

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
 Data File : BG057484.D
 Acq On : 20 May 2023 2:27
 Operator : CG/JU
 Sample : 02826-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-3-051723

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/22/2023
 Supervised By : Jagrut Upadhyay 05/22/2023

Quant Time: May 20 04:32:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 20 04:19:55 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.358	152	24756	20.000	ng	0.00
21) Naphthalene-d8	11.195	136	97653	20.000	ng	0.00
39) Acenaphthene-d10	14.967	164	65252	20.000	ng	0.00
64) Phenanthrene-d10	17.710	188	143124	20.000	ng	0.00
76) Chrysene-d12	22.016	240	122672	20.000	ng	0.00
86) Perylene-d12	25.523	264	135895	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.873	112	122751	84.819	ng	0.00
7) Phenol-d6	7.500	99	180851	82.294	ng	0.00
23) Nitrobenzene-d5	9.533	82	116542	50.089	ng	0.00
42) 2,4,6-Tribromophenol	16.453	330	75897	81.975	ng	0.00
45) 2-Fluorobiphenyl	13.598	172	285241	58.874	ng	0.00
79) Terphenyl-d14	20.277	244	426297	56.711	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.751	178	25927	3.535	ng	95
75) Fluoranthene	19.743	202	51929	5.693	ng	98
78) Pyrene	20.101	202	51866m	5.818	ng	
81) Benzo(a)anthracene	21.992	228	27344	3.129	ng	# 93
83) Chrysene	22.063	228	30716	3.735	ng	# 88
88) Benzo(b)fluoranthene	24.401	252	41528	4.675	ng	# 75
90) Benzo(a)pyrene	25.353	252	28017	3.228	ng	# 88

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

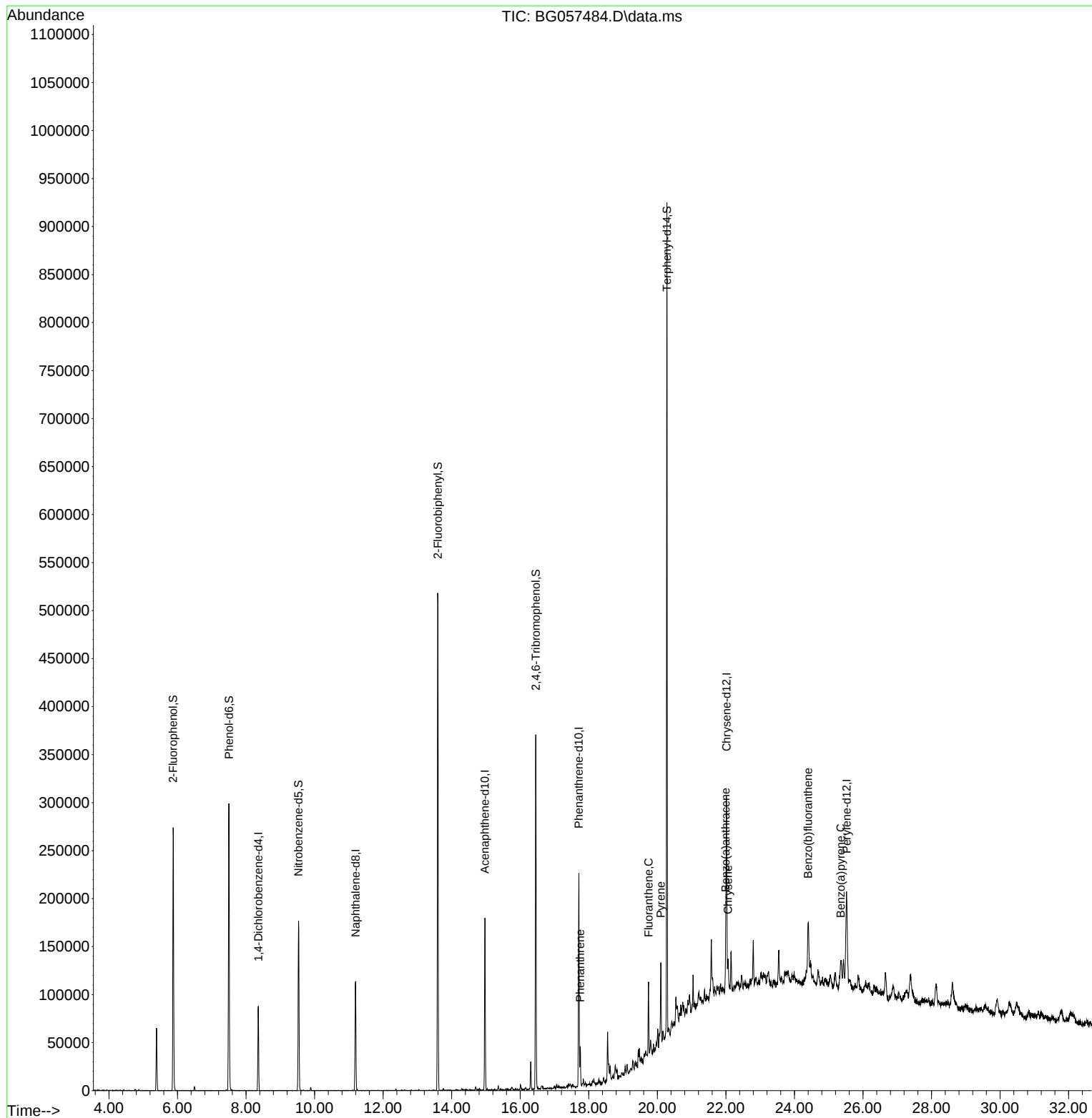
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
Data File : BG057484.D
Acq On : 20 May 2023 2:27
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ALS Vial : 16 Sample Multiplier: 1

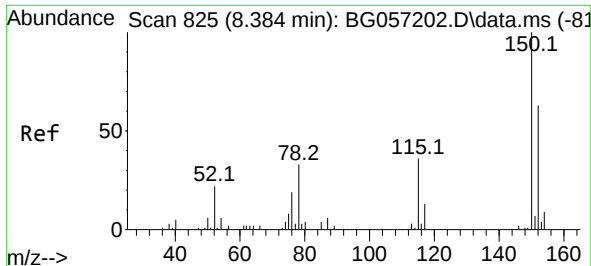
Instrument :
BNA_G
ClientSampleId :
SU-3-051723

