

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
 Data File : BG054552.D
 Acq On : 8 Aug 2022 14:02
 Operator : CG/JU
 Sample : N4023-04DL 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP2-1-6DL

Quant Time: Aug 08 14:52:51 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 14:48:51 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.976	152	22442	20.000	ng	0.00
21) Naphthalene-d8	10.784	136	86973	20.000	ng	# 0.00
39) Acenaphthene-d10	14.615	164	66648	20.000	ng	0.00
64) Phenanthrene-d10	17.365	188	162696	20.000	ng	# 0.00
76) Chrysene-d12	21.636	240	179249	20.000	ng	# 0.00
86) Perylene-d12	24.844	264	190359	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.567	112	54931	51.105	ng	0.00
7) Phenol-d6	7.177	99	73294	49.764	ng	0.00
23) Nitrobenzene-d5	9.139	82	49750	31.150	ng	0.00
42) 2,4,6-Tribromophenol	16.113	330	65977	47.148	ng	0.00
45) 2-Fluorobiphenyl	13.234	172	152808	32.344	ng	0.00
79) Terphenyl-d14	19.974	244	298521	33.038	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.406	178	169881	20.967	ng	98
72) Anthracene	17.500	178	35483	4.463	ng	97
73) Carbazole	17.770	167	20622	3.150	ng	97
75) Fluoranthene	19.421	202	318161	28.807	ng	95
78) Pyrene	19.785	202	282291	27.446	ng	97
81) Benzo(a)anthracene	21.613	228	170459	14.981	ng	98
83) Chrysene	21.677	228	163148	15.176	ng	95
87) Indeno(1,2,3-cd)pyrene	28.522	276	111444	7.696	ng	# 96
88) Benzo(b)fluoranthene	23.828	252	220122	19.553	ng	98
89) Benzo(k)fluoranthene	23.887	252	75639m	6.751	ng	
90) Benzo(a)pyrene	24.692	252	156567	16.285	ng	98
91) Dibenzo(a,h)anthracene	28.540	278	28603	2.402	ng	98
92) Benzo(g,h,i)perylene	29.680	276	105011	8.935	ng	# 94

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

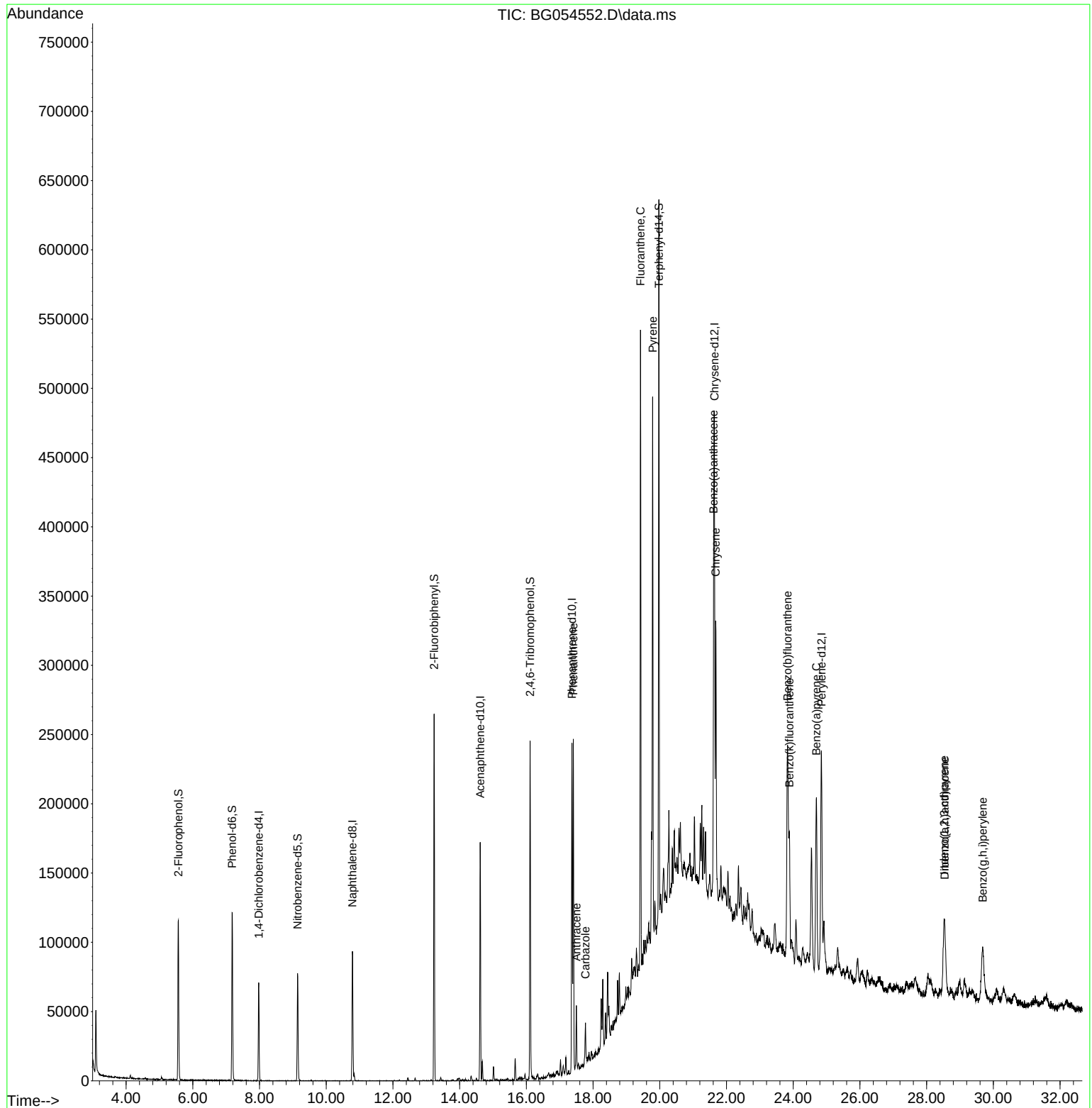
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
Data File : BG054552.D
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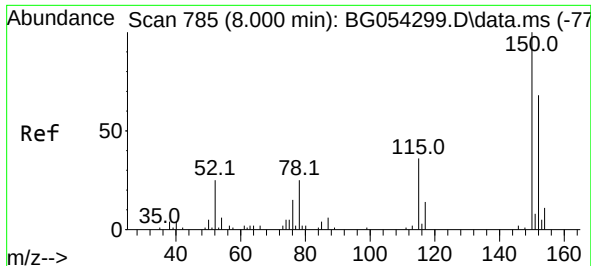
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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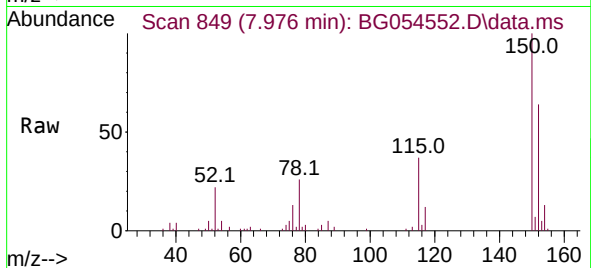
Reviewed By : Christian Giraldo 08/09/2022
Supervised By : Jagrut Upadhyay 08/09/2022





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.976 min Scan# 84
 Delta R.T. 0.004 min
 Lab File: BG054552.D
 Acq: 8 Aug 2022 14:02

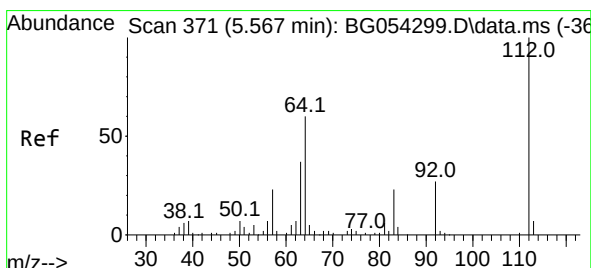
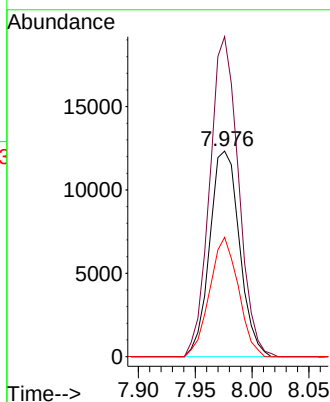
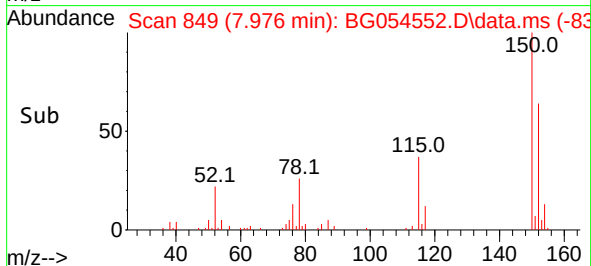
Instrument :
 BNA_G
 ClientSampleId :
 TP2-1-6DL



