

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040522\
 Data File : BG053043.D
 Acq On : 5 Apr 2022 22:26
 Operator : CG/JU
 Sample : N2241-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-02-040122

Manual Integrations
 APPROVED

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

Quant Time: Apr 06 04:15:50 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	8.131	152	36816	20.000	ng	-0.01
21) Naphthalene-d8	10.939	136	152646	20.000	ng	-0.02
39) Acenaphthene-d10	14.746	164	110280	20.000	ng	-0.02
64) Phenanthrene-d10	17.489	188	225242	20.000	ng	-0.02
76) Chrysene-d12	21.777	240	201614	20.000	ng	#-0.02
86) Perylene-d12	25.085	264	214224	20.000	ng	#-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.687	112	263178	124.491	ng	0.00
7) Phenol-d6	7.279	99	387128	121.467	ng	0.00
23) Nitrobenzene-d5	9.288	82	277107	91.113	ng	-0.02
42) 2,4,6-Tribromophenol	16.232	330	170081	114.775	ng	-0.02
45) 2-Fluorobiphenyl	13.371	172	582025	77.838	ng	-0.02
79) Terphenyl-d14	20.091	244	834785	73.653	ng	-0.02
Target Compounds						Qvalue
49) Acenaphthylene	14.475	152	32021	3.307	ng	98
58) Fluorene	15.791	166	21226	2.571	ng	98
71) Phenanthrene	17.530	178	207029	17.181	ng	97
72) Anthracene	17.624	178	59611	5.004	ng	95
75) Fluoranthene	19.539	202	487314	31.859	ng	99
78) Pyrene	19.897	202	446113	31.899	ng	98
81) Benzo(a)anthracene	21.754	228	258415	19.141	ng	95
83) Chrysene	21.824	228	239347	18.858	ng	98
87) Indeno(1,2,3-cd)pyrene	28.856	276	212505	14.493	ng	95
88) Benzo(b)fluoranthene	24.033	252	386129	29.029	ng	99
89) Benzo(k)fluoranthene	24.092	252	135470m	10.352	ng	
90) Benzo(a)pyrene	24.926	252	286840m	25.476	ng	
91) Dibenzo(a,h)anthracene	28.909	278	50390	4.171	ng	# 83
92) Benzo(g,h,i)perylene	30.043	276	222934	18.648	ng	97

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

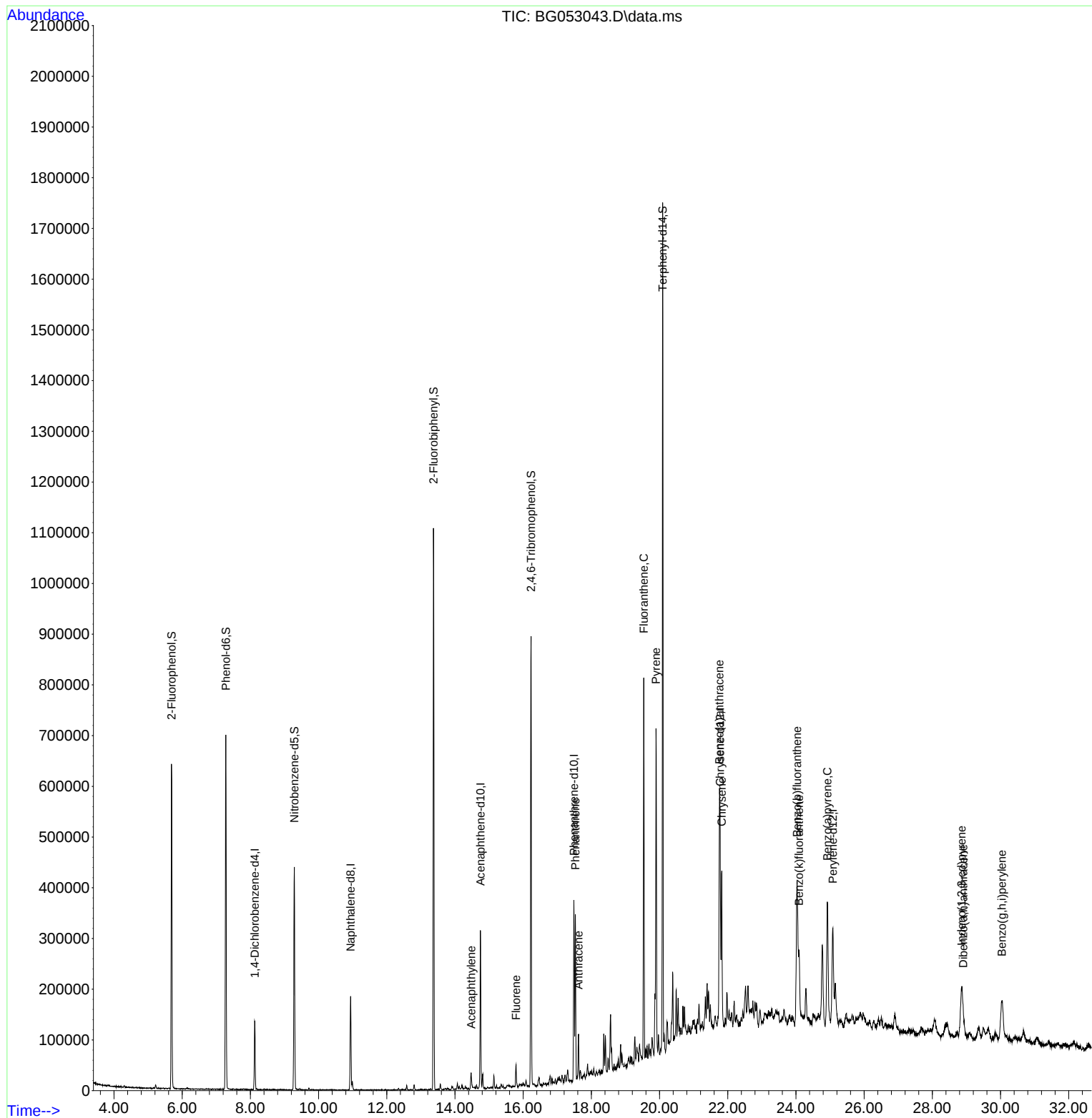
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040522\
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.131 min Scan# 807
Delta R.T. -0.015 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

Instrument :

BNA_G

ClientSampleId :

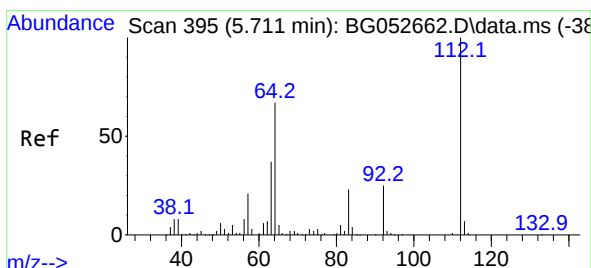
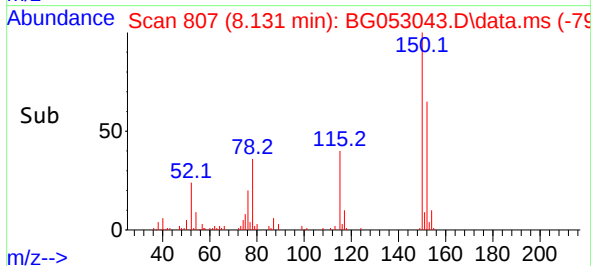
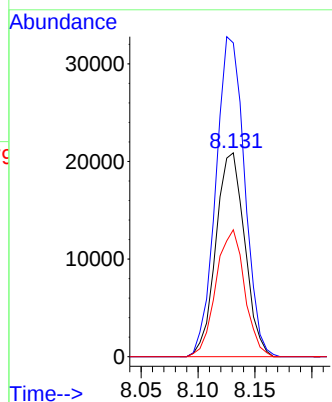
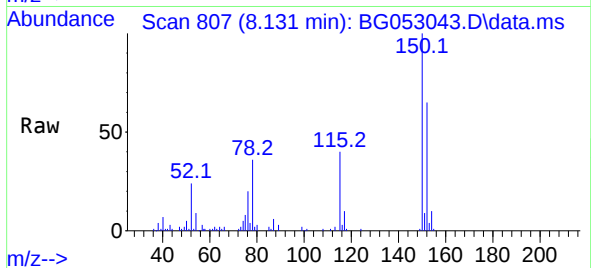
CL-02-040122

