

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052422\
 Data File : BG053690.D
 Acq On : 24 May 2022 20:04
 Operator : CG/JU
 Sample : N2982-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-7

Quant Time: May 25 02:37:53 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 24 05:05:32 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/25/2022
 Supervised By :Jagrut Upadhyay 05/25/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.061	152	28114	20.000	ng	0.00
21) Naphthalene-d8	10.869	136	127478	20.000	ng	0.00
39) Acenaphthene-d10	14.687	164	96225	20.000	ng	0.00
64) Phenanthrene-d10	17.430	188	214429	20.000	ng	0.00
76) Chrysene-d12	21.707	240	200506	20.000	ng	0.00
86) Perylene-d12	24.973	264	206463	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.629	112	175838	106.147	ng	0.00
7) Phenol-d6	7.232	99	267382	106.354	ng	0.00
23) Nitrobenzene-d5	9.224	82	185058	61.796	ng	0.00
42) 2,4,6-Tribromophenol	16.179	330	122795	86.524	ng	0.00
45) 2-Fluorobiphenyl	13.307	172	418382	63.536	ng	0.00
79) Terphenyl-d14	20.039	244	652140	60.576	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.477	178	80473	7.381	ng	99
75) Fluoranthene	19.486	202	142528	10.096	ng	99
78) Pyrene	19.845	202	114413	8.815	ng	100
81) Benzo(a)anthracene	21.689	228	68928	5.390	ng	99
83) Chrysene	21.760	228	62814	5.259	ng	99
88) Benzo(b)fluoranthene	23.939	252	80249	6.567	ng	# 99
89) Benzo(k)fluoranthene	23.998	252	29658m	2.470	ng	
90) Benzo(a)pyrene	24.820	252	52970	5.092	ng	# 94

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

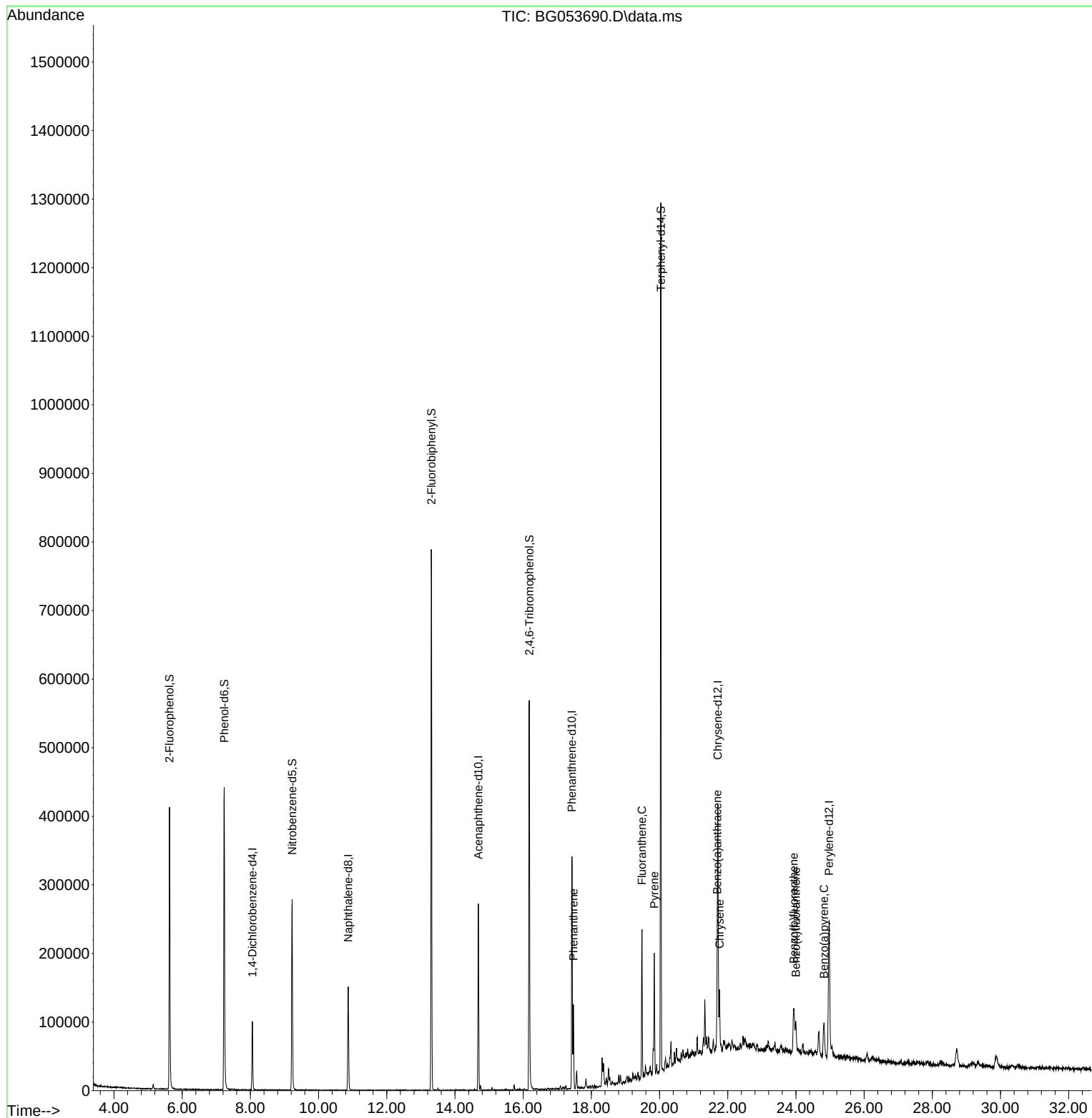
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052422\
Data File : BG053690.D
Acq On : 24 May 2022 20:04
Operator : CG/JU
Sample : N2982-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

