

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090722\
 Data File : BG054874.D
 Acq On : 7 Sep 2022 18:33
 Operator : CG/JU
 Sample : N4498-01DL 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-02-090222DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/08/2022
 Supervised By : Jagrut Upadhyay 09/08/2022

Quant Time: Sep 08 04:46:53 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 17:50:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.147	152	53376	20.000	ng	0.00
21) Naphthalene-d8	10.973	136	223299	20.000	ng	0.00
39) Acenaphthene-d10	14.780	164	150423	20.000	ng	0.00
64) Phenanthrene-d10	17.530	188	315695	20.000	ng	0.00
76) Chrysene-d12	21.831	240	291589	20.000	ng	0.00
86) Perylene-d12	25.209	264	307154	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.691	112	61378	20.024	ng	0.00
7) Phenol-d6	7.301	99	86527	20.641	ng	0.00
23) Nitrobenzene-d5	9.322	82	51616	12.135	ng	0.00
42) 2,4,6-Tribromophenol	16.272	330	35440	18.855	ng	0.00
45) 2-Fluorobiphenyl	13.405	172	139615	13.950	ng	0.00
79) Terphenyl-d14	20.127	244	211995	14.405	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.845	154	18487	2.056	ng	97
58) Fluorene	15.826	166	48102	4.321	ng	99
71) Phenanthrene	17.577	178	397459	23.634	ng	98
72) Anthracene	17.665	178	103805	6.349	ng	98
75) Fluoranthene	19.580	202	526751	25.748	ng	98
78) Pyrene	19.945	202	484849	23.846	ng	99
81) Benzo(a)anthracene	21.807	228	226784	11.471	ng	99
83) Chrysene	21.878	228	203243	10.752	ng	99
87) Indeno(1,2,3-cd)pyrene	29.104	276	124943	5.358	ng	97
88) Benzo(b)fluoranthene	24.128	252	252729	13.116	ng	97
89) Benzo(k)fluoranthene	24.192	252	90078m	4.645	ng	
90) Benzo(a)pyrene	25.044	252	196298	11.924	ng	99
92) Benzo(g,h,i)perylene	30.321	276	120956	6.303	ng	97

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

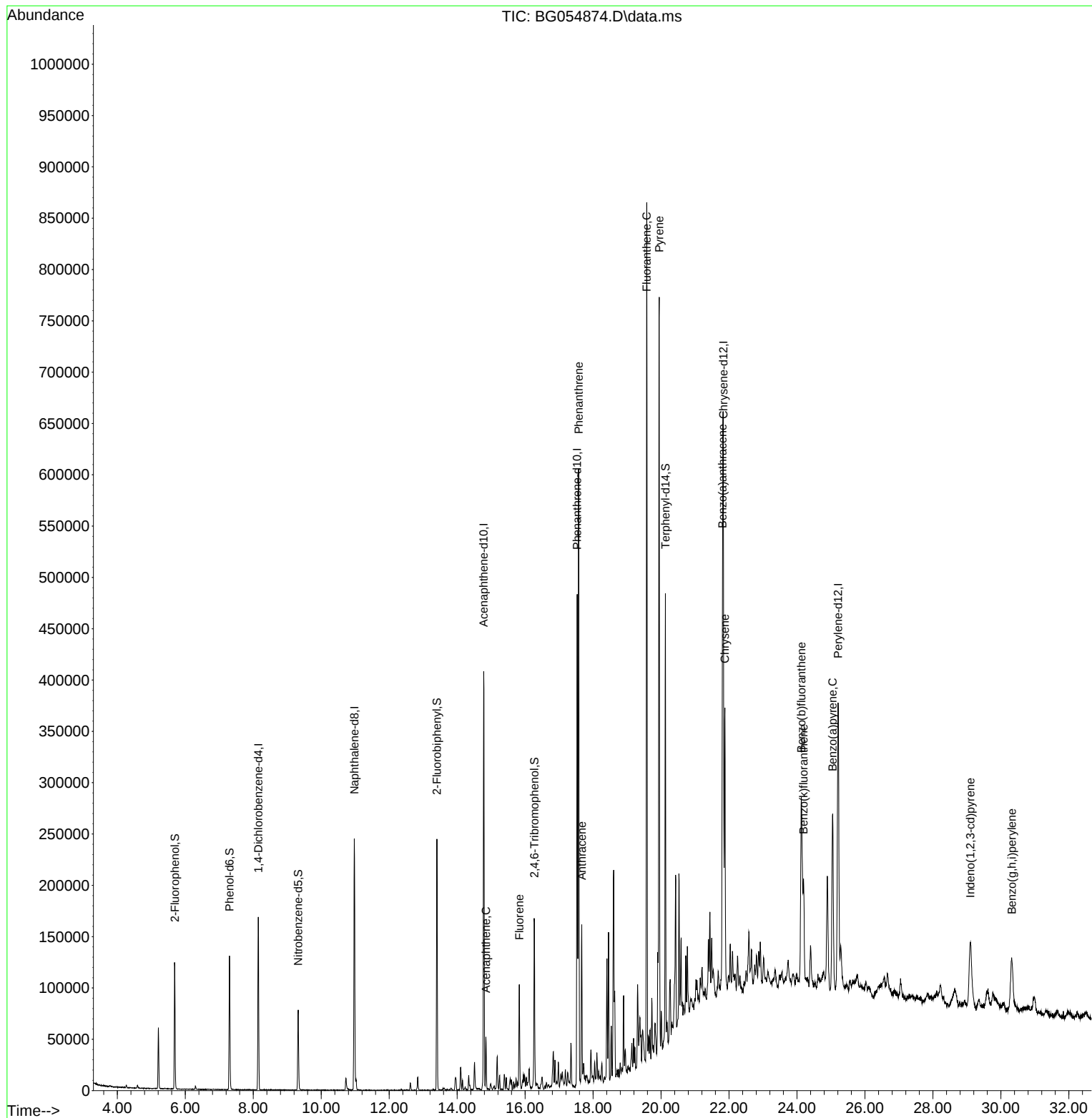
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090722\
Data File : BG054874.D
Acq On : 7 Sep 2022 18:33
Operator : CG/JU
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ALS Vial : 10 Sample Multiplier: 1

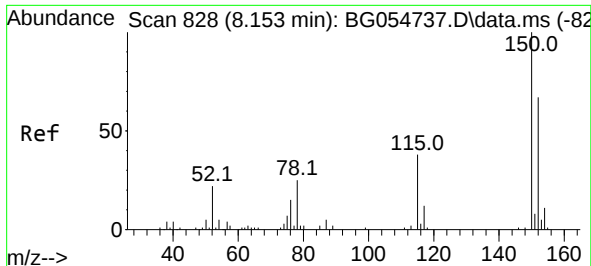
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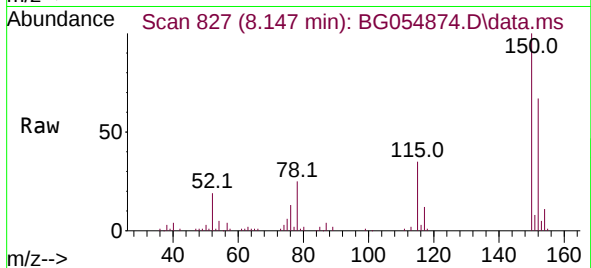
Quant Time: Sep 08 04:46:53 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 25 17:50:55 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.147 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG054874.D
Acq: 7 Sep 2022 18:33

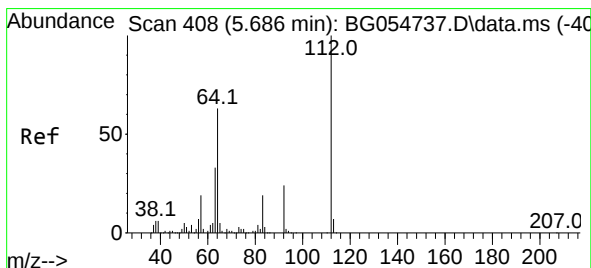
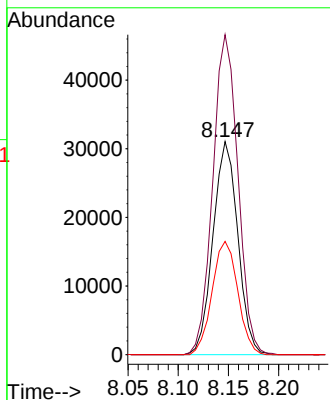
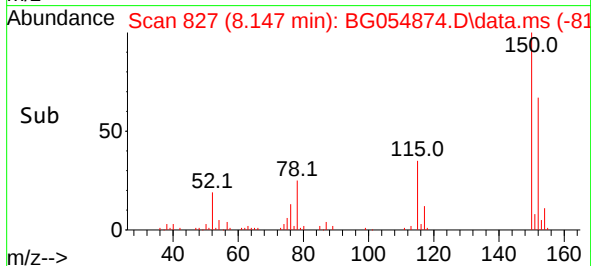
Instrument :
BNA_G
ClientSampleId :
CL-02-090222DL



