

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011723\
 Data File : BG056311.D
 Acq On : 17 Jan 2023 12:16
 Operator : CG/JU
 Sample : 01161-01DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 20230113-H4-STOCKPILEDL

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 01/18/2023
 Supervised By :Jagrut Upadhyay 01/18/2023

Quant Time: Jan 17 15:05:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 12 03:38:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.314	152	52335	20.000	ng	0.00
21) Naphthalene-d8	11.146	136	198828	20.000	ng	0.00
39) Acenaphthene-d10	14.929	164	158335	20.000	ng	0.00
64) Phenanthrene-d10	17.661	188	388704	20.000	ng	0.00
76) Chrysene-d12	21.962	240	393162	20.000	ng	# 0.00
86) Perylene-d12	25.405	264	435612	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.834	112	29406	10.032	ng	0.00
7) Phenol-d6	7.444	99	41303	9.176	ng	0.00
23) Nitrobenzene-d5	9.483	82	23089	5.940	ng	0.00
42) 2,4,6-Tribromophenol	16.404	330	17951	8.952	ng	0.00
45) 2-Fluorobiphenyl	13.554	172	70674	6.164	ng	0.00
79) Terphenyl-d14	20.235	244	134278	6.117	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	11.204	128	1388640	132.706	ng	99
37) 2-Methylnaphthalene	12.779	142	182614	20.668	ng	98
38) 1-Methylnaphthalene	12.996	142	100330	12.228	ng	95
71) Phenanthrene	17.708	178	91657	4.550	ng	96
75) Fluoranthene	19.700	202	103935	3.956	ng	98
78) Pyrene	20.059	202	100188	3.615	ng	97

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

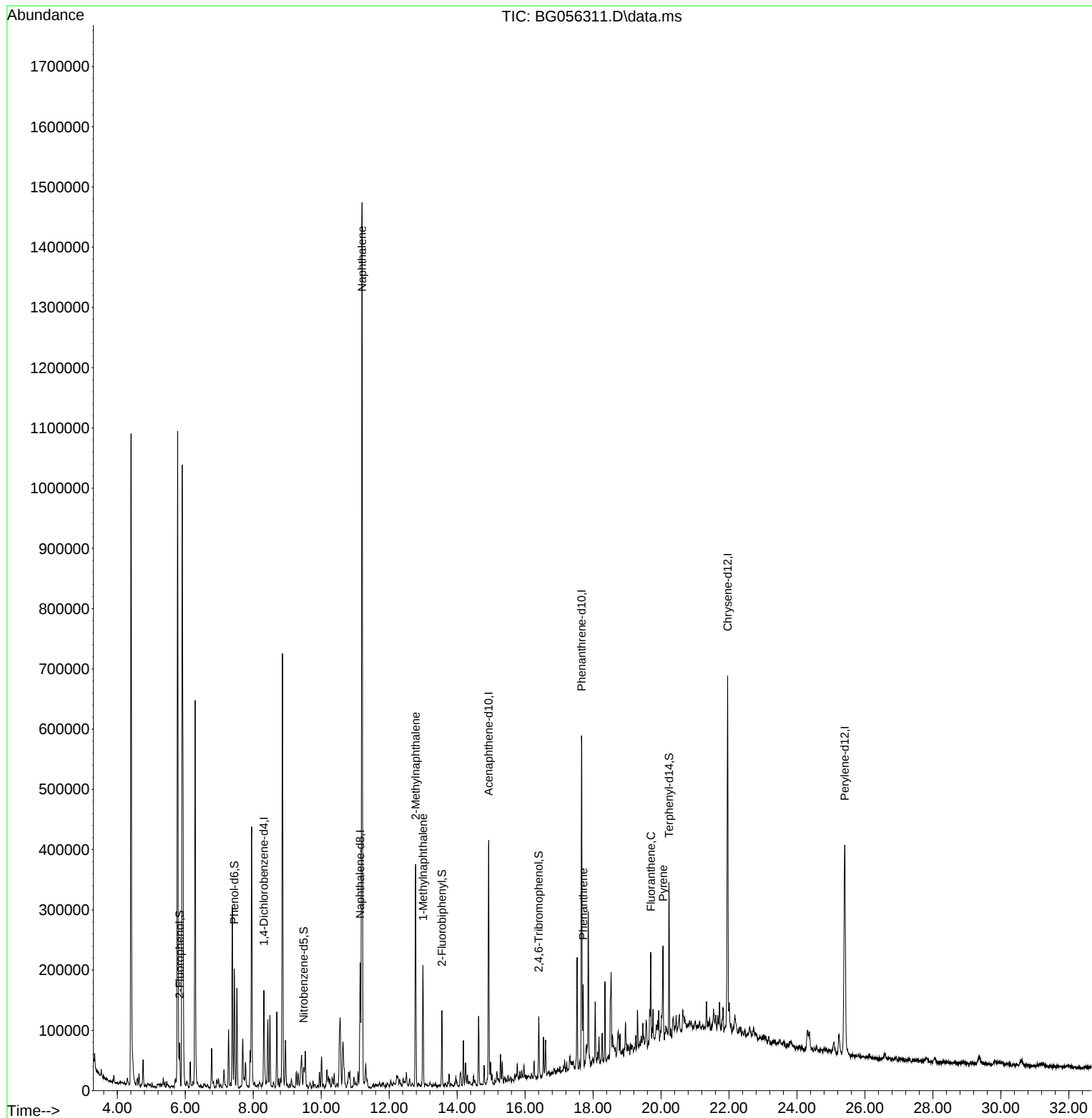
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011723\
Data File : BG056311.D
Acq On : 17 Jan 2023 12:16
Operator : CG/JU
Sample : 01161-01DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

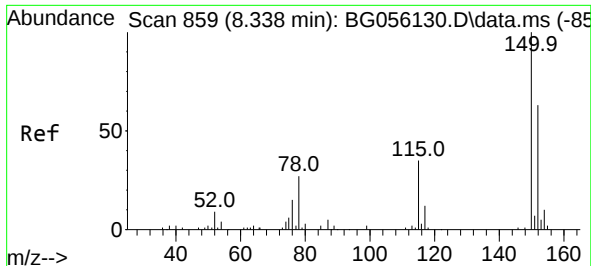
Instrument :
BNA_G
ClientSampleId :
20230113-H4-STOCKPILEDL

