

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032122\
 Data File : BG052774.D
 Acq On : 21 Mar 2022 19:07
 Operator : CG/JU
 Sample : N2007-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP1

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/22/2022
 Supervised By : Jagrut Upadhyay 03/22/2022

Quant Time: Mar 22 02:54:51 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 15 15:56:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.147	152	55919	20.000	ng	-0.01
21) Naphthalene-d8	10.955	136	230985	20.000	ng	#-0.02
39) Acenaphthene-d10	14.768	164	159571	20.000	ng	0.00
64) Phenanthrene-d10	17.505	188	319598	20.000	ng	-0.01
76) Chrysene-d12	21.793	240	288411	20.000	ng	-0.02
86) Perylene-d12	25.113	264	302233	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.704	112	315645	98.303	ng	0.00
7) Phenol-d6	7.295	99	462118	95.463	ng	0.00
23) Nitrobenzene-d5	9.305	82	323625	70.320	ng	-0.01
42) 2,4,6-Tribromophenol	16.248	330	200134	93.337	ng	-0.01
45) 2-Fluorobiphenyl	13.393	172	670534	61.975	ng	-0.01
79) Terphenyl-d14	20.113	244	889392	54.856	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.552	178	117231	6.857	ng	95
75) Fluoranthene	19.555	202	290643	13.392	ng	99
78) Pyrene	19.914	202	226283	11.311	ng	99
81) Benzo(a)anthracene	21.776	228	116657	6.041	ng	99
83) Chrysene	21.840	228	106997	5.893	ng	96
87) Indeno(1,2,3-cd)pyrene	28.901	276	73511	3.553	ng	# 94
88) Benzo(b)fluoranthene	24.061	252	136475	7.273	ng	# 96
89) Benzo(k)fluoranthene	24.114	252	51079m	2.767	ng	
90) Benzo(a)pyrene	24.954	252	99709	6.277	ng	99
92) Benzo(g,h,i)perylene	30.076	276	70552	4.183	ng	# 95

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

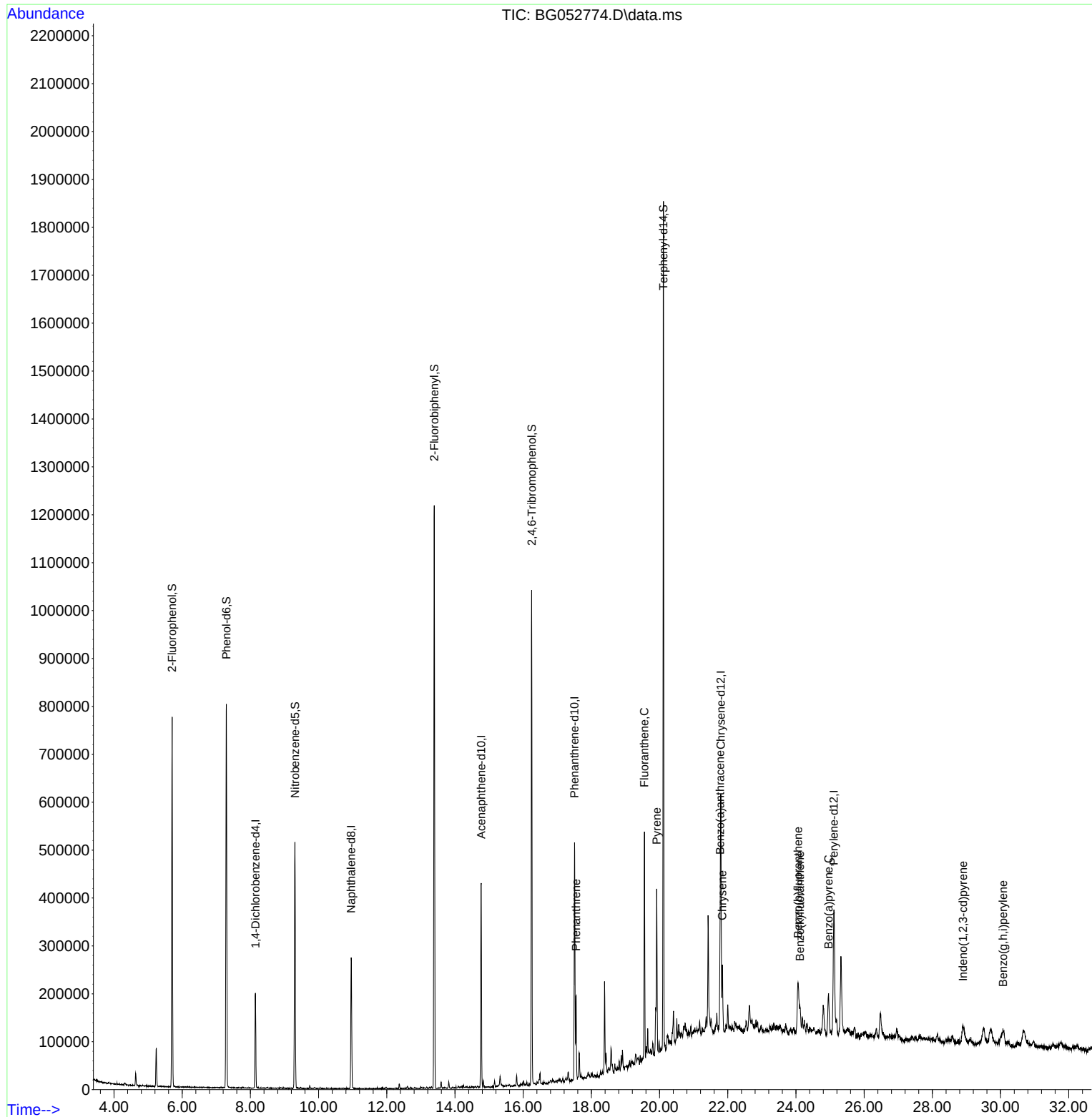
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032122\
Data File : BG052774.D
Acq On : 21 Mar 2022 19:07
Operator : CG/JU
Sample : N2007-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

