

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031022\
 Data File : BG052640.D
 Acq On : 10 Mar 2022 18:54
 Operator : CG/JU
 Sample : N1845-15 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-15

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/11/2022
 Supervised By : Jagrut Upadhyay 03/11/2022

Quant Time: Mar 11 03:45:43 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.175	152	46863	20.000	ng	0.00
21) Naphthalene-d8	11.018	136	186462	20.000	ng	0.00
39) Acenaphthene-d10	14.831	164	118755	20.000	ng	0.00
64) Phenanthrene-d10	17.580	188	237372	20.000	ng	0.00
76) Chrysene-d12	21.892	240	197731	20.000	ng	# 0.00
86) Perylene-d12	25.323	264	167861	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.708	112	31229	11.512	ng	0.00
7) Phenol-d6	7.329	99	59097	15.052	ng	0.00
23) Nitrobenzene-d5	9.350	82	41274	10.034	ng	0.00
42) 2,4,6-Tribromophenol	16.317	330	6308	3.745	ng	0.00
45) 2-Fluorobiphenyl	13.450	172	102493	11.649	ng	0.00
79) Terphenyl-d14	20.177	244	130295	11.660	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.621	178	110523	8.874	ng	98
72) Anthracene	17.715	178	31008	2.543	ng	98
75) Fluoranthene	19.630	202	117610	7.563	ng	97
78) Pyrene	19.989	202	93571	7.080	ng	98
81) Benzo(a)anthracene	21.868	228	46415	3.504	ng	97
83) Chrysene	21.939	228	43201m	3.488	ng	
88) Benzo(b)fluoranthene	24.230	252	40492m	3.907	ng	
90) Benzo(a)pyrene	25.170	252	26983	3.077	ng	# 92

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

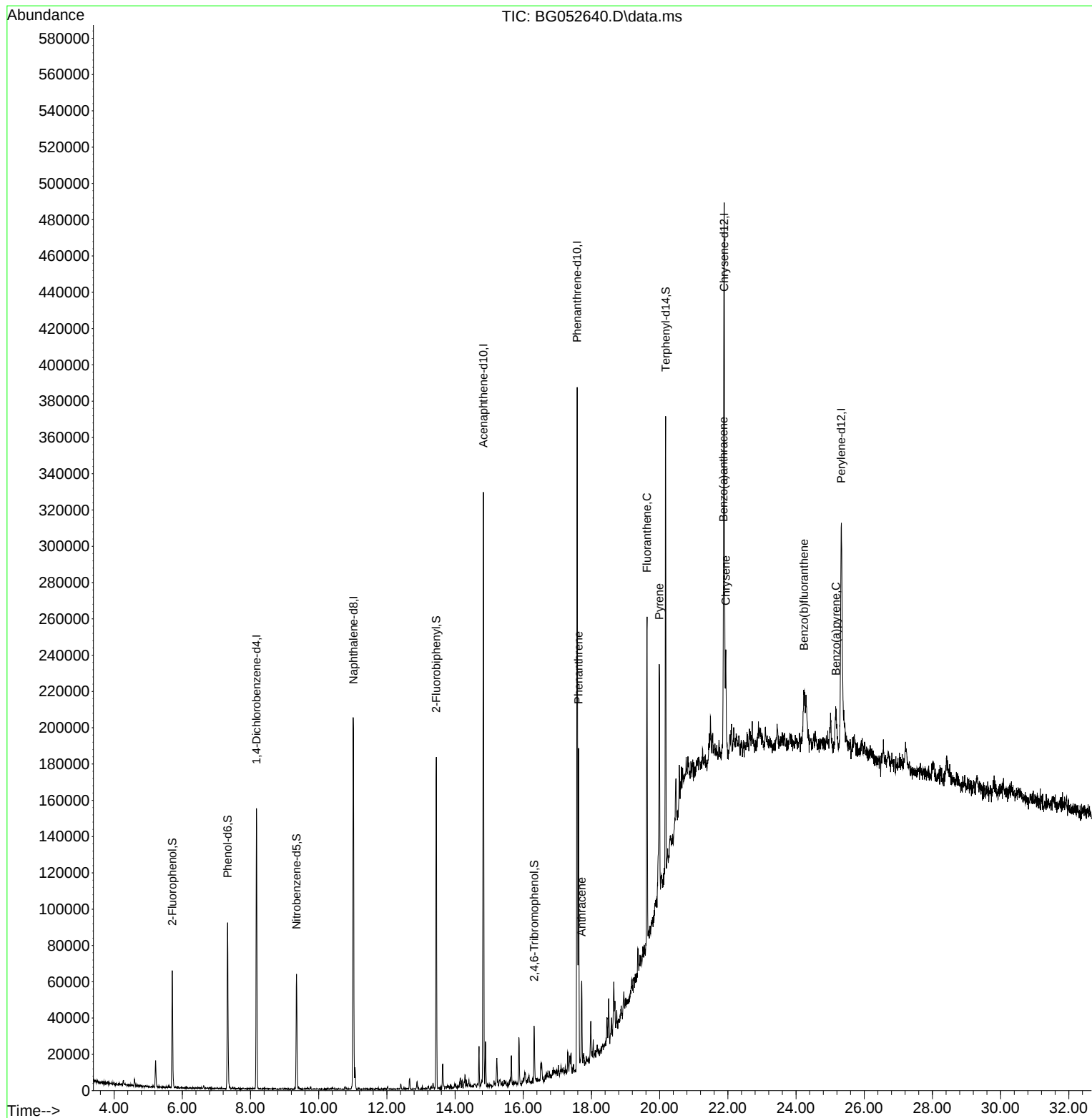
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031022\
Data File : BG052640.D
Acq On : 10 Mar 2022 18:54
Operator : CG/JU
Sample : N1845-15 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

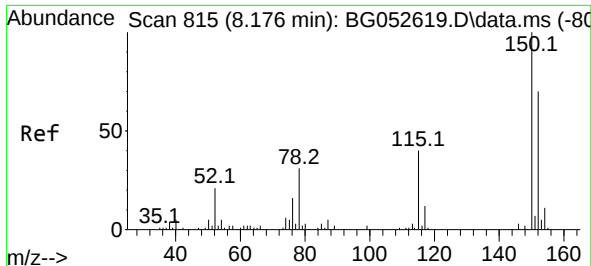
Instrument :
BNA_G
ClientSampleId :
SAMPLE-15

Quant Time: Mar 11 03:45:43 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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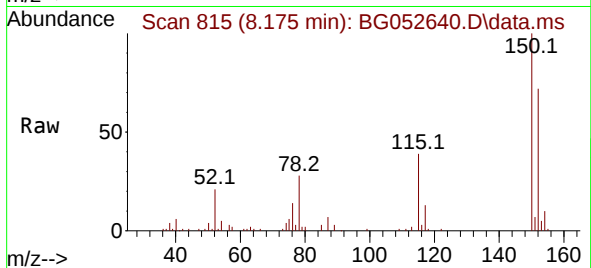
Reviewed By : Christian Giraldo 03/11/2022
Supervised By : Jagrut Upadhyay 03/11/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.175 min Scan# 815
Delta R.T. -0.001 min
Lab File: BG052640.D
Acq: 10 Mar 2022 18:54

