

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052322\
 Data File : BG053675.D
 Acq On : 23 May 2022 22:07
 Operator : CG/JU
 Sample : N2982-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-5

Manual Integrations
 APPROVED

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

Quant Time: May 24 05:10:41 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.055	152	30120	20.000	ng	0.00
21) Naphthalene-d8	10.868	136	125211	20.000	ng	0.00
39) Acenaphthene-d10	14.687	164	94635	20.000	ng	0.00
64) Phenanthrene-d10	17.430	188	203210	20.000	ng	0.00
76) Chrysene-d12	21.713	240	204541	20.000	ng	0.00
86) Perylene-d12	24.973	264	210390	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.628	112	193967	109.292	ng	0.00
7) Phenol-d6	7.232	99	290673	107.918	ng	0.00
23) Nitrobenzene-d5	9.224	82	201951	68.658	ng	0.00
42) 2,4,6-Tribromophenol	16.179	330	141541	101.408	ng	0.00
45) 2-Fluorobiphenyl	13.306	172	467640	72.209	ng	0.00
79) Terphenyl-d14	20.038	244	704446	64.144	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.411	152	46178	5.726	ng	96
75) Fluoranthene	19.480	202	42835	3.202	ng	98
78) Pyrene	19.845	202	267262	20.185	ng	99
81) Benzo(a)anthracene	21.689	228	73985	5.671	ng	# 88
83) Chrysene	21.730	228	103722	8.513	ng	# 79
87) Indeno(1,2,3-cd)pyrene	28.715	276	132943	9.073	ng	# 96
88) Benzo(b)fluoranthene	23.933	252	190103	15.265	ng	99
89) Benzo(k)fluoranthene	23.998	252	65826m	5.379	ng	
90) Benzo(a)pyrene	24.814	252	155576	14.678	ng	# 98
91) Dibenzo(a,h)anthracene	28.738	278	40489	3.353	ng	98
92) Benzo(g,h,i)perylene	29.878	276	159794	13.351	ng	97

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

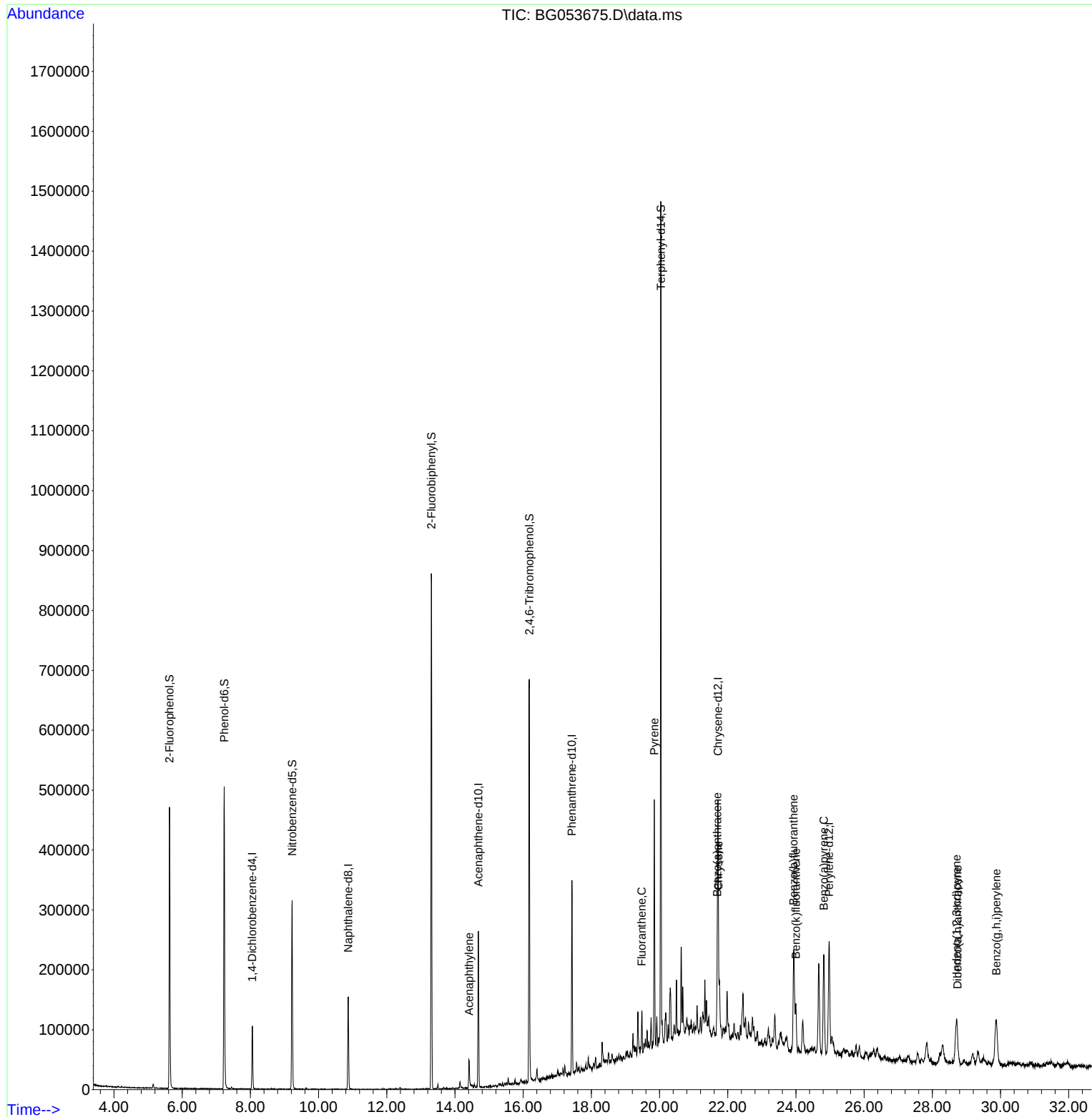
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052322\
Data File : BG053675.D
Acq On : 23 May 2022 22:07
Operator : CG/JU
Sample : N2982-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

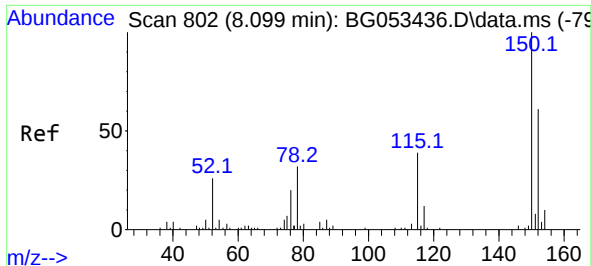
Instrument :
BNA_G
ClientSampleId :
P-5

Quant Time: May 24 05:10:41 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
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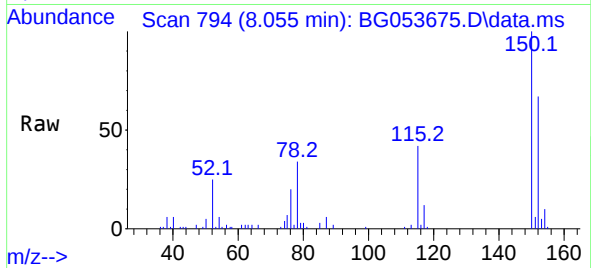
Reviewed By : Christian Giraldo 05/24/2022
Supervised By : Jagrut Upadhyay 05/24/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.055 min Scan# 794
Delta R.T. -0.003 min
Lab File: BG053675.D
Acq: 23 May 2022 22:07

