

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052422\
 Data File : BG053682.D
 Acq On : 24 May 2022 12:47
 Operator : CG/JU
 Sample : N2982-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-5

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/25/2022
 Supervised By : Jagrut Upadhyay 05/25/2022

Quant Time: May 24 15:00:52 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	8.058	152	25632	20.000	ng	0.00
21) Naphthalene-d8	10.866	136	111432	20.000	ng	0.00
39) Acenaphthene-d10	14.685	164	85876	20.000	ng	0.00
64) Phenanthrene-d10	17.434	188	194507	20.000	ng	0.00
76) Chrysene-d12	21.710	240	193283	20.000	ng	0.00
86) Perylene-d12	24.977	264	199235	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.632	112	168140	111.328	ng	0.00
7) Phenol-d6	7.230	99	264121	115.230	ng	0.00
23) Nitrobenzene-d5	9.221	82	181353	69.279	ng	0.00
42) 2,4,6-Tribromophenol	16.177	330	125369	98.983	ng	0.00
45) 2-Fluorobiphenyl	13.310	172	423264	72.023	ng	0.00
79) Terphenyl-d14	20.036	244	669254	64.489	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.414	152	43673	5.968	ng	98
75) Fluoranthene	19.484	202	40742	3.181	ng	97
78) Pyrene	19.848	202	254582	20.347	ng	97
81) Benzo(a)anthracene	21.687	228	67844	5.503	ng	92
83) Chrysene	21.734	228	99057m	8.603	ng	
87) Indeno(1,2,3-cd)pyrene	28.713	276	131177	9.453	ng	# 95
88) Benzo(b)fluoranthene	23.937	252	185578	15.736	ng	99
89) Benzo(k)fluoranthene	24.001	252	55496m	4.789	ng	
90) Benzo(a)pyrene	24.818	252	145525	14.498	ng	# 97
91) Dibenzo(a,h)anthracene	28.730	278	35889m	3.139	ng	
92) Benzo(g,h,i)perylene	29.888	276	152220	13.431	ng	94

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

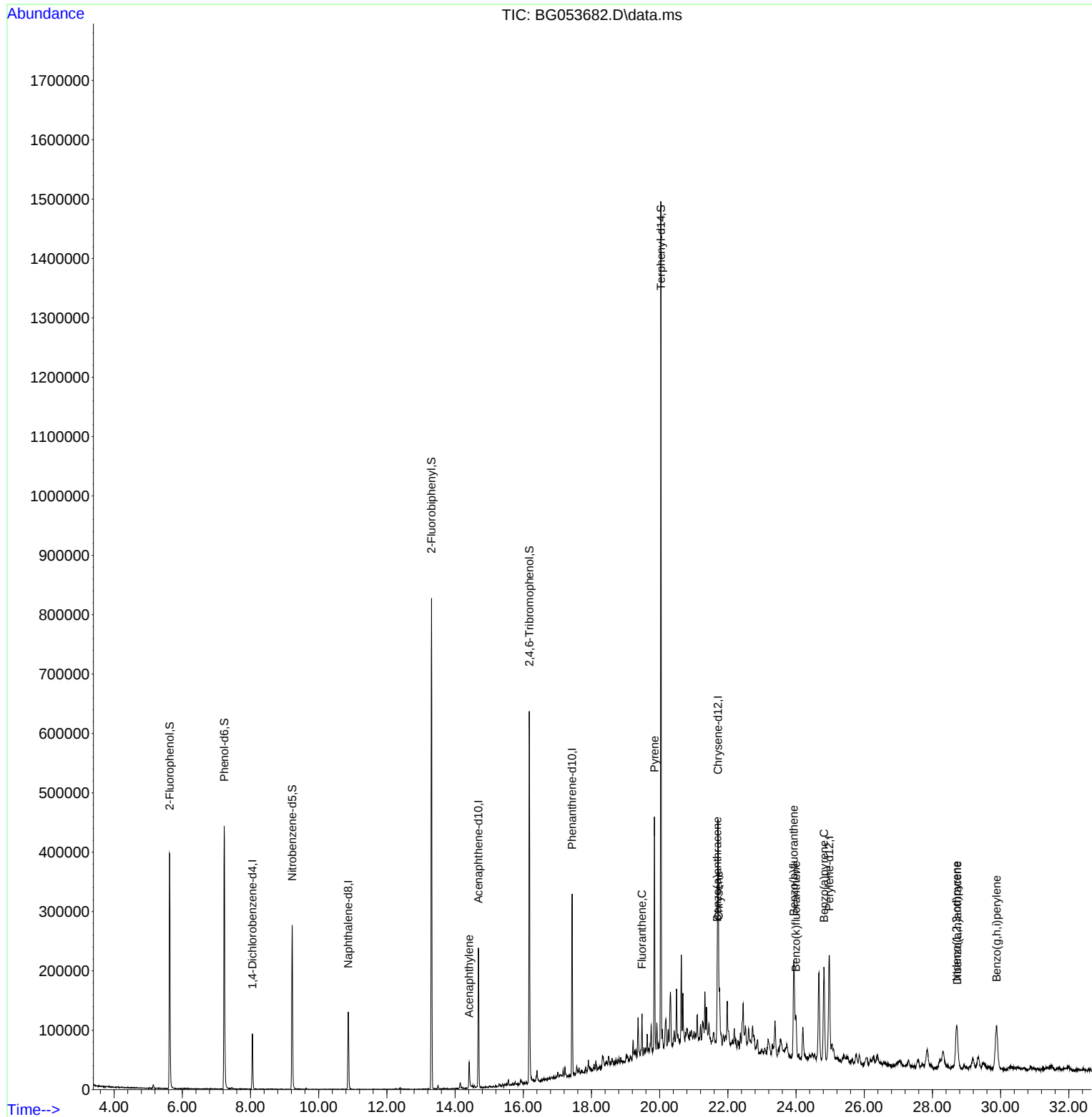
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052422\
Data File : BG053682.D
Acq On : 24 May 2022 12:47
Operator : CG/JU
Sample : N2982-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

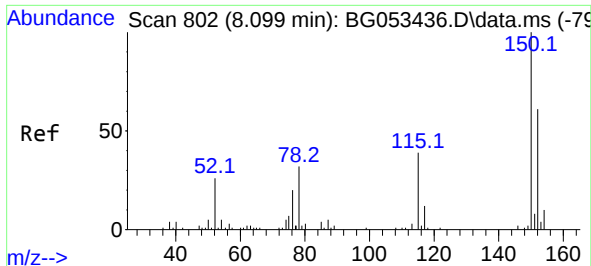
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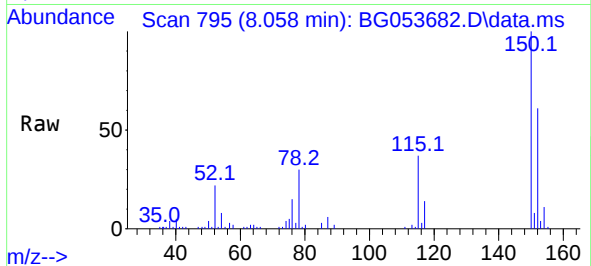
Quant Time: May 24 15:00:52 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 24 05:05:32 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.058 min Scan# 795
Delta R.T. 0.000 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47

