

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042122\
 Data File : BG053248.D
 Acq On : 21 Apr 2022 19:28
 Operator : CG/JU
 Sample : N2493-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11944

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 04/22/2022
 Supervised By :Jagrut Upadhyay 04/22/2022

Quant Time: Apr 22 02:57:37 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 08 15:31:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.118	152	32775	20.000	ng	0.00
21) Naphthalene-d8	10.926	136	134699	20.000	ng	#-0.01
39) Acenaphthene-d10	14.738	164	97680	20.000	ng	-0.01
64) Phenanthrene-d10	17.481	188	222614	20.000	ng	-0.01
76) Chrysene-d12	21.764	240	202944	20.000	ng	#-0.01
86) Perylene-d12	25.065	264	208878	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.680	112	202642	105.985	ng	0.00
7) Phenol-d6	7.272	99	300035	101.759	ng	-0.01
23) Nitrobenzene-d5	9.275	82	212934	64.186	ng	-0.01
42) 2,4,6-Tribromophenol	16.224	330	149100	95.943	ng	-0.01
45) 2-Fluorobiphenyl	13.358	172	463146	65.380	ng	-0.01
79) Terphenyl-d14	20.084	244	729055	60.672	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.523	178	77434	6.368	ng	98
75) Fluoranthene	19.532	202	206860	13.272	ng	99
78) Pyrene	19.890	202	199436	13.798	ng	97
81) Benzo(a)anthracene	21.746	228	93623	6.747	ng	99
83) Chrysene	21.811	228	100721	7.821	ng	94
87) Indeno(1,2,3-cd)pyrene	28.837	276	69803	4.498	ng	# 91
88) Benzo(b)fluoranthene	24.020	252	138940	10.543	ng	98
89) Benzo(k)fluoranthene	24.078	252	45860m	3.541	ng	
90) Benzo(a)pyrene	24.907	252	90316	8.044	ng	97
92) Benzo(g,h,i)perylene	30.012	276	68280	5.424	ng	# 93

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

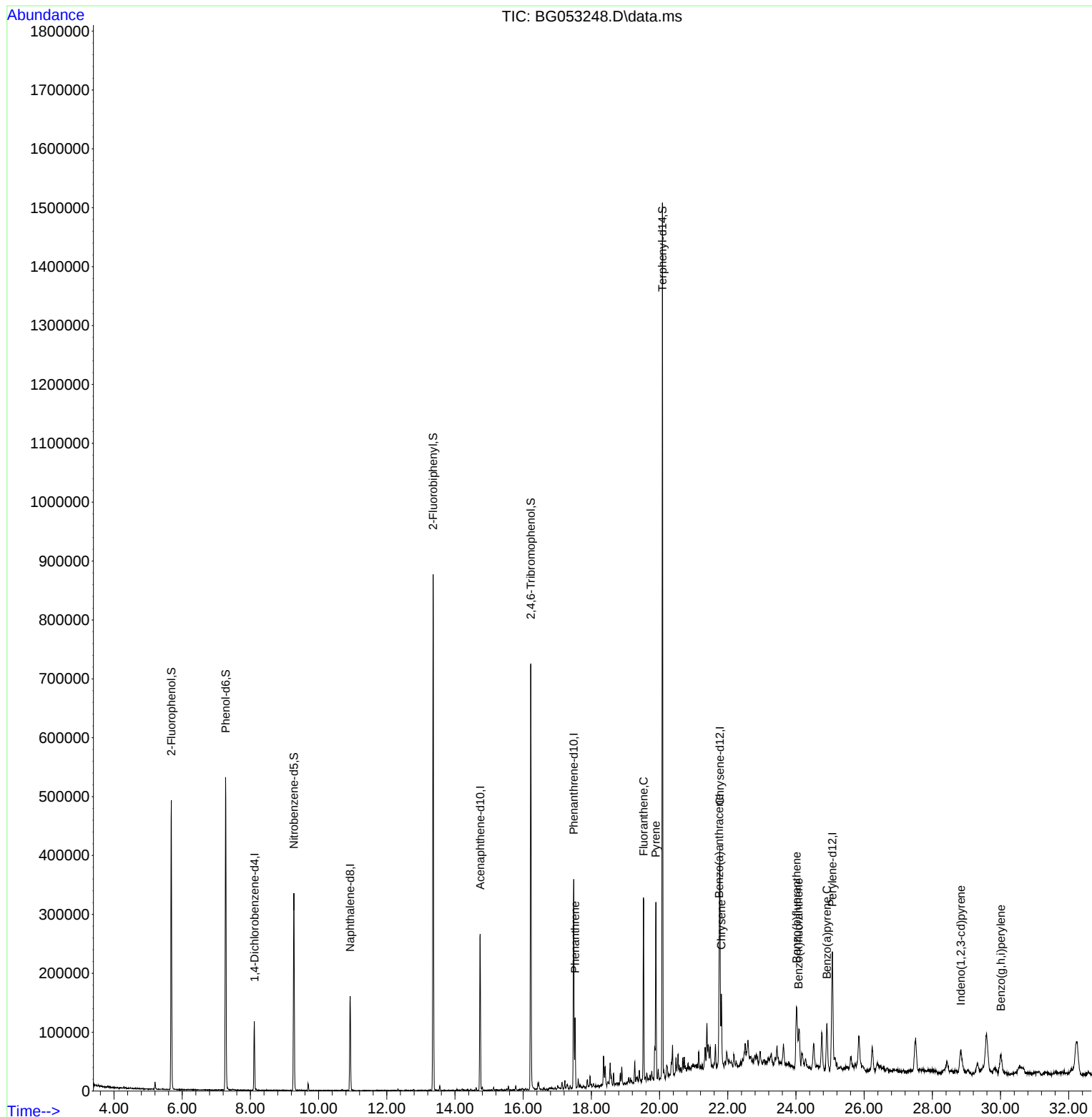
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042122\
Data File : BG053248.D
Acq On : 21 Apr 2022 19:28
Operator : CG/JU
Sample : N2493-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

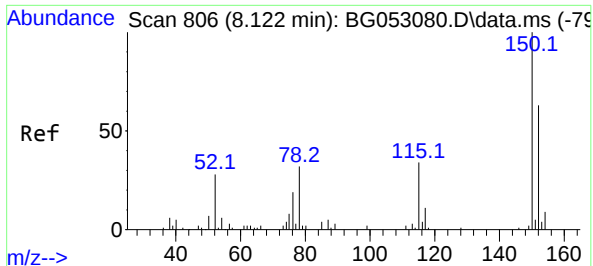
Instrument :
BNA_G
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
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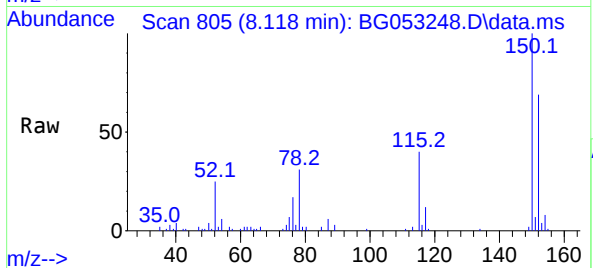
Reviewed By : Christian Giraldo 04/22/2022
Supervised By : Jagrut Upadhyay 04/22/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.118 min Scan# 806
Delta R.T. -0.004 min
Lab File: BG053248.D
Acq: 21 Apr 2022 19:28

