

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040523\
 Data File : BG056997.D
 Acq On : 5 Apr 2023 19:20
 Operator : CG/JU
 Sample : 02104-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-37-SB02

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/06/2023
 Supervised By : Jagrut Upadhyay 04/06/2023

Quant Time: Apr 06 02:02:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 01:57:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.413	152	14673	20.000	ng	0.00
21) Naphthalene-d8	11.256	136	58615	20.000	ng	0.00
39) Acenaphthene-d10	15.021	164	45564	20.000	ng	-0.01
64) Phenanthrene-d10	17.765	188	107888	20.000	ng	0.00
76) Chrysene-d12	22.083	240	86081	20.000	ng	-0.01
86) Perylene-d12	25.625	264	93126	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.922	112	105423	114.989	ng	0.00
7) Phenol-d6	7.543	99	155215	113.197	ng	0.00
23) Nitrobenzene-d5	9.588	82	101943	71.164	ng	0.00
42) 2,4,6-Tribromophenol	16.508	330	82936	113.939	ng	0.00
45) 2-Fluorobiphenyl	13.653	172	221839	66.021	ng	0.00
79) Terphenyl-d14	20.332	244	306675	60.285	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.806	178	25346	4.608	ng	98
75) Fluoranthene	19.791	202	35779	5.131	ng	96
78) Pyrene	20.156	202	28583	4.801	ng	97
81) Benzo(a)anthracene	22.065	228	13878	2.330	ng	98
83) Chrysene	22.135	228	12416m	2.226	ng	
88) Benzo(b)fluoranthene	24.491	252	15165	2.604	ng	# 97

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

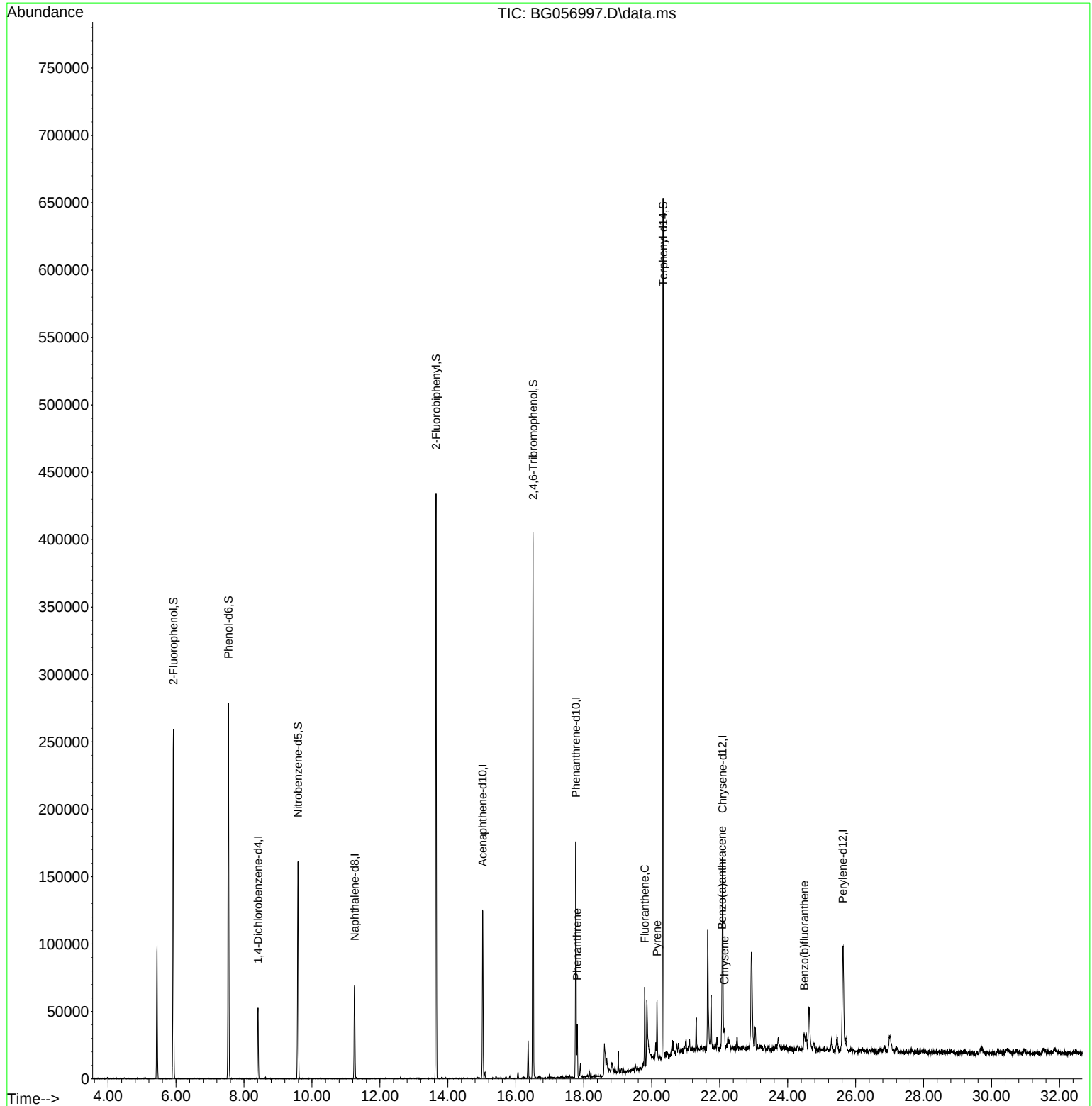
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040523\
Data File : BG056997.D
Acq On : 5 Apr 2023 19:20
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ALS Vial : 8 Sample Multiplier: 1

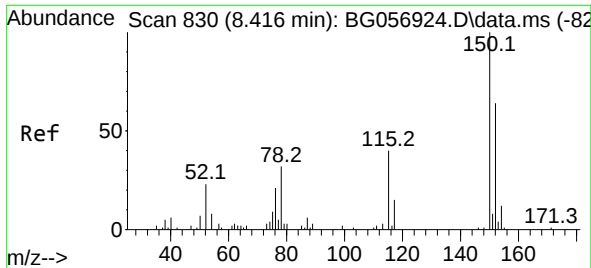
Instrument :
BNA_G
ClientSampleId :
B-37-SB02

