

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040623\
 Data File : BG057020.D
 Acq On : 6 Apr 2023 20:26
 Operator : CG/JU
 Sample : 02126-03 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RS-C

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/07/2023
 Supervised By : Jagrut Upadhyay 04/07/2023

Quant Time: Apr 07 01:40:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 07 01:33:41 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.409	152	20235	20.000	ng	0.00
21) Naphthalene-d8	11.252	136	79116	20.000	ng	0.00
39) Acenaphthene-d10	15.023	164	53917	20.000	ng	0.00
64) Phenanthrene-d10	17.761	188	121388	20.000	ng	0.00
76) Chrysene-d12	22.084	240	104526	20.000	ng	0.00
86) Perylene-d12	25.626	264	113014	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.924	112	49471	39.128	ng	0.00
7) Phenol-d6	7.539	99	70096	37.069	ng	0.00
23) Nitrobenzene-d5	9.584	82	45596	23.582	ng	-0.01
42) 2,4,6-Tribromophenol	16.504	330	33207	38.553	ng	0.00
45) 2-Fluorobiphenyl	13.649	172	104910	26.385	ng	0.00
79) Terphenyl-d14	20.328	244	158729	25.696	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.802	178	25428	4.109	ng	97
75) Fluoranthene	19.793	202	89457	11.402	ng	99
78) Pyrene	20.152	202	90003	12.449	ng	97
81) Benzo(a)anthracene	22.061	228	49222	6.805	ng	97
83) Chrysene	22.131	228	52010	7.680	ng	95
87) Indeno(1,2,3-cd)pyrene	29.727	276	39533m	4.733	ng	
88) Benzo(b)fluoranthene	24.487	252	75708m	10.713	ng	
89) Benzo(k)fluoranthene	24.551	252	29891m	4.237	ng	
90) Benzo(a)pyrene	25.450	252	57615	8.296	ng	98
92) Benzo(g,h,i)perylene	31.002	276	38015m	5.655	ng	

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

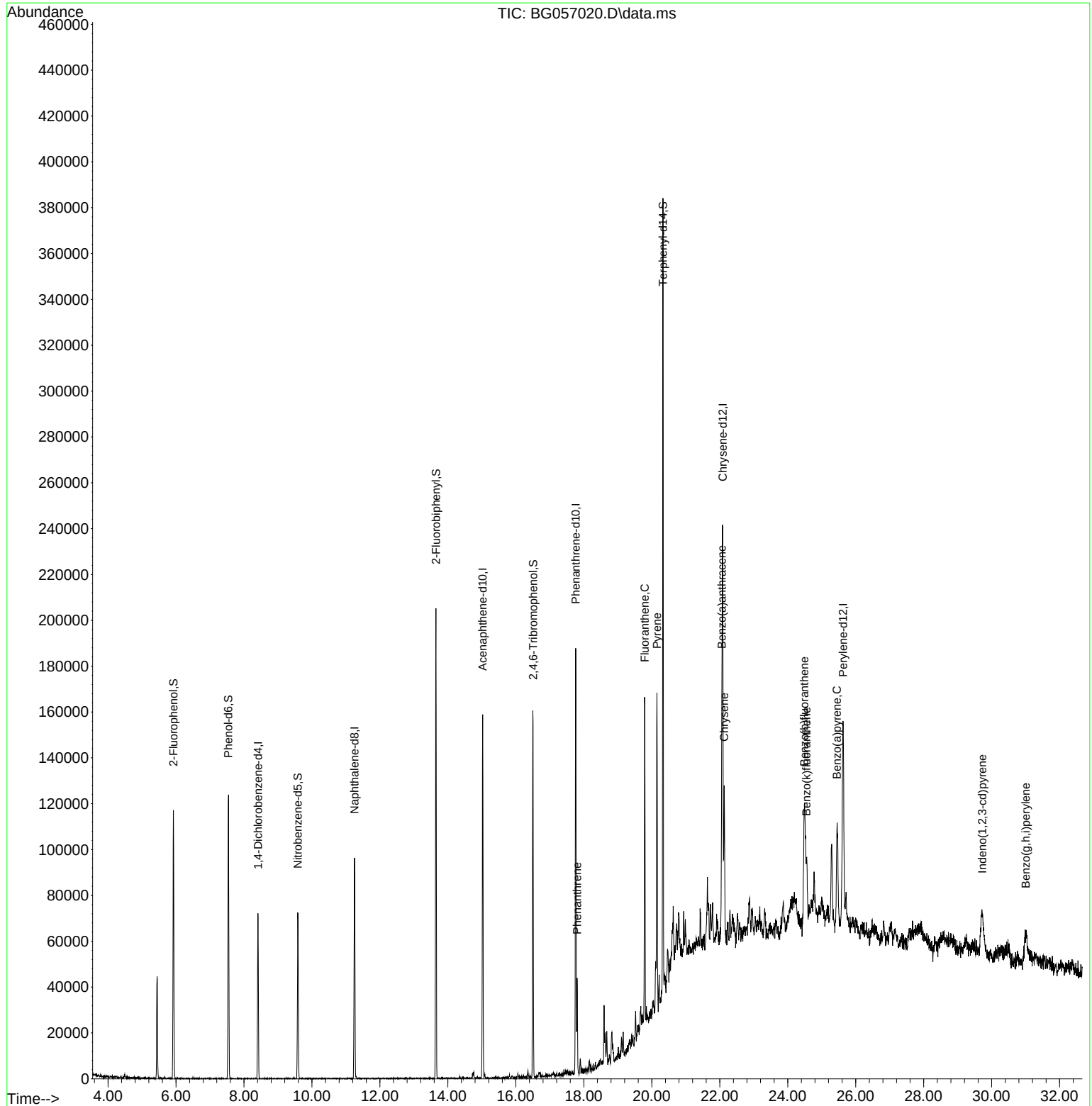
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040623\
Data File : BG057020.D
Acq On : 6 Apr 2023 20:26
Operator : CG/JU
Sample : 02126-03 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

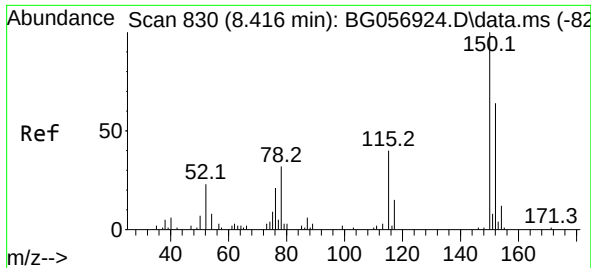
Instrument :
BNA_G
ClientSampleId :
RS-C

Quant Time: Apr 07 01:40:00 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 07 01:33:41 2023
Response via : Initial Calibration

Manual Integrations
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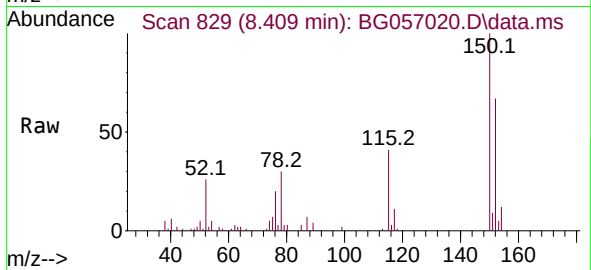
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.409 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG057020.D
Acq: 6 Apr 2023 20:26

