

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090622\
 Data File : BG054863.D
 Acq On : 6 Sep 2022 22:48
 Operator : CG/JU
 Sample : N4453-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SASP2-T-5-(0-5)

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/07/2022
 Supervised By : Jagrut Upadhyay 09/07/2022

Quant Time: Sep 07 05:02:25 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 17:50:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.155	152	59973	20.000	ng	0.00
21) Naphthalene-d8	10.981	136	233025	20.000	ng	0.00
39) Acenaphthene-d10	14.788	164	142023	20.000	ng	0.00
64) Phenanthrene-d10	17.532	188	286031	20.000	ng	0.00
76) Chrysene-d12	21.833	240	254745	20.000	ng	0.00
86) Perylene-d12	25.217	264	213333	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.705	112	345060	100.191	ng	0.02
7) Phenol-d6	7.315	99	452214	96.011	ng	0.02
23) Nitrobenzene-d5	9.330	82	272670	61.428	ng	0.00
42) 2,4,6-Tribromophenol	16.275	330	175551	98.920	ng	0.00
45) 2-Fluorobiphenyl	13.407	172	647683	68.544	ng	0.00
79) Terphenyl-d14	20.129	244	859382	66.842	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.579	178	186851	12.263	ng	98
72) Anthracene	17.667	178	42745	2.885	ng	97
75) Fluoranthene	19.583	202	462405	24.946	ng	98
78) Pyrene	19.947	202	422987	23.813	ng	99
81) Benzo(a)anthracene	21.809	228	263802	15.273	ng	99
83) Chrysene	21.880	228	235421m	14.255	ng	
87) Indeno(1,2,3-cd)pyrene	29.118	276	100939	6.233	ng	# 87
88) Benzo(b)fluoranthene	24.142	252	281736	21.052	ng	# 93
89) Benzo(k)fluoranthene	24.201	252	133777m	9.933	ng	
90) Benzo(a)pyrene	25.058	252	198255	17.340	ng	93
92) Benzo(g,h,i)perylene	30.352	276	99509m	7.465	ng	

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

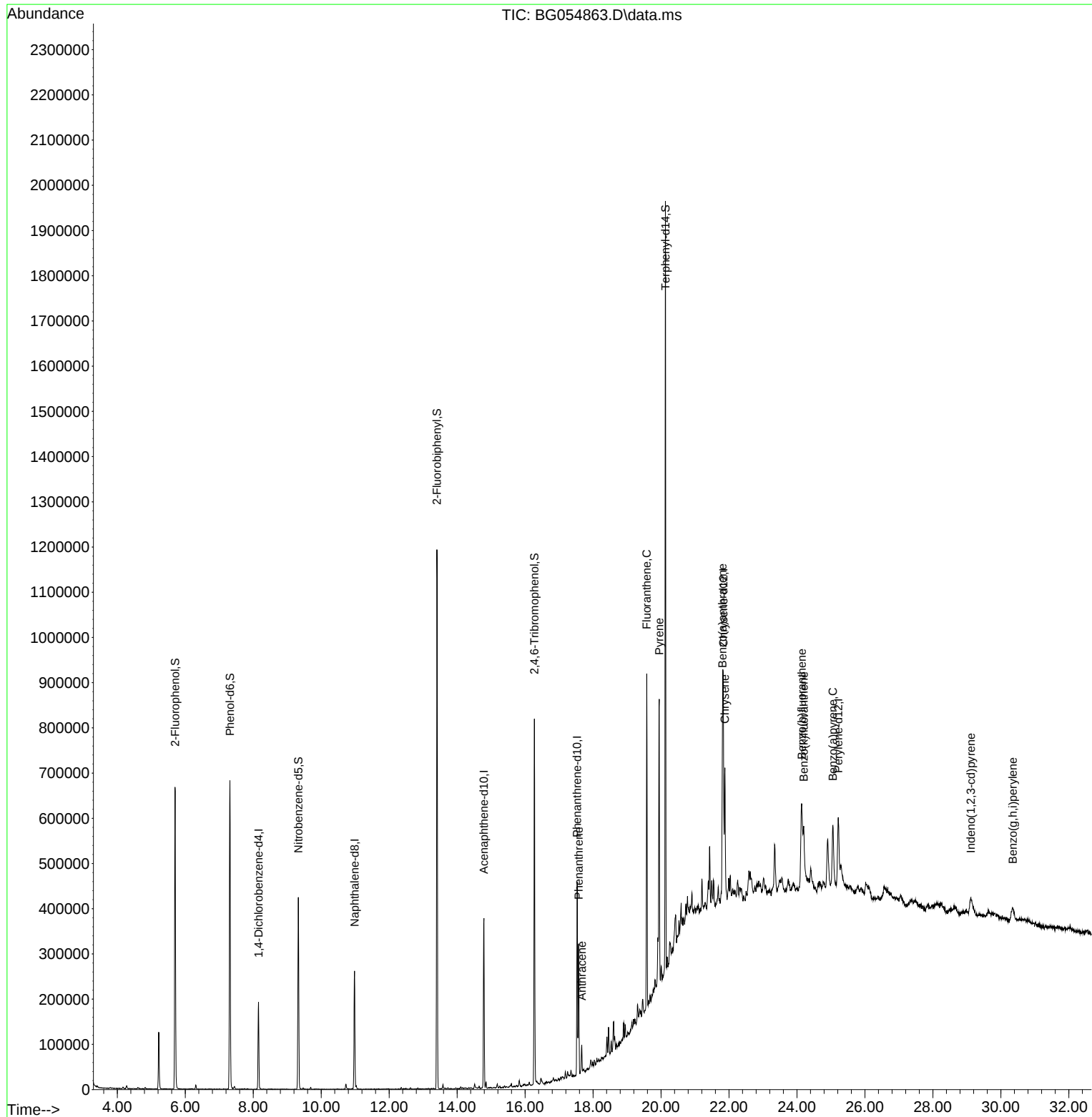
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090622\
Data File : BG054863.D
Acq On : 6 Sep 2022 22:48
Operator : CG/JU
Sample : N4453-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

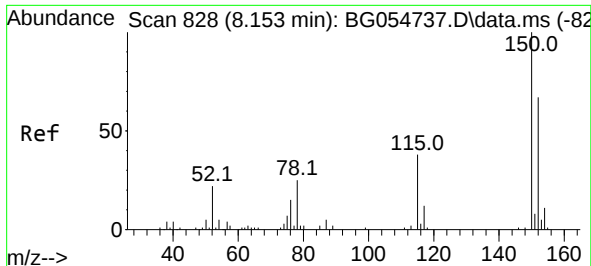
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Quant Time: Sep 07 05:02:25 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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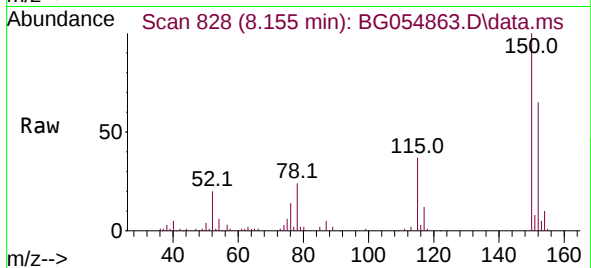
Reviewed By : Christian Giraldo 09/07/2022
Supervised By : Jagrut Upadhyay 09/07/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.155 min Scan# 81
Delta R.T. 0.002 min
Lab File: BG054863.D
Acq: 6 Sep 2022 22:48

