

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122022\
 Data File : BG056039.D
 Acq On : 20 Dec 2022 21:12
 Operator : CG/JU
 Sample : N6051-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-591

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 12/21/2022
 Supervised By :Jagrut Upadhyay 12/21/2022

Quant Time: Dec 21 02:41:22 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 01:11:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.370	152	12922	20.000	ng	0.00
21) Naphthalene-d8	11.202	136	47503	20.000	ng	# 0.00
39) Acenaphthene-d10	14.974	164	38053	20.000	ng	0.00
64) Phenanthrene-d10	17.712	188	97018	20.000	ng	0.00
76) Chrysene-d12	22.019	240	96267	20.000	ng	# 0.00
86) Perylene-d12	25.509	264	109597	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.885	112	11743	21.312	ng	0.00
7) Phenol-d6	7.494	99	14282	20.153	ng	0.00
23) Nitrobenzene-d5	9.539	82	10314	15.173	ng	0.00
42) 2,4,6-Tribromophenol	16.449	330	18277	19.919	ng	0.00
45) 2-Fluorobiphenyl	13.599	172	36763	13.549	ng	0.00
79) Terphenyl-d14	20.279	244	74280	13.637	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.753	178	13455	2.646	ng	94
75) Fluoranthene	19.739	202	37943	5.329	ng	99
78) Pyrene	20.097	202	30824	5.292	ng	98
81) Benzo(a)anthracene	21.995	228	17683	2.610	ng	96
83) Chrysene	22.060	228	15909m	2.506	ng	
88) Benzo(b)fluoranthene	24.392	252	18771m	2.646	ng	
90) Benzo(a)pyrene	25.344	252	14153	2.361	ng	# 99

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

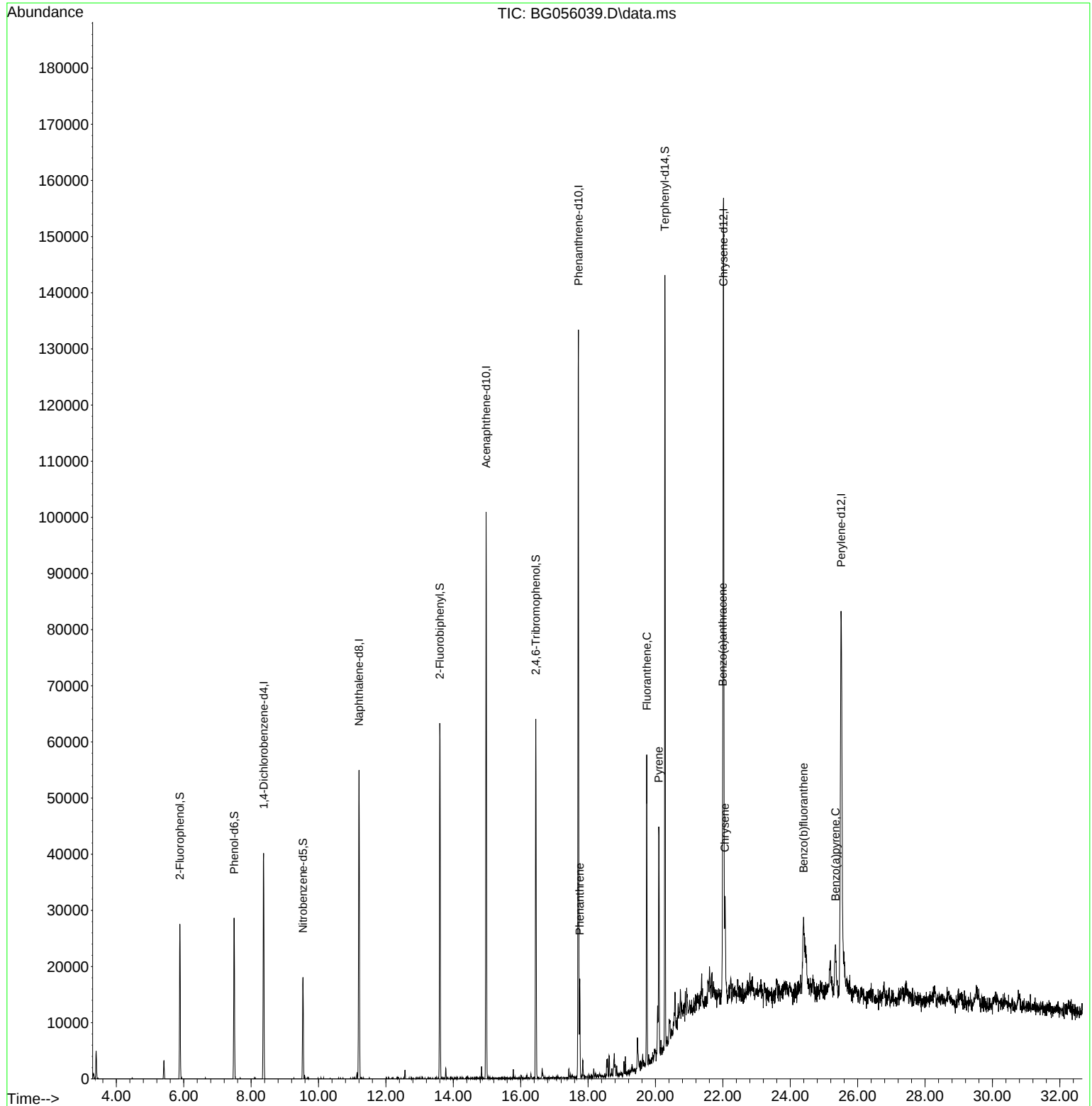
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122022\
Data File : BG056039.D
Acq On : 20 Dec 2022 21:12
Operator : CG/JU
Sample : N6051-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

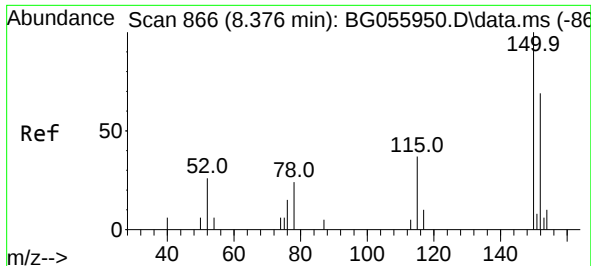
Instrument :
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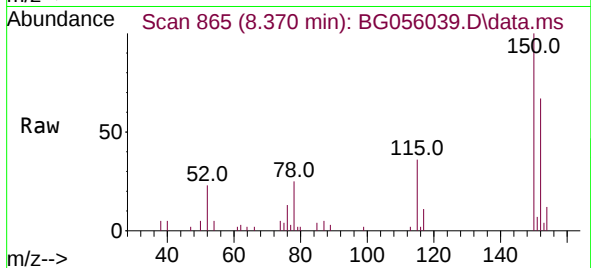
Quant Time: Dec 21 02:41:22 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 21 01:11:10 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.370 min Scan# 866
Delta R.T. 0.005 min
Lab File: BG056039.D
Acq: 20 Dec 2022 21:12

