

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052423\
 Data File : BG057544.D
 Acq On : 24 May 2023 21:39
 Operator : CG/JU
 Sample : 02899-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB06B

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/25/2023
 Supervised By : Jagrut Upadhyay 05/25/2023

Quant Time: May 25 02:27:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 02:19:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.357	152	19517	20.000	ng	0.00
21) Naphthalene-d8	11.195	136	75661	20.000	ng	# 0.00
39) Acenaphthene-d10	14.972	164	51565	20.000	ng	0.00
64) Phenanthrene-d10	17.709	188	132660	20.000	ng	-0.01
76) Chrysene-d12	22.015	240	132711	20.000	ng	-0.02
86) Perylene-d12	25.516	264	139763	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.878	112	103268	90.512	ng	0.00
7) Phenol-d6	7.500	99	145854	84.184	ng	0.00
23) Nitrobenzene-d5	9.532	82	93249	51.727	ng	-0.01
42) 2,4,6-Tribromophenol	16.452	330	70208	95.958	ng	-0.01
45) 2-Fluorobiphenyl	13.591	172	211805	55.320	ng	-0.01
79) Terphenyl-d14	20.276	244	428581	52.702	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.750	178	14989	2.205	ng	# 94
75) Fluoranthene	19.742	202	42147	4.985	ng	98
78) Pyrene	20.100	202	36400	3.775	ng	99
81) Benzo(a)anthracene	21.998	228	23763	2.513	ng	99
83) Chrysene	22.068	228	24637m	2.769	ng	
88) Benzo(b)fluoranthene	24.394	252	28858	3.159	ng	# 95

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

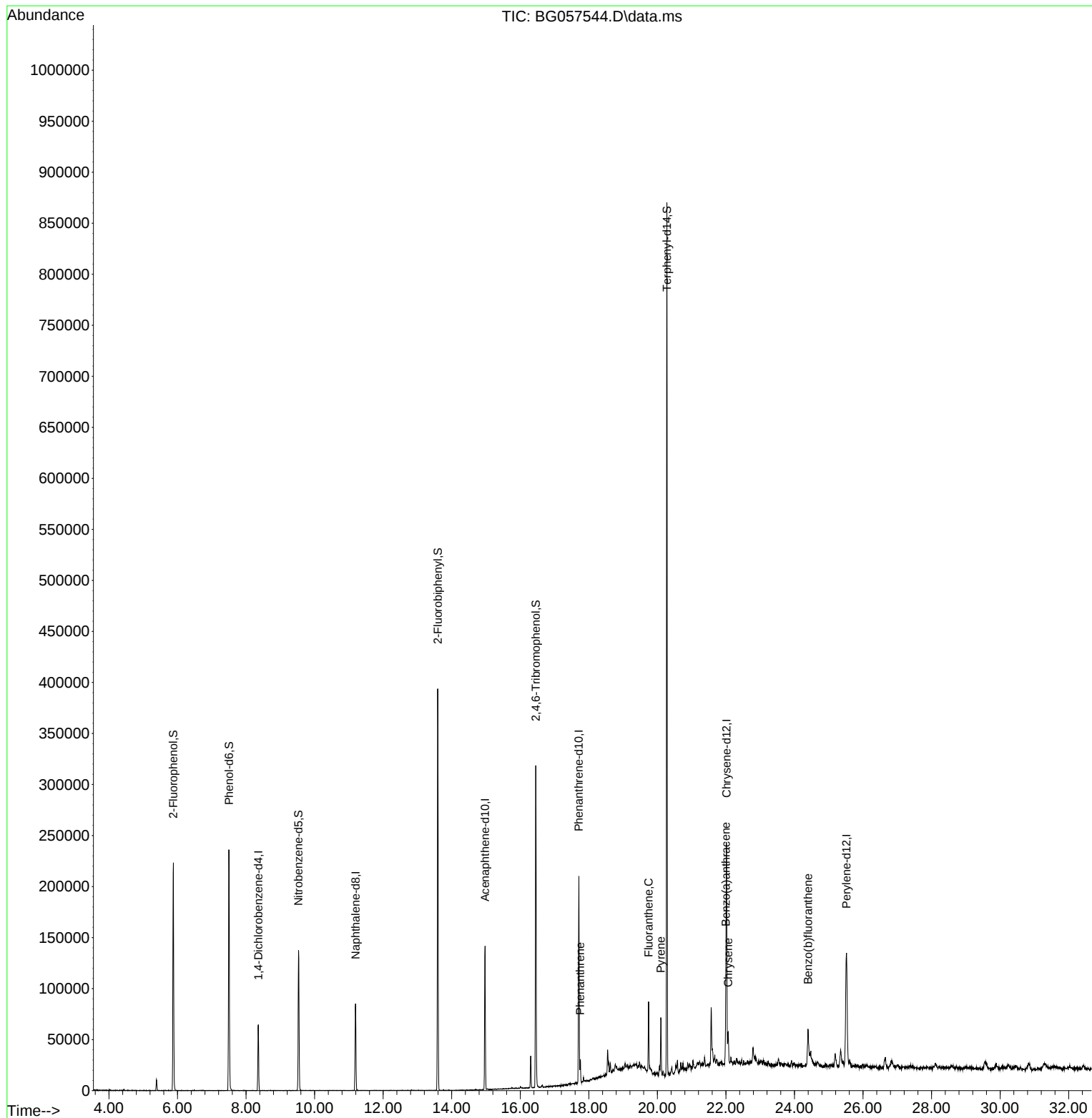
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052423\
Data File : BG057544.D
Acq On : 24 May 2023 21:39
Operator : CG/JU
Sample : 02899-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

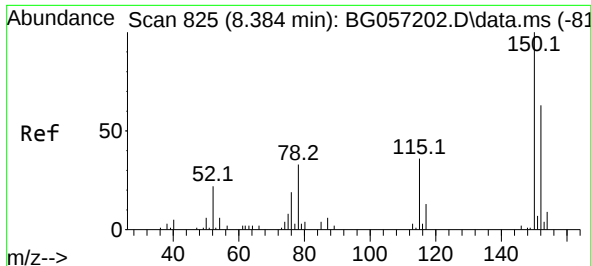
Instrument :
BNA_G
ClientSampleId :
SB06B