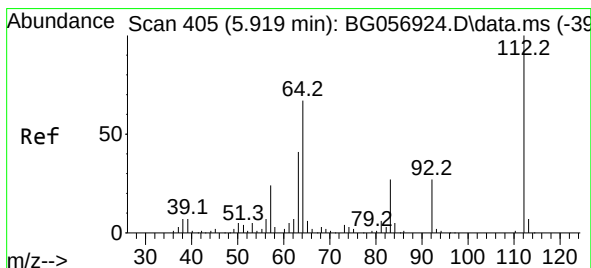
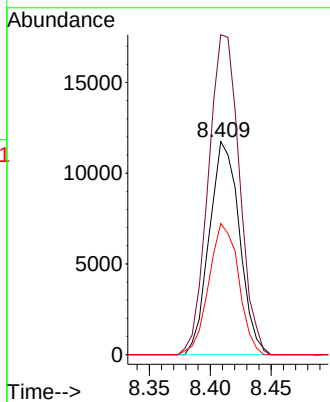
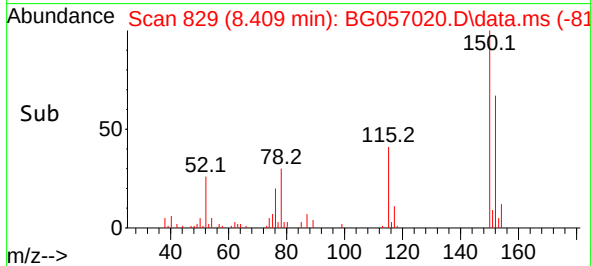
Instrument :
BNA_G
ClientSampleId :
RS-C



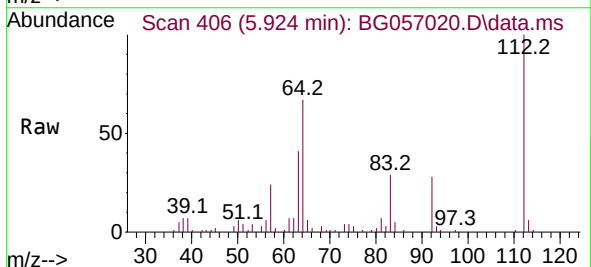
Tgt Ion:152 Resp: 20235
Ion Ratio Lower Upper
152 100
150 150.2 124.1 186.1
115 61.6 49.1 73.7

Manual Integrations
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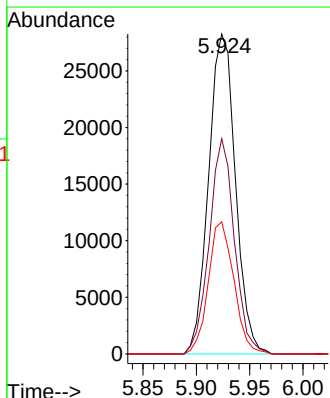
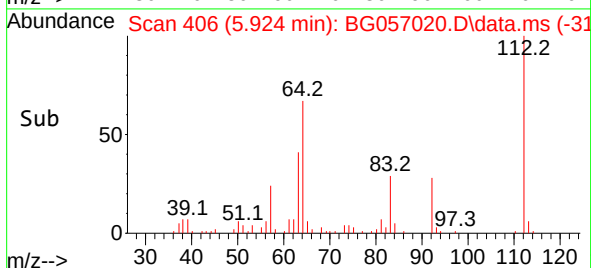
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023

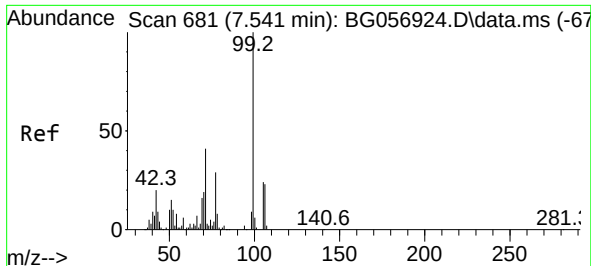


#5
2-Fluorophenol
Concen: 39.128 ng
RT: 5.924 min Scan# 406
Delta R.T. 0.007 min
Lab File: BG057020.D
Acq: 6 Apr 2023 20:26



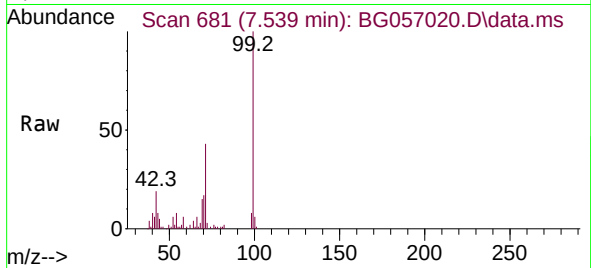
Tgt Ion:112 Resp: 49471
Ion Ratio Lower Upper
112 100
64 67.2 53.2 79.8
63 41.3 32.6 48.8





#7
Phenol-d6
Concen: 37.069 ng
RT: 7.539 min Scan# 681
Delta R.T. -0.004 min
Lab File: BG057020.D
Acq: 6 Apr 2023 20:26

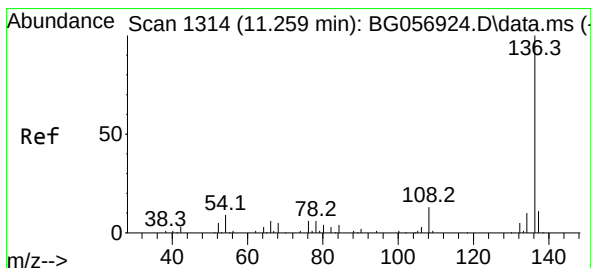
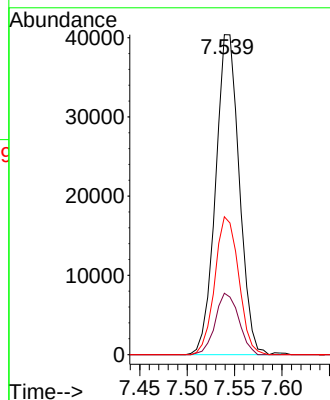
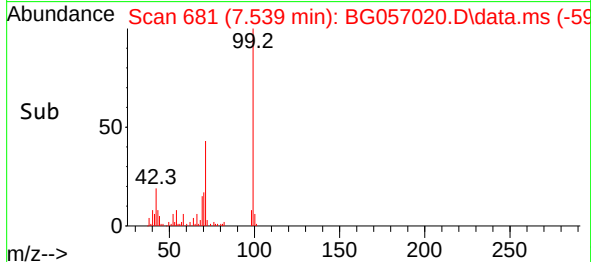
Instrument :
BNA_G
ClientSampleId :
RS-C



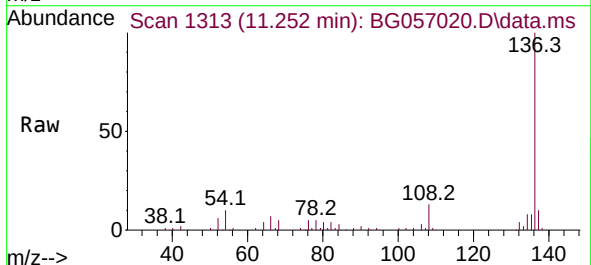
Tgt Ion: 99 Resp: 70096
Ion Ratio Lower Upper
99 100
42 19.2 15.7 23.5
71 43.1 32.5 48.7