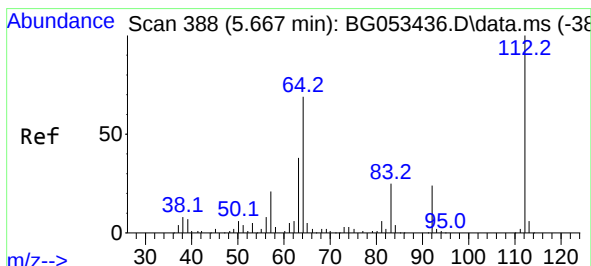
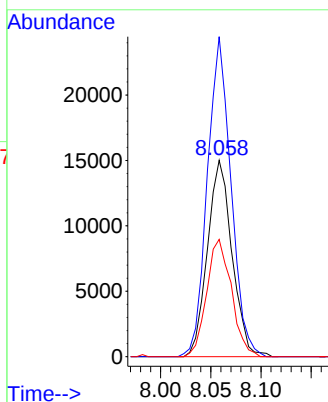
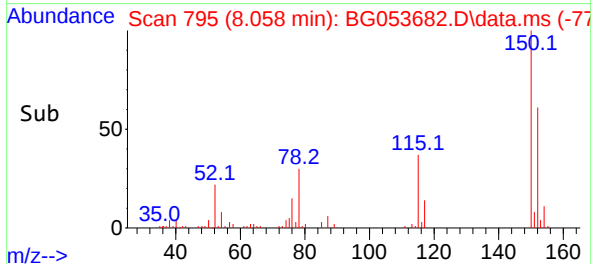
Instrument :
BNA_G
ClientSampleId :
P-5



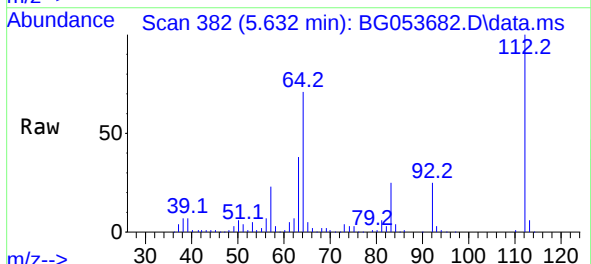
Tgt Ion:152 Resp: 25632
Ion Ratio Lower Upper
152 100
150 162.9 131.6 197.4
115 59.7 50.9 76.3

Manual Integrations
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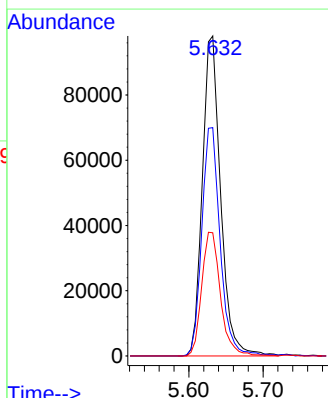
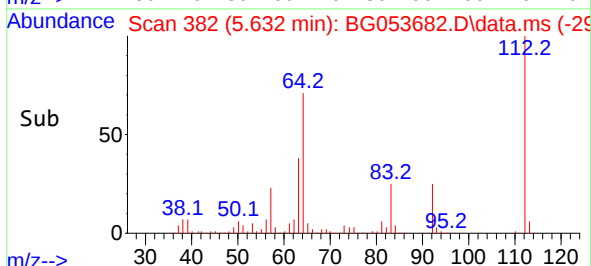
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#5
2-Fluorophenol
Concen: 111.328 ng
RT: 5.632 min Scan# 382
Delta R.T. 0.007 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47



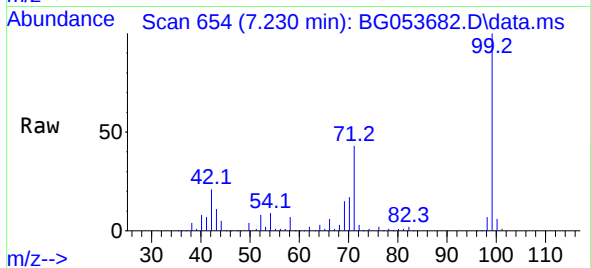
Tgt Ion:112 Resp: 168140
Ion Ratio Lower Upper
112 100
64 71.3 55.1 82.7
63 38.5 30.4 45.6





#7
Phenol-d6
Concen: 115.230 ng
RT: 7.230 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47

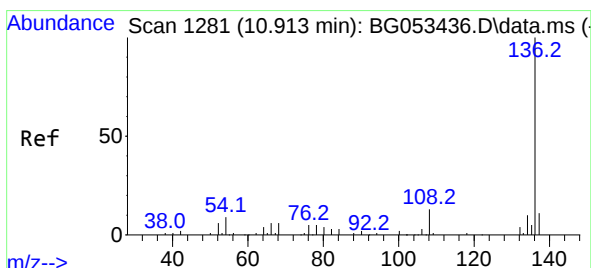
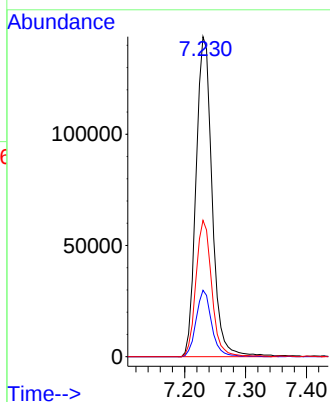
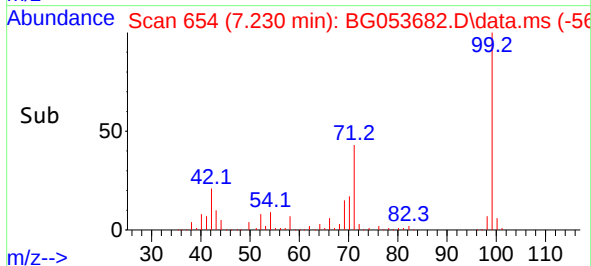
Instrument :
BNA_G
ClientSampleId :
P-5



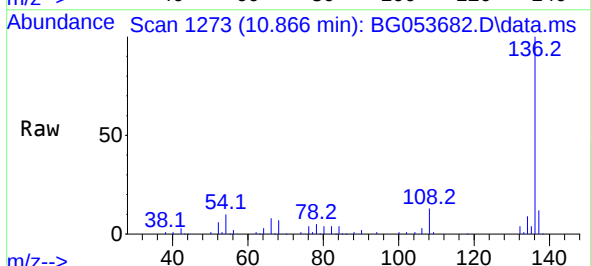
Tgt Ion: 99 Resp: 26412
Ion Ratio Lower Upper
99 100
42 20.8 17.0 25.6
71 42.6 33.8 50.8

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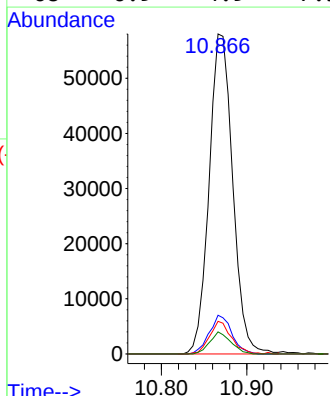
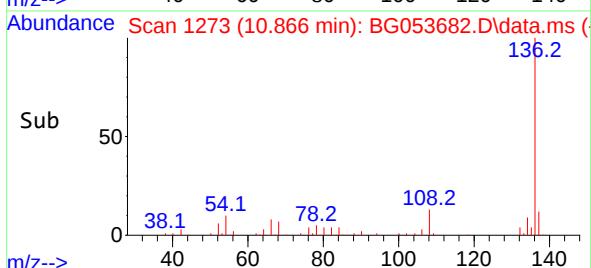
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.866 min Scan# 1273
Delta R.T. -0.005 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47



