

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040522\
 Data File : BG053048.D
 Acq On : 6 Apr 2022 1:41
 Operator : CG/JU
 Sample : N2257-11 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-6

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/06/2022
 Supervised By : Jagrut Upadhyay 04/06/2022

Quant Time: Apr 06 04:16:29 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 05 14:24:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.134	152	47831	20.000	ng	-0.01
21) Naphthalene-d8	10.942	136	191541	20.000	ng	-0.02
39) Acenaphthene-d10	14.748	164	131122	20.000	ng	-0.02
64) Phenanthrene-d10	17.492	188	269275	20.000	ng	-0.01
76) Chrysene-d12	21.780	240	231767	20.000	ng	-0.02
86) Perylene-d12	25.087	264	250330	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.690	112	51536	18.764	ng	0.00
7) Phenol-d6	7.282	99	77671	18.758	ng	0.00
23) Nitrobenzene-d5	9.291	82	59254	15.527	ng	-0.01
42) 2,4,6-Tribromophenol	16.235	330	33471	18.997	ng	-0.01
45) 2-Fluorobiphenyl	13.374	172	118125	13.287	ng	-0.02
79) Terphenyl-d14	20.094	244	151953	11.663	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	17.533	178	352608	24.477	ng	97
72) Anthracene	17.627	178	80931	5.683	ng	100
75) Fluoranthene	19.542	202	763909	41.776	ng	98
78) Pyrene	19.906	202	714185	44.423	ng	99
81) Benzo(a)anthracene	21.762	228	371136	23.914	ng	96
83) Chrysene	21.827	228	339587m	23.275	ng	
87) Indeno(1,2,3-cd)pyrene	28.864	276	213401	12.455	ng	# 75
88) Benzo(b)fluoranthene	24.036	252	483585	31.112	ng	99
89) Benzo(k)fluoranthene	24.094	252	161818m	10.582	ng	
90) Benzo(a)pyrene	24.929	252	366317	27.842	ng	99
91) Dibenzo(a,h)anthracene	28.929	278	47651m	3.375	ng	
92) Benzo(g,h,i)perylene	30.057	276	201093	14.395	ng	98

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

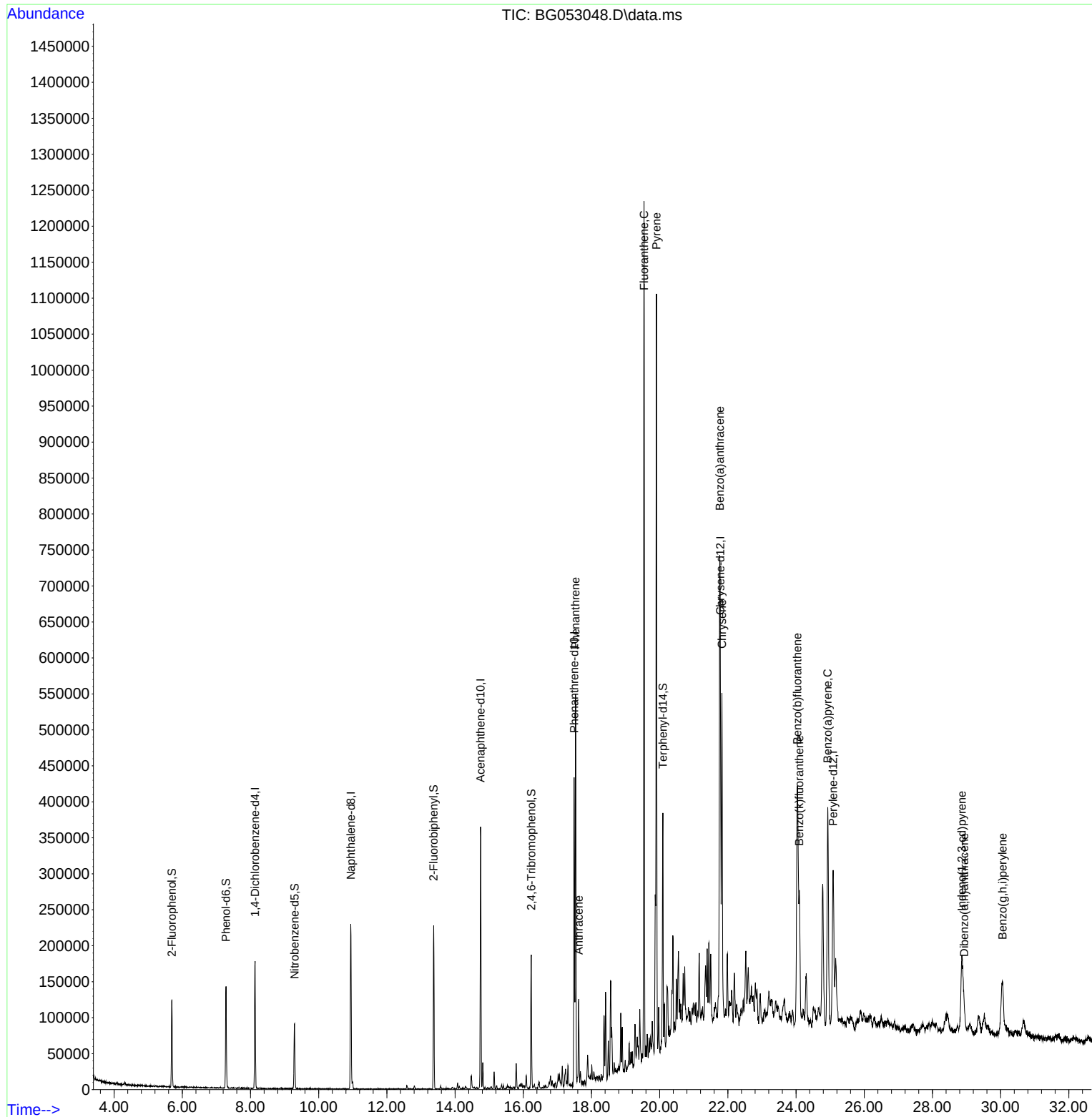
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040522\
Data File : BG053048.D
Acq On : 6 Apr 2022 1:41
Operator : CG/JU
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ALS Vial : 16 Sample Multiplier: 1

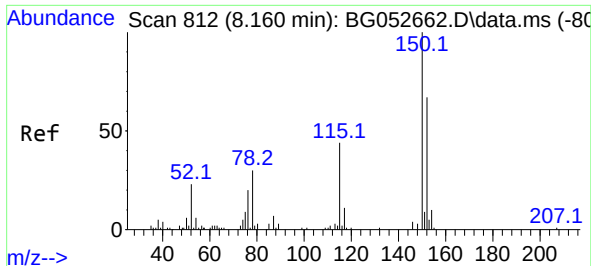
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Quant Time: Apr 06 04:16:29 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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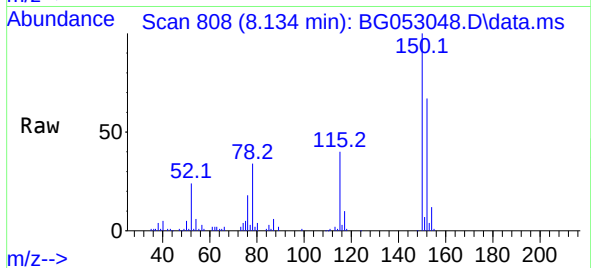
Reviewed By : Christian Giraldo 04/06/2022
Supervised By : Jagrut Upadhyay 04/06/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.134 min Scan# 808
Delta R.T. -0.012 min
Lab File: BG053048.D
Acq: 6 Apr 2022 1:41