Tgt Ion:152 Resp: 22442
 Ion Ratio Lower Upper
 152 100
 150 155.7 131.6 197.4
 115 58.0 50.9 76.3

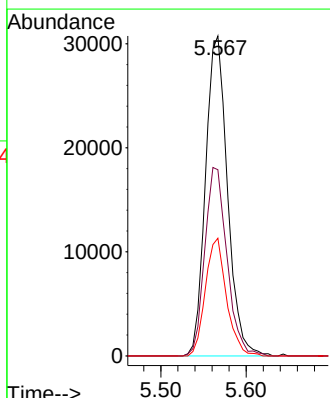
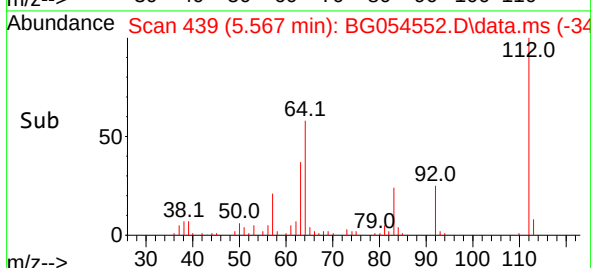
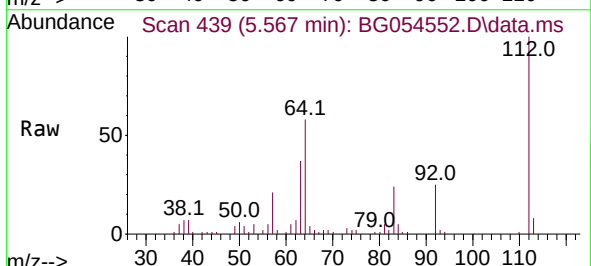
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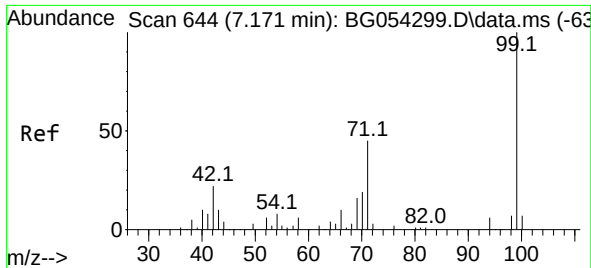
Reviewed By :Christian Giraldo 08/09/2022
 Supervised By :Jagrut Upadhyay 08/09/2022



#5
 2-Fluorophenol
 Concen: 51.105 ng
 RT: 5.567 min Scan# 439
 Delta R.T. 0.004 min
 Lab File: BG054552.D
 Acq: 8 Aug 2022 14:02

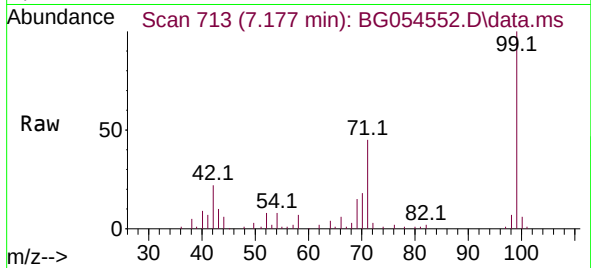
Tgt Ion:112 Resp: 54931
 Ion Ratio Lower Upper
 112 100
 64 58.2 55.1 82.7
 63 36.8 30.4 45.6





#7
Phenol-d6
Concen: 49.764 ng
RT: 7.177 min Scan# 71
Delta R.T. -0.002 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02

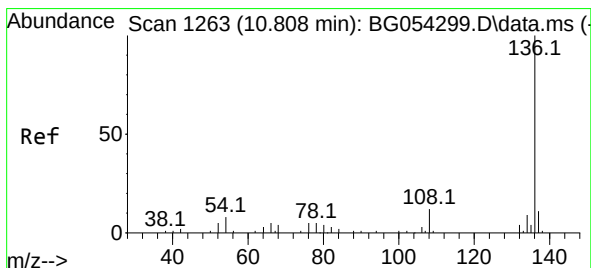
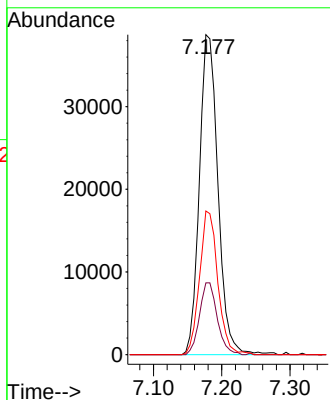
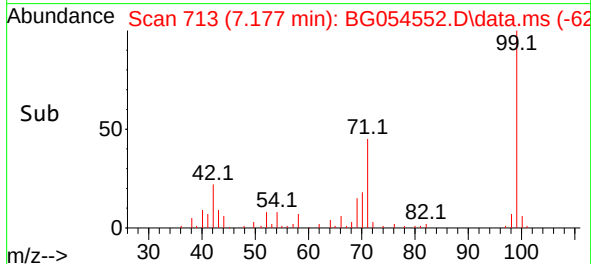
Instrument :
BNA_G
ClientSampleId :
TP2-1-6DL



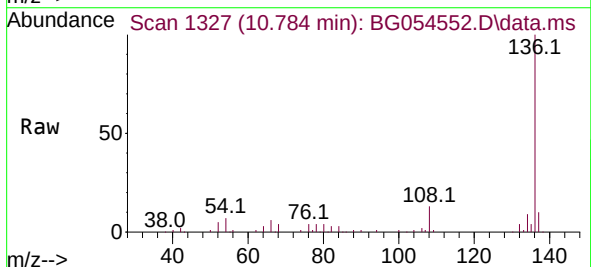
Tgt Ion: 99 Resp: 73294
Ion Ratio Lower Upper
99 100
42 22.4 17.0 25.6
71 44.9 33.8 50.8

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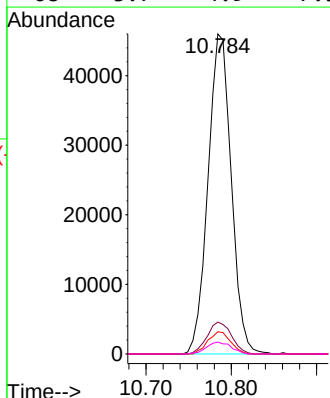
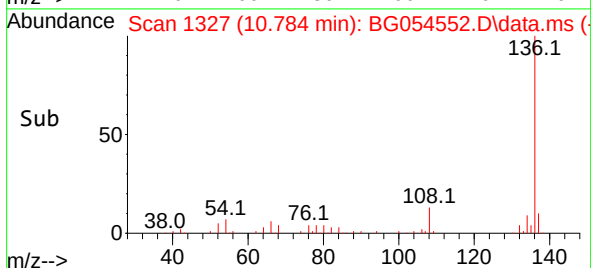
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

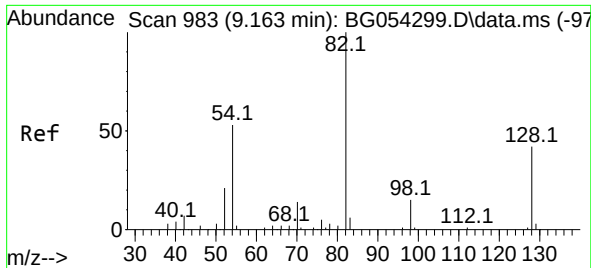


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.784 min Scan# 1327
Delta R.T. -0.002 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02