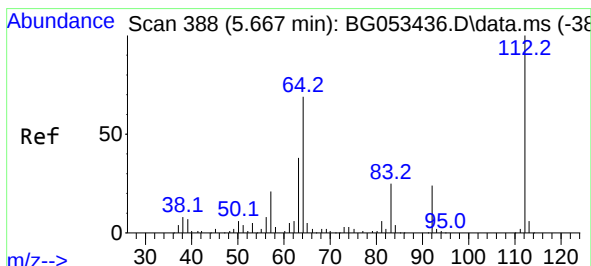
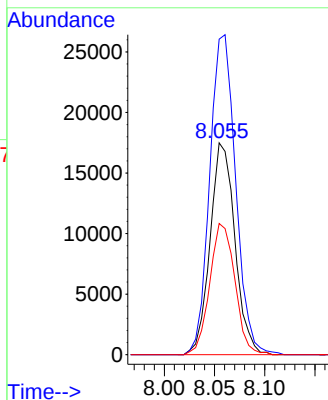
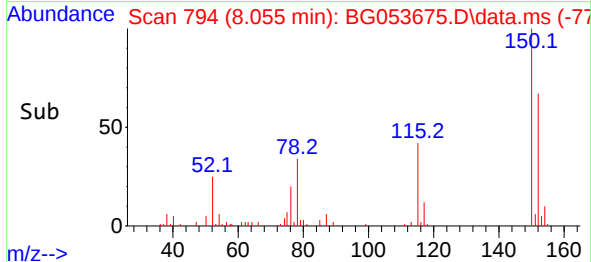
Instrument :
BNA_G
ClientSampleId :
P-5



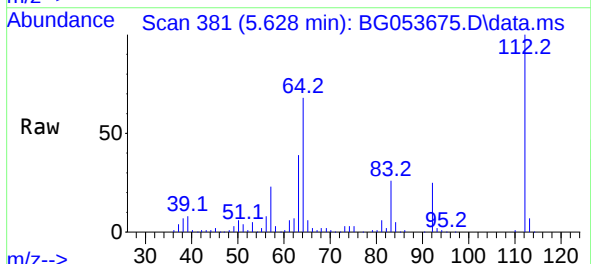
Tgt Ion:152 Resp: 30120
Ion Ratio Lower Upper
152 100
150 148.9 131.6 197.4
115 62.0 50.9 76.3

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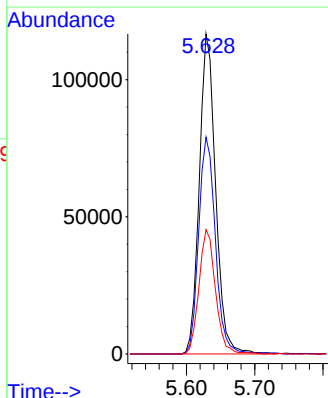
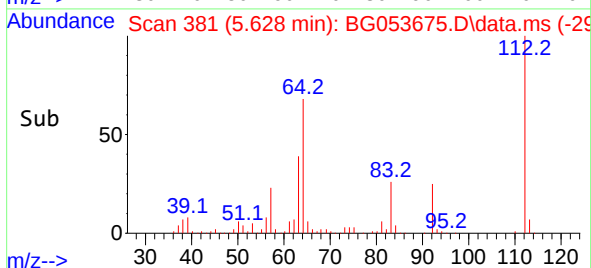
Reviewed By :Christian Giraldo 05/24/2022
Supervised By :Jagrut Upadhyay 05/24/2022



#5
2-Fluorophenol
Concen: 109.292 ng
RT: 5.628 min Scan# 381
Delta R.T. 0.003 min
Lab File: BG053675.D
Acq: 23 May 2022 22:07



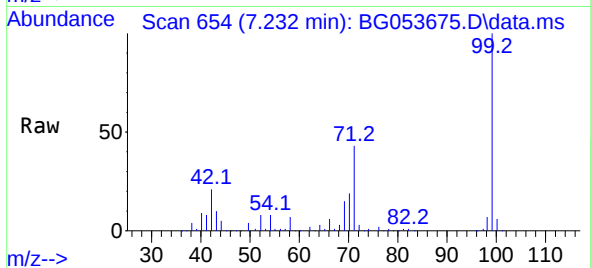
Tgt Ion:112 Resp: 193967
Ion Ratio Lower Upper
112 100
64 67.7 55.1 82.7
63 38.9 30.4 45.6





#7
Phenol-d6
Concen: 107.918 ng
RT: 7.232 min Scan# 61
Delta R.T. 0.003 min
Lab File: BG053675.D
Acq: 23 May 2022 22:07

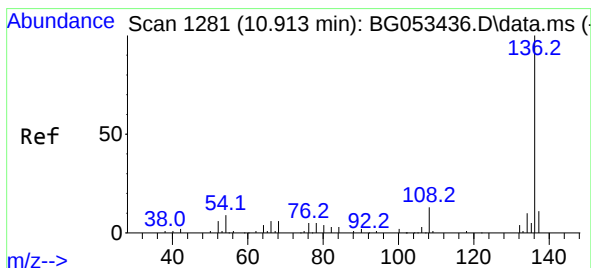
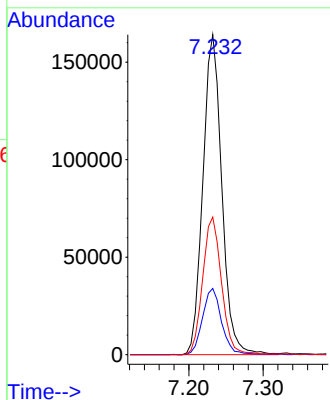
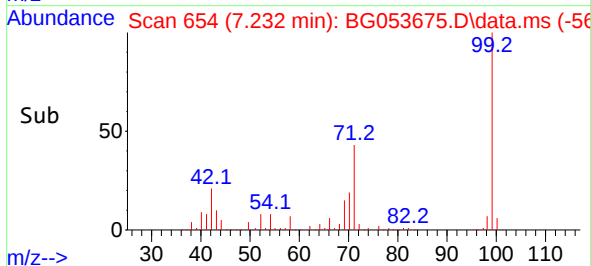
Instrument :
BNA_G
ClientSampleId :
P-5



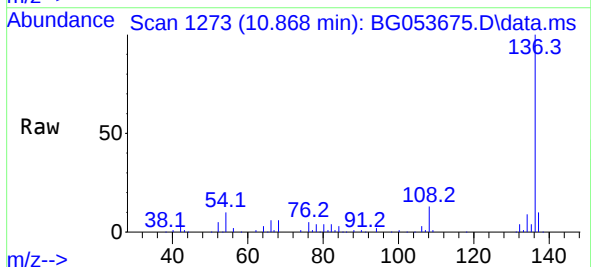
Tgt Ion: 99 Resp: 29067
Ion Ratio Lower Upper
99 100
42 20.7 17.0 25.6
71 43.0 33.8 50.8

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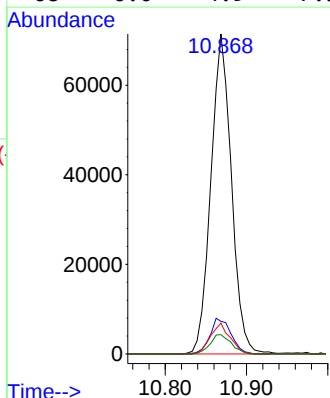
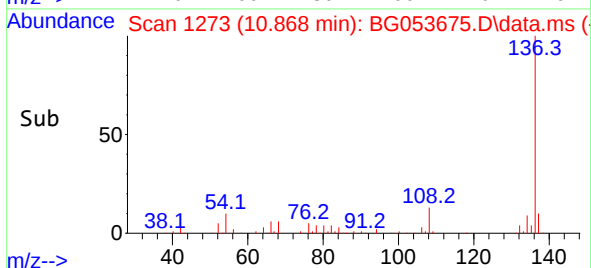
Reviewed By :Christian Giraldo 05/24/2022
Supervised By :Jagrut Upadhyay 05/24/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.868 min Scan# 1273
Delta R.T. -0.003 min
Lab File: BG053675.D
Acq: 23 May 2022 22:07



