

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052322\
 Data File : BG053676.D
 Acq On : 23 May 2022 22:47
 Operator : CG/JU
 Sample : N2982-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-7

Quant Time: May 24 05:10:49 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 24 05:05:32 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian
 Giraldo
 05/24/2022
 Supervised By :Jagrut
 Upadhyay
 05/24/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.053	152	28794	20.000	ng	0.00
21) Naphthalene-d8	10.867	136	116032	20.000	ng	0.00
39) Acenaphthene-d10	14.685	164	91810	20.000	ng	0.00
64) Phenanthrene-d10	17.434	188	205194	20.000	ng	0.00
76) Chrysene-d12	21.711	240	191421	20.000	ng	0.00
86) Perylene-d12	24.971	264	191737	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.627	112	163224	96.205	ng	0.00
7) Phenol-d6	7.231	99	248496	96.507	ng	0.00
23) Nitrobenzene-d5	9.222	82	172153	63.157	ng	0.00
42) 2,4,6-Tribromophenol	16.177	330	128106	94.607	ng	0.00
45) 2-Fluorobiphenyl	13.311	172	399826	63.638	ng	0.00
79) Terphenyl-d14	20.037	244	633294	61.618	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.476	178	74376	7.128	ng	96
75) Fluoranthene	19.485	202	137258	10.160	ng	99
78) Pyrene	19.843	202	108050	8.720	ng	98
81) Benzo(a)anthracene	21.687	228	64754	5.304	ng	98
83) Chrysene	21.752	228	60161	5.276	ng	98
87) Indeno(1,2,3-cd)pyrene	28.701	276	37390	2.800	ng	# 97
88) Benzo(b)fluoranthene	23.937	252	77460	6.825	ng	# 96
89) Benzo(k)fluoranthene	23.996	252	27931m	2.504	ng	
90) Benzo(a)pyrene	24.819	252	52187	5.402	ng	# 96
92) Benzo(g,h,i)perylene	29.870	276	33258	3.049	ng	# 86

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

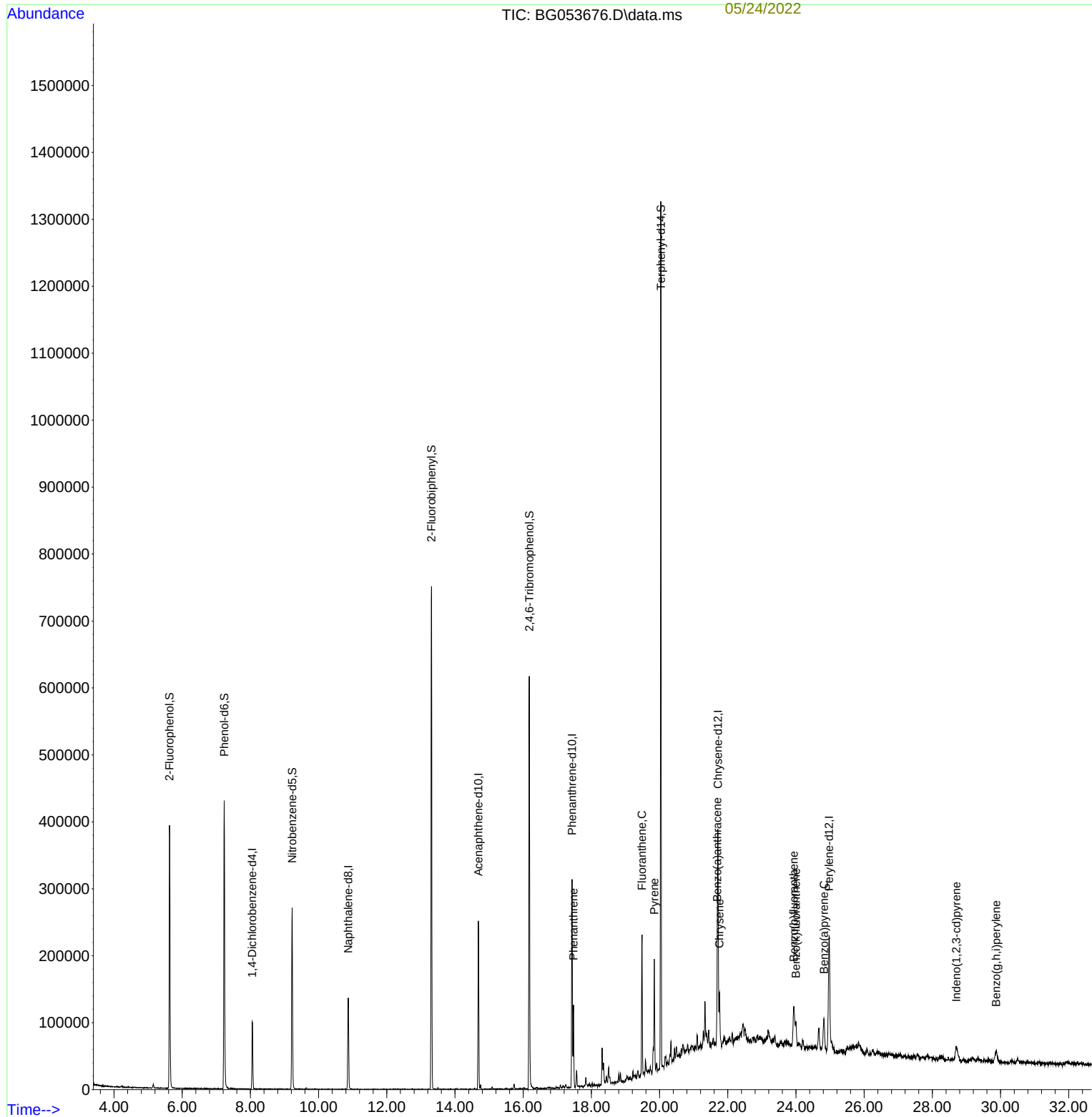
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052322\
Data File : BG053676.D
Acq On : 23 May 2022 22:47
Operator : CG/JU
Sample : N2982-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

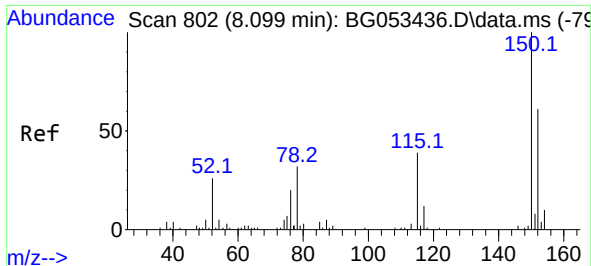
Instrument :
BNA_G
ClientSampleId :
P-7

Quant Time: May 24 05:10:49 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 24 05:05:32 2022
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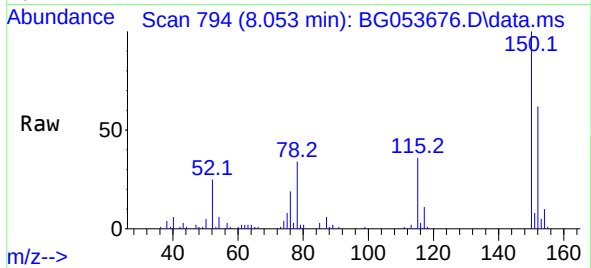
Reviewed By :Christian
Giraldo
05/24/2022
Supervised By :Jagrut
Upadhyay
05/24/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.053 min Scan# 794
Delta R.T. -0.005 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