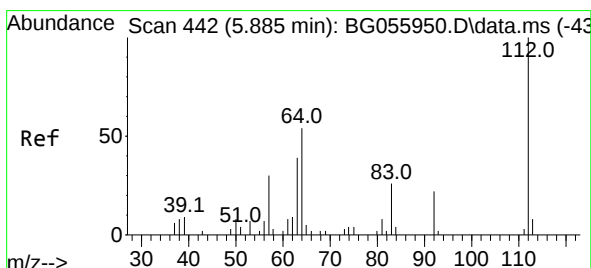
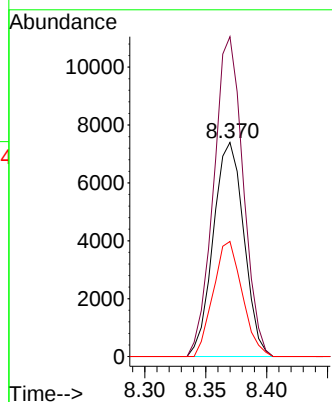
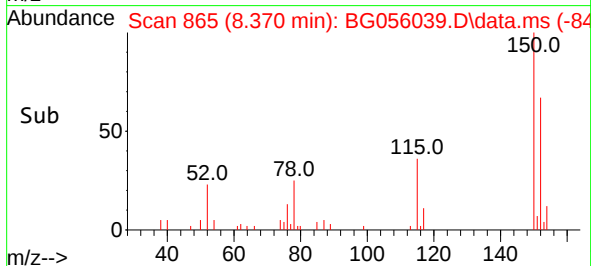
Instrument :
BNA_G
Client SampleId :
SP-591



Tgt Ion:152 Resp: 1292
Ion Ratio Lower Upper
152 100
150 149.4 115.7 173.5
115 53.8 43.0 64.4

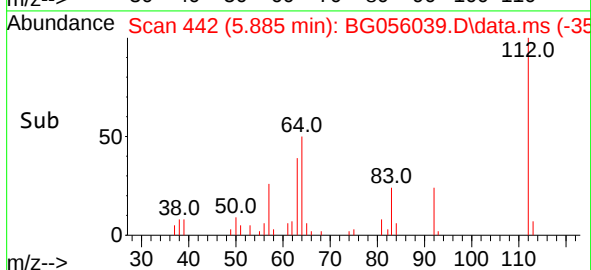
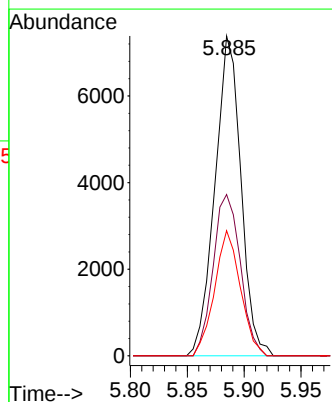
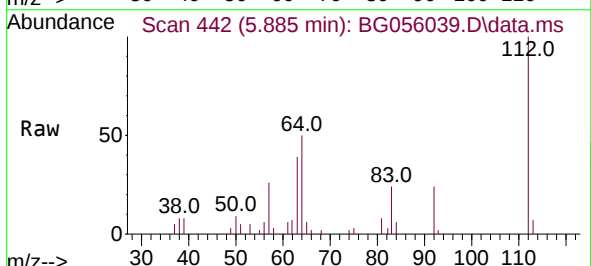
Manual Integrations
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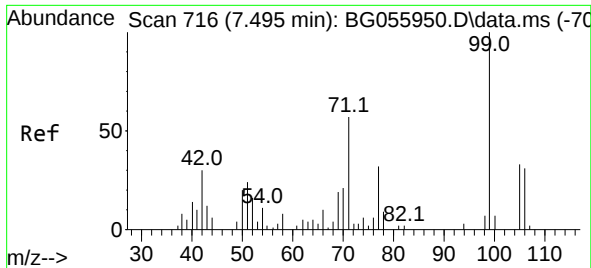
Reviewed By :Christian Giraldo 12/21/2022
Supervised By :Jagrut Upadhyay 12/21/2022



#5
2-Fluorophenol
Concen: 21.312 ng
RT: 5.885 min Scan# 442
Delta R.T. 0.005 min
Lab File: BG056039.D
Acq: 20 Dec 2022 21:12

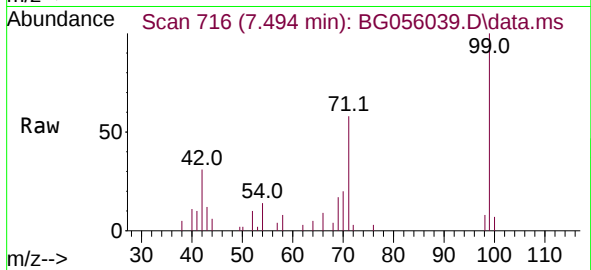
Tgt Ion:112 Resp: 11743
Ion Ratio Lower Upper
112 100
64 50.4 43.0 64.4
63 39.1 31.4 47.2





#7
Phenol-d6
Concen: 20.153 ng
RT: 7.494 min Scan# 716
Delta R.T. -0.001 min
Lab File: BG056039.D
Acq: 20 Dec 2022 21:12

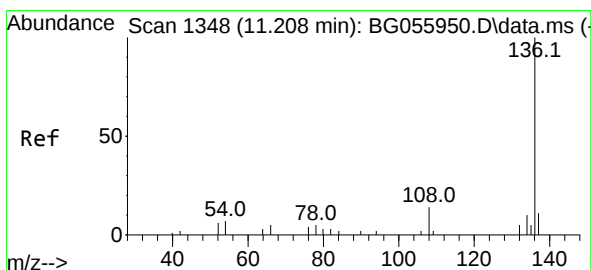
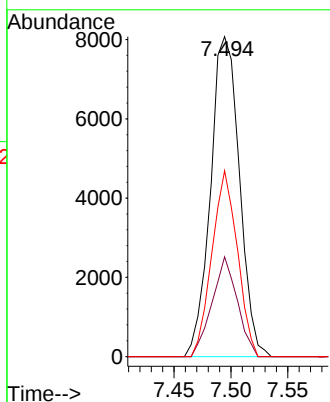
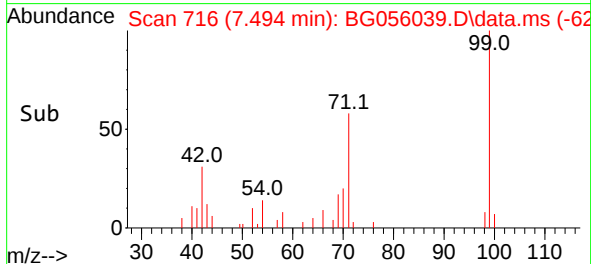
Instrument :
BNA_G
ClientSampleId :
SP-591