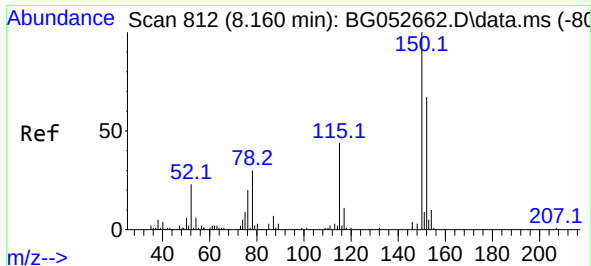
Instrument :
BNA_G
ClientSampleId :
SP1

Quant Time: Mar 22 02:54:51 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
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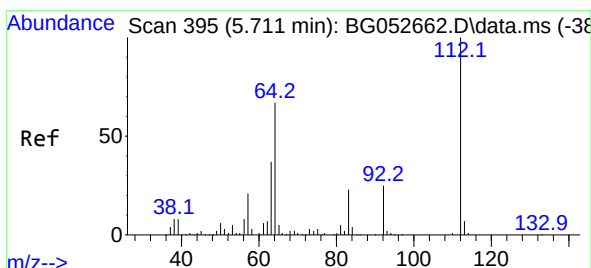
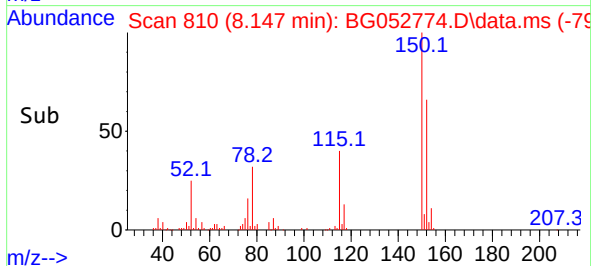
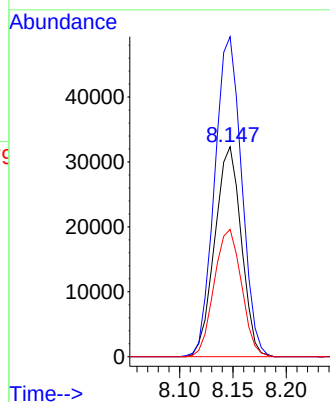
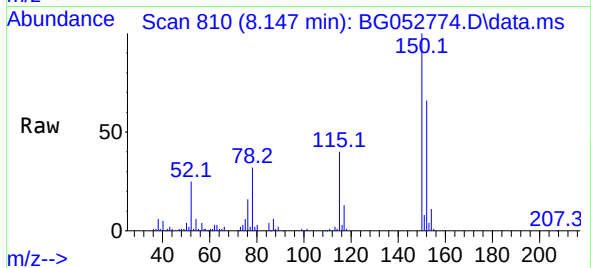
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.147 min Scan# 812
Delta R.T. -0.013 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07

Instrument :
BNA_G
ClientSampleId :
SP1

Tgt Ion:152 Resp: 55919
Ion Ratio Lower Upper
152 100
150 152.5 114.6 172.0
115 60.7 45.9 68.9

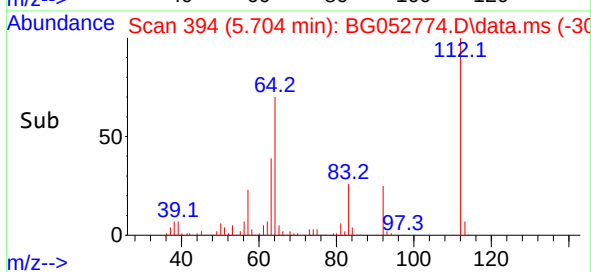
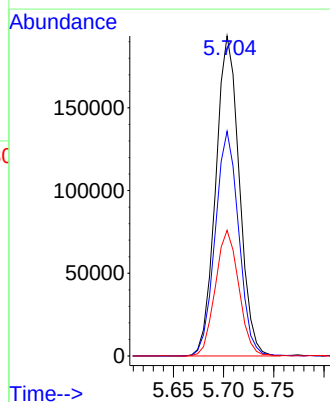
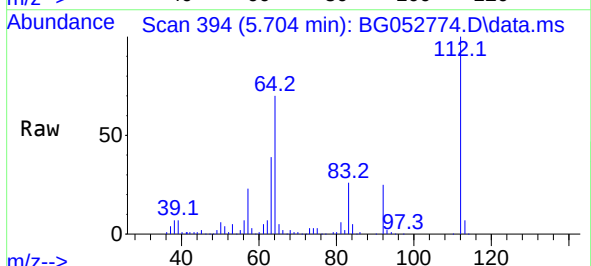
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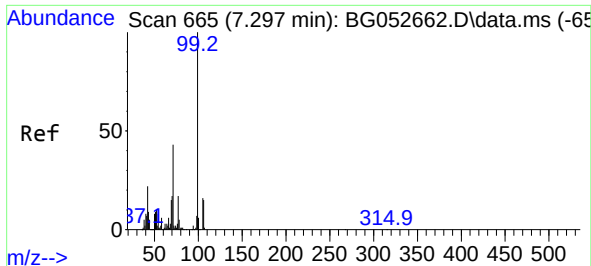
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#5
2-Fluorophenol
Concen: 98.303 ng
RT: 5.704 min Scan# 394
Delta R.T. -0.007 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07

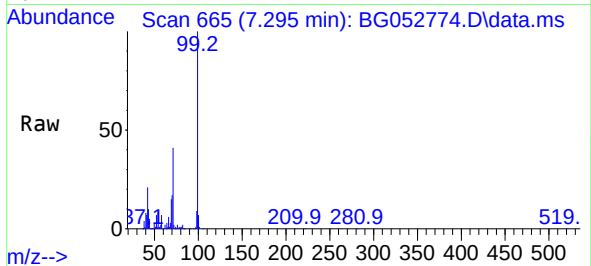
Tgt Ion:112 Resp: 315645
Ion Ratio Lower Upper
112 100
64 70.2 48.0 72.0
63 39.2 26.5 39.7





#7
Phenol-d6
Concen: 95.463 ng
RT: 7.295 min Scan# 60
Delta R.T. -0.002 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07

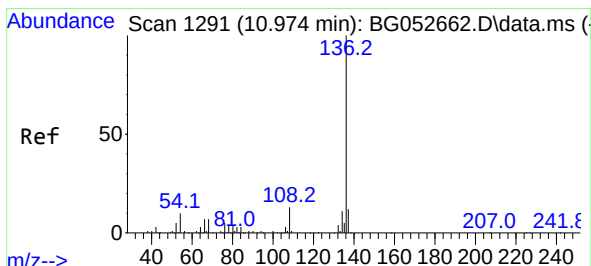
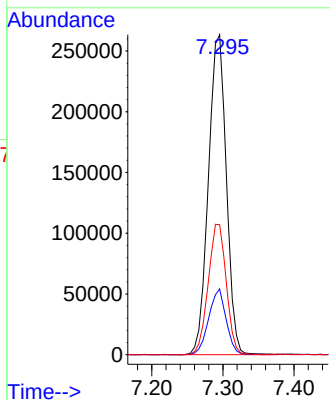
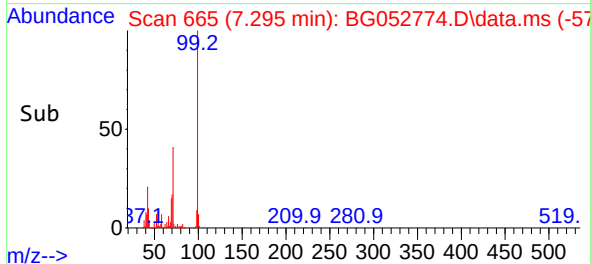
Instrument :
BNA_G
ClientSampleId :
SP1



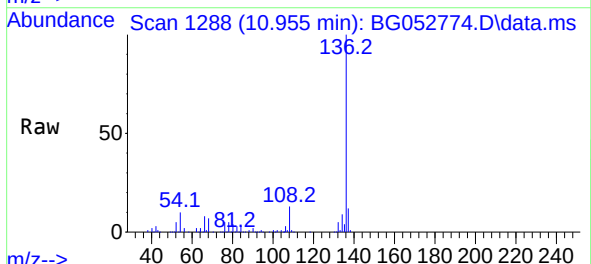
Tgt Ion: 99 Resp: 462118
Ion Ratio Lower Upper
99 100
42 20.5 14.7 22.1
71 40.6 29.2 43.8

