

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072822\
 Data File : BG054430.D
 Acq On : 28 Jul 2022 13:41
 Operator : CG/JU
 Sample : N3893-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-4

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 07/29/2022
 Supervised By :Jagrut Upadhyay 07/29/2022

Quant Time: Jul 29 04:08:29 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 04:30:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.988	152	18197	20.000	ng	0.00
21) Naphthalene-d8	10.796	136	70849	20.000	ng	# 0.00
39) Acenaphthene-d10	14.621	164	54729	20.000	ng	0.00
64) Phenanthrene-d10	17.371	188	132574	20.000	ng	# 0.00
76) Chrysene-d12	21.636	240	149012	20.000	ng	# 0.00
86) Perylene-d12	24.839	264	157162	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.561	112	104322	119.697	ng	0.00
7) Phenol-d6	7.171	99	140620	117.748	ng	0.00
23) Nitrobenzene-d5	9.151	82	93061	71.530	ng	0.00
42) 2,4,6-Tribromophenol	16.113	330	122997	107.037	ng	0.00
45) 2-Fluorobiphenyl	13.246	172	281951	72.676	ng	0.00
79) Terphenyl-d14	19.980	244	545977	72.686	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.412	178	74708	11.316	ng	98
72) Anthracene	17.500	178	26438	4.081	ng	97
75) Fluoranthene	19.421	202	214425	23.826	ng	95
78) Pyrene	19.786	202	198926	23.266	ng	97
81) Benzo(a)anthracene	21.613	228	127625	13.492	ng	99
83) Chrysene	21.678	228	108535	12.145	ng	97
87) Indeno(1,2,3-cd)pyrene	28.505	276	97739	8.175	ng	# 96
88) Benzo(b)fluoranthene	23.822	252	162250	17.457	ng	# 96
89) Benzo(k)fluoranthene	23.881	252	46782m	5.058	ng	
90) Benzo(a)pyrene	24.686	252	127425m	16.054	ng	
92) Benzo(g,h,i)perylene	29.656	276	98028	10.103	ng	# 91

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

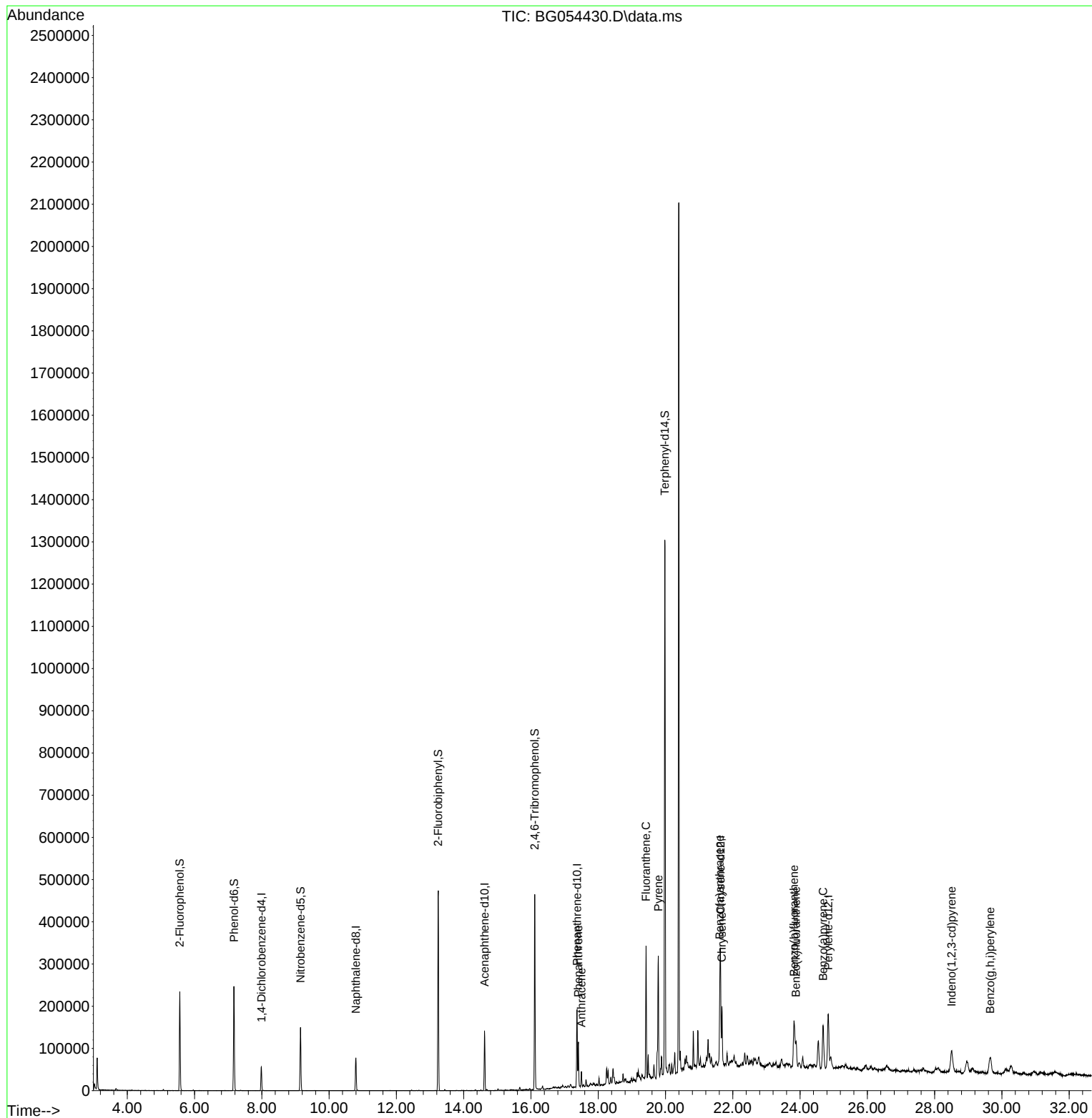
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072822\
Data File : BG054430.D
Acq On : 28 Jul 2022 13:41
Operator : CG/JU
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ALS Vial : 6 Sample Multiplier: 1

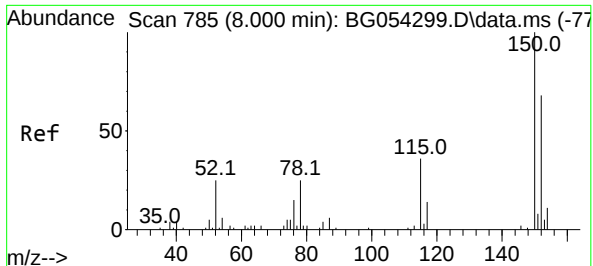
Instrument :
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ClientSampleId :
RVE-4

Quant Time: Jul 29 04:08:29 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 28 04:30:50 2022
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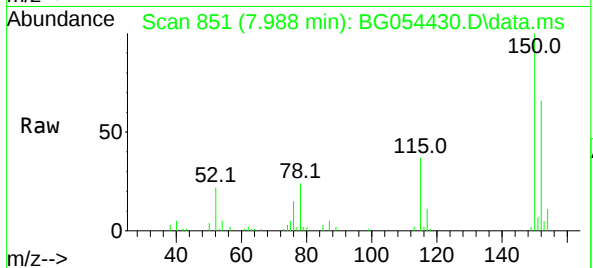
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.988 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG054430.D
Acq: 28 Jul 2022 13:41