Instrument :
BNA_G
ClientSampleId :
P-7

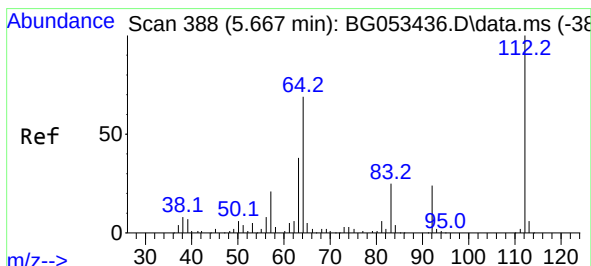
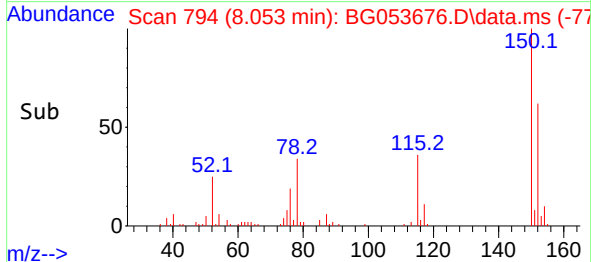
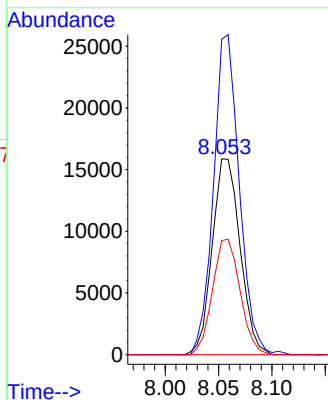


Tgt Ion:152 Resp: 28794
Ion Ratio Lower Upper
152 100
150 161.1 131.6 197.4
115 58.2 50.9 76.3

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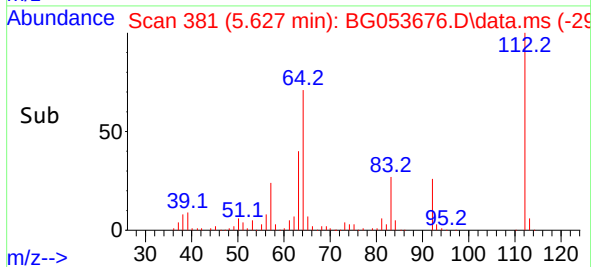
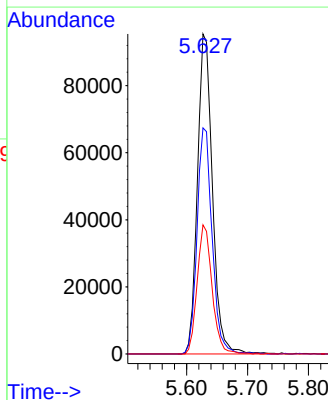
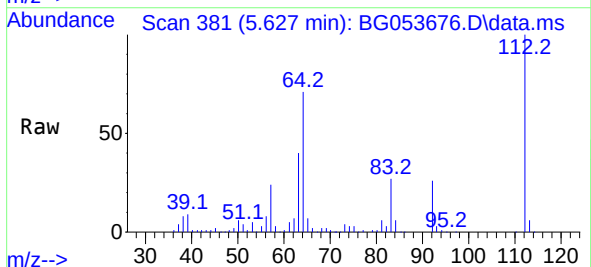
Reviewed By :Christian
Giraldo
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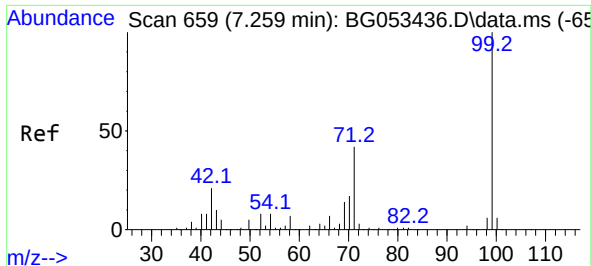
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#5
2-Fluorophenol
Concen: 96.205 ng
RT: 5.627 min Scan# 381
Delta R.T. 0.001 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

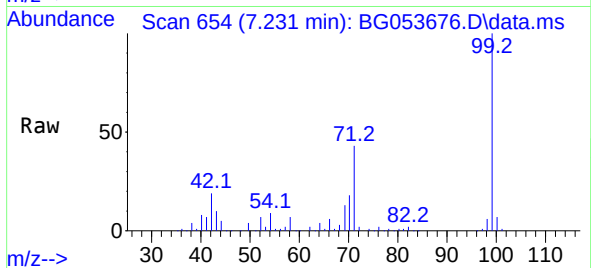
Tgt Ion:112 Resp: 163224
Ion Ratio Lower Upper
112 100
64 70.6 55.1 82.7
63 40.3 30.4 45.6





#7
Phenol-d6
Concen: 96.507 ng
RT: 7.231 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

Instrument :
BNA_G
ClientSampleId :
P-7

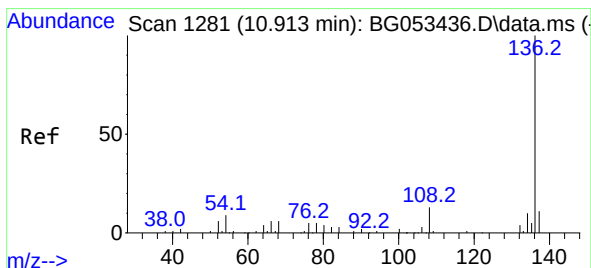
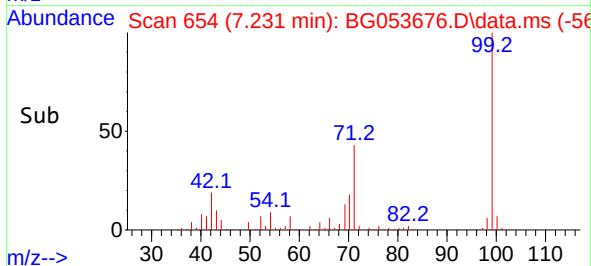
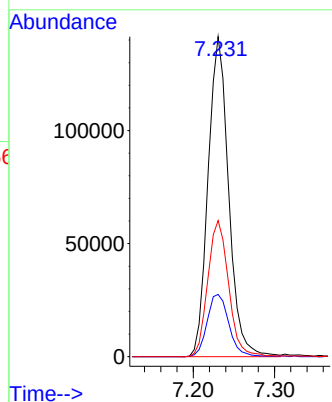


Tgt Ion: 99 Resp: 248490
Ion Ratio Lower Upper
99 100
42 19.4 17.0 25.6
71 42.6 33.8 50.8