Manual Integrations
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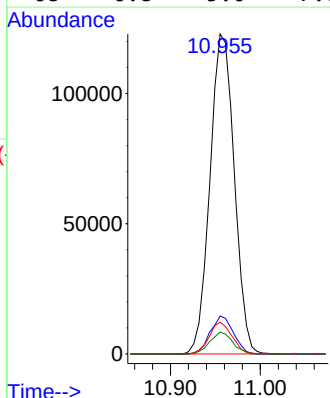
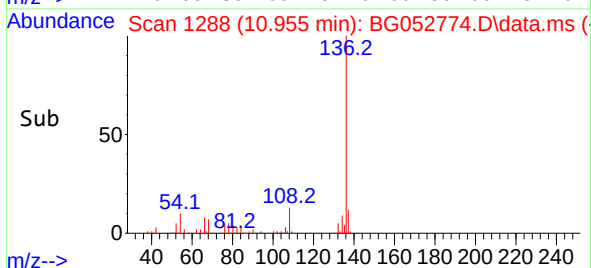
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

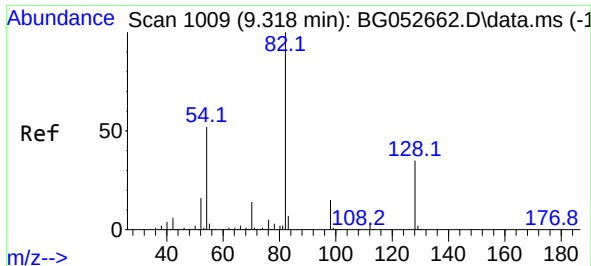


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.955 min Scan# 1288
Delta R.T. -0.019 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07



Tgt Ion:136 Resp: 230985
Ion Ratio Lower Upper
136 100
137 11.9 9.4 14.2
54 10.0 6.4 9.6#
68 6.8 5.0 7.6





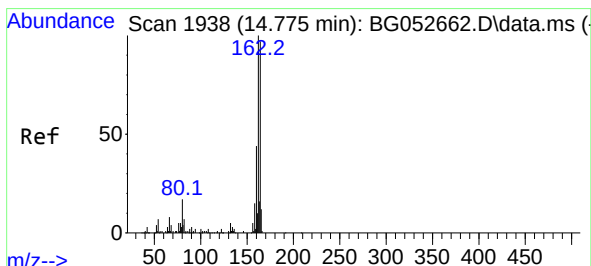
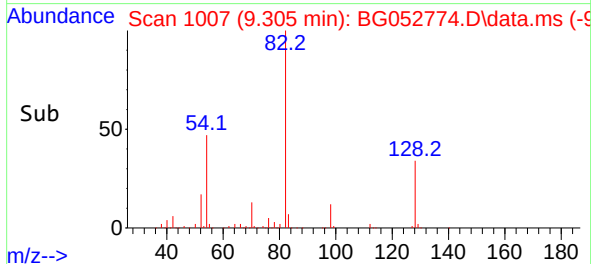
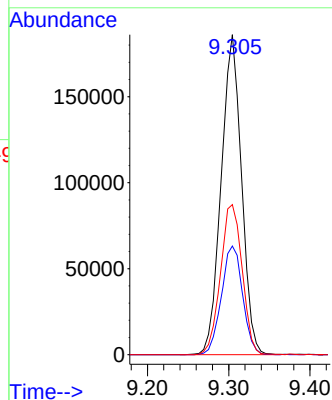
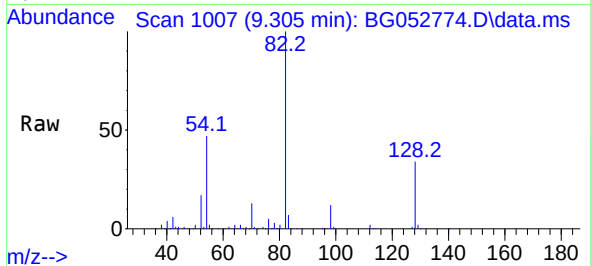
#23
Nitrobenzene-d5
Concen: 70.320 ng
RT: 9.305 min Scan# 1007
Delta R.T. -0.013 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07

Instrument :
BNA_G
ClientSampleId :
SP1

Tgt Ion: 82 Resp: 323625
Ion Ratio Lower Upper
82 100
128 34.0 31.3 46.9
54 46.9 37.8 56.8

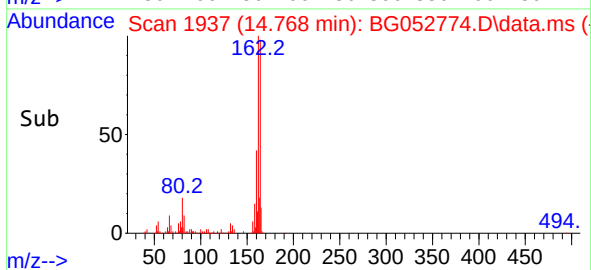
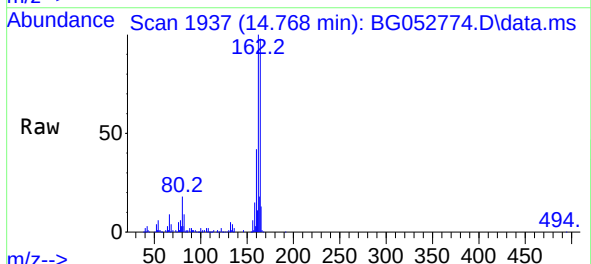
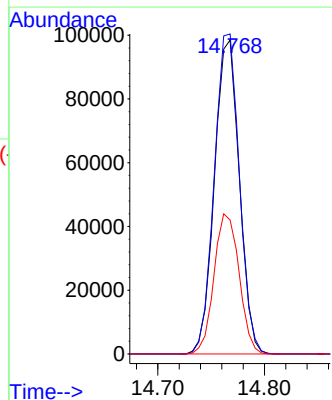
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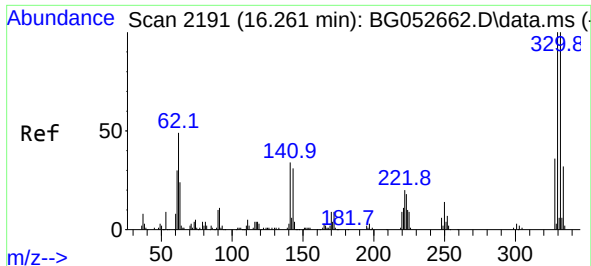
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.768 min Scan# 1937
Delta R.T. -0.007 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07

Tgt Ion:164 Resp: 159571
Ion Ratio Lower Upper
164 100
162 102.0 80.0 120.0
160 42.7 38.8 58.2





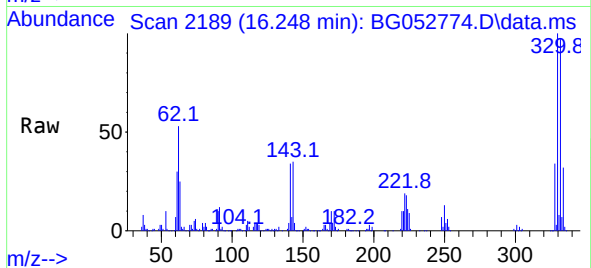
#42
2,4,6-Tribromophenol
Concen: 93.337 ng
RT: 16.248 min Scan# 2191
Delta R.T. -0.013 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07

Instrument :

BNA_G

ClientSampleId :

