

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091222\
 Data File : BG054917.D
 Acq On : 12 Sep 2022 22:25
 Operator : CG/JU
 Sample : N4561-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11976

Manual Integrations
 APPROVED

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

Quant Time: Sep 13 03:10:10 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	40858	20.000	ng	0.00
21) Naphthalene-d8	10.967	136	169854	20.000	ng	# 0.00
39) Acenaphthene-d10	14.775	164	119979	20.000	ng	0.00
64) Phenanthrene-d10	17.525	188	258420	20.000	ng	0.00
76) Chrysene-d12	21.819	240	237562	20.000	ng	0.00
86) Perylene-d12	25.198	264	257326	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.685	112	250321	106.686	ng	0.00
7) Phenol-d6	7.295	99	338800	105.585	ng	0.00
23) Nitrobenzene-d5	9.316	82	200126	61.853	ng	0.00
42) 2,4,6-Tribromophenol	16.267	330	164271	109.571	ng	0.00
45) 2-Fluorobiphenyl	13.400	172	529897	66.382	ng	0.00
79) Terphenyl-d14	20.121	244	776032	64.725	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.566	178	65615	4.766	ng	98
72) Anthracene	17.660	178	26930	2.012	ng	98
75) Fluoranthene	19.575	202	285713	17.061	ng	97
78) Pyrene	19.939	202	294763	17.794	ng	99
81) Benzo(a)anthracene	21.802	228	179816	11.164	ng	99
83) Chrysene	21.866	228	194642	12.638	ng	97
87) Indeno(1,2,3-cd)pyrene	29.082	276	87329	4.470	ng	99
88) Benzo(b)fluoranthene	24.123	252	272267	16.867	ng	99
89) Benzo(k)fluoranthene	24.181	252	96058m	5.913	ng	
90) Benzo(a)pyrene	25.033	252	128608	9.325	ng	# 96
92) Benzo(g,h,i)perylene	30.310	276	79364	4.936	ng	97

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

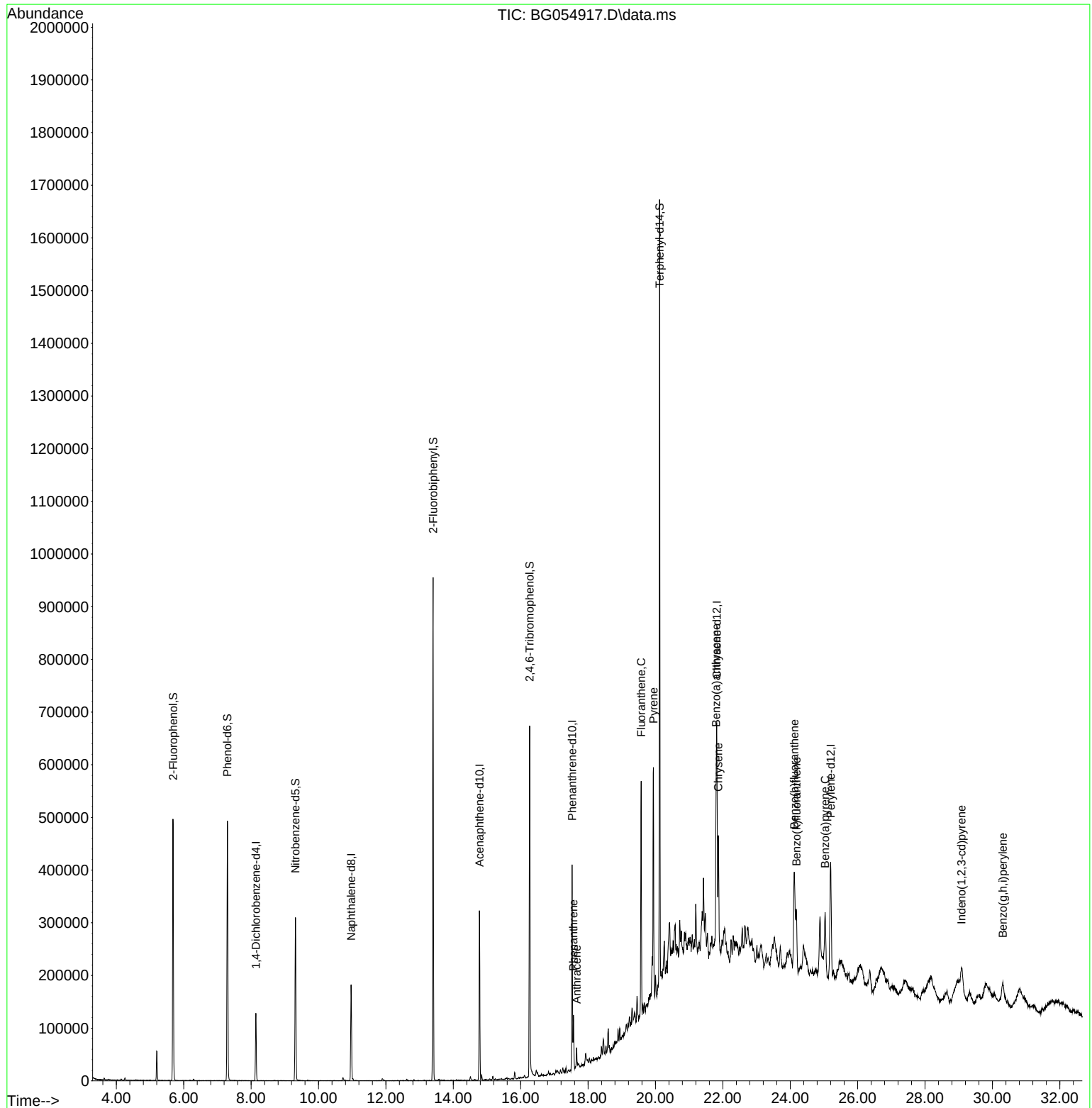
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091222\
Data File : BG054917.D
Acq On : 12 Sep 2022 22:25
Operator : CG/JU
Sample : N4561-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

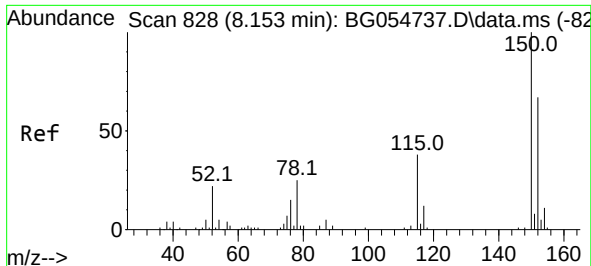
Instrument :
BNA_G
ClientSampleId :
72-11976

Quant Time: Sep 13 03:10:10 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
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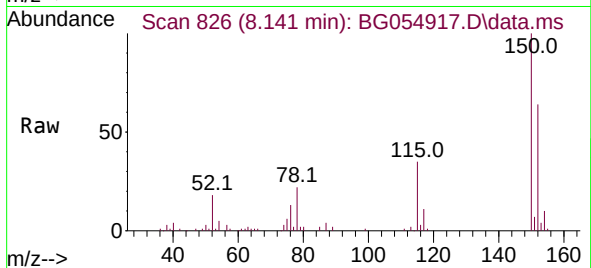
Reviewed By : Christian Giraldo 09/13/2022
Supervised By : Jagrut Upadhyay 09/13/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.141 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG054917.D
Acq: 12 Sep 2022 22:25