Quant Time: May 20 04:32:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat May 20 04:19:55 2023
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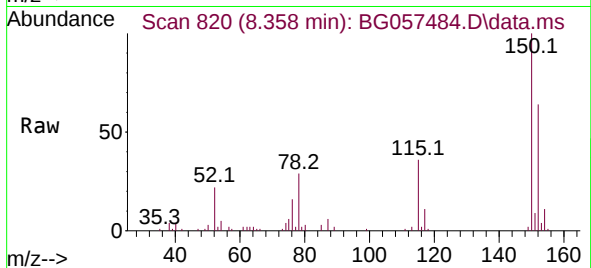
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.358 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG057484.D
Acq: 20 May 2023 2:27

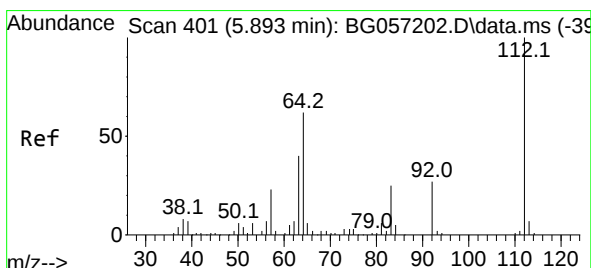
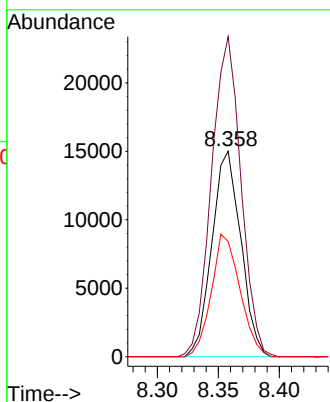
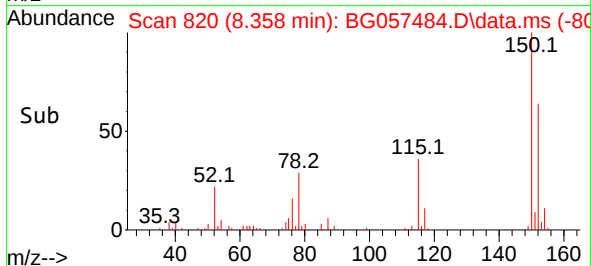
Instrument :
BNA_G
ClientSampleId :
SU-3-051723



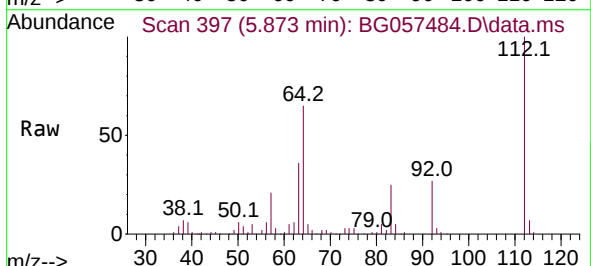
Tgt Ion:152 Resp: 24750
Ion Ratio Lower Upper
152 100
150 155.7 126.2 189.4
115 56.0 45.0 67.4

Manual Integrations
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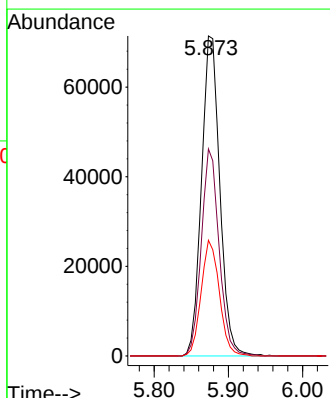
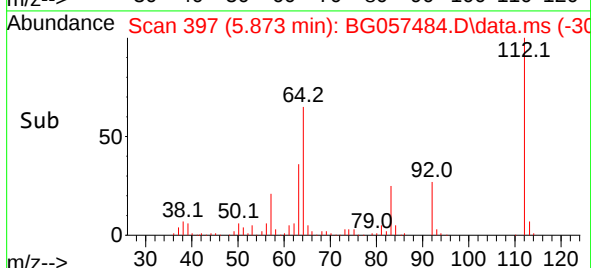
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023

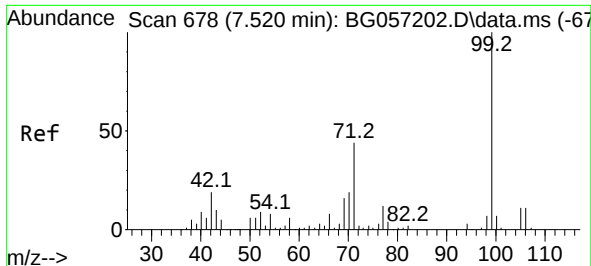


#5
2-Fluorophenol
Concen: 84.819 ng
RT: 5.873 min Scan# 397
Delta R.T. 0.002 min
Lab File: BG057484.D
Acq: 20 May 2023 2:27



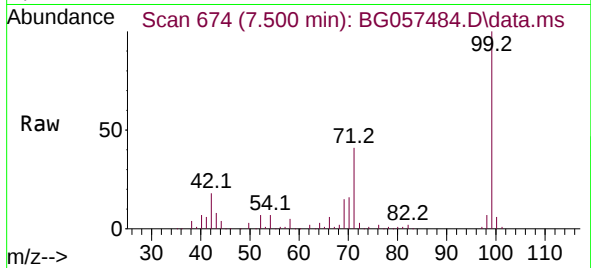
Tgt Ion:112 Resp: 122751
Ion Ratio Lower Upper
112 100
64 64.7 49.4 74.2
63 36.1 31.6 47.4





#7
Phenol-d6
Concen: 82.294 ng
RT: 7.500 min Scan# 61
Delta R.T. 0.002 min
Lab File: BG057484.D
Acq: 20 May 2023 2:27

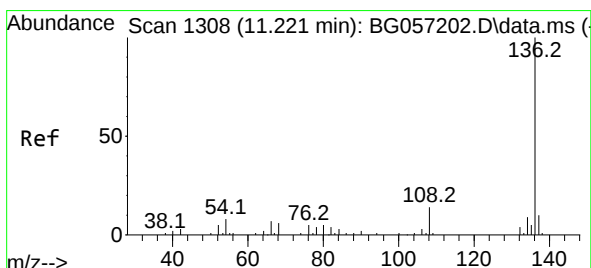
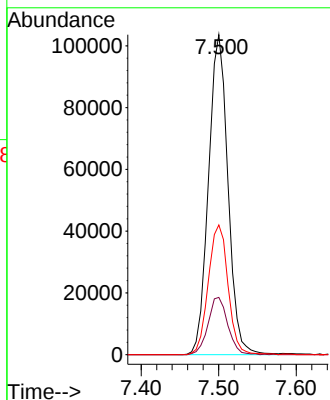
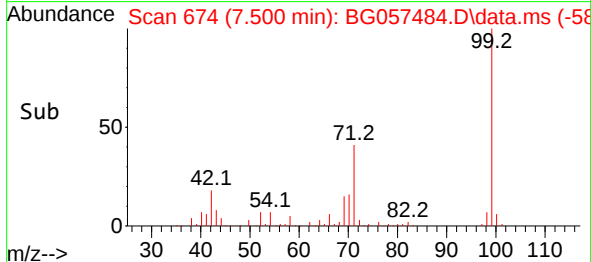
Instrument :
BNA_G
ClientSampleId :
SU-3-051723