Quant Time: May 25 02:27:59 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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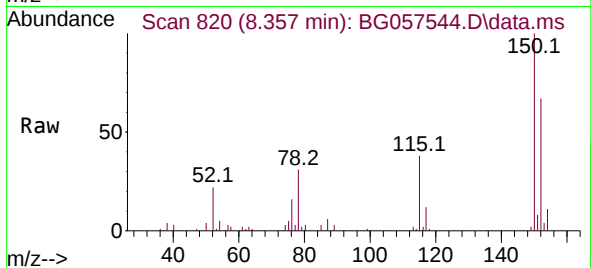
Reviewed By : Christian Giraldo 05/25/2023
Supervised By : Jagrut Upadhyay 05/25/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.357 min Scan# 81
Delta R.T. -0.009 min
Lab File: BG057544.D
Acq: 24 May 2023 21:39

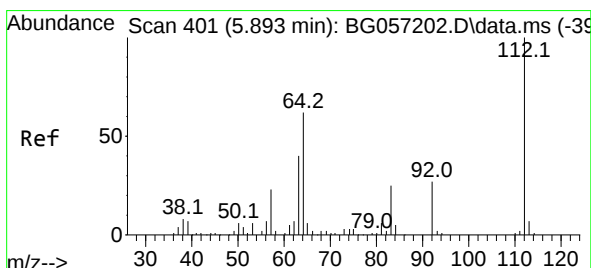
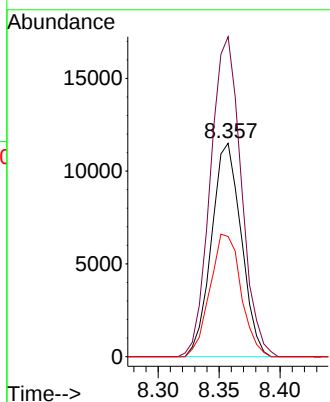
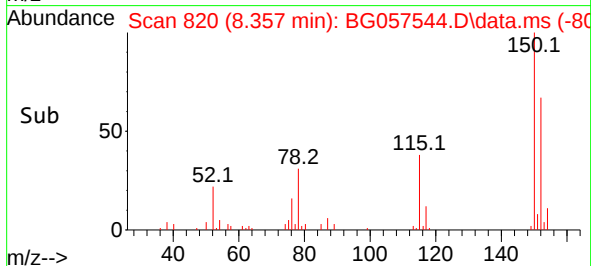
Instrument :
BNA_G
ClientSampleId :
SB06B



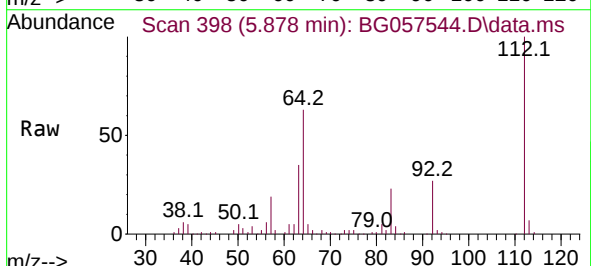
Tgt Ion:152 Resp: 1951
Ion Ratio Lower Upper
152 100
150 149.9 126.2 189.4
115 56.3 45.0 67.4

Manual Integrations
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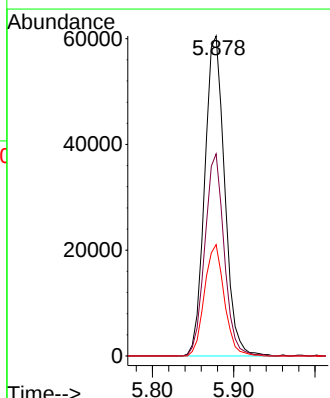
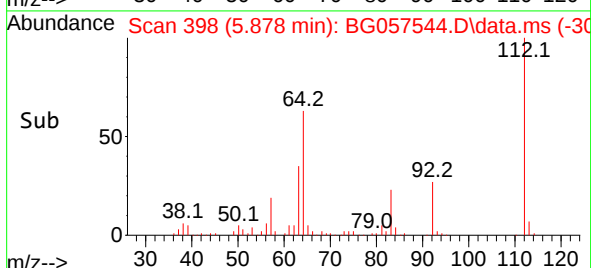
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023

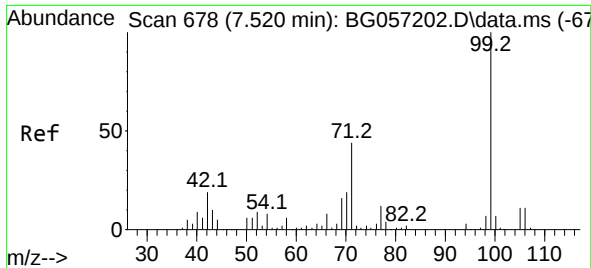


#5
2-Fluorophenol
Concen: 90.512 ng
RT: 5.878 min Scan# 398
Delta R.T. 0.003 min
Lab File: BG057544.D
Acq: 24 May 2023 21:39



Tgt Ion:112 Resp: 103268
Ion Ratio Lower Upper
112 100
64 63.2 49.4 74.2
63 34.8 31.6 47.4