Tgt Ion:136 Resp: 86973
Ion Ratio Lower Upper
136 100
137 9.9 8.5 12.7
54 6.9 7.4 11.2#
68 3.7 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 31.150 ng
RT: 9.139 min Scan# 1047
Delta R.T. -0.002 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02

Instrument :

BNA_G

ClientSampleId :

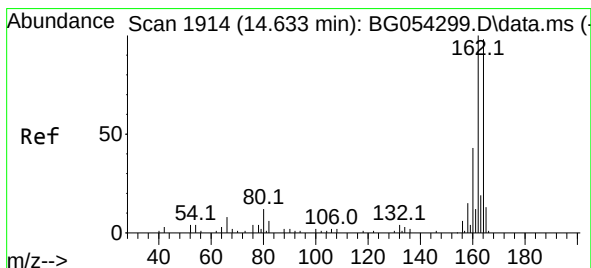
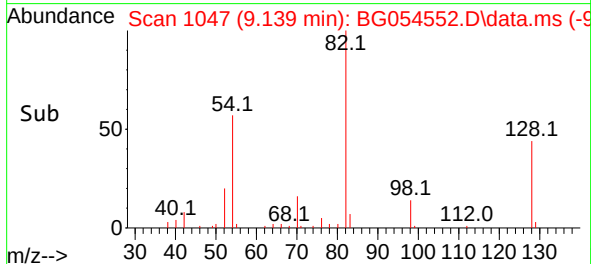
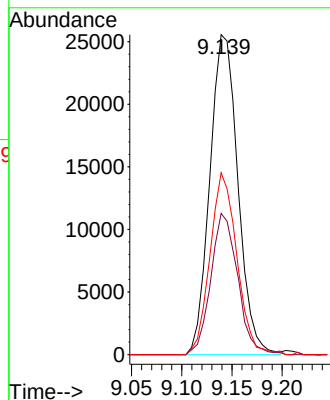
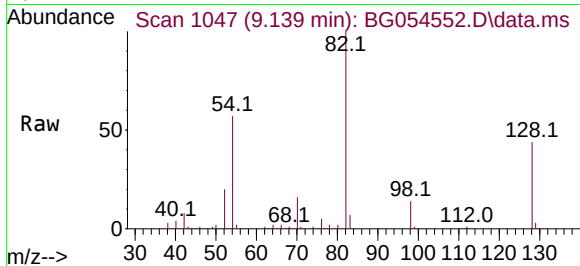
TP2-1-6DL

Tgt Ion: 82 Resp: 49750
Ion Ratio Lower Upper
82 100
128 44.1 27.9 41.9
54 56.8 41.2 61.8

Manual Integrations

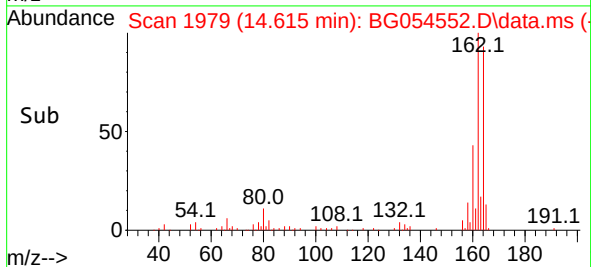
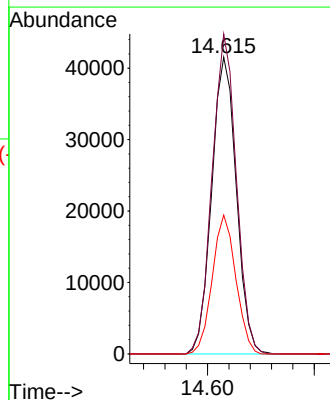
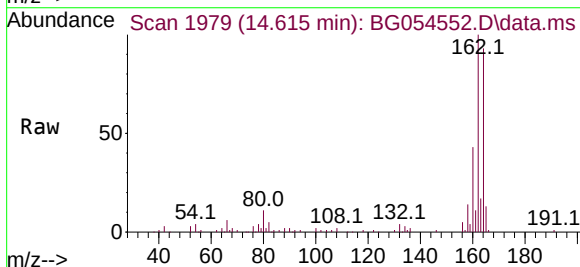
APPROVED

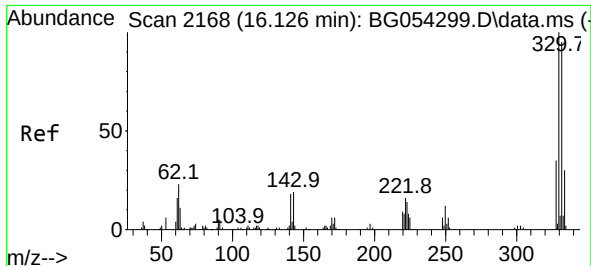
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.615 min Scan# 1979
Delta R.T. -0.002 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02

Tgt Ion:164 Resp: 66648
Ion Ratio Lower Upper
164 100
162 107.9 82.3 123.5
160 46.8 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 47.148 ng
RT: 16.113 min Scan# 2168
Delta R.T. -0.002 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02

Instrument :

BNA_G

ClientSampleId :

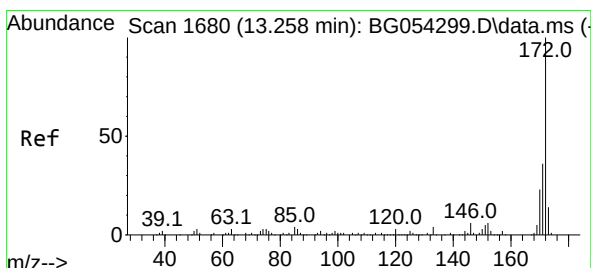
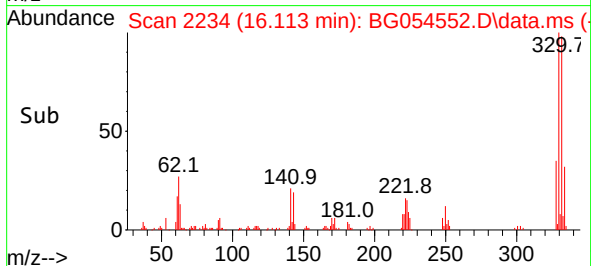
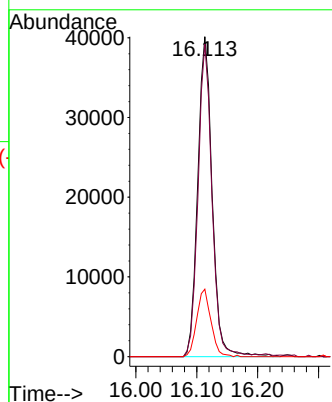
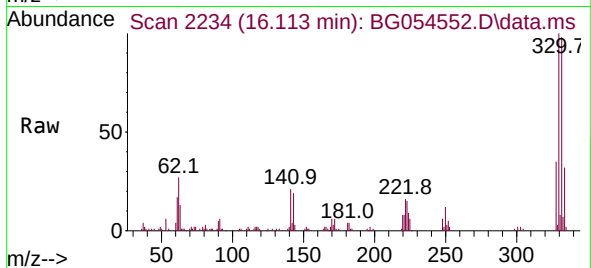
TP2-1-6DL

Tgt Ion:330 Resp: 65972
Ion Ratio Lower Upper
330 100
332 94.3 76.0 114.0
141 20.7 27.1 40.7

