

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090222\
 Data File : BG054844.D
 Acq On : 2 Sep 2022 17:35
 Operator : CG/JU
 Sample : N4487-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 H-1

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/06/2022
 Supervised By : Jagrut Upadhyay 09/06/2022

Quant Time: Sep 03 00:29:08 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 17:50:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.151	152	49242	20.000	ng	0.00
21) Naphthalene-d8	10.977	136	211626	20.000	ng	0.00
39) Acenaphthene-d10	14.784	164	136282	20.000	ng	0.00
64) Phenanthrene-d10	17.528	188	276480	20.000	ng	0.00
76) Chrysene-d12	21.823	240	251655	20.000	ng	0.00
86) Perylene-d12	25.195	264	266789	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.689	112	341144	120.640	ng	0.00
7) Phenol-d6	7.304	99	465125	120.273	ng	0.00
23) Nitrobenzene-d5	9.326	82	282765	70.143	ng	0.00
42) 2,4,6-Tribromophenol	16.270	330	188886	110.918	ng	0.00
45) 2-Fluorobiphenyl	13.409	172	707043	77.978	ng	0.00
79) Terphenyl-d14	20.125	244	993204	78.199	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.569	178	374988	25.460	ng	99
72) Anthracene	17.663	178	33646	2.350	ng	98
73) Carbazole	17.927	167	52397	3.972	ng	99
75) Fluoranthene	19.578	202	588766	32.861	ng	98
78) Pyrene	19.937	202	443860	25.294	ng	99
81) Benzo(a)anthracene	21.799	228	174759	10.242	ng	99
83) Chrysene	21.870	228	220255	13.501	ng	98
87) Indeno(1,2,3-cd)pyrene	29.079	276	92118	4.548	ng	92
88) Benzo(b)fluoranthene	24.120	252	251435	15.024	ng	98
89) Benzo(k)fluoranthene	24.179	252	95703m	5.682	ng	
90) Benzo(a)pyrene	25.031	252	146433	10.241	ng	99
92) Benzo(g,h,i)perylene	30.301	276	85420	5.124	ng	97

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

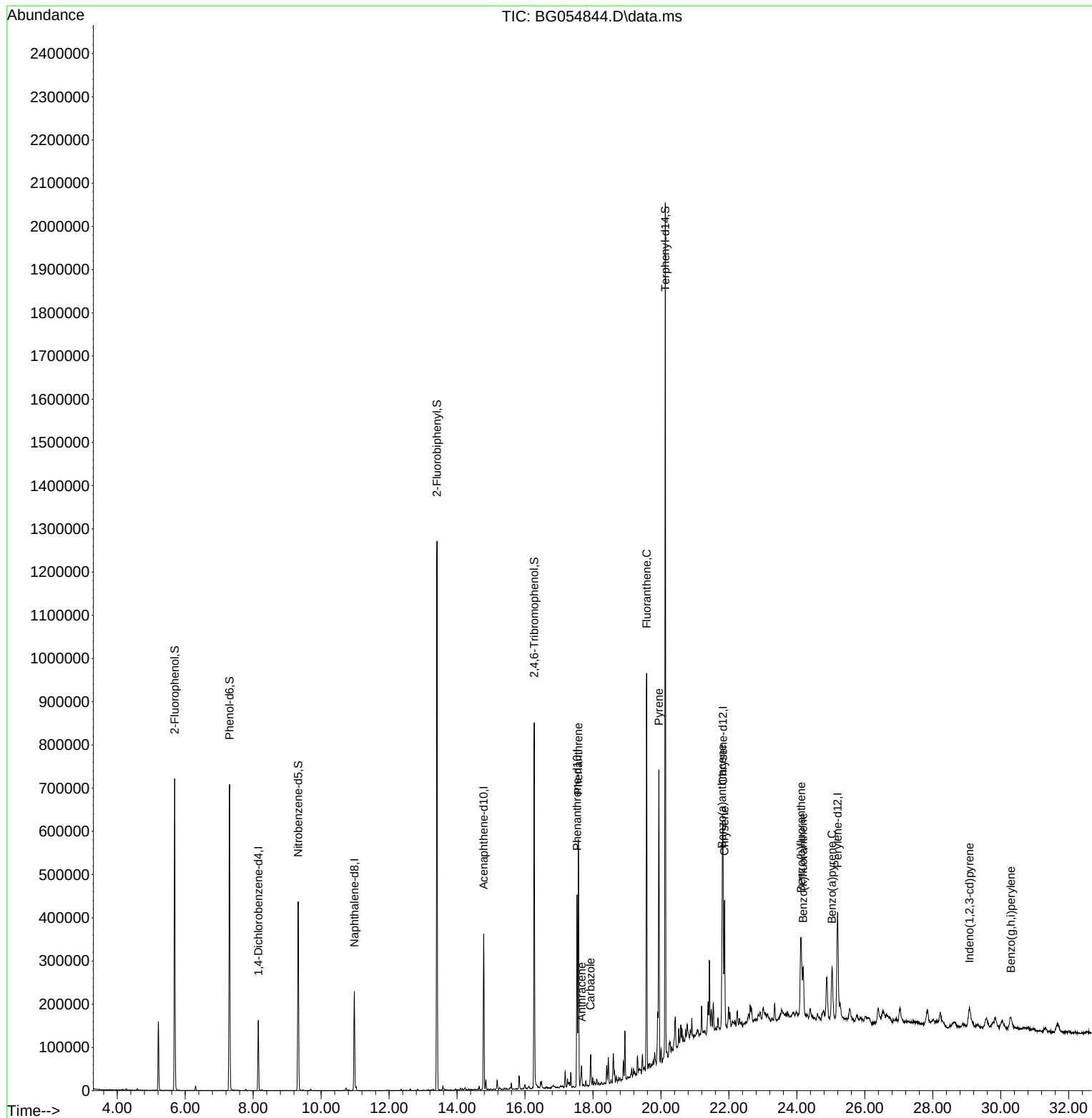
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090222\
Data File : BG054844.D
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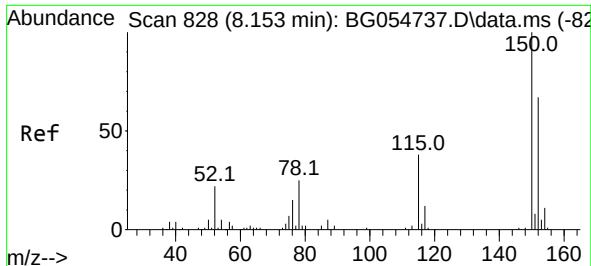
Instrument :
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Quant Time: Sep 03 00:29:08 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 25 17:50:55 2022
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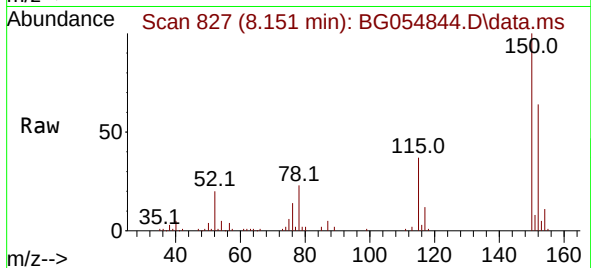
Reviewed By : Christian Giraldo 09/06/2022
Supervised By : Jagrut Upadhyay 09/06/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.151 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG054844.D
Acq: 2 Sep 2022 17:35

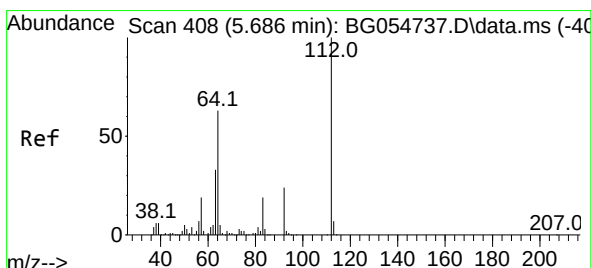
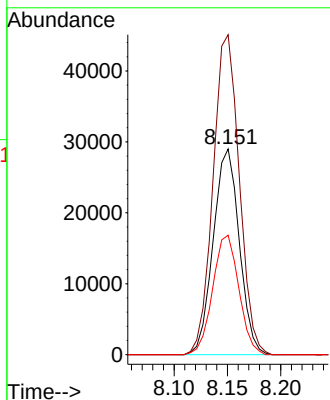
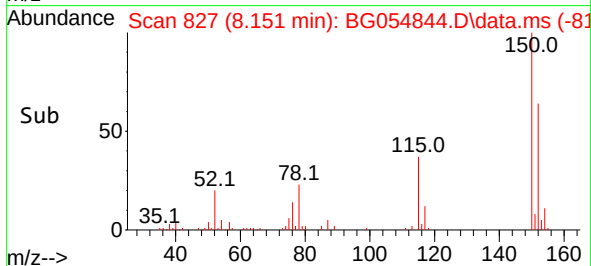
Instrument :
BNA_G
ClientSampleId :
H-1