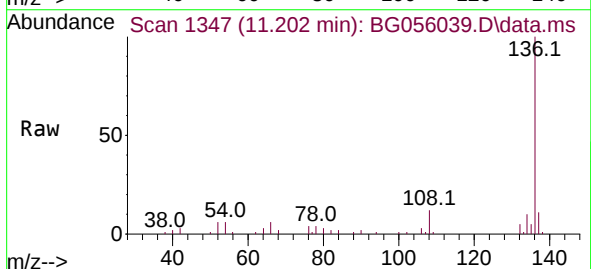
Tgt Ion: 99 Resp: 14282
Ion Ratio Lower Upper
99 100
42 31.2 24.3 36.5
71 58.1 45.6 68.4

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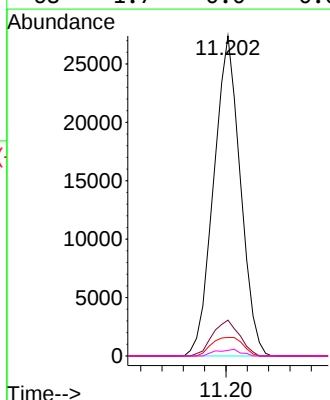
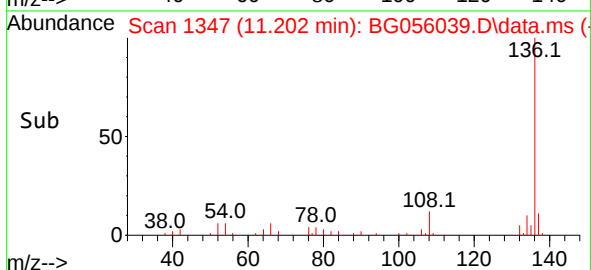
Reviewed By :Christian Giraldo 12/21/2022
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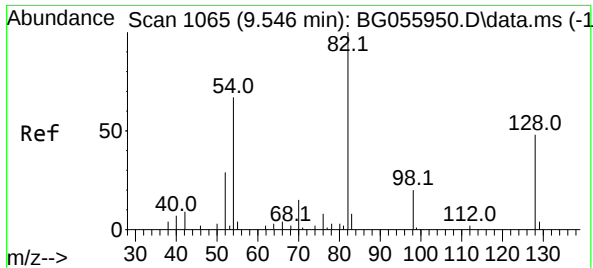


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.202 min Scan# 1347
Delta R.T. 0.005 min
Lab File: BG056039.D
Acq: 20 Dec 2022 21:12



Tgt Ion:136 Resp: 47503
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 5.8 5.6 8.4
68 1.7 0.0 0.0#





#23

Nitrobenzene-d5

Concen: 15.173 ng

RT: 9.539 min Scan# 1064

Delta R.T. -0.001 min

Lab File: BG056039.D

Acq: 20 Dec 2022 21:12

Instrument :

BNA_G

ClientSampleId :

SP-591

Tgt Ion: 82 Resp: 10314

Ion Ratio Lower Upper

82 100

128 48.2 38.4 57.6

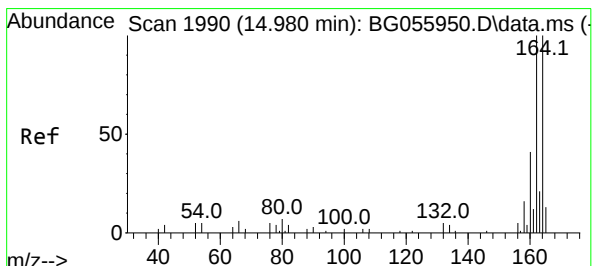
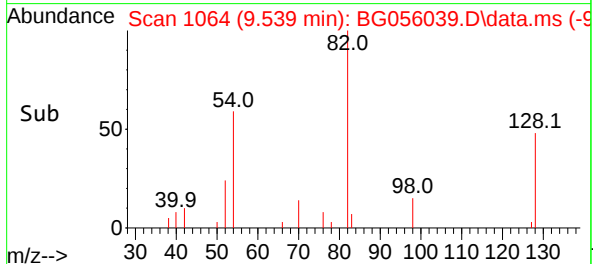
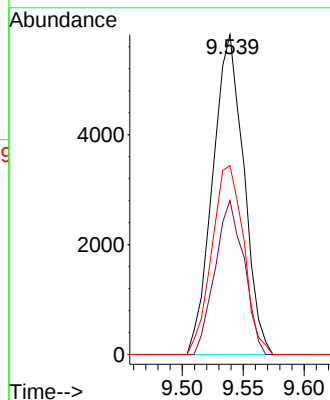
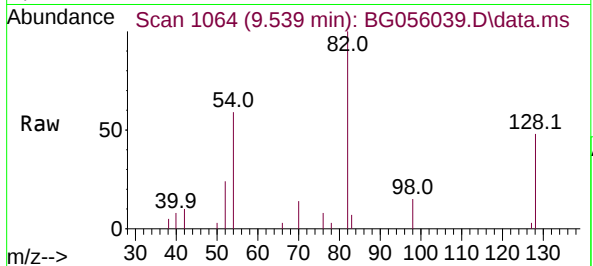
54 59.1 53.3 79.9

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.974 min Scan# 1989

Delta R.T. -0.001 min

Lab File: BG056039.D

Acq: 20 Dec 2022 21:12

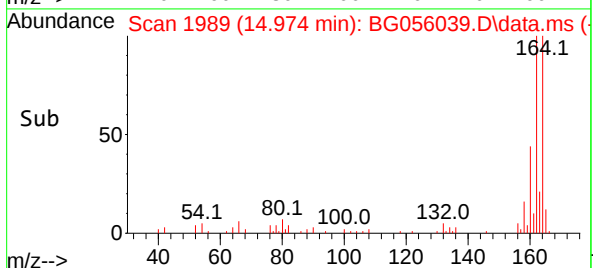
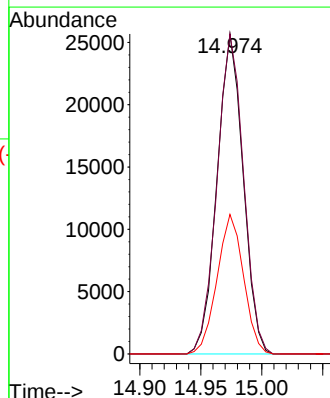
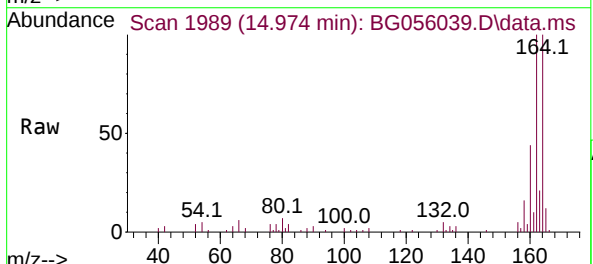
Tgt Ion:164 Resp: 38053

