

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072722\
 Data File : BG054421.D
 Acq On : 27 Jul 2022 18:29
 Operator : CG/JU
 Sample : N3836-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-2

Quant Time: Jul 28 04:34:25 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

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 07/28/2022
 Supervised By :Jagrut Upadhyay 07/28/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.982	152	18864	20.000	ng	0.00
21) Naphthalene-d8	10.797	136	73050	20.000	ng	# 0.00
39) Acenaphthene-d10	14.621	164	55883	20.000	ng	0.00
64) Phenanthrene-d10	17.365	188	134533	20.000	ng	# 0.00
76) Chrysene-d12	21.631	240	148319	20.000	ng	# 0.00
86) Perylene-d12	24.839	264	148672	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.567	112	107181	118.629	ng	0.00
7) Phenol-d6	7.171	99	145195	117.280	ng	0.00
23) Nitrobenzene-d5	9.151	82	96545	71.972	ng	0.00
42) 2,4,6-Tribromophenol	16.114	330	123721	105.444	ng	0.00
45) 2-Fluorobiphenyl	13.247	172	288727	72.885	ng	0.00
79) Terphenyl-d14	19.974	244	544587	72.840	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.406	178	36084	5.386	ng	96
75) Fluoranthene	19.422	202	102726	11.248	ng	95
78) Pyrene	19.780	202	94369	11.089	ng	99
81) Benzo(a)anthracene	21.613	228	62666	6.656	ng	96
83) Chrysene	21.678	228	57630	6.479	ng	95
84) Bis(2-ethylhexyl)phtha...	21.508	149	21574	5.749	ng	# 89
87) Indeno(1,2,3-cd)pyrene	28.517	276	30990	2.740	ng	# 85
88) Benzo(b)fluoranthene	23.828	252	79800	9.076	ng	# 97
89) Benzo(k)fluoranthene	23.887	252	32134m	3.672	ng	
90) Benzo(a)pyrene	24.686	252	54091	7.204	ng	96
92) Benzo(g,h,i)perylene	29.669	276	34717m	3.782	ng	

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

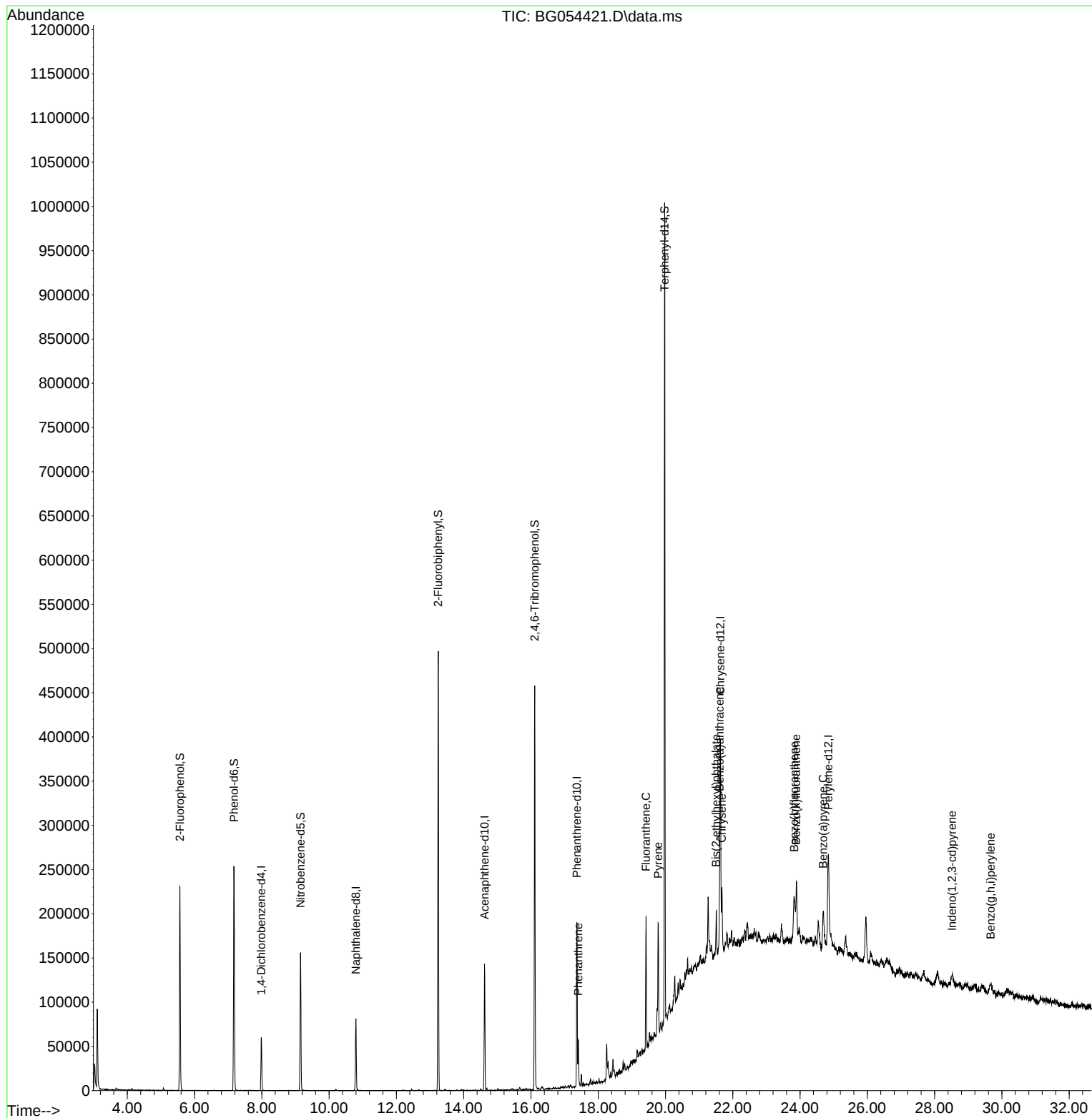
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072722\
Data File : BG054421.D
Acq On : 27 Jul 2022 18:29
Operator : CG/JU
Sample : N3836-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

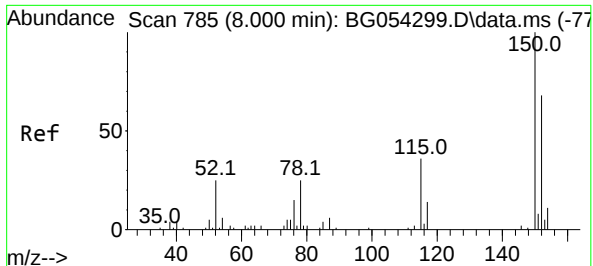
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Quant Time: Jul 28 04:34:25 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
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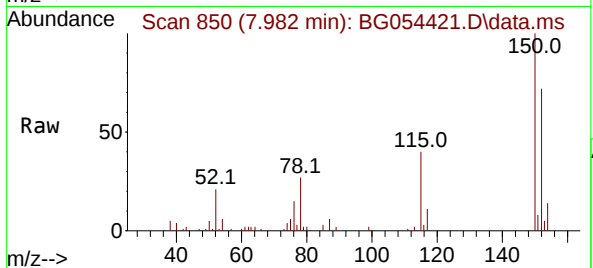
Reviewed By : Christian Giraldo 07/28/2022
Supervised By : Jagrut Upadhyay 07/28/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.982 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG054421.D
Acq: 27 Jul 2022 18:29

