

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040622\
 Data File : BG053058.D
 Acq On : 6 Apr 2022 17:08
 Operator : CG/JU
 Sample : N2257-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-4

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/07/2022
 Supervised By : Jagrut Upadhyay 04/07/2022

Quant Time: Apr 06 18:06:21 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 06 14:35:39 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.126	152	34925	20.000	ng	0.00
21) Naphthalene-d8	10.940	136	142761	20.000	ng	# 0.00
39) Acenaphthene-d10	14.746	164	105062	20.000	ng	0.00
64) Phenanthrene-d10	17.490	188	210025	20.000	ng	0.00
76) Chrysene-d12	21.778	240	203025	20.000	ng	0.00
86) Perylene-d12	25.085	264	217978	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.694	112	222586	110.991	ng	0.00
7) Phenol-d6	7.286	99	337087	111.492	ng	0.00
23) Nitrobenzene-d5	9.289	82	243024	85.440	ng	0.00
42) 2,4,6-Tribromophenol	16.233	330	167303	118.507	ng	0.00
45) 2-Fluorobiphenyl	13.372	172	519966	72.992	ng	0.00
79) Terphenyl-d14	20.098	244	774118	67.826	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.537	178	306268	27.258	ng	99
72) Anthracene	17.625	178	43653	3.930	ng	98
73) Carbazole	17.889	167	31823	2.893	ng	94
75) Fluoranthene	19.546	202	609782	42.755	ng	98
78) Pyrene	19.904	202	594464	42.211	ng	99
81) Benzo(a)anthracene	21.754	228	286905	21.104	ng	99
83) Chrysene	21.825	228	335507m	26.251	ng	
87) Indeno(1,2,3-cd)pyrene	28.862	276	246469	16.519	ng	99
88) Benzo(b)fluoranthene	24.034	252	431646	31.893	ng	95
89) Benzo(k)fluoranthene	24.098	252	144747m	10.870	ng	
90) Benzo(a)pyrene	24.933	252	313883	27.398	ng	100
91) Dibenzo(a,h)anthracene	28.904	278	60986	4.961	ng	97
92) Benzo(g,h,i)perylene	30.037	276	243647	20.030	ng	97

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

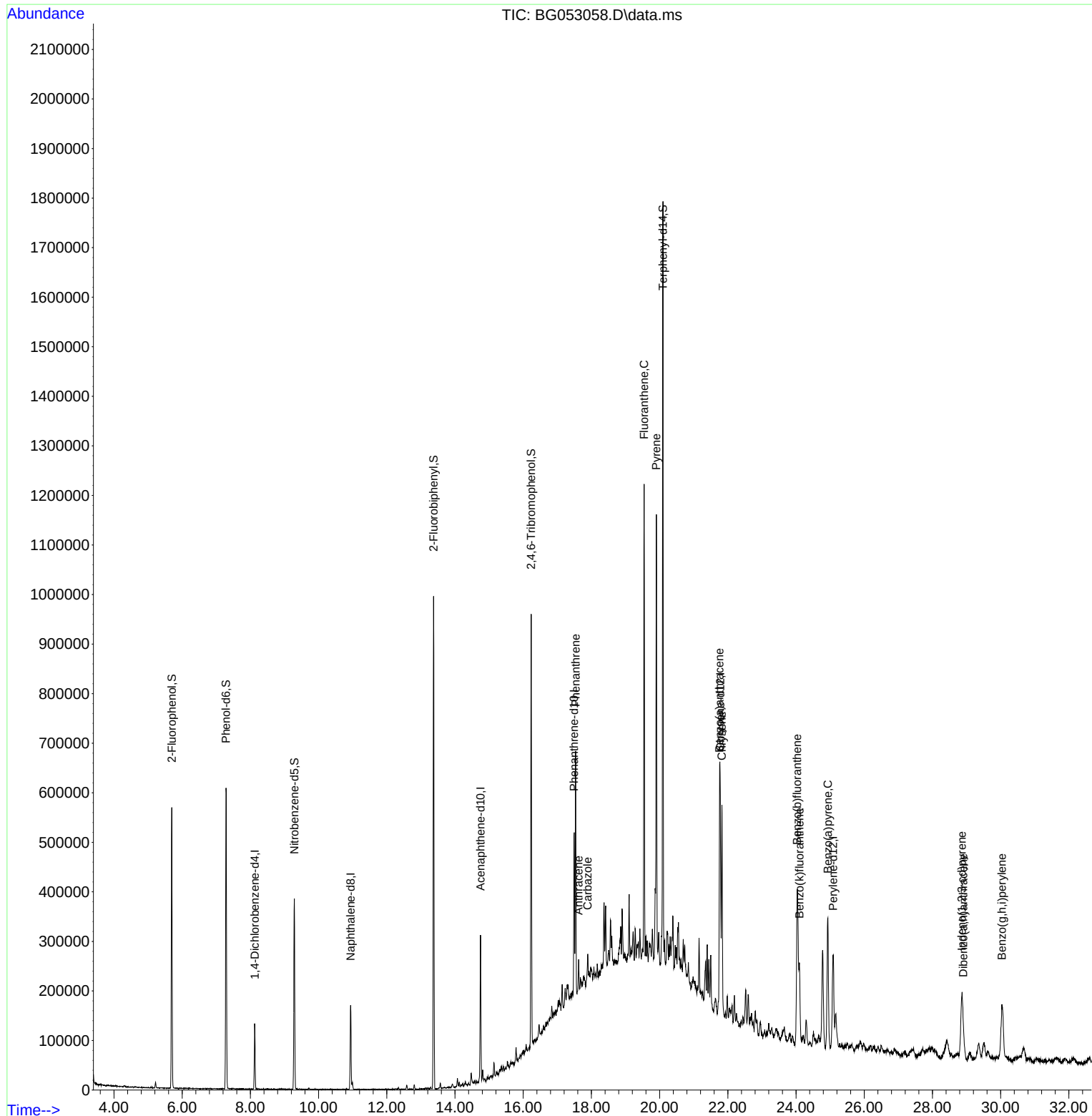
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040622\
Data File : BG053058.D
Acq On : 6 Apr 2022 17:08
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Sample : N2257-07
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ALS Vial : 8 Sample Multiplier: 1

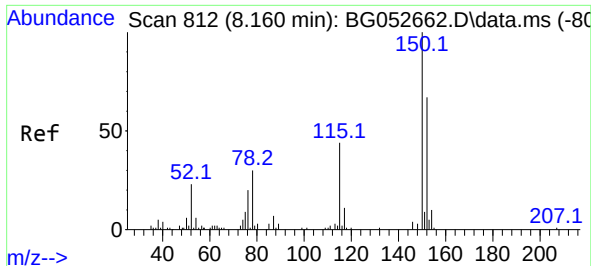
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
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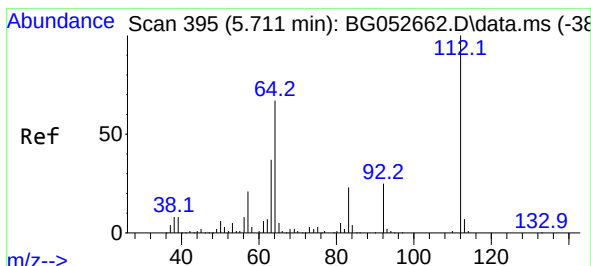
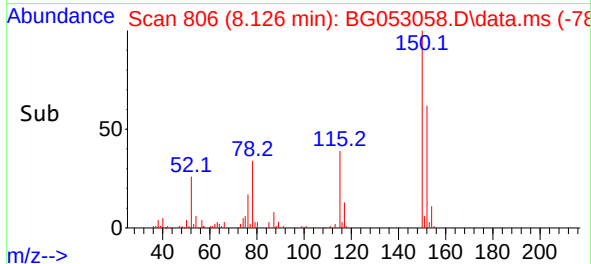
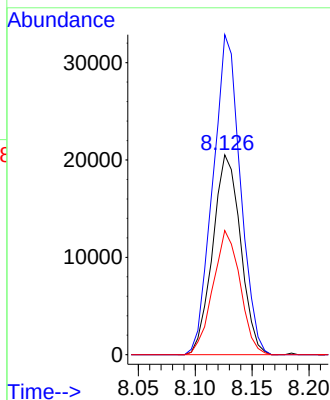
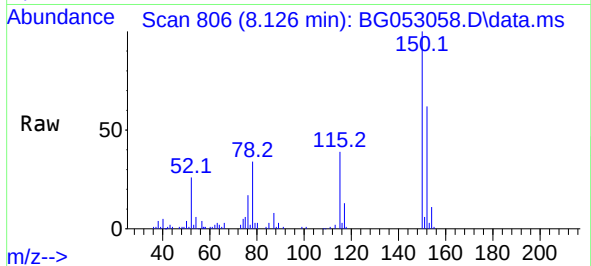
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.126 min Scan# 80
Delta R.T. -0.002 min
Lab File: BG053058.D
Acq: 6 Apr 2022 17:08

