

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072722\
 Data File : BG054423.D
 Acq On : 27 Jul 2022 19:53
 Operator : CG/JU
 Sample : N3906-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NB-7-7-26-22

Quant Time: Jul 28 04:34:40 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 04:30:50 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 07/28/2022
 Supervised By : Jagrut Upadhyay 07/28/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.989	152	21154	20.000	ng	# 0.00
21) Naphthalene-d8	10.803	136	77039	20.000	ng	# 0.00
39) Acenaphthene-d10	14.628	164	55507	20.000	ng	0.00
64) Phenanthrene-d10	17.372	188	124458	20.000	ng	# 0.00
76) Chrysene-d12	21.643	240	142178	20.000	ng	# 0.00
86) Perylene-d12	24.857	264	112251	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.574	112	109148	107.728	ng	0.01
7) Phenol-d6	7.178	99	140870	101.469	ng	0.00
23) Nitrobenzene-d5	9.158	82	95574	67.559	ng	0.00
42) 2,4,6-Tribromophenol	16.120	330	116243	99.742	ng	0.00
45) 2-Fluorobiphenyl	13.247	172	281421	71.522	ng	0.00
79) Terphenyl-d14	19.986	244	496278	69.245	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.419	178	265219	42.792	ng	97
72) Anthracene	17.507	178	74051	12.175	ng	98
73) Carbazole	17.777	167	16884	3.372	ng	94
75) Fluoranthene	19.434	202	986256	116.733	ng	93
78) Pyrene	19.798	202	887549	108.794	ng	95
81) Benzo(a)anthracene	21.625	228	686075	76.016	ng	96
83) Chrysene	21.696	228	583386	68.417	ng	94
87) Indeno(1,2,3-cd)pyrene	28.541	276	199085	23.314	ng	# 94
88) Benzo(b)fluoranthene	23.852	252	674273	101.572	ng	# 97
89) Benzo(k)fluoranthene	23.905	252	350425m	53.041	ng	
90) Benzo(a)pyrene	24.716	252	519682	91.667	ng	97
91) Dibenzo(a,h)anthracene	28.570	278	46271	6.590	ng	# 84
92) Benzo(g,h,i)perylene	29.692	276	164509	23.737	ng	# 84

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

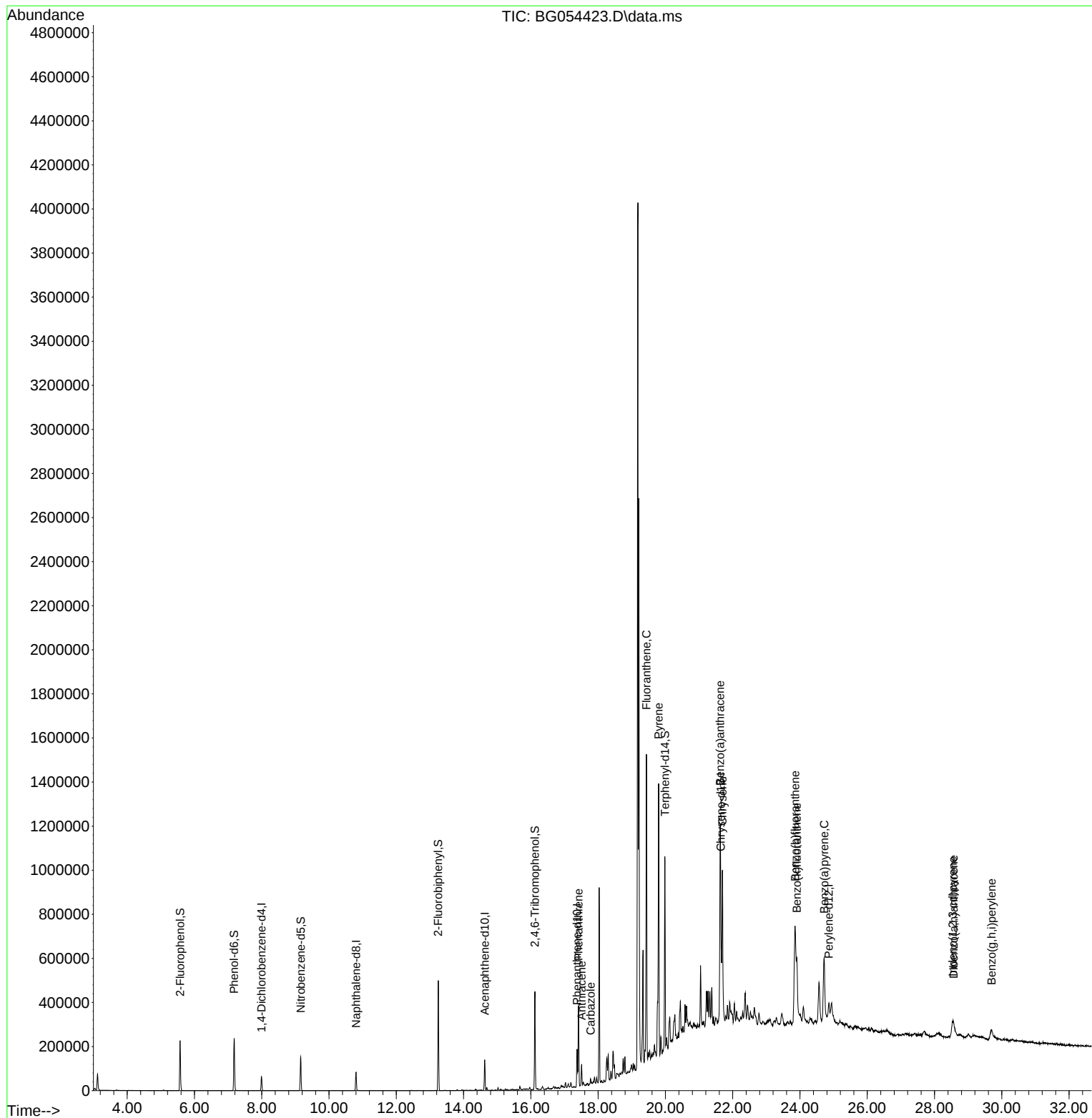
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072722\
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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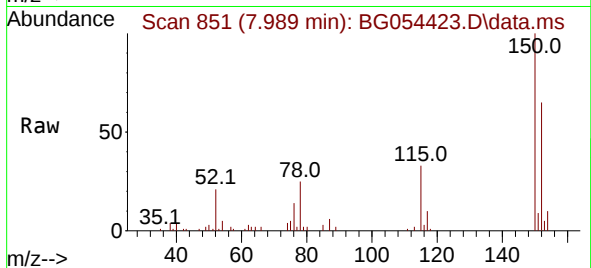
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.989 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG054423.D
Acq: 27 Jul 2022 19:53

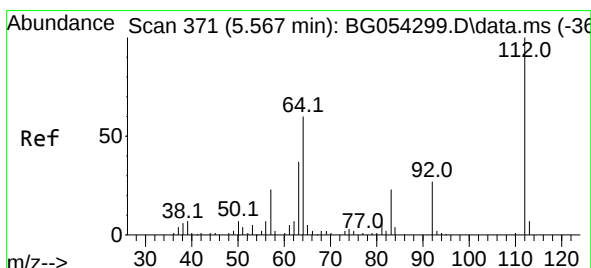
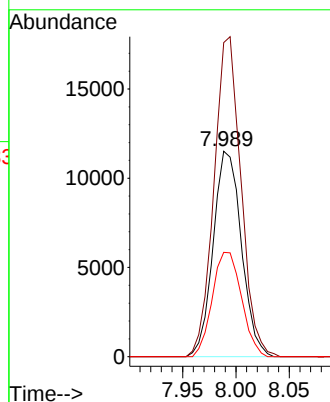
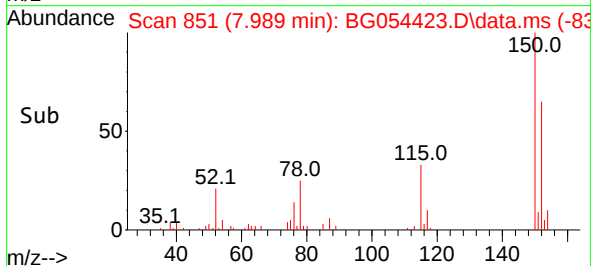
Instrument :
BNA_G
ClientSampleId :
NB-7-7-26-22



Tgt Ion:152 Resp: 21154
Ion Ratio Lower Upper
152 100
150 152.8 131.6 197.4
115 50.8 50.9 76.3