Tgt Ion:152 Resp: 4924
Ion Ratio Lower Upper
152 100
150 155.6 125.2 187.8
115 58.1 47.9 71.9

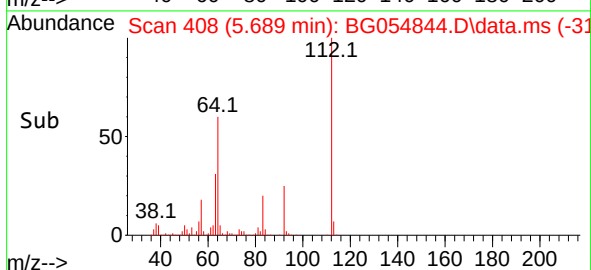
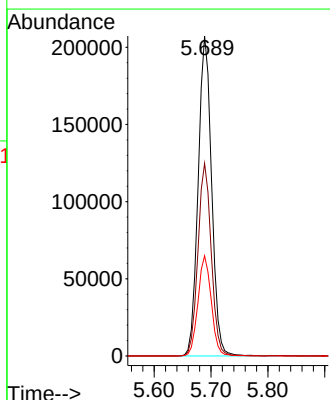
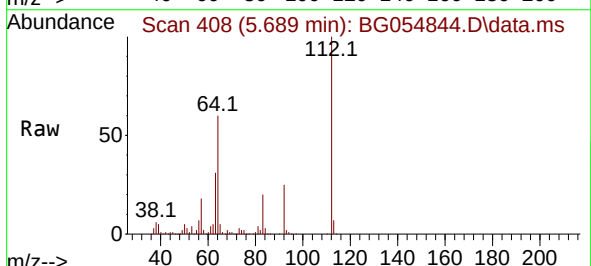
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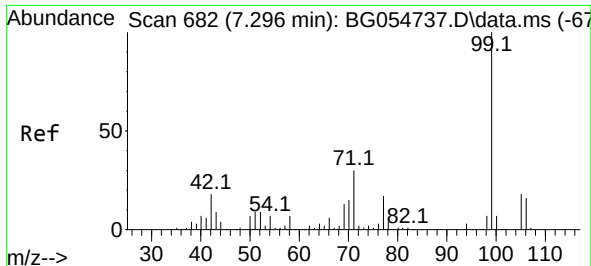
Reviewed By :Christian Giraldo 09/06/2022
Supervised By :Jagrut Upadhyay 09/06/2022



#5
2-Fluorophenol
Concen: 120.640 ng
RT: 5.689 min Scan# 408
Delta R.T. 0.003 min
Lab File: BG054844.D
Acq: 2 Sep 2022 17:35

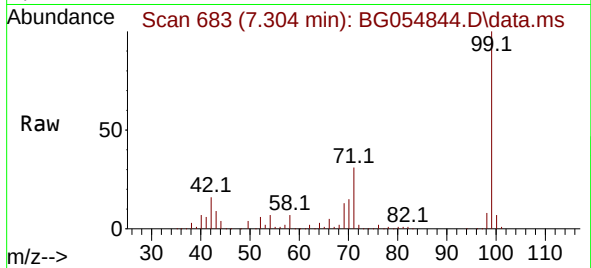
Tgt Ion:112 Resp: 341144
Ion Ratio Lower Upper
112 100
64 60.2 49.3 73.9
63 31.3 26.3 39.5





#7
Phenol-d6
Concen: 120.273 ng
RT: 7.304 min Scan# 683
Delta R.T. 0.009 min
Lab File: BG054844.D
Acq: 2 Sep 2022 17:35

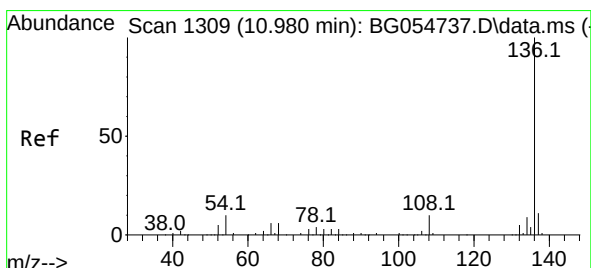
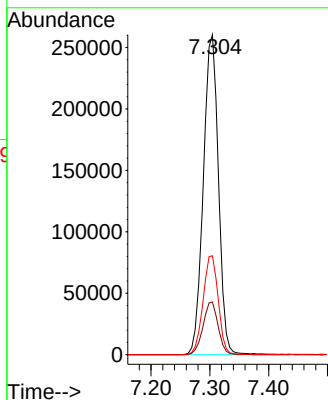
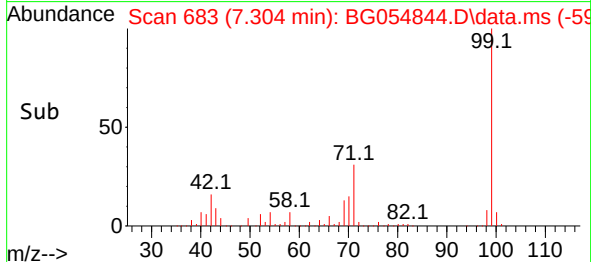
Instrument :
BNA_G
ClientSampleId :
H-1



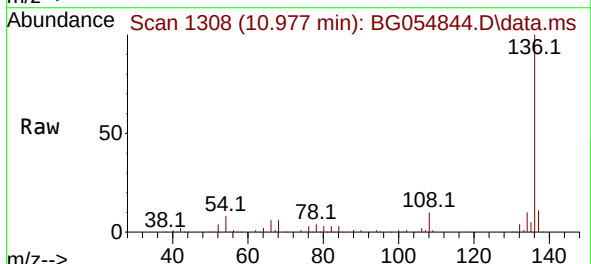
Tgt Ion: 99 Resp: 46512
Ion Ratio Lower Upper
99 100
42 16.5 14.6 22.0
71 30.9 24.6 37.0

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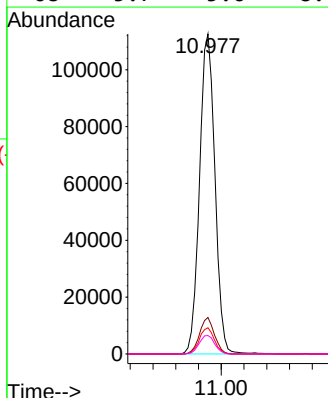
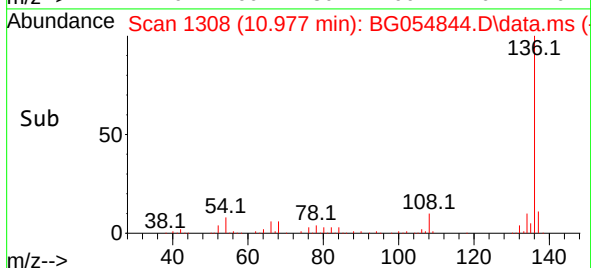
Reviewed By :Christian Giraldo 09/06/2022
Supervised By :Jagrut Upadhyay 09/06/2022

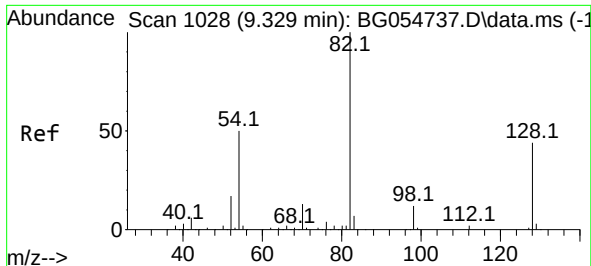


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.977 min Scan# 1308
Delta R.T. -0.003 min
Lab File: BG054844.D
Acq: 2 Sep 2022 17:35