Tgt Ion:152 Resp: 36810
Ion Ratio Lower Upper
152 100
150 153.9 114.6 172.0
115 62.3 45.9 68.9

Manual Integrations

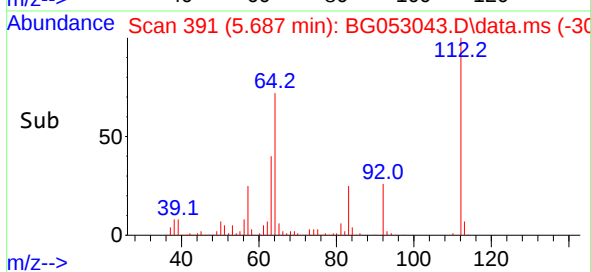
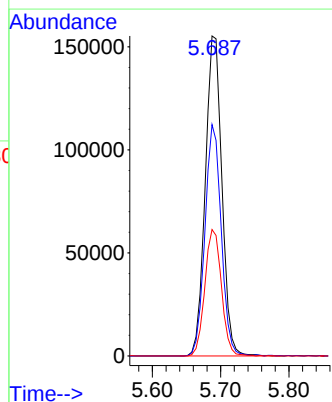
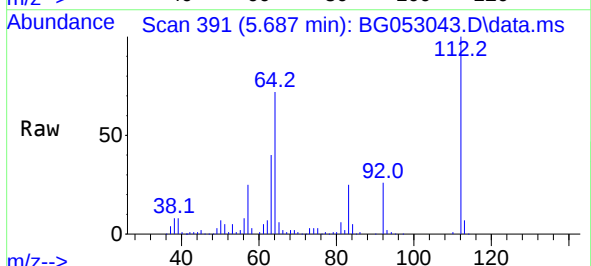
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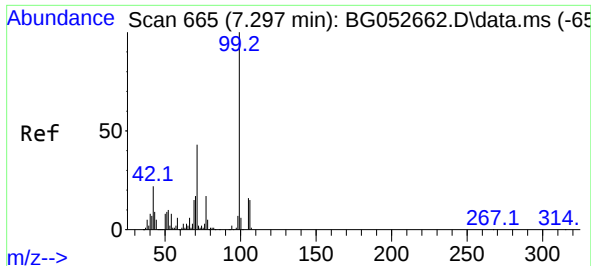
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Supervised By :Jagrut Upadhyay 04/06/2022



#5
2-Fluorophenol
Concen: 124.491 ng
RT: 5.687 min Scan# 391
Delta R.T. -0.009 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

Tgt Ion:112 Resp: 263178
Ion Ratio Lower Upper
112 100
64 72.3 48.0 72.0#
63 39.5 26.5 39.7





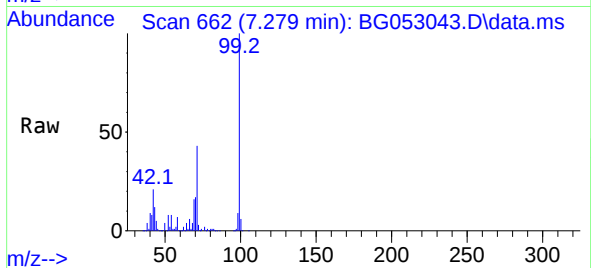
#7
Phenol-d6
Concen: 121.467 ng
RT: 7.279 min Scan# 60
Delta R.T. -0.009 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

Instrument :

BNA_G

ClientSampleId :

CL-02-040122

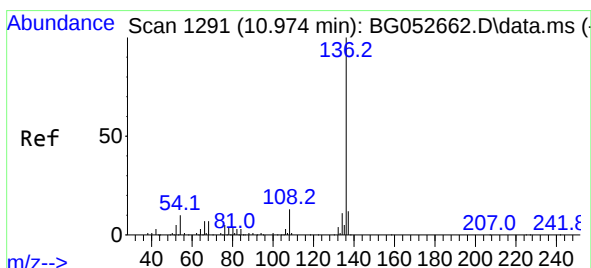
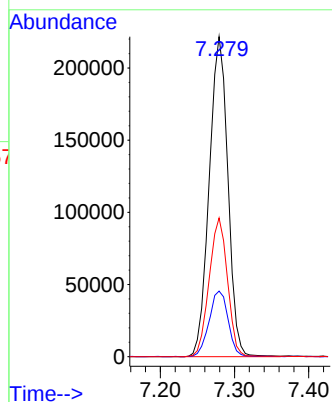
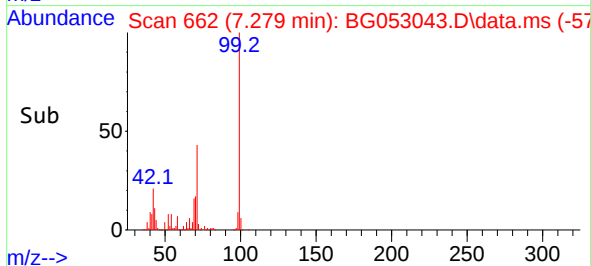


Tgt Ion: 99 Resp: 387128
Ion Ratio Lower Upper
99 100
42 20.5 14.7 22.1
71 43.4 29.2 43.8

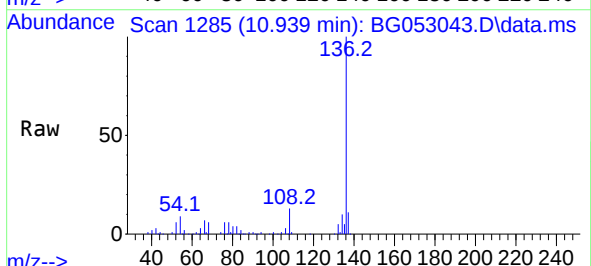
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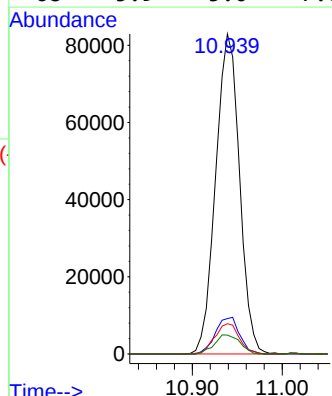
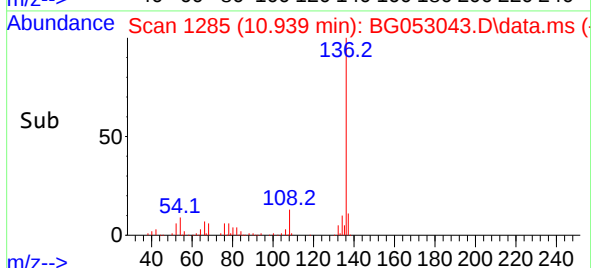
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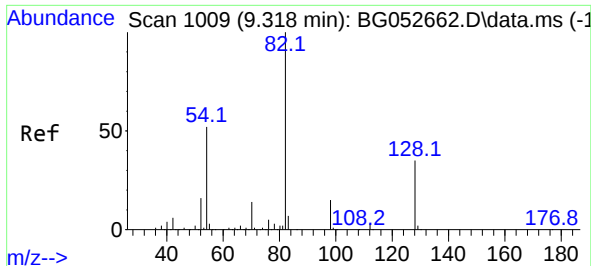


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.939 min Scan# 1285
Delta R.T. -0.021 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26



Tgt Ion:136 Resp: 152646
Ion Ratio Lower Upper
136 100
137 11.0 9.4 14.2
54 9.4 6.4 9.6
68 5.9 5.0 7.6





#23

Nitrobenzene-d5

Concen: 91.113 ng

RT: 9.288 min Scan# 1009

Delta R.T. -0.015 min

Lab File: BG053043.D

Acq: 5 Apr 2022 22:26

Instrument :

BNA_G

ClientSampleId :