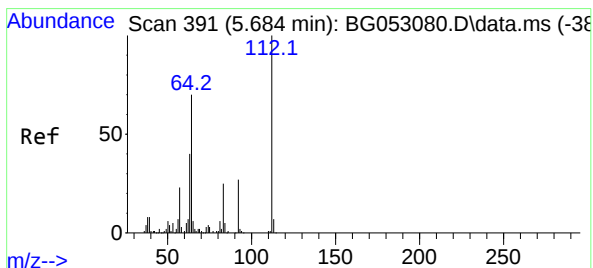
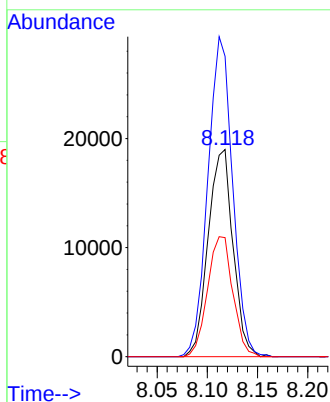
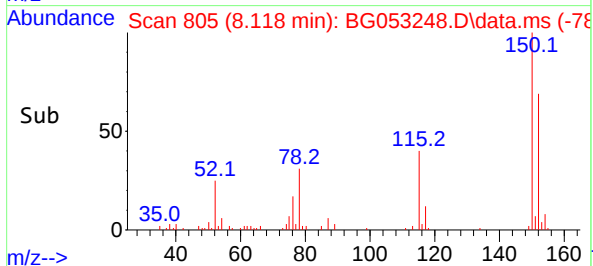
Instrument :
BNA_G
ClientSampleId :
72-11944



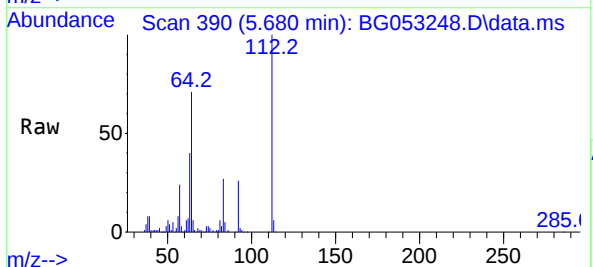
Tgt Ion:152 Resp: 32775
Ion Ratio Lower Upper
152 100
150 144.9 114.6 172.0
115 57.4 45.9 68.9

Manual Integrations
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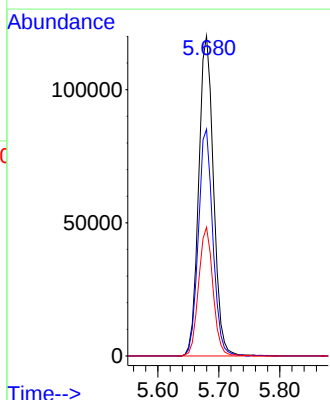
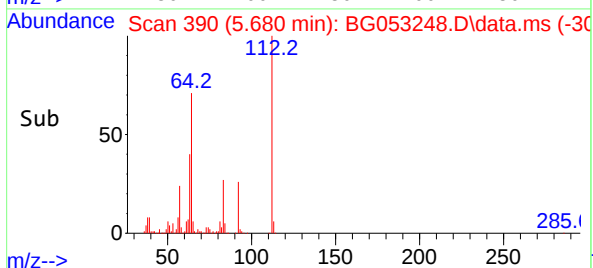
Reviewed By :Christian Giraldo 04/22/2022
Supervised By :Jagrut Upadhyay 04/22/2022



#5
2-Fluorophenol
Concen: 105.985 ng
RT: 5.680 min Scan# 390
Delta R.T. -0.004 min
Lab File: BG053248.D
Acq: 21 Apr 2022 19:28



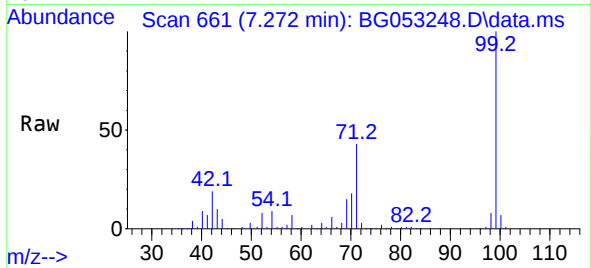
Tgt Ion:112 Resp: 202642
Ion Ratio Lower Upper
112 100
64 70.8 48.0 72.0
63 40.2 26.5 39.7





#7
Phenol-d6
Concen: 101.759 ng
RT: 7.272 min Scan# 60
Delta R.T. -0.010 min
Lab File: BG053248.D
Acq: 21 Apr 2022 19:28

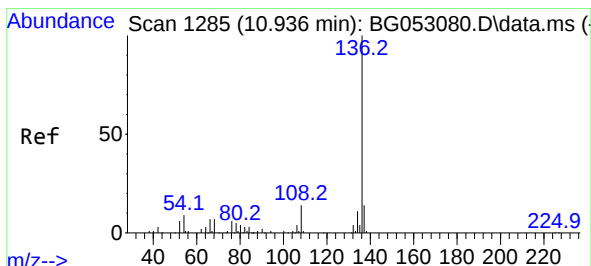
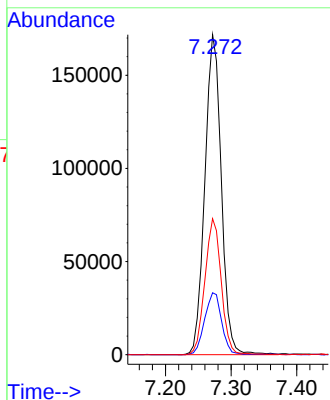
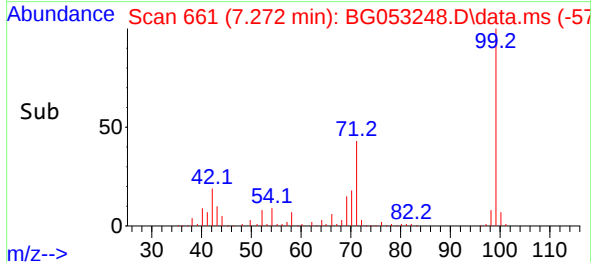
Instrument :
BNA_G
ClientSampleId :
72-11944



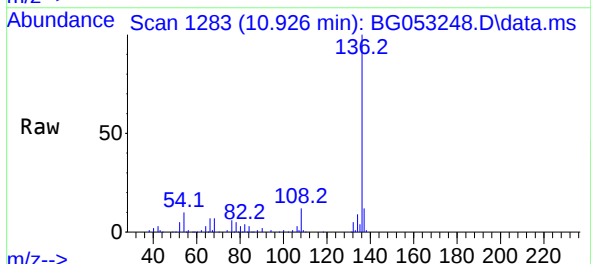
Tgt Ion: 99 Resp: 30003
Ion Ratio Lower Upper
99 100
42 19.3 14.7 22.1
71 42.5 29.2 43.8

Manual Integrations
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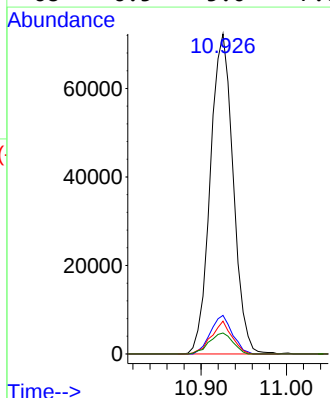
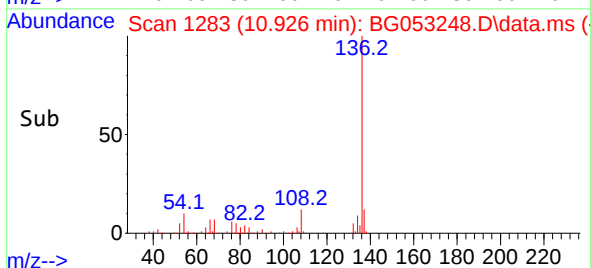
Reviewed By :Christian Giraldo 04/22/2022
Supervised By :Jagrut Upadhyay 04/22/2022

