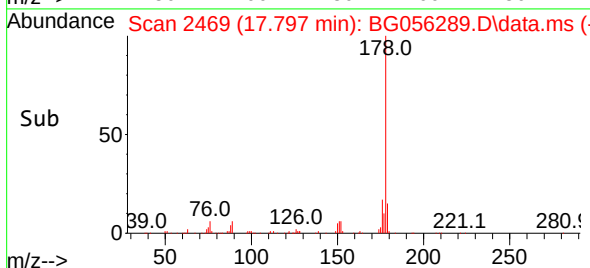
Reviewed By :Christian Giraldo 01/16/2023
Supervised By :Jagrut Upadhyay 01/16/2023

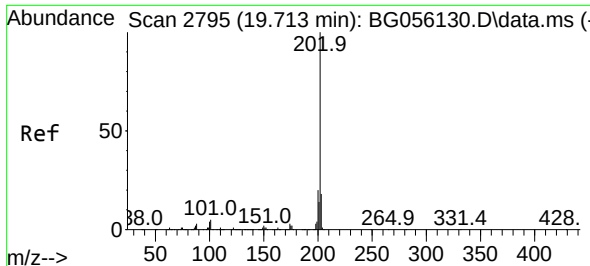


#72
Anthracene
Concen: 5.541 ng
RT: 17.797 min Scan# 2469
Delta R.T. -0.002 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44



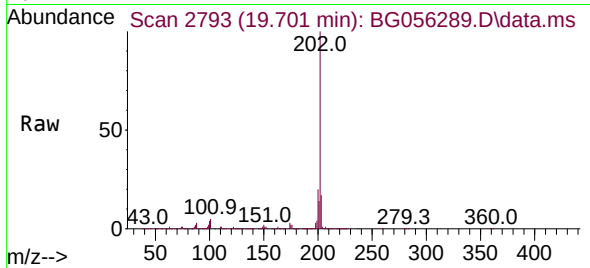
Tgt Ion:178 Resp: 95795
Ion Ratio Lower Upper
178 100
176 16.5 14.6 22.0
179 14.9 12.7 19.1





#75
Fluoranthene
Concen: 27.481 ng
RT: 19.701 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44

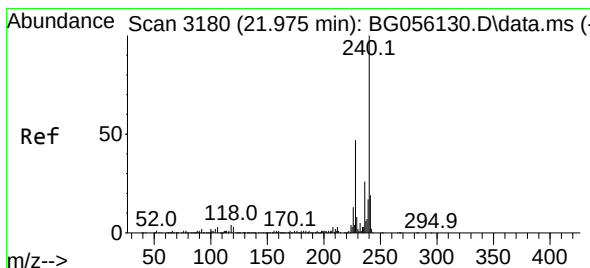
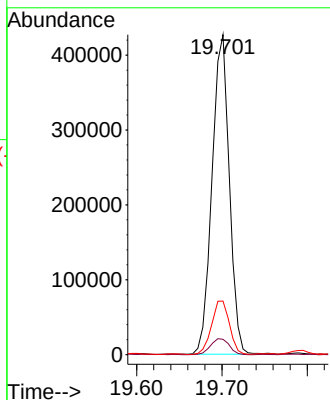
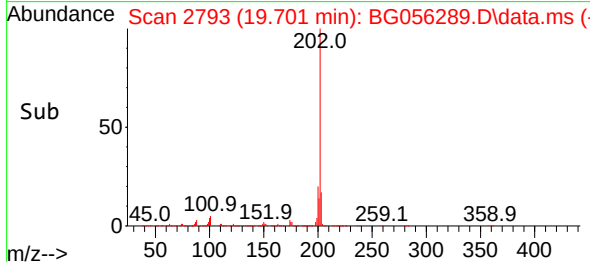
Instrument :
BNA_G
ClientSampleId :
WC-3



Tgt Ion:202 Resp: 600773
Ion Ratio Lower Upper
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101 4.8 0.0 25.0
203 16.7 0.0 38.0