CL-02-040122

Tgt Ion: 82 Resp: 27710

Ion Ratio Lower Upper

82 100

128 33.3 31.3 46.9

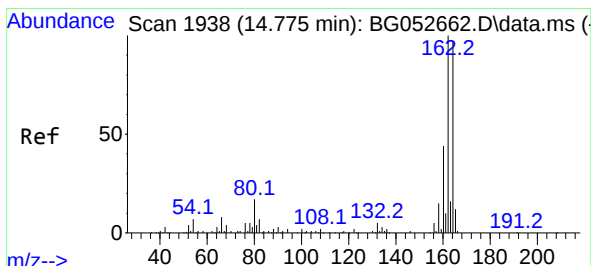
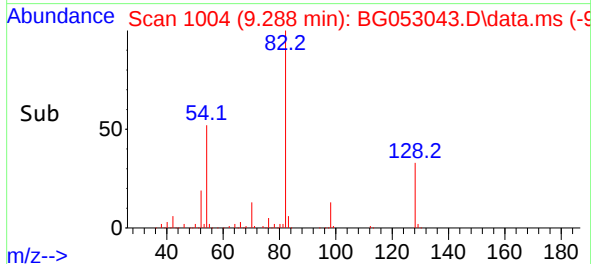
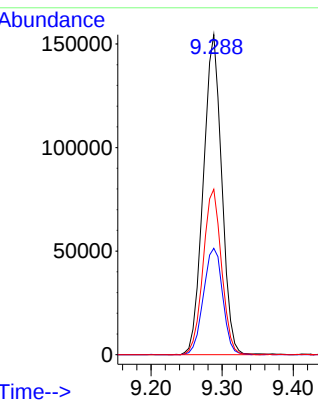
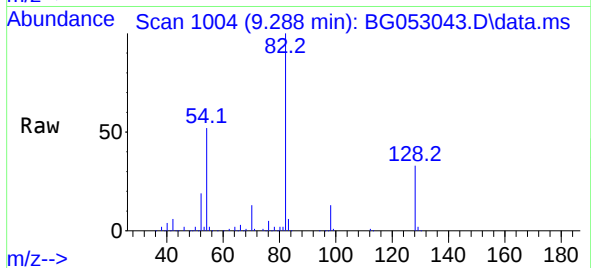
54 51.7 37.8 56.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.746 min Scan# 1933

Delta R.T. -0.021 min

Lab File: BG053043.D

Acq: 5 Apr 2022 22:26

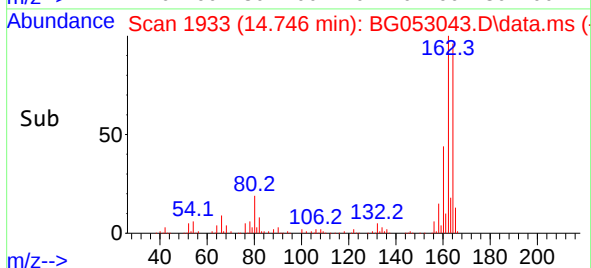
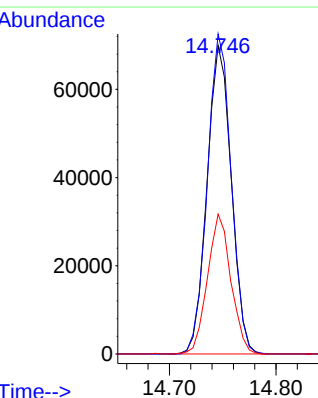
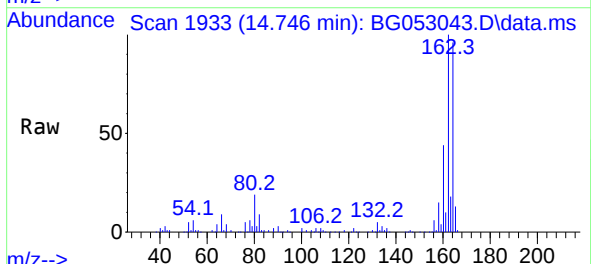
Tgt Ion:164 Resp: 110280

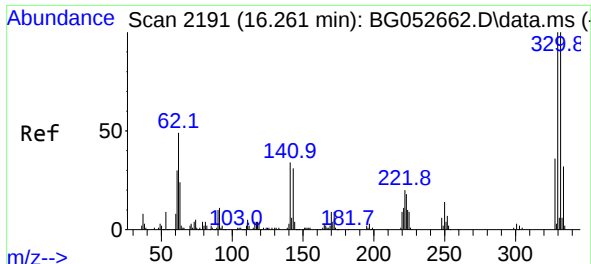
Ion Ratio Lower Upper

164 100

162 103.8 80.0 120.0

160 45.4 38.8 58.2





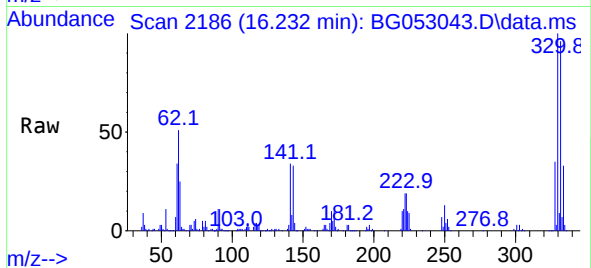
#42
2,4,6-Tribromophenol
Concen: 114.775 ng
RT: 16.232 min Scan# 2191
Delta R.T. -0.015 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

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CL-02-040122

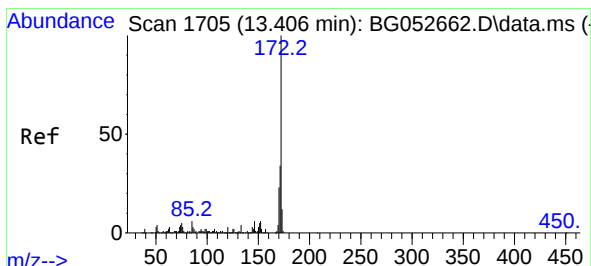
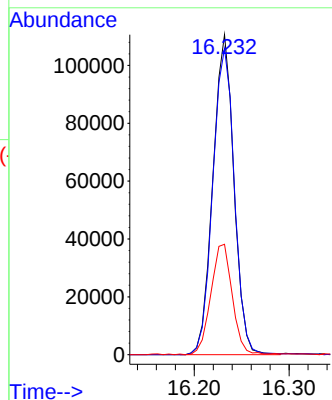
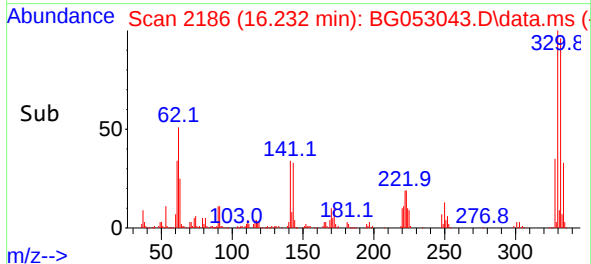


Tgt Ion:330 Resp: 17008
Ion Ratio Lower Upper
330 100
332 98.6 75.8 113.6
141 35.2 24.6 36.8

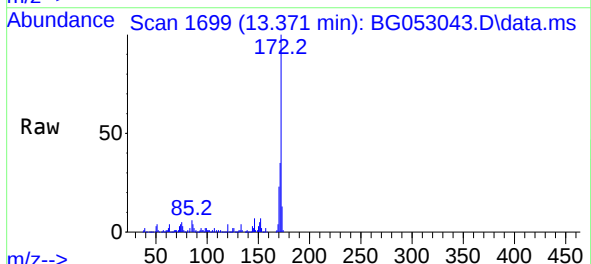
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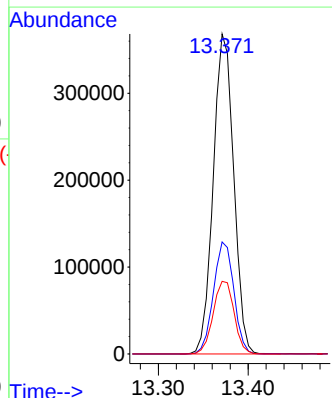
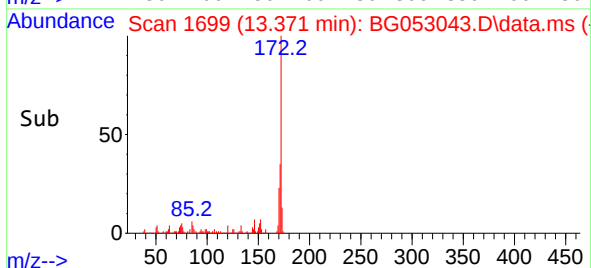
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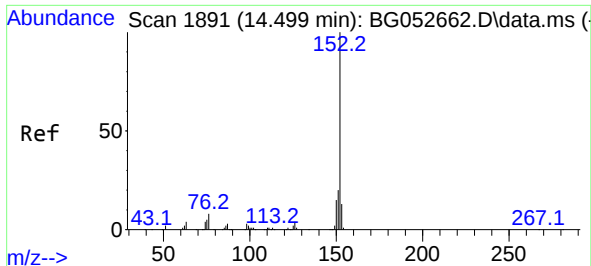