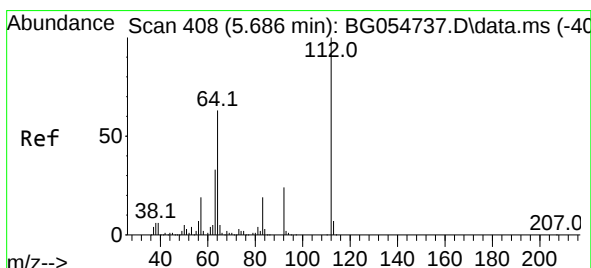
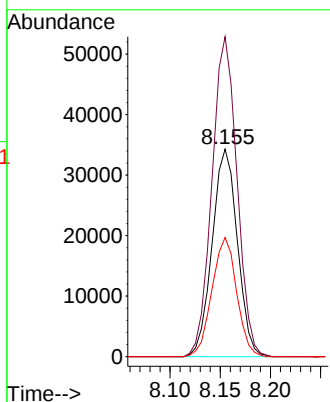
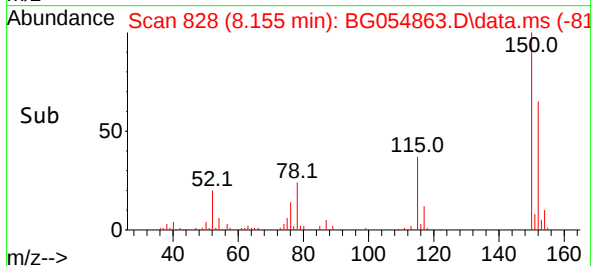
Instrument :
BNA_G
ClientSampleId :
SASP2-T-5-(0-5)



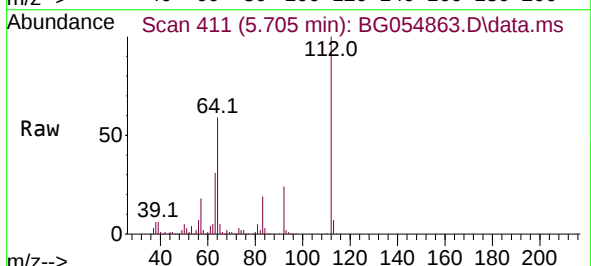
Tgt Ion:152 Resp: 59973
Ion Ratio Lower Upper
152 100
150 154.3 125.2 187.8
115 57.5 47.9 71.9

Manual Integrations
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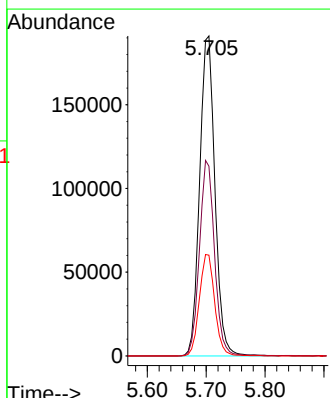
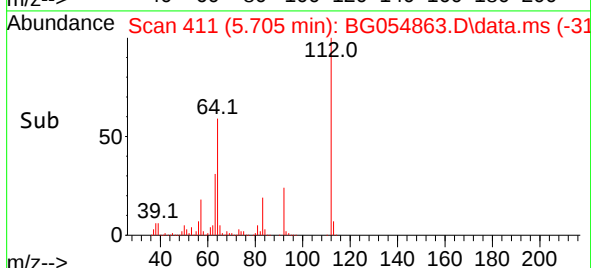
Reviewed By :Christian Giraldo 09/07/2022
Supervised By :Jagrut Upadhyay 09/07/2022



#5
2-Fluorophenol
Concen: 100.191 ng
RT: 5.705 min Scan# 411
Delta R.T. 0.019 min
Lab File: BG054863.D
Acq: 6 Sep 2022 22:48



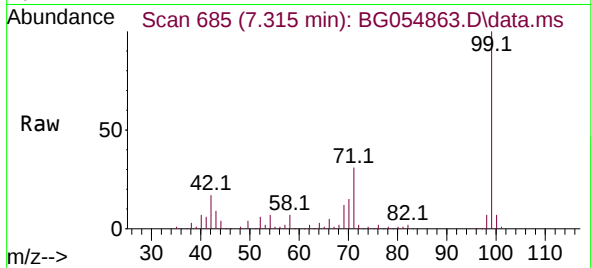
Tgt Ion:112 Resp: 345060
Ion Ratio Lower Upper
112 100
64 59.3 49.3 73.9
63 31.5 26.3 39.5





#7
Phenol-d6
Concen: 96.011 ng
RT: 7.315 min Scan# 682
Delta R.T. 0.019 min
Lab File: BG054863.D
Acq: 6 Sep 2022 22:48

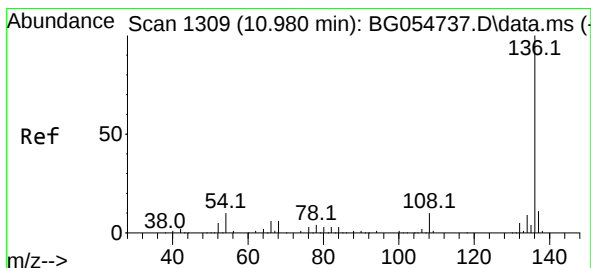
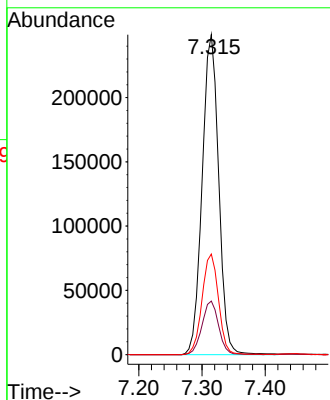
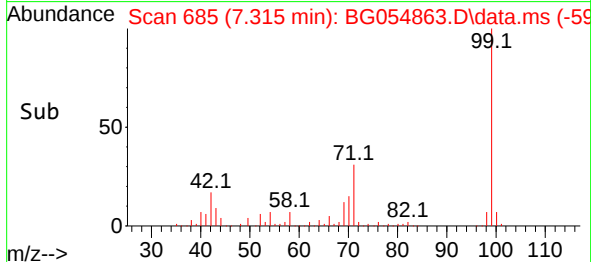
Instrument :
BNA_G
ClientSampleId :
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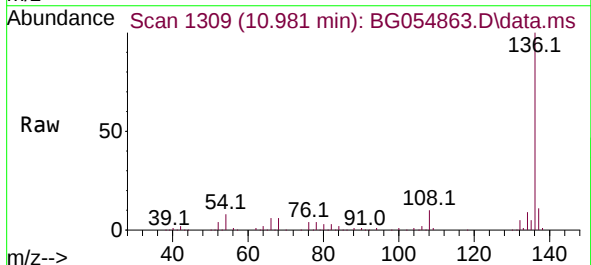
Tgt Ion: 99 Resp: 452214
Ion Ratio Lower Upper
99 100
42 16.7 14.6 22.0
71 31.4 24.6 37.0

Manual Integrations
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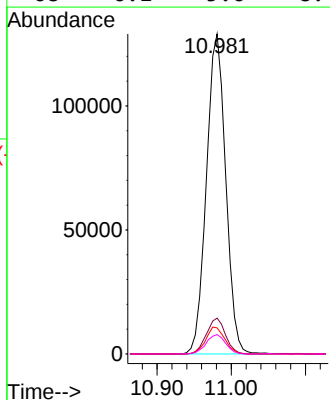
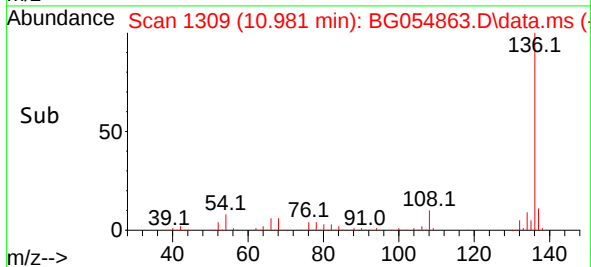
Reviewed By :Christian Giraldo 09/07/2022
Supervised By :Jagrut Upadhyay 09/07/2022