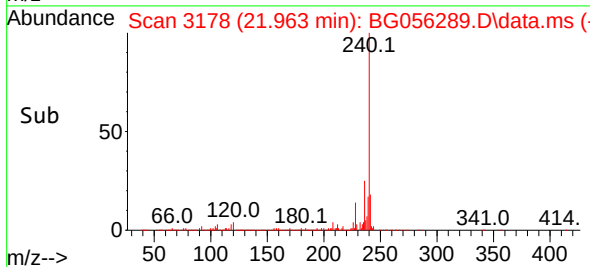
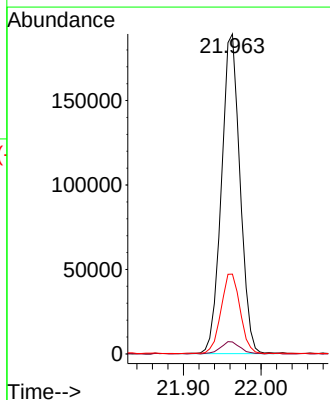
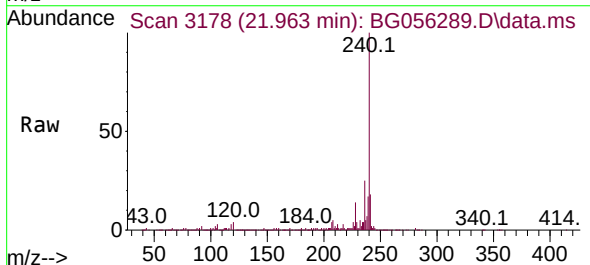
Manual Integrations
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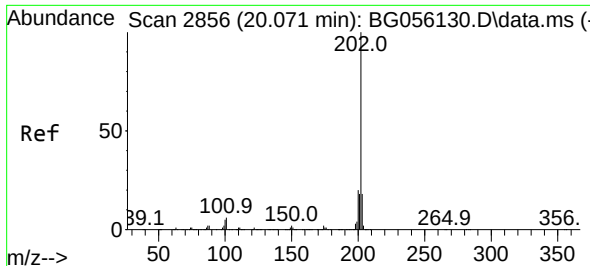
Reviewed By :Christian Giraldo 01/16/2023
Supervised By :Jagrut Upadhyay 01/16/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.963 min Scan# 3178
Delta R.T. 0.004 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44

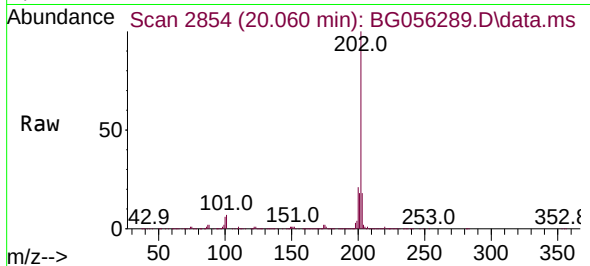
Tgt Ion:240 Resp: 315275
Ion Ratio Lower Upper
240 100
120 3.7 2.6 4.0
236 24.9 20.8 31.2





#78
Pyrene
Concen: 23.813 ng
RT: 20.060 min Scan# 2854
Delta R.T. 0.004 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44

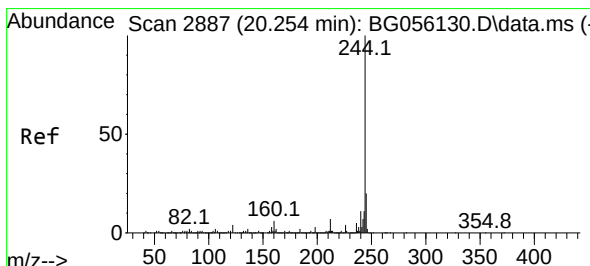
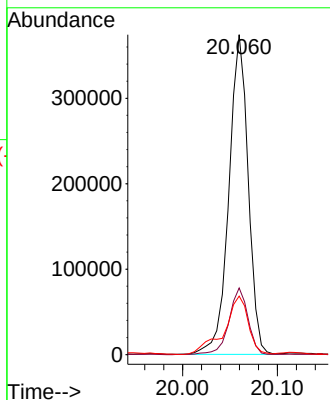
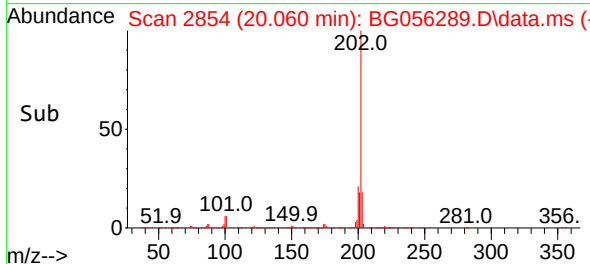
Instrument :
BNA_G
ClientSampleId :
WC-3