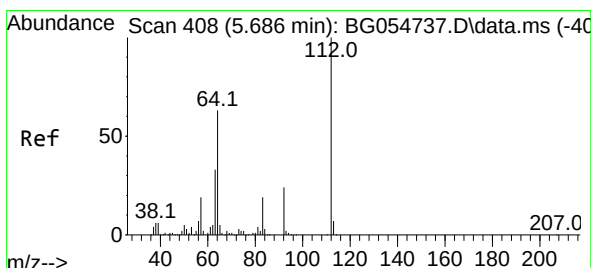
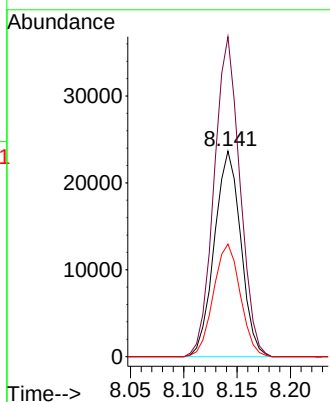
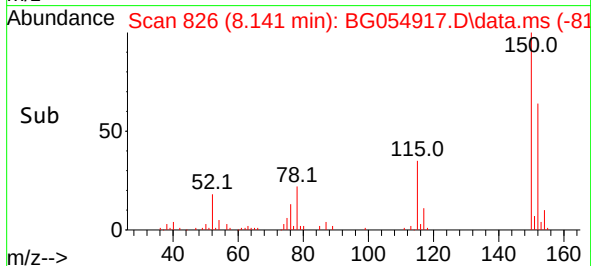
Instrument :
BNA_G
ClientSampleId :
72-11976



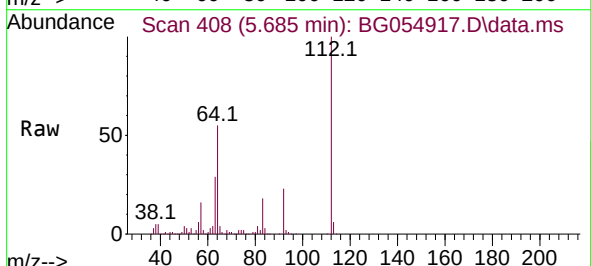
Tgt Ion:152 Resp: 40858
Ion Ratio Lower Upper
152 100
150 155.7 125.2 187.8
115 54.8 47.9 71.9

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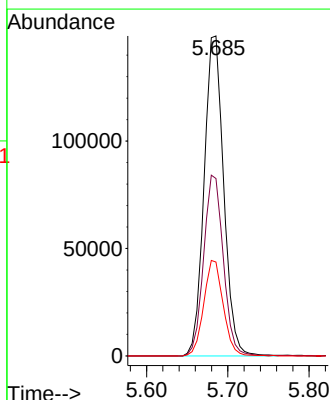
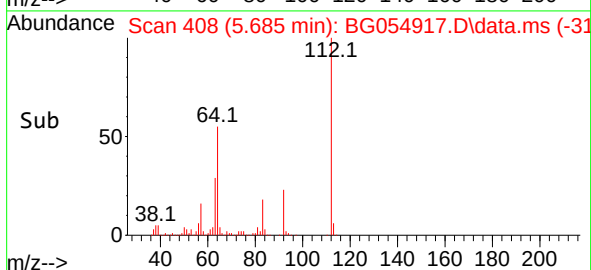
Reviewed By :Christian Giraldo 09/13/2022
Supervised By :Jagrut Upadhyay 09/13/2022

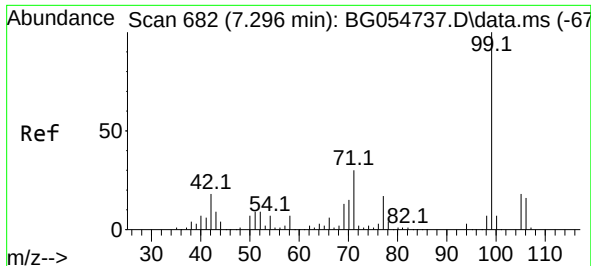


#5
2-Fluorophenol
Concen: 106.686 ng
RT: 5.685 min Scan# 408
Delta R.T. 0.001 min
Lab File: BG054917.D
Acq: 12 Sep 2022 22:25



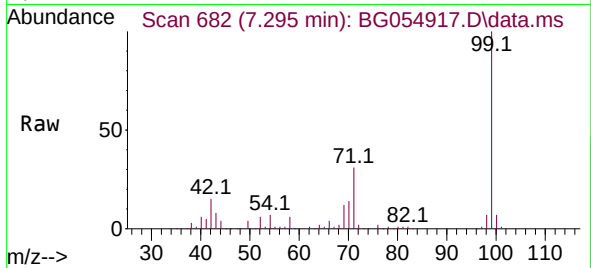
Tgt Ion:112 Resp: 250321
Ion Ratio Lower Upper
112 100
64 55.4 49.3 73.9
63 29.3 26.3 39.5





#7
Phenol-d6
Concen: 105.585 ng
RT: 7.295 min Scan# 682
Delta R.T. -0.005 min
Lab File: BG054917.D
Acq: 12 Sep 2022 22:25

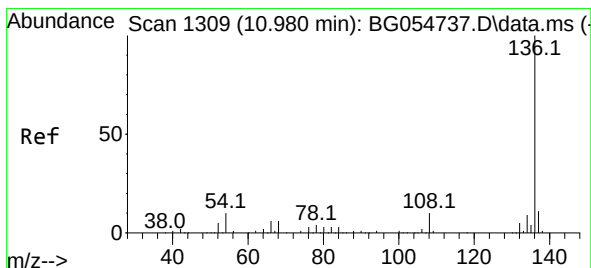
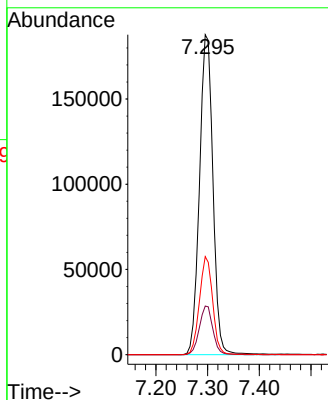
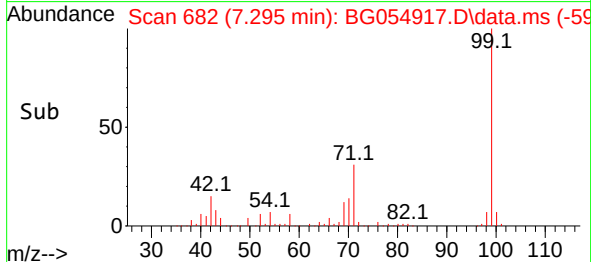
Instrument :
BNA_G
ClientSampleId :
72-11976



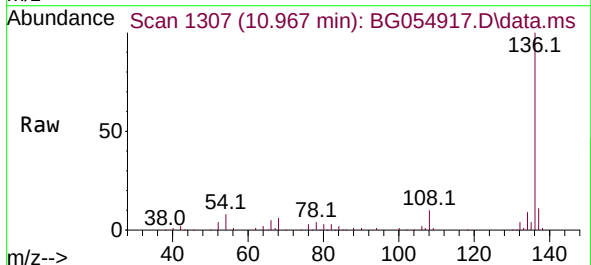
Tgt Ion: 99 Resp: 338800
Ion Ratio Lower Upper
99 100
42 15.2 14.6 22.0
71 30.6 24.6 37.0

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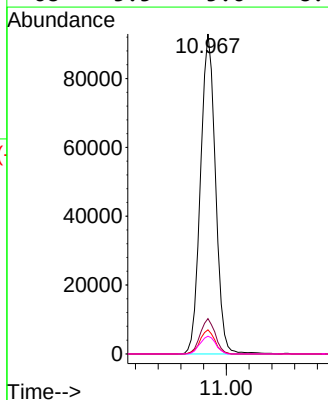
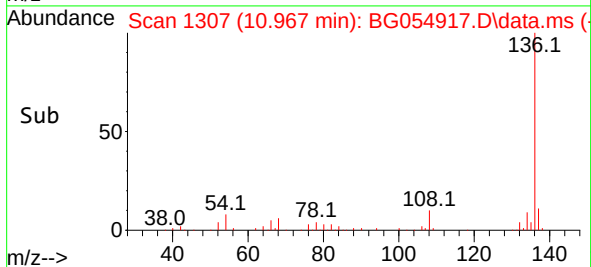
Reviewed By :Christian Giraldo 09/13/2022
Supervised By :Jagrut Upadhyay 09/13/2022