Quant Time: Apr 06 02:02:41 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 06 01:57:04 2023
Response via : Initial Calibration

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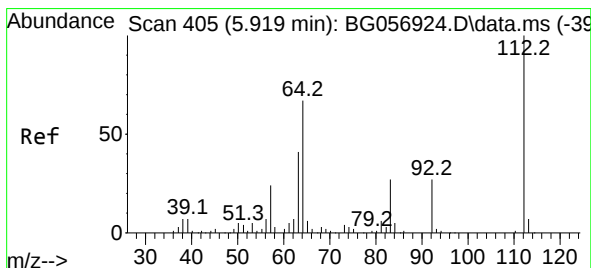
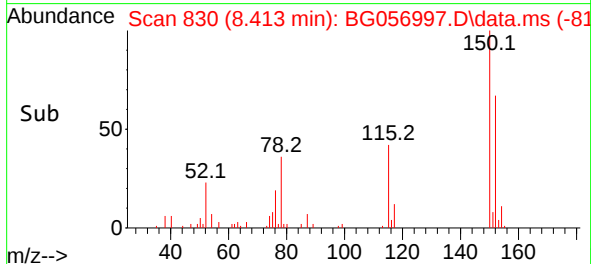
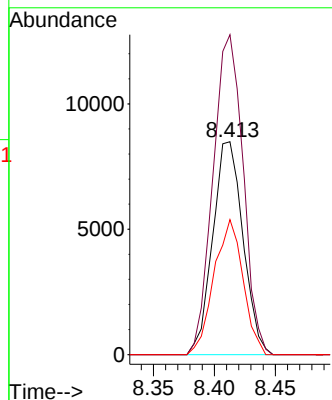
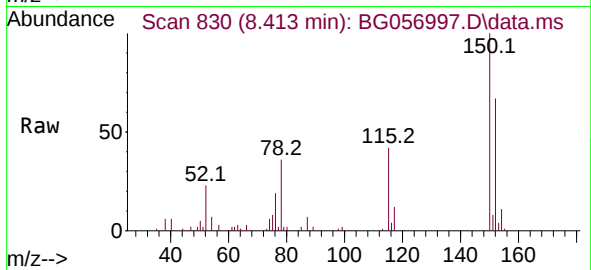
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.413 min Scan# 830
Delta R.T. -0.007 min
Lab File: BG056997.D
Acq: 5 Apr 2023 19:20

Instrument :
BNA_G
ClientSampleId :
B-37-SB02

Tgt Ion:152 Resp: 14673
Ion Ratio Lower Upper
152 100
150 150.3 124.1 186.1
115 63.4 49.1 73.7

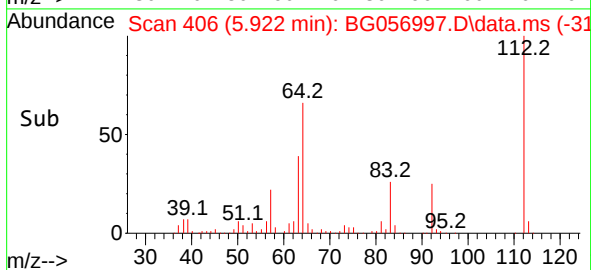
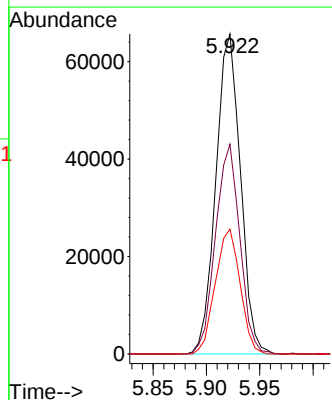
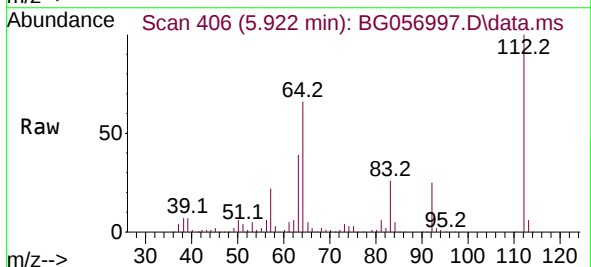
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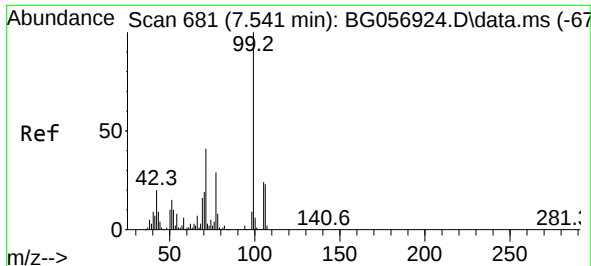
Reviewed By :Christian Giraldo 04/06/2023
Supervised By :Jagrut Upadhyay 04/06/2023



#5
2-Fluorophenol
Concen: 114.989 ng
RT: 5.922 min Scan# 406
Delta R.T. -0.001 min
Lab File: BG056997.D
Acq: 5 Apr 2023 19:20

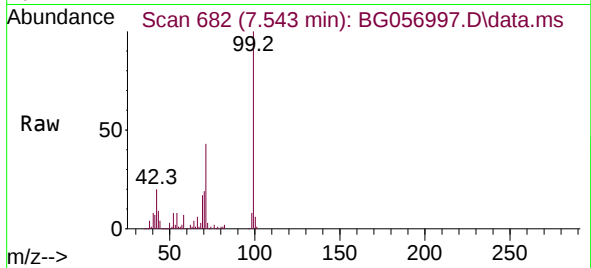
Tgt Ion:112 Resp: 105423
Ion Ratio Lower Upper
112 100
64 65.5 53.2 79.8
63 39.0 32.6 48.8





#7
Phenol-d6
Concen: 113.197 ng
RT: 7.543 min Scan# 681
Delta R.T. -0.001 min
Lab File: BG056997.D
Acq: 5 Apr 2023 19:20