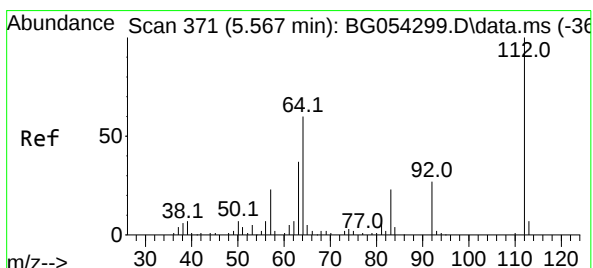
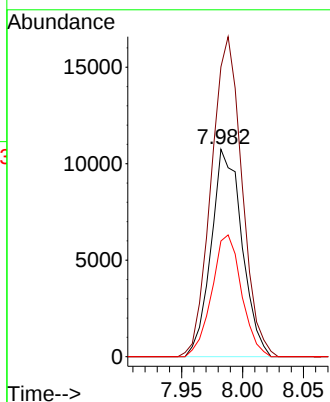
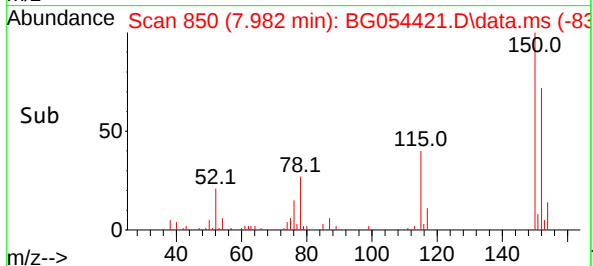
Instrument :
BNA_G
ClientSampleId :
TP-2



Tgt Ion:152 Resp: 18864
Ion Ratio Lower Upper
152 100
150 139.7 131.6 197.4
115 55.8 50.9 76.3

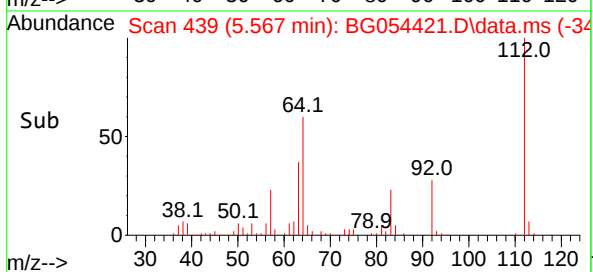
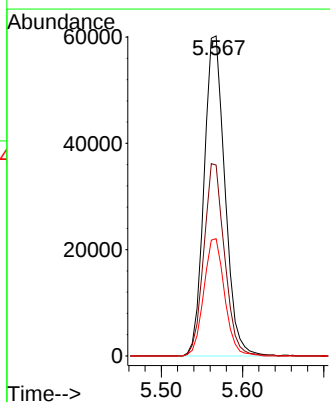
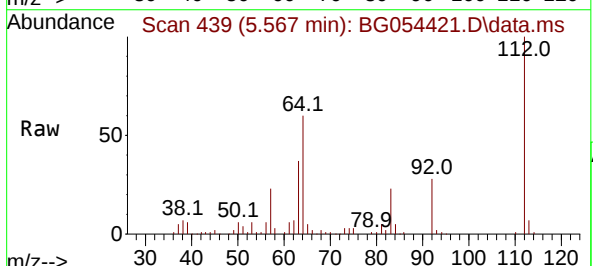
Manual Integrations
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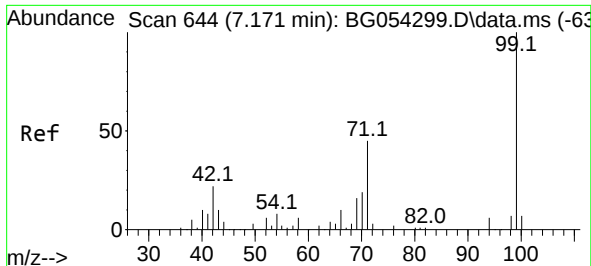
Reviewed By :Christian Giraldo 07/28/2022
Supervised By :Jagrut Upadhyay 07/28/2022



#5
2-Fluorophenol
Concen: 118.629 ng
RT: 5.567 min Scan# 439
Delta R.T. 0.006 min
Lab File: BG054421.D
Acq: 27 Jul 2022 18:29

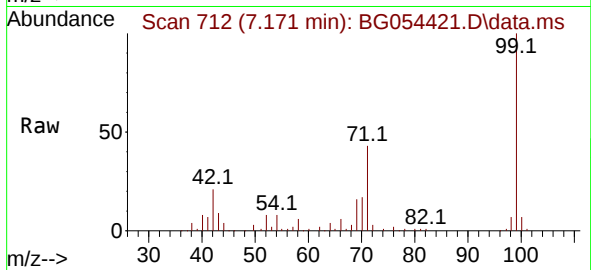
Tgt Ion:112 Resp: 107181
Ion Ratio Lower Upper
112 100
64 59.7 55.1 82.7
63 36.6 30.4 45.6





#7
Phenol-d6
Concen: 117.280 ng
RT: 7.171 min Scan# 71
Delta R.T. -0.000 min
Lab File: BG054421.D
Acq: 27 Jul 2022 18:29

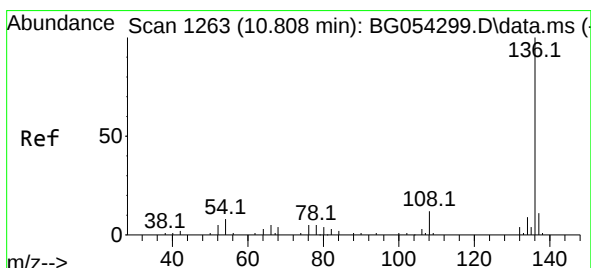
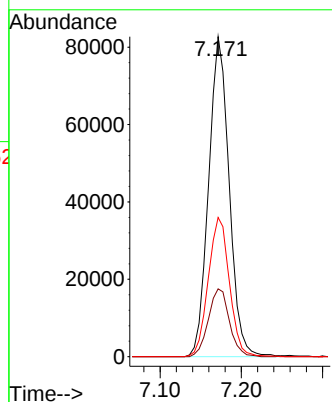
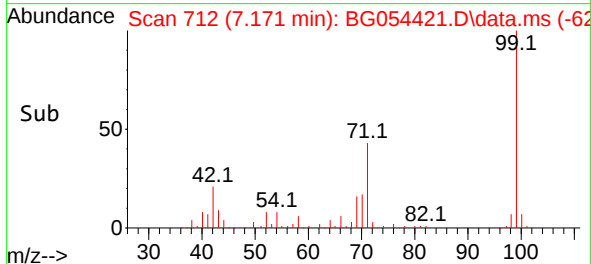
Instrument :
BNA_G
ClientSampleId :
TP-2



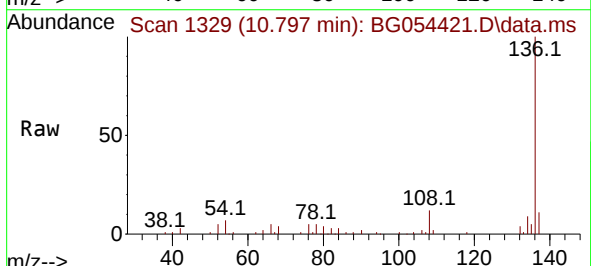
Tgt Ion: 99 Resp: 14519
Ion Ratio Lower Upper
99 100
42 21.2 17.0 25.6
71 43.5 33.8 50.8

Manual Integrations
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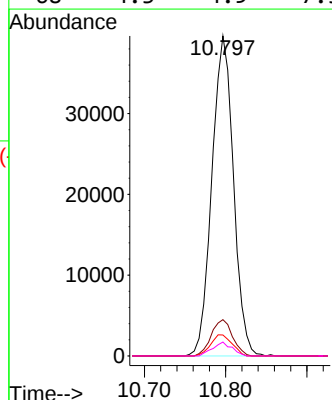
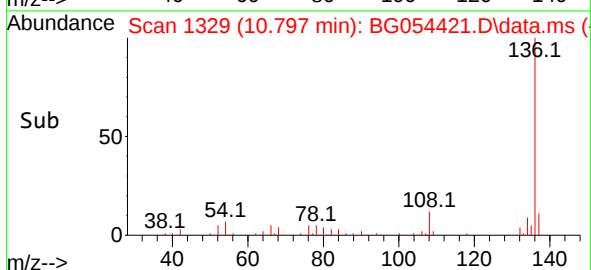
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.797 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BG054421.D
Acq: 27 Jul 2022 18:29



