

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052722\
 Data File : BG053745.D
 Acq On : 27 May 2022 22:53
 Operator : CG/JU
 Sample : N3077-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-02-052622

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/28/2022
 Supervised By : Jagrut Upadhyay 05/31/2022

Quant Time: May 28 02:01:38 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 15:11:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.951	152	35684	20.000	ng	-0.03
21) Naphthalene-d8	10.765	136	135112	20.000	ng	-0.03
39) Acenaphthene-d10	14.595	164	89835	20.000	ng	-0.03
64) Phenanthrene-d10	17.344	188	178975	20.000	ng	-0.03
76) Chrysene-d12	21.609	240	164334	20.000	ng	-0.03
86) Perylene-d12	24.811	264	138442	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.537	112	213079	101.341	ng	-0.02
7) Phenol-d6	7.158	99	318240	99.730	ng	0.00
23) Nitrobenzene-d5	9.120	82	225080	70.914	ng	-0.03
42) 2,4,6-Tribromophenol	16.093	330	123817	93.449	ng	-0.02
45) 2-Fluorobiphenyl	13.221	172	462472	75.227	ng	-0.02
79) Terphenyl-d14	19.959	244	624988	70.833	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	10.818	128	17900	2.604	ng	99
37) 2-Methylnaphthalene	12.422	142	17229	3.359	ng	96
38) 1-Methylnaphthalene	12.639	142	17789m	3.555	ng	
52) Acenaphthene	14.660	154	10482	2.297	ng	96
58) Fluorene	15.647	166	17738	2.697	ng	# 95
71) Phenanthrene	17.386	178	132316	14.539	ng	99
72) Anthracene	17.480	178	29094	3.253	ng	98
75) Fluoranthene	19.401	202	228263	19.371	ng	98
78) Pyrene	19.765	202	232691	21.873	ng	100
81) Benzo(a)anthracene	21.592	228	104699	9.989	ng	95
83) Chrysene	21.656	228	114285m	11.674	ng	
87) Indeno(1,2,3-cd)pyrene	28.465	276	33607	3.485	ng	# 94
88) Benzo(b)fluoranthene	23.800	252	126636	15.454	ng	# 80
89) Benzo(k)fluoranthene	23.847	252	41858m	5.198	ng	
90) Benzo(a)pyrene	24.658	252	85117	12.203	ng	# 86
92) Benzo(g,h,i)perylene	29.628	276	34311	4.357	ng	# 78

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

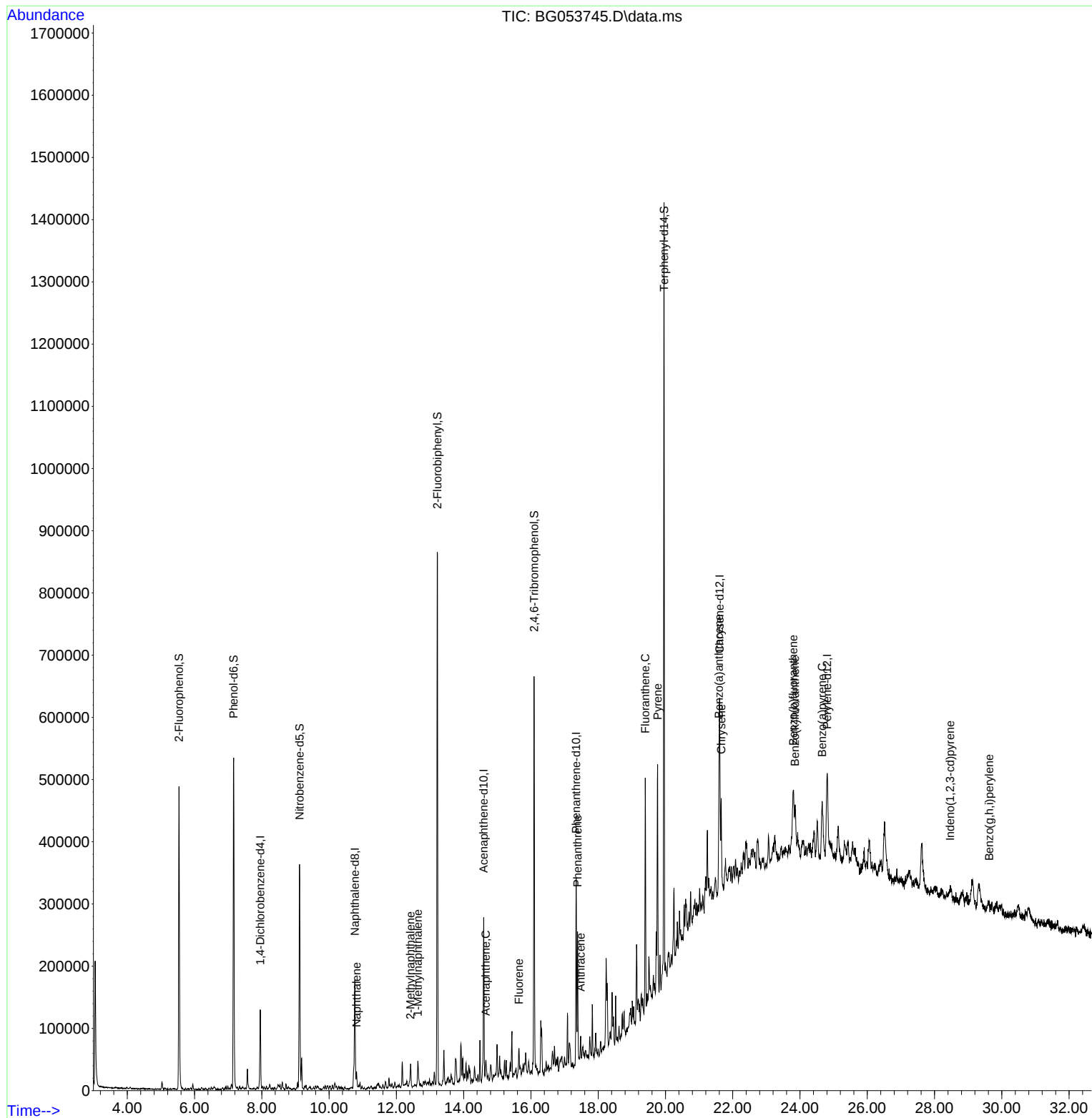
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052722\
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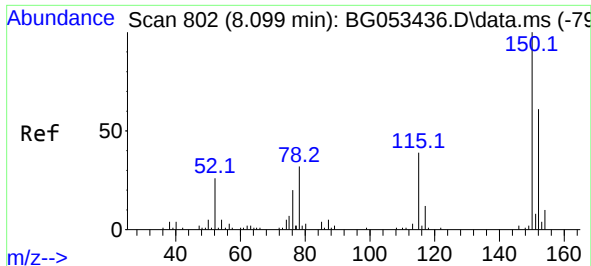
Instrument :
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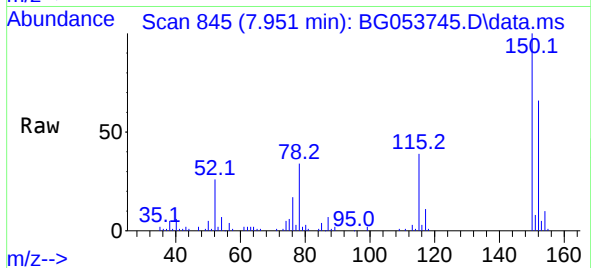
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.951 min Scan# 84
Delta R.T. -0.035 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53

Instrument :

BNA_G

ClientSampleId :

CL-02-052622

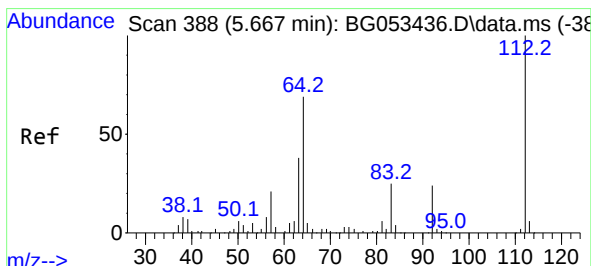
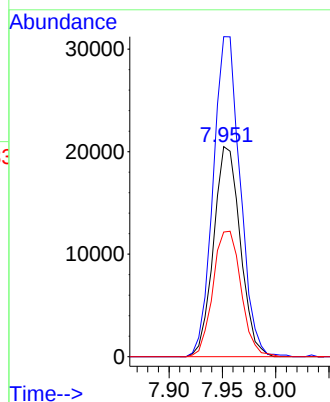


Tgt Ion:152 Resp: 35684
Ion Ratio Lower Upper
152 100
150 152.3 131.6 197.4
115 59.4 50.9 76.3