Quant Time: Jan 17 15:05:50 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 12 03:38:40 2023
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Manual Integrations
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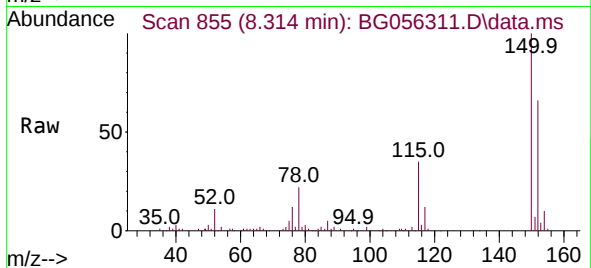
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.314 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG056311.D
Acq: 17 Jan 2023 12:16

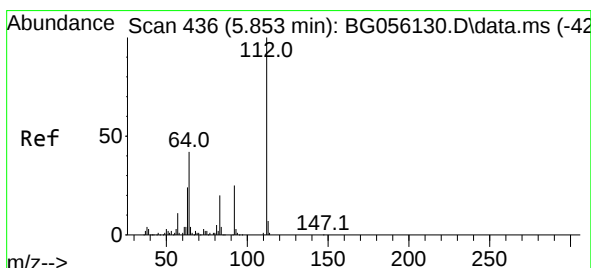
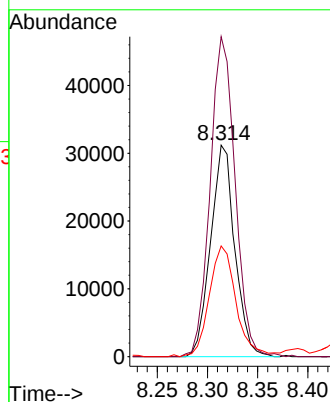
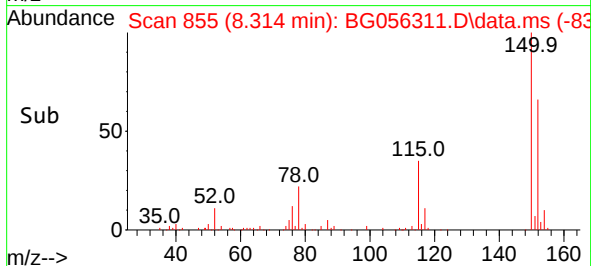
Instrument :
BNA_G
ClientSampleId :
20230113-H4-STOCKPILEDL



Tgt Ion:152 Resp: 52335
Ion Ratio Lower Upper
152 100
150 151.4 127.9 191.9
115 52.4 44.2 66.2

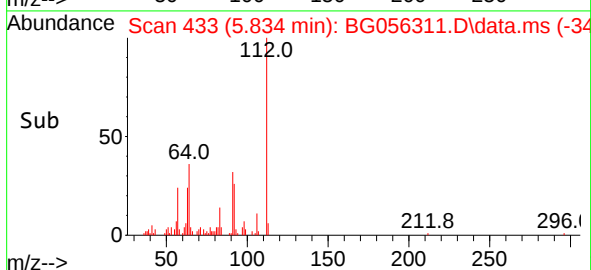
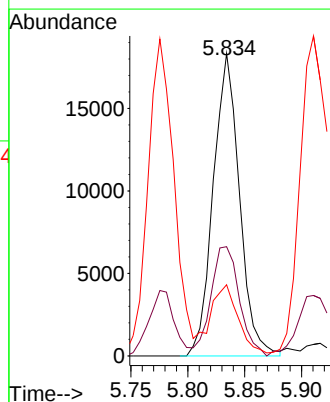
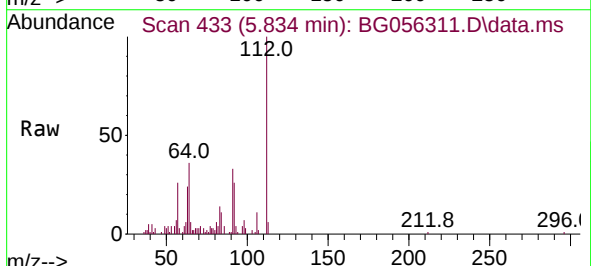
Manual Integrations
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Supervised By :Jagrut Upadhyay 01/18/2023



#5
2-Fluorophenol
Concen: 10.032 ng
RT: 5.834 min Scan# 433
Delta R.T. 0.009 min
Lab File: BG056311.D
Acq: 17 Jan 2023 12:16

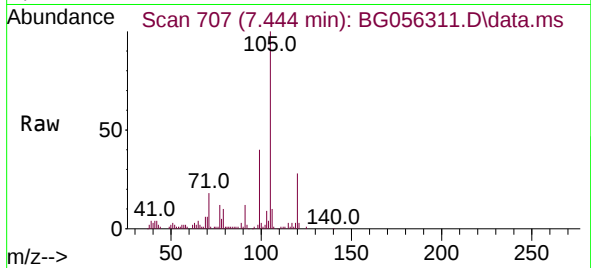
Tgt Ion:112 Resp: 29406
Ion Ratio Lower Upper
112 100
64 36.1 33.3 49.9
63 23.5 19.0 28.4





#7
Phenol-d6
Concen: 9.176 ng
RT: 7.444 min Scan# 70
Delta R.T. -0.003 min
Lab File: BG056311.D
Acq: 17 Jan 2023 12:16