Tgt Ion:136 Resp: 73050
Ion Ratio Lower Upper
136 100
137 11.4 8.5 12.7
54 6.5 7.4 11.2#
68 4.3 4.9 7.3#





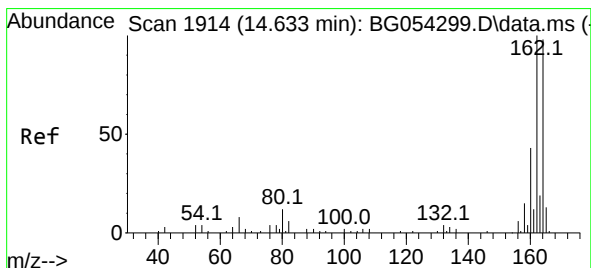
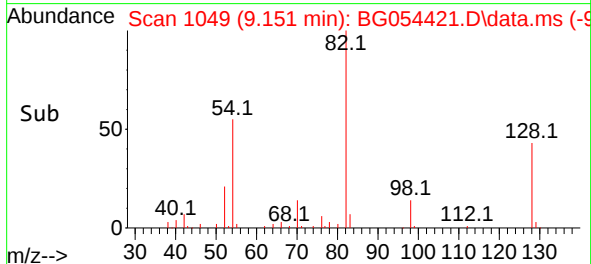
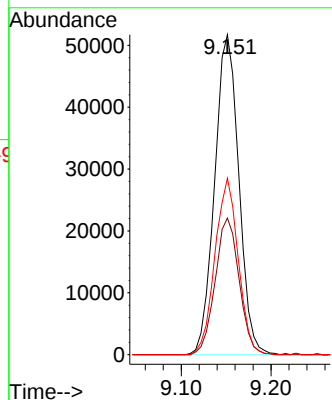
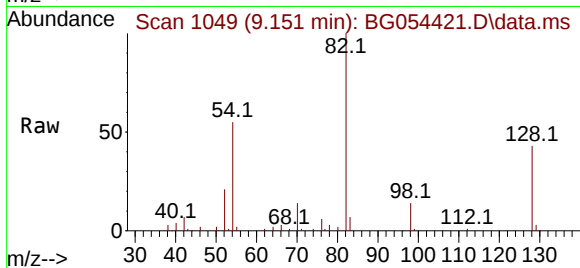
#23
Nitrobenzene-d5
Concen: 71.972 ng
RT: 9.151 min Scan# 1049
Delta R.T. -0.000 min
Lab File: BG054421.D
Acq: 27 Jul 2022 18:29

Instrument :
BNA_G
ClientSampleId :
TP-2

Tgt Ion: 82 Resp: 9654
Ion Ratio Lower Upper
82 100
128 42.7 27.9 41.9
54 55.1 41.2 61.8

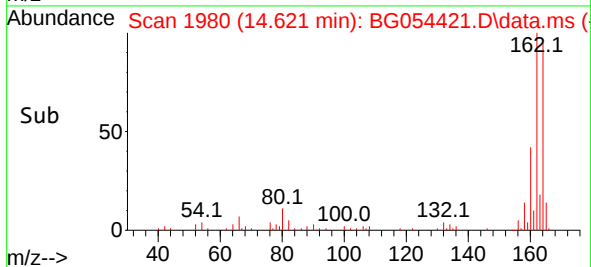
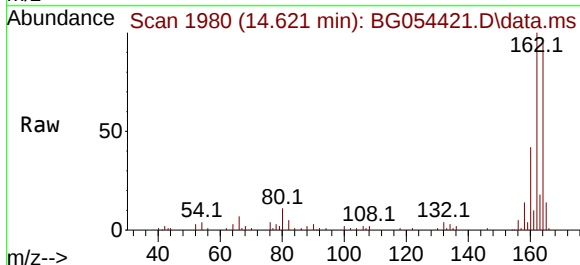
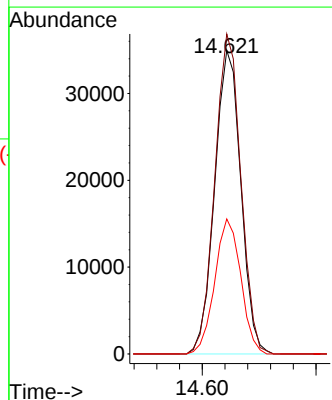
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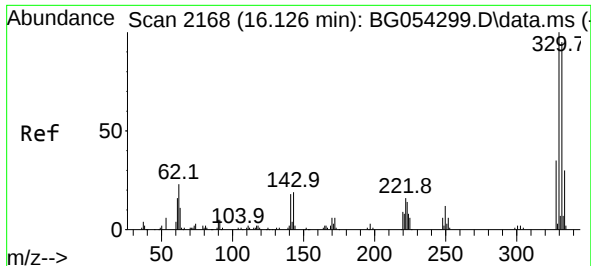
Reviewed By :Christian Giraldo 07/28/2022
Supervised By :Jagrut Upadhyay 07/28/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.621 min Scan# 1980
Delta R.T. -0.000 min
Lab File: BG054421.D
Acq: 27 Jul 2022 18:29

Tgt Ion:164 Resp: 55883
Ion Ratio Lower Upper
164 100
162 105.4 82.3 123.5
160 44.5 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 105.444 ng

RT: 16.114 min Scan# 2168

Delta R.T. -0.000 min

Lab File: BG054421.D

Acq: 27 Jul 2022 18:29

Instrument :

BNA_G

ClientSampleId :

TP-2

Tgt Ion:330 Resp: 12372

Ion Ratio Lower Upper

330 100

332 96.2 76.0 114.0

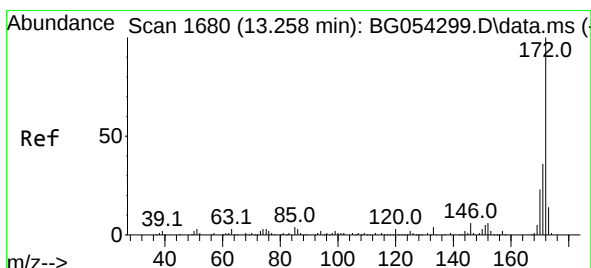
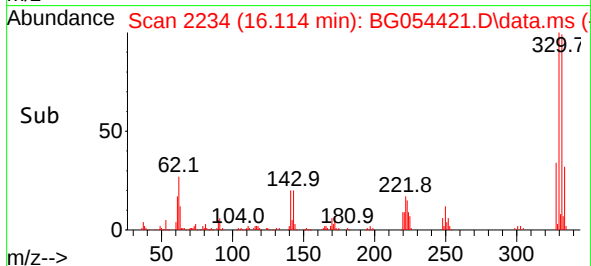
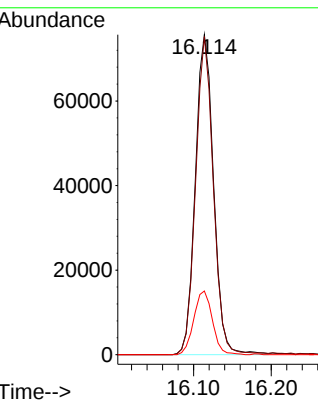
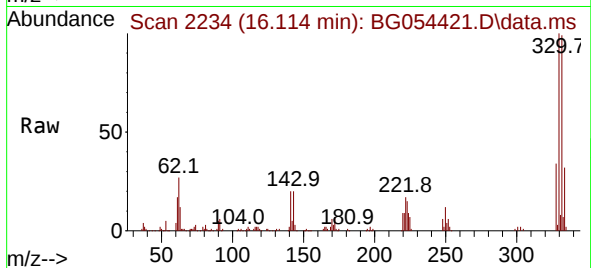
141 20.2 27.1 40.7