Tgt Ion:136 Resp: 211626
Ion Ratio Lower Upper
136 100
137 11.4 9.2 13.8
54 8.2 7.7 11.5
68 5.7 5.6 8.4





#23

Nitrobenzene-d5

Concen: 70.143 ng

RT: 9.326 min Scan# 1028

Delta R.T. -0.003 min

Lab File: BG054844.D

Acq: 2 Sep 2022 17:35

Instrument :

BNA_G

ClientSampleId :

H-1

Tgt Ion: 82 Resp: 28276

Ion Ratio Lower Upper

82 100

128 45.0 32.2 48.2

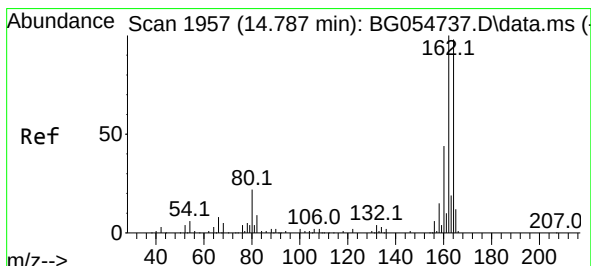
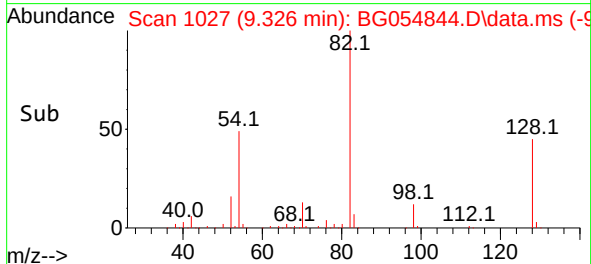
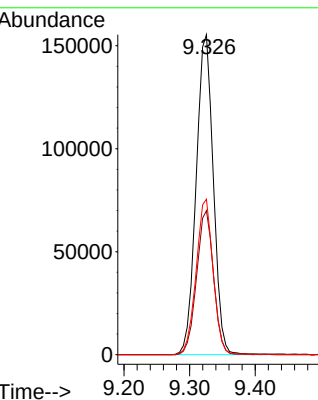
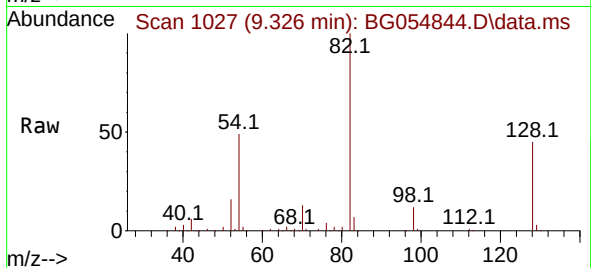
54 48.6 41.4 62.0

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.784 min Scan# 1956

Delta R.T. -0.003 min

Lab File: BG054844.D

Acq: 2 Sep 2022 17:35

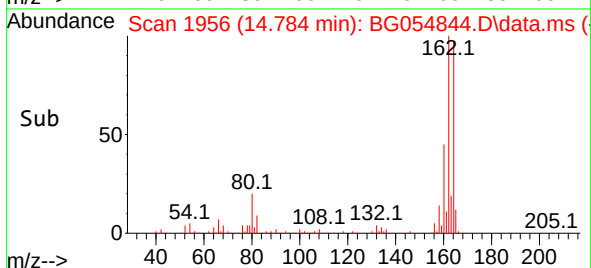
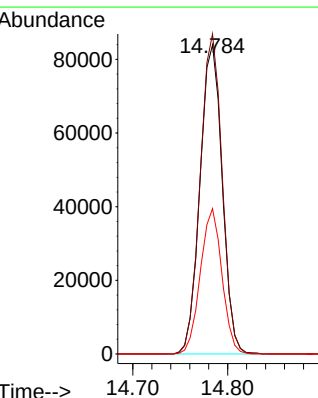
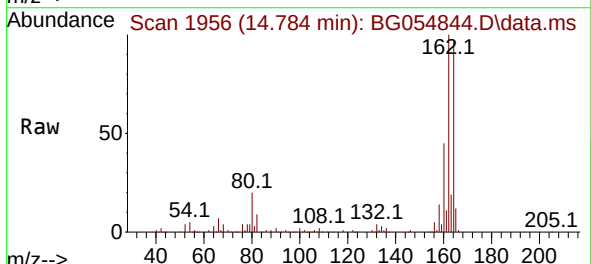
Tgt Ion:164 Resp: 136282

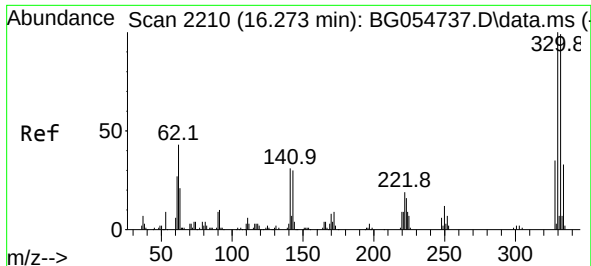
Ion Ratio Lower Upper

164 100

162 103.5 83.0 124.4

160 47.0 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 110.918 ng
RT: 16.270 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG054844.D
Acq: 2 Sep 2022 17:35

Instrument :

BNA_G

ClientSampleId :

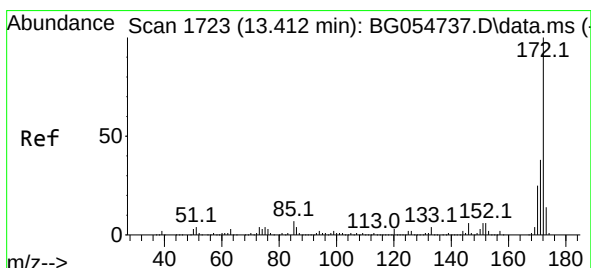
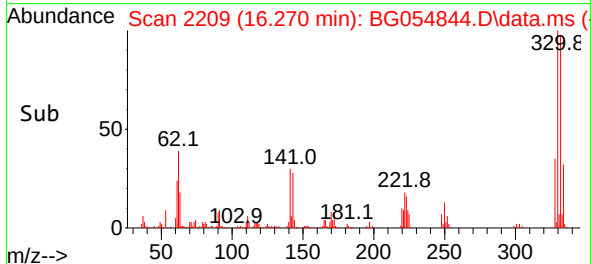
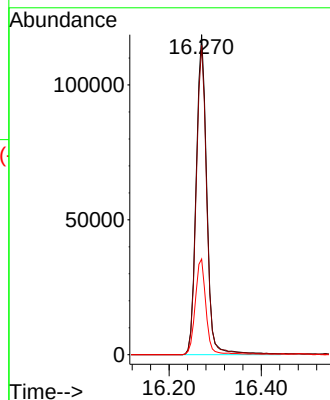
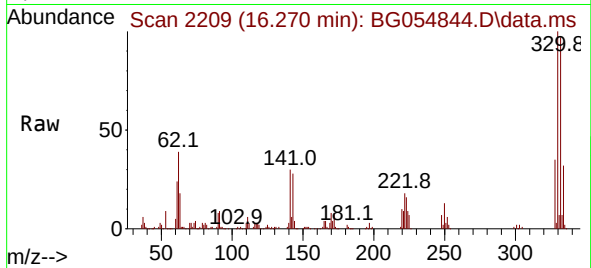
H-1

Tgt Ion:330 Resp: 188880
Ion Ratio Lower Upper
330 100
332 95.5 79.8 119.6
141 30.3 26.8 40.2

