

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102622\
 Data File : BG055316.D
 Acq On : 27 Oct 2022 2:54
 Operator : CG/JU
 Sample : N5238-05 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RBR-251375

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/27/2022
 Supervised By : Jagrut Upadhyay 10/27/2022

Quant Time: Oct 27 10:46:54 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 24 16:54:05 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.276	152	53067	20.000	ng	0.00
21) Naphthalene-d8	11.108	136	216889	20.000	ng	0.00
39) Acenaphthene-d10	14.892	164	125908	20.000	ng	0.00
64) Phenanthrene-d10	17.624	188	239204	20.000	ng	0.00
76) Chrysene-d12	21.907	240	219221	20.000	ng	0.00
86) Perylene-d12	25.327	264	163881	20.000	ng	# 0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.802	112	114482	37.774	ng	0.01
7) Phenol-d6	7.418	99	159036	36.220	ng	0.00
23) Nitrobenzene-d5	9.451	82	99916	23.524	ng	0.00
42) 2,4,6-Tribromophenol	16.366	330	50786	37.104	ng	0.00
45) 2-Fluorobiphenyl	13.517	172	203075	26.399	ng	0.00
79) Terphenyl-d14	20.197	244	267685	25.370	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.616	152	29222	2.486	ng	# 97
58) Fluorene	15.926	166	30230	3.232	ng	96
71) Phenanthrene	17.665	178	312866	24.525	ng	100
72) Anthracene	17.753	178	65786	5.275	ng	98
75) Fluoranthene	19.657	202	503622	33.880	ng	99
78) Pyrene	20.021	202	508355	33.831	ng	99
81) Benzo(a)anthracene	21.889	228	249224	16.930	ng	97
83) Chrysene	21.960	228	252373	18.048	ng	97
87) Indeno(1,2,3-cd)pyrene	29.251	276	73399	6.064	ng	# 88
88) Benzo(b)fluoranthene	24.234	252	242904	24.641	ng	# 89
89) Benzo(k)fluoranthene	24.292	252	126292m	12.688	ng	
90) Benzo(a)pyrene	25.162	252	168597	19.944	ng	# 94
92) Benzo(g,h,i)perylene	30.479	276	85365	8.665	ng	# 84

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

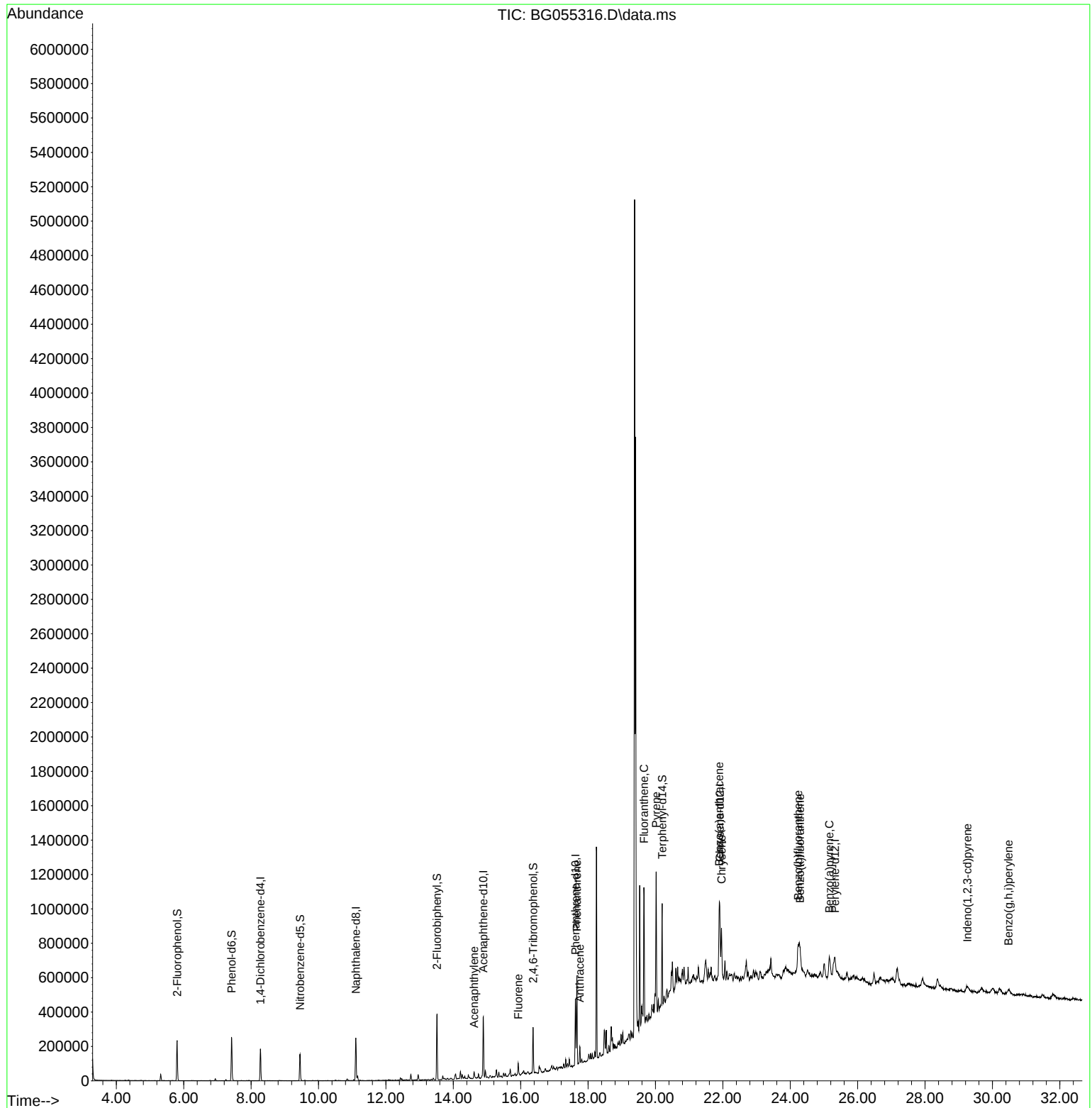
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102622\
Data File : BG055316.D
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ALS Vial : 17 Sample Multiplier: 1

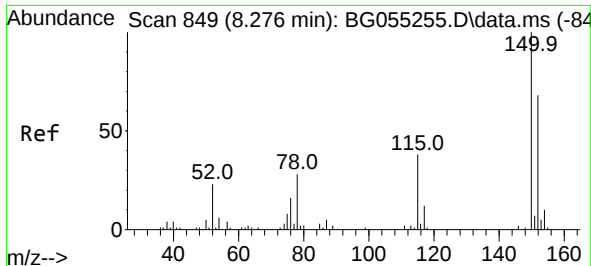
Instrument :
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ClientSampleId :
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Quant Time: Oct 27 10:46:54 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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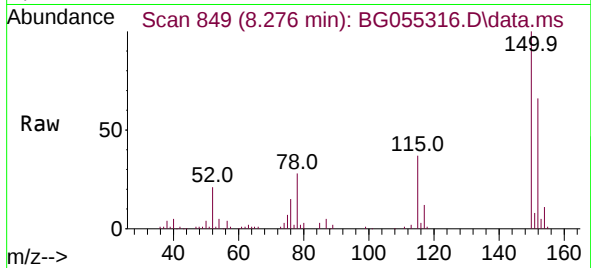
Reviewed By :Christian Giraldo 10/27/2022
Supervised By :Jagrut Upadhyay 10/27/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.276 min Scan# 849
Delta R.T. -0.000 min
Lab File: BG055316.D
Acq: 27 Oct 2022 2:54

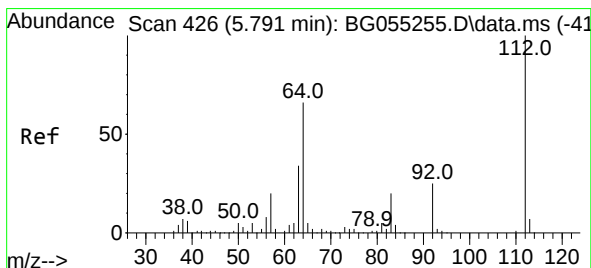
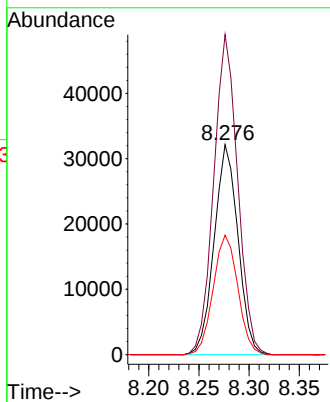
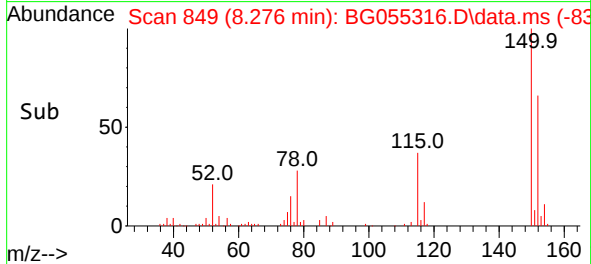
Instrument :
BNA_G
ClientSampleId :
RBR-251375