Manual Integrations

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#45

2-Fluorobiphenyl

Concen: 72.885 ng

RT: 13.247 min Scan# 1746

Delta R.T. -0.000 min

Lab File: BG054421.D

Acq: 27 Jul 2022 18:29

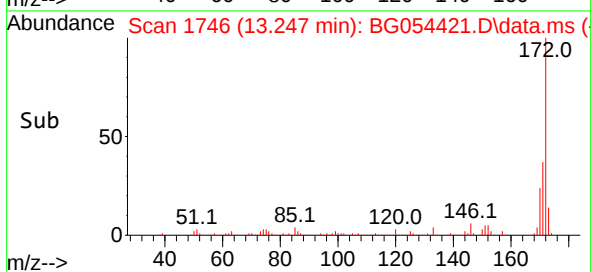
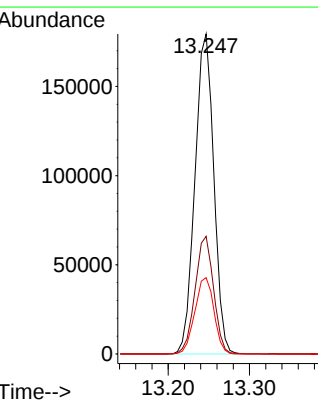
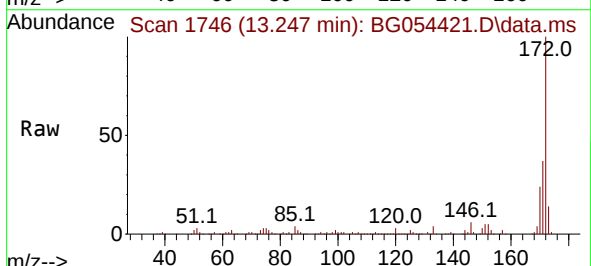
Tgt Ion:172 Resp: 288727

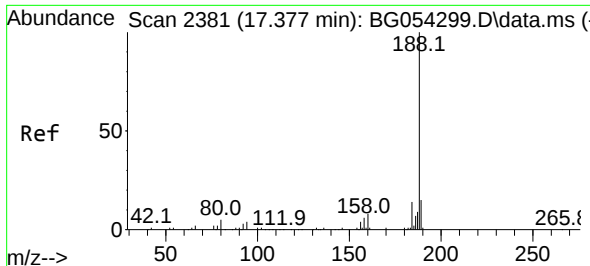
Ion Ratio Lower Upper

172 100

171 36.7 28.5 42.7

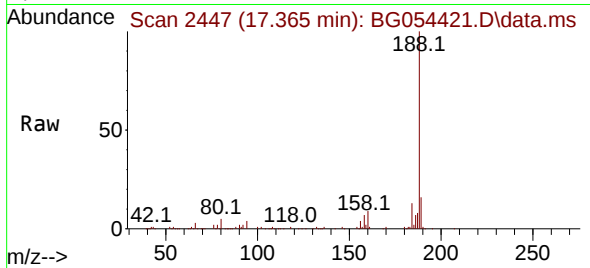
170 23.8 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.365 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BG054421.D
Acq: 27 Jul 2022 18:29

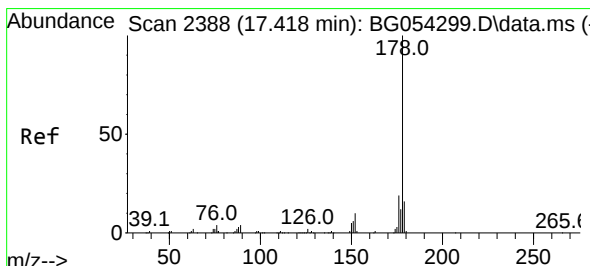
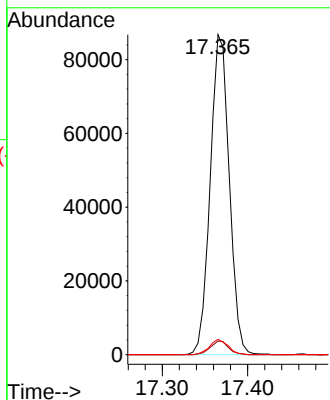
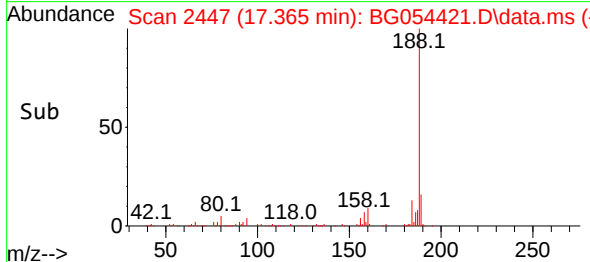
Instrument :
BNA_G
ClientSampleId :
TP-2



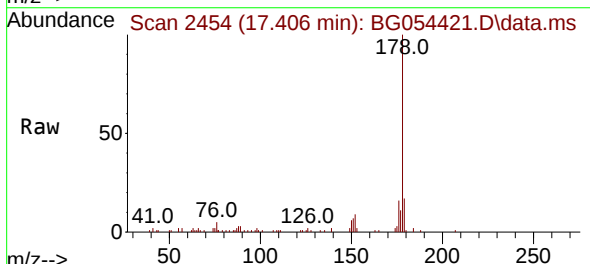
Tgt Ion:188 Resp: 13453
Ion Ratio Lower Upper
188 100
94 4.3 5.4 8.0
80 4.8 6.8 10.2

Manual Integrations
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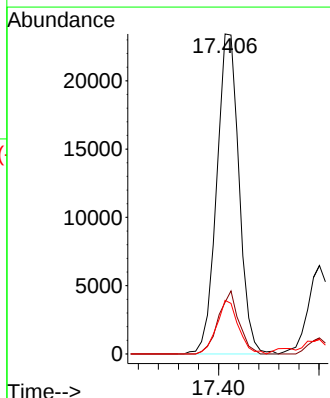
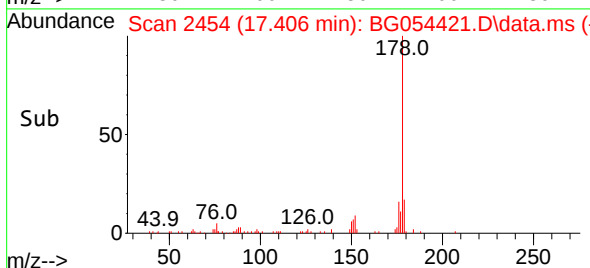
Reviewed By :Christian Giraldo 07/28/2022
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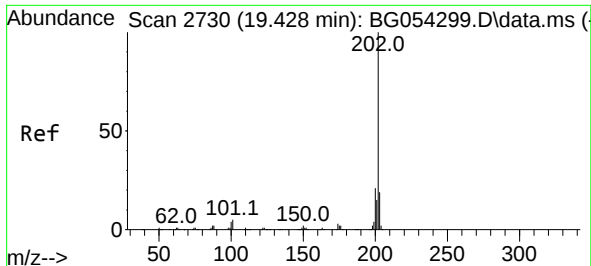


#71
Phenanthrene
Concen: 5.386 ng
RT: 17.406 min Scan# 2454
Delta R.T. -0.006 min
Lab File: BG054421.D
Acq: 27 Jul 2022 18:29



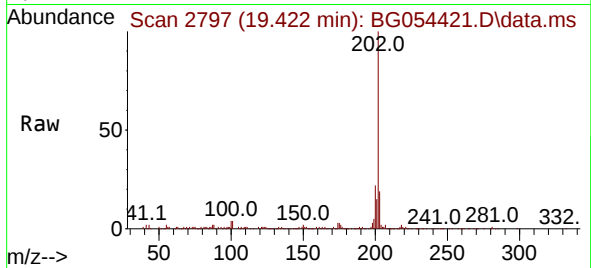
Tgt Ion:178 Resp: 36084
Ion Ratio Lower Upper
178 100
176 16.2 14.1 21.1
179 16.8 12.1 18.1