Tgt Ion: 99 Resp: 18085
Ion Ratio Lower Upper
99 100
42 17.9 15.1 22.7
71 40.5 35.2 52.8

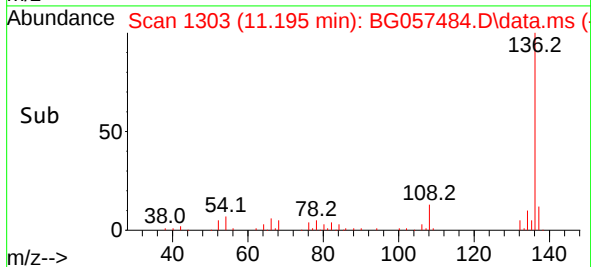
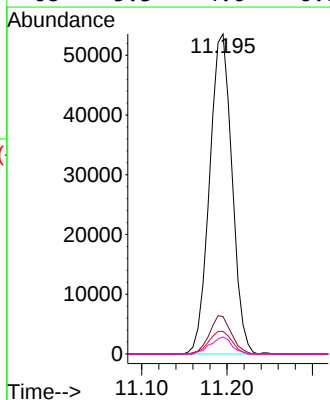
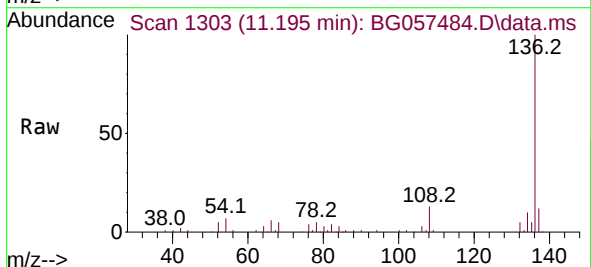
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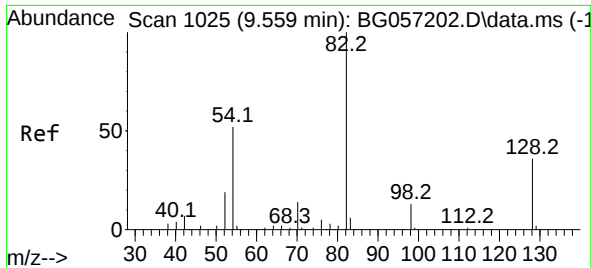
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.195 min Scan# 1303
Delta R.T. -0.004 min
Lab File: BG057484.D
Acq: 20 May 2023 2:27

Tgt Ion:136 Resp: 97653
Ion Ratio Lower Upper
136 100
137 11.7 8.3 12.5
54 7.0 6.7 10.1
68 5.3 4.6 6.8





#23
Nitrobenzene-d5
Concen: 50.089 ng
RT: 9.533 min Scan# 1020
Delta R.T. -0.004 min
Lab File: BG057484.D
Acq: 20 May 2023 2:27

Instrument :

BNA_G

ClientSampleId :

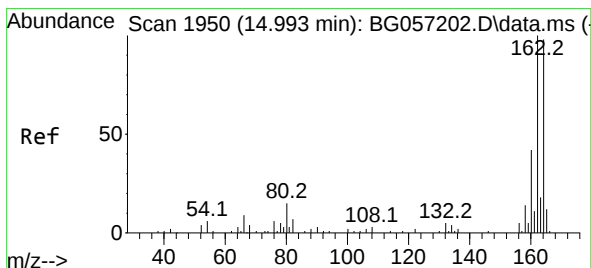
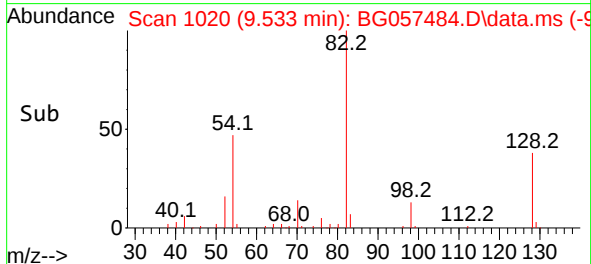
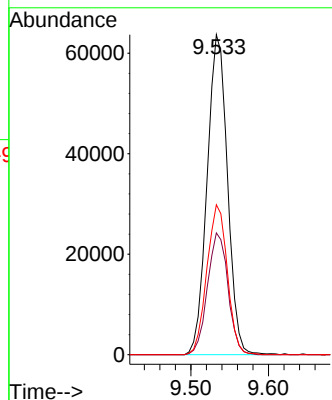
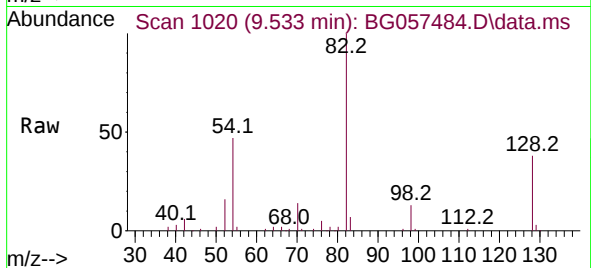
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Tgt Ion: 82 Resp: 11654
Ion Ratio Lower Upper
82 100
128 38.0 29.0 43.4
54 46.9 41.4 62.0