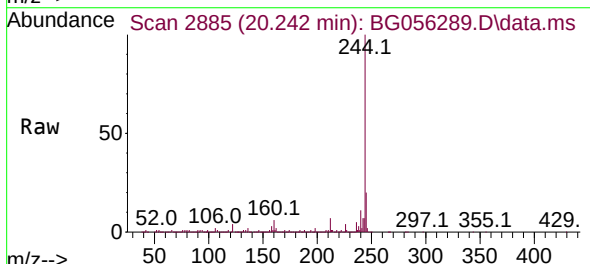
Tgt Ion:202 Resp: 529181
Ion Ratio Lower Upper
202 100
200 20.8 16.4 24.6
203 18.3 14.3 21.5

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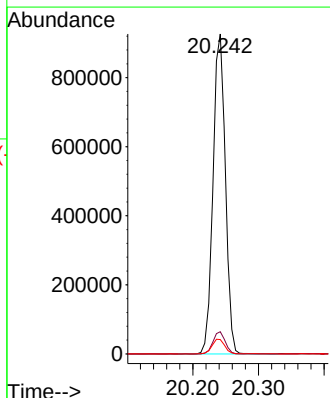
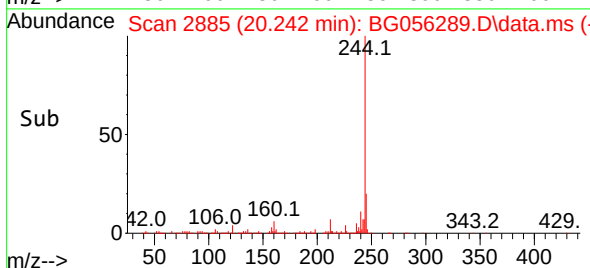
Reviewed By :Christian Giraldo 01/16/2023
Supervised By :Jagrut Upadhyay 01/16/2023

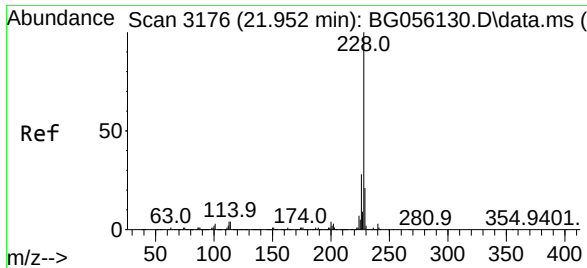


#79
Terphenyl-d14
Concen: 68.808 ng
RT: 20.242 min Scan# 2885
Delta R.T. 0.004 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44



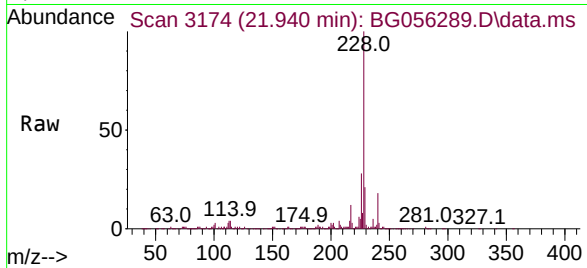
Tgt Ion:244 Resp: 1211219
Ion Ratio Lower Upper
244 100
212 6.9 5.7 8.5
122 4.5 3.5 5.3





#81
Benzo(a)anthracene
Concen: 12.861 ng
RT: 21.940 min Scan# 3174
Delta R.T. -0.002 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44