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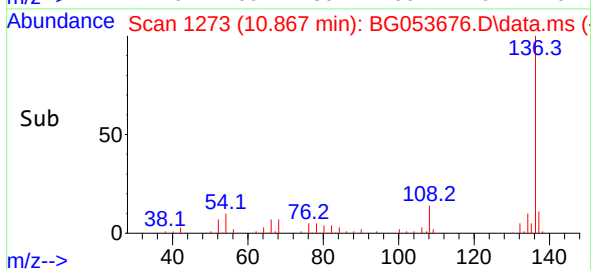
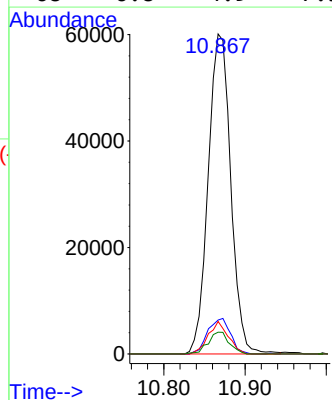
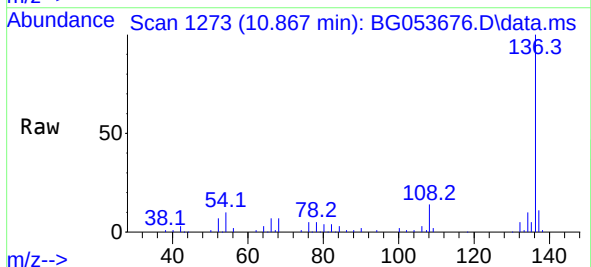
Reviewed By :Christian
Giraldo
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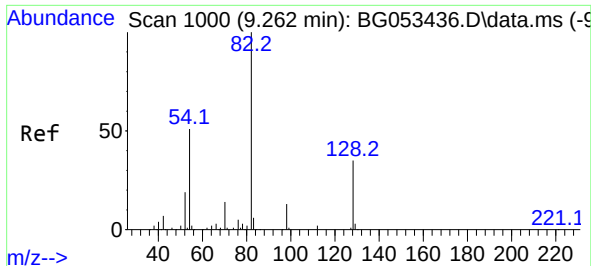
Supervised By :Jagrut
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.867 min Scan# 1273
Delta R.T. -0.005 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

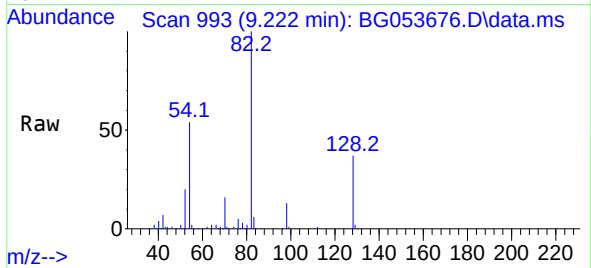
Tgt Ion:136 Resp: 116032
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 10.1 7.4 11.2
68 6.8 4.9 7.3





#23
Nitrobenzene-d5
Concen: 63.157 ng
RT: 9.222 min Scan# 91
Delta R.T. -0.005 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

Instrument :
BNA_G
ClientSampleId :
P-7

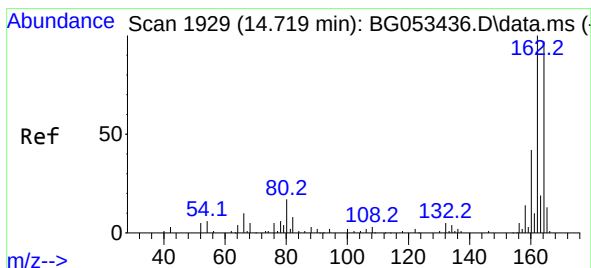
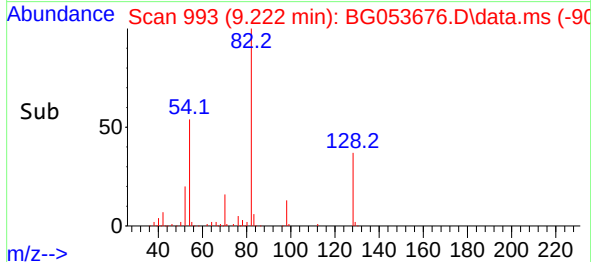
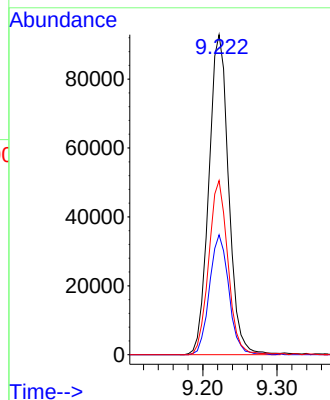


Tgt Ion: 82 Resp: 17215
Ion Ratio Lower Upper
82 100
128 37.5 27.9 41.9
54 54.4 41.2 61.8

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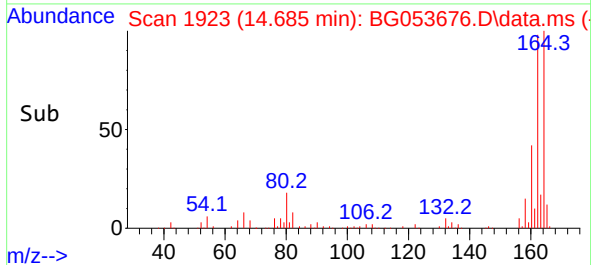
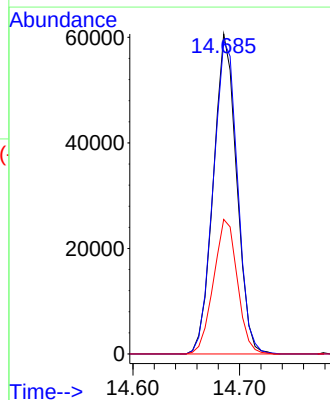
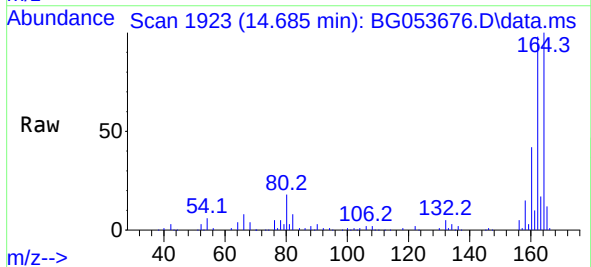
Reviewed By :Christian
Giraldo
05/24/2022

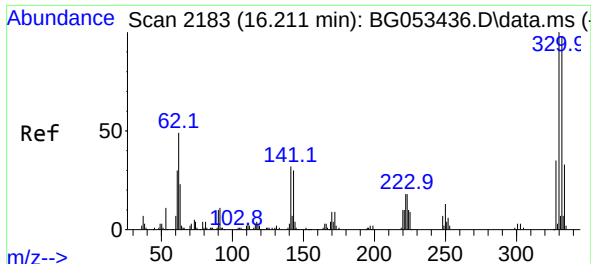
Supervised By :Jagrut
Upadhyay
05/24/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.685 min Scan# 1923
Delta R.T. -0.005 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

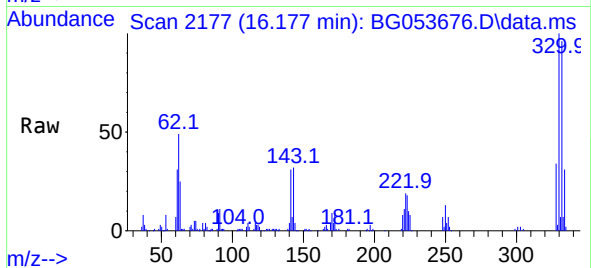
Tgt Ion:164 Resp: 91810
Ion Ratio Lower Upper
164 100
162 97.8 82.3 123.5
160 42.0 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 94.607 ng
RT: 16.177 min Scan# 2183
Delta R.T. -0.005 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