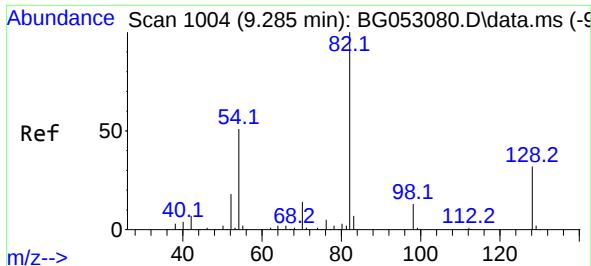


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.926 min Scan# 1283
Delta R.T. -0.010 min
Lab File: BG053248.D
Acq: 21 Apr 2022 19:28



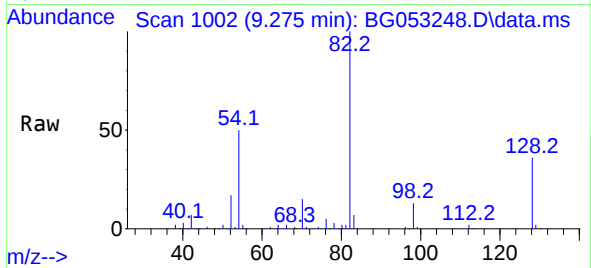
Tgt Ion:136 Resp: 134699
Ion Ratio Lower Upper
136 100
137 12.0 9.4 14.2
54 10.2 6.4 9.6#
68 6.5 5.0 7.6





#23
Nitrobenzene-d5
Concen: 64.186 ng
RT: 9.275 min Scan# 1002
Delta R.T. -0.010 min
Lab File: BG053248.D
Acq: 21 Apr 2022 19:28

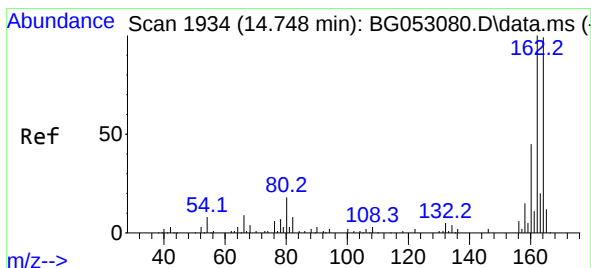
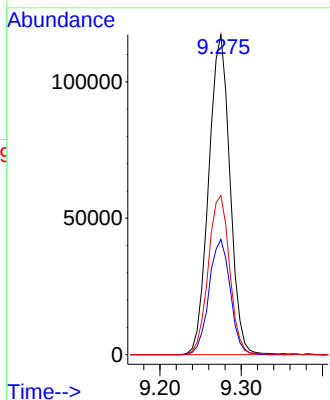
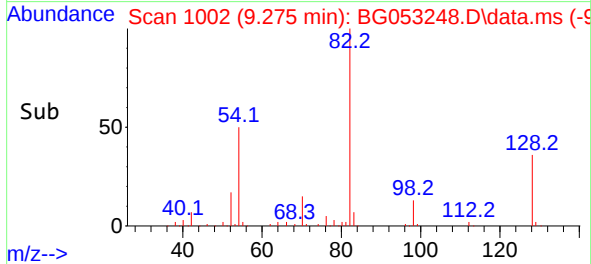
Instrument :
BNA_G
ClientSampleId :
72-11944



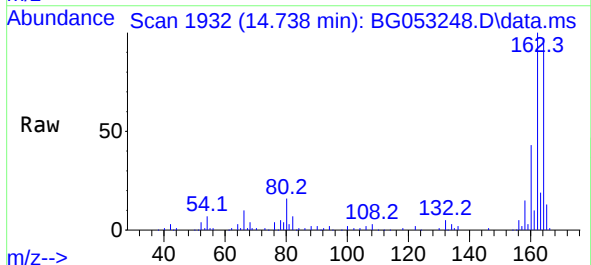
Tgt Ion: 82 Resp: 212934
Ion Ratio Lower Upper
82 100
128 36.0 31.3 46.9
54 49.8 37.8 56.8

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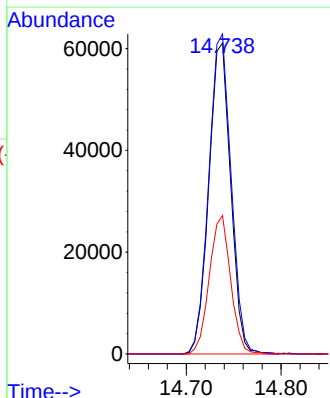
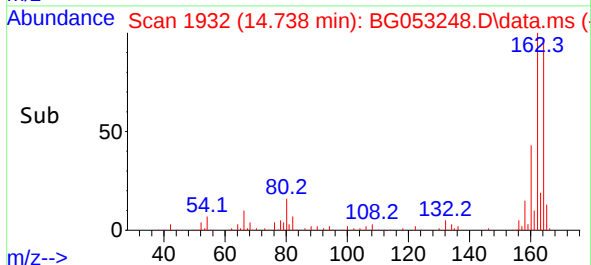
Reviewed By :Christian Giraldo 04/22/2022
Supervised By :Jagrut Upadhyay 04/22/2022

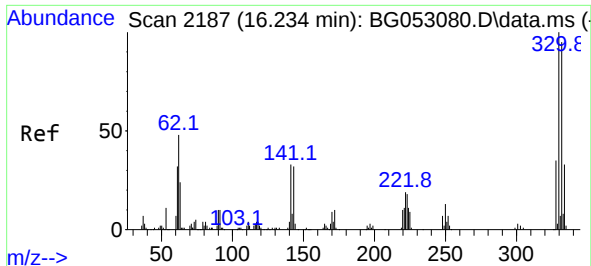


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.738 min Scan# 1932
Delta R.T. -0.010 min
Lab File: BG053248.D
Acq: 21 Apr 2022 19:28



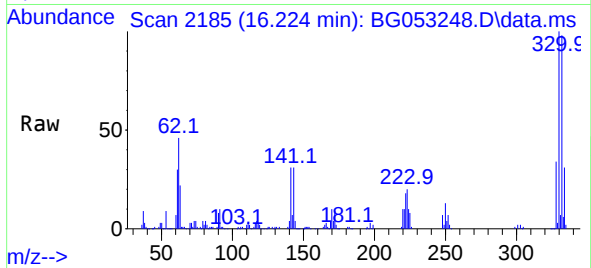
Tgt Ion:164 Resp: 97680
Ion Ratio Lower Upper
164 100
162 102.9 80.0 120.0
160 44.5 38.8 58.2





#42
2,4,6-Tribromophenol
Concen: 95.943 ng
RT: 16.224 min Scan# 2187
Delta R.T. -0.010 min
Lab File: BG053248.D
Acq: 21 Apr 2022 19:28