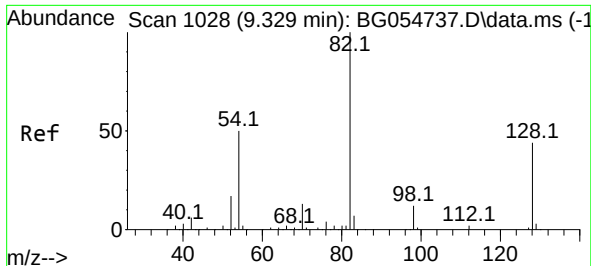


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.967 min Scan# 1307
Delta R.T. -0.005 min
Lab File: BG054917.D
Acq: 12 Sep 2022 22:25



Tgt Ion:136 Resp: 169854
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 7.5 7.7 11.5#
68 5.5 5.6 8.4#





#23

Nitrobenzene-d5

Concen: 61.853 ng

RT: 9.316 min Scan# 1026

Delta R.T. -0.005 min

Lab File: BG054917.D

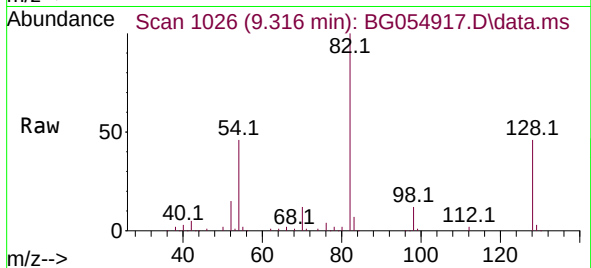
Acq: 12 Sep 2022 22:25

Instrument :

BNA_G

ClientSampleId :

72-11976



Tgt Ion: 82 Resp: 200126

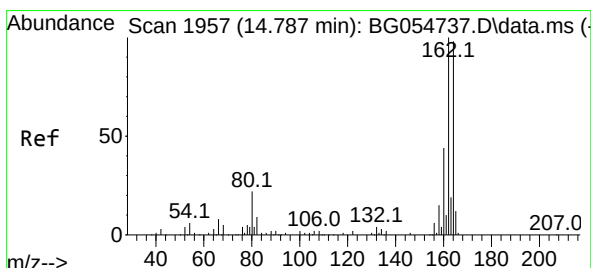
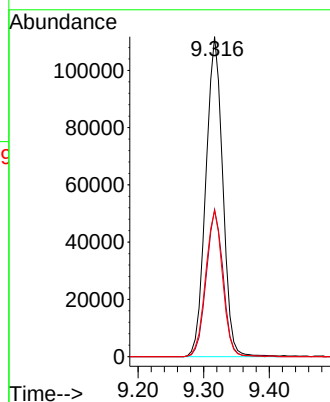
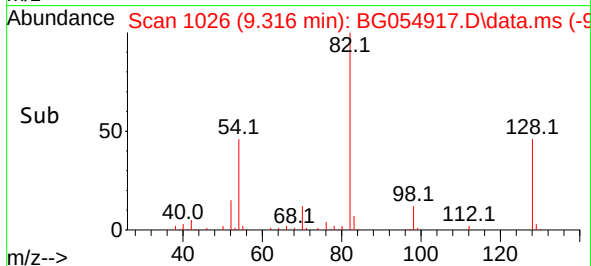
Ion	Ratio	Lower	Upper
82	100		
128	46.0	32.2	48.2
54	45.6	41.4	62.0

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.775 min Scan# 1955

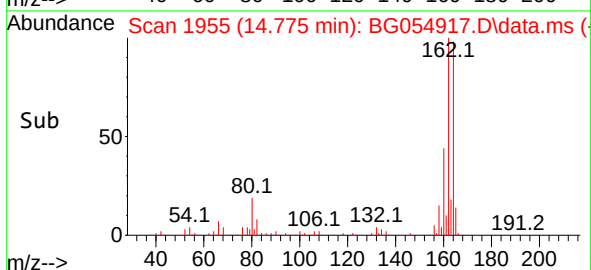
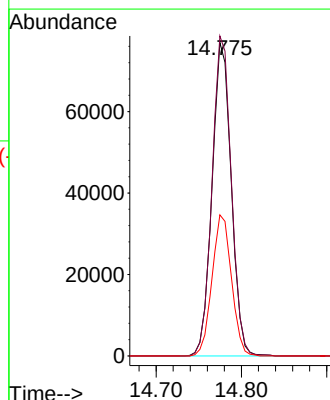
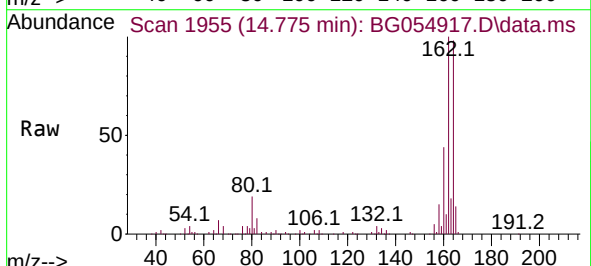
Delta R.T. -0.005 min

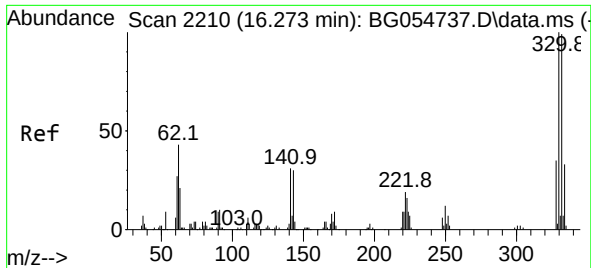
Lab File: BG054917.D

Acq: 12 Sep 2022 22:25

Tgt Ion:164 Resp: 119979

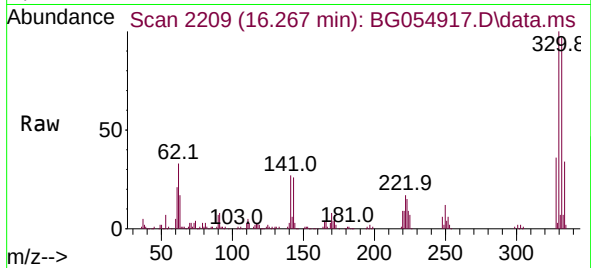
Ion	Ratio	Lower	Upper
164	100		
162	102.1	83.0	124.4
160	45.0	38.0	57.0





#42
2,4,6-Tribromophenol
Concen: 109.571 ng
RT: 16.267 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG054917.D
Acq: 12 Sep 2022 22:25

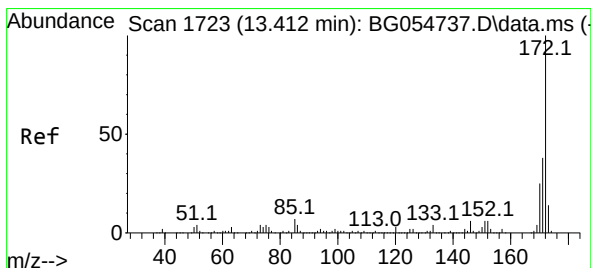
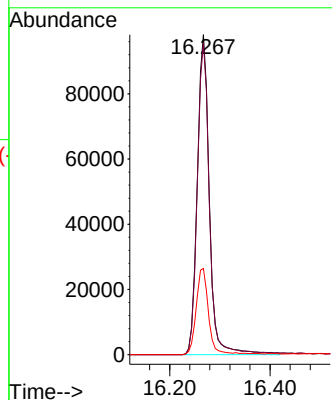
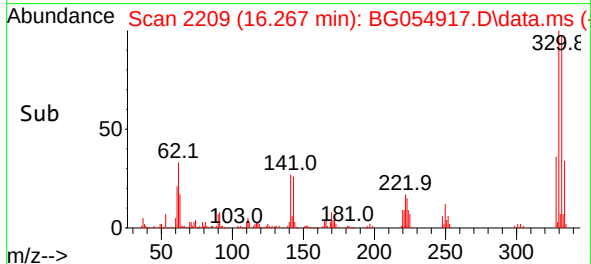
Instrument :
BNA_G
ClientSampleId :
72-11976



