

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
 Data File : BG054558.D
 Acq On : 8 Aug 2022 18:17
 Operator : CG/JU
 Sample : N4063-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-5F

Quant Time: Aug 09 01:55:52 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	7.977	152	21264	20.000	ng	0.00
21) Naphthalene-d8	10.785	136	79706	20.000	ng	# 0.00
39) Acenaphthene-d10	14.616	164	54987	20.000	ng	0.00
64) Phenanthrene-d10	17.366	188	130743	20.000	ng	# 0.00
76) Chrysene-d12	21.637	240	153781	20.000	ng	# 0.00
86) Perylene-d12	24.863	264	156510	20.000	ng	# 0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.568	112	117599	115.469	ng	0.00
7) Phenol-d6	7.184	99	154950	111.034	ng	0.00
23) Nitrobenzene-d5	9.146	82	105410	72.019	ng	0.00
42) 2,4,6-Tribromophenol	16.114	330	116633	101.023	ng	0.00
45) 2-Fluorobiphenyl	13.235	172	296328	76.023	ng	0.00
79) Terphenyl-d14	19.974	244	552055	71.216	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.346	152	272135	58.174	ng	100
58) Fluorene	15.691	166	12992	3.135	ng	# 43
72) Anthracene	17.501	178	70518	11.037	ng	98
75) Fluoranthene	19.422	202	113824	12.825	ng	94
78) Pyrene	19.798	202	1672949m	189.594	ng	
81) Benzo(a)anthracene	21.620	228	199363	20.423	ng	# 78
83) Chrysene	21.661	228	414751	44.970	ng	# 69
87) Indeno(1,2,3-cd)pyrene	28.564	276	477722	40.123	ng	# 94
88) Benzo(b)fluoranthene	23.846	252	897089	96.922	ng	# 98
89) Benzo(k)fluoranthene	23.905	252	323920m	35.165	ng	
90) Benzo(a)pyrene	24.728	252	1028935m	130.170	ng	
91) Dibenzo(a,h)anthracene	28.576	278	123730	12.638	ng	# 87
92) Benzo(g,h,i)perylene	29.716	276	444140	45.963	ng	# 93

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

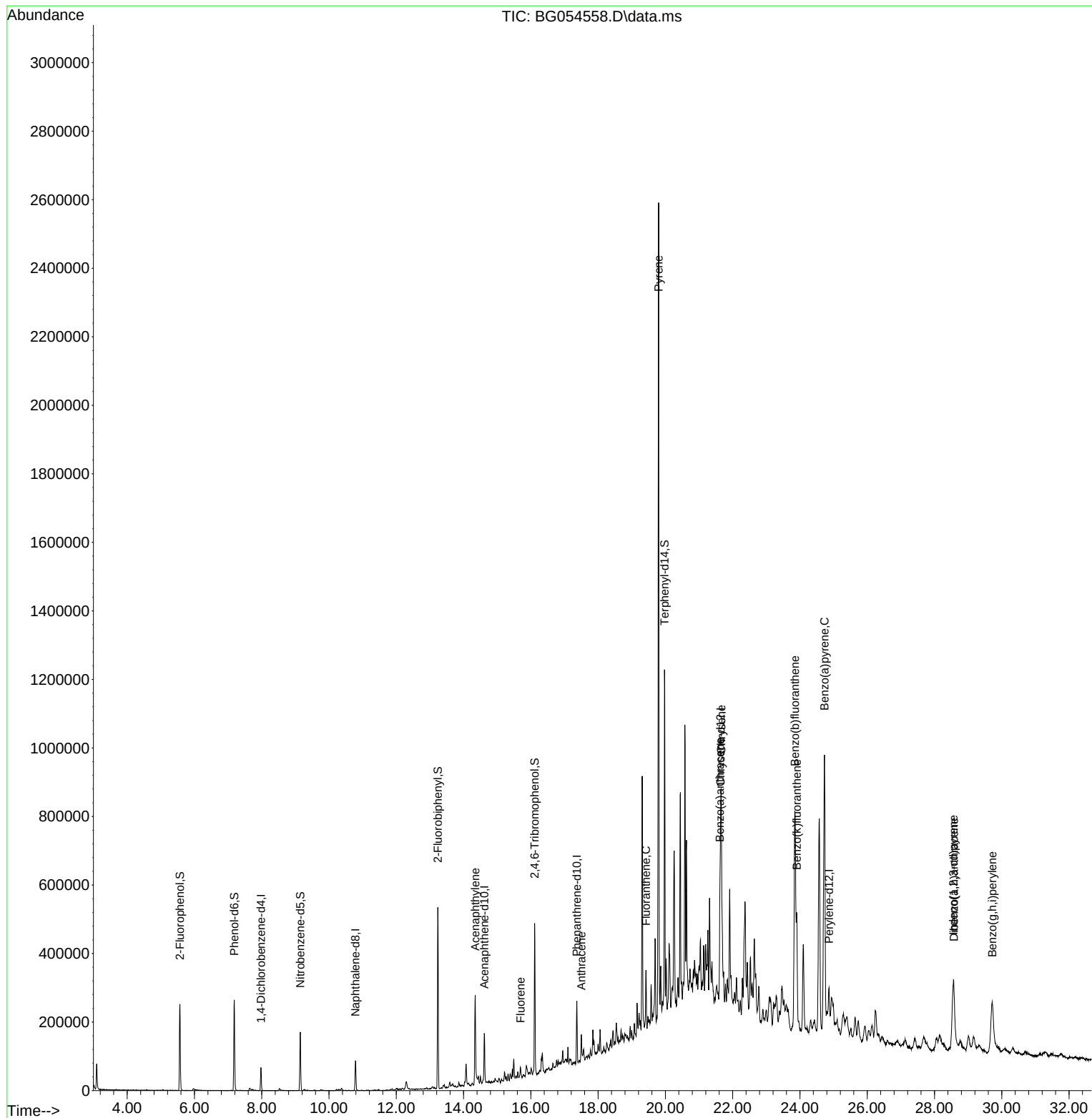
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
Data File : BG054558.D
Acq On : 8 Aug 2022 18:17
Operator : CG/JU
Sample : N4063-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

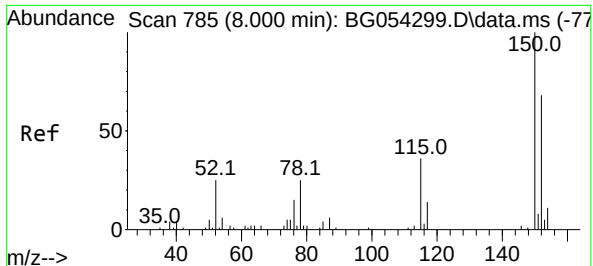
Instrument :
BNA_G
ClientSampleId :
P-5F

Quant Time: Aug 09 01:55:52 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
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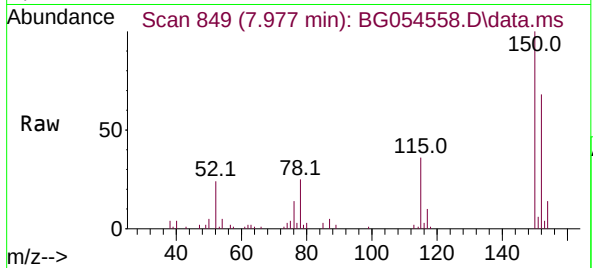
Reviewed By : Christian Giraldo 08/09/2022
Supervised By : Jagrut Upadhyay 08/09/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.977 min Scan# 84
Delta R.T. 0.005 min
Lab File: BG054558.D
Acq: 8 Aug 2022 18:17

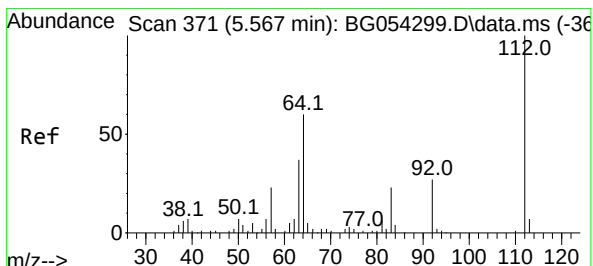
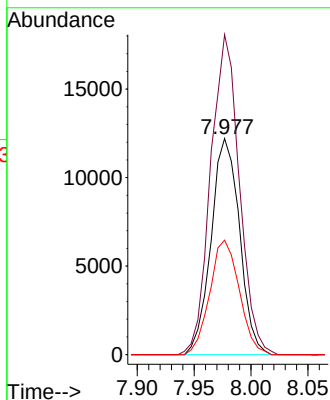
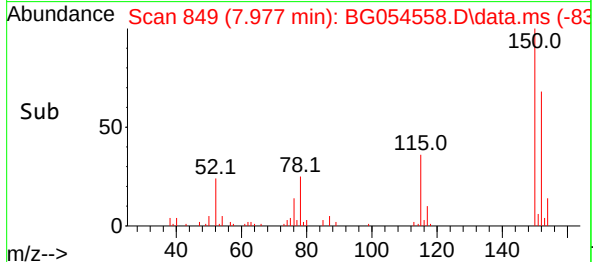
Instrument :
BNA_G
ClientSampleId :
P-5F