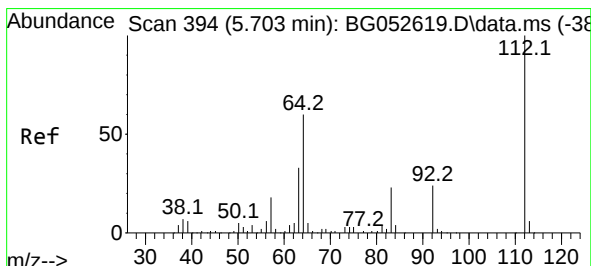
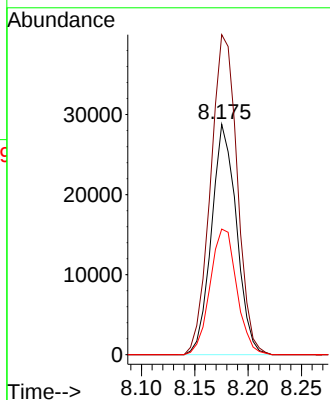
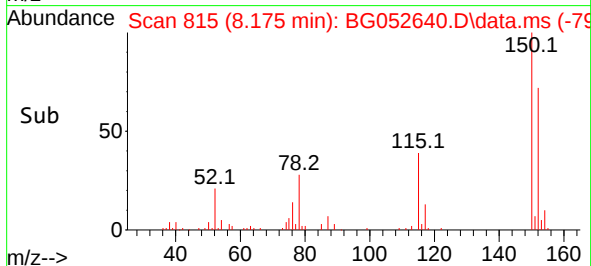
Instrument :
BNA_G
ClientSampleId :
SAMPLE-15



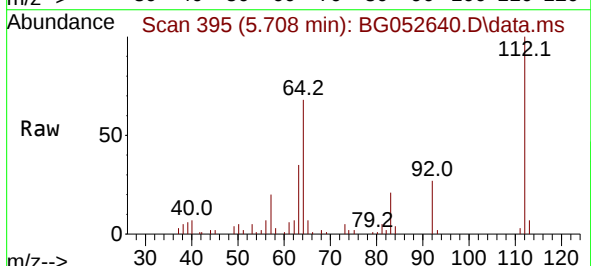
Tgt Ion:152 Resp: 4686
Ion Ratio Lower Upper
152 100
150 138.9 114.6 172.0
115 54.5 45.9 68.9

Manual Integrations
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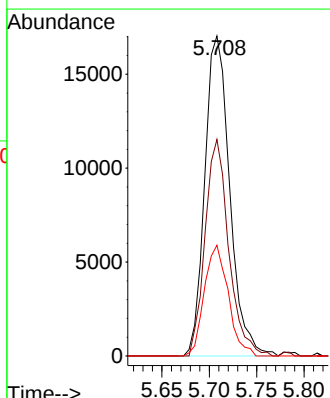
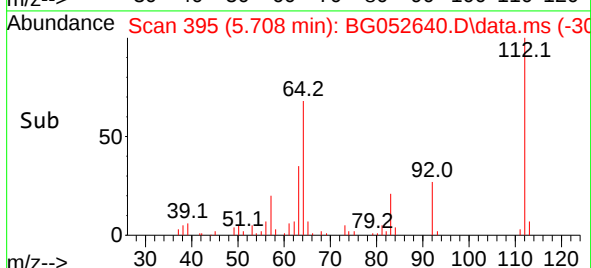
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022

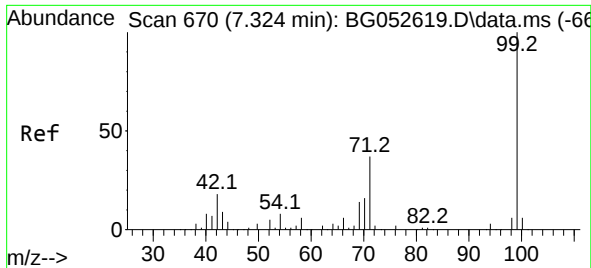


#5
2-Fluorophenol
Concen: 11.512 ng
RT: 5.708 min Scan# 395
Delta R.T. 0.005 min
Lab File: BG052640.D
Acq: 10 Mar 2022 18:54



Tgt Ion:112 Resp: 31229
Ion Ratio Lower Upper
112 100
64 67.6 48.0 72.0
63 34.6 26.5 39.7





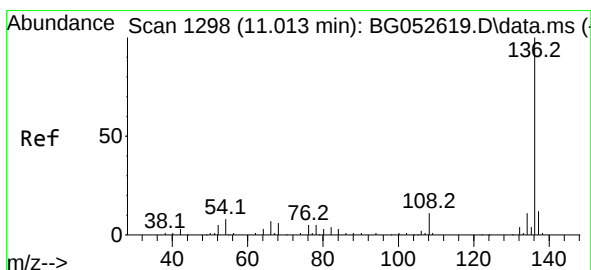
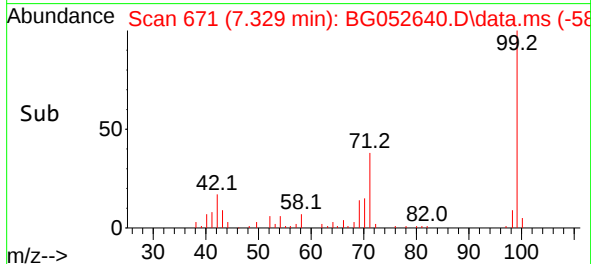
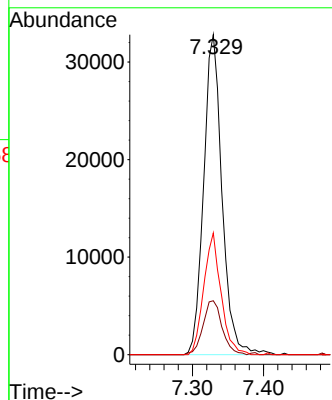
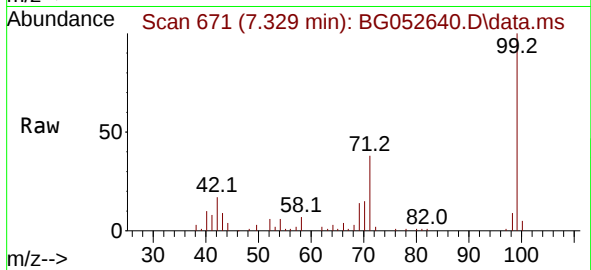
#7
Phenol-d6
Concen: 15.052 ng
RT: 7.329 min Scan# 61
Delta R.T. 0.005 min
Lab File: BG052640.D
Acq: 10 Mar 2022 18:54

