

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091222\
 Data File : BG054916.D
 Acq On : 12 Sep 2022 21:43
 Operator : CG/JU
 Sample : N4550-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D-CRTE-SLAB-1

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/13/2022
 Supervised By : Jagrut Upadhyay 09/13/2022

Quant Time: Sep 13 03:09:34 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 10 01:53:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.141	152	46633	20.000	ng	0.00
21) Naphthalene-d8	10.967	136	180767	20.000	ng	0.00
39) Acenaphthene-d10	14.780	164	109959	20.000	ng	0.00
64) Phenanthrene-d10	17.541	188	202952	20.000	ng	# 0.01
76) Chrysene-d12	21.848	240	198539	20.000	ng	# 0.02
86) Perylene-d12	25.232	264	231196	20.000	ng	# 0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.685	112	226683	84.648	ng	0.00
7) Phenol-d6	7.295	99	315093	86.036	ng	0.00
23) Nitrobenzene-d5	9.316	82	197281	57.292	ng	0.00
42) 2,4,6-Tribromophenol	16.278	330	94209	68.565	ng	0.00
45) 2-Fluorobiphenyl	13.399	172	489883	66.961	ng	0.00
79) Terphenyl-d14	20.150	244	591842	59.065	ng	0.02
Target Compounds						Qvalue
52) Acenaphthene	14.845	154	30193	4.593	ng	# 87
58) Fluorene	15.832	166	40647	4.995	ng	# 81
71) Phenanthrene	17.583	178	377393	34.907	ng	# 89
72) Anthracene	17.671	178	164830	15.681	ng	# 83
75) Fluoranthene	19.604	202	132024m	10.038	ng	
78) Pyrene	19.968	202	469950	33.946	ng	# 83
81) Benzo(a)anthracene	21.830	228	272446	20.239	ng	# 79
83) Chrysene	21.901	228	318158m	24.719	ng	
87) Indeno(1,2,3-cd)pyrene	29.140	276	73989	4.216	ng	# 89
88) Benzo(b)fluoranthene	24.145	252	101896	7.026	ng	# 64
90) Benzo(a)pyrene	25.074	252	160131	12.923	ng	# 84
91) Dibenzo(a,h)anthracene	29.169	278	77508	5.420	ng	# 71
92) Benzo(g,h,i)perylene	30.373	276	138168	9.565	ng	96

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

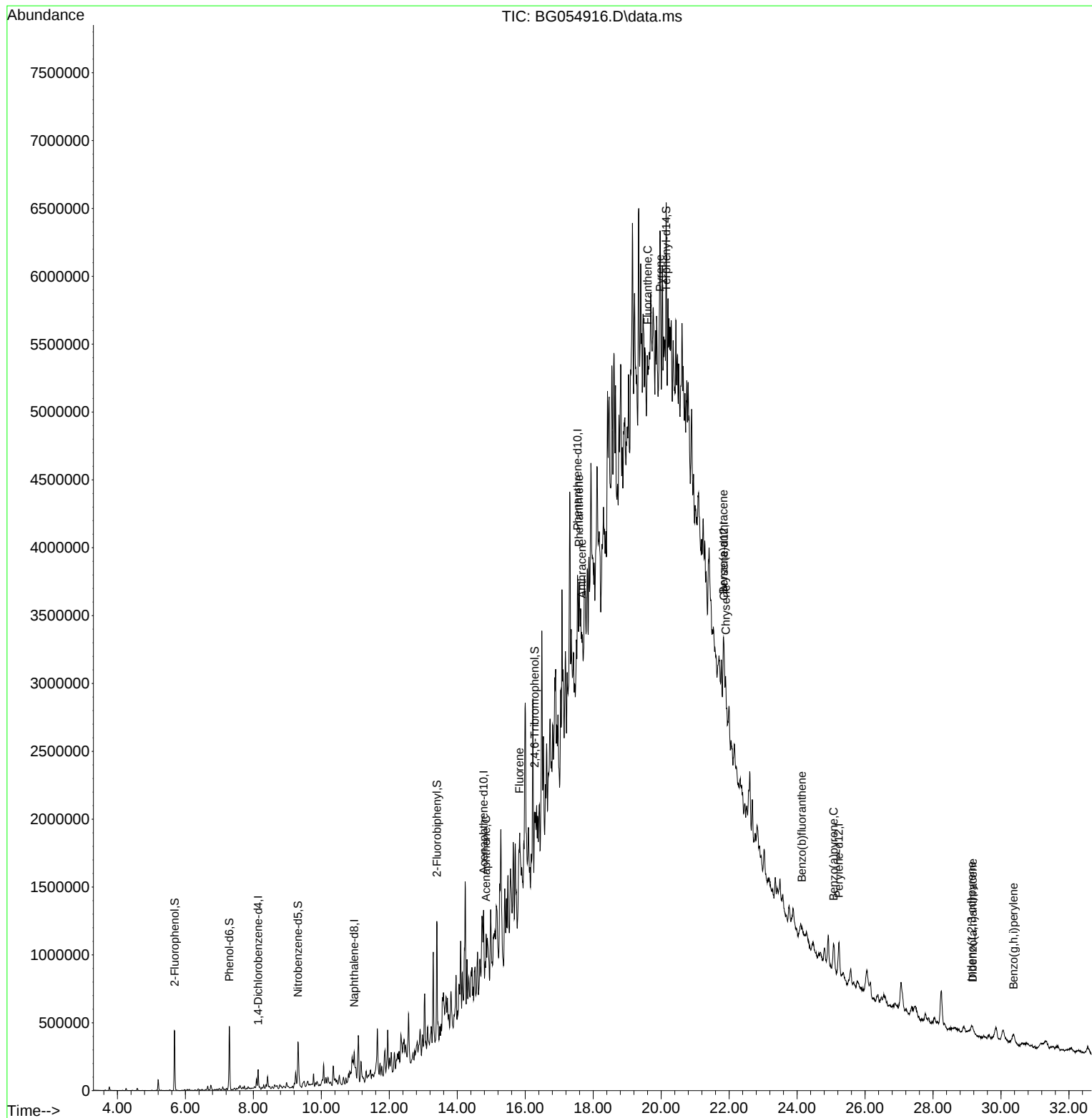
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091222\
Data File : BG054916.D
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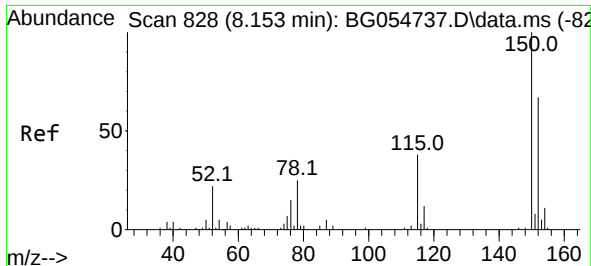
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Quant Time: Sep 13 03:09:34 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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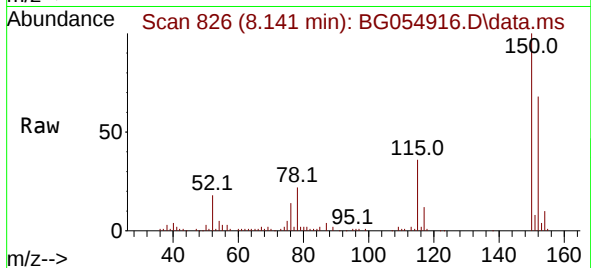
Reviewed By : Christian Giraldo 09/13/2022
Supervised By : Jagrut Upadhyay 09/13/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.141 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG054916.D
Acq: 12 Sep 2022 21:43

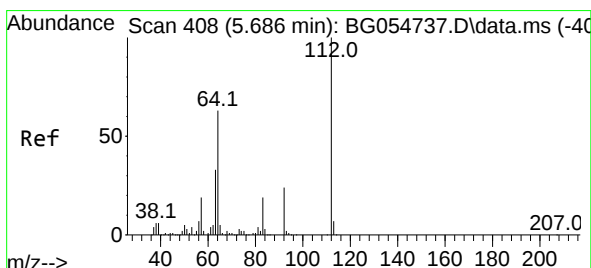
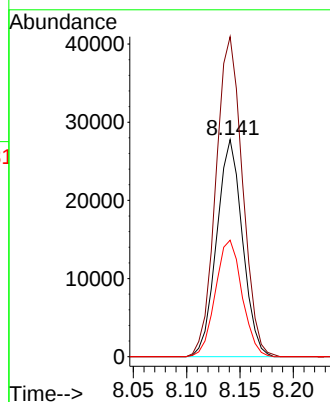
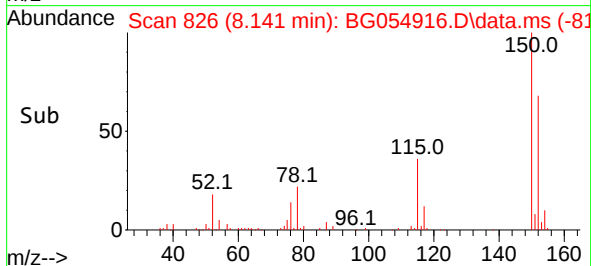
Instrument :
BNA_G
ClientSampleId :
D-CRTE-SLAB-1