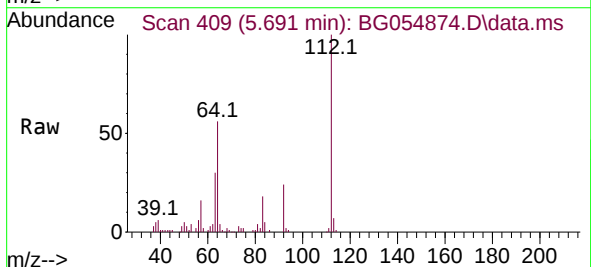
Tgt Ion:152 Resp: 53376
Ion Ratio Lower Upper
152 100
150 150.2 125.2 187.8
115 53.1 47.9 71.9

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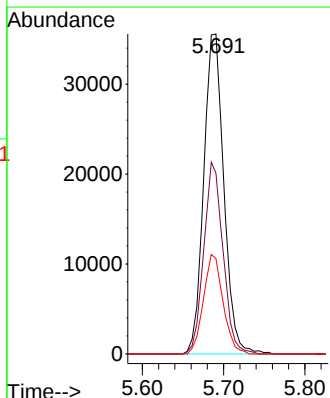
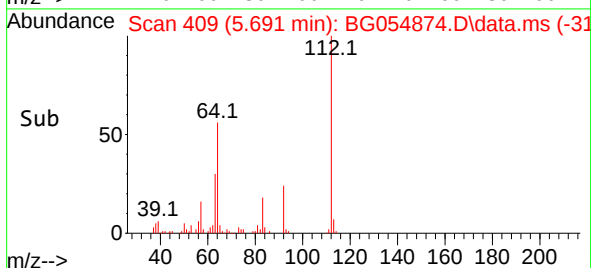
Reviewed By :Christian Giraldo 09/08/2022
Supervised By :Jagrut Upadhyay 09/08/2022

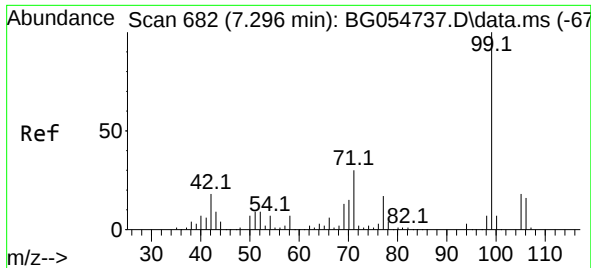


#5
2-Fluorophenol
Concen: 20.024 ng
RT: 5.691 min Scan# 409
Delta R.T. 0.005 min
Lab File: BG054874.D
Acq: 7 Sep 2022 18:33



Tgt Ion:112 Resp: 61378
Ion Ratio Lower Upper
112 100
64 56.4 49.3 73.9
63 29.8 26.3 39.5





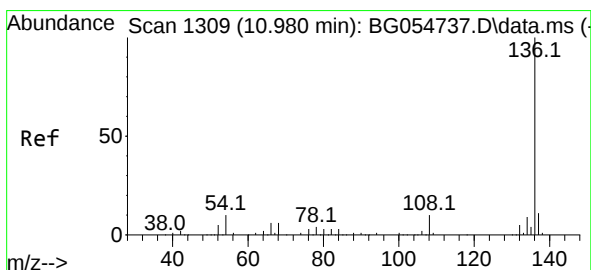
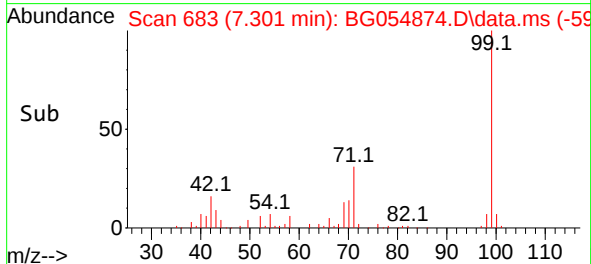
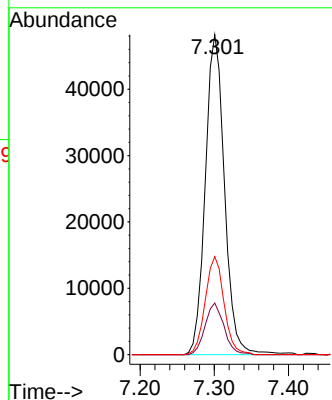
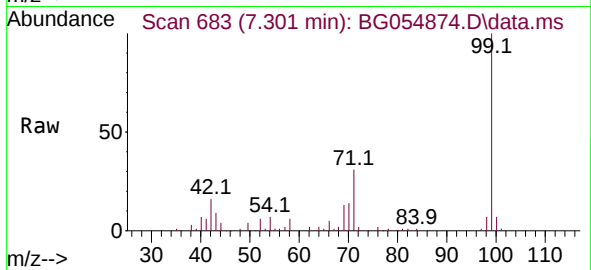
#7
Phenol-d6
Concen: 20.641 ng
RT: 7.301 min Scan# 682
Delta R.T. 0.005 min
Lab File: BG054874.D
Acq: 7 Sep 2022 18:33

Instrument :
BNA_G
ClientSampleId :
CL-02-090222DL

Tgt Ion: 99 Resp: 8652
Ion Ratio Lower Upper
99 100
42 16.1 14.6 22.0
71 30.6 24.6 37.0

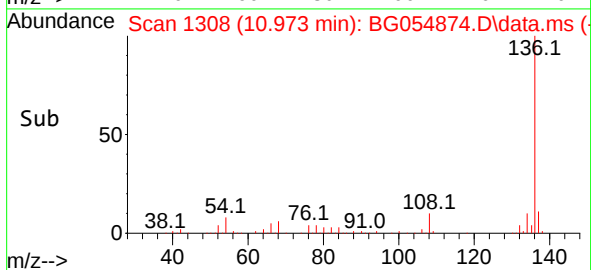
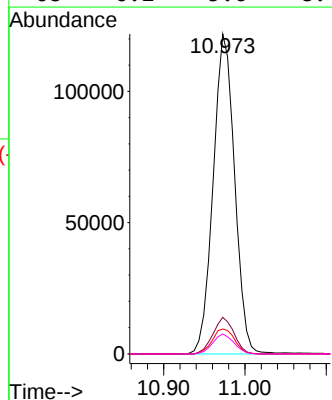
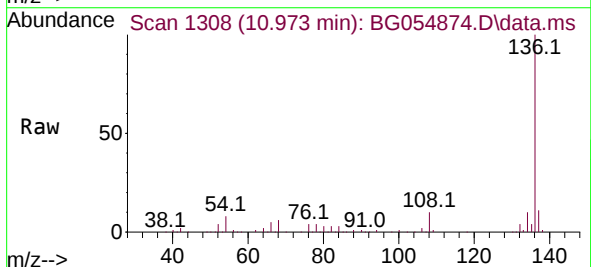
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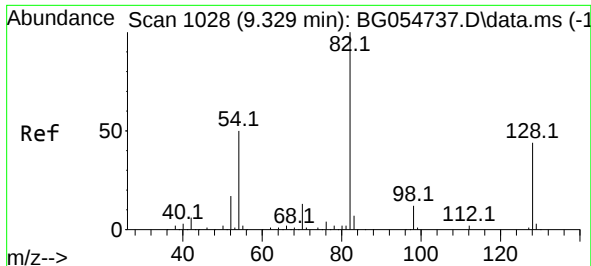
Reviewed By :Christian Giraldo 09/08/2022
Supervised By :Jagrut Upadhyay 09/08/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.973 min Scan# 1308
Delta R.T. -0.007 min
Lab File: BG054874.D
Acq: 7 Sep 2022 18:33

Tgt Ion:136 Resp: 223299
Ion Ratio Lower Upper
136 100
137 11.4 9.2 13.8
54 7.8 7.7 11.5
68 6.2 5.6 8.4





#23

Nitrobenzene-d5

Concen: 12.135 ng

RT: 9.322 min Scan# 1028

Delta R.T. -0.007 min

Lab File: BG054874.D

Acq: 7 Sep 2022 18:33

Instrument :

BNA_G

ClientSampleId :