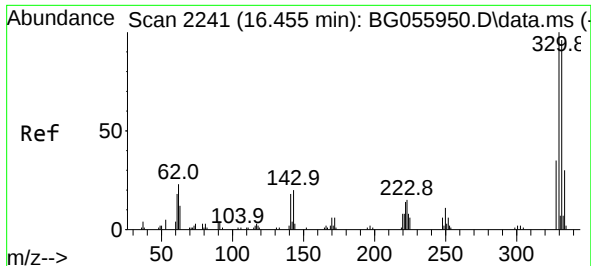
Ion Ratio Lower Upper

164 100

162 99.9 79.8 119.8

160 43.6 33.0 49.4





#42
2,4,6-Tribromophenol
Concen: 19.919 ng
RT: 16.449 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG056039.D
Acq: 20 Dec 2022 21:12

Instrument :

BNA_G

ClientSampleId :

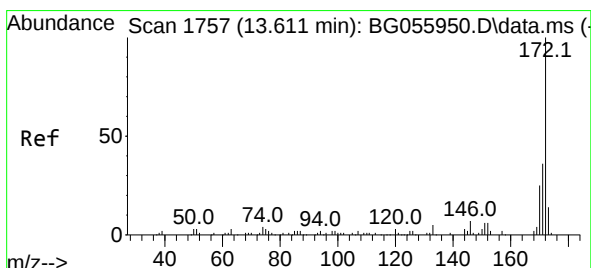
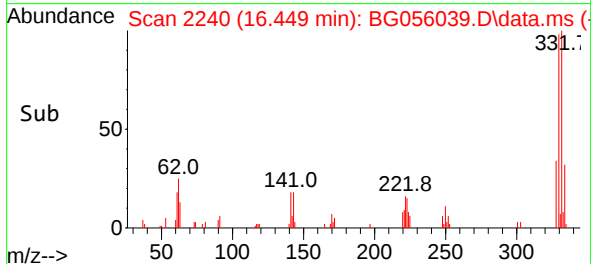
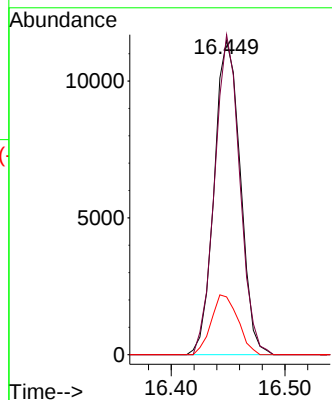
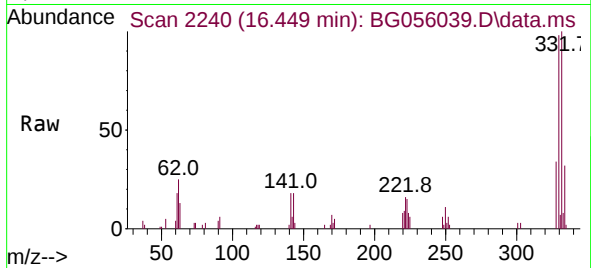
SP-591

Tgt Ion:330 Resp: 1827
Ion Ratio Lower Upper
330 100
332 98.1 76.6 114.8
141 19.5 15.0 22.4

Manual Integrations

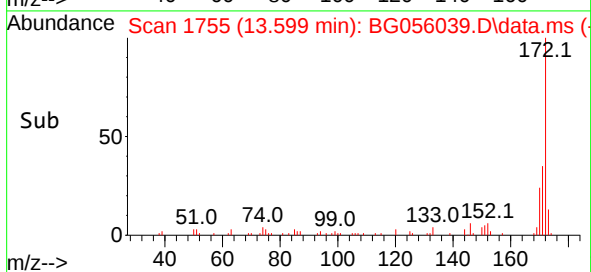
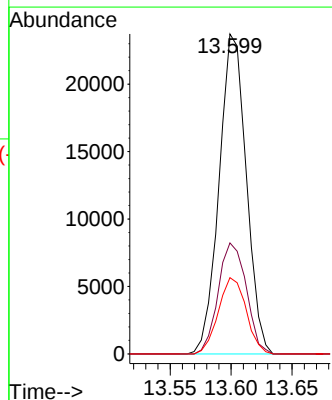
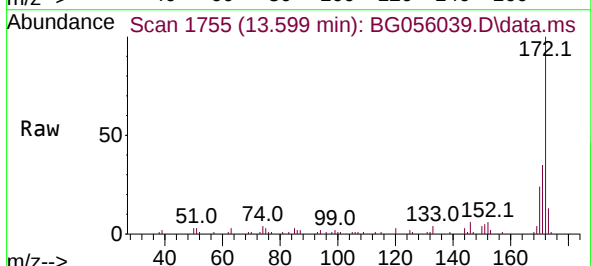
APPROVED

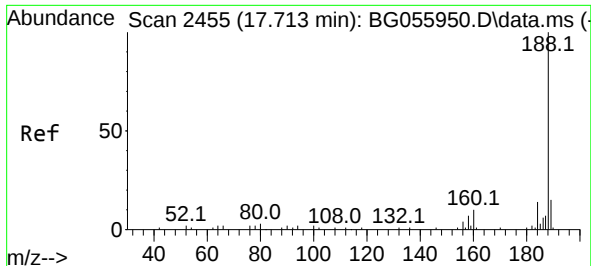
Reviewed By :Christian Giraldo 12/21/2022
Supervised By :Jagrut Upadhyay 12/21/2022



#45
2-Fluorobiphenyl
Concen: 13.549 ng
RT: 13.599 min Scan# 1755
Delta R.T. -0.001 min
Lab File: BG056039.D
Acq: 20 Dec 2022 21:12