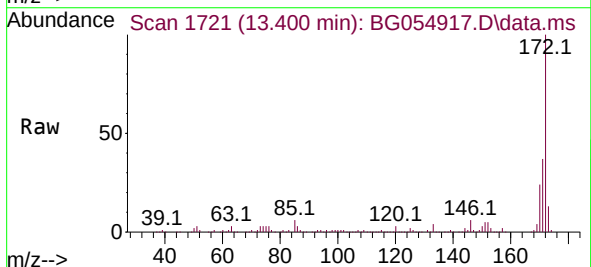
Tgt Ion:330 Resp: 16427
Ion Ratio Lower Upper
330 100
332 97.7 79.8 119.6
141 27.0 26.8 40.2

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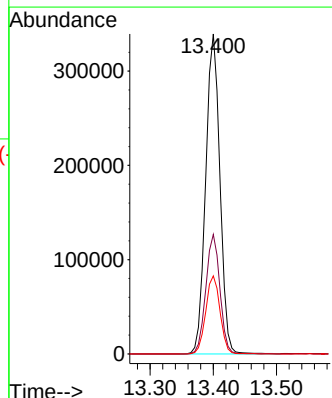
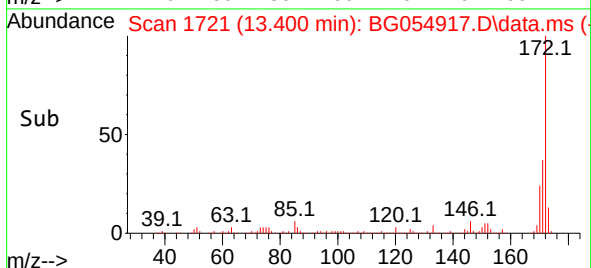
Reviewed By :Christian Giraldo 09/13/2022
Supervised By :Jagrut Upadhyay 09/13/2022

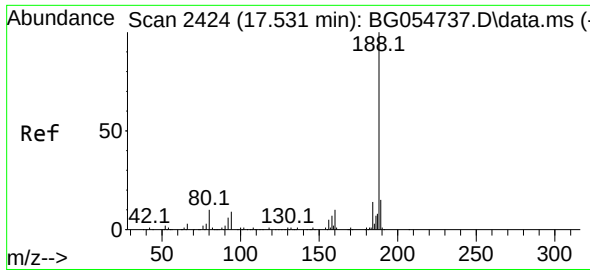


#45
2-Fluorobiphenyl
Concen: 66.382 ng
RT: 13.400 min Scan# 1721
Delta R.T. -0.005 min
Lab File: BG054917.D
Acq: 12 Sep 2022 22:25



Tgt Ion:172 Resp: 529897
Ion Ratio Lower Upper
172 100
171 37.3 31.2 46.8
170 24.4 20.6 30.8





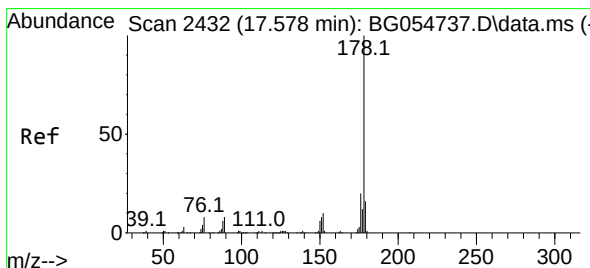
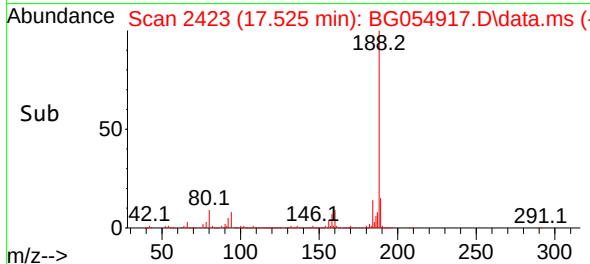
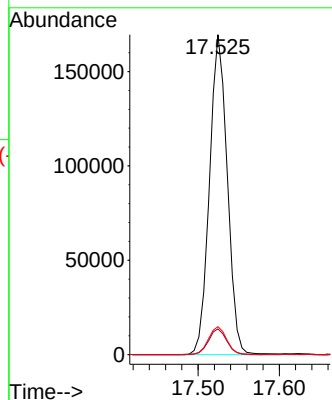
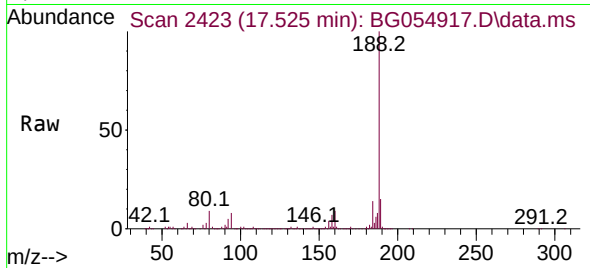
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.525 min Scan# 2424
Delta R.T. -0.005 min
Lab File: BG054917.D
Acq: 12 Sep 2022 22:25

Instrument :
BNA_G
ClientSampleId :
72-11976

Tgt Ion:188 Resp: 258420
Ion Ratio Lower Upper
188 100
94 8.0 7.0 10.4
80 8.7 7.9 11.9

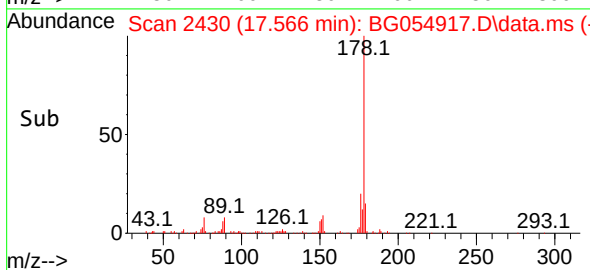
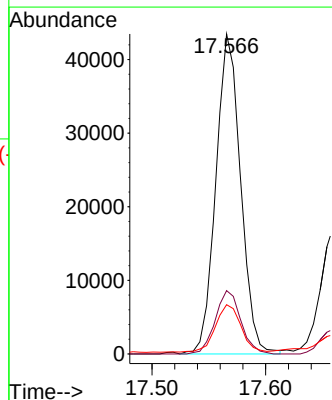
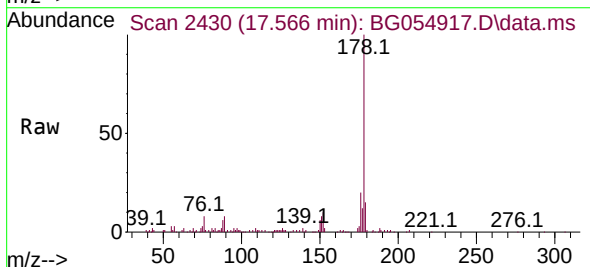
Manual Integrations
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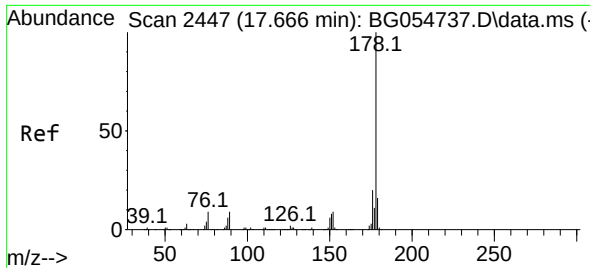
Reviewed By :Christian Giraldo 09/13/2022
Supervised By :Jagrut Upadhyay 09/13/2022



#71
Phenanthrene
Concen: 4.766 ng
RT: 17.566 min Scan# 2430
Delta R.T. -0.005 min
Lab File: BG054917.D
Acq: 12 Sep 2022 22:25