CL-02-090222DL

Tgt Ion: 82 Resp: 51616

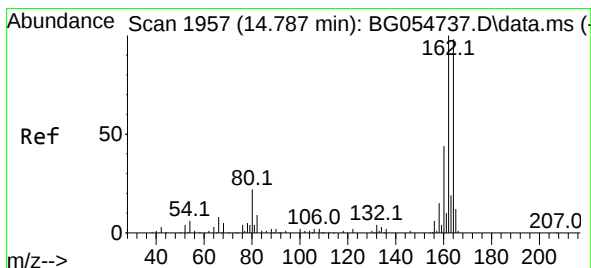
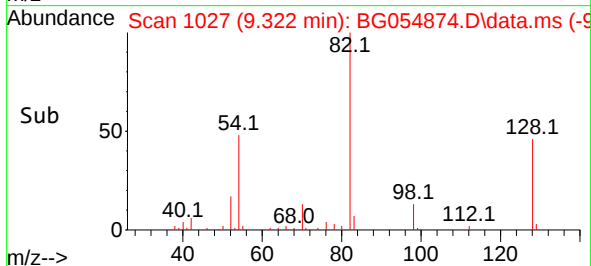
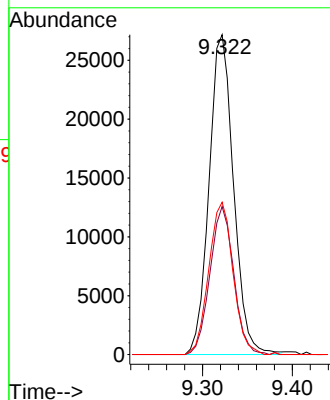
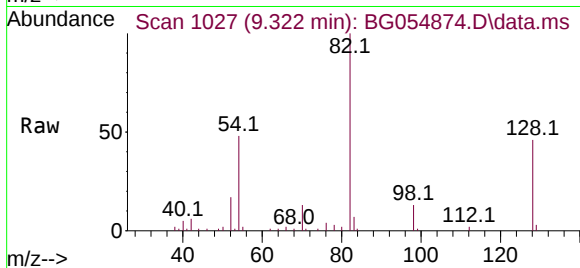
Ion	Ratio	Lower	Upper
82	100		
128	46.3	32.2	48.2
54	47.6	41.4	62.0

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.780 min Scan# 1956

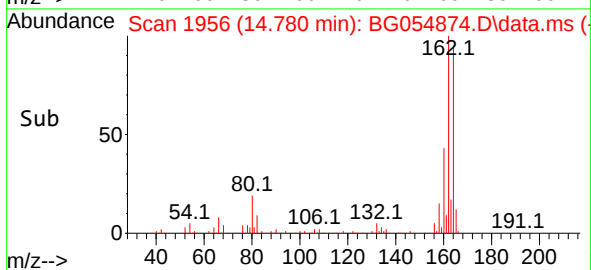
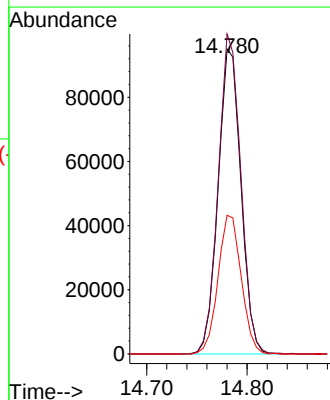
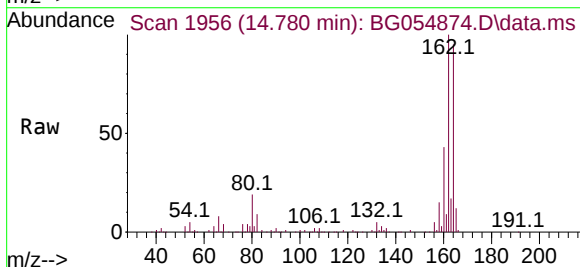
Delta R.T. -0.007 min

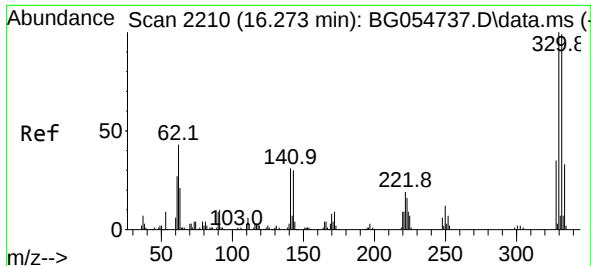
Lab File: BG054874.D

Acq: 7 Sep 2022 18:33

Tgt Ion:164 Resp: 150423

Ion	Ratio	Lower	Upper
164	100		
162	105.0	83.0	124.4
160	45.5	38.0	57.0





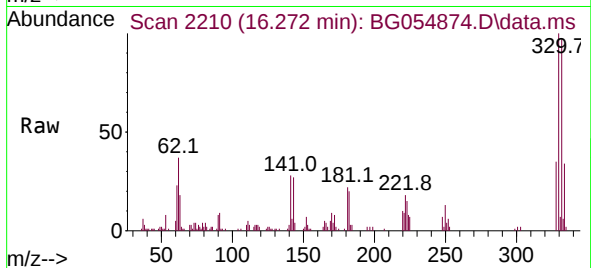
#42
2,4,6-Tribromophenol
Concen: 18.855 ng
RT: 16.272 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG054874.D
Acq: 7 Sep 2022 18:33

Instrument :

BNA_G

ClientSampleId :

CL-02-090222DL

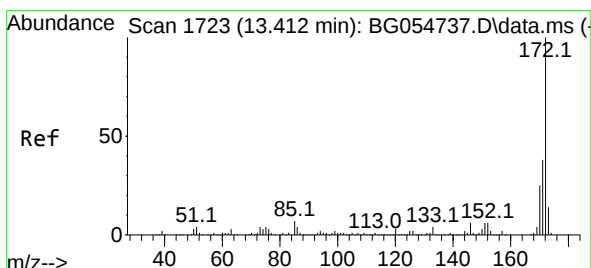
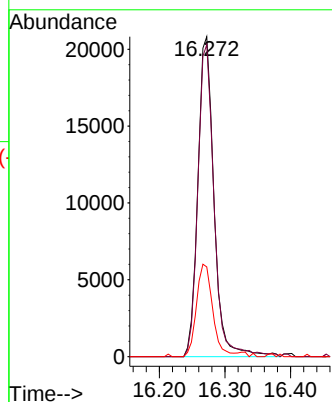
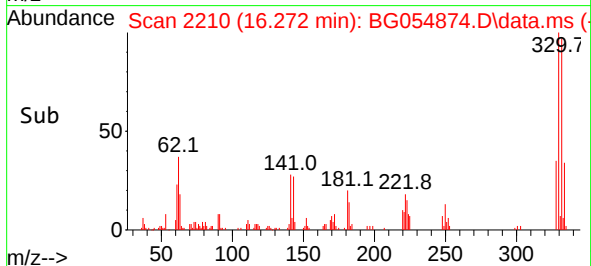


Tgt Ion:330 Resp: 35440
Ion Ratio Lower Upper
330 100
332 97.9 79.8 119.6
141 29.0 26.8 40.2

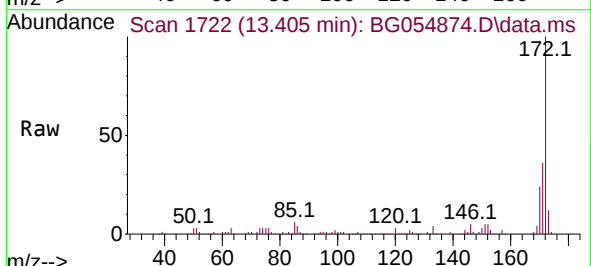
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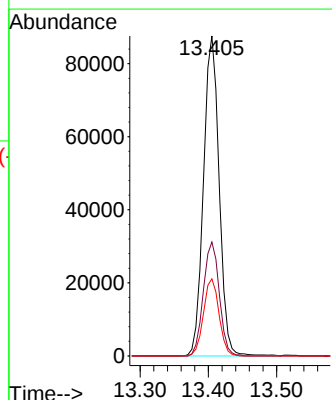
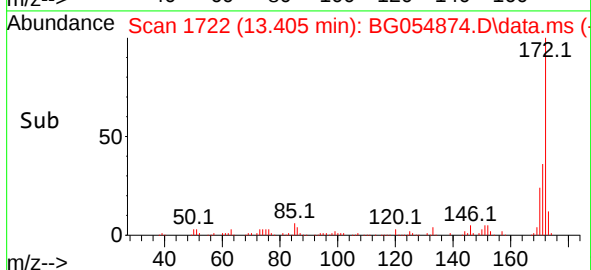
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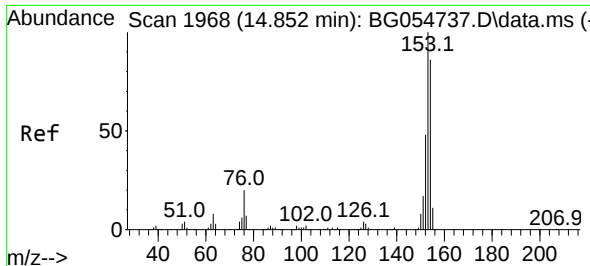