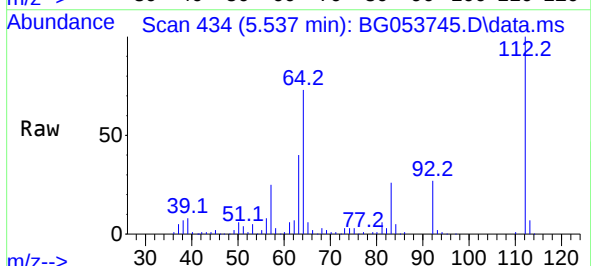
Manual Integrations

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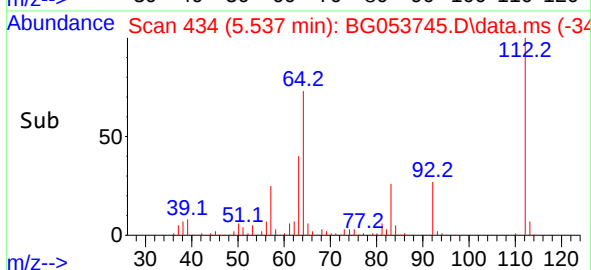
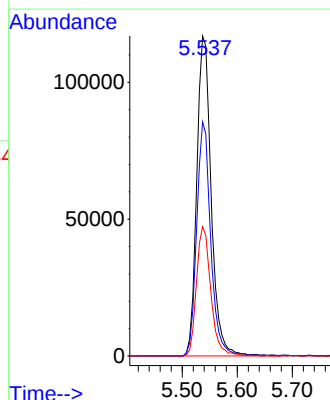
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022

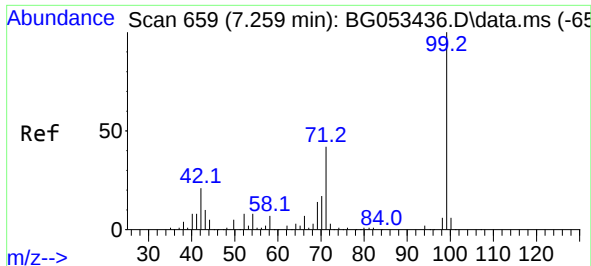


#5
2-Fluorophenol
Concen: 101.341 ng
RT: 5.537 min Scan# 434
Delta R.T. -0.017 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53



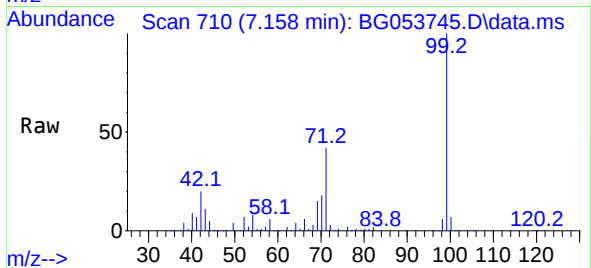
Tgt Ion:112 Resp: 213079
Ion Ratio Lower Upper
112 100
64 73.1 55.1 82.7
63 40.4 30.4 45.6





#7
Phenol-d6
Concen: 99.730 ng
RT: 7.158 min Scan# 71
Delta R.T. -0.006 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53

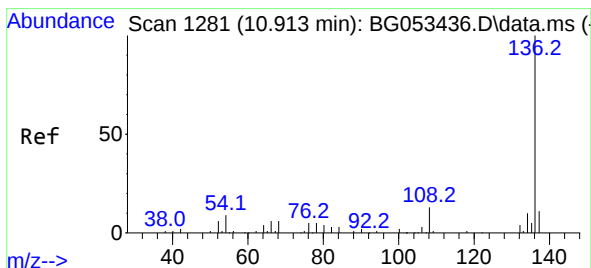
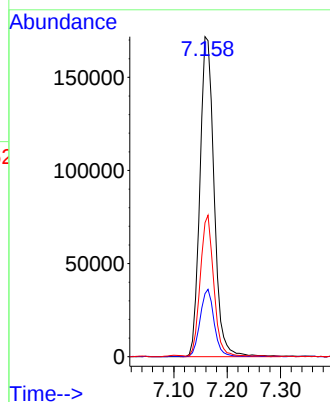
Instrument :
BNA_G
ClientSampleId :
CL-02-052622



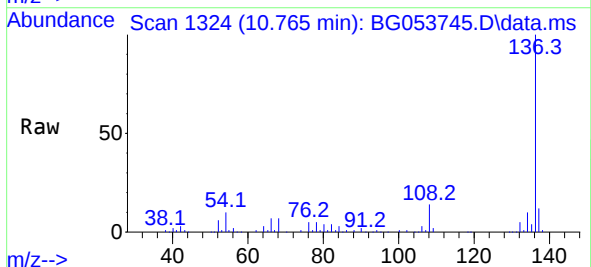
Tgt Ion: 99 Resp: 318240
Ion Ratio Lower Upper
99 100
42 19.7 17.0 25.6
71 41.9 33.8 50.8

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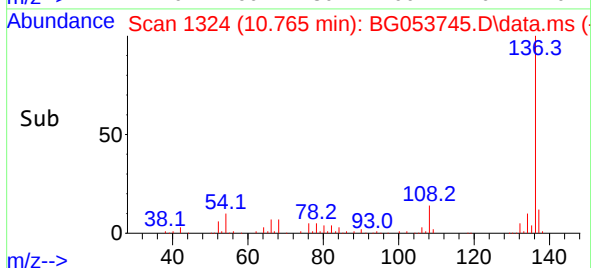
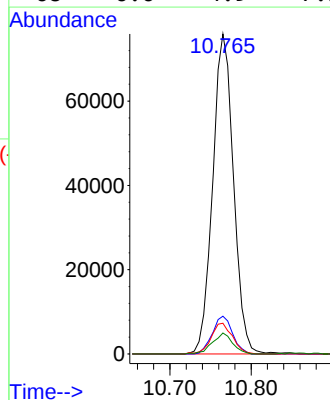
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.765 min Scan# 1324
Delta R.T. -0.035 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53



Tgt Ion:136 Resp: 135112
Ion Ratio Lower Upper
136 100
137 11.8 8.5 12.7
54 9.6 7.4 11.2
68 6.6 4.9 7.3





#23

Nitrobenzene-d5

Concen: 70.914 ng

RT: 9.120 min Scan# 1044

Delta R.T. -0.035 min

Lab File: BG053745.D

Acq: 27 May 2022 22:53

Instrument :

BNA_G

ClientSampleId :

CL-02-052622

Tgt Ion: 82 Resp: 225080

Ion Ratio Lower Upper

82 100

128 35.4 27.9 41.9

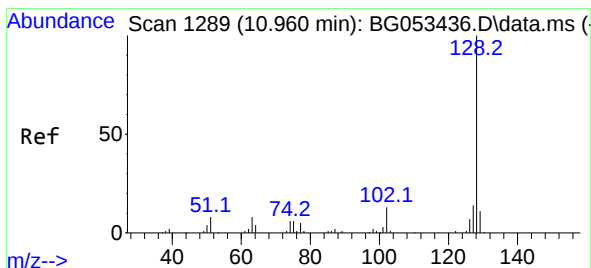
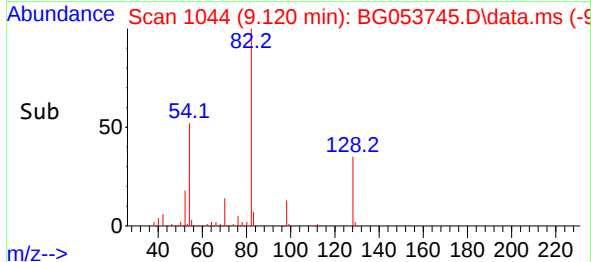
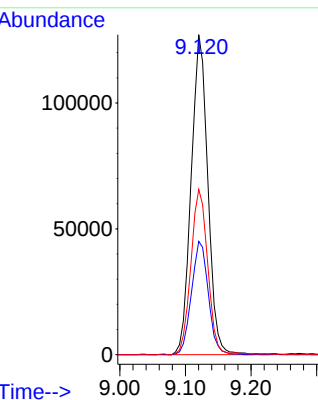
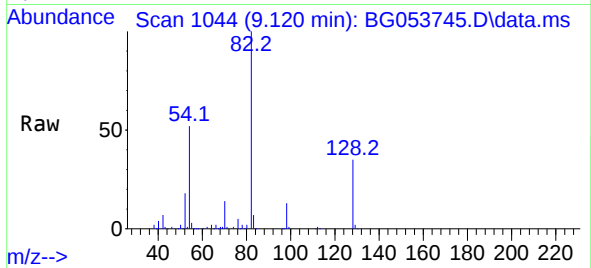
54 51.7 41.2 61.8