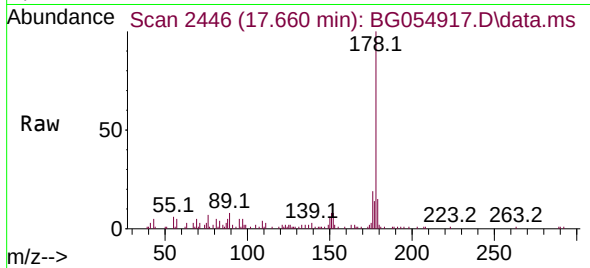
Tgt Ion:178 Resp: 65615
Ion Ratio Lower Upper
178 100
176 19.8 16.6 25.0
179 15.4 12.8 19.2





#72
 Anthracene
 Concen: 2.012 ng
 RT: 17.660 min Scan# 2447
 Delta R.T. -0.005 min
 Lab File: BG054917.D
 Acq: 12 Sep 2022 22:25

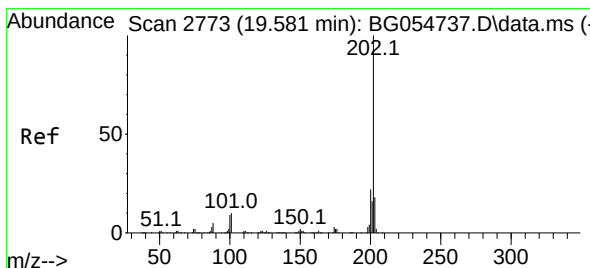
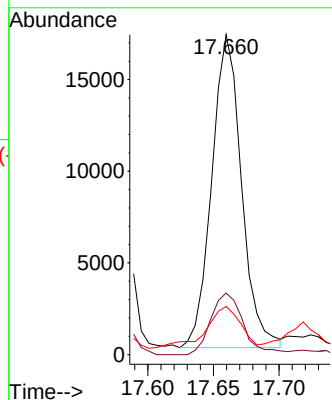
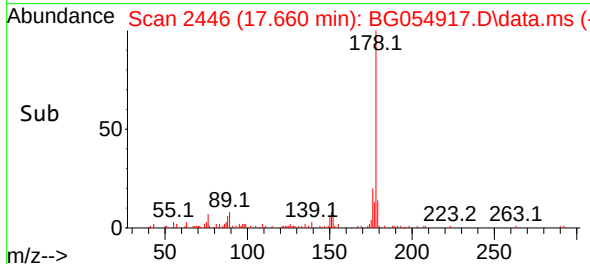
Instrument :
 BNA_G
 ClientSampleId :
 72-11976



Tgt Ion:178 Resp: 26930
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.2 24.4
 179 15.0 12.9 19.3

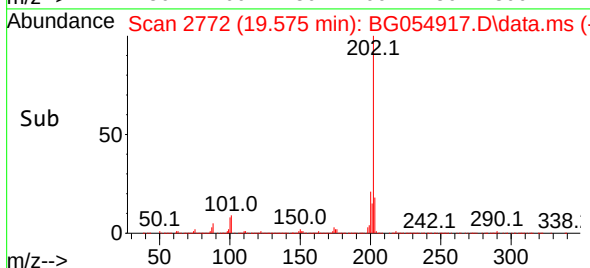
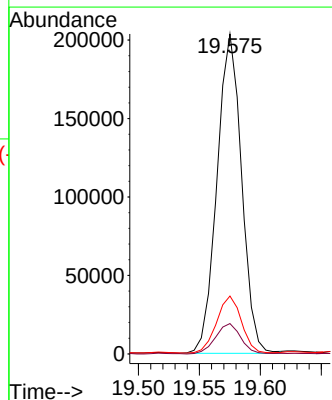
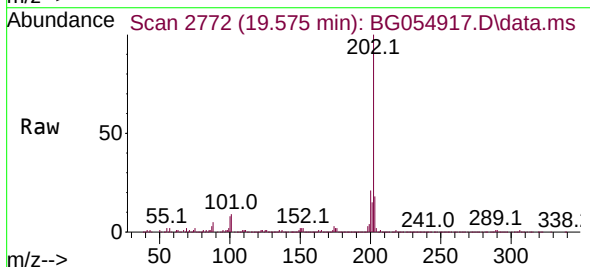
Manual Integrations
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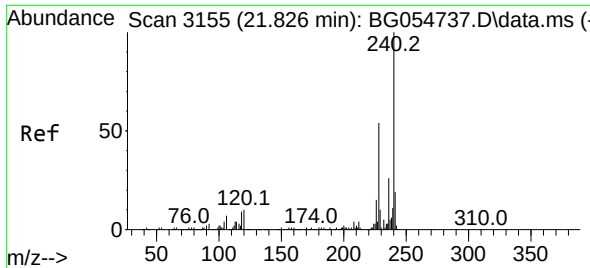
Reviewed By :Christian Giraldo 09/13/2022
 Supervised By :Jagrut Upadhyay 09/13/2022



#75
 Fluoranthene
 Concen: 17.061 ng
 RT: 19.575 min Scan# 2772
 Delta R.T. -0.005 min
 Lab File: BG054917.D
 Acq: 12 Sep 2022 22:25

Tgt Ion:202 Resp: 285713
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 31.4
 203 18.1 0.0 38.6





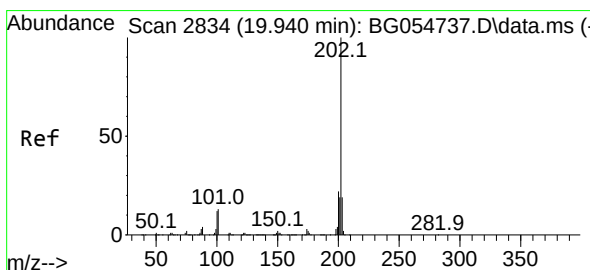
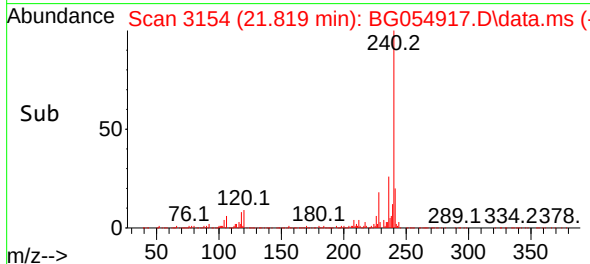
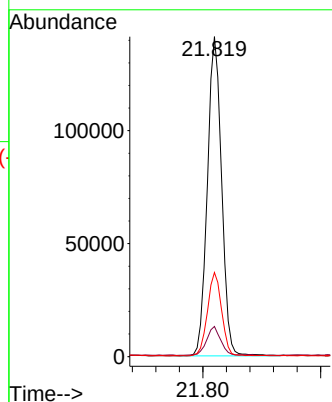
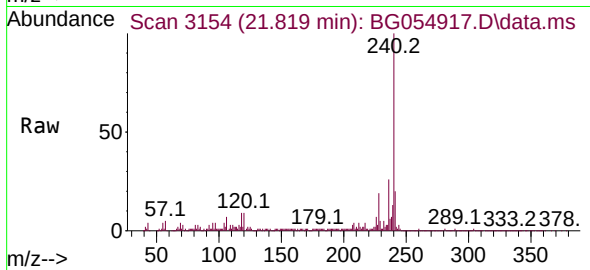
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.819 min Scan# 3155
Delta R.T. -0.005 min
Lab File: BG054917.D
Acq: 12 Sep 2022 22:25

Instrument :
BNA_G
ClientSampleId :
72-11976

Tgt Ion:240 Resp: 237562
Ion Ratio Lower Upper
240 100
120 9.4 8.2 12.4
236 26.3 21.2 31.8