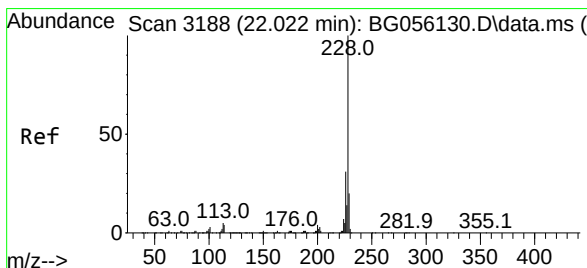
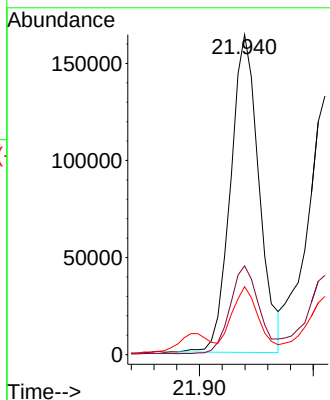
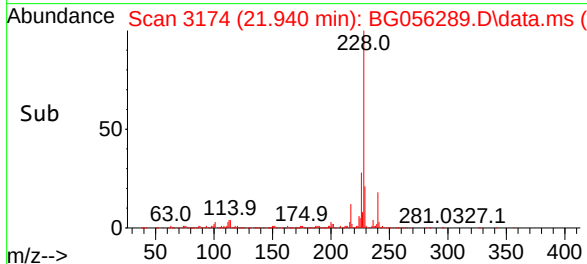
Instrument :
BNA_G
ClientSampleId :
WC-3



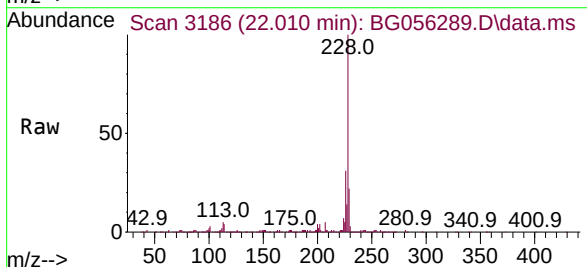
Tgt Ion:228 Resp: 284802
Ion Ratio Lower Upper
228 100
226 27.7 22.6 34.0
229 21.2 16.9 25.3

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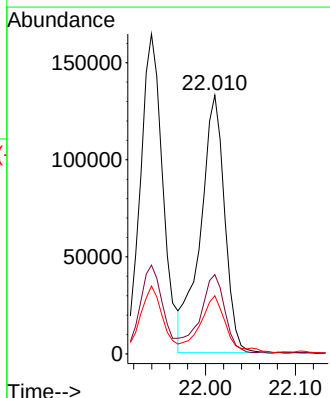
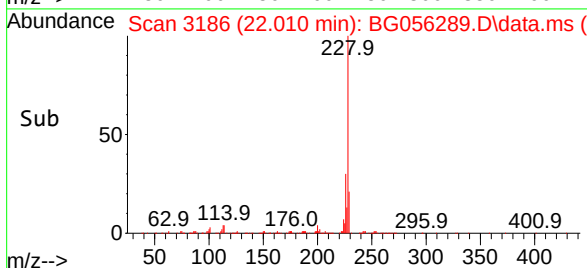
Reviewed By :Christian Giraldo 01/16/2023
Supervised By :Jagrut Upadhyay 01/16/2023

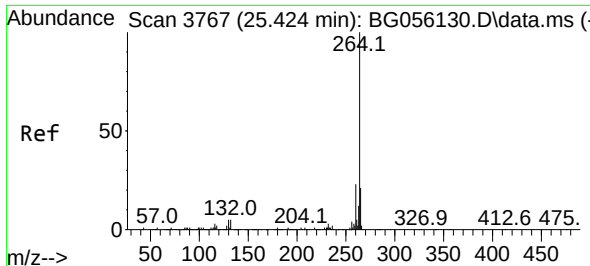


#83
Chrysene
Concen: 12.044 ng
RT: 22.010 min Scan# 3186
Delta R.T. -0.002 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44