#45
2-Fluorobiphenyl
Concen: 77.838 ng
RT: 13.371 min Scan# 1699
Delta R.T. -0.021 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26



Tgt Ion:172 Resp: 582025
Ion Ratio Lower Upper
172 100
171 35.0 28.3 42.5
170 22.7 18.0 27.0





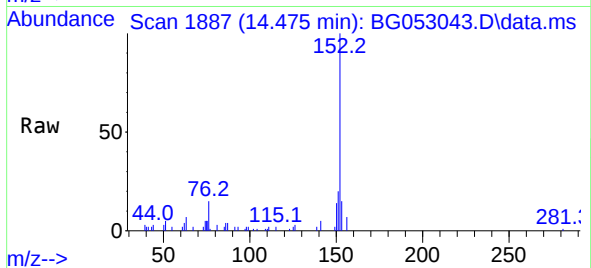
#49
Acenaphthylene
Concen: 3.307 ng
RT: 14.475 min Scan# 11
Delta R.T. -0.015 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

Instrument :

BNA_G

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CL-02-040122

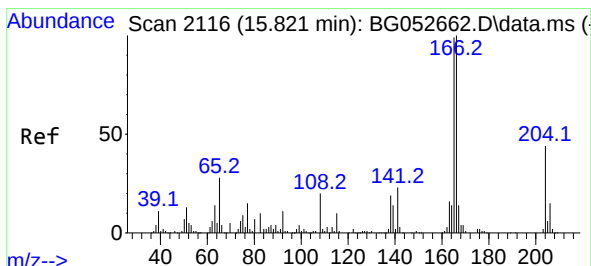
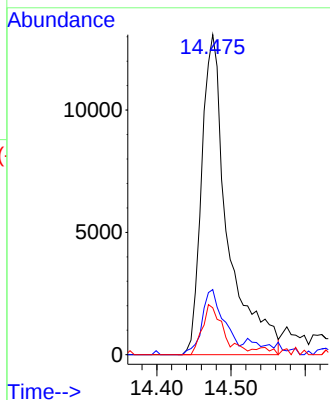
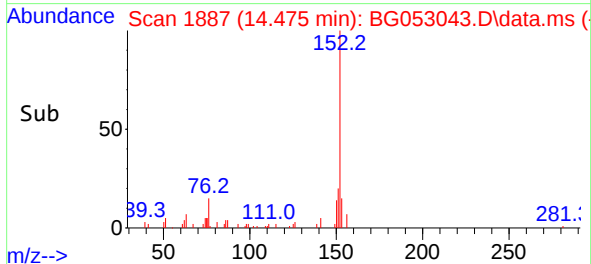


Tgt Ion:152 Resp: 3202
Ion Ratio Lower Upper
152 100
151 20.3 15.8 23.6
153 14.7 10.6 15.8

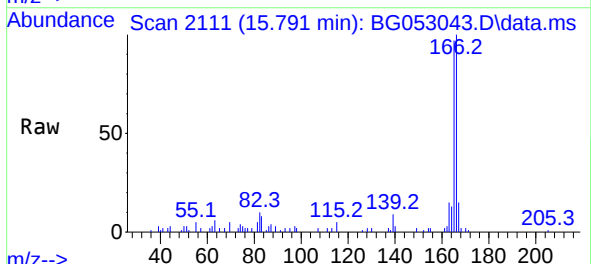
Manual Integrations

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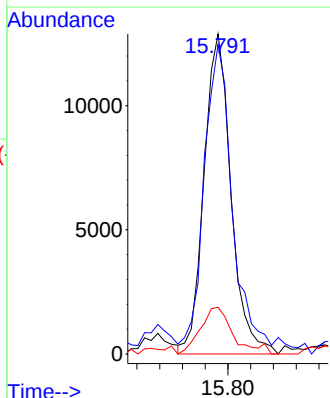
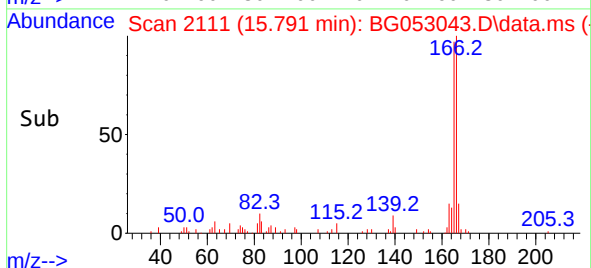
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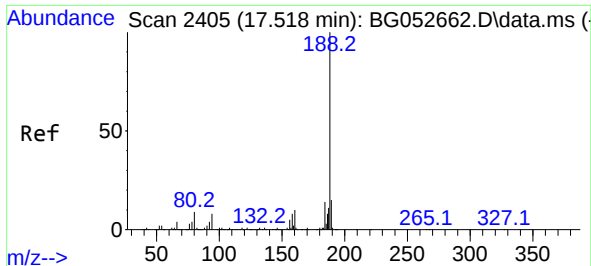


#58
Fluorene
Concen: 2.571 ng
RT: 15.791 min Scan# 2111
Delta R.T. -0.015 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26



Tgt Ion:166 Resp: 21226
Ion Ratio Lower Upper
166 100
165 96.7 78.6 117.8
167 14.6 10.9 16.3





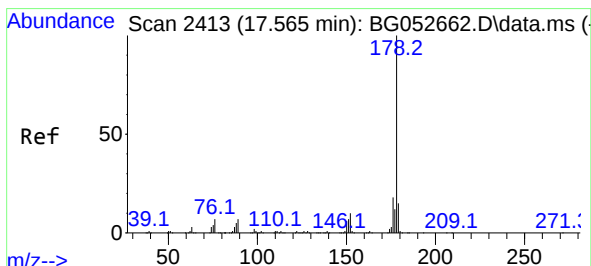
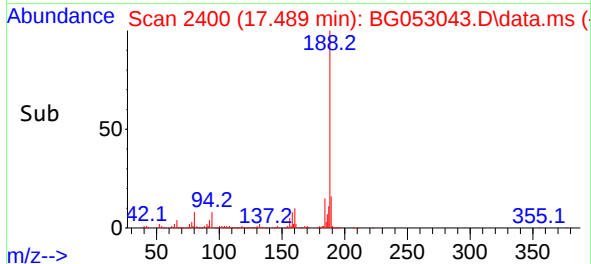
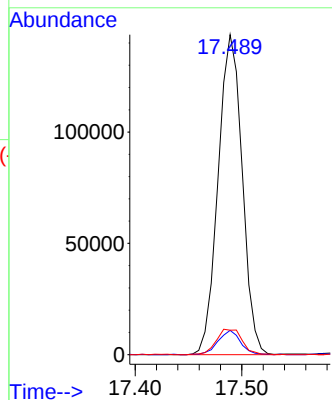
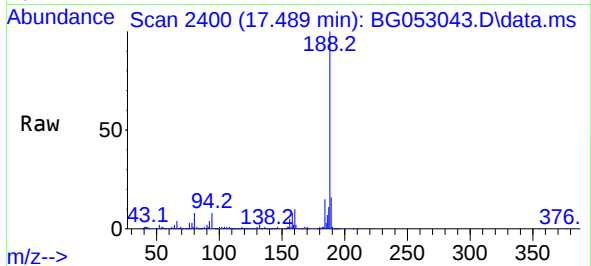
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.489 min Scan# 2405
Delta R.T. -0.015 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

Instrument :
BNA_G
ClientSampleId :
CL-02-040122

Tgt Ion:188 Resp: 22524
Ion Ratio Lower Upper
188 100
94 7.6 5.7 8.5
80 7.6 7.2 10.8