#75
Fluoranthene
Concen: 11.248 ng
RT: 19.422 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG054421.D
Acq: 27 Jul 2022 18:29

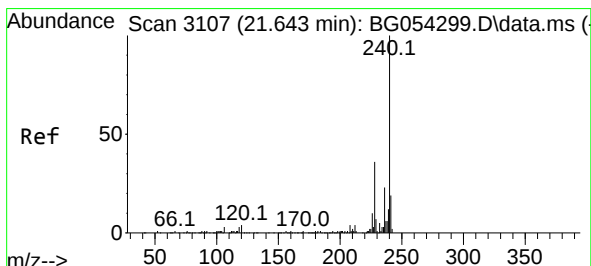
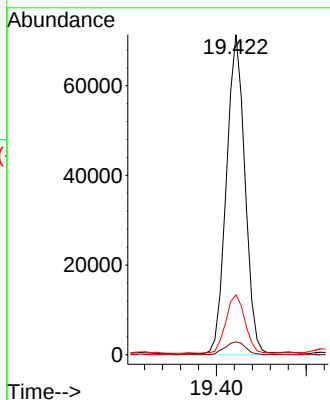
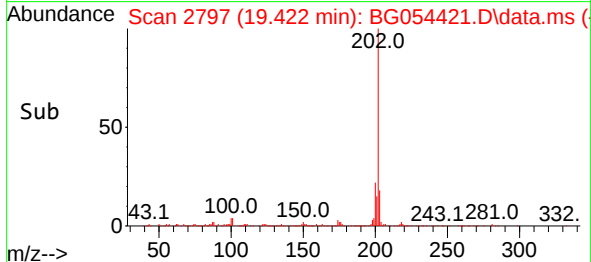
Instrument :
BNA_G
ClientSampleId :
TP-2



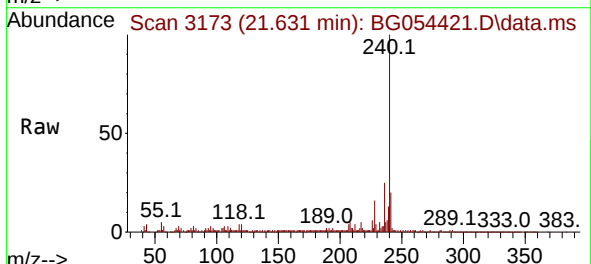
Tgt Ion:202 Resp: 102720
Ion Ratio Lower Upper
202 100
101 4.0 0.0 26.9
203 18.7 0.0 37.2

Manual Integrations
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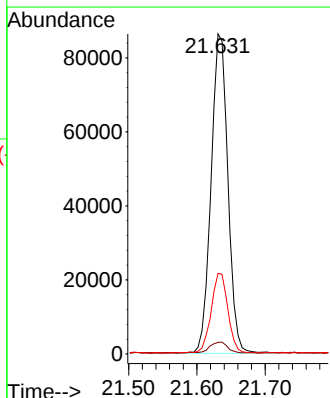
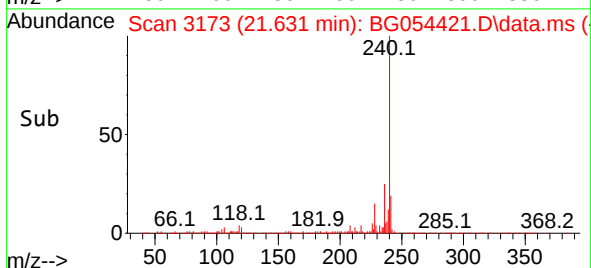
Reviewed By :Christian Giraldo 07/28/2022
Supervised By :Jagrut Upadhyay 07/28/2022

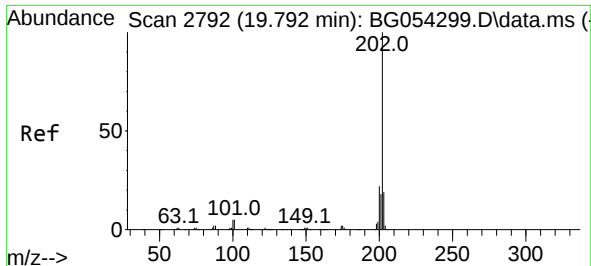


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.631 min Scan# 3173
Delta R.T. -0.006 min
Lab File: BG054421.D
Acq: 27 Jul 2022 18:29



Tgt Ion:240 Resp: 148319
Ion Ratio Lower Upper
240 100
120 3.6 4.6 7.0#
236 25.2 20.2 30.4





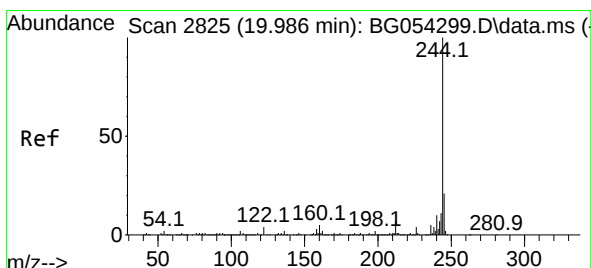
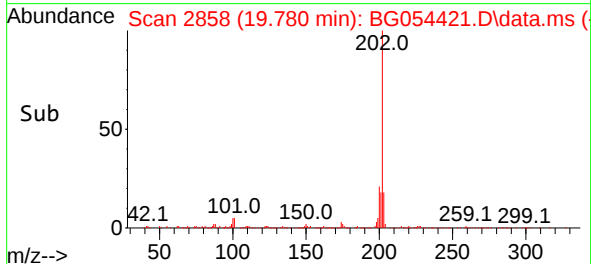
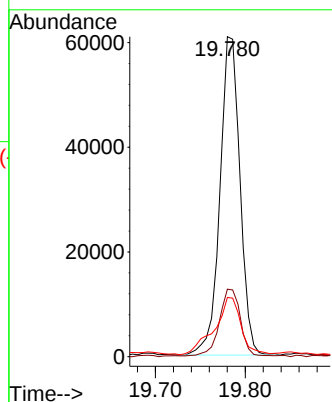
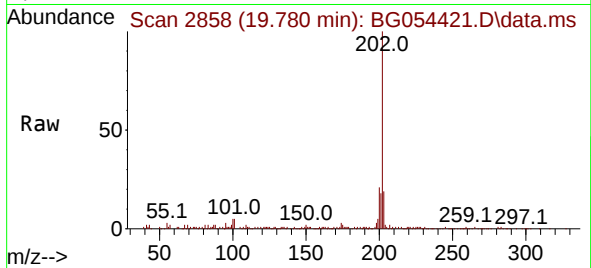
#78
Pyrene
Concen: 11.089 ng
RT: 19.780 min Scan# 2858
Delta R.T. -0.006 min
Lab File: BG054421.D
Acq: 27 Jul 2022 18:29

Instrument :
BNA_G
ClientSampleId :
TP-2

Tgt Ion:202 Resp: 94369
Ion Ratio Lower Upper
202 100
200 21.1 16.6 24.8
203 18.5 14.6 21.8