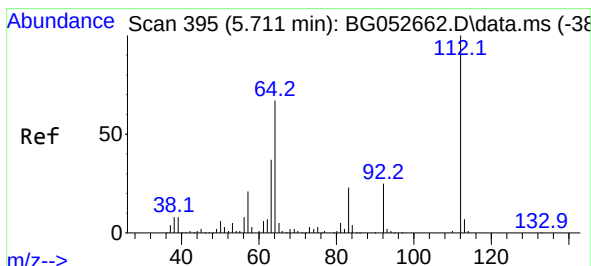
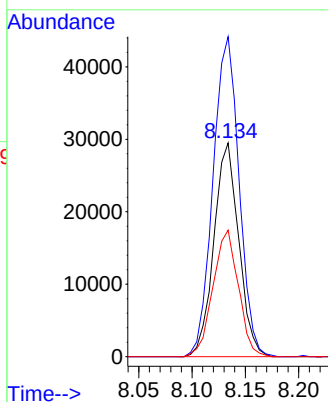
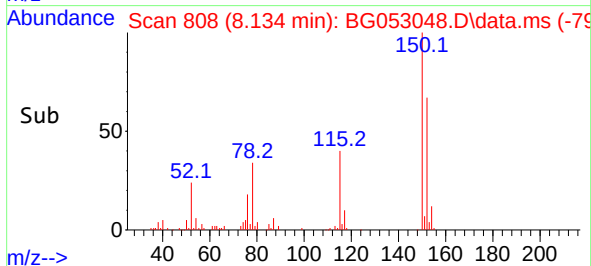
Instrument :
BNA_G
ClientSampleId :
TP-6



Tgt Ion:152 Resp: 4783
Ion Ratio Lower Upper
152 100
150 149.7 114.6 172.0
115 59.2 45.9 68.9

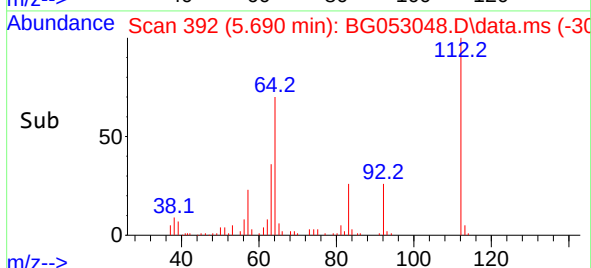
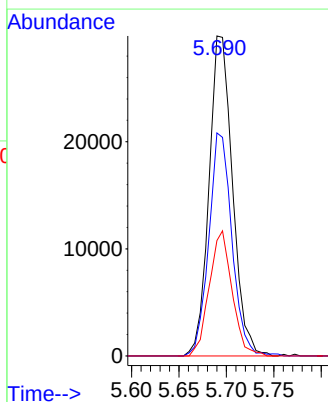
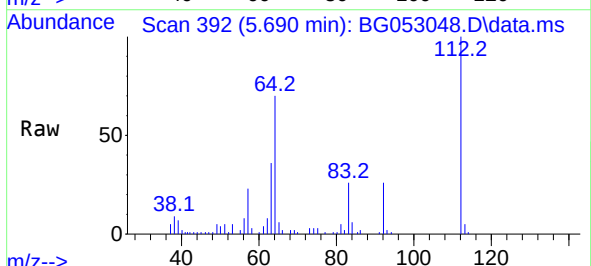
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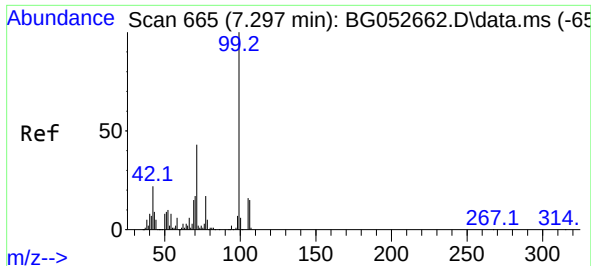
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022



#5
2-Fluorophenol
Concen: 18.764 ng
RT: 5.690 min Scan# 392
Delta R.T. -0.007 min
Lab File: BG053048.D
Acq: 6 Apr 2022 1:41

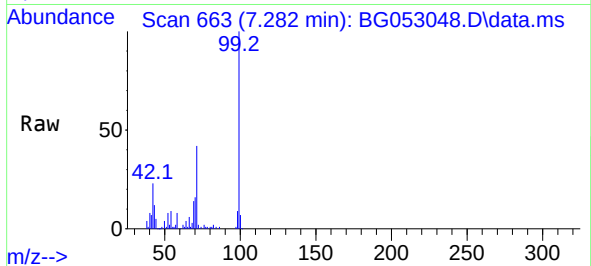
Tgt Ion:112 Resp: 51536
Ion Ratio Lower Upper
112 100
64 69.7 48.0 72.0
63 36.0 26.5 39.7





#7
Phenol-d6
Concen: 18.758 ng
RT: 7.282 min Scan# 60
Delta R.T. -0.007 min
Lab File: BG053048.D
Acq: 6 Apr 2022 1:41

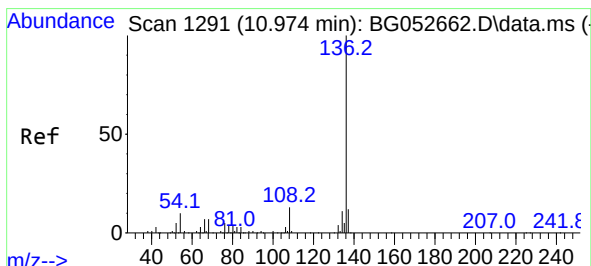
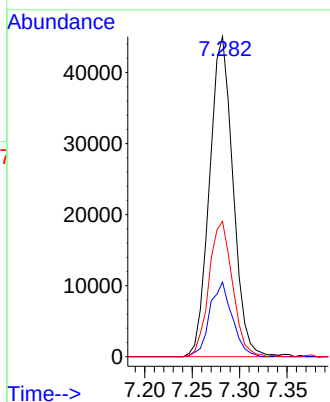
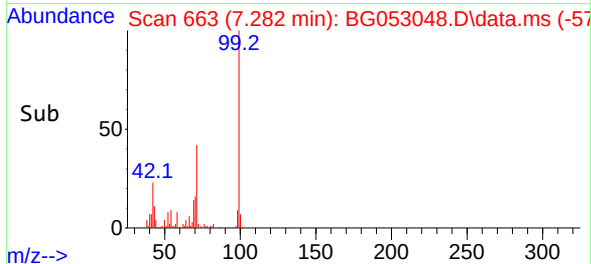
Instrument :
BNA_G
ClientSampleId :
TP-6



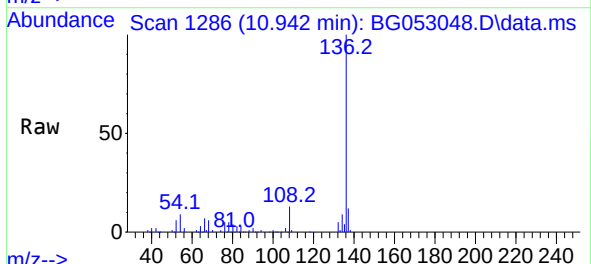
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Ion Ratio Lower Upper
99 100
42 23.3 14.7 22.1
71 42.3 29.2 43.8

Manual Integrations
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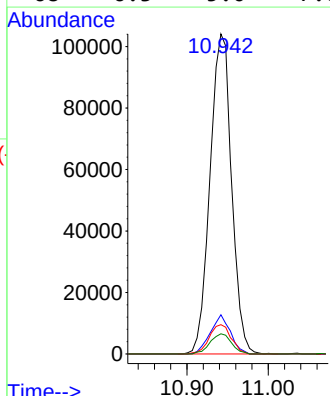
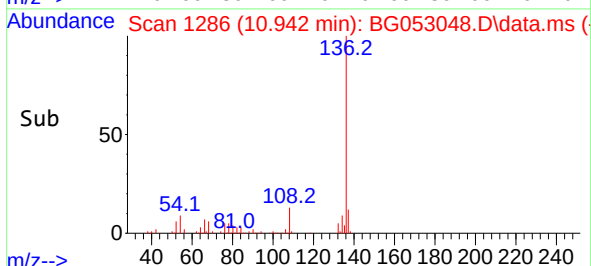
Reviewed By :Christian Giraldo 04/06/2022
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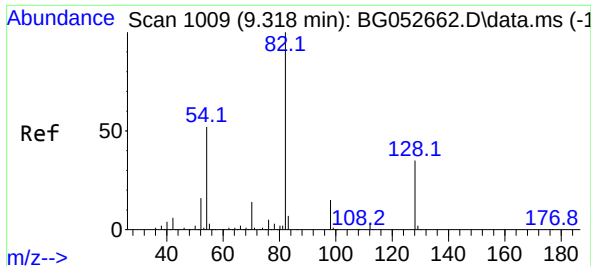