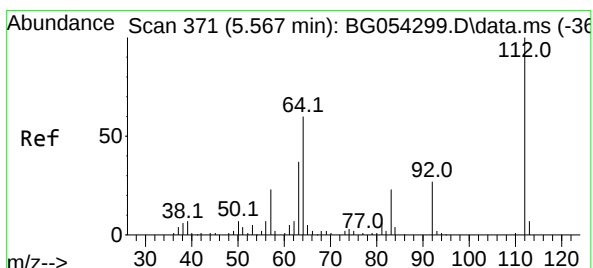
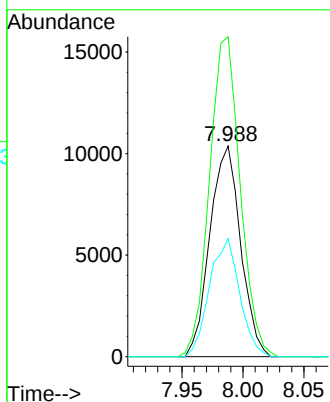
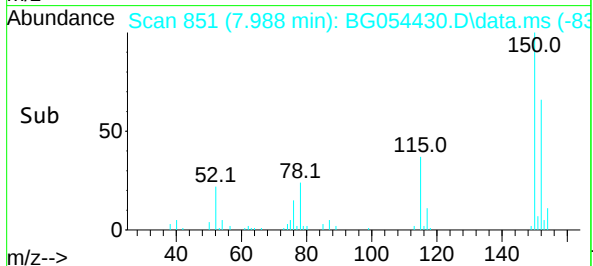
Instrument :
BNA_G
ClientSampleId :
RVE-4



Tgt Ion:152 Resp: 1819
Ion Ratio Lower Upper
152 100
150 152.0 131.6 197.4
115 56.1 50.9 76.3

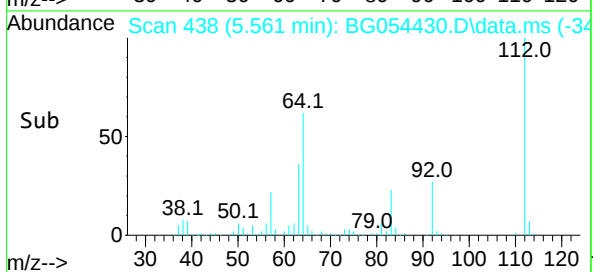
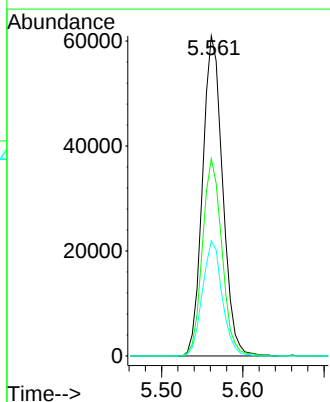
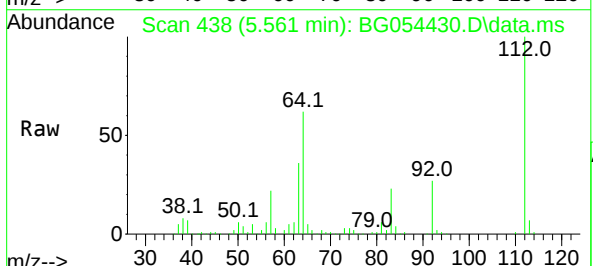
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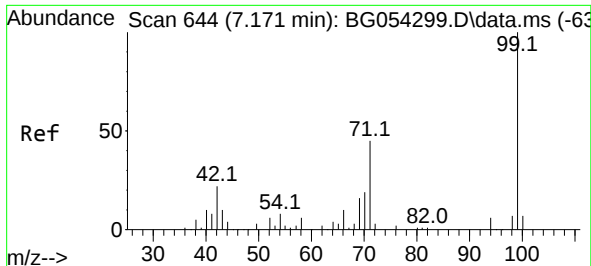
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#5
2-Fluorophenol
Concen: 119.697 ng
RT: 5.561 min Scan# 438
Delta R.T. -0.001 min
Lab File: BG054430.D
Acq: 28 Jul 2022 13:41

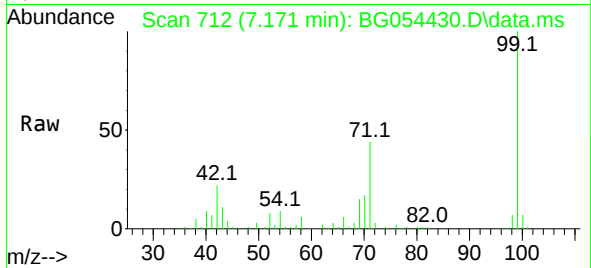
Tgt Ion:112 Resp: 104322
Ion Ratio Lower Upper
112 100
64 61.6 55.1 82.7
63 36.0 30.4 45.6





#7
Phenol-d6
Concen: 117.748 ng
RT: 7.171 min Scan# 71
Delta R.T. -0.001 min
Lab File: BG054430.D
Acq: 28 Jul 2022 13:41

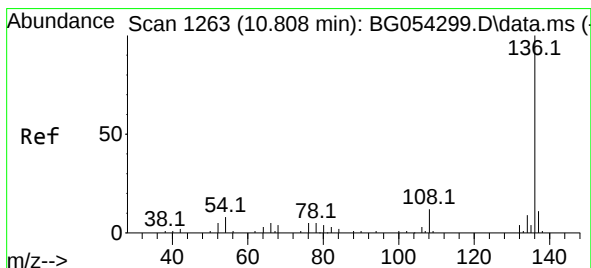
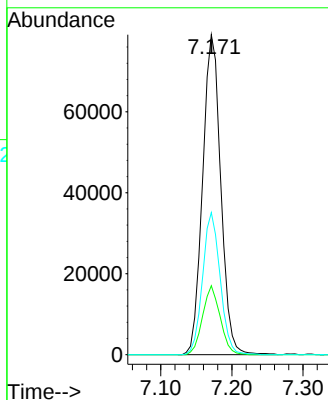
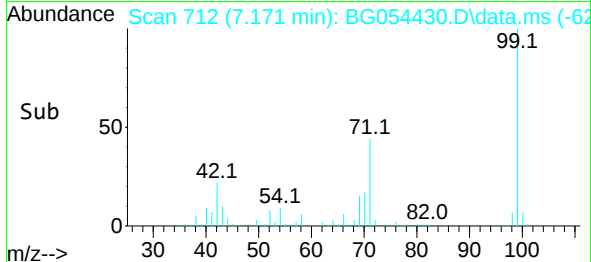
Instrument :
BNA_G
ClientSampleId :
RVE-4



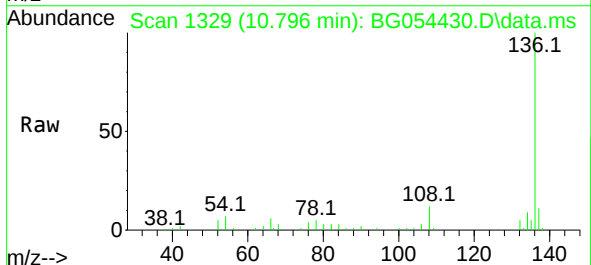
Tgt Ion: 99 Resp: 140620
Ion Ratio Lower Upper
99 100
42 21.5 17.0 25.6
71 44.4 33.8 50.8

Manual Integrations
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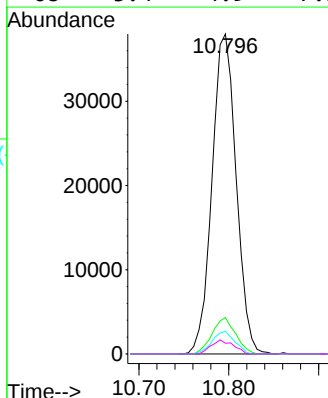
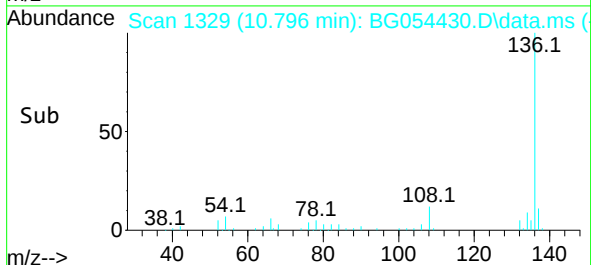
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022