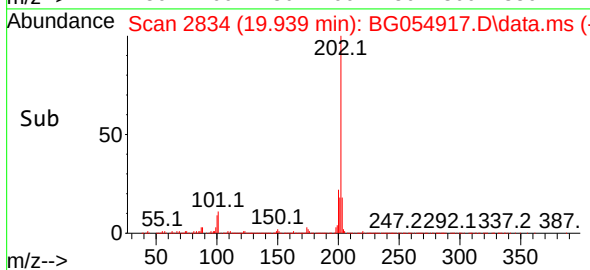
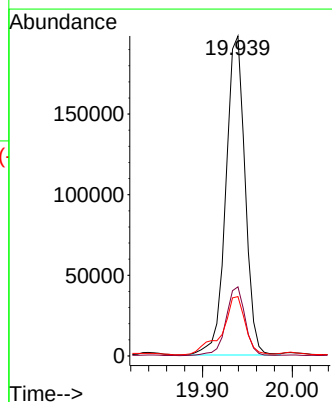
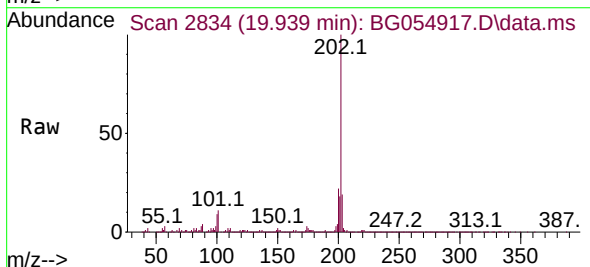
Manual Integrations
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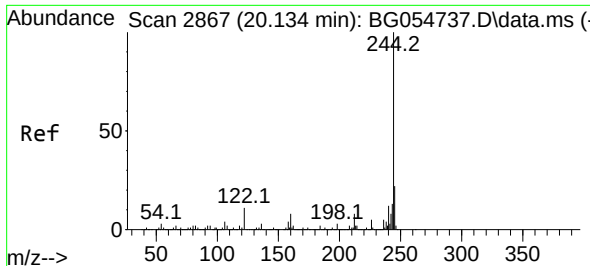
Reviewed By :Christian Giraldo 09/13/2022
Supervised By :Jagrut Upadhyay 09/13/2022



#78
Pyrene
Concen: 17.794 ng
RT: 19.939 min Scan# 2834
Delta R.T. 0.001 min
Lab File: BG054917.D
Acq: 12 Sep 2022 22:25

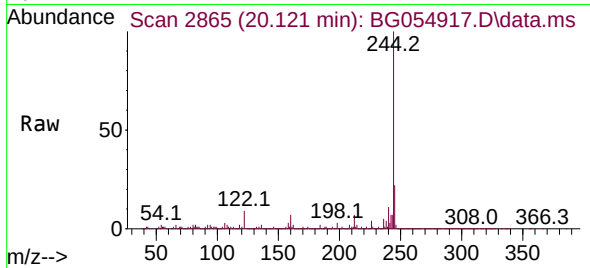
Tgt Ion:202 Resp: 294763
Ion Ratio Lower Upper
202 100
200 21.6 17.8 26.6
203 18.5 14.6 21.8





#79
 Terphenyl-d14
 Concen: 64.725 ng
 RT: 20.121 min Scan# 2865
 Delta R.T. -0.005 min
 Lab File: BG054917.D
 Acq: 12 Sep 2022 22:25

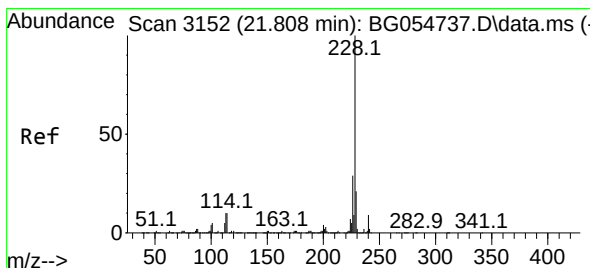
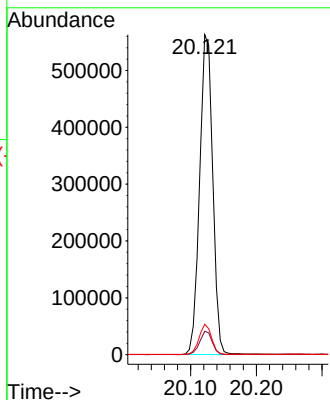
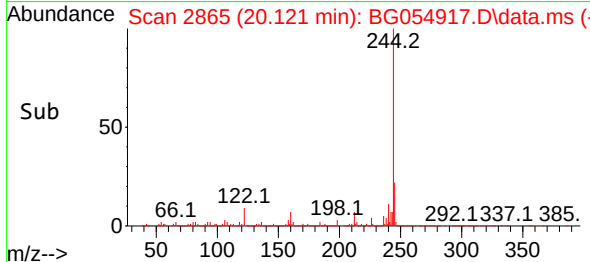
Instrument :
 BNA_G
 ClientSampleId :
 72-11976



Tgt Ion:244 Resp: 776032
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.2 9.2
 122 9.5 9.0 13.6

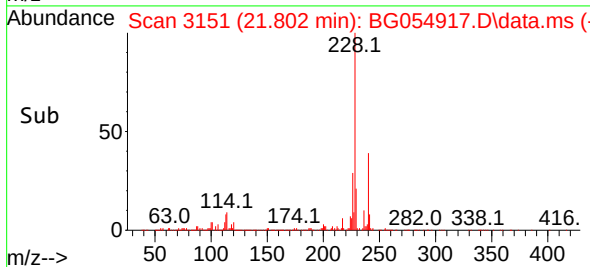
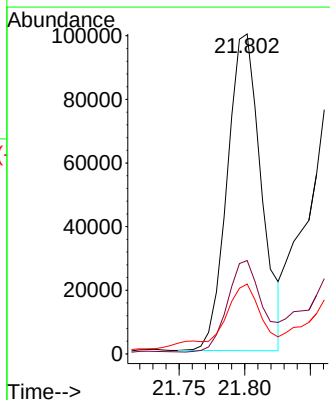
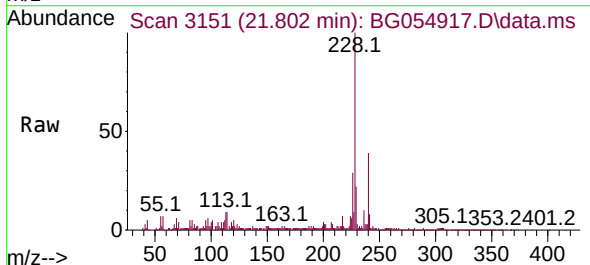
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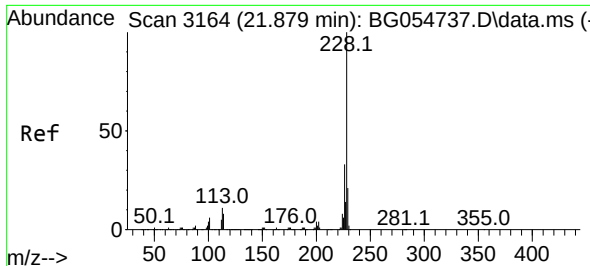
Reviewed By :Christian Giraldo 09/13/2022
 Supervised By :Jagrut Upadhyay 09/13/2022



#81
 Benzo(a)anthracene
 Concen: 11.164 ng
 RT: 21.802 min Scan# 3151
 Delta R.T. -0.005 min
 Lab File: BG054917.D
 Acq: 12 Sep 2022 22:25

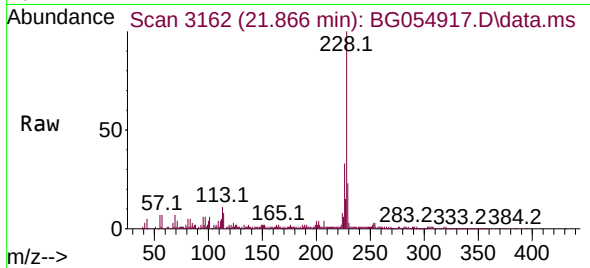
Tgt Ion:228 Resp: 179816
 Ion Ratio Lower Upper
 228 100
 226 29.2 23.4 35.2
 229 21.8 16.5 24.7