Instrument :
BNA_G
ClientSampleId :
TP-4

Tgt Ion:152 Resp: 3492
Ion Ratio Lower Upper
152 100
150 160.1 114.6 172.0
115 62.1 45.9 68.9

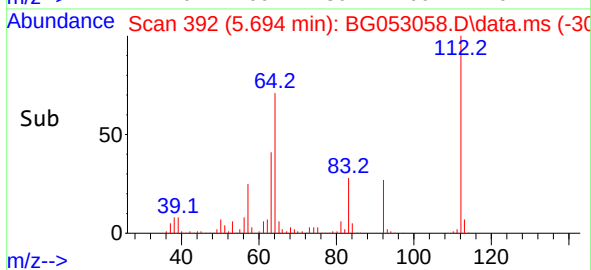
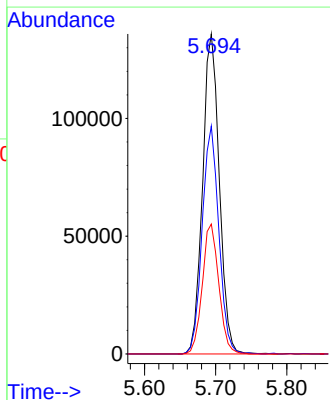
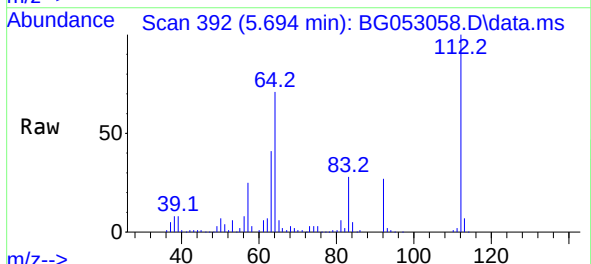
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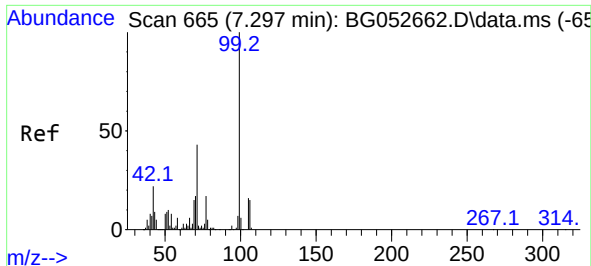
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#5
2-Fluorophenol
Concen: 110.991 ng
RT: 5.694 min Scan# 392
Delta R.T. 0.010 min
Lab File: BG053058.D
Acq: 6 Apr 2022 17:08

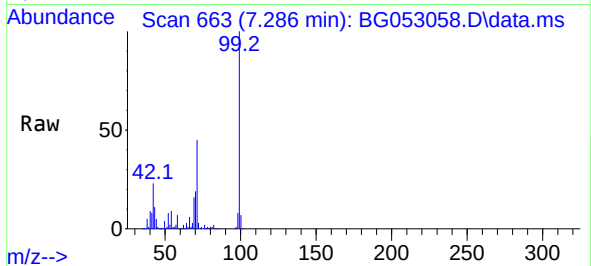
Tgt Ion:112 Resp: 222586
Ion Ratio Lower Upper
112 100
64 71.2 48.0 72.0
63 40.6 26.5 39.7#





#7
Phenol-d6
Concen: 111.492 ng
RT: 7.286 min Scan# 60
Delta R.T. 0.004 min
Lab File: BG053058.D
Acq: 6 Apr 2022 17:08

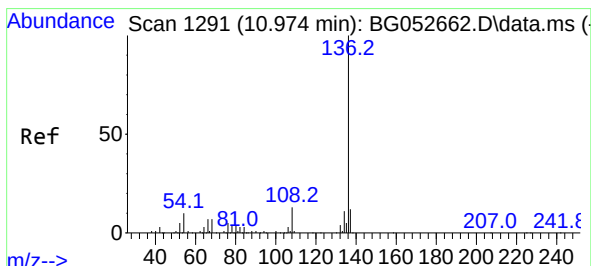
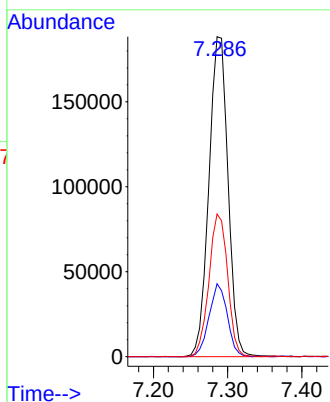
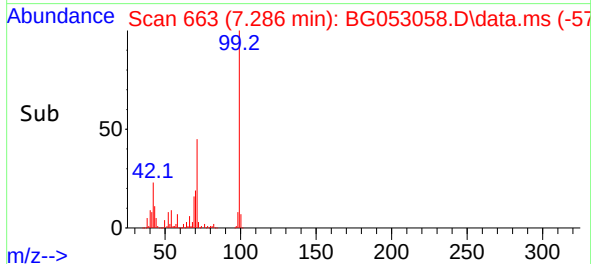
Instrument :
BNA_G
ClientSampleId :
TP-4



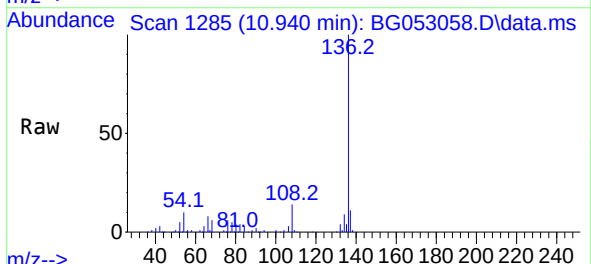
Tgt Ion: 99 Resp: 33708
Ion Ratio Lower Upper
99 100
42 22.8 14.7 22.1
71 44.6 29.2 43.8

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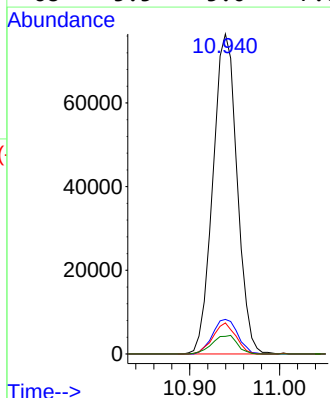
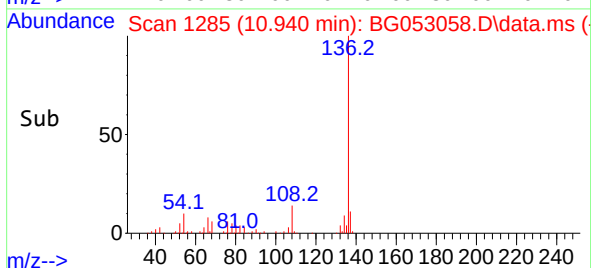
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

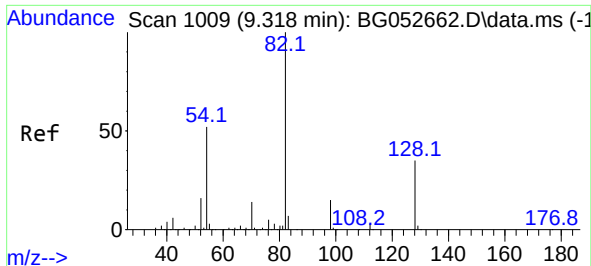


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.940 min Scan# 1285
Delta R.T. -0.002 min
Lab File: BG053058.D
Acq: 6 Apr 2022 17:08



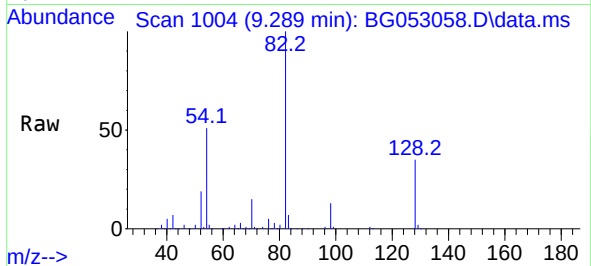
Tgt Ion:136 Resp: 142761
Ion Ratio Lower Upper
136 100
137 10.8 9.4 14.2
54 9.7 6.4 9.6
68 5.5 5.0 7.6