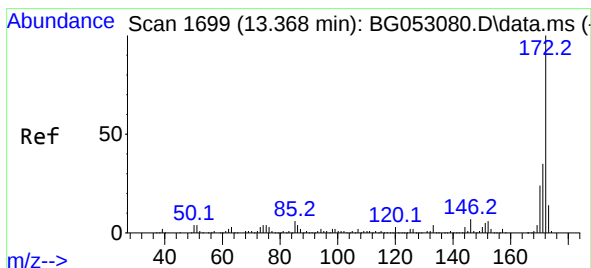
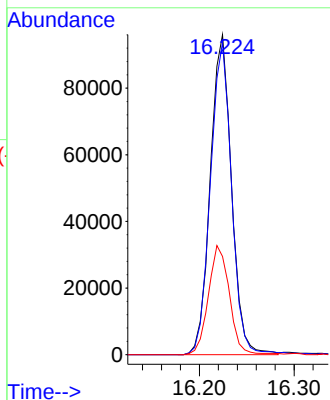
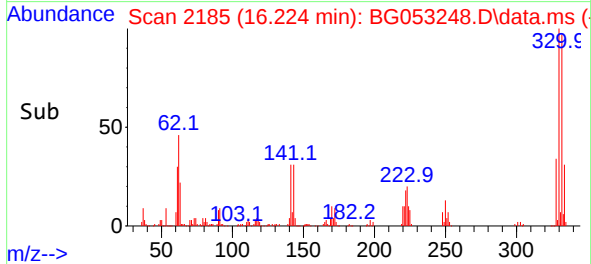
Instrument :
BNA_G
ClientSampleId :
72-11944



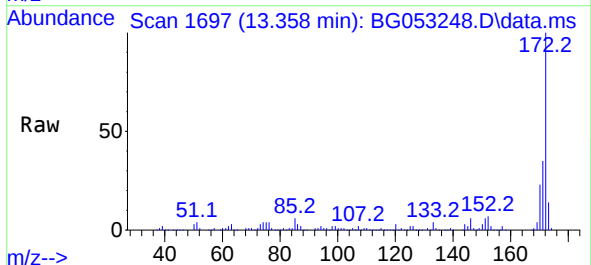
Tgt Ion:330 Resp: 149100
Ion Ratio Lower Upper
330 100
332 97.7 75.8 113.6
141 34.0 24.6 36.8

Manual Integrations
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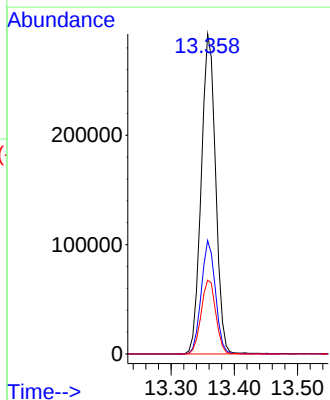
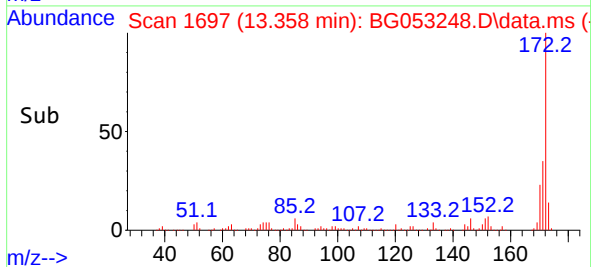
Reviewed By :Christian Giraldo 04/22/2022
Supervised By :Jagrut Upadhyay 04/22/2022



#45
2-Fluorobiphenyl
Concen: 65.380 ng
RT: 13.358 min Scan# 1697
Delta R.T. -0.010 min
Lab File: BG053248.D
Acq: 21 Apr 2022 19:28



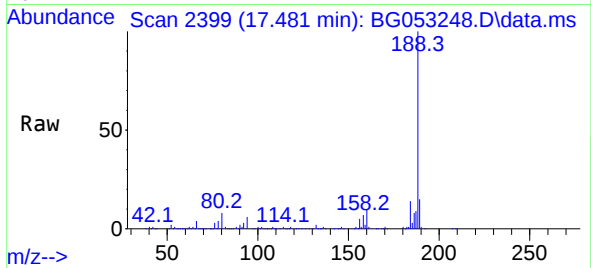
Tgt Ion:172 Resp: 463146
Ion Ratio Lower Upper
172 100
171 35.5 28.3 42.5
170 23.1 18.0 27.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.481 min Scan# 21
Delta R.T. -0.010 min
Lab File: BG053248.D
Acq: 21 Apr 2022 19:28

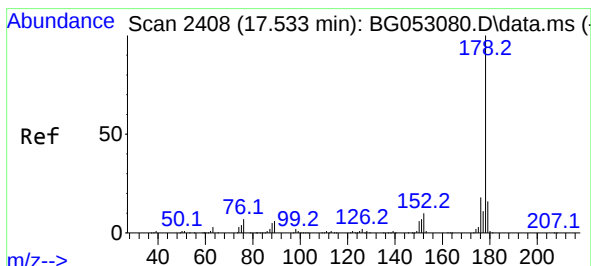
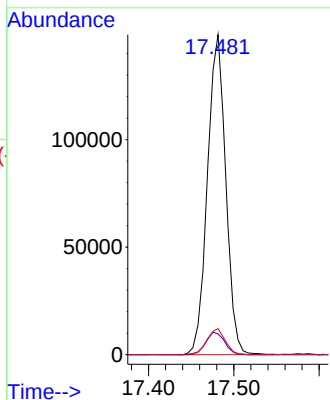
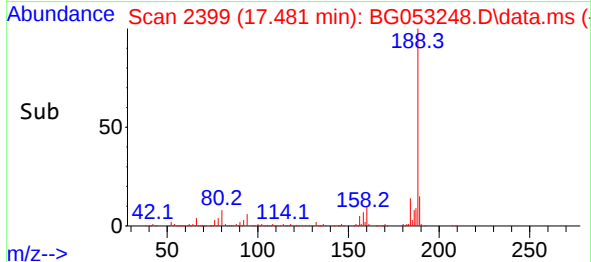
Instrument :
BNA_G
ClientSampleId :
72-11944



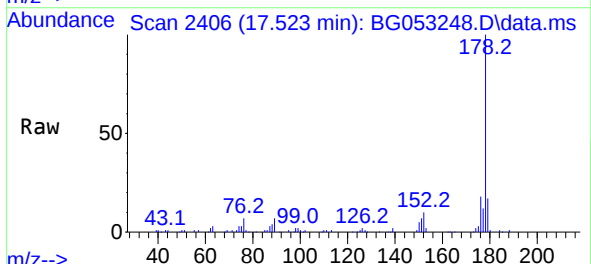
Tgt Ion:188 Resp: 222614
Ion Ratio Lower Upper
188 100
94 6.5 5.7 8.5
80 8.1 7.2 10.8

Manual Integrations
APPROVED

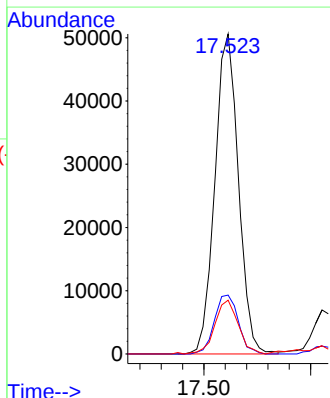
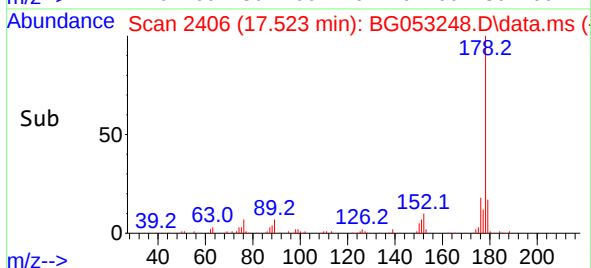
Reviewed By :Christian Giraldo 04/22/2022
Supervised By :Jagrut Upadhyay 04/22/2022