Manual Integrations

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#31

Naphthalene

Concen: 2.604 ng

RT: 10.818 min Scan# 1333

Delta R.T. -0.029 min

Lab File: BG053745.D

Acq: 27 May 2022 22:53

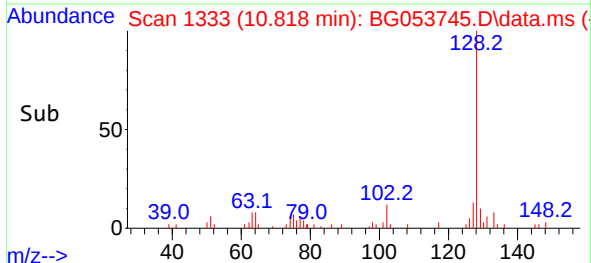
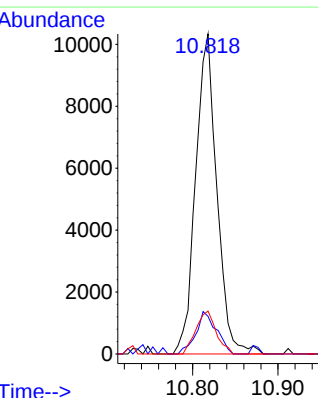
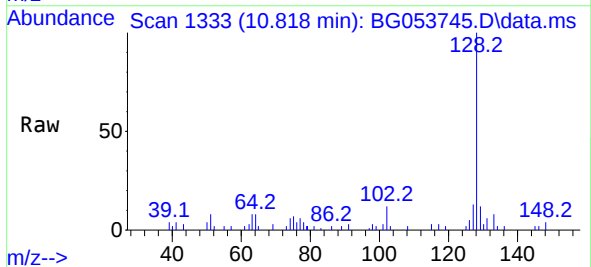
Tgt Ion:128 Resp: 17900

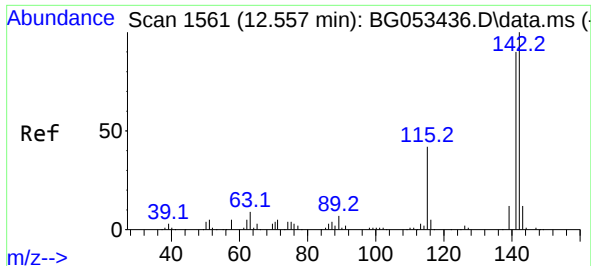
Ion Ratio Lower Upper

128 100

129 11.7 9.0 13.6

127 13.4 11.1 16.7





#37

2-Methylnaphthalene

Concen: 3.359 ng

RT: 12.422 min Scan# 1

Delta R.T. -0.035 min

Lab File: BG053745.D

Acq: 27 May 2022 22:53

Instrument :

BNA_G

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CL-02-052622

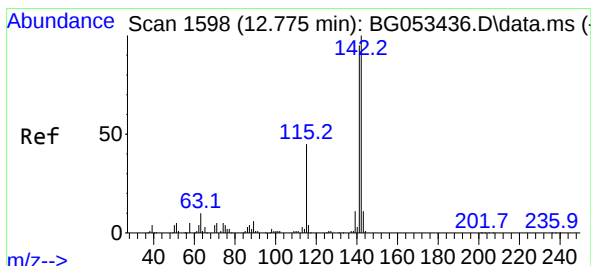
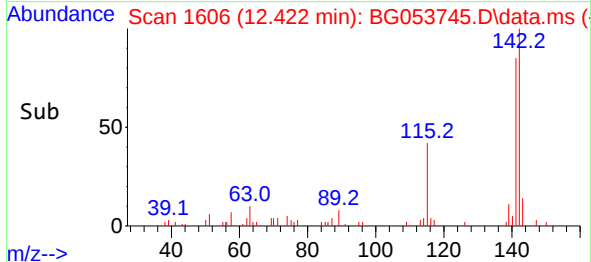
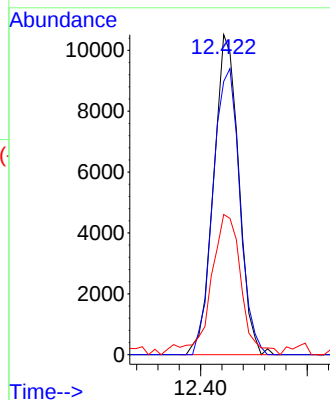
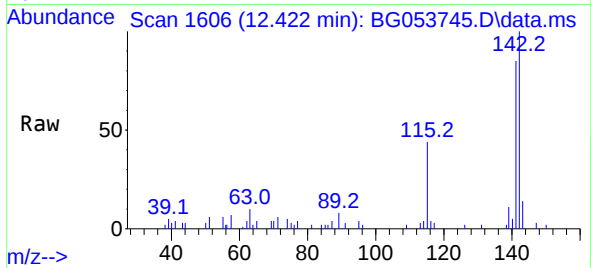
Tgt Ion:142	Resp:	17229
Ion Ratio	Lower	Upper
142	100	
141	85.4	72.3 108.5
115	43.8	33.7 50.5

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/31/2022



#38

1-Methylnaphthalene

Concen: 3.555 ng m

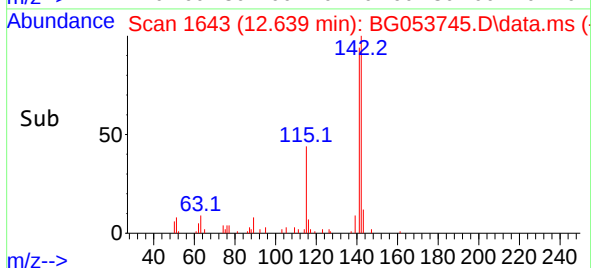
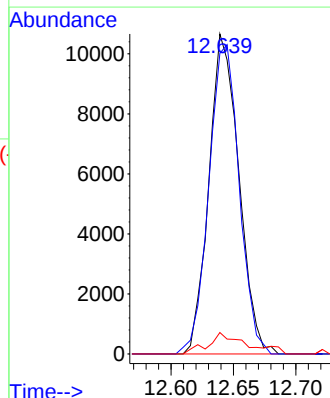
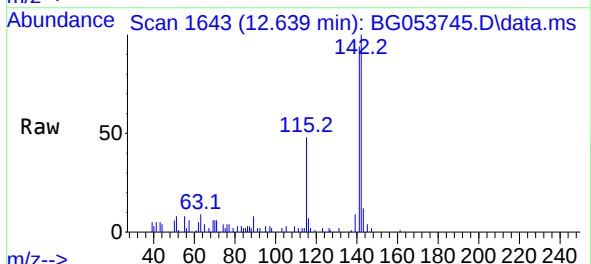
RT: 12.639 min Scan# 1643

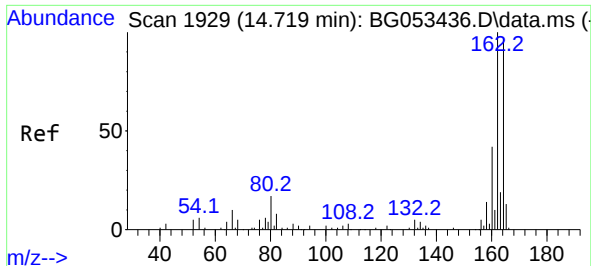
Delta R.T. -0.035 min

Lab File: BG053745.D

Acq: 27 May 2022 22:53

Tgt Ion:142	Resp:	17789
Ion Ratio	Lower	Upper
142	100	
141	93.9	76.4 114.6
116	6.7	3.3 4.9#





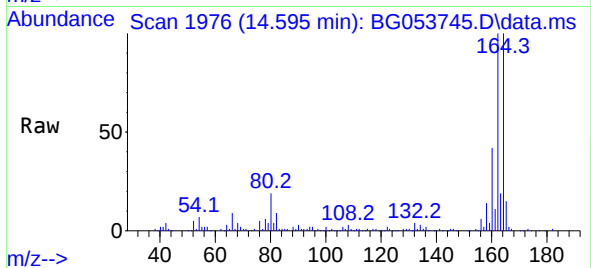
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.595 min Scan# 1929
Delta R.T. -0.029 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53

Instrument :

BNA_G

ClientSampleId :

CL-02-052622

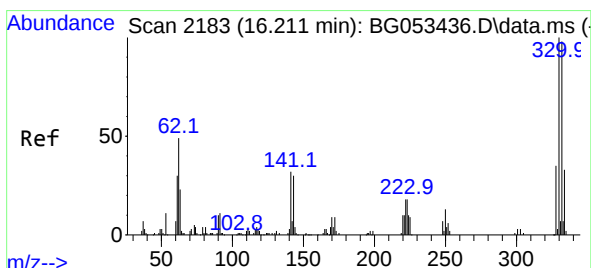
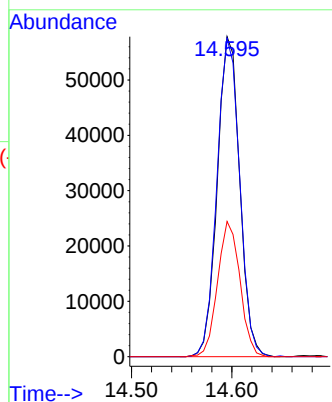
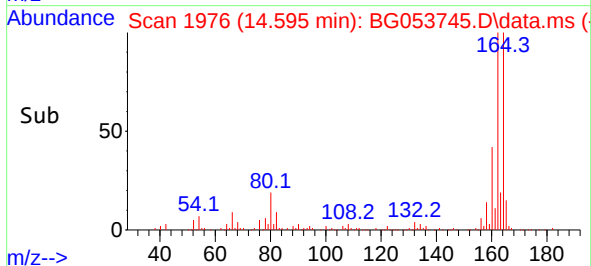