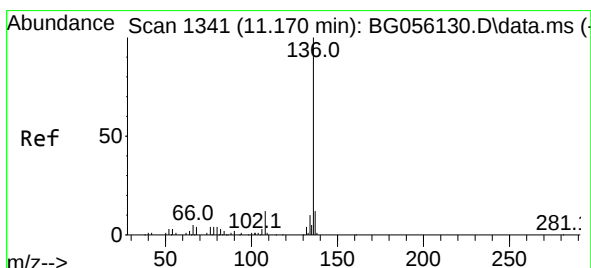
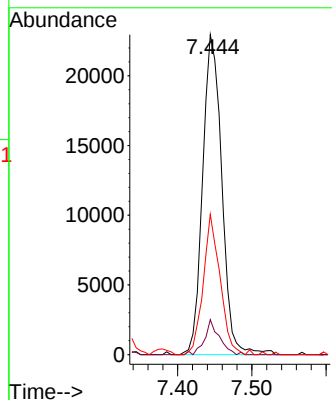
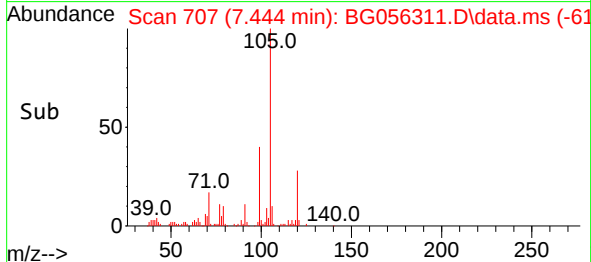
Instrument :
BNA_G
ClientSampleId :
20230113-H4-STOCKPILEDL



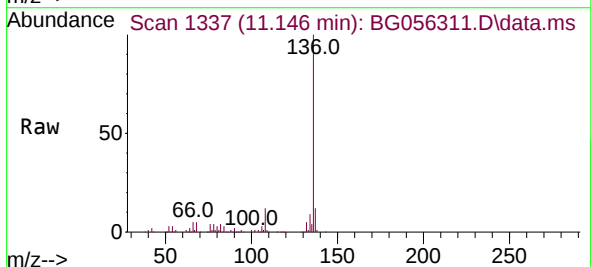
Tgt Ion: 99 Resp: 41303
Ion Ratio Lower Upper
99 100
42 10.9 5.9 8.9
71 43.8 25.4 38.2

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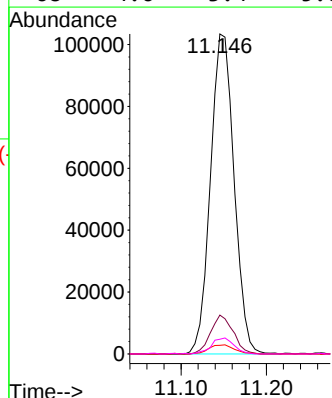
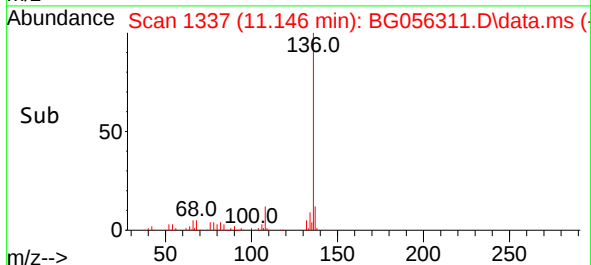
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.146 min Scan# 1337
Delta R.T. -0.003 min
Lab File: BG056311.D
Acq: 17 Jan 2023 12:16



Tgt Ion:136 Resp: 198828
Ion Ratio Lower Upper
136 100
137 12.1 9.4 14.0
54 2.7 2.2 3.2
68 4.6 3.4 5.0





#23

Nitrobenzene-d5

Concen: 5.940 ng

RT: 9.483 min Scan# 1054

Delta R.T. -0.009 min

Lab File: BG056311.D

Acq: 17 Jan 2023 12:16

Instrument :

BNA_G

ClientSampleId :

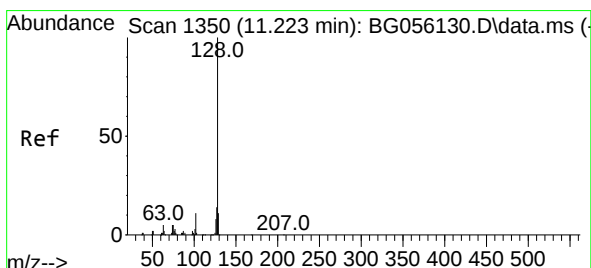
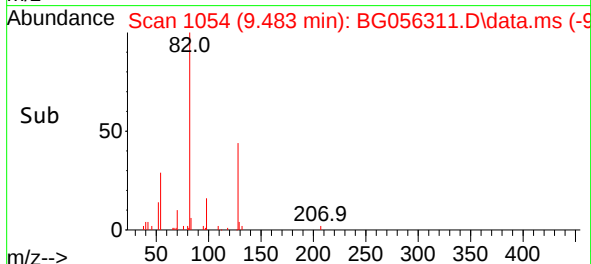
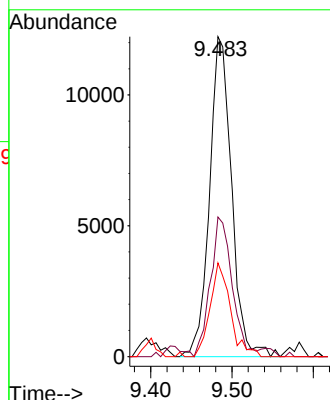
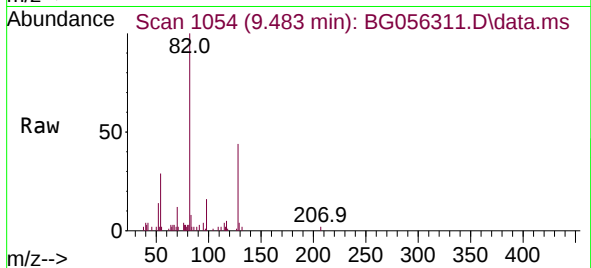
20230113-H4-STOCKPILEDL

Tgt Ion: 82	Resp: 23089
Ion Ratio	Lower Upper
82 100	
128 43.6	33.4 50.2
54 29.3	20.3 30.5

Manual Integrations

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Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#31