Manual Integrations

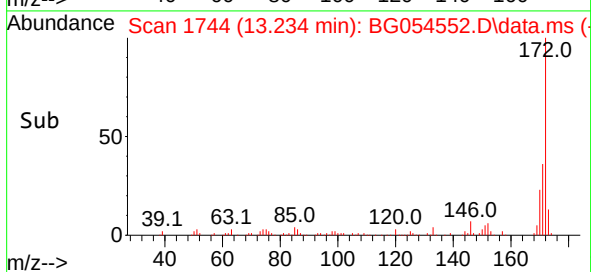
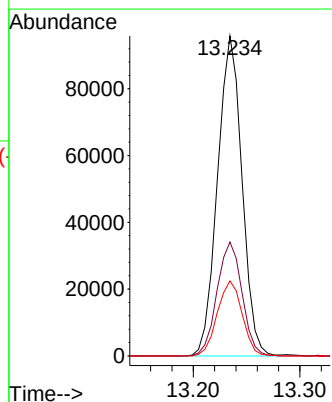
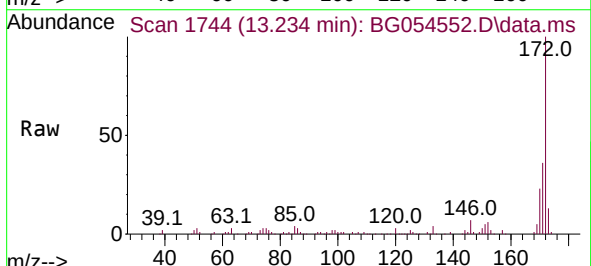
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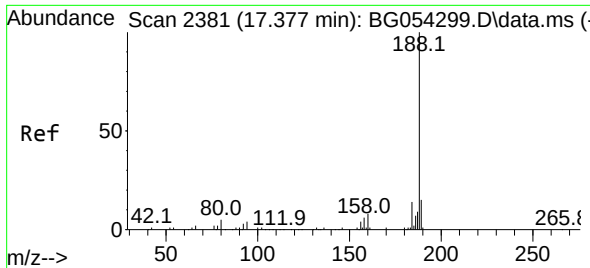
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#45
2-Fluorobiphenyl
Concen: 32.344 ng
RT: 13.234 min Scan# 1744
Delta R.T. -0.002 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02

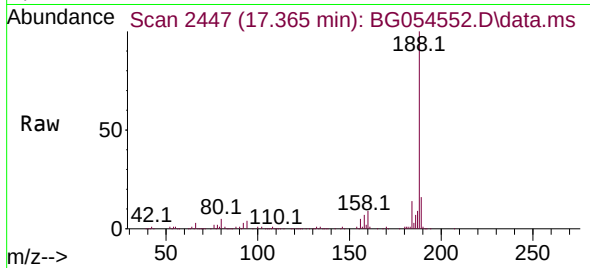
Tgt Ion:172 Resp: 152808
Ion Ratio Lower Upper
172 100
171 35.6 28.5 42.7
170 23.4 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.365 min Scan# 2447
Delta R.T. 0.004 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02

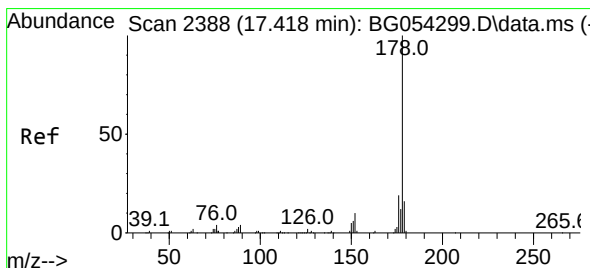
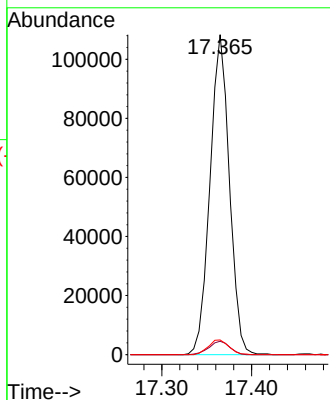
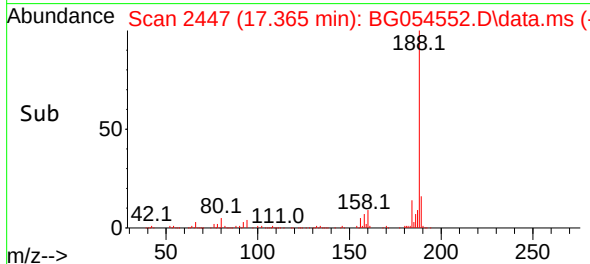
Instrument :
BNA_G
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TP2-1-6DL



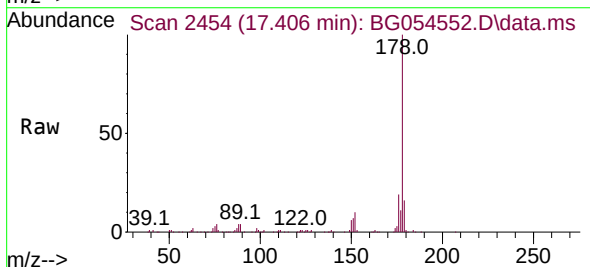
Tgt Ion:188 Resp: 162696
Ion Ratio Lower Upper
188 100
94 4.2 5.4 8.0
80 4.6 6.8 10.2

Manual Integrations
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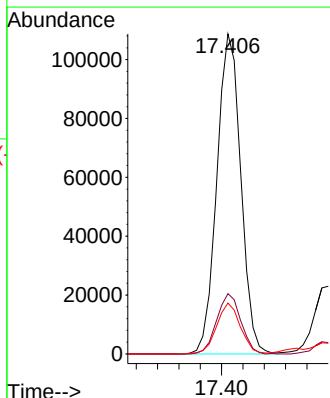
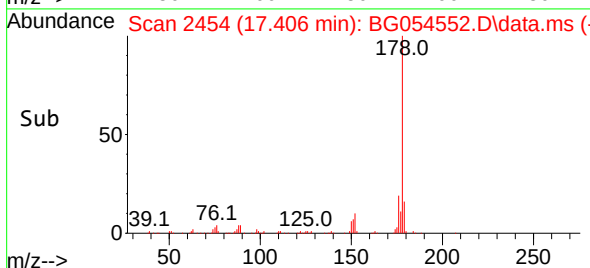
Reviewed By :Christian Giraldo 08/09/2022
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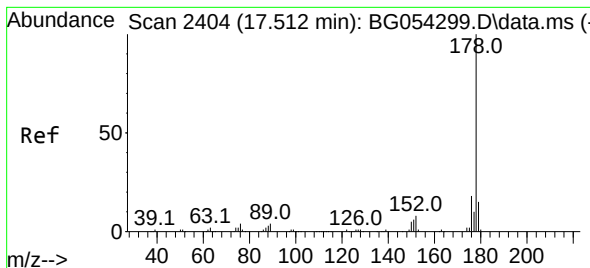


#71
Phenanthrene
Concen: 20.967 ng
RT: 17.406 min Scan# 2454
Delta R.T. -0.002 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02



Tgt Ion:178 Resp: 169881
Ion Ratio Lower Upper
178 100
176 18.8 14.1 21.1
179 15.9 12.1 18.1





#72

Anthracene

Concen: 4.463 ng

RT: 17.500 min Scan# 24

Delta R.T. 0.003 min

Lab File: BG054552.D

Acq: 8 Aug 2022 14:02

Instrument :

BNA_G

ClientSampleId :

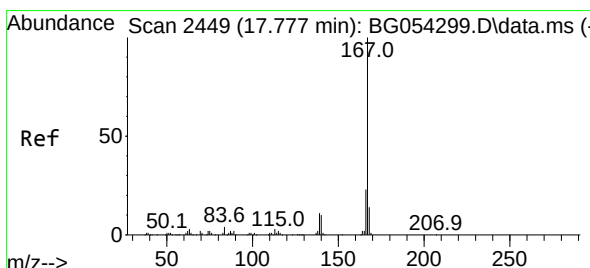
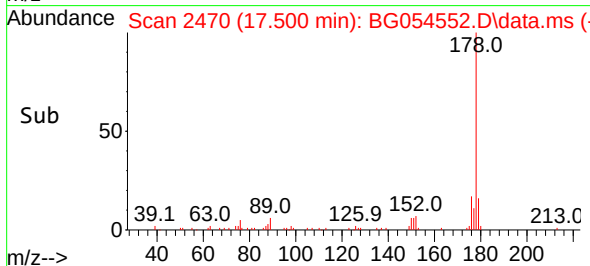
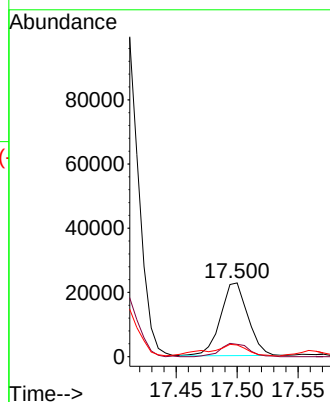
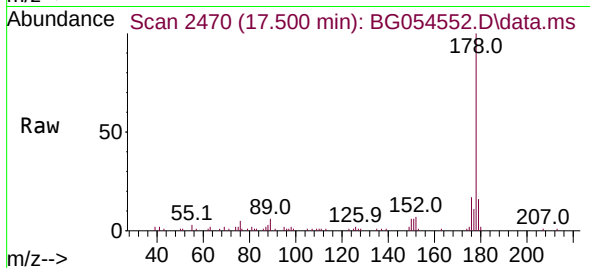
TP2-1-6DL