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.942 min Scan# 1286
Delta R.T. -0.018 min
Lab File: BG053048.D
Acq: 6 Apr 2022 1:41



Tgt Ion:136 Resp: 191541
Ion Ratio Lower Upper
136 100
137 12.2 9.4 14.2
54 9.2 6.4 9.6
68 6.3 5.0 7.6





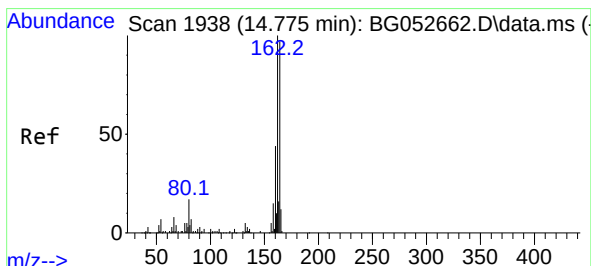
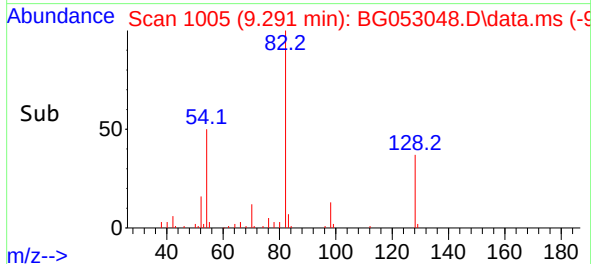
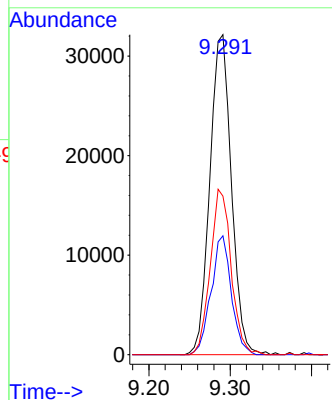
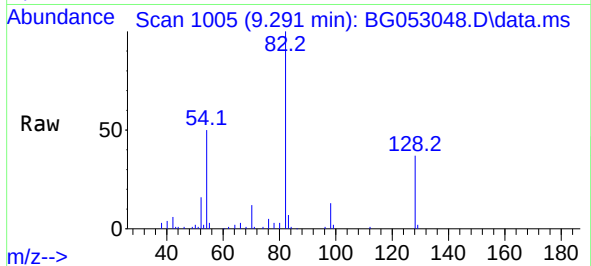
#23
Nitrobenzene-d5
Concen: 15.527 ng
RT: 9.291 min Scan# 1005
Delta R.T. -0.012 min
Lab File: BG053048.D
Acq: 6 Apr 2022 1:41

Instrument :
BNA_G
ClientSampleId :
TP-6

Tgt Ion: 82 Resp: 59254
Ion Ratio Lower Upper
82 100
128 37.2 31.3 46.9
54 49.5 37.8 56.8

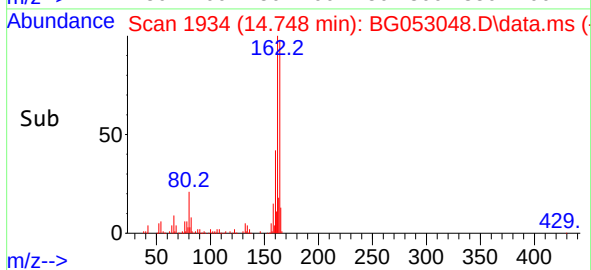
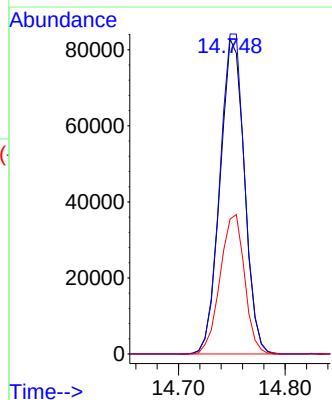
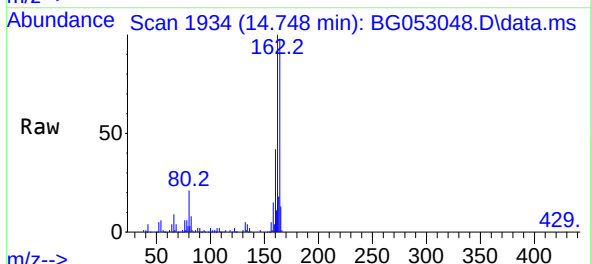
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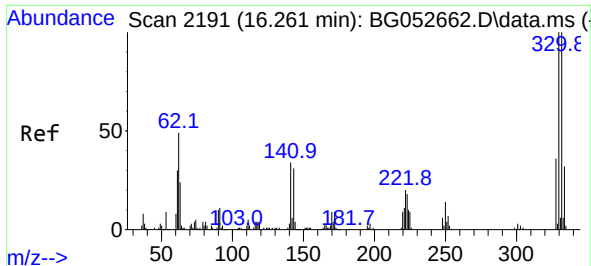
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.748 min Scan# 1934
Delta R.T. -0.018 min
Lab File: BG053048.D
Acq: 6 Apr 2022 1:41

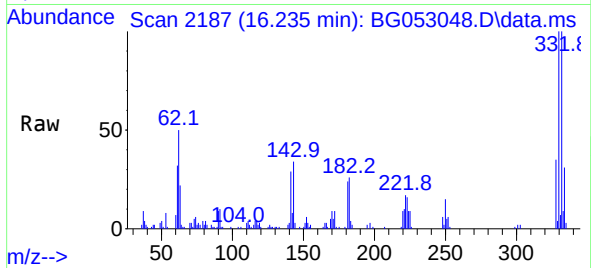
Tgt Ion:164 Resp: 131122
Ion Ratio Lower Upper
164 100
162 101.6 80.0 120.0
160 42.9 38.8 58.2





#42
2,4,6-Tribromophenol
Concen: 18.997 ng
RT: 16.235 min Scan# 2191
Delta R.T. -0.012 min
Lab File: BG053048.D
Acq: 6 Apr 2022 1:41

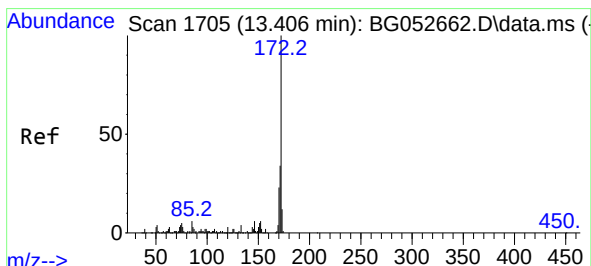
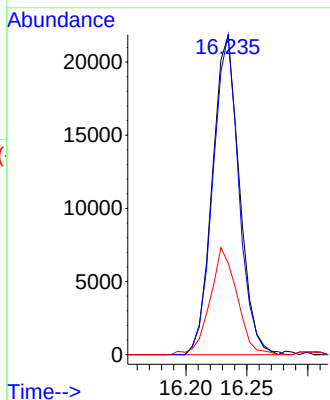
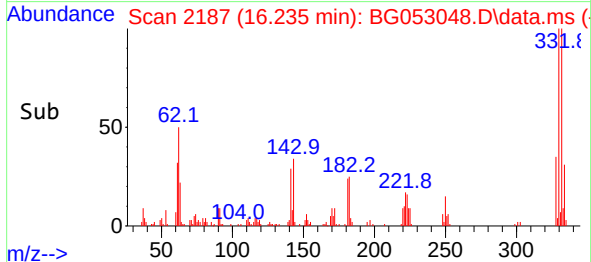
Instrument :
BNA_G
ClientSampleId :
TP-6