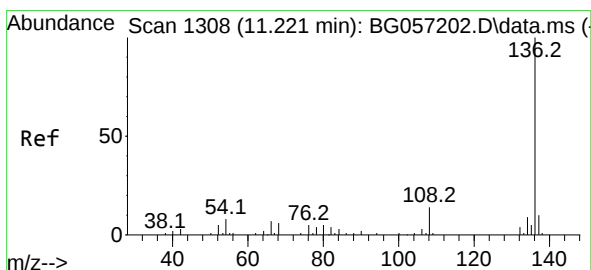
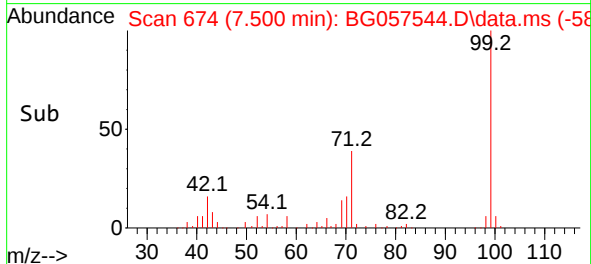
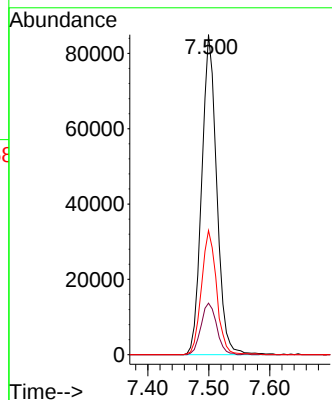
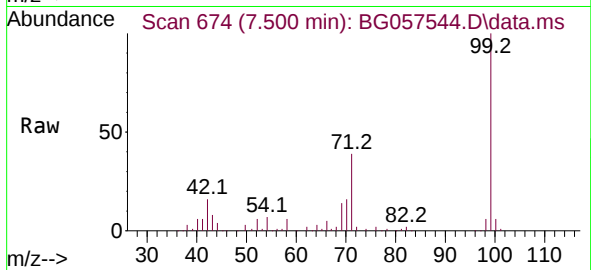
#7
Phenol-d6
Concen: 84.184 ng
RT: 7.500 min Scan# 61
Delta R.T. -0.008 min
Lab File: BG057544.D
Acq: 24 May 2023 21:39

Instrument :
BNA_G
ClientSampleId :
SB06B

Tgt Ion: 99 Resp: 145854
Ion Ratio Lower Upper
99 100
42 16.1 15.1 22.7
71 38.8 35.2 52.8

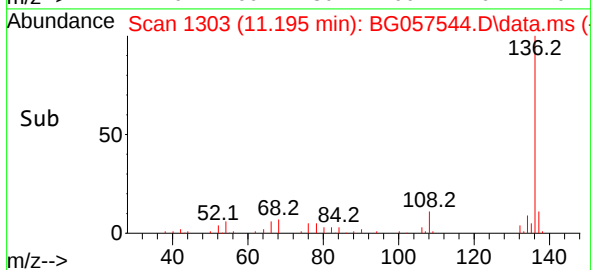
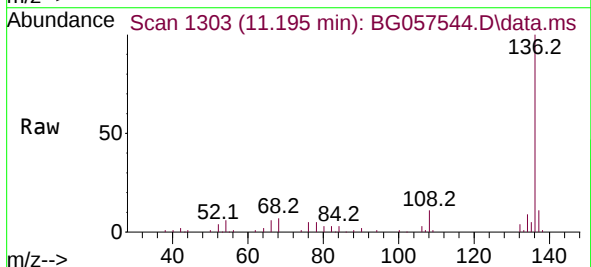
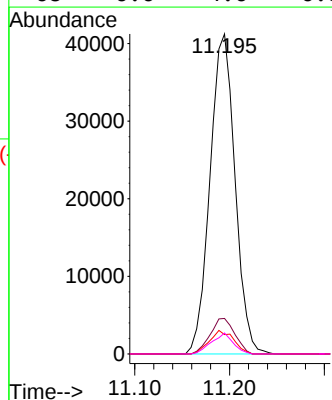
Manual Integrations
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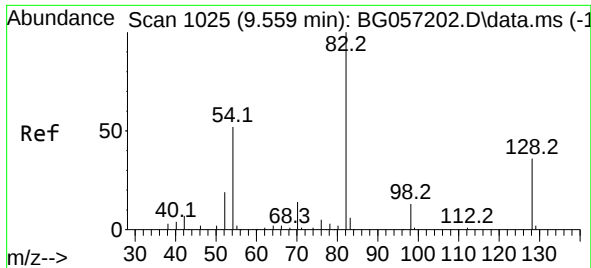
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.195 min Scan# 1303
Delta R.T. -0.008 min
Lab File: BG057544.D
Acq: 24 May 2023 21:39

Tgt Ion:136 Resp: 75661
Ion Ratio Lower Upper
136 100
137 11.1 8.3 12.5
54 6.1 6.7 10.1#
68 6.6 4.6 6.8





#23
Nitrobenzene-d5
Concen: 51.727 ng
RT: 9.532 min Scan# 1020
Delta R.T. -0.014 min
Lab File: BG057544.D
Acq: 24 May 2023 21:39

Instrument :

BNA_G

ClientSampleId :

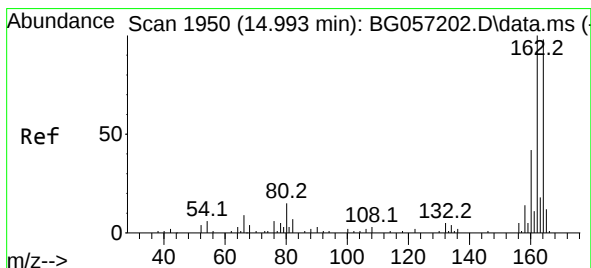
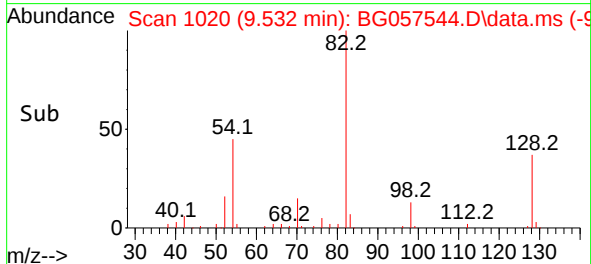
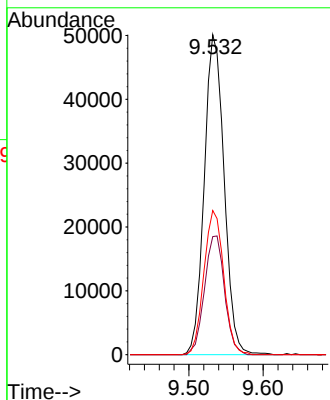
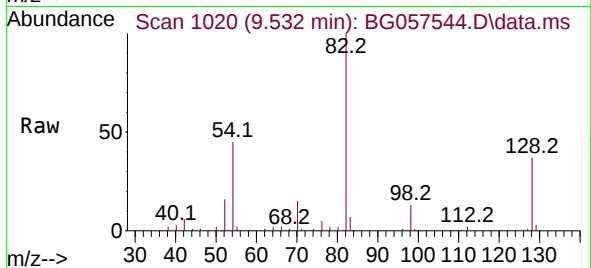
SB06B