Tgt Ion:152 Resp: 4663
Ion Ratio Lower Upper
152 100
150 147.4 125.2 187.8
115 53.6 47.9 71.9

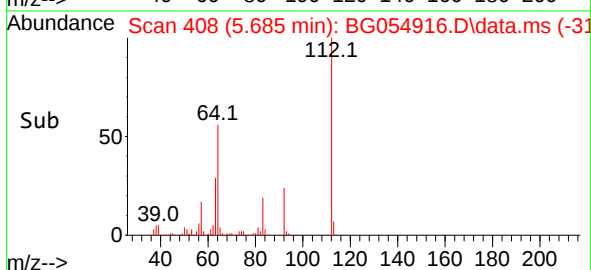
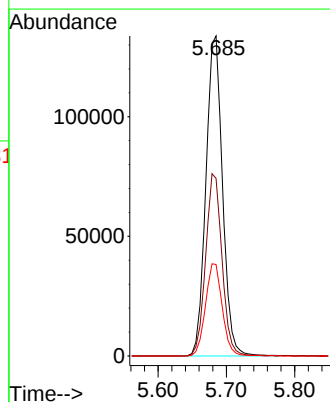
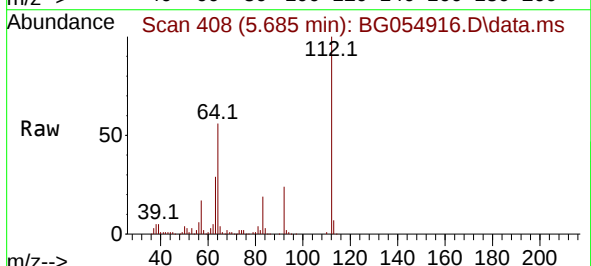
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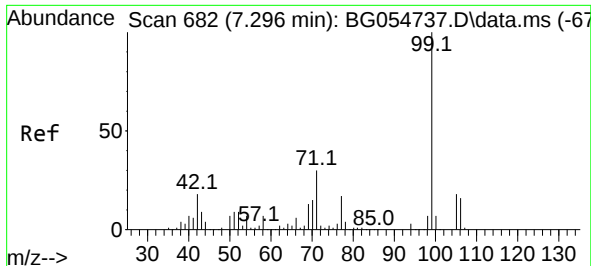
Reviewed By :Christian Giraldo 09/13/2022
Supervised By :Jagrut Upadhyay 09/13/2022



#5
2-Fluorophenol
Concen: 84.648 ng
RT: 5.685 min Scan# 408
Delta R.T. 0.000 min
Lab File: BG054916.D
Acq: 12 Sep 2022 21:43

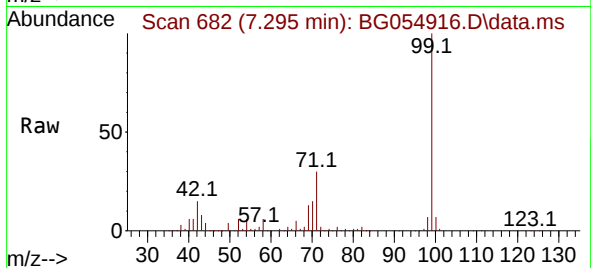
Tgt Ion:112 Resp: 226683
Ion Ratio Lower Upper
112 100
64 55.5 49.3 73.9
63 28.6 26.3 39.5





#7
Phenol-d6
Concen: 86.036 ng
RT: 7.295 min Scan# 61
Delta R.T. -0.005 min
Lab File: BG054916.D
Acq: 12 Sep 2022 21:43

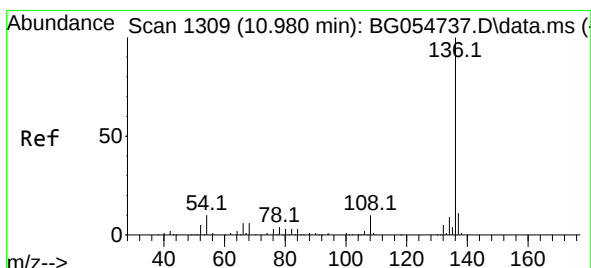
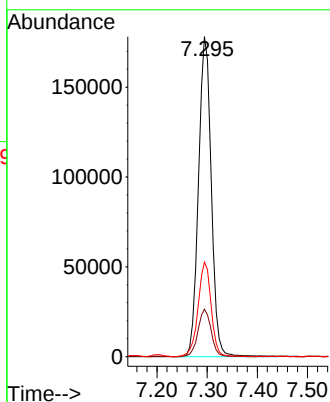
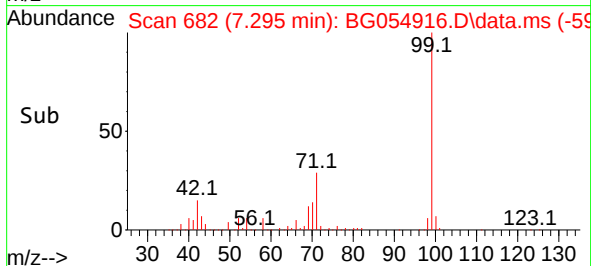
Instrument :
BNA_G
ClientSampleId :
D-CRTE-SLAB-1



Tgt Ion: 99 Resp: 31509
Ion Ratio Lower Upper
99 100
42 14.9 14.6 22.0
71 29.6 24.6 37.0

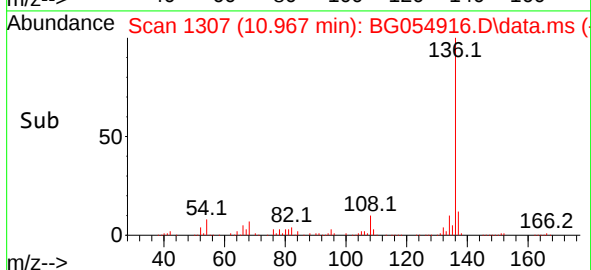
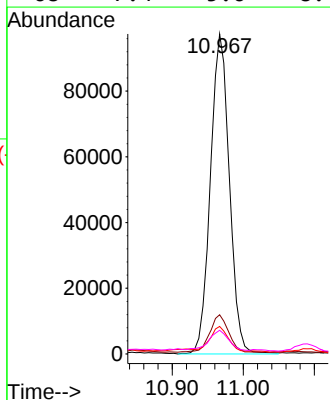
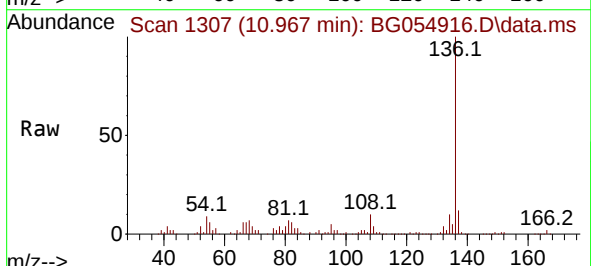
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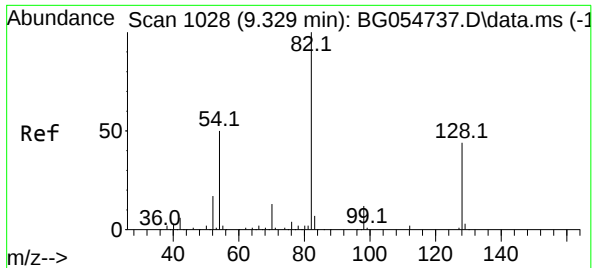
Reviewed By :Christian Giraldo 09/13/2022
Supervised By :Jagrut Upadhyay 09/13/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.967 min Scan# 1307
Delta R.T. -0.005 min
Lab File: BG054916.D
Acq: 12 Sep 2022 21:43

Tgt Ion:136 Resp: 180767
Ion Ratio Lower Upper
136 100
137 12.3 9.2 13.8
54 8.6 7.7 11.5
68 7.4 5.6 8.4