Tgt Ion:178 Resp: 35483
 Ion Ratio Lower Upper
 178 100
 176 16.6 15.2 22.8
 179 15.8 13.0 19.4

Manual Integrations

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#73

Carbazole

Concen: 3.150 ng

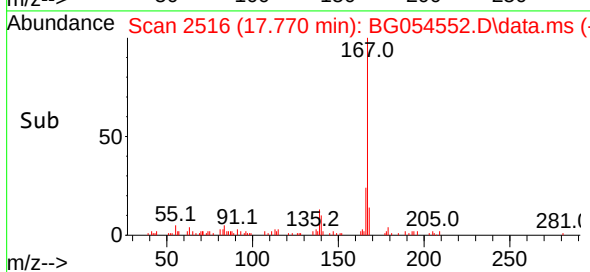
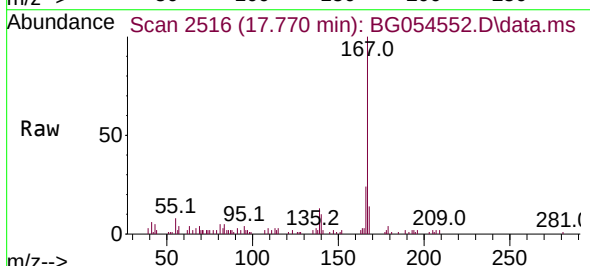
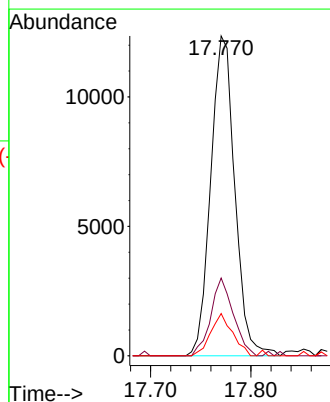
RT: 17.770 min Scan# 2516

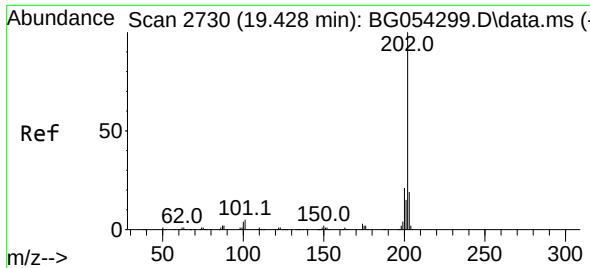
Delta R.T. -0.002 min

Lab File: BG054552.D

Acq: 8 Aug 2022 14:02

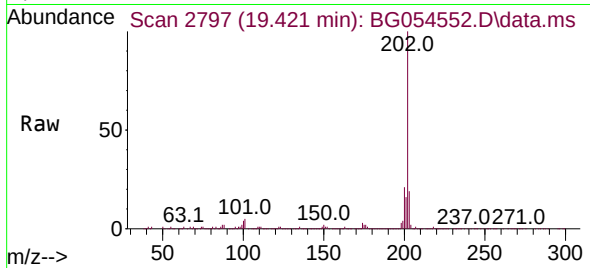
Tgt Ion:167 Resp: 20622
 Ion Ratio Lower Upper
 167 100
 166 24.3 18.2 27.2
 139 13.2 10.1 15.1





#75
Fluoranthene
Concen: 28.807 ng
RT: 19.421 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02

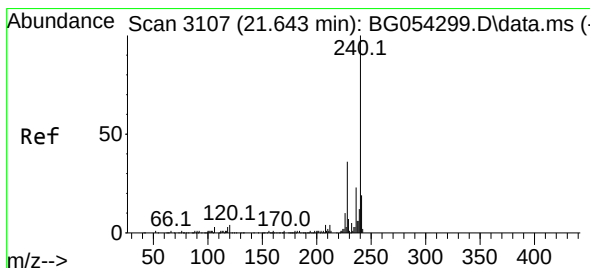
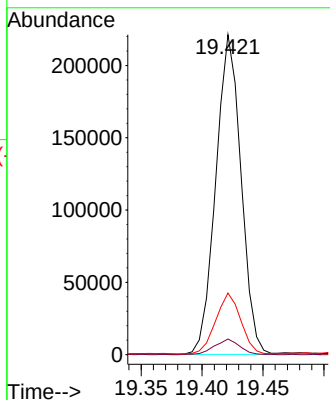
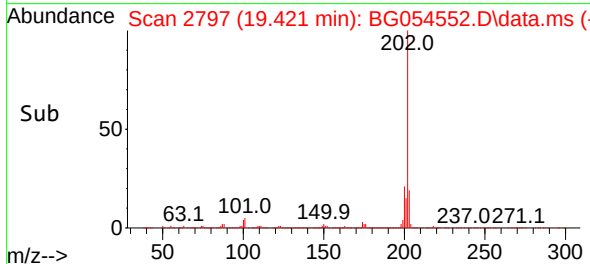
Instrument :
BNA_G
ClientSampleId :
TP2-1-6DL



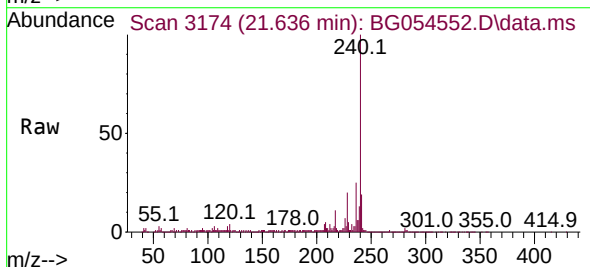
Tgt Ion:202 Resp: 31816
Ion Ratio Lower Upper
202 100
101 4.9 0.0 26.9
203 19.2 0.0 37.2

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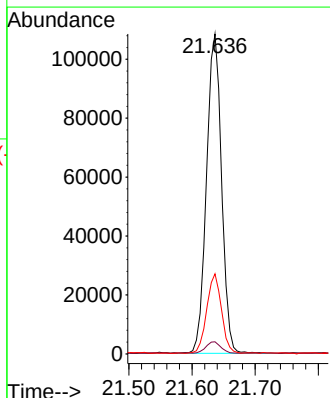
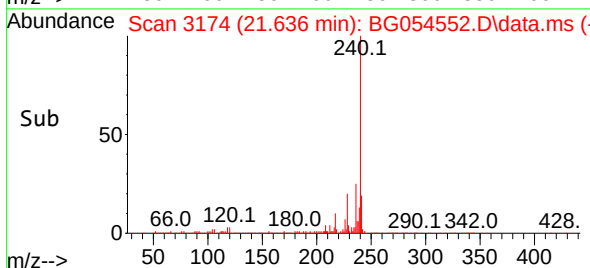
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

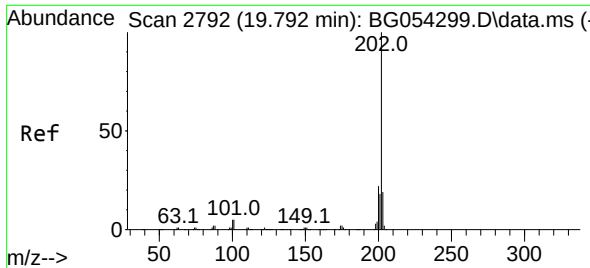


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3174
Delta R.T. 0.004 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02



Tgt Ion:240 Resp: 179249
Ion Ratio Lower Upper
240 100
120 3.8 4.6 7.0#
236 25.0 20.2 30.4