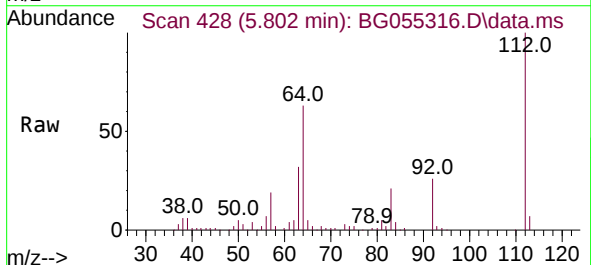
Tgt Ion:152 Resp: 53062
Ion Ratio Lower Upper
152 100
150 152.4 118.2 177.4
115 56.9 44.5 66.7

Manual Integrations
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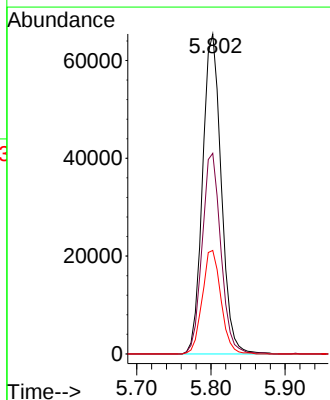
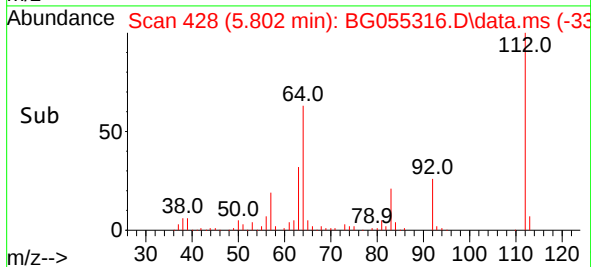
Reviewed By :Christian Giraldo 10/27/2022
Supervised By :Jagrut Upadhyay 10/27/2022

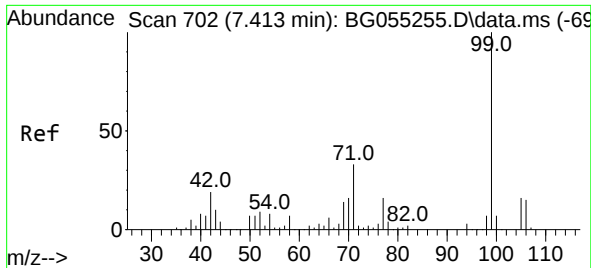


#5
2-Fluorophenol
Concen: 37.774 ng
RT: 5.802 min Scan# 428
Delta R.T. 0.011 min
Lab File: BG055316.D
Acq: 27 Oct 2022 2:54



Tgt Ion:112 Resp: 114482
Ion Ratio Lower Upper
112 100
64 62.7 52.6 78.8
63 32.3 27.1 40.7





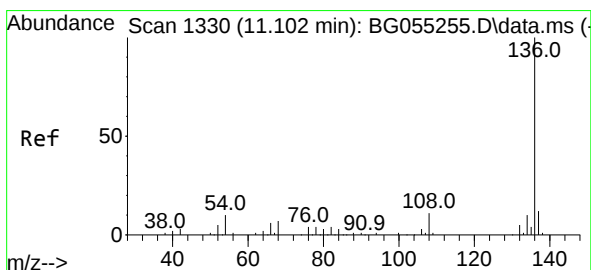
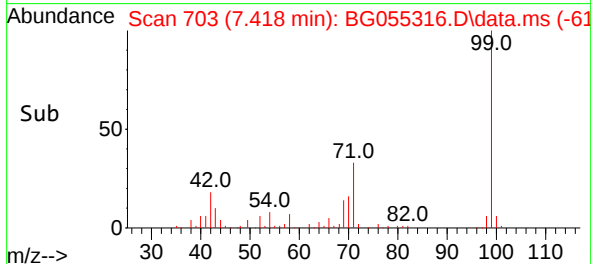
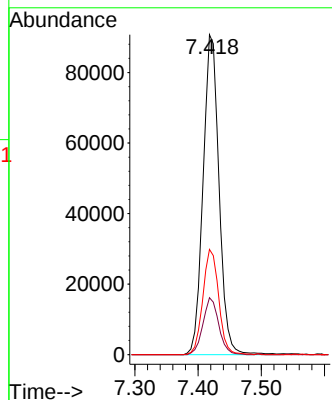
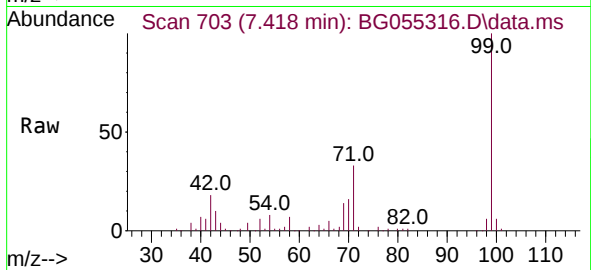
#7
Phenol-d6
Concen: 36.220 ng
RT: 7.418 min Scan# 702
Delta R.T. 0.006 min
Lab File: BG055316.D
Acq: 27 Oct 2022 2:54

Instrument :
BNA_G
ClientSampleId :
RBR-251375

Tgt Ion: 99 Resp: 159036
Ion Ratio Lower Upper
99 100
42 17.8 15.2 22.8
71 32.9 26.2 39.4

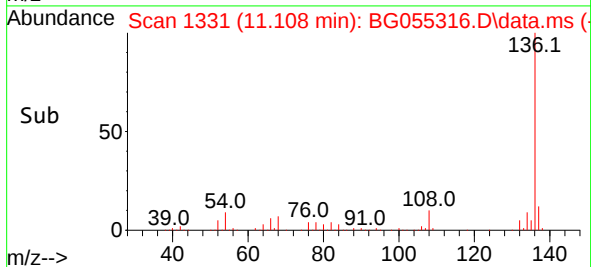
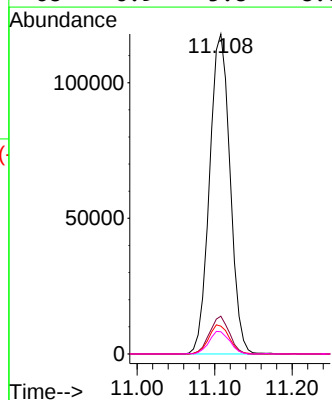
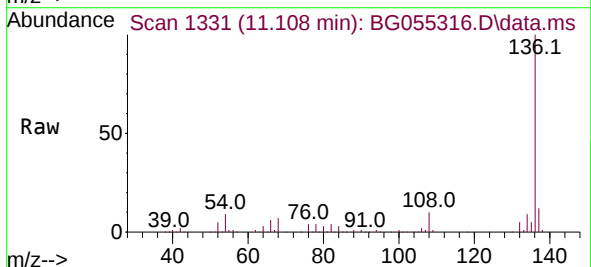
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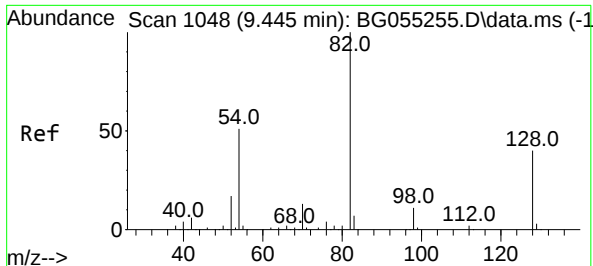
Reviewed By :Christian Giraldo 10/27/2022
Supervised By :Jagrut Upadhyay 10/27/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.108 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BG055316.D
Acq: 27 Oct 2022 2:54

Tgt Ion:136 Resp: 216889
Ion Ratio Lower Upper
136 100
137 11.8 9.2 13.8
54 8.7 7.8 11.8
68 6.9 5.8 8.6





#23

Nitrobenzene-d5

Concen: 23.524 ng

RT: 9.451 min Scan# 1049

Delta R.T. 0.006 min

Lab File: BG055316.D

Acq: 27 Oct 2022 2:54

Instrument :

