

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020823\
 Data File : BG056593.D
 Acq On : 8 Feb 2023 22:45
 Operator : CG/JU
 Sample : 01481-15 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JPP-48-020723

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/09/2023
 Supervised By : Jagrut Upadhyay 02/09/2023

Quant Time: Feb 09 02:09:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 08 03:02:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.267	152	43140	20.000	ng	0.00
21) Naphthalene-d8	11.099	136	163079	20.000	ng	0.00
39) Acenaphthene-d10	14.894	164	114713	20.000	ng	0.00
64) Phenanthrene-d10	17.632	188	256902	20.000	ng	0.00
76) Chrysene-d12	21.927	240	239149	20.000	ng	0.00
86) Perylene-d12	25.364	264	248797	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.793	112	114115	48.661	ng	0.00
7) Phenol-d6	7.421	99	154645	44.506	ng	0.00
23) Nitrobenzene-d5	9.448	82	84671	29.483	ng	0.00
42) 2,4,6-Tribromophenol	16.375	330	60668	39.781	ng	0.00
45) 2-Fluorobiphenyl	13.514	172	271286	32.788	ng	0.00
79) Terphenyl-d14	20.206	244	420962	30.916	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.953	154	43068	6.864	ng	99
55) Dibenzofuran	15.282	168	28956	2.573	ng	95
58) Fluorene	15.934	166	45843	5.120	ng	97
71) Phenanthrene	17.679	178	990204	73.644	ng	99
72) Anthracene	17.767	178	239829	17.376	ng	99
73) Carbazole	18.032	167	50372	4.285	ng	96
75) Fluoranthene	19.677	202	1806638	106.460	ng	97
78) Pyrene	20.035	202	1759454	103.444	ng	96
81) Benzo(a)anthracene	21.910	228	1013168	60.599	ng	98
83) Chrysene	21.980	228	914554	58.224	ng	98
87) Indeno(1,2,3-cd)pyrene	29.319	276	417798	22.940	ng	# 92
88) Benzo(b)fluoranthene	24.277	252	1194388	77.344	ng	98
89) Benzo(k)fluoranthene	24.336	252	416029m	26.683	ng	
90) Benzo(a)pyrene	25.206	252	922370	60.635	ng	99
91) Dibenzo(a,h)anthracene	29.354	278	106818	6.987	ng	# 91
92) Benzo(g,h,i)perylene	30.564	276	386750m	26.219	ng	

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

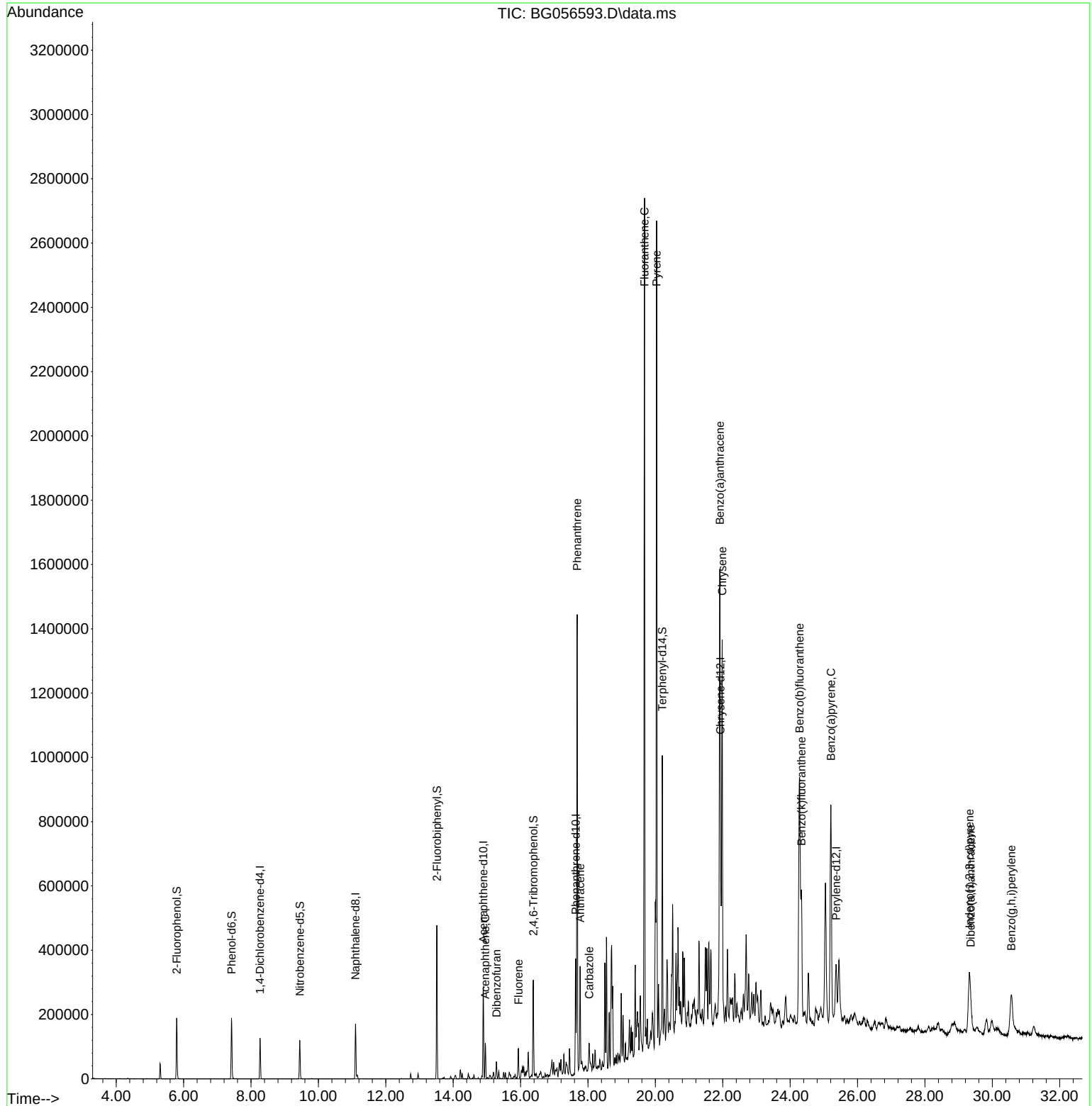
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020823\
Data File : BG056593.D
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ALS Vial : 16 Sample Multiplier: 1

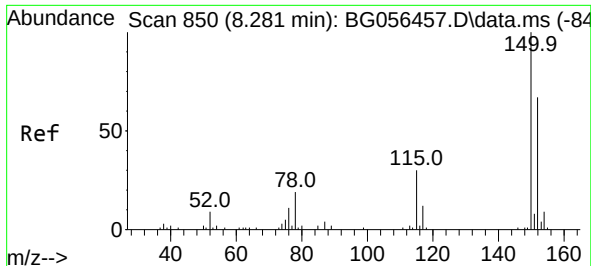
Instrument :
BNA_G
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JPP-48-020723

Quant Time: Feb 09 02:09:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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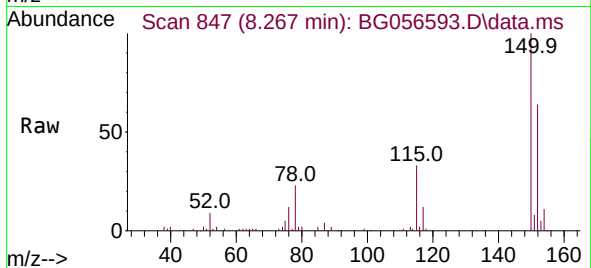
Reviewed By : Christian Giraldo 02/09/2023
Supervised By : Jagrut Upadhyay 02/09/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.267 min Scan# 84
Delta R.T. -0.002 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45

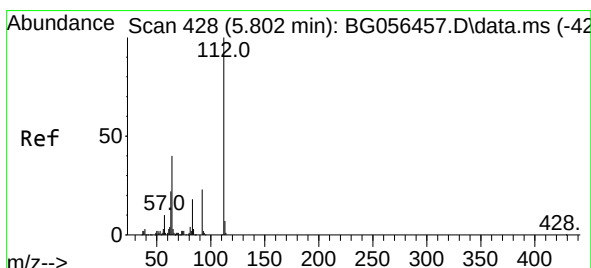
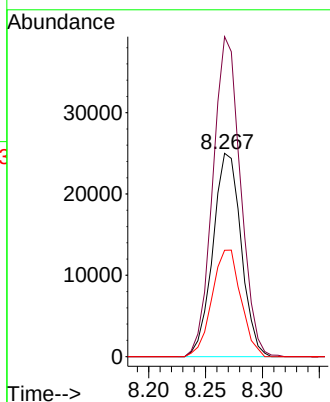
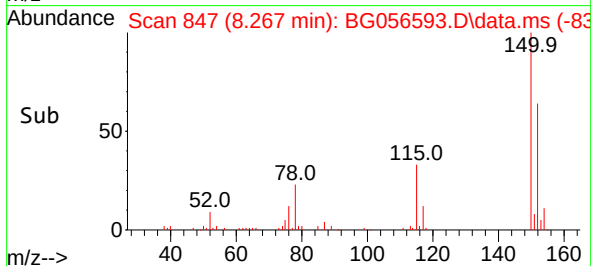
Instrument :
BNA_G
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JPP-48-020723