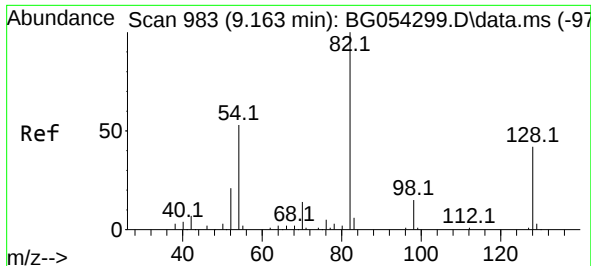


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.796 min Scan# 1329
Delta R.T. -0.001 min
Lab File: BG054430.D
Acq: 28 Jul 2022 13:41



Tgt Ion:136 Resp: 70849
Ion Ratio Lower Upper
136 100
137 11.4 8.5 12.7
54 7.1 7.4 11.2#
68 3.4 4.9 7.3#





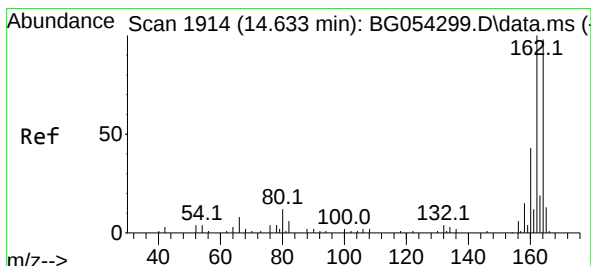
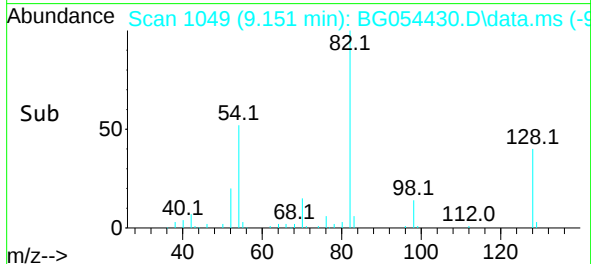
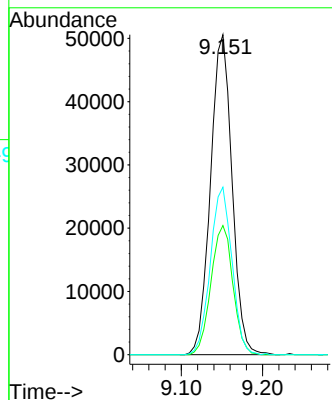
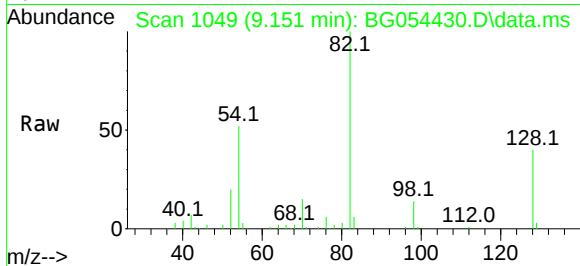
#23
Nitrobenzene-d5
Concen: 71.530 ng
RT: 9.151 min Scan# 1049
Delta R.T. -0.001 min
Lab File: BG054430.D
Acq: 28 Jul 2022 13:41

Instrument :
BNA_G
ClientSampleId :
RVE-4

Tgt Ion: 82 Resp: 9306
Ion Ratio Lower Upper
82 100
128 40.4 27.9 41.9
54 52.4 41.2 61.8

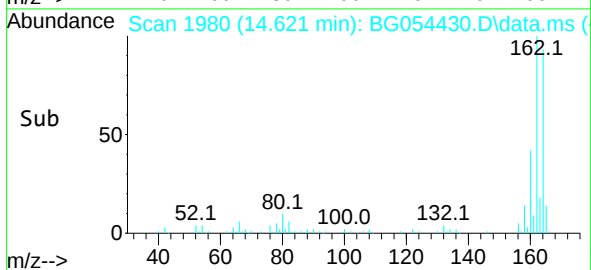
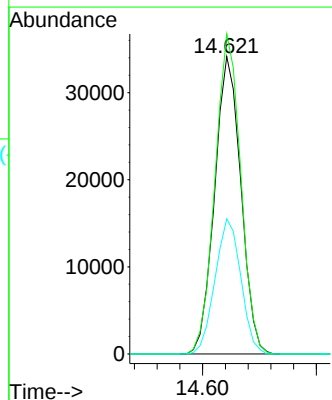
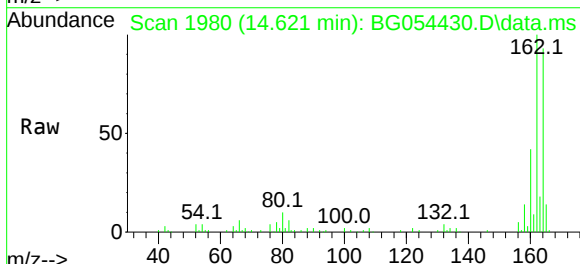
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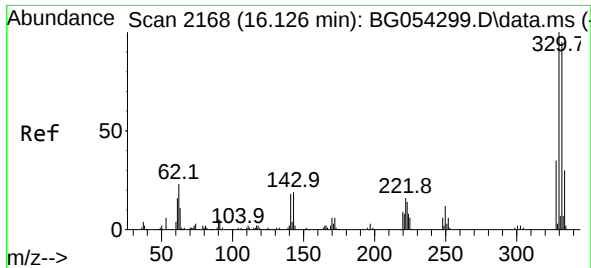
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.621 min Scan# 1980
Delta R.T. -0.001 min
Lab File: BG054430.D
Acq: 28 Jul 2022 13:41

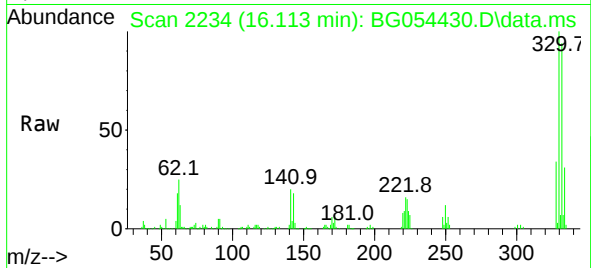
Tgt Ion:164 Resp: 54729
Ion Ratio Lower Upper
164 100
162 107.6 82.3 123.5
160 45.5 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 107.037 ng
RT: 16.113 min Scan# 2168
Delta R.T. -0.001 min
Lab File: BG054430.D
Acq: 28 Jul 2022 13:41

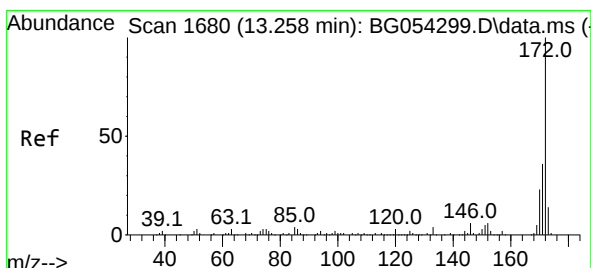
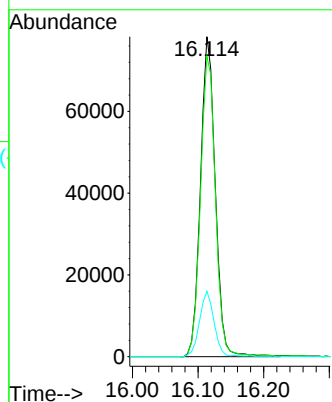
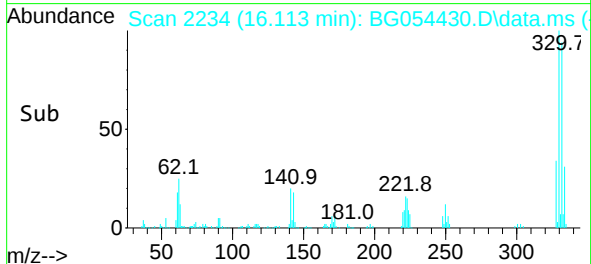
Instrument :
BNA_G
ClientSampleId :
RVE-4