Naphthalene

Concen: 132.706 ng

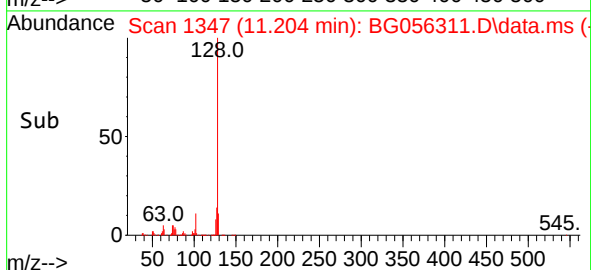
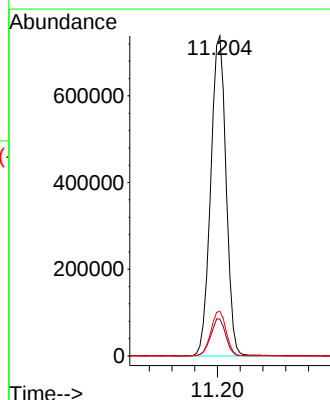
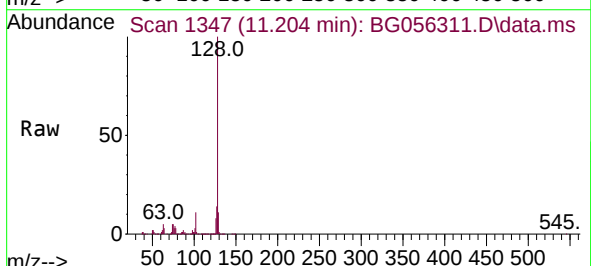
RT: 11.204 min Scan# 1347

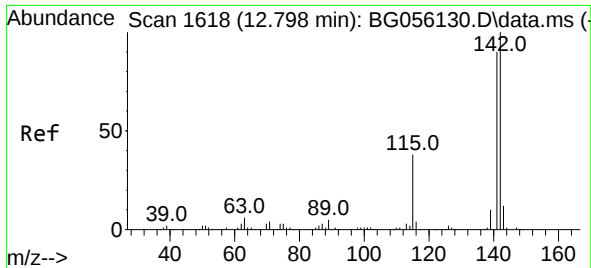
Delta R.T. 0.003 min

Lab File: BG056311.D

Acq: 17 Jan 2023 12:16

Tgt Ion:128	Resp: 1388640
Ion Ratio	Lower Upper
128 100	
129 11.5	8.9 13.3
127 13.9	11.2 16.8





#37

2-Methylnaphthalene

Concen: 20.668 ng

RT: 12.779 min Scan# 1615

Delta R.T. 0.003 min

Lab File: BG056311.D

Acq: 17 Jan 2023 12:16

Instrument :

BNA_G

ClientSampleId :

20230113-H4-STOCKPILEDL

Tgt Ion:142 Resp: 182614

Ion Ratio Lower Upper

142 100

141 87.5 72.2 108.4

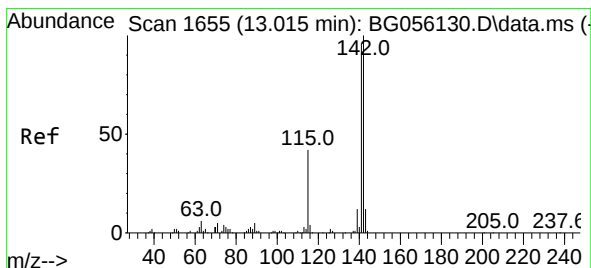
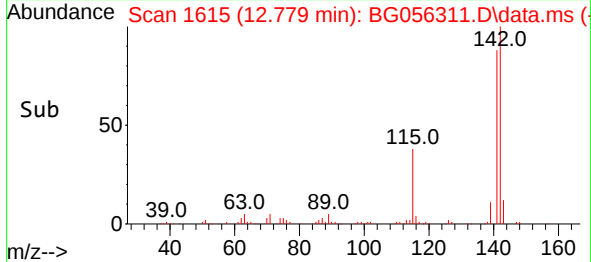
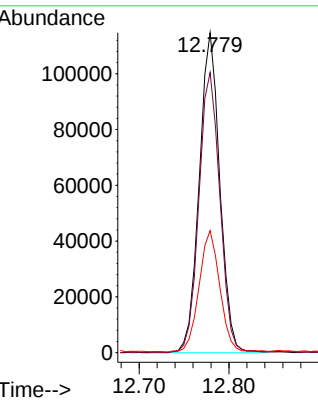
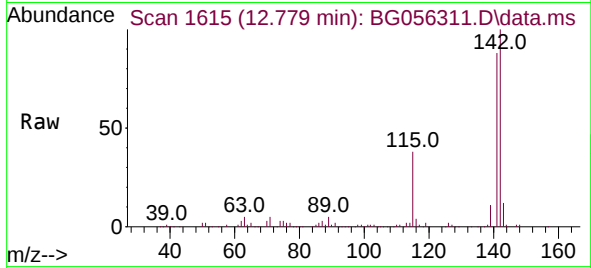
115 38.1 30.7 46.1

Manual Integrations

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Reviewed By :Christian Giraldo 01/18/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#38

1-Methylnaphthalene

Concen: 12.228 ng

RT: 12.996 min Scan# 1652

Delta R.T. 0.003 min

Lab File: BG056311.D

Acq: 17 Jan 2023 12:16

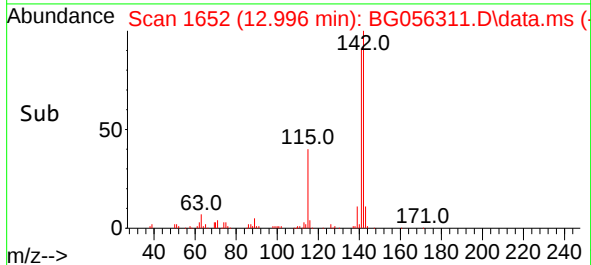
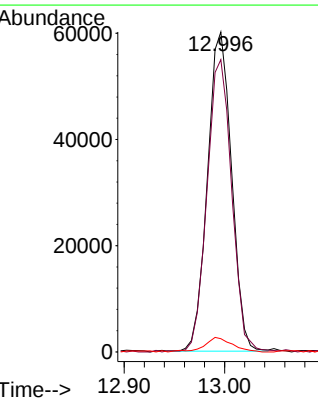
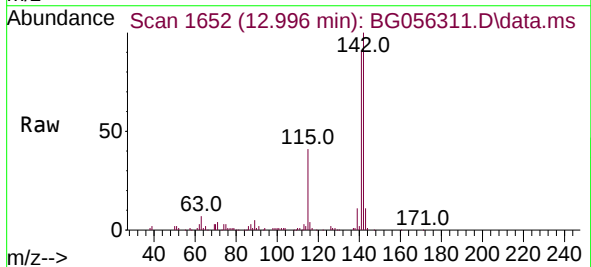
Tgt Ion:142 Resp: 100330