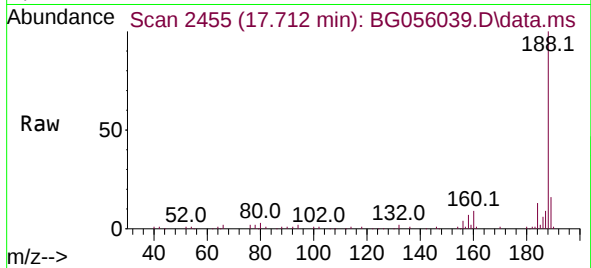
Tgt Ion:172 Resp: 36763
Ion Ratio Lower Upper
172 100
171 34.7 28.6 42.8
170 23.8 19.9 29.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.712 min Scan# 2455
Delta R.T. 0.005 min
Lab File: BG056039.D
Acq: 20 Dec 2022 21:12

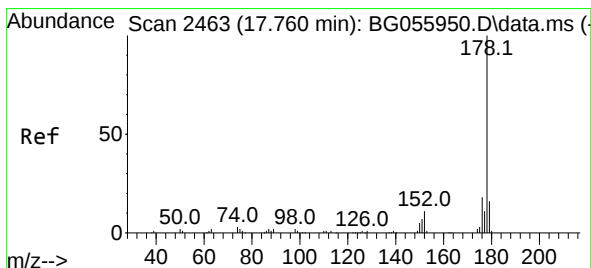
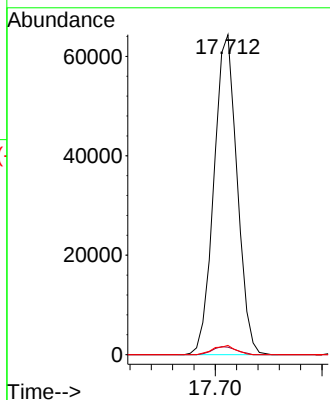
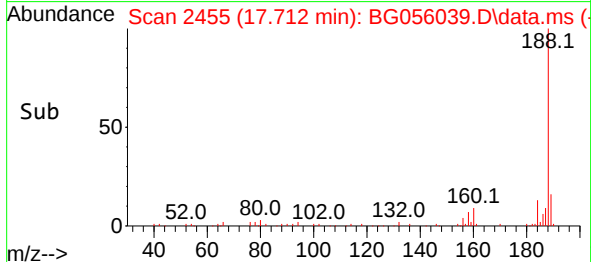
Instrument :
BNA_G
ClientSampleId :
SP-591



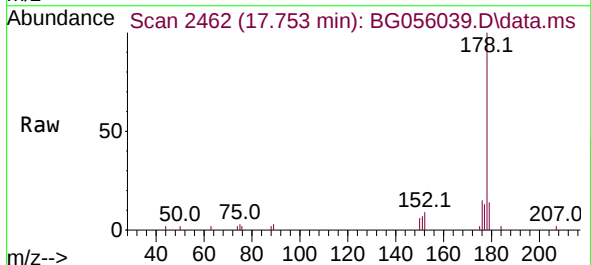
Tgt Ion:188 Resp: 97018
Ion Ratio Lower Upper
188 100
94 2.3 1.8 2.8
80 2.9 2.4 3.6

Manual Integrations
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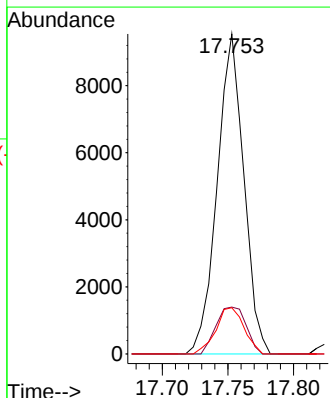
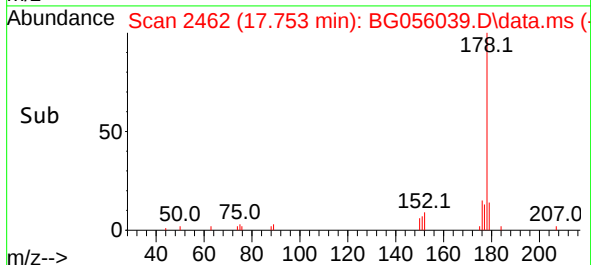
Reviewed By :Christian Giraldo 12/21/2022
Supervised By :Jagrut Upadhyay 12/21/2022

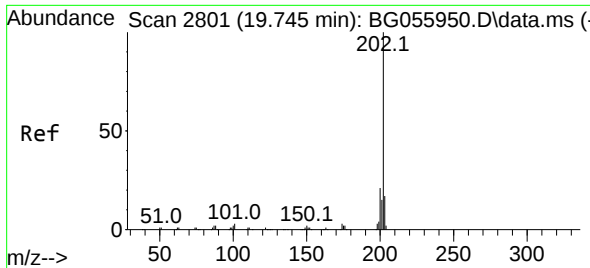


#71
Phenanthrene
Concen: 2.646 ng
RT: 17.753 min Scan# 2462
Delta R.T. -0.001 min
Lab File: BG056039.D
Acq: 20 Dec 2022 21:12



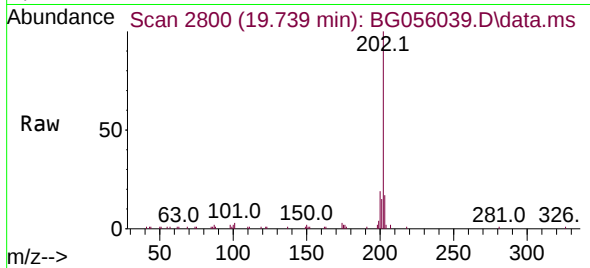
Tgt Ion:178 Resp: 13455
Ion Ratio Lower Upper
178 100
176 14.6 14.4 21.6
179 14.4 12.7 19.1





#75
Fluoranthene
Concen: 5.329 ng
RT: 19.739 min Scan# 2801
Delta R.T. -0.001 min
Lab File: BG056039.D
Acq: 20 Dec 2022 21:12

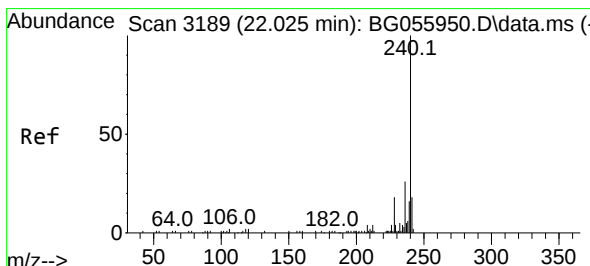
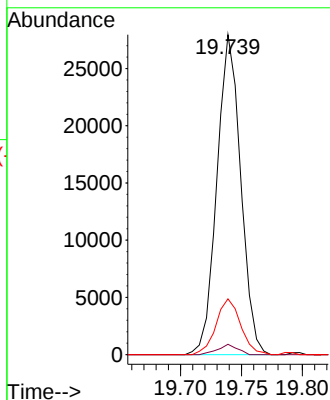
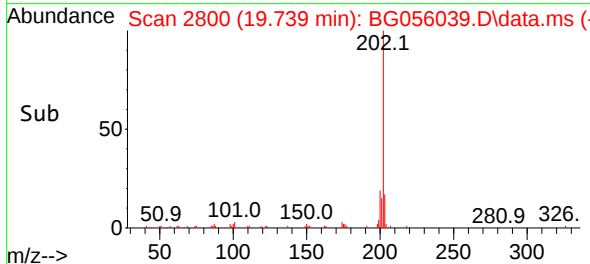
Instrument :
BNA_G
ClientSampleId :
SP-591