Instrument :
BNA_G
ClientSampleId :
SAMPLE-15

Tgt Ion: 99 Resp: 5909
Ion Ratio Lower Upper
99 100
42 16.9 14.7 22.1
71 38.0 29.2 43.8

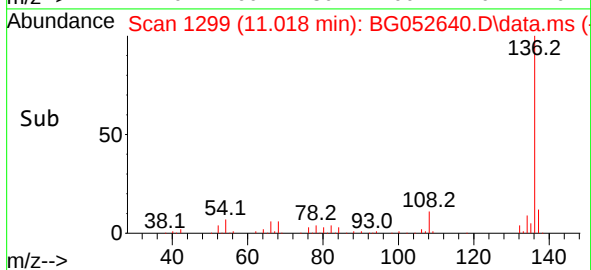
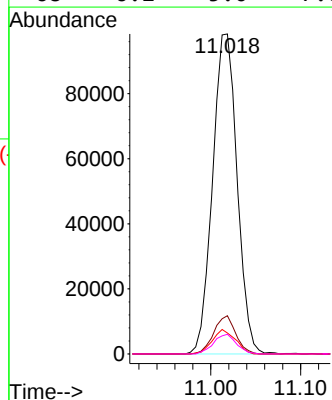
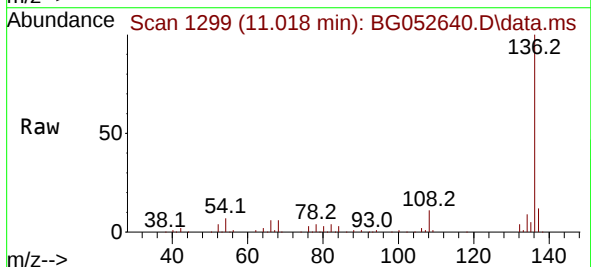
Manual Integrations
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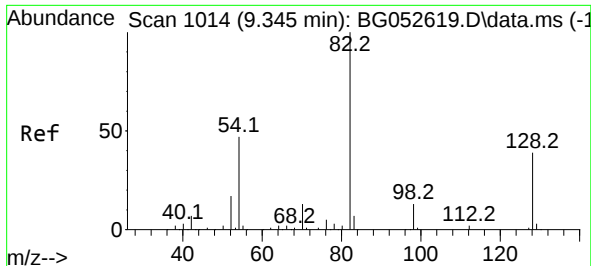
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.018 min Scan# 1299
Delta R.T. 0.005 min
Lab File: BG052640.D
Acq: 10 Mar 2022 18:54

Tgt Ion:136 Resp: 186462
Ion Ratio Lower Upper
136 100
137 12.0 9.4 14.2
54 6.5 6.4 9.6
68 6.2 5.0 7.6





#23
Nitrobenzene-d5
Concen: 10.034 ng
RT: 9.350 min Scan# 1015
Delta R.T. 0.005 min
Lab File: BG052640.D
Acq: 10 Mar 2022 18:54

Instrument :

BNA_G

ClientSampleId :

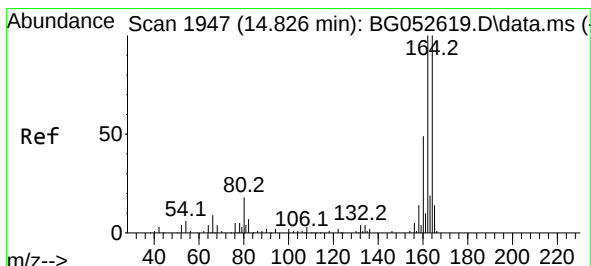
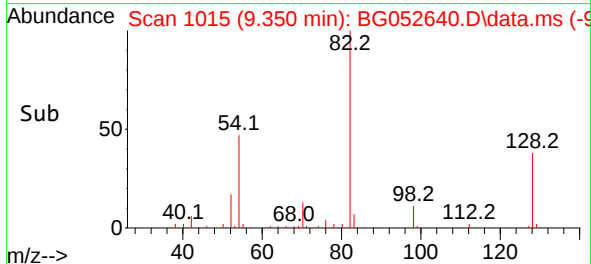
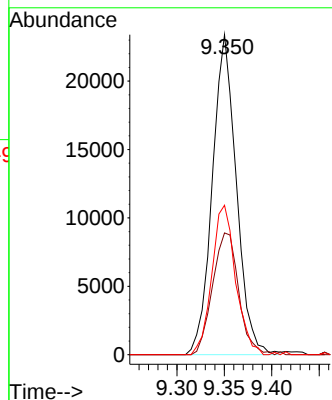
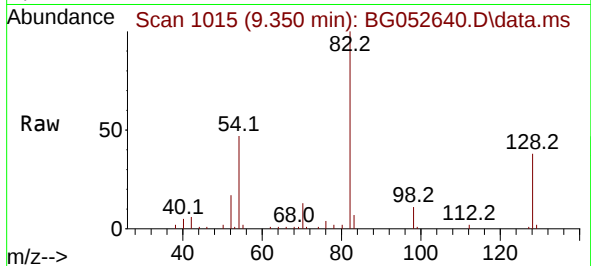
SAMPLE-15

Tgt Ion: 82 Resp: 41274
Ion Ratio Lower Upper
82 100
128 38.0 31.3 46.9
54 46.7 37.8 56.8

Manual Integrations

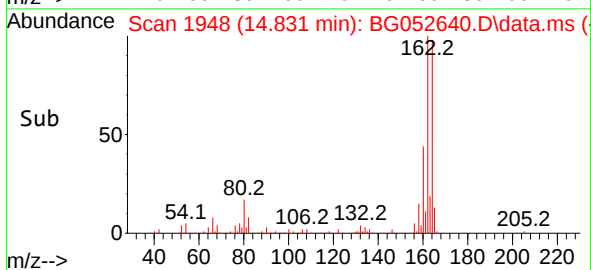
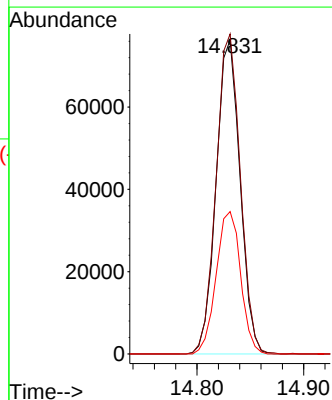
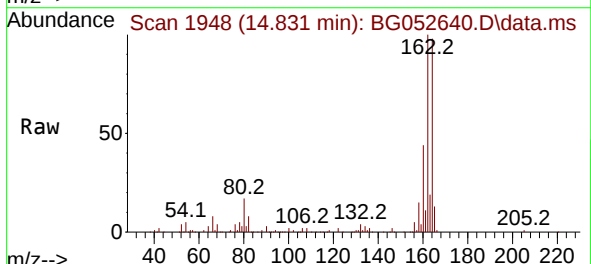
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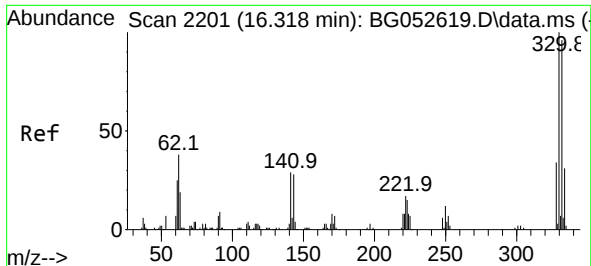
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.831 min Scan# 1948
Delta R.T. 0.005 min
Lab File: BG052640.D
Acq: 10 Mar 2022 18:54