Tgt Ion:136 Resp: 111432
Ion Ratio Lower Upper
136 100
137 12.1 8.5 12.7
54 10.2 7.4 11.2
68 6.9 4.9 7.3





#23

Nitrobenzene-d5

Concen: 69.279 ng

RT: 9.221 min Scan# 91

Delta R.T. -0.005 min

Lab File: BG053682.D

Acq: 24 May 2022 12:47

Instrument :

BNA_G

ClientSampleId :

P-5

Tgt Ion: 82 Resp: 18135

Ion Ratio Lower Upper

82 100

128 38.1 27.9 41.9

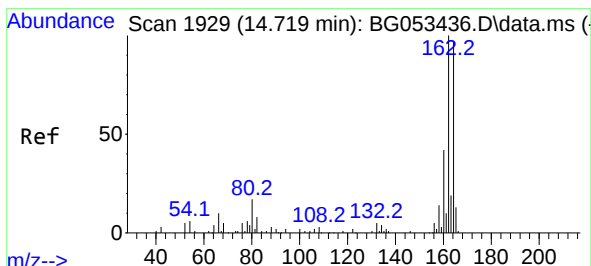
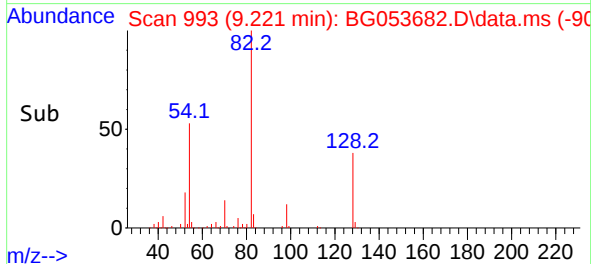
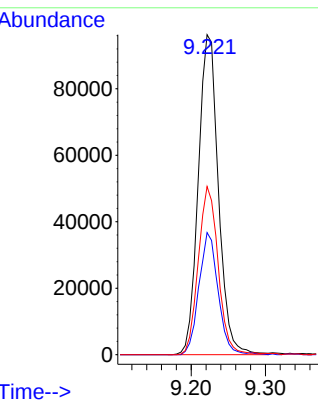
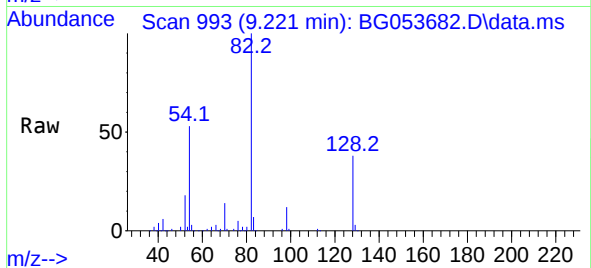
54 52.6 41.2 61.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.685 min Scan# 1923

Delta R.T. -0.005 min

Lab File: BG053682.D

Acq: 24 May 2022 12:47

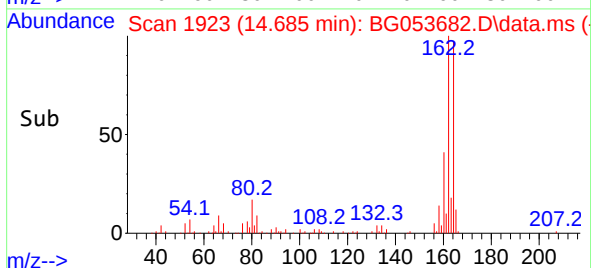
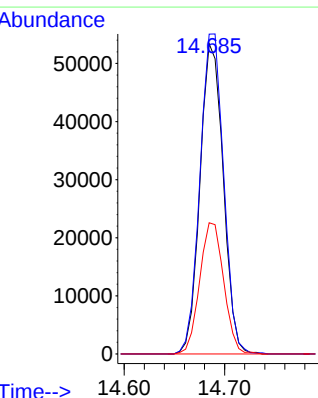
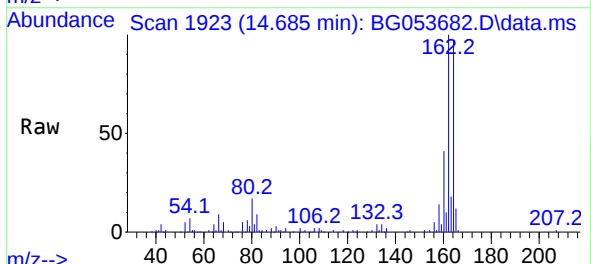
Tgt Ion:164 Resp: 85876

Ion Ratio Lower Upper

164 100

162 103.1 82.3 123.5

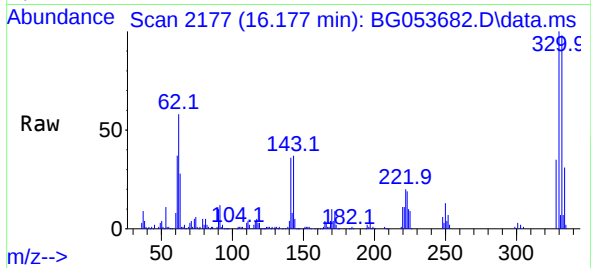
160 42.3 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 98.983 ng
RT: 16.177 min Scan# 2183
Delta R.T. -0.005 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47

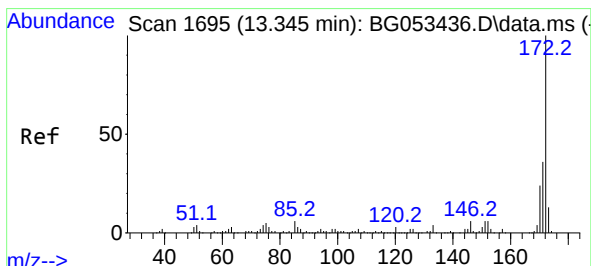
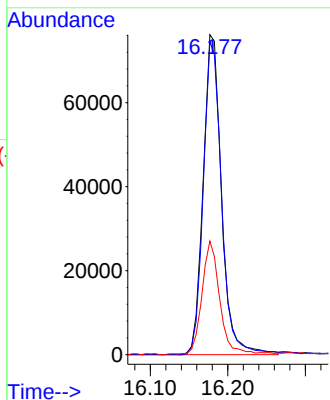
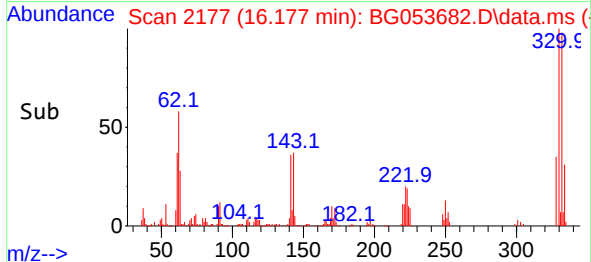
Instrument :
BNA_G
ClientSampleId :
P-5



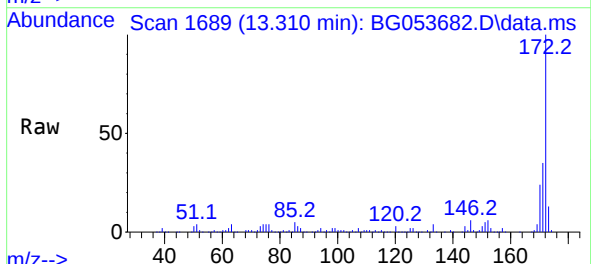
Tgt Ion:330 Resp: 125369
Ion Ratio Lower Upper
330 100
332 97.9 76.0 114.0
141 35.0 27.1 40.7