Tgt Ion:202 Resp: 37943
Ion Ratio Lower Upper
202 100
101 3.2 0.0 22.6
203 17.4 0.0 37.1

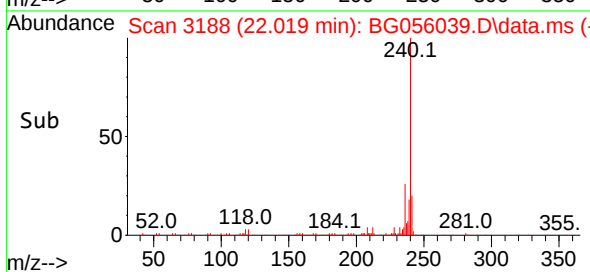
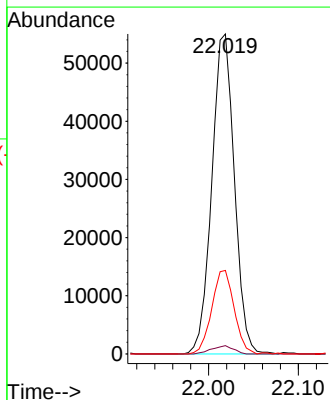
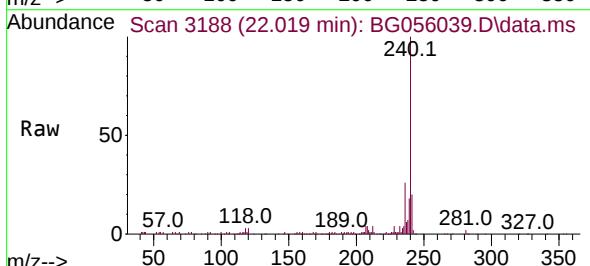
Manual Integrations
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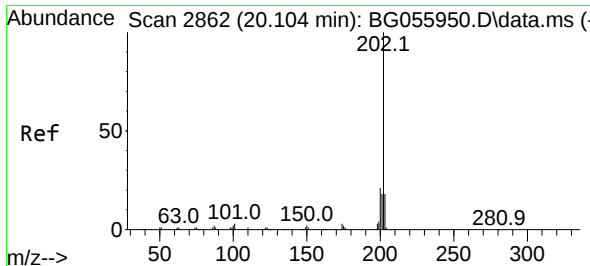
Reviewed By :Christian Giraldo 12/21/2022
Supervised By :Jagrut Upadhyay 12/21/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.019 min Scan# 3188
Delta R.T. 0.005 min
Lab File: BG056039.D
Acq: 20 Dec 2022 21:12

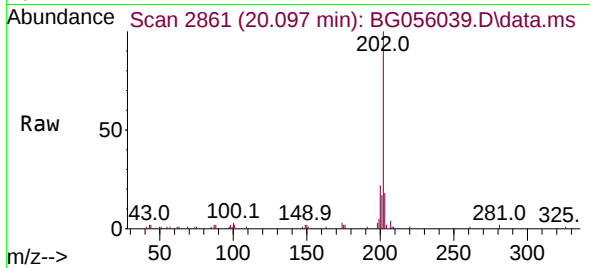
Tgt Ion:240 Resp: 96267
Ion Ratio Lower Upper
240 100
120 2.6 1.7 2.5#
236 26.1 21.1 31.7





#78
 Pyrene
 Concen: 5.292 ng
 RT: 20.097 min Scan# 2861
 Delta R.T. -0.001 min
 Lab File: BG056039.D
 Acq: 20 Dec 2022 21:12

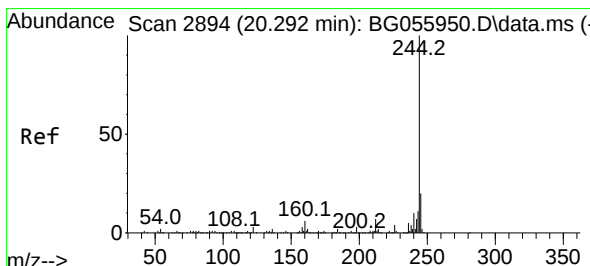
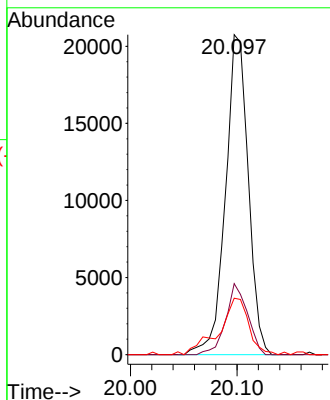
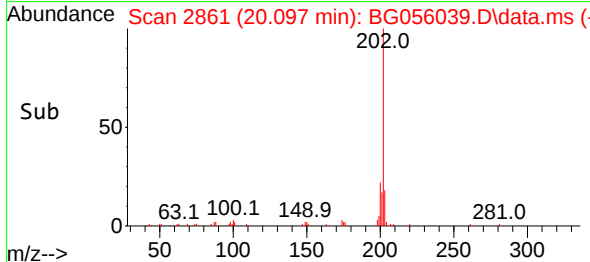
Instrument :
 BNA_G
 ClientSampleId :
 SP-591



Tgt Ion:202 Resp: 30824
 Ion Ratio Lower Upper
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 200 22.2 16.7 25.1
 203 17.6 14.6 21.8