#23

Nitrobenzene-d5

Concen: 57.292 ng

RT: 9.316 min Scan# 1026

Delta R.T. -0.005 min

Lab File: BG054916.D

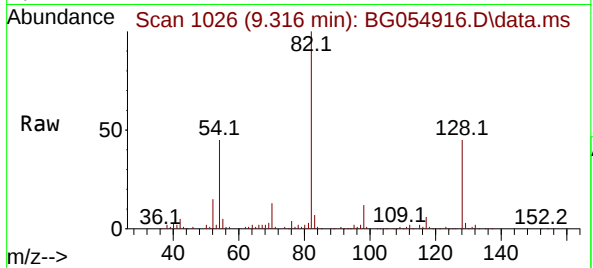
Acq: 12 Sep 2022 21:43

Instrument :

BNA_G

ClientSampleId :

D-CRTE-SLAB-1



Tgt Ion: 82 Resp: 19728

Ion Ratio Lower Upper

82 100

128 45.2 32.2 48.2

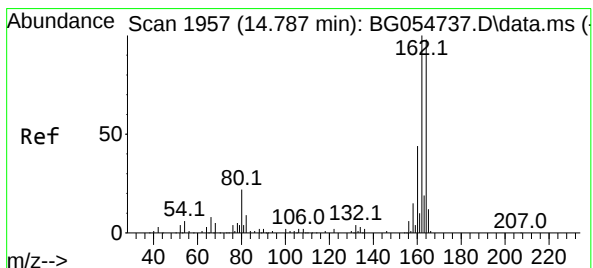
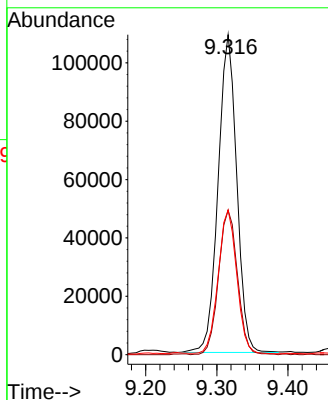
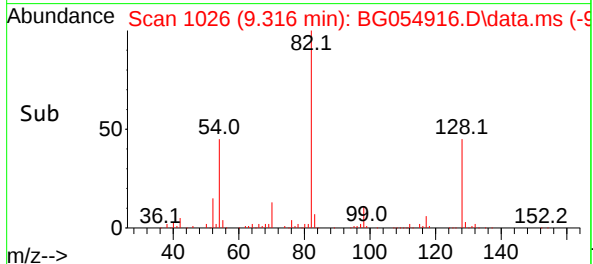
54 45.2 41.4 62.0

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.780 min Scan# 1956

Delta R.T. 0.000 min

Lab File: BG054916.D

Acq: 12 Sep 2022 21:43

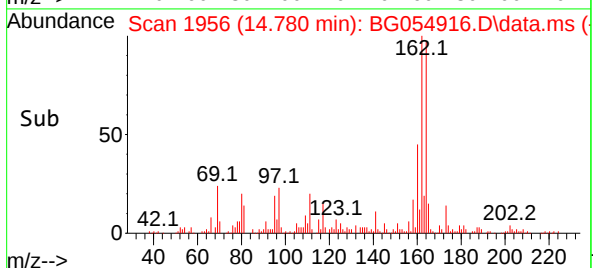
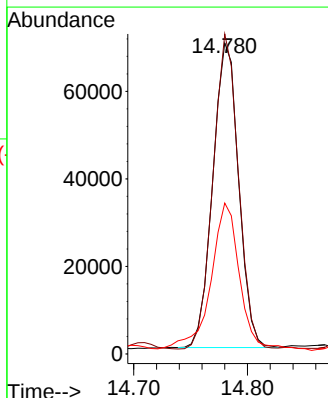
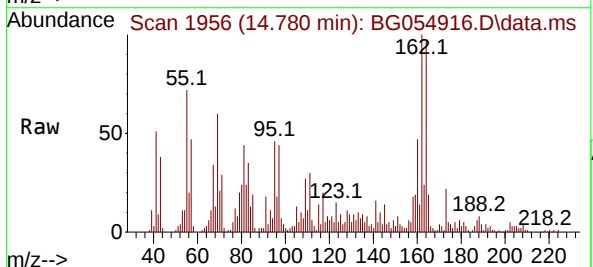
Tgt Ion:164 Resp: 109959

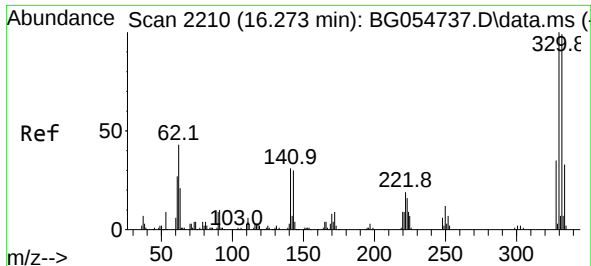
Ion Ratio Lower Upper

164 100

162 102.9 83.0 124.4

160 48.5 38.0 57.0





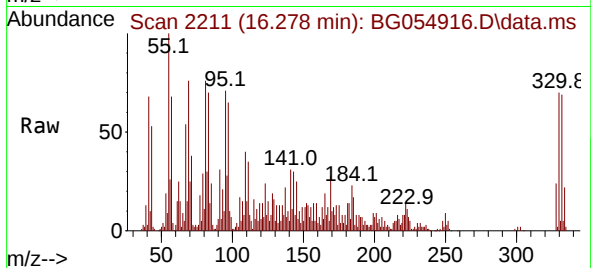
#42
2,4,6-Tribromophenol
Concen: 68.565 ng
RT: 16.278 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG054916.D
Acq: 12 Sep 2022 21:43

Instrument :

BNA_G

ClientSampleId :

D-CRTE-SLAB-1

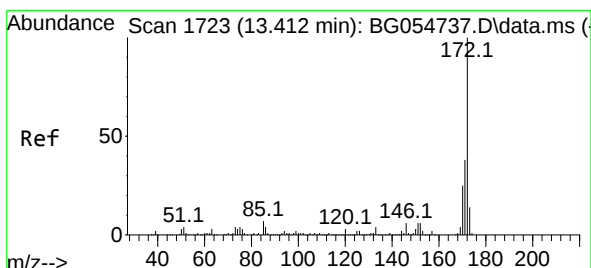
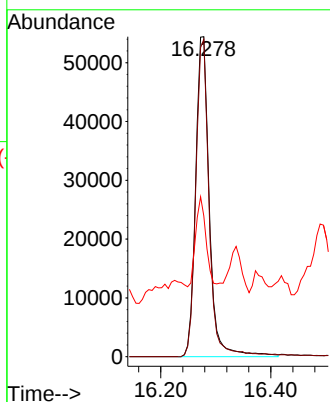
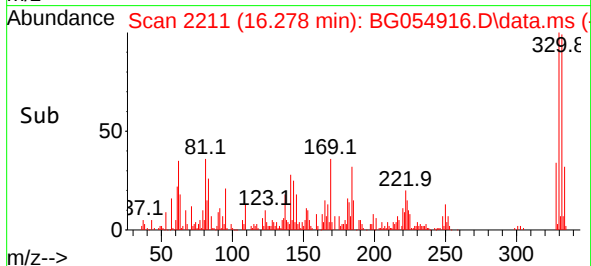


Tgt Ion:330 Resp: 94209
Ion Ratio Lower Upper
330 100
332 95.5 79.8 119.6
141 22.0 26.8 40.2

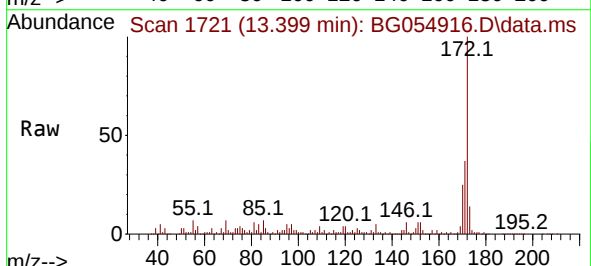
Manual Integrations

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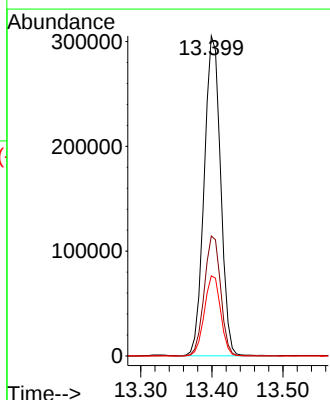
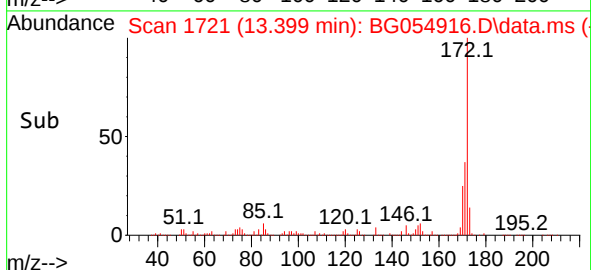
Reviewed By :Christian Giraldo 09/13/2022
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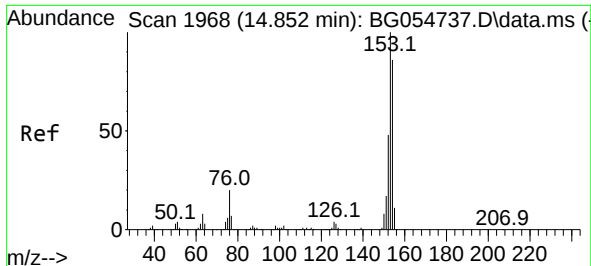