Manual Integrations

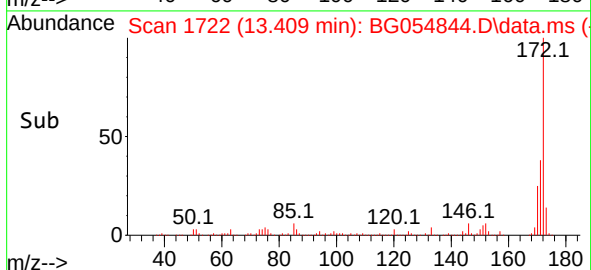
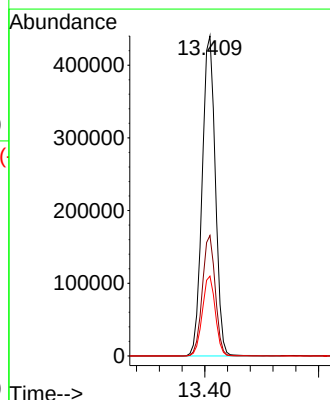
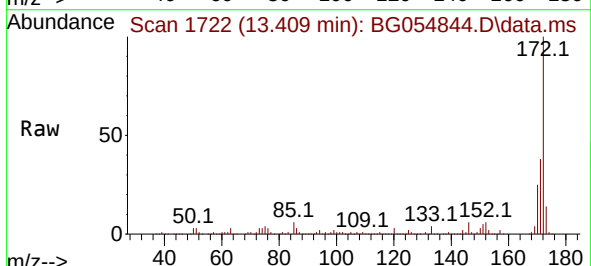
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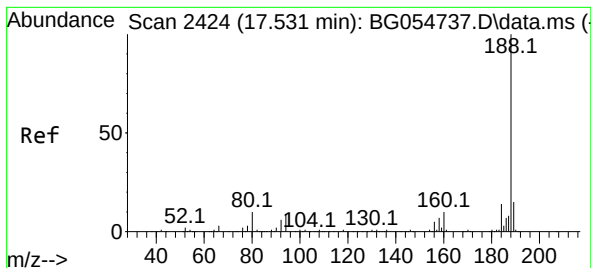
Reviewed By :Christian Giraldo 09/06/2022
Supervised By :Jagrut Upadhyay 09/06/2022



#45
2-Fluorobiphenyl
Concen: 77.978 ng
RT: 13.409 min Scan# 1722
Delta R.T. -0.003 min
Lab File: BG054844.D
Acq: 2 Sep 2022 17:35

Tgt Ion:172 Resp: 707043
Ion Ratio Lower Upper
172 100
171 37.6 31.2 46.8
170 24.9 20.6 30.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.528 min Scan# 24

Delta R.T. -0.003 min

Lab File: BG054844.D

Acq: 2 Sep 2022 17:35

Instrument :

BNA_G

ClientSampleId :

H-1

Tgt Ion:188 Resp: 276480

Ion Ratio Lower Upper

188 100

94 8.4 7.0 10.4

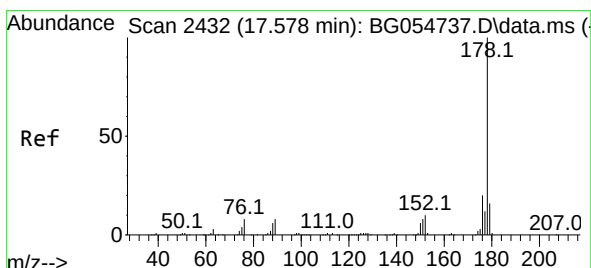
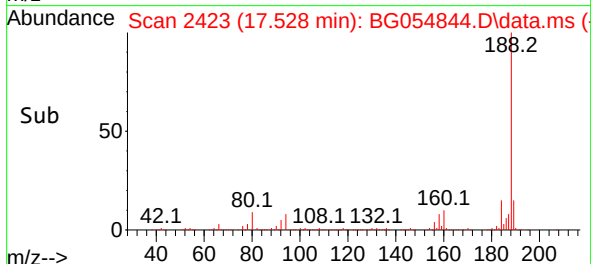
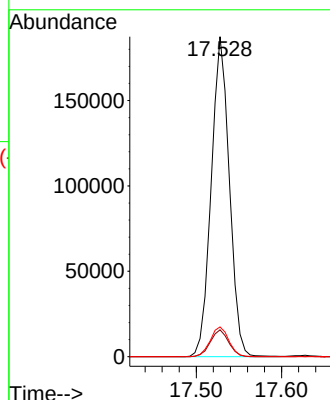
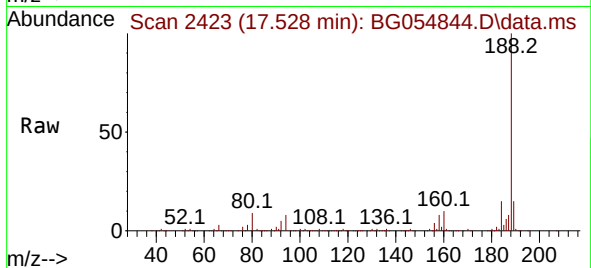
80 9.3 7.9 11.9

Manual Integrations

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Reviewed By :Christian Giraldo 09/06/2022

Supervised By :Jagrut Upadhyay 09/06/2022



#71

Phenanthrene

Concen: 25.460 ng

RT: 17.569 min Scan# 2430

Delta R.T. -0.009 min

Lab File: BG054844.D

Acq: 2 Sep 2022 17:35

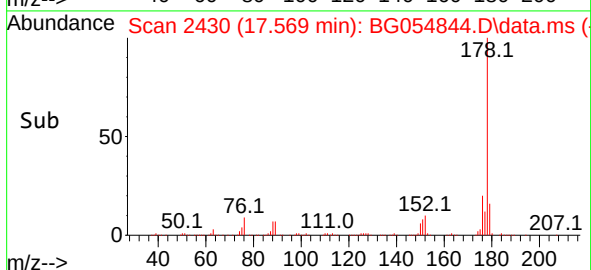
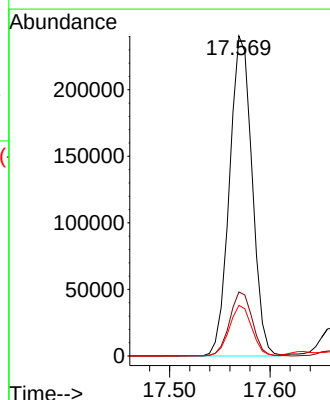
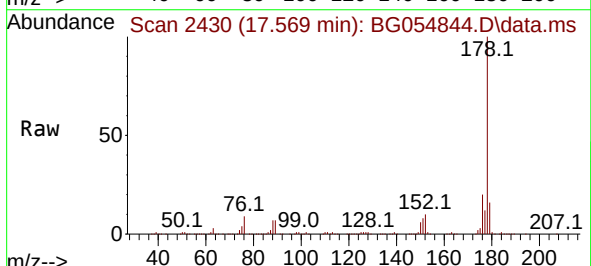
Tgt Ion:178 Resp: 374988

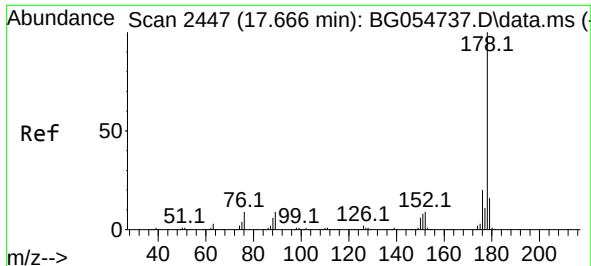
Ion Ratio Lower Upper

178 100

176 20.0 16.6 25.0

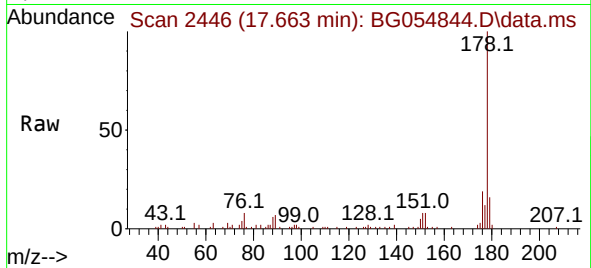
179 15.8 12.8 19.2





#72
 Anthracene
 Concen: 2.350 ng
 RT: 17.663 min Scan# 2447
 Delta R.T. -0.003 min
 Lab File: BG054844.D
 Acq: 2 Sep 2022 17:35

