

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031122\
 Data File : BG052652.D
 Acq On : 11 Mar 2022 18:15
 Operator : CG/JU
 Sample : N1848-02DL 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CG-B4-030722-0-2DL

Quant Time: Mar 12 06:16:53 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 10 06:37:54 2022
 Response via : Initial Calibration

Manual Integrations
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Reviewed By : Christian Giraldo 03/14/2022
 Supervised By : Jagrut Upadhyay 03/14/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.170	152	38352	20.000	ng	0.00
21) Naphthalene-d8	11.008	136	154984	20.000	ng	0.00
39) Acenaphthene-d10	14.820	164	104762	20.000	ng	0.00
64) Phenanthrene-d10	17.575	188	213152	20.000	ng	0.00
76) Chrysene-d12	21.887	240	174889	20.000	ng	0.00
86) Perylene-d12	25.312	264	187907	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.703	112	99536	44.835	ng	0.00
7) Phenol-d6	7.324	99	143616	44.698	ng	0.00
23) Nitrobenzene-d5	9.345	82	97912	28.639	ng	0.00
42) 2,4,6-Tribromophenol	16.312	330	66194	44.551	ng	0.00
45) 2-Fluorobiphenyl	13.440	172	243643	31.391	ng	0.00
79) Terphenyl-d14	20.172	244	324782	32.862	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.885	154	15413	2.634	ng	96
71) Phenanthrene	17.616	178	256408	22.928	ng	98
72) Anthracene	17.704	178	67836	6.196	ng	99
73) Carbazole	17.975	167	21983	2.051	ng	# 95
75) Fluoranthene	19.625	202	525112	37.605	ng	99
78) Pyrene	19.984	202	467038	39.952	ng	99
81) Benzo(a)anthracene	21.863	228	243823	20.809	ng	99
83) Chrysene	21.934	228	216078	19.723	ng	98
84) Bis(2-ethylhexyl)phtha...	21.740	149	12727	2.142	ng	96
87) Indeno(1,2,3-cd)pyrene	29.277	276	140211	10.412	ng	# 94
88) Benzo(b)fluoranthene	24.219	252	291231	25.103	ng	97
89) Benzo(k)fluoranthene	24.284	252	112874m	9.674	ng	
90) Benzo(a)pyrene	25.153	252	228587	23.287	ng	99
91) Dibenzo(a,h)anthracene	29.318	278	34540	3.091	ng	# 85
92) Benzo(g,h,i)perylene	30.511	276	136283	12.495	ng	98

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

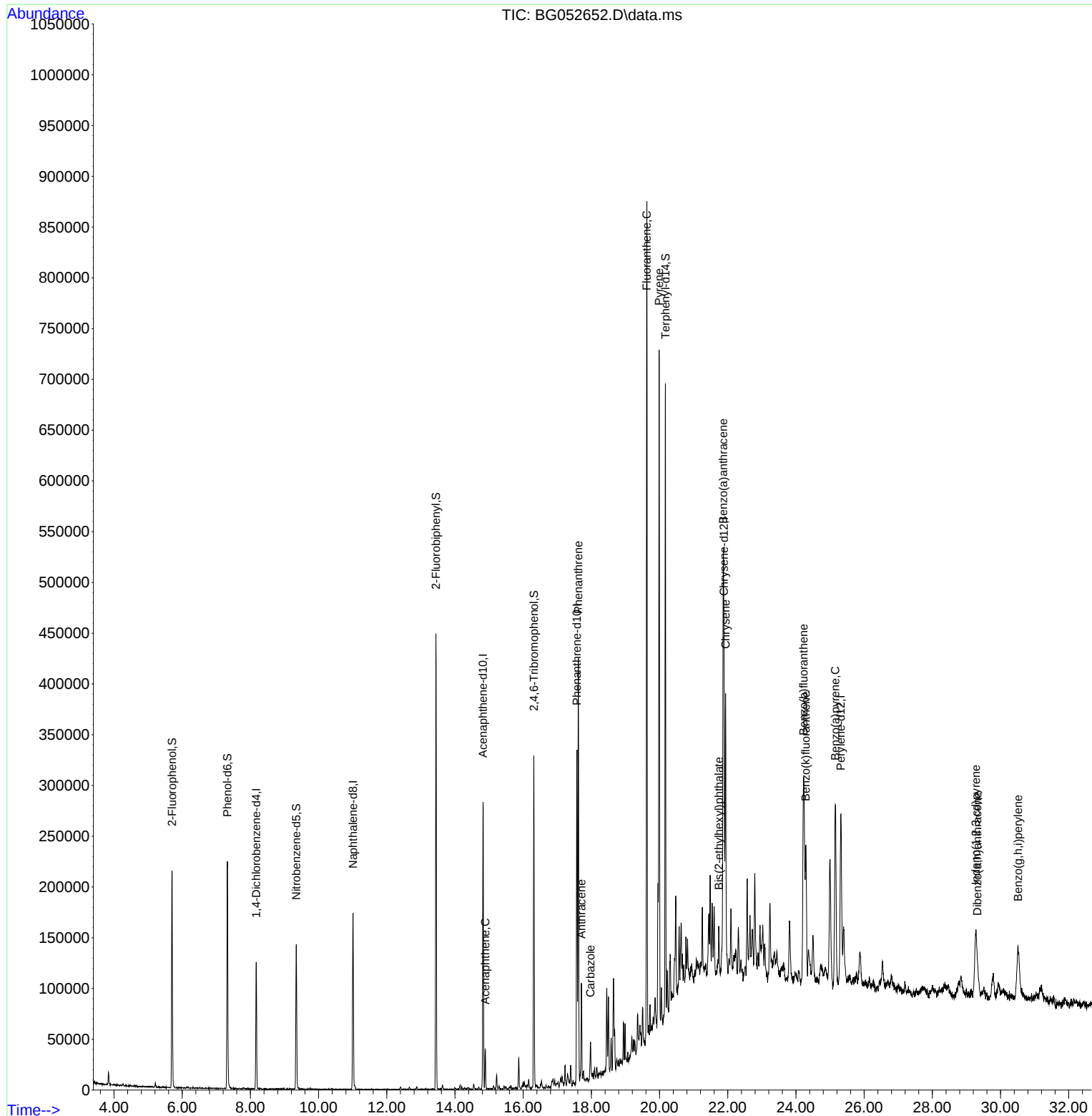
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031122\
Data File : BG052652.D
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Misc :
ALS Vial : 8 Sample Multiplier: 1

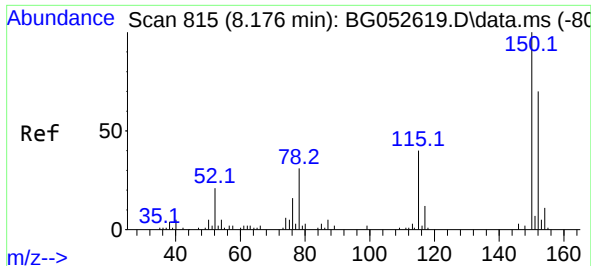
Instrument :
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ClientSampleId :
CG-B4-030722-0-2DL

Quant Time: Mar 12 06:16:53 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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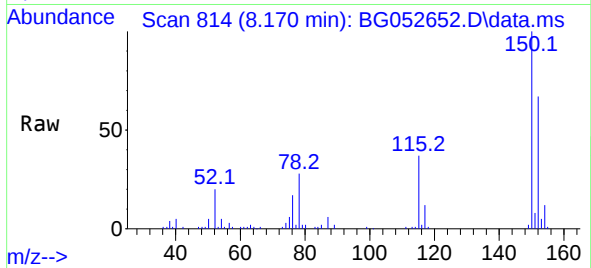
Reviewed By : Christian Giraldo 03/14/2022
Supervised By : Jagrut Upadhyay 03/14/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.170 min Scan# 815
Delta R.T. -0.006 min
Lab File: BG052652.D
Acq: 11 Mar 2022 18:15

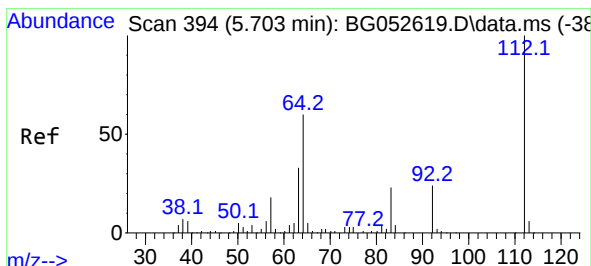
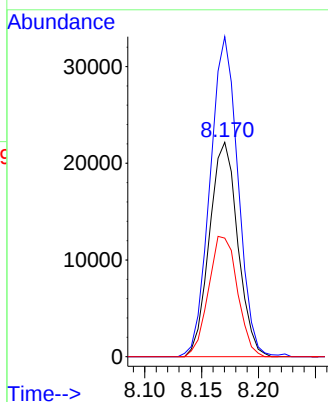
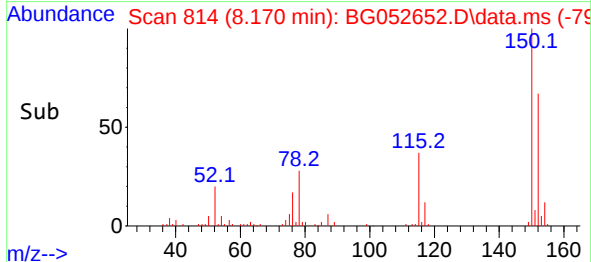
Instrument :
BNA_G
ClientSampleId :
CG-B4-030722-0-2DL