SP1

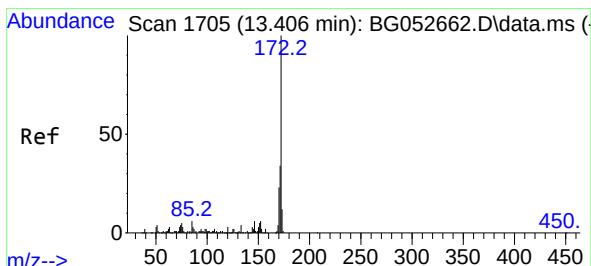
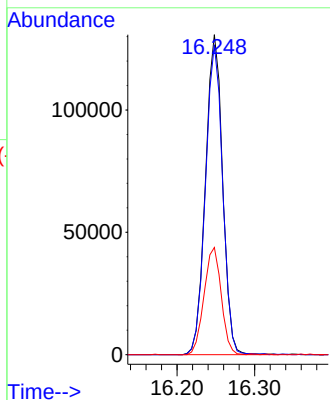
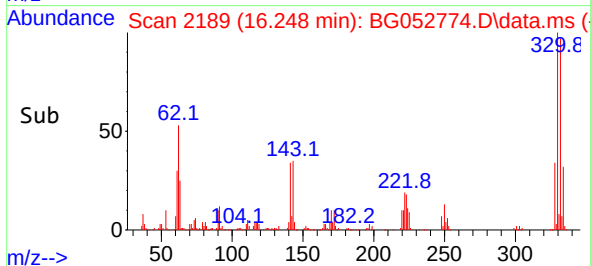


Tgt Ion:330 Resp: 200134
Ion Ratio Lower Upper
330 100
332 97.0 75.8 113.6
141 33.7 24.6 36.8

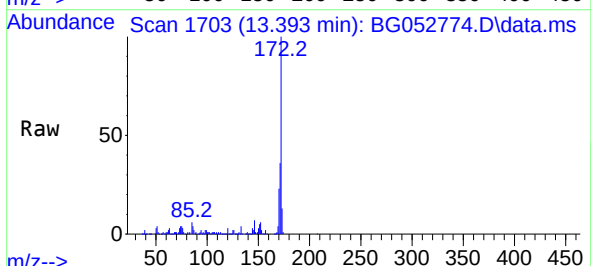
Manual Integrations

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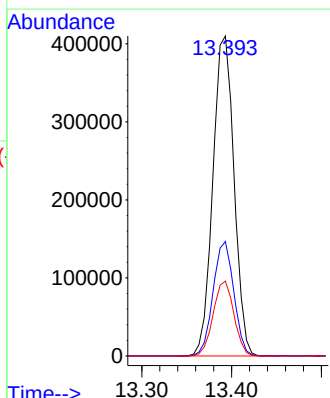
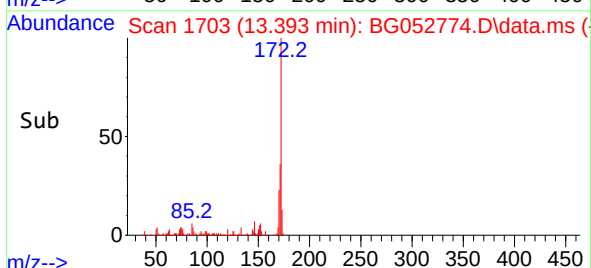
Reviewed By :Christian Giraldo 03/22/2022
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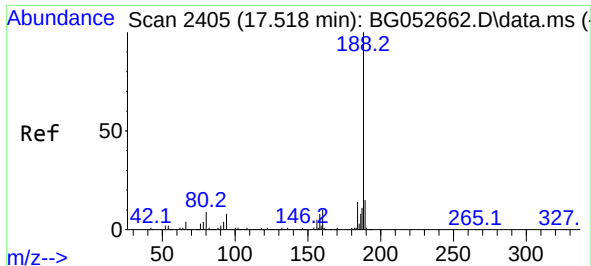


#45
2-Fluorobiphenyl
Concen: 61.975 ng
RT: 13.393 min Scan# 1703
Delta R.T. -0.013 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07



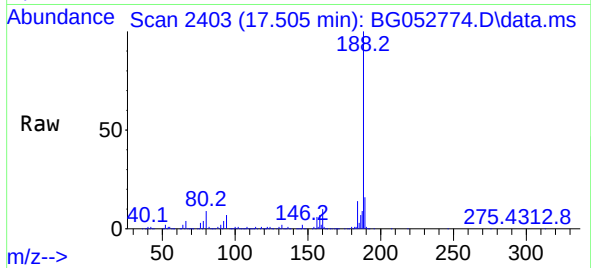
Tgt Ion:172 Resp: 670534
Ion Ratio Lower Upper
172 100
171 35.8 28.3 42.5
170 23.4 18.0 27.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.505 min Scan# 2405
Delta R.T. -0.013 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07

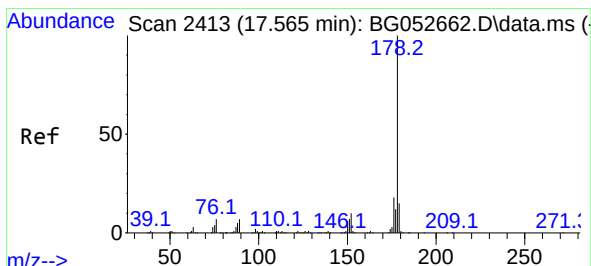
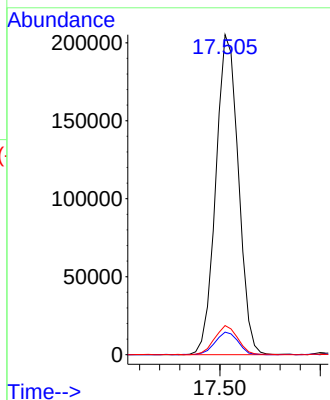
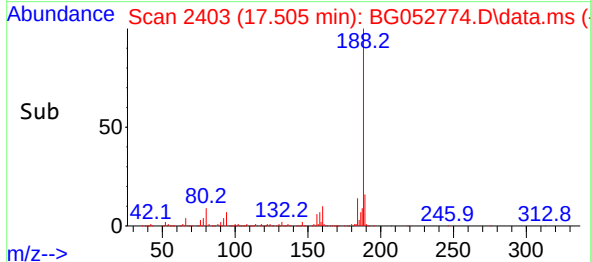
Instrument :
BNA_G
ClientSampleId :
SP1



Tgt Ion:188 Resp: 319598
Ion Ratio Lower Upper
188 100
94 7.1 5.7 8.5
80 9.1 7.2 10.8