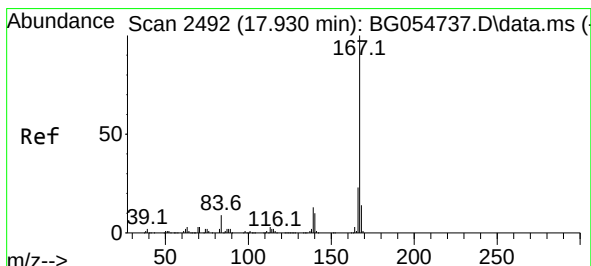
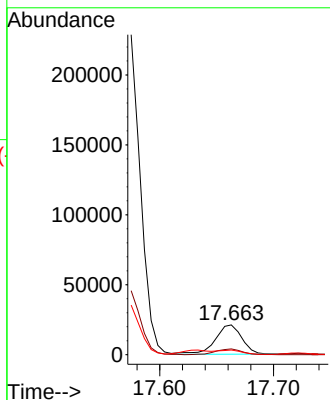
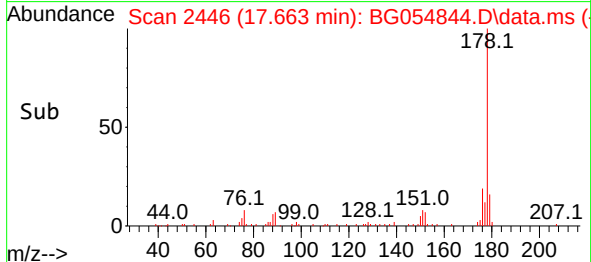
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 ClientSampleId :
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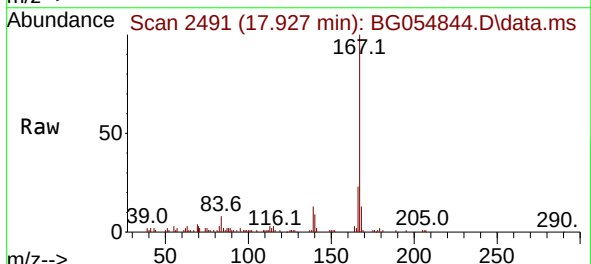
Tgt Ion:178 Resp: 33640
 Ion Ratio Lower Upper
 178 100
 176 19.2 16.2 24.4
 179 15.7 12.9 19.3

Manual Integrations
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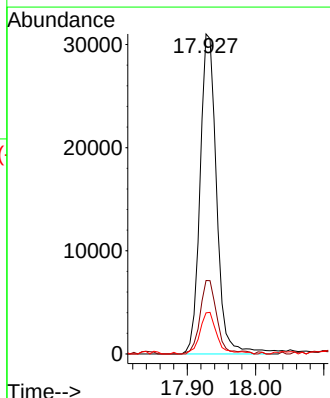
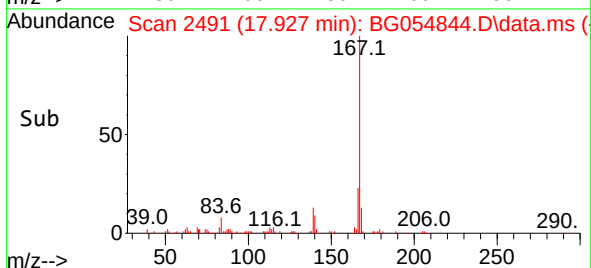
Reviewed By :Christian Giraldo 09/06/2022
 Supervised By :Jagrut Upadhyay 09/06/2022

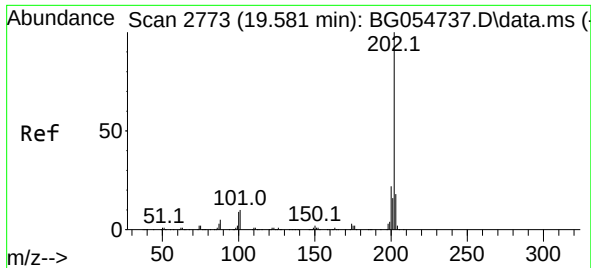


#73
 Carbazole
 Concen: 3.972 ng
 RT: 17.927 min Scan# 2491
 Delta R.T. -0.003 min
 Lab File: BG054844.D
 Acq: 2 Sep 2022 17:35



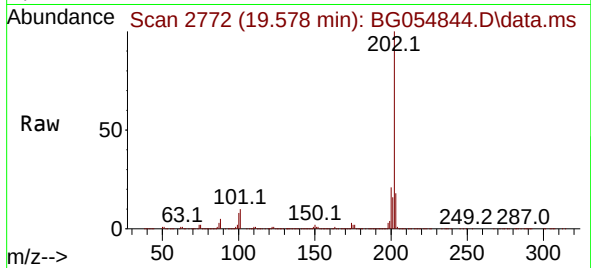
Tgt Ion:167 Resp: 52397
 Ion Ratio Lower Upper
 167 100
 166 22.9 18.8 28.2
 139 12.9 10.2 15.4





#75
Fluoranthene
Concen: 32.861 ng
RT: 19.578 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG054844.D
Acq: 2 Sep 2022 17:35

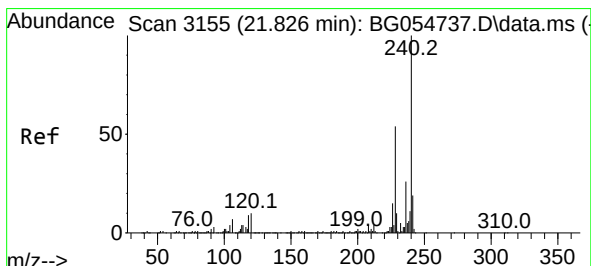
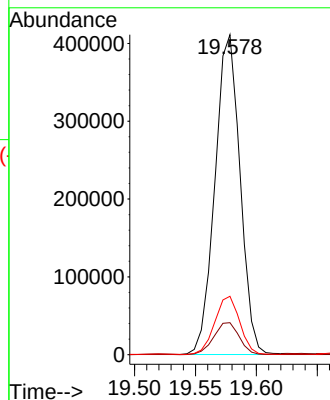
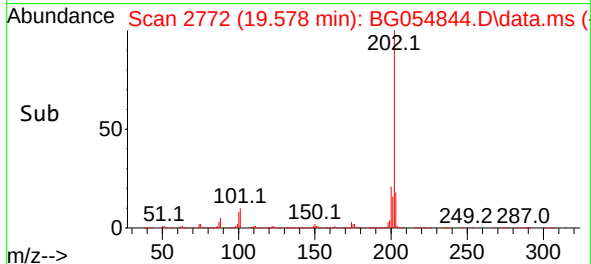
Instrument :
BNA_G
ClientSampleId :
H-1



Tgt Ion:202 Resp: 588760
Ion Ratio Lower Upper
202 100
101 10.0 0.0 31.4
203 18.3 0.0 38.6

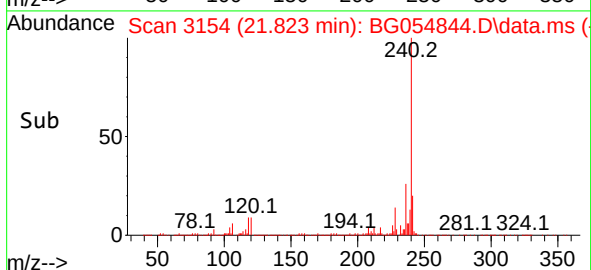
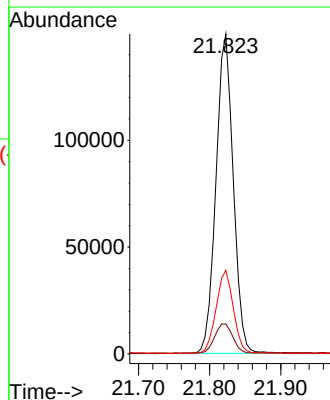
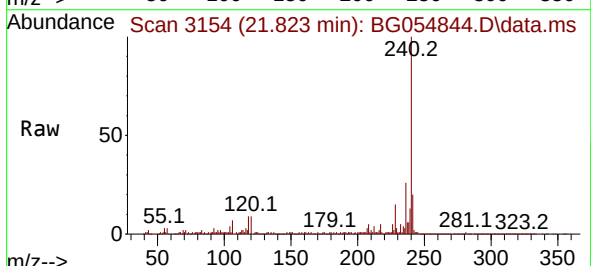
Manual Integrations
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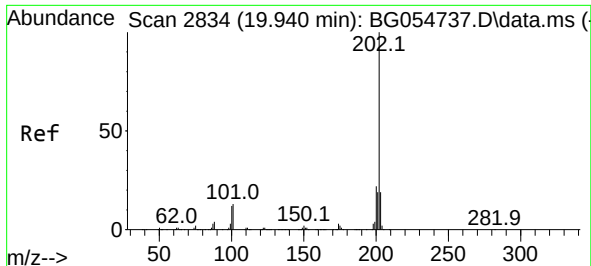
Reviewed By :Christian Giraldo 09/06/2022
Supervised By :Jagrut Upadhyay 09/06/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.823 min Scan# 3154
Delta R.T. -0.003 min
Lab File: BG054844.D
Acq: 2 Sep 2022 17:35