BNA_G

ClientSampleId :

RBR-251375

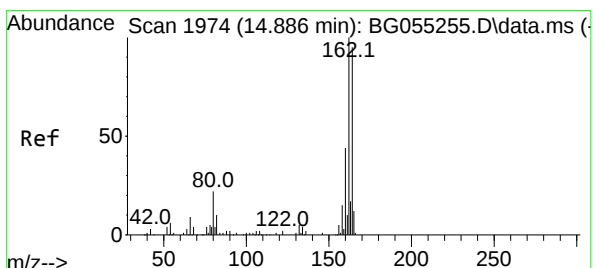
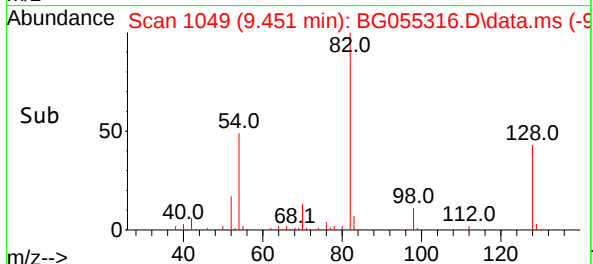
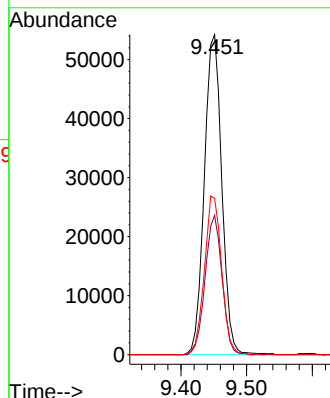
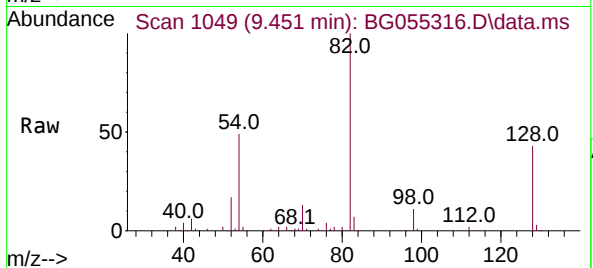
Tgt Ion: 82	Resp: 99916
Ion Ratio	Lower Upper
82 100	
128 43.5	32.0 48.0
54 48.8	40.9 61.3

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

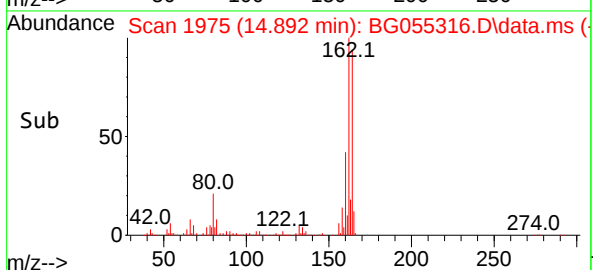
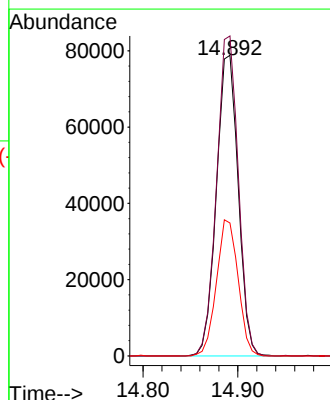
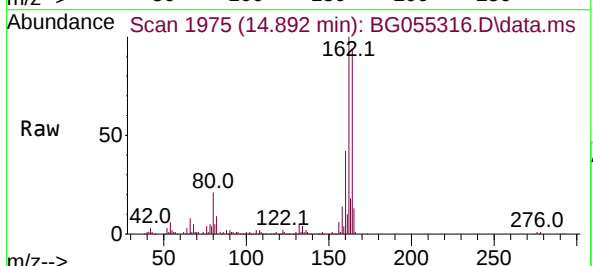
RT: 14.892 min Scan# 1975

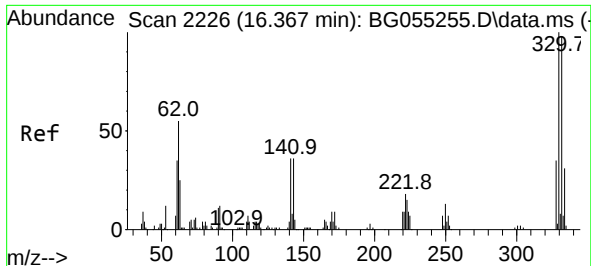
Delta R.T. 0.006 min

Lab File: BG055316.D

Acq: 27 Oct 2022 2:54

Tgt Ion:164	Resp: 125908
Ion Ratio	Lower Upper
164 100	
162 106.5	84.0 126.0
160 44.2	36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 37.104 ng
RT: 16.366 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG055316.D
Acq: 27 Oct 2022 2:54

Instrument :

BNA_G

ClientSampleId :

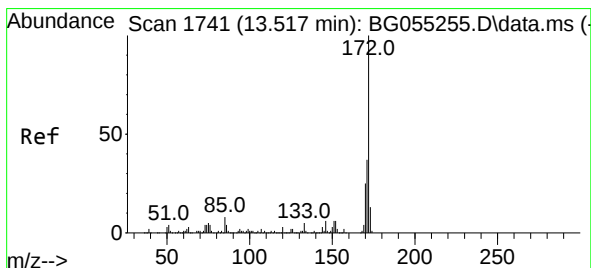
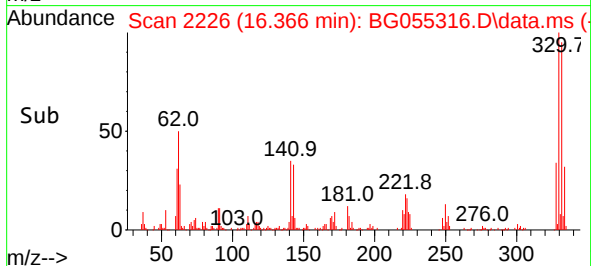
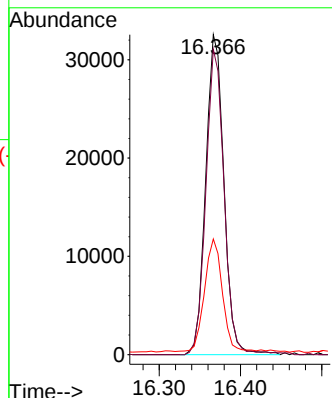
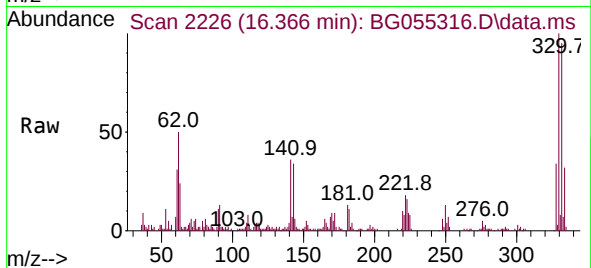
RBR-251375

Tgt Ion:330 Resp: 50786
Ion Ratio Lower Upper
330 100
332 95.6 77.4 116.0
141 33.8 29.8 44.8

Manual Integrations

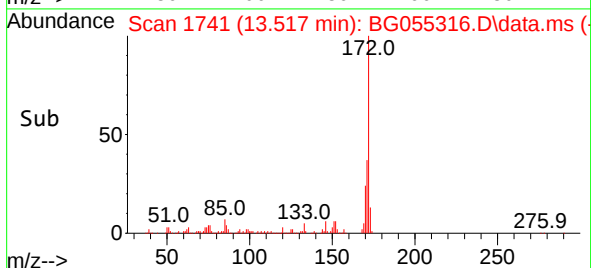
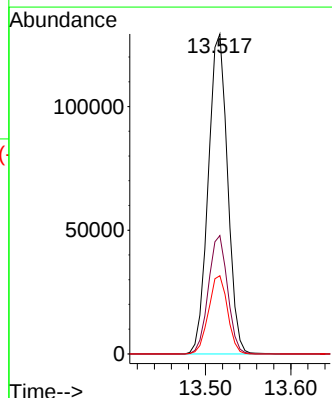
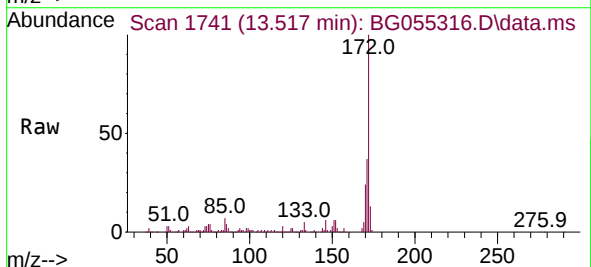
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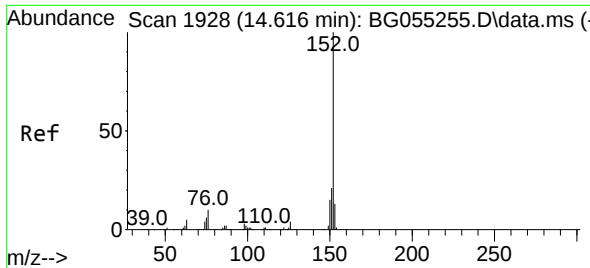
Reviewed By :Christian Giraldo 10/27/2022
Supervised By :Jagrut Upadhyay 10/27/2022