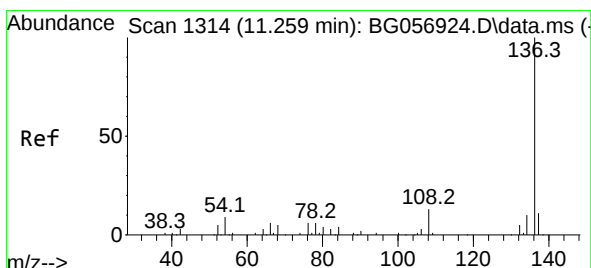
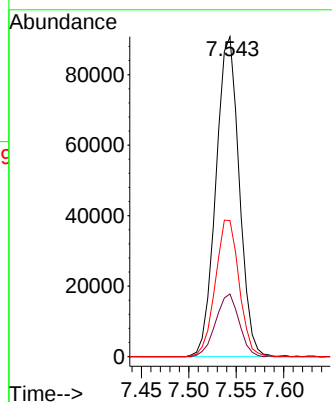
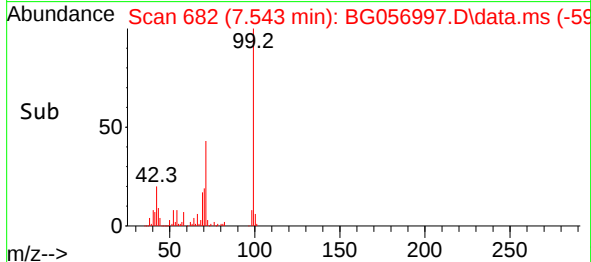
Instrument :
BNA_G
ClientSampleId :
B-37-SB02



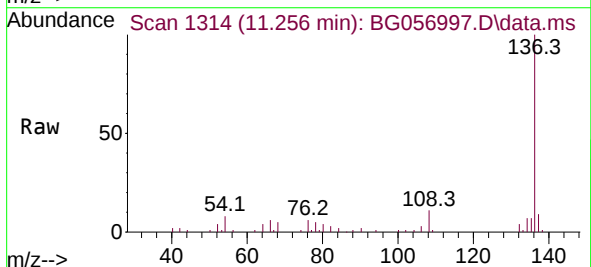
Tgt Ion: 99 Resp: 155215
Ion Ratio Lower Upper
99 100
42 19.6 15.7 23.5
71 42.5 32.5 48.7

Manual Integrations
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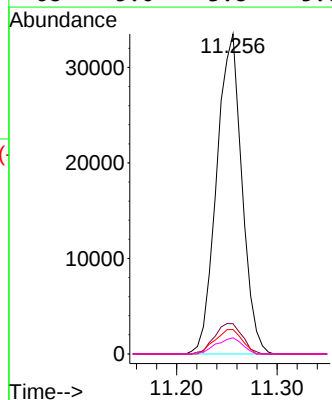
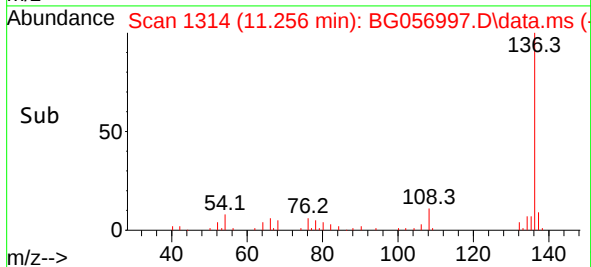
Reviewed By :Christian Giraldo 04/06/2023
Supervised By :Jagrut Upadhyay 04/06/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.256 min Scan# 1314
Delta R.T. -0.007 min
Lab File: BG056997.D
Acq: 5 Apr 2023 19:20



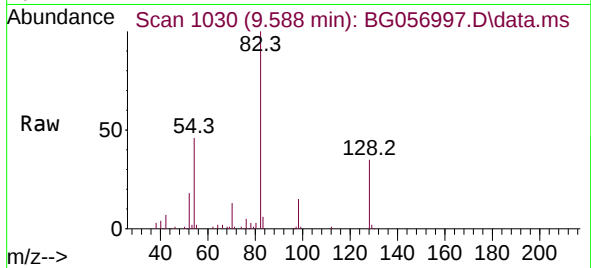
Tgt Ion:136 Resp: 58615
Ion Ratio Lower Upper
136 100
137 9.4 8.6 13.0
54 7.6 6.9 10.3
68 5.0 3.8 5.6





#23
Nitrobenzene-d5
Concen: 71.164 ng
RT: 9.588 min Scan# 1030
Delta R.T. -0.007 min
Lab File: BG056997.D
Acq: 5 Apr 2023 19:20

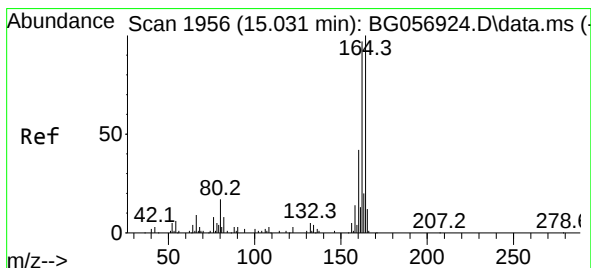
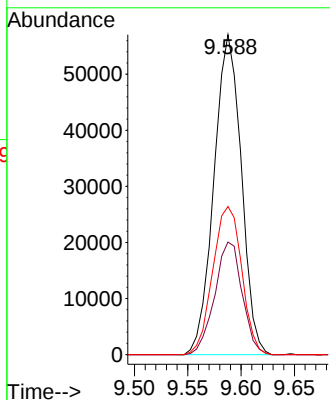
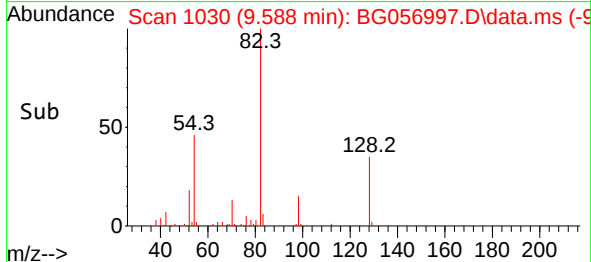
Instrument :
BNA_G
ClientSampleId :
B-37-SB02



Tgt Ion: 82 Resp: 101943
Ion Ratio Lower Upper
82 100
128 35.2 27.9 41.9
54 46.3 39.4 59.2