Tgt Ion:152 Resp: 43140
Ion Ratio Lower Upper
152 100
150 157.4 120.2 180.4
115 52.3 36.3 54.5

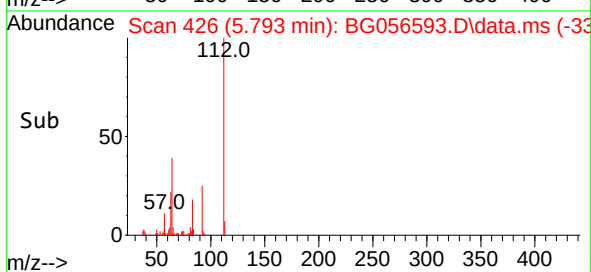
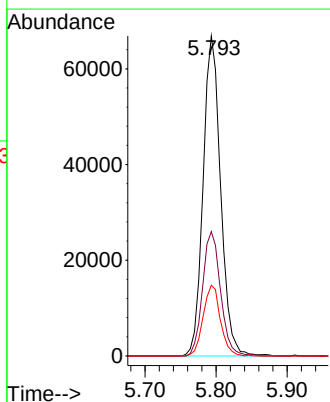
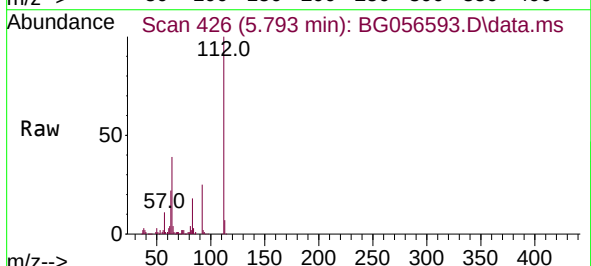
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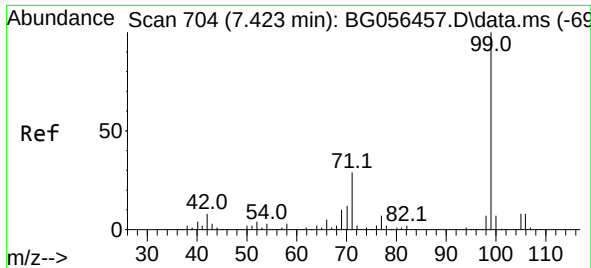
Reviewed By :Christian Giraldo 02/09/2023
Supervised By :Jagrut Upadhyay 02/09/2023



#5
2-Fluorophenol
Concen: 48.661 ng
RT: 5.793 min Scan# 426
Delta R.T. 0.003 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45

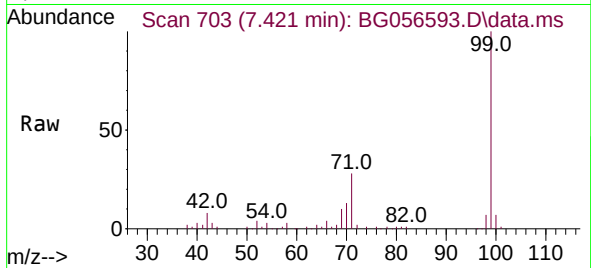
Tgt Ion:112 Resp: 114115
Ion Ratio Lower Upper
112 100
64 38.8 31.9 47.9
63 22.1 17.4 26.0





#7
Phenol-d6
Concen: 44.506 ng
RT: 7.421 min Scan# 704
Delta R.T. 0.003 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45

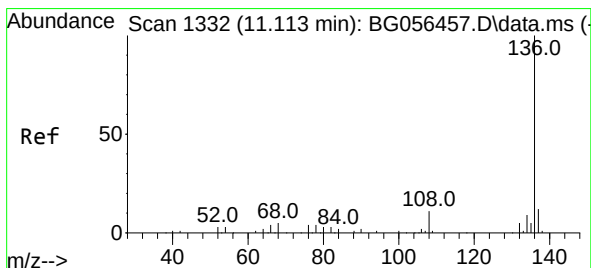
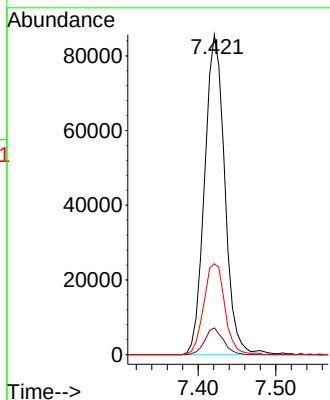
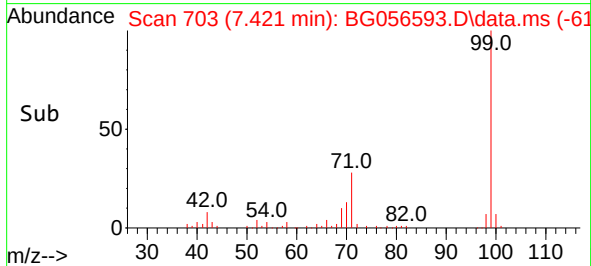
Instrument :
BNA_G
ClientSampleId :
JPP-48-020723



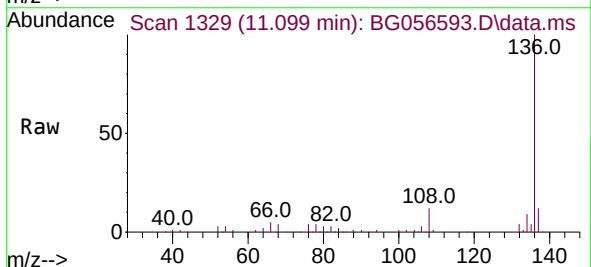
Tgt Ion: 99 Resp: 154645
Ion Ratio Lower Upper
99 100
42 8.3 6.6 10.0
71 28.4 23.4 35.0

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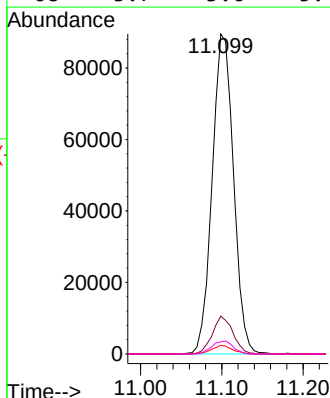
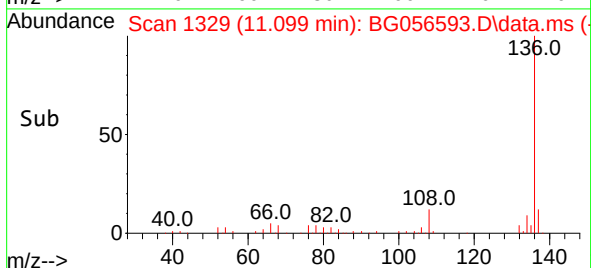
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Supervised By :Jagrut Upadhyay 02/09/2023

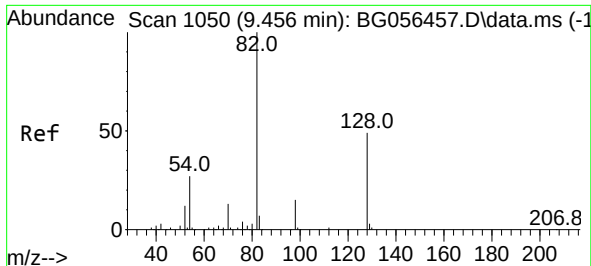


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.099 min Scan# 1329
Delta R.T. -0.003 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45



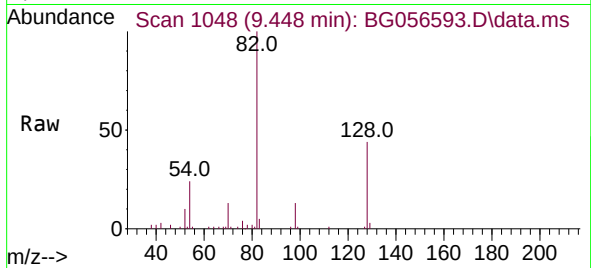
Tgt Ion:136 Resp: 163079
Ion Ratio Lower Upper
136 100
137 11.8 9.4 14.0
54 2.7 2.2 3.4
68 3.7 3.6 5.4





#23
Nitrobenzene-d5
Concen: 29.483 ng
RT: 9.448 min Scan# 1048
Delta R.T. 0.003 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45

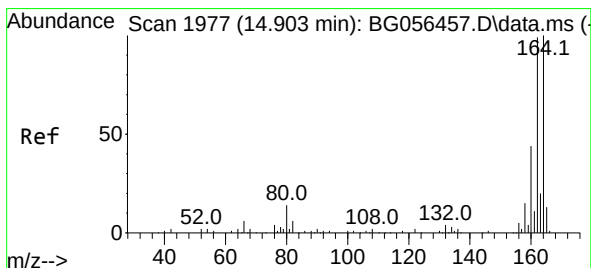
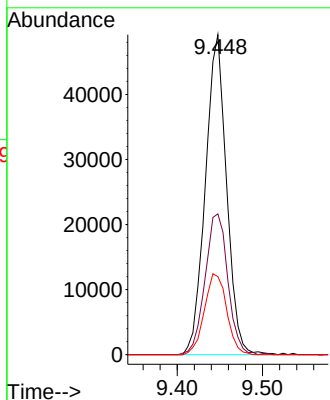
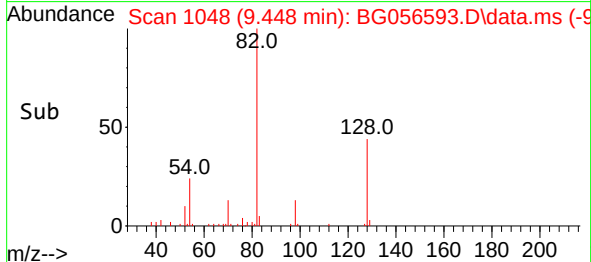
Instrument :
BNA_G
ClientSampleId :
JPP-48-020723