Tgt Ion:164 Resp: 118755
Ion Ratio Lower Upper
164 100
162 101.9 80.0 120.0
160 45.3 38.8 58.2





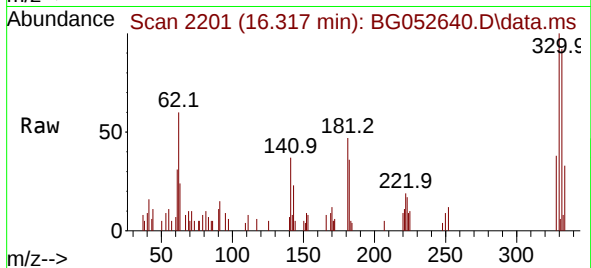
#42
2,4,6-Tribromophenol
Concen: 3.745 ng
RT: 16.317 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG052640.D
Acq: 10 Mar 2022 18:54

Instrument :

BNA_G

ClientSampleId :

SAMPLE-15

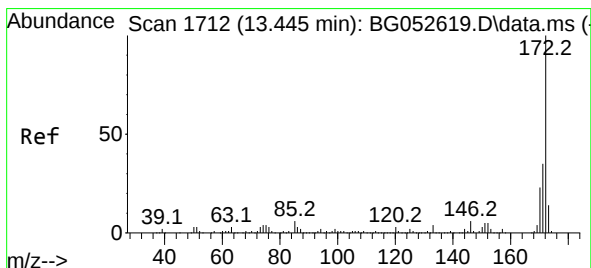
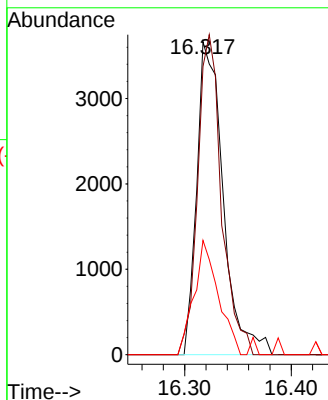
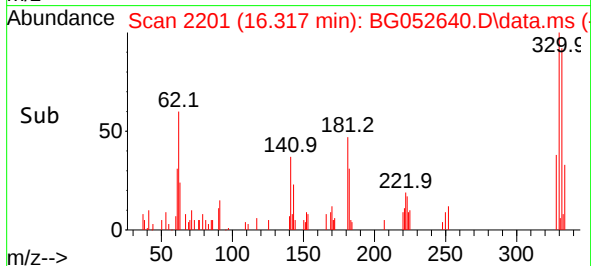


Tgt Ion:330 Resp: 6308
Ion Ratio Lower Upper
330 100
332 92.4 75.8 113.6
141 33.6 24.6 36.8

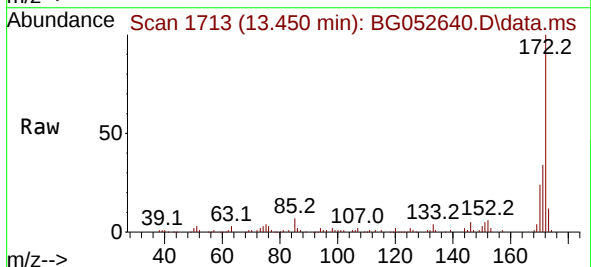
Manual Integrations

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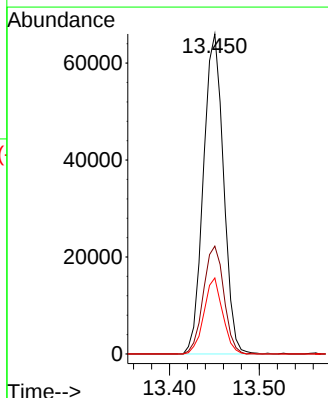
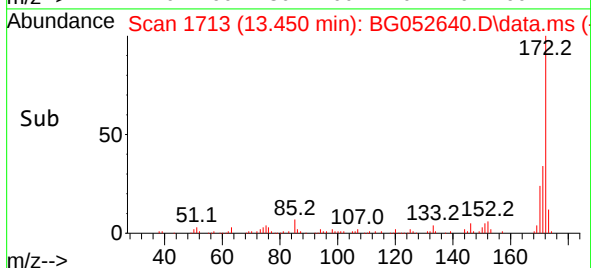
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022

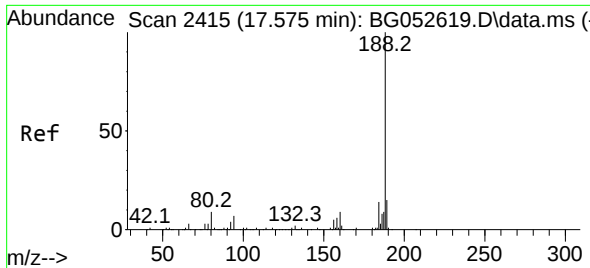


#45
2-Fluorobiphenyl
Concen: 11.649 ng
RT: 13.450 min Scan# 1713
Delta R.T. 0.005 min
Lab File: BG052640.D
Acq: 10 Mar 2022 18:54



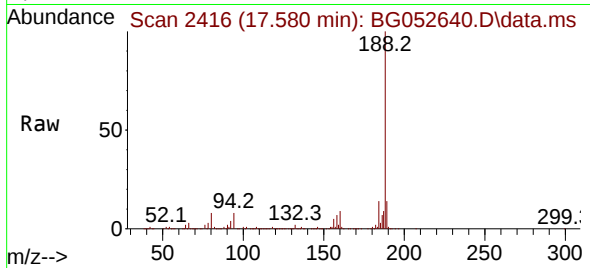
Tgt Ion:172 Resp: 102493
Ion Ratio Lower Upper
172 100
171 33.7 28.3 42.5
170 23.7 18.0 27.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.580 min Scan# 2415
Delta R.T. 0.005 min
Lab File: BG052640.D
Acq: 10 Mar 2022 18:54