#45
2-Fluorobiphenyl
Concen: 26.399 ng
RT: 13.517 min Scan# 1741
Delta R.T. -0.000 min
Lab File: BG055316.D
Acq: 27 Oct 2022 2:54

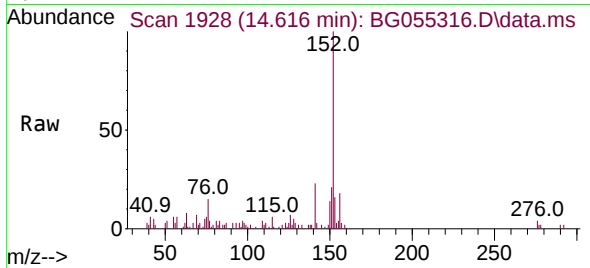
Tgt Ion:172 Resp: 203075
Ion Ratio Lower Upper
172 100
171 37.0 29.7 44.5
170 24.4 20.2 30.2





#49
Acenaphthylene
Concen: 2.486 ng
RT: 14.616 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BG055316.D
Acq: 27 Oct 2022 2:54

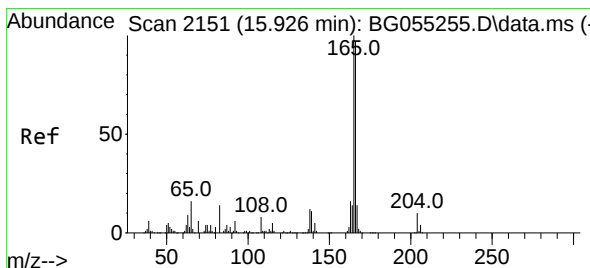
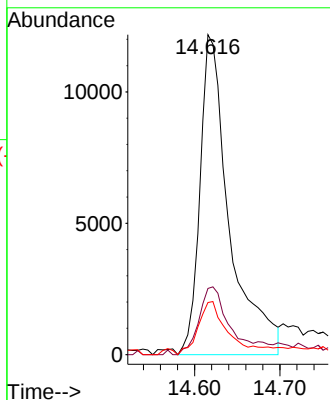
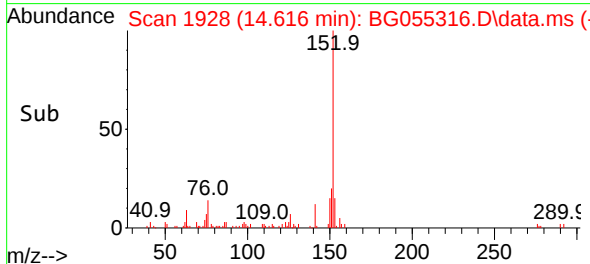
Instrument :
BNA_G
ClientSampleId :
RBR-251375



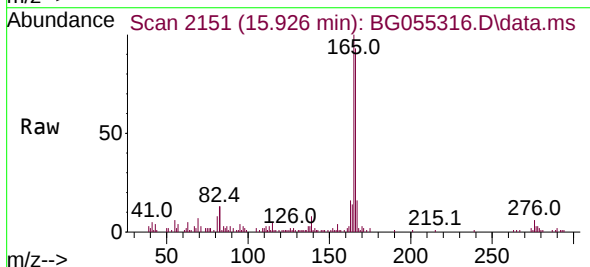
Tgt Ion:152 Resp: 2922
Ion Ratio Lower Upper
152 100
151 20.7 16.6 25.0
153 16.3 10.5 15.7

Manual Integrations
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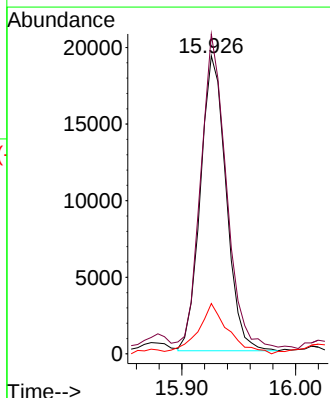
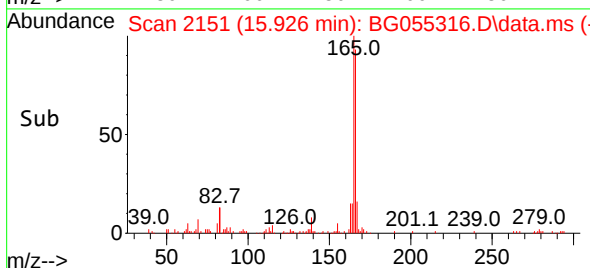
Reviewed By :Christian Giraldo 10/27/2022
Supervised By :Jagrut Upadhyay 10/27/2022

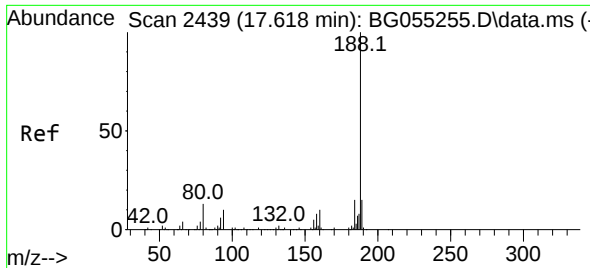


#58
Fluorene
Concen: 3.232 ng
RT: 15.926 min Scan# 2151
Delta R.T. -0.000 min
Lab File: BG055316.D
Acq: 27 Oct 2022 2:54



Tgt Ion:166 Resp: 30230
Ion Ratio Lower Upper
166 100
165 107.4 82.4 123.6
167 16.9 11.5 17.3





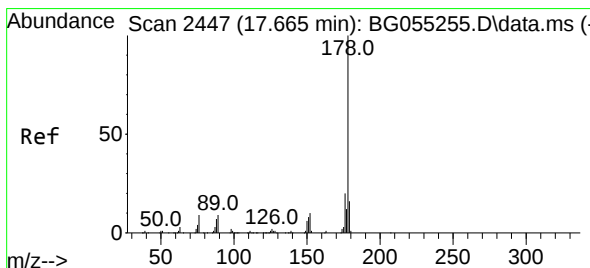
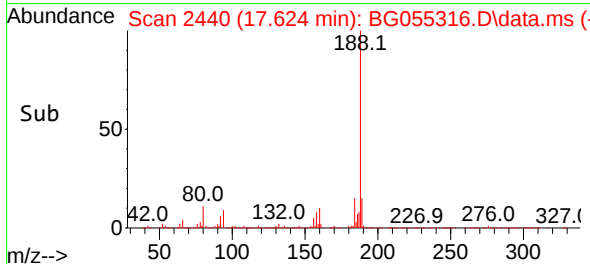
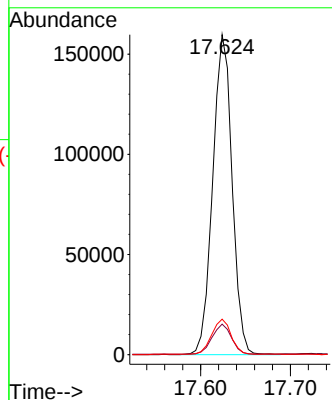
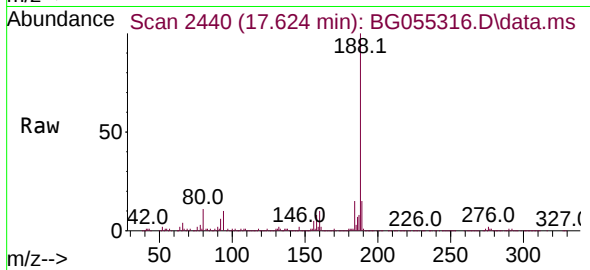
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.624 min Scan# 2439
Delta R.T. 0.006 min
Lab File: BG055316.D
Acq: 27 Oct 2022 2:54

Instrument :
BNA_G
ClientSampleId :
RBR-251375

Tgt Ion:188 Resp: 239204
Ion Ratio Lower Upper
188 100
94 9.6 8.2 12.4
80 11.1 10.1 15.1