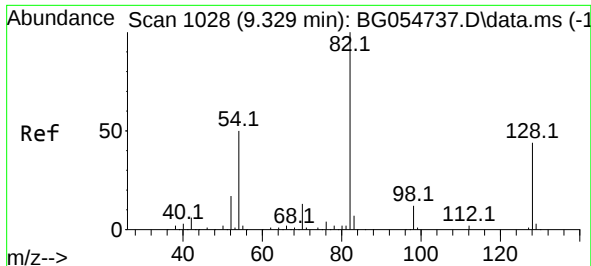


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.981 min Scan# 1309
Delta R.T. 0.001 min
Lab File: BG054863.D
Acq: 6 Sep 2022 22:48



Tgt Ion:136 Resp: 233025
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 8.1 7.7 11.5
68 6.1 5.6 8.4





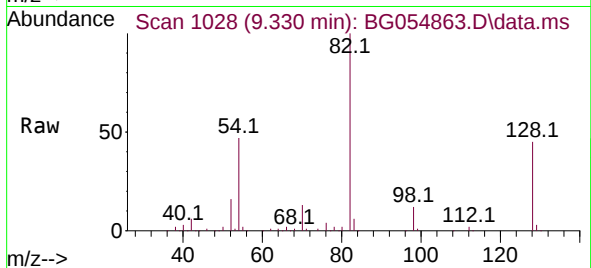
#23
Nitrobenzene-d5
Concen: 61.428 ng
RT: 9.330 min Scan# 1028
Delta R.T. 0.001 min
Lab File: BG054863.D
Acq: 6 Sep 2022 22:48

Instrument :

BNA_G

ClientSampleId :

SASP2-T-5-(0-5)

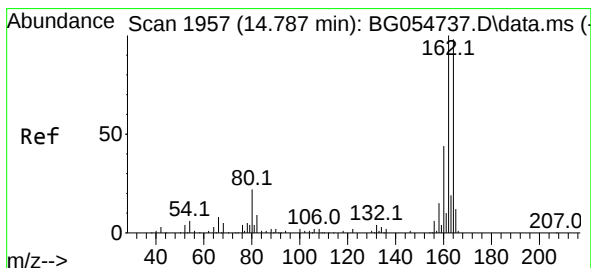
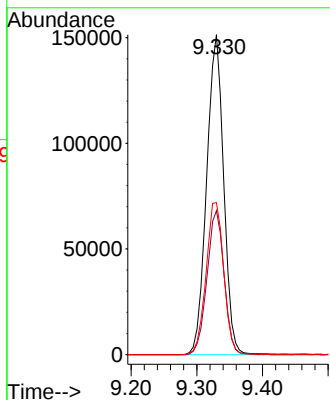
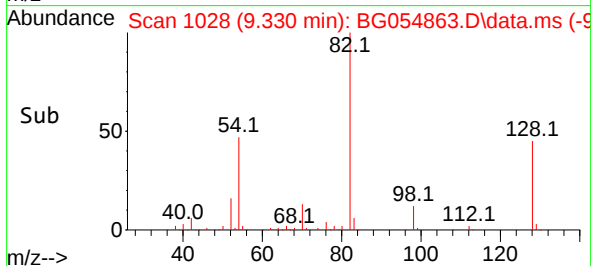


Tgt Ion: 82 Resp: 272670
Ion Ratio Lower Upper
82 100
128 45.0 32.2 48.2
54 47.5 41.4 62.0

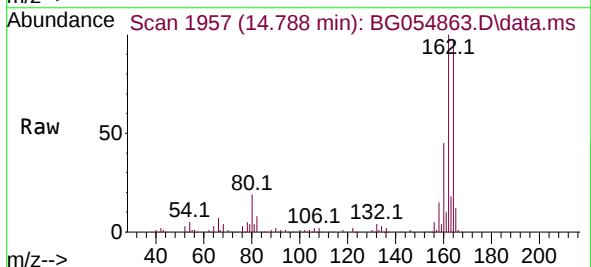
Manual Integrations

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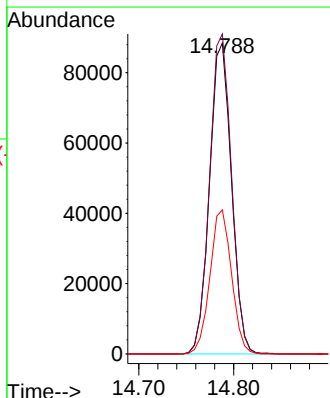
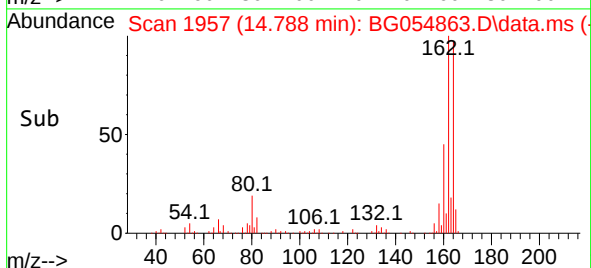
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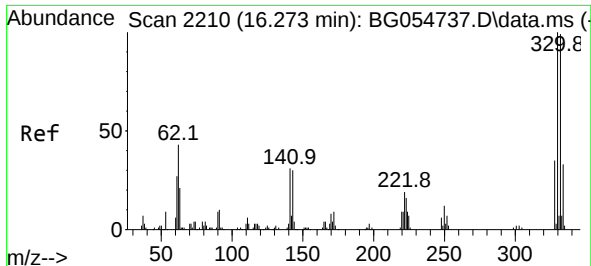


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.788 min Scan# 1957
Delta R.T. 0.001 min
Lab File: BG054863.D
Acq: 6 Sep 2022 22:48



Tgt Ion:164 Resp: 142023
Ion Ratio Lower Upper
164 100
162 103.0 83.0 124.4
160 46.3 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 98.920 ng
RT: 16.275 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG054863.D
Acq: 6 Sep 2022 22:48

Instrument :

BNA_G

ClientSampleId :

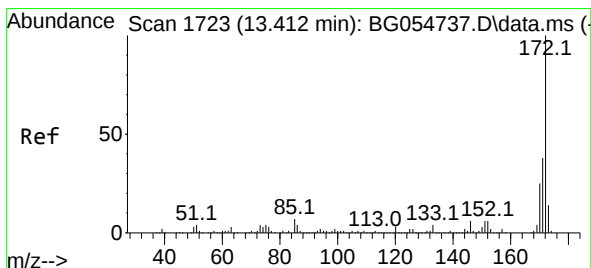
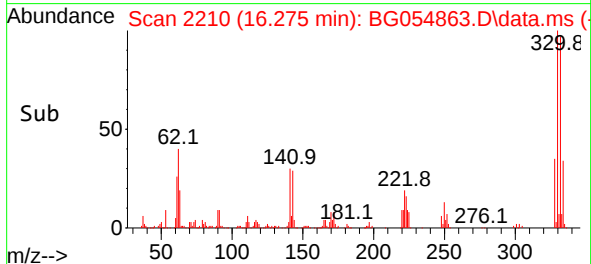
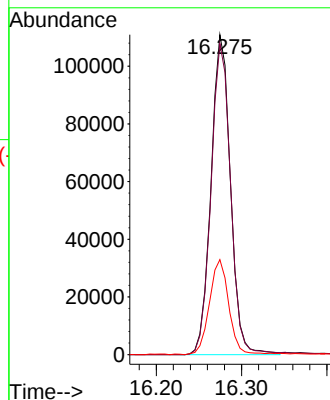
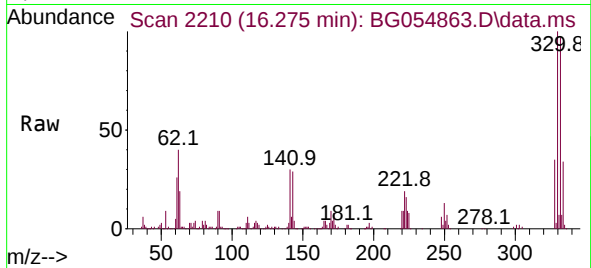
SASP2-T-5-(0-5)