Tgt Ion:152 Resp: 21264
Ion Ratio Lower Upper
152 100
150 148.0 131.6 197.4
115 53.0 50.9 76.3

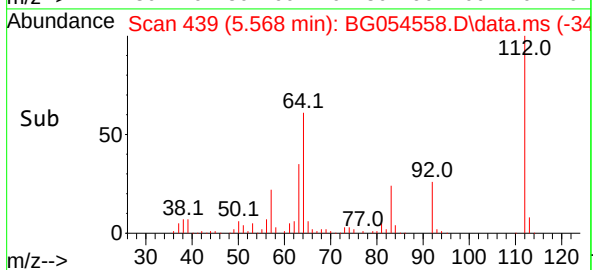
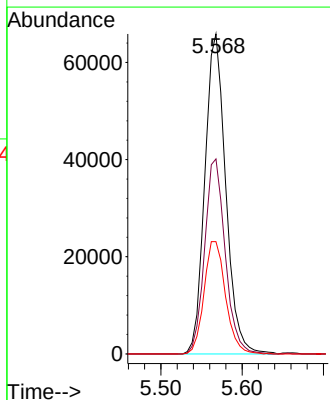
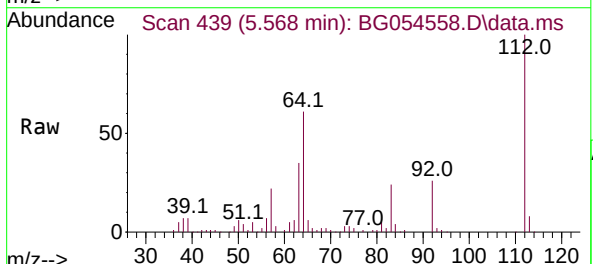
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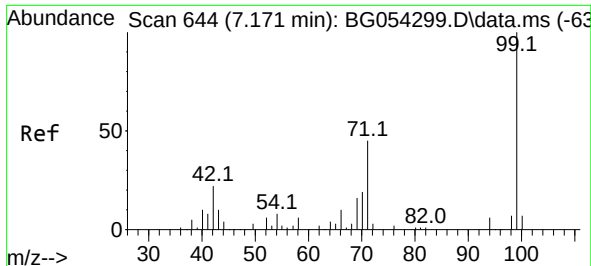
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#5
2-Fluorophenol
Concen: 115.469 ng
RT: 5.568 min Scan# 439
Delta R.T. 0.004 min
Lab File: BG054558.D
Acq: 8 Aug 2022 18:17

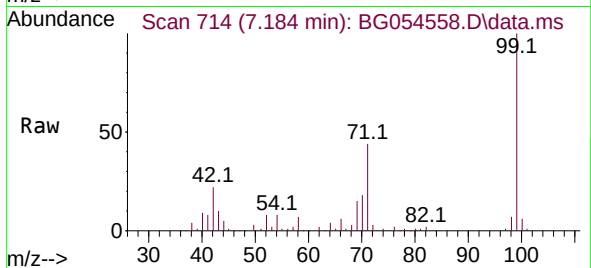
Tgt Ion:112 Resp: 117599
Ion Ratio Lower Upper
112 100
64 60.9 55.1 82.7
63 35.1 30.4 45.6





#7
Phenol-d6
Concen: 111.034 ng
RT: 7.184 min Scan# 71
Delta R.T. 0.004 min
Lab File: BG054558.D
Acq: 8 Aug 2022 18:17

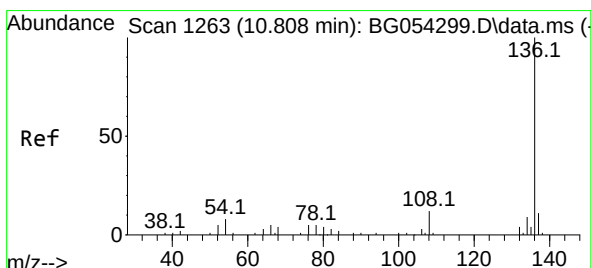
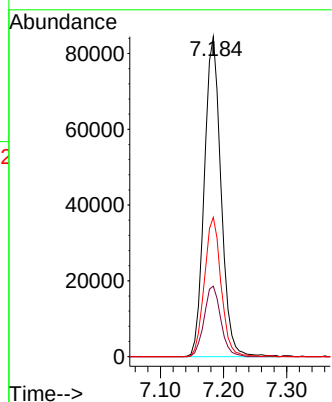
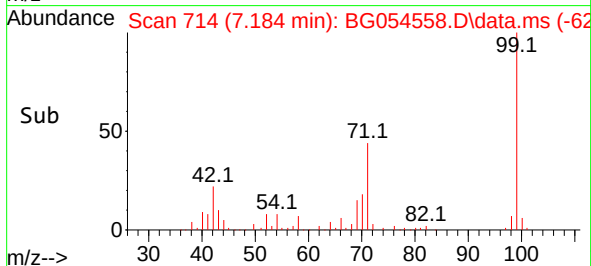
Instrument :
BNA_G
ClientSampleId :
P-5F



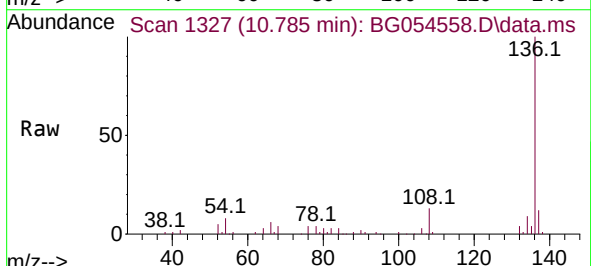
Tgt Ion: 99 Resp: 154950
Ion Ratio Lower Upper
99 100
42 22.0 17.0 25.6
71 43.5 33.8 50.8

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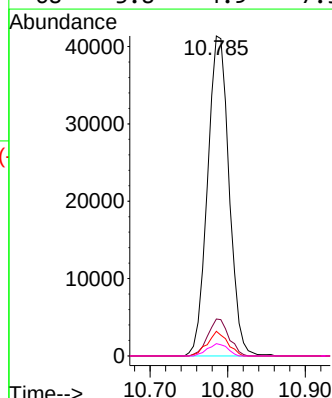
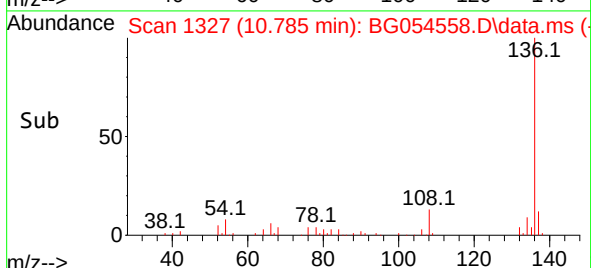
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

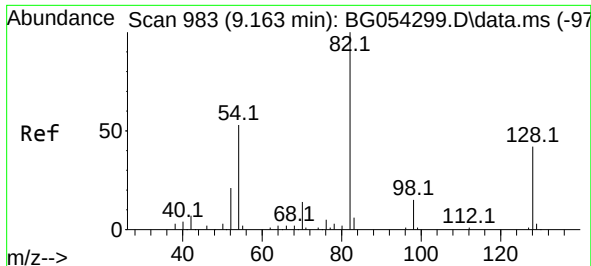


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.785 min Scan# 1327
Delta R.T. -0.001 min
Lab File: BG054558.D
Acq: 8 Aug 2022 18:17