#45
2-Fluorobiphenyl
Concen: 13.950 ng
RT: 13.405 min Scan# 1722
Delta R.T. -0.007 min
Lab File: BG054874.D
Acq: 7 Sep 2022 18:33



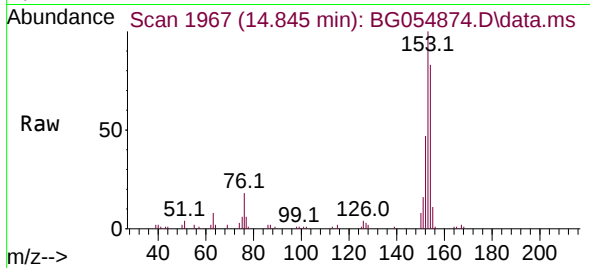
Tgt Ion:172 Resp: 139615
Ion Ratio Lower Upper
172 100
171 35.6 31.2 46.8
170 24.1 20.6 30.8





#52
Acenaphthene
Concen: 2.056 ng
RT: 14.845 min Scan# 1967
Delta R.T. -0.007 min
Lab File: BG054874.D
Acq: 7 Sep 2022 18:33

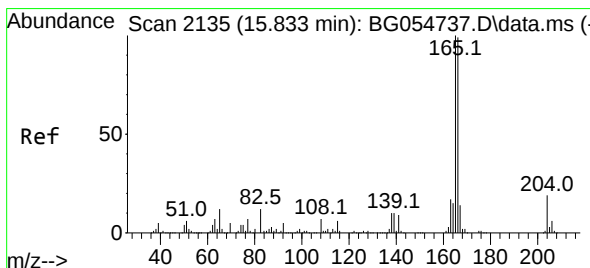
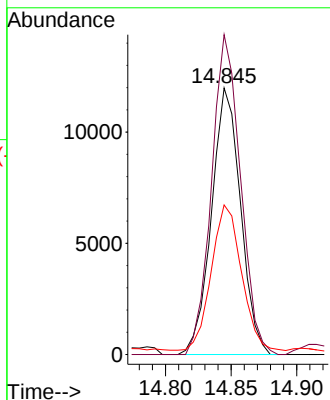
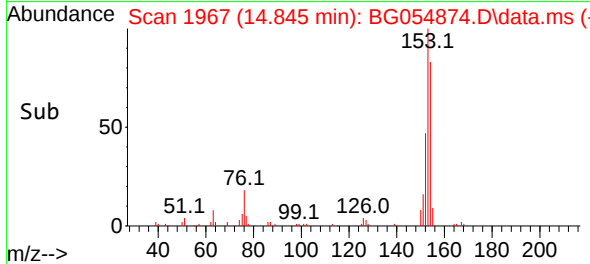
Instrument :
BNA_G
ClientSampleId :
CL-02-090222DL



Tgt Ion:154 Resp: 1848
Ion Ratio Lower Upper
154 100
153 120.0 92.8 139.2
152 56.1 45.4 68.2

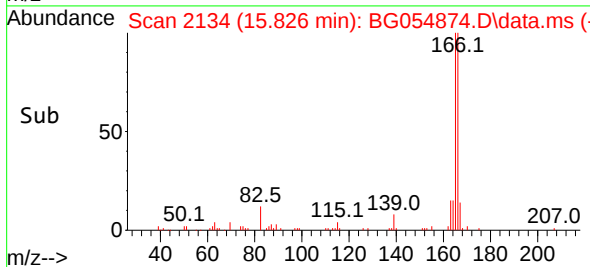
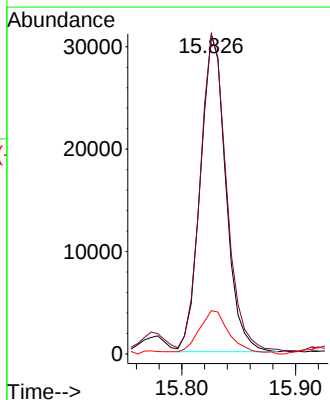
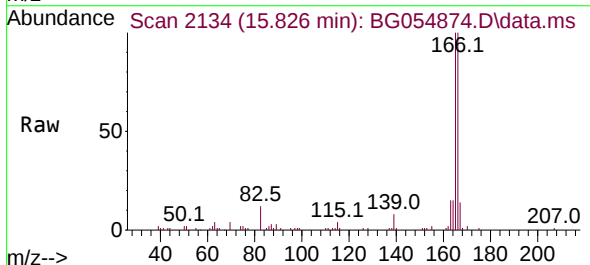
Manual Integrations
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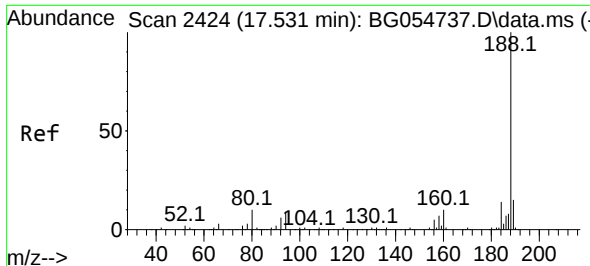
Reviewed By :Christian Giraldo 09/08/2022
Supervised By :Jagrut Upadhyay 09/08/2022



#58
Fluorene
Concen: 4.321 ng
RT: 15.826 min Scan# 2134
Delta R.T. -0.007 min
Lab File: BG054874.D
Acq: 7 Sep 2022 18:33

Tgt Ion:166 Resp: 48102
Ion Ratio Lower Upper
166 100
165 99.7 80.8 121.2
167 13.5 11.4 17.0





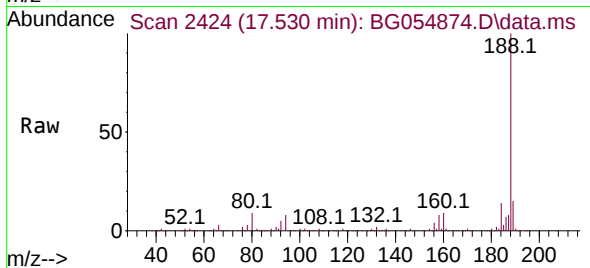
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.530 min Scan# 2424
Delta R.T. -0.001 min
Lab File: BG054874.D
Acq: 7 Sep 2022 18:33

Instrument :

BNA_G

ClientSampleId :

CL-02-090222DL

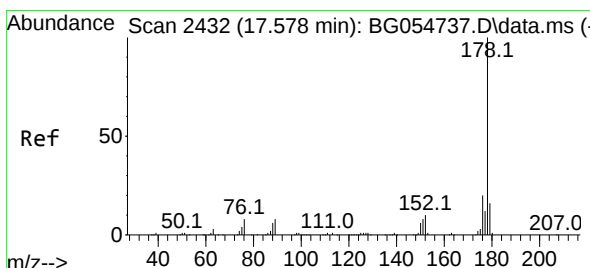
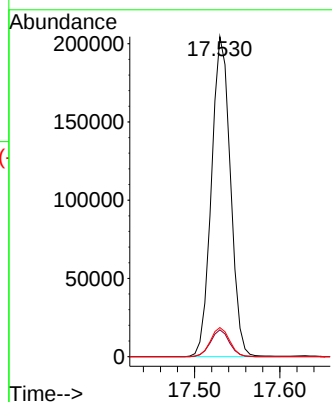
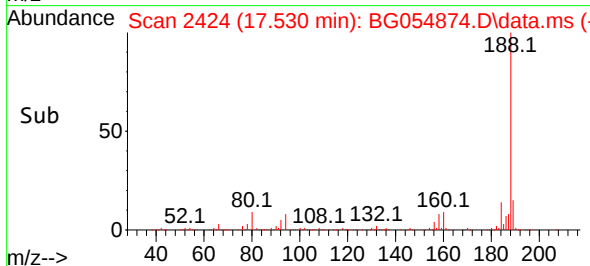


Tgt Ion:188 Resp: 315695
Ion Ratio Lower Upper
188 100
94 8.4 7.0 10.4
80 9.1 7.9 11.9