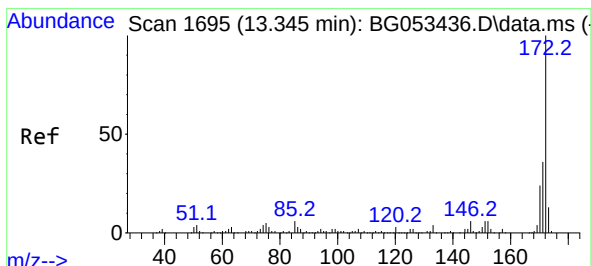
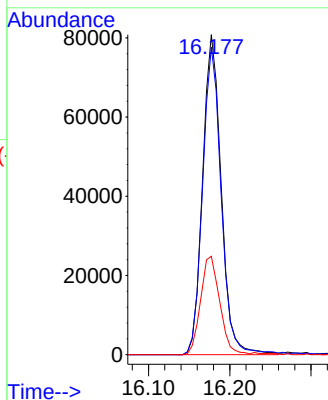
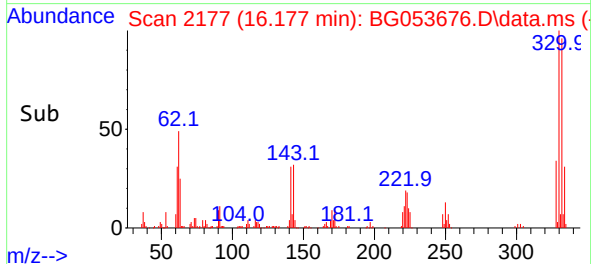
Instrument :
BNA_G
ClientSampleId :
P-7



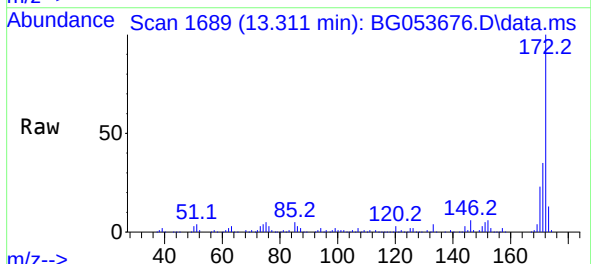
Tgt Ion:330 Resp: 128100
Ion Ratio Lower Upper
330 100
332 96.6 76.0 114.0
141 31.7 27.1 40.7

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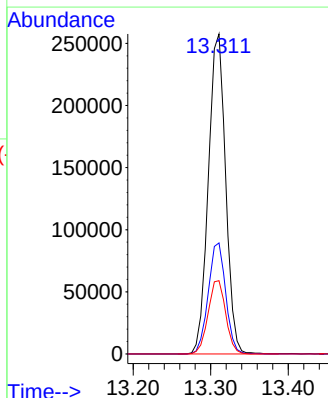
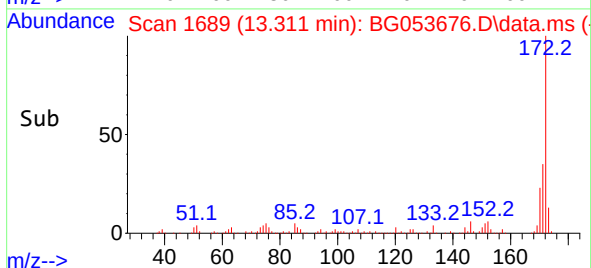
Reviewed By :Christian
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05/24/2022
Supervised By :Jagrut
Upadhyay
05/24/2022

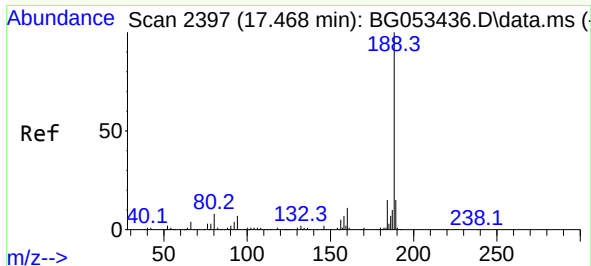


#45
2-Fluorobiphenyl
Concen: 63.638 ng
RT: 13.311 min Scan# 1689
Delta R.T. -0.005 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47



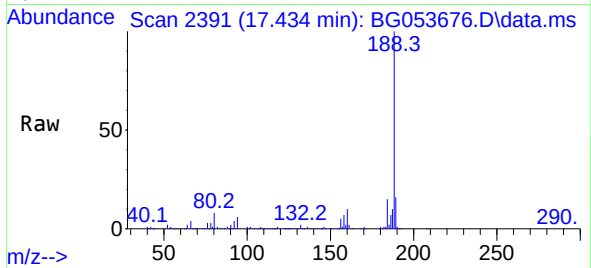
Tgt Ion:172 Resp: 399826
Ion Ratio Lower Upper
172 100
171 34.7 28.5 42.7
170 22.9 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.434 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

Instrument :
BNA_G
ClientSampleId :
P-7

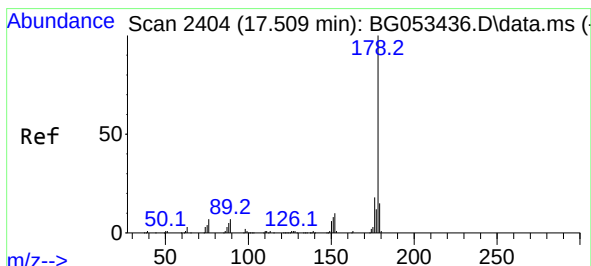
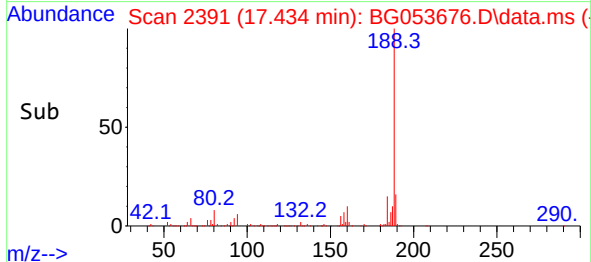
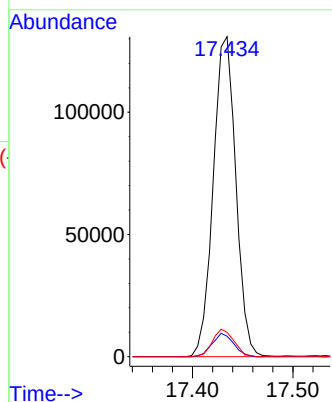


Tgt Ion:188 Resp: 205194
Ion Ratio Lower Upper
188 100
94 6.4 5.4 8.0
80 7.6 6.8 10.2