Tgt Ion:164 Resp: 89835
Ion Ratio Lower Upper
164 100
162 99.5 82.3 123.5
160 42.3 34.2 51.2

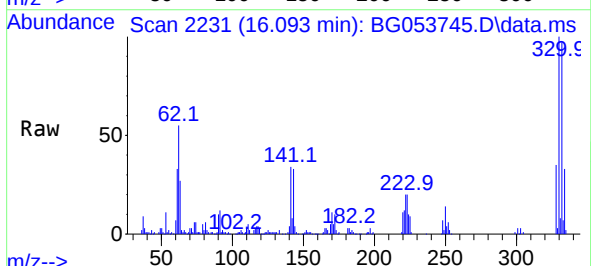
Manual Integrations

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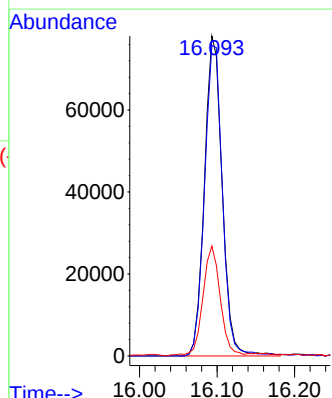
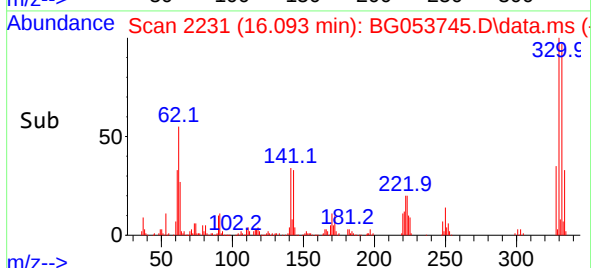
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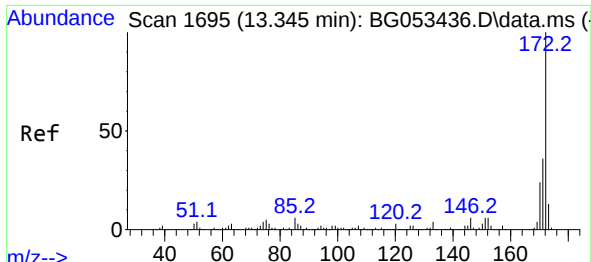


#42
2,4,6-Tribromophenol
Concen: 93.449 ng
RT: 16.093 min Scan# 2231
Delta R.T. -0.023 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53



Tgt Ion:330 Resp: 123817
Ion Ratio Lower Upper
330 100
332 98.1 76.0 114.0
141 33.8 27.1 40.7





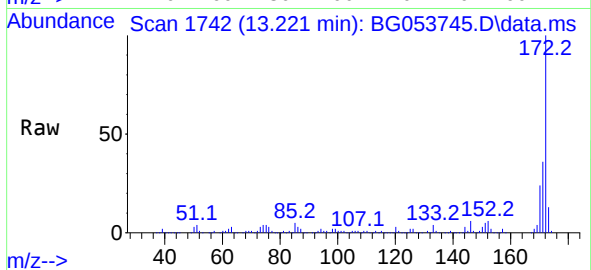
#45
2-Fluorobiphenyl
Concen: 75.227 ng
RT: 13.221 min Scan# 11
Delta R.T. -0.023 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53

Instrument :

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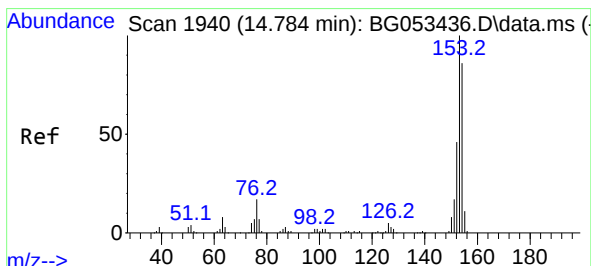
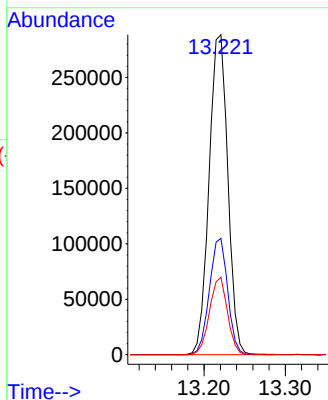
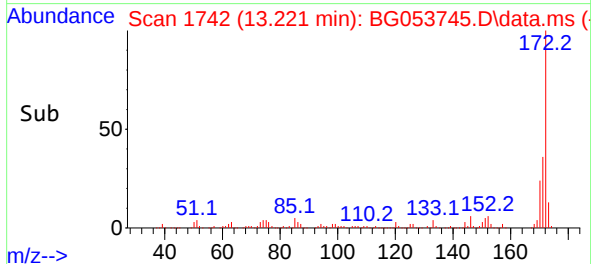


Tgt Ion:172 Resp: 462472
Ion Ratio Lower Upper
172 100
171 36.3 28.5 42.7
170 24.2 18.9 28.3

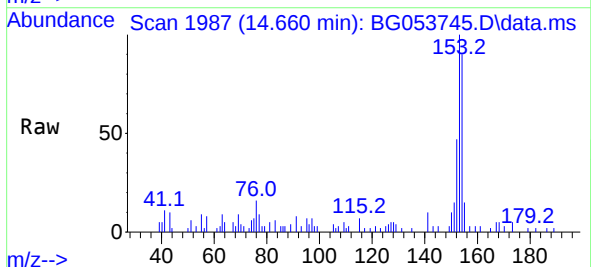
Manual Integrations

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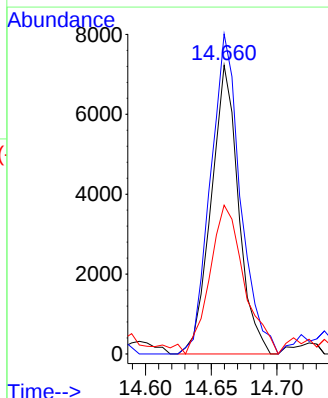
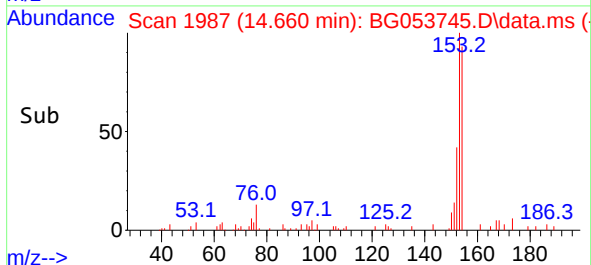
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022

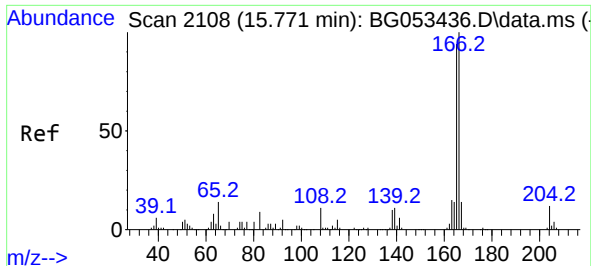


#52
Acenaphthene
Concen: 2.297 ng
RT: 14.660 min Scan# 1987
Delta R.T. -0.029 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53



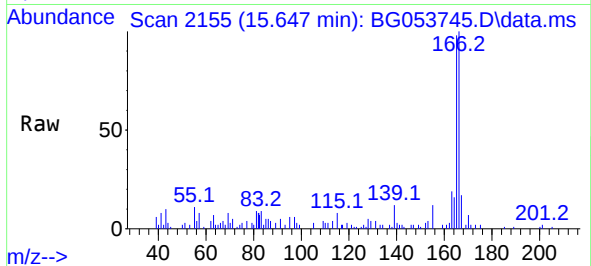
Tgt Ion:154 Resp: 10482
Ion Ratio Lower Upper
154 100
153 110.9 92.7 139.1
152 51.6 42.6 64.0





#58
Fluorene
Concen: 2.697 ng
RT: 15.647 min Scan# 2108
Delta R.T. -0.029 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53