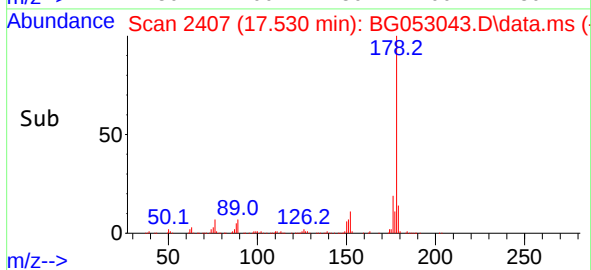
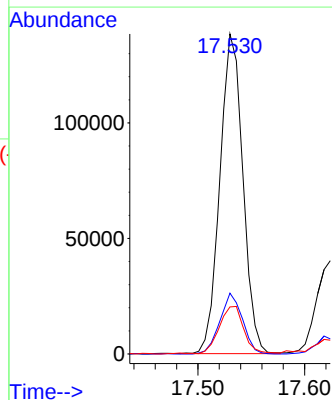
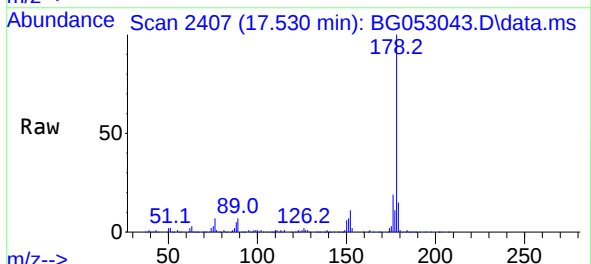
Manual Integrations
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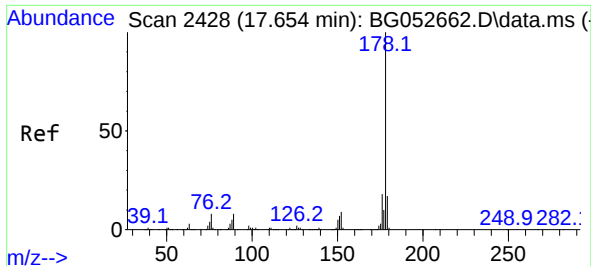
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022



#71
Phenanthrene
Concen: 17.181 ng
RT: 17.530 min Scan# 2407
Delta R.T. -0.021 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

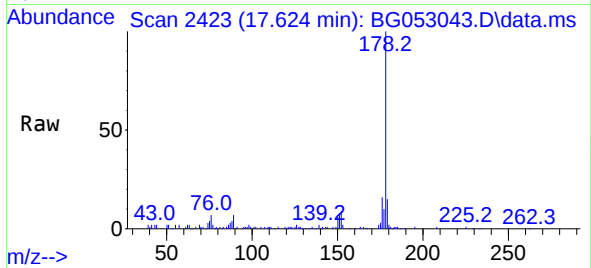
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Ion Ratio Lower Upper
178 100
176 19.0 15.9 23.9
179 14.7 13.4 20.2





#72
 Anthracene
 Concen: 5.004 ng
 RT: 17.624 min Scan# 2428
 Delta R.T. -0.015 min
 Lab File: BG053043.D
 Acq: 5 Apr 2022 22:26

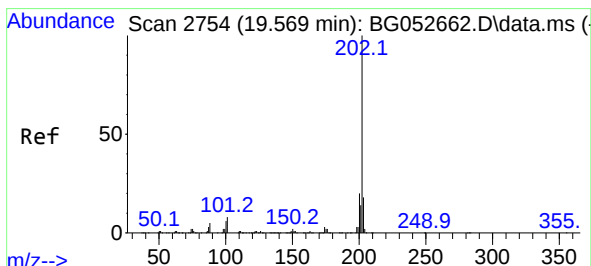
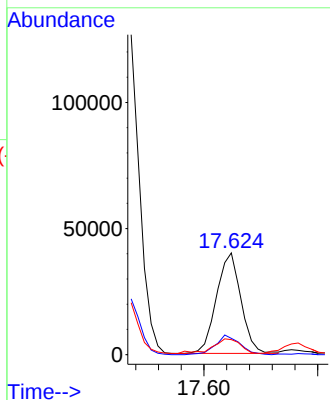
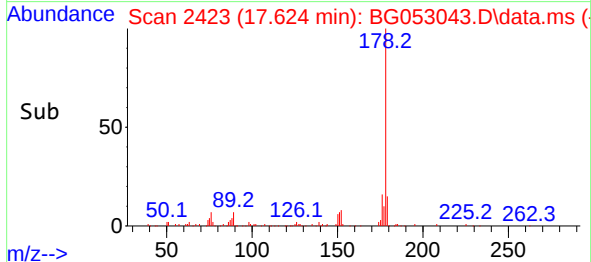
Instrument :
 BNA_G
 ClientSampleId :
 CL-02-040122



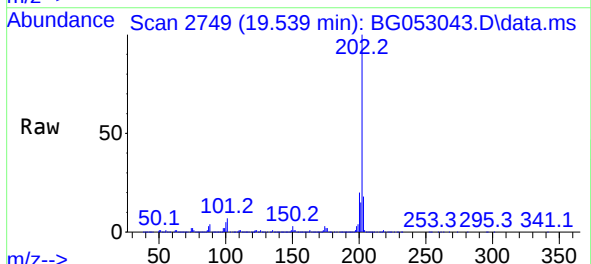
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 Ion Ratio Lower Upper
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 176 16.1 14.7 22.1
 179 14.8 13.2 19.8

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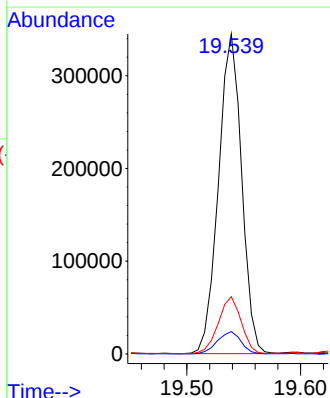
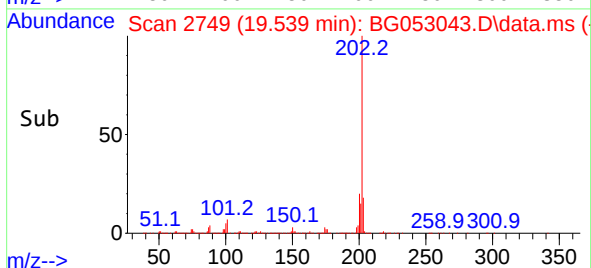
Reviewed By :Christian Giraldo 04/06/2022
 Supervised By :Jagrut Upadhyay 04/06/2022

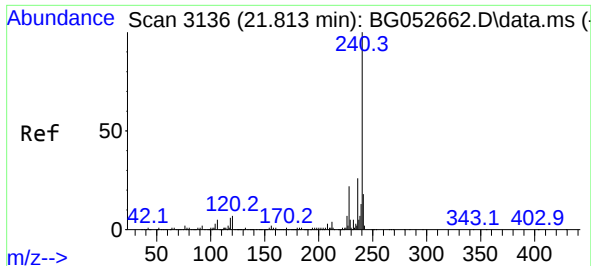


#75
 Fluoranthene
 Concen: 31.859 ng
 RT: 19.539 min Scan# 2749
 Delta R.T. -0.015 min
 Lab File: BG053043.D
 Acq: 5 Apr 2022 22:26



Tgt Ion:202 Resp: 487314
 Ion Ratio Lower Upper
 202 100
 101 7.0 0.0 27.3
 203 17.9 0.0 37.7





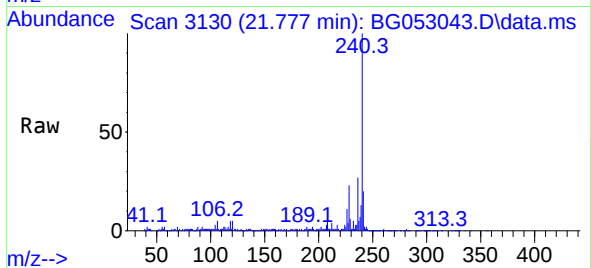
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.777 min Scan# 31
Delta R.T. -0.021 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

Instrument :

BNA_G

ClientSampleId :

CL-02-040122

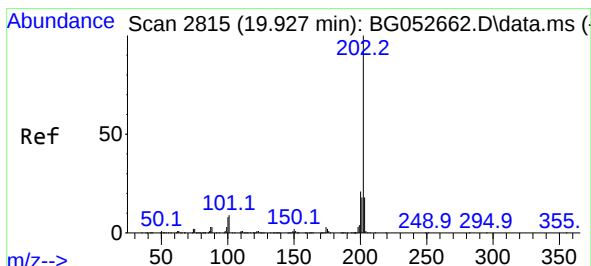
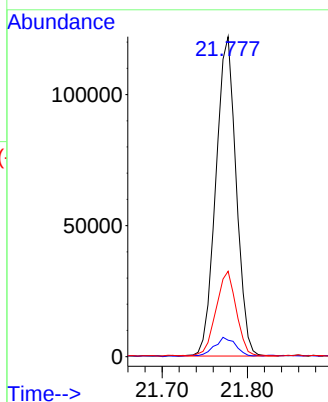
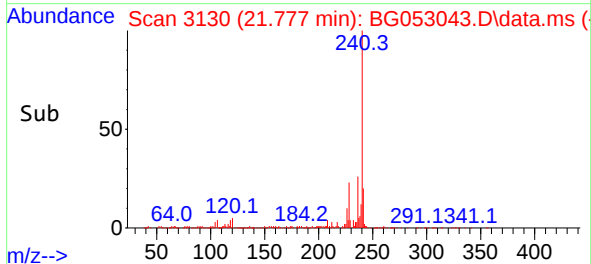