Manual Integrations
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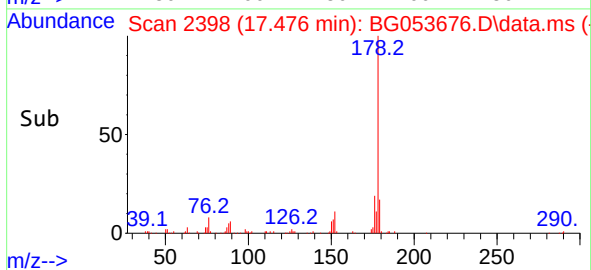
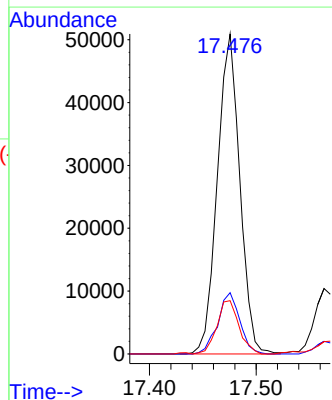
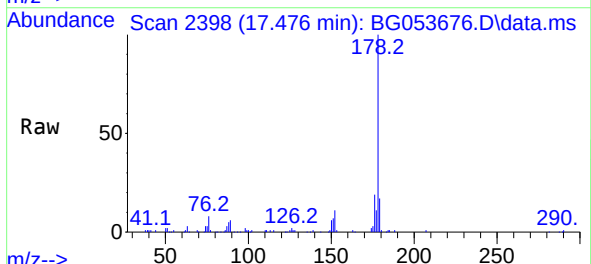
Reviewed By :Christian
Giraldo
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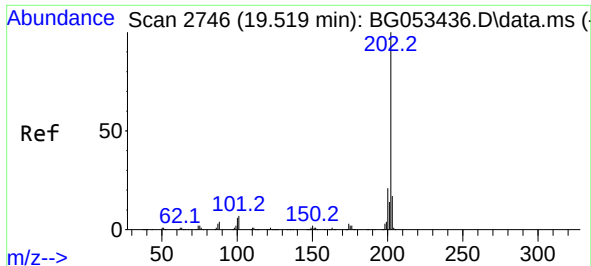
Supervised By :Jagrut
Upadhyay
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#71
Phenanthrene
Concen: 7.128 ng
RT: 17.476 min Scan# 2398
Delta R.T. -0.005 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

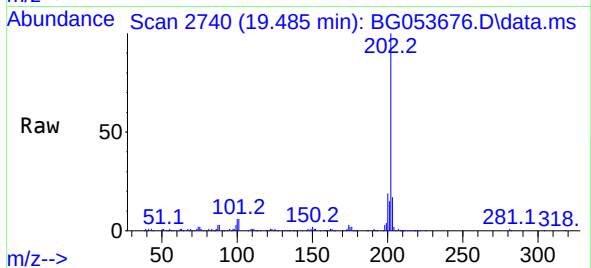
Tgt Ion:178 Resp: 74376
Ion Ratio Lower Upper
178 100
176 19.1 14.1 21.1
179 16.7 12.1 18.1





#75
Fluoranthene
Concen: 10.160 ng
RT: 19.485 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

Instrument :
BNA_G
ClientSampleId :
P-7

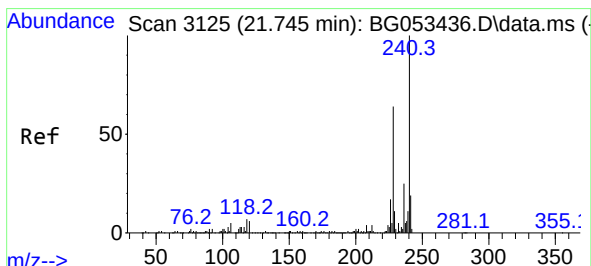
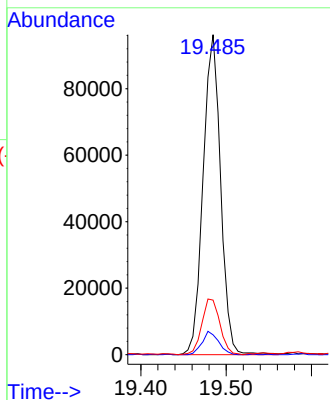
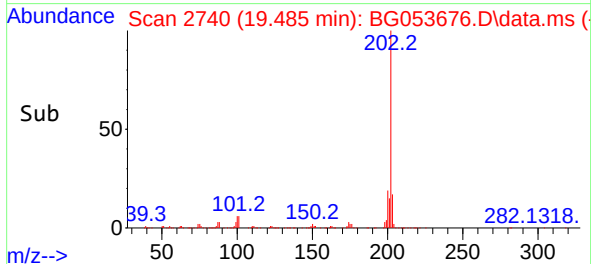


Tgt Ion:202 Resp: 13725
Ion Ratio Lower Upper
202 100
101 6.2 0.0 26.9
203 17.0 0.0 37.2

Manual Integrations
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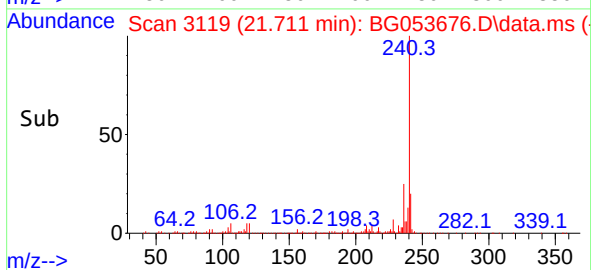
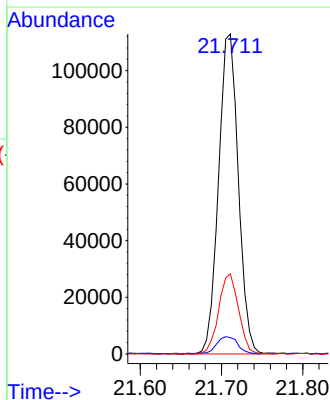
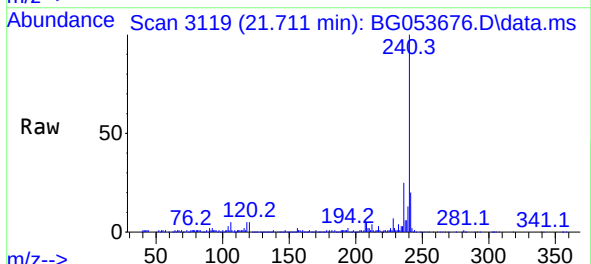
Reviewed By :Christian
Giraldo
05/24/2022

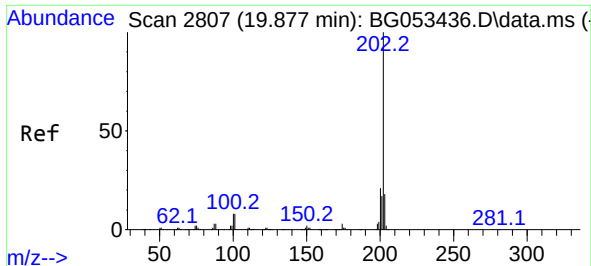
Supervised By :Jagrut
Upadhyay
05/24/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.711 min Scan# 3119
Delta R.T. -0.005 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

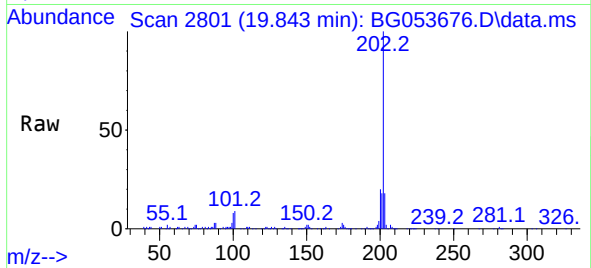
Tgt Ion:240 Resp: 191421
Ion Ratio Lower Upper
240 100
120 5.1 4.6 7.0
236 25.1 20.2 30.4





#78
Pyrene
Concen: 8.720 ng
RT: 19.843 min Scan# 2807
Delta R.T. -0.011 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