#45
2-Fluorobiphenyl
Concen: 66.961 ng
RT: 13.399 min Scan# 1721
Delta R.T. -0.005 min
Lab File: BG054916.D
Acq: 12 Sep 2022 21:43



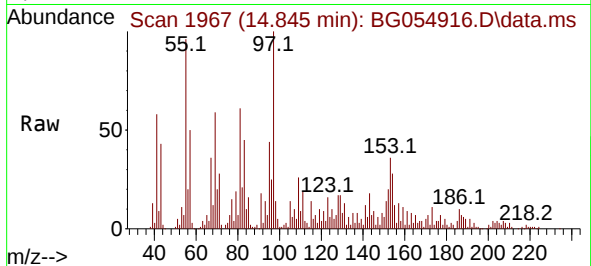
Tgt Ion:172 Resp: 489883
Ion Ratio Lower Upper
172 100
171 37.5 31.2 46.8
170 25.1 20.6 30.8





#52
Acenaphthene
Concen: 4.593 ng
RT: 14.845 min Scan# 1968
Delta R.T. 0.000 min
Lab File: BG054916.D
Acq: 12 Sep 2022 21:43

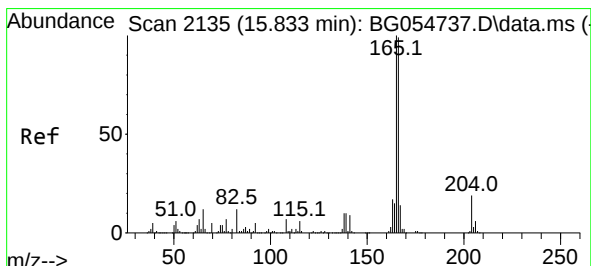
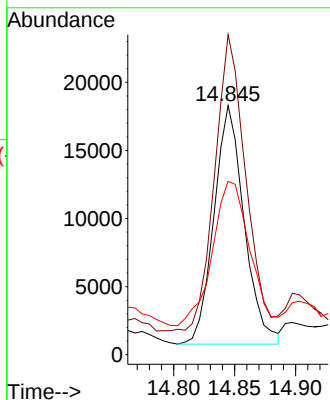
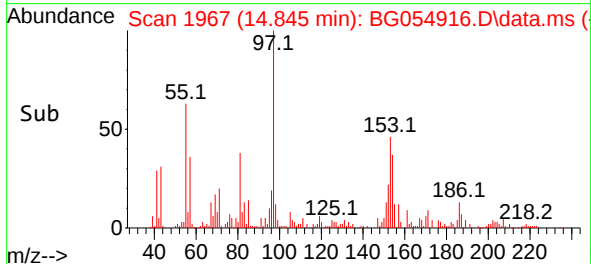
Instrument :
BNA_G
ClientSampleId :
D-CRTE-SLAB-1



Tgt Ion:154 Resp: 3019
Ion Ratio Lower Upper
154 100
153 128.4 92.8 139.2
152 69.5 45.4 68.2

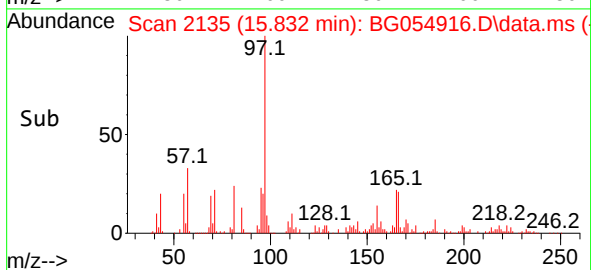
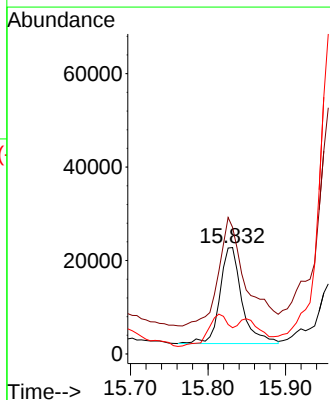
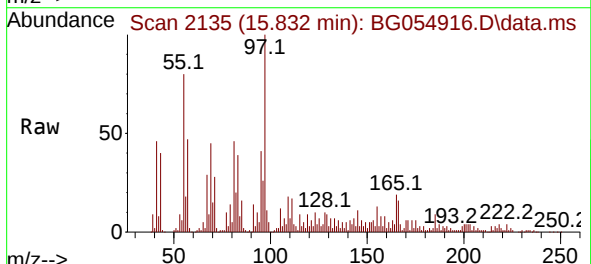
Manual Integrations
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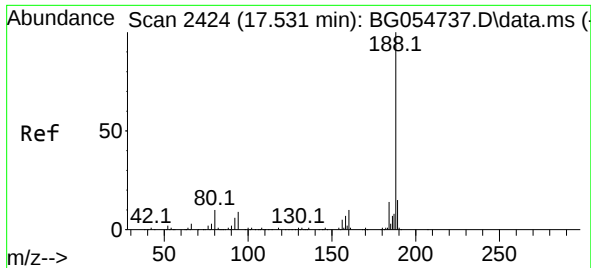
Reviewed By :Christian Giraldo 09/13/2022
Supervised By :Jagrut Upadhyay 09/13/2022



#58
Fluorene
Concen: 4.995 ng
RT: 15.832 min Scan# 2135
Delta R.T. 0.006 min
Lab File: BG054916.D
Acq: 12 Sep 2022 21:43

Tgt Ion:166 Resp: 40647
Ion Ratio Lower Upper
166 100
165 119.0 80.8 121.2
167 24.7 11.4 17.0#





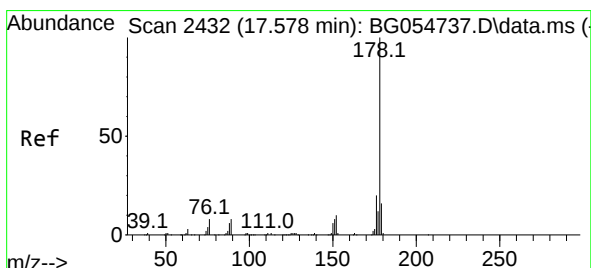
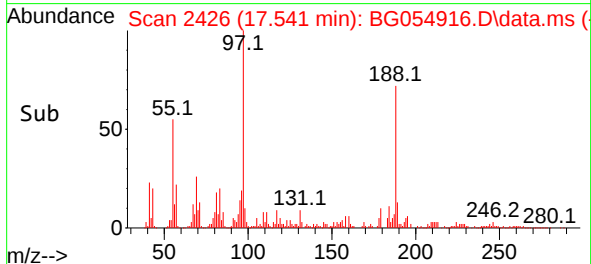
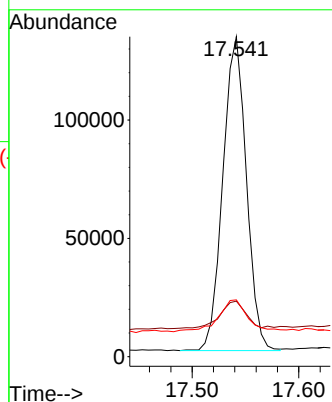
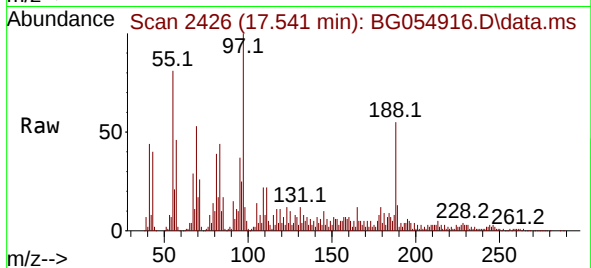
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.541 min Scan# 2424
Delta R.T. 0.012 min
Lab File: BG054916.D
Acq: 12 Sep 2022 21:43