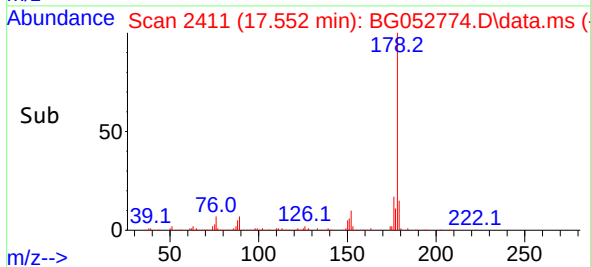
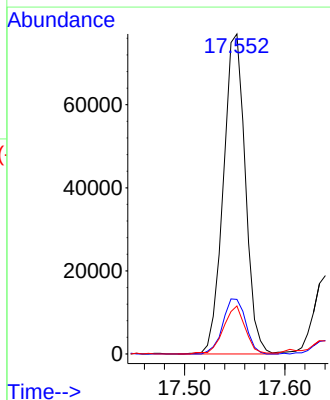
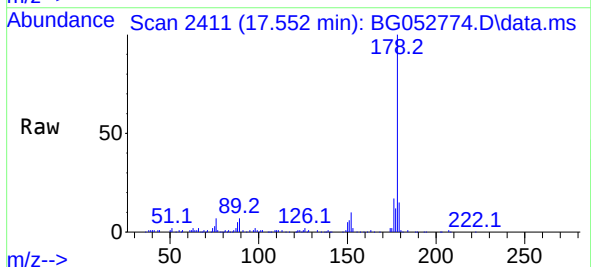
Manual Integrations
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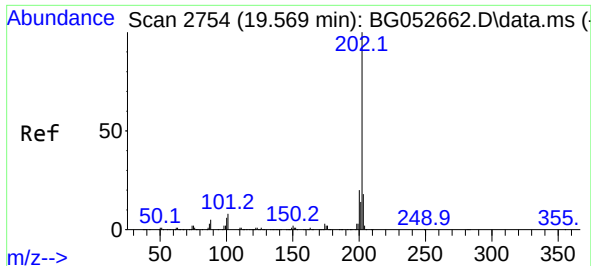
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#71
Phenanthrene
Concen: 6.857 ng
RT: 17.552 min Scan# 2411
Delta R.T. -0.013 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07

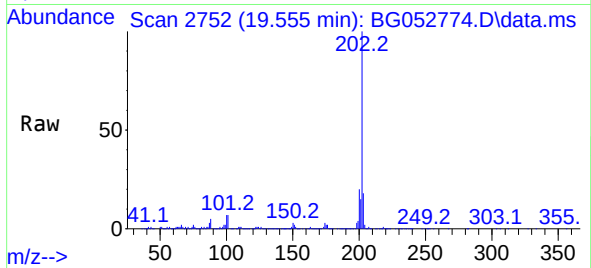
Tgt Ion:178 Resp: 117231
Ion Ratio Lower Upper
178 100
176 17.1 15.9 23.9
179 15.0 13.4 20.2





#75
Fluoranthene
Concen: 13.392 ng
RT: 19.555 min Scan# 21
Delta R.T. -0.013 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07

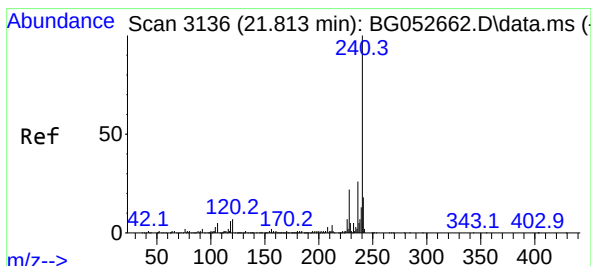
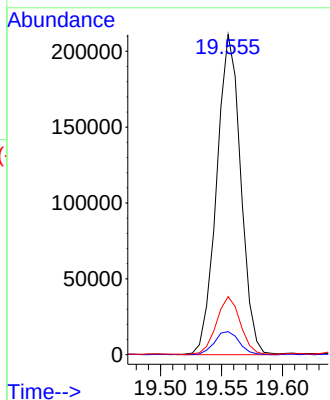
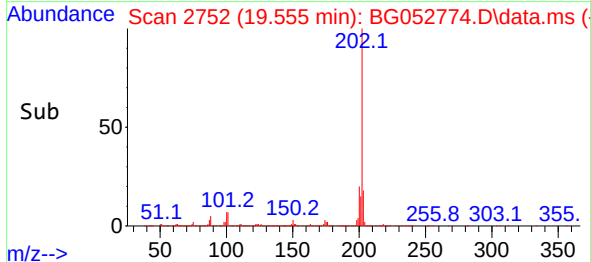
Instrument :
BNA_G
ClientSampleId :
SP1



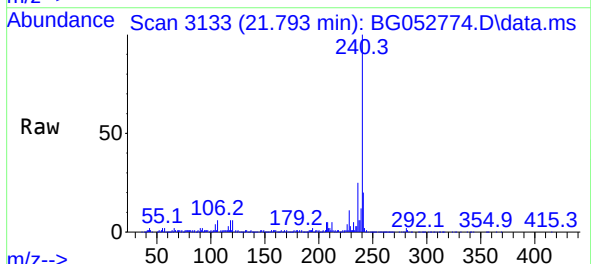
Tgt Ion:202 Resp: 29064
Ion Ratio Lower Upper
202 100
101 7.2 0.0 27.3
203 18.1 0.0 37.7

Manual Integrations
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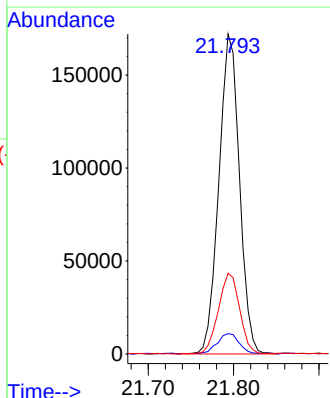
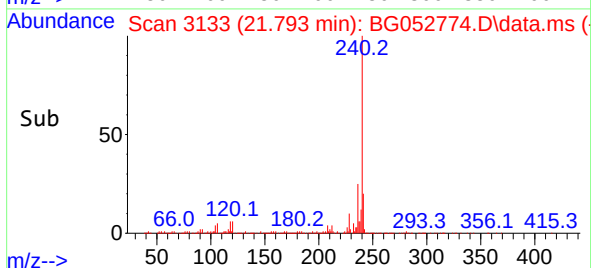
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

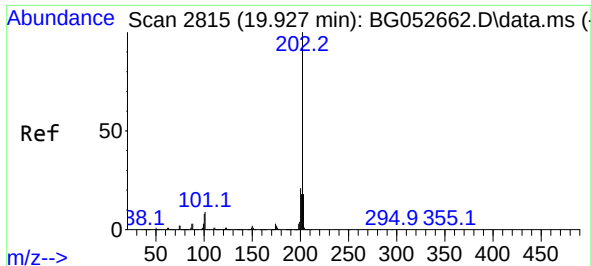


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.793 min Scan# 3133
Delta R.T. -0.019 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07



Tgt Ion:240 Resp: 288411
Ion Ratio Lower Upper
240 100
120 6.4 5.4 8.0
236 25.2 19.8 29.6