Manual Integrations
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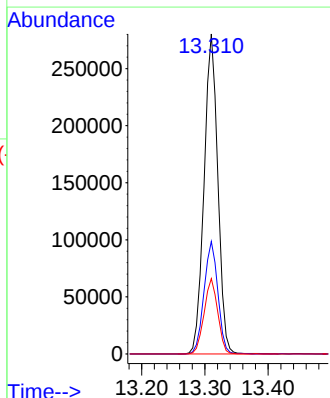
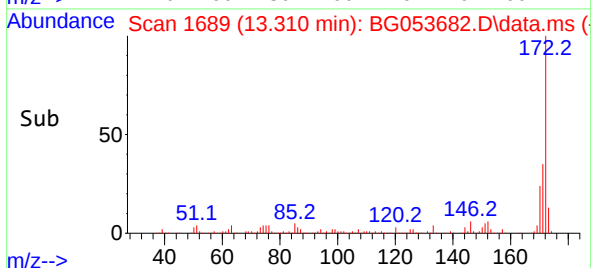
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

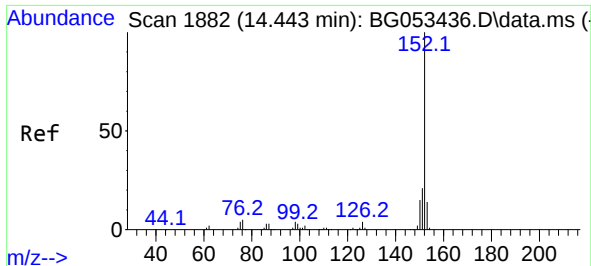


#45
2-Fluorobiphenyl
Concen: 72.023 ng
RT: 13.310 min Scan# 1689
Delta R.T. -0.005 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47



Tgt Ion:172 Resp: 423264
Ion Ratio Lower Upper
172 100
171 35.2 28.5 42.7
170 23.6 18.9 28.3





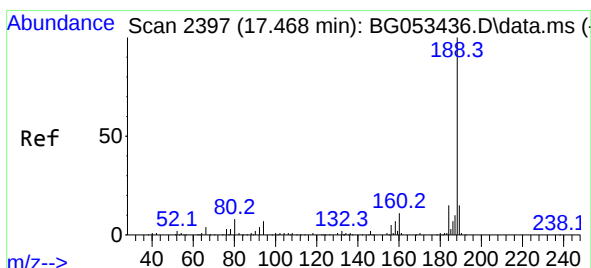
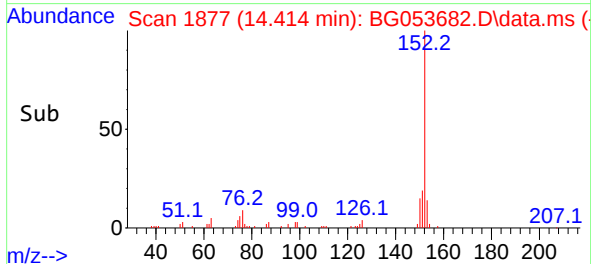
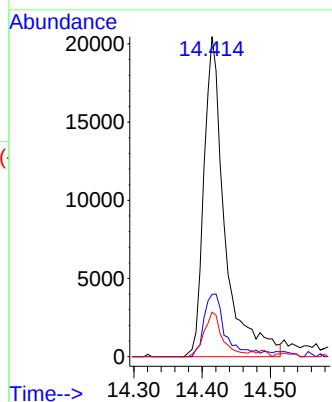
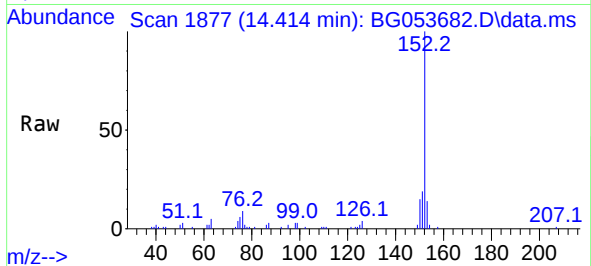
#49
Acenaphthylene
Concen: 5.968 ng
RT: 14.414 min Scan# 1882
Delta R.T. 0.001 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47

Instrument :
BNA_G
ClientSampleId :
P-5

Tgt Ion:152 Resp: 4367
Ion Ratio Lower Upper
152 100
151 19.4 16.4 24.6
153 13.9 10.8 16.2

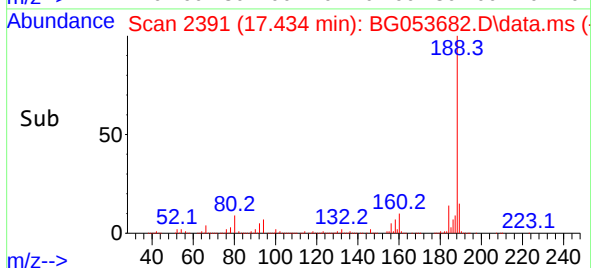
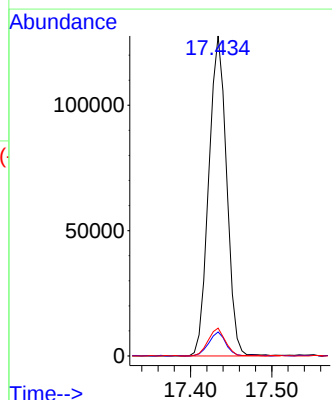
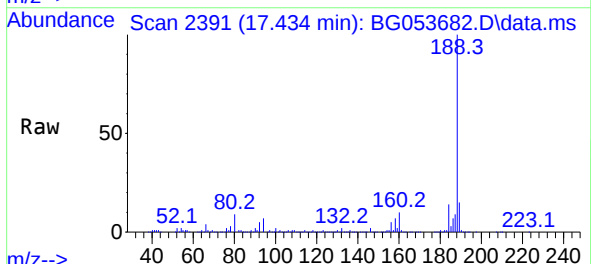
Manual Integrations
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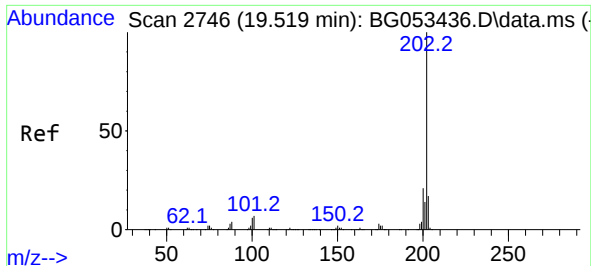
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.434 min Scan# 2391
Delta R.T. -0.005 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47

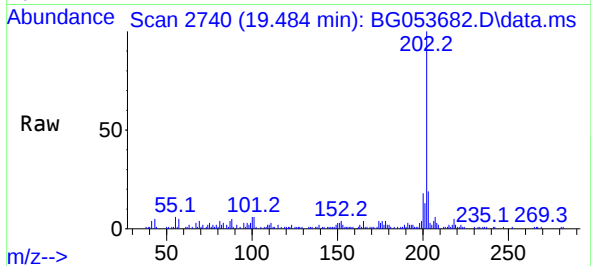
Tgt Ion:188 Resp: 194507
Ion Ratio Lower Upper
188 100
94 7.5 5.4 8.0
80 8.7 6.8 10.2