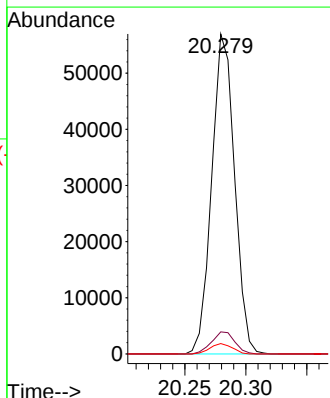
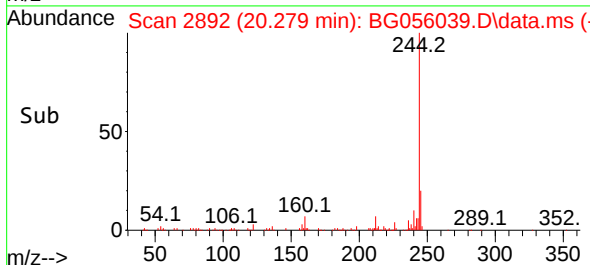
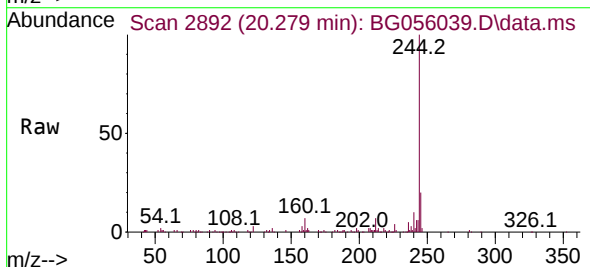
Manual Integrations
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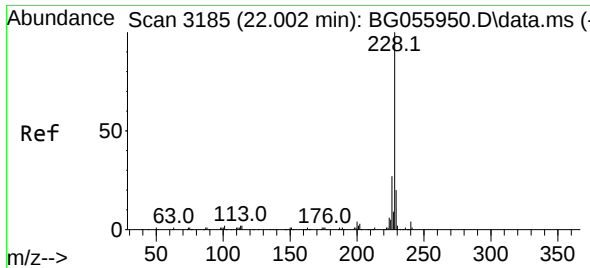
Reviewed By :Christian Giraldo 12/21/2022
 Supervised By :Jagrut Upadhyay 12/21/2022



#79
 Terphenyl-d14
 Concen: 13.637 ng
 RT: 20.279 min Scan# 2892
 Delta R.T. -0.001 min
 Lab File: BG056039.D
 Acq: 20 Dec 2022 21:12

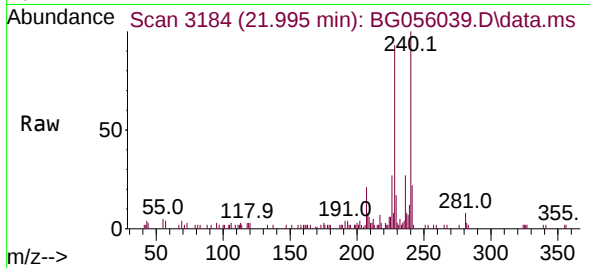
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 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.6
 122 3.2 2.5 3.7





#81
Benzo(a)anthracene
Concen: 2.610 ng
RT: 21.995 min Scan# 3185
Delta R.T. -0.001 min
Lab File: BG056039.D
Acq: 20 Dec 2022 21:12

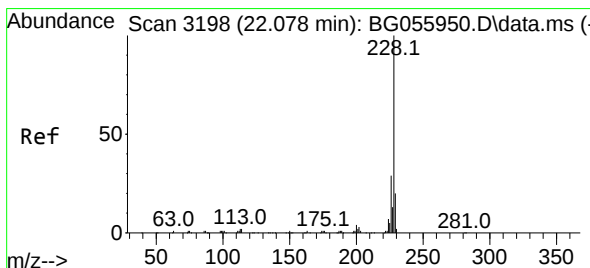
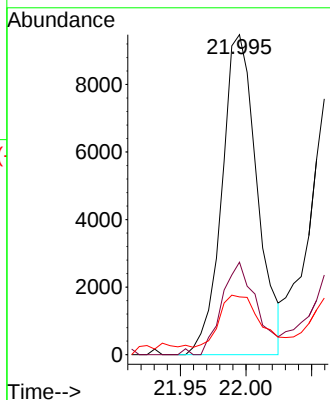
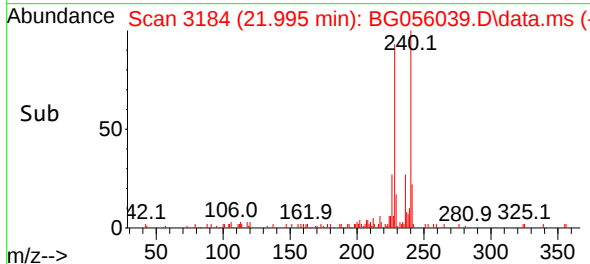
Instrument :
BNA_G
ClientSampleId :
SP-591



Tgt Ion:228 Resp: 17683
Ion Ratio Lower Upper
228 100
226 28.9 21.8 32.6
229 18.0 15.9 23.9

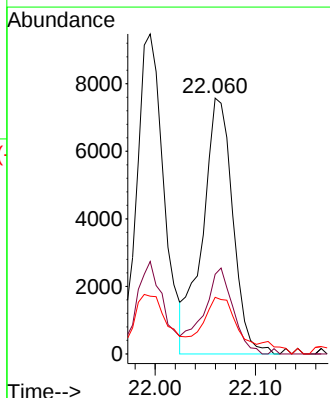
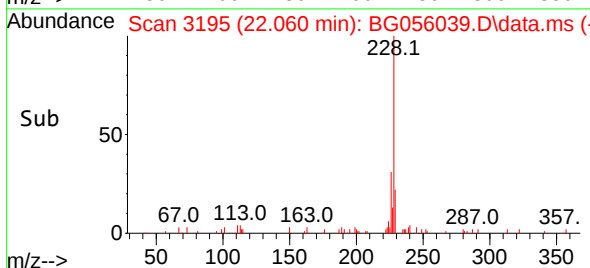
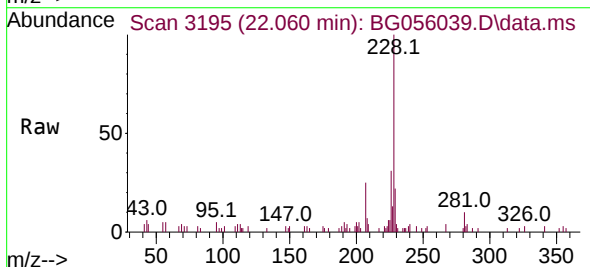
Manual Integrations
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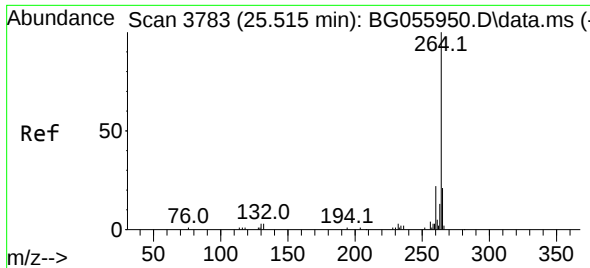
Reviewed By :Christian Giraldo 12/21/2022
Supervised By :Jagrut Upadhyay 12/21/2022