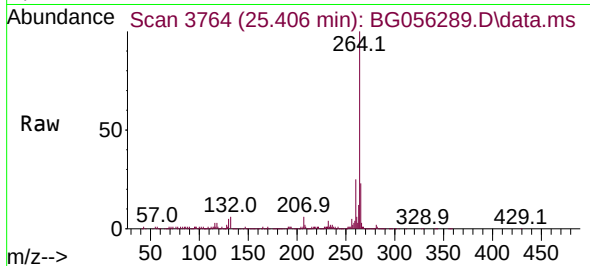
Tgt Ion:228 Resp: 249829
Ion Ratio Lower Upper
228 100
226 30.6 24.6 36.8
229 22.5 15.8 23.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.406 min Scan# 31
Delta R.T. 0.004 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44

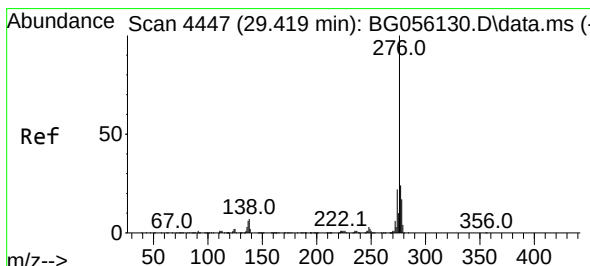
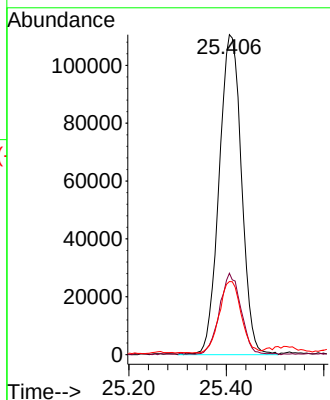
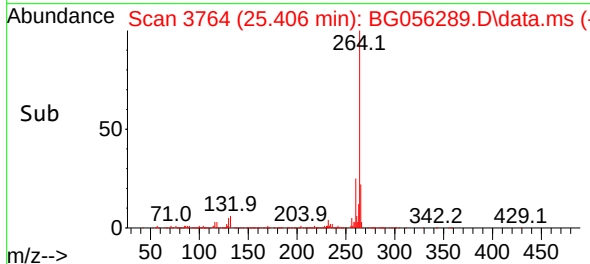
Instrument :
BNA_G
ClientSampleId :
WC-3



Tgt Ion:264 Resp: 351296
Ion Ratio Lower Upper
264 100
260 25.4 18.6 28.0
265 22.8 16.7 25.1

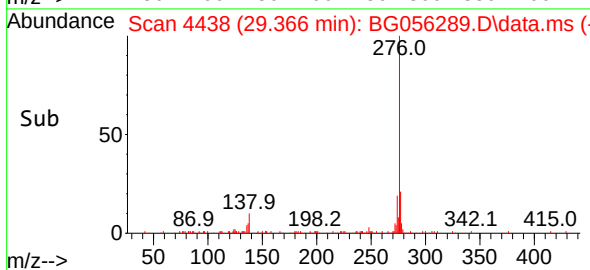
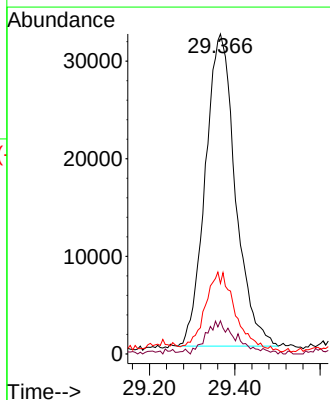
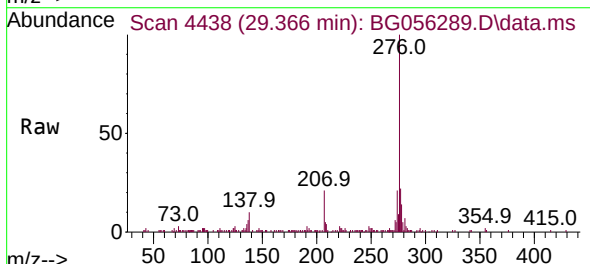
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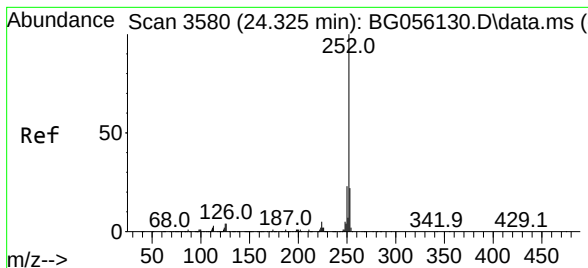
Reviewed By :Christian Giraldo 01/16/2023
Supervised By :Jagrut Upadhyay 01/16/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.138 ng
RT: 29.366 min Scan# 4438
Delta R.T. 0.004 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44