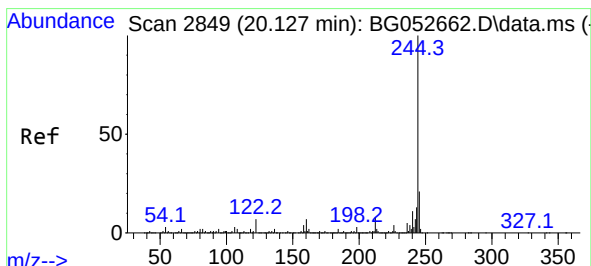
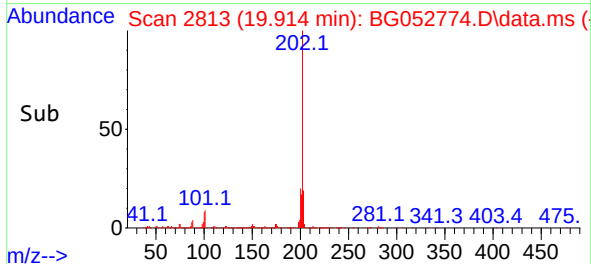
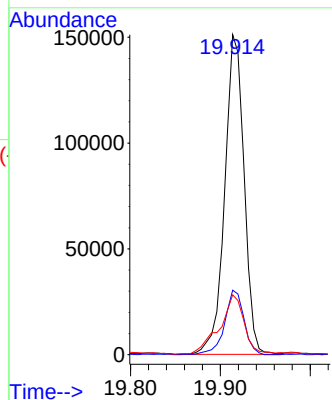
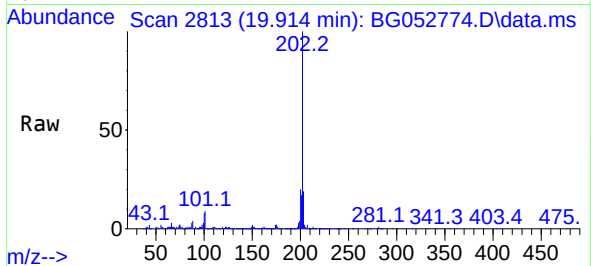
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Pyrene
Concen: 11.311 ng
RT: 19.914 min Scan# 21
Delta R.T. -0.013 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07

Instrument :
BNA_G
ClientSampleId :
SP1

Tgt Ion:202 Resp: 22628
Ion Ratio Lower Upper
202 100
200 20.1 17.0 25.6
203 18.7 15.0 22.6

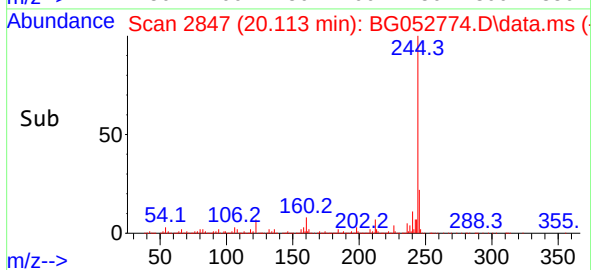
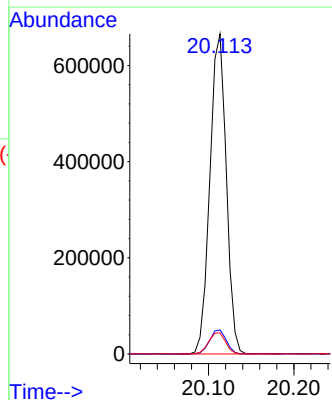
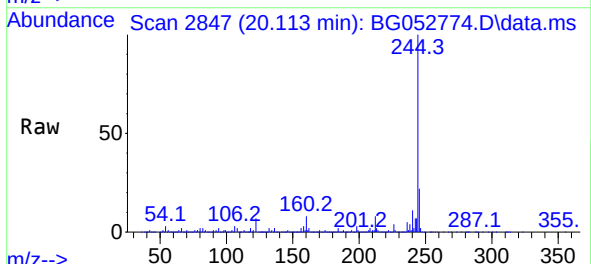
Manual Integrations
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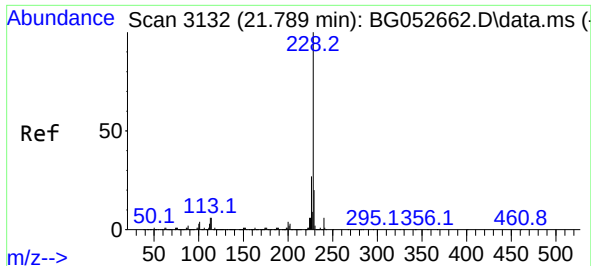
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#79
Terphenyl-d14
Concen: 54.856 ng
RT: 20.113 min Scan# 2847
Delta R.T. -0.013 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07

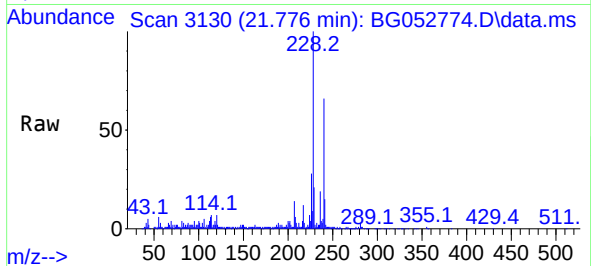
Tgt Ion:244 Resp: 889392
Ion Ratio Lower Upper
244 100
212 7.5 5.4 8.2
122 6.6 5.8 8.6





#81
Benzo(a)anthracene
Concen: 6.041 ng
RT: 21.776 min Scan# 3132
Delta R.T. -0.013 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07

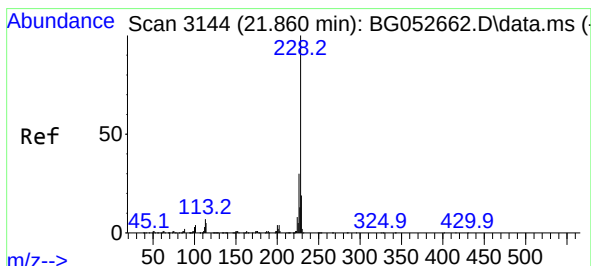
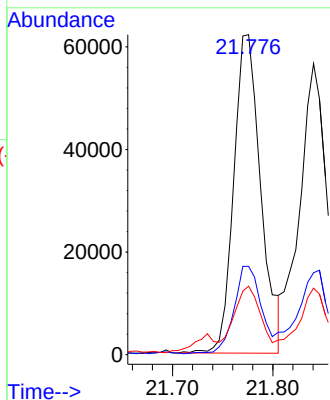
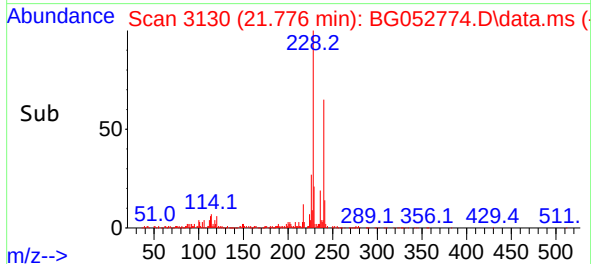
Instrument :
BNA_G
ClientSampleId :
SP1



Tgt Ion:228 Resp: 11665
Ion Ratio Lower Upper
228 100
226 27.6 21.4 32.0
229 21.4 16.7 25.1