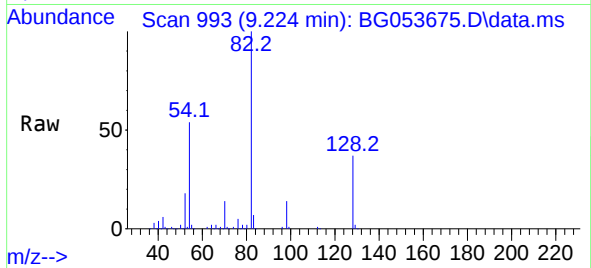
Tgt Ion:136 Resp: 125211
Ion Ratio Lower Upper
136 100
137 10.2 8.5 12.7
54 9.6 7.4 11.2
68 6.0 4.9 7.3





#23
Nitrobenzene-d5
Concen: 68.658 ng
RT: 9.224 min Scan# 90
Delta R.T. -0.003 min
Lab File: BG053675.D
Acq: 23 May 2022 22:07

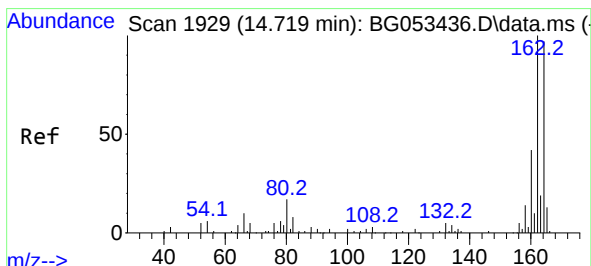
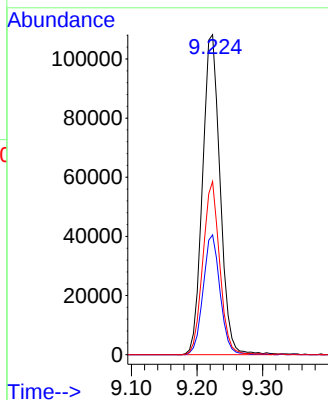
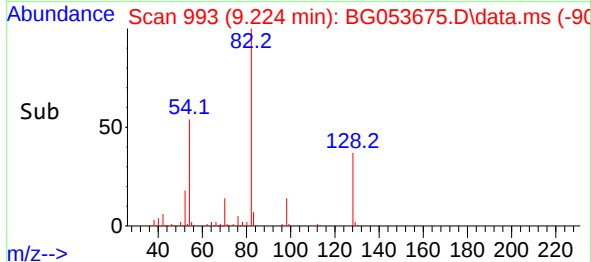
Instrument :
BNA_G
ClientSampleId :
P-5



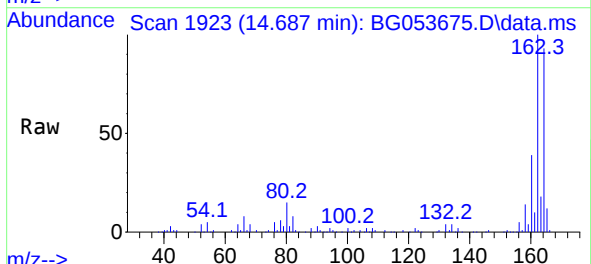
Tgt Ion: 82 Resp: 20195
Ion Ratio Lower Upper
82 100
128 37.4 27.9 41.9
54 54.1 41.2 61.8

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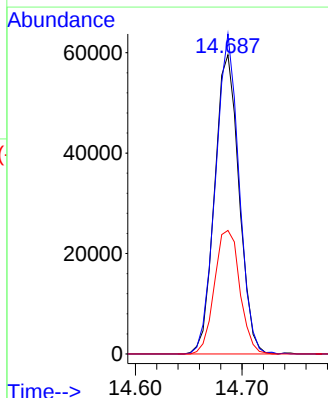
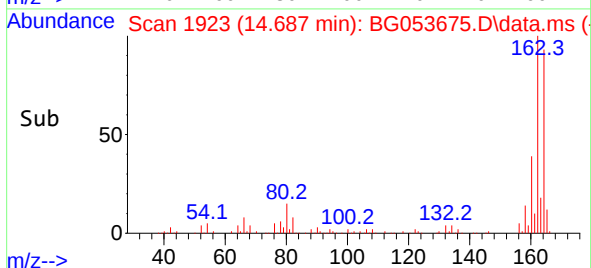
Reviewed By :Christian Giraldo 05/24/2022
Supervised By :Jagrut Upadhyay 05/24/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.687 min Scan# 1923
Delta R.T. -0.003 min
Lab File: BG053675.D
Acq: 23 May 2022 22:07



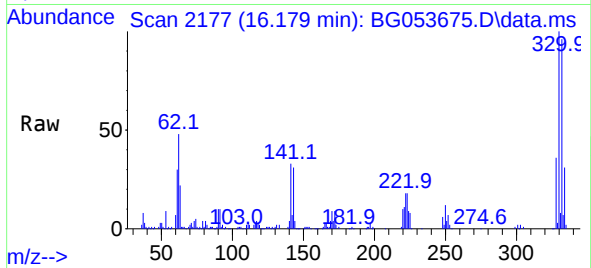
Tgt Ion:164 Resp: 94635
Ion Ratio Lower Upper
164 100
162 107.0 82.3 123.5
160 41.3 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 101.408 ng
RT: 16.179 min Scan# 2183
Delta R.T. -0.003 min
Lab File: BG053675.D
Acq: 23 May 2022 22:07

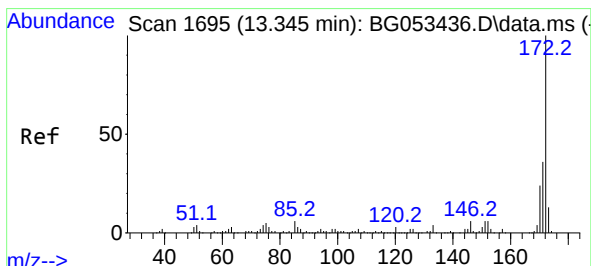
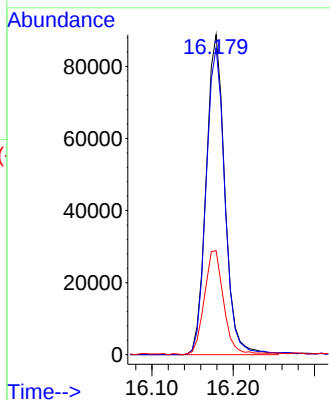
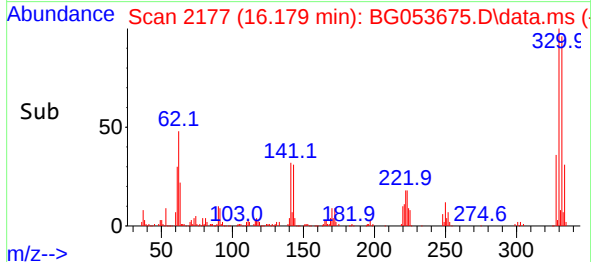
Instrument :
BNA_G
ClientSampleId :
P-5



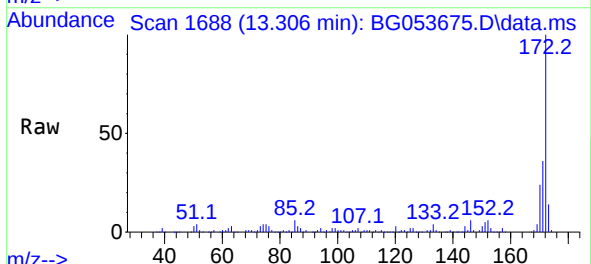
Tgt Ion:330 Resp: 14154
Ion Ratio Lower Upper
330 100
332 96.4 76.0 114.0
141 34.2 27.1 40.7