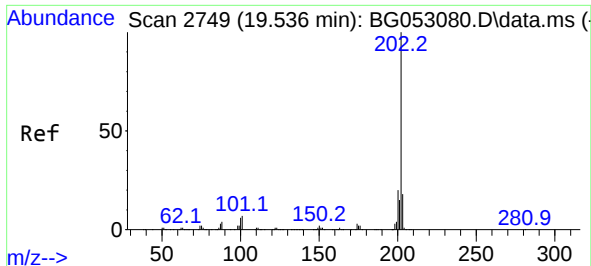


#71
Phenanthrene
Concen: 6.368 ng
RT: 17.523 min Scan# 2406
Delta R.T. -0.010 min
Lab File: BG053248.D
Acq: 21 Apr 2022 19:28



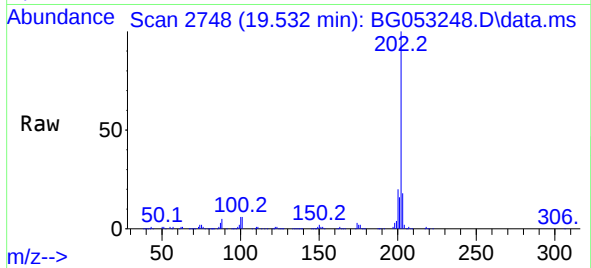
Tgt Ion:178 Resp: 77434
Ion Ratio Lower Upper
178 100
176 18.4 15.9 23.9
179 16.8 13.4 20.2





#75
Fluoranthene
Concen: 13.272 ng
RT: 19.532 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG053248.D
Acq: 21 Apr 2022 19:28

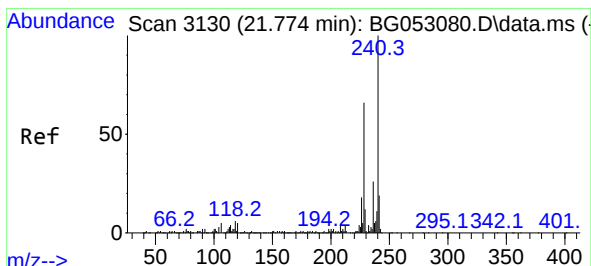
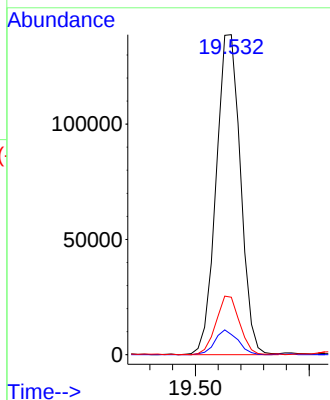
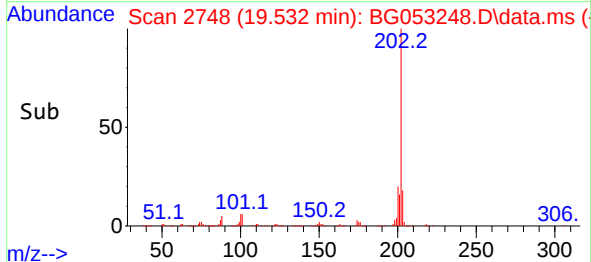
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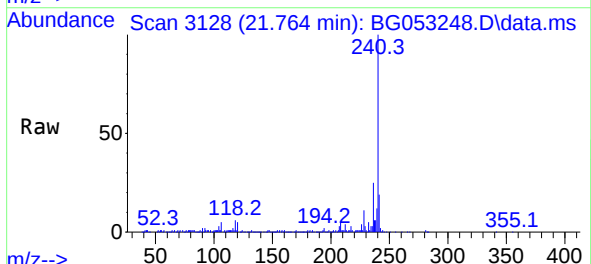
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Ion Ratio Lower Upper
202 100
101 6.3 0.0 27.3
203 18.0 0.0 37.7

Manual Integrations
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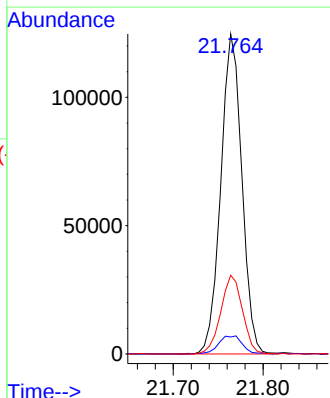
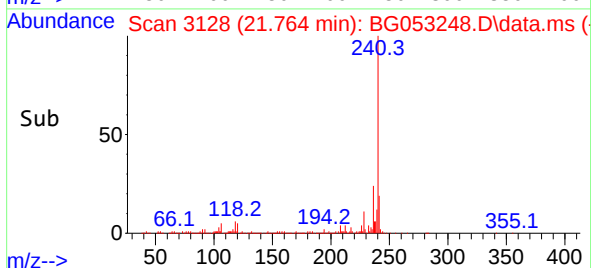
Reviewed By :Christian Giraldo 04/22/2022
Supervised By :Jagrut Upadhyay 04/22/2022

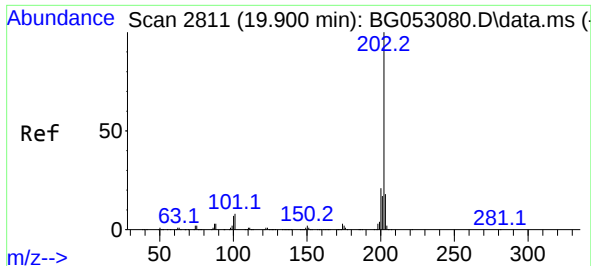


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.764 min Scan# 3128
Delta R.T. -0.010 min
Lab File: BG053248.D
Acq: 21 Apr 2022 19:28



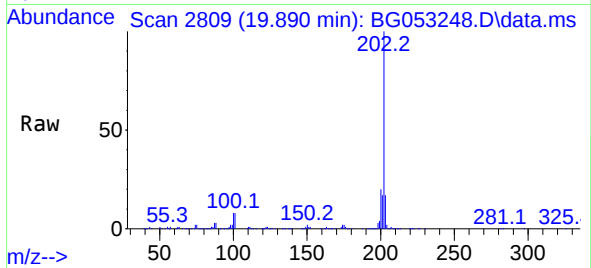
Tgt Ion:240 Resp: 202944
Ion Ratio Lower Upper
240 100
120 5.3 5.4 8.0#
236 24.6 19.8 29.6





#78
Pyrene
Concen: 13.798 ng
RT: 19.890 min Scan# 21
Delta R.T. -0.010 min
Lab File: BG053248.D
Acq: 21 Apr 2022 19:28