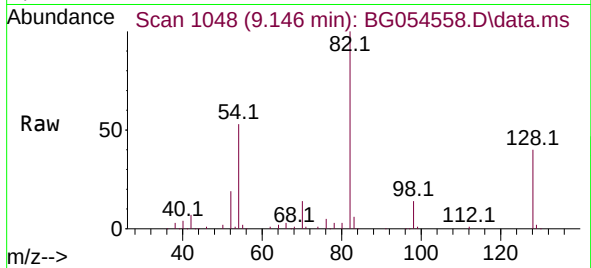
Tgt Ion:136 Resp: 79706
Ion Ratio Lower Upper
136 100
137 11.5 8.5 12.7
54 7.7 7.4 11.2
68 3.8 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 72.019 ng
RT: 9.146 min Scan# 1048
Delta R.T. 0.004 min
Lab File: BG054558.D
Acq: 8 Aug 2022 18:17

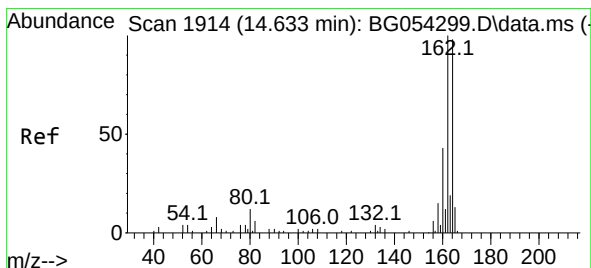
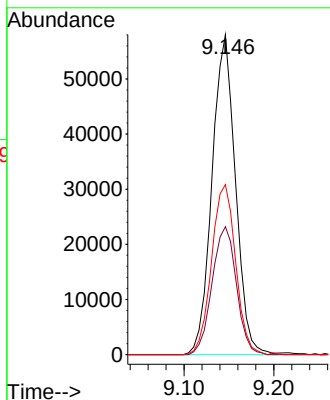
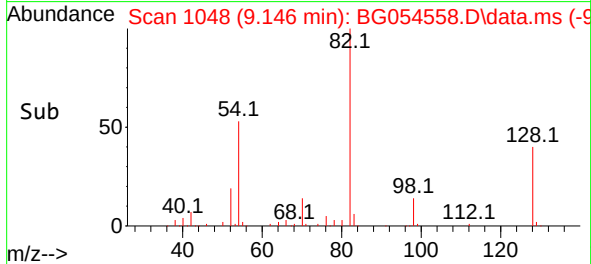
Instrument :
BNA_G
ClientSampleId :
P-5F



Tgt Ion: 82 Resp: 105410
Ion Ratio Lower Upper
82 100
128 40.0 27.9 41.9
54 53.1 41.2 61.8

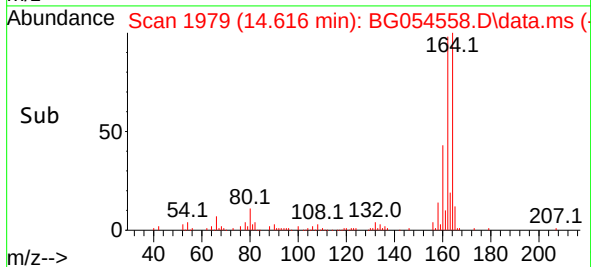
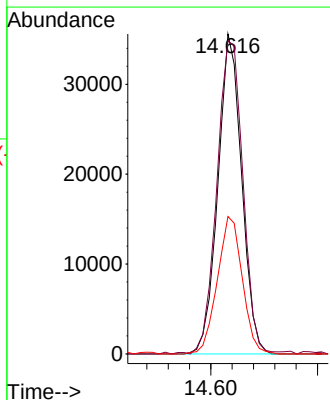
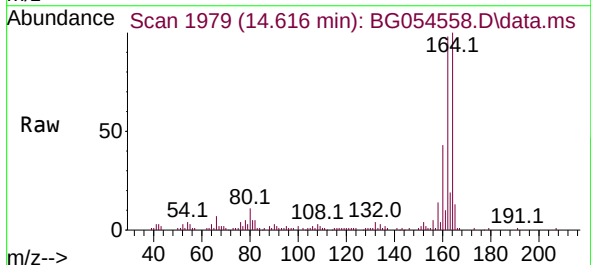
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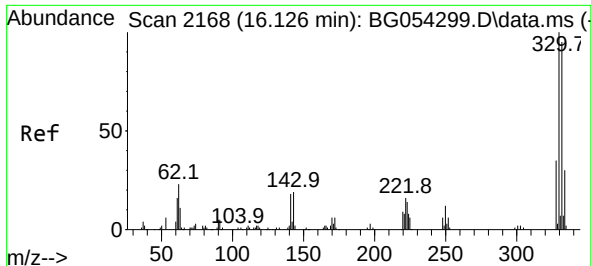
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.616 min Scan# 1979
Delta R.T. -0.001 min
Lab File: BG054558.D
Acq: 8 Aug 2022 18:17

Tgt Ion:164 Resp: 54987
Ion Ratio Lower Upper
164 100
162 97.8 82.3 123.5
160 43.0 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 101.023 ng

RT: 16.114 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG054558.D

Acq: 8 Aug 2022 18:17

Instrument :

BNA_G

ClientSampleId :

P-5F

Tgt Ion:330 Resp: 11663

Ion Ratio Lower Upper

330 100

332 97.2 76.0 114.0

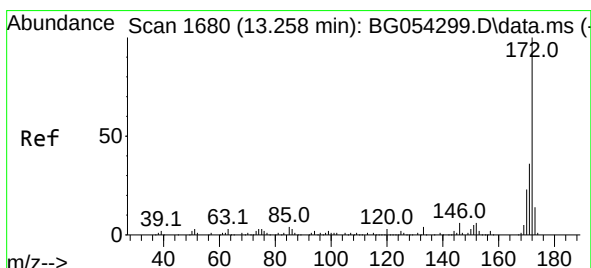
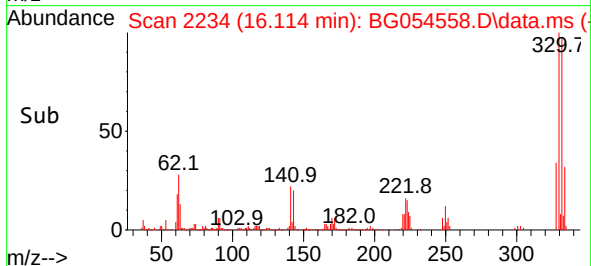
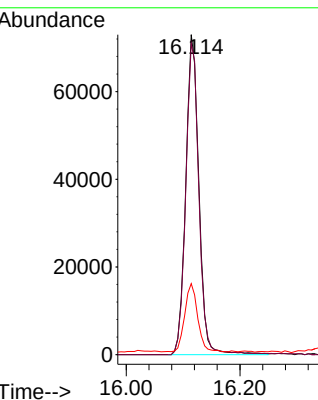
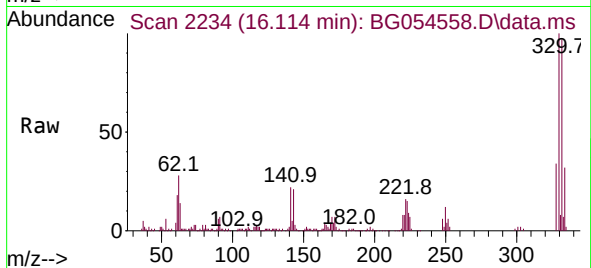
141 21.4 27.1 40.7

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/09/2022



#45

2-Fluorobiphenyl

Concen: 76.023 ng

RT: 13.235 min Scan# 1744

Delta R.T. -0.001 min

Lab File: BG054558.D

Acq: 8 Aug 2022 18:17

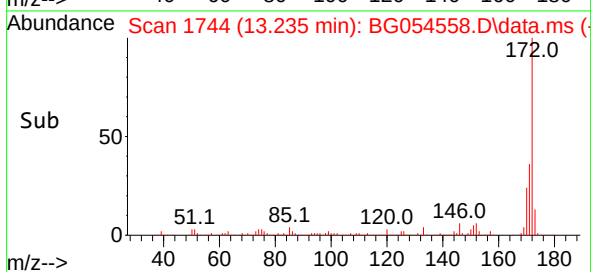
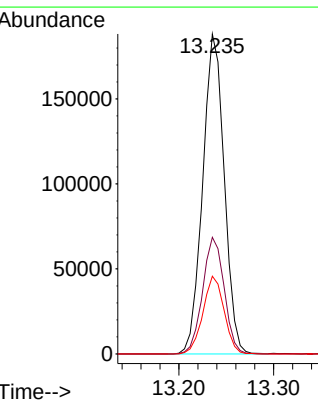
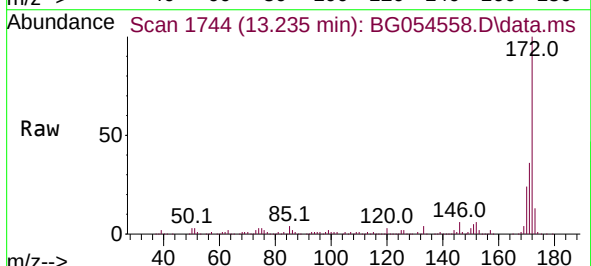
Tgt Ion:172 Resp: 296328