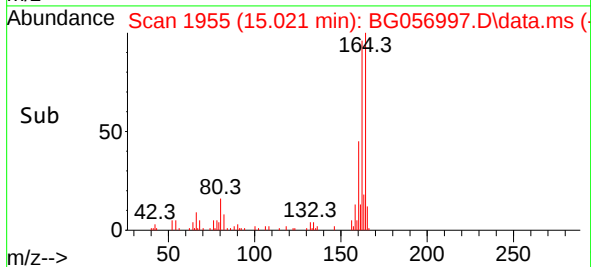
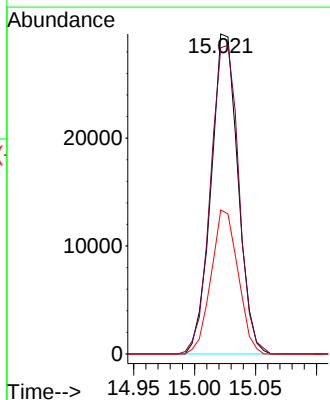
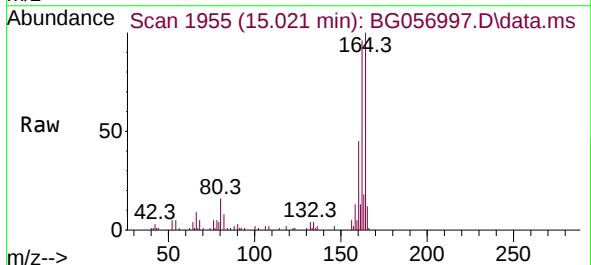
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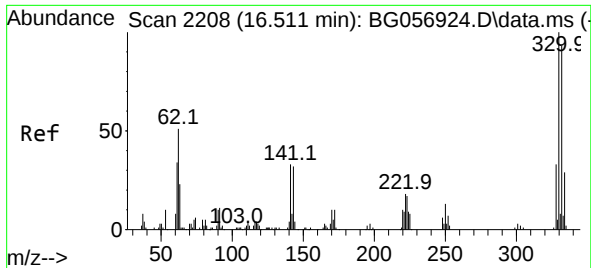
Reviewed By :Christian Giraldo 04/06/2023
Supervised By :Jagrut Upadhyay 04/06/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.021 min Scan# 1955
Delta R.T. -0.013 min
Lab File: BG056997.D
Acq: 5 Apr 2023 19:20

Tgt Ion:164 Resp: 45564
Ion Ratio Lower Upper
164 100
162 95.7 77.8 116.8
160 45.0 33.5 50.3





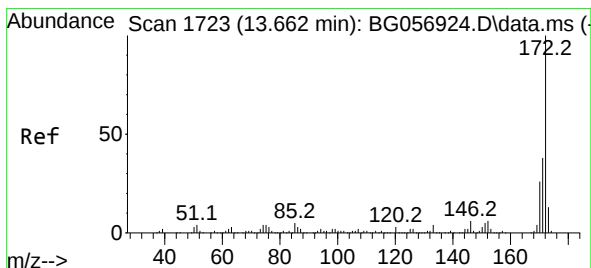
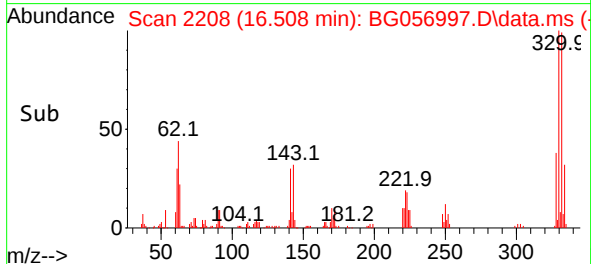
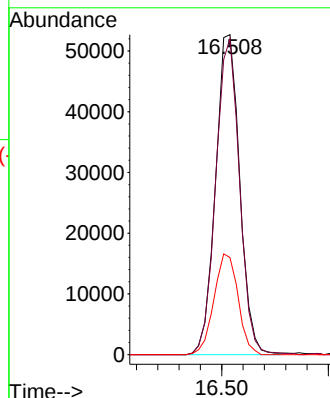
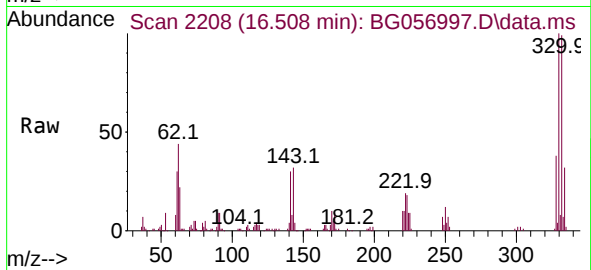
#42
2,4,6-Tribromophenol
Concen: 113.939 ng
RT: 16.508 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG056997.D
Acq: 5 Apr 2023 19:20

Instrument :
BNA_G
ClientSampleId :
B-37-SB02

Tgt Ion:330 Resp: 82936
Ion Ratio Lower Upper
330 100
332 97.0 76.1 114.1
141 31.4 25.8 38.6