Tgt Ion:240 Resp: 201614
Ion Ratio Lower Upper
240 100
120 5.2 5.4 8.0
236 26.7 19.8 29.6

Manual Integrations

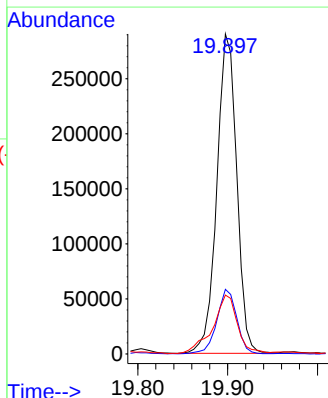
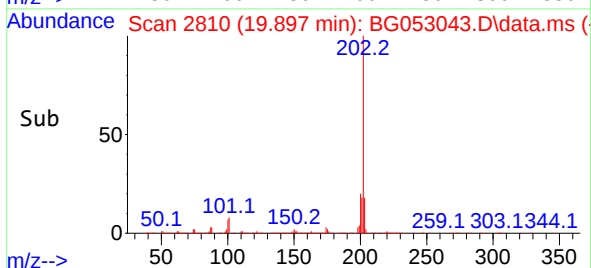
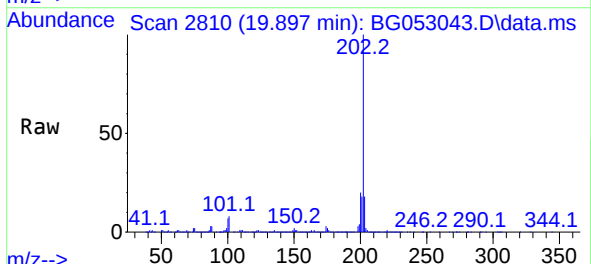
APPROVED

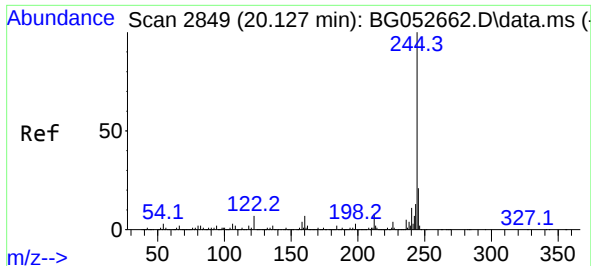
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022



#78
Pyrene
Concen: 31.899 ng
RT: 19.897 min Scan# 2810
Delta R.T. -0.021 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

Tgt Ion:202 Resp: 446113
Ion Ratio Lower Upper
202 100
200 20.2 17.0 25.6
203 18.4 15.0 22.6





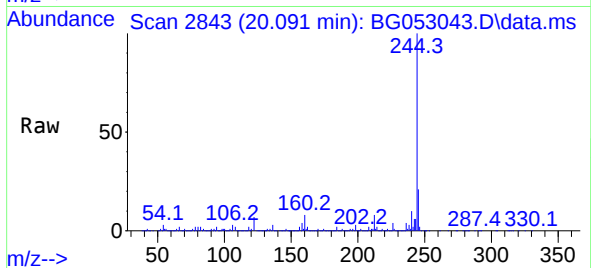
#79
Terphenyl-d14
Concen: 73.653 ng
RT: 20.091 min Scan# 21
Delta R.T. -0.021 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

Instrument :

BNA_G

ClientSampleId :

CL-02-040122

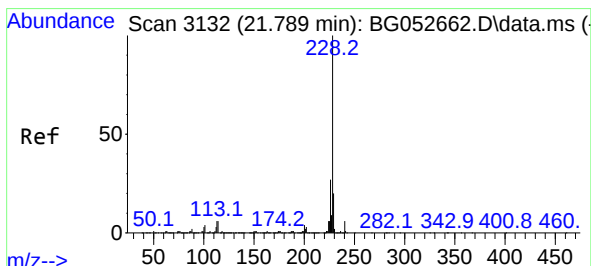
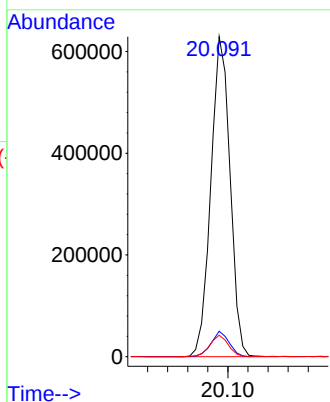
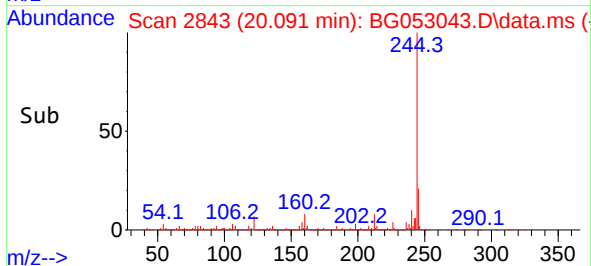


Tgt Ion:244 Resp: 834785
Ion Ratio Lower Upper
244 100
212 8.0 5.4 8.2
122 6.7 5.8 8.6

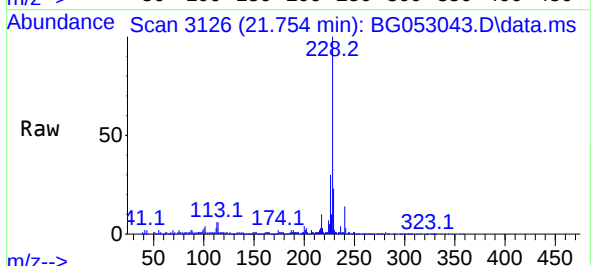
Manual Integrations

APPROVED

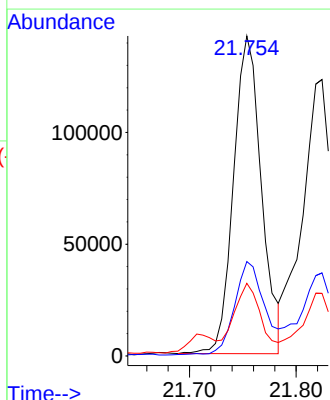
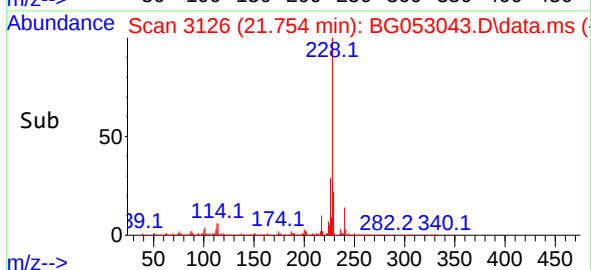
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022

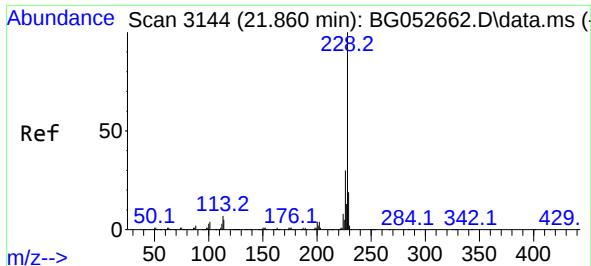


#81
Benzo(a)anthracene
Concen: 19.141 ng
RT: 21.754 min Scan# 3126
Delta R.T. -0.021 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26



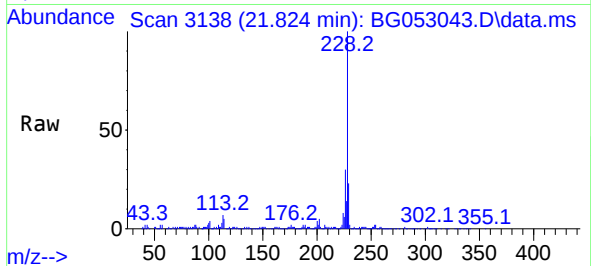
Tgt Ion:228 Resp: 258415
Ion Ratio Lower Upper
228 100
226 29.5 21.4 32.0
229 22.7 16.7 25.1