Tgt Ion: 82 Resp: 93249
Ion Ratio Lower Upper
82 100
128 36.9 29.0 43.4
54 45.1 41.4 62.0

Manual Integrations

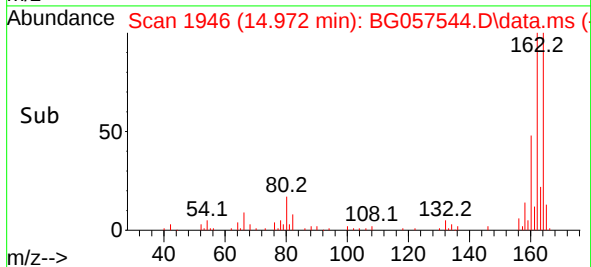
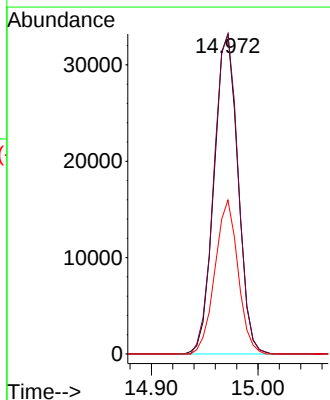
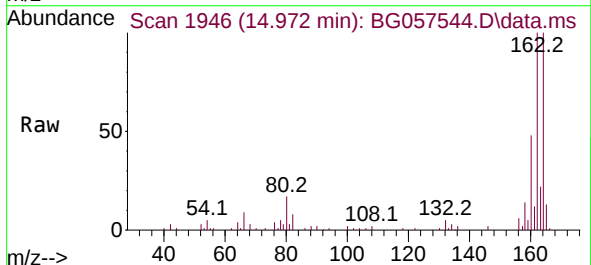
APPROVED

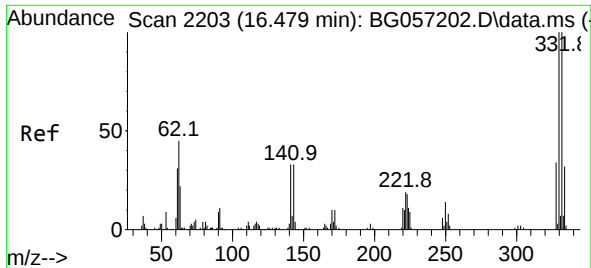
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.972 min Scan# 1946
Delta R.T. -0.008 min
Lab File: BG057544.D
Acq: 24 May 2023 21:39

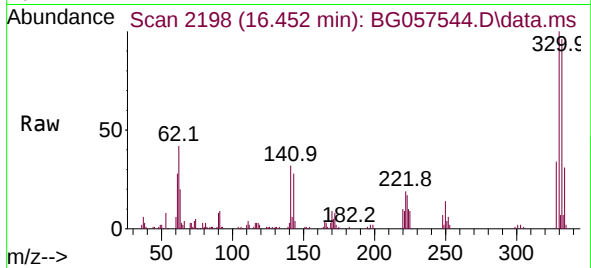
Tgt Ion:164 Resp: 51565
Ion Ratio Lower Upper
164 100
162 100.0 81.8 122.6
160 48.1 34.6 52.0





#42
2,4,6-Tribromophenol
Concen: 95.958 ng
RT: 16.452 min Scan# 2198
Delta R.T. -0.014 min
Lab File: BG057544.D
Acq: 24 May 2023 21:39

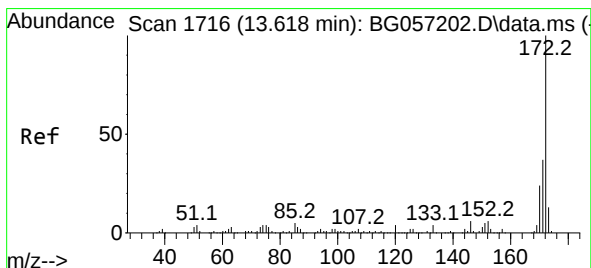
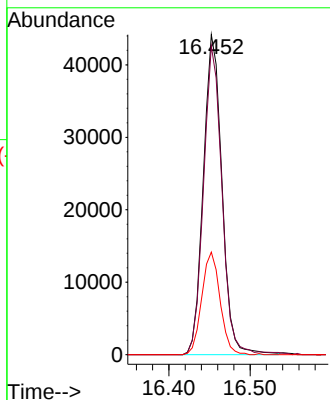
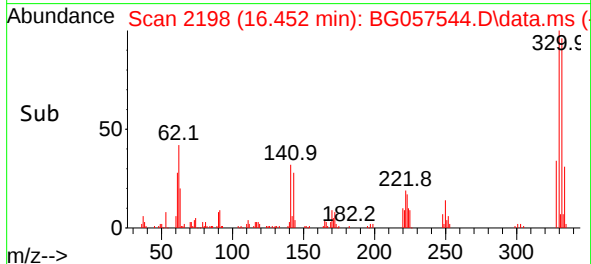
Instrument :
BNA_G
ClientSampleId :
SB06B



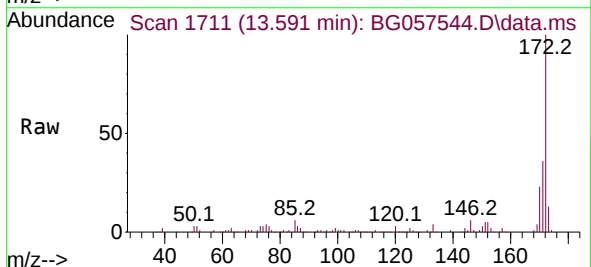
Tgt Ion:330 Resp: 70208
Ion Ratio Lower Upper
330 100
332 96.0 78.2 117.2
141 31.4 27.8 41.8