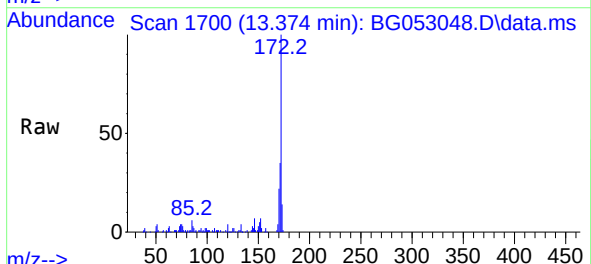
Tgt Ion:330 Resp: 3347
Ion Ratio Lower Upper
330 100
332 96.7 75.8 113.6
141 33.6 24.6 36.8

Manual Integrations
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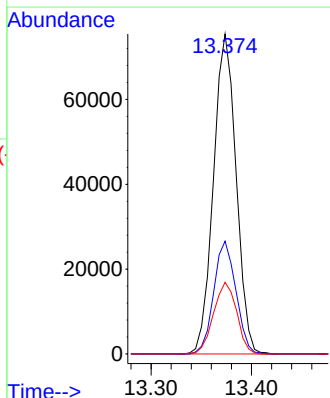
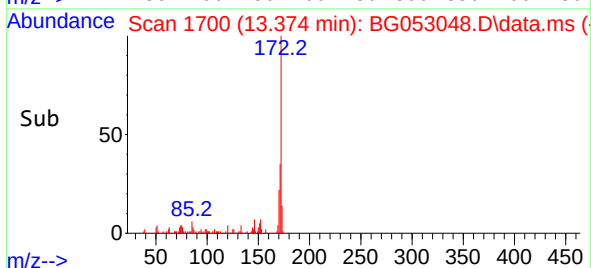
Reviewed By :Christian Giraldo 04/06/2022
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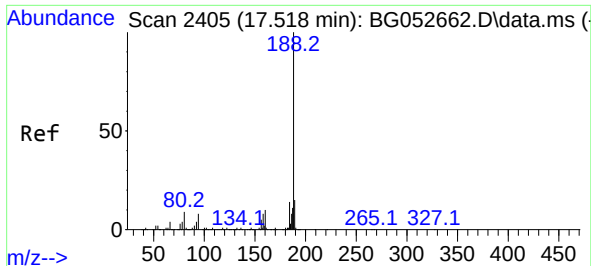


#45
2-Fluorobiphenyl
Concen: 13.287 ng
RT: 13.374 min Scan# 1700
Delta R.T. -0.018 min
Lab File: BG053048.D
Acq: 6 Apr 2022 1:41



Tgt Ion:172 Resp: 118125
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 22.4 18.0 27.0





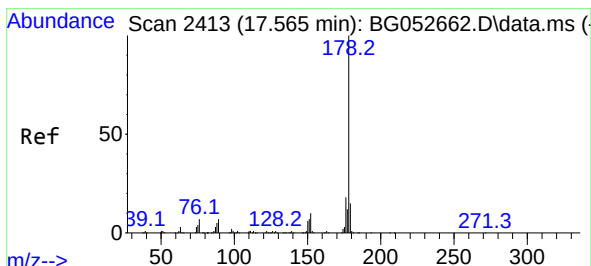
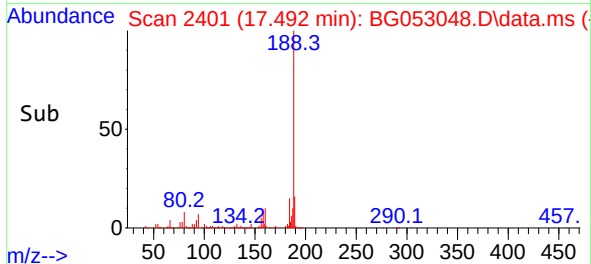
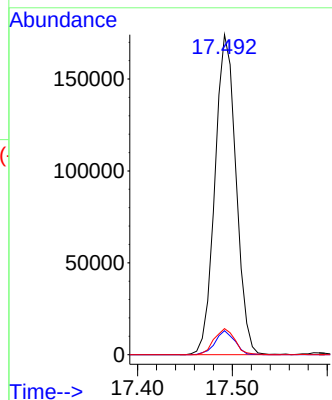
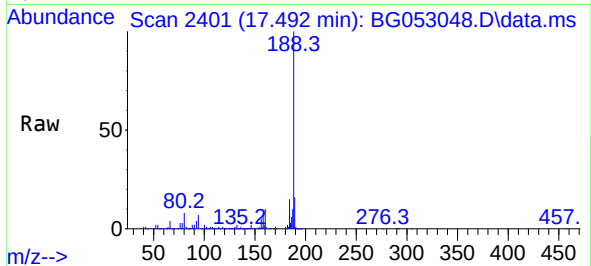
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.492 min Scan# 2401
Delta R.T. -0.012 min
Lab File: BG053048.D
Acq: 6 Apr 2022 1:41

Instrument :
BNA_G
ClientSampleId :
TP-6

Tgt Ion:188 Resp: 26927
Ion Ratio Lower Upper
188 100
94 7.5 5.7 8.5
80 8.1 7.2 10.8

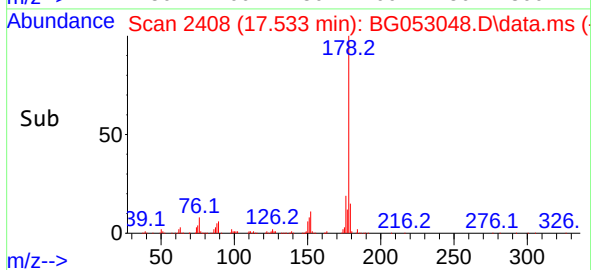
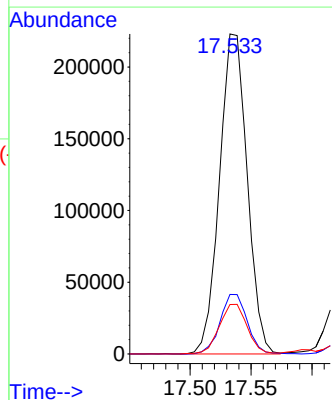
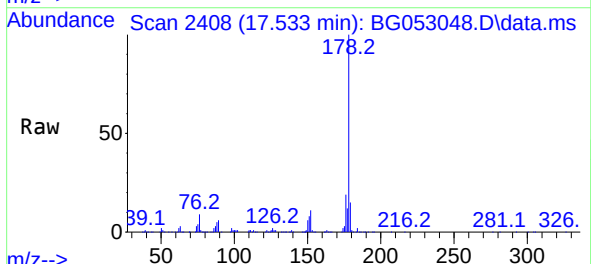
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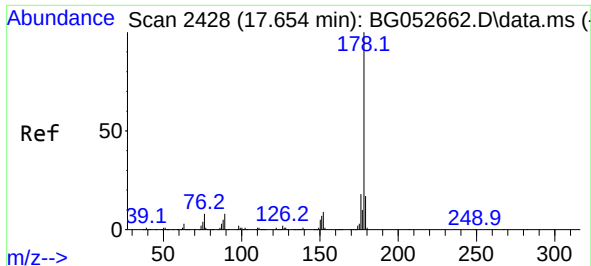
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022



#71
Phenanthrene
Concen: 24.477 ng
RT: 17.533 min Scan# 2408
Delta R.T. -0.018 min
Lab File: BG053048.D
Acq: 6 Apr 2022 1:41

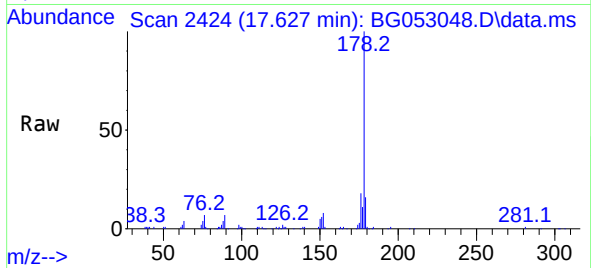
Tgt Ion:178 Resp: 352608
Ion Ratio Lower Upper
178 100
176 18.6 15.9 23.9
179 15.5 13.4 20.2