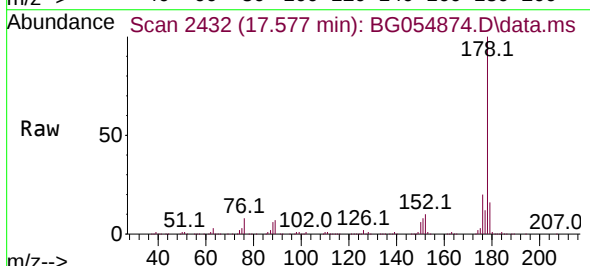
Manual Integrations

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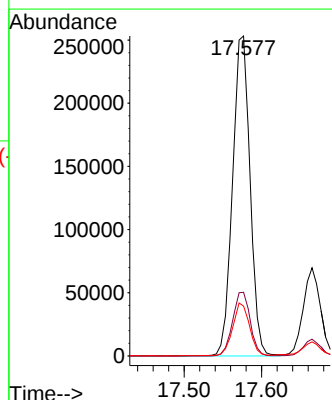
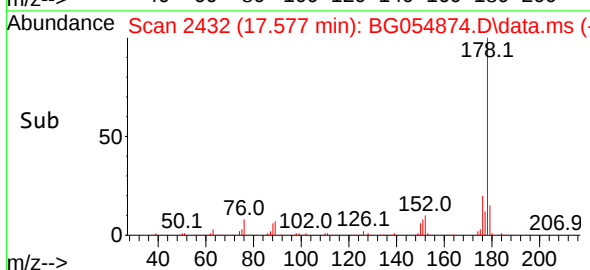
Reviewed By :Christian Giraldo 09/08/2022
Supervised By :Jagrut Upadhyay 09/08/2022

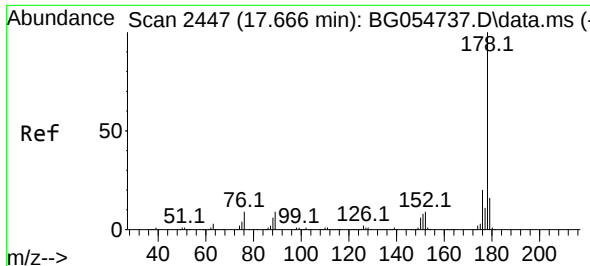


#71
Phenanthrene
Concen: 23.634 ng
RT: 17.577 min Scan# 2432
Delta R.T. -0.001 min
Lab File: BG054874.D
Acq: 7 Sep 2022 18:33



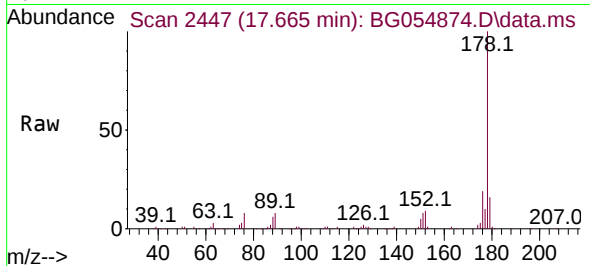
Tgt Ion:178 Resp: 397459
Ion Ratio Lower Upper
178 100
176 19.9 16.6 25.0
179 15.6 12.8 19.2





#72
 Anthracene
 Concen: 6.349 ng
 RT: 17.665 min Scan# 2447
 Delta R.T. -0.001 min
 Lab File: BG054874.D
 Acq: 7 Sep 2022 18:33

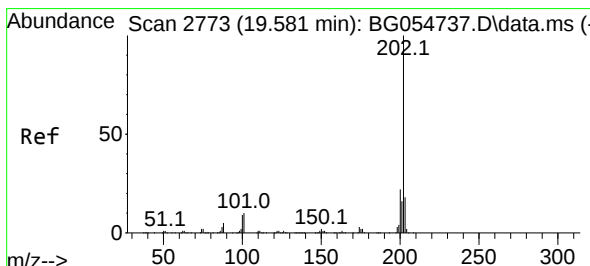
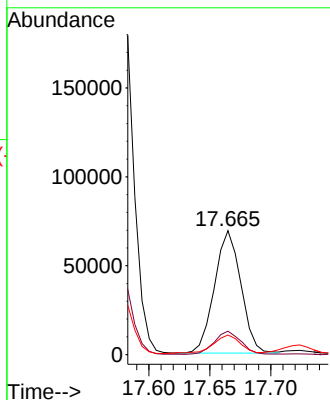
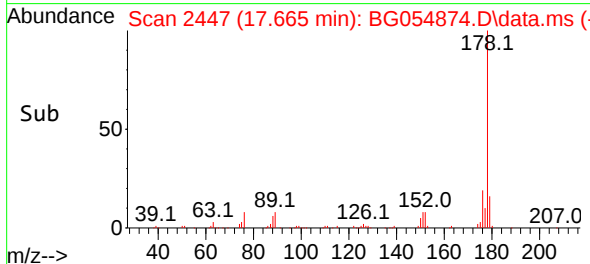
Instrument :
 BNA_G
 ClientSampleId :
 CL-02-090222DL



Tgt Ion:178 Resp: 103805
 Ion Ratio Lower Upper
 178 100
 176 18.9 16.2 24.4
 179 15.9 12.9 19.3

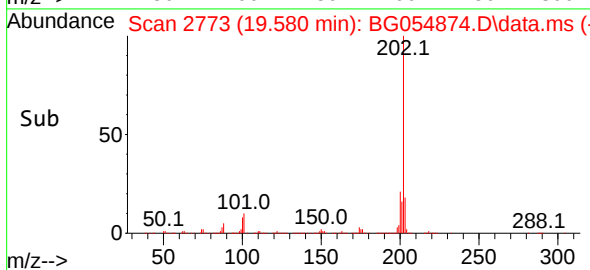
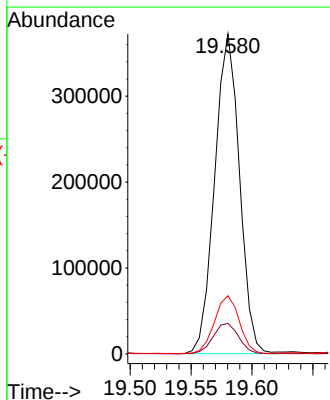
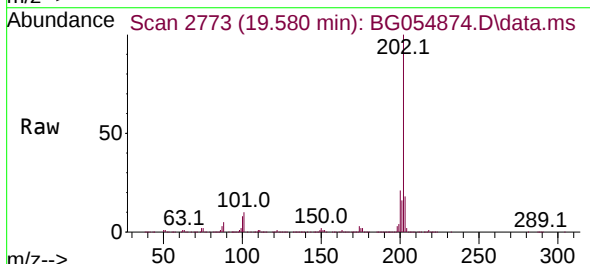
Manual Integrations
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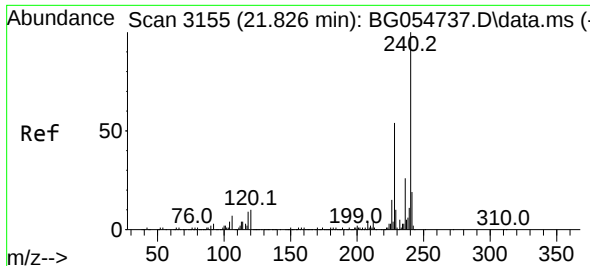
Reviewed By :Christian Giraldo 09/08/2022
 Supervised By :Jagrut Upadhyay 09/08/2022



#75
 Fluoranthene
 Concen: 25.748 ng
 RT: 19.580 min Scan# 2773
 Delta R.T. -0.001 min
 Lab File: BG054874.D
 Acq: 7 Sep 2022 18:33

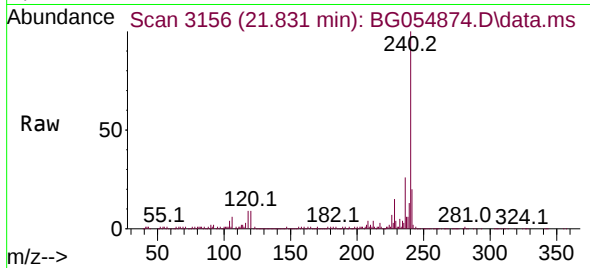
Tgt Ion:202 Resp: 526751
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 31.4
 203 18.2 0.0 38.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.831 min Scan# 3155
Delta R.T. 0.005 min
Lab File: BG054874.D
Acq: 7 Sep 2022 18:33