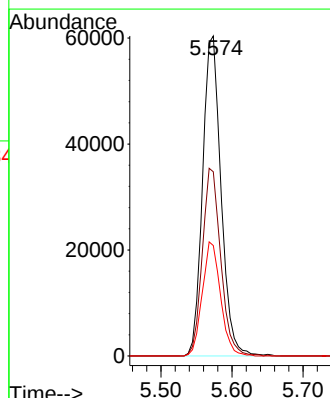
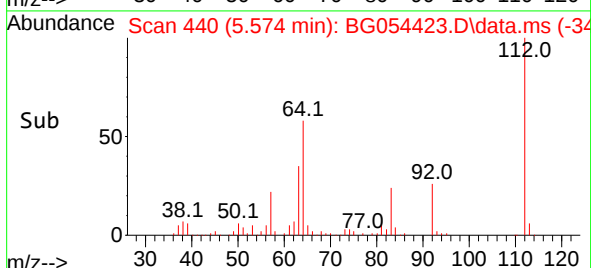
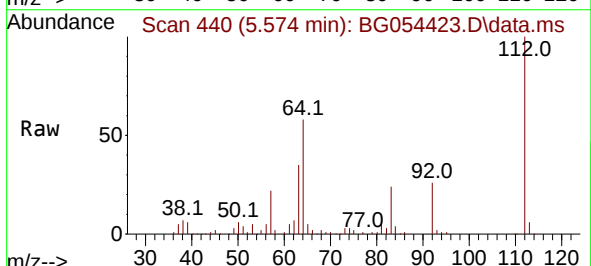
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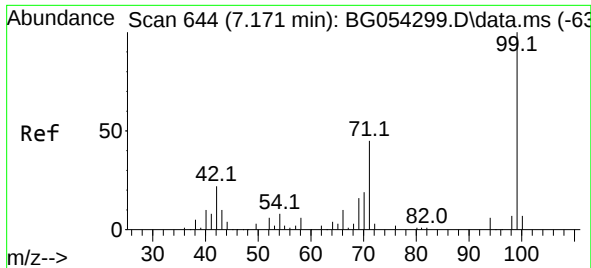
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#5
2-Fluorophenol
Concen: 107.728 ng
RT: 5.574 min Scan# 440
Delta R.T. 0.012 min
Lab File: BG054423.D
Acq: 27 Jul 2022 19:53

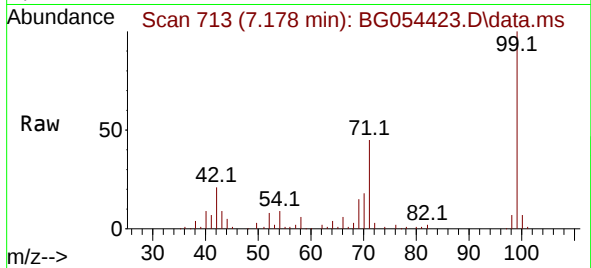
Tgt Ion:112 Resp: 109148
Ion Ratio Lower Upper
112 100
64 57.6 55.1 82.7
63 34.5 30.4 45.6





#7
Phenol-d6
Concen: 101.469 ng
RT: 7.178 min Scan# 71
Delta R.T. 0.006 min
Lab File: BG054423.D
Acq: 27 Jul 2022 19:53

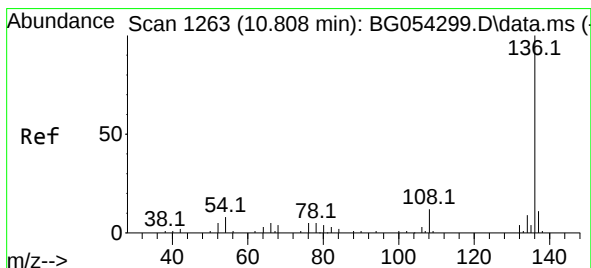
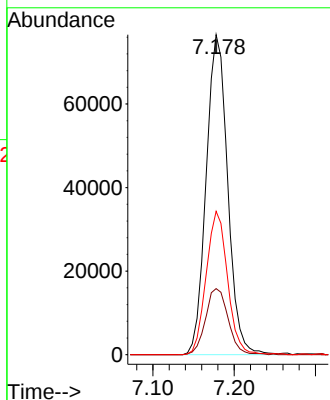
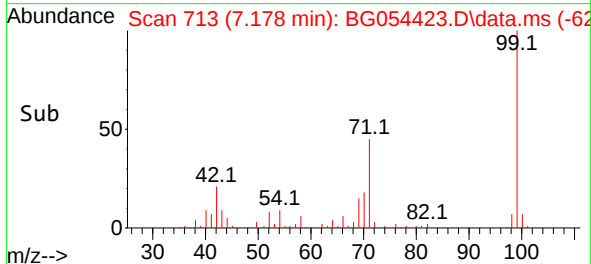
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BNA_G
ClientSampleId :
NB-7-7-26-22



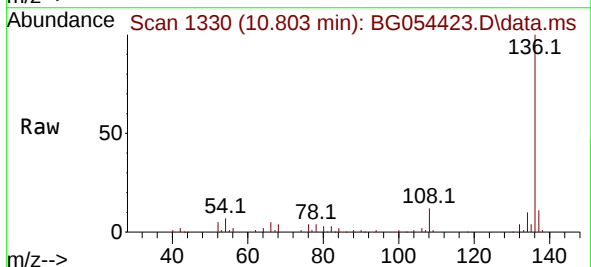
Tgt Ion: 99 Resp: 140870
Ion Ratio Lower Upper
99 100
42 20.6 17.0 25.6
71 44.8 33.8 50.8

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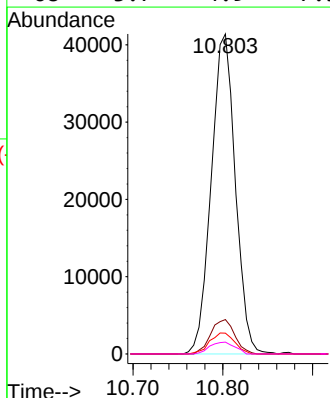
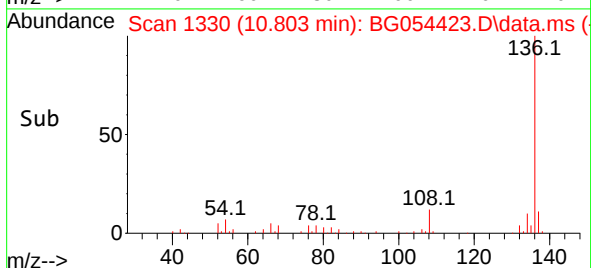
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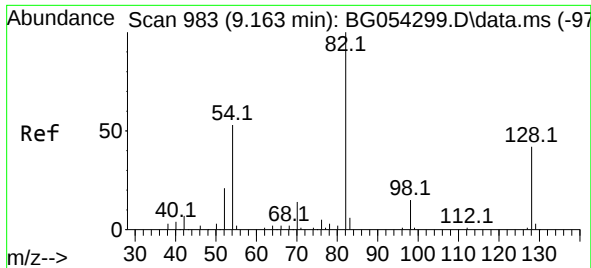


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.803 min Scan# 1330
Delta R.T. 0.006 min
Lab File: BG054423.D
Acq: 27 Jul 2022 19:53



Tgt Ion:136 Resp: 77039
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 6.5 7.4 11.2#
68 3.7 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 67.559 ng
RT: 9.158 min Scan# 1050
Delta R.T. 0.006 min
Lab File: BG054423.D
Acq: 27 Jul 2022 19:53

Instrument :

BNA_G

ClientSampleId :