Manual Integrations
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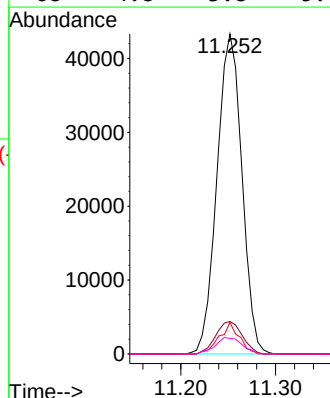
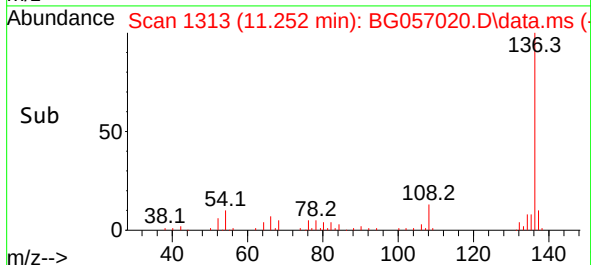
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023

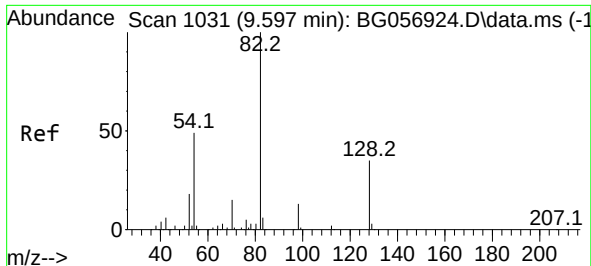


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.252 min Scan# 1313
Delta R.T. 0.001 min
Lab File: BG057020.D
Acq: 6 Apr 2023 20:26



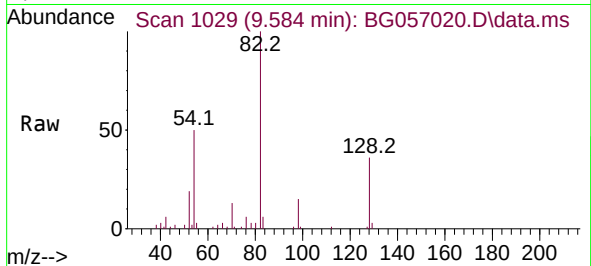
Tgt Ion:136 Resp: 79116
Ion Ratio Lower Upper
136 100
137 10.1 8.6 13.0
54 9.8 6.9 10.3
68 4.8 3.8 5.6





#23
Nitrobenzene-d5
Concen: 23.582 ng
RT: 9.584 min Scan# 1031
Delta R.T. -0.010 min
Lab File: BG057020.D
Acq: 6 Apr 2023 20:26

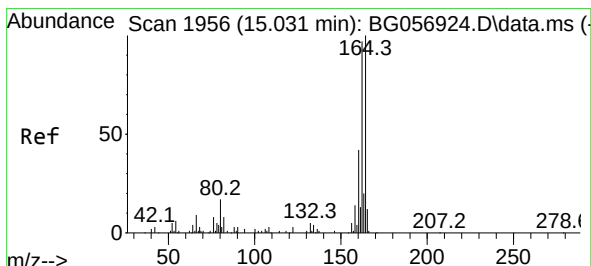
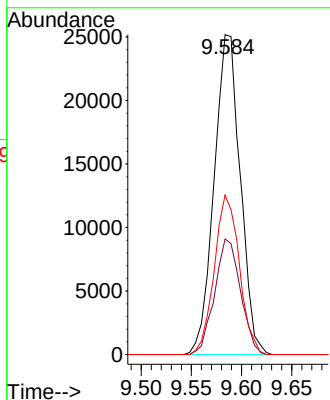
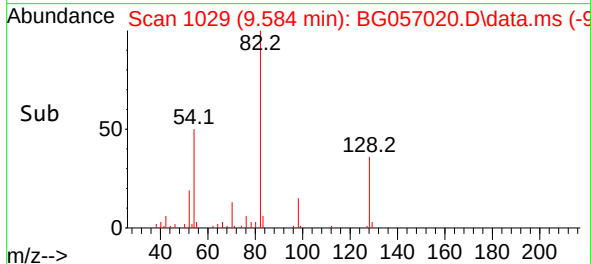
Instrument :
BNA_G
ClientSampleId :
RS-C



Tgt Ion: 82 Resp: 45596
Ion Ratio Lower Upper
82 100
128 36.1 27.9 41.9
54 49.9 39.4 59.2

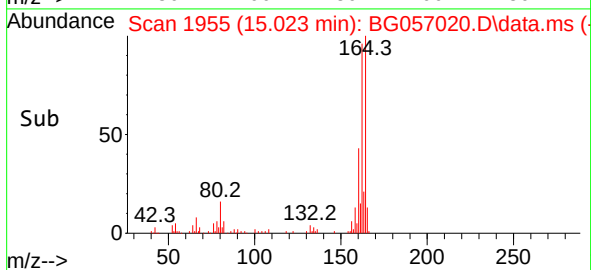
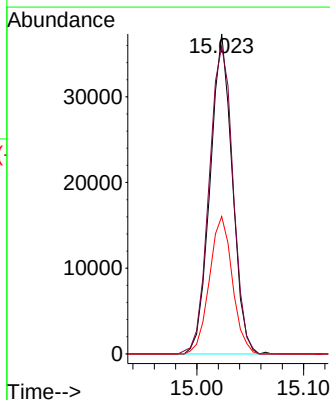
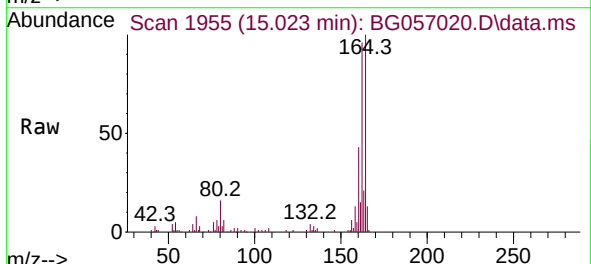
Manual Integrations
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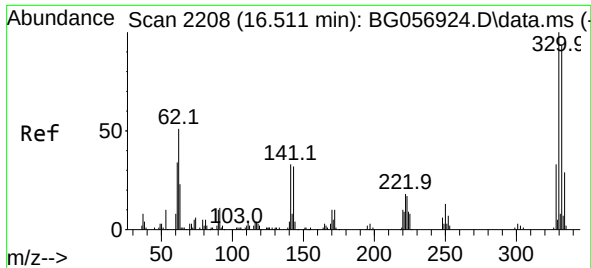
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.023 min Scan# 1955
Delta R.T. -0.004 min
Lab File: BG057020.D
Acq: 6 Apr 2023 20:26

Tgt Ion:164 Resp: 53917
Ion Ratio Lower Upper
164 100
162 96.2 77.8 116.8
160 42.9 33.5 50.3