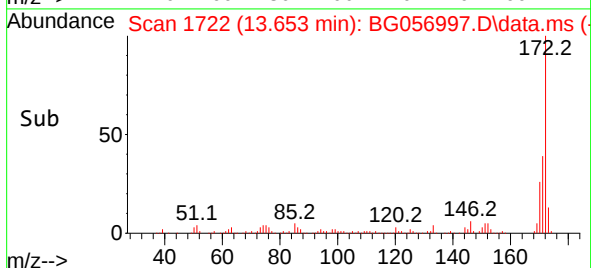
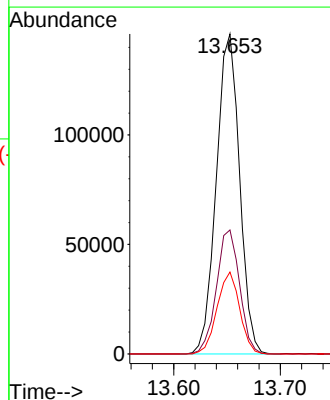
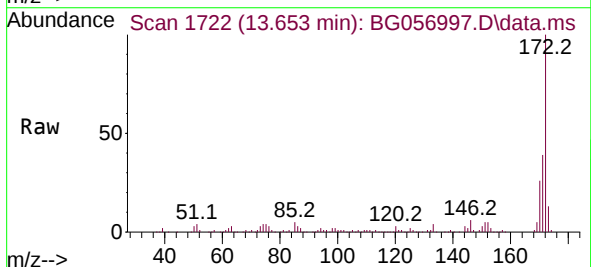
Manual Integrations
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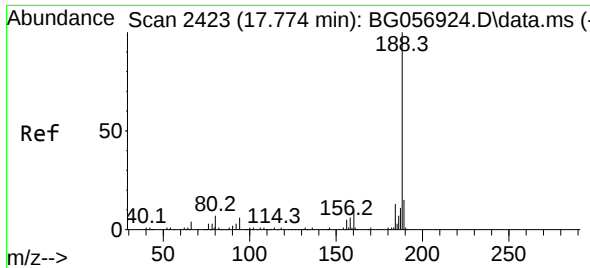
Reviewed By :Christian Giraldo 04/06/2023
Supervised By :Jagrut Upadhyay 04/06/2023



#45
2-Fluorobiphenyl
Concen: 66.021 ng
RT: 13.653 min Scan# 1722
Delta R.T. -0.001 min
Lab File: BG056997.D
Acq: 5 Apr 2023 19:20

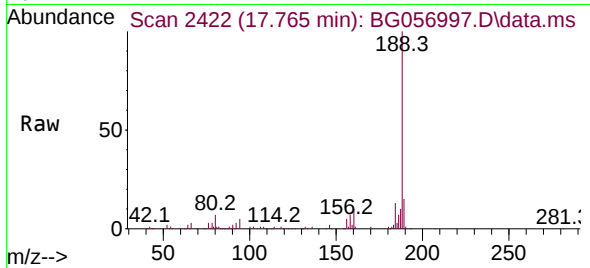
Tgt Ion:172 Resp: 221839
Ion Ratio Lower Upper
172 100
171 38.7 30.6 46.0
170 25.6 20.6 30.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.765 min Scan# 2422
Delta R.T. -0.001 min
Lab File: BG056997.D
Acq: 5 Apr 2023 19:20

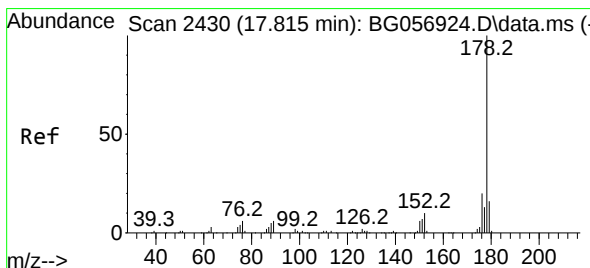
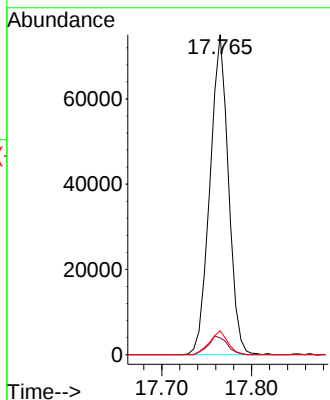
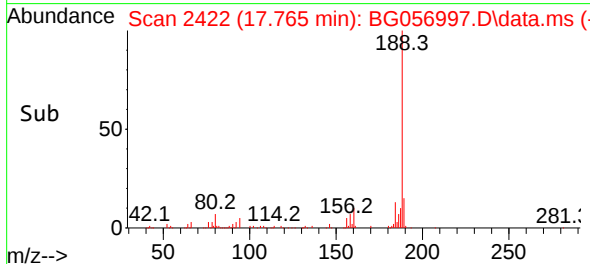
Instrument :
BNA_G
ClientSampleId :
B-37-SB02



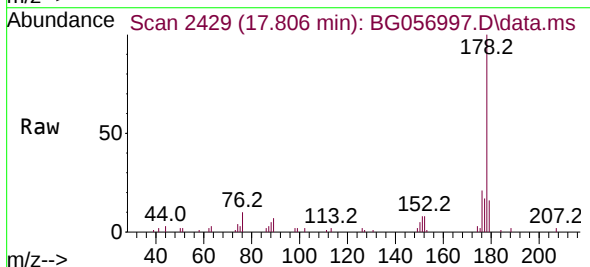
Tgt Ion:188 Resp: 107888
Ion Ratio Lower Upper
188 100
94 5.2 4.6 6.8
80 7.4 5.5 8.3

Manual Integrations
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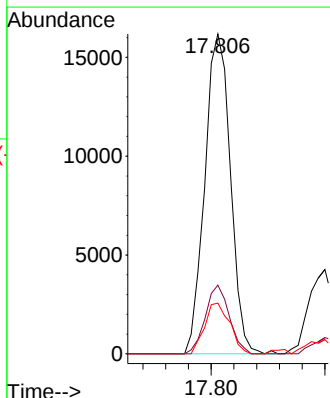
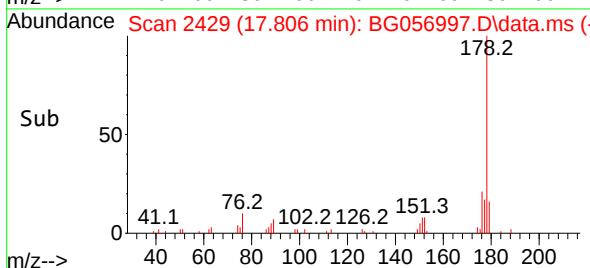
Reviewed By :Christian Giraldo 04/06/2023
Supervised By :Jagrut Upadhyay 04/06/2023

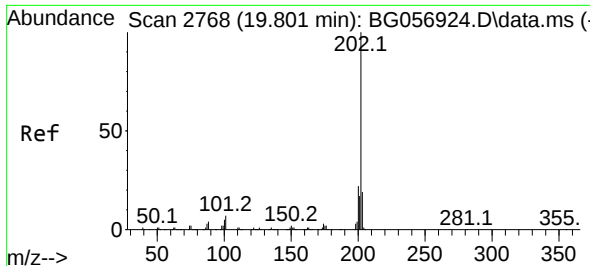


#71
Phenanthrene
Concen: 4.608 ng
RT: 17.806 min Scan# 2429
Delta R.T. -0.007 min
Lab File: BG056997.D
Acq: 5 Apr 2023 19:20