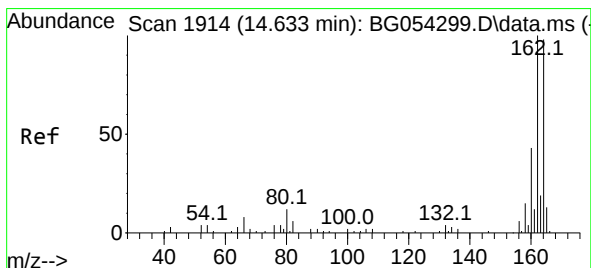
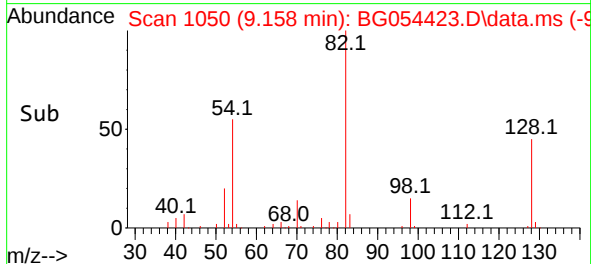
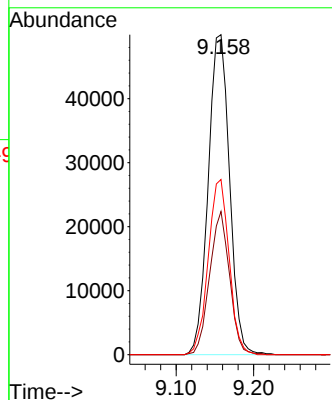
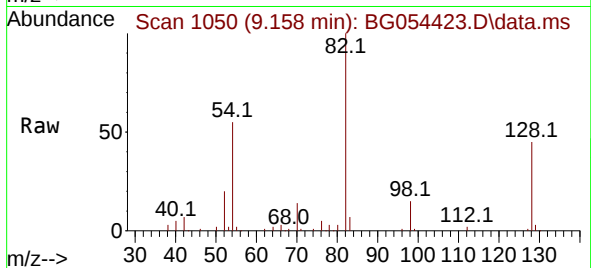
NB-7-7-26-22

Tgt Ion: 82 Resp: 95574
Ion Ratio Lower Upper
82 100
128 44.8 27.9 41.9
54 54.7 41.2 61.8

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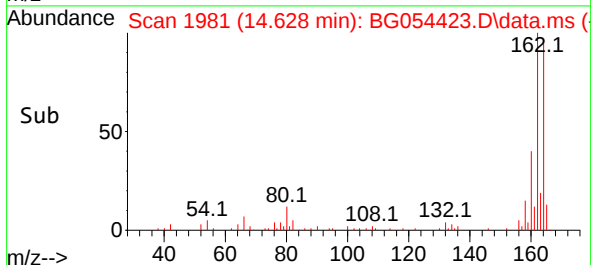
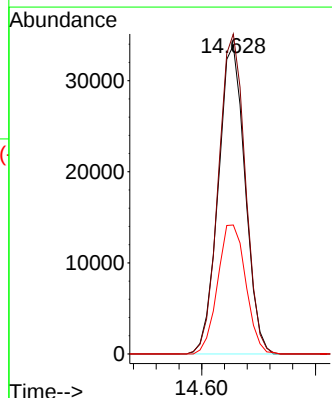
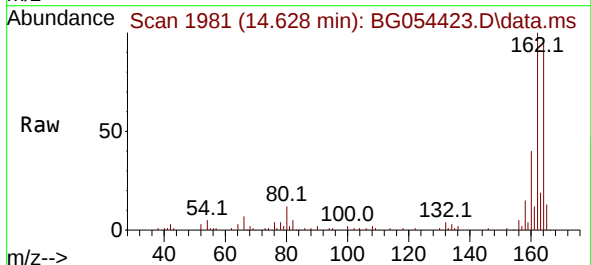
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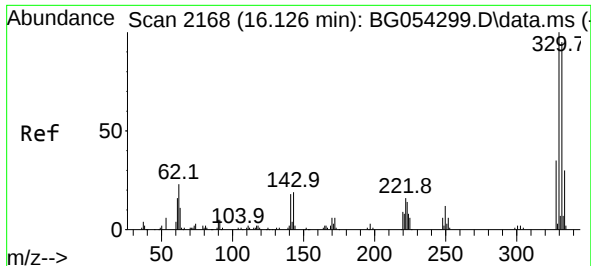
Reviewed By :Christian Giraldo 07/28/2022
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.628 min Scan# 1981
Delta R.T. 0.006 min
Lab File: BG054423.D
Acq: 27 Jul 2022 19:53

Tgt Ion:164 Resp: 55507
Ion Ratio Lower Upper
164 100
162 103.7 82.3 123.5
160 41.8 34.2 51.2





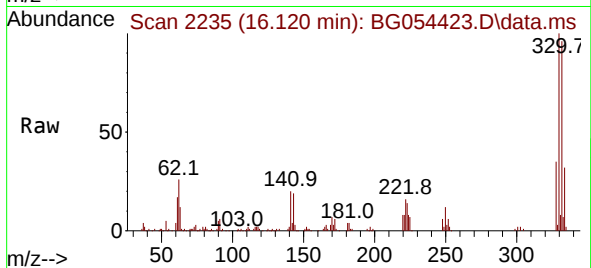
#42
2,4,6-Tribromophenol
Concen: 99.742 ng
RT: 16.120 min Scan# 2168
Delta R.T. 0.006 min
Lab File: BG054423.D
Acq: 27 Jul 2022 19:53

Instrument :

BNA_G

ClientSampleId :

NB-7-7-26-22

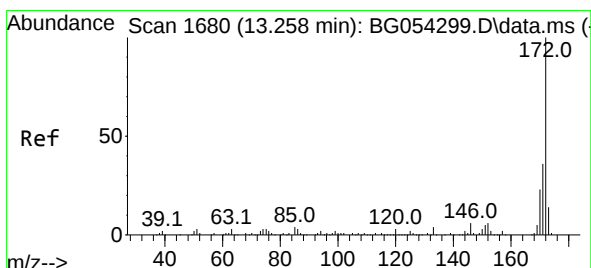
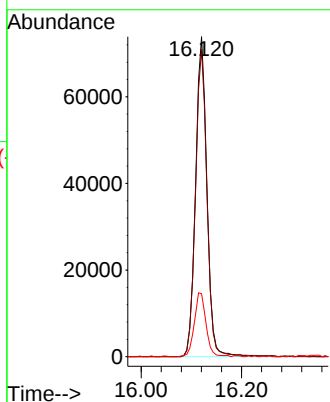
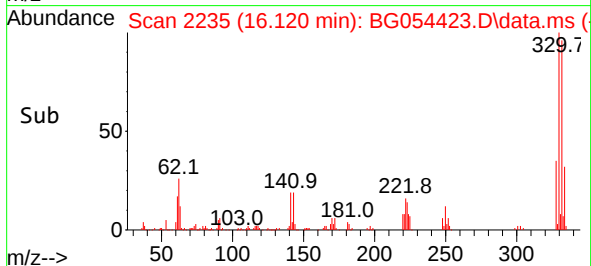


Tgt Ion:330 Resp: 11624
Ion Ratio Lower Upper
330 100
332 96.6 76.0 114.0
141 20.5 27.1 40.7

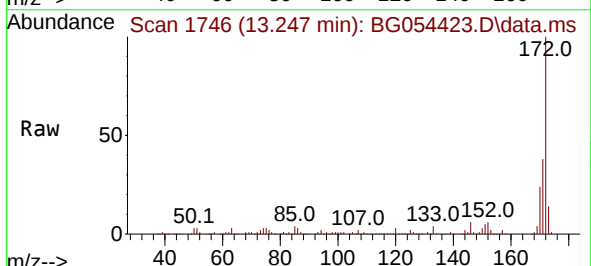
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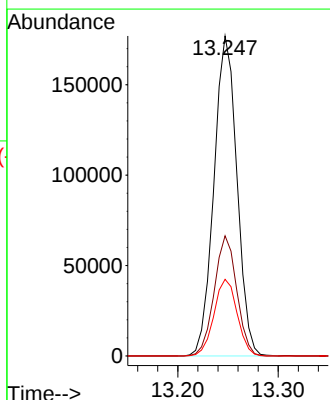
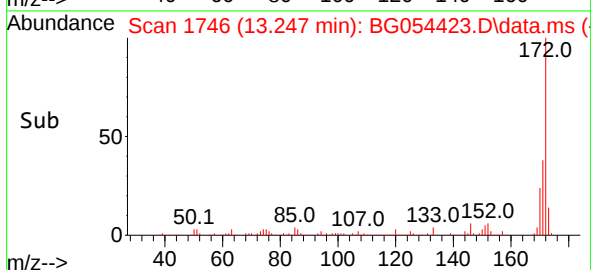
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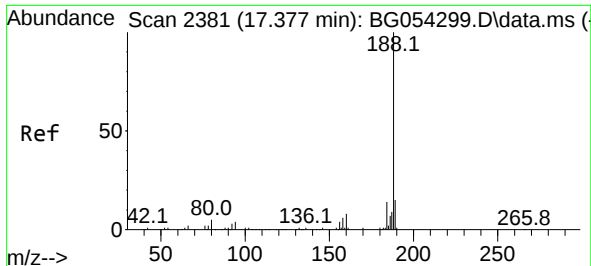