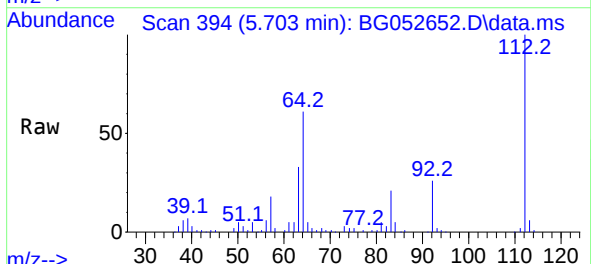
Tgt Ion:152 Resp: 38352
Ion Ratio Lower Upper
152 100
150 149.3 114.6 172.0
115 55.3 45.9 68.9

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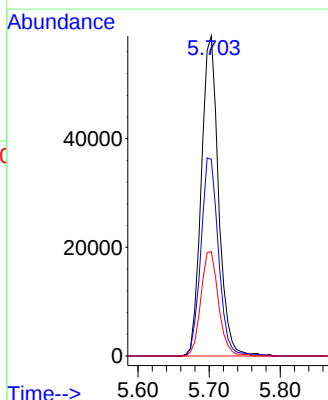
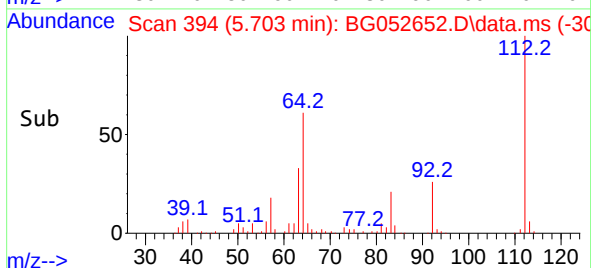
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

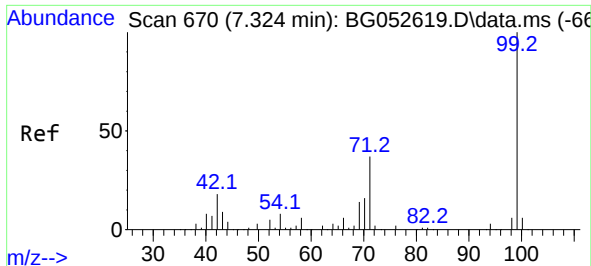


#5
2-Fluorophenol
Concen: 44.835 ng
RT: 5.703 min Scan# 394
Delta R.T. 0.000 min
Lab File: BG052652.D
Acq: 11 Mar 2022 18:15



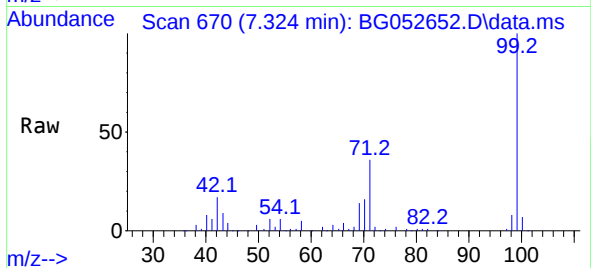
Tgt Ion:112 Resp: 99536
Ion Ratio Lower Upper
112 100
64 61.4 48.0 72.0
63 32.6 26.5 39.7





#7
Phenol-d6
Concen: 44.698 ng
RT: 7.324 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG052652.D
Acq: 11 Mar 2022 18:15

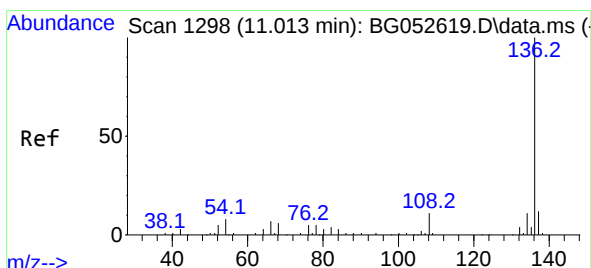
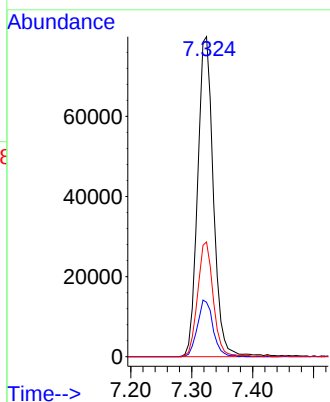
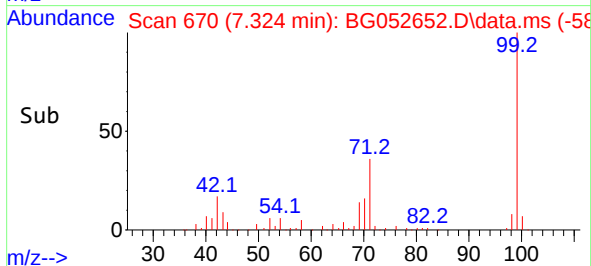
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CG-B4-030722-0-2DL



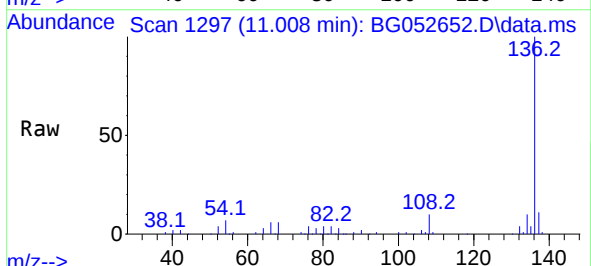
Tgt Ion: 99 Resp: 143610
Ion Ratio Lower Upper
99 100
42 17.0 14.7 22.1
71 35.8 29.2 43.8

Manual Integrations
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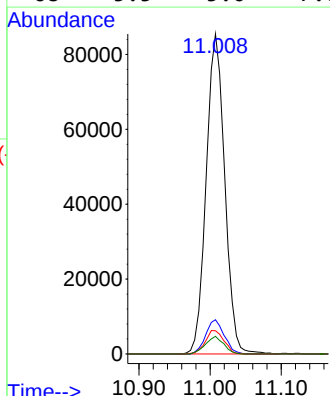
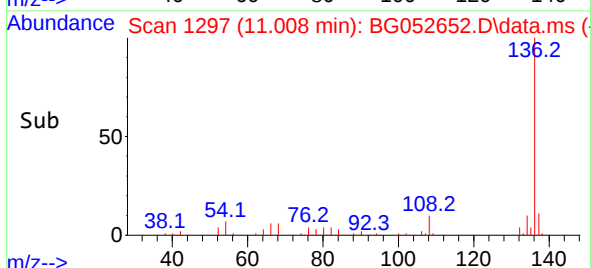
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

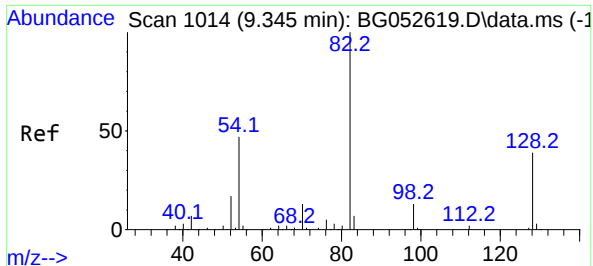


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.008 min Scan# 1297
Delta R.T. -0.005 min
Lab File: BG052652.D
Acq: 11 Mar 2022 18:15



Tgt Ion:136 Resp: 154984
Ion Ratio Lower Upper
136 100
137 10.7 9.4 14.2
54 7.2 6.4 9.6
68 5.5 5.0 7.6





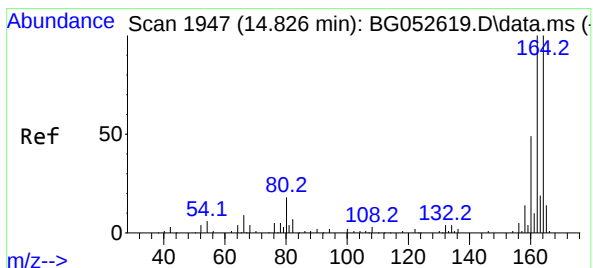
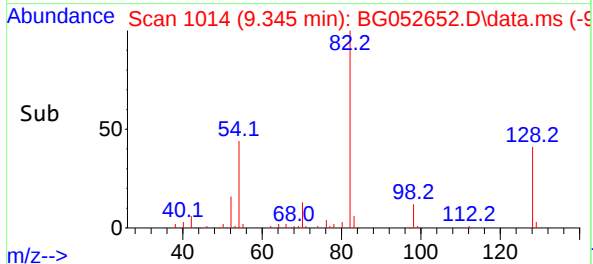
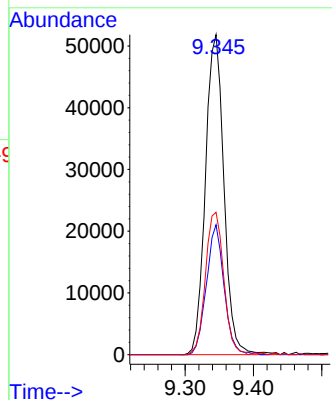
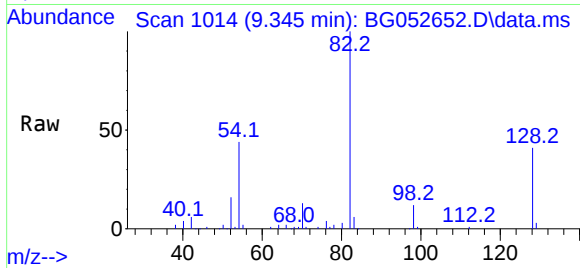
#23
Nitrobenzene-d5
Concen: 28.639 ng
RT: 9.345 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BG052652.D
Acq: 11 Mar 2022 18:15