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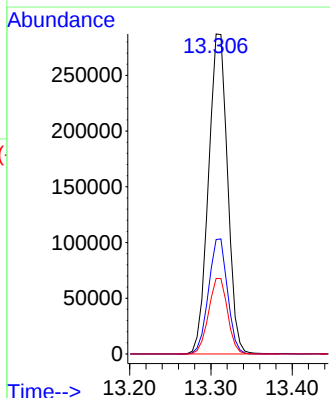
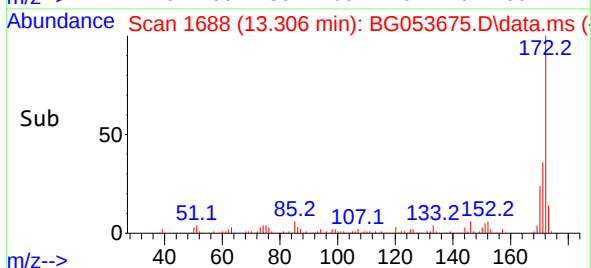
Reviewed By :Christian Giraldo 05/24/2022
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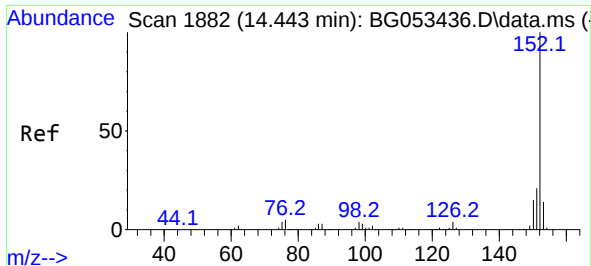


#45
2-Fluorobiphenyl
Concen: 72.209 ng
RT: 13.306 min Scan# 1688
Delta R.T. -0.009 min
Lab File: BG053675.D
Acq: 23 May 2022 22:07



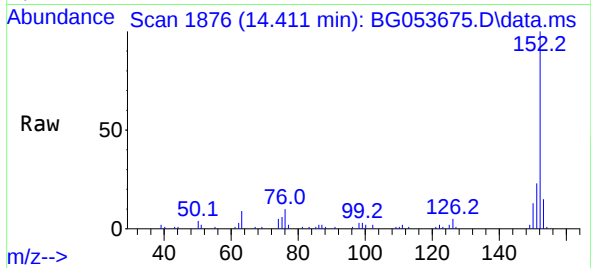
Tgt Ion:172 Resp: 467640
Ion Ratio Lower Upper
172 100
171 35.7 28.5 42.7
170 23.6 18.9 28.3





#49
Acenaphthylene
Concen: 5.726 ng
RT: 14.411 min Scan# 1876
Delta R.T. -0.003 min
Lab File: BG053675.D
Acq: 23 May 2022 22:07

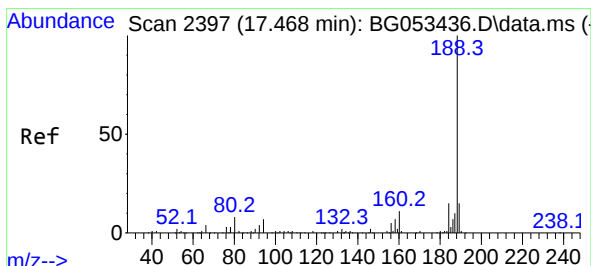
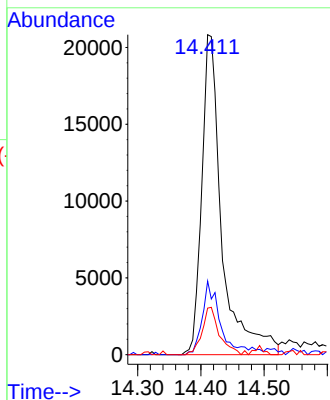
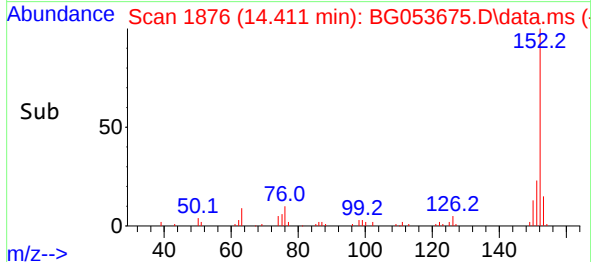
Instrument :
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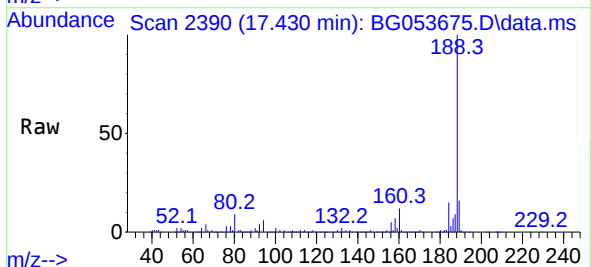
Tgt Ion:152 Resp: 46178
Ion Ratio Lower Upper
152 100
151 23.0 16.4 24.6
153 14.6 10.8 16.2

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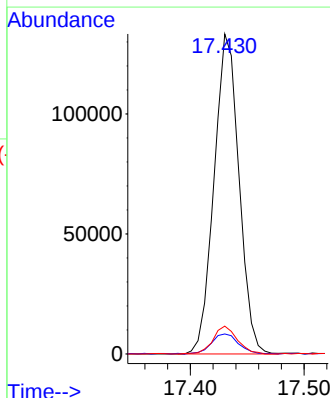
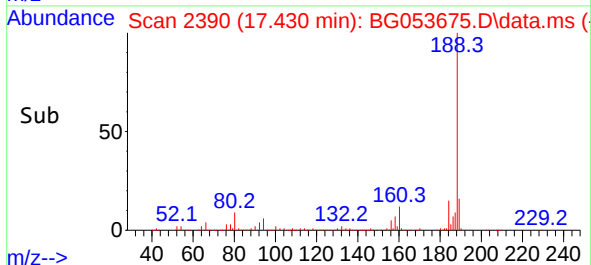
Reviewed By :Christian Giraldo 05/24/2022
Supervised By :Jagrut Upadhyay 05/24/2022

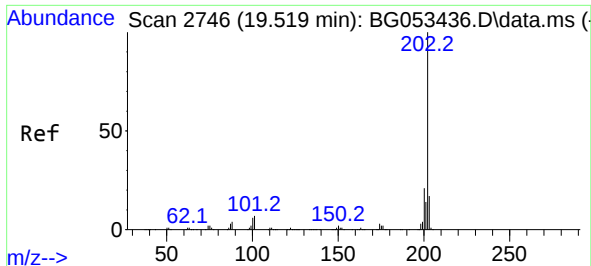


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.430 min Scan# 2390
Delta R.T. -0.009 min
Lab File: BG053675.D
Acq: 23 May 2022 22:07



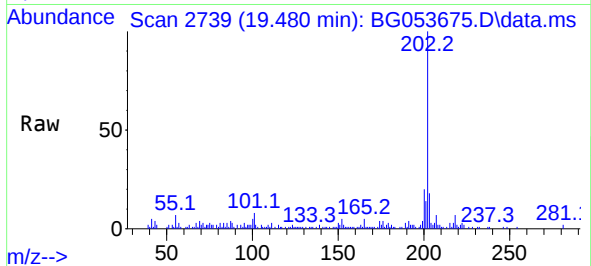
Tgt Ion:188 Resp: 203210
Ion Ratio Lower Upper
188 100
94 6.3 5.4 8.0
80 8.7 6.8 10.2