#75
Fluoranthene
Concen: 3.181 ng
RT: 19.484 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47

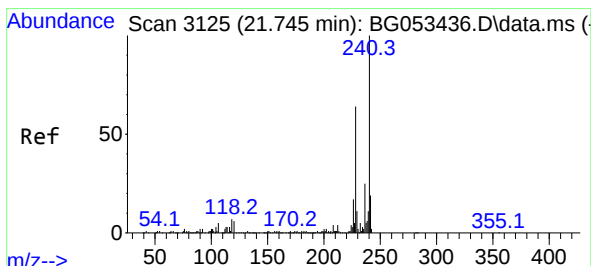
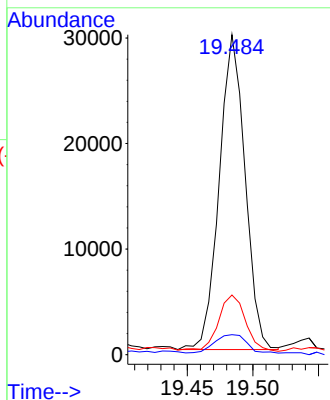
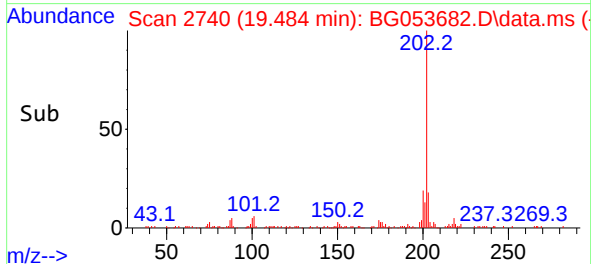
Instrument :
BNA_G
ClientSampleId :
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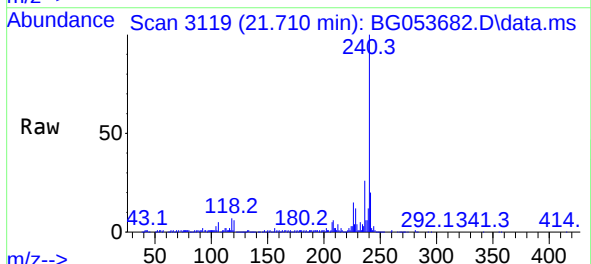
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Ion Ratio Lower Upper
202 100
101 6.3 0.0 26.9
203 18.6 0.0 37.2

Manual Integrations
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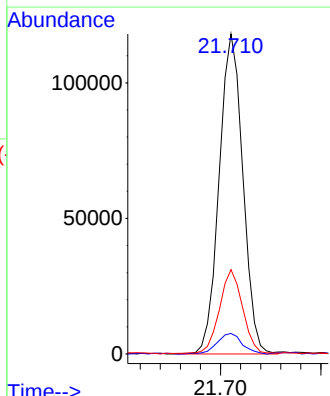
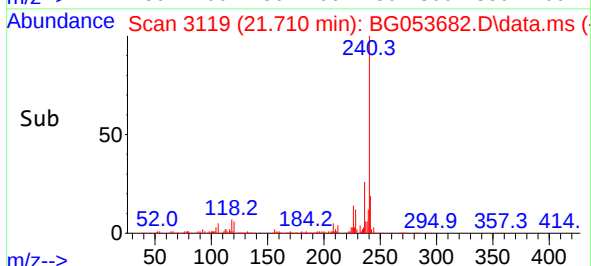
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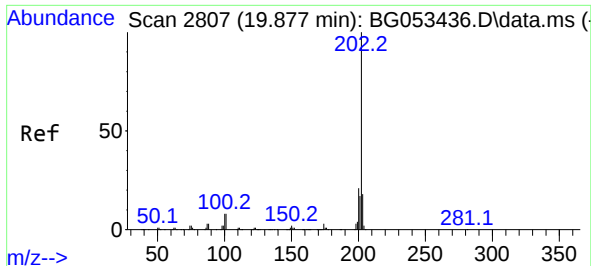


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.710 min Scan# 3119
Delta R.T. -0.005 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47



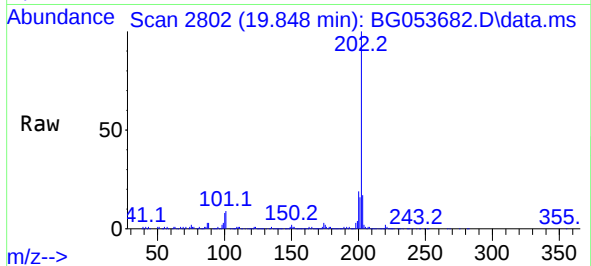
Tgt Ion:240 Resp: 193283
Ion Ratio Lower Upper
240 100
120 6.4 4.6 7.0
236 26.3 20.2 30.4





#78
Pyrene
Concen: 20.347 ng
RT: 19.848 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47

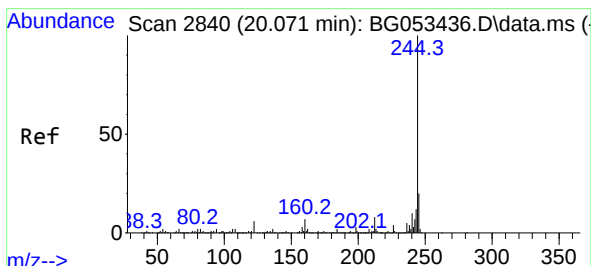
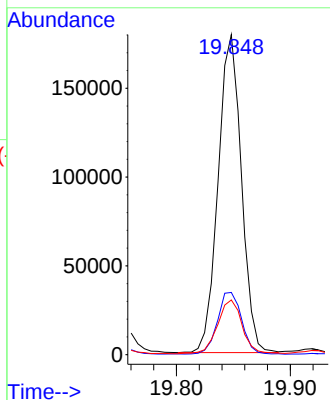
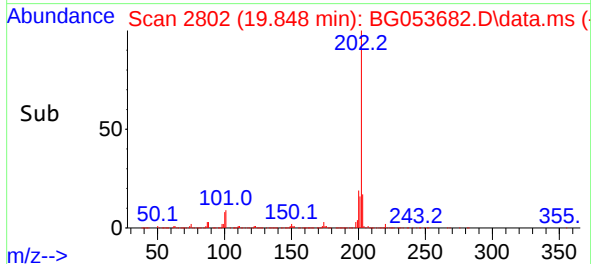
Instrument :
BNA_G
ClientSampleId :
P-5



Tgt Ion:202 Resp: 25458
Ion Ratio Lower Upper
202 100
200 19.4 16.6 24.8
203 17.1 14.6 21.8