Instrument :
BNA_G
ClientSampleId :
CG-B4-030722-0-2DL

Tgt Ion: 82 Resp: 97912
Ion Ratio Lower Upper
82 100
128 40.6 31.3 46.9
54 44.5 37.8 56.8

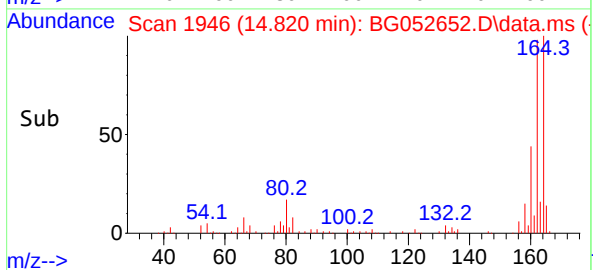
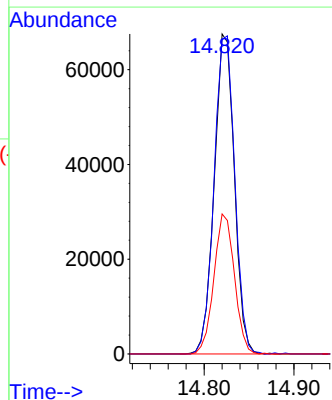
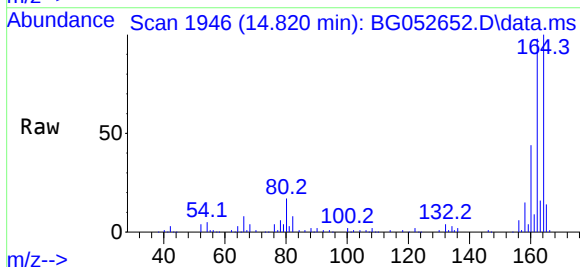
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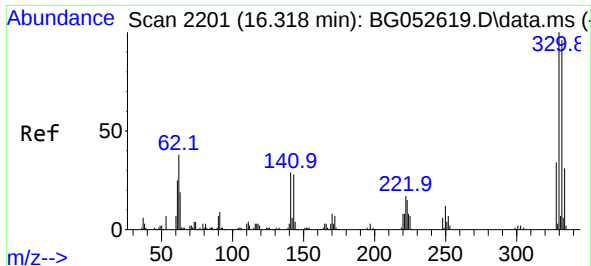
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.820 min Scan# 1946
Delta R.T. -0.006 min
Lab File: BG052652.D
Acq: 11 Mar 2022 18:15

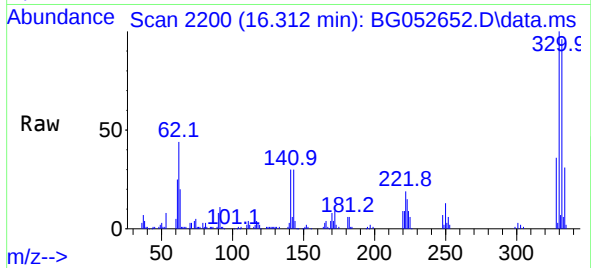
Tgt Ion:164 Resp: 104762
Ion Ratio Lower Upper
164 100
162 98.3 80.0 120.0
160 43.8 38.8 58.2





#42
2,4,6-Tribromophenol
Concen: 44.551 ng
RT: 16.312 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG052652.D
Acq: 11 Mar 2022 18:15

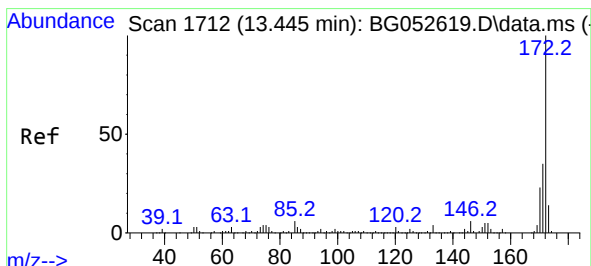
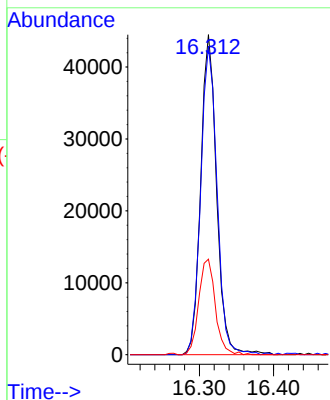
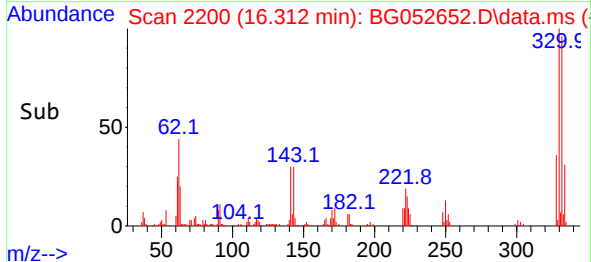
Instrument :
BNA_G
ClientSampleId :
CG-B4-030722-0-2DL



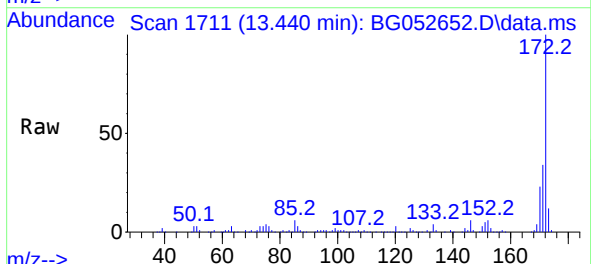
Tgt Ion:330 Resp: 66194
Ion Ratio Lower Upper
330 100
332 98.7 75.8 113.6
141 31.1 24.6 36.8

Manual Integrations
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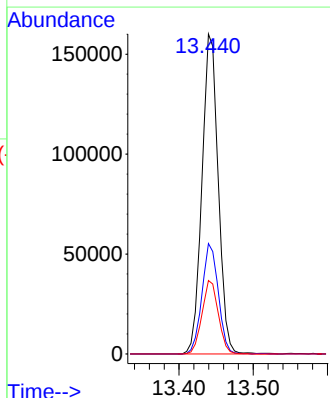
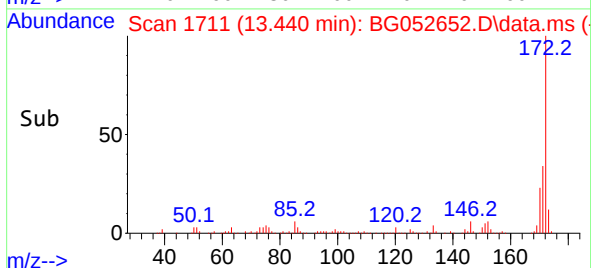
Reviewed By :Christian Giraldo 03/14/2022
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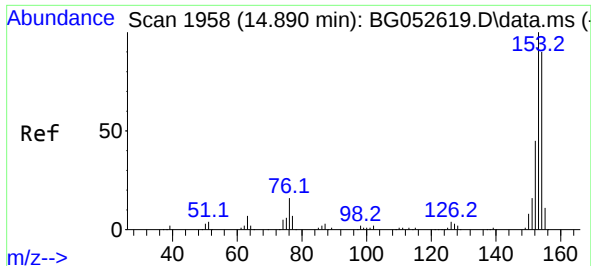


#45
2-Fluorobiphenyl
Concen: 31.391 ng
RT: 13.440 min Scan# 1711
Delta R.T. -0.005 min
Lab File: BG052652.D
Acq: 11 Mar 2022 18:15



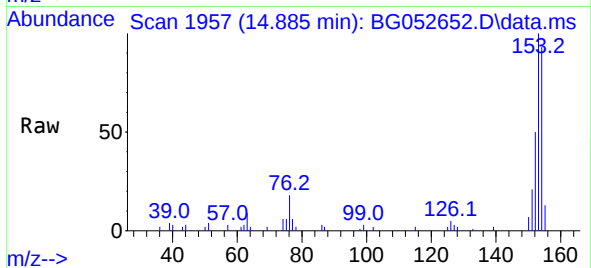
Tgt Ion:172 Resp: 243643
Ion Ratio Lower Upper
172 100
171 34.5 28.3 42.5
170 23.0 18.0 27.0