#23
Nitrobenzene-d5
Concen: 85.440 ng
RT: 9.289 min Scan# 1004
Delta R.T. -0.002 min
Lab File: BG053058.D
Acq: 6 Apr 2022 17:08

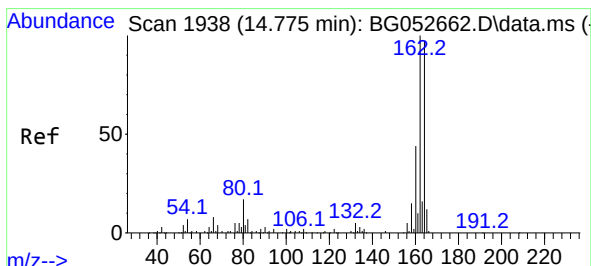
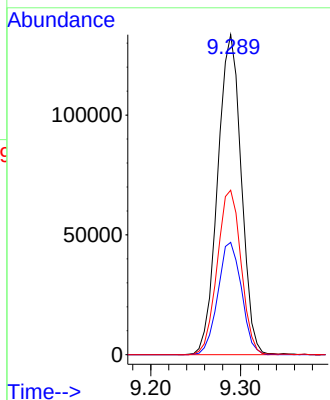
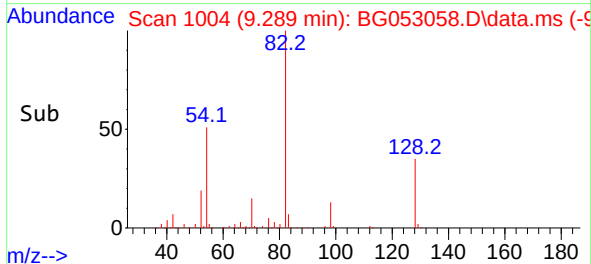
Instrument :
BNA_G
ClientSampleId :
TP-4



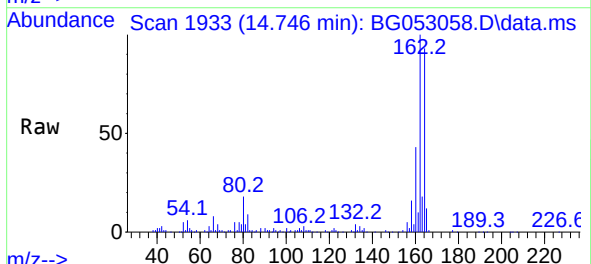
Tgt Ion: 82 Resp: 243024
Ion Ratio Lower Upper
82 100
128 35.1 31.3 46.9
54 51.4 37.8 56.8

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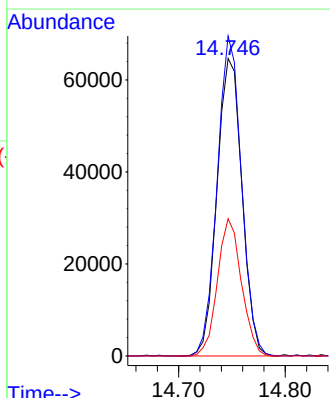
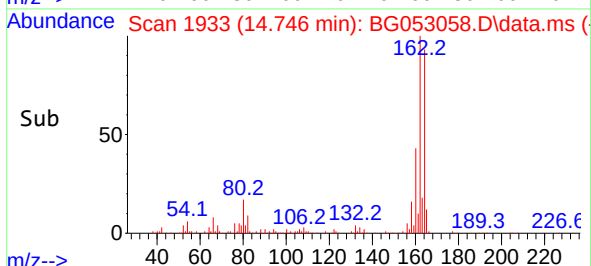
Reviewed By :Christian Giraldo 04/07/2022
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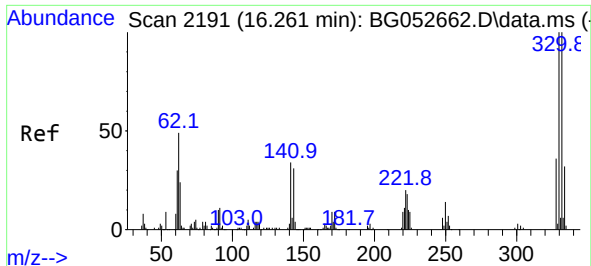


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.746 min Scan# 1933
Delta R.T. -0.002 min
Lab File: BG053058.D
Acq: 6 Apr 2022 17:08



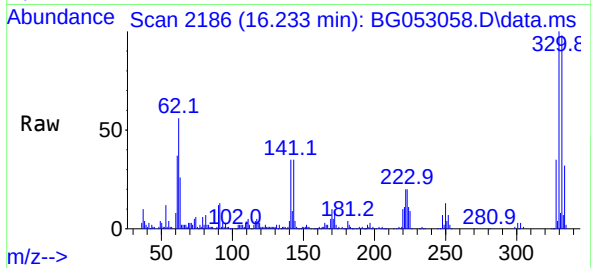
Tgt Ion:164 Resp: 105062
Ion Ratio Lower Upper
164 100
162 107.6 80.0 120.0
160 46.2 38.8 58.2





#42
2,4,6-Tribromophenol
Concen: 118.507 ng
RT: 16.233 min Scan# 2191
Delta R.T. -0.002 min
Lab File: BG053058.D
Acq: 6 Apr 2022 17:08

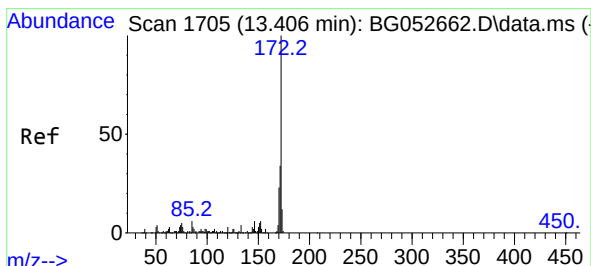
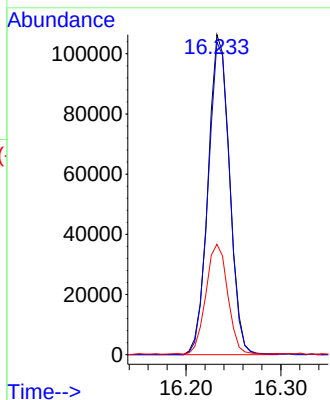
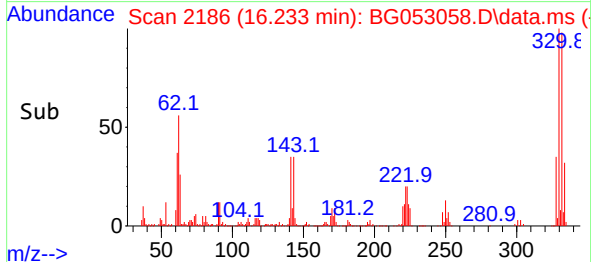
Instrument :
BNA_G
ClientSampleId :
TP-4



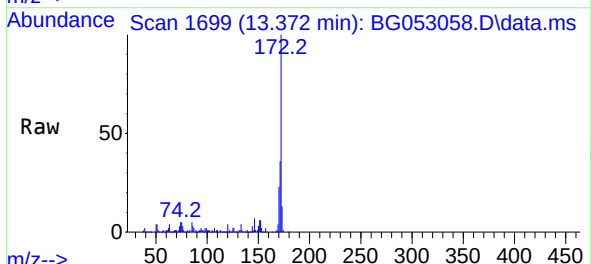
Tgt Ion:330 Resp: 16730
Ion Ratio Lower Upper
330 100
332 97.5 75.8 113.6
141 34.9 24.6 36.8