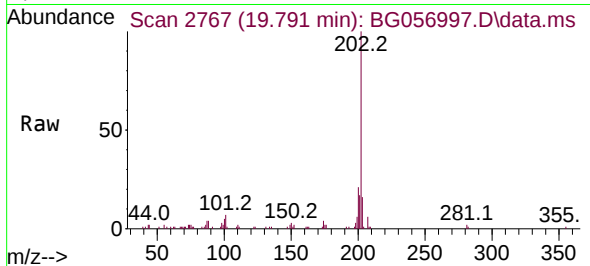
Tgt Ion:178 Resp: 25346
Ion Ratio Lower Upper
178 100
176 21.5 16.2 24.2
179 15.9 12.5 18.7





#75
Fluoranthene
Concen: 5.131 ng
RT: 19.791 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG056997.D
Acq: 5 Apr 2023 19:20

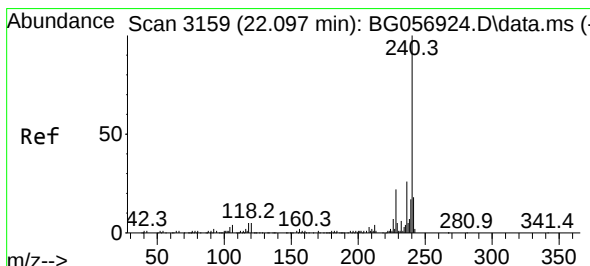
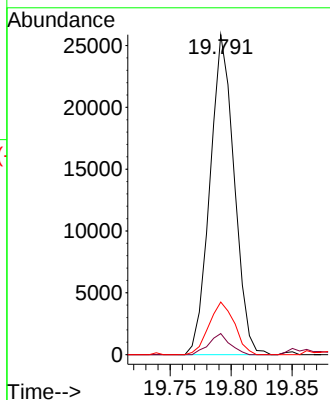
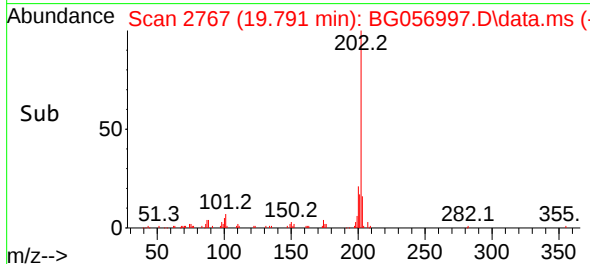
Instrument :
BNA_G
ClientSampleId :
B-37-SB02



Tgt Ion:202 Resp: 35779
Ion Ratio Lower Upper
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101 6.6 0.0 26.7
203 16.4 0.0 39.0

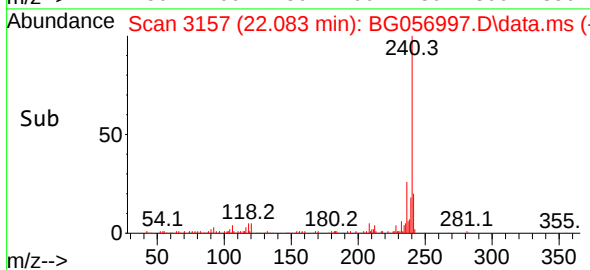
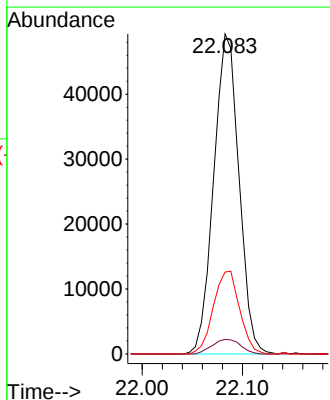
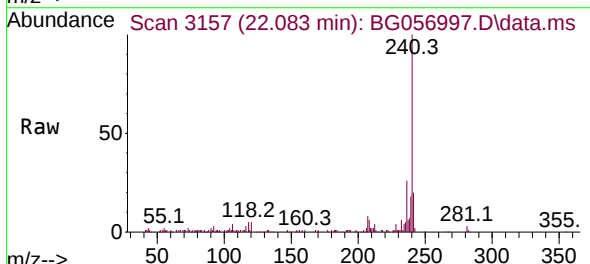
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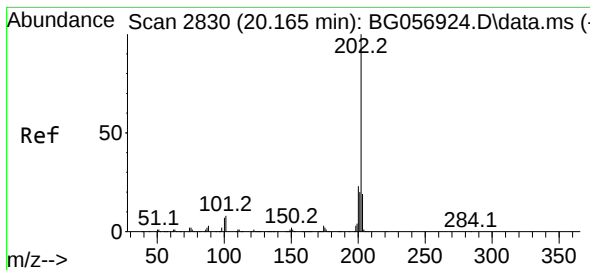
Reviewed By :Christian Giraldo 04/06/2023
Supervised By :Jagrut Upadhyay 04/06/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.083 min Scan# 3157
Delta R.T. -0.013 min
Lab File: BG056997.D
Acq: 5 Apr 2023 19:20

Tgt Ion:240 Resp: 86081
Ion Ratio Lower Upper
240 100
120 4.5 3.8 5.6
236 25.6 21.0 31.6





#78

Pyrene

Concen: 4.801 ng

RT: 20.156 min Scan# 2829

Delta R.T. -0.001 min

Lab File: BG056997.D

Acq: 5 Apr 2023 19:20

Instrument :

BNA_G

ClientSampleId :