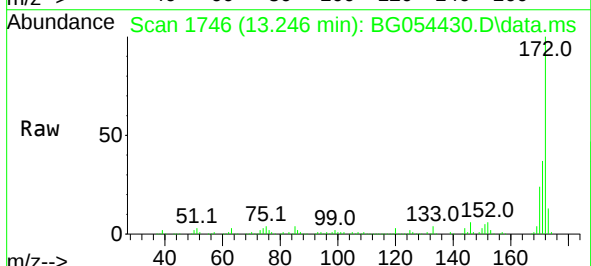
Tgt Ion:330 Resp: 122997
Ion Ratio Lower Upper
330 100
332 94.9 76.0 114.0
141 20.2 27.1 40.7

Manual Integrations
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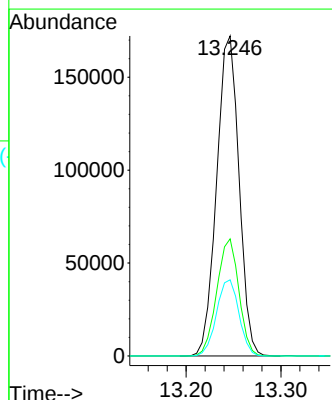
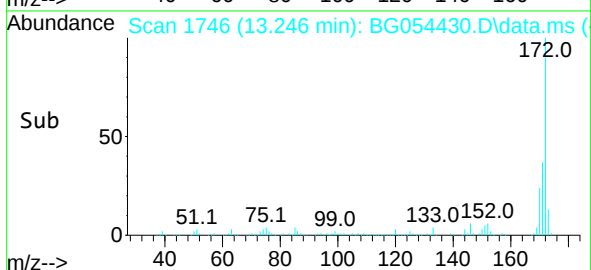
Reviewed By :Christian Giraldo 07/29/2022
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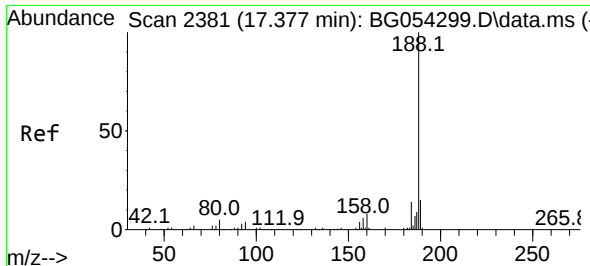


#45
2-Fluorobiphenyl
Concen: 72.676 ng
RT: 13.246 min Scan# 1746
Delta R.T. -0.001 min
Lab File: BG054430.D
Acq: 28 Jul 2022 13:41



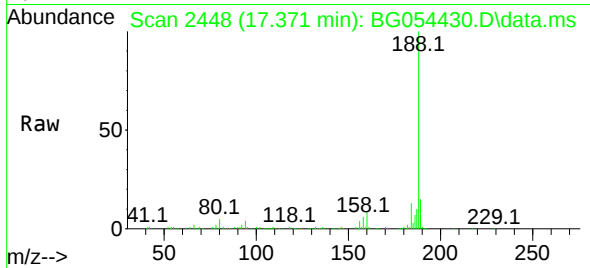
Tgt Ion:172 Resp: 281951
Ion Ratio Lower Upper
172 100
171 36.6 28.5 42.7
170 23.8 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.371 min Scan# 2448
Delta R.T. -0.001 min
Lab File: BG054430.D
Acq: 28 Jul 2022 13:41

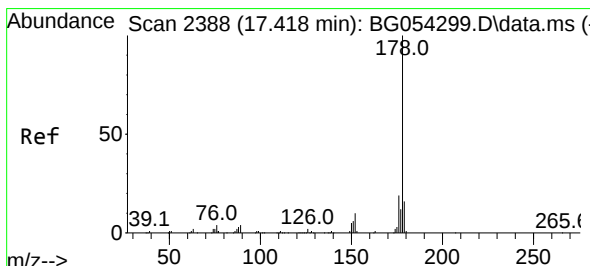
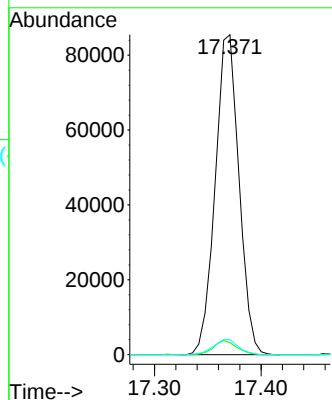
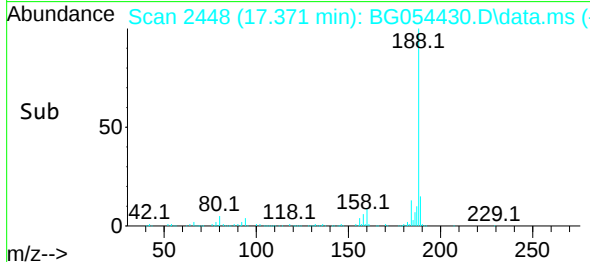
Instrument :
BNA_G
ClientSampleId :
RVE-4



Tgt Ion:188 Resp: 132574
Ion Ratio Lower Upper
188 100
94 3.7 5.4 8.0
80 4.7 6.8 10.2

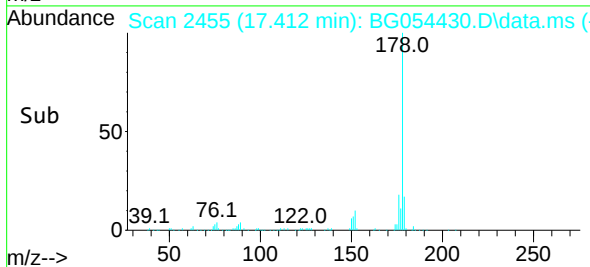
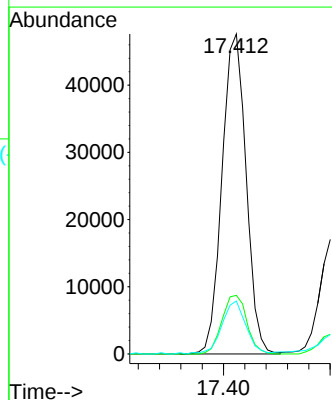
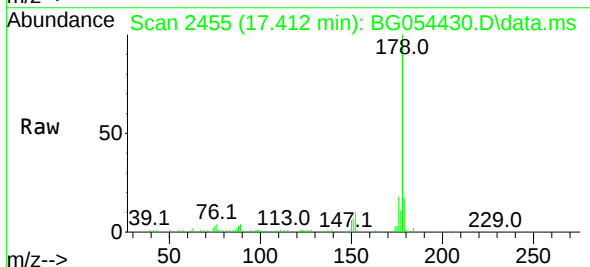
Manual Integrations
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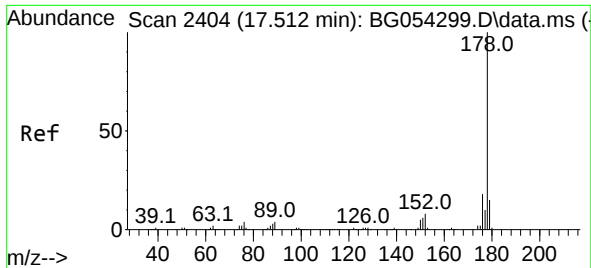
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#71
Phenanthrene
Concen: 11.316 ng
RT: 17.412 min Scan# 2455
Delta R.T. -0.001 min
Lab File: BG054430.D
Acq: 28 Jul 2022 13:41