Tgt Ion:276 Resp: 156814
Ion Ratio Lower Upper
276 100
138 10.0 5.0 7.4#
277 26.5 20.5 30.7





#88

Benzo(b)fluoranthene

Concen: 14.910 ng

RT: 24.308 min Scan# 3577

Delta R.T. 0.010 min

Lab File: BG056289.D

Acq: 13 Jan 2023 22:44

Instrument :

BNA_G

ClientSampleId :

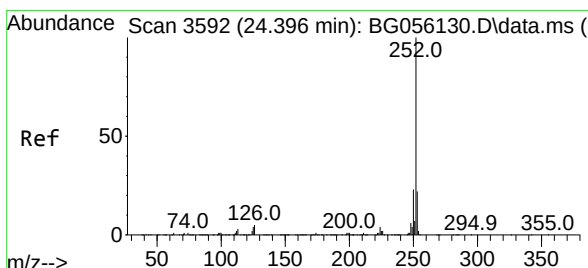
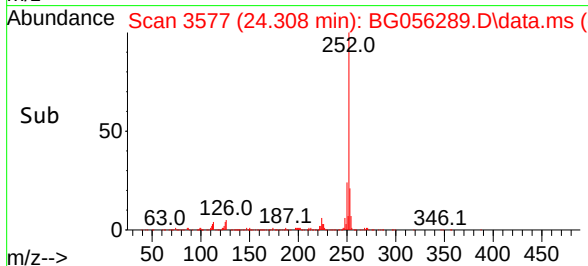
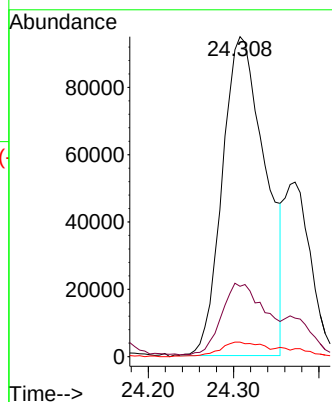
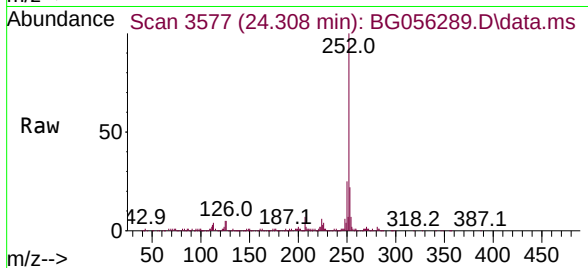
WC-3

Tgt Ion:252 Resp: 332795
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.4 26.2
 125 4.5 3.0 4.4

Manual Integrations

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Reviewed By :Christian Giraldo 01/16/2023
 Supervised By :Jagrut Upadhyay 01/16/2023