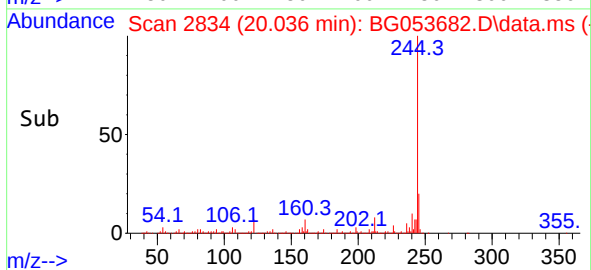
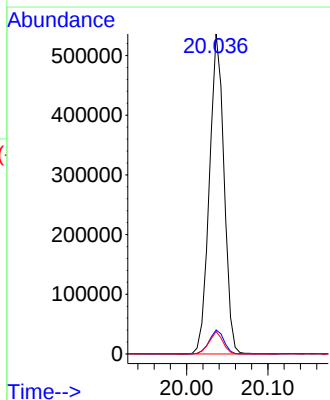
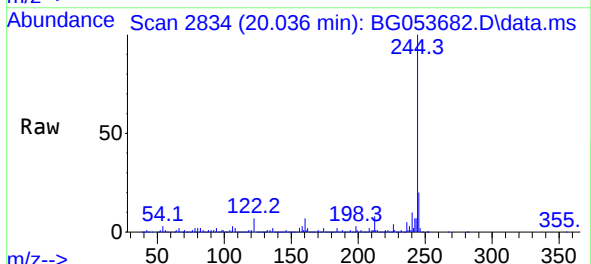
Manual Integrations
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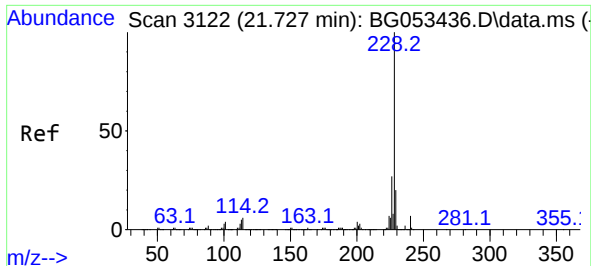
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#79
Terphenyl-d14
Concen: 64.489 ng
RT: 20.036 min Scan# 2834
Delta R.T. -0.005 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47

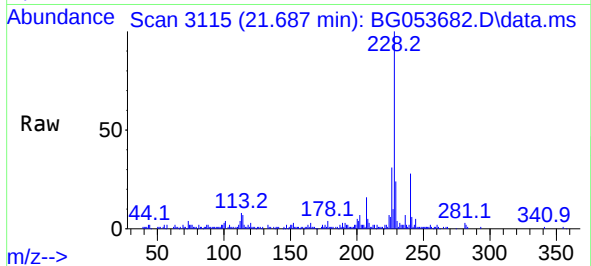
Tgt Ion:244 Resp: 669254
Ion Ratio Lower Upper
244 100
212 7.5 6.5 9.7
122 7.0 5.0 7.4





#81
Benzo(a)anthracene
Concen: 5.503 ng
RT: 21.687 min Scan# 3115
Delta R.T. -0.011 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47

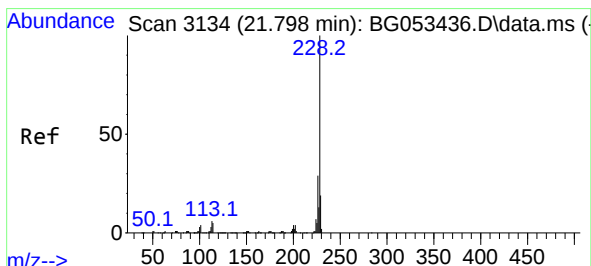
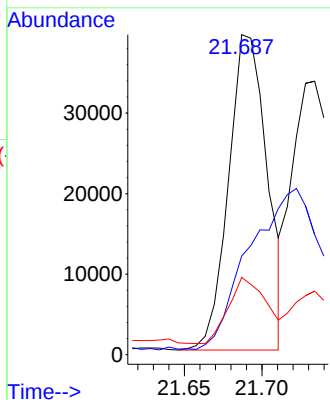
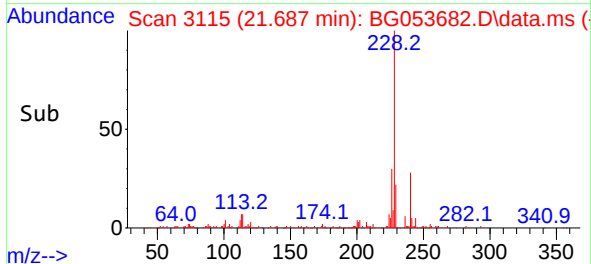
Instrument :
BNA_G
ClientSampleId :
P-5



Tgt Ion:228 Resp: 67844
Ion Ratio Lower Upper
228 100
226 30.9 21.6 32.4
229 24.1 16.2 24.2

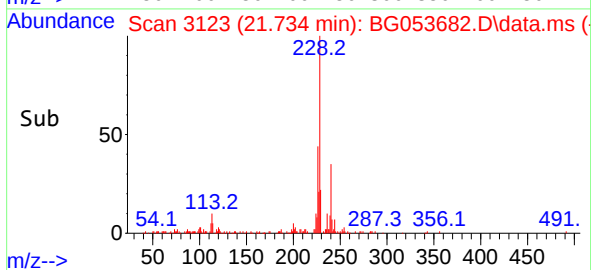
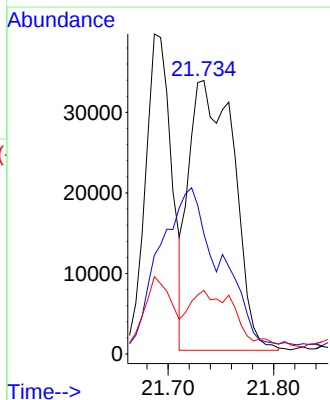
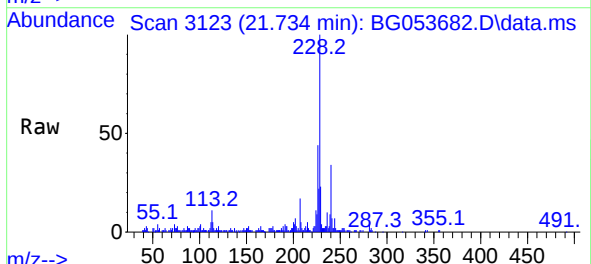
Manual Integrations
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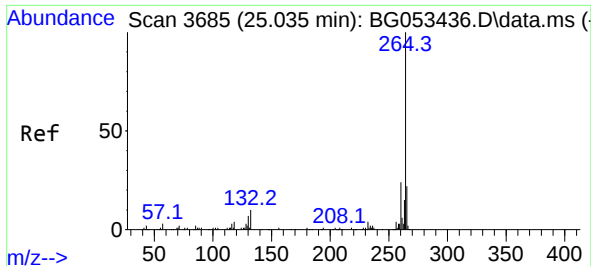
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#83
Chrysene
Concen: 8.603 ng m
RT: 21.734 min Scan# 3123
Delta R.T. -0.029 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47

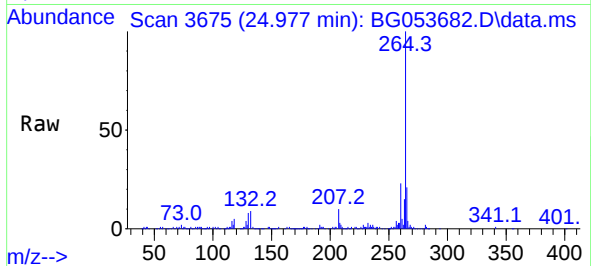
Tgt Ion:228 Resp: 99057
Ion Ratio Lower Upper
228 100
226 43.8 23.4 35.2#
229 23.3 15.5 23.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.977 min Scan# 30
Delta R.T. -0.005 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47