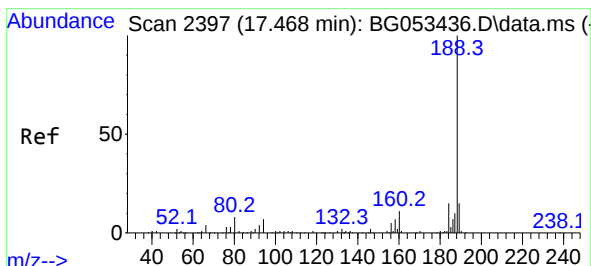
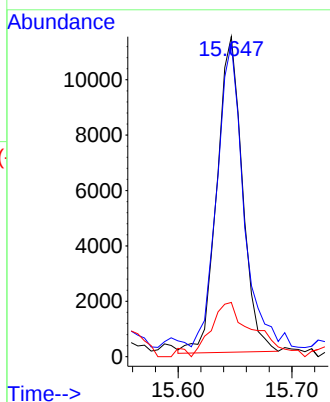
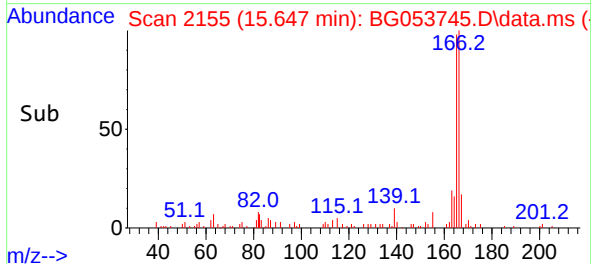
Instrument :
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CL-02-052622



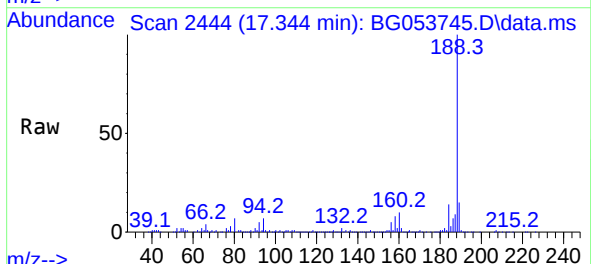
Tgt Ion:166 Resp: 17738
Ion Ratio Lower Upper
166 100
165 97.9 75.0 112.6
167 17.0 10.8 16.2

Manual Integrations
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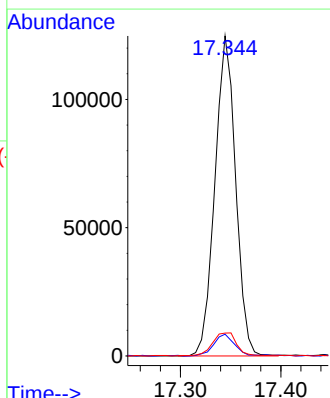
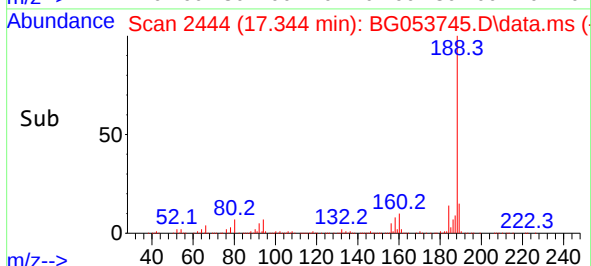
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022

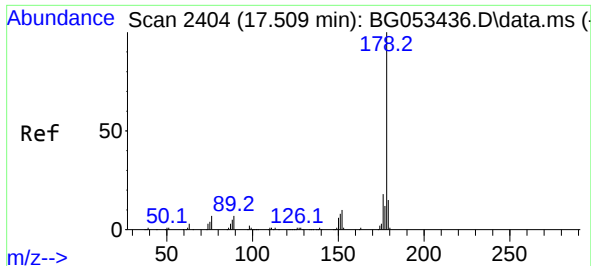


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.344 min Scan# 2444
Delta R.T. -0.029 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53



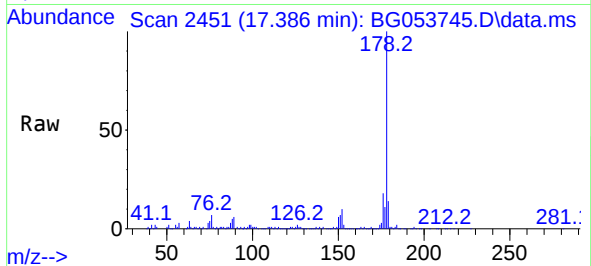
Tgt Ion:188 Resp: 178975
Ion Ratio Lower Upper
188 100
94 6.8 5.4 8.0
80 7.2 6.8 10.2





#71
Phenanthrene
Concen: 14.539 ng
RT: 17.386 min Scan# 2404
Delta R.T. -0.029 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53

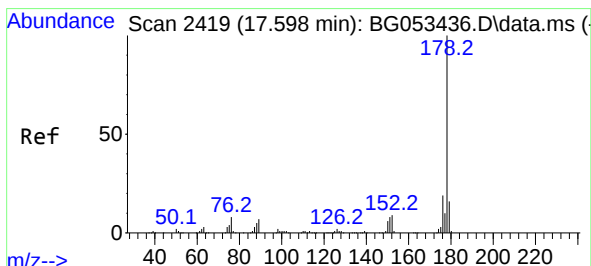
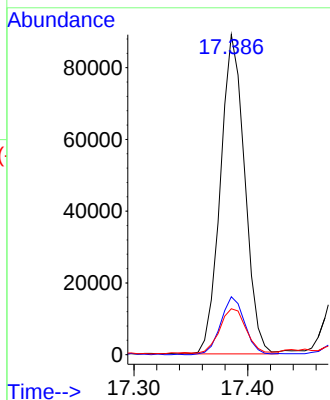
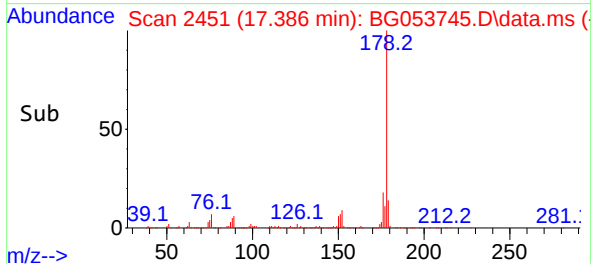
Instrument :
BNA_G
ClientSampleId :
CL-02-052622



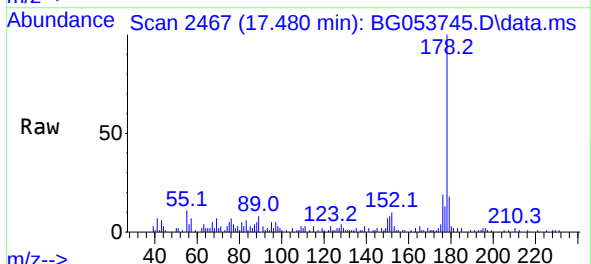
Tgt Ion:178 Resp: 132310
Ion Ratio Lower Upper
178 100
176 18.1 14.1 21.1
179 14.4 12.1 18.1

Manual Integrations
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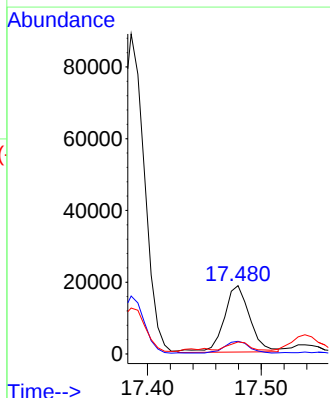
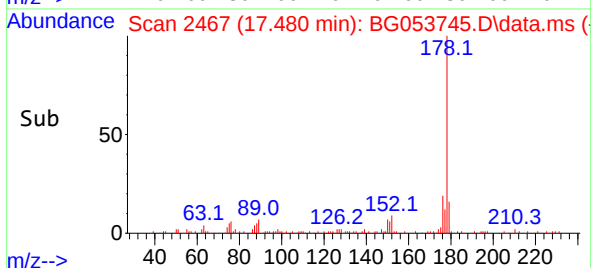
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022

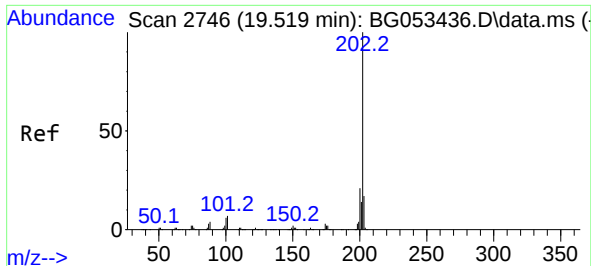


#72
Anthracene
Concen: 3.253 ng
RT: 17.480 min Scan# 2467
Delta R.T. -0.023 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53



Tgt Ion:178 Resp: 29094
Ion Ratio Lower Upper
178 100
176 18.6 15.2 22.8
179 17.6 13.0 19.4





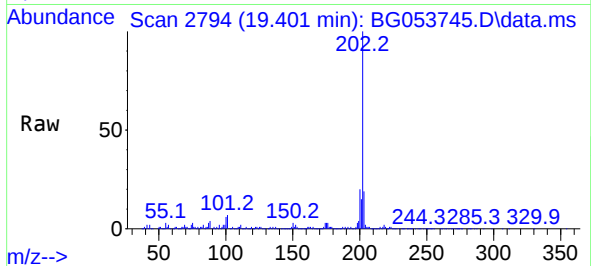
#75
Fluoranthene
Concen: 19.371 ng
RT: 19.401 min Scan# 21
Delta R.T. -0.023 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53