#83
Chrysene
Concen: 18.858 ng
RT: 21.824 min Scan# 3144
Delta R.T. -0.021 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

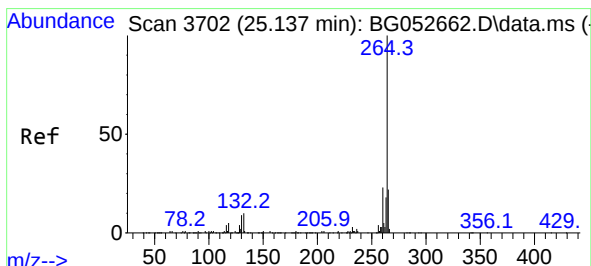
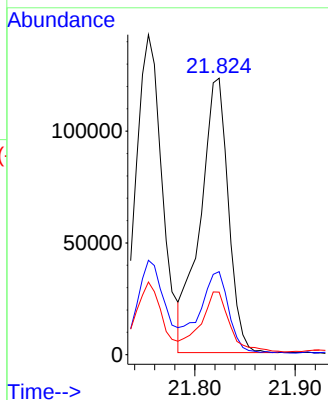
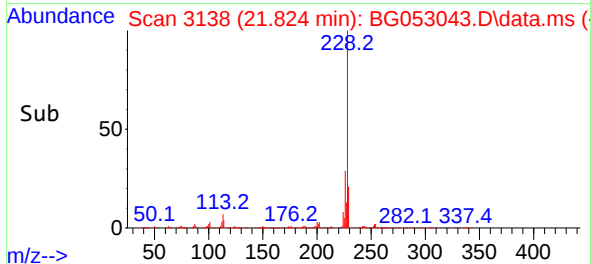
Instrument :
BNA_G
ClientSampleId :
CL-02-040122



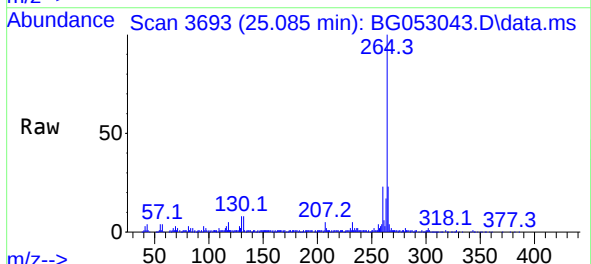
Tgt Ion:228 Resp: 23934
Ion Ratio Lower Upper
228 100
226 30.0 24.2 36.4
229 22.7 16.3 24.5

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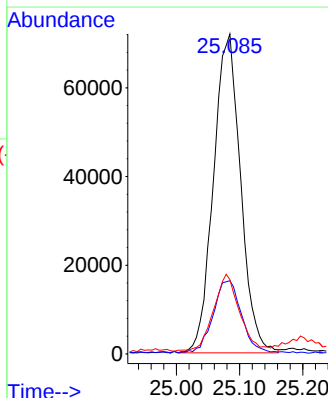
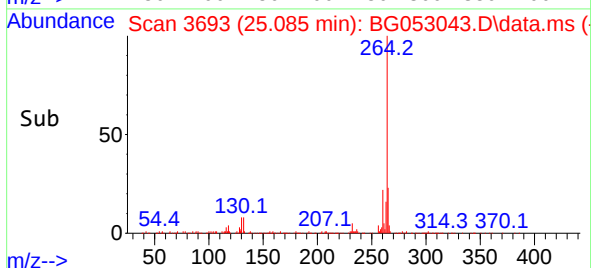
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022

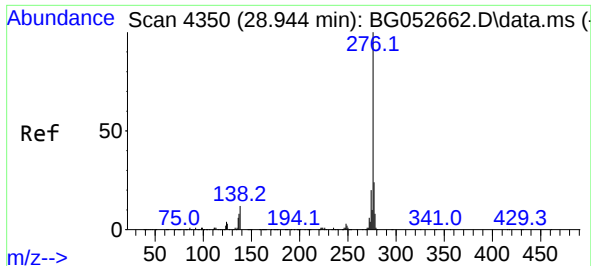


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.085 min Scan# 3693
Delta R.T. -0.027 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26



Tgt Ion:264 Resp: 214224
Ion Ratio Lower Upper
264 100
260 22.9 18.2 27.2
265 23.3 15.1 22.7#





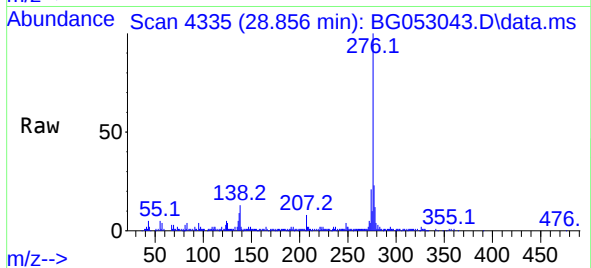
#87
Indeno(1,2,3-cd)pyrene
Concen: 14.493 ng
RT: 28.856 min Scan# 41
Delta R.T. -0.044 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

Instrument :

BNA_G

ClientSampleId :

CL-02-040122

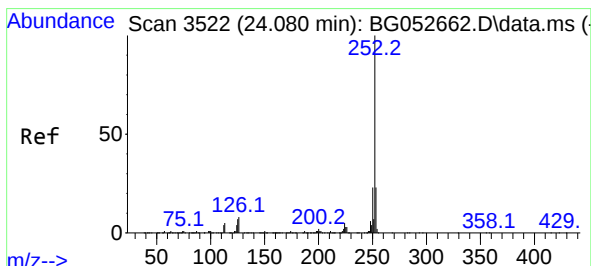
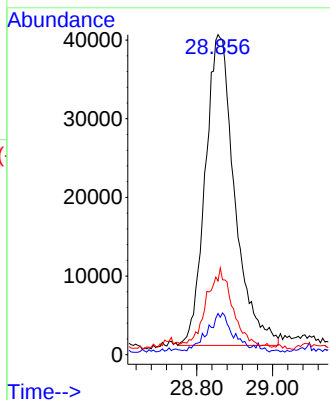
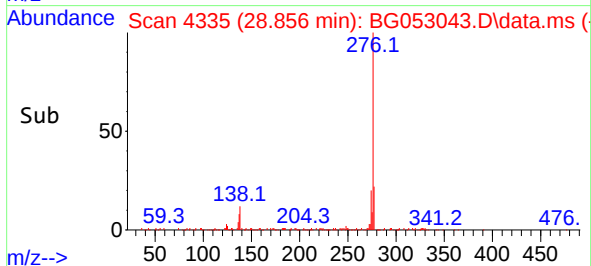


Tgt Ion:276 Resp: 21250
Ion Ratio Lower Upper
276 100
138 10.1 8.7 13.1
277 22.0 20.2 30.4

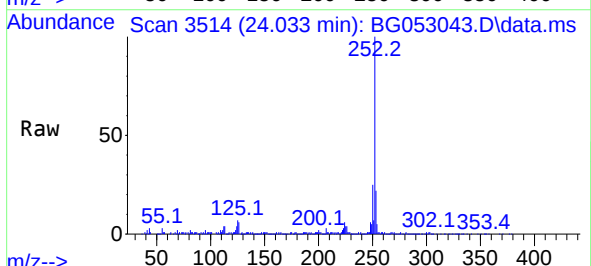
Manual Integrations

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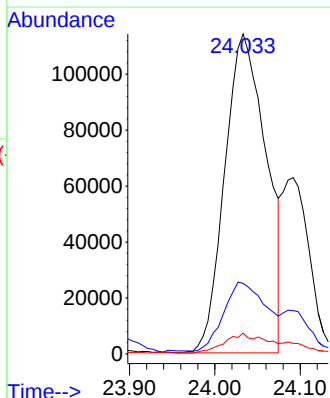
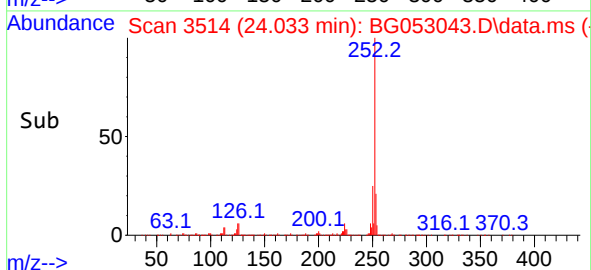
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022