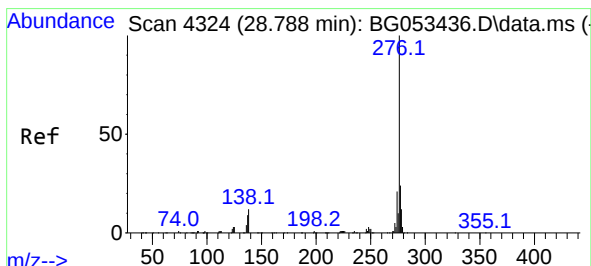
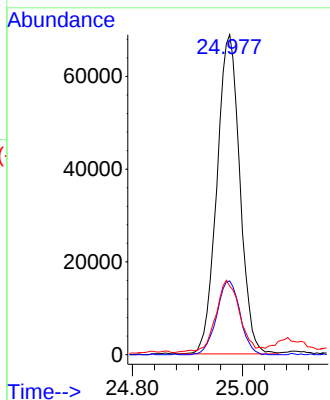
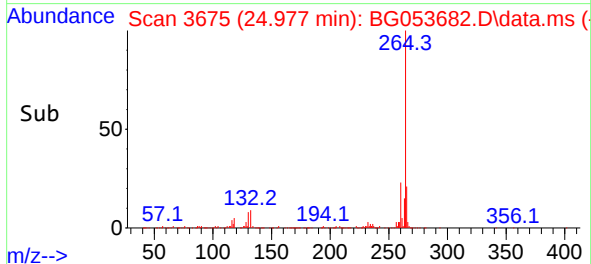
Instrument :
BNA_G
ClientSampleId :
P-5



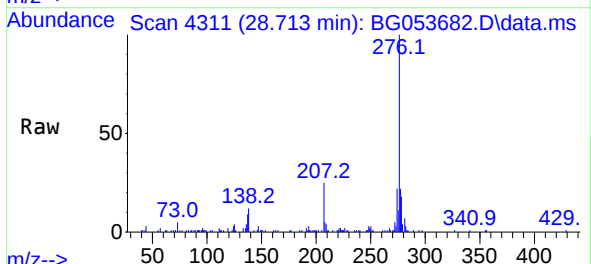
Tgt Ion:264 Resp: 199235
Ion Ratio Lower Upper
264 100
260 23.1 19.0 28.6
265 21.4 17.4 26.2

Manual Integrations
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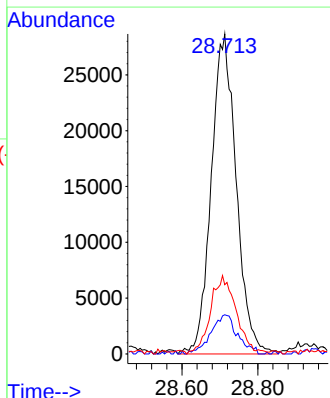
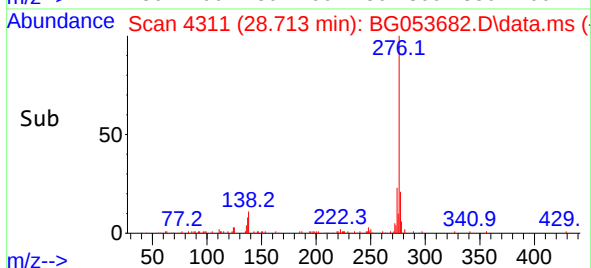
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

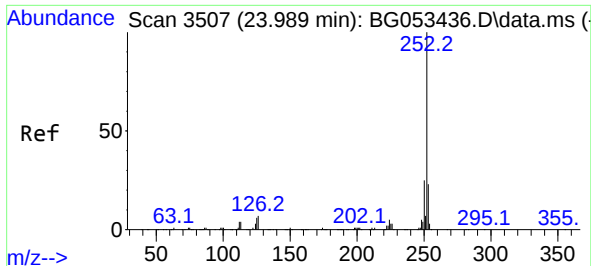


#87
Indeno(1,2,3-cd)pyrene
Concen: 9.453 ng
RT: 28.713 min Scan# 4311
Delta R.T. -0.017 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47



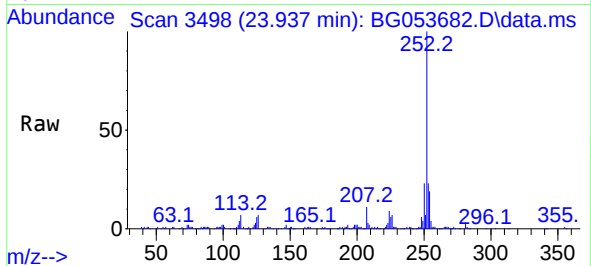
Tgt Ion:276 Resp: 131177
Ion Ratio Lower Upper
276 100
138 13.0 5.0 7.4#
277 24.8 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 15.736 ng
RT: 23.937 min Scan# 3498
Delta R.T. -0.005 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47

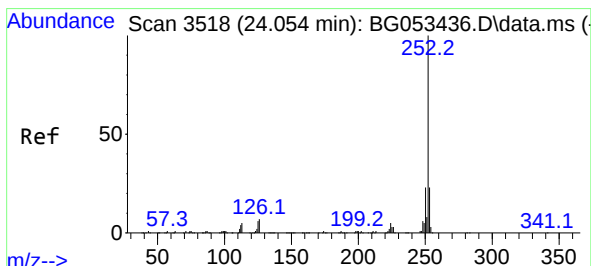
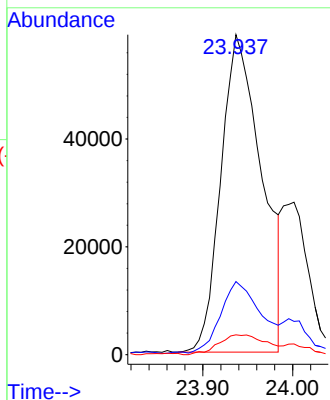
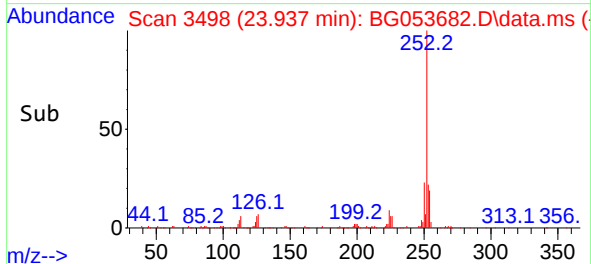
Instrument :
BNA_G
ClientSampleId :
P-5



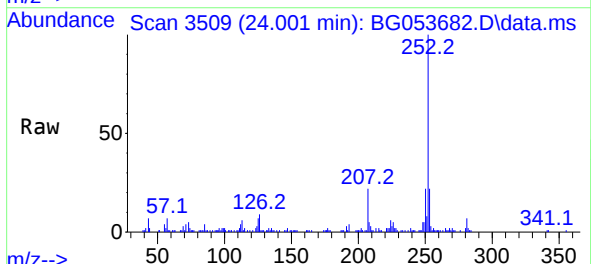
Tgt Ion:252 Resp: 185578
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 6.2 4.6 6.8