Manual Integrations
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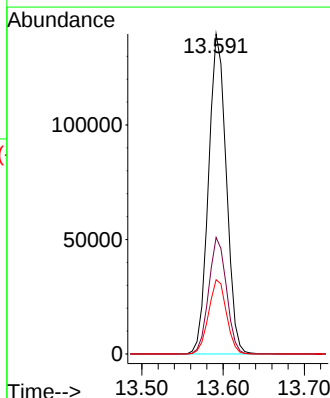
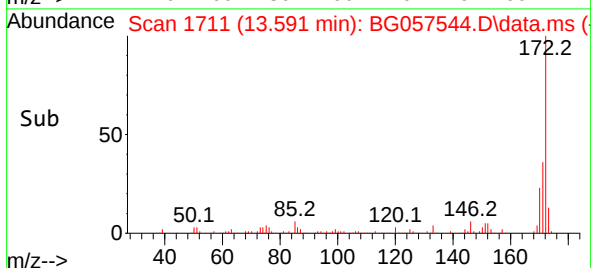
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023

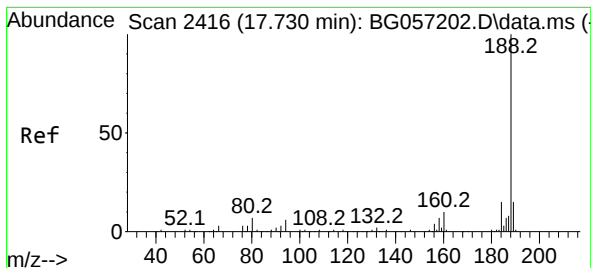


#45
2-Fluorobiphenyl
Concen: 55.320 ng
RT: 13.591 min Scan# 1711
Delta R.T. -0.014 min
Lab File: BG057544.D
Acq: 24 May 2023 21:39



Tgt Ion:172 Resp: 211805
Ion Ratio Lower Upper
172 100
171 36.4 29.4 44.0
170 23.2 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.709 min Scan# 2416

Delta R.T. -0.014 min

Lab File: BG057544.D

Acq: 24 May 2023 21:39

Instrument :

BNA_G

ClientSampleId :

SB06B

Tgt Ion:188 Resp: 132660

Ion Ratio Lower Upper

188 100

94 6.3 5.1 7.7

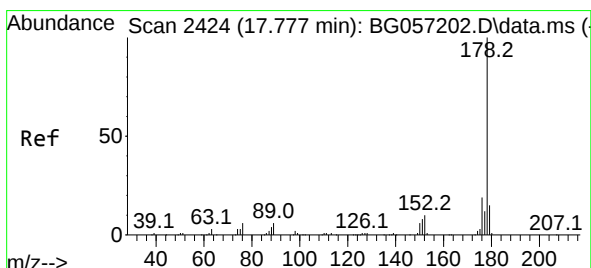
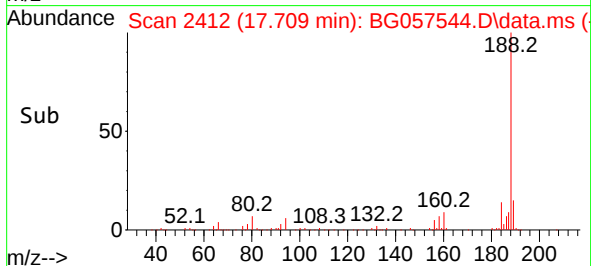
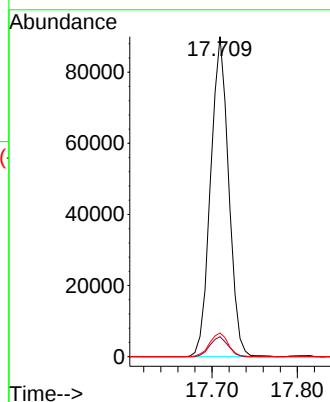
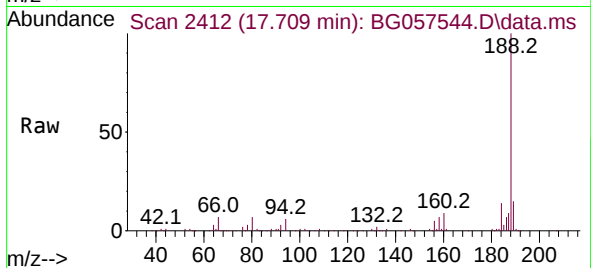
80 7.4 5.7 8.5

Manual Integrations

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Reviewed By :Christian Giraldo 05/25/2023

Supervised By :Jagrut Upadhyay 05/25/2023



#71

Phenanthrene

Concen: 2.205 ng

RT: 17.750 min Scan# 2419

Delta R.T. -0.014 min

Lab File: BG057544.D

Acq: 24 May 2023 21:39

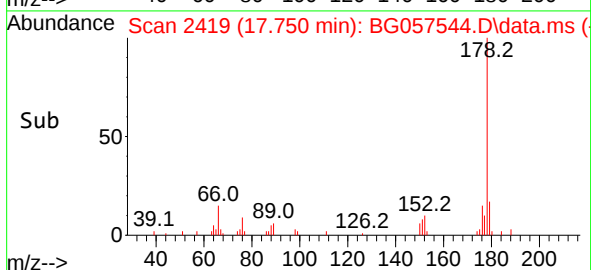
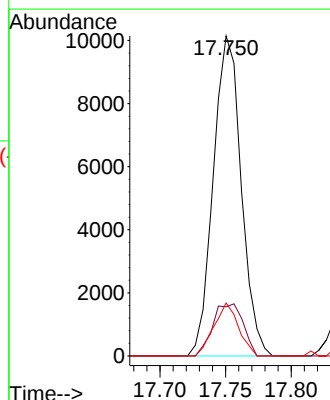
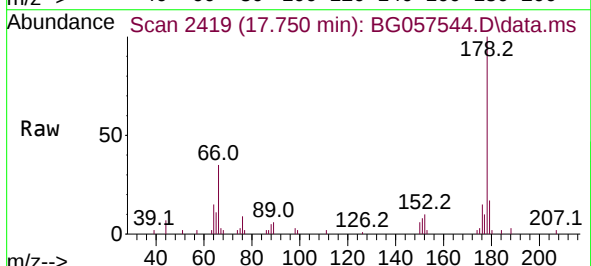
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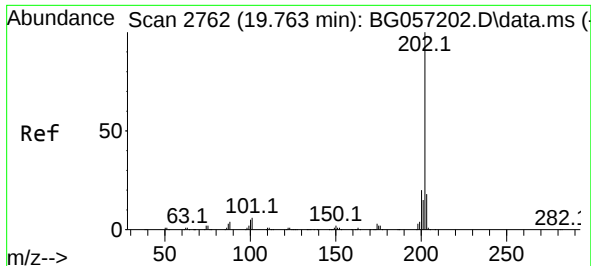
Ion Ratio Lower Upper