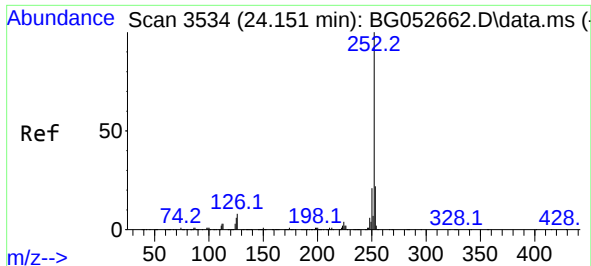


#88
Benzo(b)fluoranthene
Concen: 29.029 ng
RT: 24.033 min Scan# 3514
Delta R.T. -0.021 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26



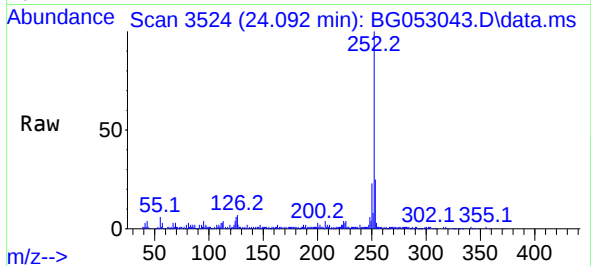
Tgt Ion:252 Resp: 386129
Ion Ratio Lower Upper
252 100
253 22.0 17.2 25.8
125 6.5 5.2 7.8





#89
Benzo(k)fluoranthene
Concen: 10.352 ng m
RT: 24.092 min Scan# 31
Delta R.T. -0.039 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

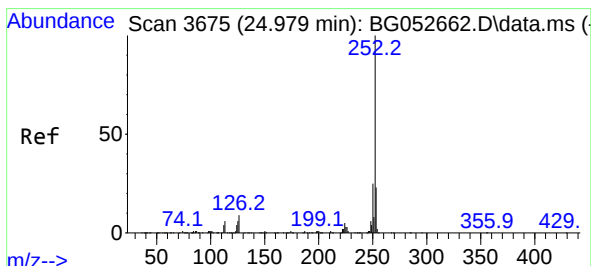
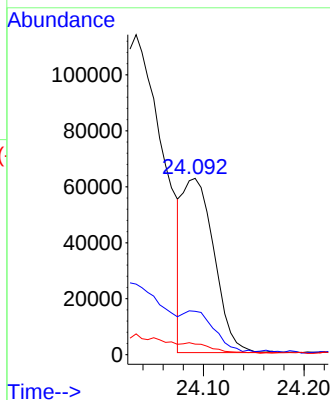
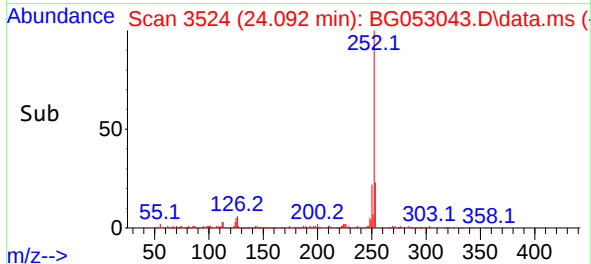
Instrument :
BNA_G
ClientSampleId :
CL-02-040122



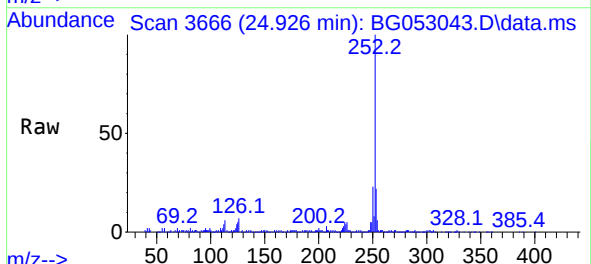
Tgt Ion:252 Resp: 135470
Ion Ratio Lower Upper
252 100
253 24.6 17.4 26.0
125 6.0 5.0 7.4

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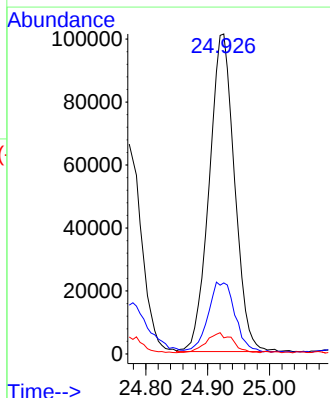
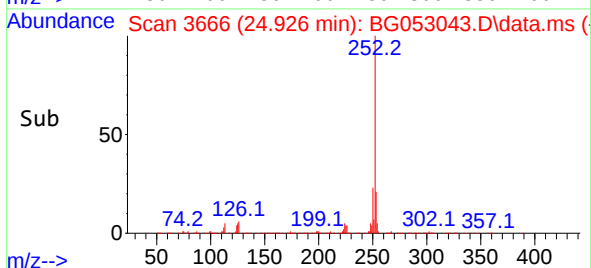
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022

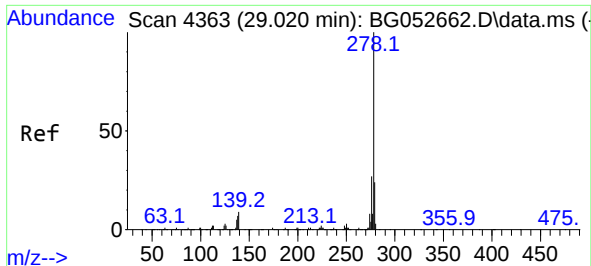


#90
Benzo(a)pyrene
Concen: 25.476 ng m
RT: 24.926 min Scan# 3666
Delta R.T. -0.027 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26



Tgt Ion:252 Resp: 286840
Ion Ratio Lower Upper
252 100
253 22.2 18.4 27.6
125 5.1 5.6 8.4#





#91
Dibenzo(a,h)anthracene
Concen: 4.171 ng
RT: 28.909 min Scan# 41
Delta R.T. -0.062 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

Instrument :

BNA_G

ClientSampleId :

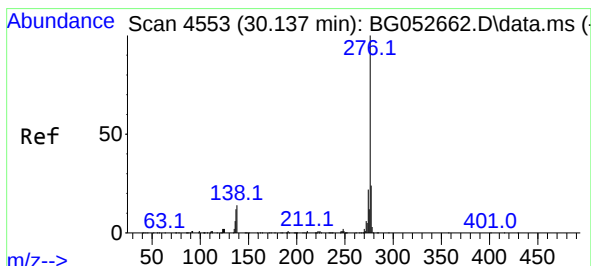
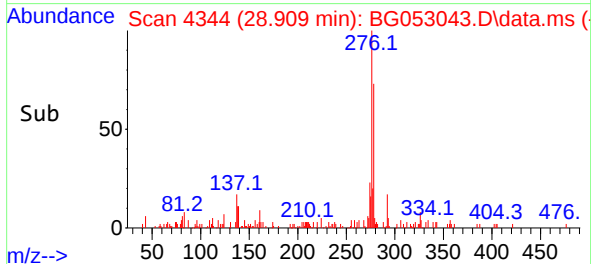
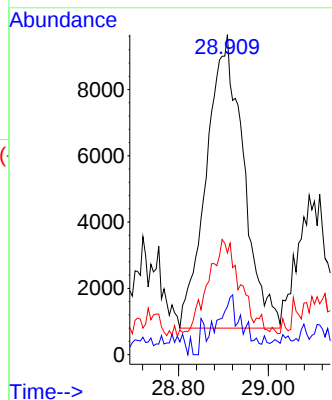
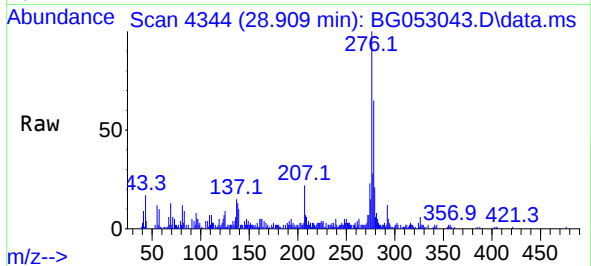
CL-02-040122

Tgt Ion:278 Resp: 50390
Ion Ratio Lower Upper
278 100
139 15.0 7.8 11.6
279 31.8 18.5 27.7

Manual Integrations

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



#92
Benzo(g,h,i)perylene
Concen: 18.648 ng
RT: 30.043 min Scan# 4537
Delta R.T. -0.050 min
Lab File: BG053043.D
Acq: 5 Apr 2022 22:26

Tgt Ion:276 Resp: 222934
Ion Ratio Lower Upper
276 100
277 24.0 18.2 27.2
138 9.7 9.1 13.7