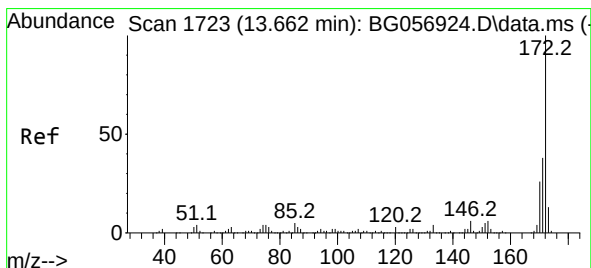
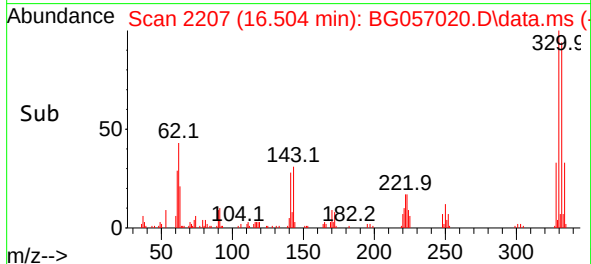
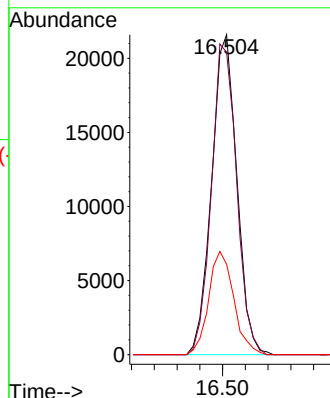
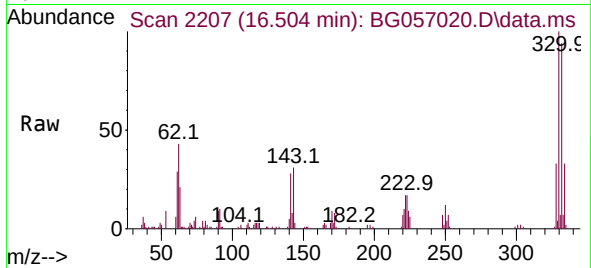
#42
2,4,6-Tribromophenol
Concen: 38.553 ng
RT: 16.504 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG057020.D
Acq: 6 Apr 2023 20:26

Instrument :
BNA_G
ClientSampleId :
RS-C

Tgt Ion:330 Resp: 3320
Ion Ratio Lower Upper
330 100
332 97.1 76.1 114.1
141 32.2 25.8 38.6

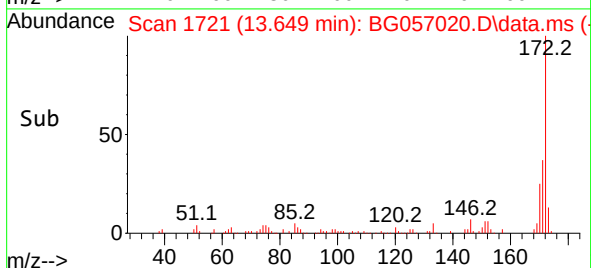
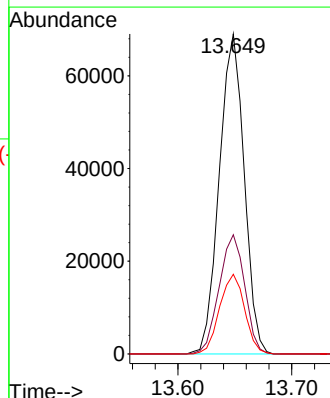
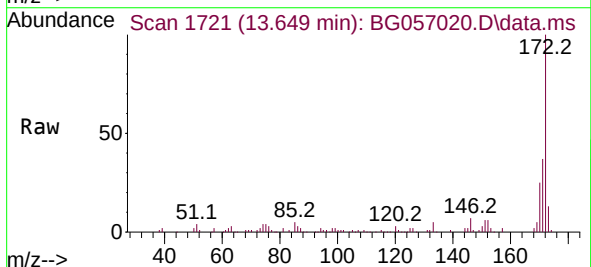
Manual Integrations
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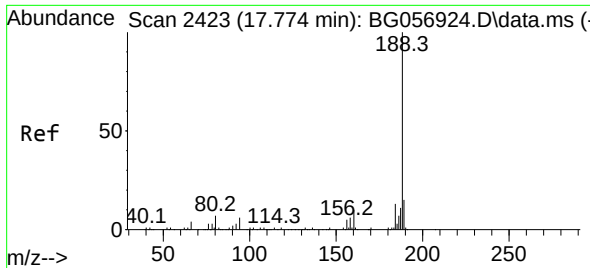
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023



#45
2-Fluorobiphenyl
Concen: 26.385 ng
RT: 13.649 min Scan# 1721
Delta R.T. -0.004 min
Lab File: BG057020.D
Acq: 6 Apr 2023 20:26

Tgt Ion:172 Resp: 104910
Ion Ratio Lower Upper
172 100
171 37.2 30.6 46.0
170 24.9 20.6 30.8





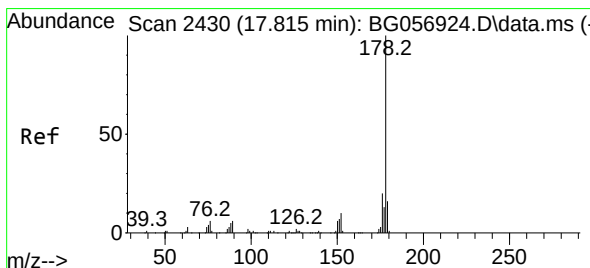
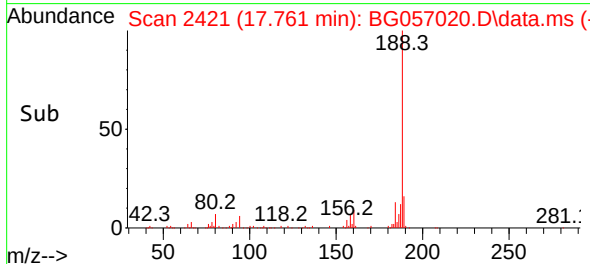
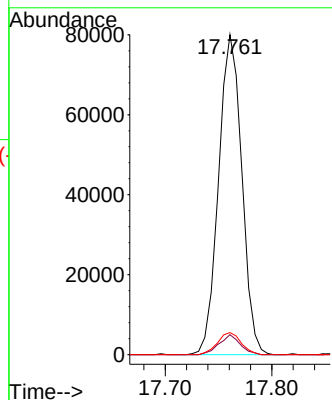
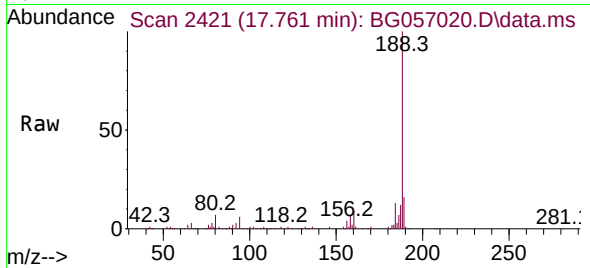
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.761 min Scan# 2421
Delta R.T. -0.004 min
Lab File: BG057020.D
Acq: 6 Apr 2023 20:26

Instrument :
BNA_G
ClientSampleId :
RS-C

Tgt Ion:188 Resp: 121388
Ion Ratio Lower Upper
188 100
94 6.2 4.6 6.8
80 6.9 5.5 8.3