Manual Integrations

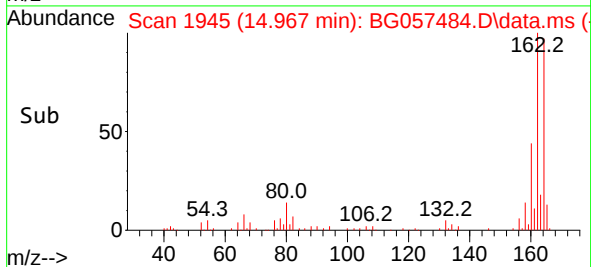
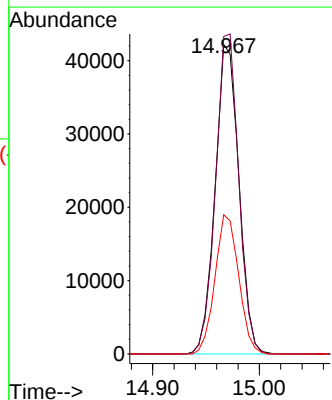
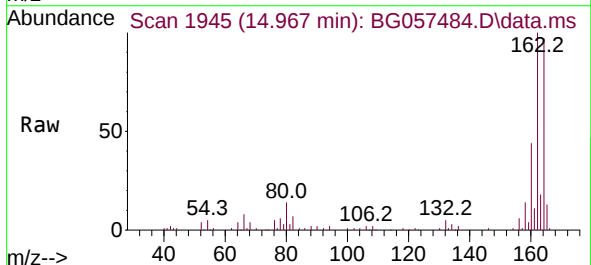
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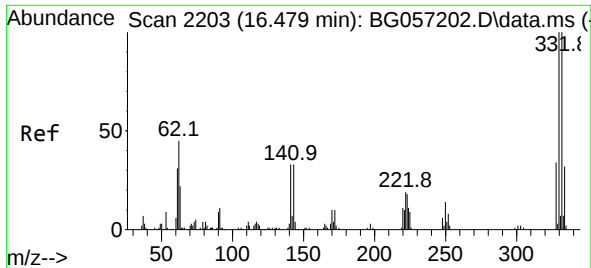
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.967 min Scan# 1945
Delta R.T. -0.010 min
Lab File: BG057484.D
Acq: 20 May 2023 2:27

Tgt Ion:164 Resp: 65252
Ion Ratio Lower Upper
164 100
162 102.6 81.8 122.6
160 45.0 34.6 52.0





#42
2,4,6-Tribromophenol
Concen: 81.975 ng
RT: 16.453 min Scan# 2119
Delta R.T. -0.004 min
Lab File: BG057484.D
Acq: 20 May 2023 2:27

Instrument :

BNA_G

ClientSampleId :

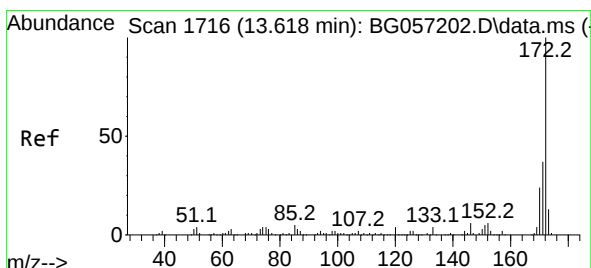
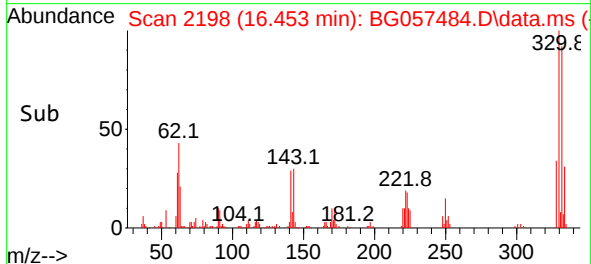
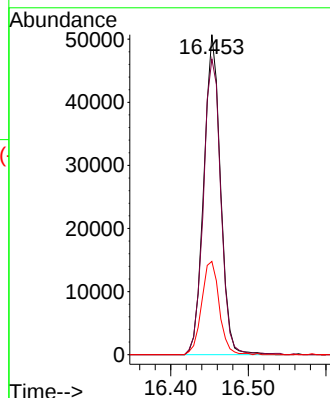
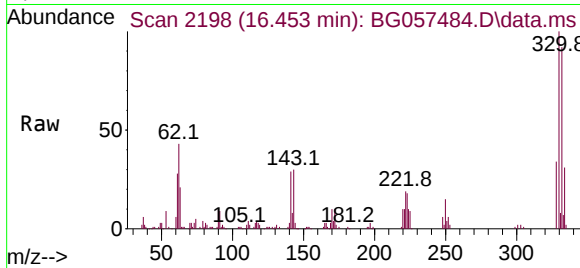
SU-3-051723

Tgt Ion:330 Resp: 7589
Ion Ratio Lower Upper
330 100
332 96.7 78.2 117.2
141 30.9 27.8 41.8

Manual Integrations

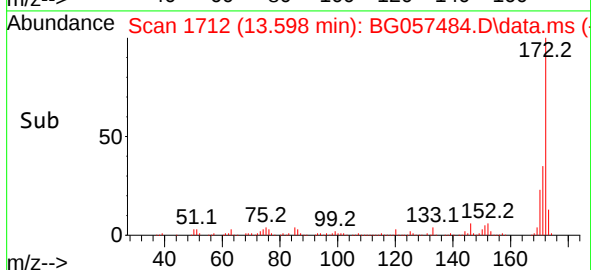
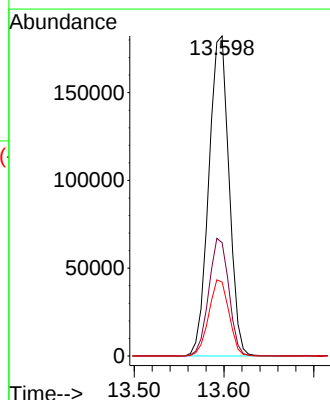
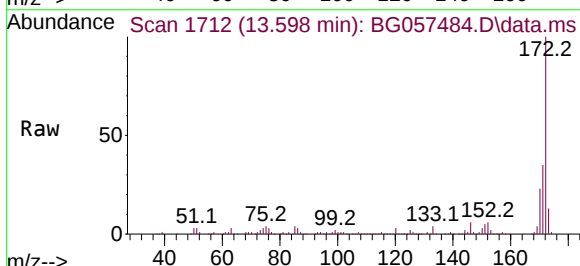
APPROVED

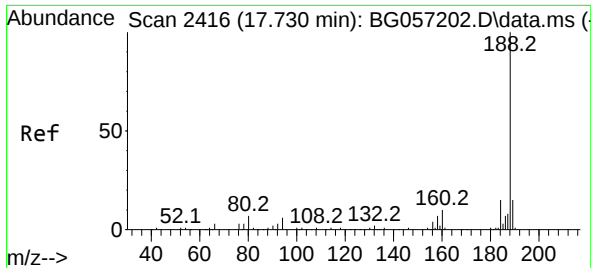
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#45
2-Fluorobiphenyl
Concen: 58.874 ng
RT: 13.598 min Scan# 1712
Delta R.T. -0.004 min
Lab File: BG057484.D
Acq: 20 May 2023 2:27