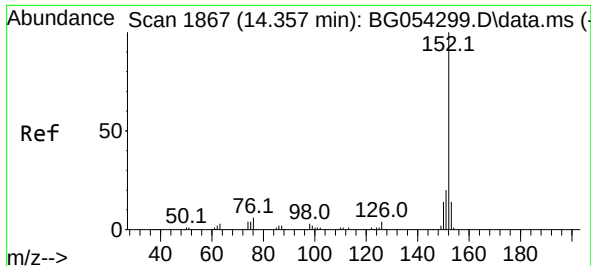
Ion Ratio Lower Upper

172 100

171 36.4 28.5 42.7

170 24.3 18.9 28.3





#49

Acenaphthylene

Concen: 58.174 ng

RT: 14.346 min Scan# 1933

Delta R.T. 0.004 min

Lab File: BG054558.D

Acq: 8 Aug 2022 18:17

Instrument :

BNA_G

ClientSampleId :

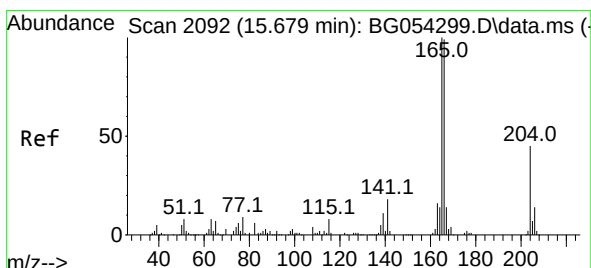
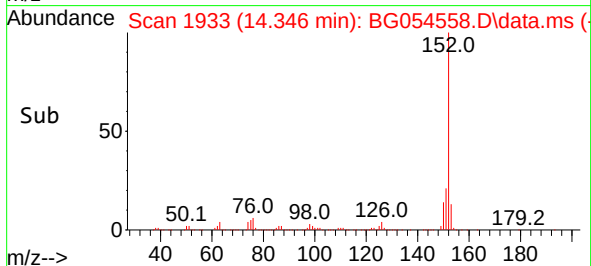
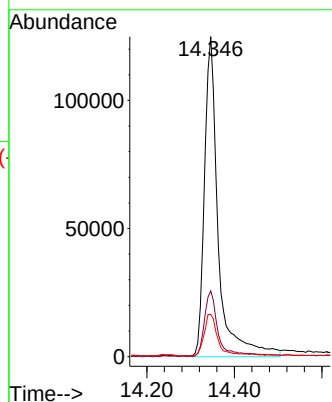
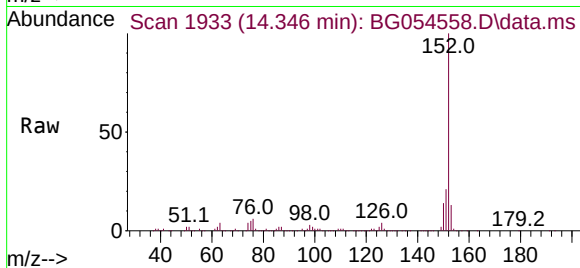
P-5F

Tgt Ion:	152	Resp:	272135
Ion Ratio	Lower	Upper	
152	100		
151	20.5	16.4	24.6
153	13.2	10.8	16.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/09/2022



#58

Fluorene

Concen: 3.135 ng

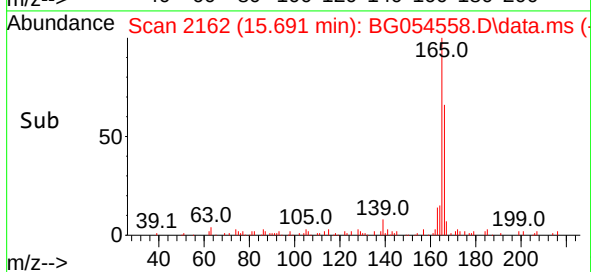
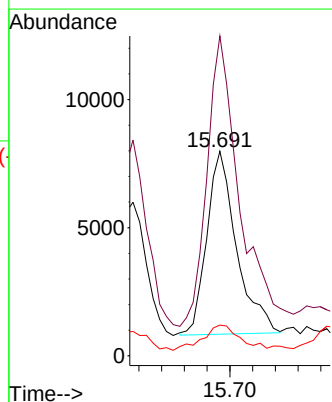
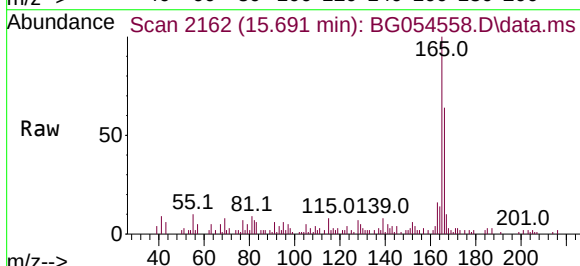
RT: 15.691 min Scan# 2162

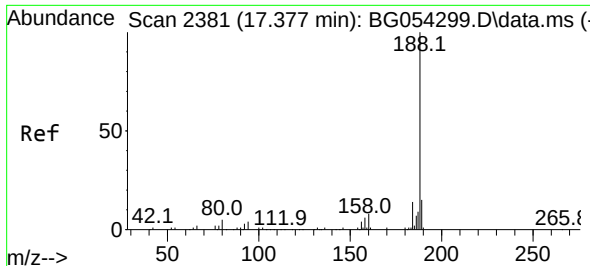
Delta R.T. 0.028 min

Lab File: BG054558.D

Acq: 8 Aug 2022 18:17

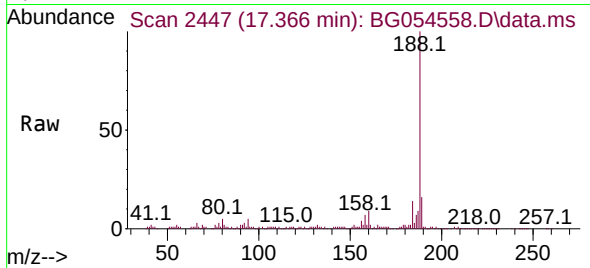
Tgt Ion:	166	Resp:	12992
Ion Ratio	Lower	Upper	
166	100		
165	156.4	75.0	112.6#
167	15.0	10.8	16.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.366 min Scan# 24
Delta R.T. 0.004 min
Lab File: BG054558.D
Acq: 8 Aug 2022 18:17

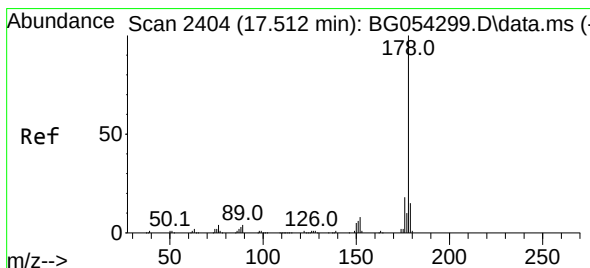
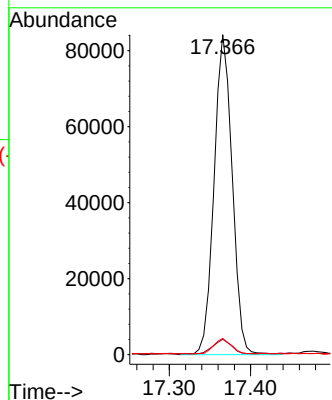
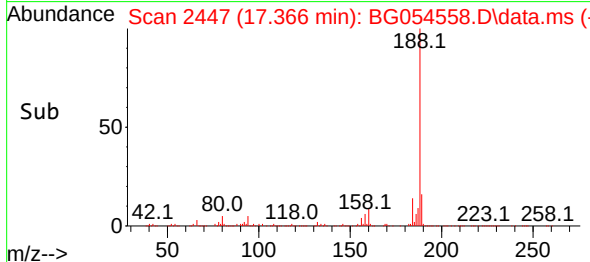
Instrument :
BNA_G
ClientSampleId :
P-5F