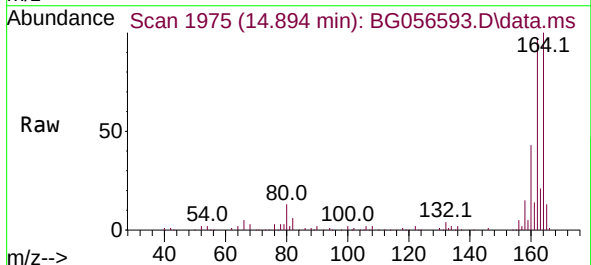
Tgt Ion: 82 Resp: 8467
Ion Ratio Lower Upper
82 100
128 44.0 39.4 59.2
54 24.4 21.4 32.2

Manual Integrations
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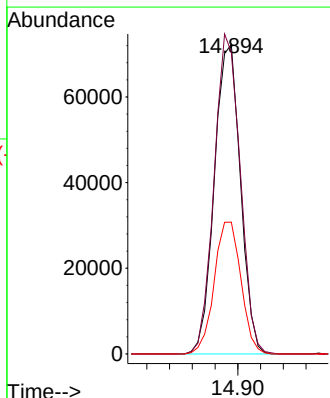
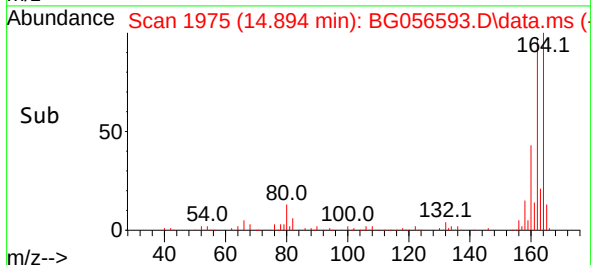
Reviewed By :Christian Giraldo 02/09/2023
Supervised By :Jagrut Upadhyay 02/09/2023

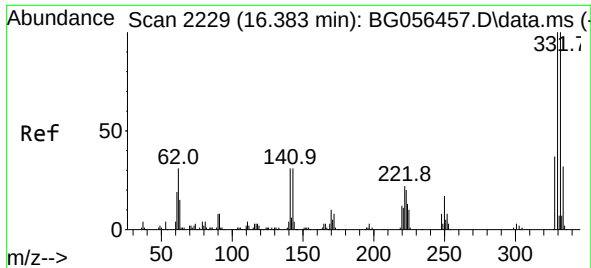


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.894 min Scan# 1975
Delta R.T. 0.003 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45



Tgt Ion:164 Resp: 114713
Ion Ratio Lower Upper
164 100
162 97.4 79.6 119.4
160 42.6 34.9 52.3





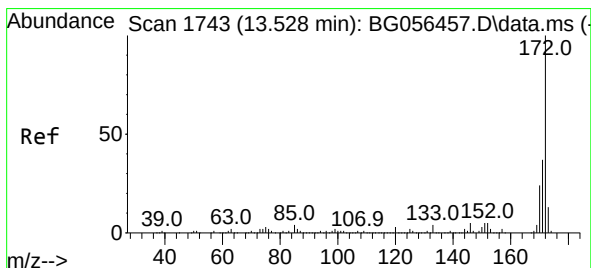
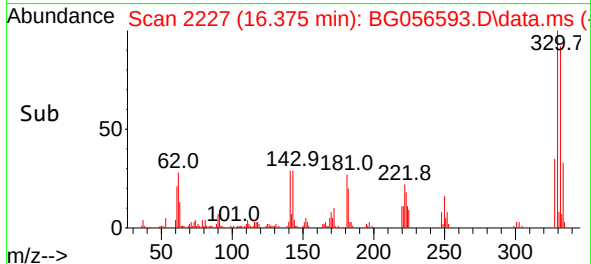
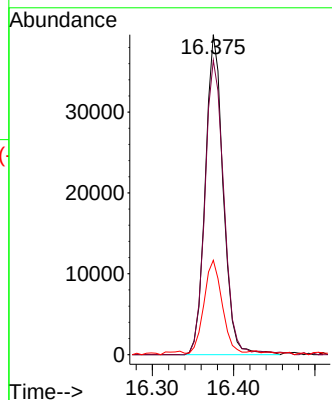
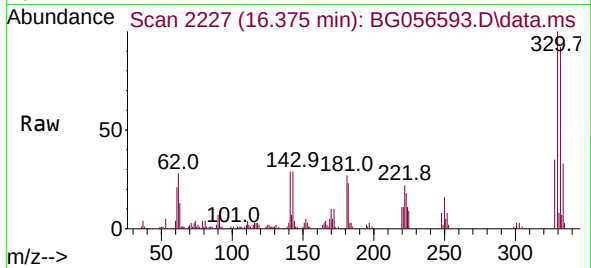
#42
2,4,6-Tribromophenol
Concen: 39.781 ng
RT: 16.375 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45

Instrument :
BNA_G
ClientSampleId :
JPP-48-020723

Tgt Ion:330 Resp: 60668
Ion Ratio Lower Upper
330 100
332 97.6 79.0 118.6
141 30.5 24.2 36.4

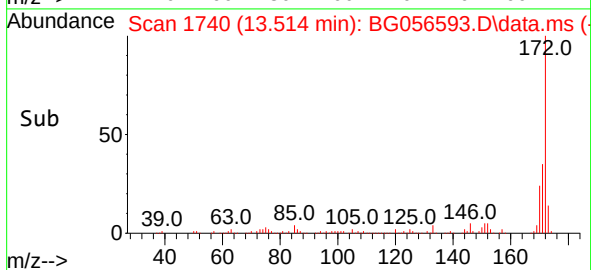
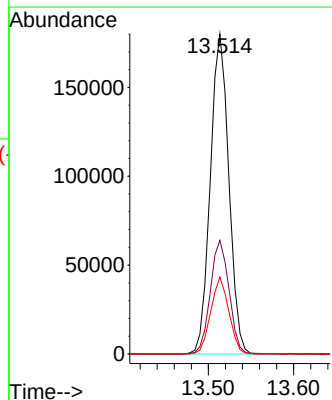
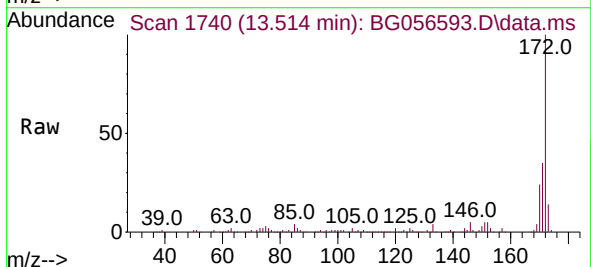
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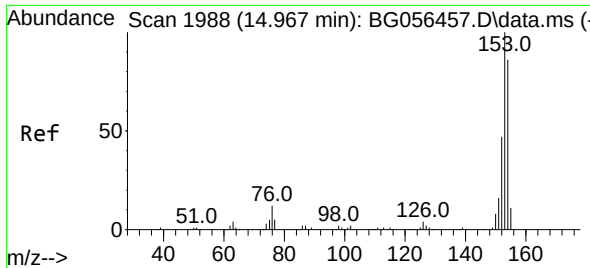
Reviewed By :Christian Giraldo 02/09/2023
Supervised By :Jagrut Upadhyay 02/09/2023



#45
2-Fluorobiphenyl
Concen: 32.788 ng
RT: 13.514 min Scan# 1740
Delta R.T. -0.003 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45

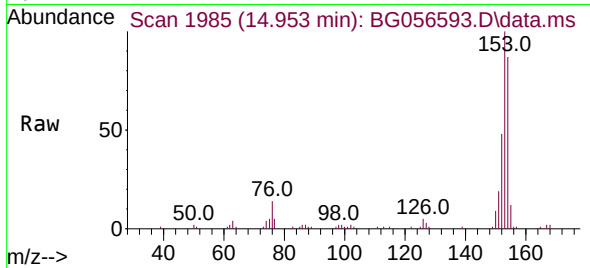
Tgt Ion:172 Resp: 271286
Ion Ratio Lower Upper
172 100
171 35.5 29.5 44.3
170 24.0 19.2 28.8





#52
Acenaphthene
Concen: 6.864 ng
RT: 14.953 min Scan# 1985
Delta R.T. -0.003 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45