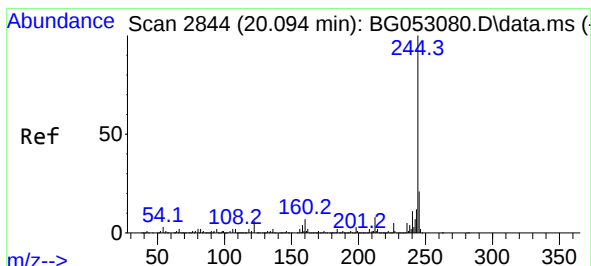
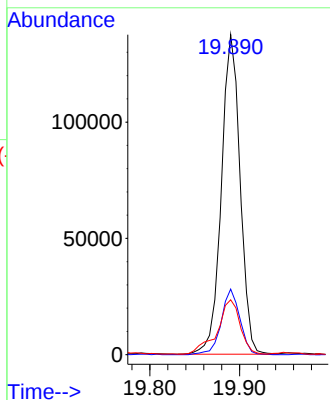
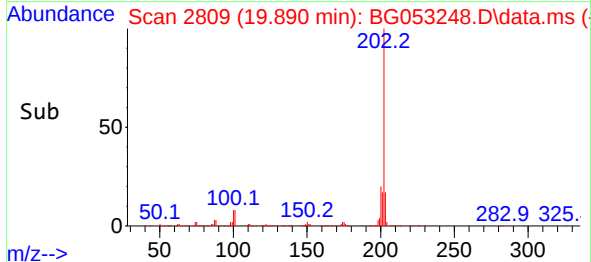
Instrument :
BNA_G
ClientSampleId :
72-11944



Tgt Ion:202 Resp: 199430
Ion Ratio Lower Upper
202 100
200 20.5 17.0 25.6
203 17.1 15.0 22.6

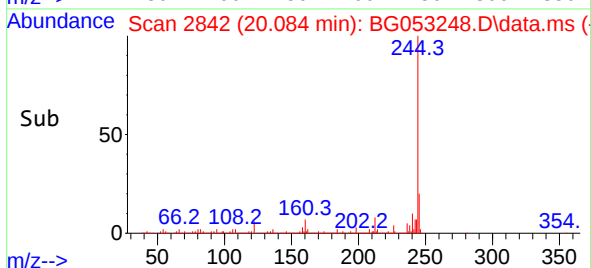
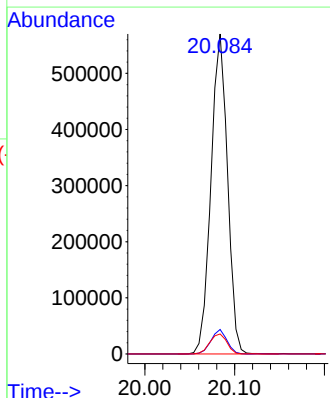
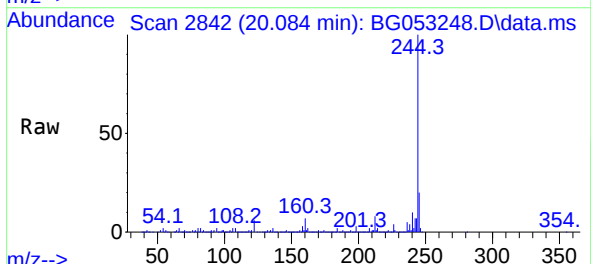
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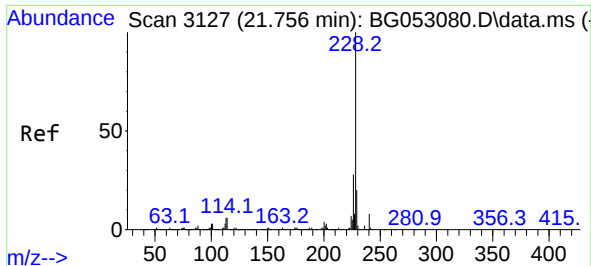
Reviewed By :Christian Giraldo 04/22/2022
Supervised By :Jagrut Upadhyay 04/22/2022



#79
Terphenyl-d14
Concen: 60.672 ng
RT: 20.084 min Scan# 2842
Delta R.T. -0.010 min
Lab File: BG053248.D
Acq: 21 Apr 2022 19:28

Tgt Ion:244 Resp: 729055
Ion Ratio Lower Upper
244 100
212 7.6 5.4 8.2
122 6.3 5.8 8.6





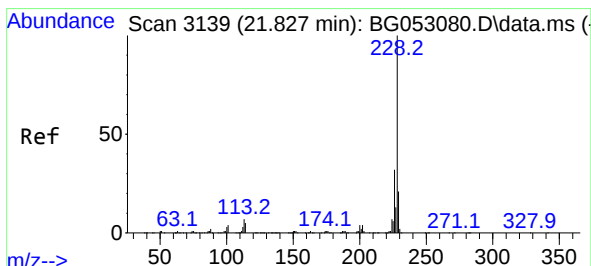
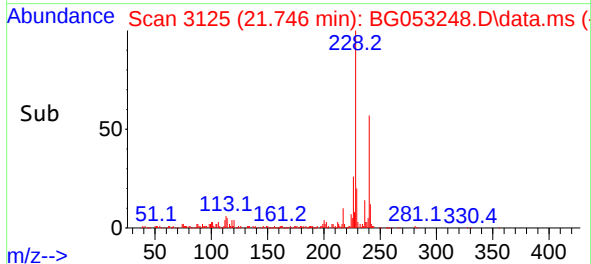
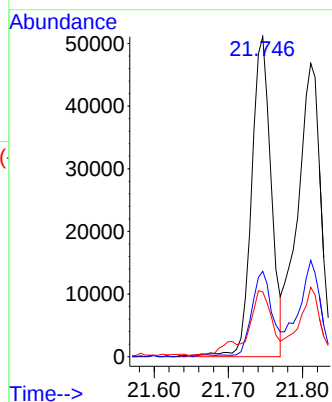
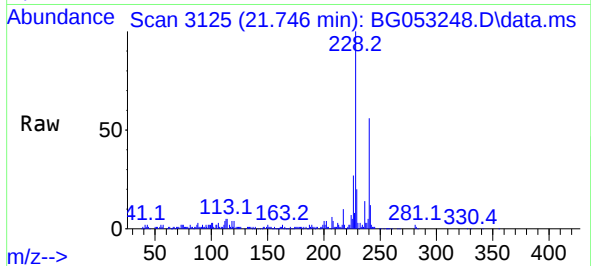
#81
Benzo(a)anthracene
Concen: 6.747 ng
RT: 21.746 min Scan# 3125
Delta R.T. -0.010 min
Lab File: BG053248.D
Acq: 21 Apr 2022 19:28

Instrument :
BNA_G
ClientSampleId :
72-11944

Tgt Ion:228 Resp: 9362
Ion Ratio Lower Upper
228 100
226 26.7 21.4 32.0
229 20.3 16.7 25.1

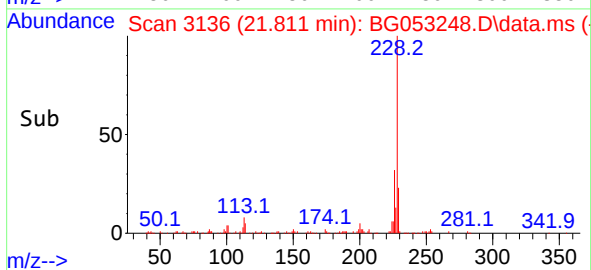
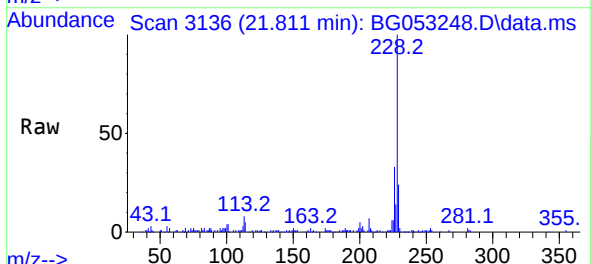
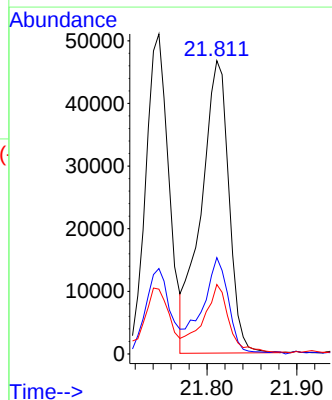
Manual Integrations
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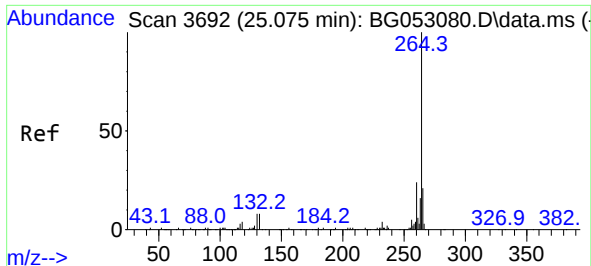
Reviewed By :Christian Giraldo 04/22/2022
Supervised By :Jagrut Upadhyay 04/22/2022