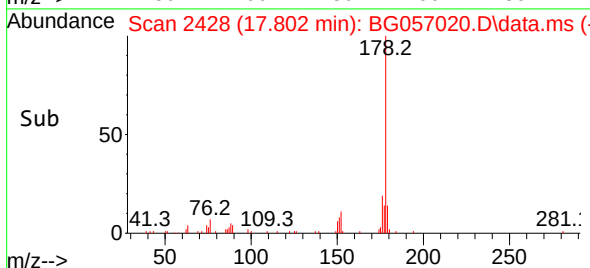
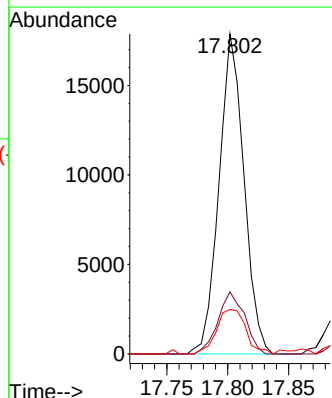
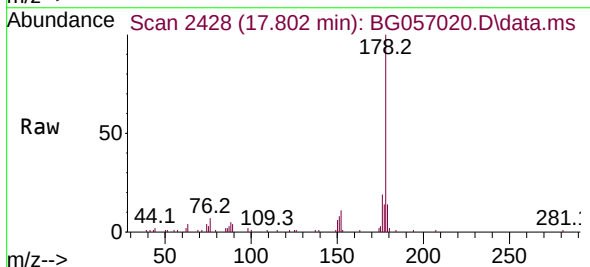
Manual Integrations
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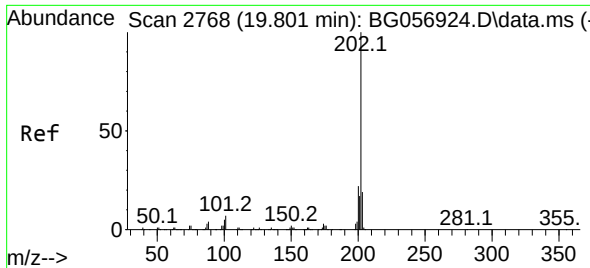
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023



#71
Phenanthrene
Concen: 4.109 ng
RT: 17.802 min Scan# 2428
Delta R.T. -0.004 min
Lab File: BG057020.D
Acq: 6 Apr 2023 20:26

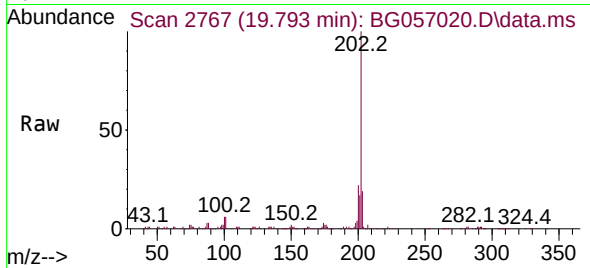
Tgt Ion:178 Resp: 25428
Ion Ratio Lower Upper
178 100
176 19.4 16.2 24.2
179 13.9 12.5 18.7





#75
Fluoranthene
Concen: 11.402 ng
RT: 19.793 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG057020.D
Acq: 6 Apr 2023 20:26

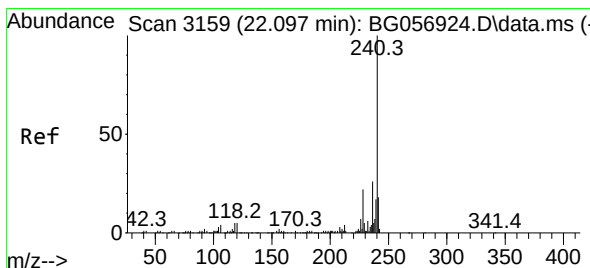
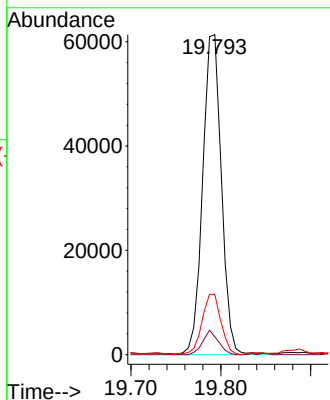
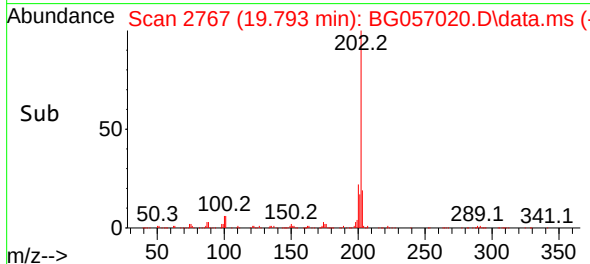
Instrument :
BNA_G
ClientSampleId :
RS-C



Tgt Ion:202 Resp: 89452
Ion Ratio Lower Upper
202 100
101 5.6 0.0 26.7
203 18.9 0.0 39.0

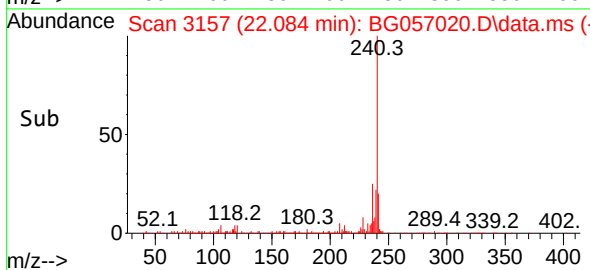
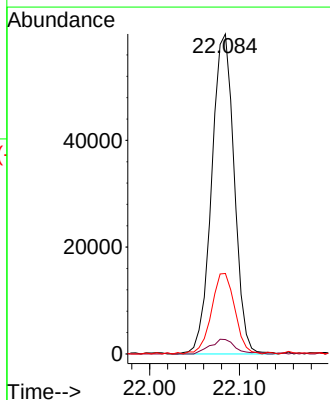
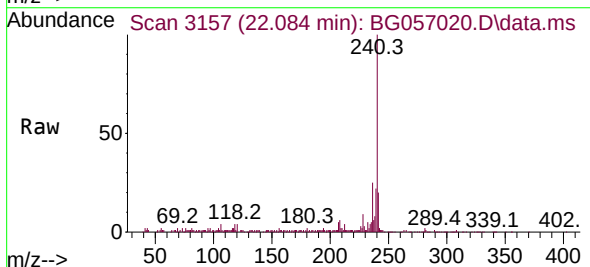
Manual Integrations
APPROVED

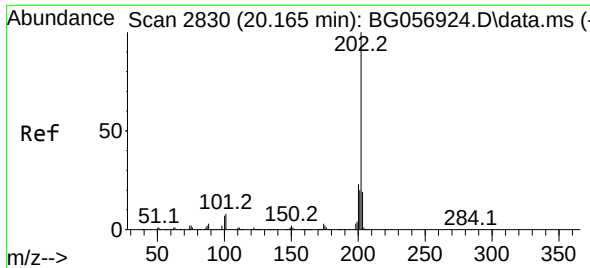
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.084 min Scan# 3157
Delta R.T. -0.004 min
Lab File: BG057020.D
Acq: 6 Apr 2023 20:26

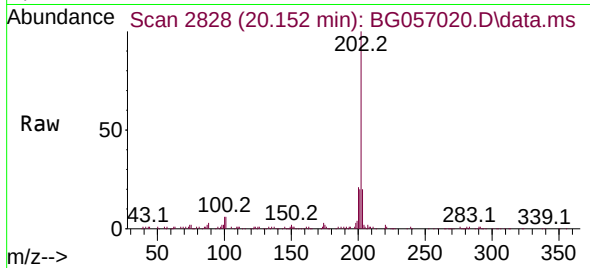
Tgt Ion:240 Resp: 104526
Ion Ratio Lower Upper
240 100
120 4.5 3.8 5.6
236 25.1 21.0 31.6





#78
Pyrene
Concen: 12.449 ng
RT: 20.152 min Scan# 2828
Delta R.T. 0.001 min
Lab File: BG057020.D
Acq: 6 Apr 2023 20:26