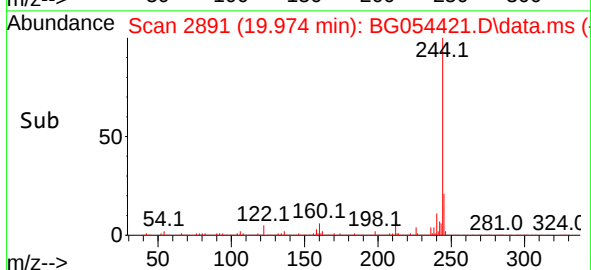
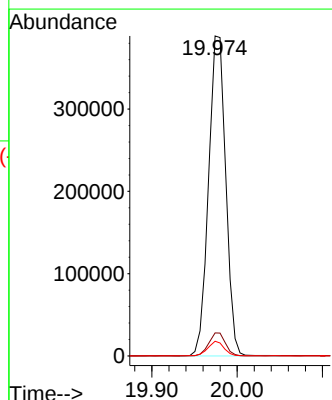
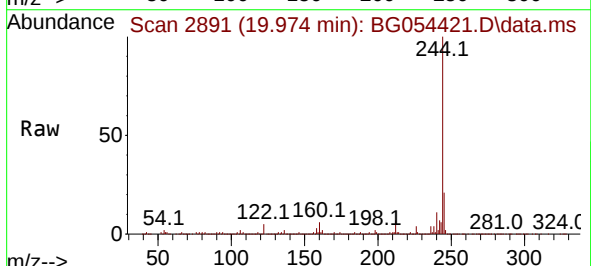
Manual Integrations
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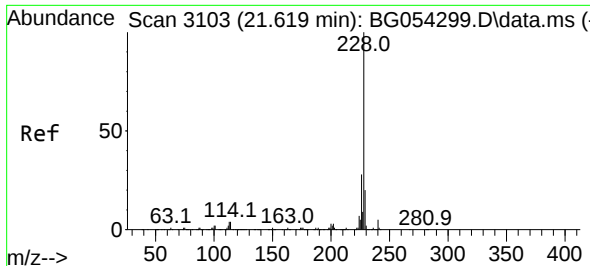
Reviewed By :Christian Giraldo 07/28/2022
Supervised By :Jagrut Upadhyay 07/28/2022



#79
Terphenyl-d14
Concen: 72.840 ng
RT: 19.974 min Scan# 2891
Delta R.T. -0.006 min
Lab File: BG054421.D
Acq: 27 Jul 2022 18:29

Tgt Ion:244 Resp: 544587
Ion Ratio Lower Upper
244 100
212 7.2 6.5 9.7
122 4.6 5.0 7.4#





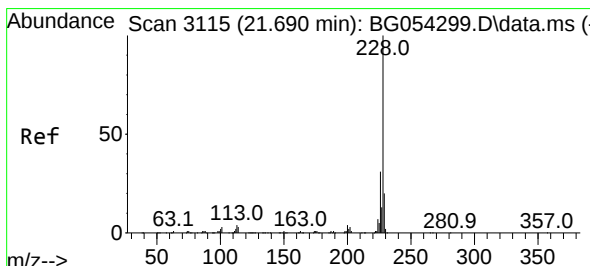
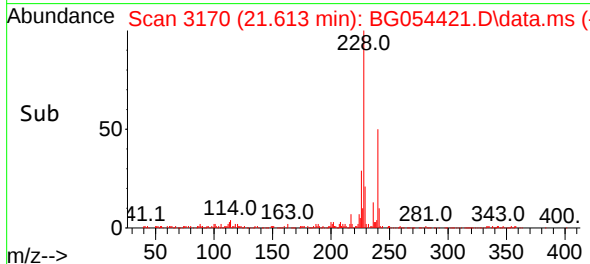
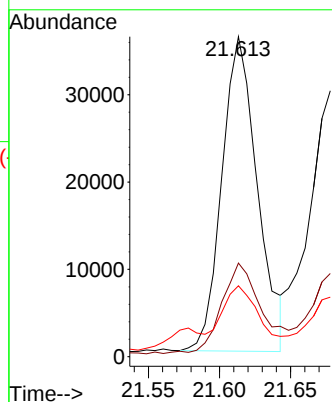
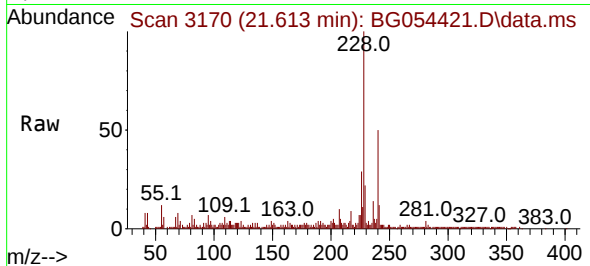
#81
Benzo(a)anthracene
Concen: 6.656 ng
RT: 21.613 min Scan# 3103
Delta R.T. -0.000 min
Lab File: BG054421.D
Acq: 27 Jul 2022 18:29

Instrument :
BNA_G
ClientSampleId :
TP-2

Tgt Ion:228 Resp: 62660
Ion Ratio Lower Upper
228 100
226 29.2 21.6 32.4
229 22.1 16.2 24.2

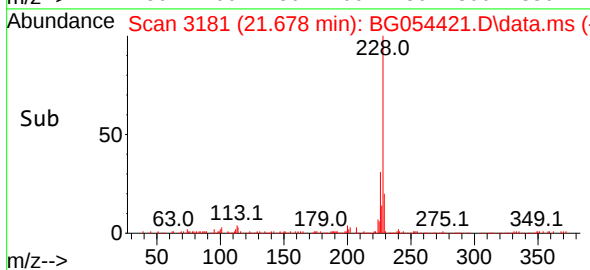
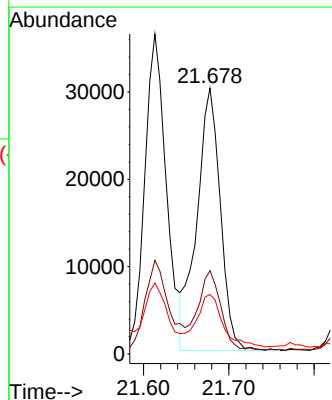
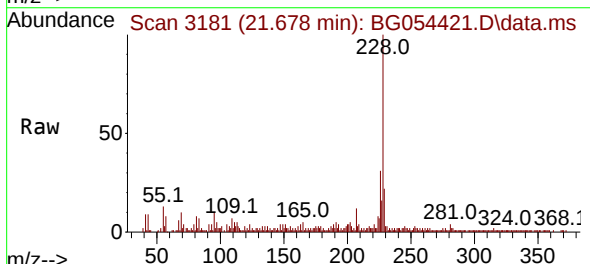
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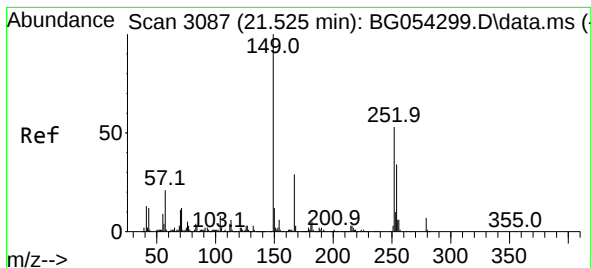
Reviewed By :Christian Giraldo 07/28/2022
Supervised By :Jagrut Upadhyay 07/28/2022



#83
Chrysene
Concen: 6.479 ng
RT: 21.678 min Scan# 3181
Delta R.T. -0.006 min
Lab File: BG054421.D
Acq: 27 Jul 2022 18:29

Tgt Ion:228 Resp: 57630
Ion Ratio Lower Upper
228 100
226 31.3 23.4 35.2
229 22.4 15.5 23.3





#84

Bis(2-ethylhexyl)phthalate

Concen: 5.749 ng

RT: 21.508 min Scan# 3152

Delta R.T. -0.006 min

Lab File: BG054421.D

Acq: 27 Jul 2022 18:29

Instrument :

BNA_G

ClientSampleId :