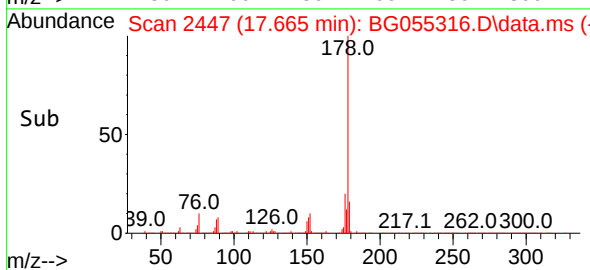
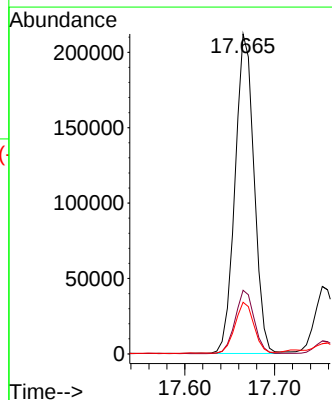
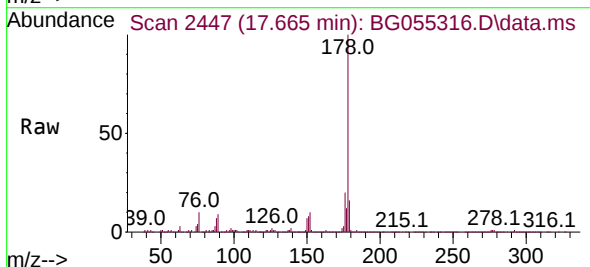
Manual Integrations
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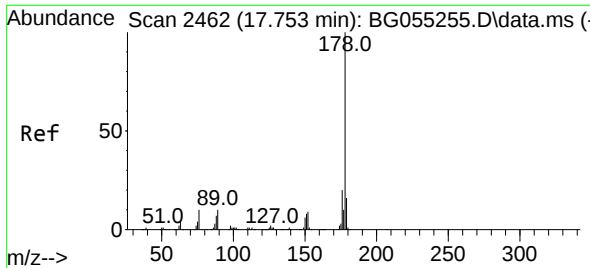
Reviewed By :Christian Giraldo 10/27/2022
Supervised By :Jagrut Upadhyay 10/27/2022



#71
Phenanthrene
Concen: 24.525 ng
RT: 17.665 min Scan# 2447
Delta R.T. -0.000 min
Lab File: BG055316.D
Acq: 27 Oct 2022 2:54

Tgt Ion:178 Resp: 312866
Ion Ratio Lower Upper
178 100
176 19.9 16.0 24.0
179 16.1 12.6 19.0





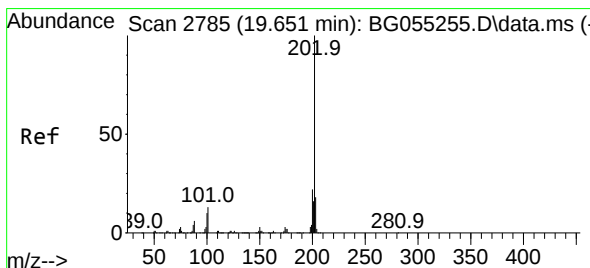
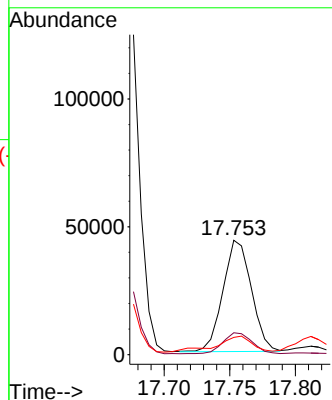
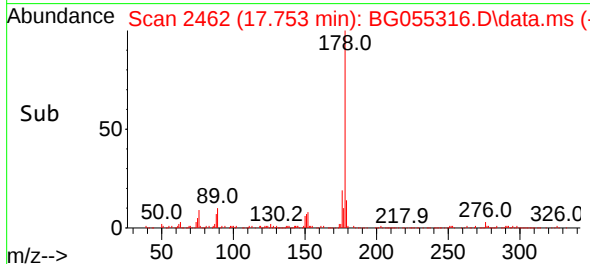
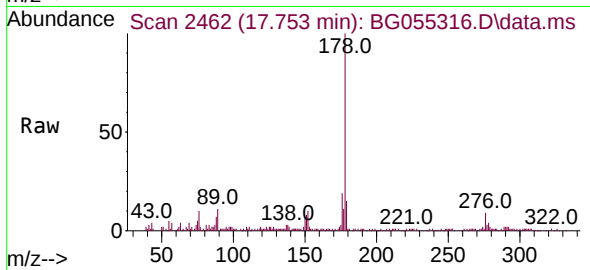
#72
 Anthracene
 Concen: 5.275 ng
 RT: 17.753 min Scan# 2462
 Delta R.T. -0.000 min
 Lab File: BG055316.D
 Acq: 27 Oct 2022 2:54

Instrument :
 BNA_G
 ClientSampleId :
 RBR-251375

Tgt Ion:178 Resp: 65786
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.7 23.5
 179 15.1 12.9 19.3

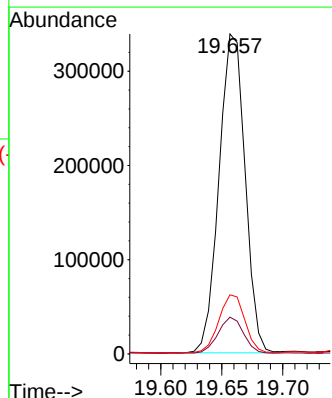
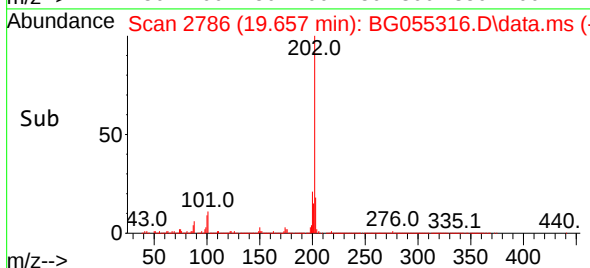
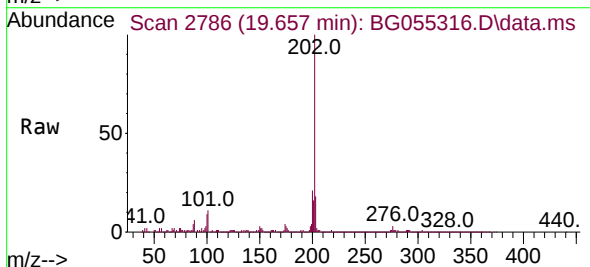
Manual Integrations
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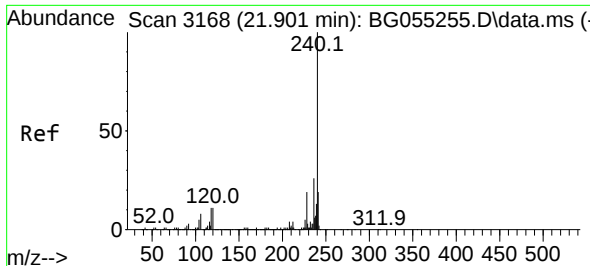
Reviewed By :Christian Giraldo 10/27/2022
 Supervised By :Jagrut Upadhyay 10/27/2022



#75
 Fluoranthene
 Concen: 33.880 ng
 RT: 19.657 min Scan# 2786
 Delta R.T. 0.006 min
 Lab File: BG055316.D
 Acq: 27 Oct 2022 2:54

Tgt Ion:202 Resp: 503622
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 32.6
 203 18.5 0.0 38.3