Instrument :
BNA_G
ClientSampleId :
P-7

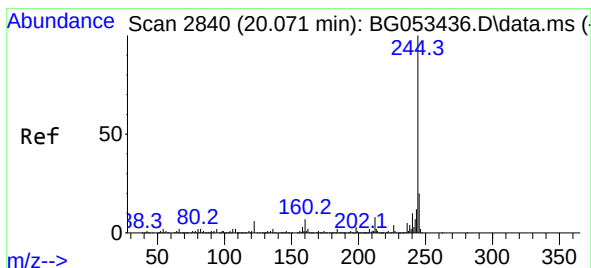
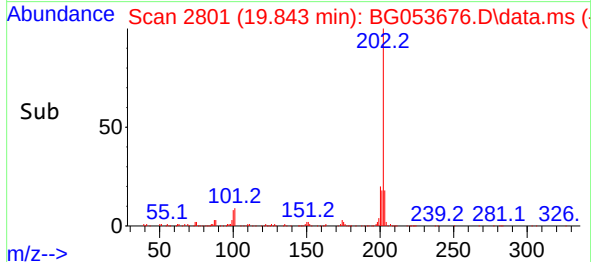
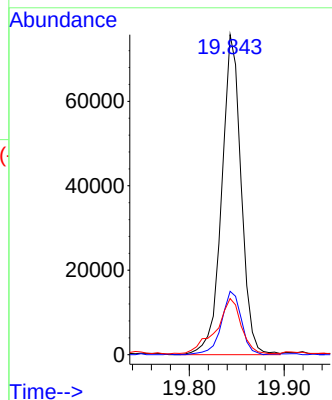


Tgt Ion:202 Resp: 108050
Ion Ratio Lower Upper
202 100
200 19.8 16.6 24.8
203 17.6 14.6 21.8

Manual Integrations
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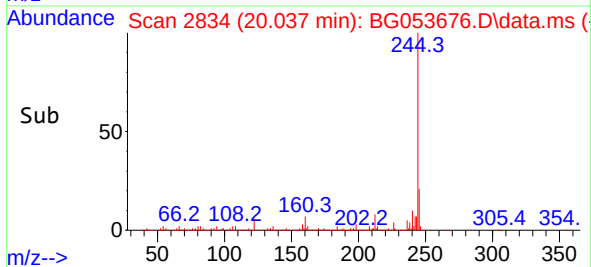
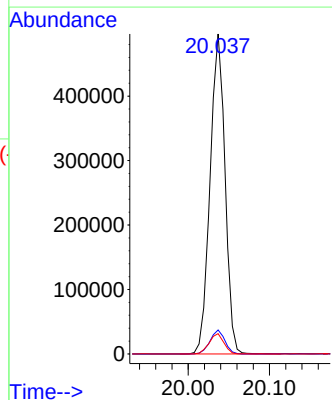
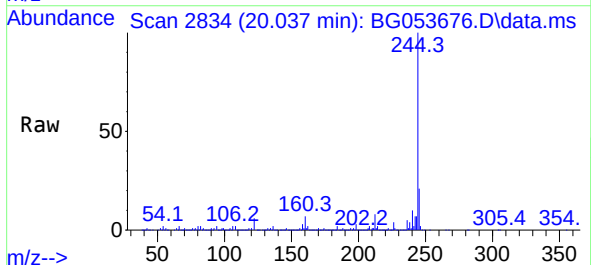
Reviewed By :Christian
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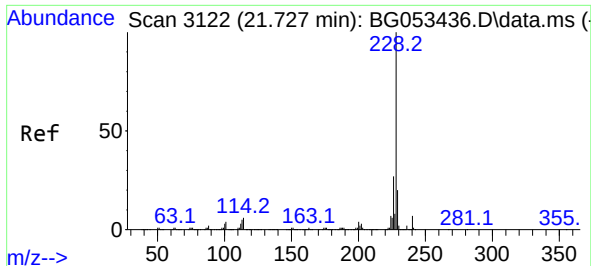
Supervised By :Jagrut
Upadhyay
05/24/2022



#79
Terphenyl-d14
Concen: 61.618 ng
RT: 20.037 min Scan# 2834
Delta R.T. -0.005 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

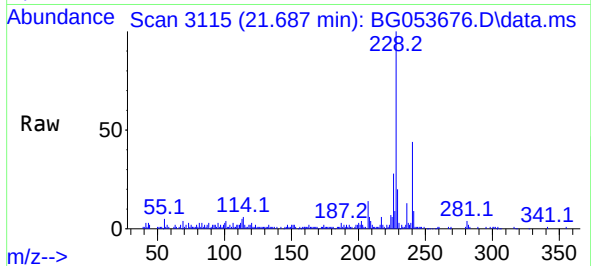
Tgt Ion:244 Resp: 633294
Ion Ratio Lower Upper
244 100
212 7.5 6.5 9.7
122 6.4 5.0 7.4





#81
Benzo(a)anthracene
Concen: 5.304 ng
RT: 21.687 min Scan# 3115
Delta R.T. -0.011 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

Instrument :
BNA_G
ClientSampleId :
P-7

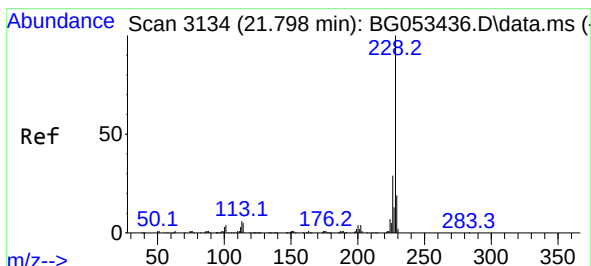
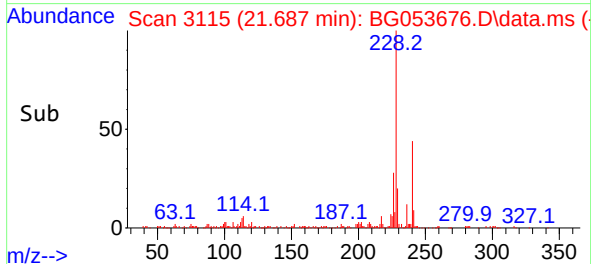
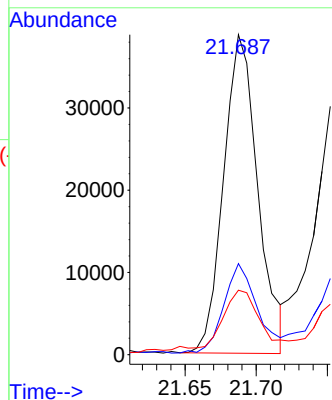


Tgt Ion:228 Resp: 64754
Ion Ratio Lower Upper
228 100
226 28.5 21.6 32.4
229 20.2 16.2 24.2