TP-2

Tgt Ion:149 Resp: 21574

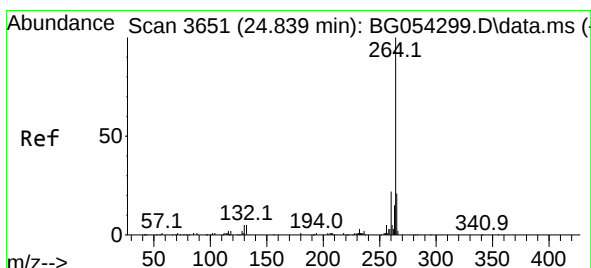
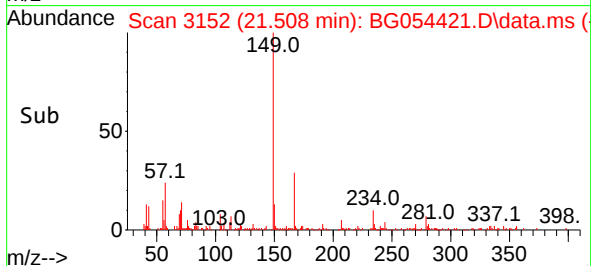
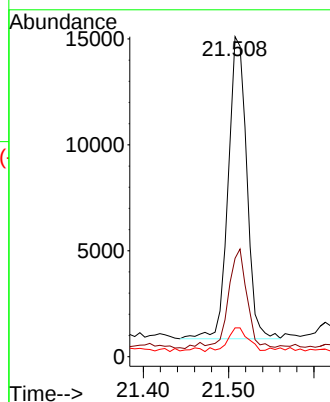
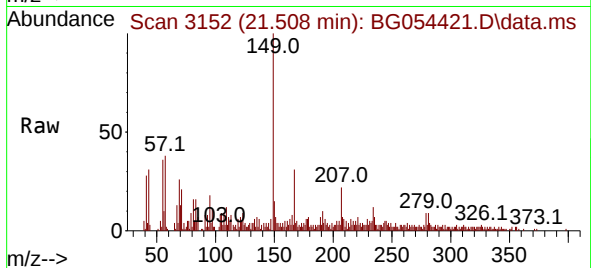
Ion	Ratio	Lower	Upper
149	100		
167	30.8	20.2	30.4
279	9.0	3.6	5.4

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Reviewed By :Christian Giraldo 07/28/2022

Supervised By :Jagrut Upadhyay 07/28/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.839 min Scan# 3719

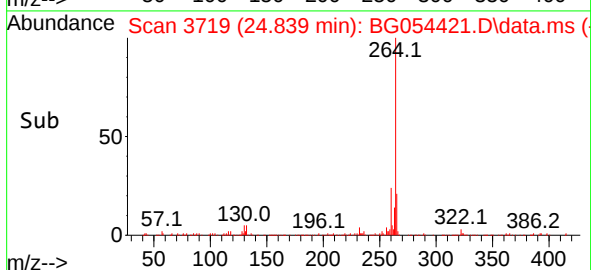
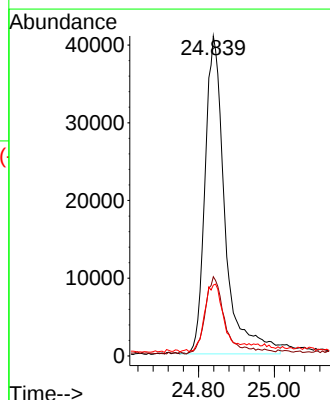
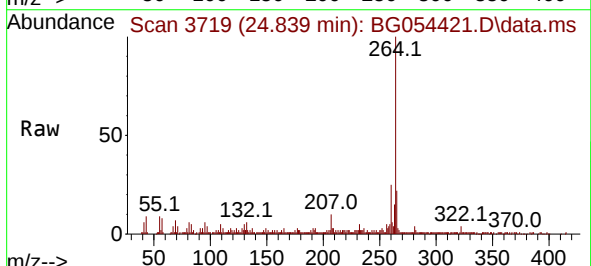
Delta R.T. 0.006 min

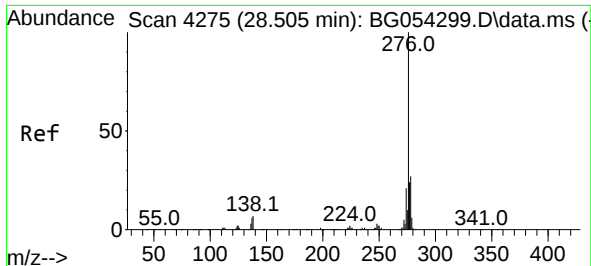
Lab File: BG054421.D

Acq: 27 Jul 2022 18:29

Tgt Ion:264 Resp: 148672

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.0	28.6
265	22.1	17.4	26.2





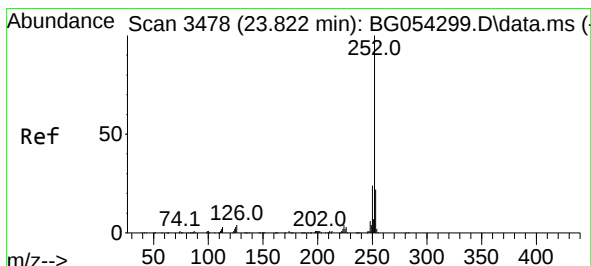
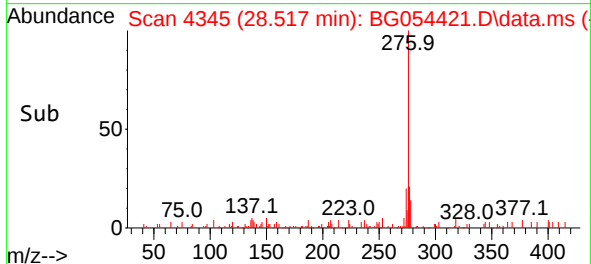
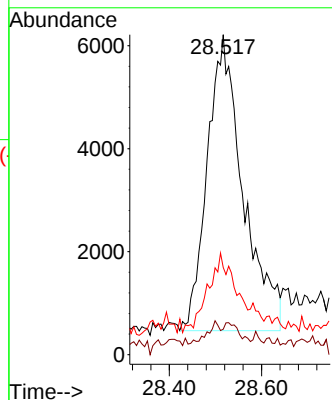
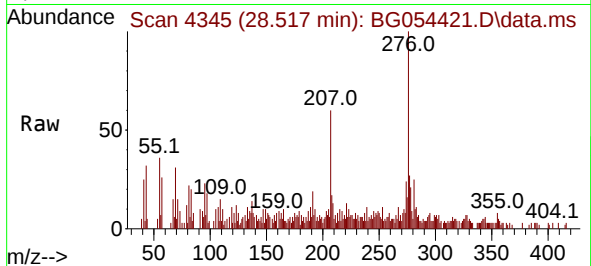
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.740 ng
RT: 28.517 min Scan# 41
Delta R.T. -0.000 min
Lab File: BG054421.D
Acq: 27 Jul 2022 18:29

Instrument :
BNA_G
ClientSampleId :
TP-2

Tgt Ion:276 Resp: 30990
Ion Ratio Lower Upper
276 100
138 3.7 5.0 7.4
277 16.9 20.3 30.5