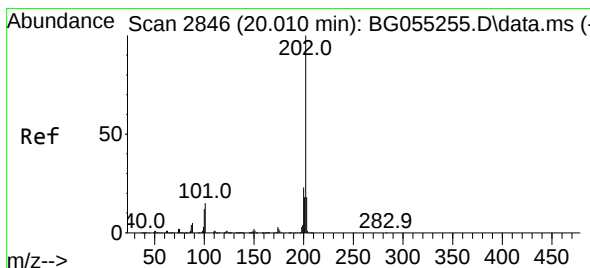
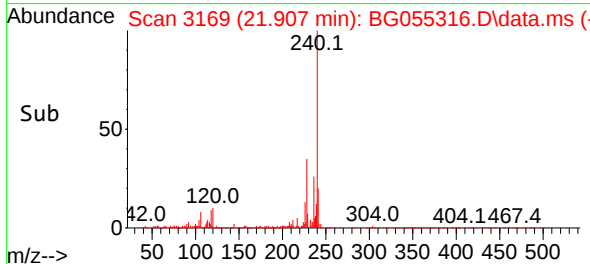
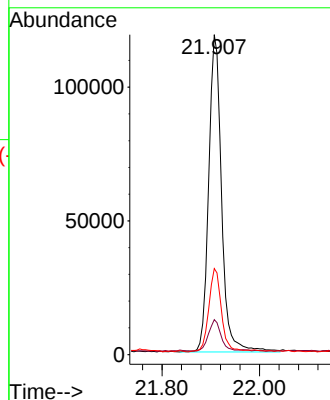
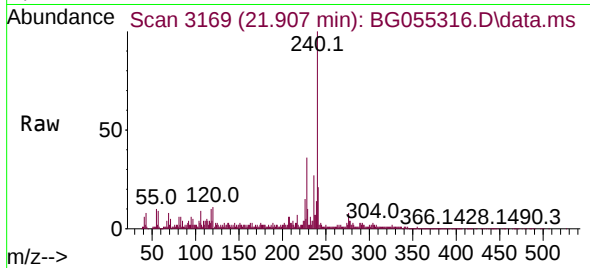
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.907 min Scan# 3168
Delta R.T. 0.006 min
Lab File: BG055316.D
Acq: 27 Oct 2022 2:54

Instrument :
BNA_G
ClientSampleId :
RBR-251375

Tgt Ion:240 Resp: 21922
Ion Ratio Lower Upper
240 100
120 10.9 8.9 13.3
236 26.9 21.0 31.4

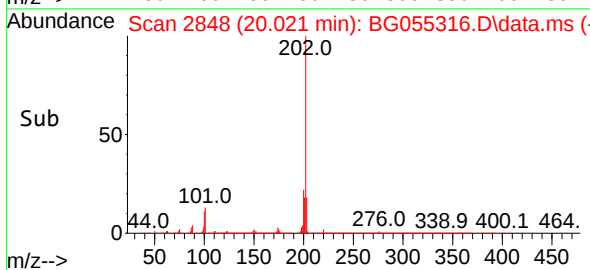
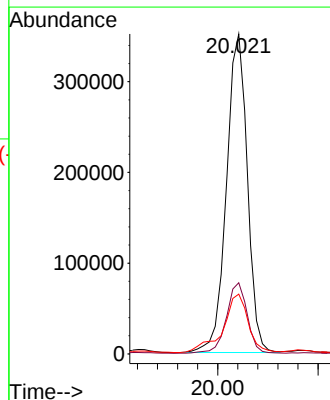
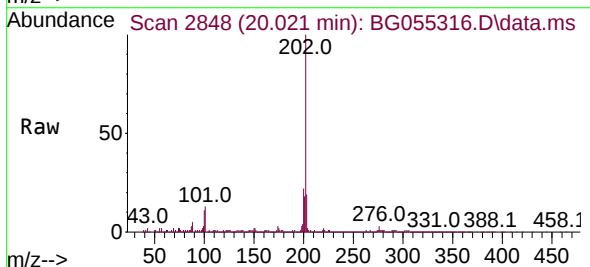
Manual Integrations
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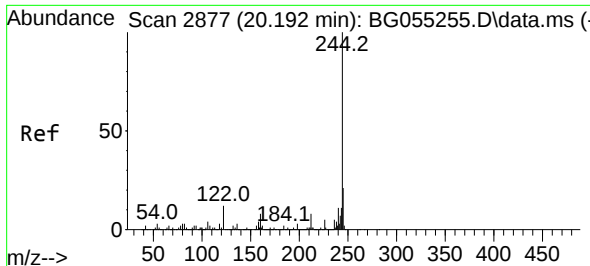
Reviewed By :Christian Giraldo 10/27/2022
Supervised By :Jagrut Upadhyay 10/27/2022



#78
Pyrene
Concen: 33.831 ng
RT: 20.021 min Scan# 2848
Delta R.T. 0.011 min
Lab File: BG055316.D
Acq: 27 Oct 2022 2:54

Tgt Ion:202 Resp: 508355
Ion Ratio Lower Upper
202 100
200 22.2 18.0 27.0
203 18.7 14.3 21.5





#79
Terphenyl-d14
Concen: 25.370 ng
RT: 20.197 min Scan# 2877
Delta R.T. 0.006 min
Lab File: BG055316.D
Acq: 27 Oct 2022 2:54

Instrument :

BNA_G

ClientSampleId :

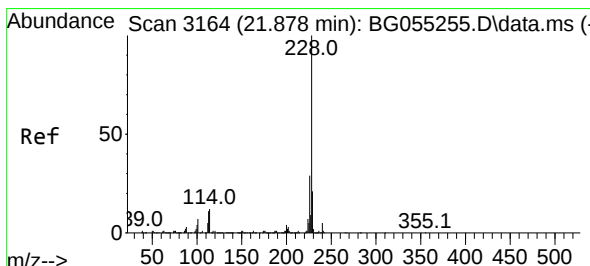
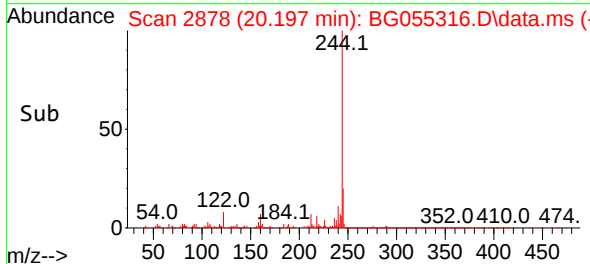
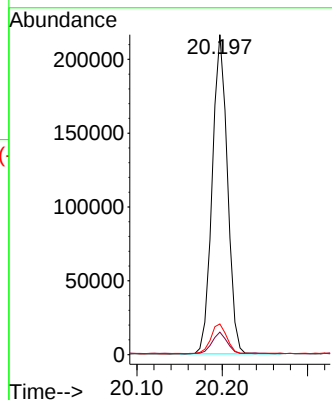
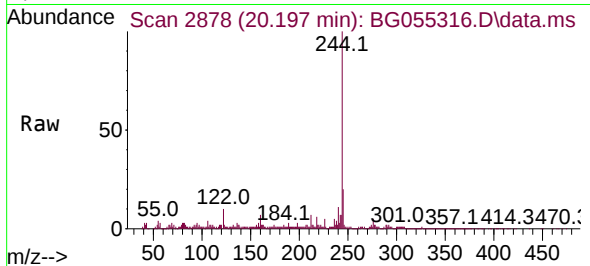
RBR-251375

Tgt Ion:244 Resp: 267685
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 9.6 9.6 14.4

Manual Integrations

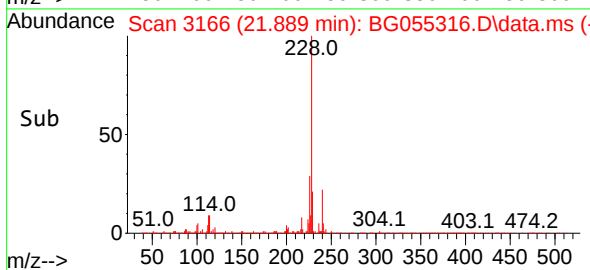
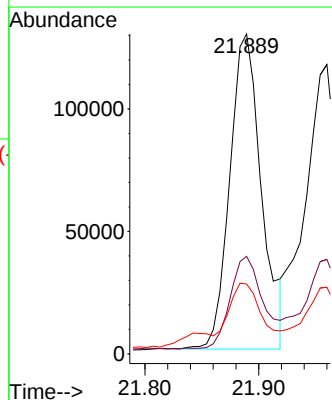
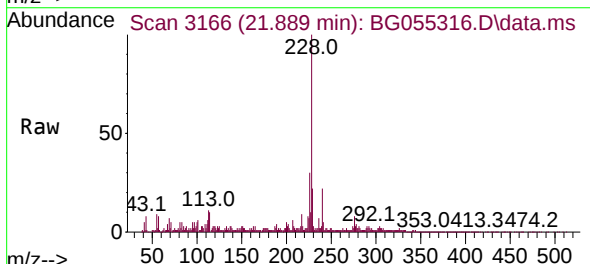
APPROVED

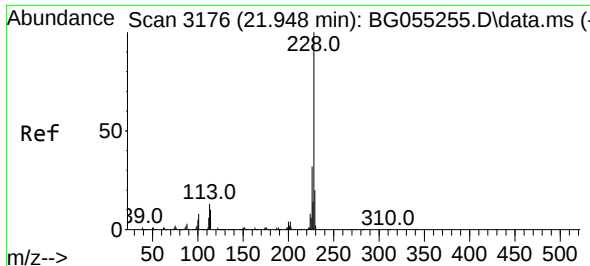
Reviewed By :Christian Giraldo 10/27/2022
Supervised By :Jagrut Upadhyay 10/27/2022