Tgt Ion:172 Resp: 285241
Ion Ratio Lower Upper
172 100
171 35.4 29.4 44.0
170 23.1 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.710 min Scan# 2416
Delta R.T. -0.004 min
Lab File: BG057484.D
Acq: 20 May 2023 2:27

Instrument :

BNA_G

ClientSampleId :

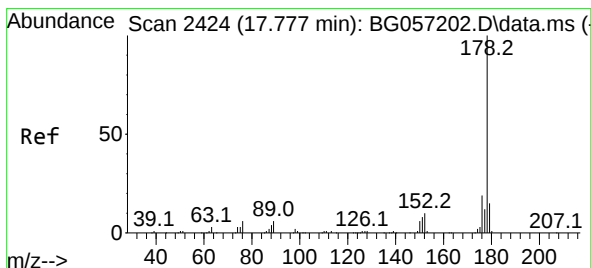
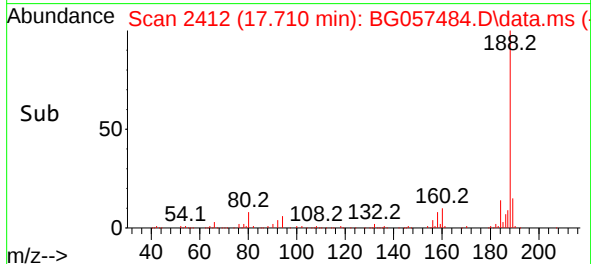
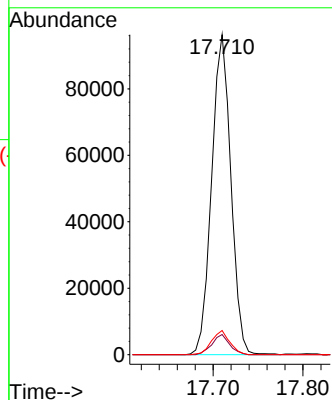
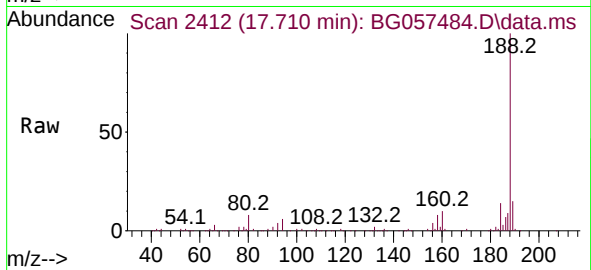
SU-3-051723

Tgt Ion:188 Resp: 143124
Ion Ratio Lower Upper
188 100
94 6.3 5.1 7.7
80 7.6 5.7 8.5

Manual Integrations

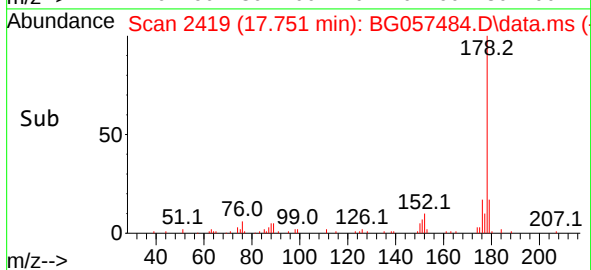
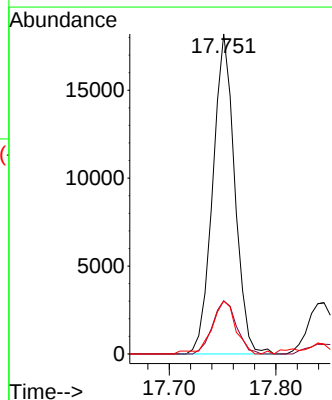
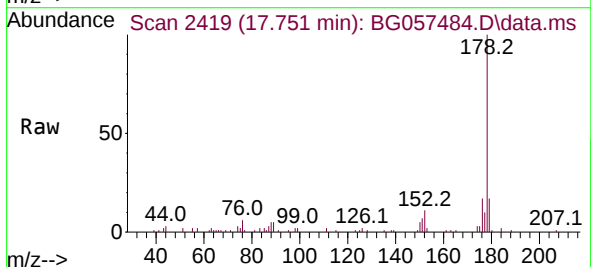
APPROVED

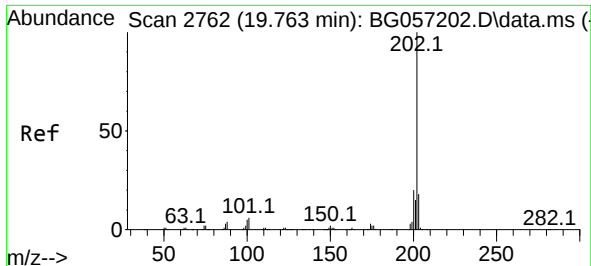
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#71
Phenanthrene
Concen: 3.535 ng
RT: 17.751 min Scan# 2419
Delta R.T. -0.004 min
Lab File: BG057484.D
Acq: 20 May 2023 2:27

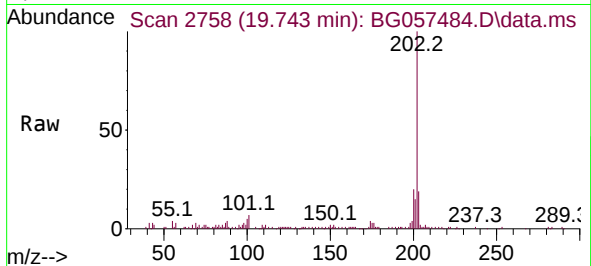
Tgt Ion:178 Resp: 25927
Ion Ratio Lower Upper
178 100
176 16.6 15.4 23.2
179 16.5 12.3 18.5





#75
Fluoranthene
Concen: 5.693 ng
RT: 19.743 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG057484.D
Acq: 20 May 2023 2:27