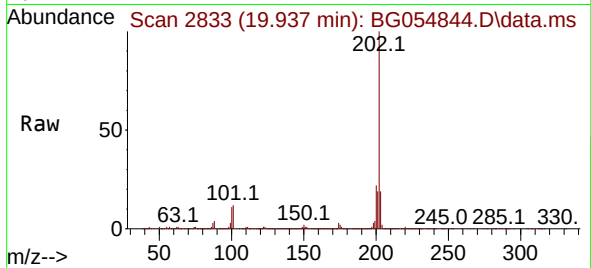
Tgt Ion:240 Resp: 251655
Ion Ratio Lower Upper
240 100
120 9.3 8.2 12.4
236 26.1 21.2 31.8





#78
 Pyrene
 Concen: 25.294 ng
 RT: 19.937 min Scan# 2833
 Delta R.T. -0.003 min
 Lab File: BG054844.D
 Acq: 2 Sep 2022 17:35

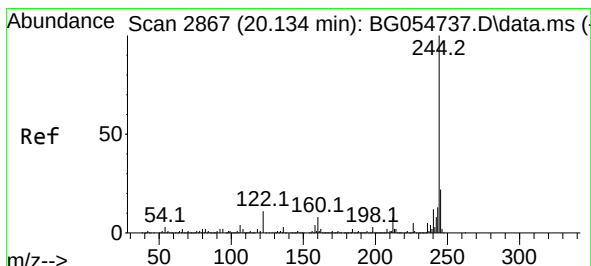
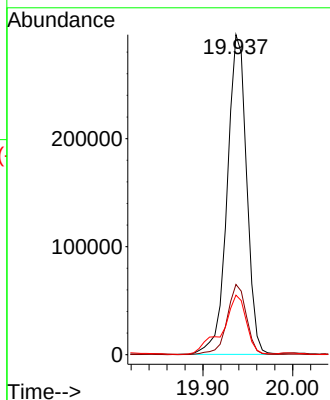
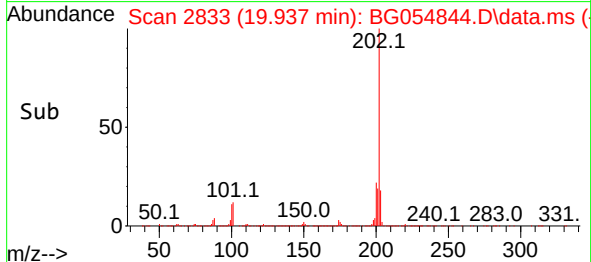
Instrument :
 BNA_G
 ClientSampleId :
 H-1



Tgt Ion:202 Resp: 443860
 Ion Ratio Lower Upper
 202 100
 200 22.0 17.8 26.6
 203 18.6 14.6 21.8

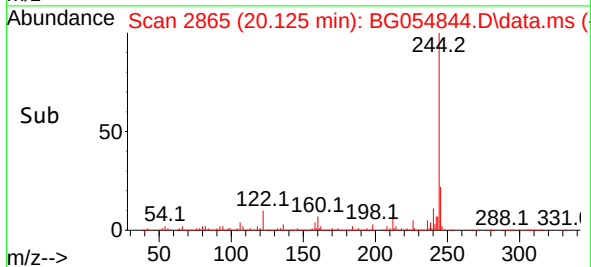
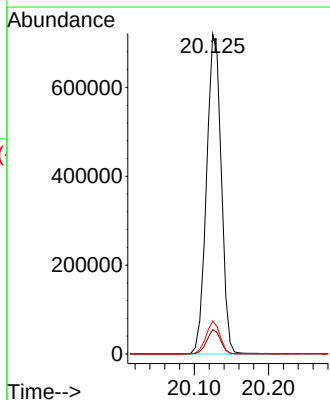
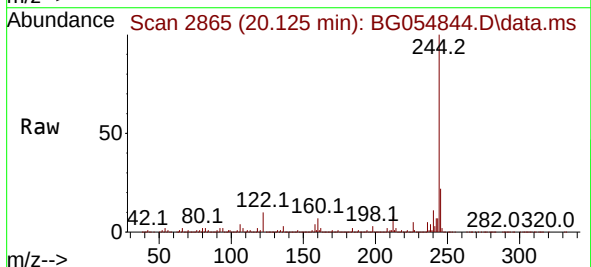
Manual Integrations
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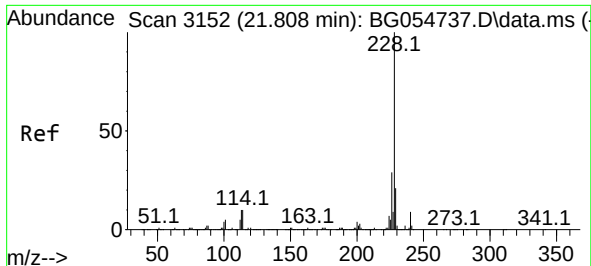
Reviewed By :Christian Giraldo 09/06/2022
 Supervised By :Jagrut Upadhyay 09/06/2022



#79
 Terphenyl-d14
 Concen: 78.199 ng
 RT: 20.125 min Scan# 2865
 Delta R.T. -0.009 min
 Lab File: BG054844.D
 Acq: 2 Sep 2022 17:35

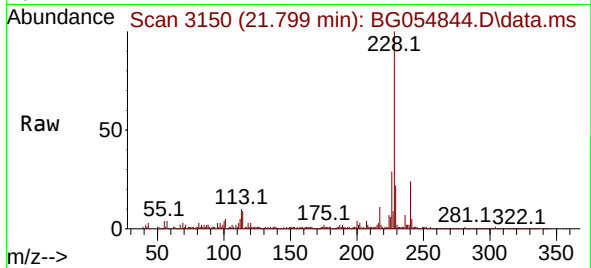
Tgt Ion:244 Resp: 993204
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.2 9.2
 122 10.3 9.0 13.6





#81
Benzo(a)anthracene
Concen: 10.242 ng
RT: 21.799 min Scan# 3150
Delta R.T. -0.009 min
Lab File: BG054844.D
Acq: 2 Sep 2022 17:35

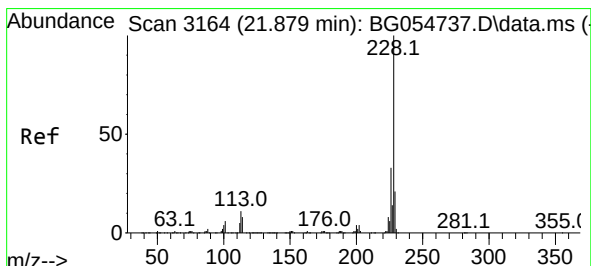
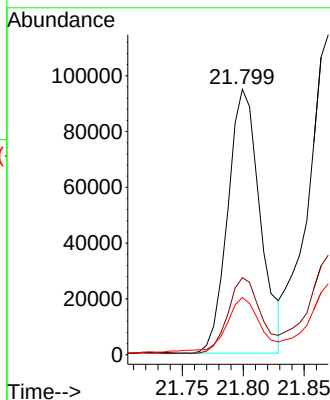
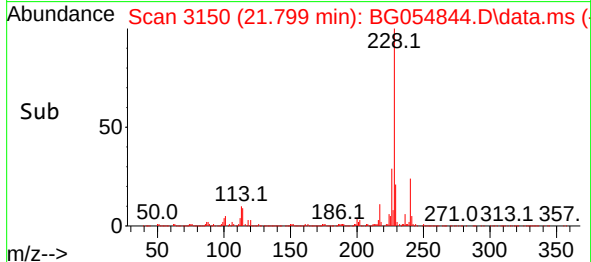
Instrument :
BNA_G
ClientSampleId :
H-1