Tgt Ion:330 Resp: 17555
Ion Ratio Lower Upper
330 100
332 98.5 79.8 119.6
141 29.5 26.8 40.2

Manual Integrations

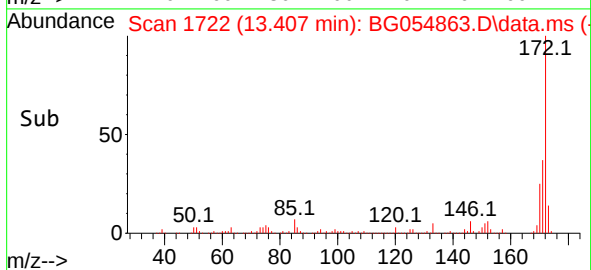
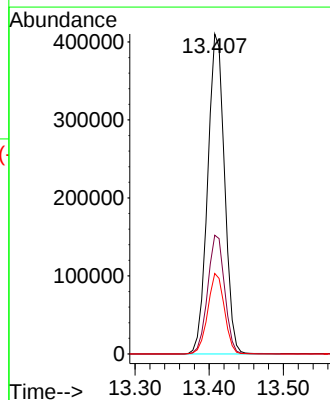
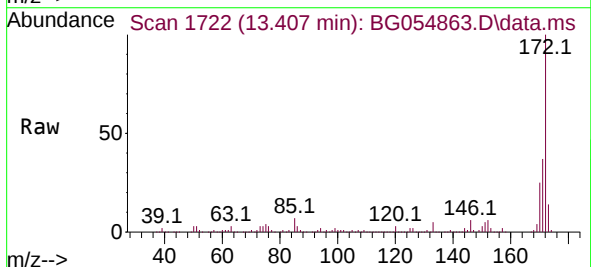
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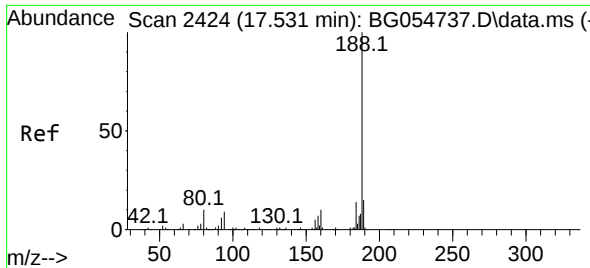
Reviewed By :Christian Giraldo 09/07/2022
Supervised By :Jagrut Upadhyay 09/07/2022



#45
2-Fluorobiphenyl
Concen: 68.544 ng
RT: 13.407 min Scan# 1722
Delta R.T. -0.005 min
Lab File: BG054863.D
Acq: 6 Sep 2022 22:48

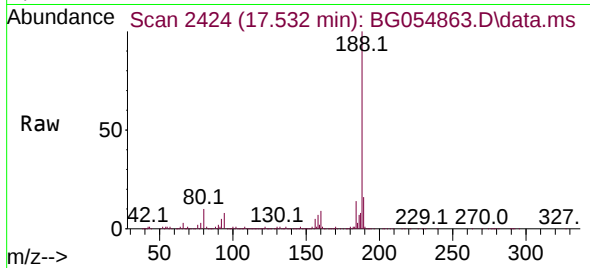
Tgt Ion:172 Resp: 647683
Ion Ratio Lower Upper
172 100
171 37.1 31.2 46.8
170 25.1 20.6 30.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.532 min Scan# 2424
Delta R.T. 0.001 min
Lab File: BG054863.D
Acq: 6 Sep 2022 22:48

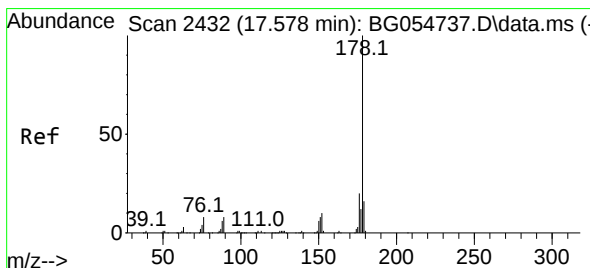
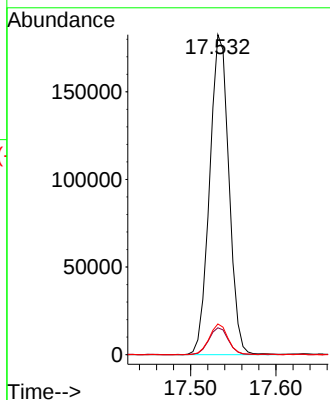
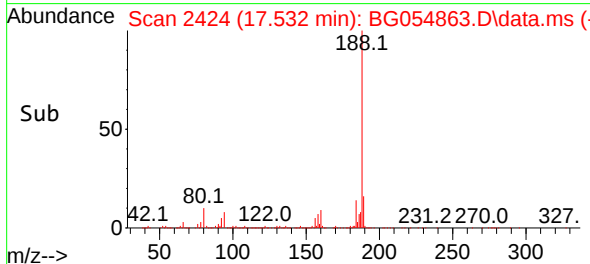
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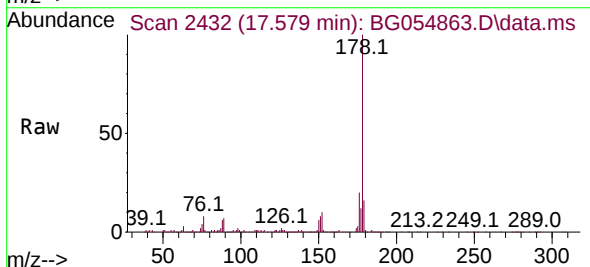
Tgt Ion:188 Resp: 286031
Ion Ratio Lower Upper
188 100
94 8.4 7.0 10.4
80 9.6 7.9 11.9

Manual Integrations
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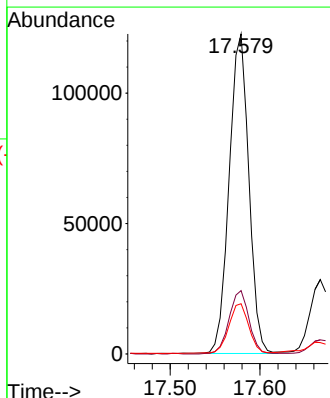
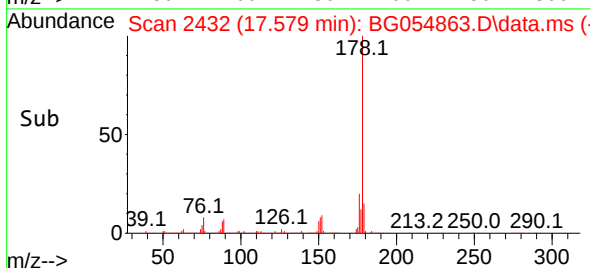
Reviewed By :Christian Giraldo 09/07/2022
Supervised By :Jagrut Upadhyay 09/07/2022

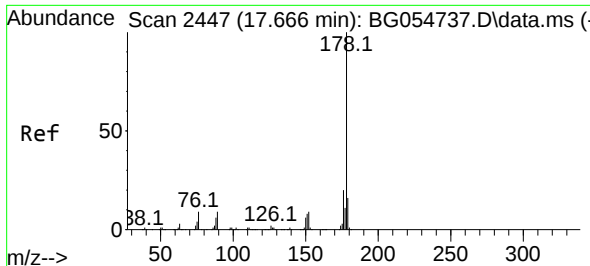


#71
Phenanthrene
Concen: 12.263 ng
RT: 17.579 min Scan# 2432
Delta R.T. 0.001 min
Lab File: BG054863.D
Acq: 6 Sep 2022 22:48