#81
Benzo(a)anthracene
Concen: 16.930 ng
RT: 21.889 min Scan# 3166
Delta R.T. 0.011 min
Lab File: BG055316.D
Acq: 27 Oct 2022 2:54

Tgt Ion:228 Resp: 249224
Ion Ratio Lower Upper
228 100
226 30.5 22.9 34.3
229 21.8 16.7 25.1





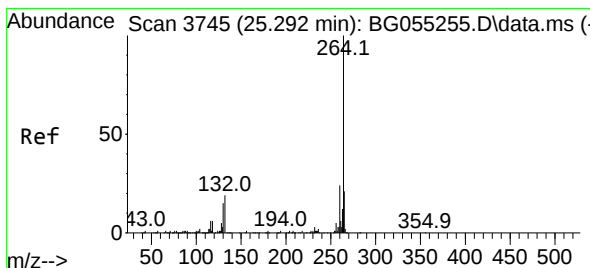
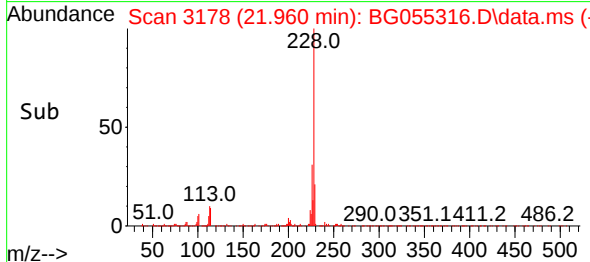
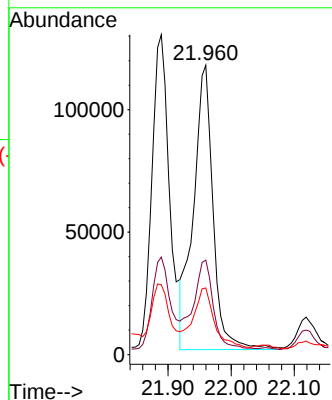
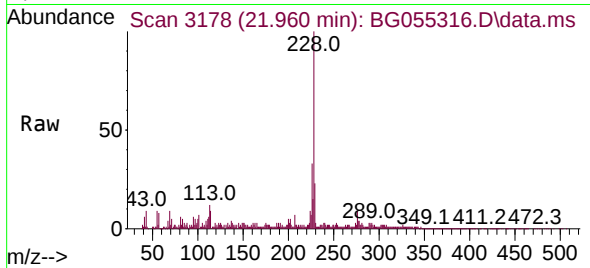
#83
Chrysene
Concen: 18.048 ng
RT: 21.960 min Scan# 3176
Delta R.T. 0.011 min
Lab File: BG055316.D
Acq: 27 Oct 2022 2:54

Instrument :
BNA_G
ClientSampleId :
RBR-251375

Tgt Ion:228 Resp: 252373
Ion Ratio Lower Upper
228 100
226 32.7 25.8 38.8
229 23.0 16.3 24.5

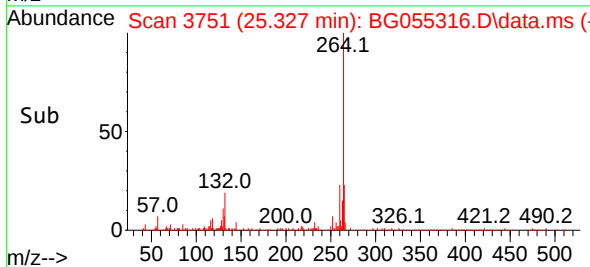
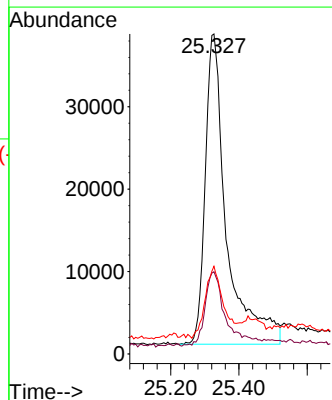
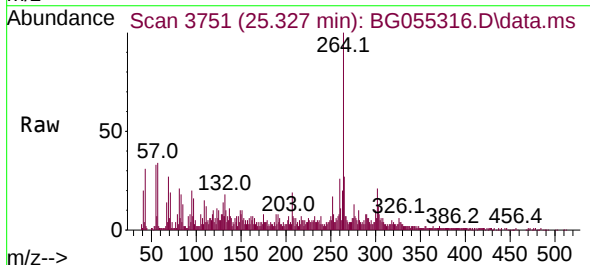
Manual Integrations
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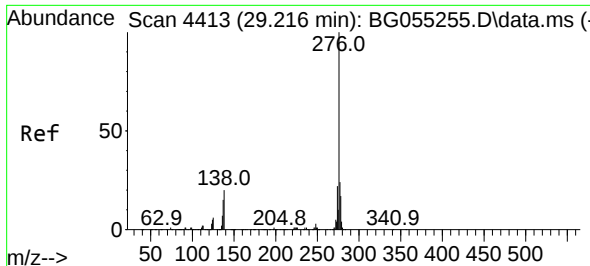
Reviewed By :Christian Giraldo 10/27/2022
Supervised By :Jagrut Upadhyay 10/27/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.327 min Scan# 3751
Delta R.T. 0.035 min
Lab File: BG055316.D
Acq: 27 Oct 2022 2:54

Tgt Ion:264 Resp: 163881
Ion Ratio Lower Upper
264 100
260 25.7 19.5 29.3
265 27.4 17.4 26.2#





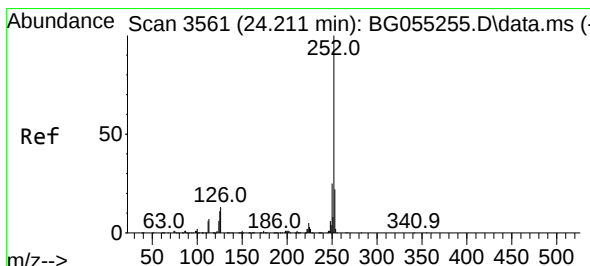
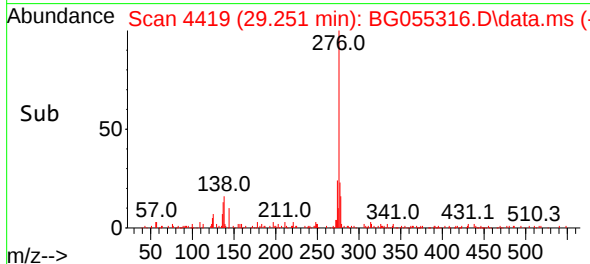
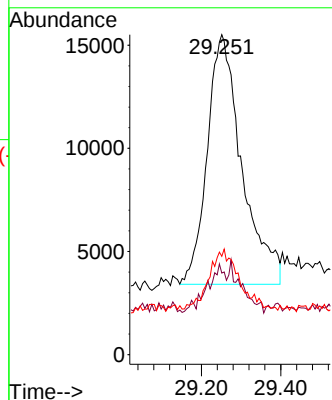
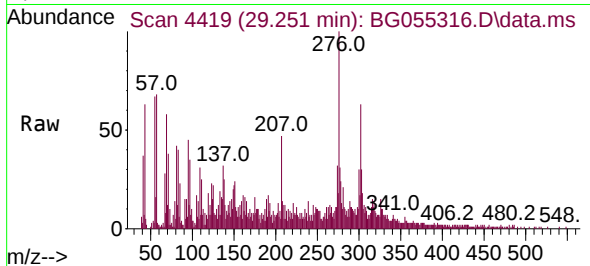
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.064 ng
 RT: 29.251 min Scan# 4413
 Delta R.T. 0.035 min
 Lab File: BG055316.D
 Acq: 27 Oct 2022 2:54

Instrument :
 BNA_G
 ClientSampleId :
 RBR-251375

Tgt Ion:276 Resp: 73395
 Ion Ratio Lower Upper
 276 100
 138 8.2 13.9 20.9#
 277 22.2 20.3 30.5