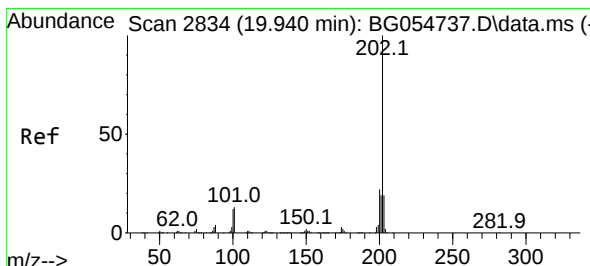
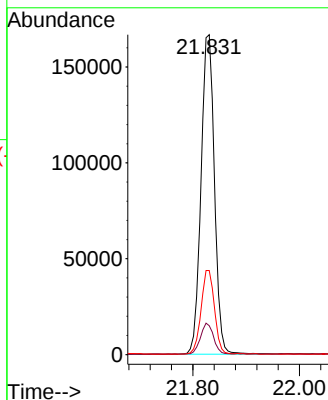
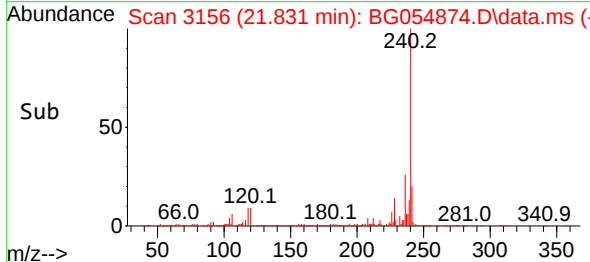
Instrument :
BNA_G
ClientSampleId :
CL-02-090222DL



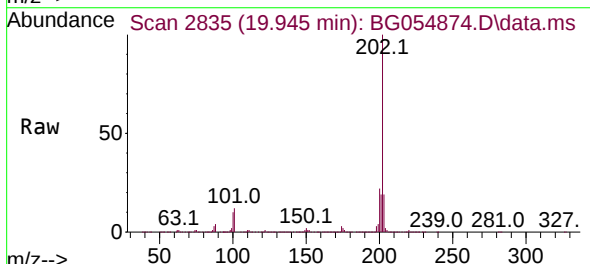
Tgt Ion:240 Resp: 291589
Ion Ratio Lower Upper
240 100
120 9.0 8.2 12.4
236 26.3 21.2 31.8

Manual Integrations
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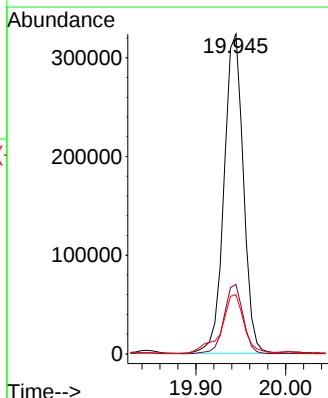
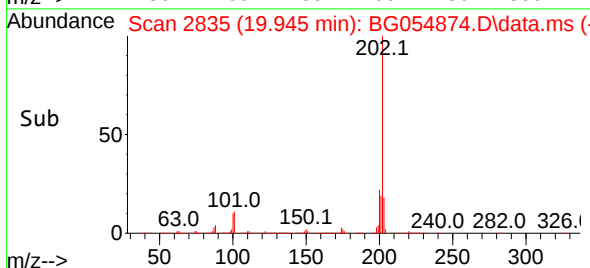
Reviewed By :Christian Giraldo 09/08/2022
Supervised By :Jagrut Upadhyay 09/08/2022

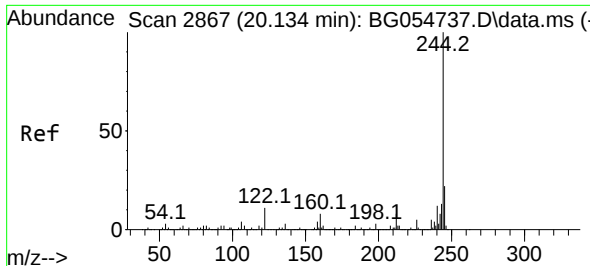


#78
Pyrene
Concen: 23.846 ng
RT: 19.945 min Scan# 2835
Delta R.T. 0.005 min
Lab File: BG054874.D
Acq: 7 Sep 2022 18:33



Tgt Ion:202 Resp: 484849
Ion Ratio Lower Upper
202 100
200 21.7 17.8 26.6
203 18.5 14.6 21.8





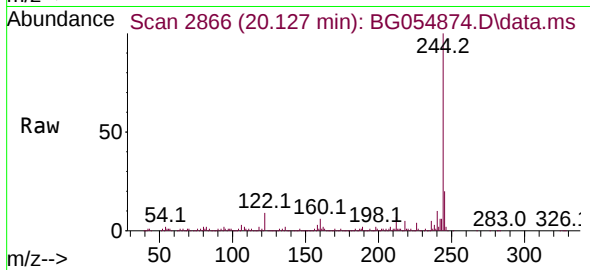
#79
 Terphenyl-d14
 Concen: 14.405 ng
 RT: 20.127 min Scan# 2866
 Delta R.T. -0.007 min
 Lab File: BG054874.D
 Acq: 7 Sep 2022 18:33

Instrument :

BNA_G

ClientSampleId :

CL-02-090222DL

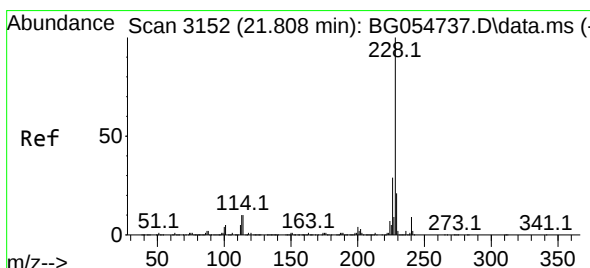
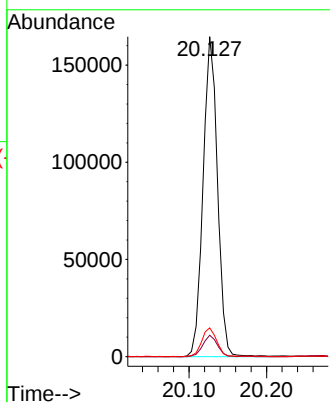
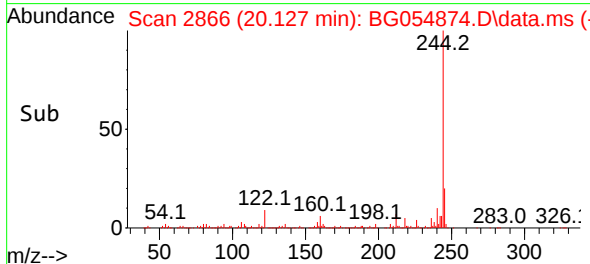


Tgt Ion:244 Resp: 211995
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.2 9.2
 122 9.0 9.0 13.6

Manual Integrations

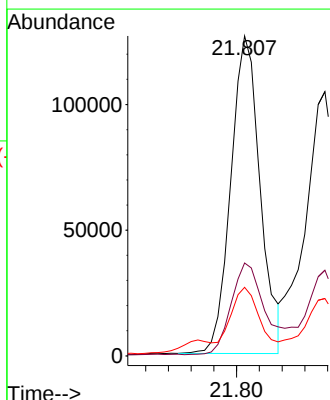
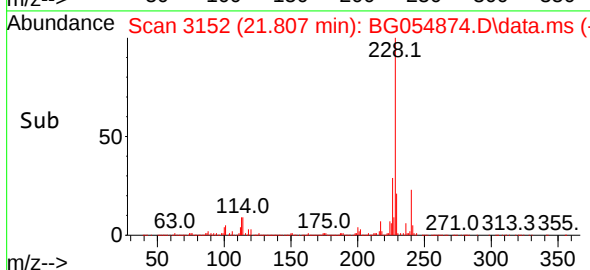
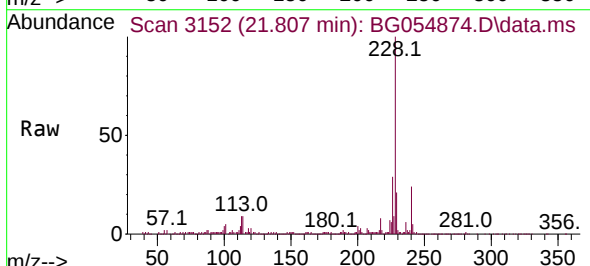
APPROVED