Tgt Ion:188 Resp: 130743
Ion Ratio Lower Upper
188 100
94 4.8 5.4 8.0
80 5.1 6.8 10.2

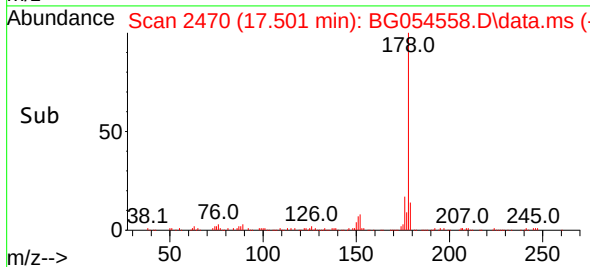
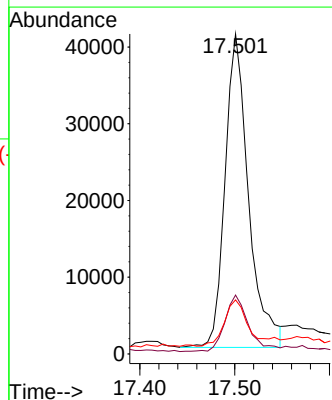
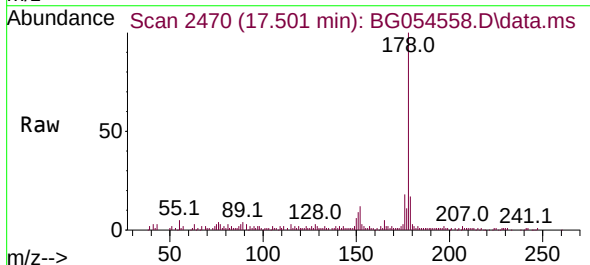
Manual Integrations
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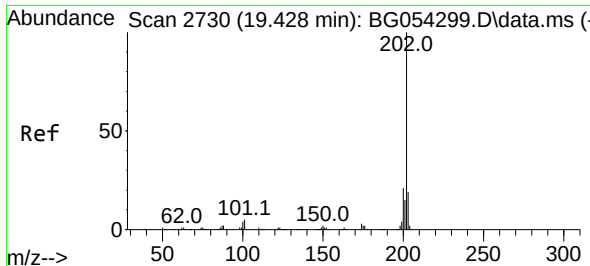
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#72
Anthracene
Concen: 11.037 ng
RT: 17.501 min Scan# 2470
Delta R.T. 0.004 min
Lab File: BG054558.D
Acq: 8 Aug 2022 18:17

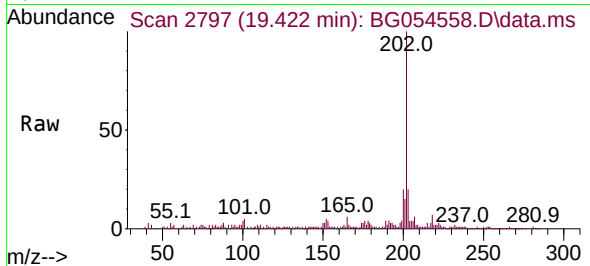
Tgt Ion:178 Resp: 70518
Ion Ratio Lower Upper
178 100
176 18.4 15.2 22.8
179 16.9 13.0 19.4





#75
Fluoranthene
Concen: 12.825 ng
RT: 19.422 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG054558.D
Acq: 8 Aug 2022 18:17

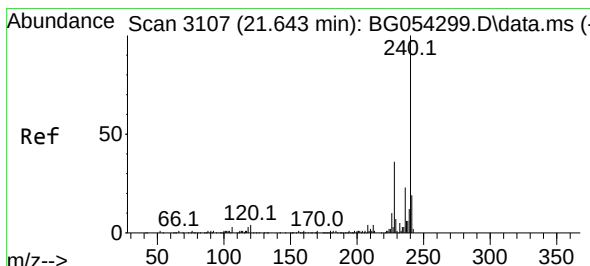
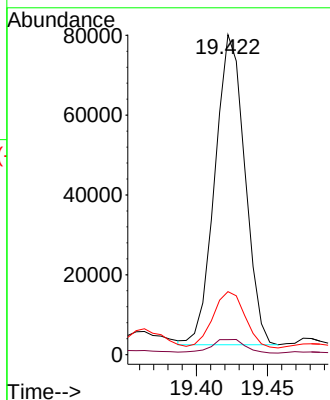
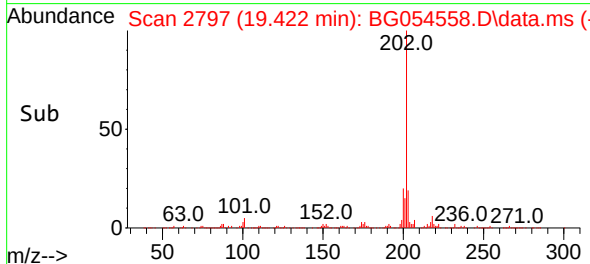
Instrument :
BNA_G
ClientSampleId :
P-5F



Tgt Ion:202 Resp: 113824
Ion Ratio Lower Upper
202 100
101 4.7 0.0 26.9
203 19.7 0.0 37.2

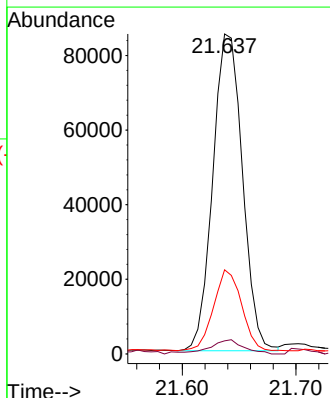
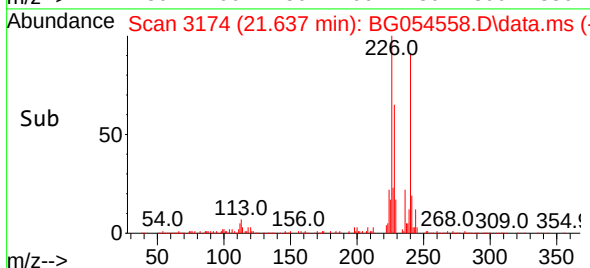
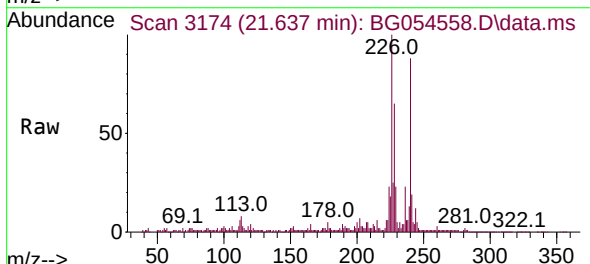
Manual Integrations
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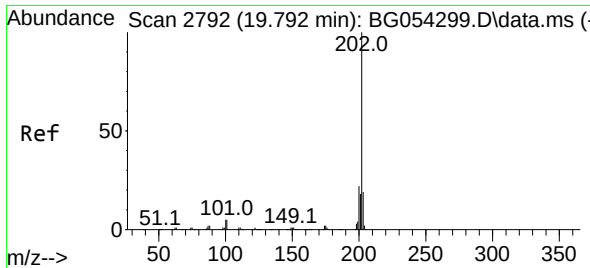
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.637 min Scan# 3174
Delta R.T. 0.004 min
Lab File: BG054558.D
Acq: 8 Aug 2022 18:17

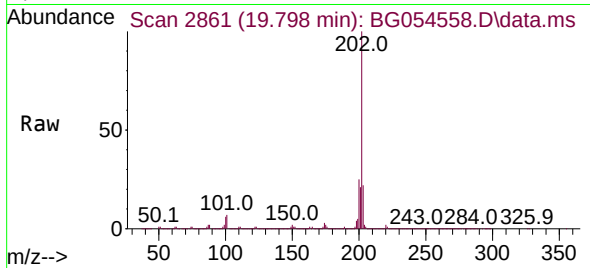
Tgt Ion:240 Resp: 153781
Ion Ratio Lower Upper
240 100
120 4.1 4.6 7.0#
236 26.3 20.2 30.4





#78
 Pyrene
 Concen: 189.594 ng m
 RT: 19.798 min Scan# 2861
 Delta R.T. 0.016 min
 Lab File: BG054558.D
 Acq: 8 Aug 2022 18:17