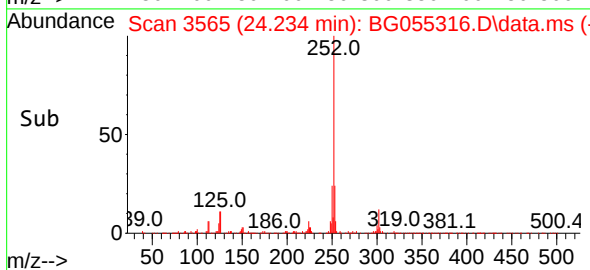
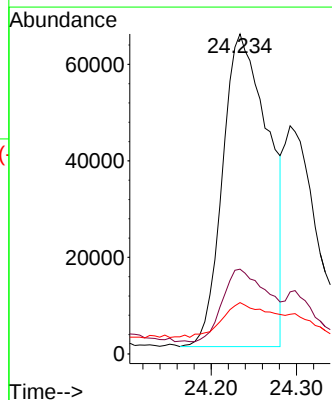
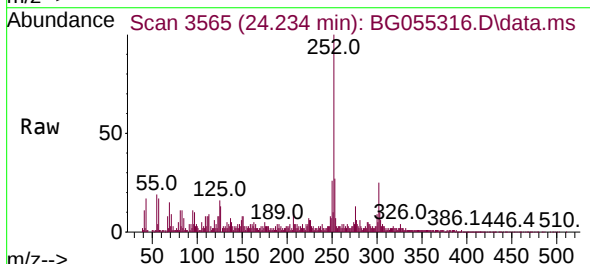
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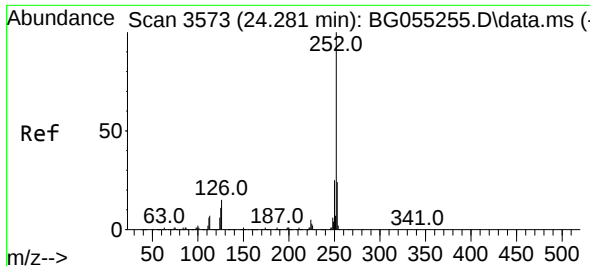
Reviewed By :Christian Giraldo 10/27/2022
 Supervised By :Jagrut Upadhyay 10/27/2022



#88
 Benzo(b)fluoranthene
 Concen: 24.641 ng
 RT: 24.234 min Scan# 3565
 Delta R.T. 0.023 min
 Lab File: BG055316.D
 Acq: 27 Oct 2022 2:54

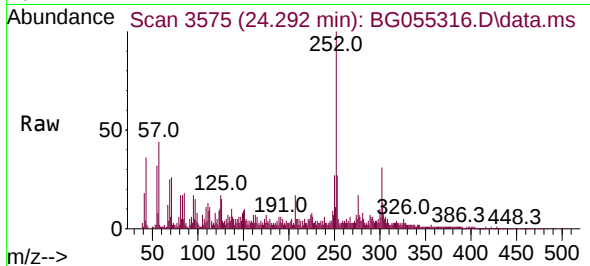
Tgt Ion:252 Resp: 242904
 Ion Ratio Lower Upper
 252 100
 253 26.5 17.6 26.4#
 125 16.0 9.0 13.4#





#89
Benzo(k)fluoranthene
Concen: 12.688 ng m
RT: 24.292 min Scan# 3575
Delta R.T. 0.011 min
Lab File: BG055316.D
Acq: 27 Oct 2022 2:54

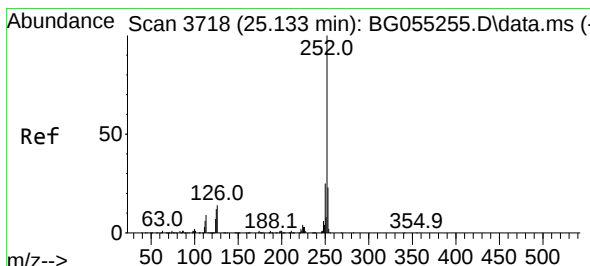
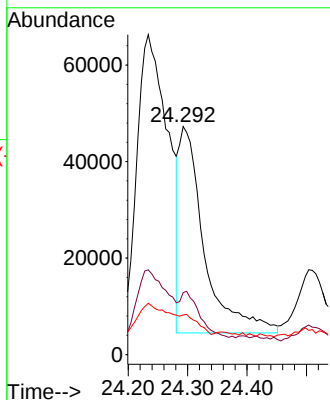
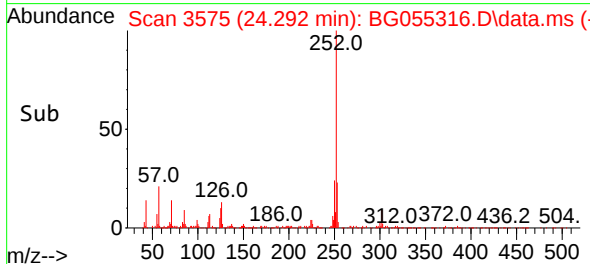
Instrument :
BNA_G
ClientSampleId :
RBR-251375



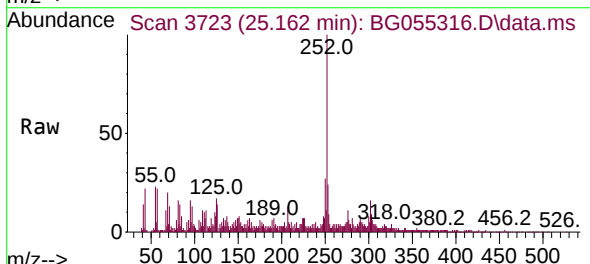
Tgt Ion:252 Resp: 126292
Ion Ratio Lower Upper
252 100
253 27.2 18.6 27.8
125 17.4 9.1 13.7

Manual Integrations
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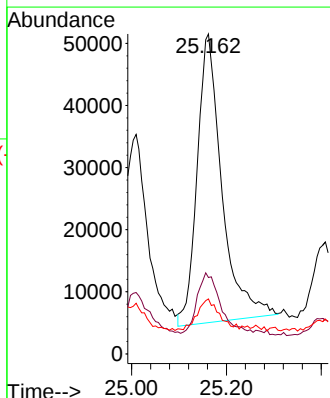
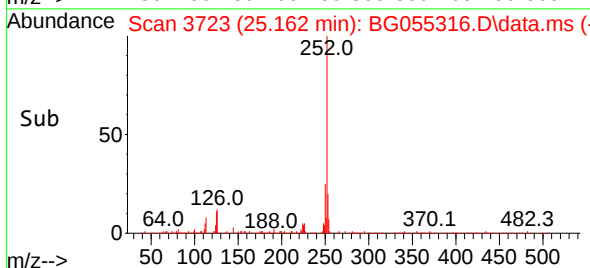
Reviewed By :Christian Giraldo 10/27/2022
Supervised By :Jagrut Upadhyay 10/27/2022

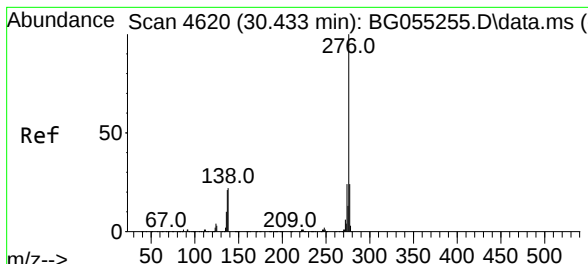


#90
Benzo(a)pyrene
Concen: 19.944 ng
RT: 25.162 min Scan# 3723
Delta R.T. 0.029 min
Lab File: BG055316.D
Acq: 27 Oct 2022 2:54



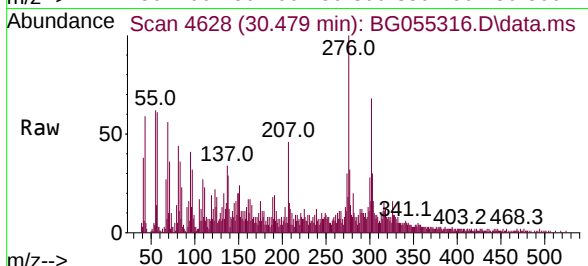
Tgt Ion:252 Resp: 168597
Ion Ratio Lower Upper
252 100
253 23.9 18.2 27.2
125 17.2 9.8 14.8





#92
 Benzo(g,h,i)perylene
 Concen: 8.665 ng
 RT: 30.479 min Scan# 4628
 Delta R.T. 0.047 min
 Lab File: BG055316.D
 Acq: 27 Oct 2022 2:54

Instrument :
 BNA_G
 ClientSampleId :
 RBR-251375



Tgt Ion:	276	Resp:	8536
Ion Ratio	Lower	Upper	
276	100		
277	31.6	19.1	28.7
138	29.1	17.2	25.8

Manual Integrations
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Reviewed By :Christian Giraldo 10/27/2022
 Supervised By :Jagrut Upadhyay 10/27/2022