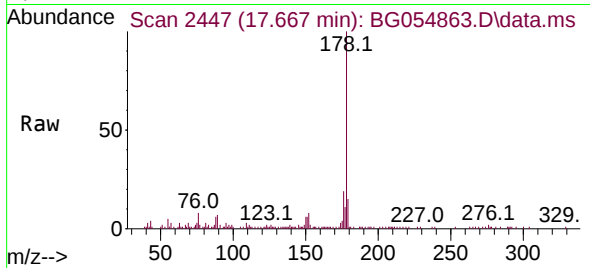
Tgt Ion:178 Resp: 186851
Ion Ratio Lower Upper
178 100
176 19.8 16.6 25.0
179 15.7 12.8 19.2





#72
 Anthracene
 Concen: 2.885 ng
 RT: 17.667 min Scan# 2447
 Delta R.T. 0.001 min
 Lab File: BG054863.D
 Acq: 6 Sep 2022 22:48

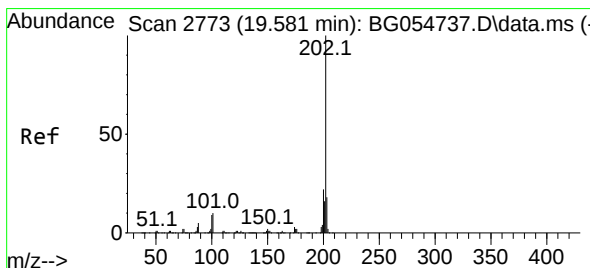
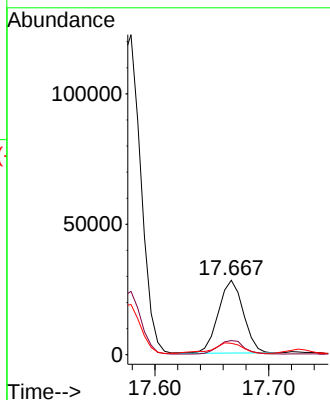
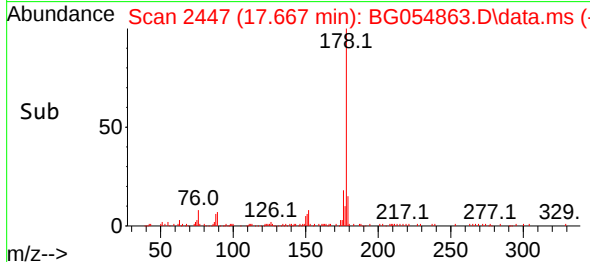
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Tgt Ion:178 Resp: 42745
 Ion Ratio Lower Upper
 178 100
 176 18.9 16.2 24.4
 179 15.3 12.9 19.3

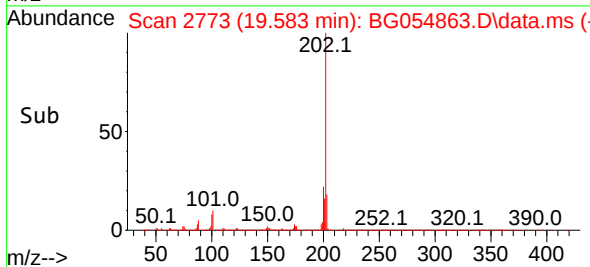
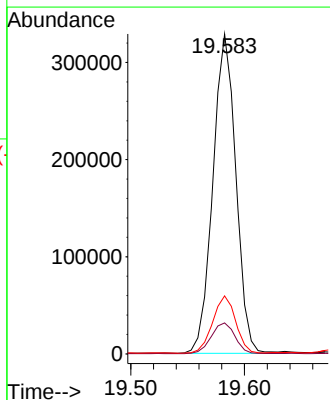
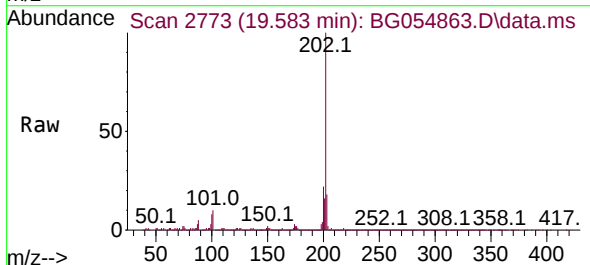
Manual Integrations
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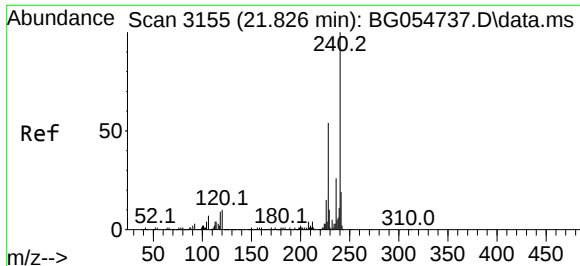
Reviewed By :Christian Giraldo 09/07/2022
 Supervised By :Jagrut Upadhyay 09/07/2022



#75
 Fluoranthene
 Concen: 24.946 ng
 RT: 19.583 min Scan# 2773
 Delta R.T. 0.001 min
 Lab File: BG054863.D
 Acq: 6 Sep 2022 22:48

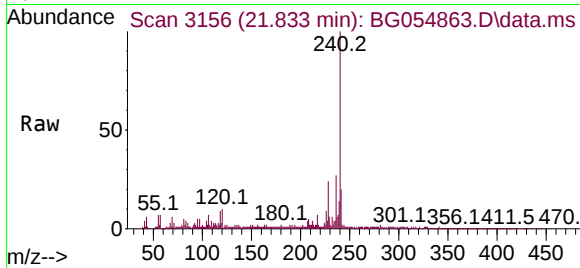
Tgt Ion:202 Resp: 462405
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 31.4
 203 18.1 0.0 38.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.833 min Scan# 3155
Delta R.T. 0.007 min
Lab File: BG054863.D
Acq: 6 Sep 2022 22:48

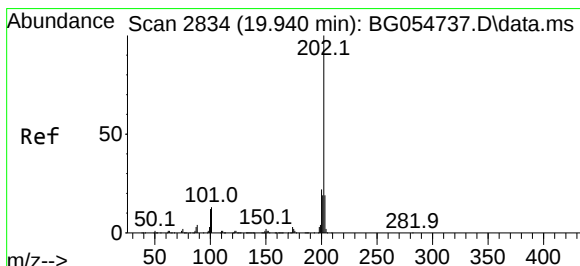
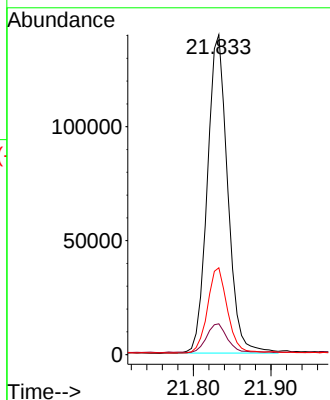
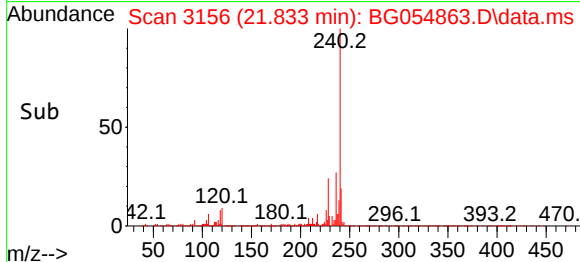
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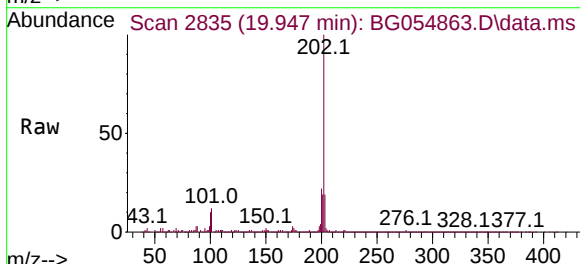
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Ion Ratio Lower Upper
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236 27.1 21.2 31.8