#72
 Anthracene
 Concen: 5.683 ng
 RT: 17.627 min Scan# 2428
 Delta R.T. -0.012 min
 Lab File: BG053048.D
 Acq: 6 Apr 2022 1:41

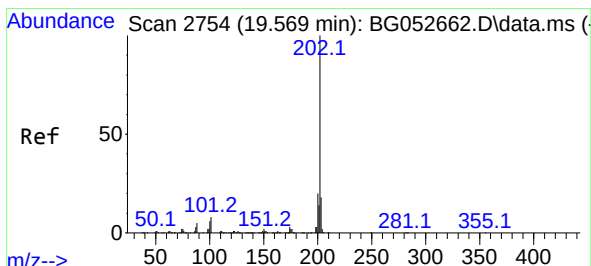
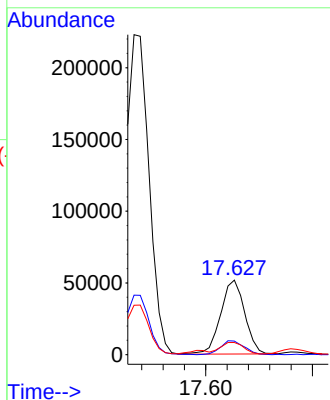
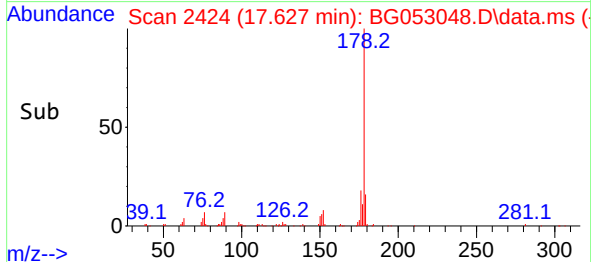
Instrument :
 BNA_G
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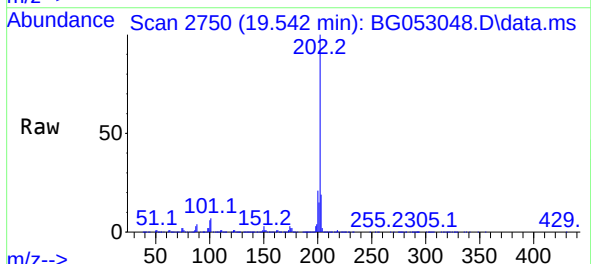
Tgt Ion:178 Resp: 8093
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.7 22.1
 179 16.4 13.2 19.8

Manual Integrations
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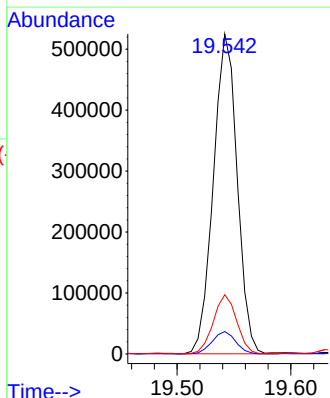
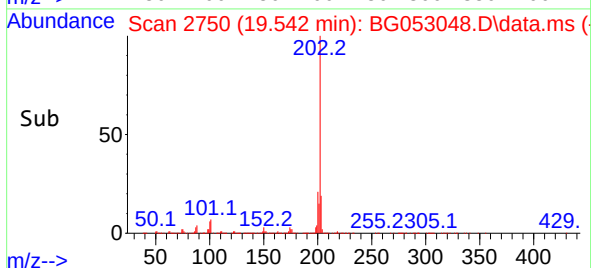
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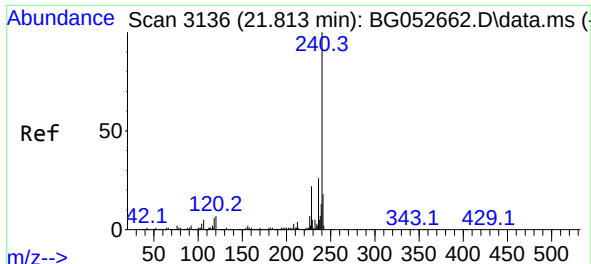


#75
 Fluoranthene
 Concen: 41.776 ng
 RT: 19.542 min Scan# 2750
 Delta R.T. -0.012 min
 Lab File: BG053048.D
 Acq: 6 Apr 2022 1:41



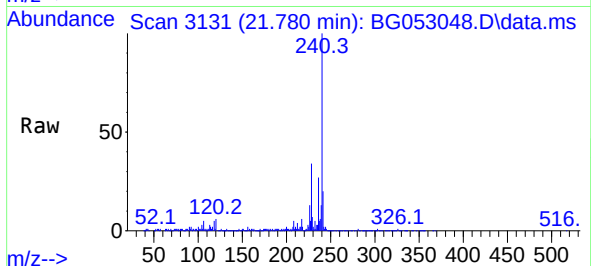
Tgt Ion:202 Resp: 763909
 Ion Ratio Lower Upper
 202 100
 101 7.0 0.0 27.3
 203 18.5 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.780 min Scan# 3136
Delta R.T. -0.018 min
Lab File: BG053048.D
Acq: 6 Apr 2022 1:41

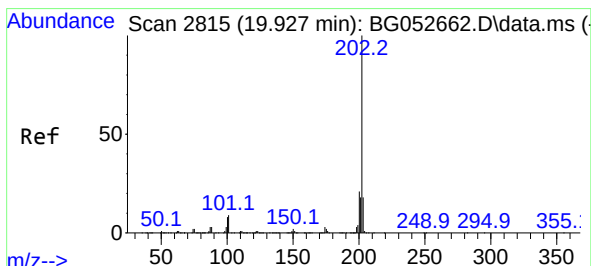
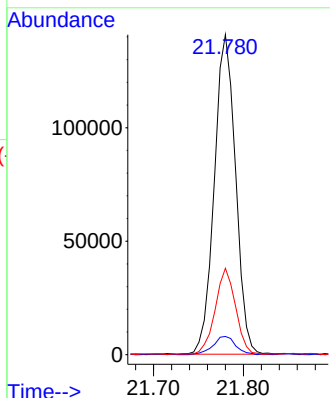
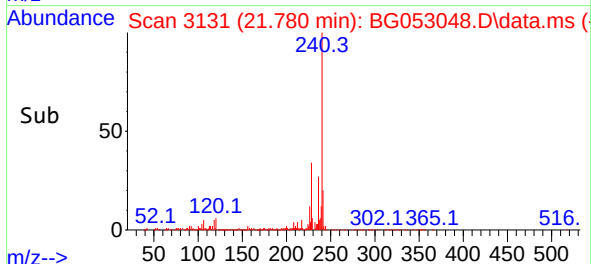
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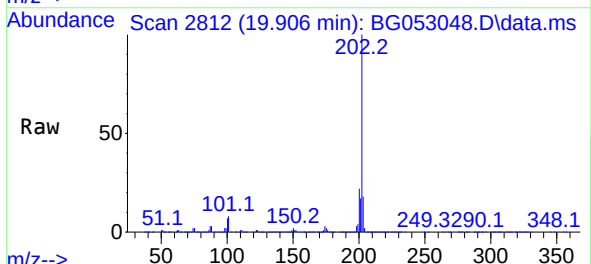
Tgt Ion:240 Resp: 23176
Ion Ratio Lower Upper
240 100
120 5.7 5.4 8.0
236 27.0 19.8 29.6