Manual Integrations
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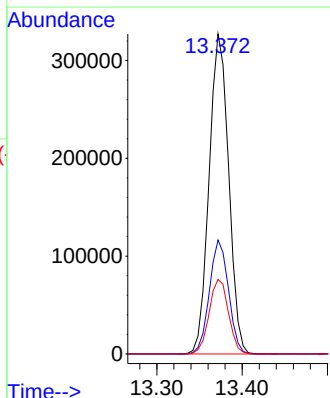
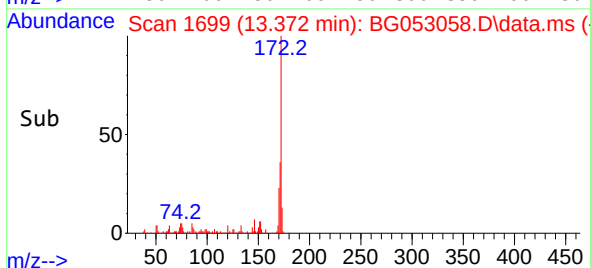
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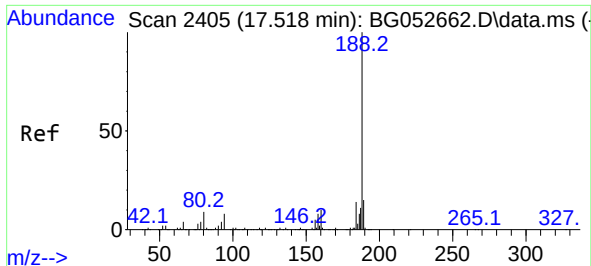


#45
2-Fluorobiphenyl
Concen: 72.992 ng
RT: 13.372 min Scan# 1699
Delta R.T. -0.002 min
Lab File: BG053058.D
Acq: 6 Apr 2022 17:08



Tgt Ion:172 Resp: 519966
Ion Ratio Lower Upper
172 100
171 35.6 28.3 42.5
170 23.3 18.0 27.0





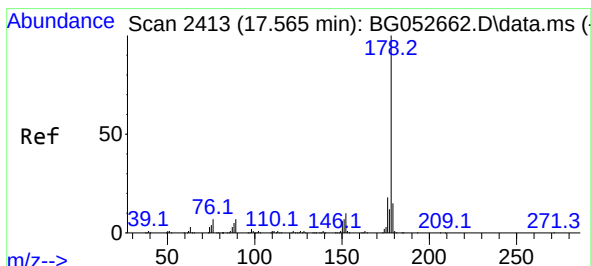
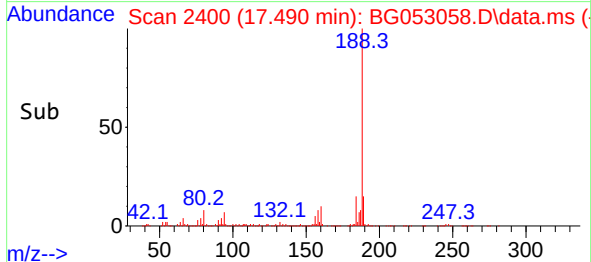
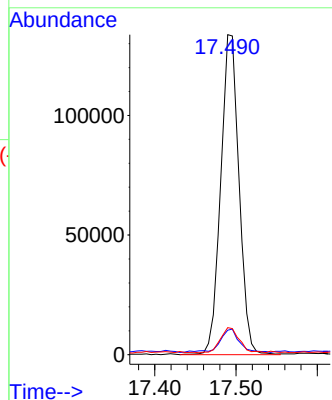
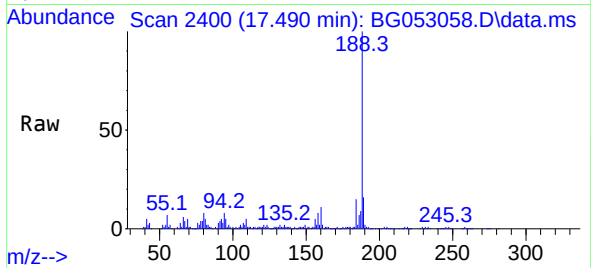
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.490 min Scan# 2405
Delta R.T. -0.002 min
Lab File: BG053058.D
Acq: 6 Apr 2022 17:08

Instrument :
BNA_G
ClientSampleId :
TP-4

Tgt Ion:188 Resp: 21002
Ion Ratio Lower Upper
188 100
94 7.6 5.7 8.5
80 8.5 7.2 10.8

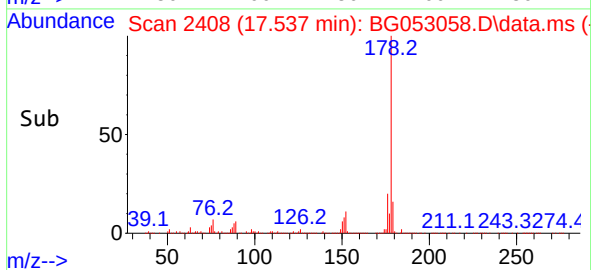
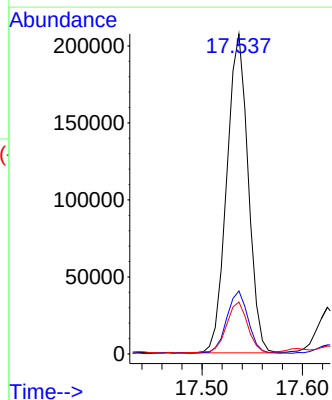
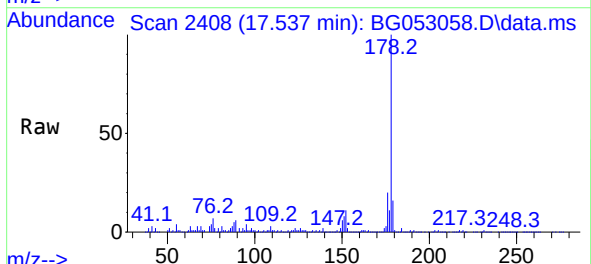
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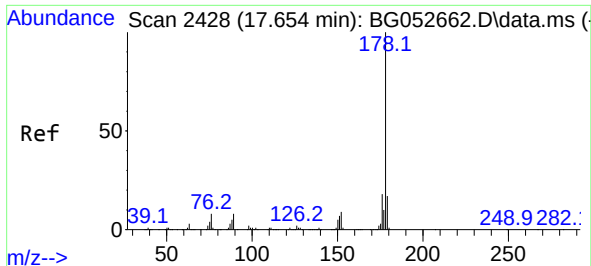
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#71
Phenanthrene
Concen: 27.258 ng
RT: 17.537 min Scan# 2408
Delta R.T. 0.004 min
Lab File: BG053058.D
Acq: 6 Apr 2022 17:08

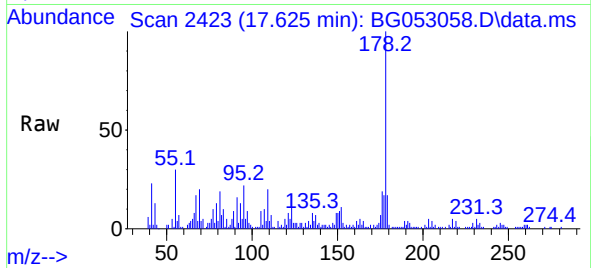
Tgt Ion:178 Resp: 306268
Ion Ratio Lower Upper
178 100
176 19.7 15.9 23.9
179 16.3 13.4 20.2





#72
 Anthracene
 Concen: 3.930 ng
 RT: 17.625 min Scan# 2428
 Delta R.T. -0.002 min
 Lab File: BG053058.D
 Acq: 6 Apr 2022 17:08

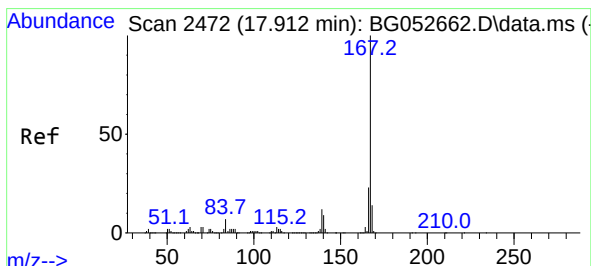
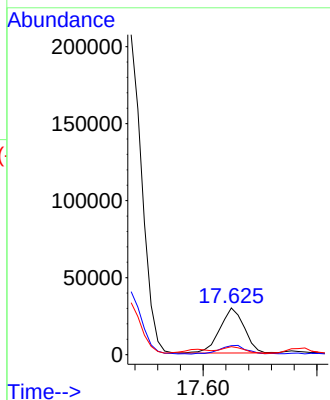
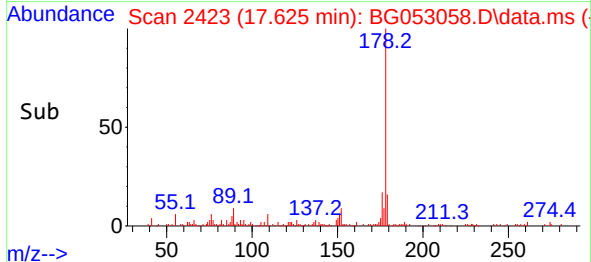
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 ClientSampleId :
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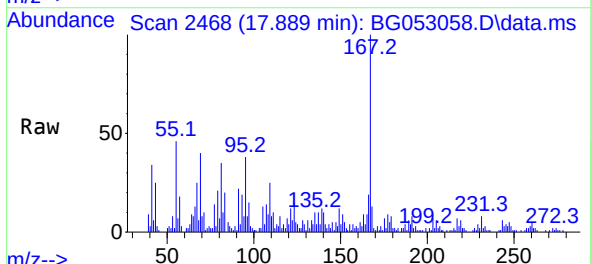
Tgt Ion:178 Resp: 4365
 Ion Ratio Lower Upper
 178 100
 176 19.2 14.7 22.1
 179 17.2 13.2 19.8