#52
Acenaphthene
Concen: 2.634 ng
RT: 14.885 min Scan# 1957
Delta R.T. -0.006 min
Lab File: BG052652.D
Acq: 11 Mar 2022 18:15

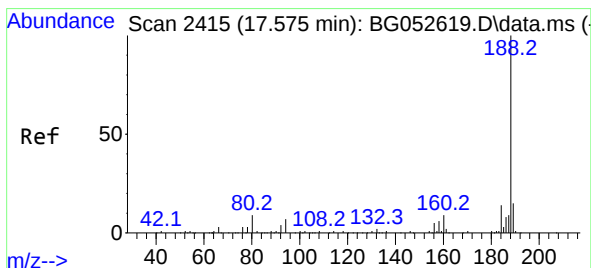
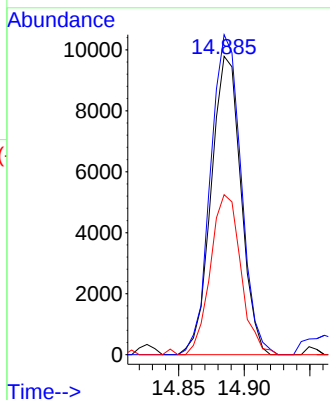
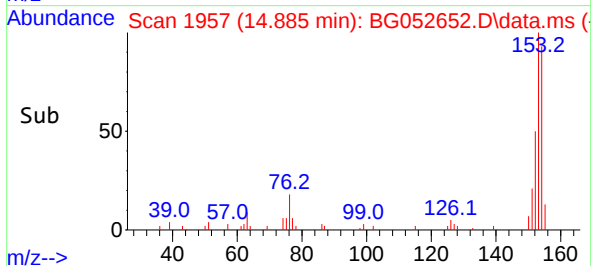
Instrument :
BNA_G
ClientSampleId :
CG-B4-030722-0-2DL



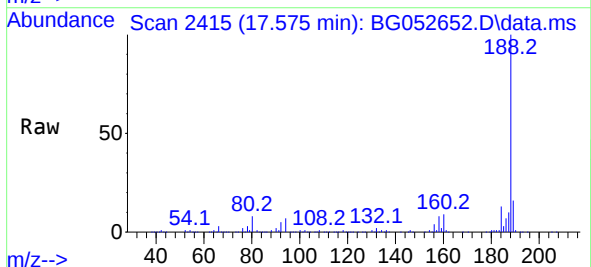
Tgt Ion:154 Resp: 1541
Ion Ratio Lower Upper
154 100
153 107.3 89.0 133.4
152 53.6 40.5 60.7

Manual Integrations
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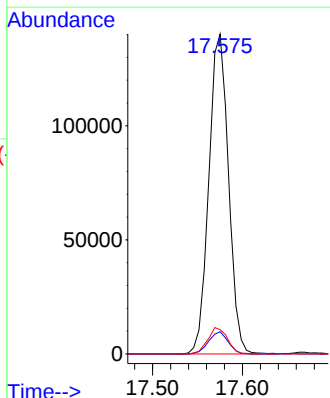
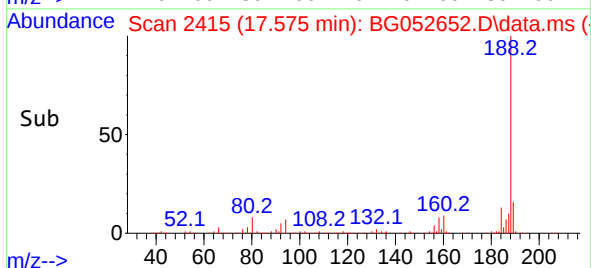
Reviewed By :Christian Giraldo 03/14/2022
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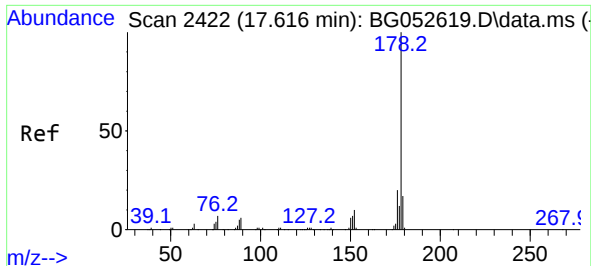


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.575 min Scan# 2415
Delta R.T. 0.000 min
Lab File: BG052652.D
Acq: 11 Mar 2022 18:15



Tgt Ion:188 Resp: 213152
Ion Ratio Lower Upper
188 100
94 7.0 5.7 8.5
80 7.6 7.2 10.8





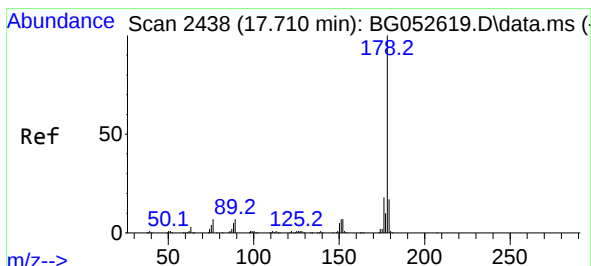
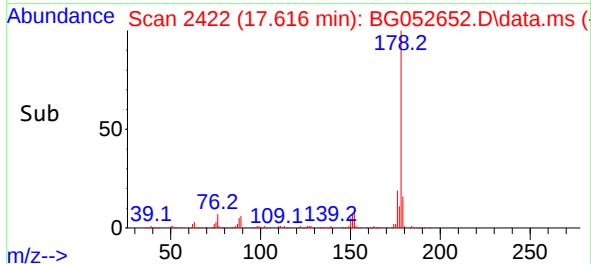
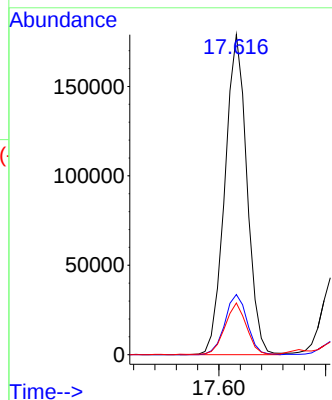
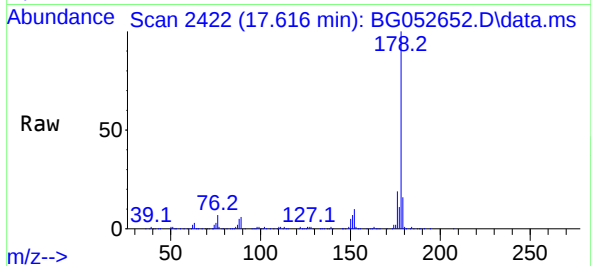
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Phenanthrene
Concen: 22.928 ng
RT: 17.616 min Scan# 2422
Delta R.T. 0.000 min
Lab File: BG052652.D
Acq: 11 Mar 2022 18:15

Instrument :
BNA_G
ClientSampleId :
CG-B4-030722-0-2DL

Tgt Ion:178 Resp: 256408
Ion Ratio Lower Upper
178 100
176 18.8 15.9 23.9
179 16.1 13.4 20.2

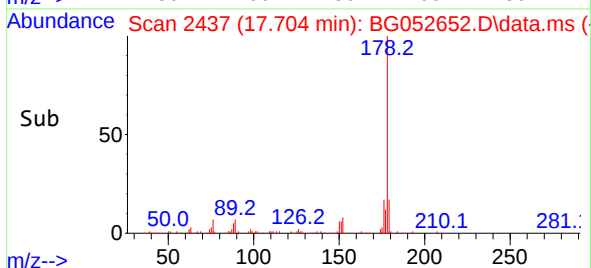
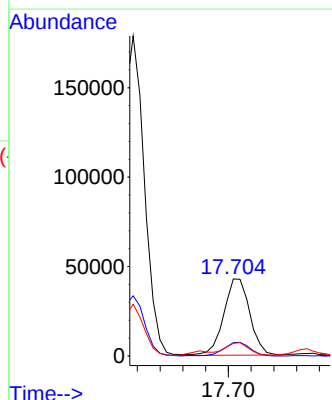
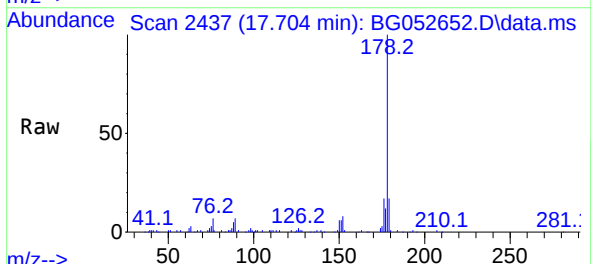
Manual Integrations
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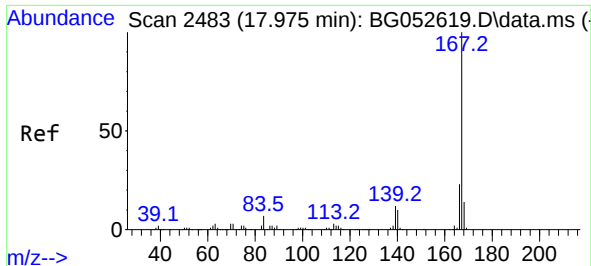
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#72
Anthracene
Concen: 6.196 ng
RT: 17.704 min Scan# 2437
Delta R.T. -0.006 min
Lab File: BG052652.D
Acq: 11 Mar 2022 18:15