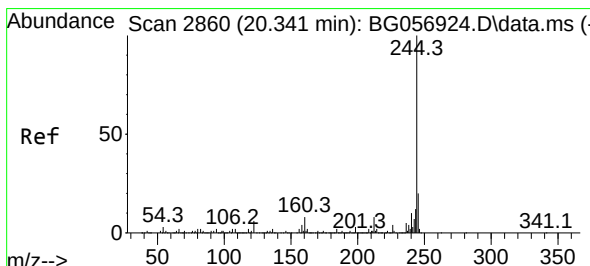
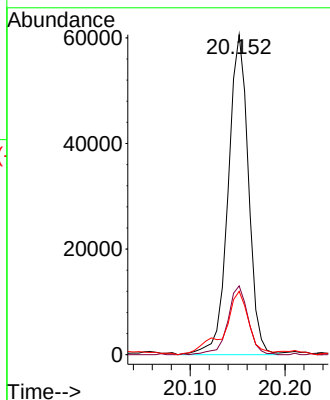
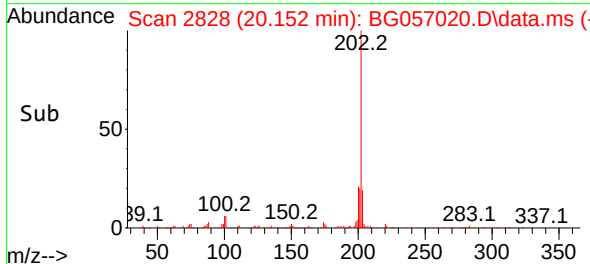
Instrument :
BNA_G
ClientSampleId :
RS-C



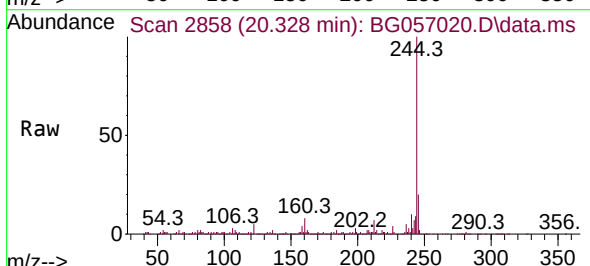
Tgt Ion:202 Resp: 90003
Ion Ratio Lower Upper
202 100
200 21.5 18.7 28.1
203 19.8 15.4 23.2

Manual Integrations
APPROVED

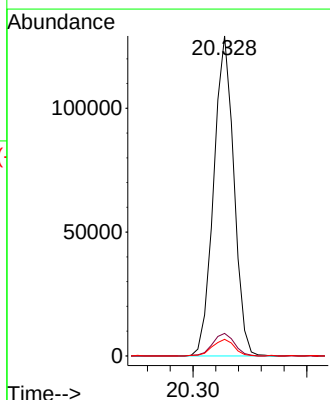
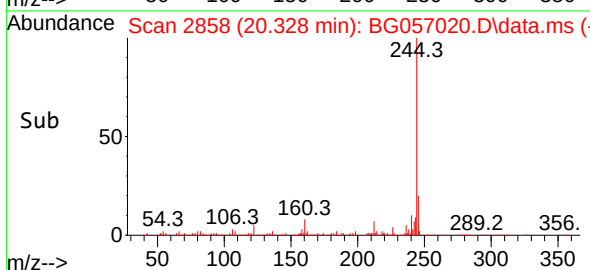
Reviewed By :Christian Giraldo 04/07/2023
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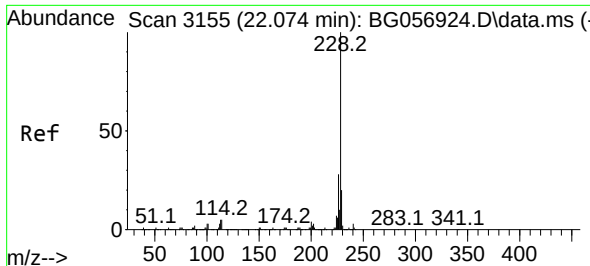


#79
Terphenyl-d14
Concen: 25.696 ng
RT: 20.328 min Scan# 2858
Delta R.T. -0.004 min
Lab File: BG057020.D
Acq: 6 Apr 2023 20:26



Tgt Ion:244 Resp: 158729
Ion Ratio Lower Upper
244 100
212 7.0 6.1 9.1
122 5.2 5.0 7.4





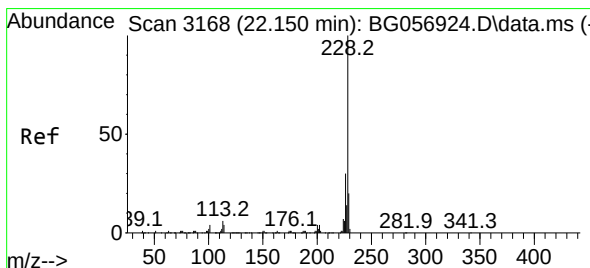
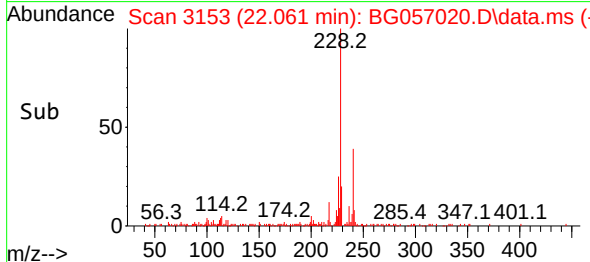
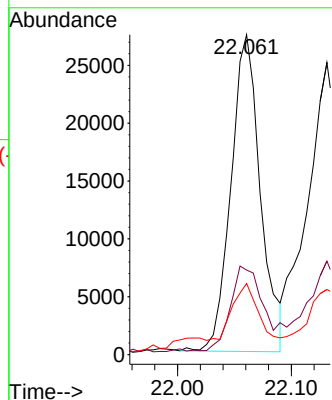
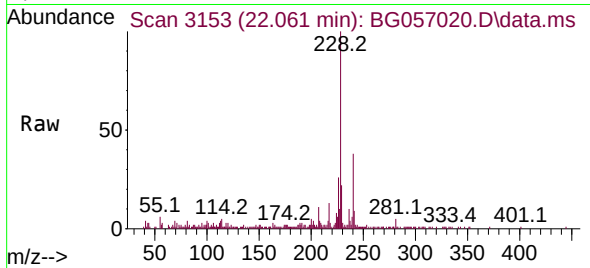
#81
Benzo(a)anthracene
Concen: 6.805 ng
RT: 22.061 min Scan# 3155
Delta R.T. -0.004 min
Lab File: BG057020.D
Acq: 6 Apr 2023 20:26

Instrument :
BNA_G
ClientSampleId :
RS-C

Tgt Ion:228 Resp: 4922
Ion Ratio Lower Upper
228 100
226 26.4 22.1 33.1
229 22.2 16.1 24.1