178 100

176 15.4 15.4 23.2#

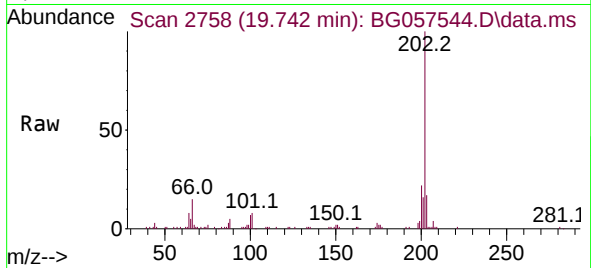
179 16.5 12.3 18.5





#75
Fluoranthene
Concen: 4.985 ng
RT: 19.742 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG057544.D
Acq: 24 May 2023 21:39

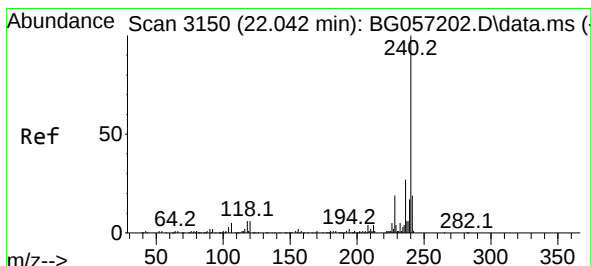
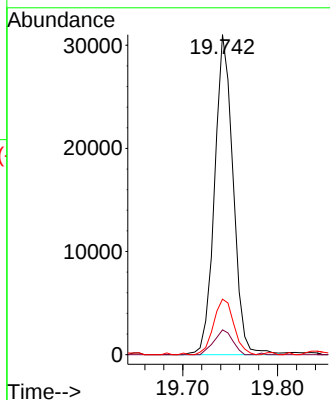
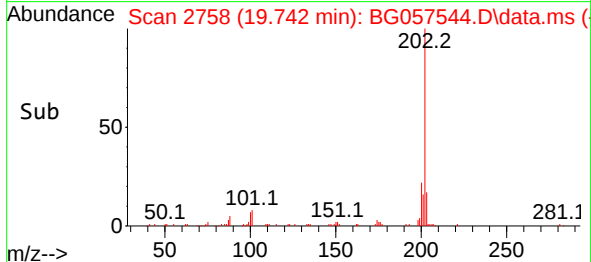
Instrument :
BNA_G
ClientSampleId :
SB06B



Tgt Ion:202 Resp: 4214
Ion Ratio Lower Upper
202 100
101 7.8 0.0 26.2
203 17.4 0.0 37.9

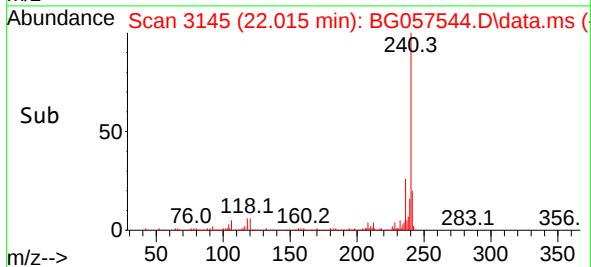
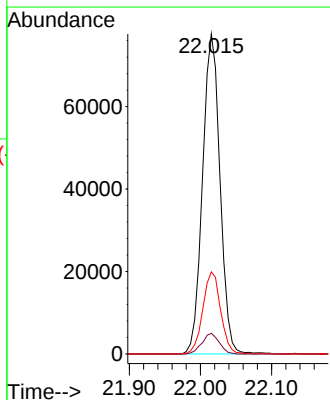
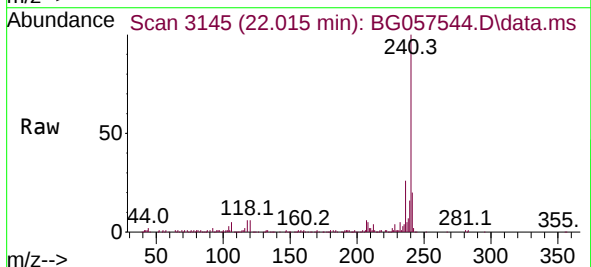
Manual Integrations
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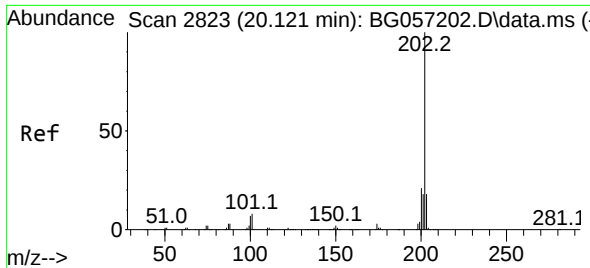
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.015 min Scan# 3145
Delta R.T. -0.020 min
Lab File: BG057544.D
Acq: 24 May 2023 21:39

Tgt Ion:240 Resp: 132711
Ion Ratio Lower Upper
240 100
120 6.5 4.9 7.3
236 25.6 21.4 32.2