#83
Chrysene
Concen: 7.821 ng
RT: 21.811 min Scan# 3136
Delta R.T. -0.016 min
Lab File: BG053248.D
Acq: 21 Apr 2022 19:28

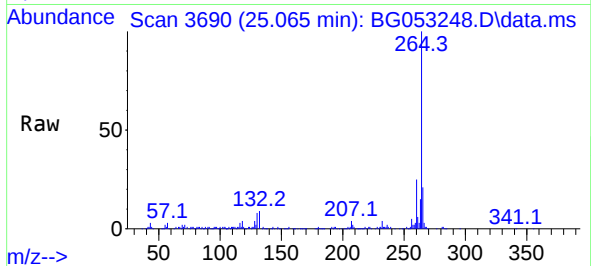
Tgt Ion:228 Resp: 100721
Ion Ratio Lower Upper
228 100
226 32.8 24.2 36.4
229 23.7 16.3 24.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.065 min Scan# 30
Delta R.T. -0.010 min
Lab File: BG053248.D
Acq: 21 Apr 2022 19:28

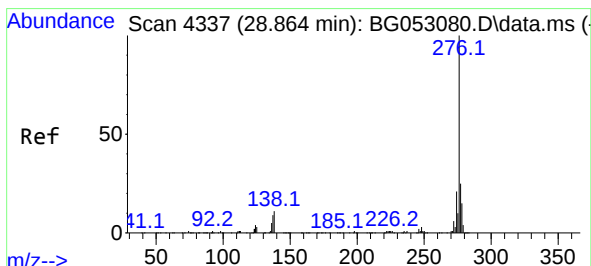
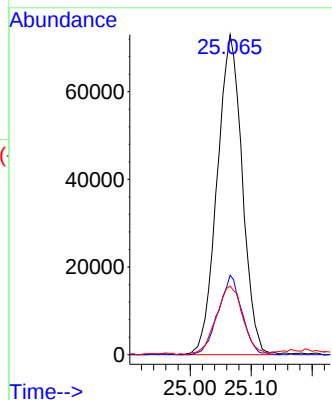
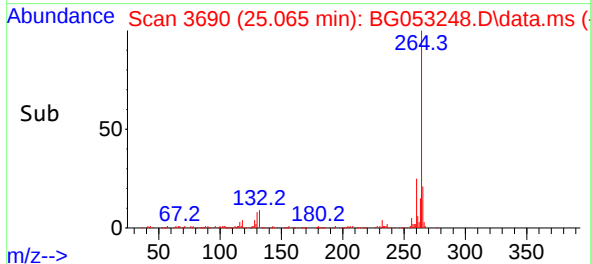
Instrument :
BNA_G
ClientSampleId :
72-11944



Tgt Ion:264 Resp: 208878
Ion Ratio Lower Upper
264 100
260 24.9 18.2 27.2
265 21.5 15.1 22.7

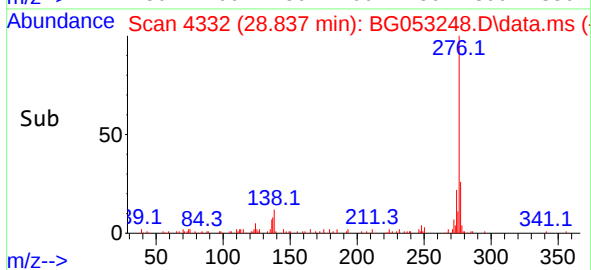
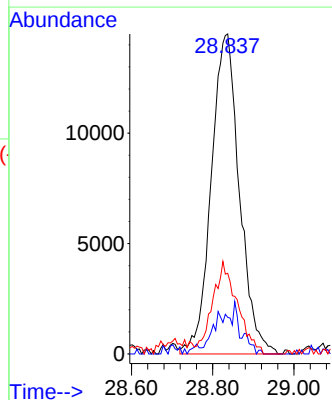
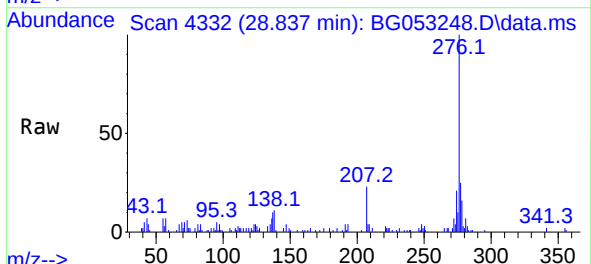
Manual Integrations
APPROVED

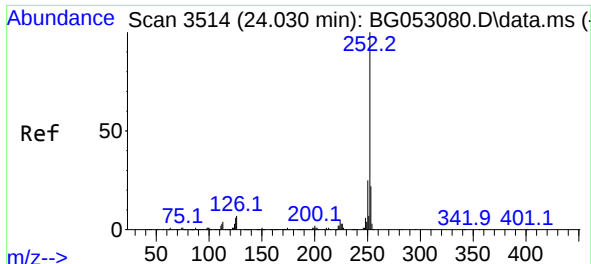
Reviewed By :Christian Giraldo 04/22/2022
Supervised By :Jagrut Upadhyay 04/22/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.498 ng
RT: 28.837 min Scan# 4332
Delta R.T. -0.028 min
Lab File: BG053248.D
Acq: 21 Apr 2022 19:28

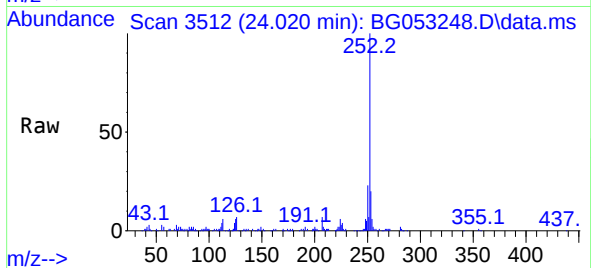
Tgt Ion:276 Resp: 69803
Ion Ratio Lower Upper
276 100
138 0.0 8.7 13.1#
277 25.7 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 10.543 ng
RT: 24.020 min Scan# 3512
Delta R.T. -0.010 min
Lab File: BG053248.D
Acq: 21 Apr 2022 19:28