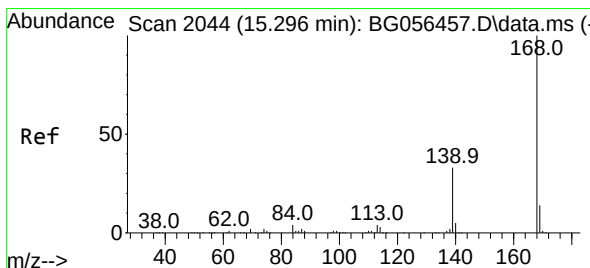
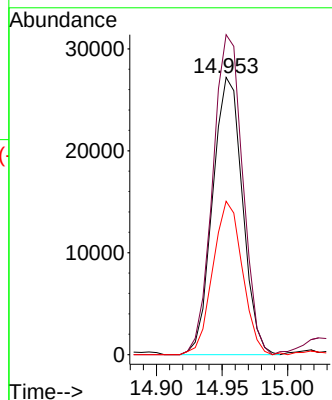
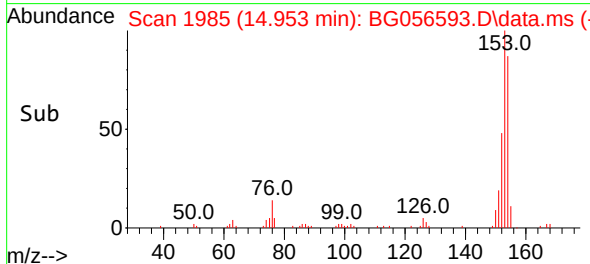
Instrument :
BNA_G
ClientSampleId :
JPP-48-020723



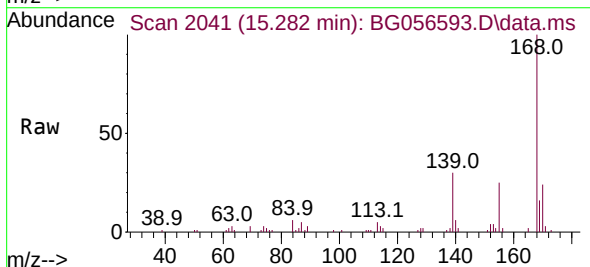
Tgt Ion:154 Resp: 43068
Ion Ratio Lower Upper
154 100
153 115.4 93.4 140.0
152 55.3 43.4 65.2

Manual Integrations
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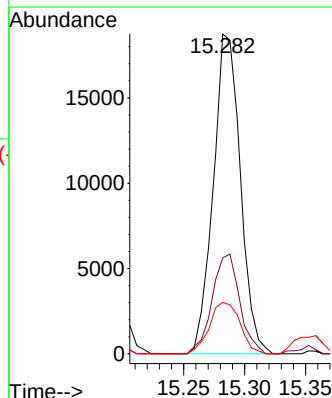
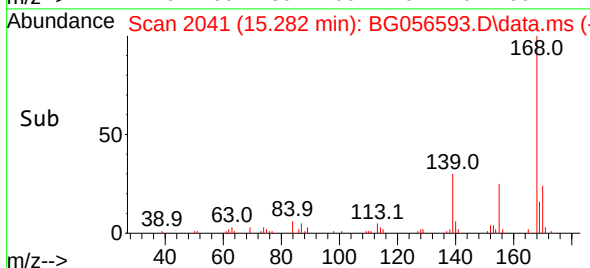
Reviewed By :Christian Giraldo 02/09/2023
Supervised By :Jagrut Upadhyay 02/09/2023

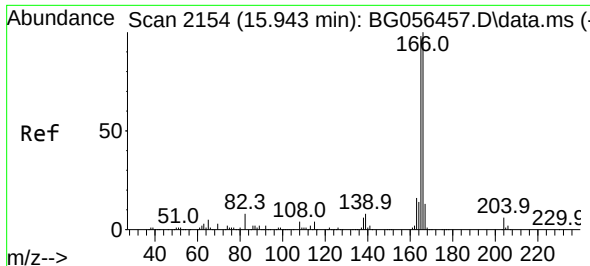


#55
Dibenzofuran
Concen: 2.573 ng
RT: 15.282 min Scan# 2041
Delta R.T. -0.003 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45



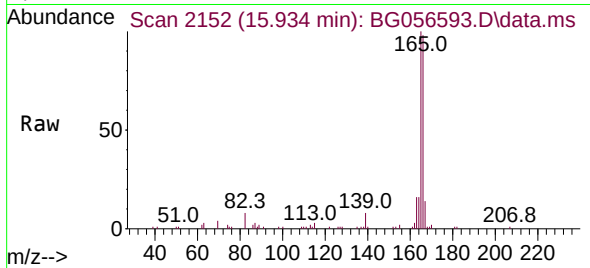
Tgt Ion:168 Resp: 28956
Ion Ratio Lower Upper
168 100
139 30.0 26.2 39.2
169 16.1 11.0 16.6





#58
Fluorene
Concen: 5.120 ng
RT: 15.934 min Scan# 2154
Delta R.T. 0.003 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45

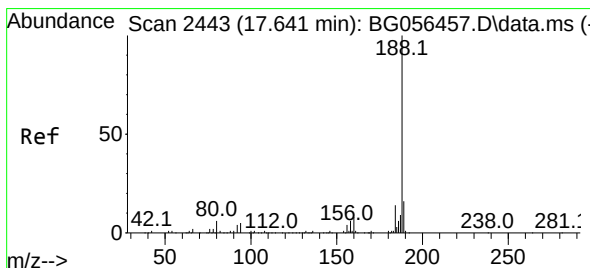
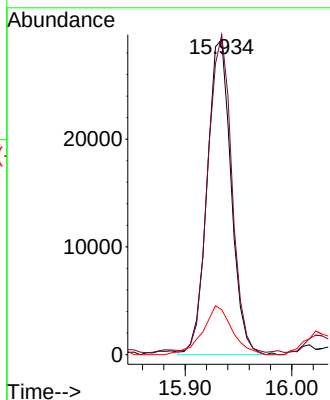
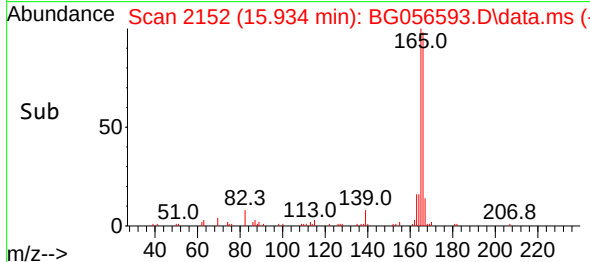
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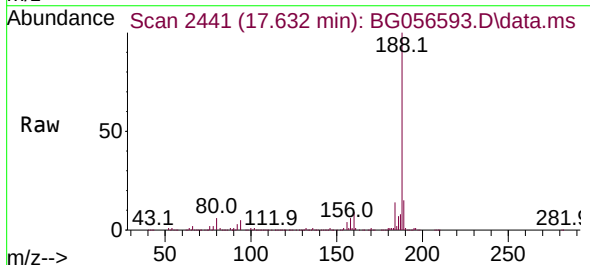
Tgt Ion:166 Resp: 45843
Ion Ratio Lower Upper
166 100
165 101.6 78.8 118.2
167 14.3 10.6 15.8

Manual Integrations
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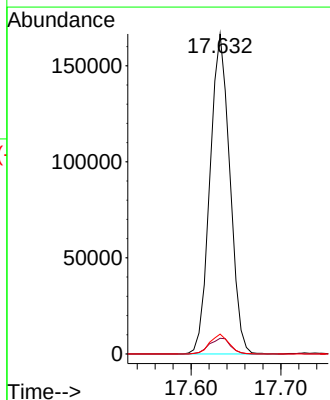
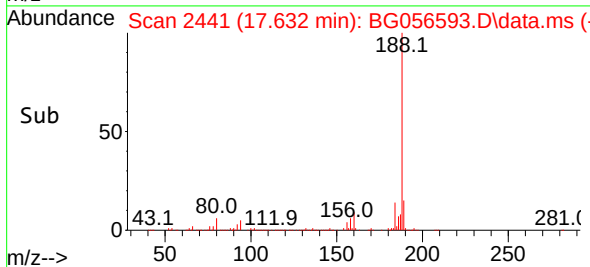
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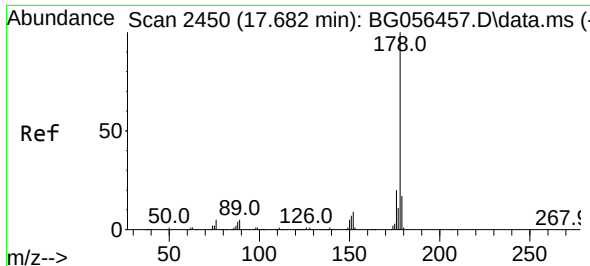


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.632 min Scan# 2441
Delta R.T. 0.003 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45



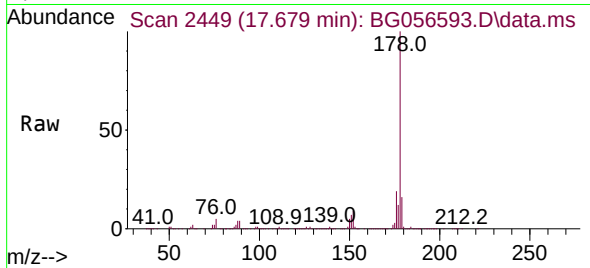
Tgt Ion:188 Resp: 256902
Ion Ratio Lower Upper
188 100
94 4.9 4.1 6.1
80 6.2 5.0 7.4





#71
Phenanthrene
Concen: 73.644 ng
RT: 17.679 min Scan# 2450
Delta R.T. 0.009 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45