B-37-SB02

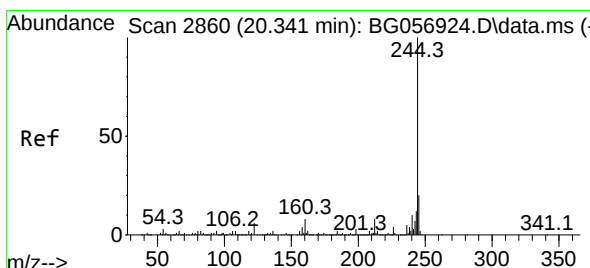
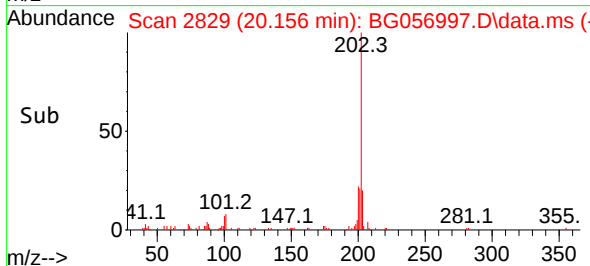
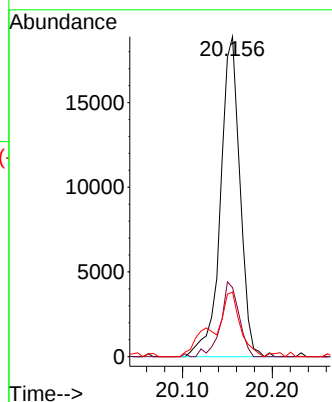
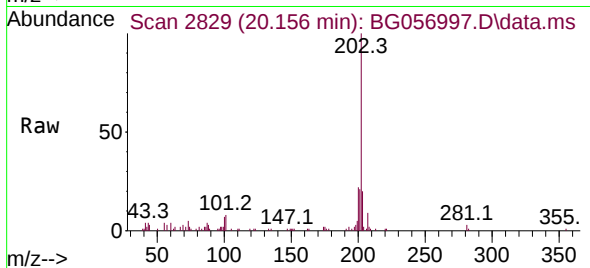
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	18.7	28.1
203	20.2	15.4	23.2

Manual Integrations

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Reviewed By :Christian Giraldo 04/06/2023

Supervised By :Jagrut Upadhyay 04/06/2023



#79

Terphenyl-d14

Concen: 60.285 ng

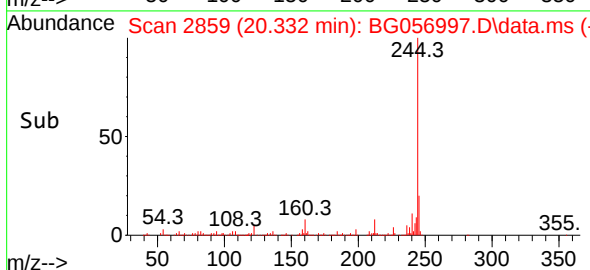
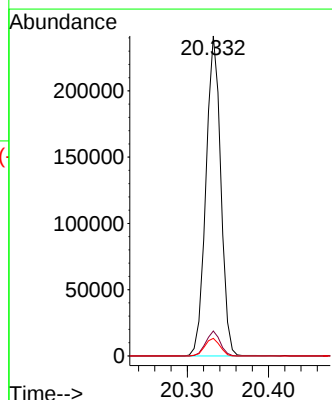
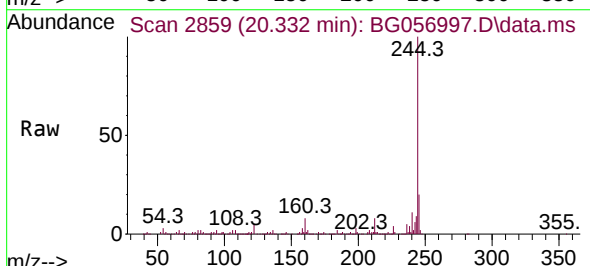
RT: 20.332 min Scan# 2859

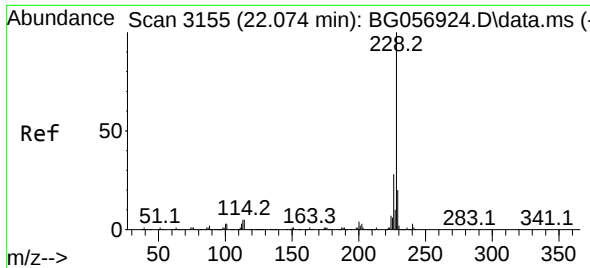
Delta R.T. -0.007 min

Lab File: BG056997.D

Acq: 5 Apr 2023 19:20

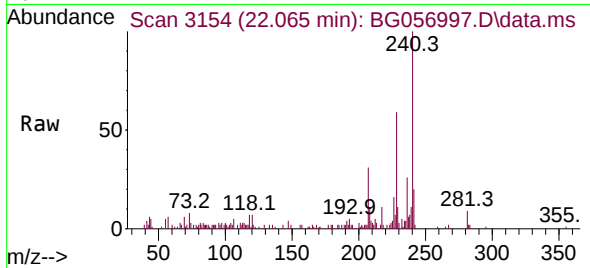
Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.1	9.1
122	5.5	5.0	7.4





#81
Benzo(a)anthracene
Concen: 2.330 ng
RT: 22.065 min Scan# 3155
Delta R.T. -0.007 min
Lab File: BG056997.D
Acq: 5 Apr 2023 19:20

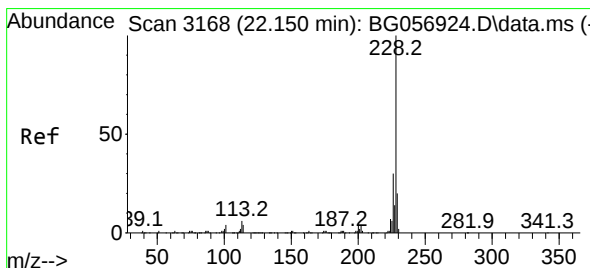
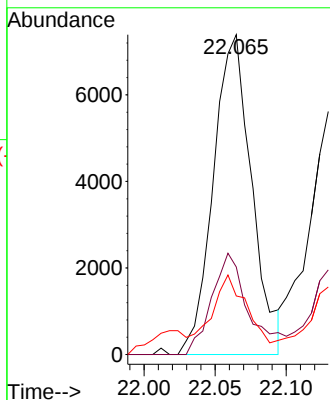
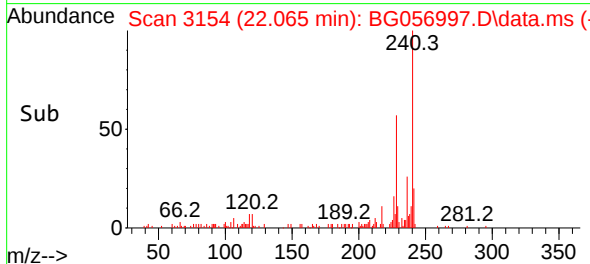
Instrument :
BNA_G
ClientSampleId :
B-37-SB02