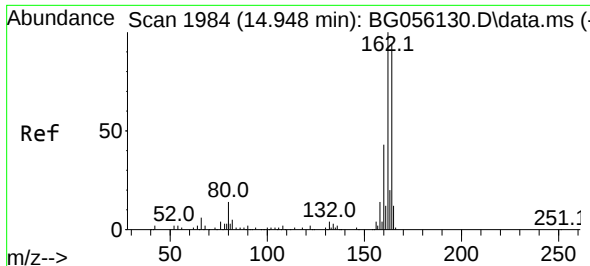
Ion Ratio Lower Upper

142 100

141 91.3 77.0 115.6

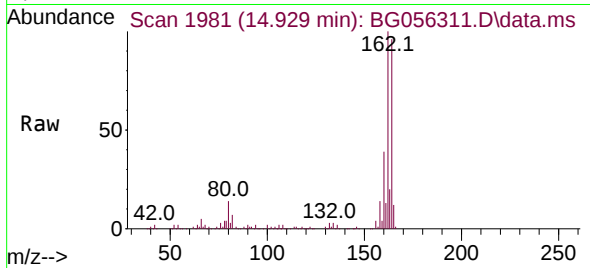
116 4.1 3.6 5.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.929 min Scan# 1981
Delta R.T. 0.003 min
Lab File: BG056311.D
Acq: 17 Jan 2023 12:16

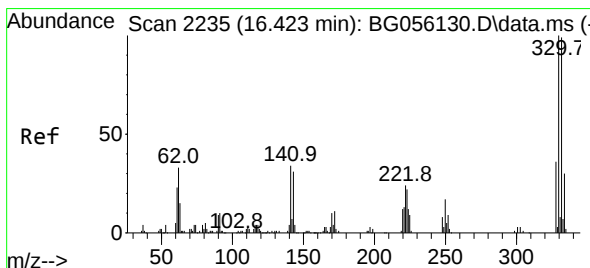
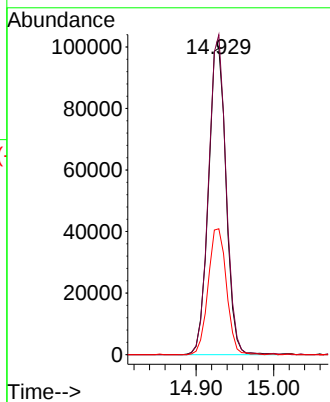
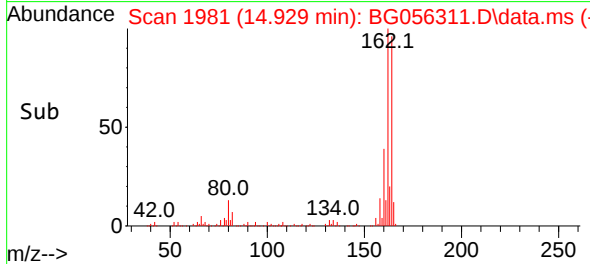
Instrument :
BNA_G
ClientSampleId :
20230113-H4-STOCKPILEDL



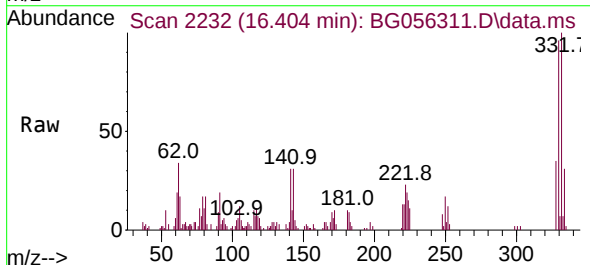
Tgt Ion:164 Resp: 158335
Ion Ratio Lower Upper
164 100
162 104.4 84.7 127.1
160 41.1 36.3 54.5

Manual Integrations
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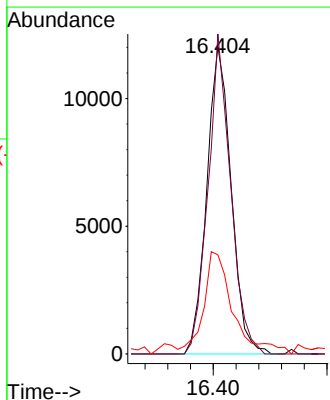
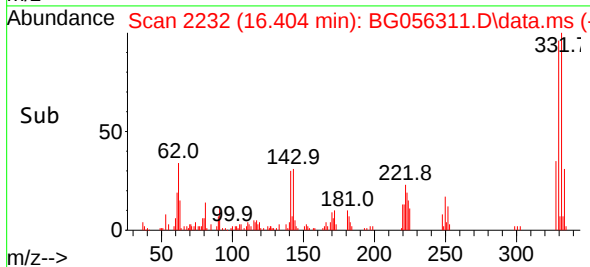
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023

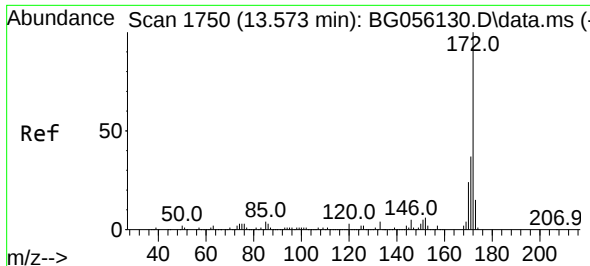


#42
2,4,6-Tribromophenol
Concen: 8.952 ng
RT: 16.404 min Scan# 2232
Delta R.T. -0.003 min
Lab File: BG056311.D
Acq: 17 Jan 2023 12:16