Manual Integrations
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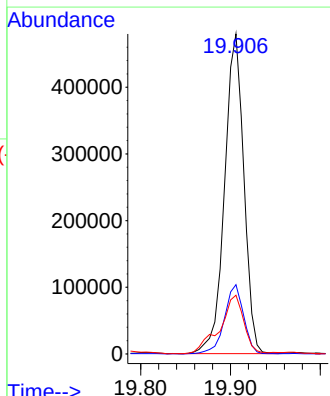
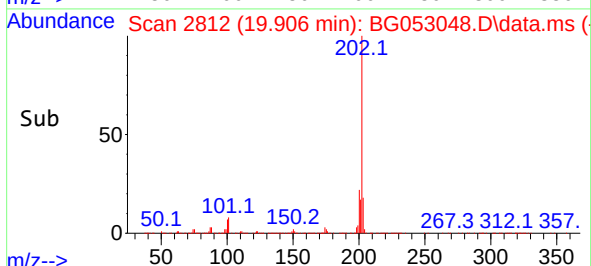
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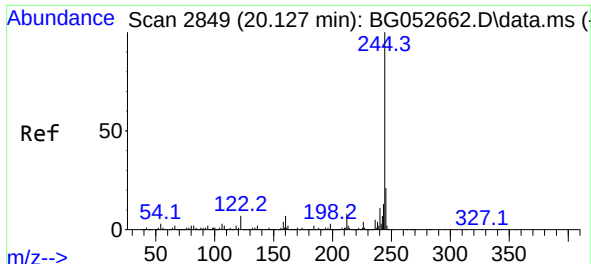


#78
Pyrene
Concen: 44.423 ng
RT: 19.906 min Scan# 2812
Delta R.T. -0.012 min
Lab File: BG053048.D
Acq: 6 Apr 2022 1:41



Tgt Ion:202 Resp: 714185
Ion Ratio Lower Upper
202 100
200 21.6 17.0 25.6
203 18.3 15.0 22.6





#79
 Terphenyl-d14
 Concen: 11.663 ng
 RT: 20.094 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BG053048.D
 Acq: 6 Apr 2022 1:41

Instrument :

BNA_G

ClientSampleId :

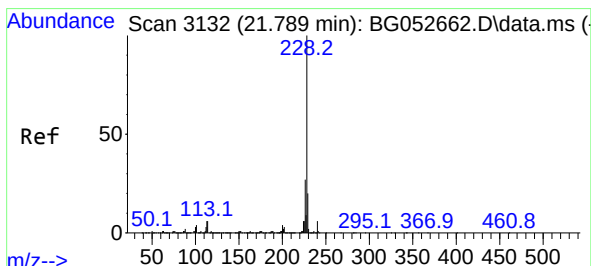
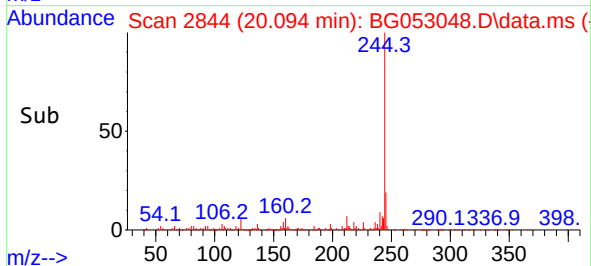
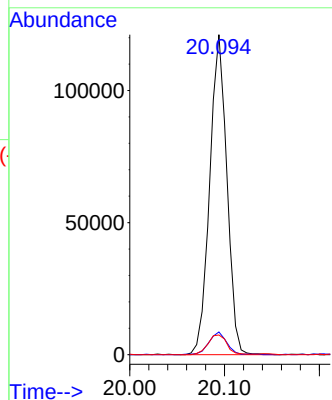
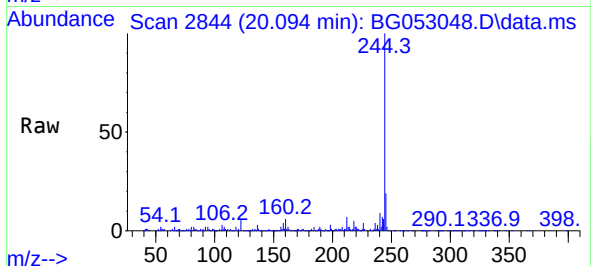
TP-6

Tgt Ion:244 Resp: 15195
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.2
 122 6.2 5.8 8.6

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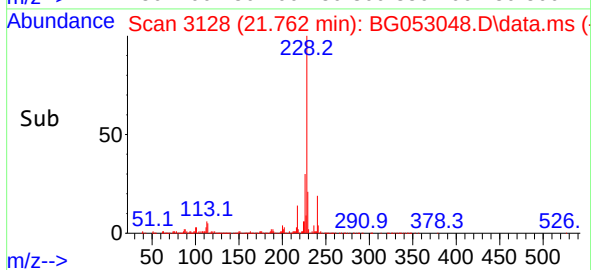
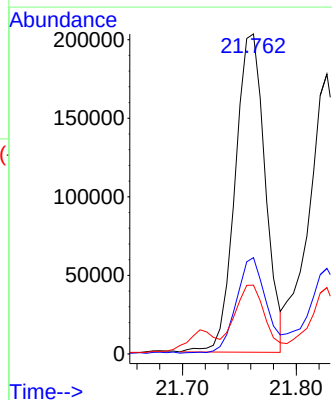
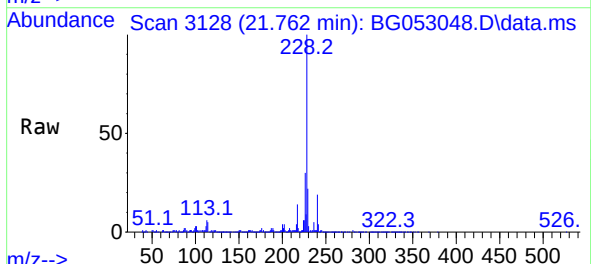
APPROVED

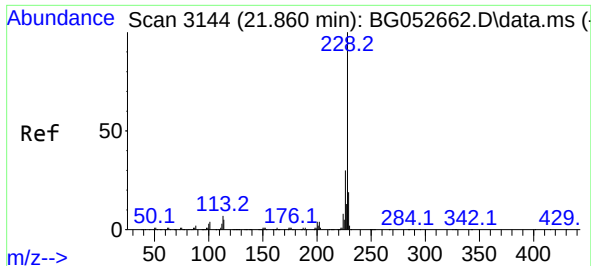
Reviewed By :Christian Giraldo 04/06/2022
 Supervised By :Jagrut Upadhyay 04/06/2022



#81
 Benzo(a)anthracene
 Concen: 23.914 ng
 RT: 21.762 min Scan# 3128
 Delta R.T. -0.012 min
 Lab File: BG053048.D
 Acq: 6 Apr 2022 1:41

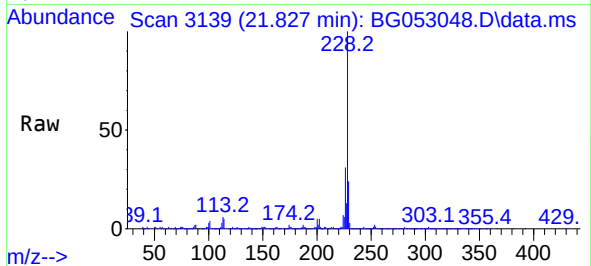
Tgt Ion:228 Resp: 371136
 Ion Ratio Lower Upper
 228 100
 226 30.1 21.4 32.0
 229 21.5 16.7 25.1





#83
Chrysene
Concen: 23.275 ng m
RT: 21.827 min Scan# 3144
Delta R.T. -0.018 min
Lab File: BG053048.D
Acq: 6 Apr 2022 1:41

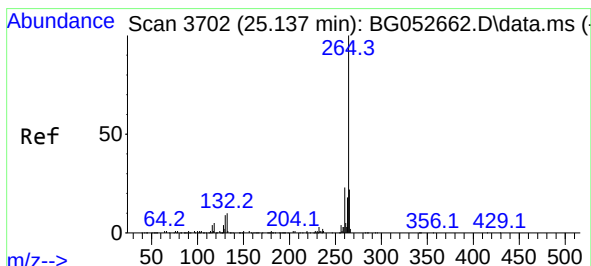
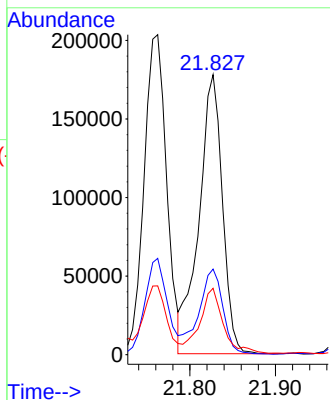
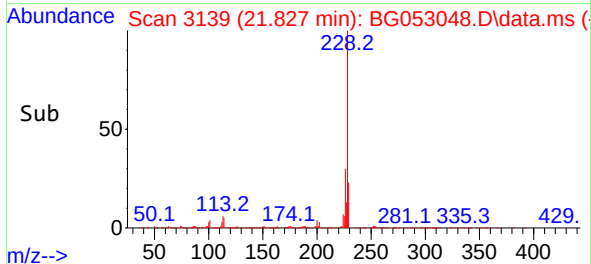
Instrument :
BNA_G
ClientSampleId :
TP-6