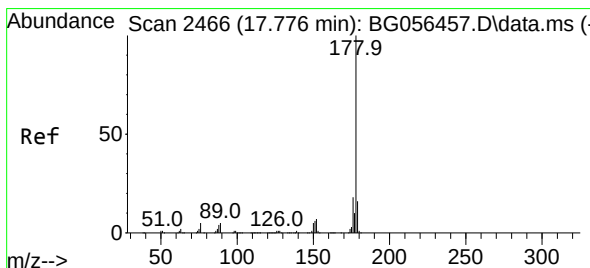
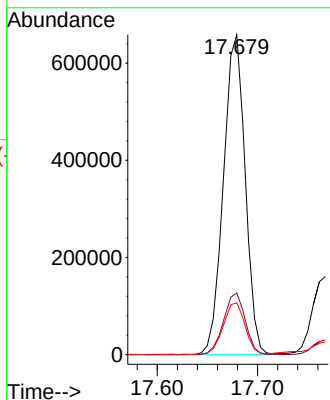
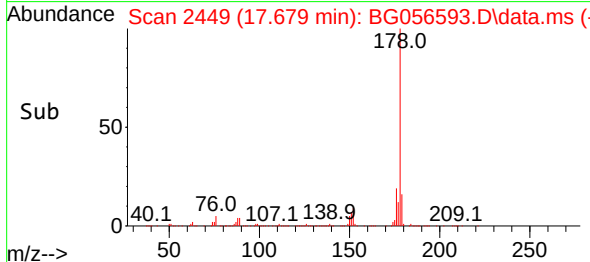
Instrument :
BNA_G
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Tgt Ion:178 Resp: 990204
Ion Ratio Lower Upper
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176 19.3 15.6 23.4
179 16.2 13.3 19.9

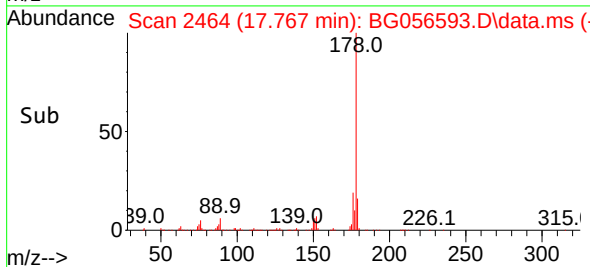
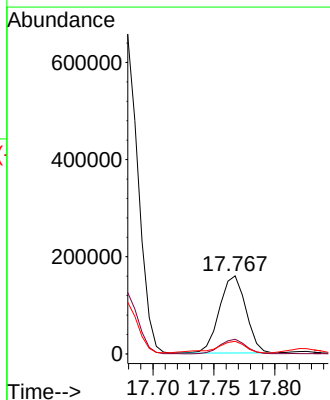
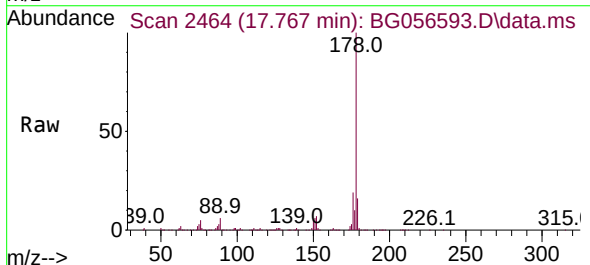
Manual Integrations
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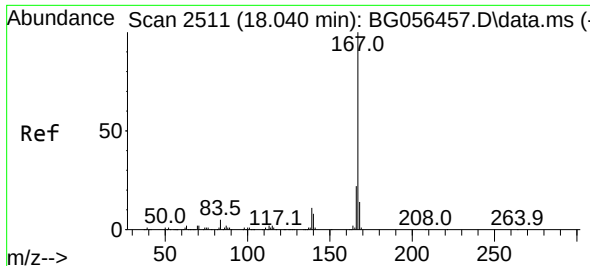
Reviewed By :Christian Giraldo 02/09/2023
Supervised By :Jagrut Upadhyay 02/09/2023



#72
Anthracene
Concen: 17.376 ng
RT: 17.767 min Scan# 2464
Delta R.T. 0.003 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45

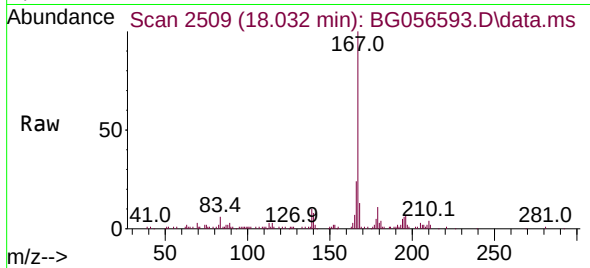
Tgt Ion:178 Resp: 239829
Ion Ratio Lower Upper
178 100
176 18.8 14.5 21.7
179 16.0 12.5 18.7





#73
 Carbazole
 Concen: 4.285 ng
 RT: 18.032 min Scan# 2511
 Delta R.T. 0.003 min
 Lab File: BG056593.D
 Acq: 8 Feb 2023 22:45

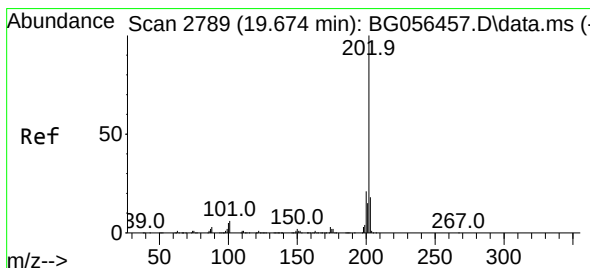
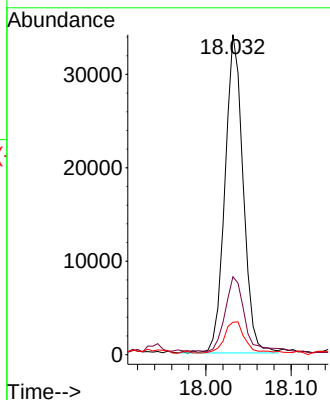
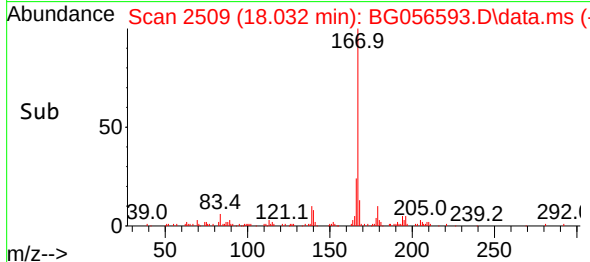
Instrument :
 BNA_G
 ClientSampleId :
 JPP-48-020723



Tgt Ion:167 Resp: 50372
 Ion Ratio Lower Upper
 167 100
 166 24.3 17.8 26.6
 139 10.1 8.9 13.3

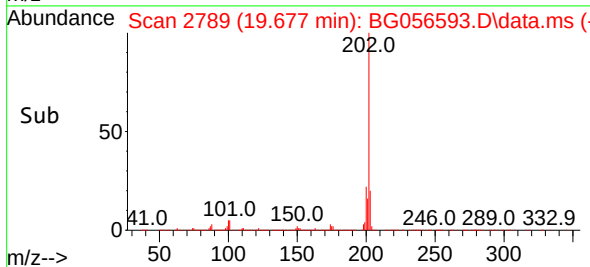
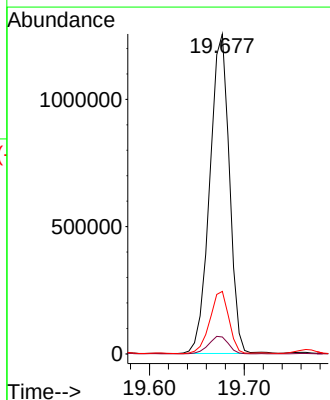
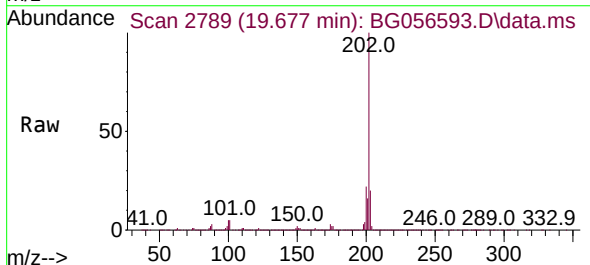
Manual Integrations
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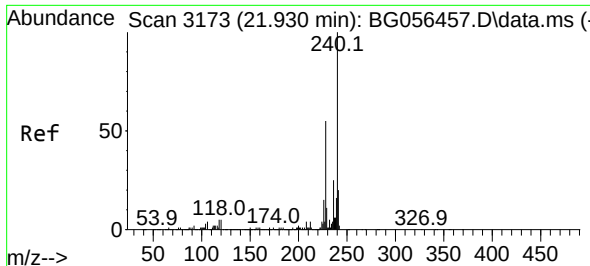
Reviewed By :Christian Giraldo 02/09/2023
 Supervised By :Jagrut Upadhyay 02/09/2023



#75
 Fluoranthene
 Concen: 106.460 ng
 RT: 19.677 min Scan# 2789
 Delta R.T. 0.009 min
 Lab File: BG056593.D
 Acq: 8 Feb 2023 22:45