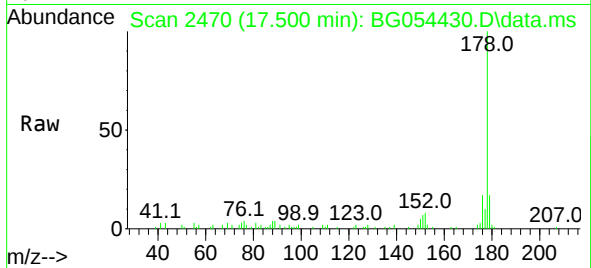
Tgt Ion:178 Resp: 74708
Ion Ratio Lower Upper
178 100
176 18.3 14.1 21.1
179 16.5 12.1 18.1





#72
 Anthracene
 Concen: 4.081 ng
 RT: 17.500 min Scan# 2404
 Delta R.T. -0.001 min
 Lab File: BG054430.D
 Acq: 28 Jul 2022 13:41

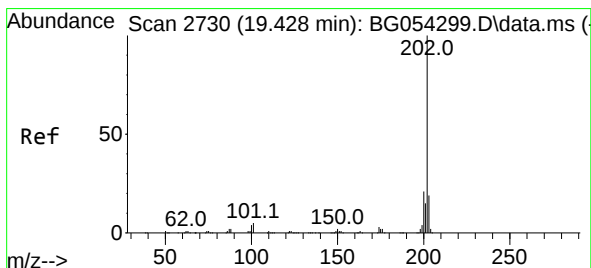
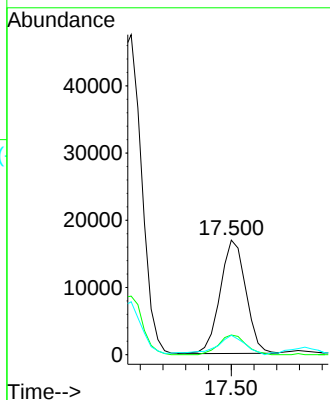
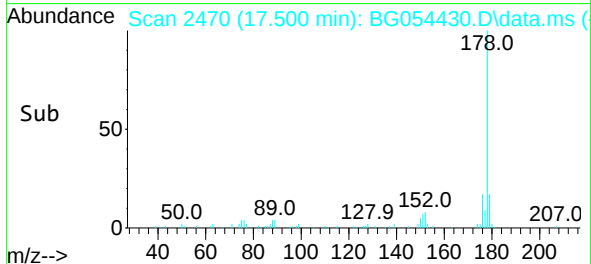
Instrument :
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 RVE-4



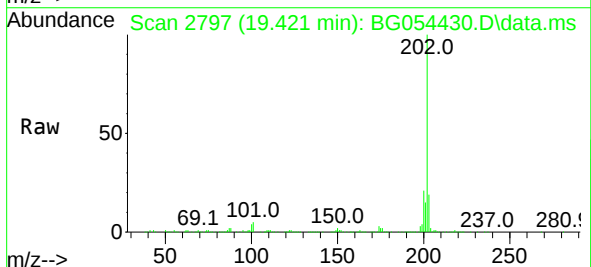
Tgt Ion:178 Resp: 26438
 Ion Ratio Lower Upper
 178 100
 176 17.2 15.2 22.8
 179 16.9 13.0 19.4

Manual Integrations
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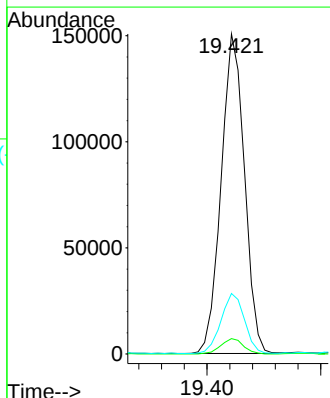
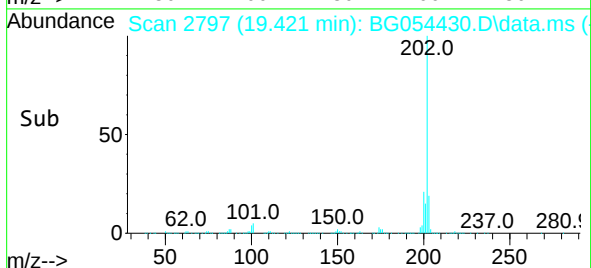
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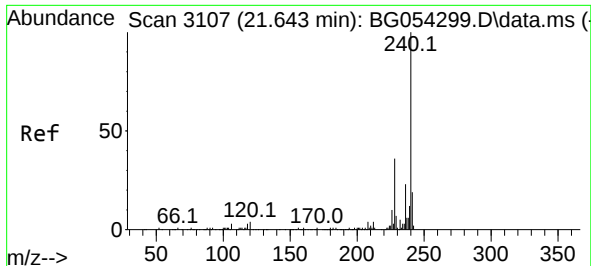


#75
 Fluoranthene
 Concen: 23.826 ng
 RT: 19.421 min Scan# 2797
 Delta R.T. -0.001 min
 Lab File: BG054430.D
 Acq: 28 Jul 2022 13:41



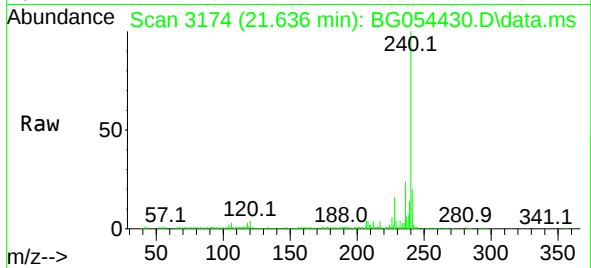
Tgt Ion:202 Resp: 214425
 Ion Ratio Lower Upper
 202 100
 101 4.8 0.0 26.9
 203 18.9 0.0 37.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3107
Delta R.T. -0.001 min
Lab File: BG054430.D
Acq: 28 Jul 2022 13:41

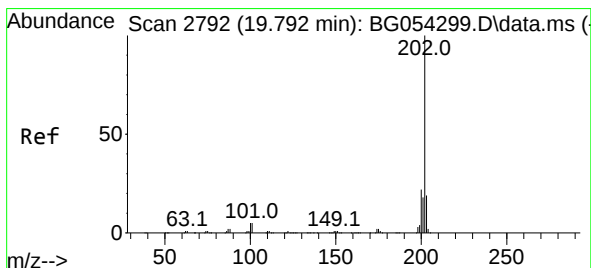
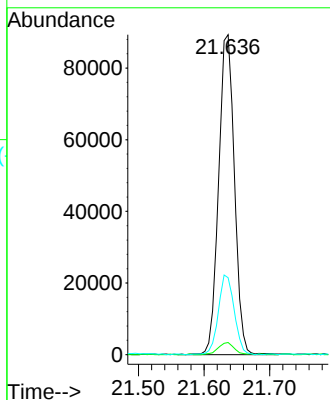
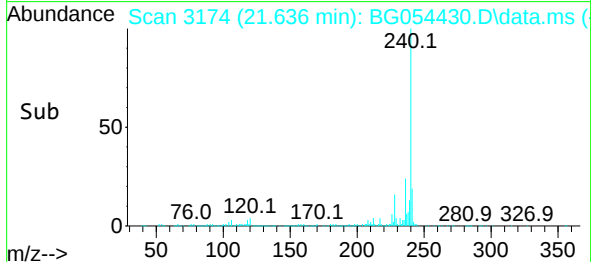
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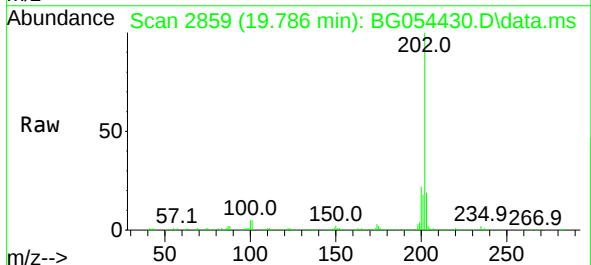
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Ion Ratio Lower Upper
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120 3.8 4.6 7.0
236 24.1 20.2 30.4