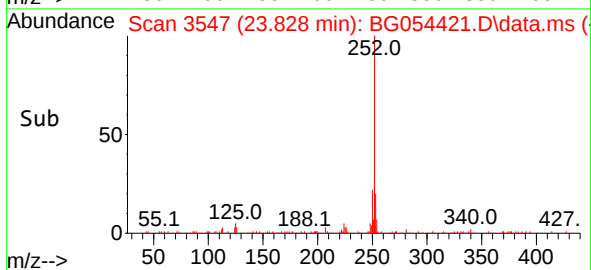
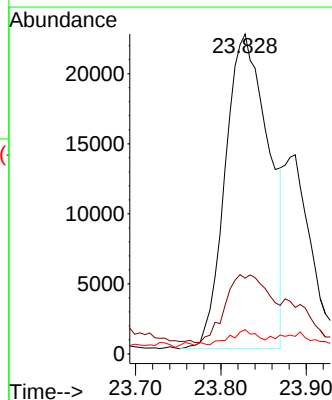
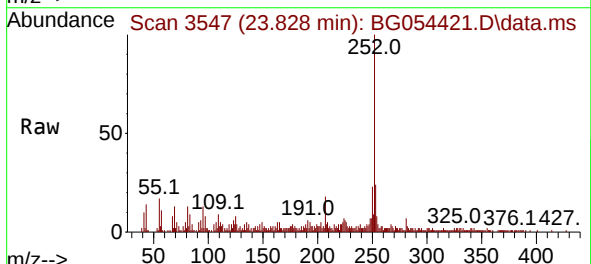
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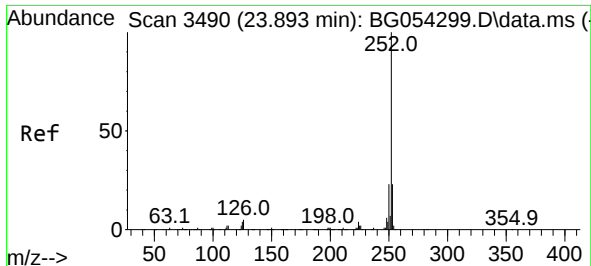
Reviewed By :Christian Giraldo 07/28/2022
Supervised By :Jagrut Upadhyay 07/28/2022



#88
Benzo(b)fluoranthene
Concen: 9.076 ng
RT: 23.828 min Scan# 3547
Delta R.T. 0.006 min
Lab File: BG054421.D
Acq: 27 Jul 2022 18:29

Tgt Ion:252 Resp: 79800
Ion Ratio Lower Upper
252 100
253 23.7 18.0 27.0
125 7.6 4.6 6.8





#89

Benzo(k)fluoranthene

Concen: 3.672 ng m

RT: 23.887 min Scan# 3

Delta R.T. -0.000 min

Lab File: BG054421.D

Acq: 27 Jul 2022 18:29

Instrument :

BNA_G

ClientSampleId :

TP-2

Tgt Ion:252 Resp: 32134

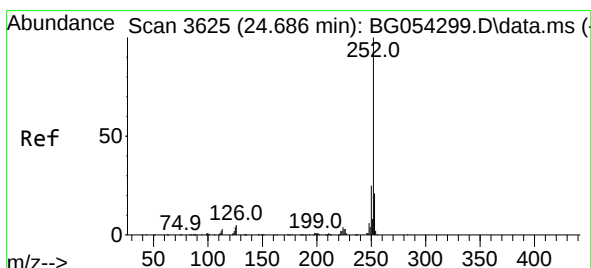
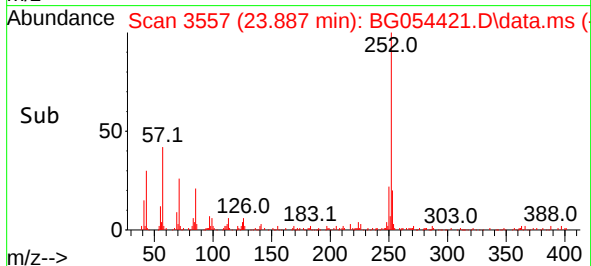
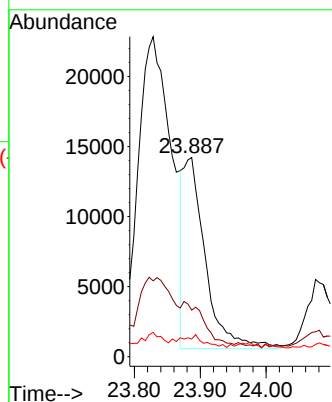
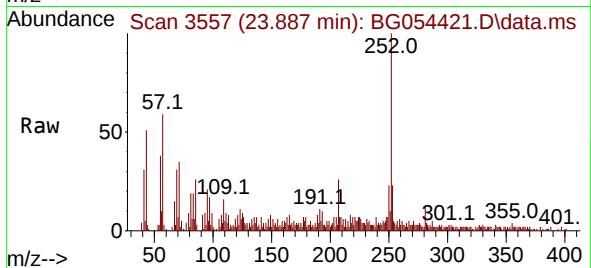
Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.4	27.6
125	8.9	4.8	7.2

Manual Integrations

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Reviewed By :Christian Giraldo 07/28/2022

Supervised By :Jagrut Upadhyay 07/28/2022



#90

Benzo(a)pyrene

Concen: 7.204 ng

RT: 24.686 min Scan# 3693

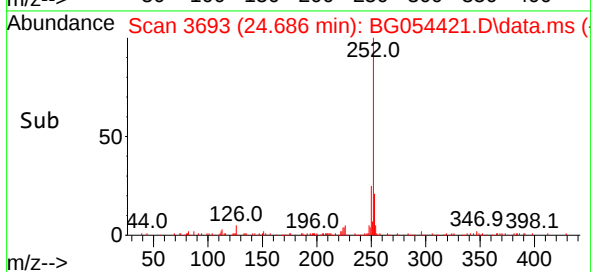
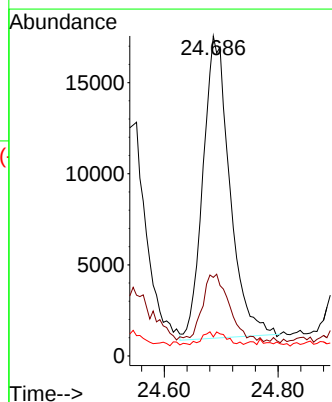
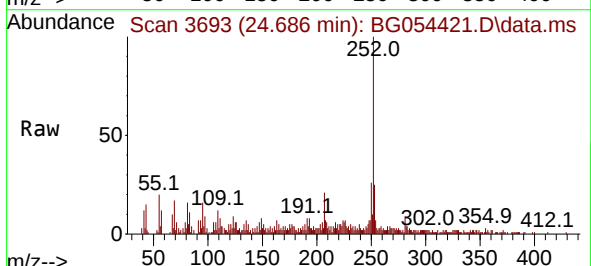
Delta R.T. -0.000 min

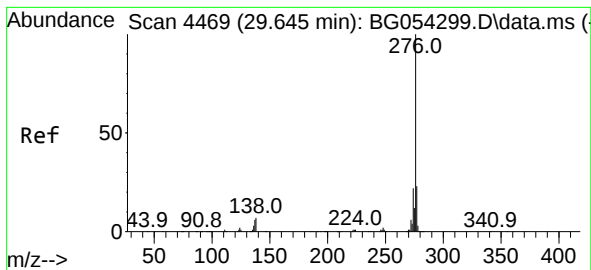
Lab File: BG054421.D

Acq: 27 Jul 2022 18:29

Tgt Ion:252 Resp: 54091

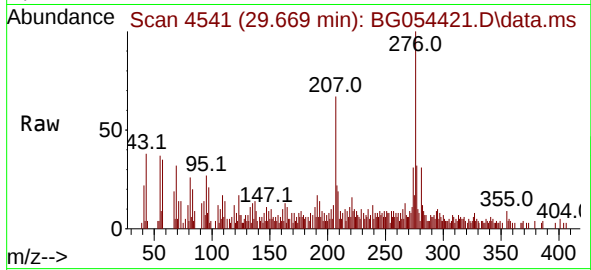
Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.8	26.8
125	5.9	4.3	6.5





#92
 Benzo(g,h,i)perylene
 Concen: 3.782 ng m
 RT: 29.669 min Scan# 4
 Delta R.T. 0.006 min
 Lab File: BG054421.D
 Acq: 27 Jul 2022 18:29

Instrument :
 BNA_G
 ClientSampleId :
 TP-2



Tgt Ion: 276 Resp: 3471
 Ion Ratio Lower Upper
 276 100
 277 31.6 17.3 25.9
 138 8.6 9.6 14.4

Manual Integrations
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Reviewed By : Christian Giraldo 07/28/2022
 Supervised By : Jagrut Upadhyay 07/28/2022