#45
2-Fluorobiphenyl
Concen: 71.522 ng
RT: 13.247 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BG054423.D
Acq: 27 Jul 2022 19:53



Tgt Ion:172 Resp: 281421
Ion Ratio Lower Upper
172 100
171 37.5 28.5 42.7
170 24.0 18.9 28.3





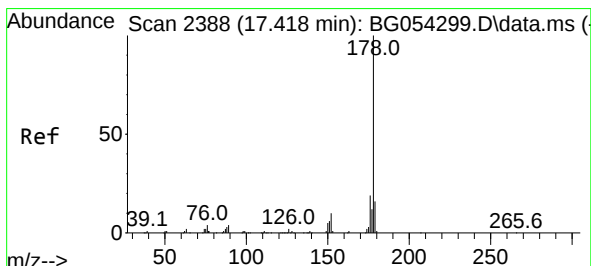
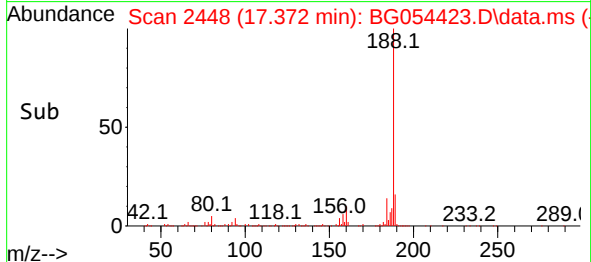
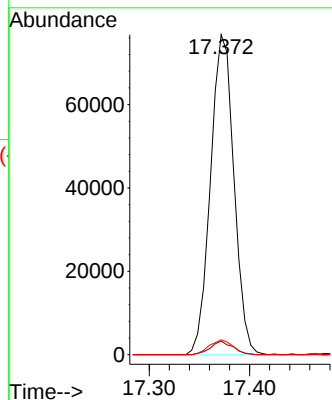
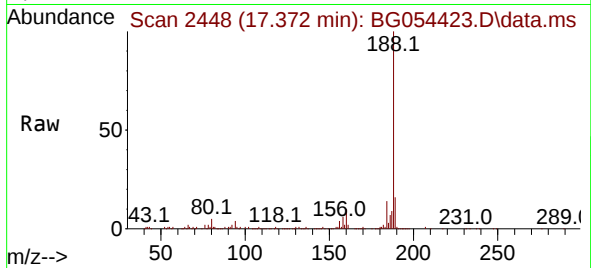
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.372 min Scan# 2448
Delta R.T. 0.000 min
Lab File: BG054423.D
Acq: 27 Jul 2022 19:53

Instrument :
BNA_G
ClientSampleId :
NB-7-7-26-22

Tgt Ion:188 Resp: 124458
Ion Ratio Lower Upper
188 100
94 4.3 5.4 8.0
80 4.6 6.8 10.2

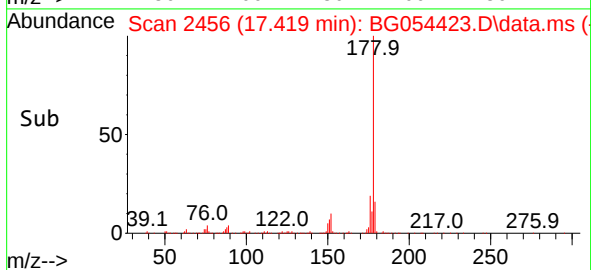
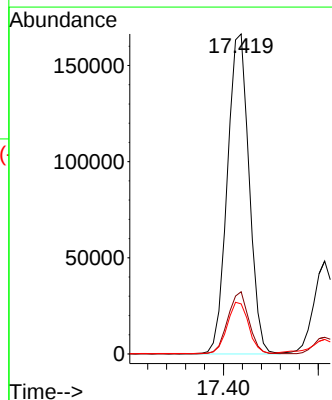
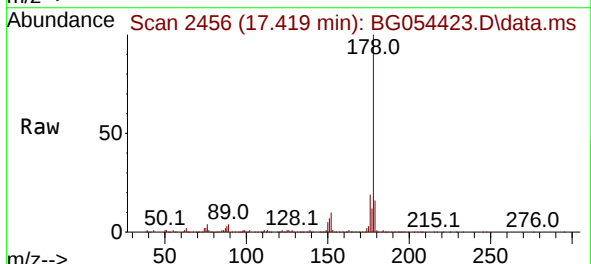
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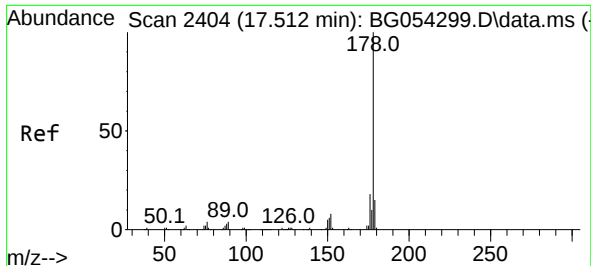
Reviewed By :Christian Giraldo 07/28/2022
Supervised By :Jagrut Upadhyay 07/28/2022



#71
Phenanthrene
Concen: 42.792 ng
RT: 17.419 min Scan# 2456
Delta R.T. 0.006 min
Lab File: BG054423.D
Acq: 27 Jul 2022 19:53

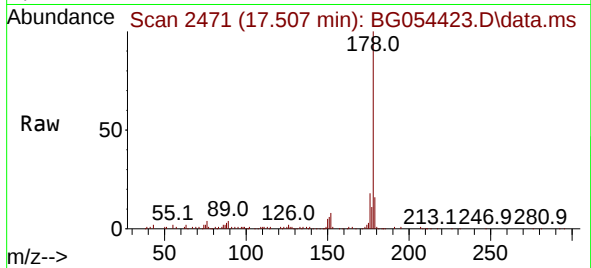
Tgt Ion:178 Resp: 265219
Ion Ratio Lower Upper
178 100
176 19.4 14.1 21.1
179 15.7 12.1 18.1





#72
 Anthracene
 Concen: 12.175 ng
 RT: 17.507 min Scan# 2404
 Delta R.T. 0.006 min
 Lab File: BG054423.D
 Acq: 27 Jul 2022 19:53

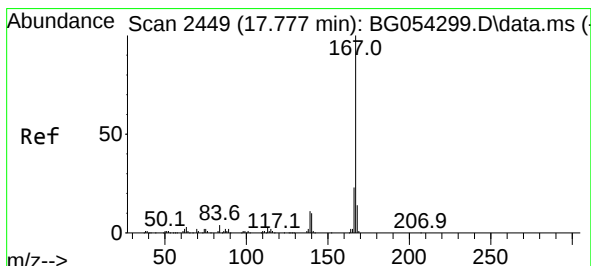
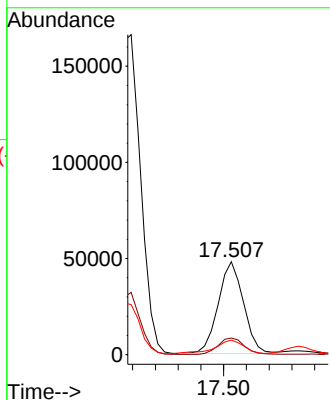
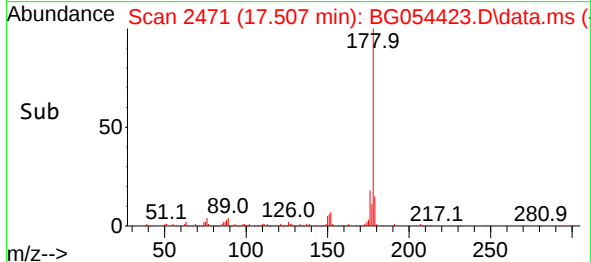
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 NB-7-7-26-22



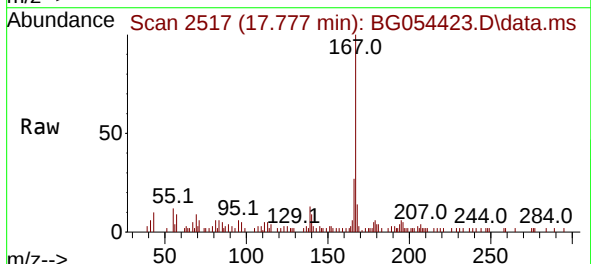
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 Ion Ratio Lower Upper
 178 100
 176 17.9 15.2 22.8
 179 15.7 13.0 19.4