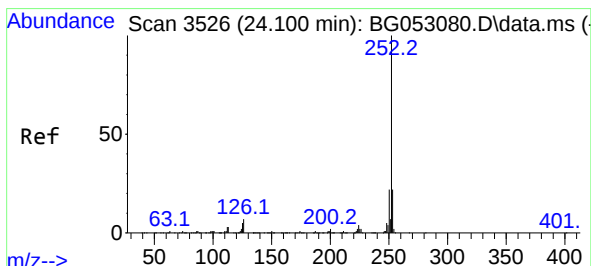
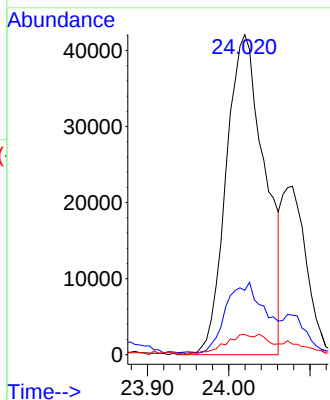
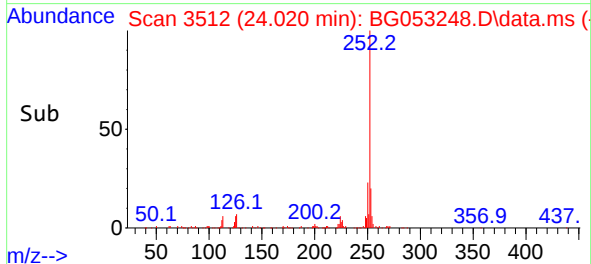
Instrument :
BNA_G
ClientSampleId :
72-11944



Tgt Ion:252 Resp: 138940
Ion Ratio Lower Upper
252 100
253 20.1 17.2 25.8
125 6.3 5.2 7.8

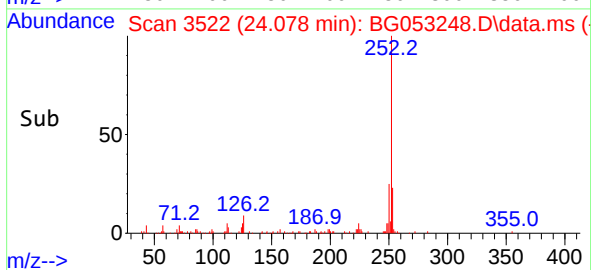
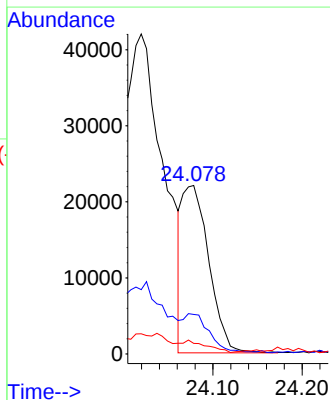
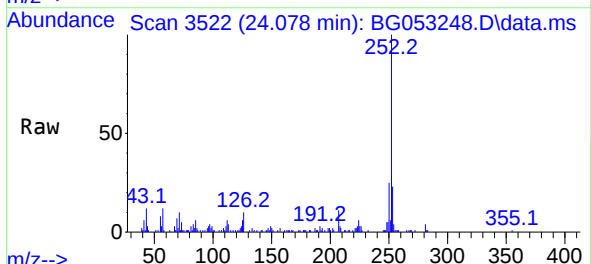
Manual Integrations
APPROVED

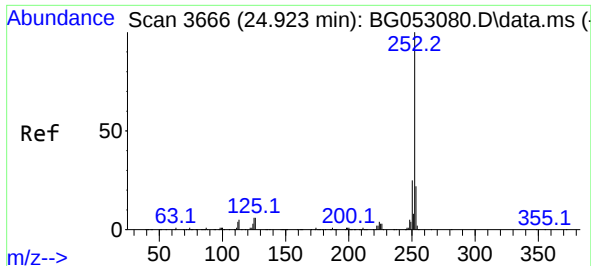
Reviewed By :Christian Giraldo 04/22/2022
Supervised By :Jagrut Upadhyay 04/22/2022



#89
Benzo(k)fluoranthene
Concen: 3.541 ng m
RT: 24.078 min Scan# 3522
Delta R.T. -0.022 min
Lab File: BG053248.D
Acq: 21 Apr 2022 19:28

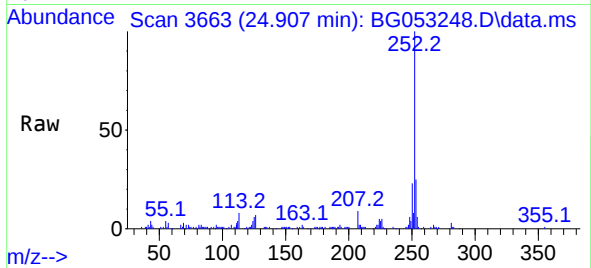
Tgt Ion:252 Resp: 45860
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.0
125 6.3 5.0 7.4





#90
Benzo(a)pyrene
Concen: 8.044 ng
RT: 24.907 min Scan# 30
Delta R.T. -0.016 min
Lab File: BG053248.D
Acq: 21 Apr 2022 19:28

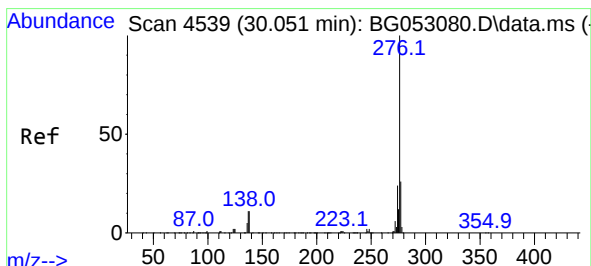
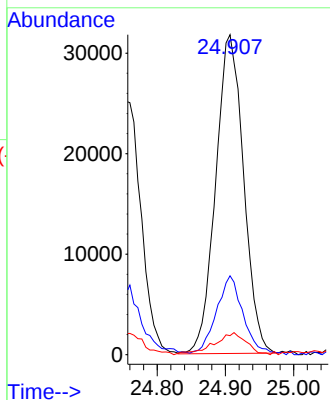
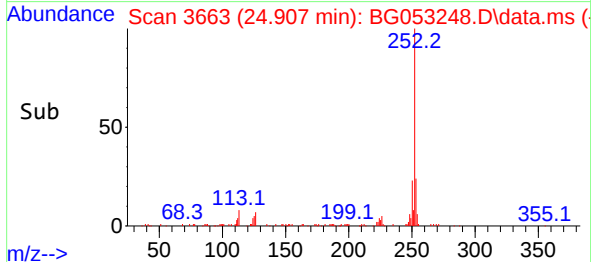
Instrument :
BNA_G
ClientSampleId :
72-11944



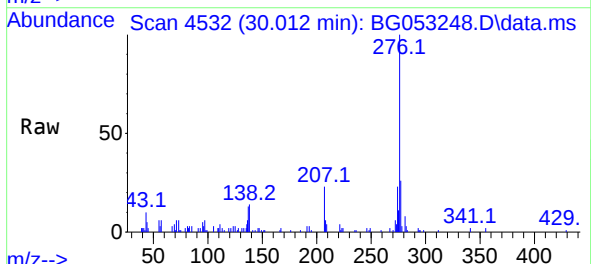
Tgt Ion:252 Resp: 90310
Ion Ratio Lower Upper
252 100
253 24.7 18.4 27.6
125 5.9 5.6 8.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/22/2022
Supervised By :Jagrut Upadhyay 04/22/2022



#92
Benzo(g,h,i)perylene
Concen: 5.424 ng
RT: 30.012 min Scan# 4532
Delta R.T. -0.039 min
Lab File: BG053248.D
Acq: 21 Apr 2022 19:28



Tgt Ion:276 Resp: 68280
Ion Ratio Lower Upper
276 100
277 26.3 18.2 27.2
138 13.8 9.1 13.7#