Manual Integrations
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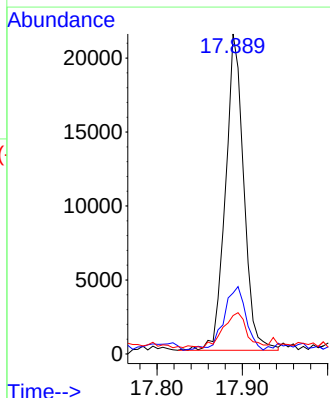
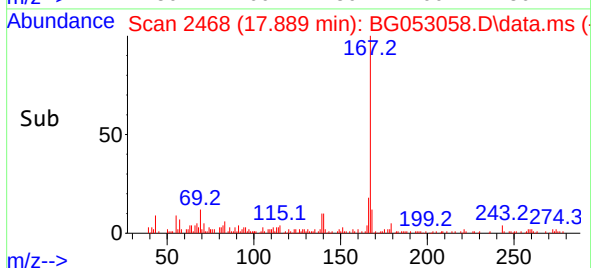
Reviewed By :Christian Giraldo 04/07/2022
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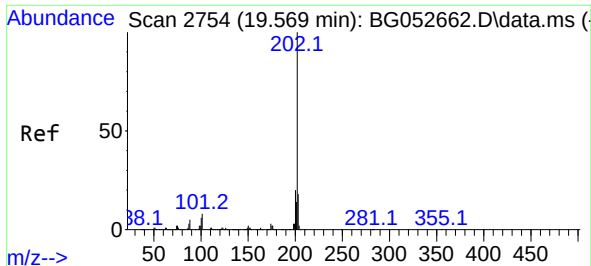


#73
 Carbazole
 Concen: 2.893 ng
 RT: 17.889 min Scan# 2468
 Delta R.T. -0.002 min
 Lab File: BG053058.D
 Acq: 6 Apr 2022 17:08



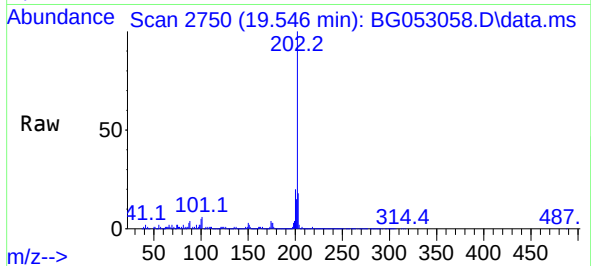
Tgt Ion:167 Resp: 31823
 Ion Ratio Lower Upper
 167 100
 166 19.1 18.5 27.7
 139 12.0 10.0 15.0





#75
Fluoranthene
Concen: 42.755 ng
RT: 19.546 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG053058.D
Acq: 6 Apr 2022 17:08

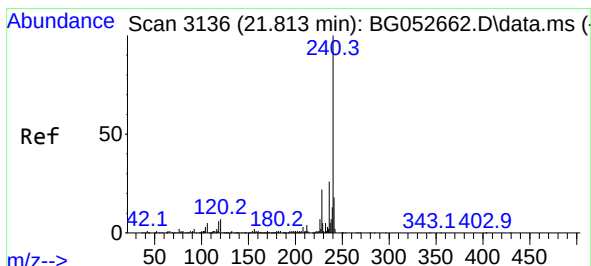
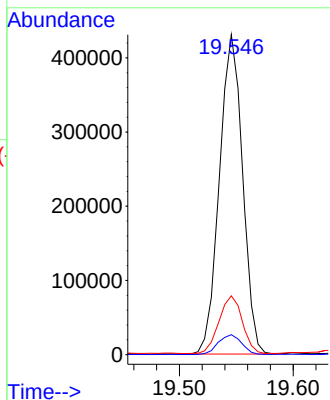
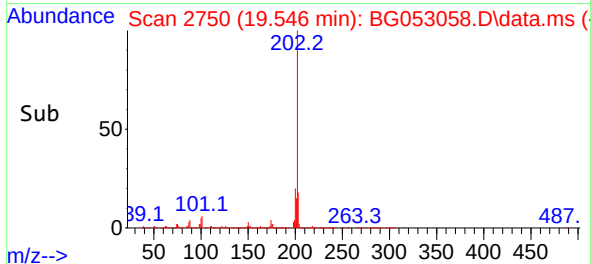
Instrument :
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TP-4



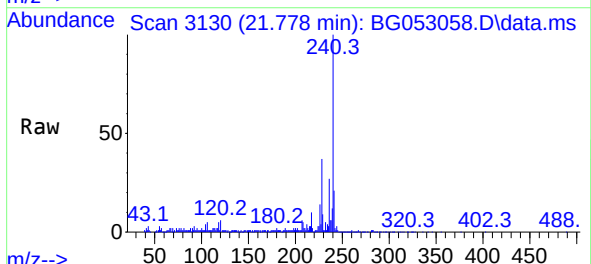
Tgt Ion:202 Resp: 60978
Ion Ratio Lower Upper
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101 6.2 0.0 27.3
203 18.4 0.0 37.7

Manual Integrations
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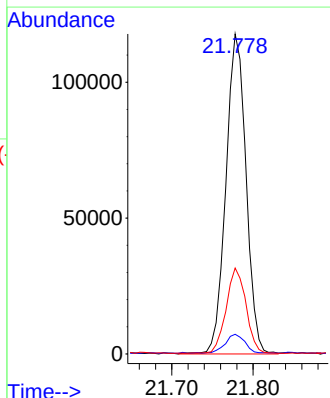
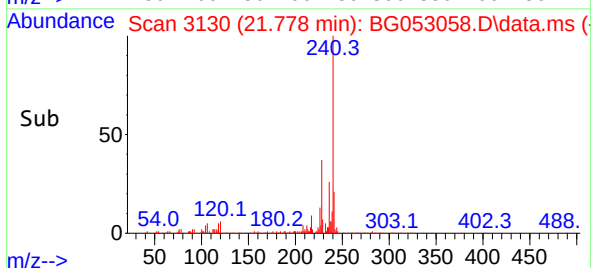
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Supervised By :Jagrut Upadhyay 04/07/2022

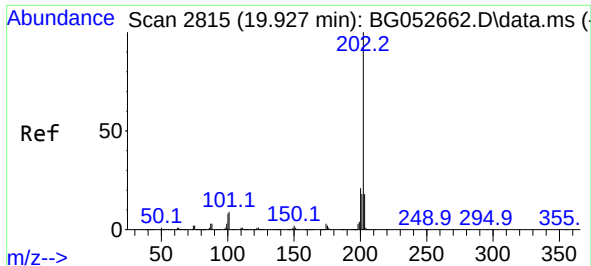


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.778 min Scan# 3130
Delta R.T. -0.002 min
Lab File: BG053058.D
Acq: 6 Apr 2022 17:08



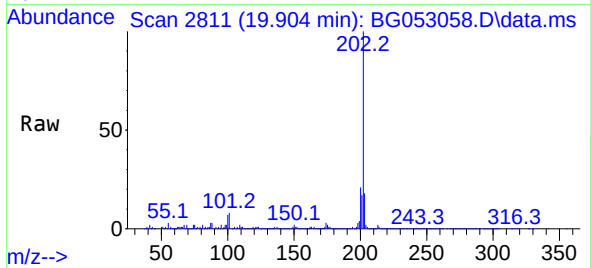
Tgt Ion:240 Resp: 203025
Ion Ratio Lower Upper
240 100
120 6.1 5.4 8.0
236 26.8 19.8 29.6





#78
Pyrene
Concen: 42.211 ng
RT: 19.904 min Scan# 2811
Delta R.T. 0.004 min
Lab File: BG053058.D
Acq: 6 Apr 2022 17:08