Manual Integrations
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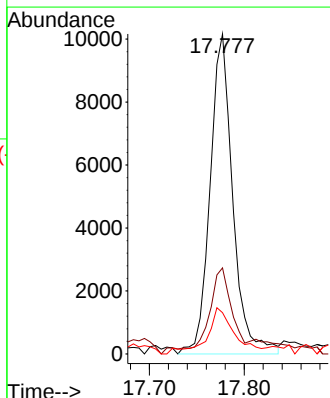
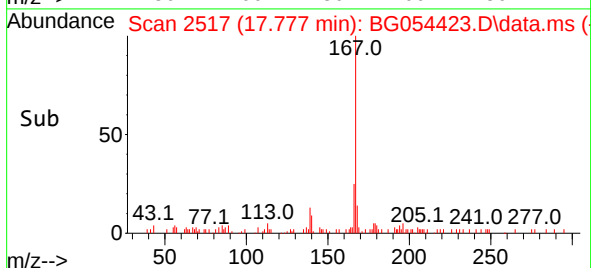
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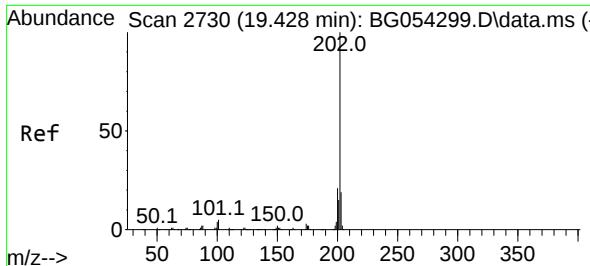


#73
 Carbazole
 Concen: 3.372 ng
 RT: 17.777 min Scan# 2517
 Delta R.T. 0.006 min
 Lab File: BG054423.D
 Acq: 27 Jul 2022 19:53



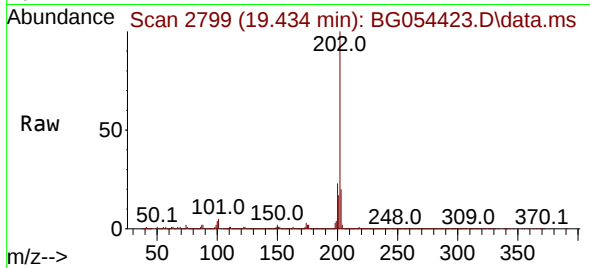
Tgt Ion:167 Resp: 16884
 Ion Ratio Lower Upper
 167 100
 166 26.9 18.2 27.2
 139 12.9 10.1 15.1





#75
Fluoranthene
Concen: 116.733 ng
RT: 19.434 min Scan# 21
Delta R.T. 0.012 min
Lab File: BG054423.D
Acq: 27 Jul 2022 19:53

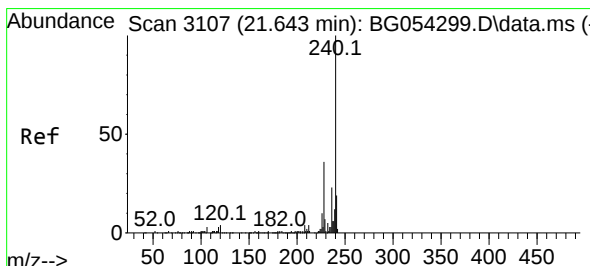
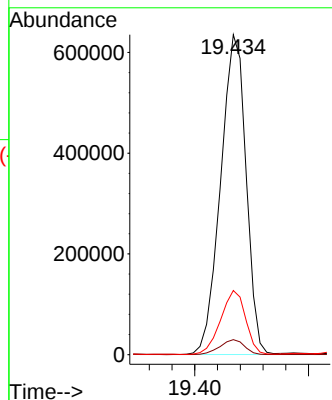
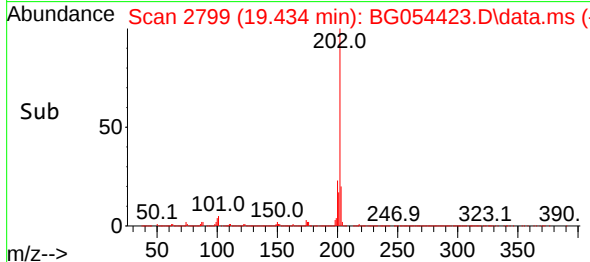
Instrument :
BNA_G
ClientSampleId :
NB-7-7-26-22



Tgt Ion:202 Resp: 986250
Ion Ratio Lower Upper
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101 4.7 0.0 26.9
203 20.1 0.0 37.2

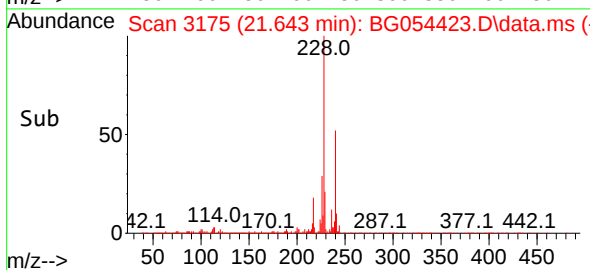
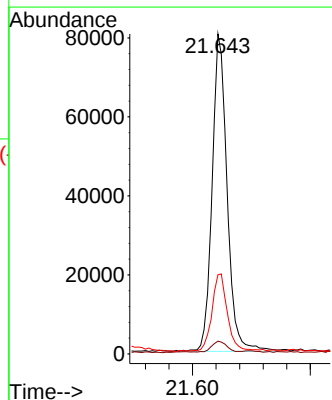
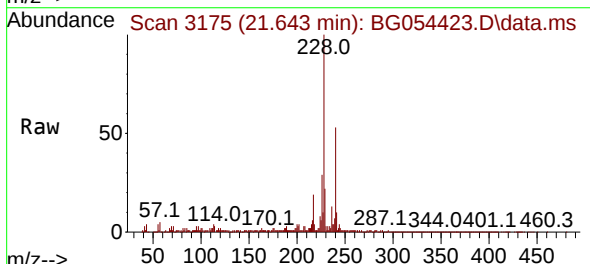
Manual Integrations
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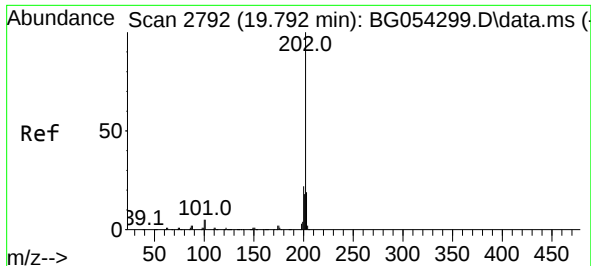
Reviewed By :Christian Giraldo 07/28/2022
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.643 min Scan# 3175
Delta R.T. 0.006 min
Lab File: BG054423.D
Acq: 27 Jul 2022 19:53

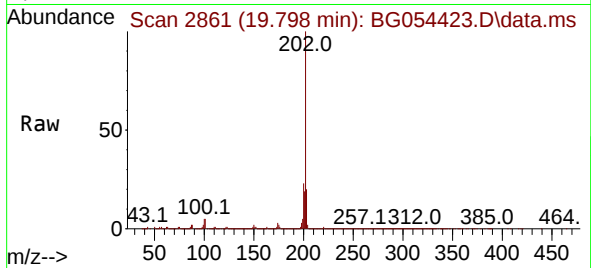
Tgt Ion:240 Resp: 142178
Ion Ratio Lower Upper
240 100
120 4.0 4.6 7.0#
236 24.8 20.2 30.4





#78
Pyrene
Concen: 108.794 ng
RT: 19.798 min Scan# 2861
Delta R.T. 0.012 min
Lab File: BG054423.D
Acq: 27 Jul 2022 19:53