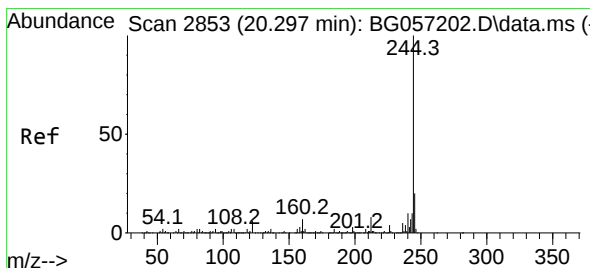
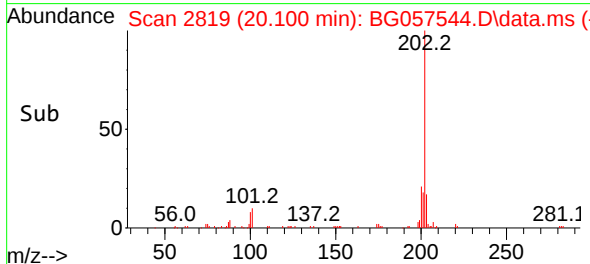
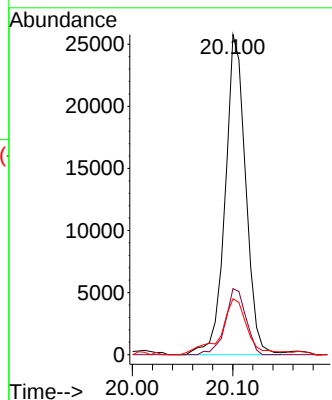
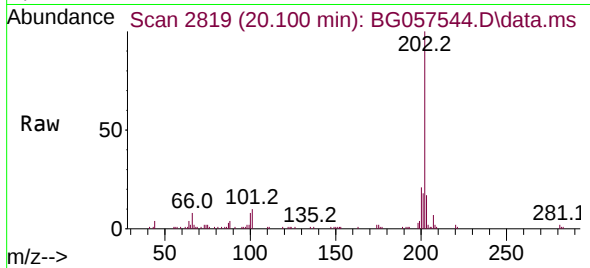
#78
Pyrene
Concen: 3.775 ng
RT: 20.100 min Scan# 2819
Delta R.T. -0.014 min
Lab File: BG057544.D
Acq: 24 May 2023 21:39

Instrument :
BNA_G
ClientSampleId :
SB06B

Tgt Ion:202 Resp: 36400
Ion Ratio Lower Upper
202 100
200 20.6 17.0 25.4
203 17.4 14.2 21.4

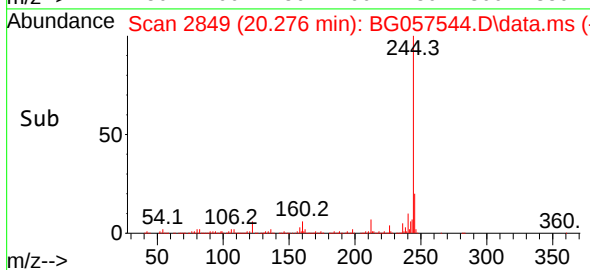
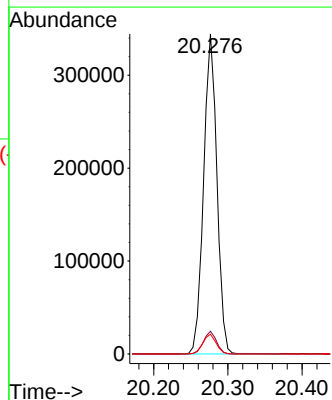
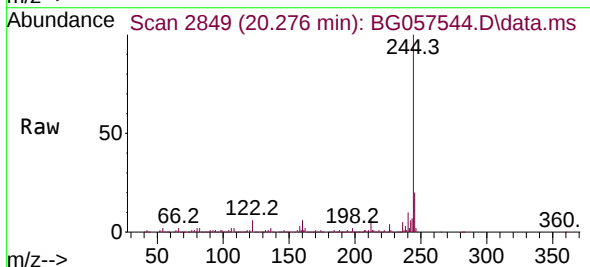
Manual Integrations
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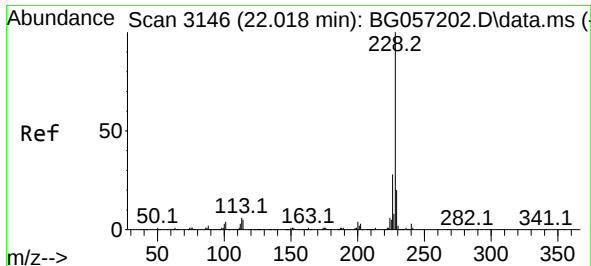
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023



#79
Terphenyl-d14
Concen: 52.702 ng
RT: 20.276 min Scan# 2849
Delta R.T. -0.014 min
Lab File: BG057544.D
Acq: 24 May 2023 21:39

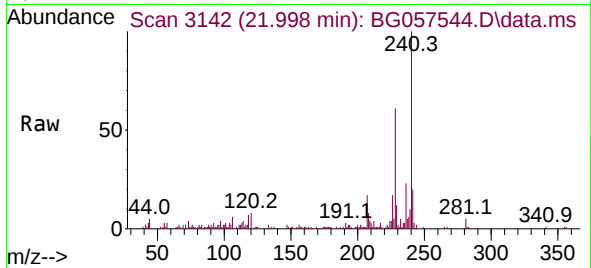
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Ion Ratio Lower Upper
244 100
212 7.1 6.1 9.1
122 6.2 5.1 7.7





#81
Benzo(a)anthracene
Concen: 2.513 ng
RT: 21.998 min Scan# 3146
Delta R.T. -0.014 min
Lab File: BG057544.D
Acq: 24 May 2023 21:39

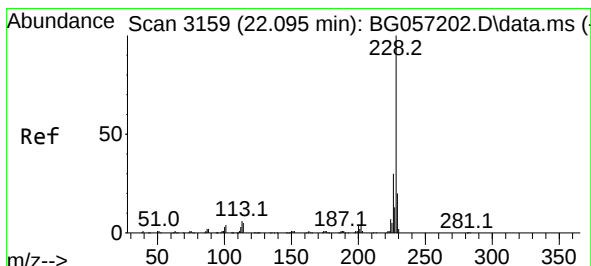
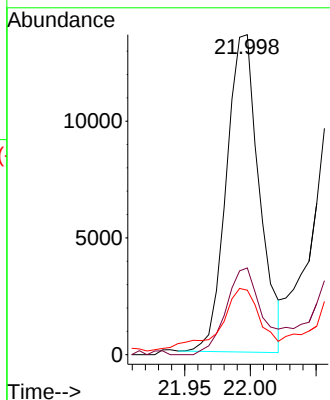
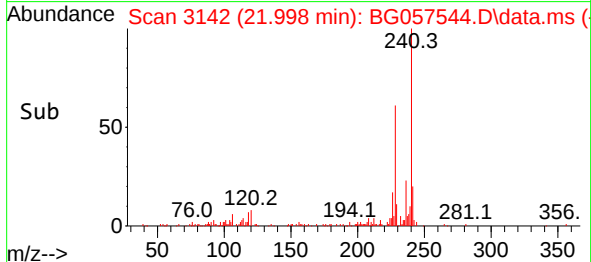
Instrument :
BNA_G
ClientSampleId :
SB06B