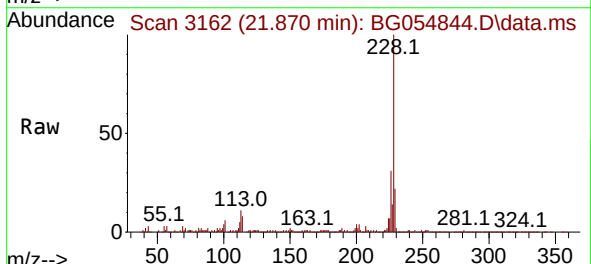
Tgt Ion:228 Resp: 174759
Ion Ratio Lower Upper
228 100
226 29.0 23.4 35.2
229 21.5 16.5 24.7

Manual Integrations
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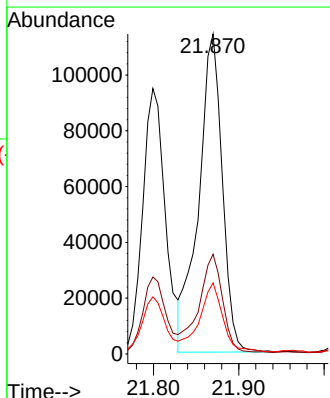
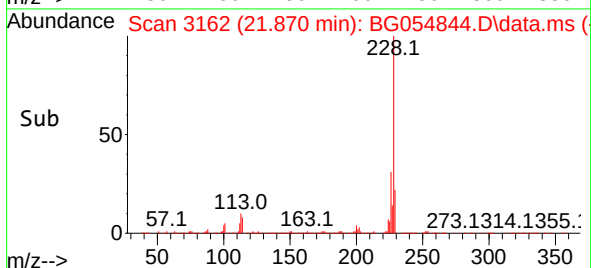
Reviewed By :Christian Giraldo 09/06/2022
Supervised By :Jagrut Upadhyay 09/06/2022

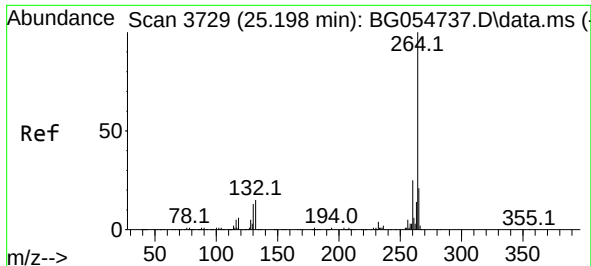


#83
Chrysene
Concen: 13.501 ng
RT: 21.870 min Scan# 3162
Delta R.T. -0.009 min
Lab File: BG054844.D
Acq: 2 Sep 2022 17:35



Tgt Ion:228 Resp: 220255
Ion Ratio Lower Upper
228 100
226 31.1 25.5 38.3
229 22.2 16.8 25.2





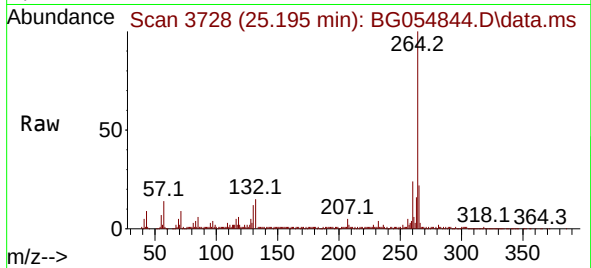
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.195 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: BG054844.D
 Acq: 2 Sep 2022 17:35

Instrument :

BNA_G

ClientSampleId :

H-1

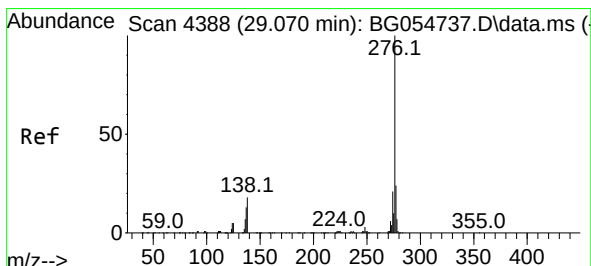
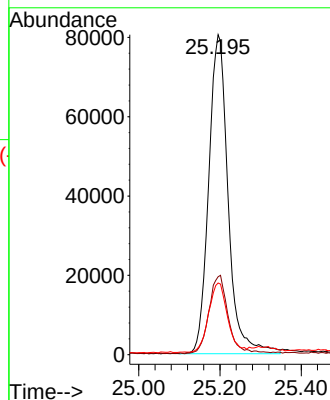
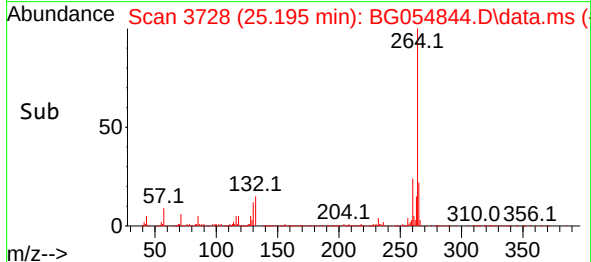


Tgt Ion:264 Resp: 266789
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.9 29.9
 265 22.4 16.9 25.3

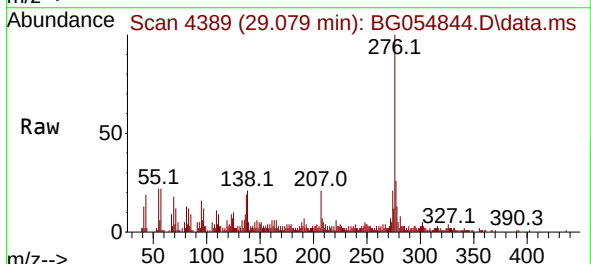
Manual Integrations

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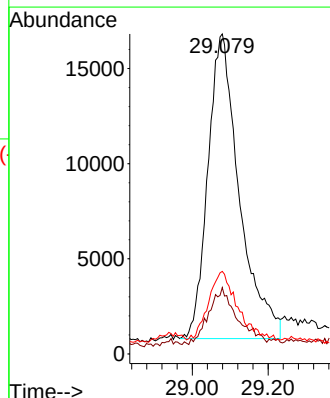
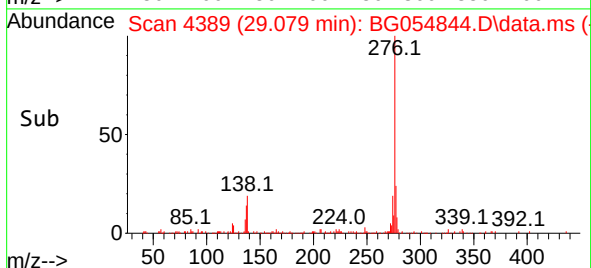
Reviewed By :Christian Giraldo 09/06/2022
 Supervised By :Jagrut Upadhyay 09/06/2022

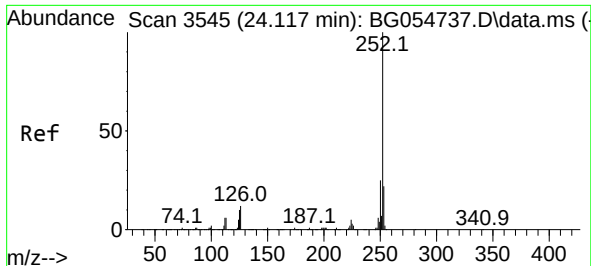


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.548 ng
 RT: 29.079 min Scan# 4389
 Delta R.T. 0.009 min
 Lab File: BG054844.D
 Acq: 2 Sep 2022 17:35