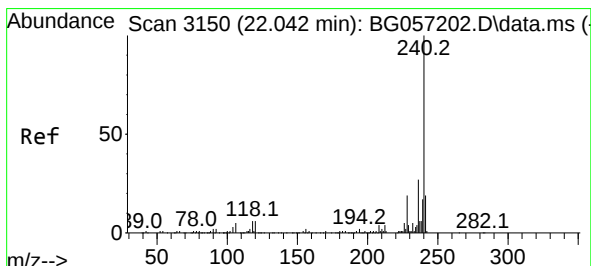
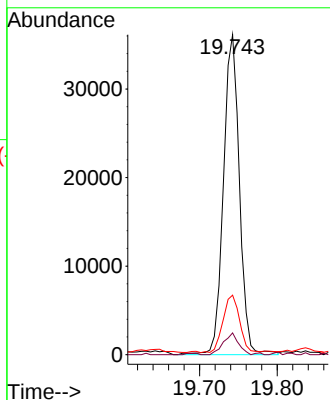
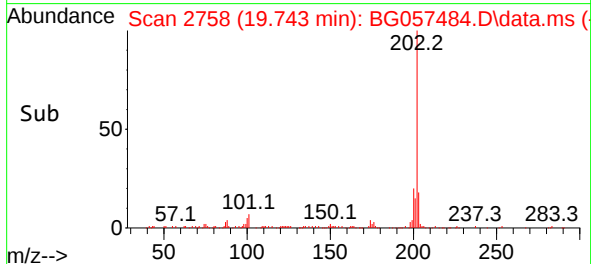
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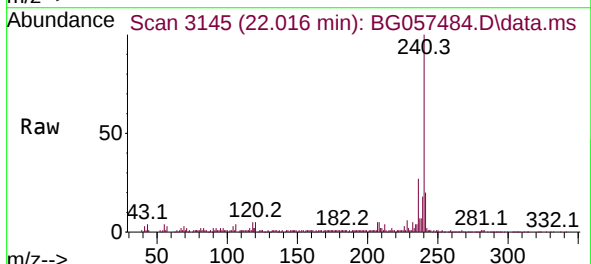
Tgt Ion:202 Resp: 51929
Ion Ratio Lower Upper
202 100
101 6.8 0.0 26.2
203 18.6 0.0 37.9

Manual Integrations
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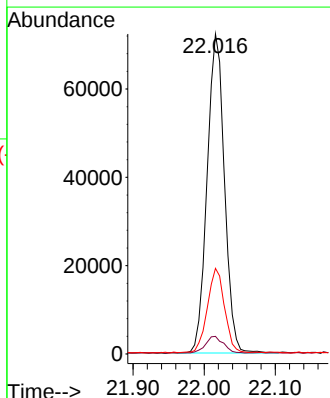
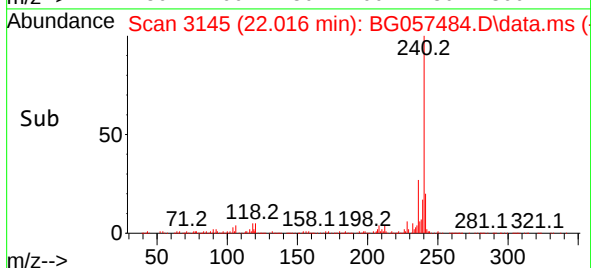
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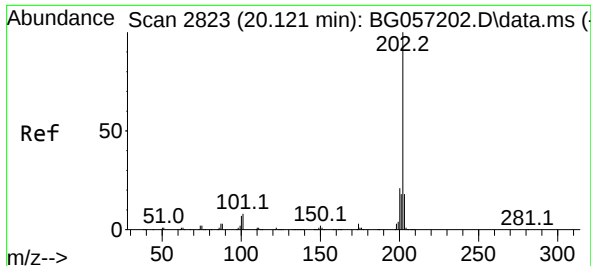


#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.016 min Scan# 3145
Delta R.T. -0.004 min
Lab File: BG057484.D
Acq: 20 May 2023 2:27



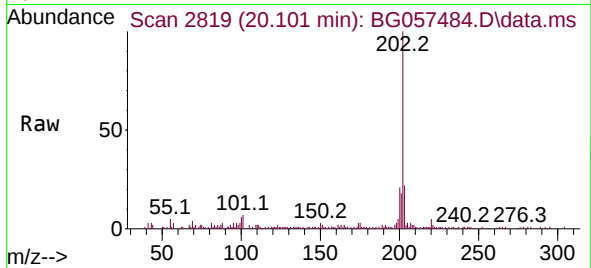
Tgt Ion:240 Resp: 122672
Ion Ratio Lower Upper
240 100
120 5.5 4.9 7.3
236 26.7 21.4 32.2





#78
Pyrene
Concen: 5.818 ng m
RT: 20.101 min Scan# 2819
Delta R.T. -0.004 min
Lab File: BG057484.D
Acq: 20 May 2023 2:27

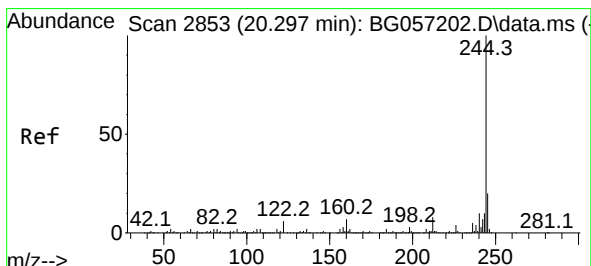
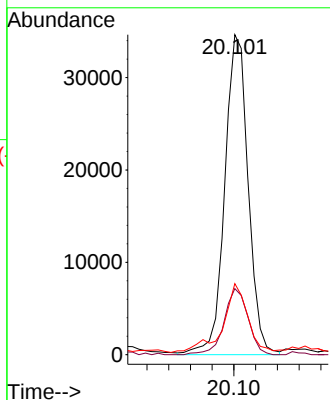
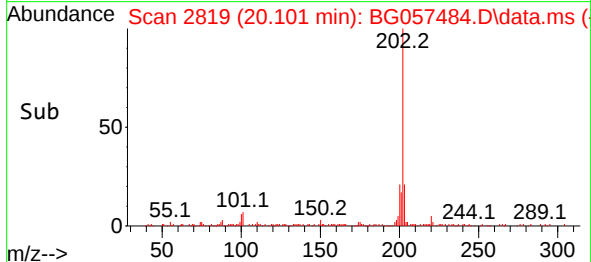
Instrument :
BNA_G
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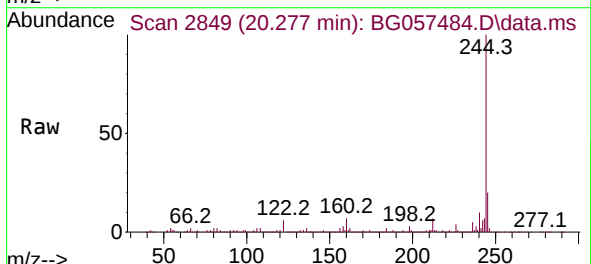
Tgt Ion:202 Resp: 51860
Ion Ratio Lower Upper
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200 20.7 17.0 25.4
203 22.2 14.2 21.4