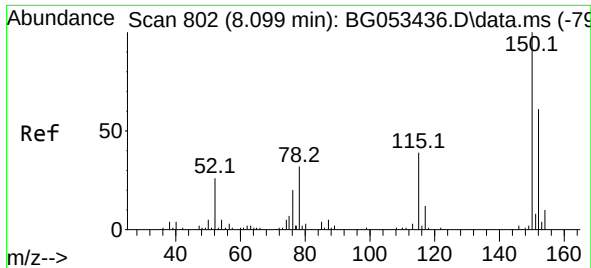
Instrument :
BNA_G
ClientSampleId :
P-7

Quant Time: May 25 02:37:53 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 24 05:05:32 2022
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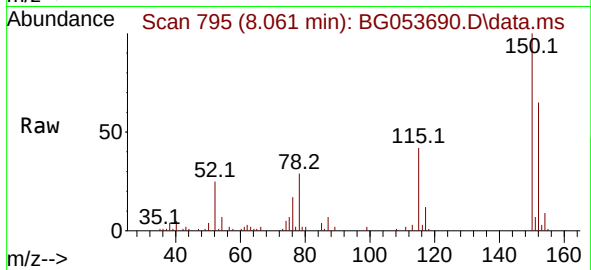
Reviewed By :Christian Giraldo 05/25/2022
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.061 min Scan# 795
Delta R.T. 0.003 min
Lab File: BG053690.D
Acq: 24 May 2022 20:04

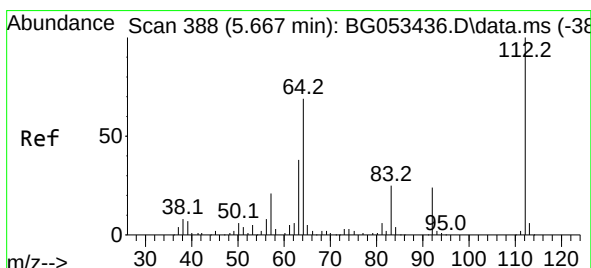
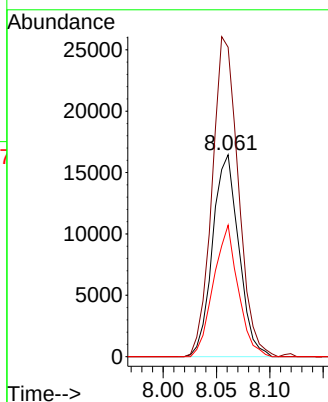
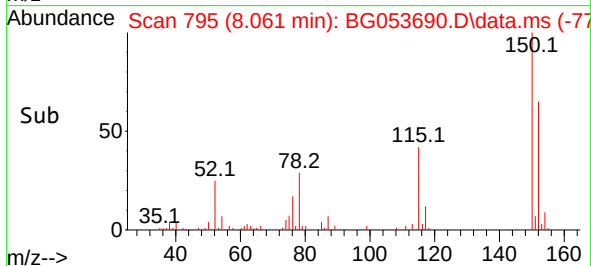
Instrument :
BNA_G
ClientSampleId :
P-7