#75
Fluoranthene
Concen: 3.202 ng
RT: 19.480 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG053675.D
Acq: 23 May 2022 22:07

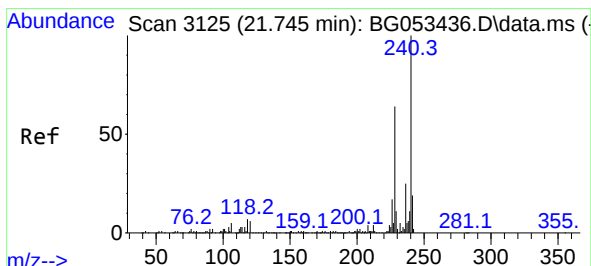
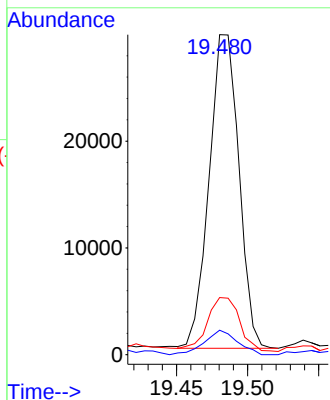
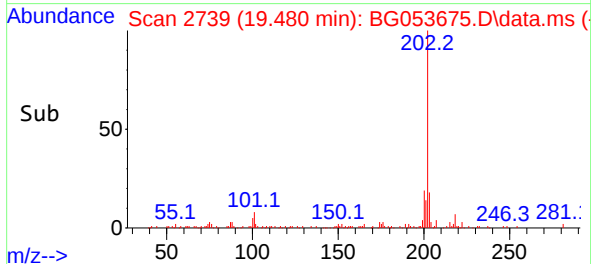
Instrument :
BNA_G
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P-5



Tgt Ion:202 Resp: 4283
Ion Ratio Lower Upper
202 100
101 7.7 0.0 26.9
203 17.8 0.0 37.2

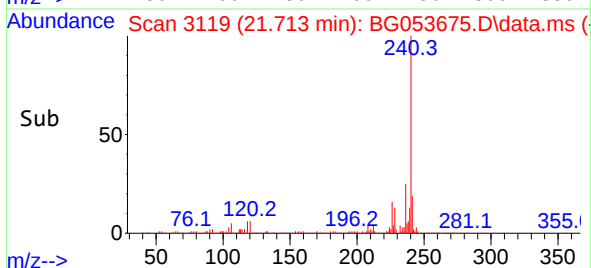
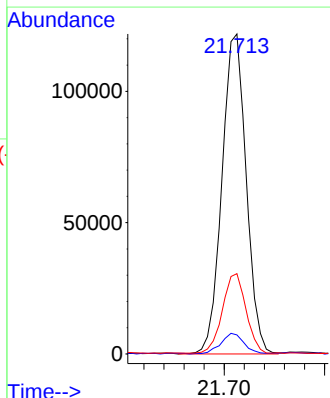
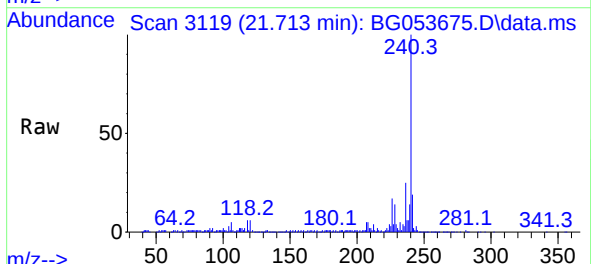
Manual Integrations
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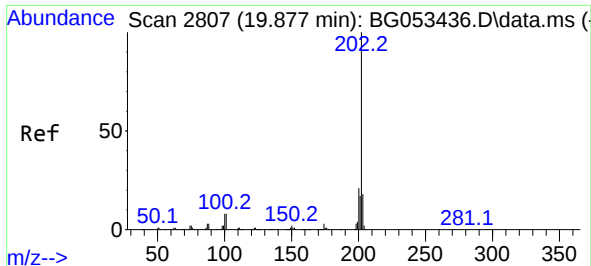
Reviewed By :Christian Giraldo 05/24/2022
Supervised By :Jagrut Upadhyay 05/24/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.713 min Scan# 3119
Delta R.T. -0.003 min
Lab File: BG053675.D
Acq: 23 May 2022 22:07

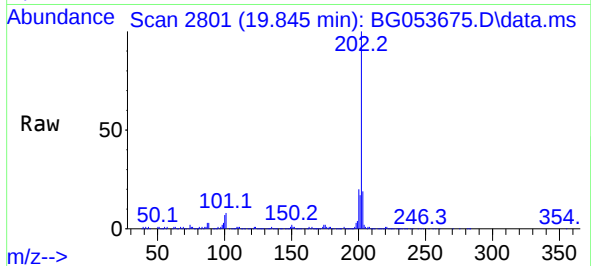
Tgt Ion:240 Resp: 204541
Ion Ratio Lower Upper
240 100
120 5.9 4.6 7.0
236 25.1 20.2 30.4





#78
Pyrene
Concen: 20.185 ng
RT: 19.845 min Scan# 2801
Delta R.T. -0.009 min
Lab File: BG053675.D
Acq: 23 May 2022 22:07

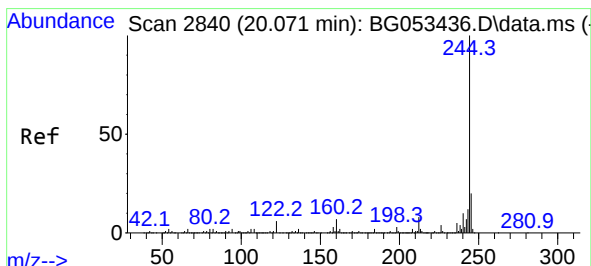
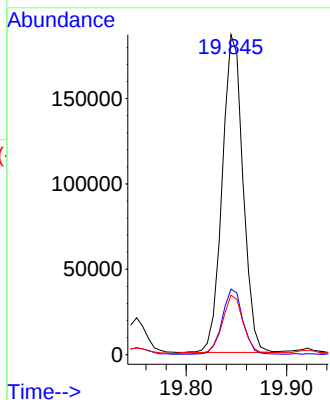
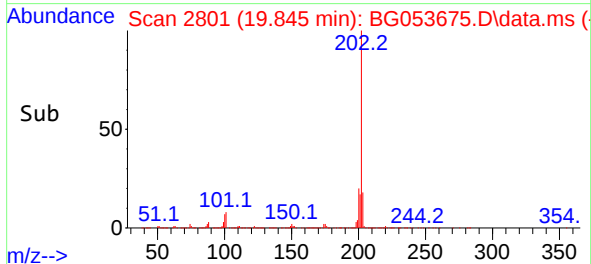
Instrument :
BNA_G
ClientSampleId :
P-5



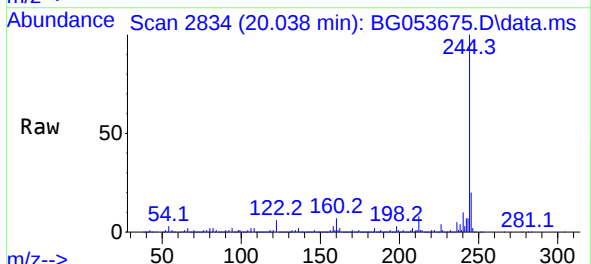
Tgt Ion:202 Resp: 267262
Ion Ratio Lower Upper
202 100
200 20.5 16.6 24.8
203 18.6 14.6 21.8