Manual Integrations
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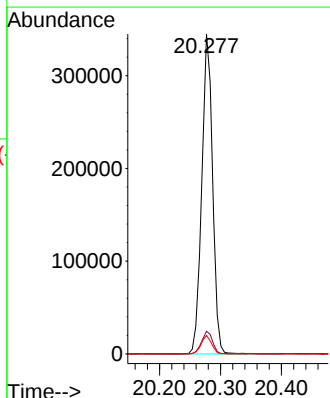
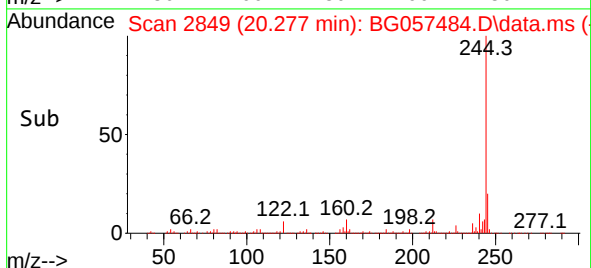
Reviewed By :Christian Giraldo 05/22/2023
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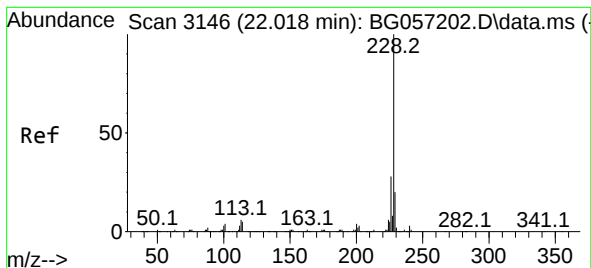


#79
Terphenyl-d14
Concen: 56.711 ng
RT: 20.277 min Scan# 2849
Delta R.T. -0.004 min
Lab File: BG057484.D
Acq: 20 May 2023 2:27



Tgt Ion:244 Resp: 426297
Ion Ratio Lower Upper
244 100
212 7.1 6.1 9.1
122 5.7 5.1 7.7





#81

Benzo(a)anthracene

Concen: 3.129 ng

RT: 21.992 min Scan# 3146

Delta R.T. -0.004 min

Lab File: BG057484.D

Acq: 20 May 2023 2:27

Instrument :

BNA_G

ClientSampleId :

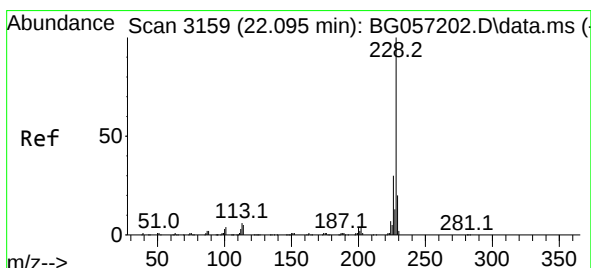
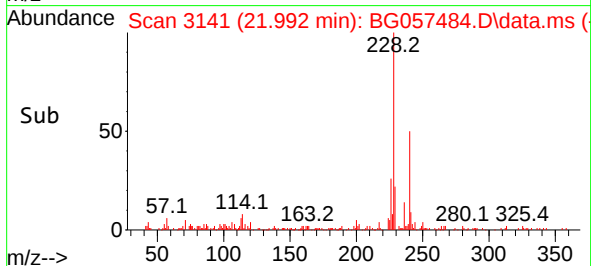
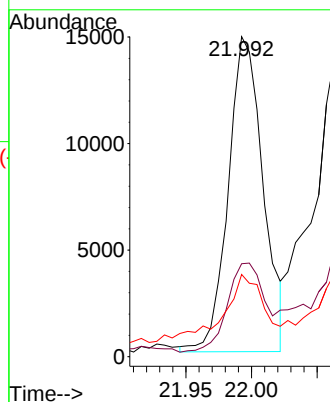
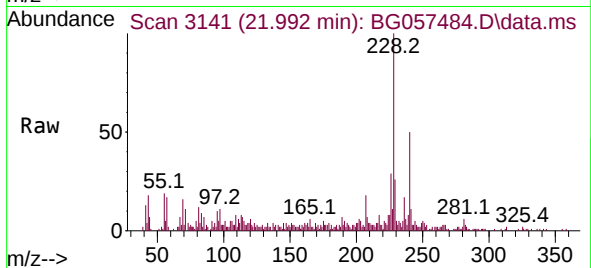
SU-3-051723

Tgt Ion:228 Resp: 27344
 Ion Ratio Lower Upper
 228 100
 226 29.1 22.0 33.0
 229 25.7 15.8 23.8

Manual Integrations

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Reviewed By :Christian Giraldo 05/22/2023
 Supervised By :Jagrut Upadhyay 05/22/2023



#83

Chrysene

Concen: 3.735 ng

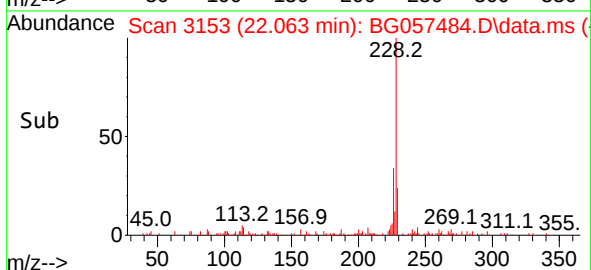
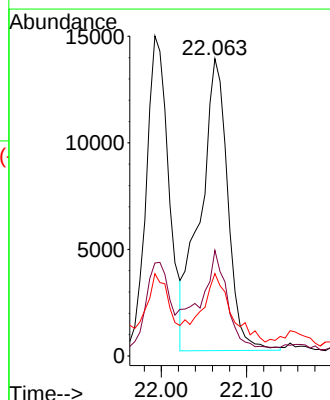
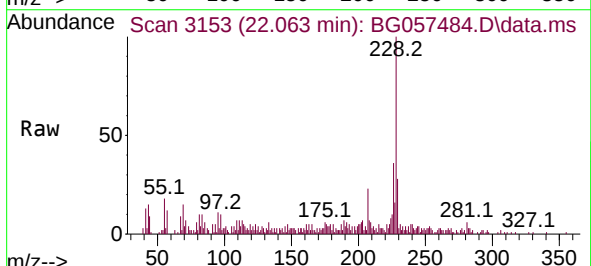
RT: 22.063 min Scan# 3153