Instrument :

BNA_G

ClientSampleId :

CL-02-052622

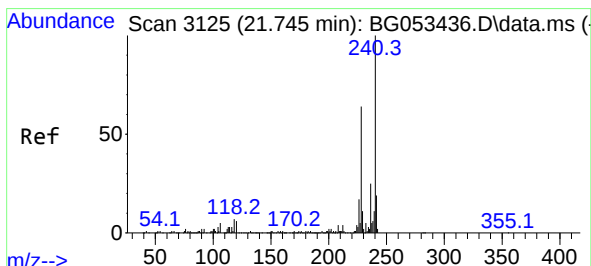
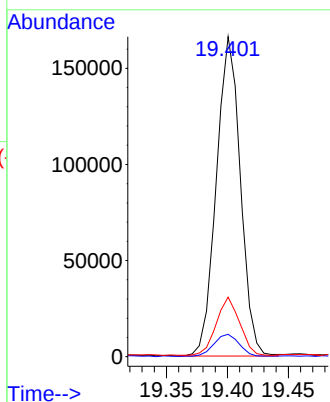
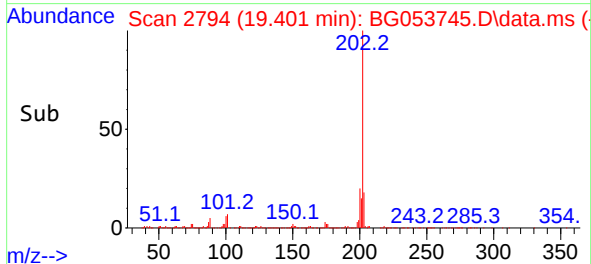


Tgt Ion:202 Resp: 22826
Ion Ratio Lower Upper
202 100
101 7.0 0.0 26.9
203 18.6 0.0 37.2

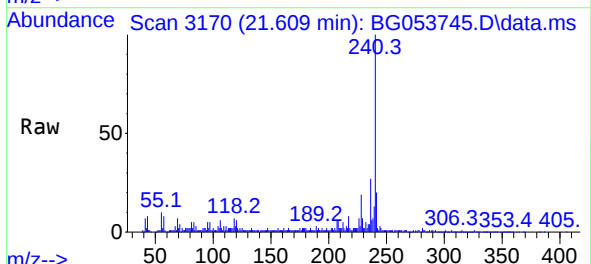
Manual Integrations

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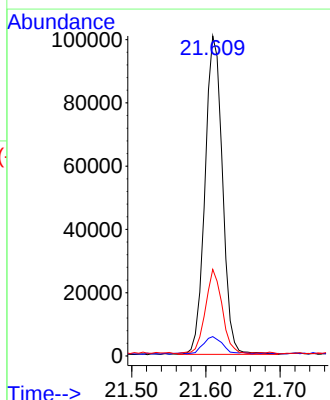
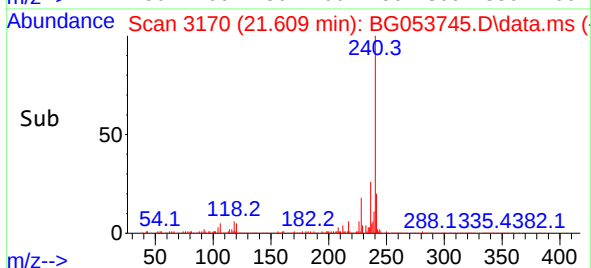
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022

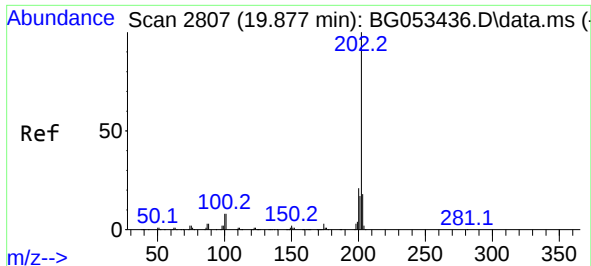


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.609 min Scan# 3170
Delta R.T. -0.029 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53



Tgt Ion:240 Resp: 164334
Ion Ratio Lower Upper
240 100
120 6.1 4.6 7.0
236 27.0 20.2 30.4





#78
Pyrene
Concen: 21.873 ng
RT: 19.765 min Scan# 21
Delta R.T. -0.023 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53

Instrument :

BNA_G

ClientSampleId :

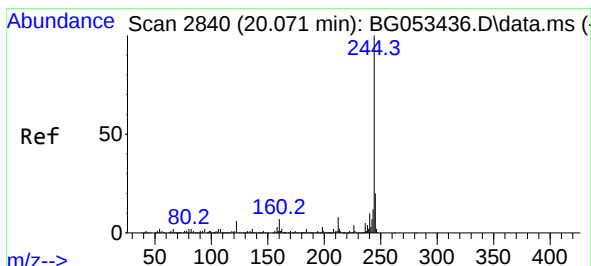
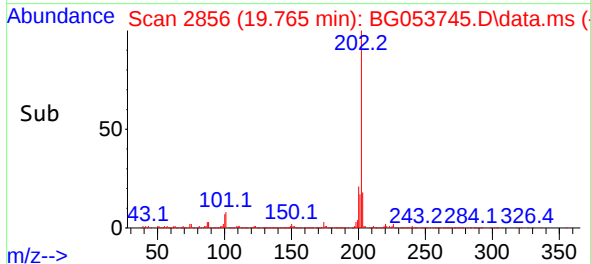
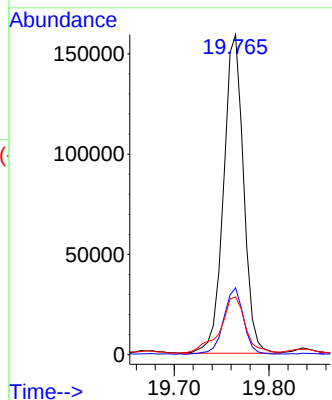
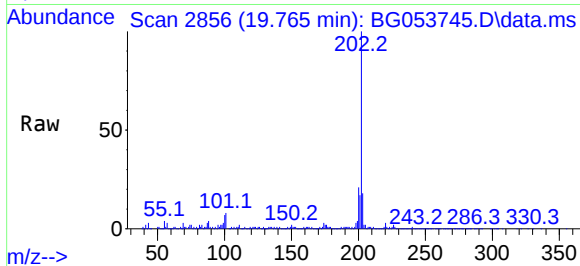
CL-02-052622

Tgt Ion:202 Resp: 23269
Ion Ratio Lower Upper
202 100
200 20.9 16.6 24.8
203 18.0 14.6 21.8

Manual Integrations

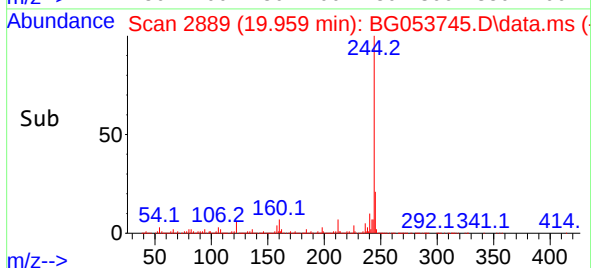
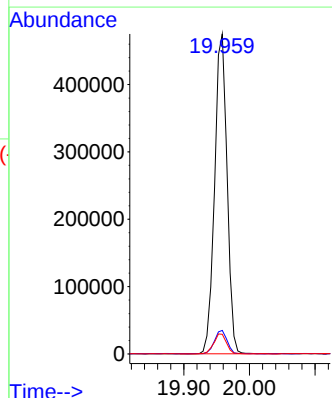
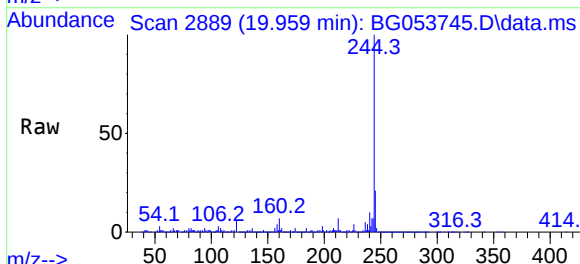
APPROVED

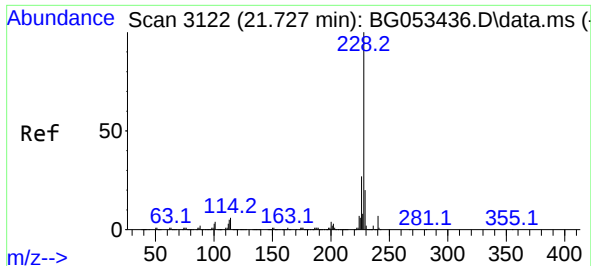
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#79
Terphenyl-d14
Concen: 70.833 ng
RT: 19.959 min Scan# 2889
Delta R.T. -0.017 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53