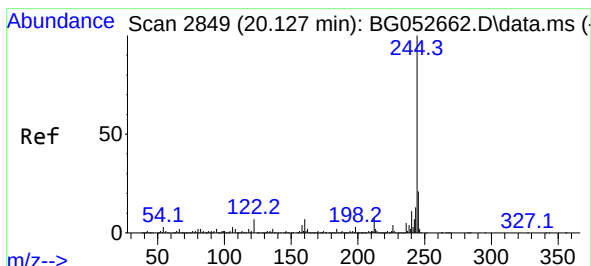
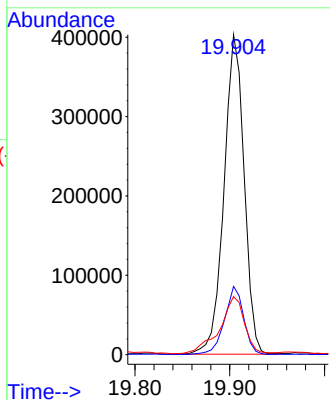
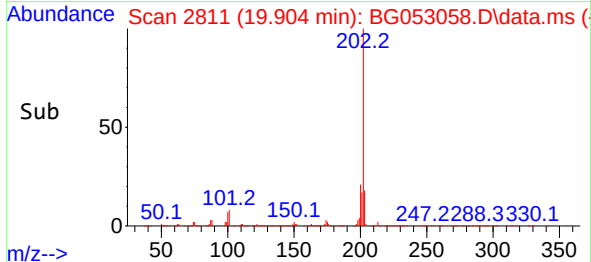
Instrument :
BNA_G
ClientSampleId :
TP-4



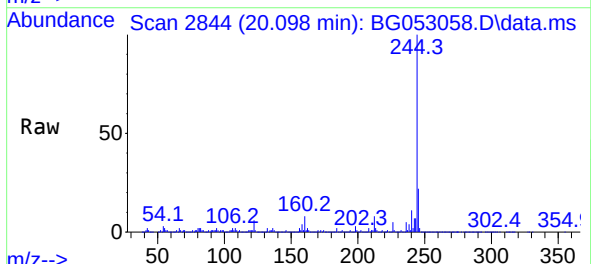
Tgt Ion:202 Resp: 594464
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.6
203 18.2 15.0 22.6

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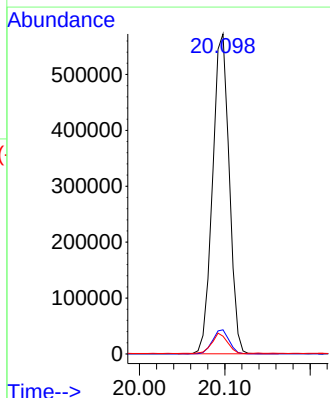
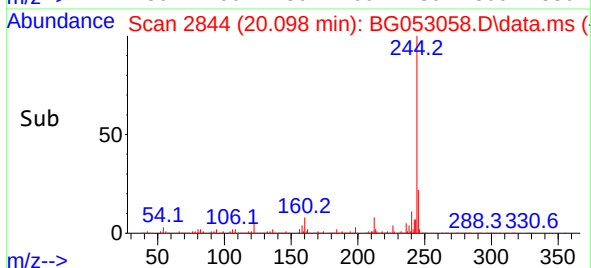
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

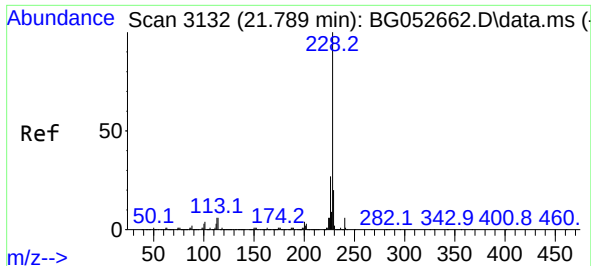


#79
Terphenyl-d14
Concen: 67.826 ng
RT: 20.098 min Scan# 2844
Delta R.T. 0.004 min
Lab File: BG053058.D
Acq: 6 Apr 2022 17:08



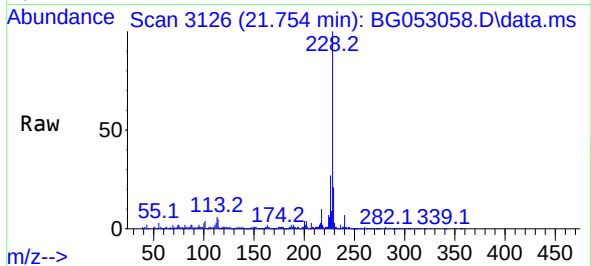
Tgt Ion:244 Resp: 774118
Ion Ratio Lower Upper
244 100
212 7.6 5.4 8.2
122 5.6 5.8 8.6#





#81
Benzo(a)anthracene
Concen: 21.104 ng
RT: 21.754 min Scan# 3132
Delta R.T. -0.002 min
Lab File: BG053058.D
Acq: 6 Apr 2022 17:08

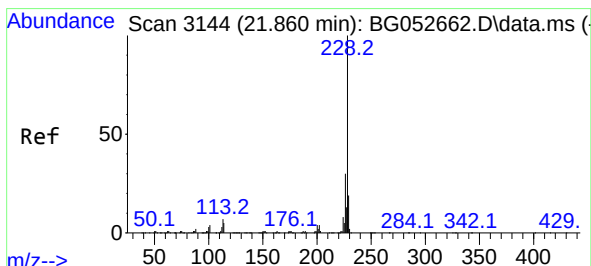
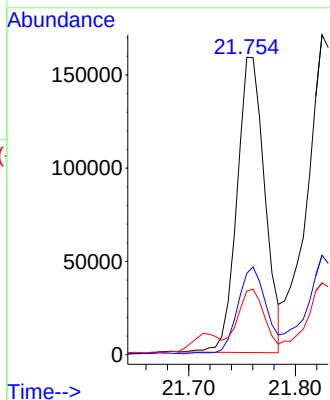
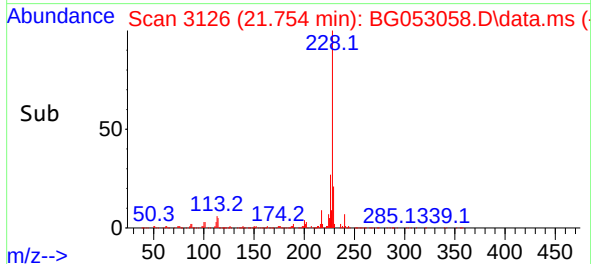
Instrument :
BNA_G
ClientSampleId :
TP-4



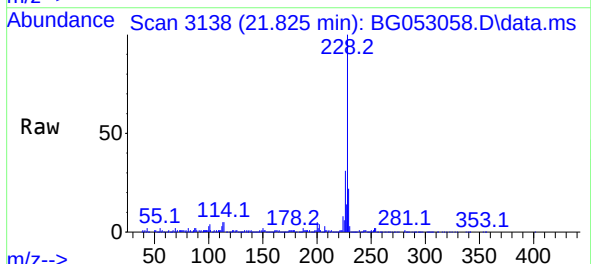
Tgt Ion:228 Resp: 28690
Ion Ratio Lower Upper
228 100
226 27.4 21.4 32.0
229 21.4 16.7 25.1

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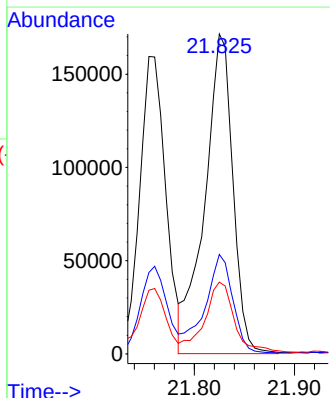
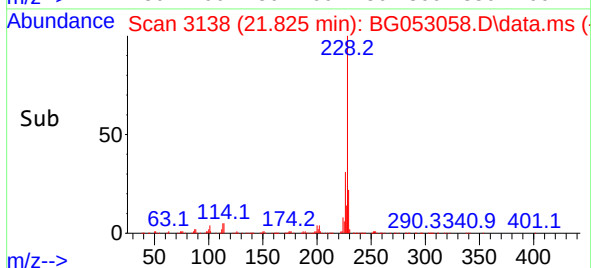
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