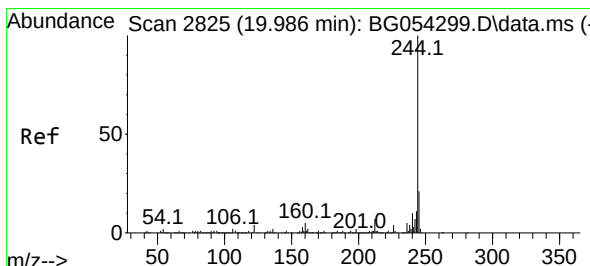
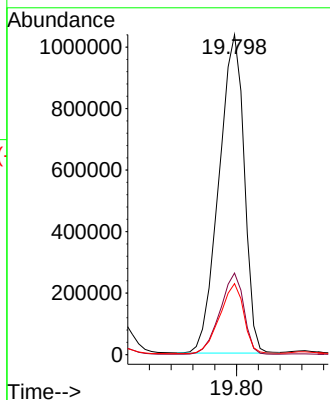
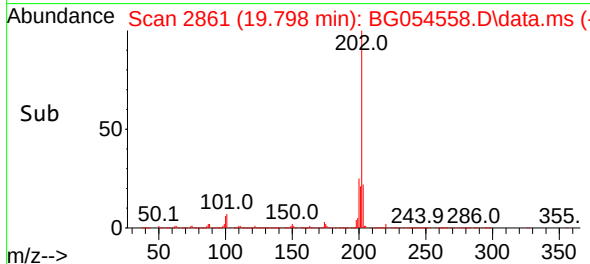
Instrument :
 BNA_G
 ClientSampleId :
 P-5F



Tgt Ion:202 Resp: 1672949
 Ion Ratio Lower Upper
 202 100
 200 25.5 16.6 24.8
 203 22.2 14.6 21.8

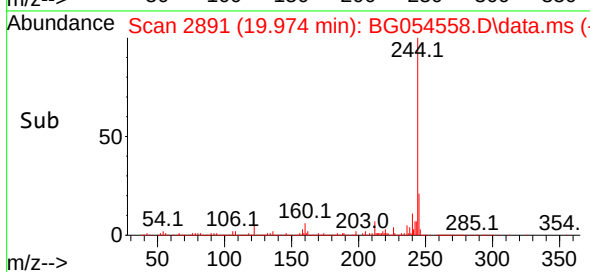
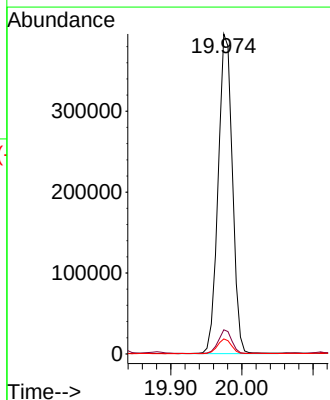
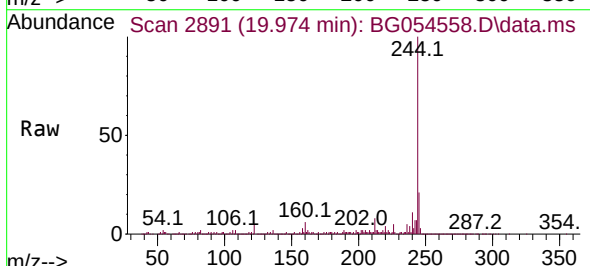
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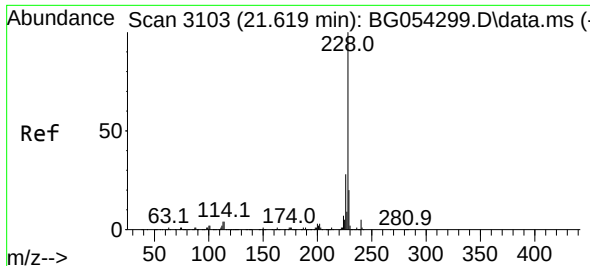
Reviewed By :Christian Giraldo 08/09/2022
 Supervised By :Jagrut Upadhyay 08/09/2022



#79
 Terphenyl-d14
 Concen: 71.216 ng
 RT: 19.974 min Scan# 2891
 Delta R.T. 0.004 min
 Lab File: BG054558.D
 Acq: 8 Aug 2022 18:17

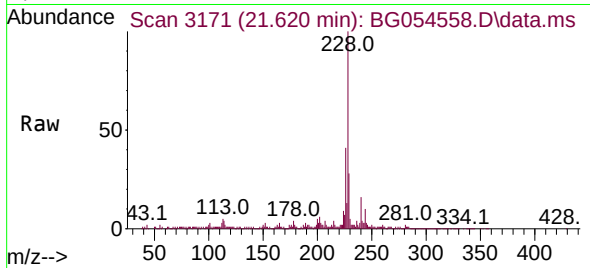
Tgt Ion:244 Resp: 552055
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.5 9.7
 122 4.7 5.0 7.4





#81
Benzo(a)anthracene
Concen: 20.423 ng
RT: 21.620 min Scan# 3103
Delta R.T. 0.004 min
Lab File: BG054558.D
Acq: 8 Aug 2022 18:17

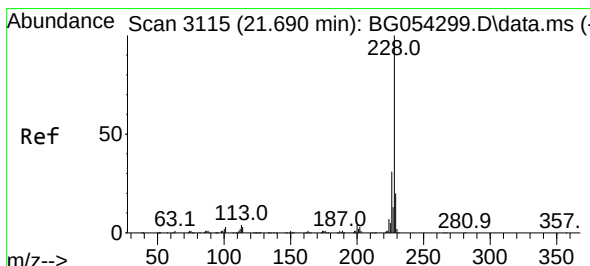
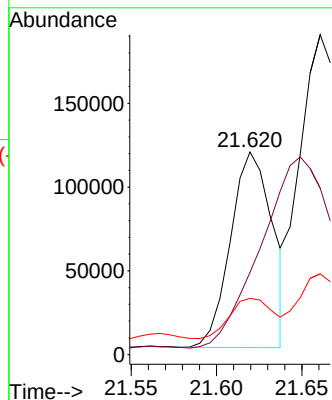
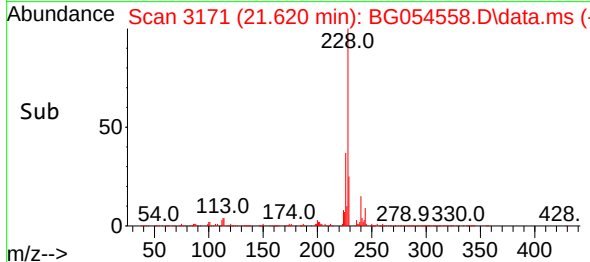
Instrument :
BNA_G
ClientSampleId :
P-5F



Tgt Ion:228 Resp: 199363
Ion Ratio Lower Upper
228 100
226 40.6 21.6 32.4#
229 27.8 16.2 24.2#

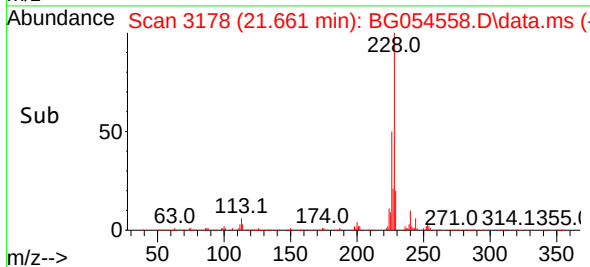
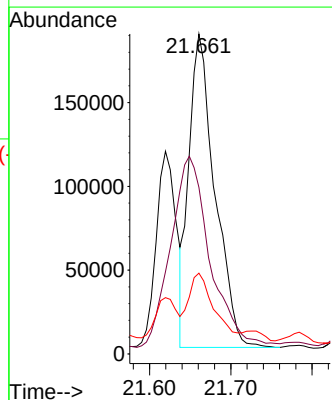
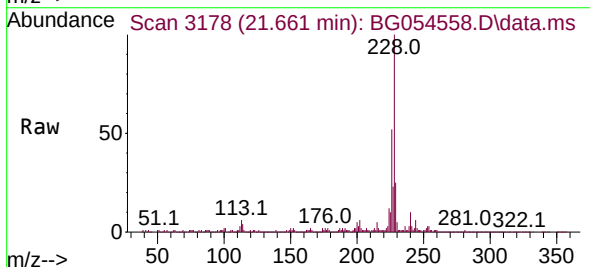
Manual Integrations
APPROVED