#89

Benzo(k)fluoranthene

Concen: 4.980 ng m

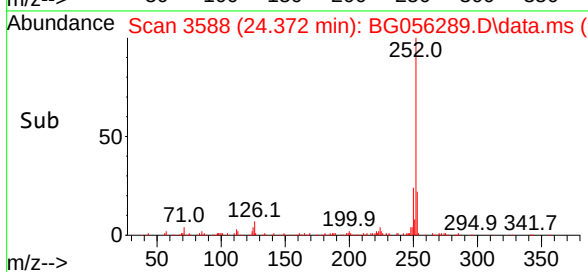
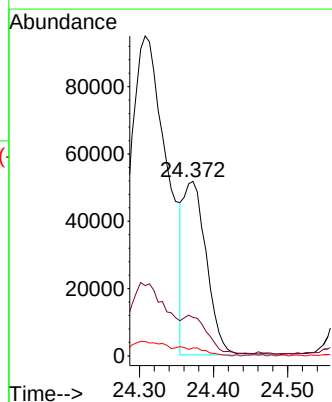
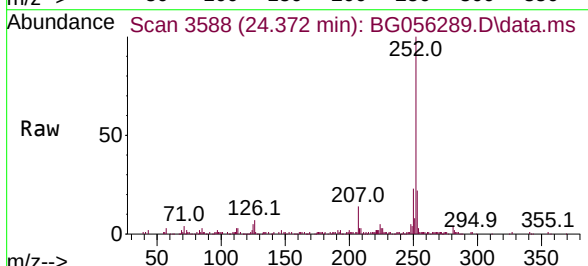
RT: 24.372 min Scan# 3588

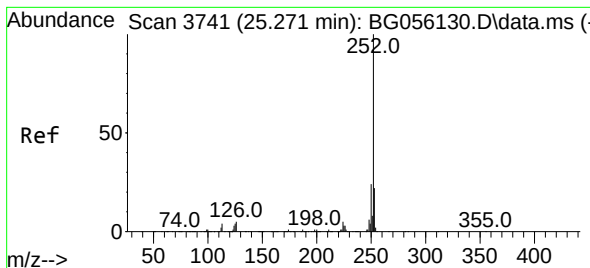
Delta R.T. -0.002 min

Lab File: BG056289.D

Acq: 13 Jan 2023 22:44

Tgt Ion:252 Resp: 110697
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.5 26.3
 125 4.5 3.4 5.0





#90

Benzo(a)pyrene

Concen: 10.972 ng

RT: 25.242 min Scan# 31

Delta R.T. -0.002 min

Lab File: BG056289.D

Acq: 13 Jan 2023 22:44

Instrument :

BNA_G

ClientSampleId :

WC-3

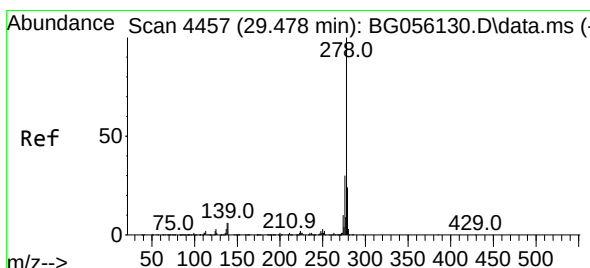
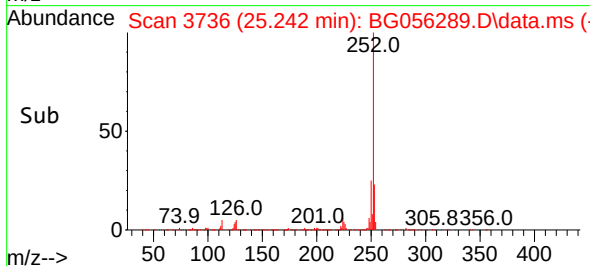
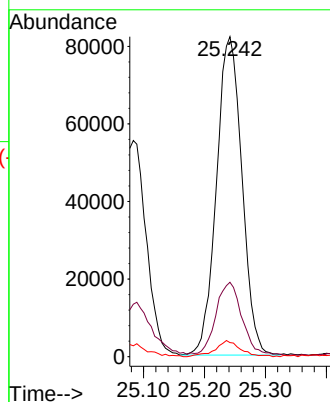
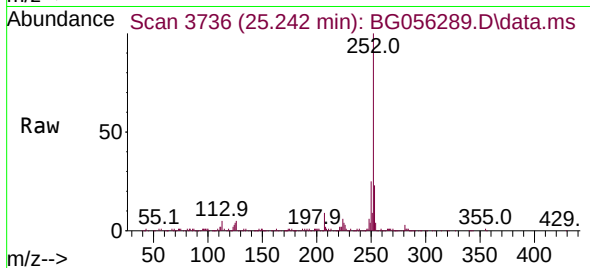
Tgt Ion:252 Resp: 238863