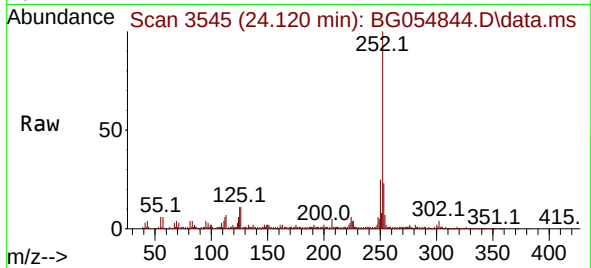
Tgt Ion:276 Resp: 92118
 Ion Ratio Lower Upper
 276 100
 138 17.4 12.0 18.0
 277 20.7 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 15.024 ng
RT: 24.120 min Scan# 3545
Delta R.T. 0.003 min
Lab File: BG054844.D
Acq: 2 Sep 2022 17:35

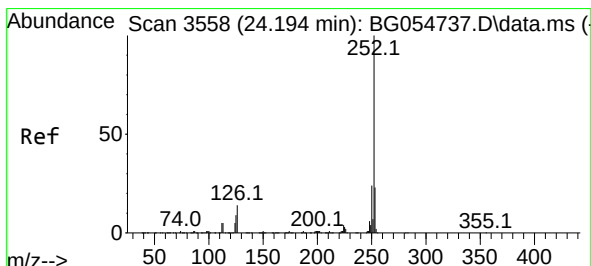
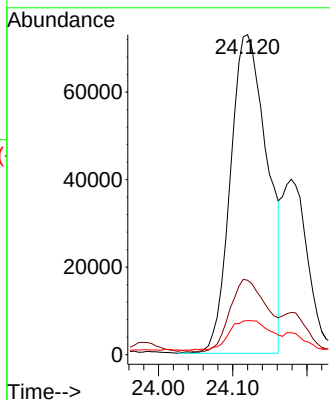
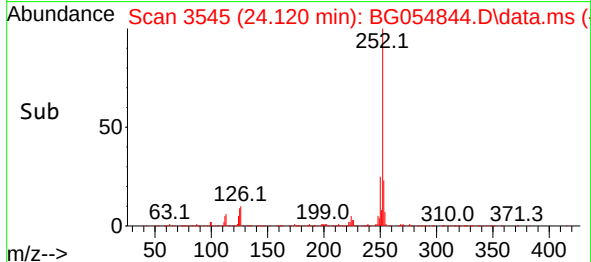
Instrument :
BNA_G
ClientSampleId :
H-1



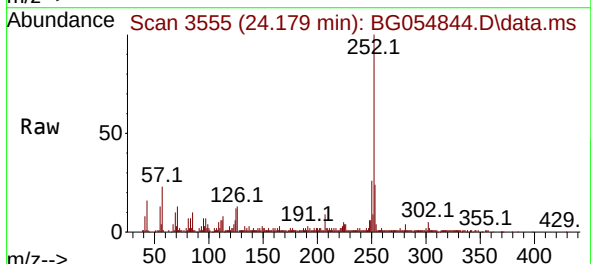
Tgt Ion:252 Resp: 251435
Ion Ratio Lower Upper
252 100
253 23.3 18.0 27.0
125 10.7 8.1 12.1

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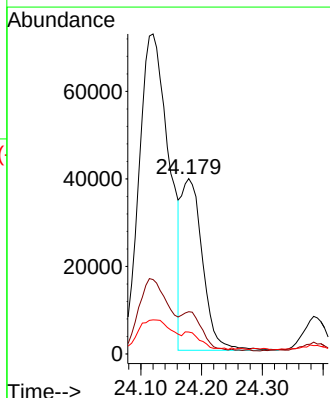
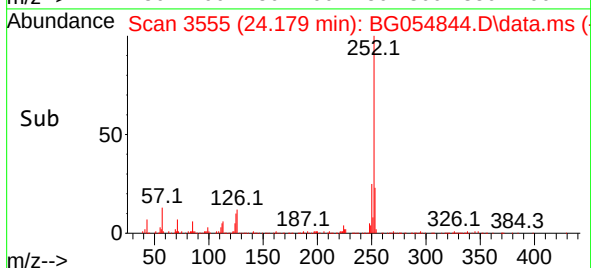
Reviewed By :Christian Giraldo 09/06/2022
Supervised By :Jagrut Upadhyay 09/06/2022

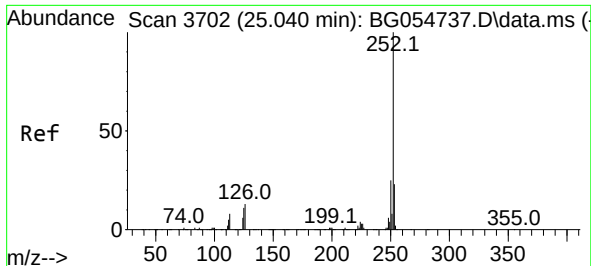


#89
Benzo(k)fluoranthene
Concen: 5.682 ng m
RT: 24.179 min Scan# 3555
Delta R.T. -0.015 min
Lab File: BG054844.D
Acq: 2 Sep 2022 17:35



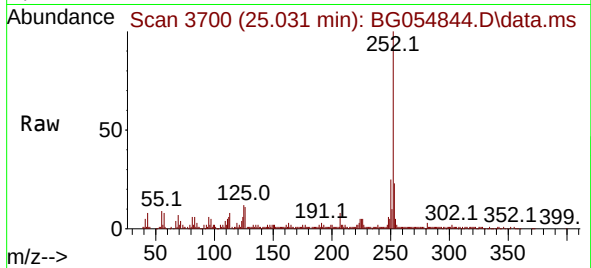
Tgt Ion:252 Resp: 95703
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.8
125 12.5 8.2 12.4#





#90
Benzo(a)pyrene
Concen: 10.241 ng
RT: 25.031 min Scan# 31
Delta R.T. -0.009 min
Lab File: BG054844.D
Acq: 2 Sep 2022 17:35

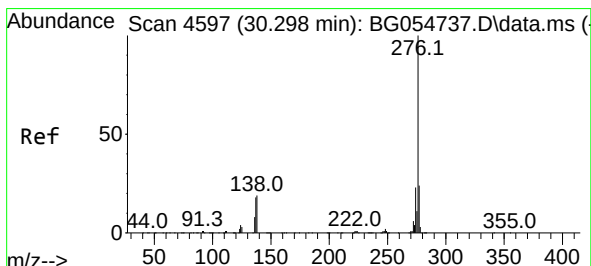
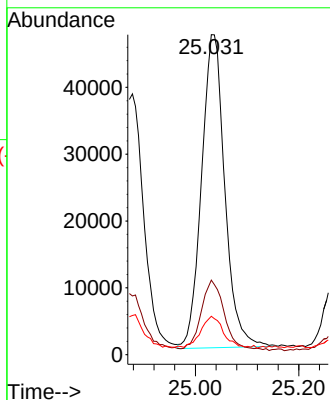
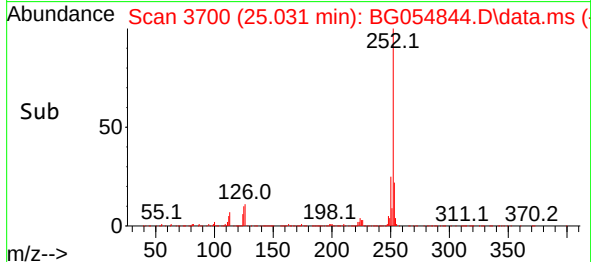
Instrument :
BNA_G
ClientSampleId :
H-1



Tgt Ion:252 Resp: 14643
Ion Ratio Lower Upper
252 100
253 23.3 18.3 27.5
125 12.0 8.8 13.2

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Reviewed By :Christian Giraldo 09/06/2022
Supervised By :Jagrut Upadhyay 09/06/2022



#92
Benzo(g,h,i)perylene
Concen: 5.124 ng
RT: 30.301 min Scan# 4597
Delta R.T. 0.003 min
Lab File: BG054844.D
Acq: 2 Sep 2022 17:35

Tgt Ion:276 Resp: 85420
Ion Ratio Lower Upper
276 100
277 24.6 19.4 29.0
138 18.4 16.6 25.0