Manual Integrations
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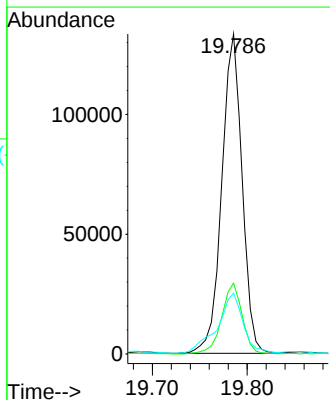
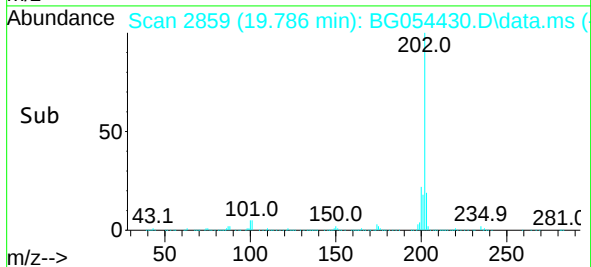
Reviewed By :Christian Giraldo 07/29/2022
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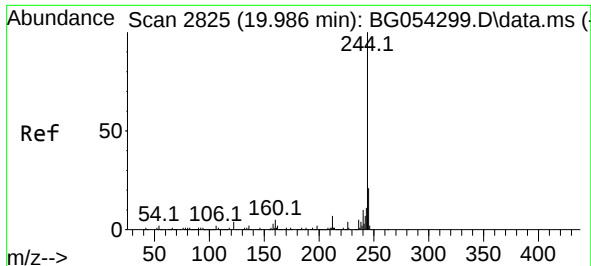


#78
Pyrene
Concen: 23.266 ng
RT: 19.786 min Scan# 2859
Delta R.T. -0.001 min
Lab File: BG054430.D
Acq: 28 Jul 2022 13:41



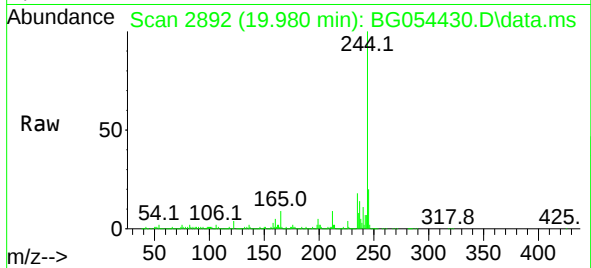
Tgt Ion:202 Resp: 198926
Ion Ratio Lower Upper
202 100
200 22.2 16.6 24.8
203 19.0 14.6 21.8





#79
Terphenyl-d14
Concen: 72.686 ng
RT: 19.980 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG054430.D
Acq: 28 Jul 2022 13:41

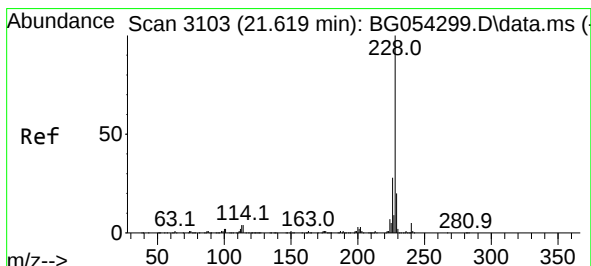
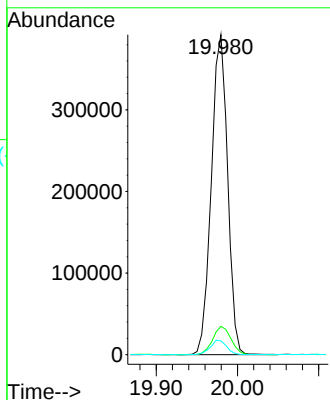
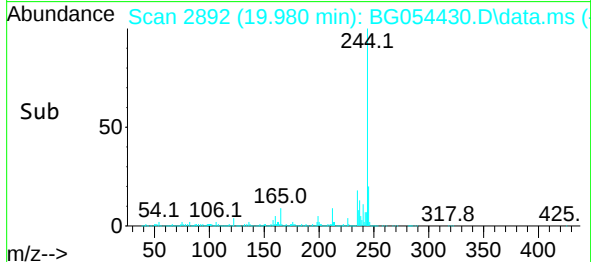
Instrument :
BNA_G
ClientSampleId :
RVE-4



Tgt Ion:244 Resp: 54597
Ion Ratio Lower Upper
244 100
212 8.9 6.5 9.7
122 4.3 5.0 7.4

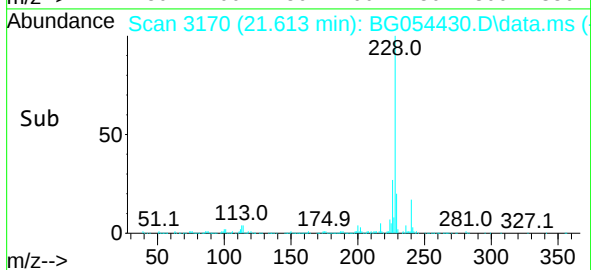
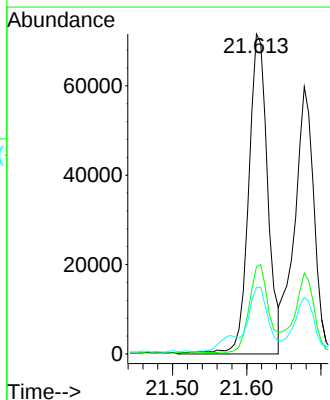
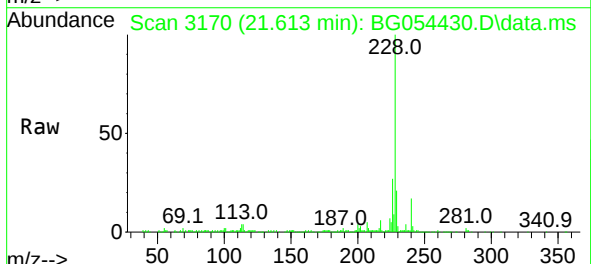
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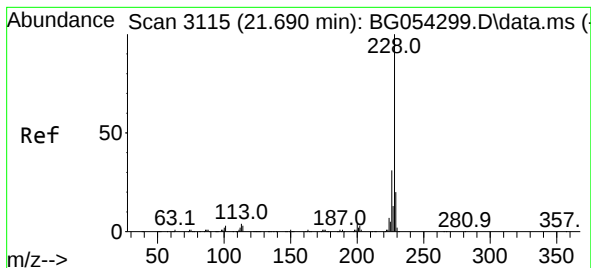
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#81
Benzo(a)anthracene
Concen: 13.492 ng
RT: 21.613 min Scan# 3170
Delta R.T. -0.001 min
Lab File: BG054430.D
Acq: 28 Jul 2022 13:41

Tgt Ion:228 Resp: 127625
Ion Ratio Lower Upper
228 100
226 27.3 21.6 32.4
229 20.8 16.2 24.2





#83

Chrysene

Concen: 12.145 ng

RT: 21.678 min Scan# 3115

Delta R.T. -0.006 min

Lab File: BG054430.D

Acq: 28 Jul 2022 13:41

Instrument :

BNA_G

ClientSampleId :