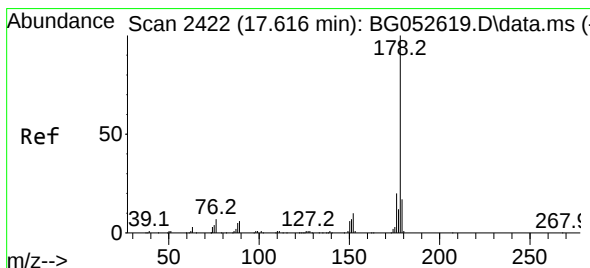
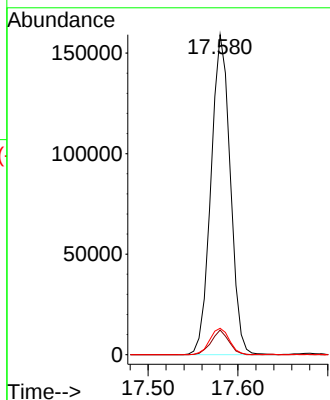
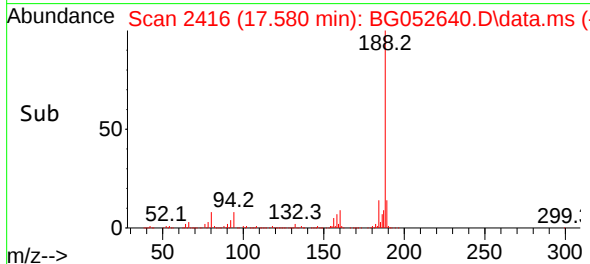
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BNA_G
ClientSampleId :
SAMPLE-15



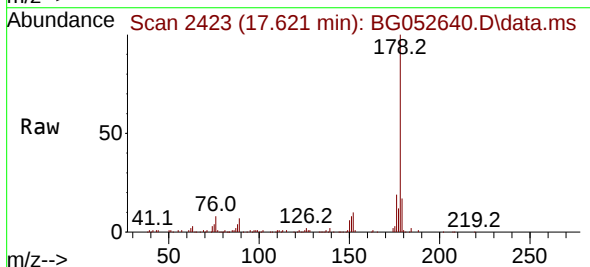
Tgt Ion:188 Resp: 237372
Ion Ratio Lower Upper
188 100
94 7.7 5.7 8.5
80 8.3 7.2 10.8

Manual Integrations
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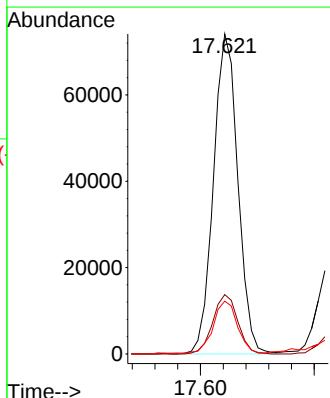
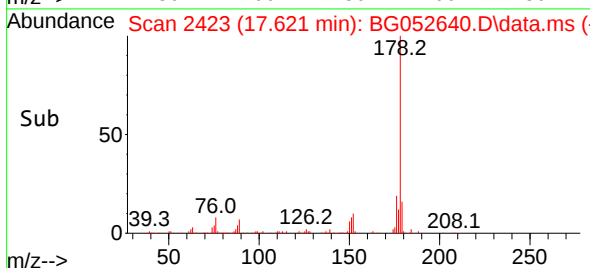
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022

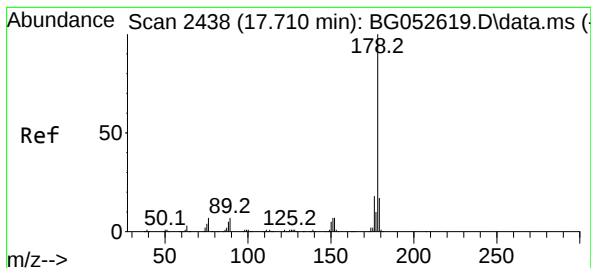


#71
Phenanthrene
Concen: 8.874 ng
RT: 17.621 min Scan# 2423
Delta R.T. 0.005 min
Lab File: BG052640.D
Acq: 10 Mar 2022 18:54



Tgt Ion:178 Resp: 110523
Ion Ratio Lower Upper
178 100
176 18.6 15.9 23.9
179 16.5 13.4 20.2





#72

Anthracene

Concen: 2.543 ng

RT: 17.715 min Scan# 2438

Delta R.T. 0.005 min

Lab File: BG052640.D

Acq: 10 Mar 2022 18:54

Instrument :

BNA_G

ClientSampleId :

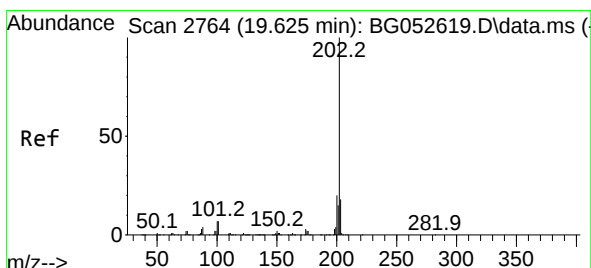
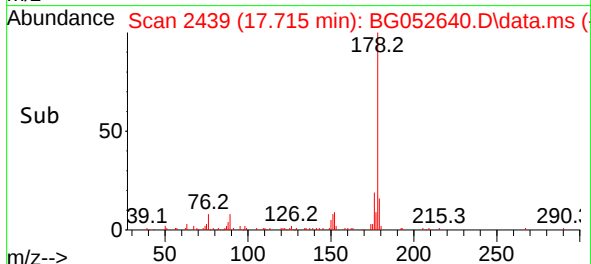
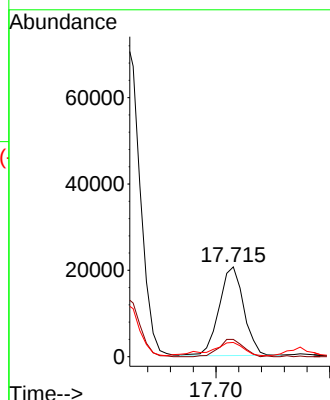
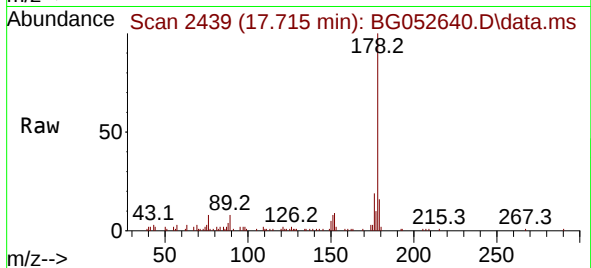
SAMPLE-15

Tgt Ion:178 Resp: 31008
 Ion Ratio Lower Upper
 178 100
 176 19.3 14.7 22.1
 179 15.8 13.2 19.8

Manual Integrations

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Reviewed By :Christian Giraldo 03/11/2022
 Supervised By :Jagrut Upadhyay 03/11/2022