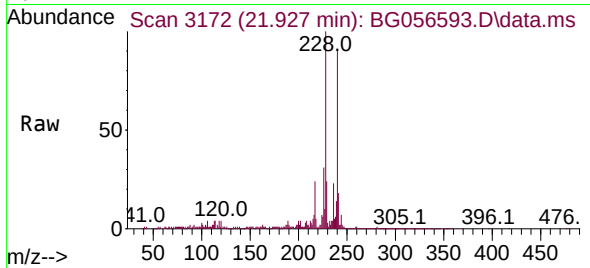
Tgt Ion:202 Resp: 1806638
 Ion Ratio Lower Upper
 202 100
 101 5.3 0.0 25.6
 203 19.5 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.927 min Scan# 3173
Delta R.T. 0.003 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45

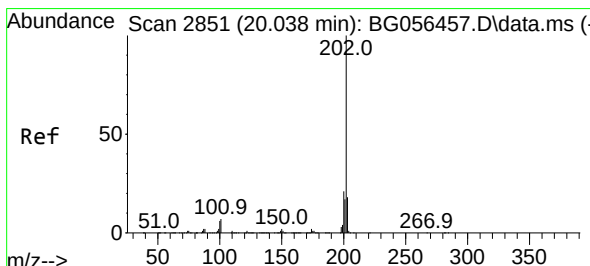
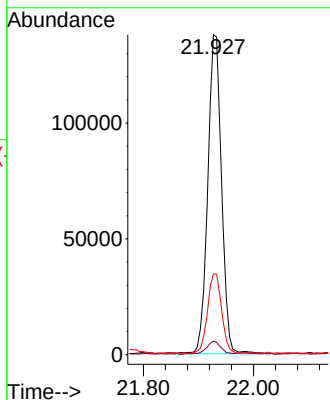
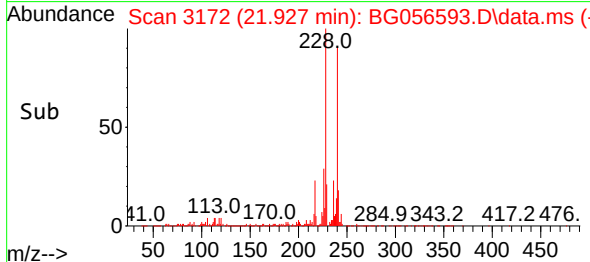
Instrument :
BNA_G
ClientSampleId :
JPP-48-020723



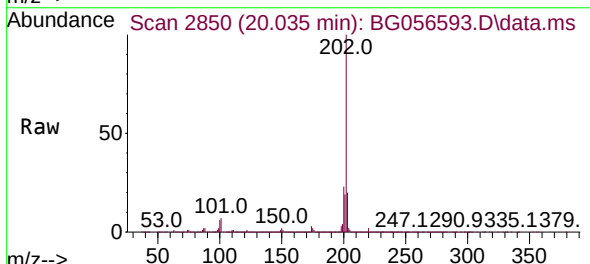
Tgt Ion:240 Resp: 239149
Ion Ratio Lower Upper
240 100
120 4.2 3.8 5.8
236 25.2 20.2 30.2

Manual Integrations
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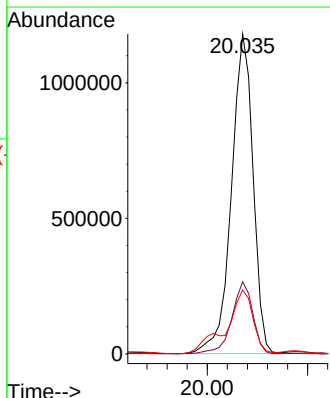
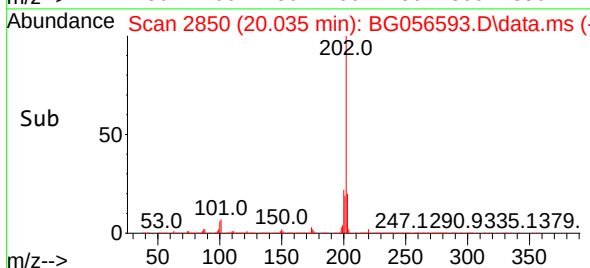
Reviewed By :Christian Giraldo 02/09/2023
Supervised By :Jagrut Upadhyay 02/09/2023

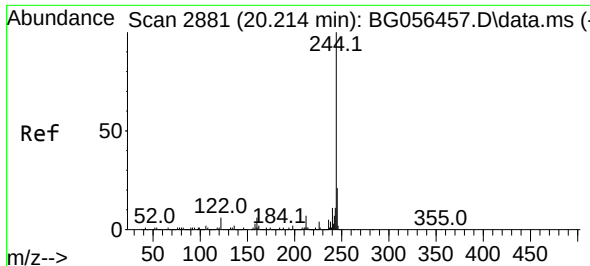


#78
Pyrene
Concen: 103.444 ng
RT: 20.035 min Scan# 2850
Delta R.T. 0.009 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45



Tgt Ion:202 Resp: 1759454
Ion Ratio Lower Upper
202 100
200 22.5 16.7 25.1
203 20.0 14.4 21.6





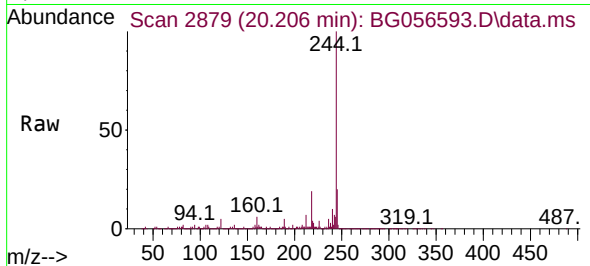
#79
 Terphenyl-d14
 Concen: 30.916 ng
 RT: 20.206 min Scan# 2881
 Delta R.T. -0.003 min
 Lab File: BG056593.D
 Acq: 8 Feb 2023 22:45

Instrument :

BNA_G

ClientSampleId :

JPP-48-020723

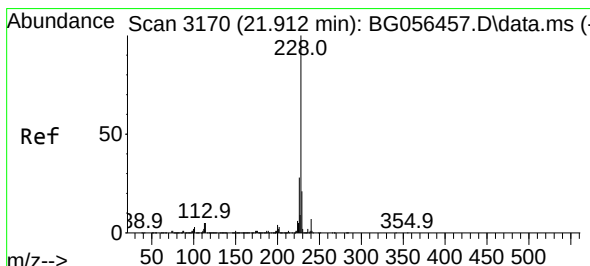
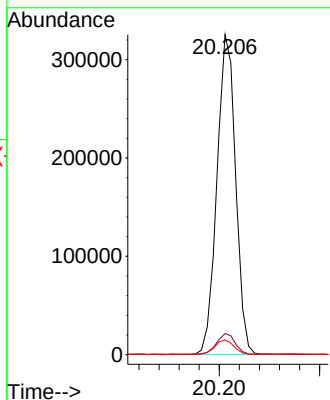
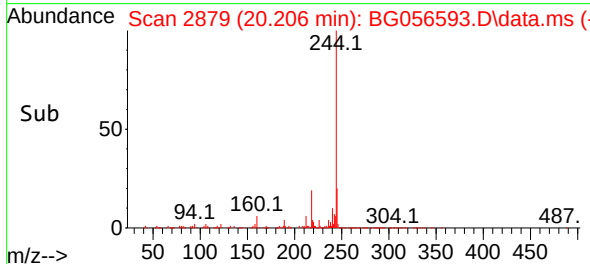


Tgt Ion:244 Resp: 420962
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.5 8.3
 122 4.6 4.4 6.6

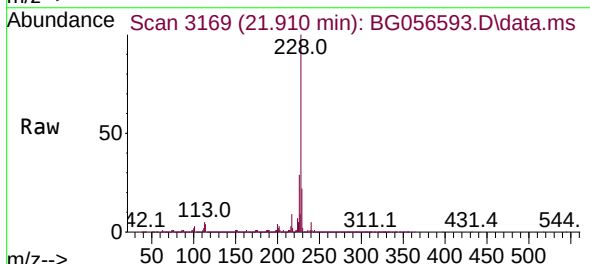
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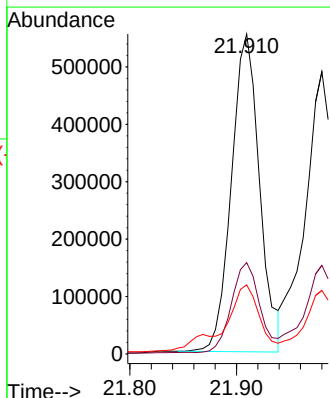
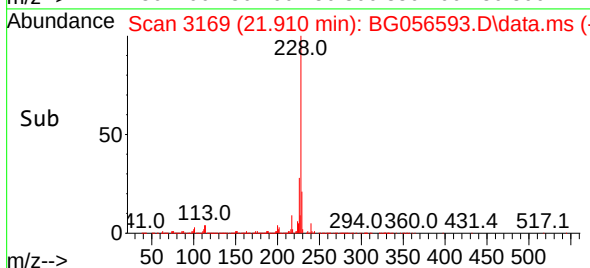
Reviewed By :Christian Giraldo 02/09/2023
 Supervised By :Jagrut Upadhyay 02/09/2023

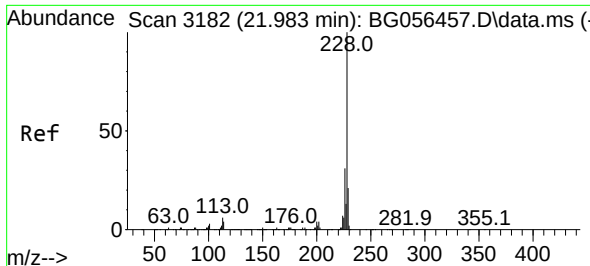


#81
 Benzo(a)anthracene
 Concen: 60.599 ng
 RT: 21.910 min Scan# 3169
 Delta R.T. 0.009 min
 Lab File: BG056593.D
 Acq: 8 Feb 2023 22:45