Tgt Ion:228 Resp: 2376
Ion Ratio Lower Upper
228 100
226 27.1 22.0 33.0
229 20.2 15.8 23.8

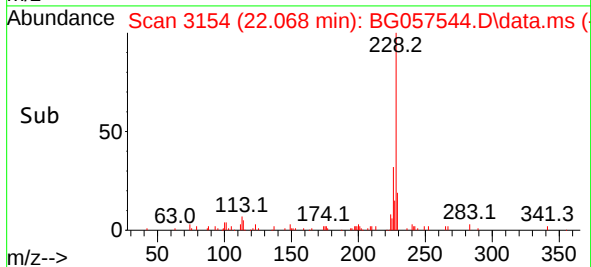
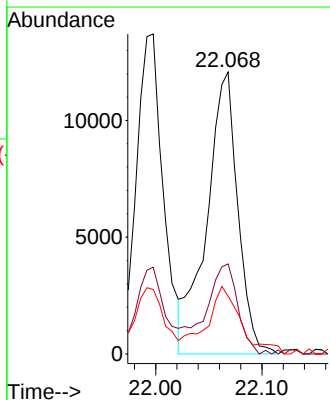
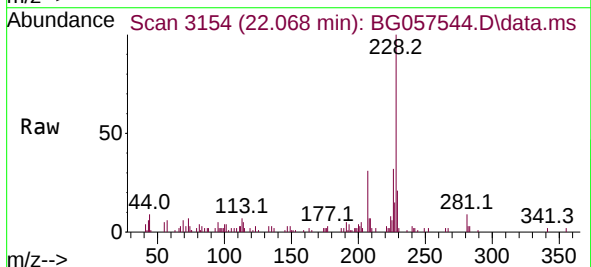
Manual Integrations
APPROVED

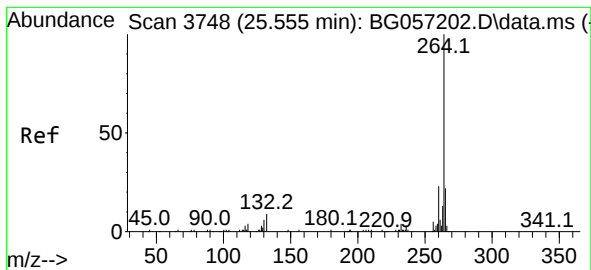
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023



#83
Chrysene
Concen: 2.769 ng m
RT: 22.068 min Scan# 3154
Delta R.T. -0.014 min
Lab File: BG057544.D
Acq: 24 May 2023 21:39

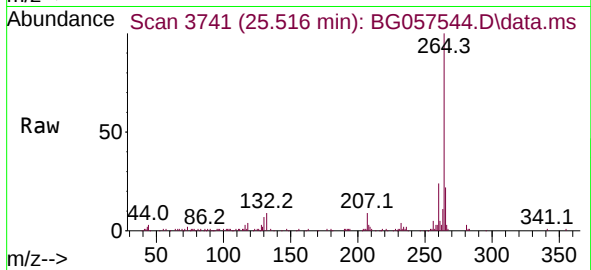
Tgt Ion:228 Resp: 24637
Ion Ratio Lower Upper
228 100
226 32.0 24.3 36.5
229 20.5 15.9 23.9





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.516 min Scan# 31
 Delta R.T. -0.026 min
 Lab File: BG057544.D
 Acq: 24 May 2023 21:39

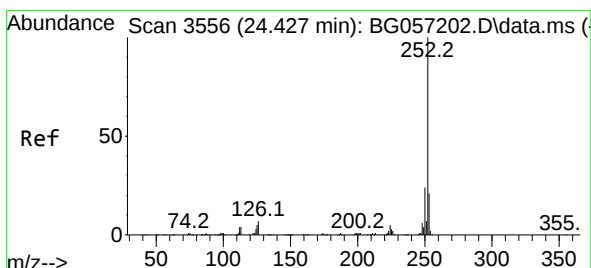
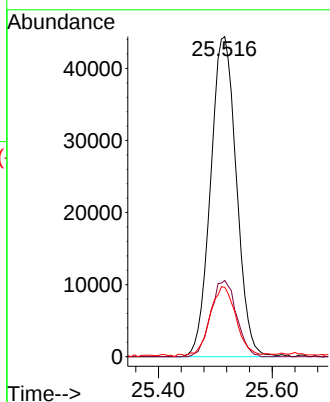
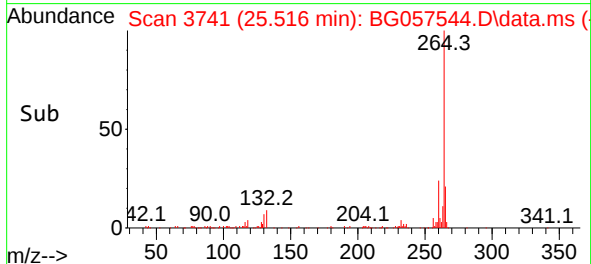
Instrument :
 BNA_G
 ClientSampleId :
 SB06B



Tgt Ion:264 Resp: 13976
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.8 28.2
 265 21.7 17.9 26.9

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/25/2023
 Supervised By :Jagrut Upadhyay 05/25/2023



#88
 Benzo(b)fluoranthene
 Concen: 3.159 ng
 RT: 24.394 min Scan# 3550
 Delta R.T. -0.026 min
 Lab File: BG057544.D
 Acq: 24 May 2023 21:39

Tgt Ion:252 Resp: 28858
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.0 25.6
 125 8.5 4.2 6.2#