#75

Fluoranthene

Concen: 7.563 ng

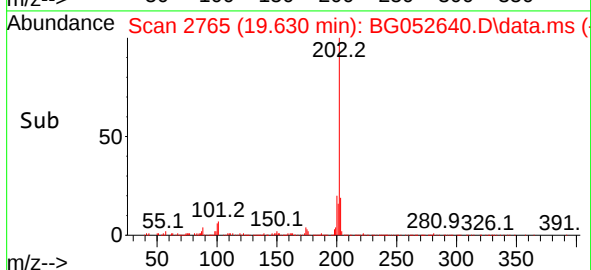
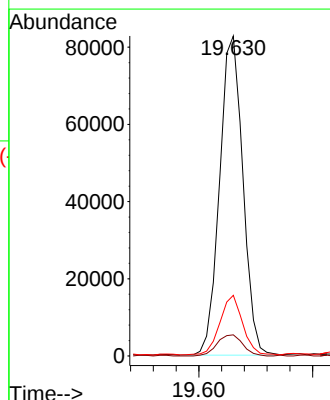
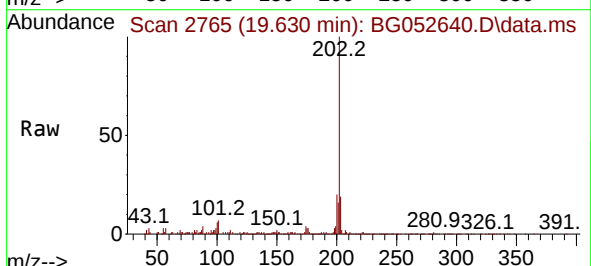
RT: 19.630 min Scan# 2765

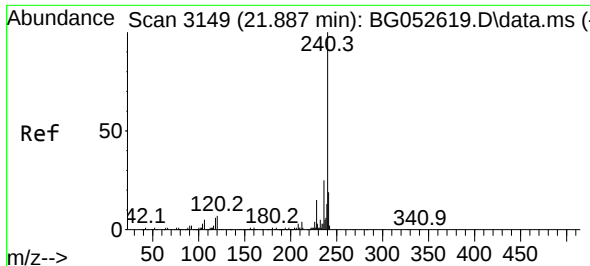
Delta R.T. 0.005 min

Lab File: BG052640.D

Acq: 10 Mar 2022 18:54

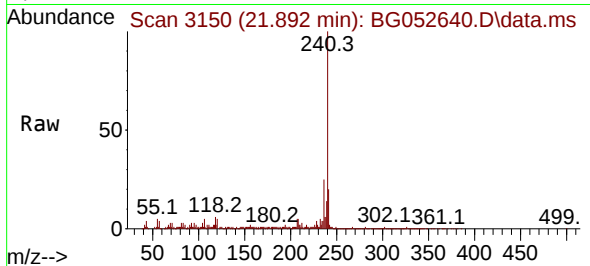
Tgt Ion:202 Resp: 117610
 Ion Ratio Lower Upper
 202 100
 101 6.6 0.0 27.3
 203 19.0 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.892 min Scan# 3149
Delta R.T. 0.005 min
Lab File: BG052640.D
Acq: 10 Mar 2022 18:54

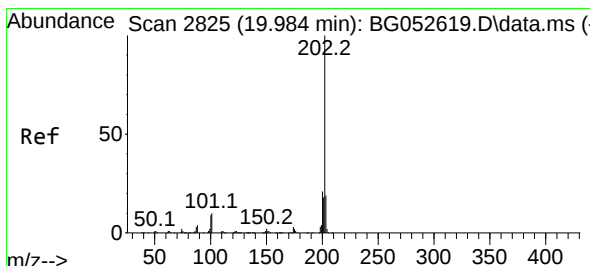
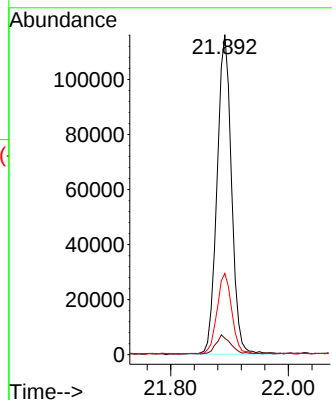
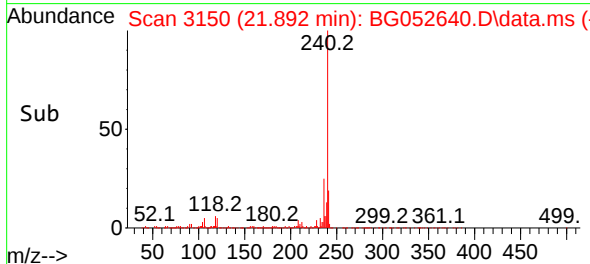
Instrument :
BNA_G
ClientSampleId :
SAMPLE-15



Tgt Ion:240 Resp: 19773
Ion Ratio Lower Upper
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120 5.1 5.4 8.0
236 25.4 19.8 29.6

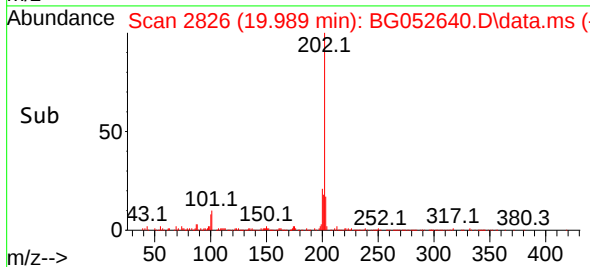
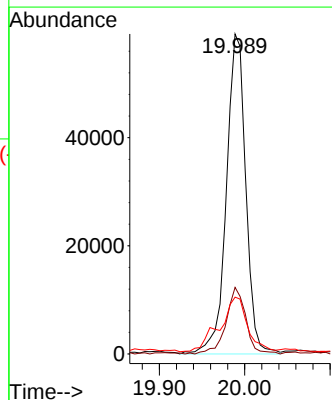
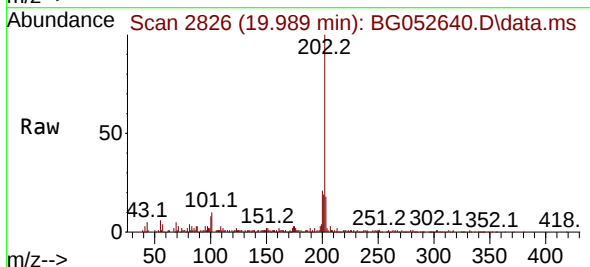
Manual Integrations
APPROVED

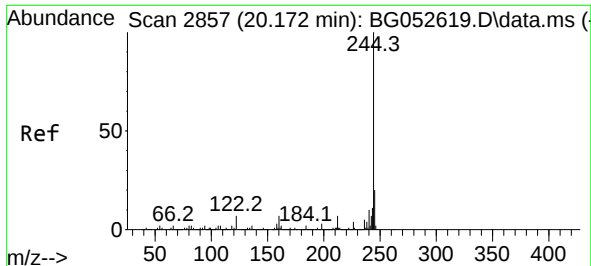
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#78
Pyrene
Concen: 7.080 ng
RT: 19.989 min Scan# 2826
Delta R.T. 0.005 min
Lab File: BG052640.D
Acq: 10 Mar 2022 18:54