#83
Chrysene
Concen: 12.638 ng
RT: 21.866 min Scan# 3162
Delta R.T. -0.005 min
Lab File: BG054917.D
Acq: 12 Sep 2022 22:25

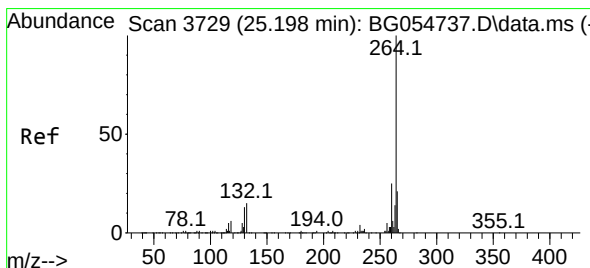
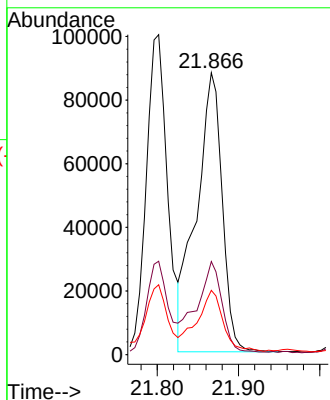
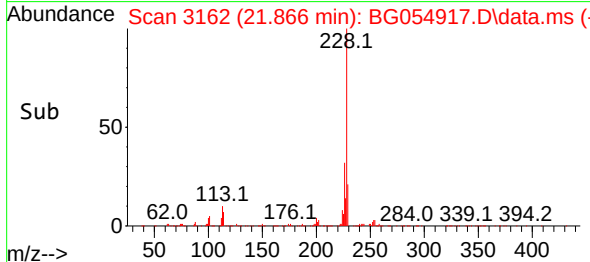
Instrument :
BNA_G
ClientSampleId :
72-11976



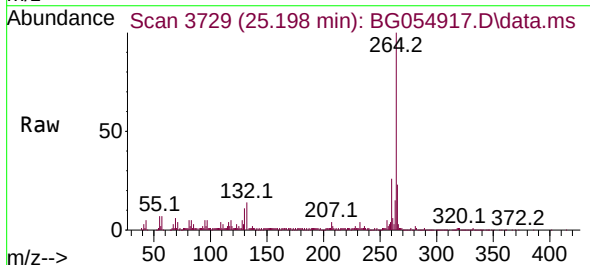
Tgt Ion:228 Resp: 194642
Ion Ratio Lower Upper
228 100
226 33.0 25.5 38.3
229 22.8 16.8 25.2

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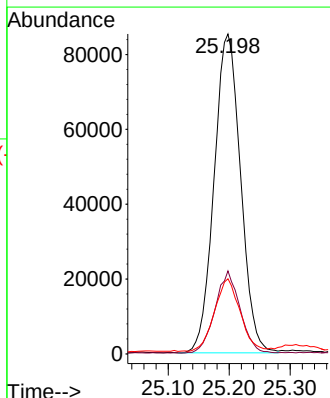
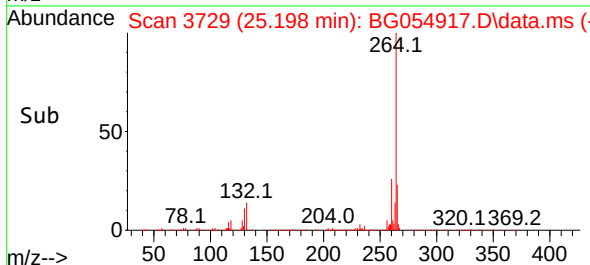
Reviewed By :Christian Giraldo 09/13/2022
Supervised By :Jagrut Upadhyay 09/13/2022

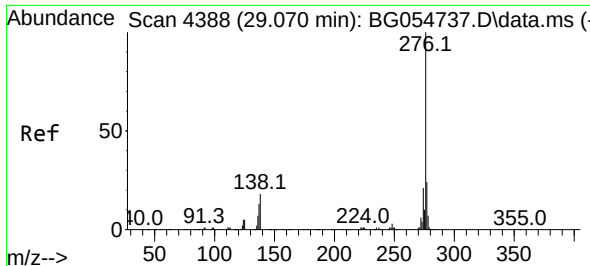


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.198 min Scan# 3729
Delta R.T. -0.005 min
Lab File: BG054917.D
Acq: 12 Sep 2022 22:25



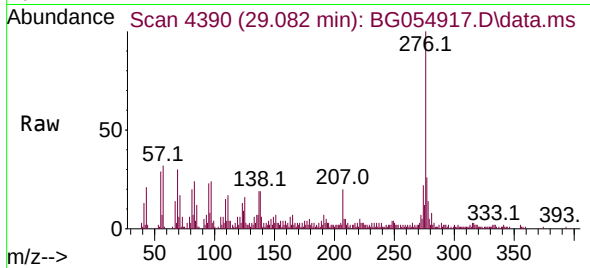
Tgt Ion:264 Resp: 257326
Ion Ratio Lower Upper
264 100
260 25.9 19.9 29.9
265 23.5 16.9 25.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.470 ng
RT: 29.082 min Scan# 4388
Delta R.T. -0.028 min
Lab File: BG054917.D
Acq: 12 Sep 2022 22:25

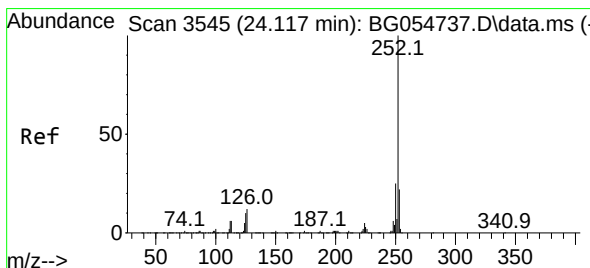
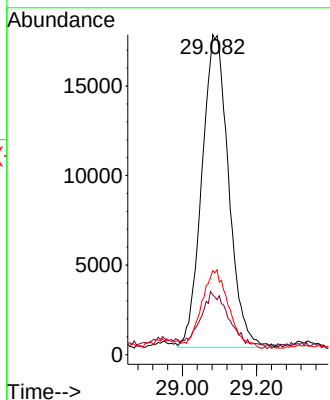
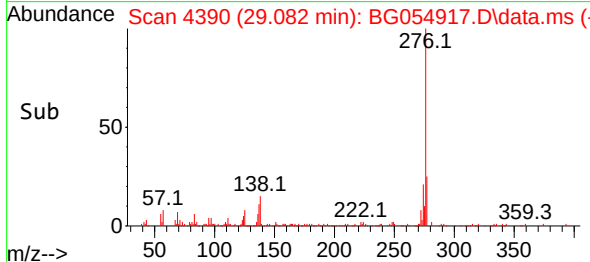
Instrument :
BNA_G
ClientSampleId :
72-11976



Tgt Ion: 276 Resp: 87329
Ion Ratio Lower Upper
276 100
138 16.1 12.0 18.0
277 25.6 20.2 30.4