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.2
125	4.4	3.2	4.8

Manual Integrations

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Reviewed By :Christian Giraldo 01/16/2023
Supervised By :Jagrut Upadhyay 01/16/2023



#91

Dibenzo(a,h)anthracene

Concen: 2.170 ng m

RT: 29.413 min Scan# 4446

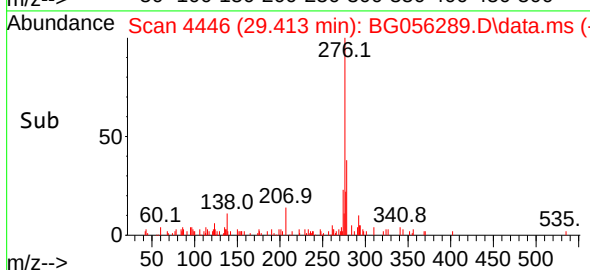
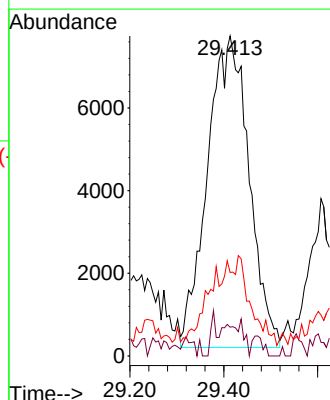
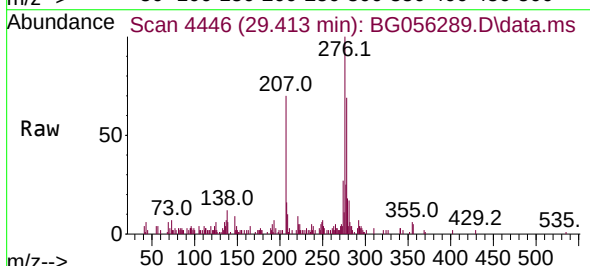
Delta R.T. -0.020 min

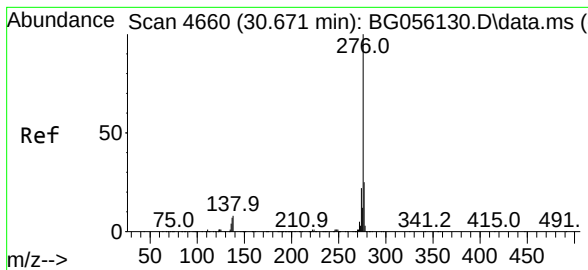
Lab File: BG056289.D

Acq: 13 Jan 2023 22:44

Tgt Ion:278 Resp: 46471

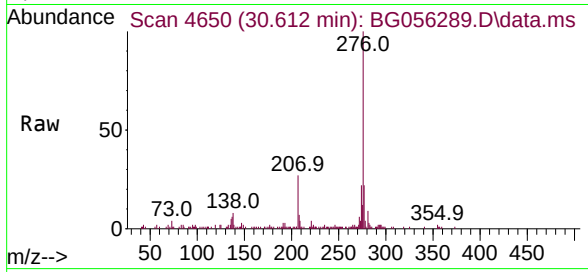
Ion	Ratio	Lower	Upper
278	100		
139	9.0	4.8	7.2
279	26.1	19.0	28.4





#92
 Benzo(g,h,i)perylene
 Concen: 7.429 ng
 RT: 30.612 min Scan# 4650
 Delta R.T. -0.002 min
 Lab File: BG056289.D
 Acq: 13 Jan 2023 22:44

Instrument :
 BNA_G
 ClientSampleId :
 WC-3



Tgt Ion: 276 Resp: 154323

Ion	Ratio	Lower	Upper
276	100		
277	22.4	19.7	29.5
138	7.6	6.7	10.1

Manual Integrations
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Reviewed By : Christian Giraldo 01/16/2023
 Supervised By : Jagrut Upadhyay 01/16/2023