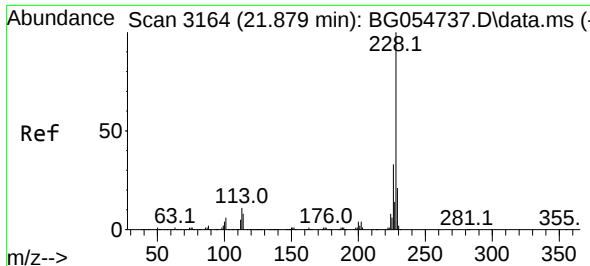
Reviewed By :Christian Giraldo 09/08/2022
 Supervised By :Jagrut Upadhyay 09/08/2022



#81
 Benzo(a)anthracene
 Concen: 11.471 ng
 RT: 21.807 min Scan# 3152
 Delta R.T. -0.001 min
 Lab File: BG054874.D
 Acq: 7 Sep 2022 18:33

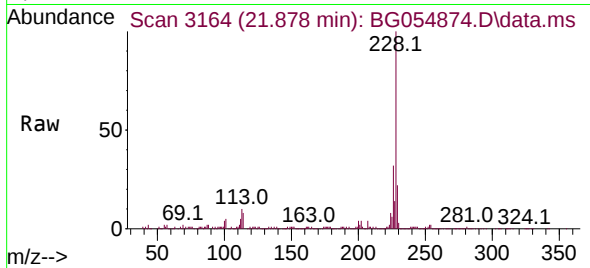
Tgt Ion:228 Resp: 226784
 Ion Ratio Lower Upper
 228 100
 226 29.0 23.4 35.2
 229 21.4 16.5 24.7





#83
Chrysene
Concen: 10.752 ng
RT: 21.878 min Scan# 3164
Delta R.T. -0.001 min
Lab File: BG054874.D
Acq: 7 Sep 2022 18:33

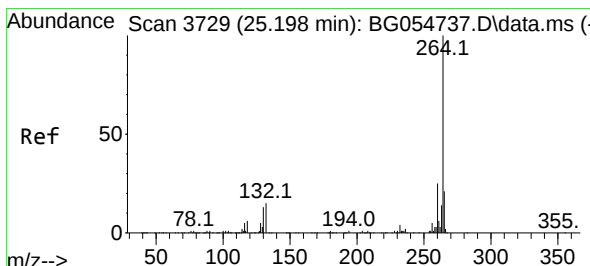
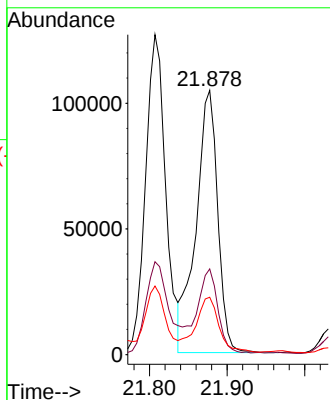
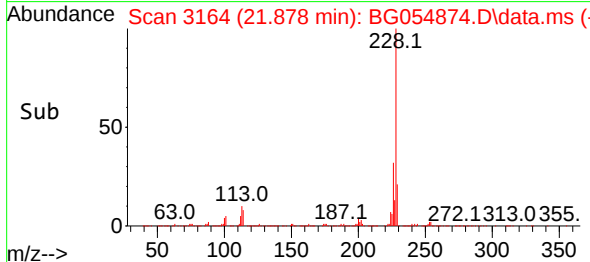
Instrument :
BNA_G
ClientSampleId :
CL-02-090222DL



Tgt Ion:228 Resp: 203243
Ion Ratio Lower Upper
228 100
226 32.4 25.5 38.3
229 21.7 16.8 25.2

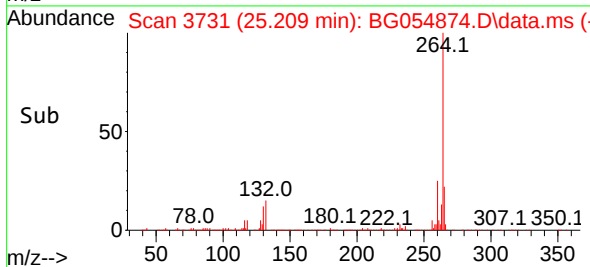
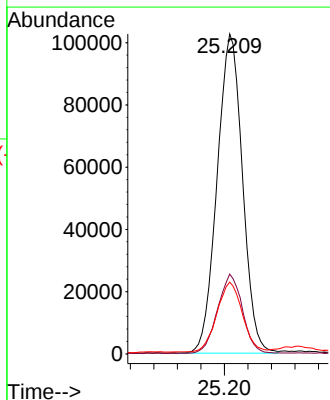
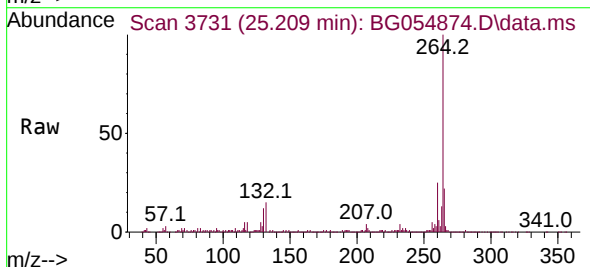
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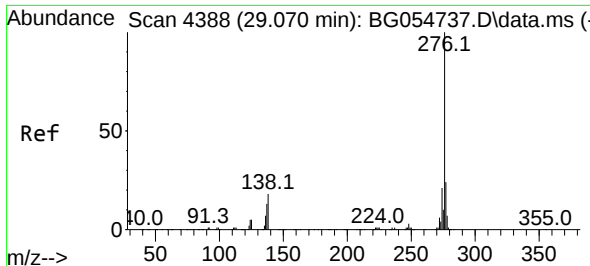
Reviewed By :Christian Giraldo 09/08/2022
Supervised By :Jagrut Upadhyay 09/08/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.209 min Scan# 3731
Delta R.T. 0.011 min
Lab File: BG054874.D
Acq: 7 Sep 2022 18:33

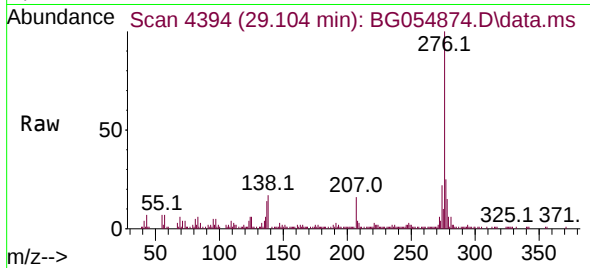
Tgt Ion:264 Resp: 307154
Ion Ratio Lower Upper
264 100
260 24.9 19.9 29.9
265 22.4 16.9 25.3





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.358 ng
 RT: 29.104 min Scan# 4388
 Delta R.T. 0.034 min
 Lab File: BG054874.D
 Acq: 7 Sep 2022 18:33

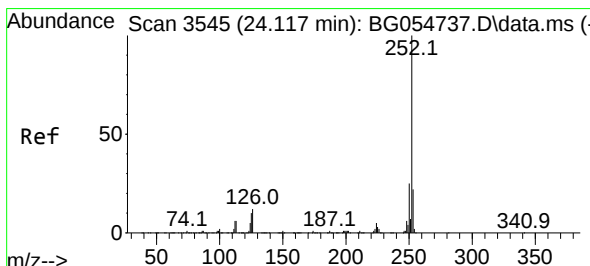
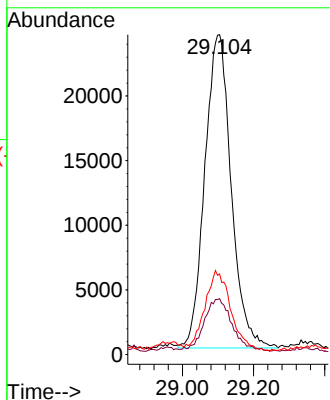
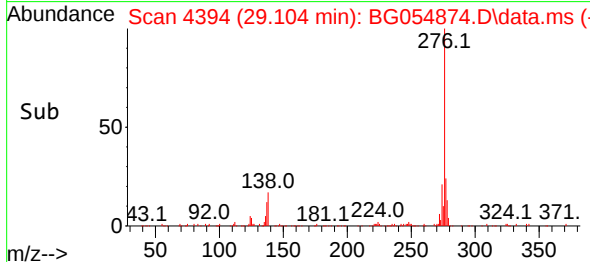
Instrument :
 BNA_G
 ClientSampleId :
 CL-02-090222DL



Tgt Ion:276 Resp: 124943
 Ion Ratio Lower Upper
 276 100
 138 17.6 12.0 18.0
 277 26.0 20.2 30.4