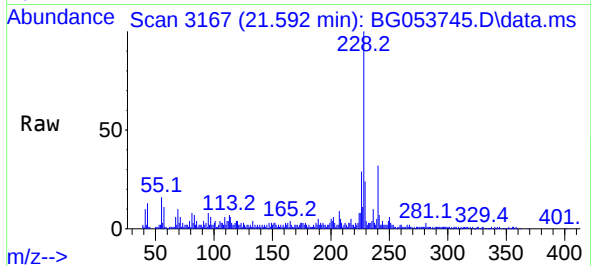
Tgt Ion:244 Resp: 624988
Ion Ratio Lower Upper
244 100
212 7.4 6.5 9.7
122 6.2 5.0 7.4





#81
Benzo(a)anthracene
Concen: 9.989 ng
RT: 21.592 min Scan# 3167
Delta R.T. -0.023 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53

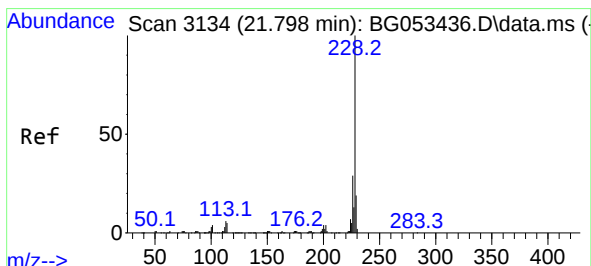
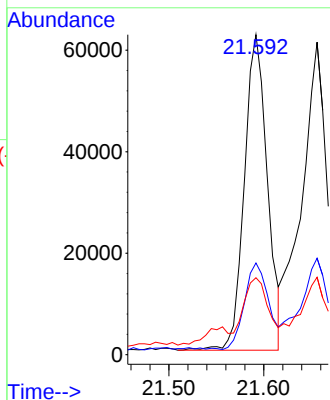
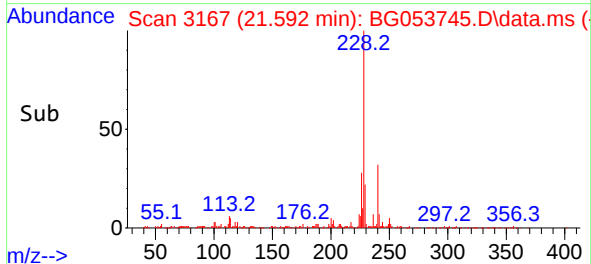
Instrument :
BNA_G
ClientSampleId :
CL-02-052622



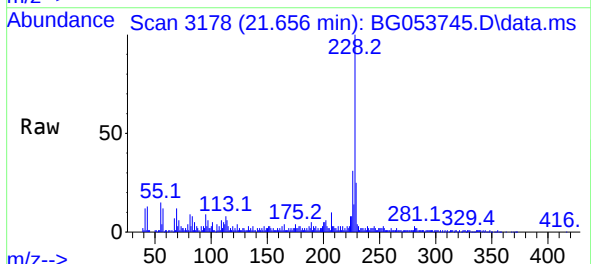
Tgt Ion:228 Resp: 104699
Ion Ratio Lower Upper
228 100
226 28.6 21.6 32.4
229 24.0 16.2 24.2

Manual Integrations
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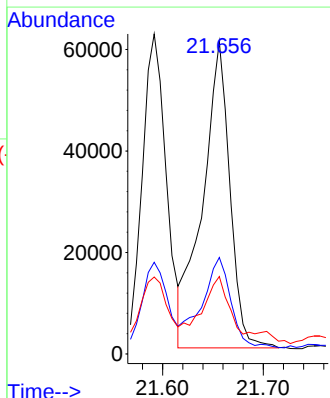
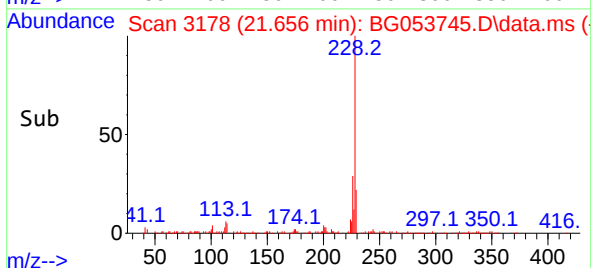
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022

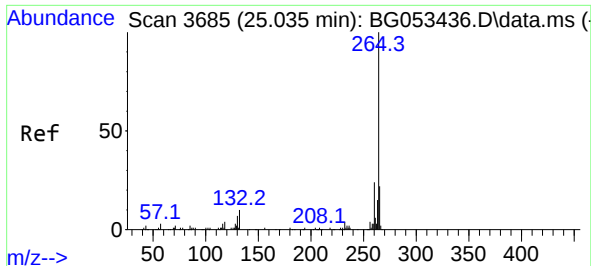


#83
Chrysene
Concen: 11.674 ng m
RT: 21.656 min Scan# 3178
Delta R.T. -0.029 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53



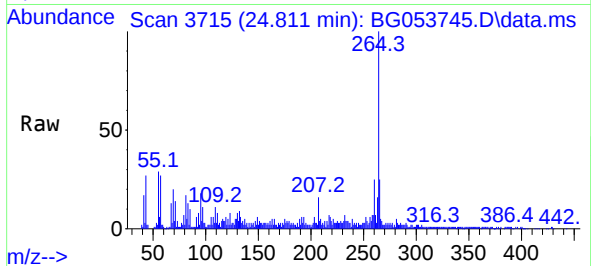
Tgt Ion:228 Resp: 114285
Ion Ratio Lower Upper
228 100
226 30.9 23.4 35.2
229 24.8 15.5 23.3#





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.811 min Scan# 31
Delta R.T. -0.029 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53

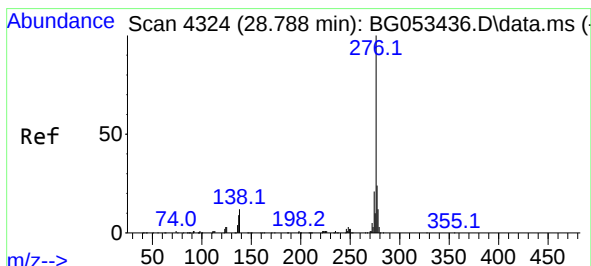
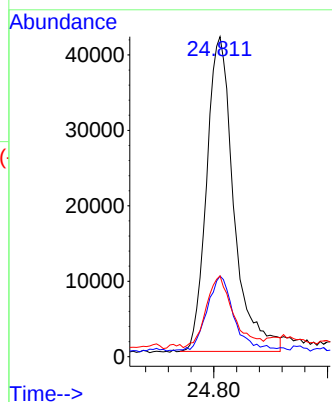
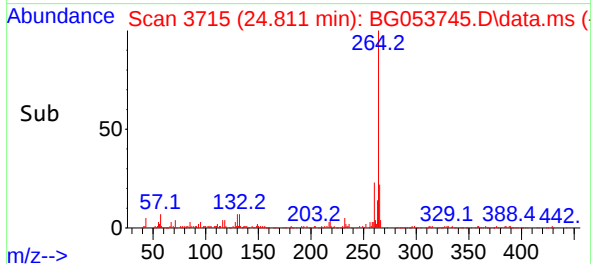
Instrument :
BNA_G
ClientSampleId :
CL-02-052622



Tgt Ion:264 Resp: 13844
Ion Ratio Lower Upper
264 100
260 25.2 19.0 28.6
265 25.2 17.4 26.2

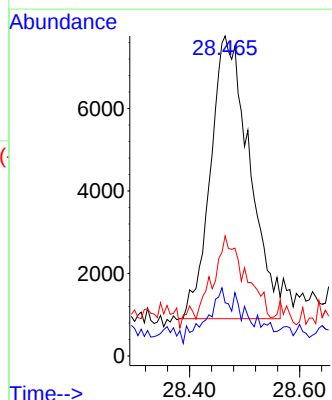
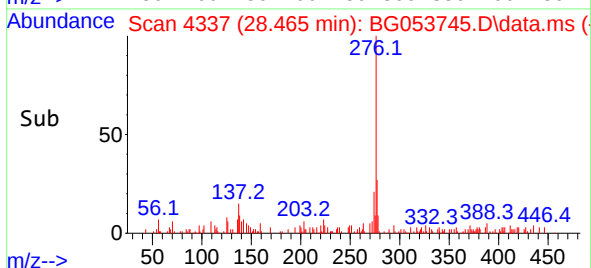
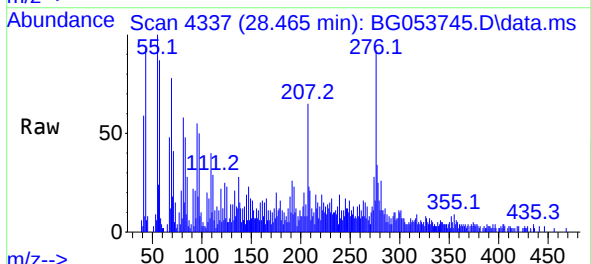
Manual Integrations
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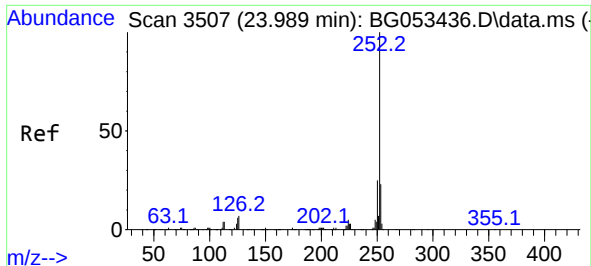
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.485 ng
RT: 28.465 min Scan# 4337
Delta R.T. -0.047 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53