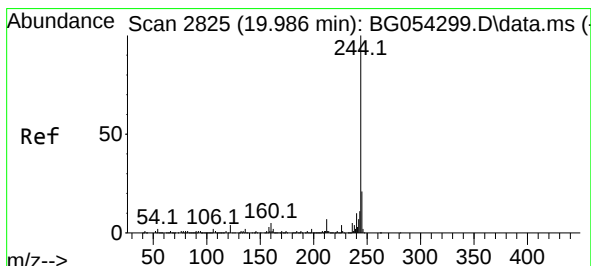
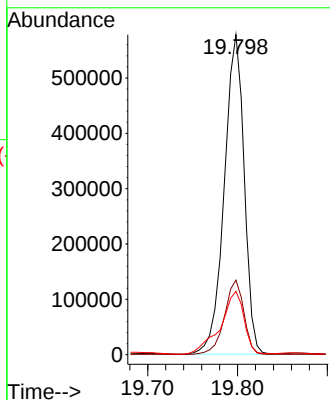
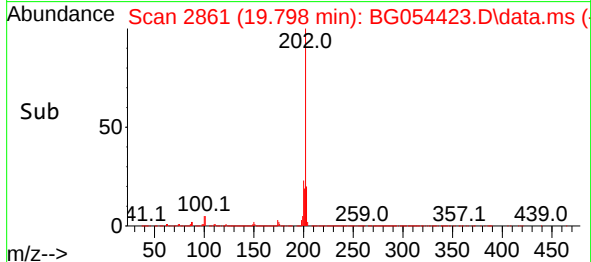
Instrument :
BNA_G
ClientSampleId :
NB-7-7-26-22



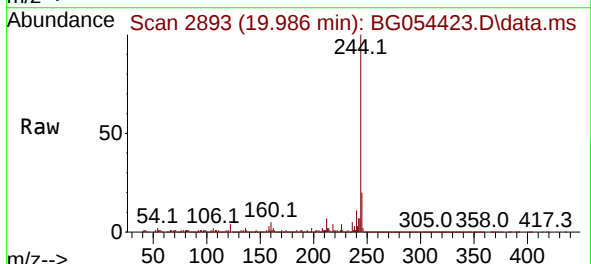
Tgt Ion:202 Resp: 887549
Ion Ratio Lower Upper
202 100
200 23.3 16.6 24.8
203 19.8 14.6 21.8

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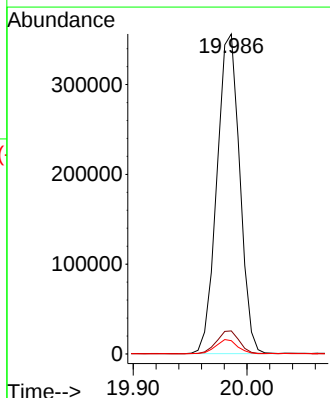
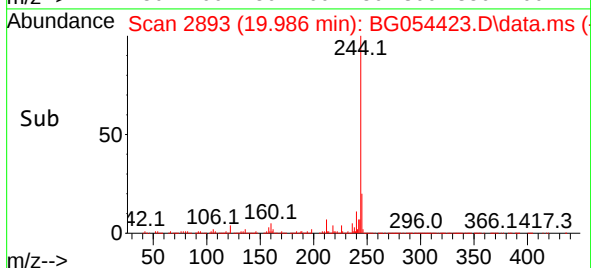
Reviewed By :Christian Giraldo 07/28/2022
Supervised By :Jagrut Upadhyay 07/28/2022

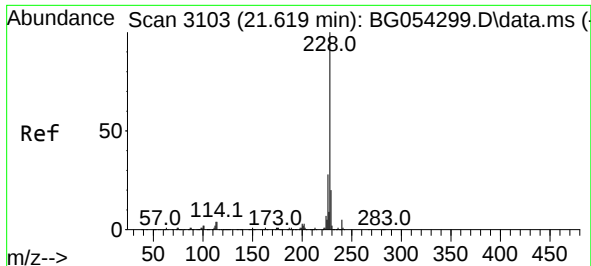


#79
Terphenyl-d14
Concen: 69.245 ng
RT: 19.986 min Scan# 2893
Delta R.T. 0.006 min
Lab File: BG054423.D
Acq: 27 Jul 2022 19:53



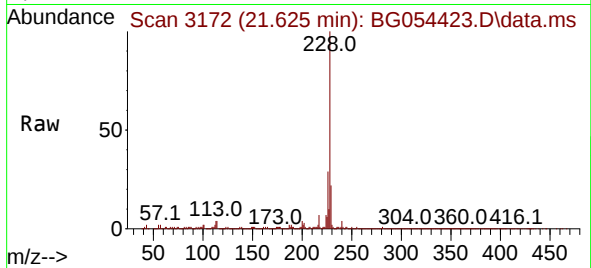
Tgt Ion:244 Resp: 496278
Ion Ratio Lower Upper
244 100
212 7.2 6.5 9.7
122 4.1 5.0 7.4





#81
Benzo(a)anthracene
Concen: 76.016 ng
RT: 21.625 min Scan# 3103
Delta R.T. 0.012 min
Lab File: BG054423.D
Acq: 27 Jul 2022 19:53

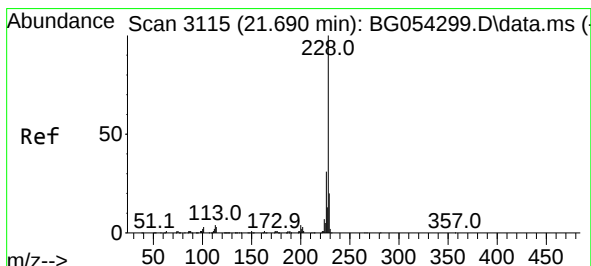
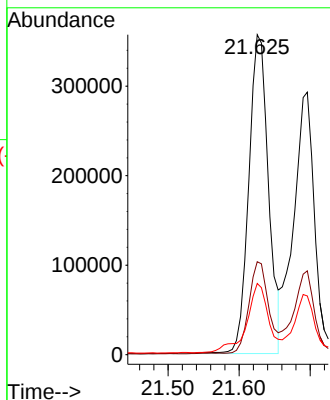
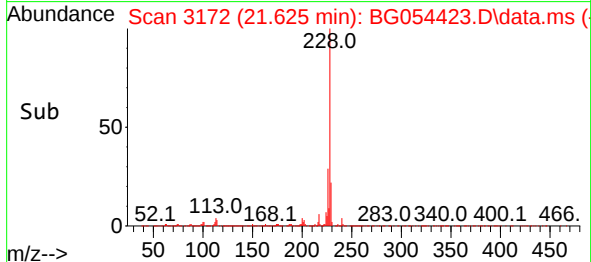
Instrument :
BNA_G
ClientSampleId :
NB-7-7-26-22



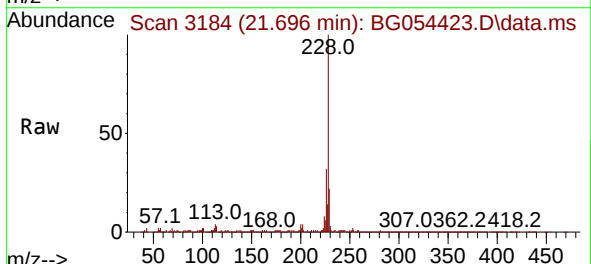
Tgt Ion:228 Resp: 686079
Ion Ratio Lower Upper
228 100
226 29.1 21.6 32.4
229 22.2 16.2 24.2

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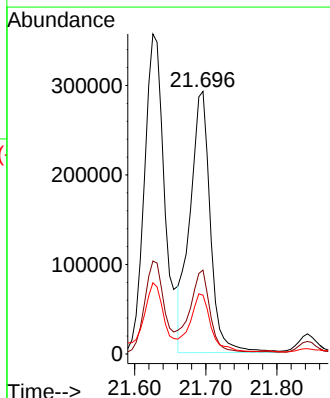
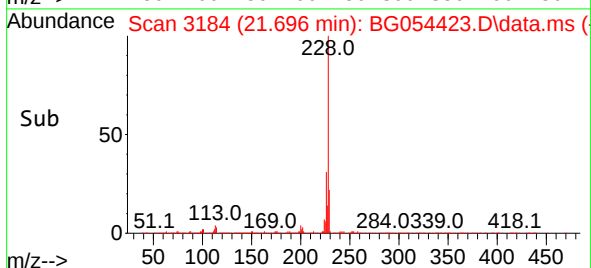
Reviewed By :Christian Giraldo 07/28/2022
Supervised By :Jagrut Upadhyay 07/28/2022

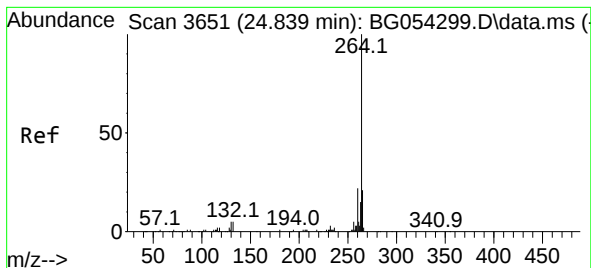


#83
Chrysene
Concen: 68.417 ng
RT: 21.696 min Scan# 3184
Delta R.T. 0.012 min
Lab File: BG054423.D
Acq: 27 Jul 2022 19:53