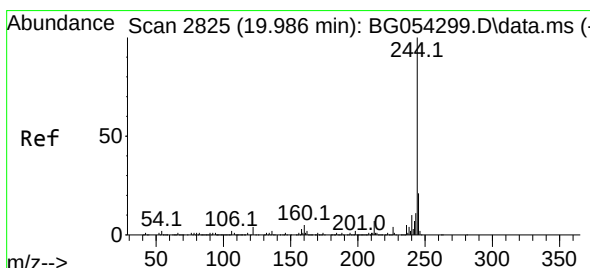
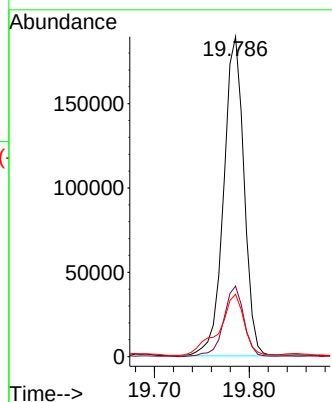
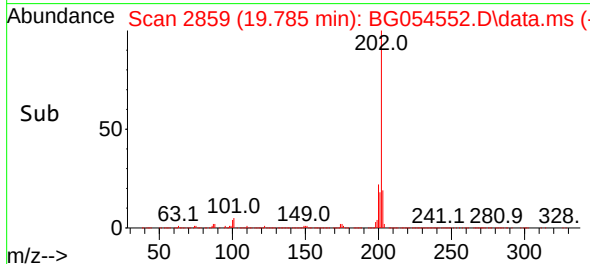
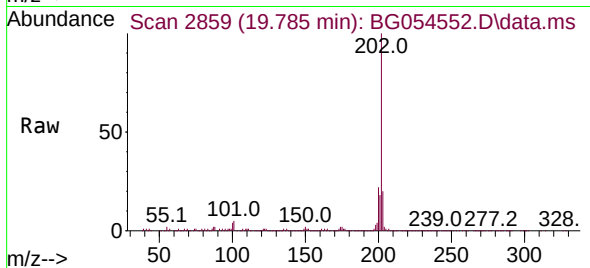
#78
Pyrene
Concen: 27.446 ng
RT: 19.785 min Scan# 2829
Delta R.T. 0.003 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02

Instrument :
BNA_G
ClientSampleId :
TP2-1-6DL

Tgt Ion:202 Resp: 282291
Ion Ratio Lower Upper
202 100
200 22.0 16.6 24.8
203 19.5 14.6 21.8

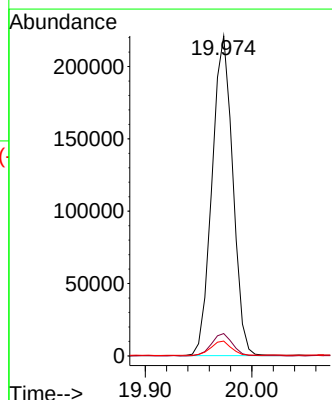
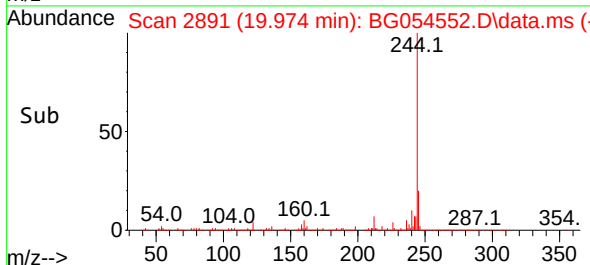
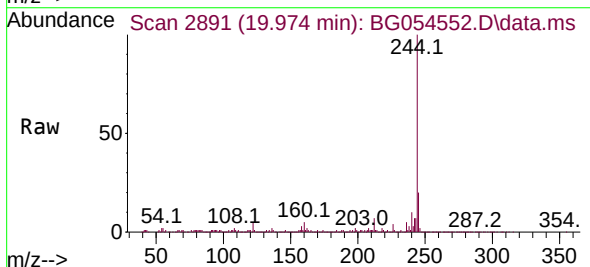
Manual Integrations
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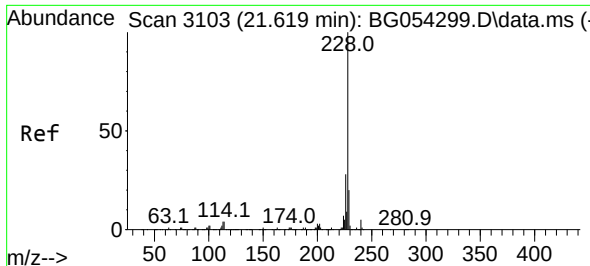
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#79
Terphenyl-d14
Concen: 33.038 ng
RT: 19.974 min Scan# 2891
Delta R.T. 0.003 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02

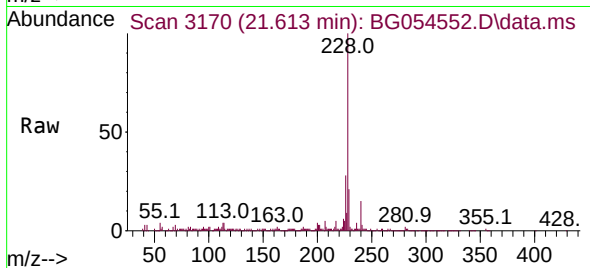
Tgt Ion:244 Resp: 298521
Ion Ratio Lower Upper
244 100
212 7.0 6.5 9.7
122 4.6 5.0 7.4





#81
Benzo(a)anthracene
Concen: 14.981 ng
RT: 21.613 min Scan# 3103
Delta R.T. -0.002 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02

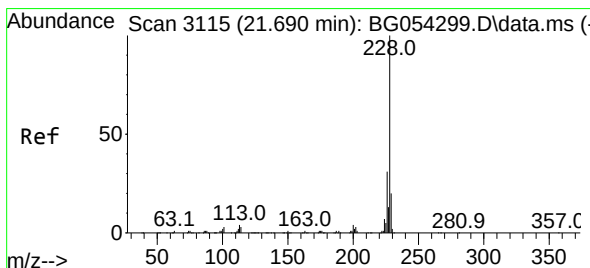
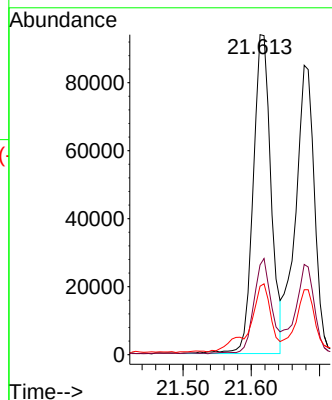
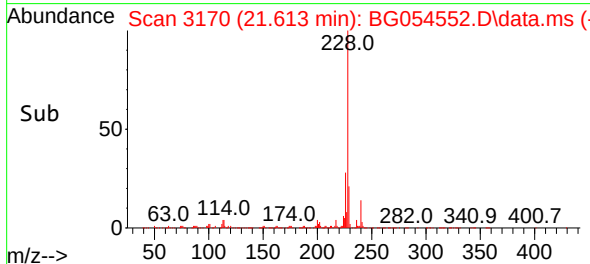
Instrument :
BNA_G
ClientSampleId :
TP2-1-6DL



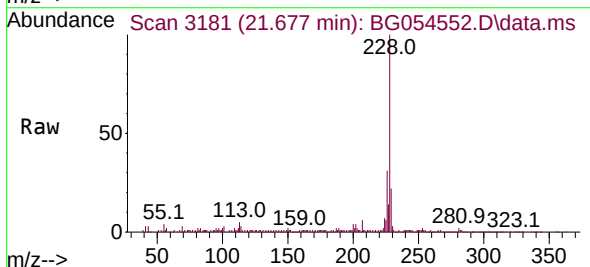
Tgt Ion:228 Resp: 170459
Ion Ratio Lower Upper
228 100
226 28.0 21.6 32.4
229 21.4 16.2 24.2

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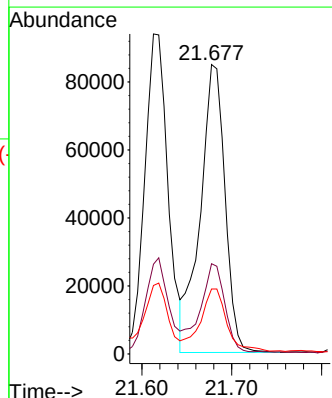
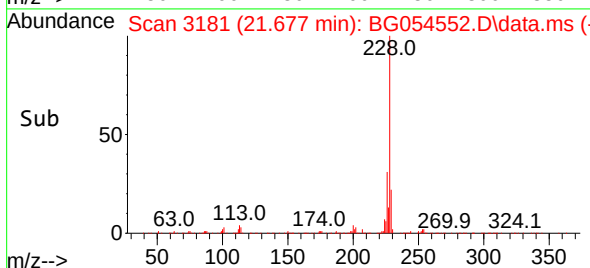
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