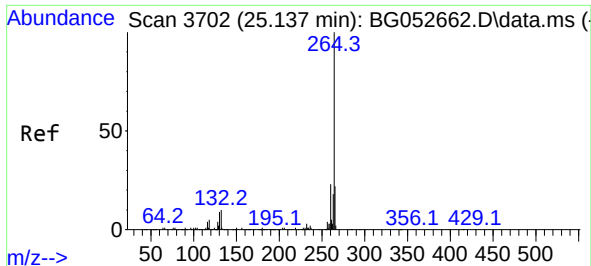


#83
Chrysene
Concen: 26.251 ng m
RT: 21.825 min Scan# 3138
Delta R.T. -0.002 min
Lab File: BG053058.D
Acq: 6 Apr 2022 17:08



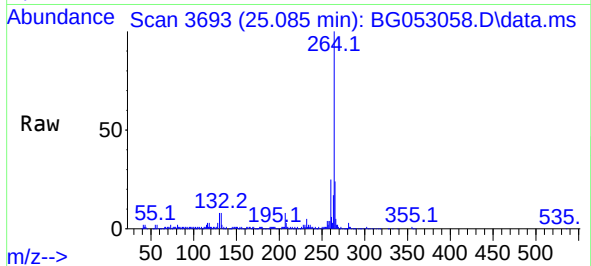
Tgt Ion:228 Resp: 335507
Ion Ratio Lower Upper
228 100
226 31.1 24.2 36.4
229 22.5 16.3 24.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.085 min Scan# 30
Delta R.T. 0.004 min
Lab File: BG053058.D
Acq: 6 Apr 2022 17:08

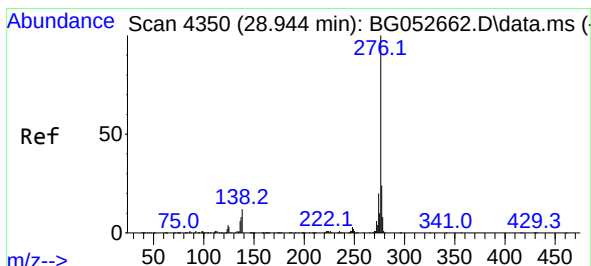
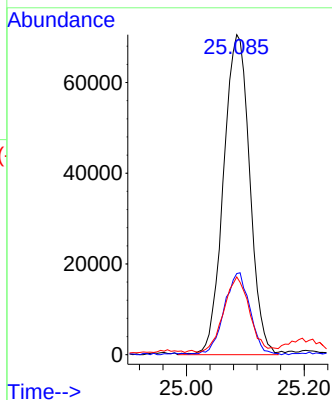
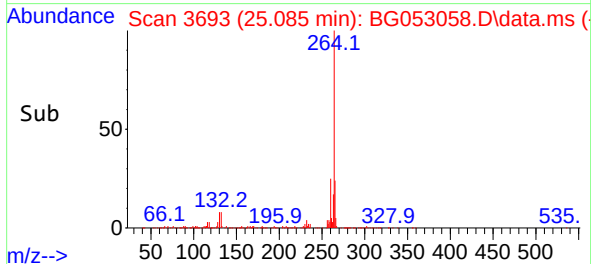
Instrument :
BNA_G
ClientSampleId :
TP-4



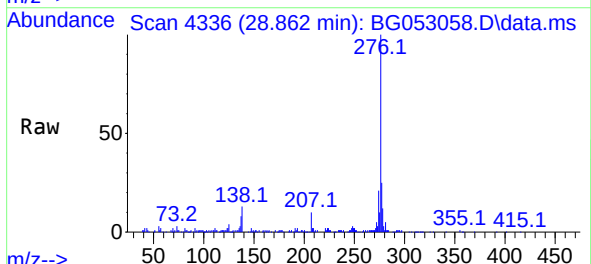
Tgt Ion:264 Resp: 217978
Ion Ratio Lower Upper
264 100
260 25.3 18.2 27.2
265 24.3 15.1 22.7

Manual Integrations
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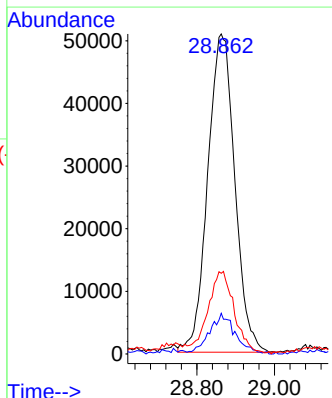
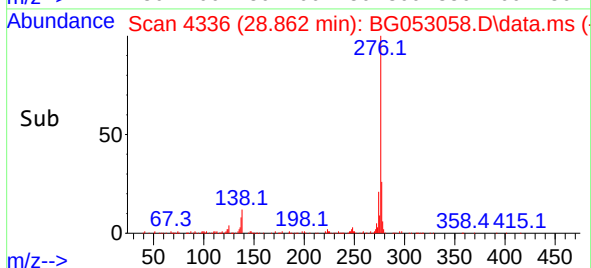
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

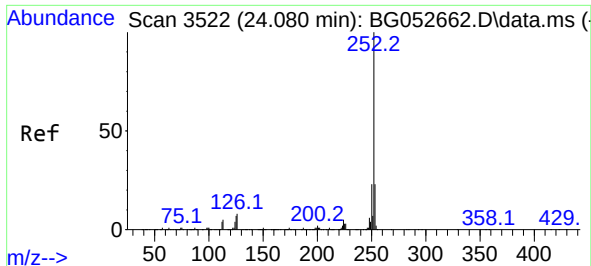


#87
Indeno(1,2,3-cd)pyrene
Concen: 16.519 ng
RT: 28.862 min Scan# 4336
Delta R.T. -0.008 min
Lab File: BG053058.D
Acq: 6 Apr 2022 17:08



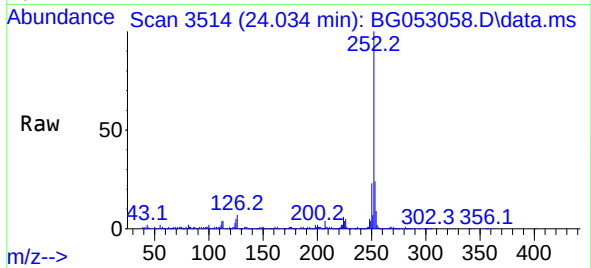
Tgt Ion:276 Resp: 246469
Ion Ratio Lower Upper
276 100
138 11.4 8.7 13.1
277 24.5 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 31.893 ng
RT: 24.034 min Scan# 31
Delta R.T. 0.004 min
Lab File: BG053058.D
Acq: 6 Apr 2022 17:08

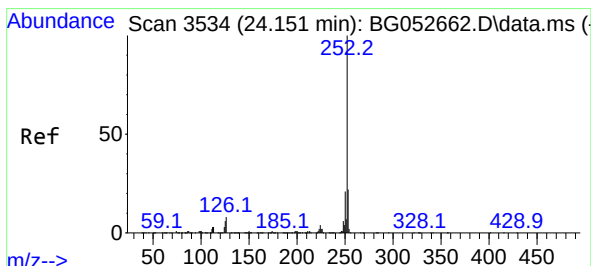
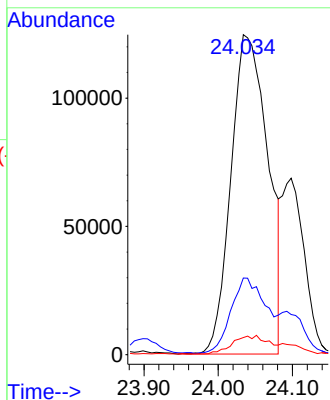
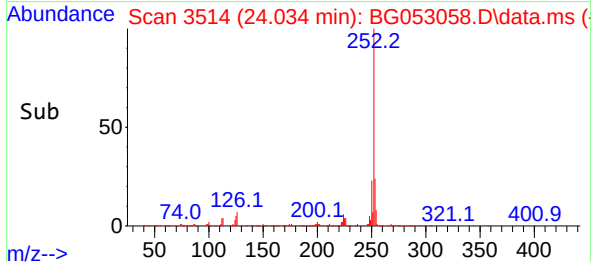
Instrument :
BNA_G
ClientSampleId :
TP-4



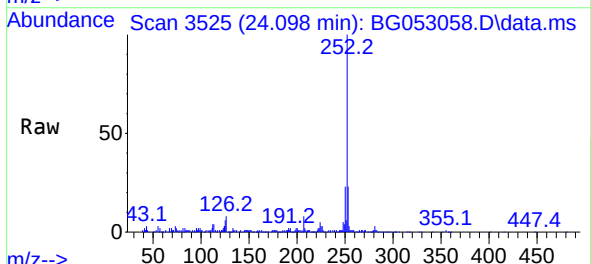
Tgt Ion:252 Resp: 431640
Ion Ratio Lower Upper
252 100
253 24.0 17.2 25.8
125 5.4 5.2 7.8