Tgt Ion:228 Resp: 583386
Ion Ratio Lower Upper
228 100
226 31.9 23.4 35.2
229 22.4 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.857 min Scan# 31

Delta R.T. 0.024 min

Lab File: BG054423.D

Acq: 27 Jul 2022 19:53

Instrument :

BNA_G

ClientSampleId :

NB-7-7-26-22

Tgt Ion:264 Resp: 11225

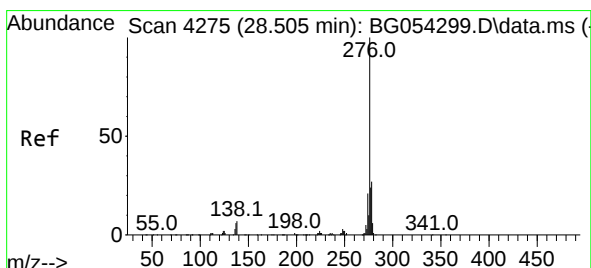
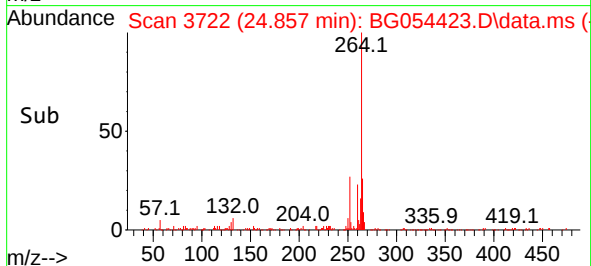
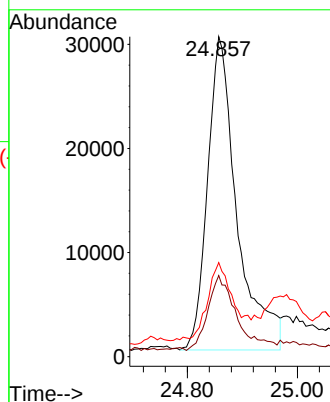
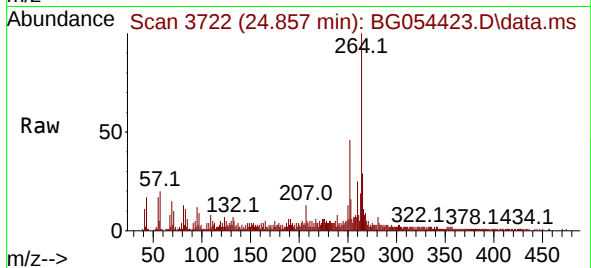
Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.0	28.6
265	29.4	17.4	26.2

Manual Integrations

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Reviewed By :Christian Giraldo 07/28/2022

Supervised By :Jagrut Upadhyay 07/28/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 23.314 ng

RT: 28.541 min Scan# 4349

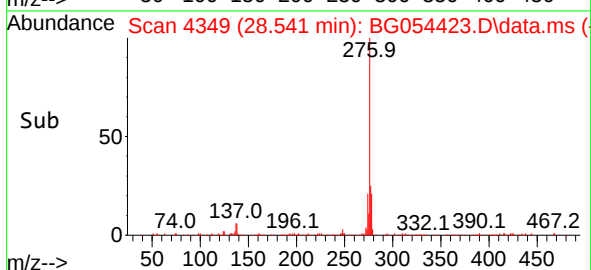
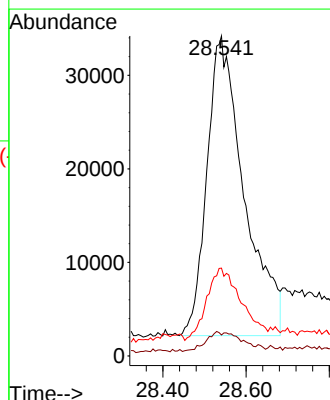
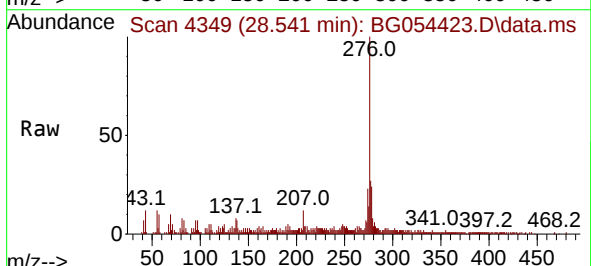
Delta R.T. 0.024 min

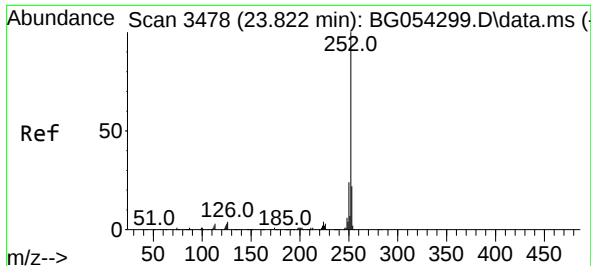
Lab File: BG054423.D

Acq: 27 Jul 2022 19:53

Tgt Ion:276 Resp: 199085

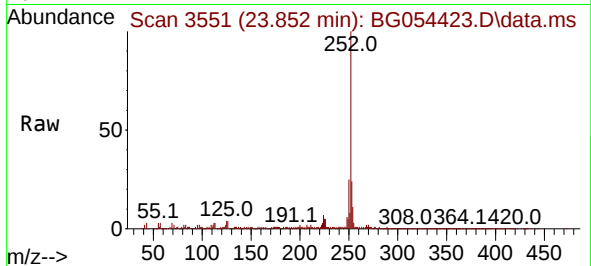
Ion	Ratio	Lower	Upper
276	100		
138	2.8	5.0	7.4
277	22.7	20.3	30.5





#88
Benzo(b)fluoranthene
Concen: 101.572 ng
RT: 23.852 min Scan# 31
Delta R.T. 0.030 min
Lab File: BG054423.D
Acq: 27 Jul 2022 19:53

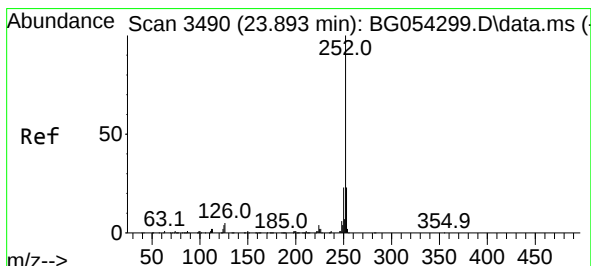
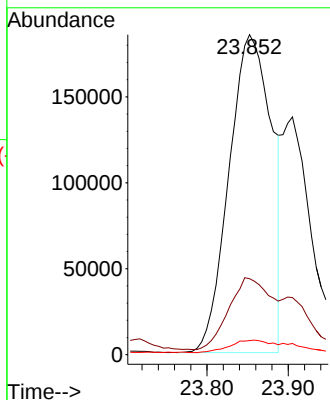
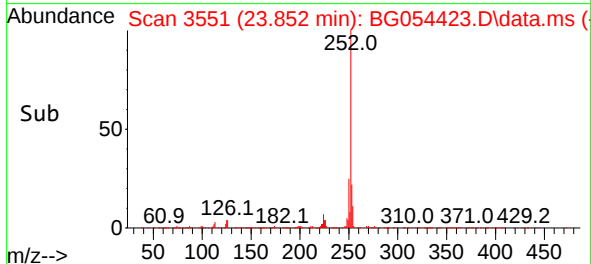
Instrument :
BNA_G
ClientSampleId :
NB-7-7-26-22



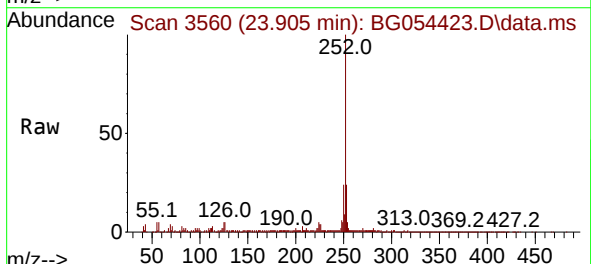
Tgt Ion:252 Resp: 67427
Ion Ratio Lower Upper
252 100
253 23.7 18.0 27.0
125 4.4 4.6 6.8