Tgt Ion:228 Resp: 1013168
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.4 33.6
 229 21.6 16.5 24.7





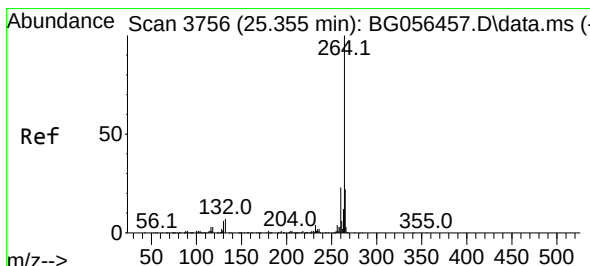
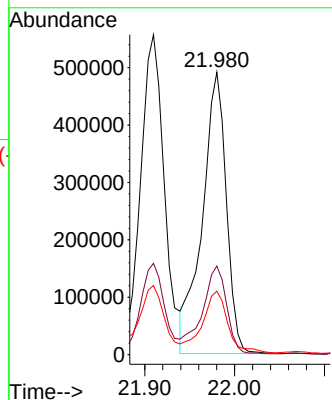
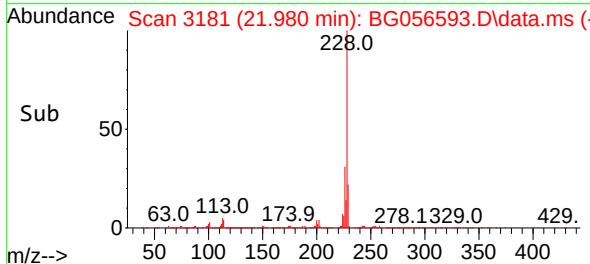
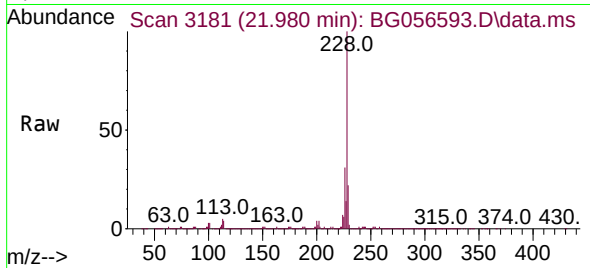
#83
Chrysene
Concen: 58.224 ng
RT: 21.980 min Scan# 3182
Delta R.T. 0.009 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45

Instrument :
BNA_G
ClientSampleId :
JPP-48-020723

Tgt Ion:228 Resp: 914554
Ion Ratio Lower Upper
228 100
226 31.4 25.0 37.4
229 22.5 16.4 24.6

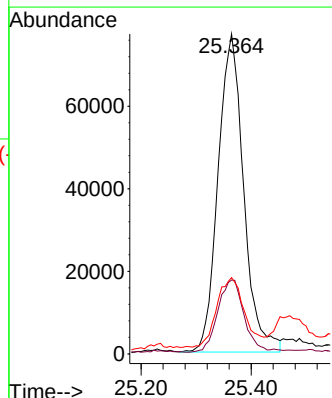
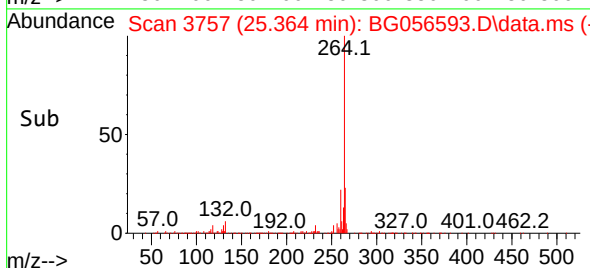
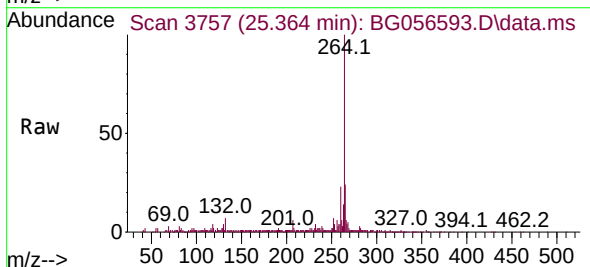
Manual Integrations
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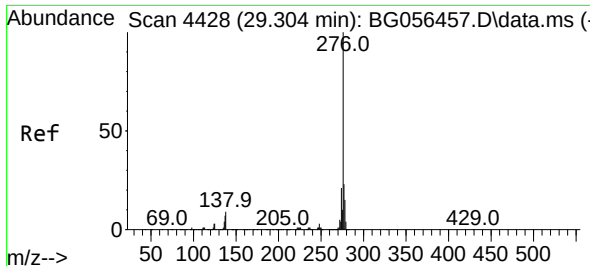
Reviewed By :Christian Giraldo 02/09/2023
Supervised By :Jagrut Upadhyay 02/09/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.364 min Scan# 3757
Delta R.T. 0.027 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45

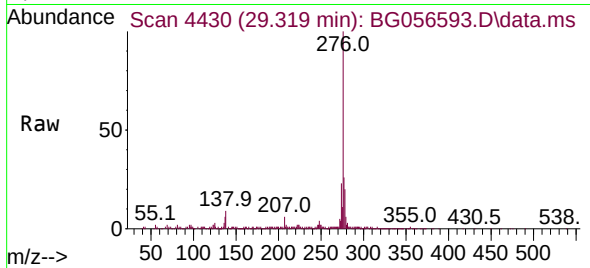
Tgt Ion:264 Resp: 248797
Ion Ratio Lower Upper
264 100
260 23.1 18.2 27.4
265 23.8 18.1 27.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 22.940 ng
RT: 29.319 min Scan# 4428
Delta R.T. 0.033 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45

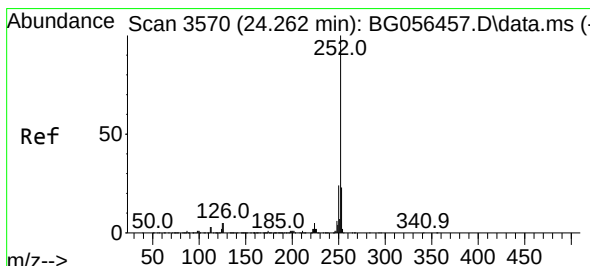
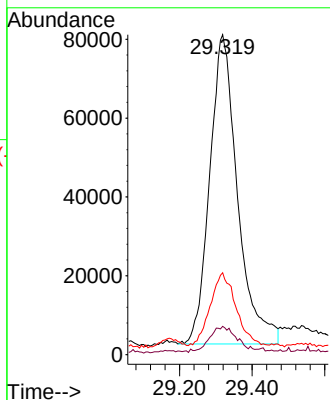
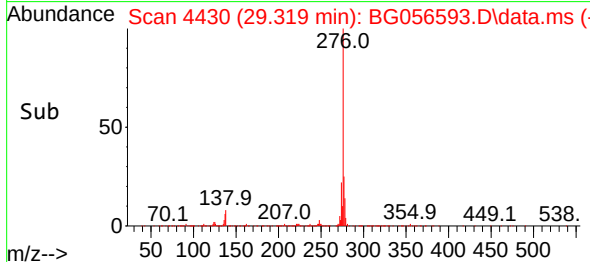
Instrument :
BNA_G
ClientSampleId :
JPP-48-020723



Tgt Ion:276 Resp: 417798
Ion Ratio Lower Upper
276 100
138 8.0 9.4 14.2
277 21.8 20.3 30.5

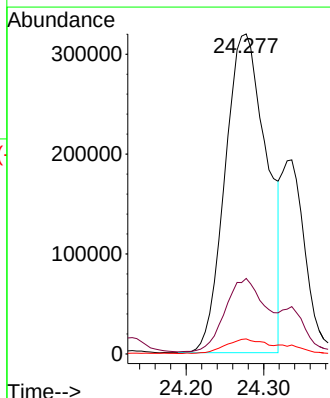
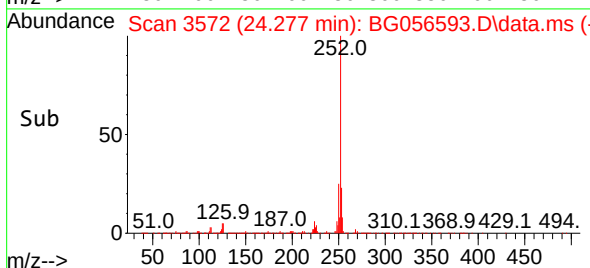
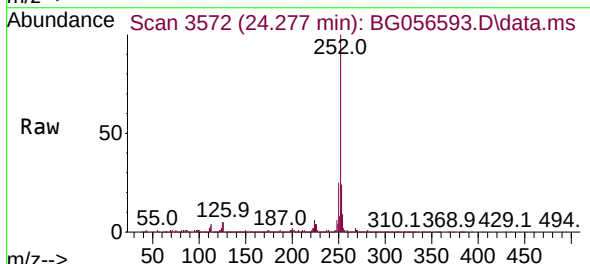
Manual Integrations
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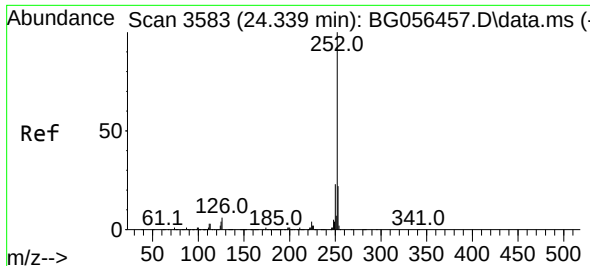
Reviewed By :Christian Giraldo 02/09/2023
Supervised By :Jagrut Upadhyay 02/09/2023