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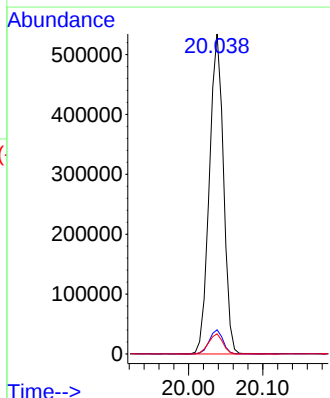
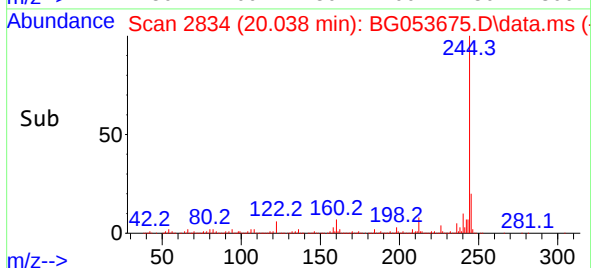
Reviewed By :Christian Giraldo 05/24/2022
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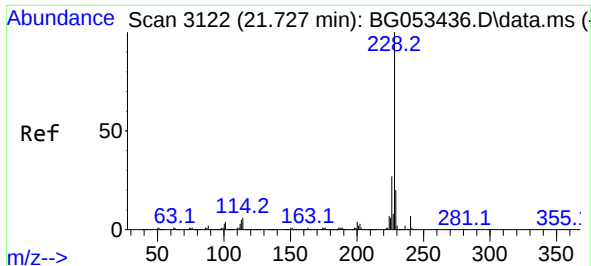


#79
Terphenyl-d14
Concen: 64.144 ng
RT: 20.038 min Scan# 2834
Delta R.T. -0.003 min
Lab File: BG053675.D
Acq: 23 May 2022 22:07



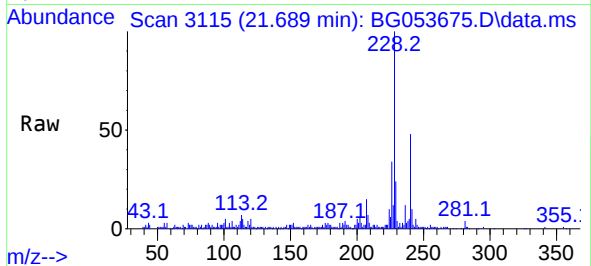
Tgt Ion:244 Resp: 704446
Ion Ratio Lower Upper
244 100
212 7.6 6.5 9.7
122 6.3 5.0 7.4





#81
Benzo(a)anthracene
Concen: 5.671 ng
RT: 21.689 min Scan# 3115
Delta R.T. -0.009 min
Lab File: BG053675.D
Acq: 23 May 2022 22:07

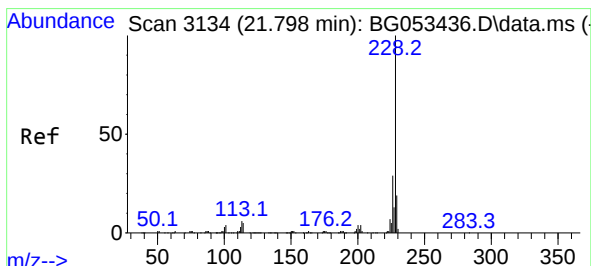
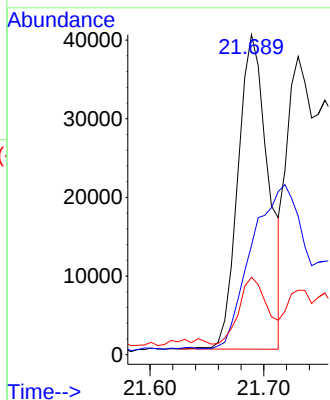
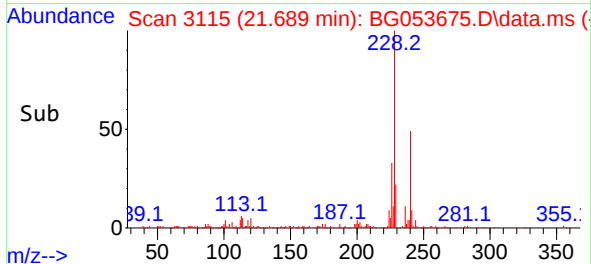
Instrument :
BNA_G
ClientSampleId :
P-5



Tgt Ion:228 Resp: 73985
Ion Ratio Lower Upper
228 100
226 34.1 21.6 32.4
229 24.2 16.2 24.2

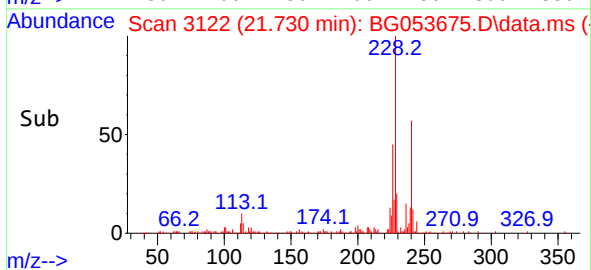
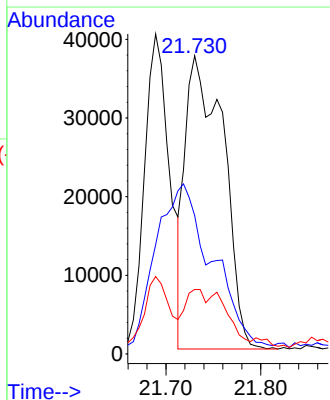
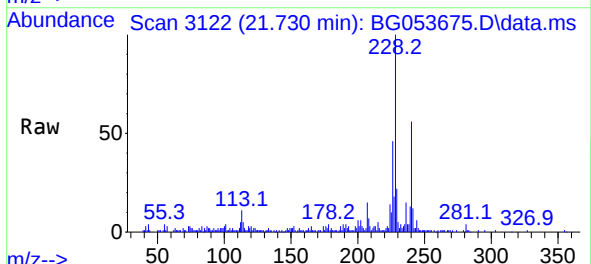
Manual Integrations
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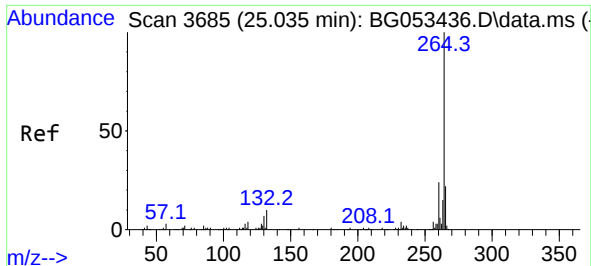
Reviewed By :Christian Giraldo 05/24/2022
Supervised By :Jagrut Upadhyay 05/24/2022



#83
Chrysene
Concen: 8.513 ng
RT: 21.730 min Scan# 3122
Delta R.T. -0.032 min
Lab File: BG053675.D
Acq: 23 May 2022 22:07

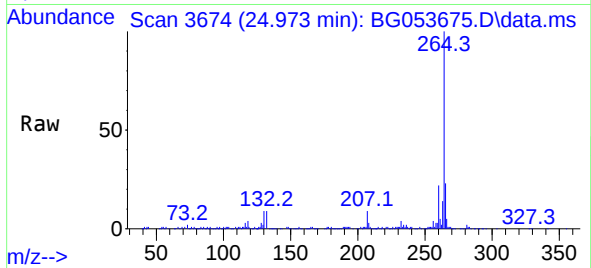
Tgt Ion:228 Resp: 103722
Ion Ratio Lower Upper
228 100
226 46.4 23.4 35.2
229 21.6 15.5 23.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.973 min Scan# 30
Delta R.T. -0.009 min
Lab File: BG053675.D
Acq: 23 May 2022 22:07