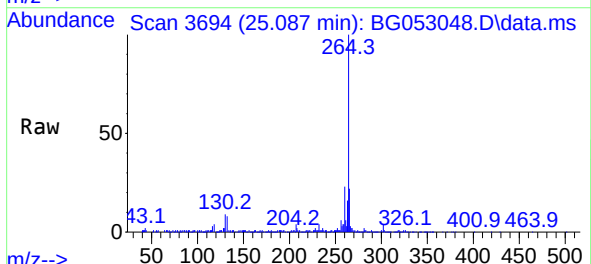
Tgt Ion:228 Resp: 33958
Ion Ratio Lower Upper
228 100
226 30.6 24.2 36.4
229 23.7 16.3 24.5

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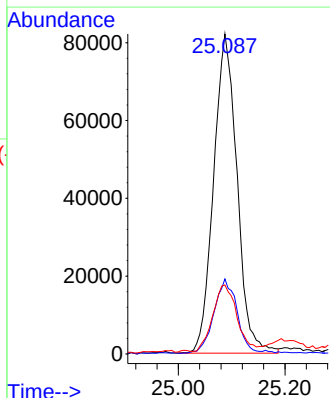
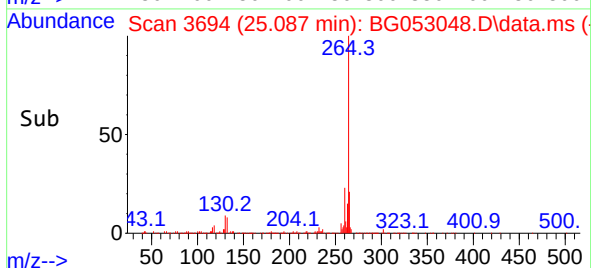
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022

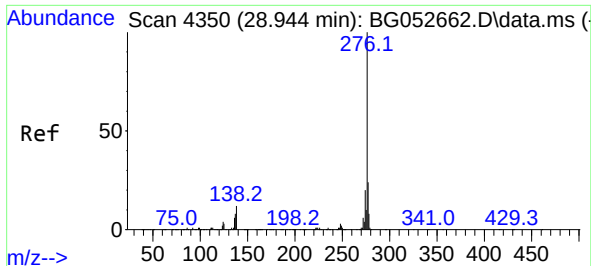


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.087 min Scan# 3694
Delta R.T. -0.024 min
Lab File: BG053048.D
Acq: 6 Apr 2022 1:41



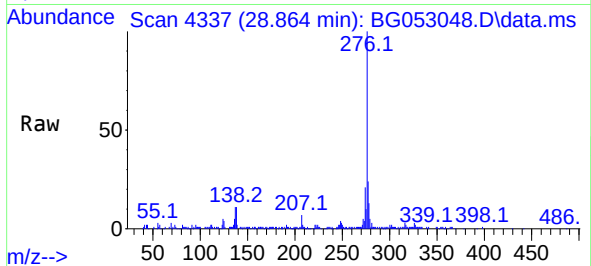
Tgt Ion:264 Resp: 250330
Ion Ratio Lower Upper
264 100
260 23.4 18.2 27.2
265 21.5 15.1 22.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 12.455 ng
RT: 28.864 min Scan# 41
Delta R.T. -0.036 min
Lab File: BG053048.D
Acq: 6 Apr 2022 1:41

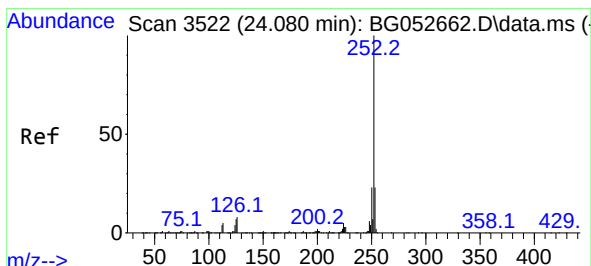
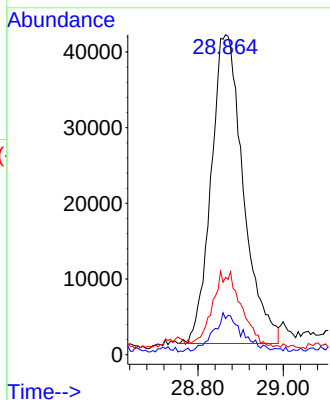
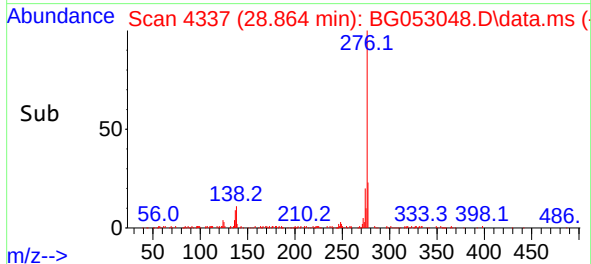
Instrument :
BNA_G
ClientSampleId :
TP-6



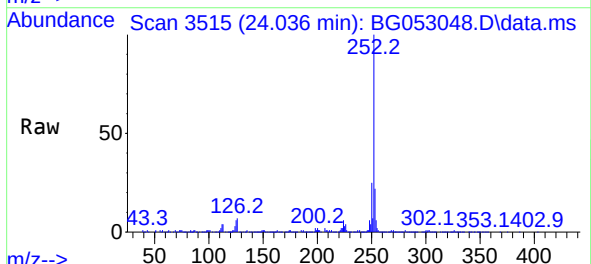
Tgt Ion:276 Resp: 21340
Ion Ratio Lower Upper
276 100
138 10.3 8.7 13.1
277 7.8 20.2 30.4

Manual Integrations
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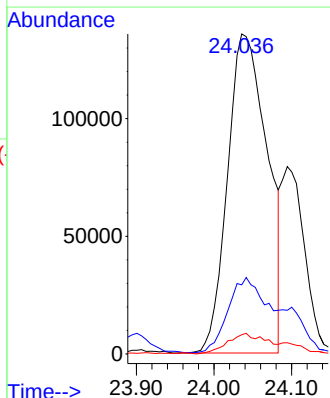
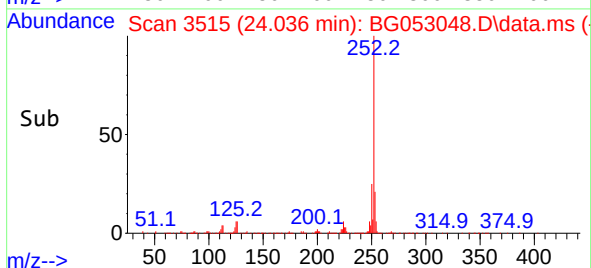
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022

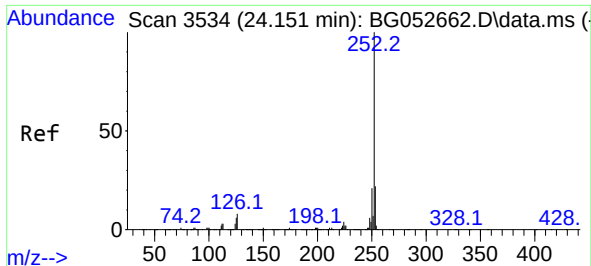


#88
Benzo(b)fluoranthene
Concen: 31.112 ng
RT: 24.036 min Scan# 3515
Delta R.T. -0.018 min
Lab File: BG053048.D
Acq: 6 Apr 2022 1:41