RVE-4

Tgt Ion:228 Resp: 108535

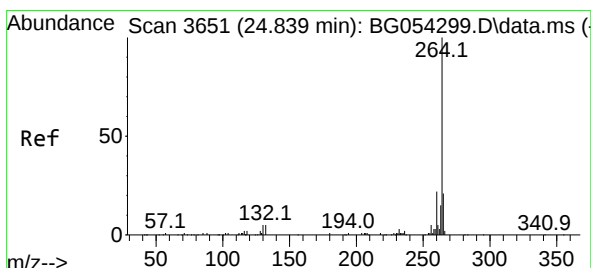
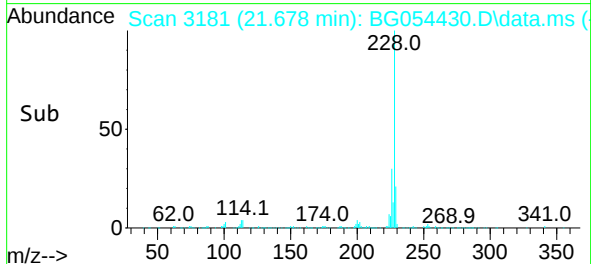
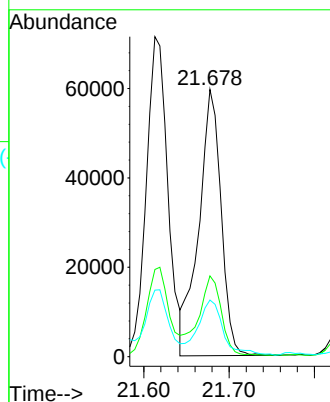
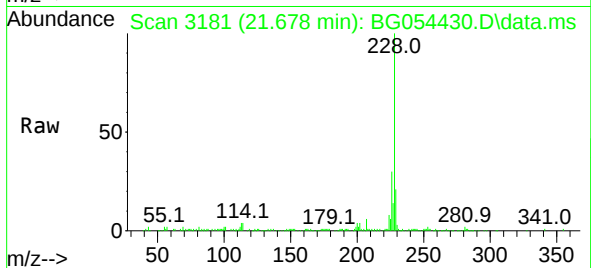
Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.4	35.2
229	21.2	15.5	23.3

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Reviewed By :Christian Giraldo 07/29/2022

Supervised By :Jagrut Upadhyay 07/29/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.839 min Scan# 3719

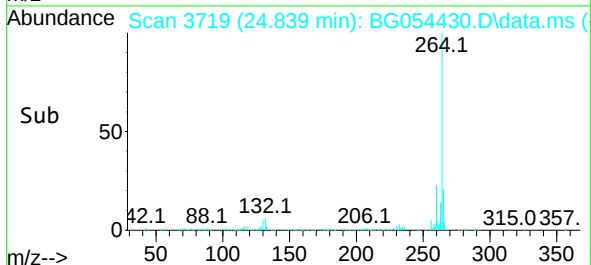
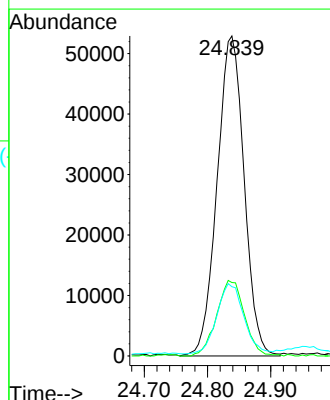
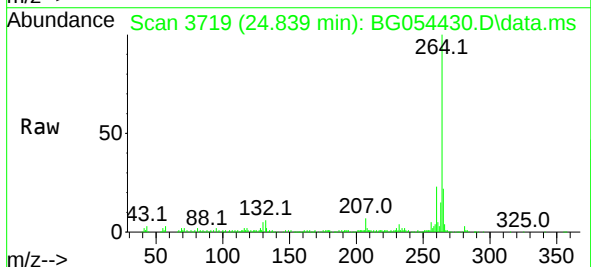
Delta R.T. 0.005 min

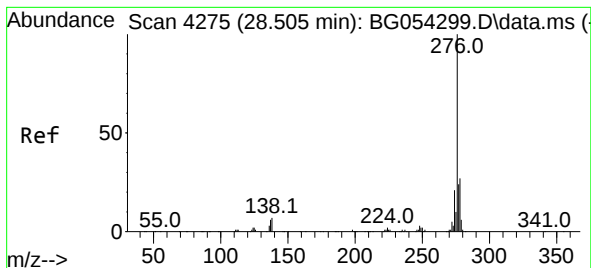
Lab File: BG054430.D

Acq: 28 Jul 2022 13:41

Tgt Ion:264 Resp: 157162

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.0	28.6
265	21.7	17.4	26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.175 ng

RT: 28.505 min Scan# 41

Delta R.T. -0.012 min

Lab File: BG054430.D

Acq: 28 Jul 2022 13:41

Instrument :

BNA_G

ClientSampleId :

RVE-4

Tgt Ion:276 Resp: 97739

Ion Ratio Lower Upper

276 100

138 0.0 5.0 7.4

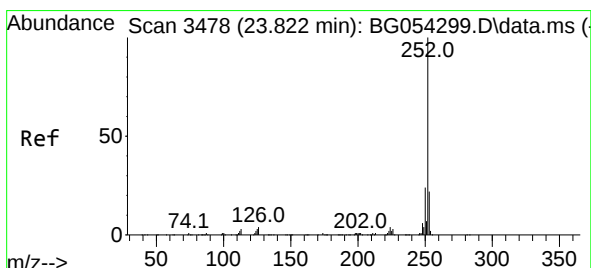
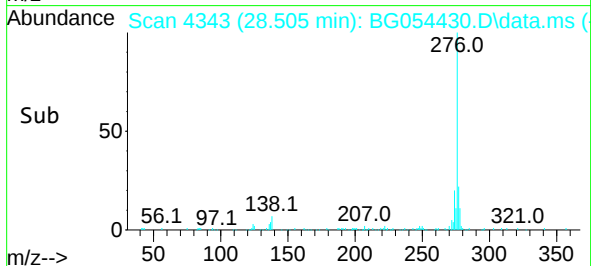
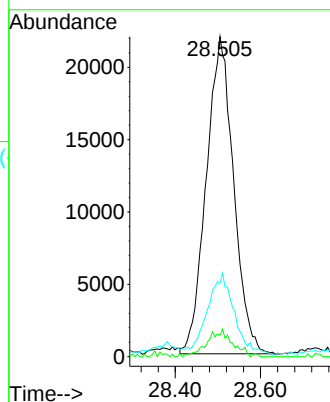
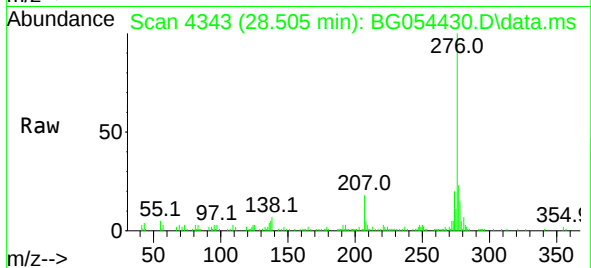
277 25.1 20.3 30.5

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Reviewed By :Christian Giraldo 07/29/2022