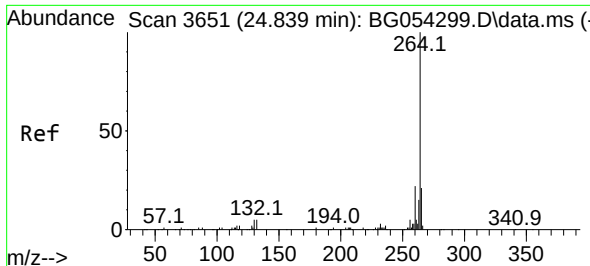
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#83
Chrysene
Concen: 44.970 ng
RT: 21.661 min Scan# 3178
Delta R.T. -0.019 min
Lab File: BG054558.D
Acq: 8 Aug 2022 18:17

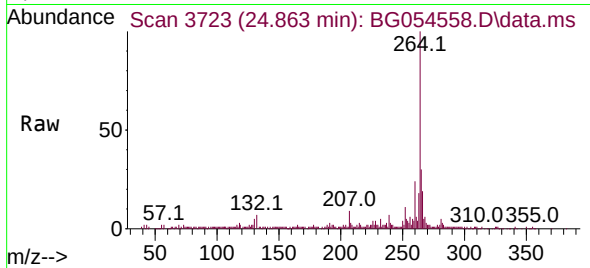
Tgt Ion:228 Resp: 414751
Ion Ratio Lower Upper
228 100
226 52.0 23.4 35.2#
229 25.2 15.5 23.3#





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.863 min Scan# 31
Delta R.T. 0.028 min
Lab File: BG054558.D
Acq: 8 Aug 2022 18:17

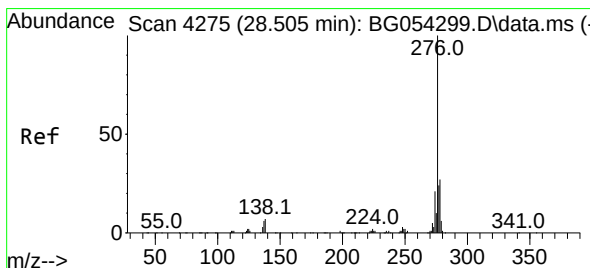
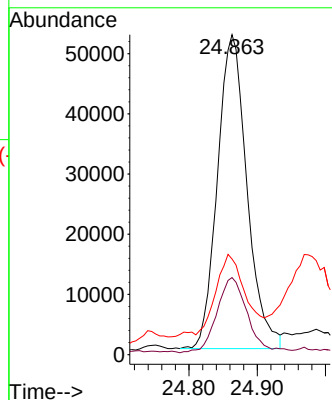
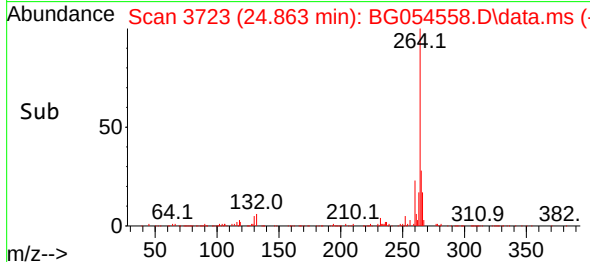
Instrument :
BNA_G
ClientSampleId :
P-5F



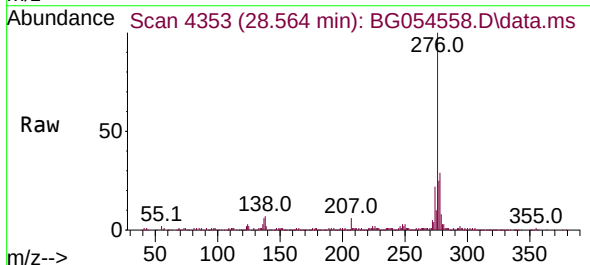
Tgt Ion:264 Resp: 156510
Ion Ratio Lower Upper
264 100
260 24.1 19.0 28.6
265 29.9 17.4 26.2

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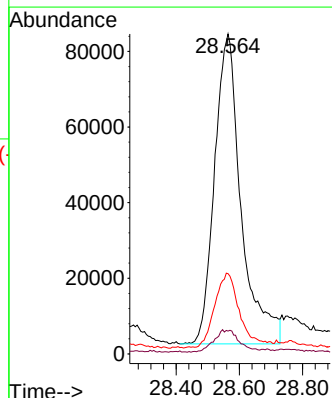
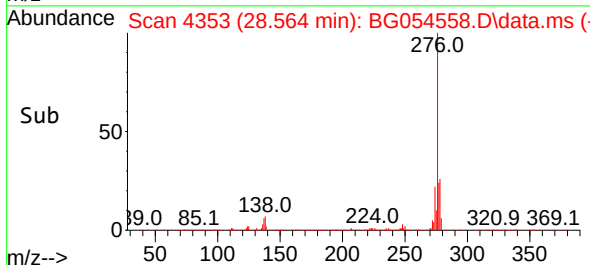
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

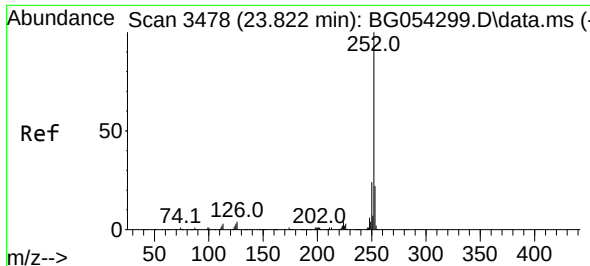


#87
Indeno(1,2,3-cd)pyrene
Concen: 40.123 ng
RT: 28.564 min Scan# 4353
Delta R.T. 0.034 min
Lab File: BG054558.D
Acq: 8 Aug 2022 18:17



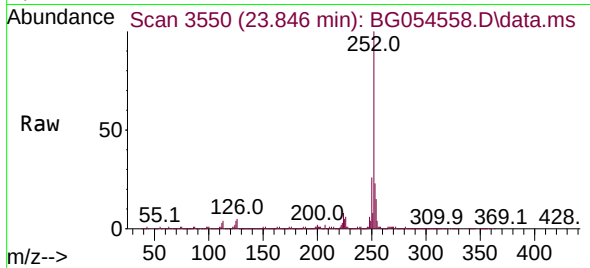
Tgt Ion:276 Resp: 477722
Ion Ratio Lower Upper
276 100
138 3.0 5.0 7.4#
277 22.5 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 96.922 ng
RT: 23.846 min Scan# 3550
Delta R.T. 0.028 min
Lab File: BG054558.D
Acq: 8 Aug 2022 18:17

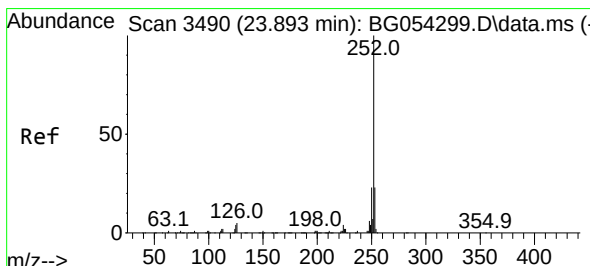
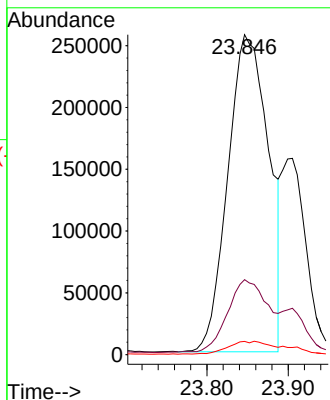
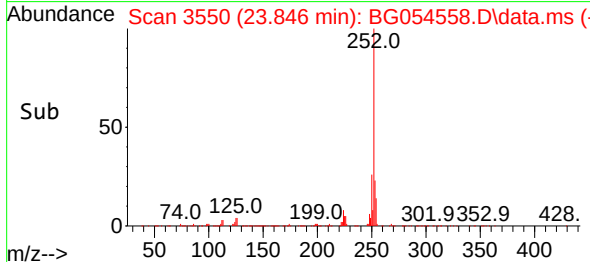
Instrument :
BNA_G
ClientSampleId :
P-5F