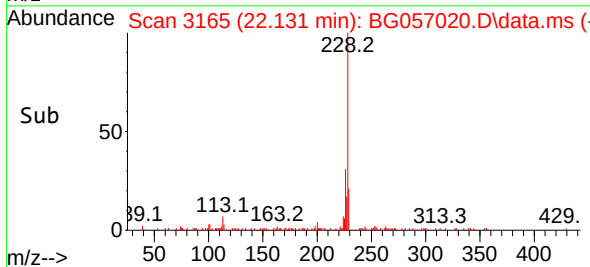
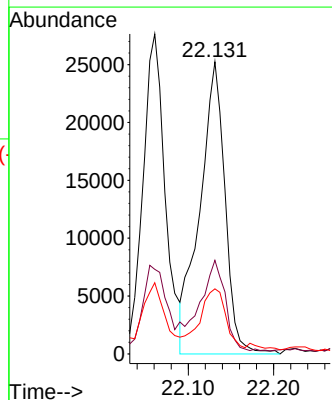
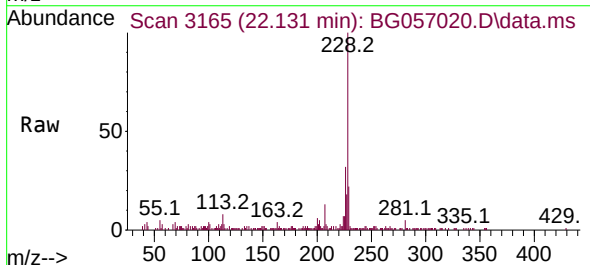
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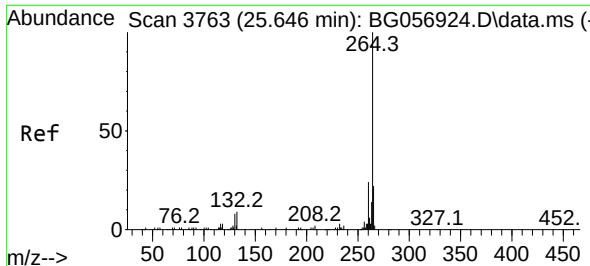
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023



#83
Chrysene
Concen: 7.680 ng
RT: 22.131 min Scan# 3165
Delta R.T. -0.004 min
Lab File: BG057020.D
Acq: 6 Apr 2023 20:26

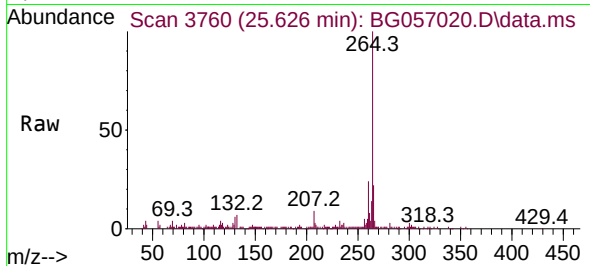
Tgt Ion:228 Resp: 52010
Ion Ratio Lower Upper
228 100
226 32.0 24.1 36.1
229 22.3 15.6 23.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.626 min Scan# 31
Delta R.T. 0.001 min
Lab File: BG057020.D
Acq: 6 Apr 2023 20:26

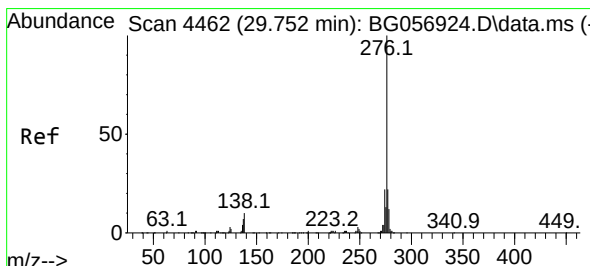
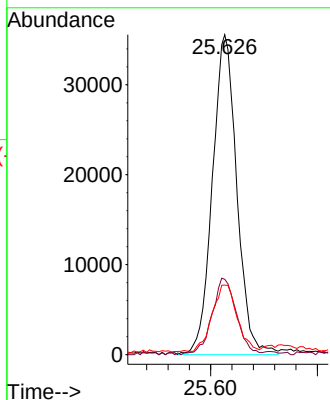
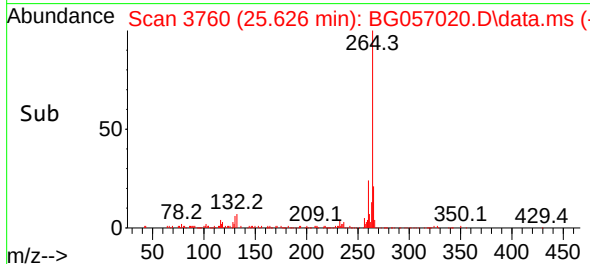
Instrument :
BNA_G
ClientSampleId :
RS-C



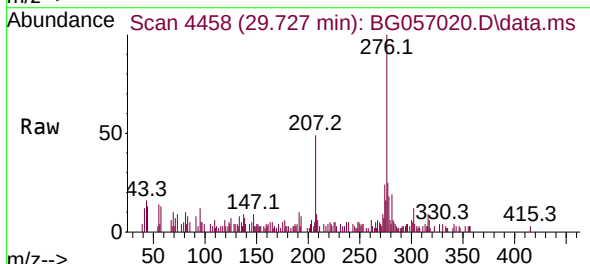
Tgt Ion:264 Resp: 113014
Ion Ratio Lower Upper
264 100
260 23.5 19.0 28.4
265 21.7 17.8 26.6

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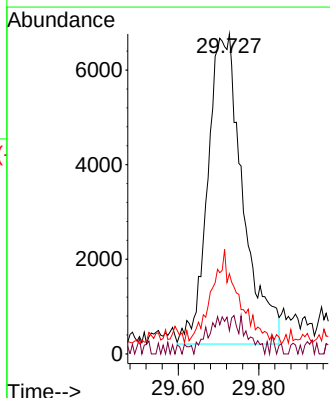
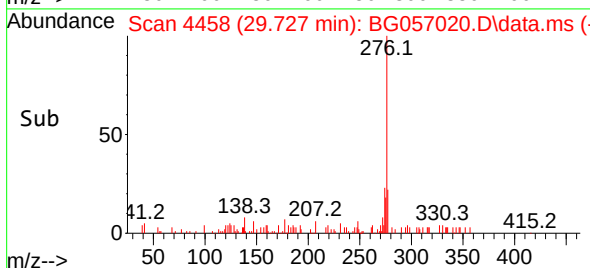
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023

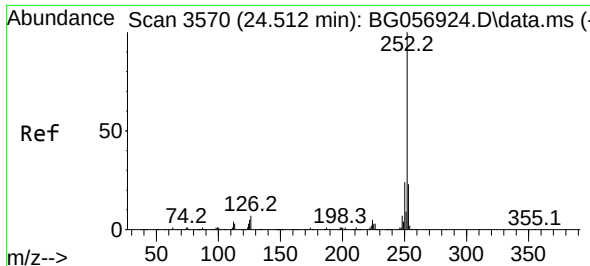


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.733 ng m
RT: 29.727 min Scan# 4458
Delta R.T. 0.001 min
Lab File: BG057020.D
Acq: 6 Apr 2023 20:26



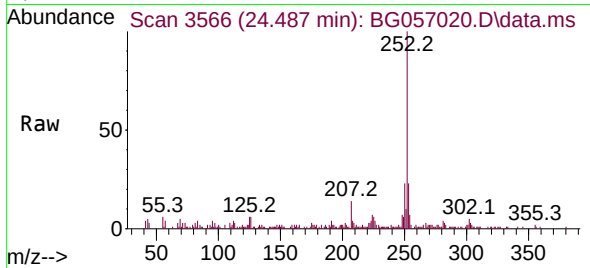
Tgt Ion:276 Resp: 39533
Ion Ratio Lower Upper
276 100
138 0.0 7.7 11.5#
277 21.7 21.0 31.4