Instrument :
BNA_G
ClientSampleId :
D-CRTE-SLAB-1

Tgt Ion:188 Resp: 202952
Ion Ratio Lower Upper
188 100
94 17.4 7.0 10.4
80 17.7 7.9 11.9

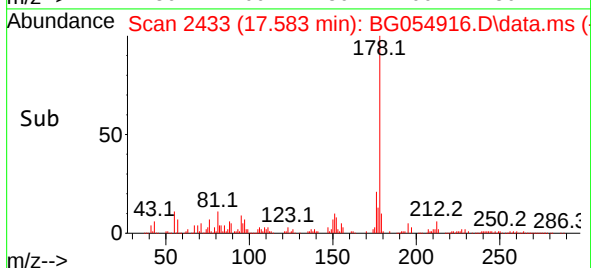
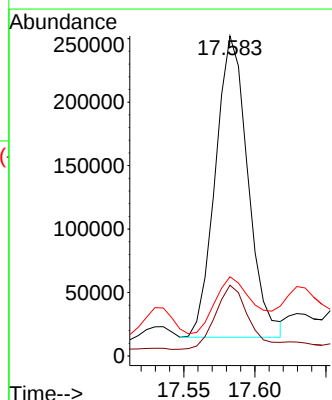
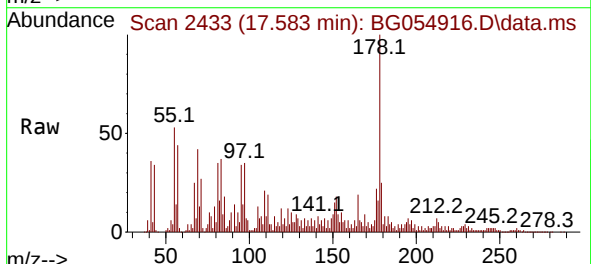
Manual Integrations
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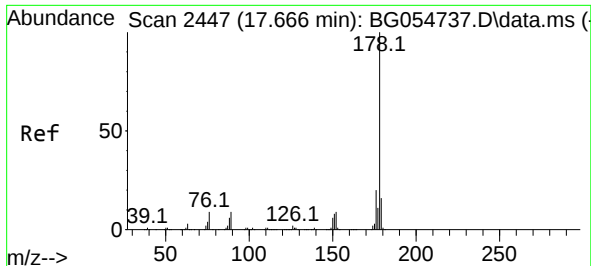
Reviewed By :Christian Giraldo 09/13/2022
Supervised By :Jagrut Upadhyay 09/13/2022



#71
Phenanthrene
Concen: 34.907 ng
RT: 17.583 min Scan# 2433
Delta R.T. 0.012 min
Lab File: BG054916.D
Acq: 12 Sep 2022 21:43

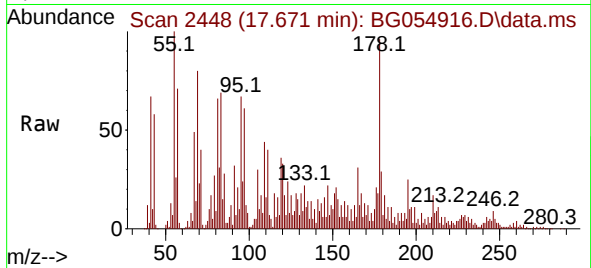
Tgt Ion:178 Resp: 377393
Ion Ratio Lower Upper
178 100
176 22.1 16.6 25.0
179 24.7 12.8 19.2





#72
 Anthracene
 Concen: 15.681 ng
 RT: 17.671 min Scan# 2448
 Delta R.T. 0.006 min
 Lab File: BG054916.D
 Acq: 12 Sep 2022 21:43

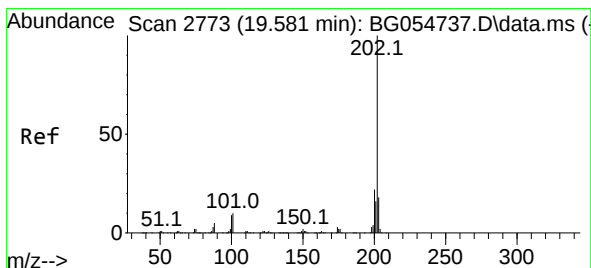
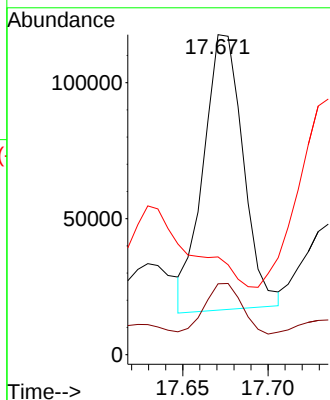
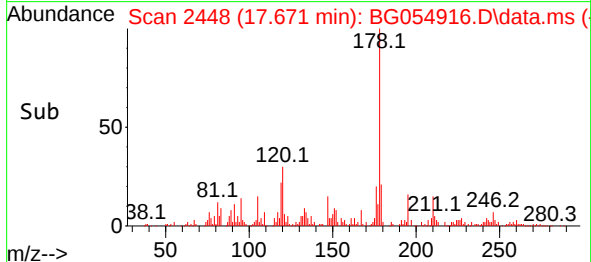
Instrument :
 BNA_G
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 D-CRTE-SLAB-1



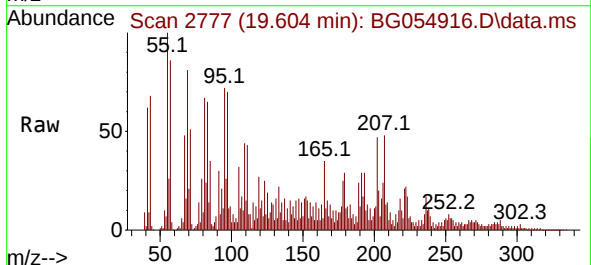
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 Ion Ratio Lower Upper
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 176 22.1 16.2 24.4
 179 30.6 12.9 19.3

Manual Integrations
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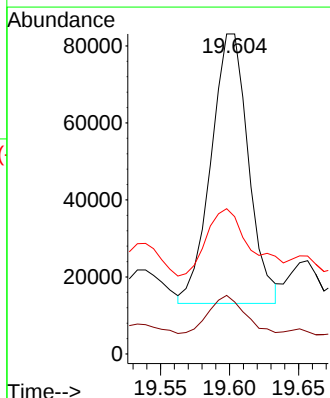
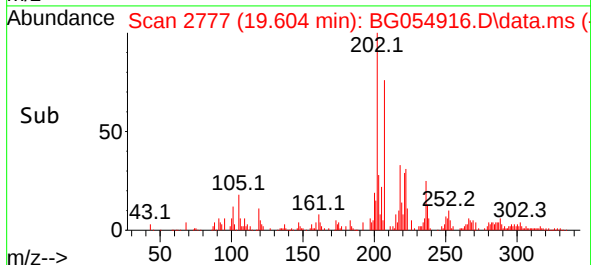
Reviewed By :Christian Giraldo 09/13/2022
 Supervised By :Jagrut Upadhyay 09/13/2022

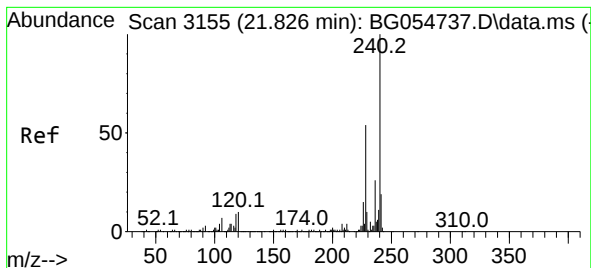


#75
 Fluoranthene
 Concen: 10.038 ng m
 RT: 19.604 min Scan# 2777
 Delta R.T. 0.024 min
 Lab File: BG054916.D
 Acq: 12 Sep 2022 21:43



Tgt Ion:202 Resp: 132024
 Ion Ratio Lower Upper
 202 100
 101 16.3 0.0 31.4
 203 42.9 0.0 38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.848 min Scan# 3159