Tgt Ion:252 Resp: 483585
Ion Ratio Lower Upper
252 100
253 21.6 17.2 25.8
125 6.0 5.2 7.8





#89

Benzo(k)fluoranthene

Concen: 10.582 ng m

RT: 24.094 min Scan# 3

Delta R.T. -0.036 min

Lab File: BG053048.D

Acq: 6 Apr 2022 1:41

Instrument :

BNA_G

ClientSampleId :

TP-6

Tgt Ion:252 Resp: 161818

Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.0

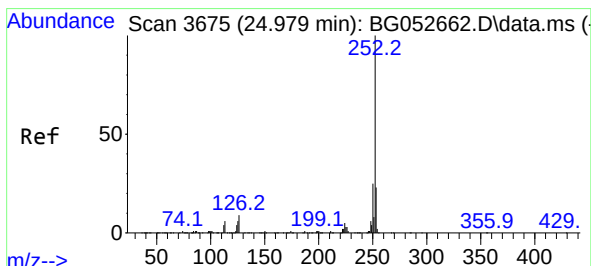
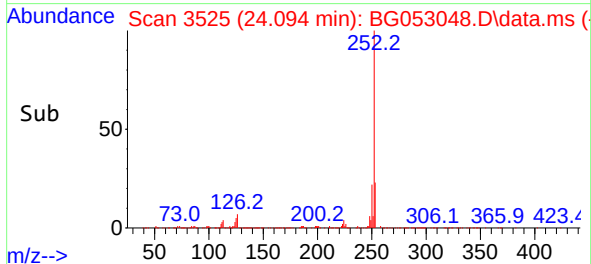
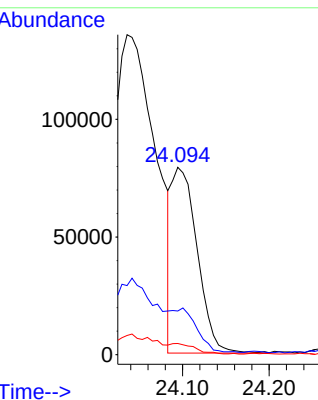
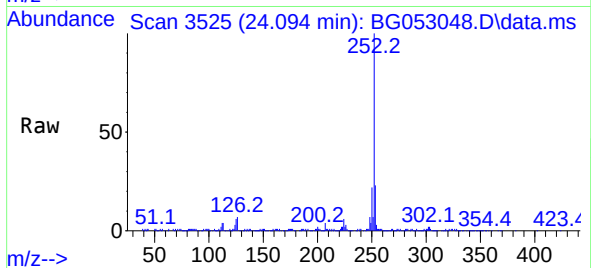
125 6.0 5.0 7.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/06/2022

Supervised By :Jagrut Upadhyay 04/06/2022



#90

Benzo(a)pyrene

Concen: 27.842 ng

RT: 24.929 min Scan# 3667

Delta R.T. -0.024 min

Lab File: BG053048.D

Acq: 6 Apr 2022 1:41

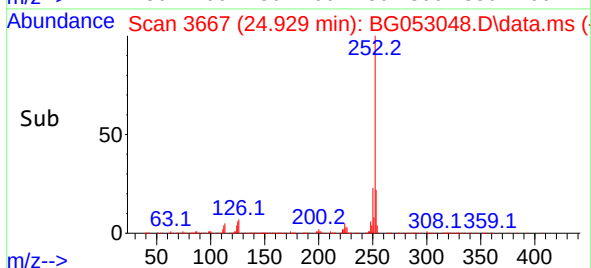
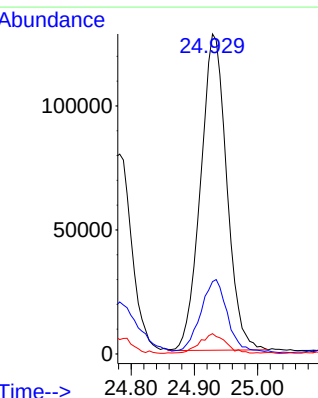
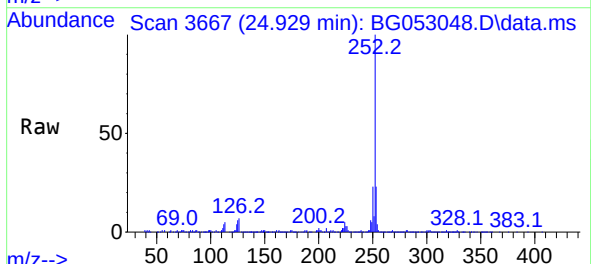
Tgt Ion:252 Resp: 366317

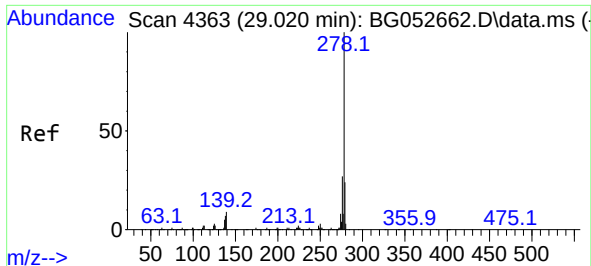
Ion Ratio Lower Upper

252 100

253 22.6 18.4 27.6

125 6.4 5.6 8.4





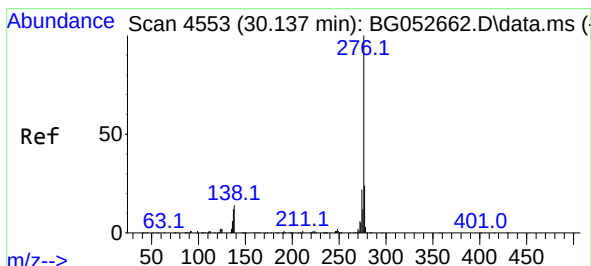
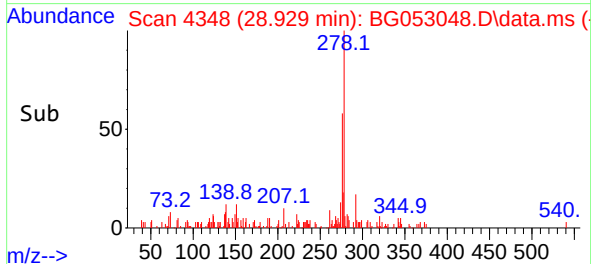
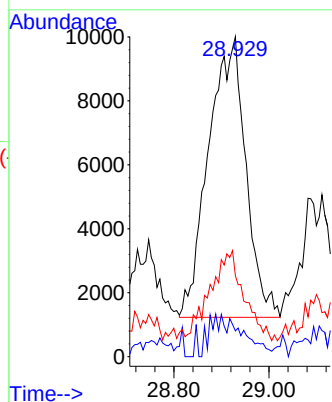
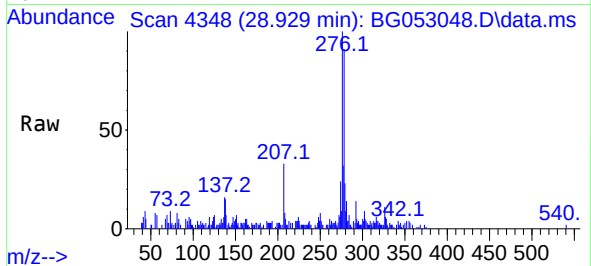
#91
Dibenzo(a,h)anthracene
Concen: 3.375 ng m
RT: 28.929 min Scan# 41
Delta R.T. -0.042 min
Lab File: BG053048.D
Acq: 6 Apr 2022 1:41

Instrument :
BNA_G
ClientSampleId :
TP-6

Tgt Ion:278 Resp: 4765
Ion Ratio Lower Upper
278 100
139 8.1 7.8 11.6
279 25.3 18.5 27.7

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022



#92
Benzo(g,h,i)perylene
Concen: 14.395 ng
RT: 30.057 min Scan# 4540
Delta R.T. -0.036 min
Lab File: BG053048.D
Acq: 6 Apr 2022 1:41

Tgt Ion:276 Resp: 201093
Ion Ratio Lower Upper
276 100
277 23.7 18.2 27.2
138 10.8 9.1 13.7