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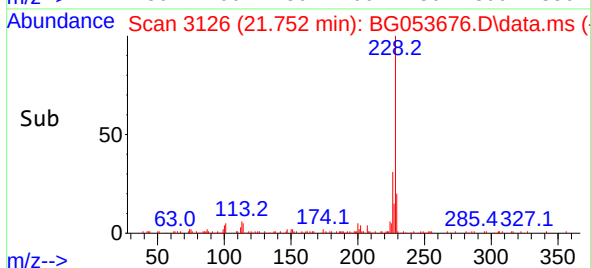
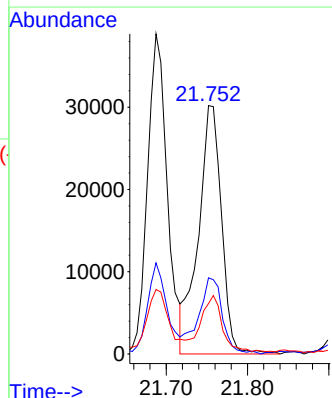
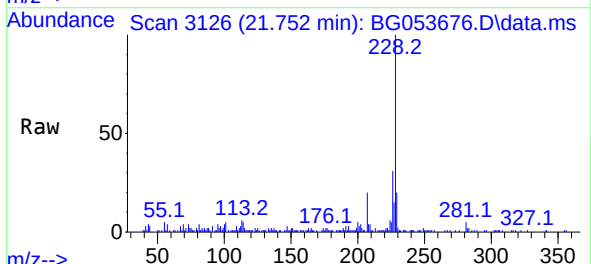
Reviewed By :Christian
Giraldo
05/24/2022

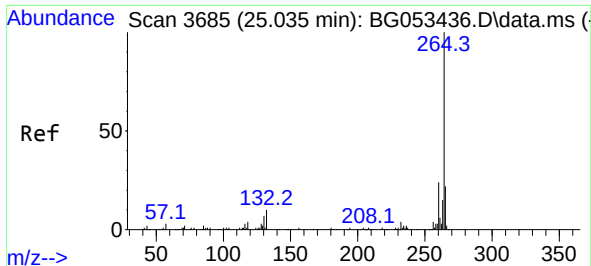
Supervised By :Jagrut
Upadhyay
05/24/2022



#83
Chrysene
Concen: 5.276 ng
RT: 21.752 min Scan# 3126
Delta R.T. -0.011 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

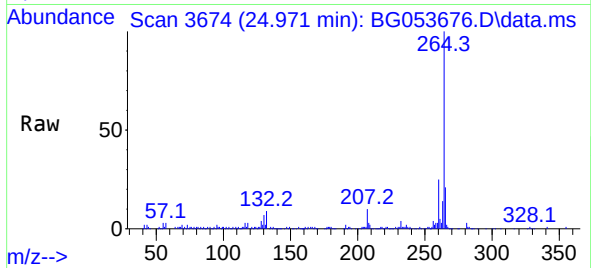
Tgt Ion:228 Resp: 60161
Ion Ratio Lower Upper
228 100
226 30.7 23.4 35.2
229 20.3 15.5 23.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.971 min Scan# 30
Delta R.T. -0.011 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

Instrument :
BNA_G
ClientSampleId :
P-7

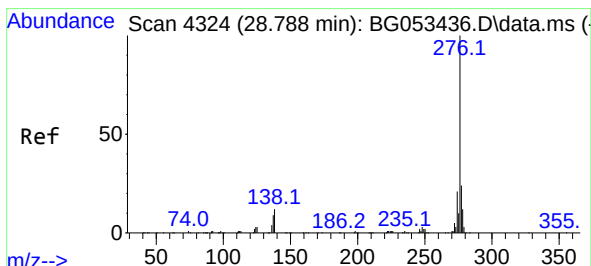
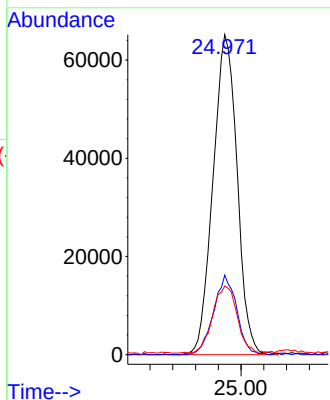
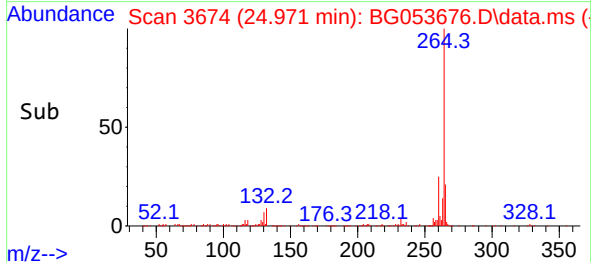


Tgt Ion:264 Resp: 19173
Ion Ratio Lower Upper
264 100
260 24.8 19.0 28.6
265 21.5 17.4 26.2

Manual Integrations
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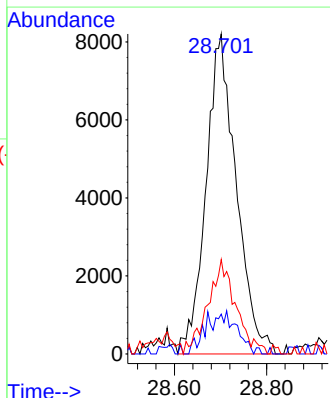
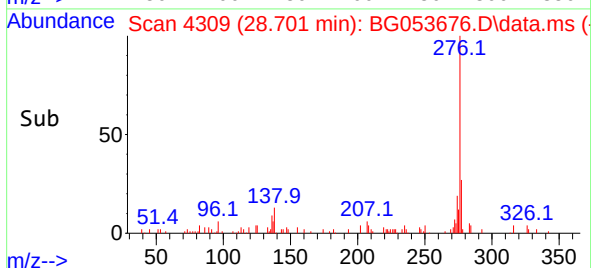
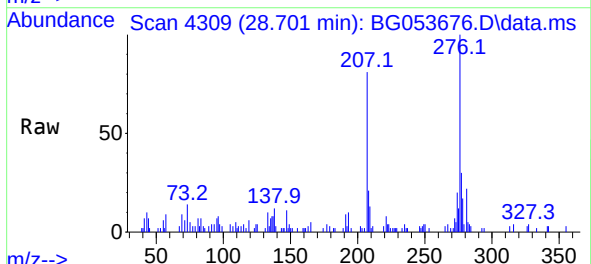
Reviewed By :Christian
Giraldo
05/24/2022

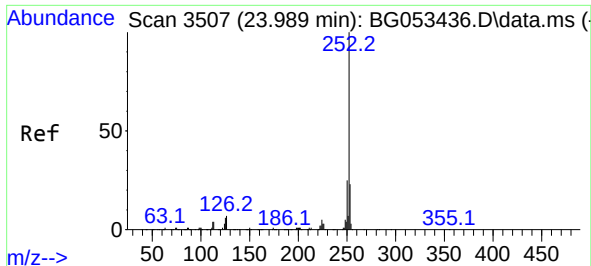
Supervised By :Jagrut
Upadhyay
05/24/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.800 ng
RT: 28.701 min Scan# 4309
Delta R.T. -0.028 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

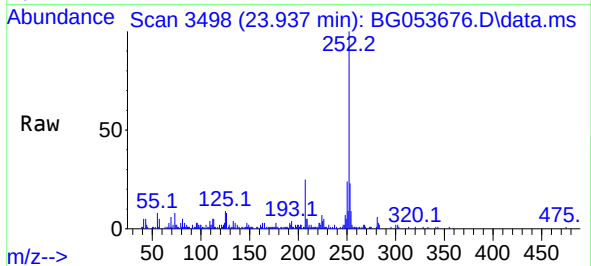
Tgt Ion:276 Resp: 37390
Ion Ratio Lower Upper
276 100
138 8.8 5.0 7.4#
277 26.2 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 6.825 ng
RT: 23.937 min Scan# 3498
Delta R.T. -0.005 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