Supervised By :Jagrut Upadhyay 07/29/2022



#88

Benzo(b)fluoranthene

Concen: 17.457 ng

RT: 23.822 min Scan# 3546

Delta R.T. -0.001 min

Lab File: BG054430.D

Acq: 28 Jul 2022 13:41

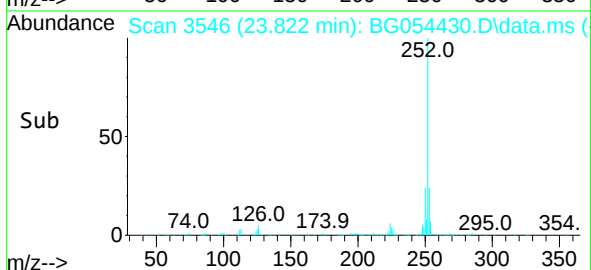
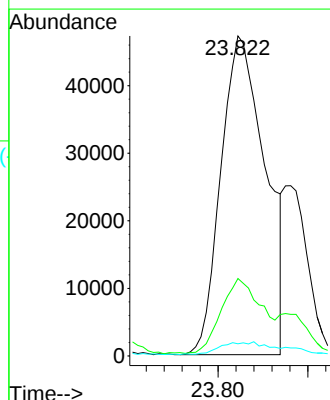
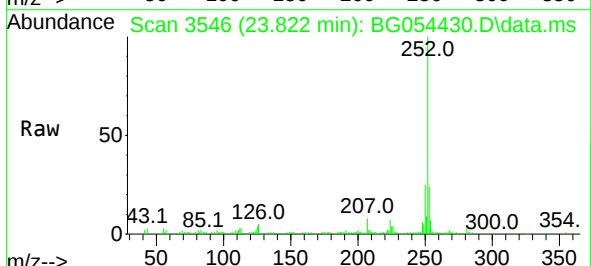
Tgt Ion:252 Resp: 162250

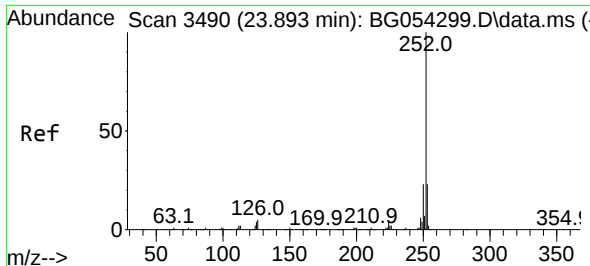
Ion Ratio Lower Upper

252 100

253 24.2 18.0 27.0

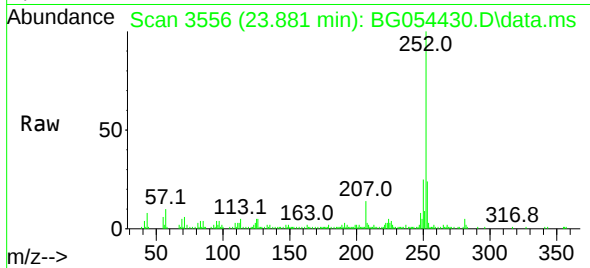
125 3.8 4.6 6.8





#89
Benzo(k)fluoranthene
Concen: 5.058 ng m
RT: 23.881 min Scan# 31
Delta R.T. -0.007 min
Lab File: BG054430.D
Acq: 28 Jul 2022 13:41

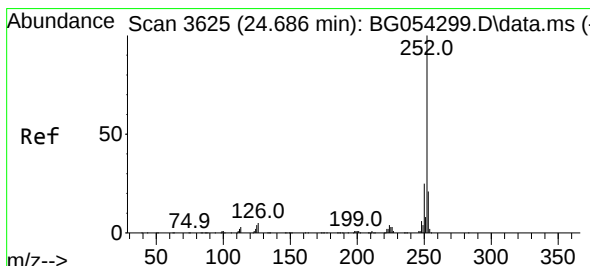
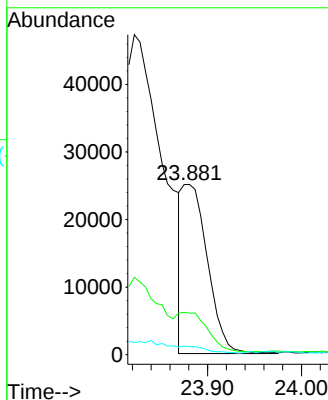
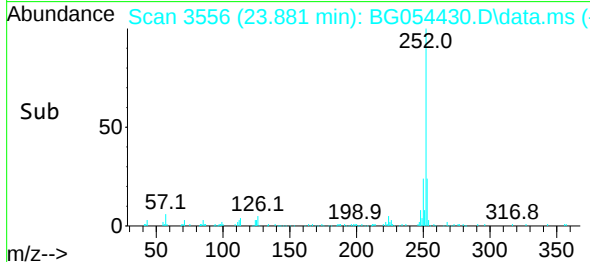
Instrument :
BNA_G
ClientSampleId :
RVE-4



Tgt Ion:252 Resp: 4678
Ion Ratio Lower Upper
252 100
253 24.4 18.4 27.6
125 4.7 4.8 7.2

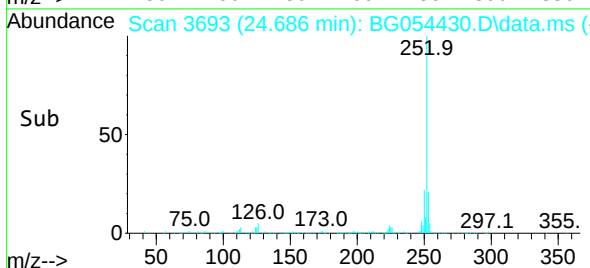
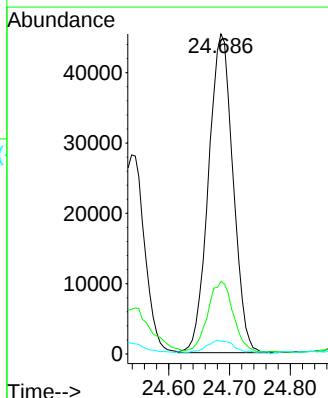
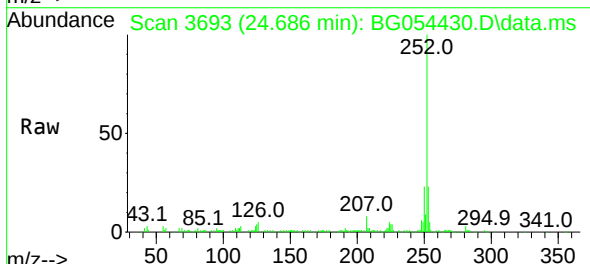
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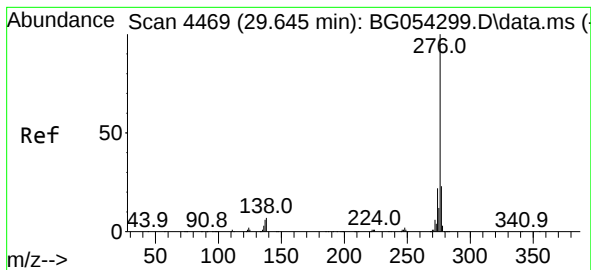
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#90
Benzo(a)pyrene
Concen: 16.054 ng m
RT: 24.686 min Scan# 3693
Delta R.T. -0.001 min
Lab File: BG054430.D
Acq: 28 Jul 2022 13:41

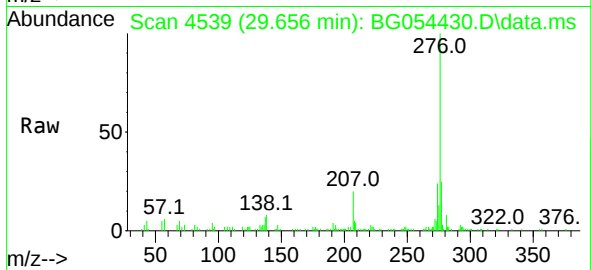
Tgt Ion:252 Resp: 127425
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 4.0 4.3 6.5





#92
 Benzo(g,h,i)perylene
 Concen: 10.103 ng
 RT: 29.656 min Scan# 4539
 Delta R.T. -0.007 min
 Lab File: BG054430.D
 Acq: 28 Jul 2022 13:41

Instrument :
 BNA_G
 ClientSampleId :
 RVE-4



Tgt Ion: 276 Resp: 98028

Ion	Ratio	Lower	Upper
276	100		
277	25.4	17.3	25.9
138	7.7	9.6	14.4

Manual Integrations
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Reviewed By : Christian Giraldo 07/29/2022
 Supervised By : Jagrut Upadhyay 07/29/2022