Manual Integrations
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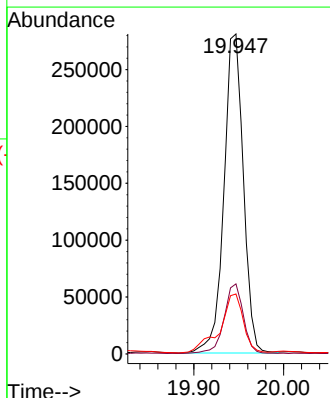
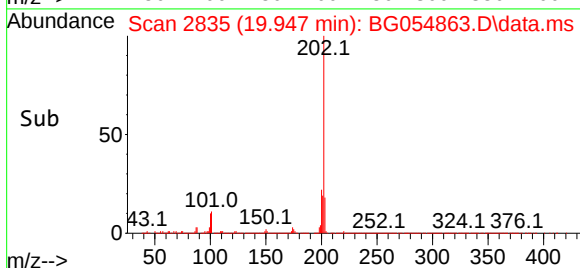
Reviewed By :Christian Giraldo 09/07/2022
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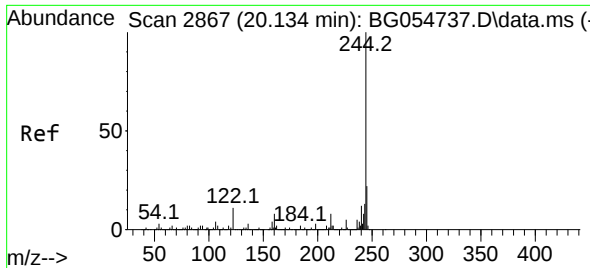


#78
Pyrene
Concen: 23.813 ng
RT: 19.947 min Scan# 2835
Delta R.T. 0.007 min
Lab File: BG054863.D
Acq: 6 Sep 2022 22:48



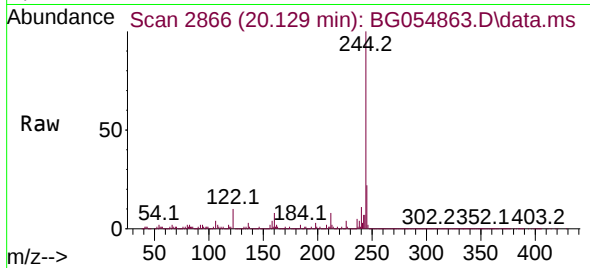
Tgt Ion:202 Resp: 422987
Ion Ratio Lower Upper
202 100
200 21.9 17.8 26.6
203 18.7 14.6 21.8





#79
 Terphenyl-d14
 Concen: 66.842 ng
 RT: 20.129 min Scan# 2867
 Delta R.T. -0.005 min
 Lab File: BG054863.D
 Acq: 6 Sep 2022 22:48

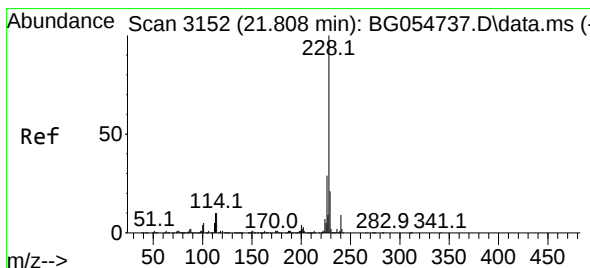
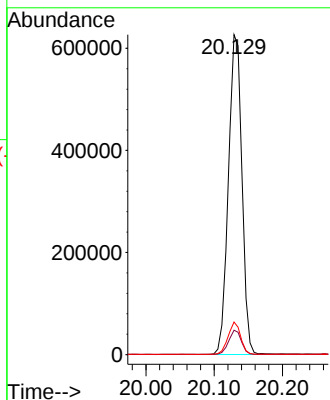
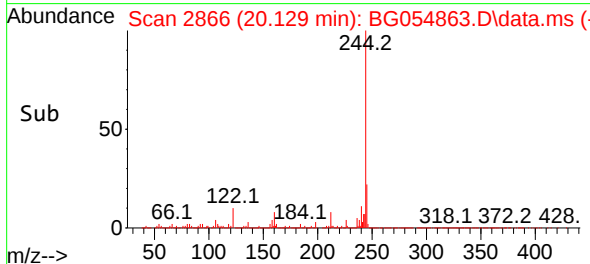
Instrument :
 BNA_G
 ClientSampleId :
 SASP2-T-5-(0-5)



Tgt Ion:244 Resp: 859382
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.2
 122 10.2 9.0 13.6

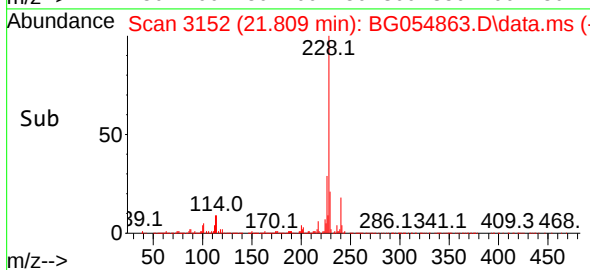
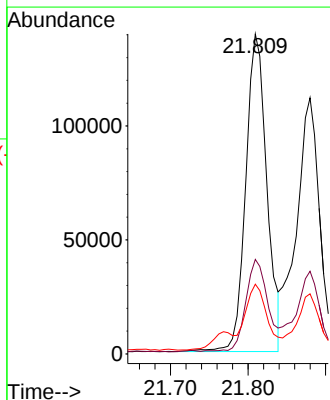
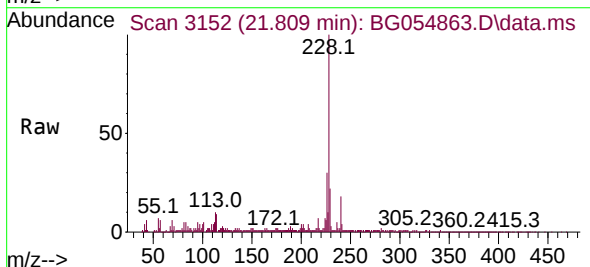
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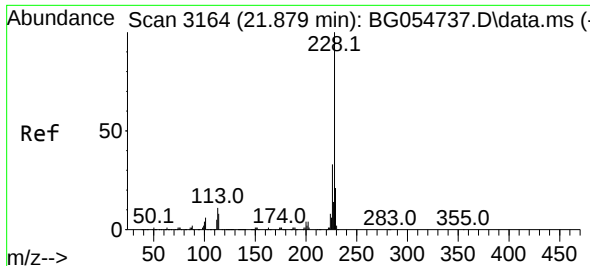
Reviewed By :Christian Giraldo 09/07/2022
 Supervised By :Jagrut Upadhyay 09/07/2022



#81
 Benzo(a)anthracene
 Concen: 15.273 ng
 RT: 21.809 min Scan# 3152
 Delta R.T. 0.001 min
 Lab File: BG054863.D
 Acq: 6 Sep 2022 22:48

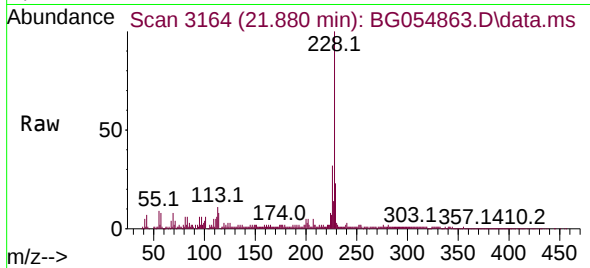
Tgt Ion:228 Resp: 263802
 Ion Ratio Lower Upper
 228 100
 226 29.5 23.4 35.2
 229 21.8 16.5 24.7





#83
Chrysene
Concen: 14.255 ng m
RT: 21.880 min Scan# 31
Delta R.T. 0.001 min
Lab File: BG054863.D
Acq: 6 Sep 2022 22:48