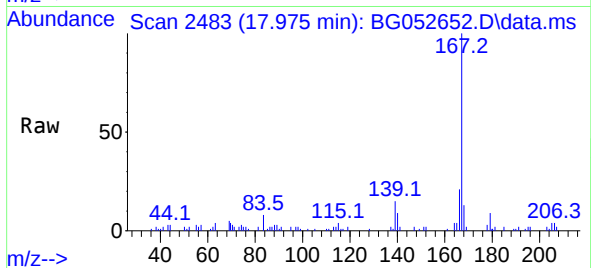
Tgt Ion:178 Resp: 67836
Ion Ratio Lower Upper
178 100
176 17.3 14.7 22.1
179 16.5 13.2 19.8





#73
 Carbazole
 Concen: 2.051 ng
 RT: 17.975 min Scan# 2483
 Delta R.T. 0.000 min
 Lab File: BG052652.D
 Acq: 11 Mar 2022 18:15

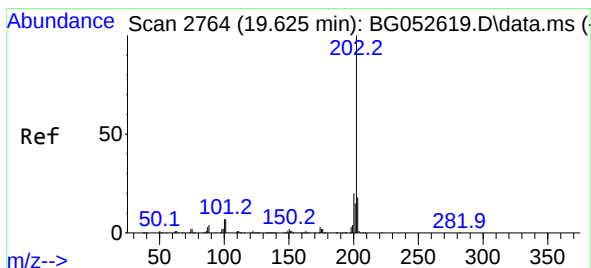
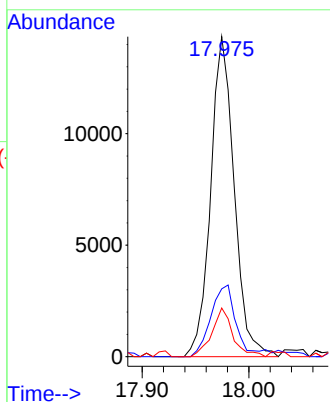
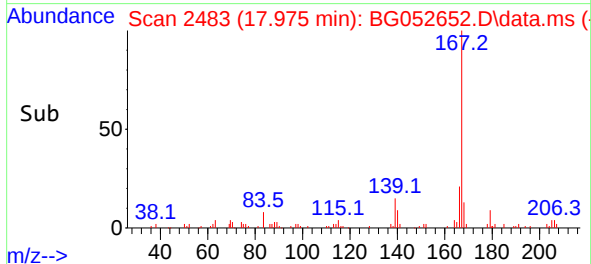
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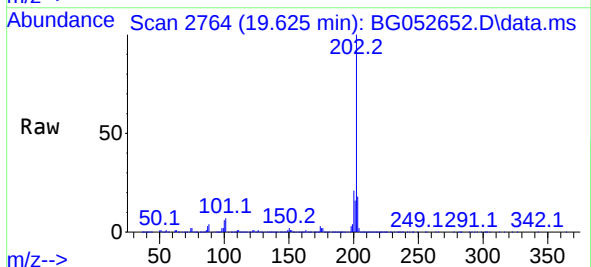
Tgt Ion:	167	Resp:	2198
Ion Ratio	Lower	Upper	
167	100		
166	21.2	18.5	27.7
139	15.2	10.0	15.0

Manual Integrations
 APPROVED

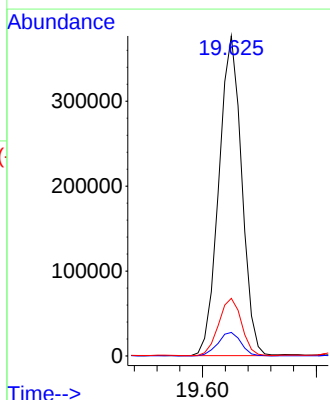
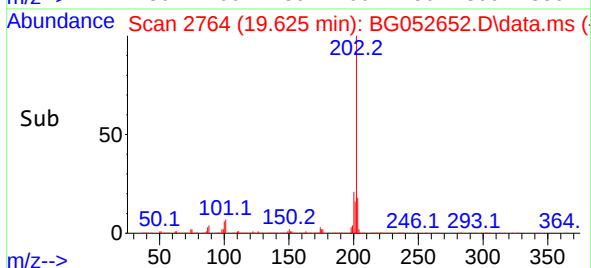
Reviewed By :Christian Giraldo 03/14/2022
 Supervised By :Jagrut Upadhyay 03/14/2022

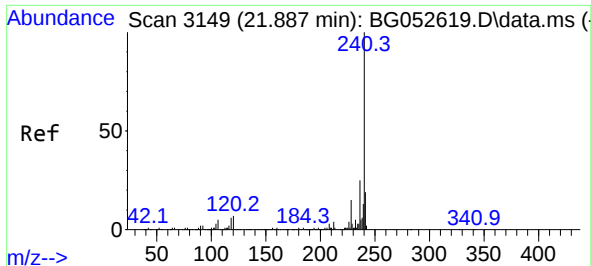


#75
 Fluoranthene
 Concen: 37.605 ng
 RT: 19.625 min Scan# 2764
 Delta R.T. 0.000 min
 Lab File: BG052652.D
 Acq: 11 Mar 2022 18:15



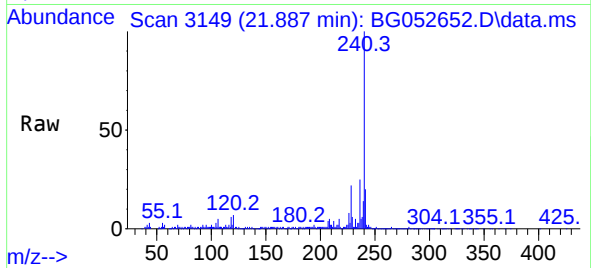
Tgt Ion:	202	Resp:	525112
Ion Ratio	Lower	Upper	
202	100		
101	7.3	0.0	27.3
203	18.0	0.0	37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.887 min Scan# 3149
Delta R.T. 0.000 min
Lab File: BG052652.D
Acq: 11 Mar 2022 18:15

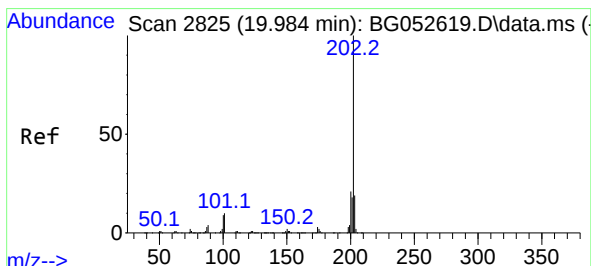
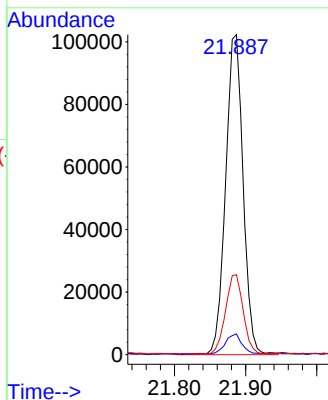
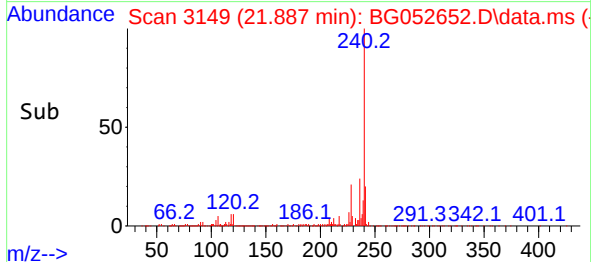
Instrument :
BNA_G
ClientSampleId :
CG-B4-030722-0-2DL



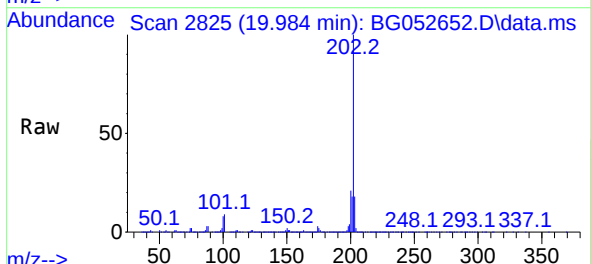
Tgt Ion:240 Resp: 174889
Ion Ratio Lower Upper
240 100
120 6.5 5.4 8.0
236 25.0 19.8 29.6