#88
Benzo(b)fluoranthene
Concen: 77.344 ng
RT: 24.277 min Scan# 3572
Delta R.T. 0.027 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45

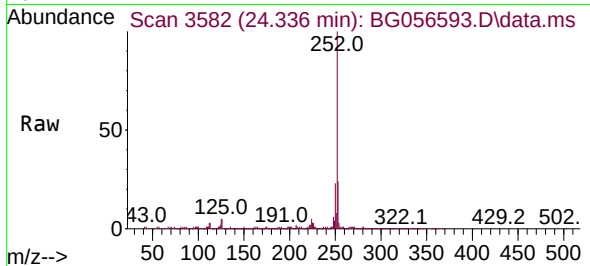
Tgt Ion:252 Resp: 1194388
Ion Ratio Lower Upper
252 100
253 23.6 18.1 27.1
125 4.7 3.9 5.9





#89
Benzo(k)fluoranthene
Concen: 26.683 ng m
RT: 24.336 min Scan# 3583
Delta R.T. 0.015 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45

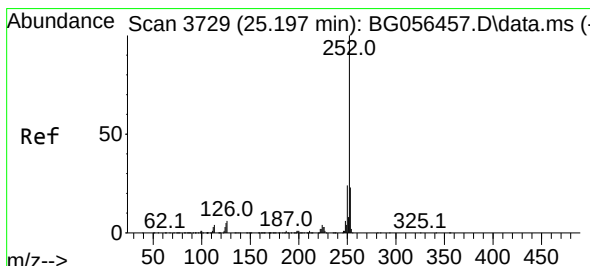
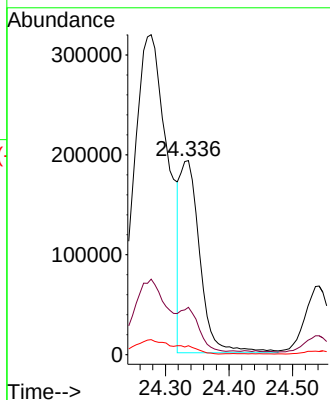
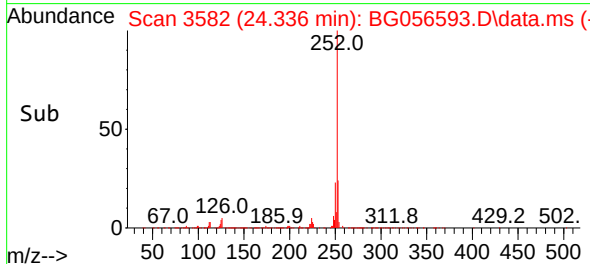
Instrument :
BNA_G
ClientSampleId :
JPP-48-020723



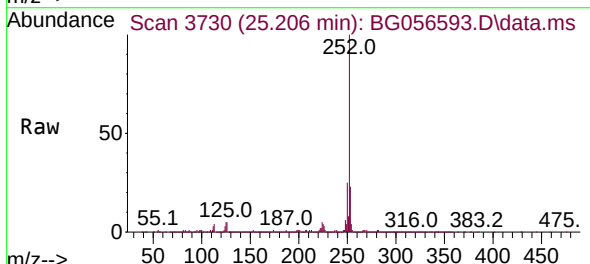
Tgt Ion:252 Resp: 416029
Ion Ratio Lower Upper
252 100
253 24.4 17.5 26.3
125 4.6 3.4 5.0

Manual Integrations
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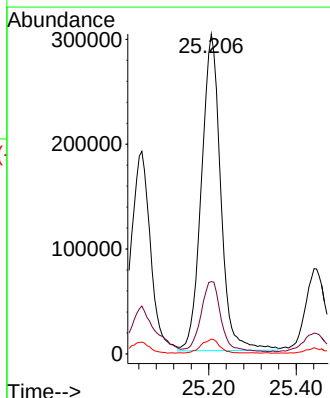
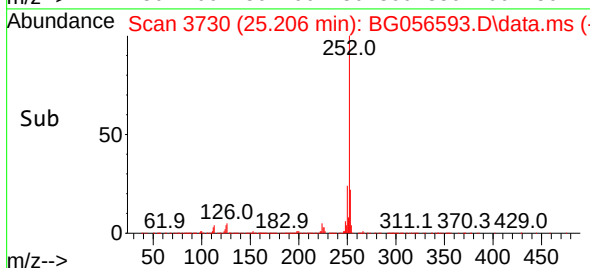
Reviewed By :Christian Giraldo 02/09/2023
Supervised By :Jagrut Upadhyay 02/09/2023

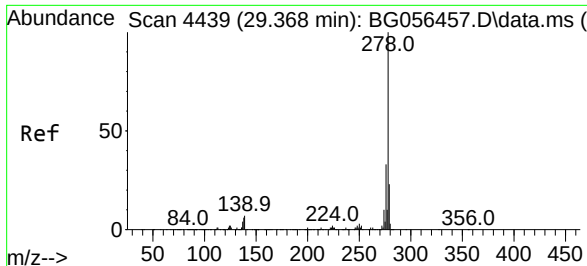


#90
Benzo(a)pyrene
Concen: 60.635 ng
RT: 25.206 min Scan# 3730
Delta R.T. 0.027 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45



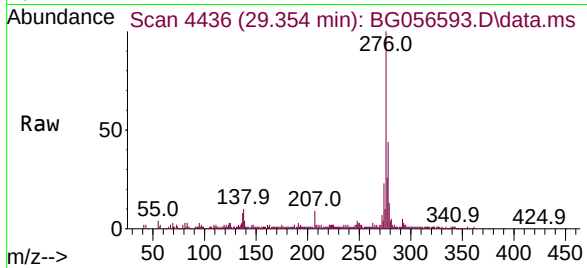
Tgt Ion:252 Resp: 922370
Ion Ratio Lower Upper
252 100
253 22.6 18.4 27.6
125 4.6 4.1 6.1





#91
Dibenzo(a,h)anthracene
Concen: 6.987 ng
RT: 29.354 min Scan# 4439
Delta R.T. 0.009 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45

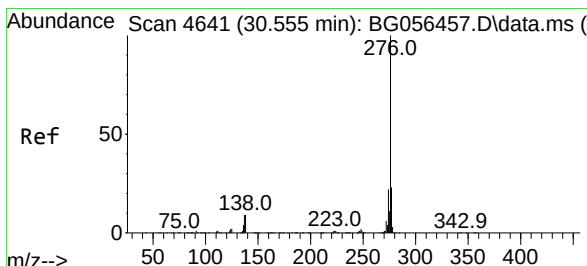
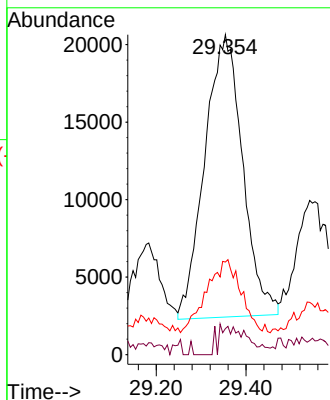
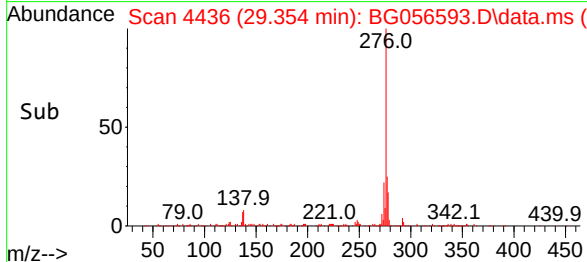
Instrument :
BNA_G
ClientSampleId :
JPP-48-020723



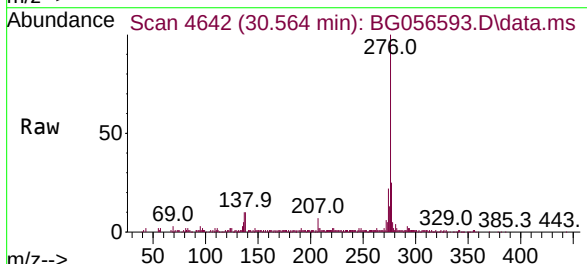
Tgt Ion:278 Resp: 106818
Ion Ratio Lower Upper
278 100
139 8.1 5.5 8.3
279 28.9 18.8 28.2

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/09/2023
Supervised By :Jagrut Upadhyay 02/09/2023



#92
Benzo(g,h,i)perylene
Concen: 26.219 ng m
RT: 30.564 min Scan# 4642
Delta R.T. 0.038 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45



Tgt Ion:276 Resp: 386750
Ion Ratio Lower Upper
276 100
277 25.0 18.5 27.7
138 9.9 7.4 11.0