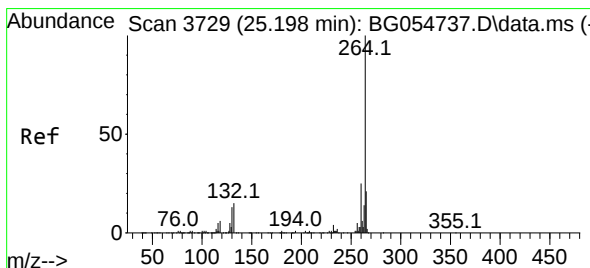
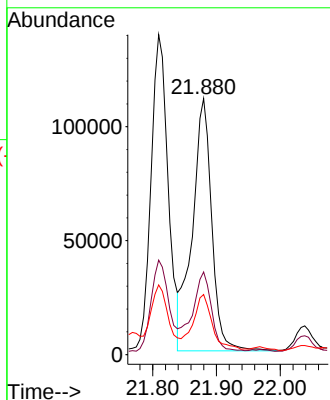
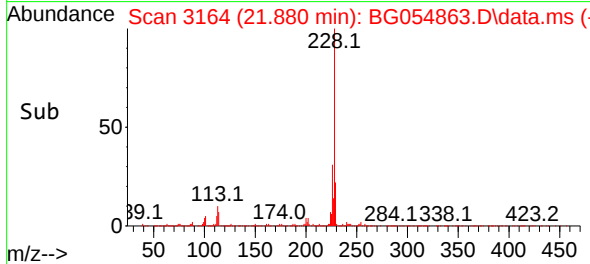
Instrument :
BNA_G
ClientSampleId :
SASP2-T-5-(0-5)



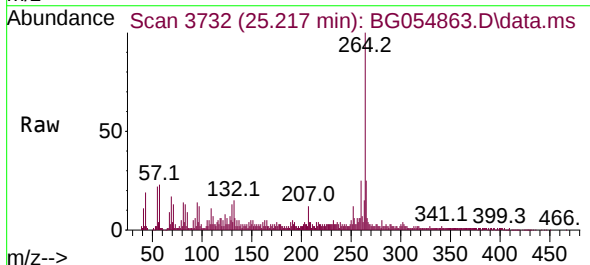
Tgt Ion:228 Resp: 23542
Ion Ratio Lower Upper
228 100
226 32.2 25.5 38.3
229 23.4 16.8 25.2

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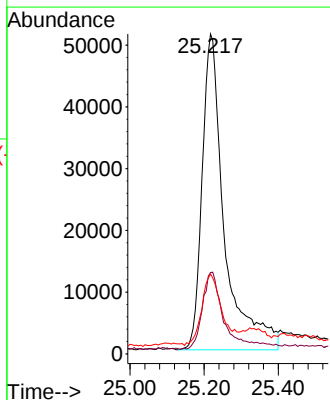
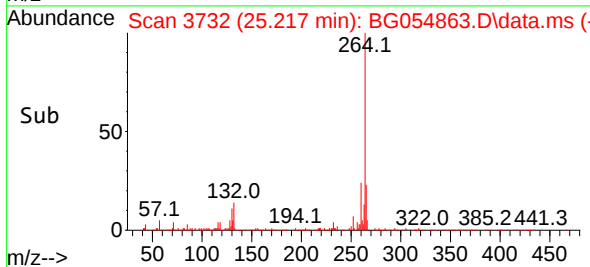
Reviewed By :Christian Giraldo 09/07/2022
Supervised By :Jagrut Upadhyay 09/07/2022

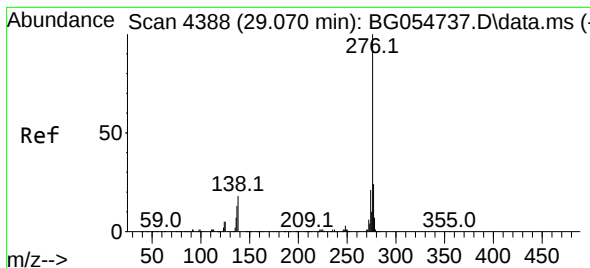


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.217 min Scan# 3732
Delta R.T. 0.019 min
Lab File: BG054863.D
Acq: 6 Sep 2022 22:48



Tgt Ion:264 Resp: 213333
Ion Ratio Lower Upper
264 100
260 25.4 19.9 29.9
265 24.9 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.233 ng

RT: 29.118 min Scan# 4388

Delta R.T. 0.048 min

Lab File: BG054863.D

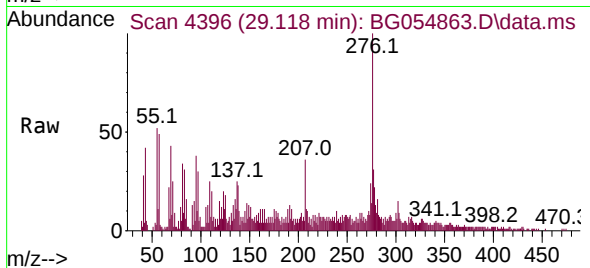
Acq: 6 Sep 2022 22:48

Instrument :

BNA_G

ClientSampleId :

SASP2-T-5-(0-5)



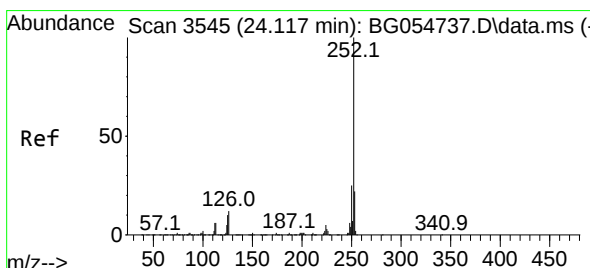
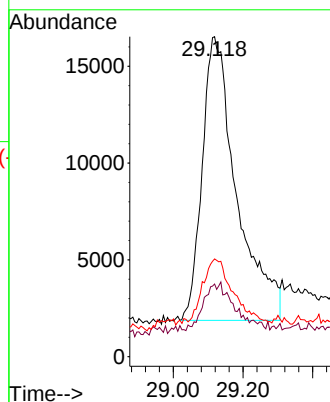
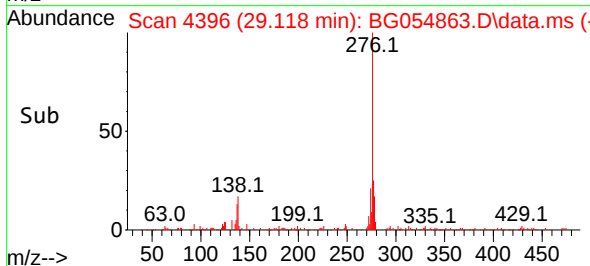
Tgt Ion:	276	Resp:	100939
Ion Ratio	Lower	Upper	
276	100		
138	6.6	12.0	18.0
277	20.6	20.2	30.4

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Supervised By :Jagrut Upadhyay 09/07/2022



#88

Benzo(b)fluoranthene

Concen: 21.052 ng

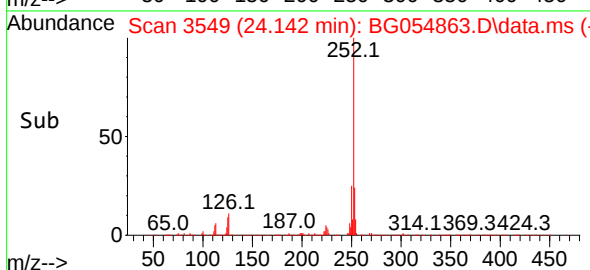
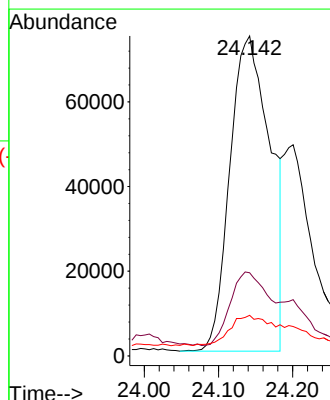
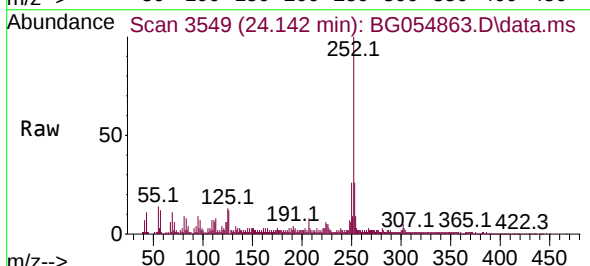
RT: 24.142 min Scan# 3549