Manual Integrations
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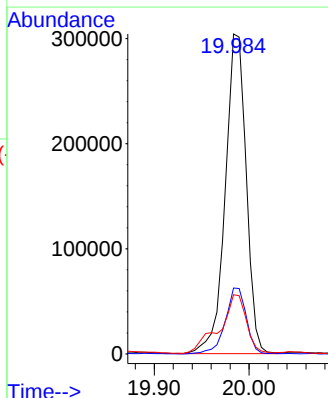
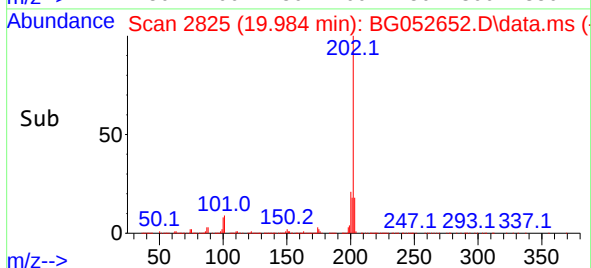
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

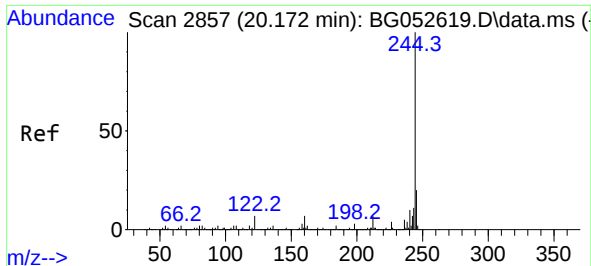


#78
Pyrene
Concen: 39.952 ng
RT: 19.984 min Scan# 2825
Delta R.T. 0.000 min
Lab File: BG052652.D
Acq: 11 Mar 2022 18:15



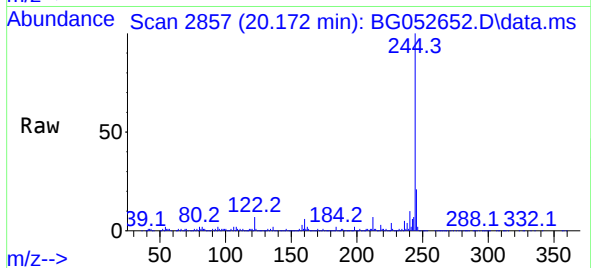
Tgt Ion:202 Resp: 467038
Ion Ratio Lower Upper
202 100
200 20.6 17.0 25.6
203 18.5 15.0 22.6





#79
 Terphenyl-d14
 Concen: 32.862 ng
 RT: 20.172 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG052652.D
 Acq: 11 Mar 2022 18:15

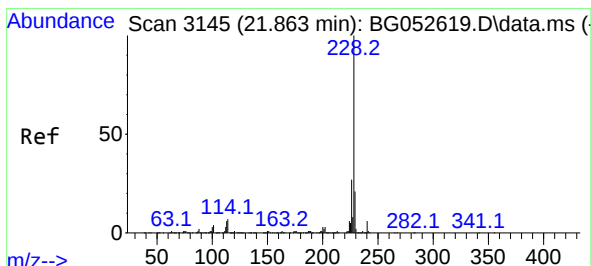
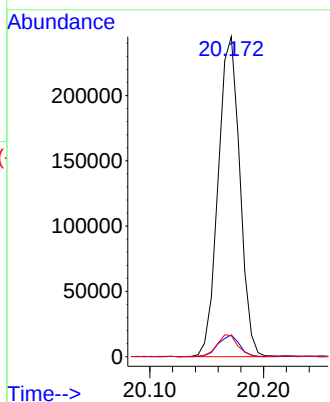
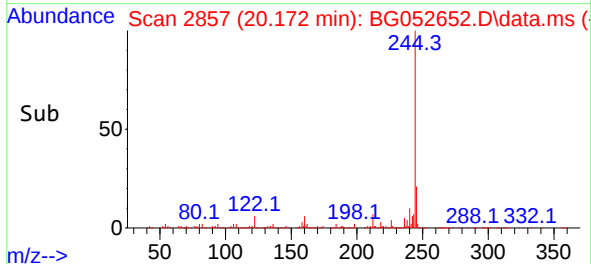
Instrument :
 BNA_G
 ClientSampleId :
 CG-B4-030722-0-2DL



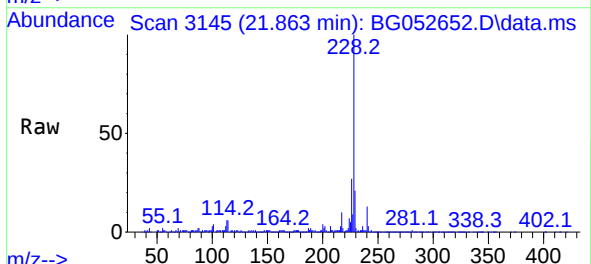
Tgt Ion:244 Resp: 32478
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 6.6 5.8 8.6

Manual Integrations
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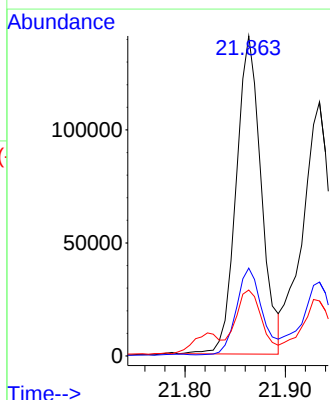
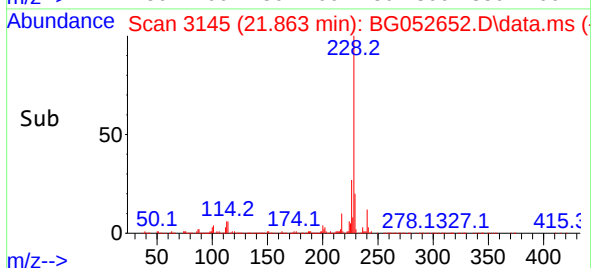
Reviewed By :Christian Giraldo 03/14/2022
 Supervised By :Jagrut Upadhyay 03/14/2022

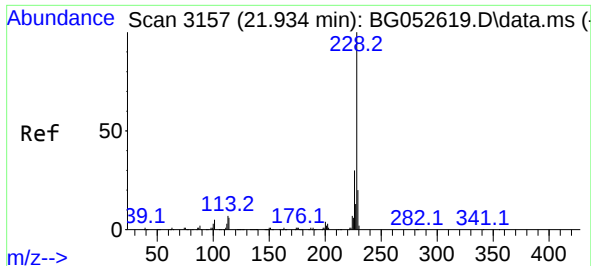


#81
 Benzo(a)anthracene
 Concen: 20.809 ng
 RT: 21.863 min Scan# 3145
 Delta R.T. 0.000 min
 Lab File: BG052652.D
 Acq: 11 Mar 2022 18:15



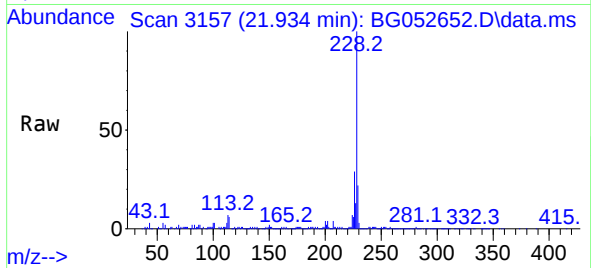
Tgt Ion:228 Resp: 243823
 Ion Ratio Lower Upper
 228 100
 226 27.4 21.4 32.0
 229 20.6 16.7 25.1





#83
Chrysene
Concen: 19.723 ng
RT: 21.934 min Scan# 3157
Delta R.T. 0.000 min
Lab File: BG052652.D
Acq: 11 Mar 2022 18:15

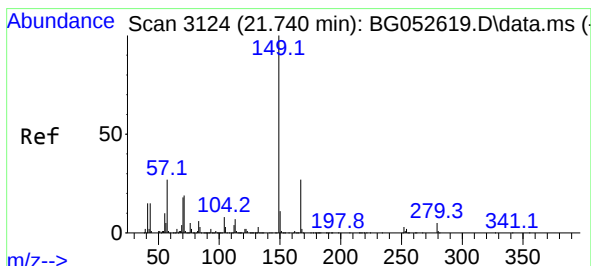
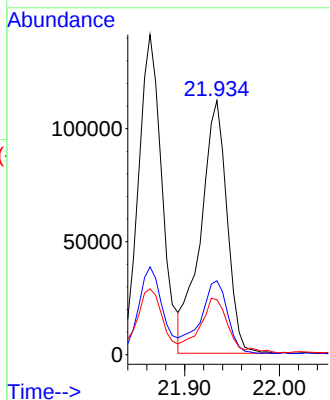
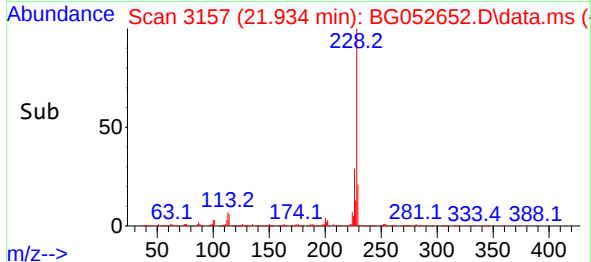
Instrument :
BNA_G
ClientSampleId :
CG-B4-030722-0-2DL