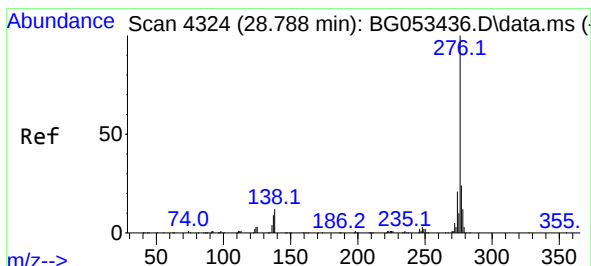
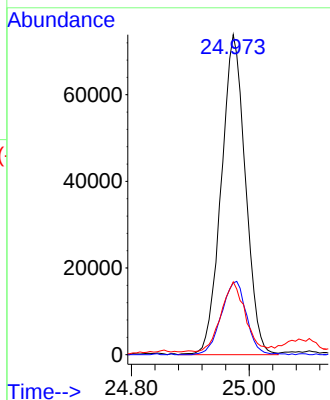
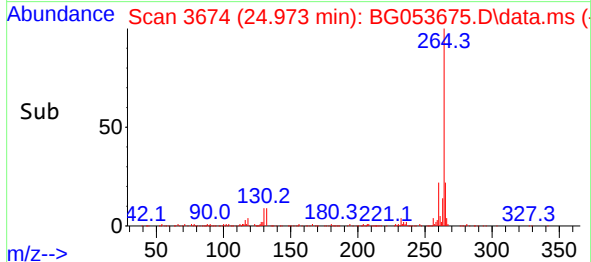
Instrument :
BNA_G
ClientSampleId :
P-5



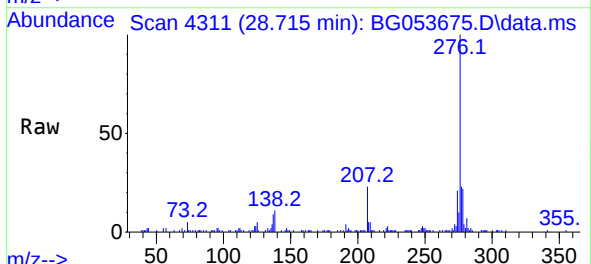
Tgt Ion:264 Resp: 210390
Ion Ratio Lower Upper
264 100
260 22.5 19.0 28.6
265 22.7 17.4 26.2

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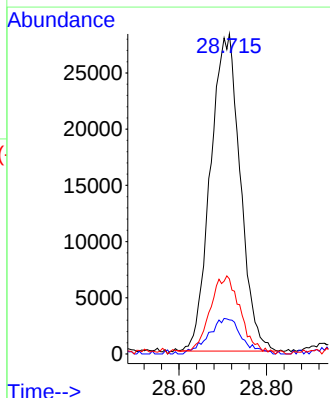
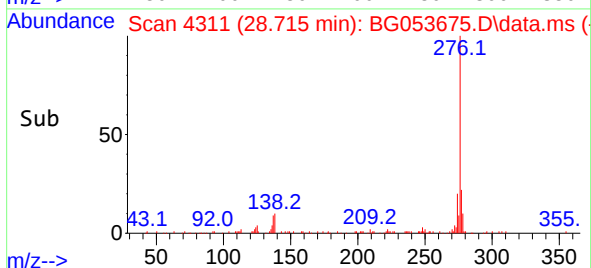
Reviewed By :Christian Giraldo 05/24/2022
Supervised By :Jagrut Upadhyay 05/24/2022

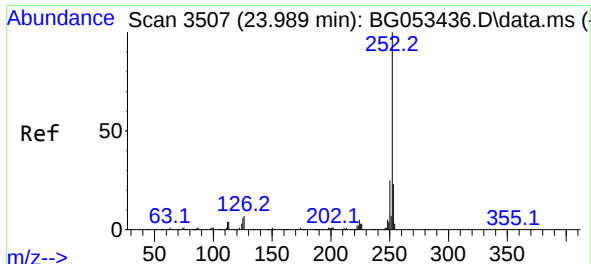


#87
Indeno(1,2,3-cd)pyrene
Concen: 9.073 ng
RT: 28.715 min Scan# 4311
Delta R.T. -0.015 min
Lab File: BG053675.D
Acq: 23 May 2022 22:07



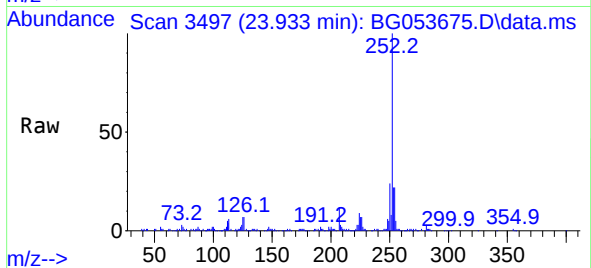
Tgt Ion:276 Resp: 132943
Ion Ratio Lower Upper
276 100
138 12.5 5.0 7.4#
277 25.4 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 15.265 ng
RT: 23.933 min Scan# 34
Delta R.T. -0.009 min
Lab File: BG053675.D
Acq: 23 May 2022 22:07

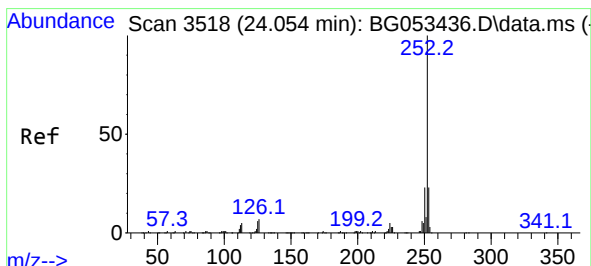
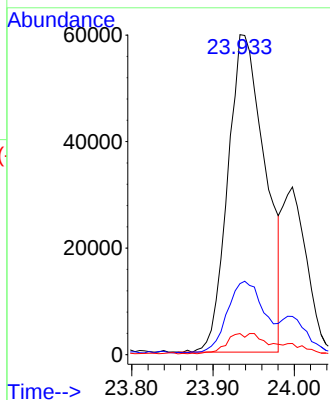
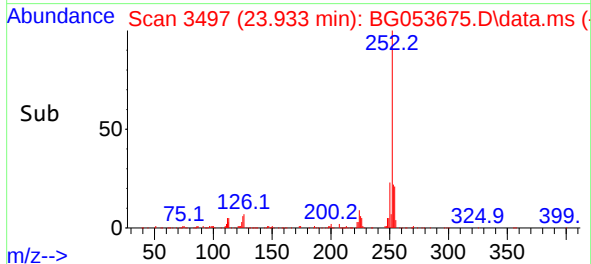
Instrument :
BNA_G
ClientSampleId :
P-5



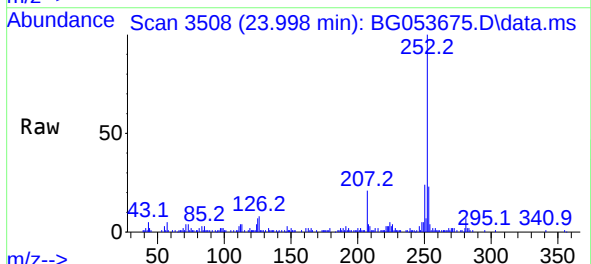
Tgt Ion:252 Resp: 19010
Ion Ratio Lower Upper
252 100
253 22.2 18.0 27.0
125 6.6 4.6 6.8