Tgt Ion:202 Resp: 93571
Ion Ratio Lower Upper
202 100
200 20.8 17.0 25.6
203 17.8 15.0 22.6





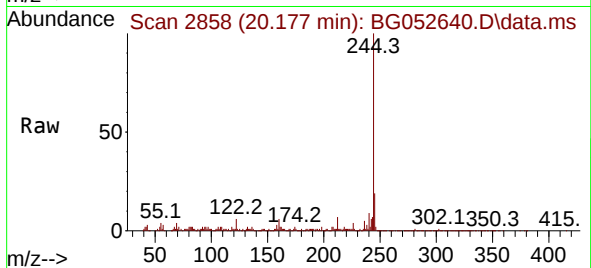
#79
 Terphenyl-d14
 Concen: 11.660 ng
 RT: 20.177 min Scan# 21
 Delta R.T. 0.005 min
 Lab File: BG052640.D
 Acq: 10 Mar 2022 18:54

Instrument :

BNA_G

ClientSampleId :

SAMPLE-15

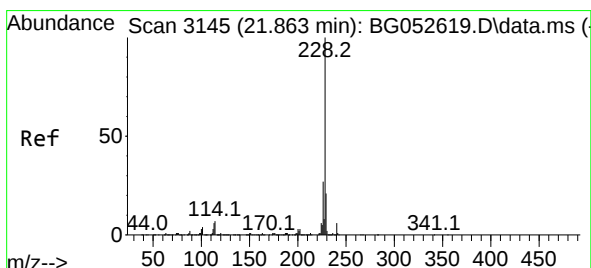
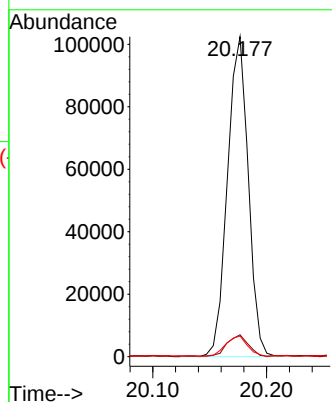
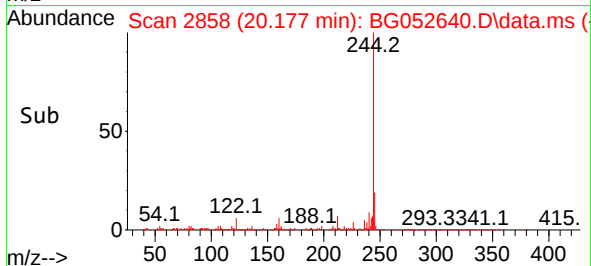


Tgt Ion:244 Resp: 13029
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 6.5 5.8 8.6

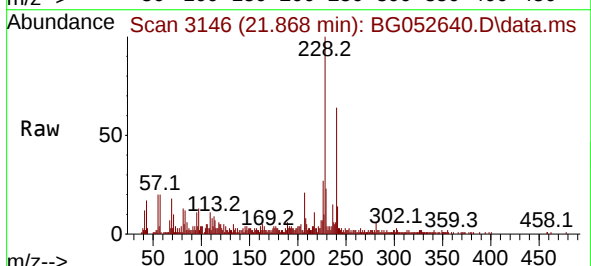
Manual Integrations

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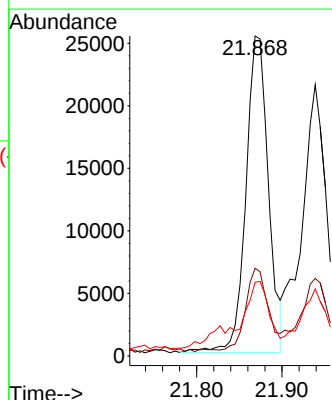
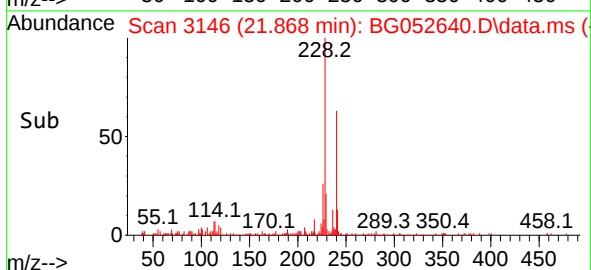
Reviewed By :Christian Giraldo 03/11/2022
 Supervised By :Jagrut Upadhyay 03/11/2022

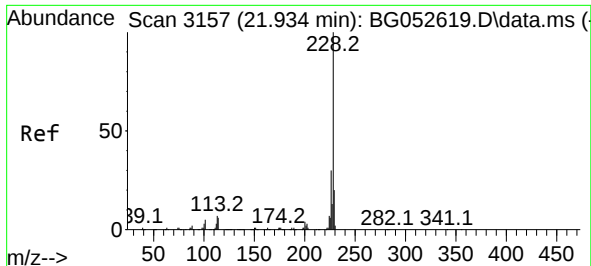


#81
 Benzo(a)anthracene
 Concen: 3.504 ng
 RT: 21.868 min Scan# 3146
 Delta R.T. 0.005 min
 Lab File: BG052640.D
 Acq: 10 Mar 2022 18:54



Tgt Ion:228 Resp: 46415
 Ion Ratio Lower Upper
 228 100
 226 27.4 21.4 32.0
 229 23.0 16.7 25.1





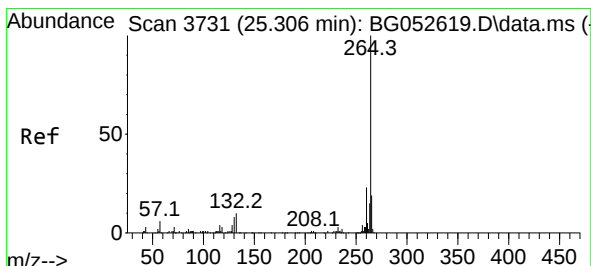
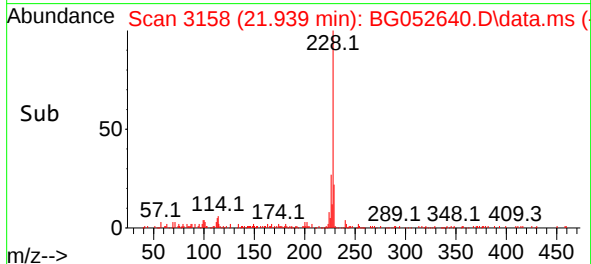
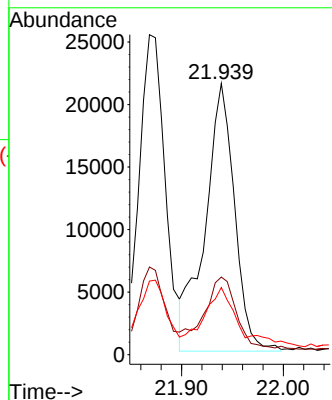
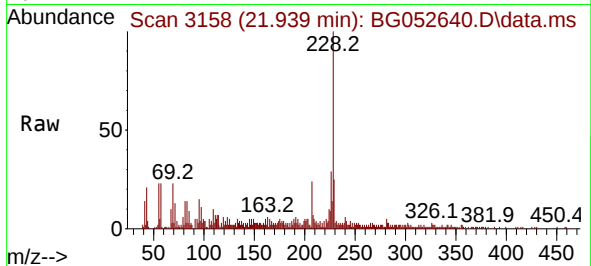
#83
Chrysene
Concen: 3.488 ng m
RT: 21.939 min Scan# 3157
Delta R.T. 0.005 min
Lab File: BG052640.D
Acq: 10 Mar 2022 18:54