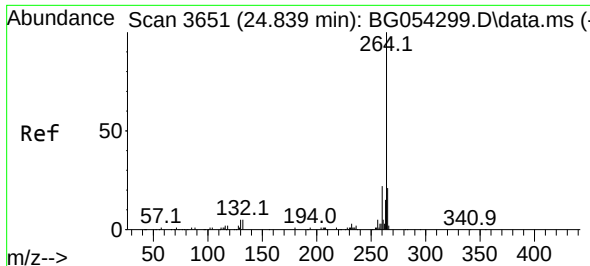


#83
Chrysene
Concen: 15.176 ng
RT: 21.677 min Scan# 3181
Delta R.T. -0.002 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02



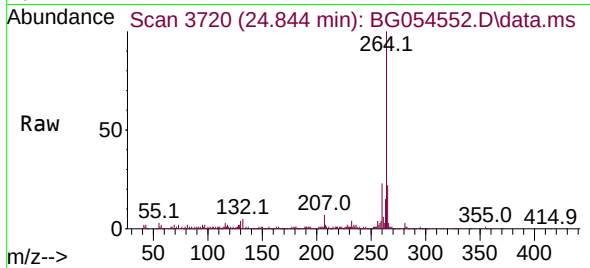
Tgt Ion:228 Resp: 163148
Ion Ratio Lower Upper
228 100
226 31.1 23.4 35.2
229 22.4 15.5 23.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.844 min Scan# 31
Delta R.T. 0.009 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02

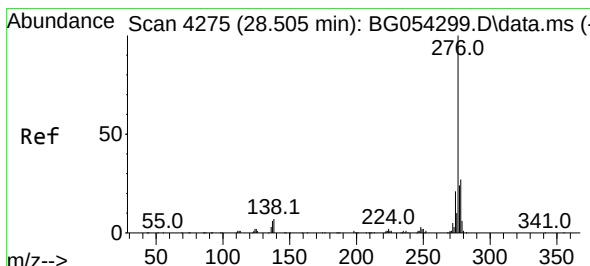
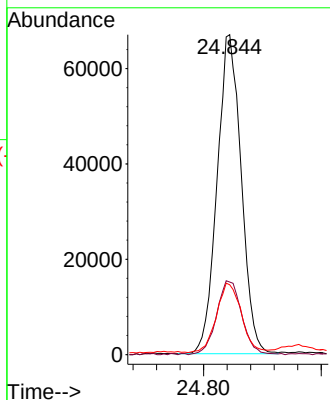
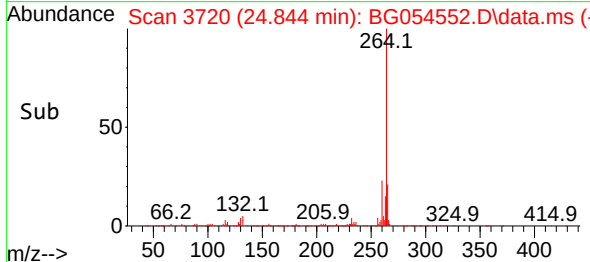
Instrument :
BNA_G
ClientSampleId :
TP2-1-6DL



Tgt Ion:264 Resp: 190359
Ion Ratio Lower Upper
264 100
260 22.7 19.0 28.6
265 21.8 17.4 26.2

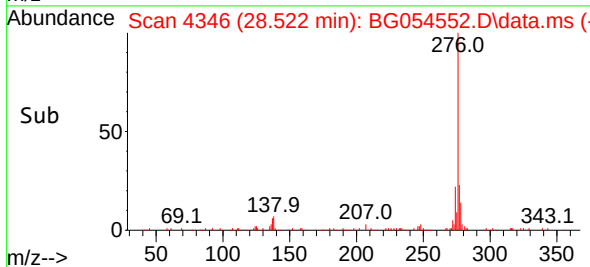
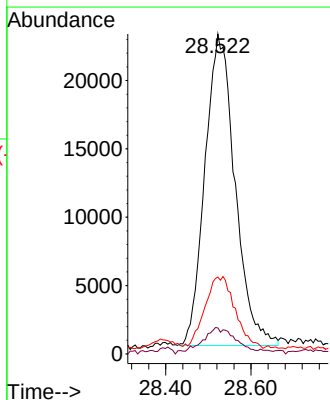
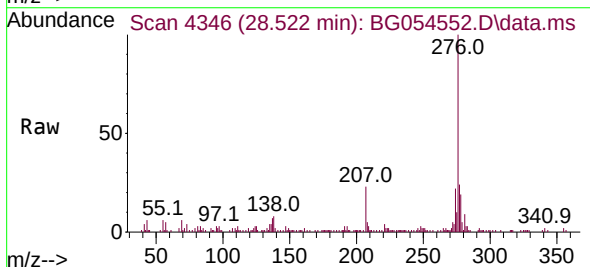
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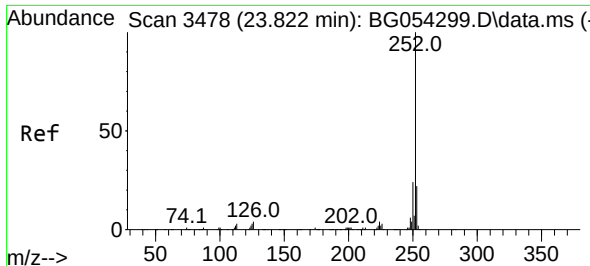
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.696 ng
RT: 28.522 min Scan# 4346
Delta R.T. -0.008 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02

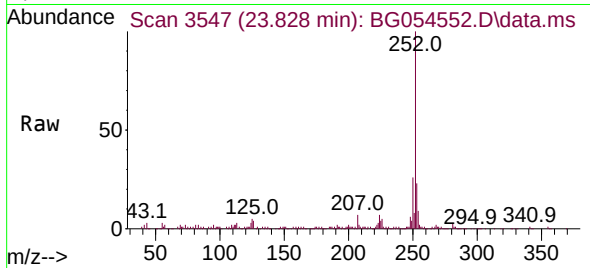
Tgt Ion:276 Resp: 111444
Ion Ratio Lower Upper
276 100
138 7.6 5.0 7.4#
277 23.3 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 19.553 ng
RT: 23.828 min Scan# 3478
Delta R.T. 0.009 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02

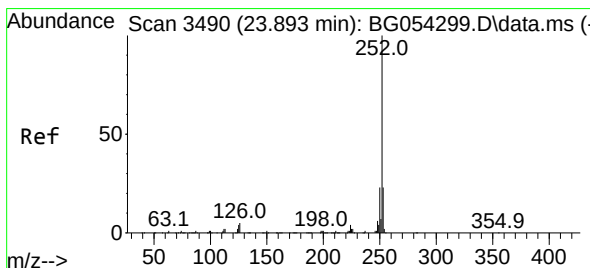
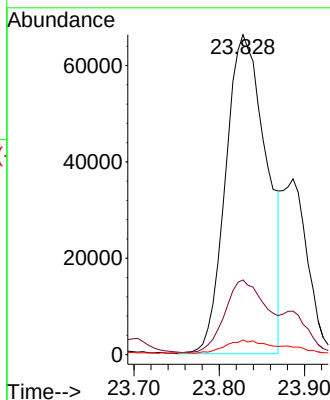
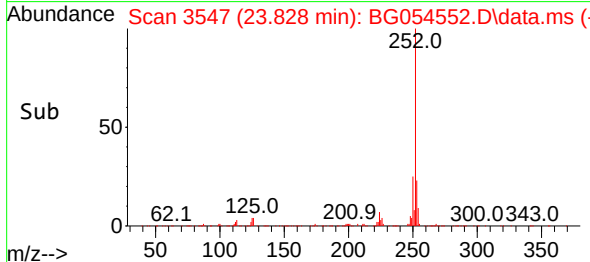
Instrument :
BNA_G
ClientSampleId :
TP2-1-6DL



Tgt Ion:252 Resp: 22012
Ion Ratio Lower Upper
252 100
253 23.3 18.0 27.0
125 4.6 4.6 6.8