Delta R.T. 0.024 min

Lab File: BG054916.D

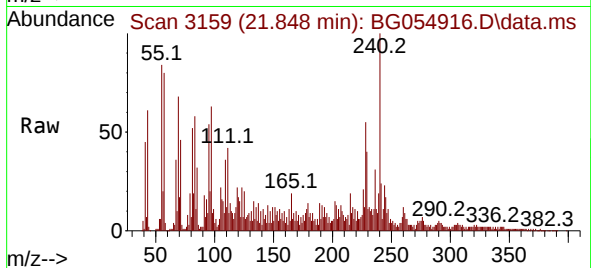
Acq: 12 Sep 2022 21:43

Instrument :

BNA_G

ClientSampleId :

D-CRTE-SLAB-1



Tgt Ion:240 Resp: 198539

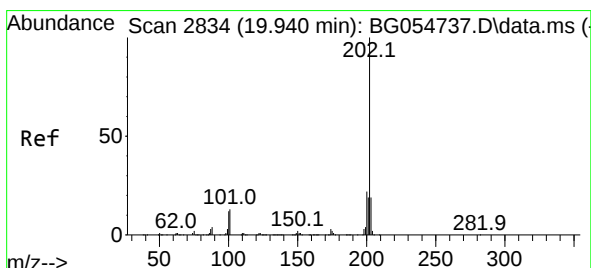
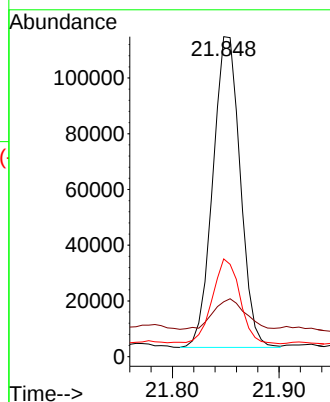
Ion	Ratio	Lower	Upper
240	100		
120	17.2	8.2	12.4
236	30.5	21.2	31.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 09/13/2022



#78

Pyrene

Concen: 33.946 ng

RT: 19.968 min Scan# 2839

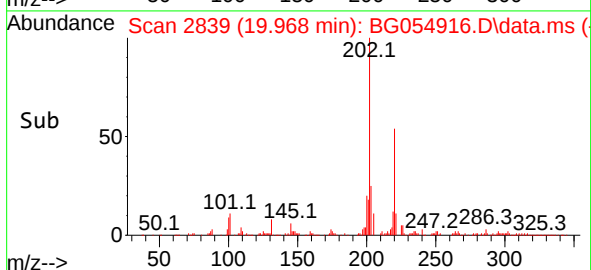
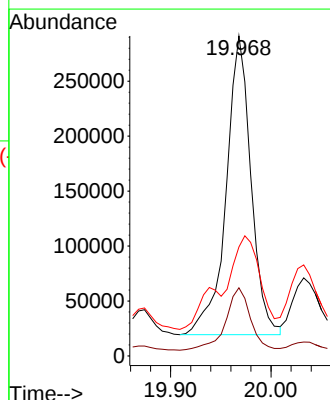
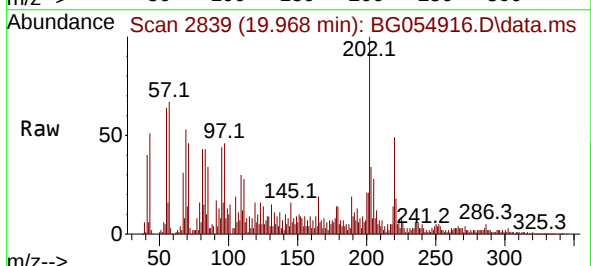
Delta R.T. 0.030 min

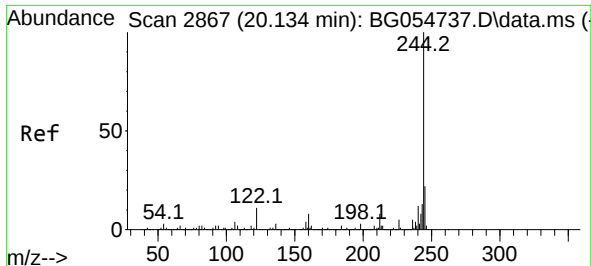
Lab File: BG054916.D

Acq: 12 Sep 2022 21:43

Tgt Ion:202 Resp: 469950

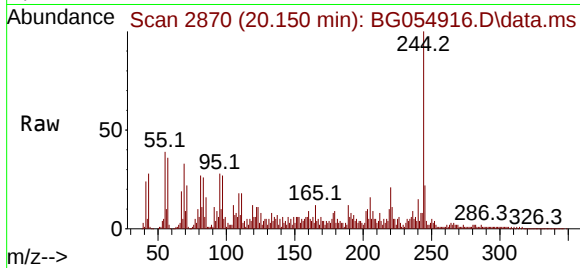
Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.8	26.6
203	34.0	14.6	21.8





#79
 Terphenyl-d14
 Concen: 59.065 ng
 RT: 20.150 min Scan# 21
 Delta R.T. 0.024 min
 Lab File: BG054916.D
 Acq: 12 Sep 2022 21:43

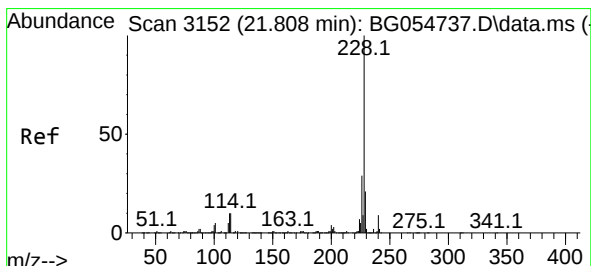
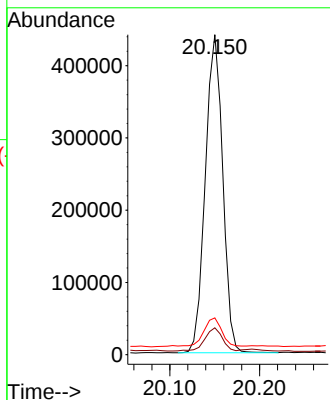
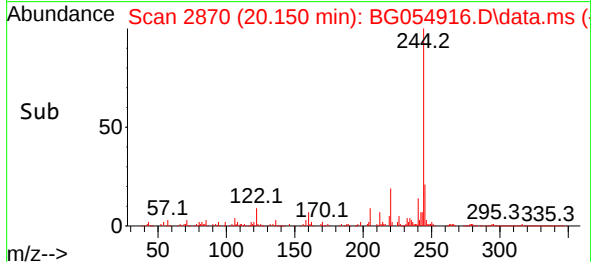
Instrument :
 BNA_G
 ClientSampleId :
 D-CRTE-SLAB-1



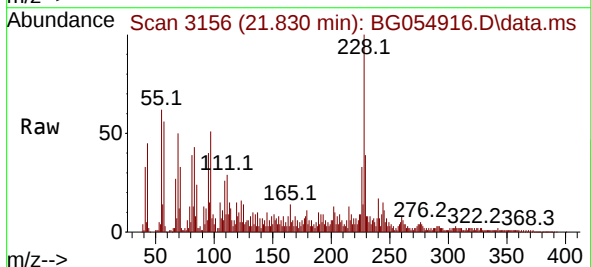
Tgt Ion:244 Resp: 59184
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.2 9.2
 122 11.5 9.0 13.6

Manual Integrations
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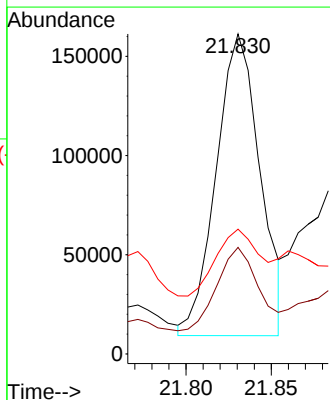
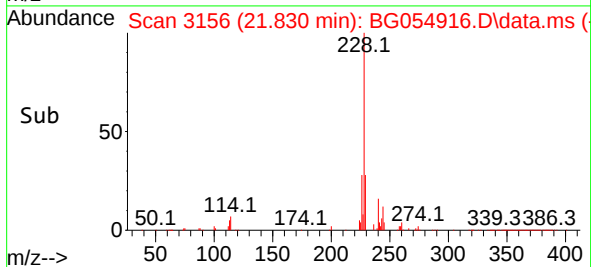
Reviewed By :Christian Giraldo 09/13/2022
 Supervised By :Jagrut Upadhyay 09/13/2022