Tgt Ion:228 Resp: 13878
Ion Ratio Lower Upper
228 100
226 27.4 22.1 33.1
229 18.3 16.1 24.1

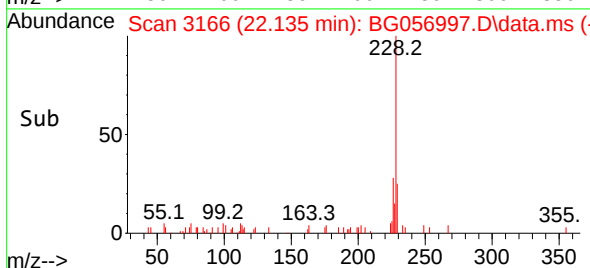
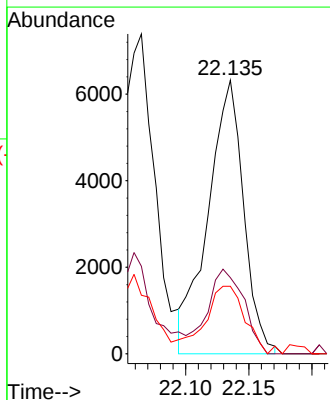
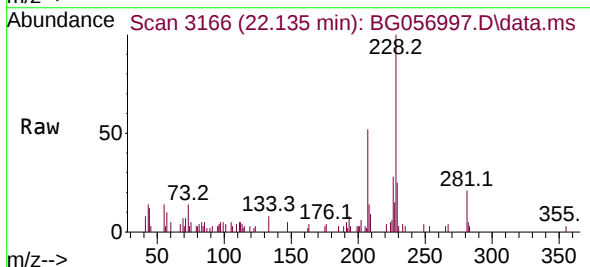
Manual Integrations
APPROVED

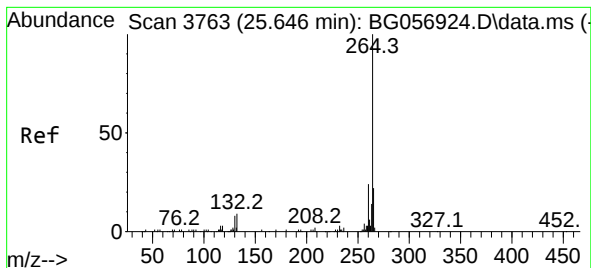
Reviewed By :Christian Giraldo 04/06/2023
Supervised By :Jagrut Upadhyay 04/06/2023



#83
Chrysene
Concen: 2.226 ng m
RT: 22.135 min Scan# 3166
Delta R.T. -0.007 min
Lab File: BG056997.D
Acq: 5 Apr 2023 19:20

Tgt Ion:228 Resp: 12416
Ion Ratio Lower Upper
228 100
226 27.9 24.1 36.1
229 24.7 15.6 23.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.625 min Scan# 31

Delta R.T. -0.007 min

Lab File: BG056997.D

Acq: 5 Apr 2023 19:20

Instrument :

BNA_G

ClientSampleId :

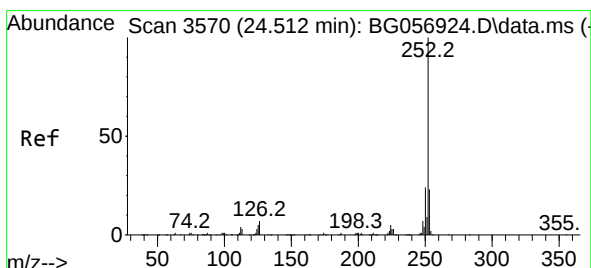
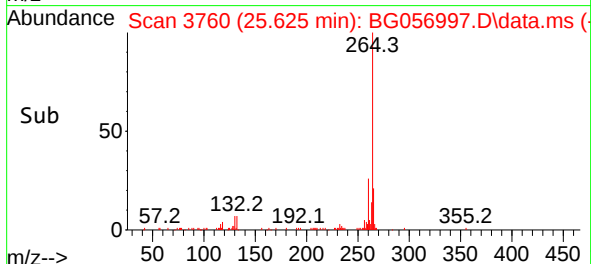
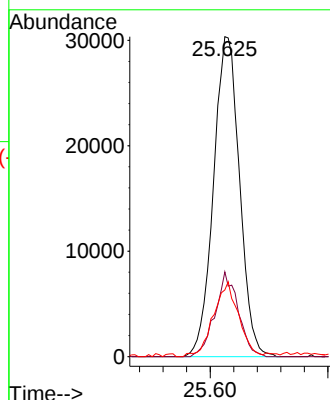
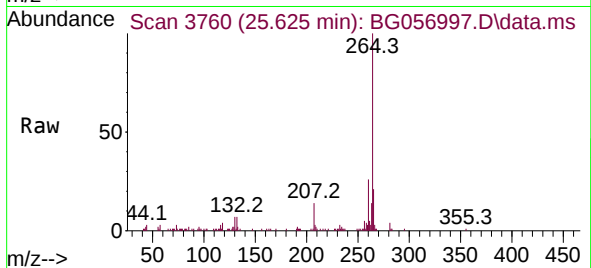
B-37-SB02

Tgt Ion:264	Resp:	93126
Ion Ratio	Lower	Upper
264	100	
260	26.5	19.0 28.4
265	20.8	17.8 26.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/06/2023
Supervised By :Jagrut Upadhyay 04/06/2023



#88

Benzo(b)fluoranthene

Concen: 2.604 ng

RT: 24.491 min Scan# 3567

Delta R.T. -0.013 min

Lab File: BG056997.D

Acq: 5 Apr 2023 19:20

Tgt Ion:252	Resp:	15165
Ion Ratio	Lower	Upper
252	100	
253	24.2	18.1 27.1
125	6.4	4.2 6.4#