Instrument :
BNA_G
ClientSampleId :
P-7

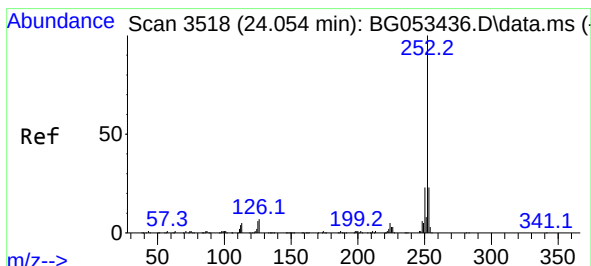
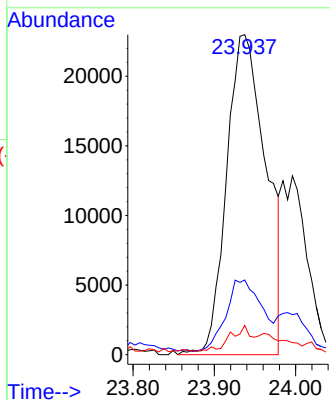
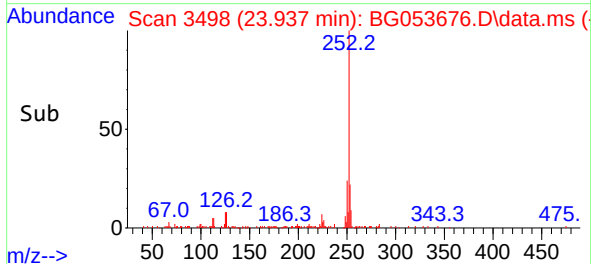


Tgt Ion:252 Resp: 77460
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 9.1 4.6 6.8

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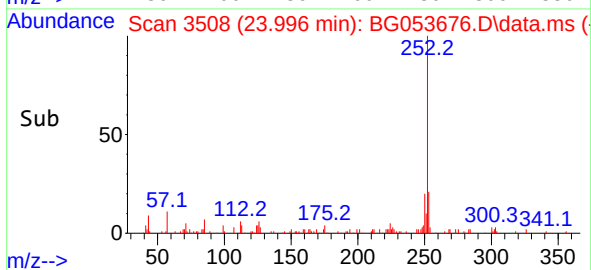
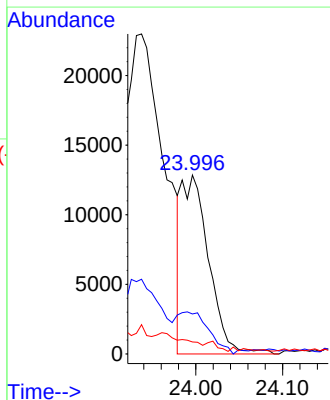
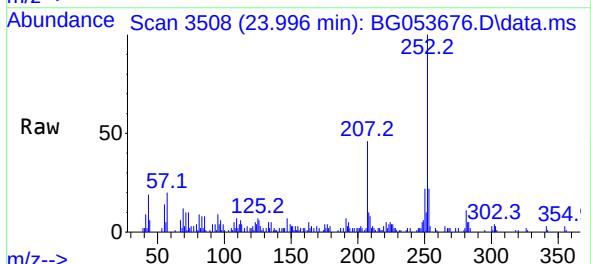
Reviewed By :Christian
Giraldo
05/24/2022

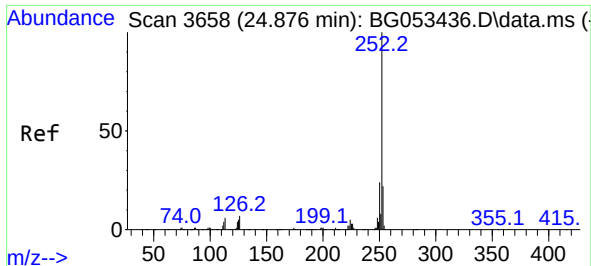
Supervised By :Jagrut
Upadhyay
05/24/2022



#89
Benzo(k)fluoranthene
Concen: 2.504 ng m
RT: 23.996 min Scan# 3508
Delta R.T. -0.016 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

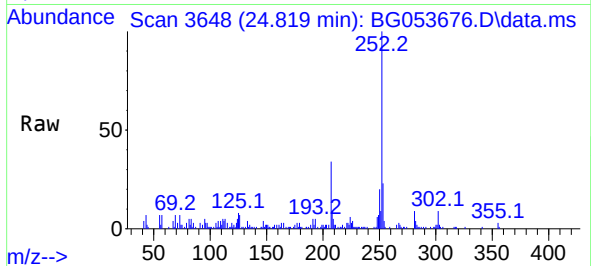
Tgt Ion:252 Resp: 27931
Ion Ratio Lower Upper
252 100
253 22.4 18.4 27.6
125 6.7 4.8 7.2





#90
Benzo(a)pyrene
Concen: 5.402 ng
RT: 24.819 min Scan# 30
Delta R.T. -0.011 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

Instrument :
BNA_G
ClientSampleId :
P-7

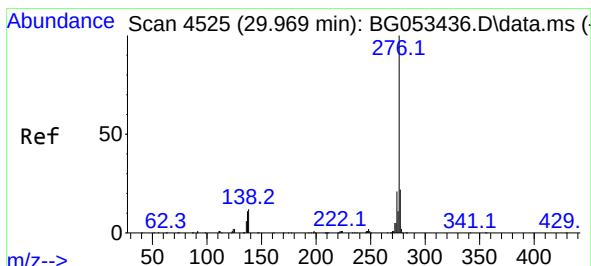
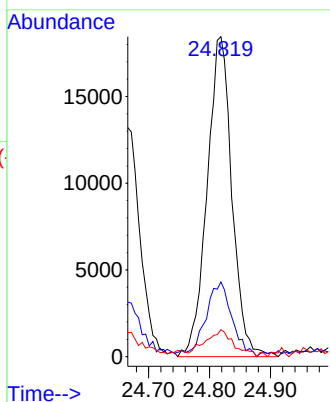
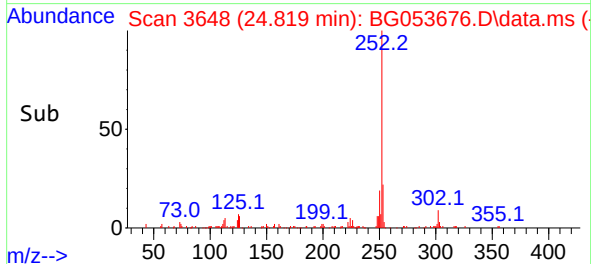


Tgt Ion:252 Resp: 5218
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 8.4 4.3 6.5

Manual Integrations
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Reviewed By :Christian
Giraldo
05/24/2022

Supervised By :Jagrut
Upadhyay
05/24/2022



#92
Benzo(g,h,i)perylene
Concen: 3.049 ng
RT: 29.870 min Scan# 4508
Delta R.T. -0.034 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

Tgt Ion:276 Resp: 33258
Ion Ratio Lower Upper
276 100
277 30.6 17.3 25.9#
138 14.4 9.6 14.4#