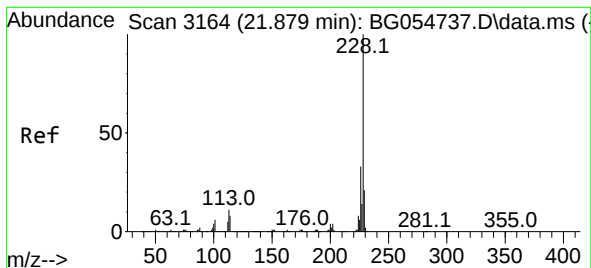


#81
 Benzo(a)anthracene
 Concen: 20.239 ng
 RT: 21.830 min Scan# 3156
 Delta R.T. 0.024 min
 Lab File: BG054916.D
 Acq: 12 Sep 2022 21:43



Tgt Ion:228 Resp: 272446
 Ion Ratio Lower Upper
 228 100
 226 33.3 23.4 35.2
 229 39.0 16.5 24.7#





#83

Chrysene

Concen: 24.719 ng m

RT: 21.901 min Scan# 3168

Delta R.T. 0.030 min

Lab File: BG054916.D

Acq: 12 Sep 2022 21:43

Instrument :

BNA_G

ClientSampleId :

D-CRTE-SLAB-1

Tgt Ion:228 Resp: 31815

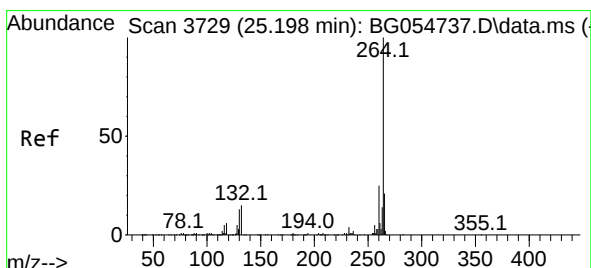
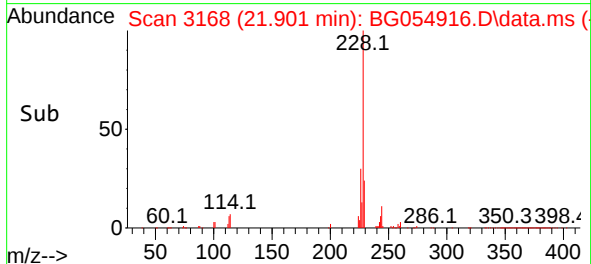
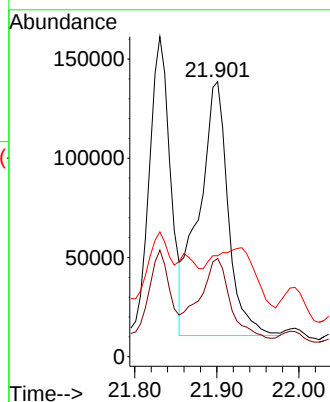
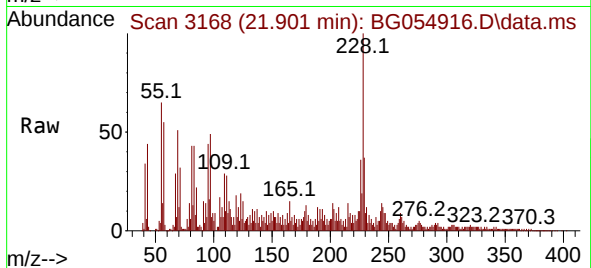
Ion	Ratio	Lower	Upper
228	100		
226	35.7	25.5	38.3
229	36.7	16.8	25.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 09/13/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.232 min Scan# 3735

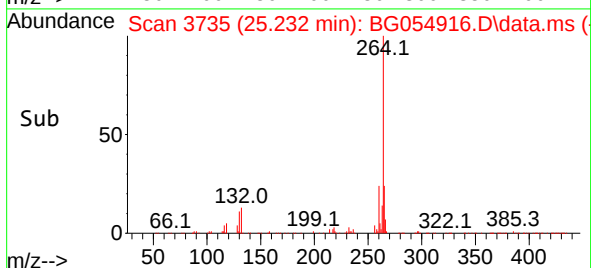
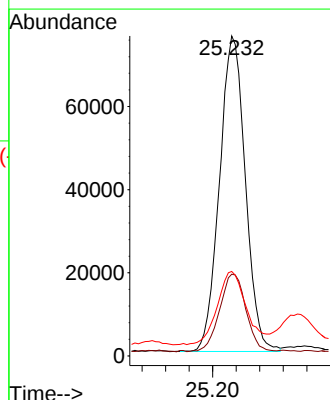
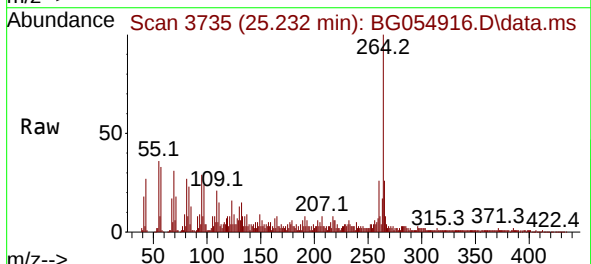
Delta R.T. 0.030 min

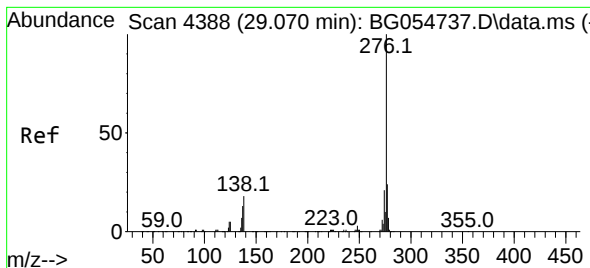
Lab File: BG054916.D

Acq: 12 Sep 2022 21:43

Tgt Ion:264 Resp: 231196

Ion	Ratio	Lower	Upper
264	100		
260	25.6	19.9	29.9
265	26.4	16.9	25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.216 ng

RT: 29.140 min Scan# 4400

Delta R.T. 0.030 min

Lab File: BG054916.D

Acq: 12 Sep 2022 21:43

Instrument :

BNA_G

ClientSampleId :

D-CRTE-SLAB-1

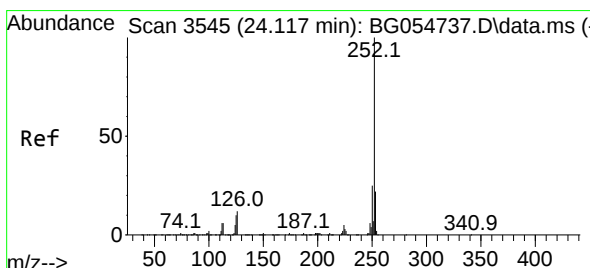
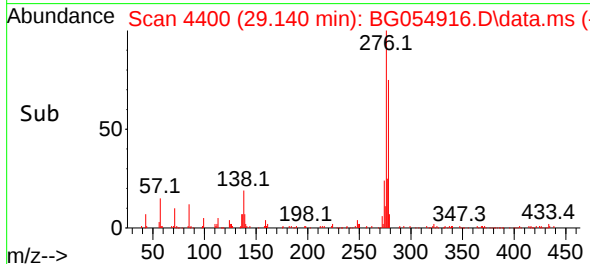
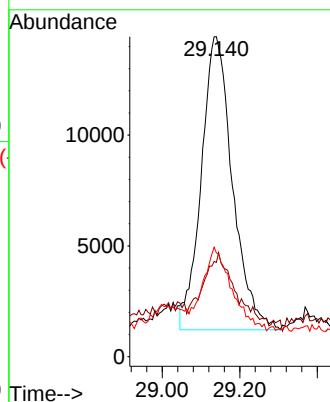
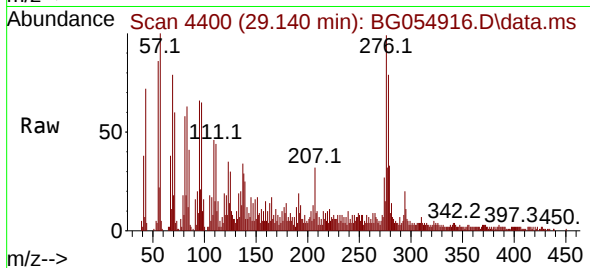
Tgt Ion:276 Resp: 73989
 Ion Ratio Lower Upper
 276 100
 138 24.8 12.0 18.0#
 277 26.8 20.2 30.4#

Manual Integrations

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Supervised By :Jagrut Upadhyay 09/13/2022