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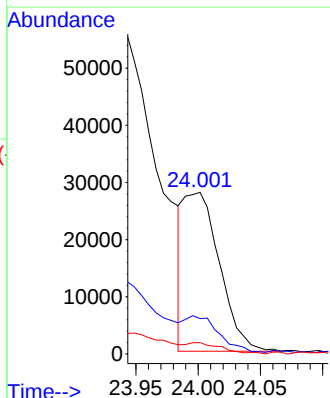
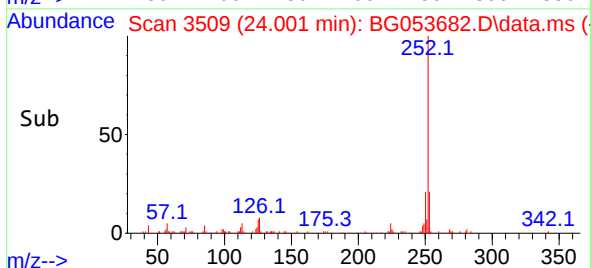
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

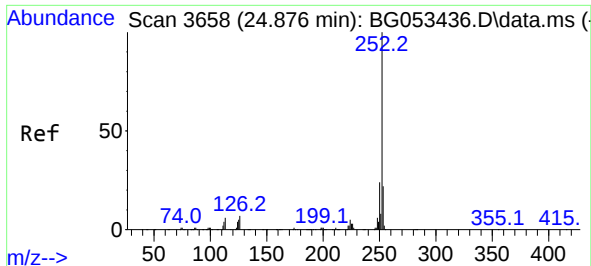


#89
Benzo(k)fluoranthene
Concen: 4.789 ng m
RT: 24.001 min Scan# 3509
Delta R.T. -0.011 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47



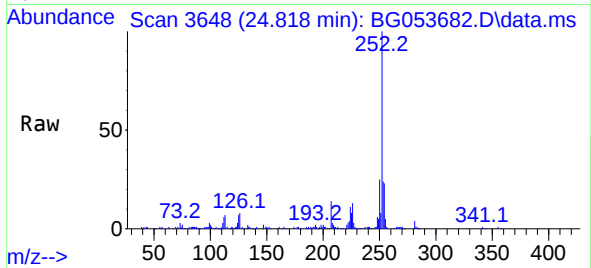
Tgt Ion:252 Resp: 55496
Ion Ratio Lower Upper
252 100
253 21.9 18.4 27.6
125 7.1 4.8 7.2





#90
Benzo(a)pyrene
Concen: 14.498 ng
RT: 24.818 min Scan# 30
Delta R.T. -0.011 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47

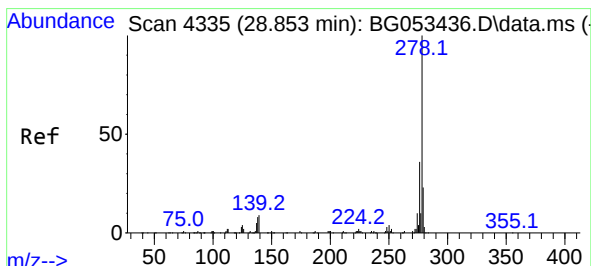
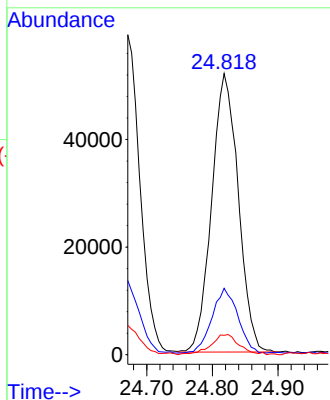
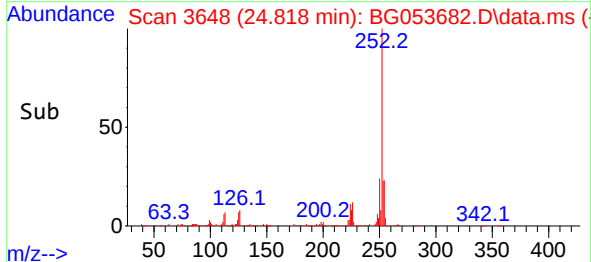
Instrument :
BNA_G
ClientSampleId :
P-5



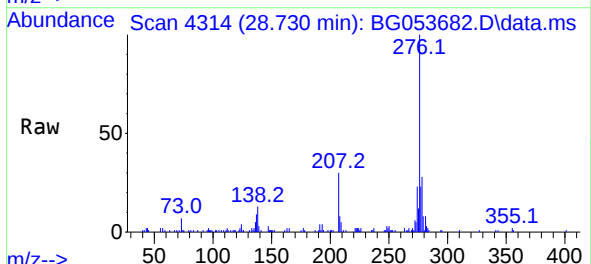
Tgt Ion:252 Resp: 14552
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 6.9 4.3 6.5

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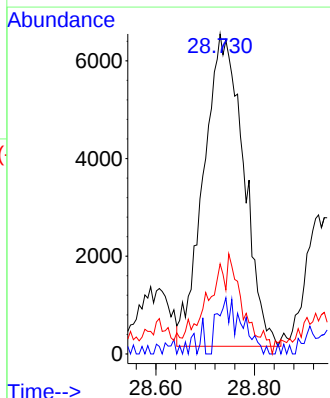
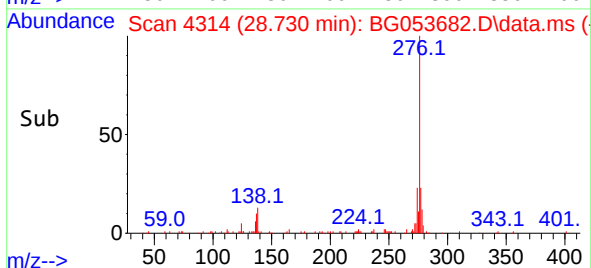
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

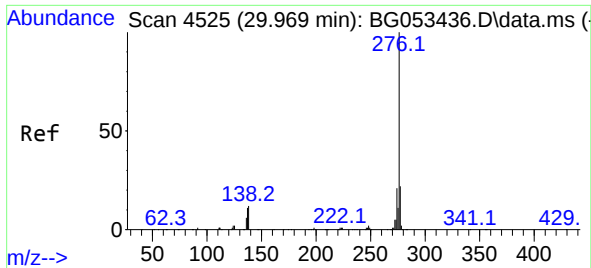


#91
Dibenzo(a,h)anthracene
Concen: 3.139 ng m
RT: 28.730 min Scan# 4314
Delta R.T. -0.052 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47



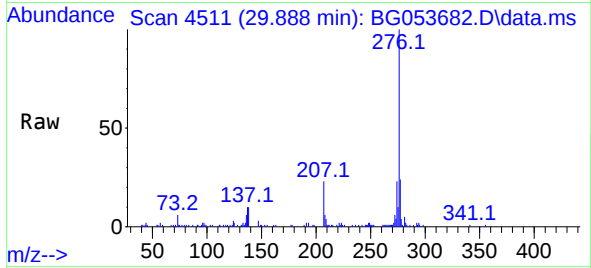
Tgt Ion:278 Resp: 35889
Ion Ratio Lower Upper
278 100
139 11.9 7.2 10.8#
279 28.2 18.6 27.8#





#92
 Benzo(g,h,i)perylene
 Concen: 13.431 ng
 RT: 29.888 min Scan# 4511
 Delta R.T. -0.017 min
 Lab File: BG053682.D
 Acq: 24 May 2022 12:47

Instrument :
 BNA_G
 ClientSampleId :
 P-5



Tgt Ion: 276 Resp: 152220

Ion	Ratio	Lower	Upper
276	100		
277	24.4	17.3	25.9
138	10.1	9.6	14.4

Manual Integrations
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Reviewed By : Christian Giraldo 05/25/2022
 Supervised By : Jagrut Upadhyay 05/25/2022