#88
Benzo(b)fluoranthene
Concen: 10.713 ng m
RT: 24.487 min Scan# 3566
Delta R.T. -0.004 min
Lab File: BG057020.D
Acq: 6 Apr 2023 20:26

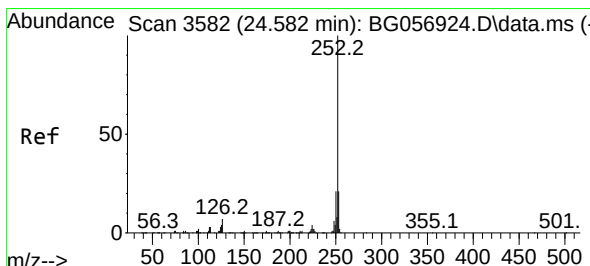
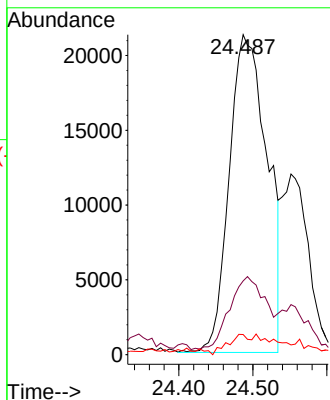
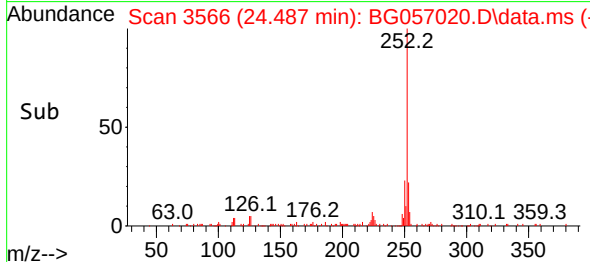
Instrument :
BNA_G
ClientSampleId :
RS-C



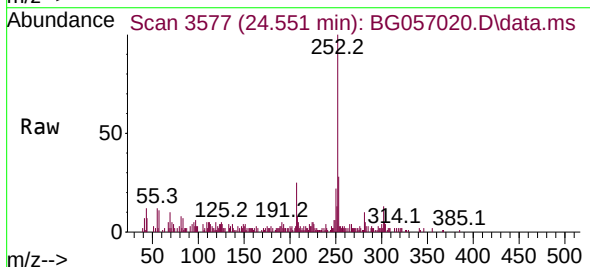
Tgt Ion:252 Resp: 75708
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 6.3 4.2 6.4

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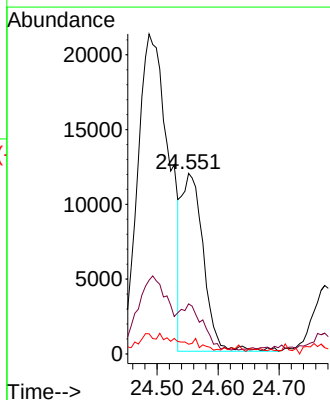
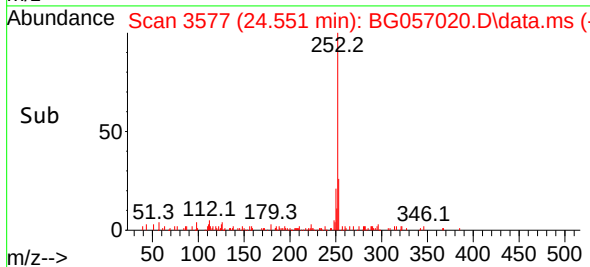
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023

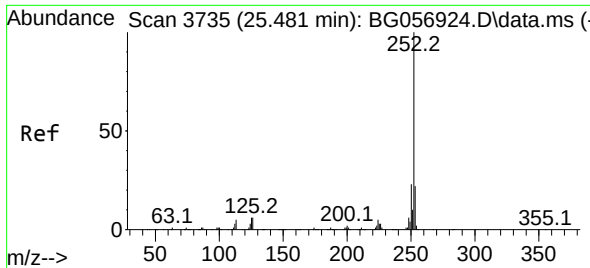


#89
Benzo(k)fluoranthene
Concen: 4.237 ng m
RT: 24.551 min Scan# 3577
Delta R.T. -0.016 min
Lab File: BG057020.D
Acq: 6 Apr 2023 20:26



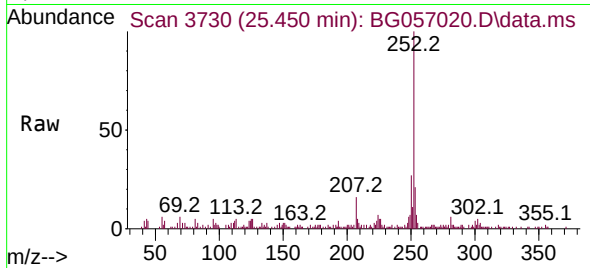
Tgt Ion:252 Resp: 29891
Ion Ratio Lower Upper
252 100
253 27.7 17.1 25.7#
125 5.4 3.8 5.6





#90
Benzo(a)pyrene
Concen: 8.296 ng
RT: 25.450 min Scan# 31
Delta R.T. -0.010 min
Lab File: BG057020.D
Acq: 6 Apr 2023 20:26

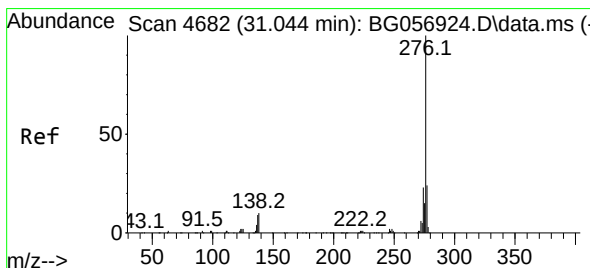
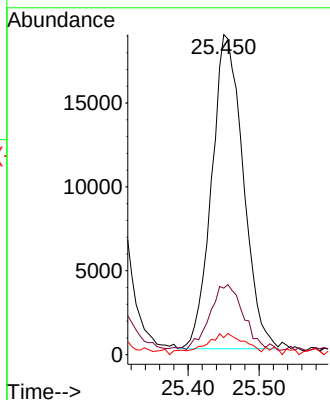
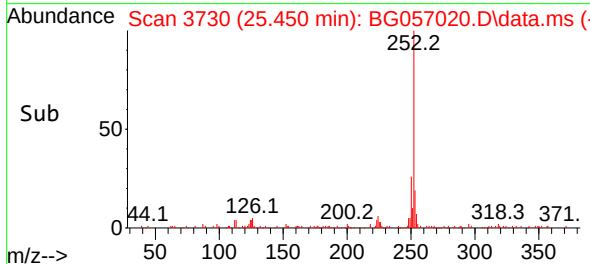
Instrument :
BNA_G
ClientSampleId :
RS-C



Tgt Ion:252 Resp: 57615
Ion Ratio Lower Upper
252 100
253 20.8 17.6 26.4
125 5.3 4.5 6.7

Manual Integrations
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Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023



#92
Benzo(g,h,i)perylene
Concen: 5.655 ng m
RT: 31.002 min Scan# 4675
Delta R.T. -0.010 min
Lab File: BG057020.D
Acq: 6 Apr 2023 20:26

Tgt Ion:276 Resp: 38015
Ion Ratio Lower Upper
276 100
277 25.1 19.1 28.7
138 11.0 8.2 12.2