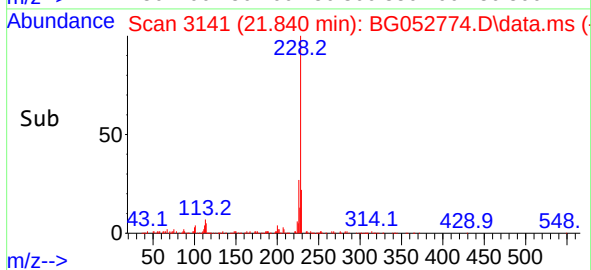
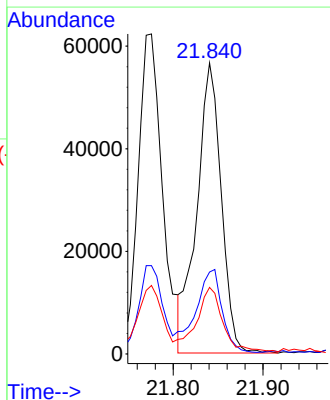
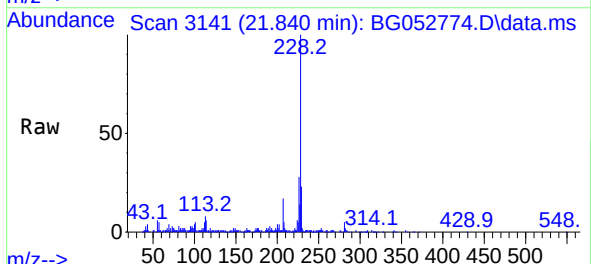
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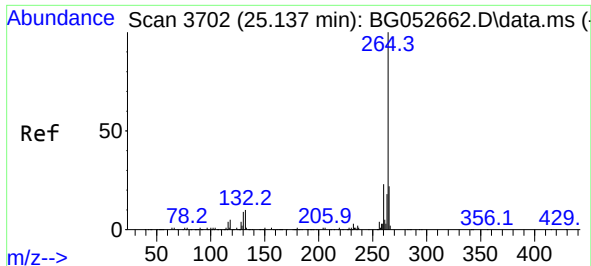
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#83
Chrysene
Concen: 5.893 ng
RT: 21.840 min Scan# 3141
Delta R.T. -0.019 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07

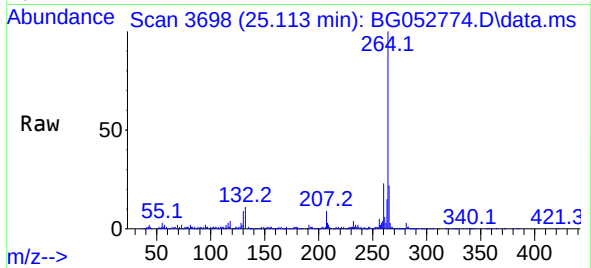
Tgt Ion:228 Resp: 106997
Ion Ratio Lower Upper
228 100
226 28.2 24.2 36.4
229 22.9 16.3 24.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.113 min Scan# 30
Delta R.T. -0.025 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07

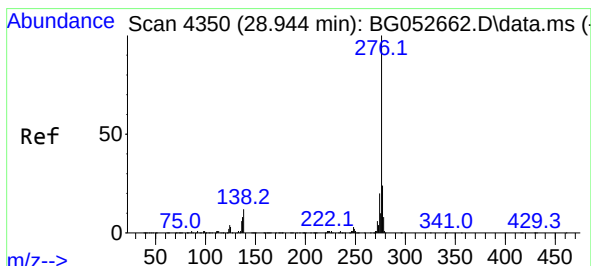
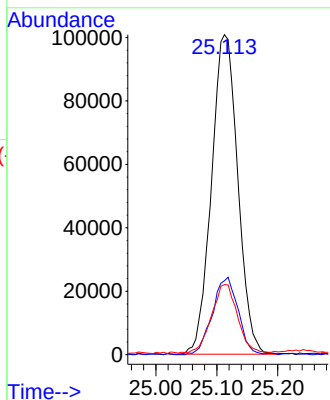
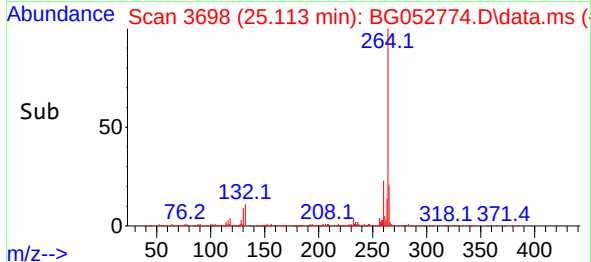
Instrument :
BNA_G
ClientSampleId :
SP1



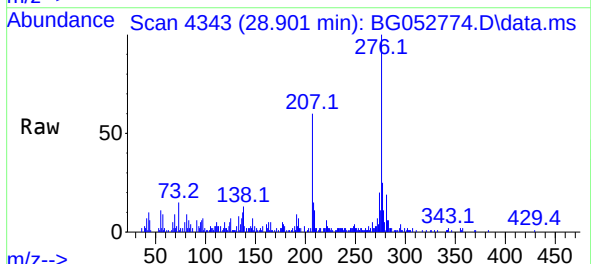
Tgt Ion:264 Resp: 30223
Ion Ratio Lower Upper
264 100
260 23.1 18.2 27.2
265 21.9 15.1 22.7

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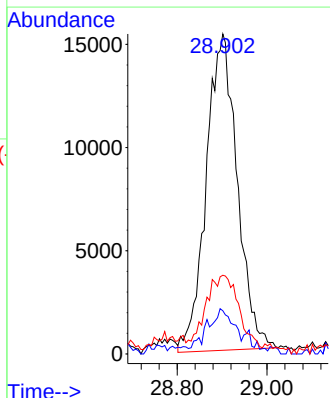
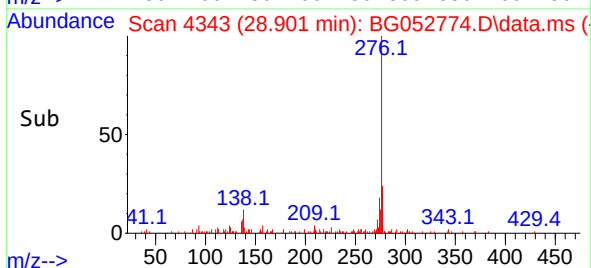
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

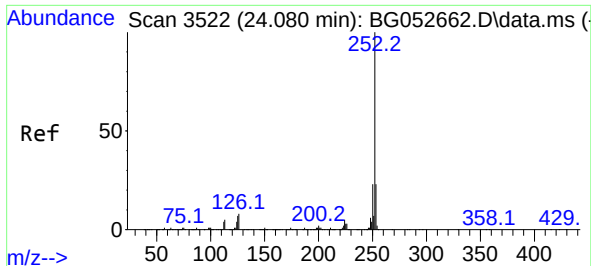


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.553 ng
RT: 28.901 min Scan# 4343
Delta R.T. -0.043 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07



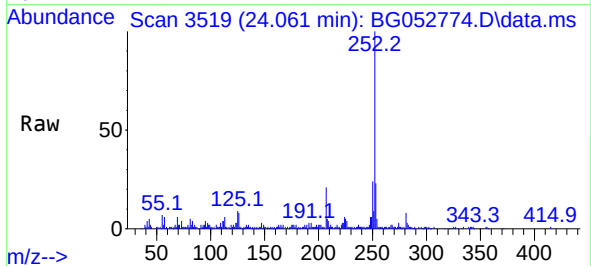
Tgt Ion:276 Resp: 73511
Ion Ratio Lower Upper
276 100
138 5.4 8.7 13.1#
277 24.0 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 7.273 ng
RT: 24.061 min Scan# 3519
Delta R.T. -0.019 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07