#88

Benzo(b)fluoranthene

Concen: 7.026 ng

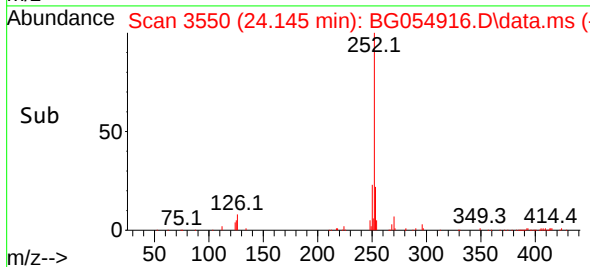
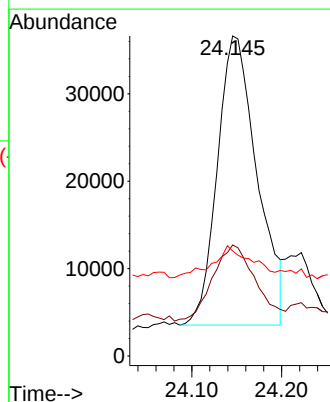
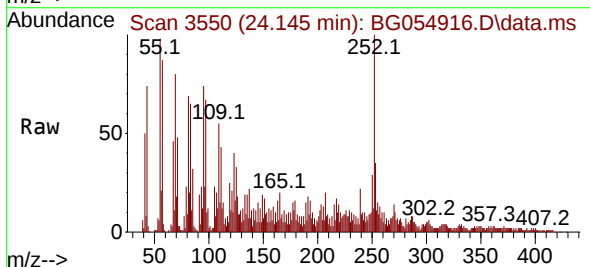
RT: 24.145 min Scan# 3550

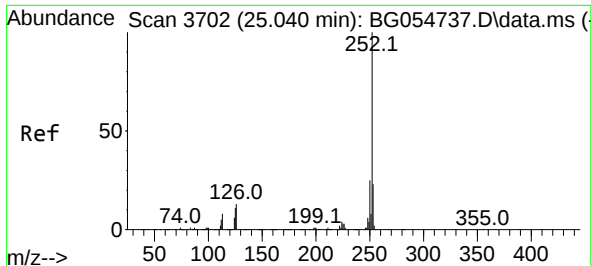
Delta R.T. 0.024 min

Lab File: BG054916.D

Acq: 12 Sep 2022 21:43

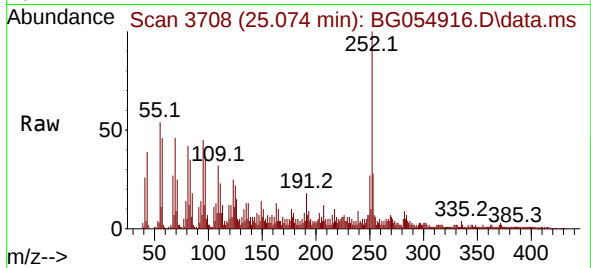
Tgt Ion:252 Resp: 101896
 Ion Ratio Lower Upper
 252 100
 253 34.7 18.0 27.0#
 125 32.8 8.1 12.1#





#90
Benzo(a)pyrene
Concen: 12.923 ng
RT: 25.074 min Scan# 31
Delta R.T. 0.024 min
Lab File: BG054916.D
Acq: 12 Sep 2022 21:43

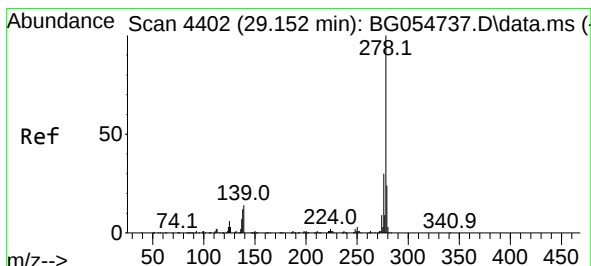
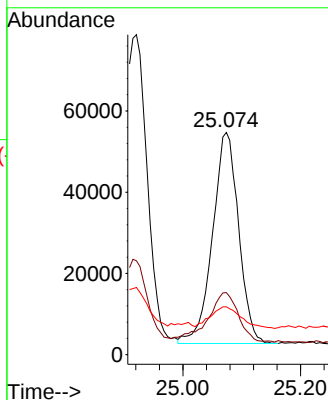
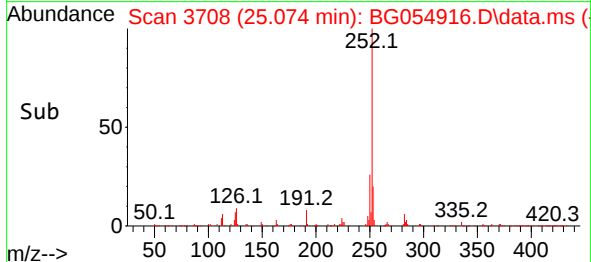
Instrument :
BNA_G
ClientSampleId :
D-CRTE-SLAB-1



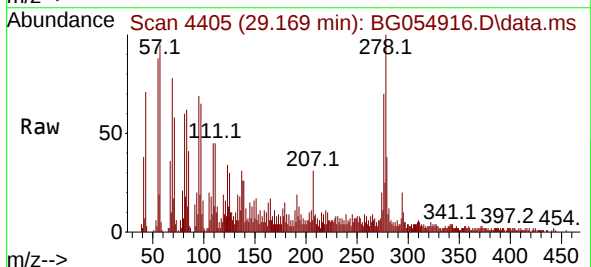
Tgt Ion:252 Resp: 16013
Ion Ratio Lower Upper
252 100
253 27.9 18.3 27.5
125 21.5 8.8 13.2

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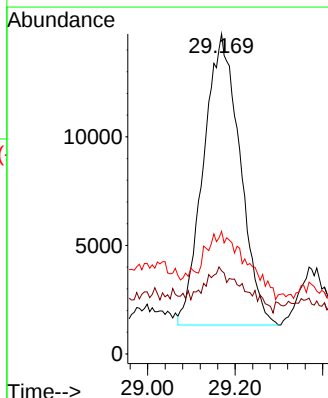
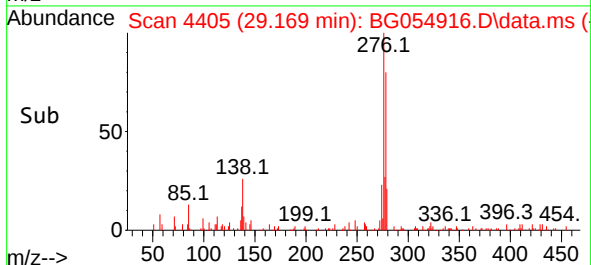
Reviewed By :Christian Giraldo 09/13/2022
Supervised By :Jagrut Upadhyay 09/13/2022

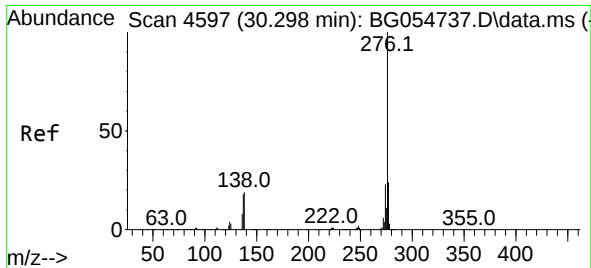


#91
Dibenzo(a,h)anthracene
Concen: 5.420 ng
RT: 29.169 min Scan# 4405
Delta R.T. 0.000 min
Lab File: BG054916.D
Acq: 12 Sep 2022 21:43



Tgt Ion:278 Resp: 77508
Ion Ratio Lower Upper
278 100
139 26.0 11.4 17.2#
279 38.3 19.3 28.9#





#92

Benzo(g,h,i)perylene

Concen: 9.565 ng

RT: 30.373 min Scan# 4

Delta R.T. 0.047 min

Lab File: BG054916.D

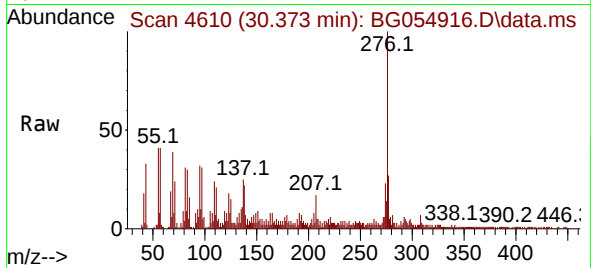
Acq: 12 Sep 2022 21:43

Instrument :

BNA_G

ClientSampleId :

D-CRTE-SLAB-1



Tgt Ion:276 Resp: 13816

Ion Ratio Lower Upper

276 100

277 26.7 19.4 29.0

138 21.6 16.6 25.0

Manual Integrations

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Supervised By :Jagrut Upadhyay 09/13/2022