#83
Chrysene
Concen: 2.506 ng m
RT: 22.060 min Scan# 3195
Delta R.T. -0.007 min
Lab File: BG056039.D
Acq: 20 Dec 2022 21:12

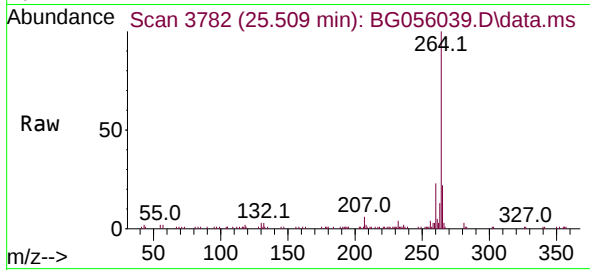
Tgt Ion:228 Resp: 15909
Ion Ratio Lower Upper
228 100
226 31.2 23.1 34.7
229 22.1 15.7 23.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.509 min Scan# 31
 Delta R.T. 0.011 min
 Lab File: BG056039.D
 Acq: 20 Dec 2022 21:12

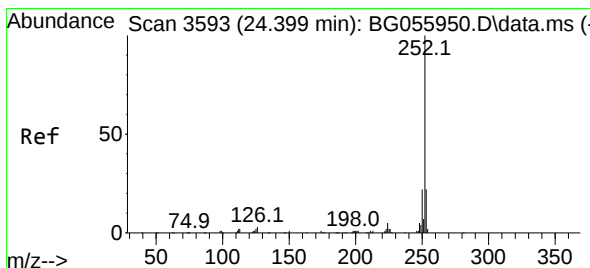
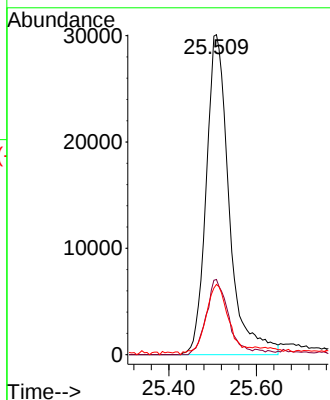
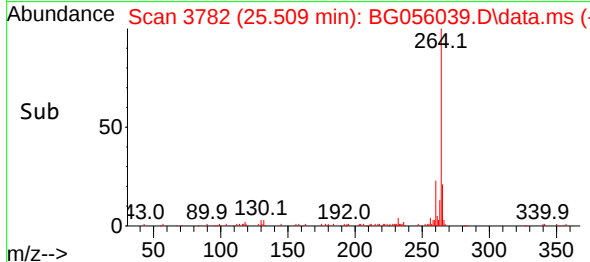
Instrument :
 BNA_G
 ClientSampleId :
 SP-591



Tgt Ion:264 Resp: 109597
 Ion Ratio Lower Upper
 264 100
 260 23.5 17.8 26.8
 265 21.9 16.6 25.0

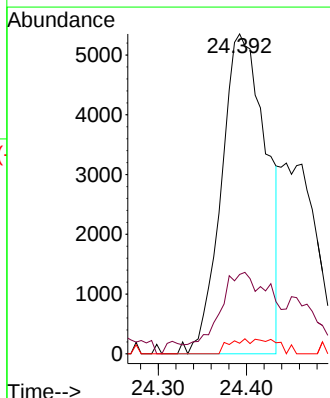
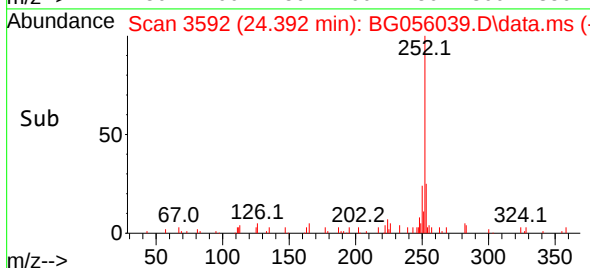
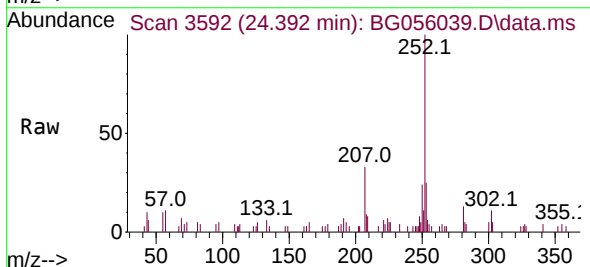
Manual Integrations
 APPROVED

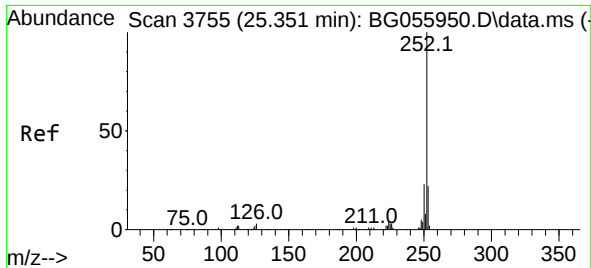
Reviewed By :Christian Giraldo 12/21/2022
 Supervised By :Jagrut Upadhyay 12/21/2022



#88
 Benzo(b)fluoranthene
 Concen: 2.646 ng m
 RT: 24.392 min Scan# 3592
 Delta R.T. 0.005 min
 Lab File: BG056039.D
 Acq: 20 Dec 2022 21:12

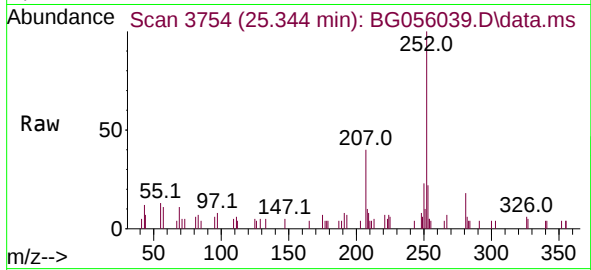
Tgt Ion:252 Resp: 18771
 Ion Ratio Lower Upper
 252 100
 253 24.8 17.4 26.0
 125 3.3 1.8 2.8#





#90
Benzo(a)pyrene
Concen: 2.361 ng
RT: 25.344 min Scan# 31
Delta R.T. 0.011 min
Lab File: BG056039.D
Acq: 20 Dec 2022 21:12

Instrument :
BNA_G
ClientSampleId :
SP-591



Tgt Ion:252 Resp: 14153
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 5.1 1.9 2.9

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/21/2022
Supervised By :Jagrut Upadhyay 12/21/2022