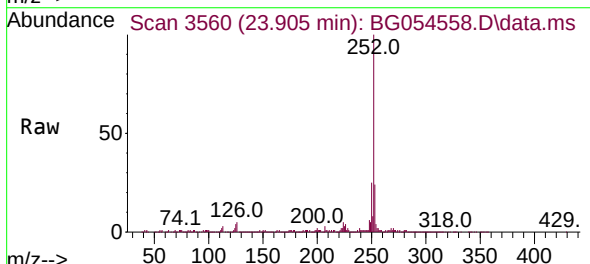
Tgt Ion:252 Resp: 897089
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 4.1 4.6 6.8

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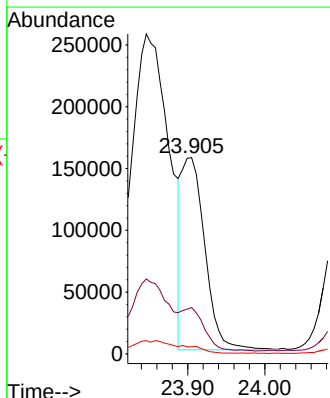
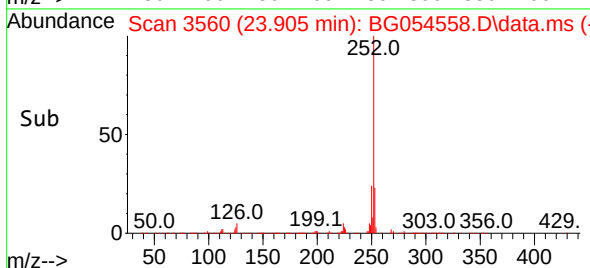
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

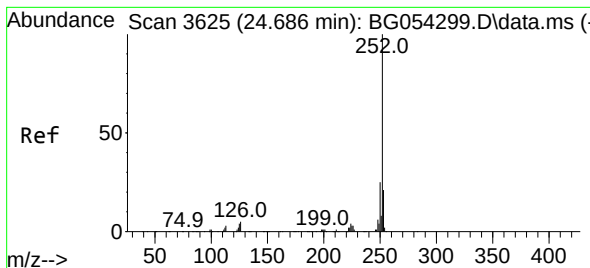


#89
Benzo(k)fluoranthene
Concen: 35.165 ng m
RT: 23.905 min Scan# 3560
Delta R.T. 0.022 min
Lab File: BG054558.D
Acq: 8 Aug 2022 18:17



Tgt Ion:252 Resp: 323920
Ion Ratio Lower Upper
252 100
253 23.6 18.4 27.6
125 3.7 4.8 7.2





#90

Benzo(a)pyrene

Concen: 130.170 ng m

RT: 24.728 min Scan# 31

Delta R.T. 0.040 min

Lab File: BG054558.D

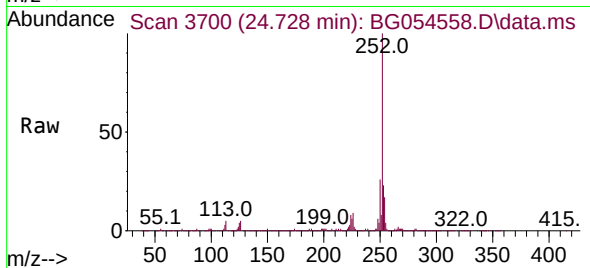
Acq: 8 Aug 2022 18:17

Instrument :

BNA_G

ClientSampleId :

P-5F



Tgt Ion:252 Resp: 1028935

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.8

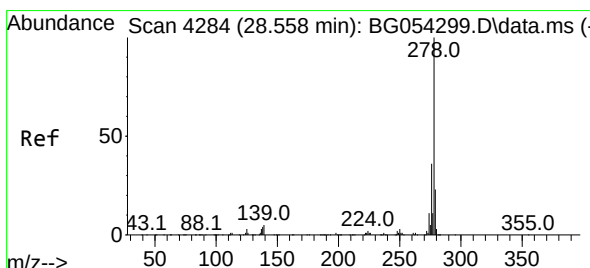
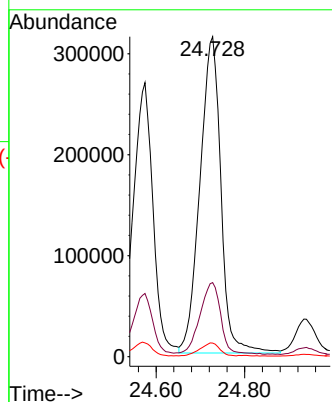
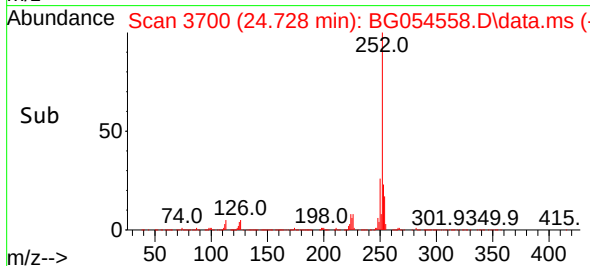
125 4.2 4.3 6.5

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Supervised By :Jagrut Upadhyay 08/09/2022



#91

Dibenzo(a,h)anthracene

Concen: 12.638 ng

RT: 28.576 min Scan# 4355

Delta R.T. 0.004 min

Lab File: BG054558.D

Acq: 8 Aug 2022 18:17

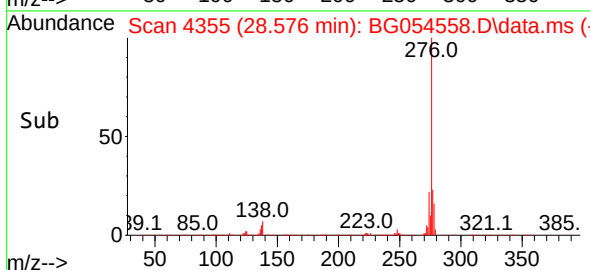
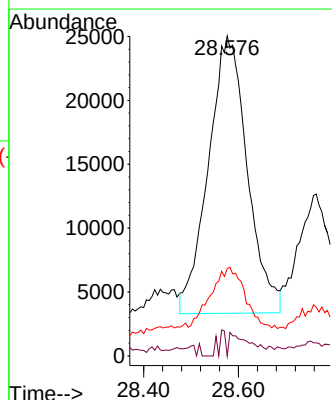
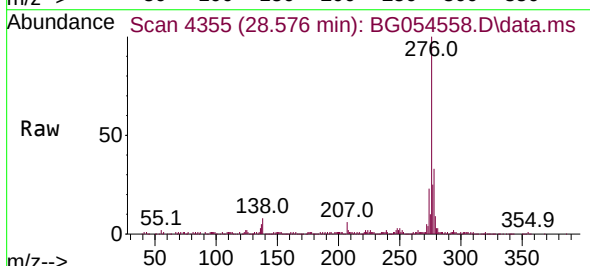
Tgt Ion:278 Resp: 123730

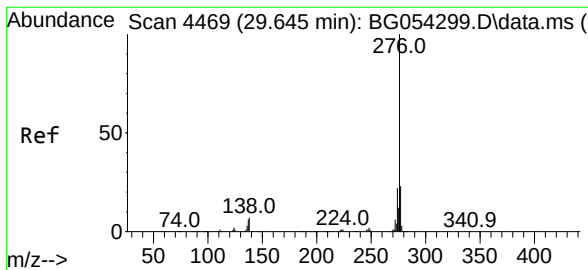
Ion Ratio Lower Upper

278 100

139 0.0 7.2 10.8

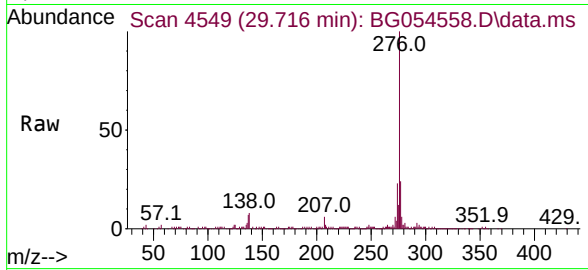
279 27.3 18.6 27.8





#92
 Benzo(g,h,i)perylene
 Concen: 45.963 ng
 RT: 29.716 min Scan# 4549
 Delta R.T. 0.040 min
 Lab File: BG054558.D
 Acq: 8 Aug 2022 18:17

Instrument :
 BNA_G
 ClientSampleId :
 P-5F



Tgt Ion:276 Resp: 444140
 Ion Ratio Lower Upper
 276 100
 277 24.0 17.3 25.9
 138 7.8 9.6 14.4

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