Manual Integrations
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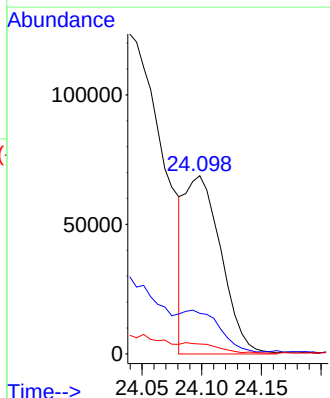
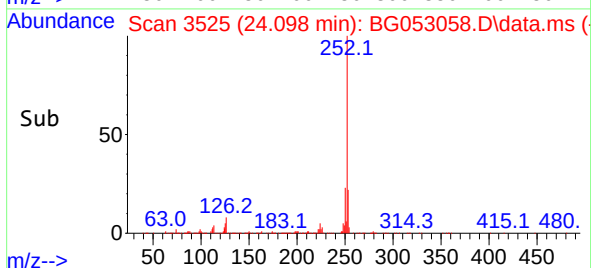
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

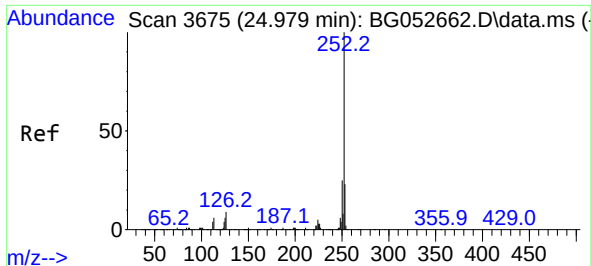


#89
Benzo(k)fluoranthene
Concen: 10.870 ng m
RT: 24.098 min Scan# 3525
Delta R.T. -0.002 min
Lab File: BG053058.D
Acq: 6 Apr 2022 17:08



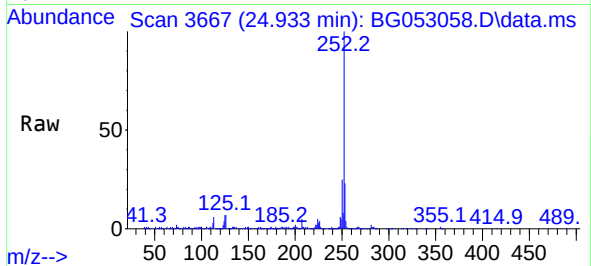
Tgt Ion:252 Resp: 144747
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 5.6 5.0 7.4





#90
Benzo(a)pyrene
Concen: 27.398 ng
RT: 24.933 min Scan# 30
Delta R.T. 0.004 min
Lab File: BG053058.D
Acq: 6 Apr 2022 17:08

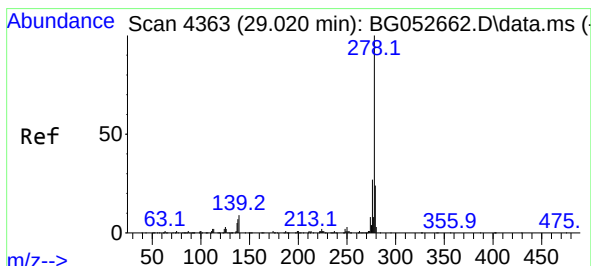
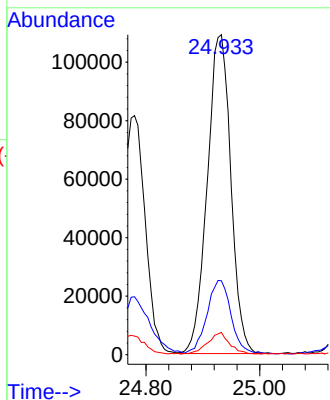
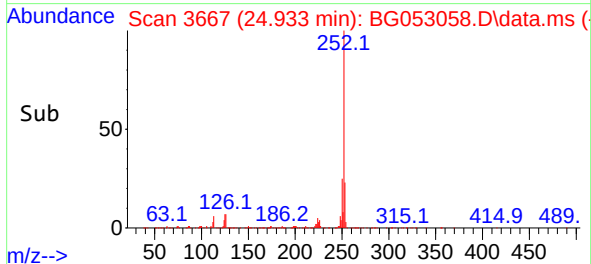
Instrument :
BNA_G
ClientSampleId :
TP-4



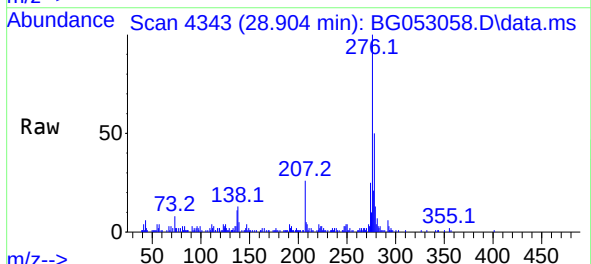
Tgt Ion:252 Resp: 31388
Ion Ratio Lower Upper
252 100
253 23.1 18.4 27.6
125 7.0 5.6 8.4

Manual Integrations
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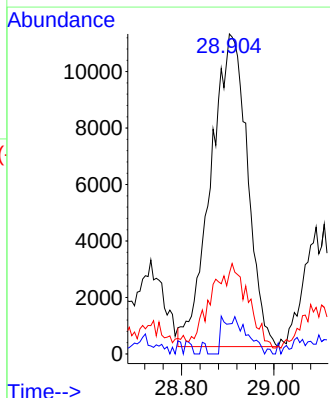
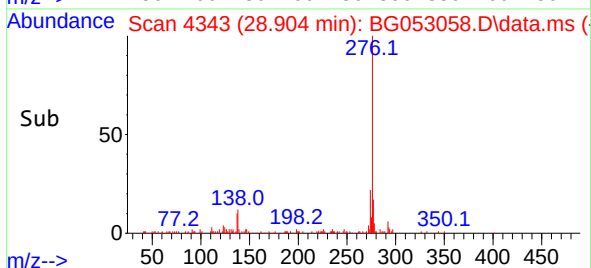
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

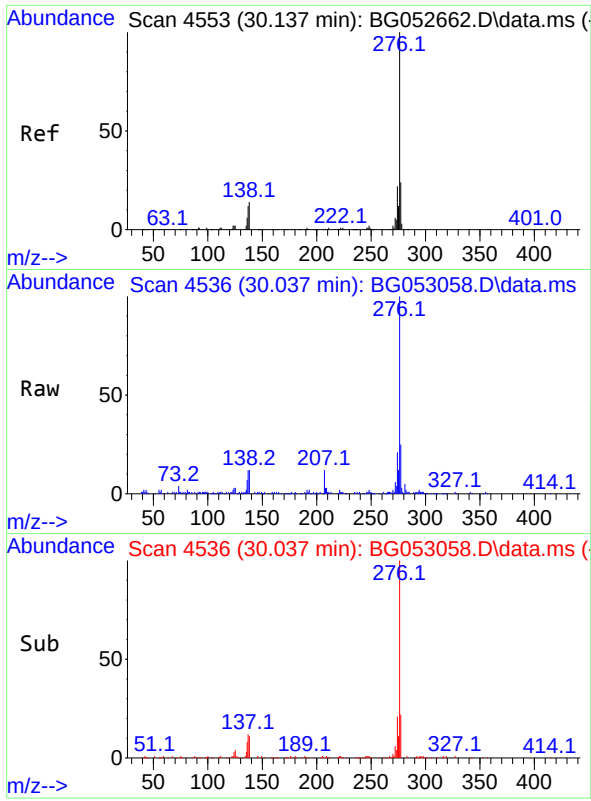


#91
Dibenzo(a,h)anthracene
Concen: 4.961 ng
RT: 28.904 min Scan# 4343
Delta R.T. -0.026 min
Lab File: BG053058.D
Acq: 6 Apr 2022 17:08



Tgt Ion:278 Resp: 60986
Ion Ratio Lower Upper
278 100
139 9.4 7.8 11.6
279 25.2 18.5 27.7





#92
Benzo(g,h,i)perylene
Concen: 20.030 ng
RT: 30.037 min Scan# 4536
Delta R.T. -0.014 min
Lab File: BG053058.D
Acq: 6 Apr 2022 17:08

Instrument :
BNA_G
ClientSampleId :
TP-4

Tgt Ion:276 Resp: 24364
Ion Ratio Lower Upper
276 100
277 24.8 18.2 27.2
138 11.7 9.1 13.7

Manual Integrations
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Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