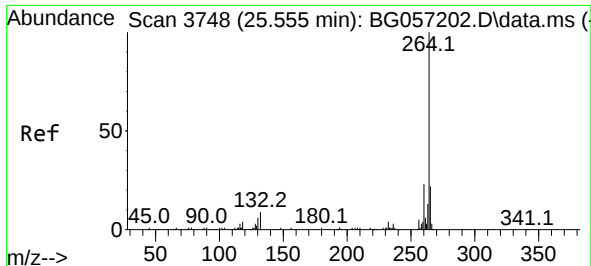
Delta R.T. -0.010 min

Lab File: BG057484.D

Acq: 20 May 2023 2:27

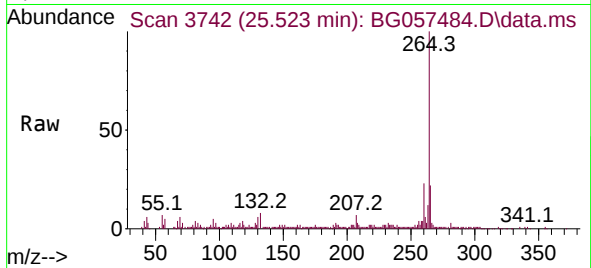
Tgt Ion:228 Resp: 30716
 Ion Ratio Lower Upper
 228 100
 226 35.5 24.3 36.5
 229 27.7 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.523 min Scan# 31
Delta R.T. 0.008 min
Lab File: BG057484.D
Acq: 20 May 2023 2:27

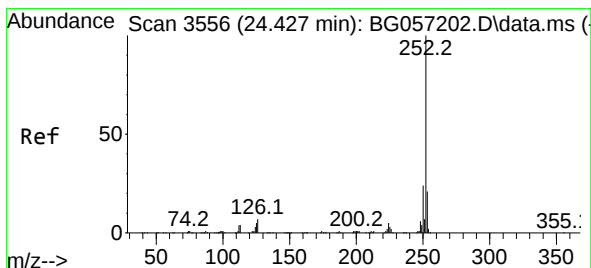
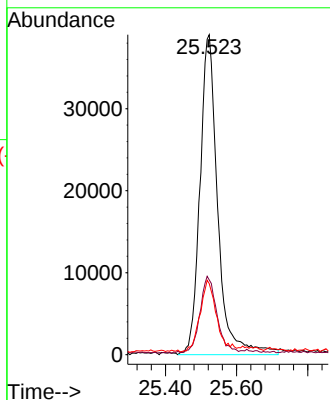
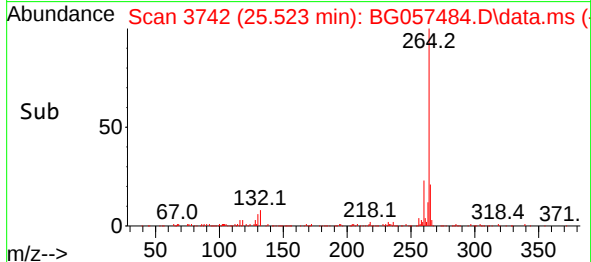
Instrument :
BNA_G
ClientSampleId :
SU-3-051723



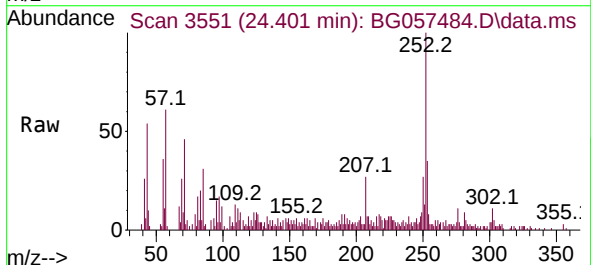
Tgt Ion:264 Resp: 13589
Ion Ratio Lower Upper
264 100
260 23.3 18.8 28.2
265 22.2 17.9 26.9

Manual Integrations
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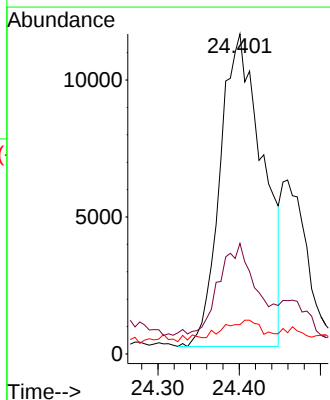
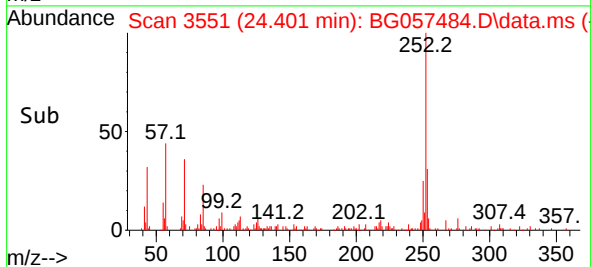
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023

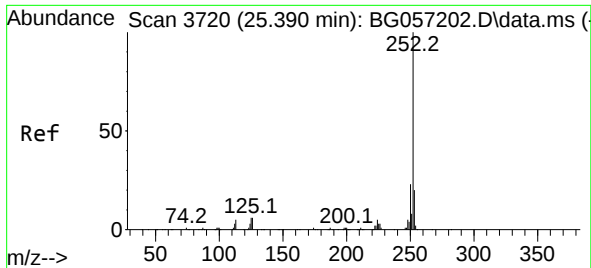


#88
Benzo(b)fluoranthene
Concen: 4.675 ng
RT: 24.401 min Scan# 3551
Delta R.T. 0.008 min
Lab File: BG057484.D
Acq: 20 May 2023 2:27



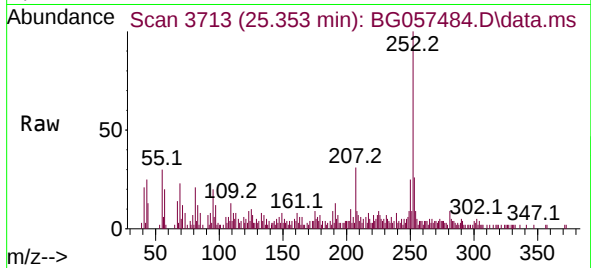
Tgt Ion:252 Resp: 41528
Ion Ratio Lower Upper
252 100
253 34.5 17.0 25.6#
125 9.1 4.2 6.2#





#90
Benzo(a)pyrene
Concen: 3.228 ng
RT: 25.353 min Scan# 31
Delta R.T. -0.004 min
Lab File: BG057484.D
Acq: 20 May 2023 2:27

Instrument :
BNA_G
ClientSampleId :
SU-3-051723



Tgt Ion:252 Resp: 2801
Ion Ratio Lower Upper
252 100
253 26.3 16.3 24.5
125 9.5 5.0 7.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023