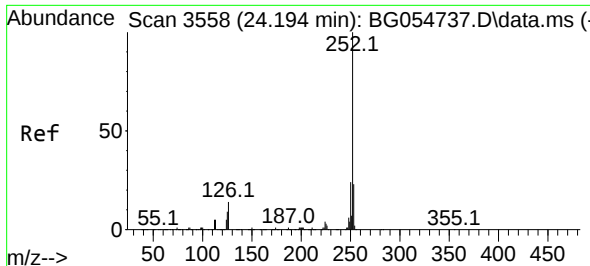
Delta R.T. 0.025 min

Lab File: BG054863.D

Acq: 6 Sep 2022 22:48

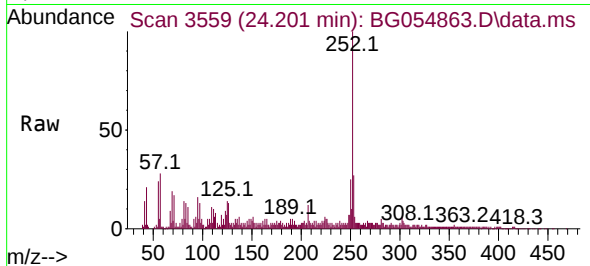
Tgt Ion:	252	Resp:	281736
Ion Ratio	Lower	Upper	
252	100		
253	26.0	18.0	27.0
125	12.7	8.1	12.1





#89
Benzo(k)fluoranthene
Concen: 9.933 ng m
RT: 24.201 min Scan# 31
Delta R.T. 0.007 min
Lab File: BG054863.D
Acq: 6 Sep 2022 22:48

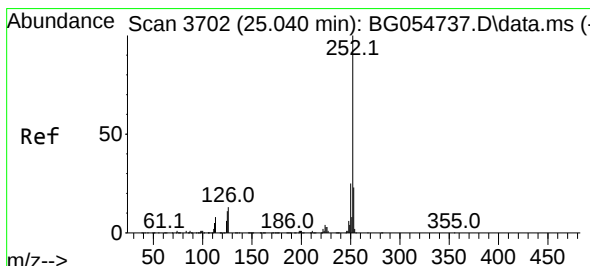
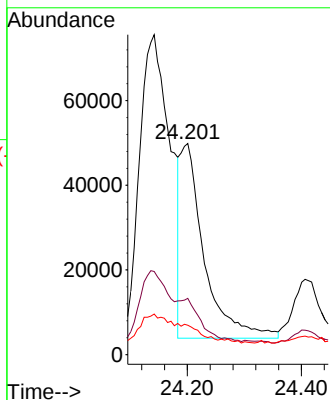
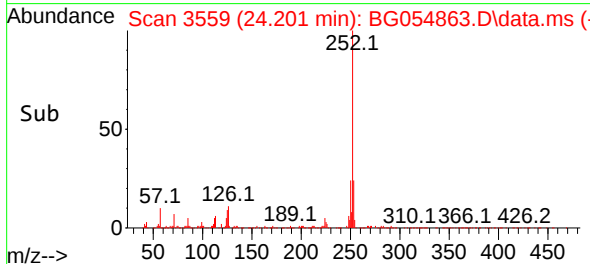
Instrument :
BNA_G
ClientSampleId :
SASP2-T-5-(0-5)



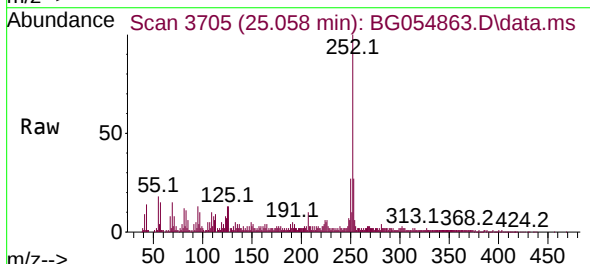
Tgt Ion:252 Resp: 133772
Ion Ratio Lower Upper
252 100
253 26.6 17.8 26.8
125 13.9 8.2 12.4

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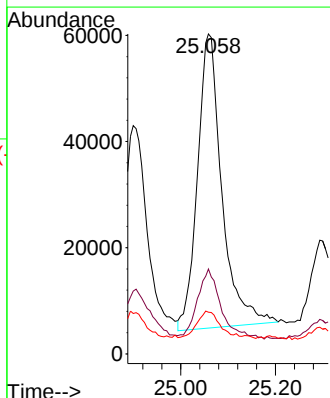
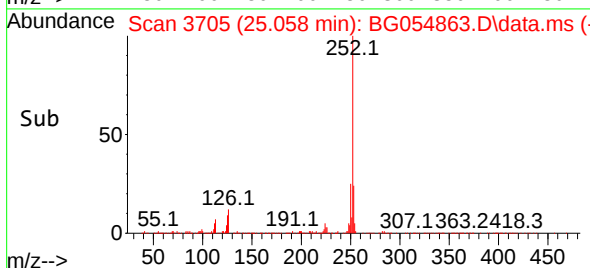
Reviewed By :Christian Giraldo 09/07/2022
Supervised By :Jagrut Upadhyay 09/07/2022

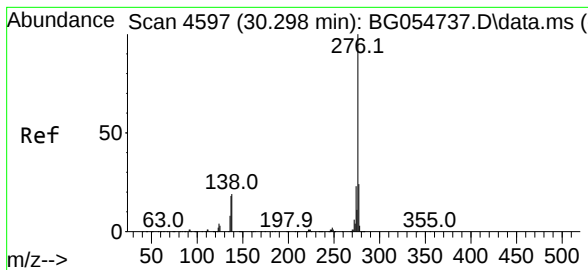


#90
Benzo(a)pyrene
Concen: 17.340 ng
RT: 25.058 min Scan# 3705
Delta R.T. 0.019 min
Lab File: BG054863.D
Acq: 6 Sep 2022 22:48



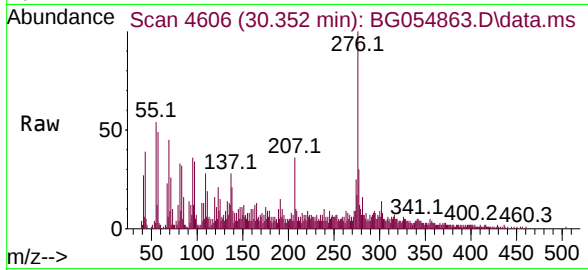
Tgt Ion:252 Resp: 198255
Ion Ratio Lower Upper
252 100
253 26.5 18.3 27.5
125 13.0 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 7.465 ng m
 RT: 30.352 min Scan# 4606
 Delta R.T. 0.054 min
 Lab File: BG054863.D
 Acq: 6 Sep 2022 22:48

Instrument :
 BNA_G
 ClientSampleId :
 SASP2-T-5-(0-5)



Tgt Ion: 276 Resp: 99509

Ion	Ratio	Lower	Upper
276	100		
277	30.2	19.4	29.0
138	21.1	16.6	25.0

Manual Integrations
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Reviewed By : Christian Giraldo 09/07/2022
 Supervised By : Jagrut Upadhyay 09/07/2022