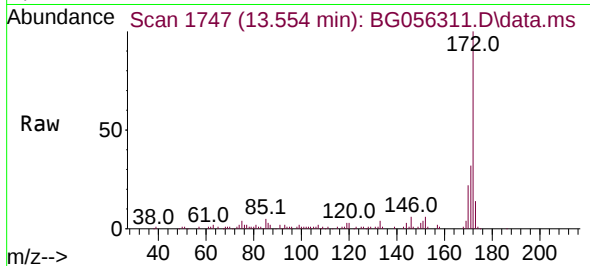
Tgt Ion:330 Resp: 17951
Ion Ratio Lower Upper
330 100
332 96.0 77.3 115.9
141 39.8 27.9 41.9





#45
2-Fluorobiphenyl
Concen: 6.164 ng
RT: 13.554 min Scan# 1750
Delta R.T. -0.003 min
Lab File: BG056311.D
Acq: 17 Jan 2023 12:16

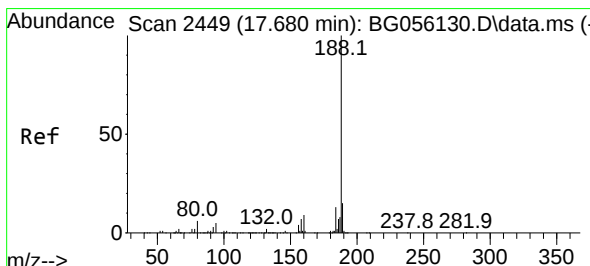
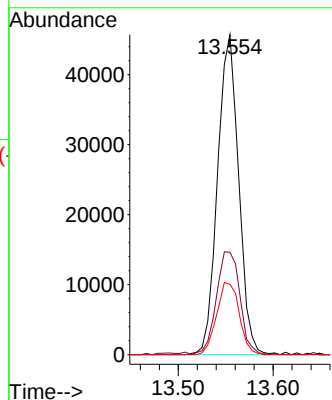
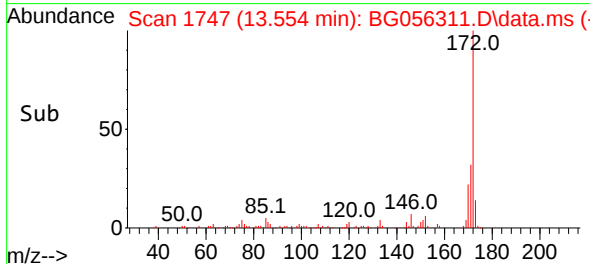
Instrument : BNA_G
ClientSampleId : 20230113-H4-STOCKPILEDL



Tgt Ion:172 Resp: 70674
Ion Ratio Lower Upper
172 100
171 32.0 29.6 44.4
170 22.0 19.4 29.2

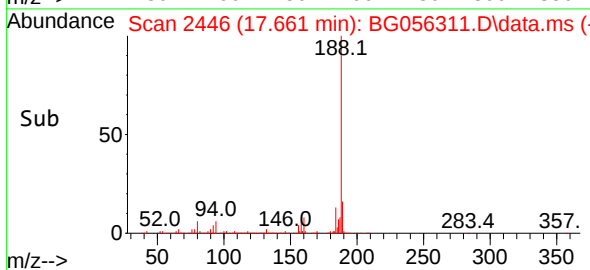
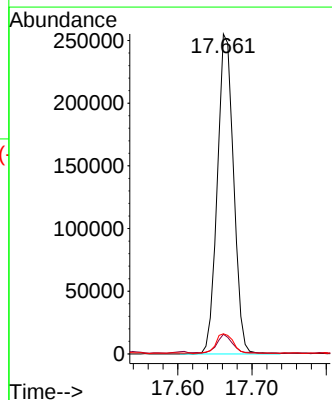
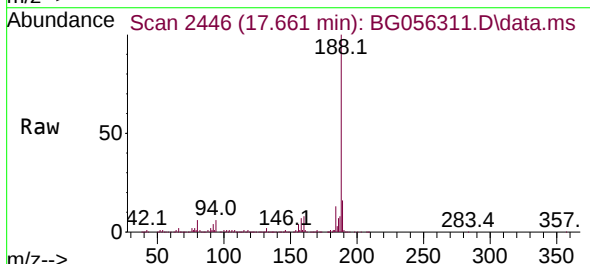
Manual Integrations
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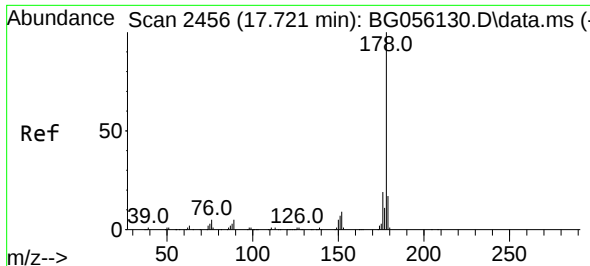
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.661 min Scan# 2446
Delta R.T. -0.003 min
Lab File: BG056311.D
Acq: 17 Jan 2023 12:16

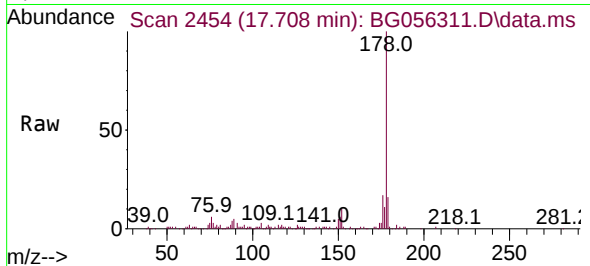
Tgt Ion:188 Resp: 388704
Ion Ratio Lower Upper
188 100
94 6.1 4.2 6.2
80 6.3 5.0 7.4





#71
Phenanthrene
Concen: 4.550 ng
RT: 17.708 min Scan# 2456
Delta R.T. -0.003 min
Lab File: BG056311.D
Acq: 17 Jan 2023 12:16