Instrument :
BNA_G
ClientSampleId :
SAMPLE-15

Tgt Ion:228 Resp: 4320
Ion Ratio Lower Upper
228 100
226 28.6 24.2 36.4
229 24.8 16.3 24.5

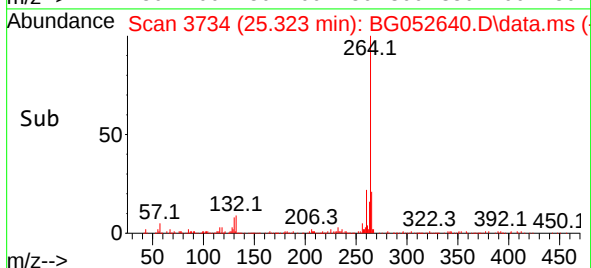
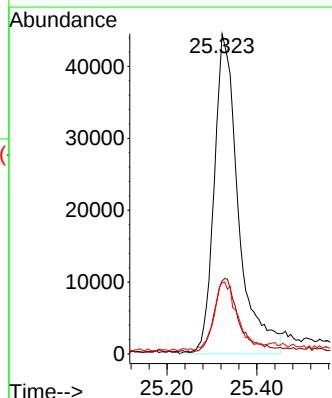
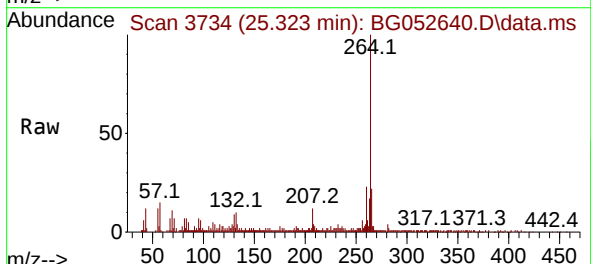
Manual Integrations
APPROVED

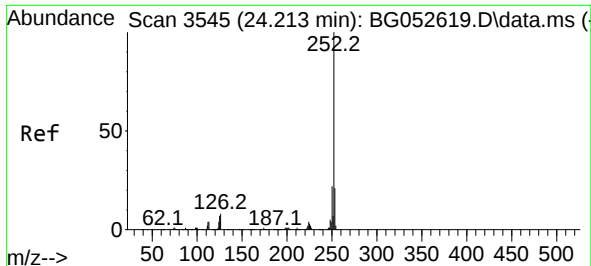
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.323 min Scan# 3734
Delta R.T. 0.017 min
Lab File: BG052640.D
Acq: 10 Mar 2022 18:54

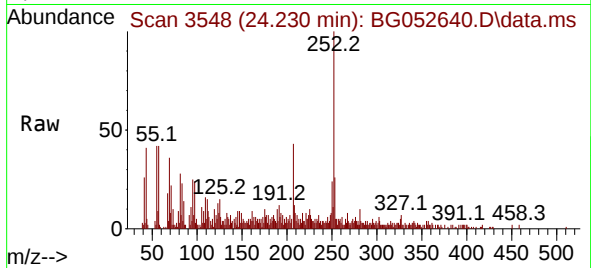
Tgt Ion:264 Resp: 167861
Ion Ratio Lower Upper
264 100
260 22.8 18.2 27.2
265 22.2 15.1 22.7





#88
Benzo(b)fluoranthene
Concen: 3.907 ng m
RT: 24.230 min Scan# 31
Delta R.T. 0.017 min
Lab File: BG052640.D
Acq: 10 Mar 2022 18:54

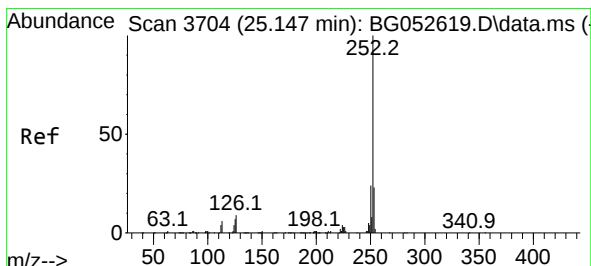
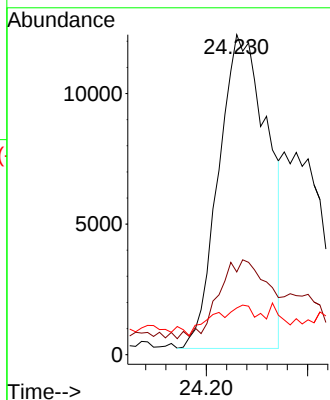
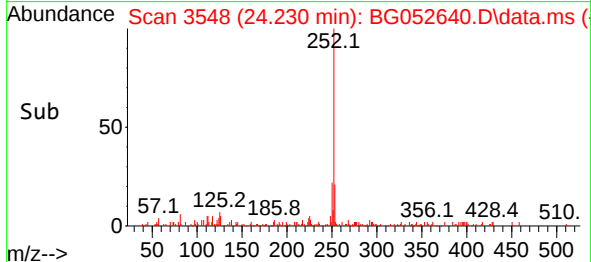
Instrument :
BNA_G
ClientSampleId :
SAMPLE-15



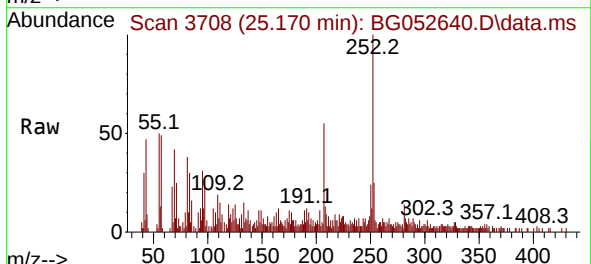
Tgt Ion:252 Resp: 40492
Ion Ratio Lower Upper
252 100
253 25.9 17.2 25.8
125 14.6 5.2 7.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#90
Benzo(a)pyrene
Concen: 3.077 ng
RT: 25.170 min Scan# 3708
Delta R.T. 0.023 min
Lab File: BG052640.D
Acq: 10 Mar 2022 18:54



Tgt Ion:252 Resp: 26983
Ion Ratio Lower Upper
252 100
253 25.2 18.4 27.6
125 14.3 5.6 8.4