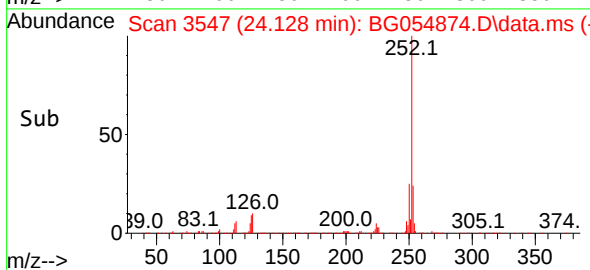
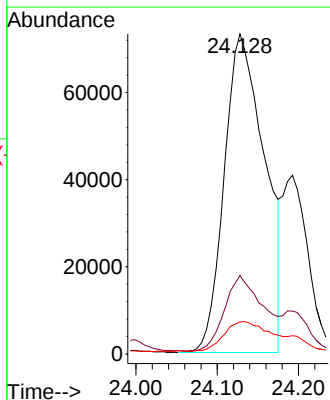
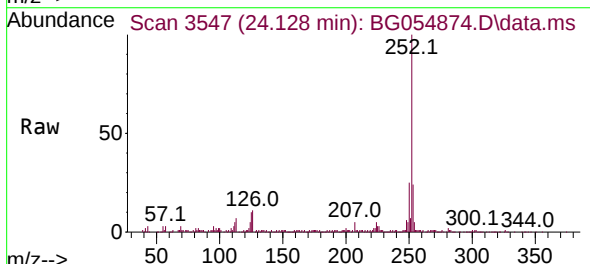
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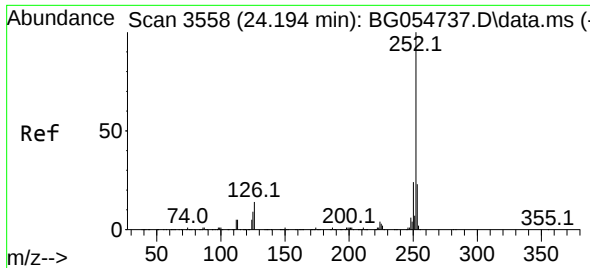
Reviewed By :Christian Giraldo 09/08/2022
 Supervised By :Jagrut Upadhyay 09/08/2022



#88
 Benzo(b)fluoranthene
 Concen: 13.116 ng
 RT: 24.128 min Scan# 3547
 Delta R.T. 0.011 min
 Lab File: BG054874.D
 Acq: 7 Sep 2022 18:33

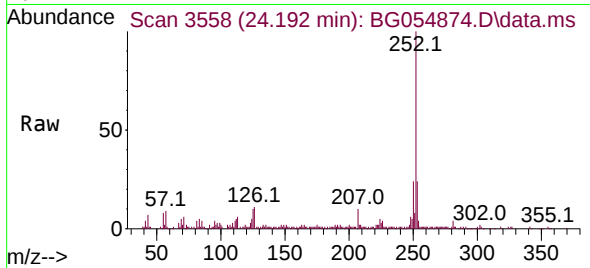
Tgt Ion:252 Resp: 252729
 Ion Ratio Lower Upper
 252 100
 253 24.5 18.0 27.0
 125 10.0 8.1 12.1





#89
Benzo(k)fluoranthene
Concen: 4.645 ng m
RT: 24.192 min Scan# 3558
Delta R.T. -0.001 min
Lab File: BG054874.D
Acq: 7 Sep 2022 18:33

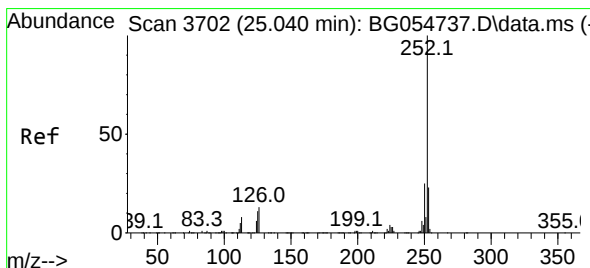
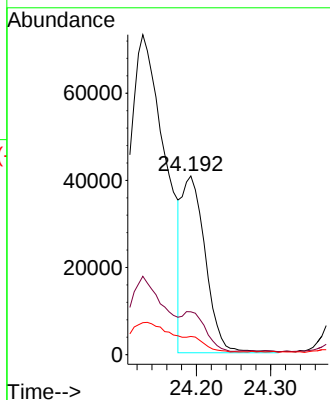
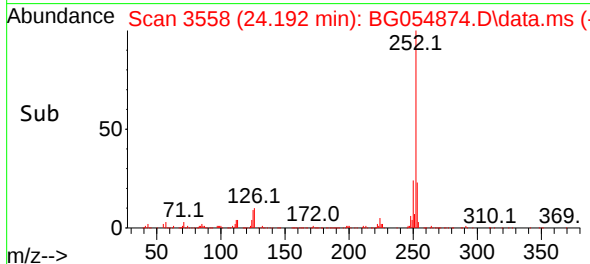
Instrument :
BNA_G
ClientSampleId :
CL-02-090222DL



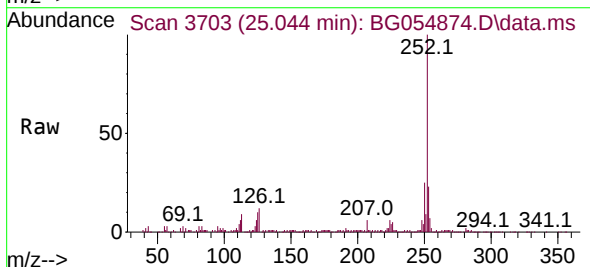
Tgt Ion:252 Resp: 90078
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.8
125 10.2 8.2 12.4

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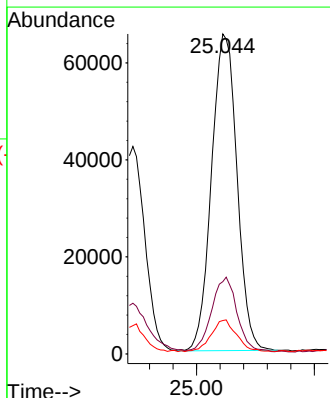
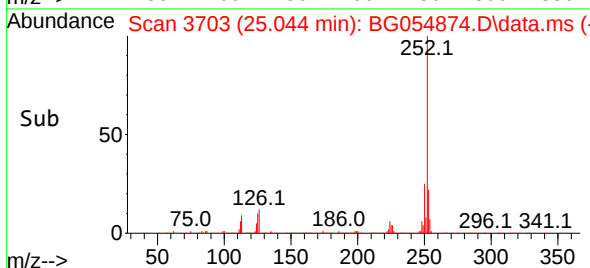
Reviewed By :Christian Giraldo 09/08/2022
Supervised By :Jagrut Upadhyay 09/08/2022

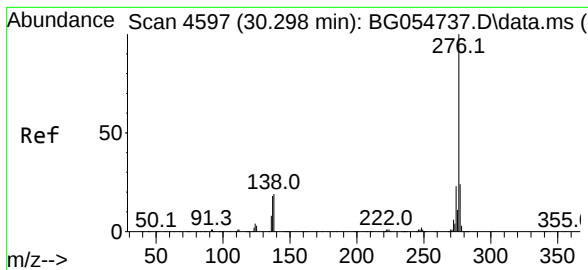


#90
Benzo(a)pyrene
Concen: 11.924 ng
RT: 25.044 min Scan# 3703
Delta R.T. 0.005 min
Lab File: BG054874.D
Acq: 7 Sep 2022 18:33



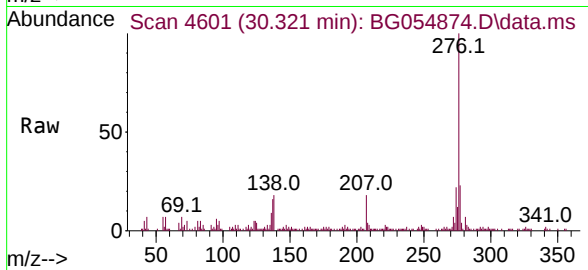
Tgt Ion:252 Resp: 196298
Ion Ratio Lower Upper
252 100
253 22.6 18.3 27.5
125 10.4 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 6.303 ng
 RT: 30.321 min Scan# 4601
 Delta R.T. 0.022 min
 Lab File: BG054874.D
 Acq: 7 Sep 2022 18:33

Instrument :
 BNA_G
 ClientSampleId :
 CL-02-090222DL



Tgt Ion: 276 Resp: 120956
 Ion Ratio Lower Upper
 276 100
 277 23.4 19.4 29.0
 138 18.1 16.6 25.0

Manual Integrations
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Reviewed By : Christian Giraldo 09/08/2022
 Supervised By : Jagrut Upadhyay 09/08/2022