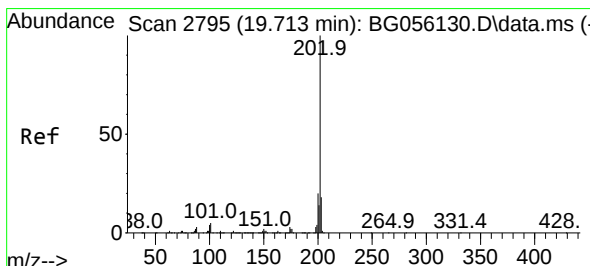
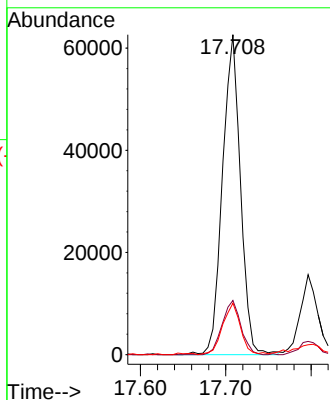
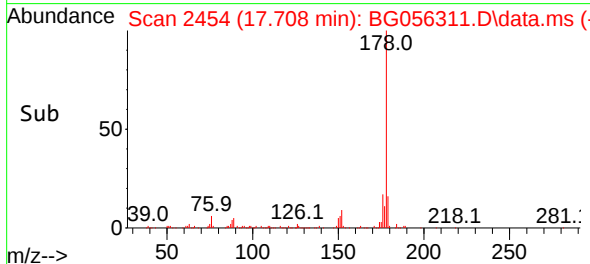
Instrument : BNA_G
ClientSampleId : 20230113-H4-STOCKPILEDL



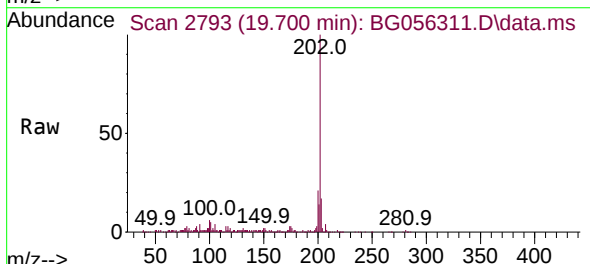
Tgt Ion:178 Resp: 91652
Ion Ratio Lower Upper
178 100
176 16.9 15.4 23.0
179 16.1 13.6 20.4

Manual Integrations
APPROVED

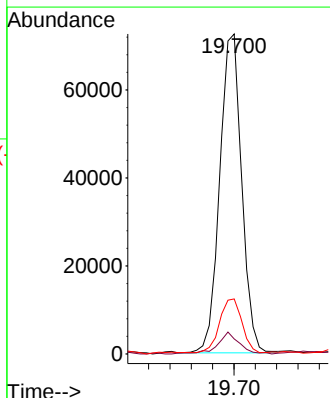
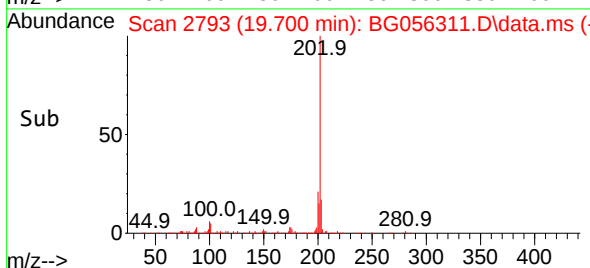
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023

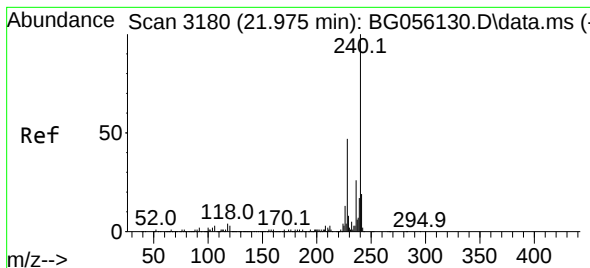


#75
Fluoranthene
Concen: 3.956 ng
RT: 19.700 min Scan# 2793
Delta R.T. 0.003 min
Lab File: BG056311.D
Acq: 17 Jan 2023 12:16



Tgt Ion:202 Resp: 103935
Ion Ratio Lower Upper
202 100
101 4.7 0.0 25.0
203 17.2 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.962 min Scan# 3180

Delta R.T. 0.003 min

Lab File: BG056311.D

Acq: 17 Jan 2023 12:16

Instrument :

BNA_G

ClientSampleId :

20230113-H4-STOCKPILEDL

Tgt Ion:240 Resp: 393162

Ion Ratio Lower Upper

240 100

120 4.1 2.6 4.0

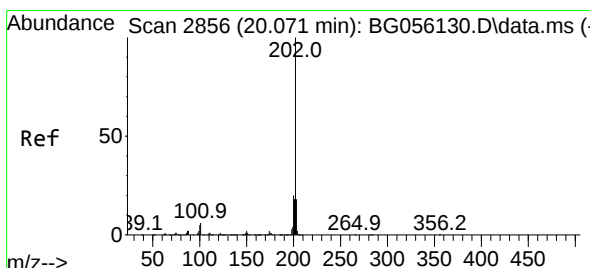
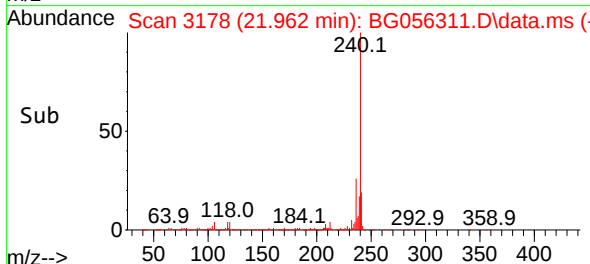
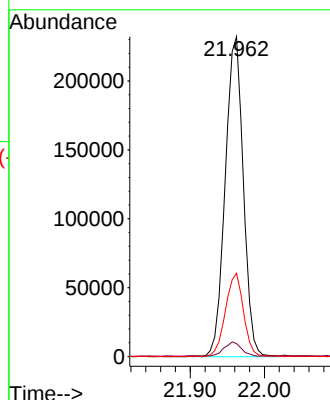
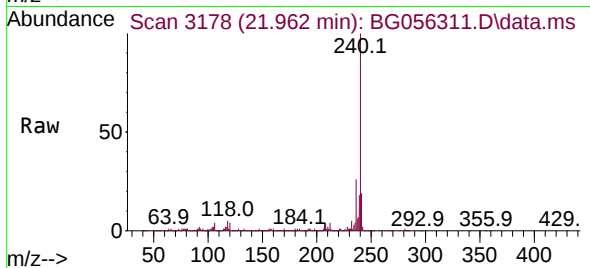
236 26.1 20.8 31.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/18/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#78