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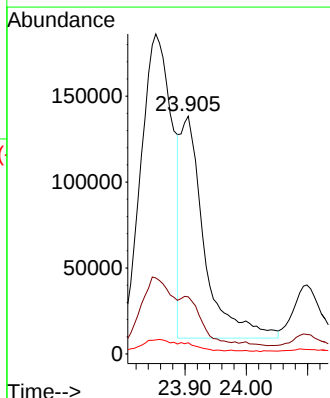
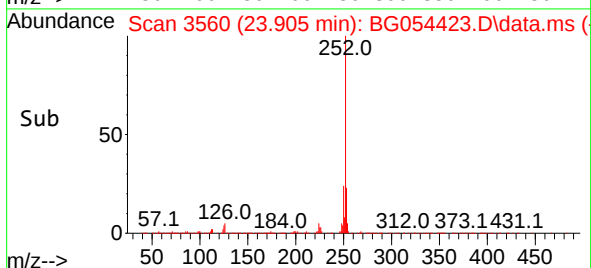
Reviewed By :Christian Giraldo 07/28/2022
Supervised By :Jagrut Upadhyay 07/28/2022

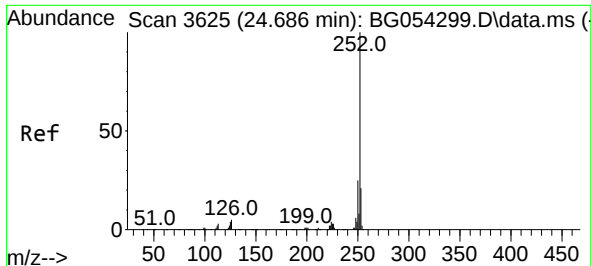


#89
Benzo(k)fluoranthene
Concen: 53.041 ng m
RT: 23.905 min Scan# 3560
Delta R.T. 0.018 min
Lab File: BG054423.D
Acq: 27 Jul 2022 19:53



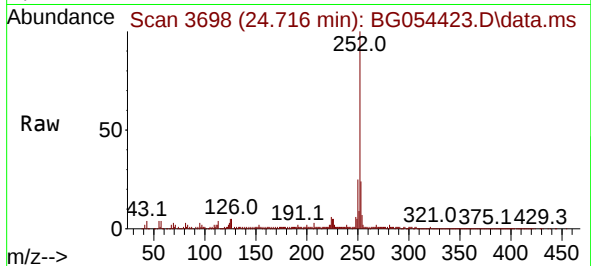
Tgt Ion:252 Resp: 350425
Ion Ratio Lower Upper
252 100
253 24.0 18.4 27.6
125 4.7 4.8 7.2





#90
Benzo(a)pyrene
Concen: 91.667 ng
RT: 24.716 min Scan# 30
Delta R.T. 0.030 min
Lab File: BG054423.D
Acq: 27 Jul 2022 19:53

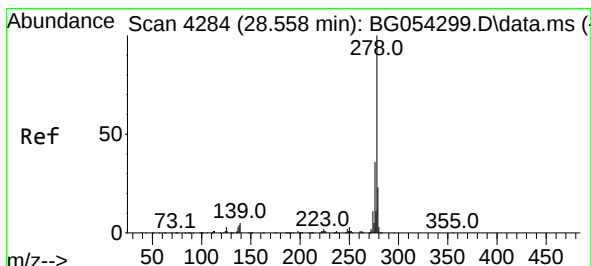
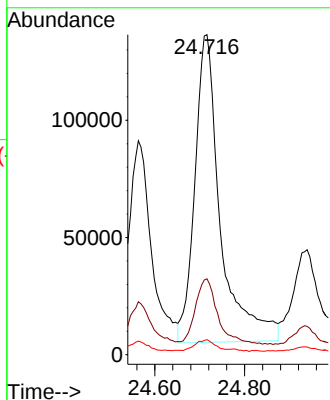
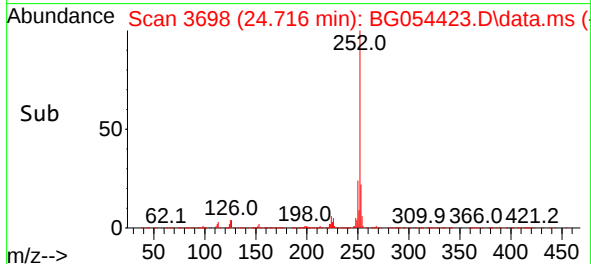
Instrument :
BNA_G
ClientSampleId :
NB-7-7-26-22



Tgt Ion:252 Resp: 51968
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 4.7 4.3 6.5

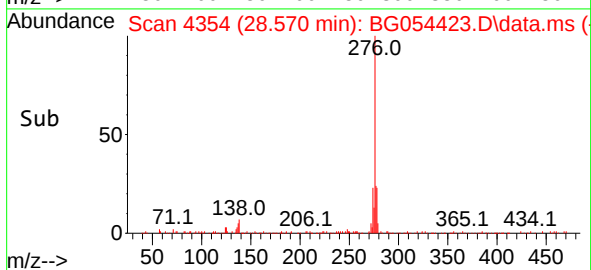
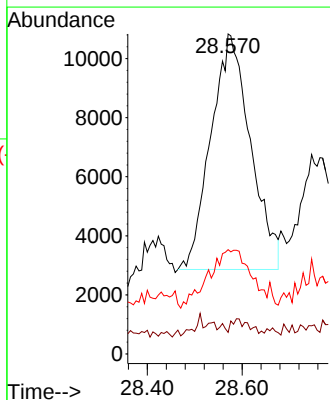
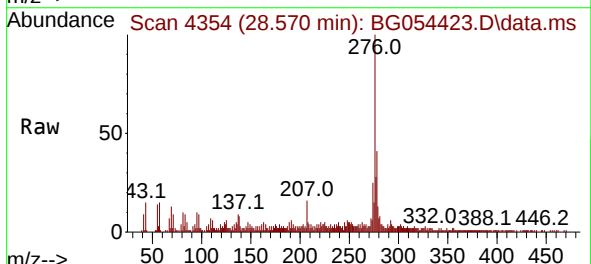
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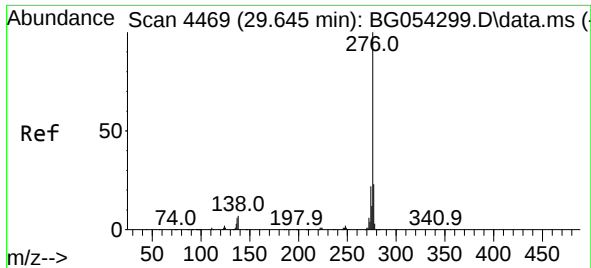
Reviewed By :Christian Giraldo 07/28/2022
Supervised By :Jagrut Upadhyay 07/28/2022



#91
Dibenzo(a,h)anthracene
Concen: 6.590 ng
RT: 28.570 min Scan# 4354
Delta R.T. 0.006 min
Lab File: BG054423.D
Acq: 27 Jul 2022 19:53

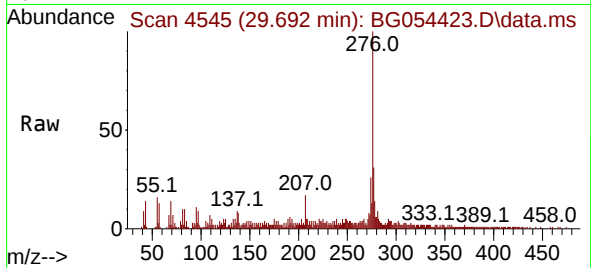
Tgt Ion:278 Resp: 46271
Ion Ratio Lower Upper
278 100
139 6.7 7.2 10.8#
279 32.6 18.6 27.8#





#92
 Benzo(g,h,i)perylene
 Concen: 23.737 ng
 RT: 29.692 min Scan# 4545
 Delta R.T. 0.030 min
 Lab File: BG054423.D
 Acq: 27 Jul 2022 19:53

Instrument :
 BNA_G
 ClientSampleId :
 NB-7-7-26-22



Tgt Ion: 276 Resp: 164509
 Ion Ratio Lower Upper
 276 100
 277 30.5 17.3 25.9
 138 7.8 9.6 14.4

Manual Integrations
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Reviewed By : Christian Giraldo 07/28/2022
 Supervised By : Jagrut Upadhyay 07/28/2022