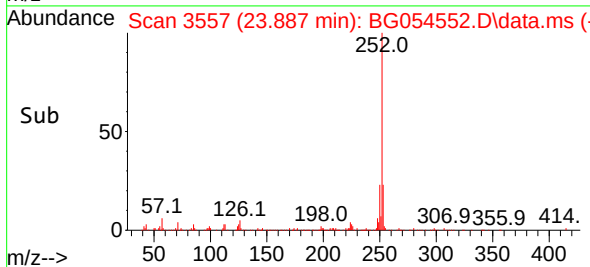
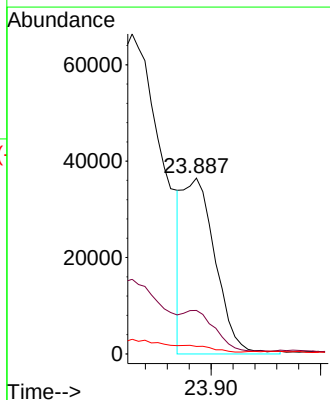
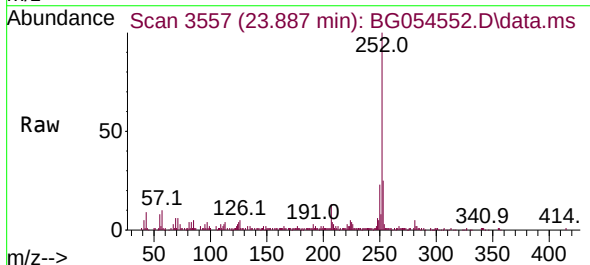
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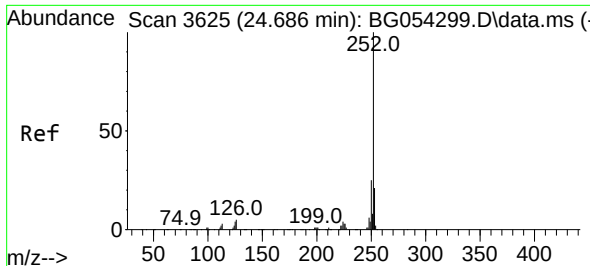
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#89
Benzo(k)fluoranthene
Concen: 6.751 ng m
RT: 23.887 min Scan# 3557
Delta R.T. 0.004 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02

Tgt Ion:252 Resp: 75639
Ion Ratio Lower Upper
252 100
253 24.8 18.4 27.6
125 4.2 4.8 7.2#





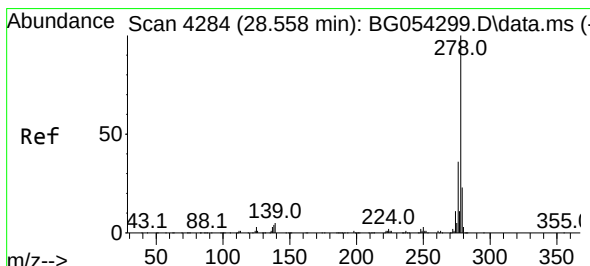
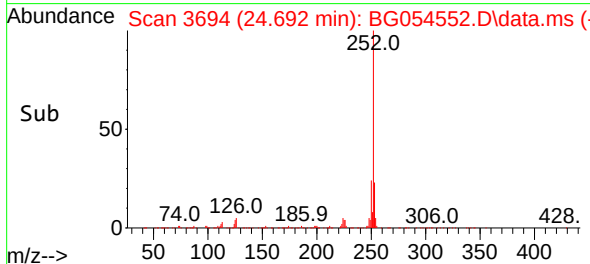
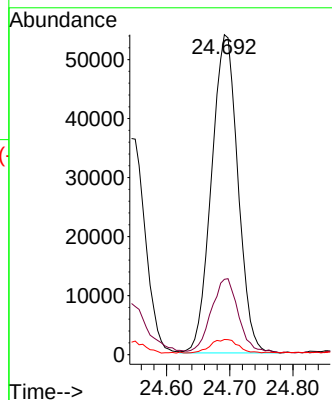
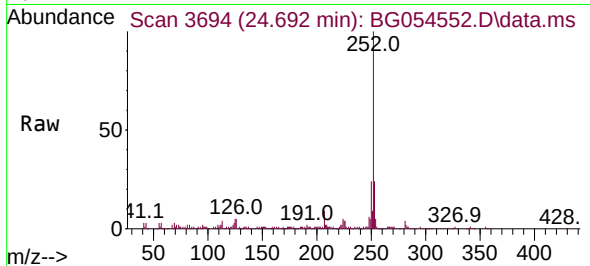
#90
Benzo(a)pyrene
Concen: 16.285 ng
RT: 24.692 min Scan# 3625
Delta R.T. 0.003 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02

Instrument :
BNA_G
ClientSampleId :
TP2-1-6DL

Tgt Ion:252 Resp: 156562
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 4.7 4.3 6.5

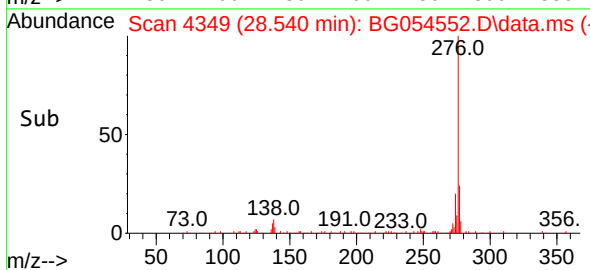
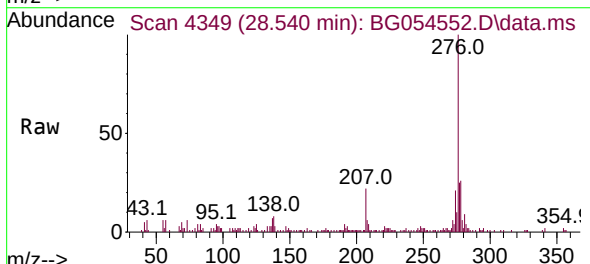
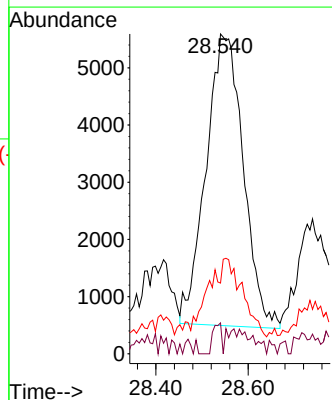
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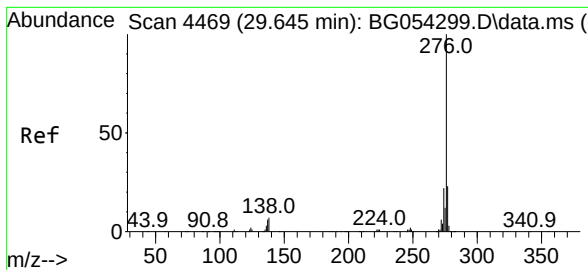
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#91
Dibenzo(a,h)anthracene
Concen: 2.402 ng
RT: 28.540 min Scan# 4349
Delta R.T. -0.032 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02

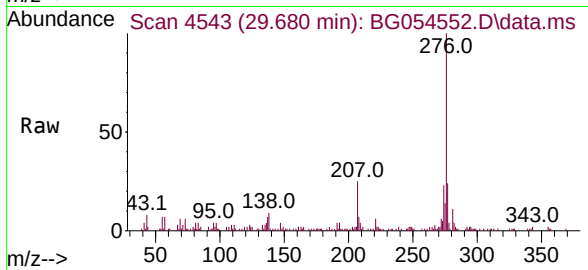
Tgt Ion:278 Resp: 28603
Ion Ratio Lower Upper
278 100
139 9.7 7.2 10.8
279 22.1 18.6 27.8





#92
 Benzo(g,h,i)perylene
 Concen: 8.935 ng
 RT: 29.680 min Scan# 4543
 Delta R.T. 0.004 min
 Lab File: BG054552.D
 Acq: 8 Aug 2022 14:02

Instrument :
 BNA_G
 ClientSampleId :
 TP2-1-6DL



Tgt Ion:276 Resp: 105011
 Ion Ratio Lower Upper
 276 100
 277 24.1 17.3 25.9
 138 8.7 9.6 14.4

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