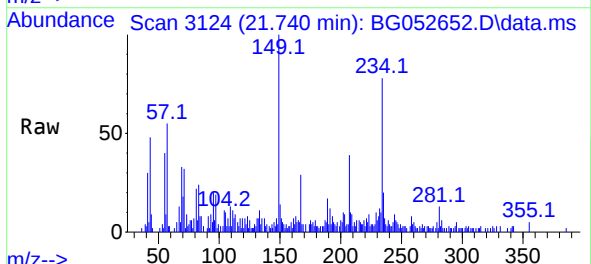
Tgt Ion:228 Resp: 216078
Ion Ratio Lower Upper
228 100
226 29.1 24.2 36.4
229 21.7 16.3 24.5

Manual Integrations
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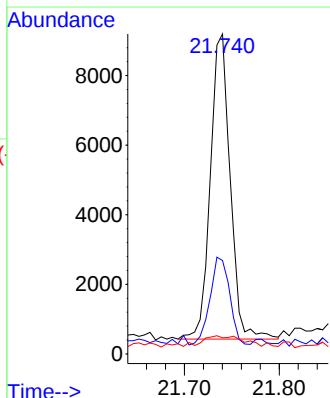
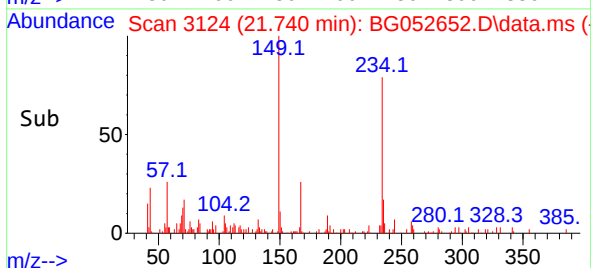
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

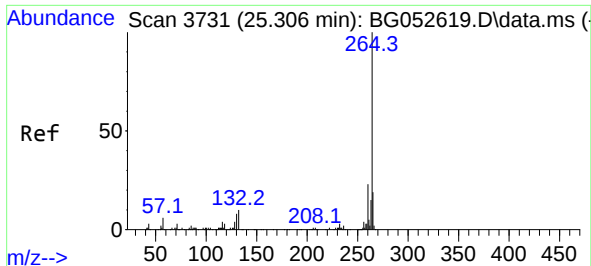


#84
Bis(2-ethylhexyl)phthalate
Concen: 2.142 ng
RT: 21.740 min Scan# 3124
Delta R.T. 0.000 min
Lab File: BG052652.D
Acq: 11 Mar 2022 18:15



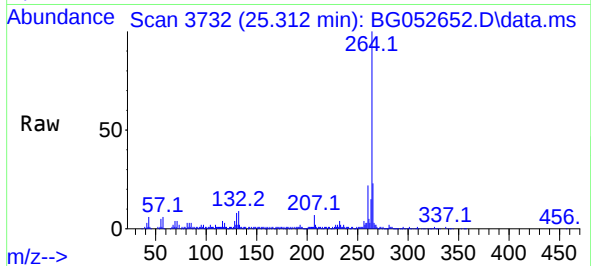
Tgt Ion:149 Resp: 12727
Ion Ratio Lower Upper
149 100
167 29.2 21.4 32.2
279 5.0 3.8 5.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.312 min Scan# 31
Delta R.T. 0.006 min
Lab File: BG052652.D
Acq: 11 Mar 2022 18:15

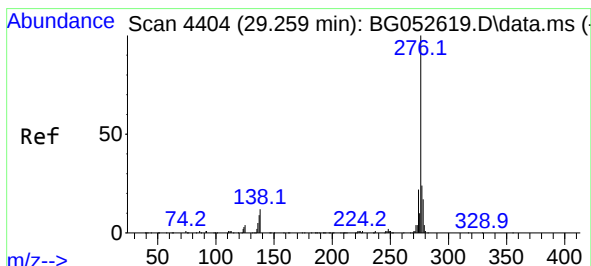
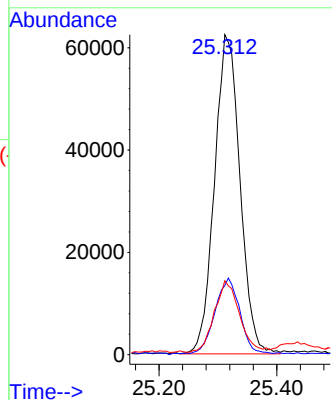
Instrument :
BNA_G
ClientSampleId :
CG-B4-030722-0-2DL



Tgt Ion:264 Resp: 18790
Ion Ratio Lower Upper
264 100
260 21.6 18.2 27.2
265 23.1 15.1 22.7

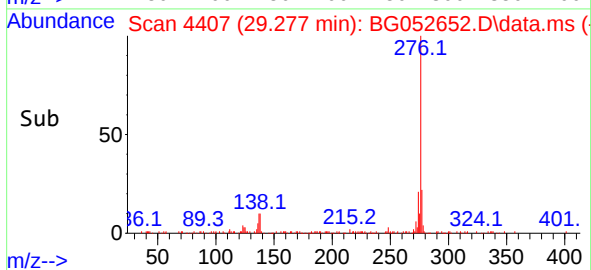
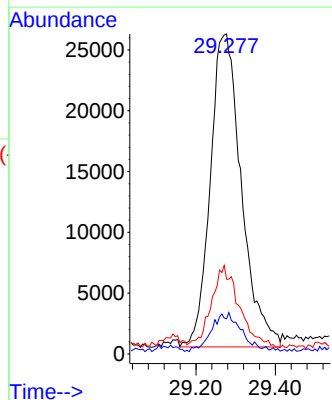
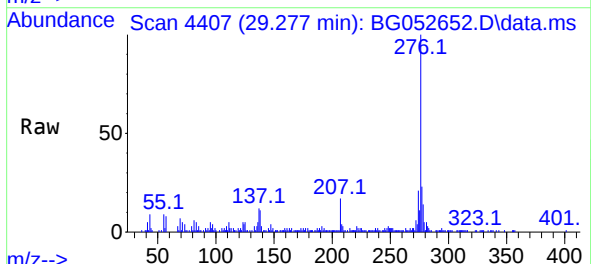
Manual Integrations
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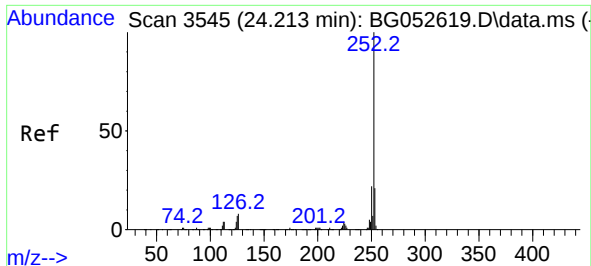
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 10.412 ng
RT: 29.277 min Scan# 4407
Delta R.T. 0.018 min
Lab File: BG052652.D
Acq: 11 Mar 2022 18:15

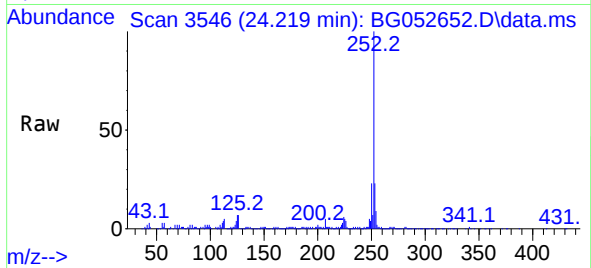
Tgt Ion:276 Resp: 140211
Ion Ratio Lower Upper
276 100
138 6.1 8.7 13.1#
277 23.6 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 25.103 ng
RT: 24.219 min Scan# 3545
Delta R.T. 0.006 min
Lab File: BG052652.D
Acq: 11 Mar 2022 18:15

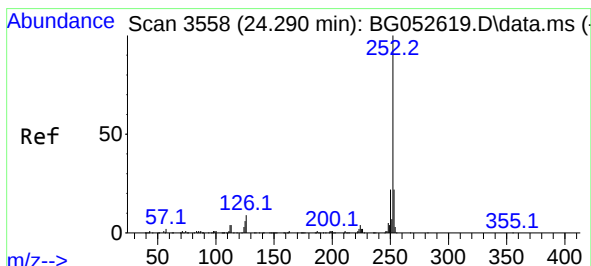
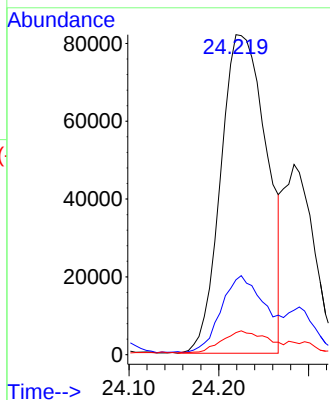
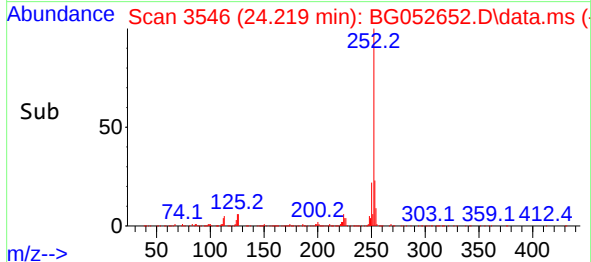
Instrument :
BNA_G
ClientSampleId :
CG-B4-030722-0-2DL