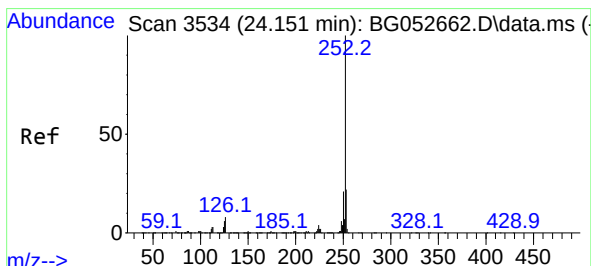
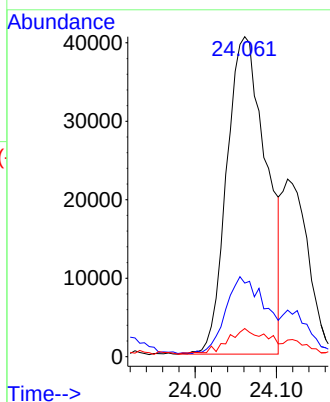
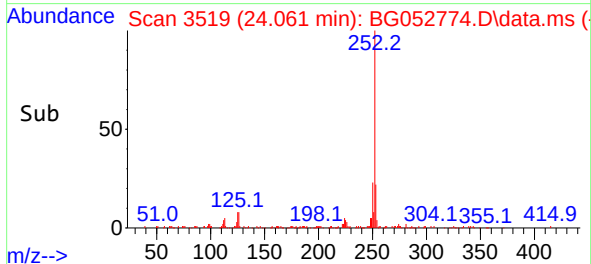
Instrument :
BNA_G
ClientSampleId :
SP1



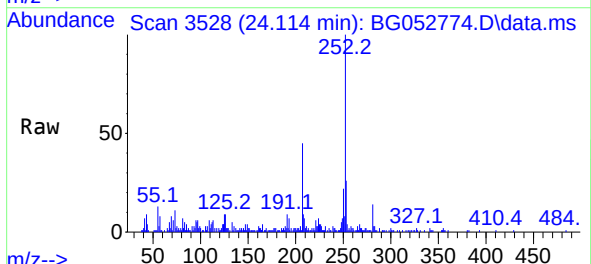
Tgt Ion:252 Resp: 136479
Ion Ratio Lower Upper
252 100
253 23.0 17.2 25.8
125 8.8 5.2 7.8

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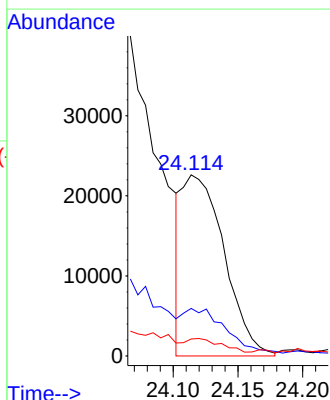
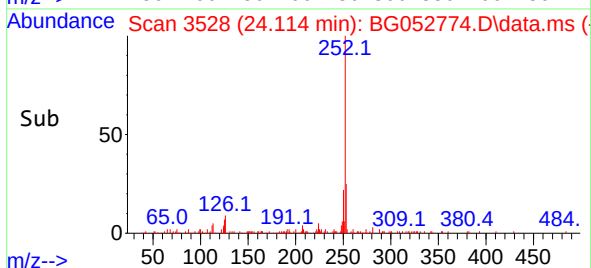
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

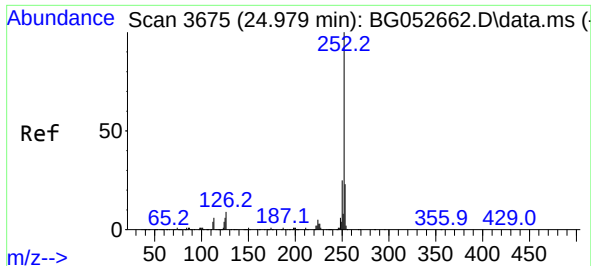


#89
Benzo(k)fluoranthene
Concen: 2.767 ng m
RT: 24.114 min Scan# 3528
Delta R.T. -0.037 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07



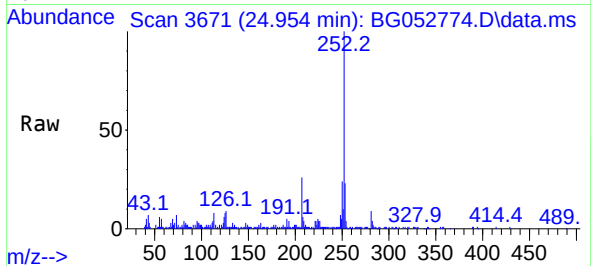
Tgt Ion:252 Resp: 51079
Ion Ratio Lower Upper
252 100
253 26.2 17.4 26.0#
125 9.4 5.0 7.4#





#90
Benzo(a)pyrene
Concen: 6.277 ng
RT: 24.954 min Scan# 30
Delta R.T. -0.025 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07

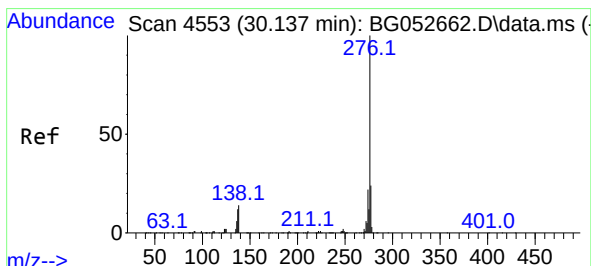
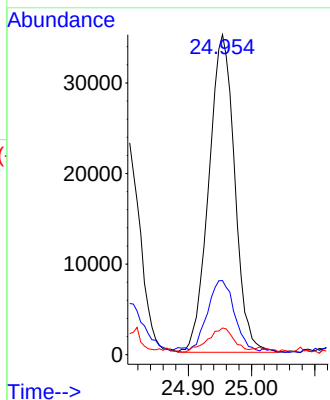
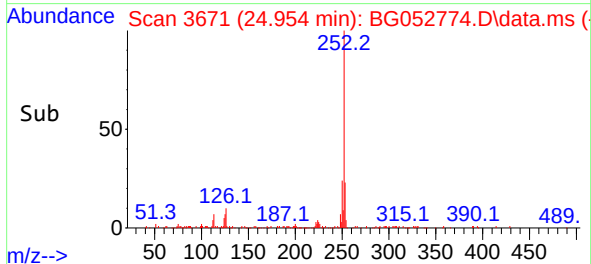
Instrument :
BNA_G
ClientSampleId :
SP1



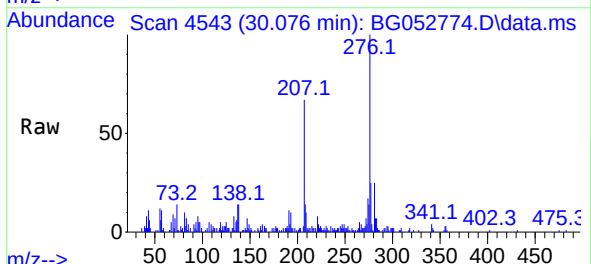
Tgt Ion:252 Resp: 99709
Ion Ratio Lower Upper
252 100
253 23.2 18.4 27.6
125 8.3 5.6 8.4

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Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#92
Benzo(g,h,i)perylene
Concen: 4.183 ng
RT: 30.076 min Scan# 4543
Delta R.T. -0.060 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07



Tgt Ion:276 Resp: 70552
Ion Ratio Lower Upper
276 100
277 24.8 18.2 27.2
138 14.2 9.1 13.7#