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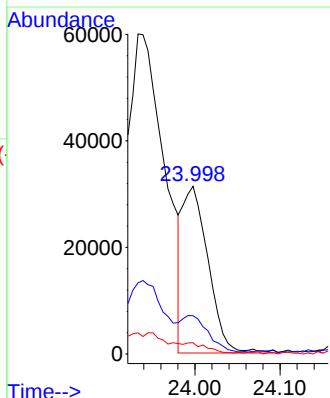
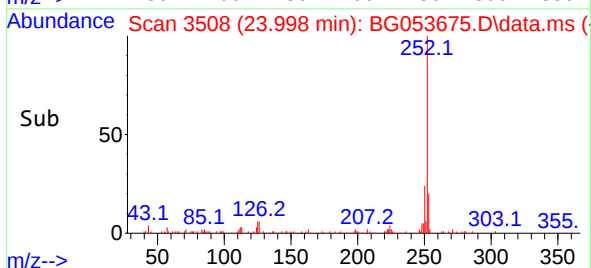
Reviewed By :Christian Giraldo 05/24/2022
Supervised By :Jagrut Upadhyay 05/24/2022

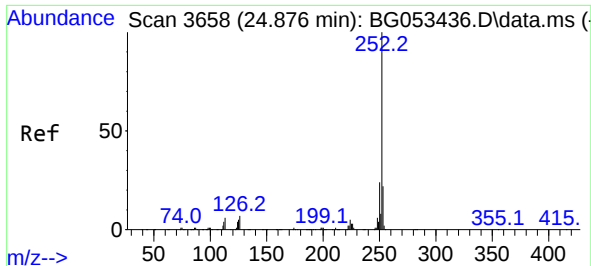


#89
Benzo(k)fluoranthene
Concen: 5.379 ng m
RT: 23.998 min Scan# 3508
Delta R.T. -0.015 min
Lab File: BG053675.D
Acq: 23 May 2022 22:07



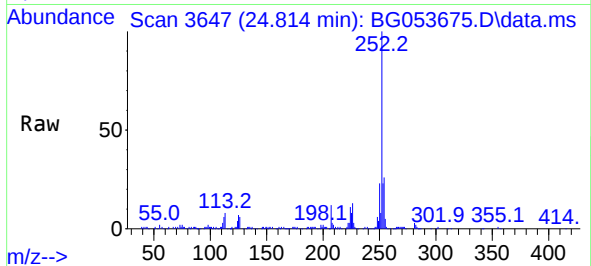
Tgt Ion:252 Resp: 65826
Ion Ratio Lower Upper
252 100
253 22.8 18.4 27.6
125 6.7 4.8 7.2





#90
Benzo(a)pyrene
Concen: 14.678 ng
RT: 24.814 min Scan# 30
Delta R.T. -0.015 min
Lab File: BG053675.D
Acq: 23 May 2022 22:07

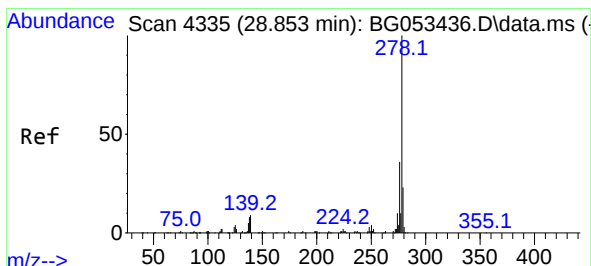
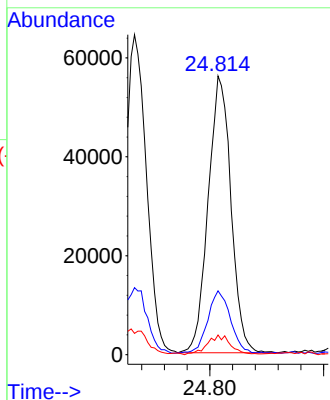
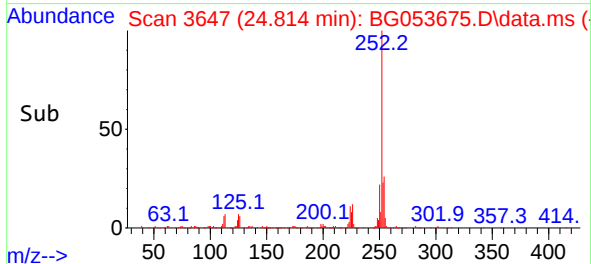
Instrument :
BNA_G
ClientSampleId :
P-5



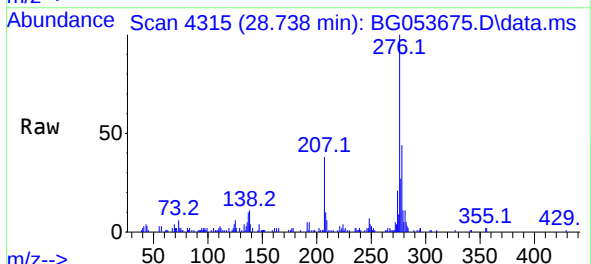
Tgt Ion:252 Resp: 155570
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 7.1 4.3 6.5

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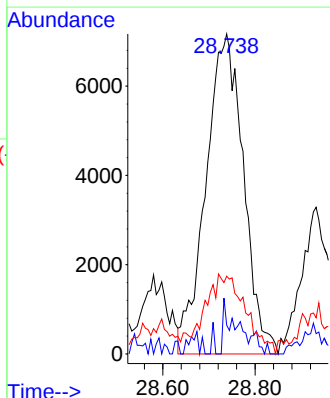
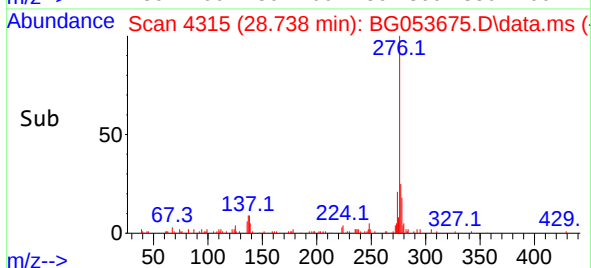
Reviewed By :Christian Giraldo 05/24/2022
Supervised By :Jagrut Upadhyay 05/24/2022

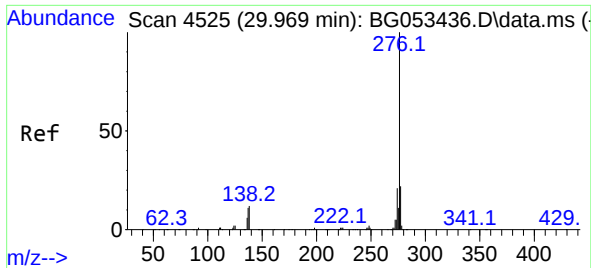


#91
Dibenzo(a,h)anthracene
Concen: 3.353 ng
RT: 28.738 min Scan# 4315
Delta R.T. -0.044 min
Lab File: BG053675.D
Acq: 23 May 2022 22:07



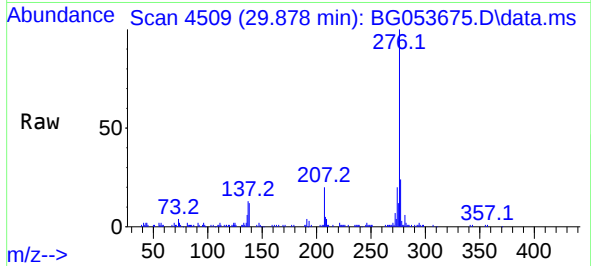
Tgt Ion:278 Resp: 40489
Ion Ratio Lower Upper
278 100
139 9.0 7.2 10.8
279 24.3 18.6 27.8





#92
 Benzo(g,h,i)perylene
 Concen: 13.351 ng
 RT: 29.878 min Scan# 4509
 Delta R.T. -0.027 min
 Lab File: BG053675.D
 Acq: 23 May 2022 22:07

Instrument :
 BNA_G
 ClientSampleId :
 P-5



Tgt Ion: 276 Resp: 159794

Ion	Ratio	Lower	Upper
276	100		
277	23.6	17.3	25.9
138	11.5	9.6	14.4

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