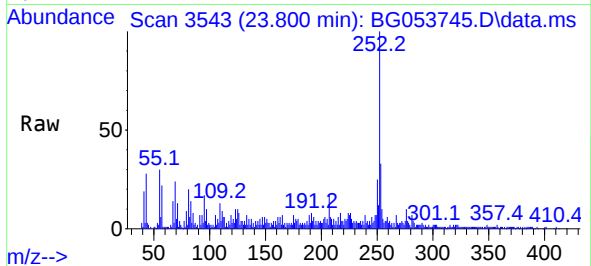
Tgt Ion:276 Resp: 33607
Ion Ratio Lower Upper
276 100
138 11.0 5.0 7.4#
277 27.1 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 15.454 ng
RT: 23.800 min Scan# 3507
Delta R.T. -0.023 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53

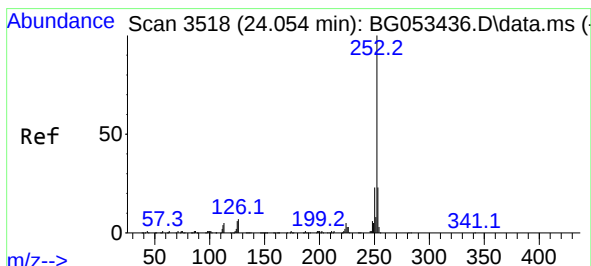
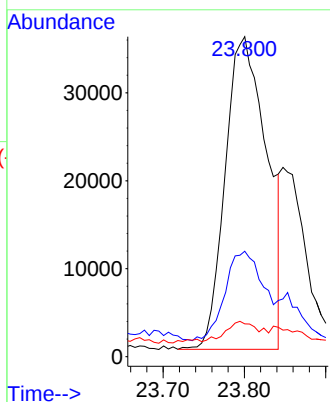
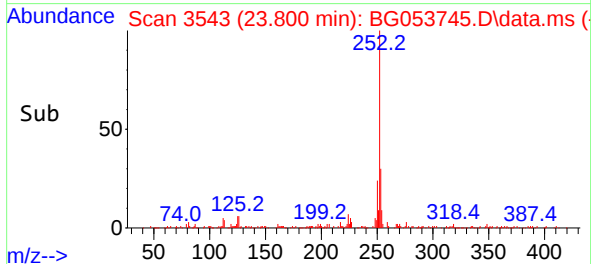
Instrument :
BNA_G
ClientSampleId :
CL-02-052622



Tgt Ion:252 Resp: 126630
Ion Ratio Lower Upper
252 100
253 32.9 18.0 27.0#
125 10.2 4.6 6.8#

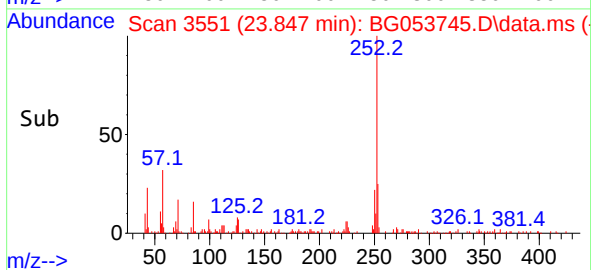
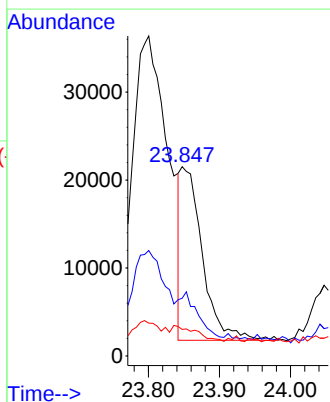
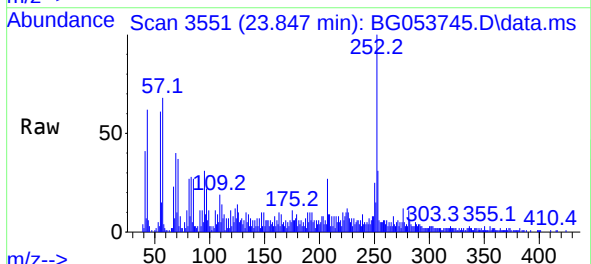
Manual Integrations
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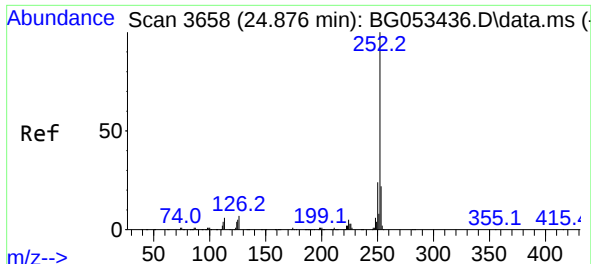
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#89
Benzo(k)fluoranthene
Concen: 5.198 ng m
RT: 23.847 min Scan# 3551
Delta R.T. -0.041 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53

Tgt Ion:252 Resp: 41858
Ion Ratio Lower Upper
252 100
253 30.5 18.4 27.6#
125 14.1 4.8 7.2#





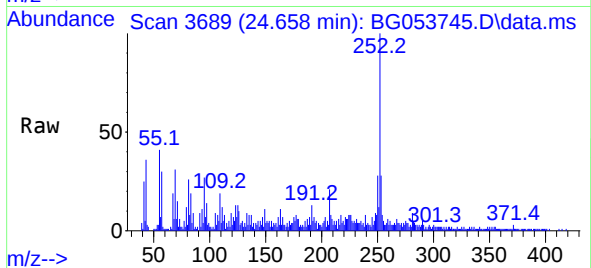
#90
Benzo(a)pyrene
Concen: 12.203 ng
RT: 24.658 min Scan# 30
Delta R.T. -0.029 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53

Instrument :

BNA_G

ClientSampleId :

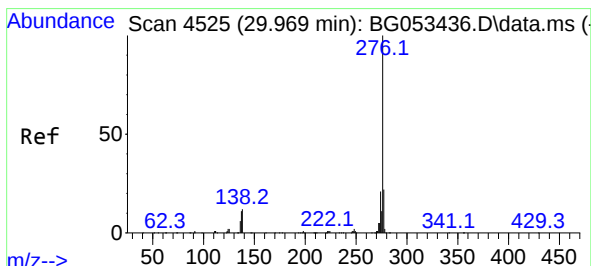
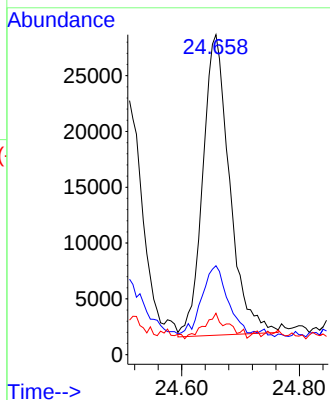
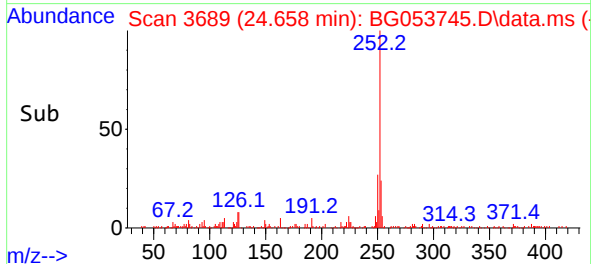
CL-02-052622



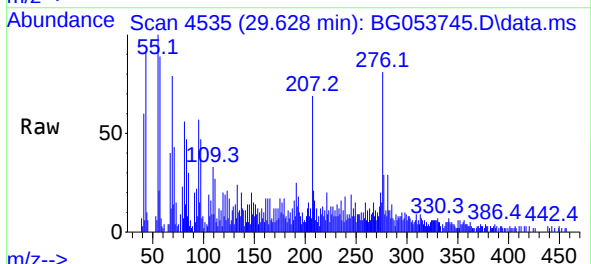
Tgt Ion:252 Resp: 8511
Ion Ratio Lower Upper
252 100
253 27.8 17.8 26.8
125 13.0 4.3 6.5

Manual Integrations
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Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#92
Benzo(g,h,i)perylene
Concen: 4.357 ng
RT: 29.628 min Scan# 4535
Delta R.T. -0.023 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53



Tgt Ion:276 Resp: 34311
Ion Ratio Lower Upper
276 100
277 35.5 17.3 25.9#
138 15.4 9.6 14.4#