Tgt Ion:252 Resp: 29123
Ion Ratio Lower Upper
252 100
253 23.4 17.2 25.8
125 6.9 5.2 7.8

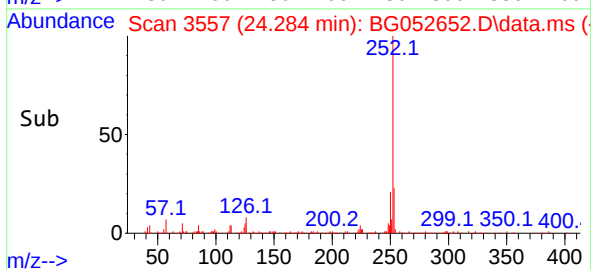
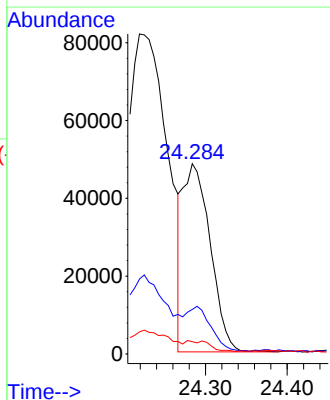
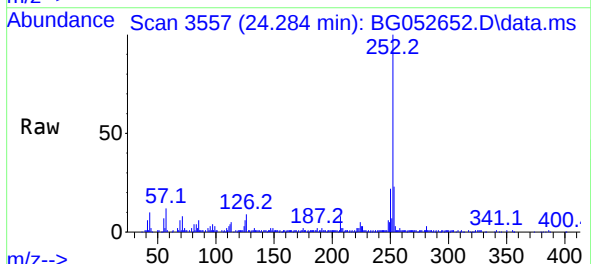
Manual Integrations
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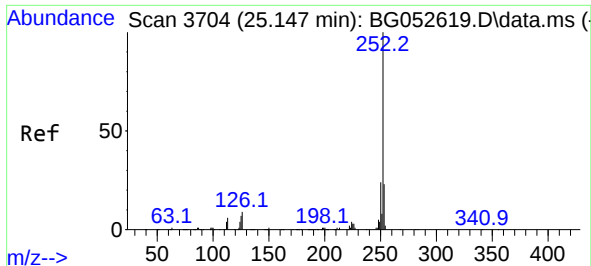
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#89
Benzo(k)fluoranthene
Concen: 9.674 ng m
RT: 24.284 min Scan# 3557
Delta R.T. -0.006 min
Lab File: BG052652.D
Acq: 11 Mar 2022 18:15

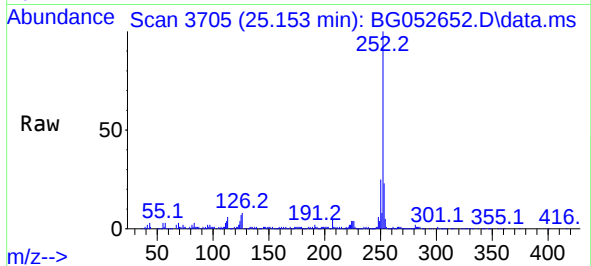
Tgt Ion:252 Resp: 112874
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 6.4 5.0 7.4





#90
Benzo(a)pyrene
Concen: 23.287 ng
RT: 25.153 min Scan# 31
Delta R.T. 0.006 min
Lab File: BG052652.D
Acq: 11 Mar 2022 18:15

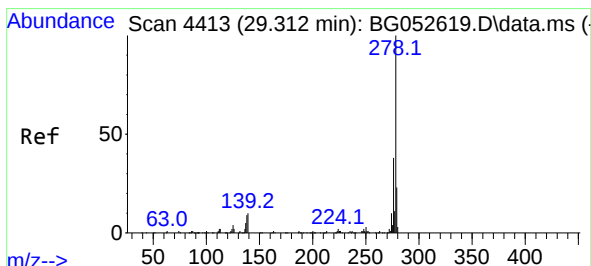
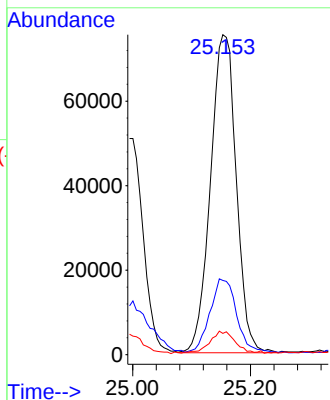
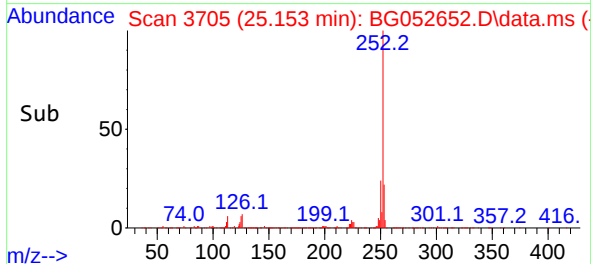
Instrument :
BNA_G
ClientSampleId :
CG-B4-030722-0-2DL



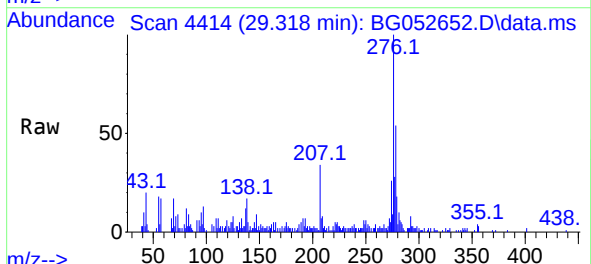
Tgt Ion:252 Resp: 22858
Ion Ratio Lower Upper
252 100
253 23.2 18.4 27.6
125 6.7 5.6 8.4

Manual Integrations
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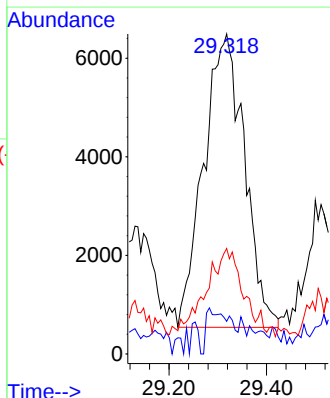
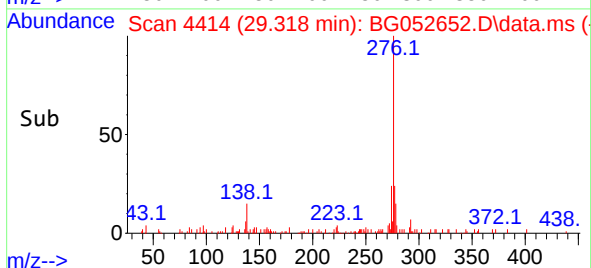
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

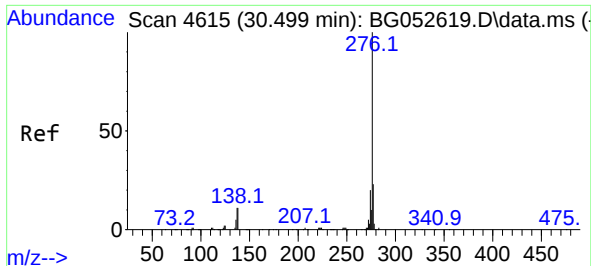


#91
Dibenzo(a,h)anthracene
Concen: 3.091 ng
RT: 29.318 min Scan# 4414
Delta R.T. 0.006 min
Lab File: BG052652.D
Acq: 11 Mar 2022 18:15



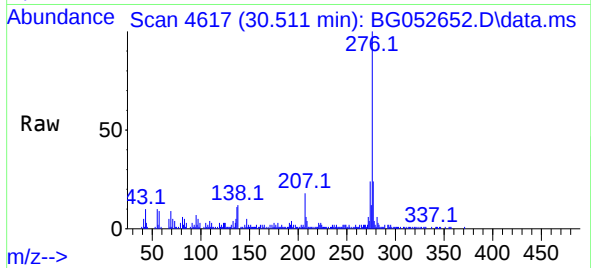
Tgt Ion:278 Resp: 34540
Ion Ratio Lower Upper
278 100
139 10.2 7.8 11.6
279 32.9 18.5 27.7#





#92
 Benzo(g,h,i)perylene
 Concen: 12.495 ng
 RT: 30.511 min Scan# 40
 Delta R.T. 0.012 min
 Lab File: BG052652.D
 Acq: 11 Mar 2022 18:15

Instrument :
 BNA_G
 ClientSampleId :
 CG-B4-030722-0-2DL



Tgt Ion:276 Resp: 13628
 Ion Ratio Lower Upper
 276 100
 277 24.0 18.2 27.2
 138 11.6 9.1 13.7

Manual Integrations
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Reviewed By :Christian Giraldo 03/14/2022
 Supervised By :Jagrut Upadhyay 03/14/2022