Pyrene

Concen: 3.615 ng

RT: 20.059 min Scan# 2854

Delta R.T. 0.003 min

Lab File: BG056311.D

Acq: 17 Jan 2023 12:16

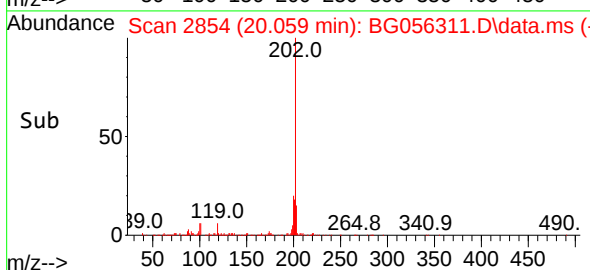
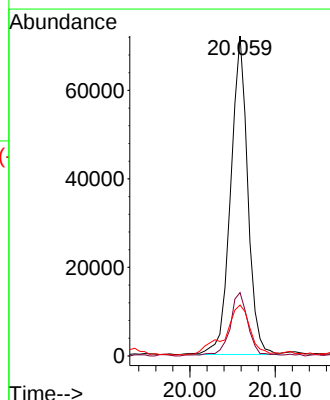
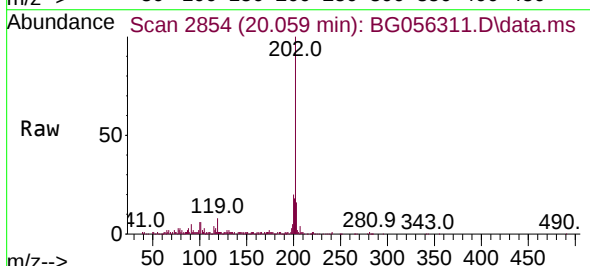
Tgt Ion:202 Resp: 100188

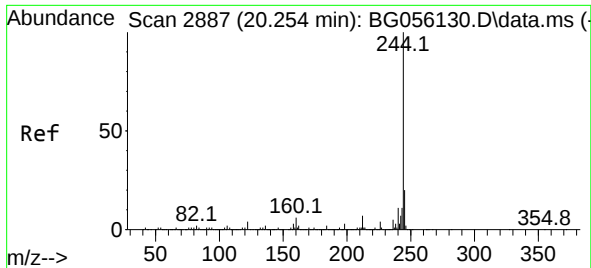
Ion Ratio Lower Upper

202 100

200 19.8 16.4 24.6

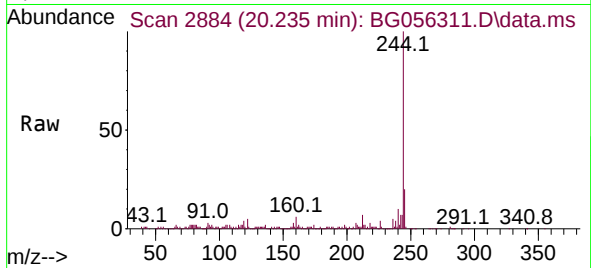
203 15.9 14.3 21.5





#79
 Terphenyl-d14
 Concen: 6.117 ng
 RT: 20.235 min Scan# 2884
 Delta R.T. -0.003 min
 Lab File: BG056311.D
 Acq: 17 Jan 2023 12:16

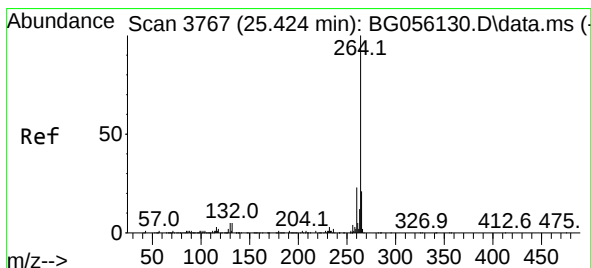
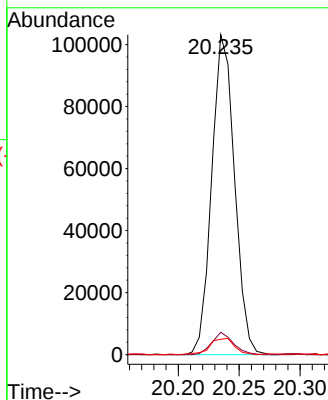
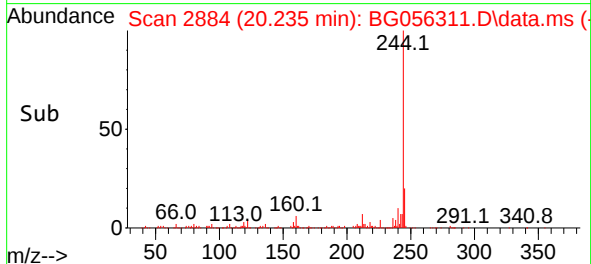
Instrument :
 BNA_G
 ClientSampleId :
 20230113-H4-STOCKPILEDL



Tgt Ion:244 Resp: 134278
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.7 8.5
 122 4.8 3.5 5.3

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 01/18/2023
 Supervised By :Jagrut Upadhyay 01/18/2023



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.405 min Scan# 3764
 Delta R.T. 0.003 min
 Lab File: BG056311.D
 Acq: 17 Jan 2023 12:16

Tgt Ion:264 Resp: 435612
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.6 28.0
 265 22.3 16.7 25.1