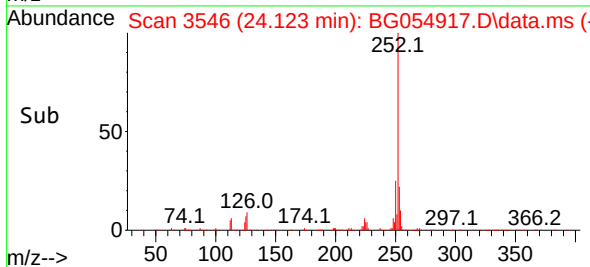
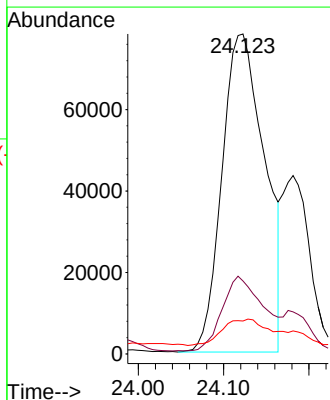
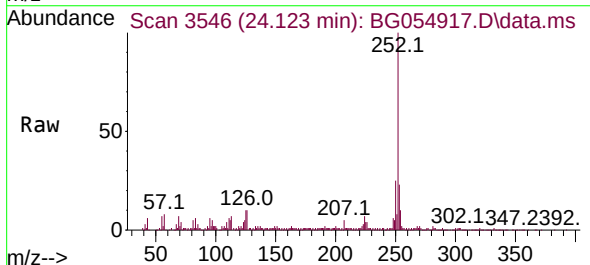
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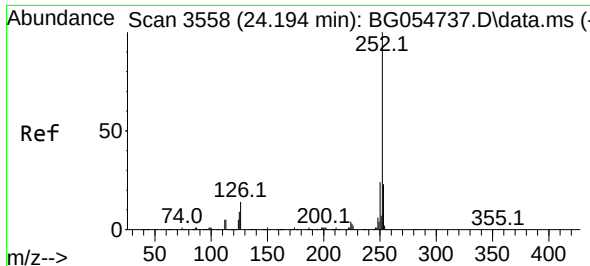
Reviewed By : Christian Giraldo 09/13/2022
Supervised By : Jagrut Upadhyay 09/13/2022



#88
Benzo(b)fluoranthene
Concen: 16.867 ng
RT: 24.123 min Scan# 3546
Delta R.T. 0.001 min
Lab File: BG054917.D
Acq: 12 Sep 2022 22:25

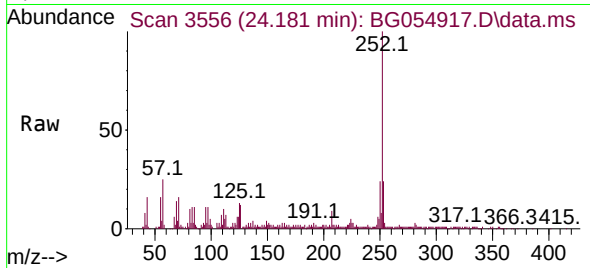
Tgt Ion: 252 Resp: 272267
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 10.3 8.1 12.1





#89
Benzo(k)fluoranthene
Concen: 5.913 ng m
RT: 24.181 min Scan# 3558
Delta R.T. -0.011 min
Lab File: BG054917.D
Acq: 12 Sep 2022 22:25

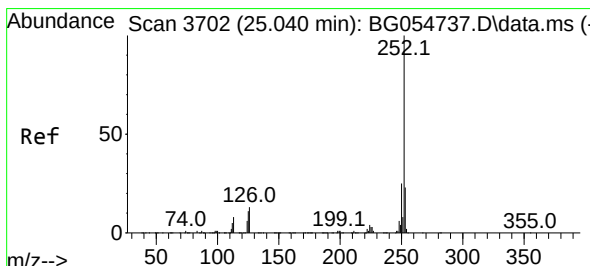
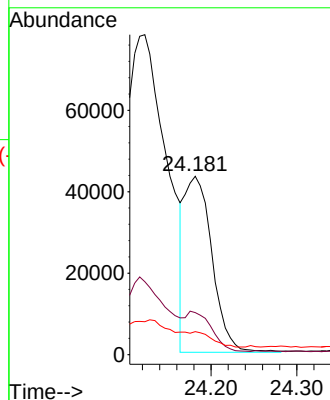
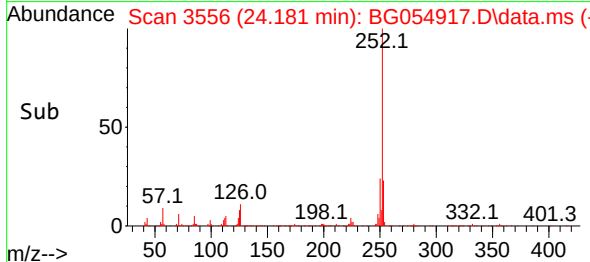
Instrument :
BNA_G
ClientSampleId :
72-11976



Tgt Ion:252 Resp: 96058
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 12.9 8.2 12.4

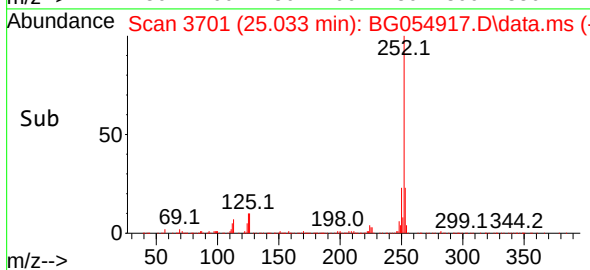
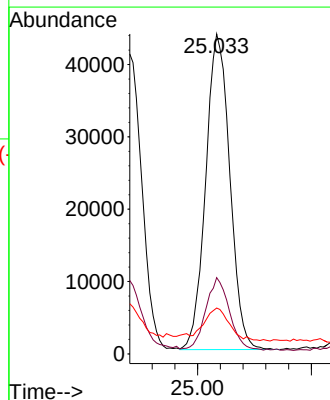
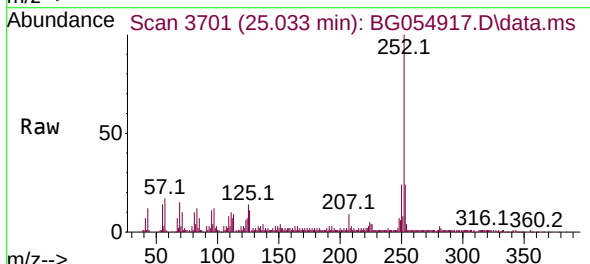
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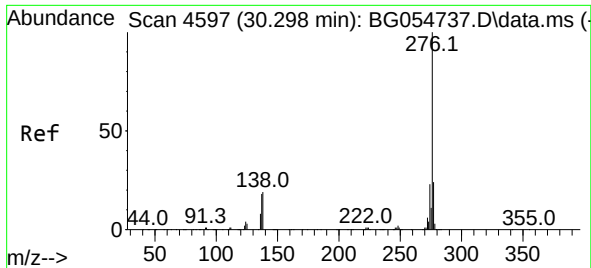
Reviewed By :Christian Giraldo 09/13/2022
Supervised By :Jagrut Upadhyay 09/13/2022



#90
Benzo(a)pyrene
Concen: 9.325 ng
RT: 25.033 min Scan# 3701
Delta R.T. -0.016 min
Lab File: BG054917.D
Acq: 12 Sep 2022 22:25

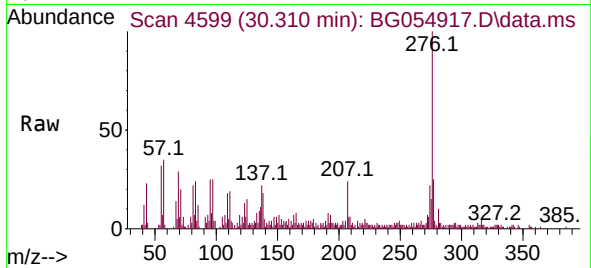
Tgt Ion:252 Resp: 128608
Ion Ratio Lower Upper
252 100
253 23.8 18.3 27.5
125 14.3 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 4.936 ng
 RT: 30.310 min Scan# 4599
 Delta R.T. -0.016 min
 Lab File: BG054917.D
 Acq: 12 Sep 2022 22:25

Instrument :
 BNA_G
 ClientSampleId :
 72-11976



Tgt Ion:276 Resp: 79364
 Ion Ratio Lower Upper
 276 100
 277 24.9 19.4 29.0
 138 18.3 16.6 25.0

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