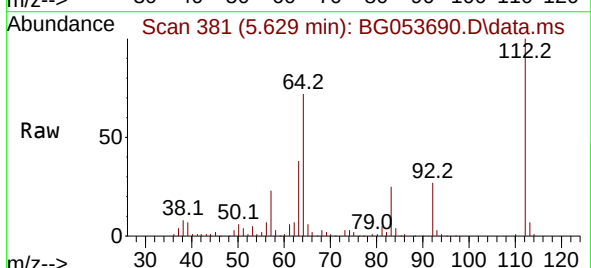
Tgt Ion:152 Resp: 28114
Ion Ratio Lower Upper
152 100
150 153.3 131.6 197.4
115 65.1 50.9 76.3

Manual Integrations
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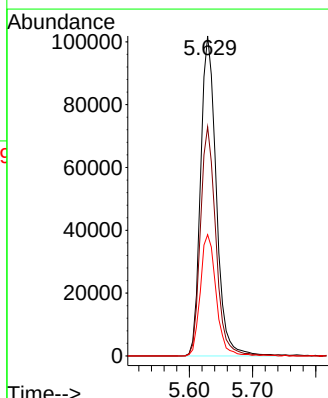
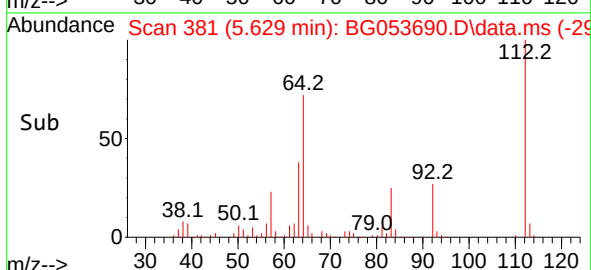
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

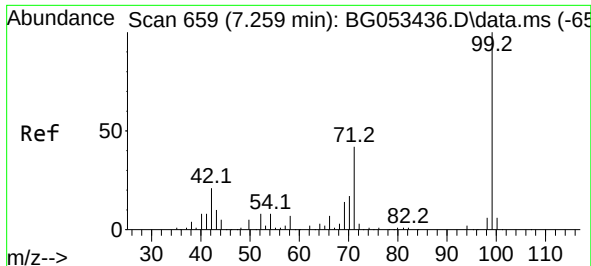


#5
2-Fluorophenol
Concen: 106.147 ng
RT: 5.629 min Scan# 381
Delta R.T. 0.003 min
Lab File: BG053690.D
Acq: 24 May 2022 20:04



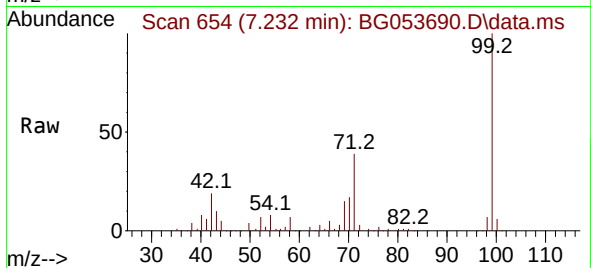
Tgt Ion:112 Resp: 175838
Ion Ratio Lower Upper
112 100
64 71.6 55.1 82.7
63 37.9 30.4 45.6





#7
Phenol-d6
Concen: 106.354 ng
RT: 7.232 min Scan# 61
Delta R.T. 0.003 min
Lab File: BG053690.D
Acq: 24 May 2022 20:04

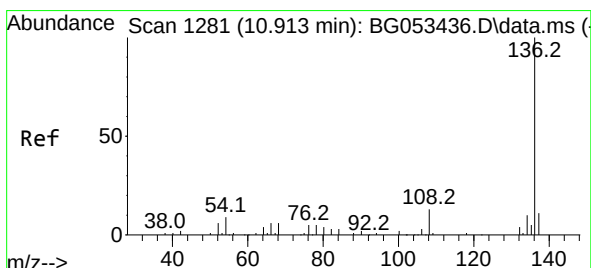
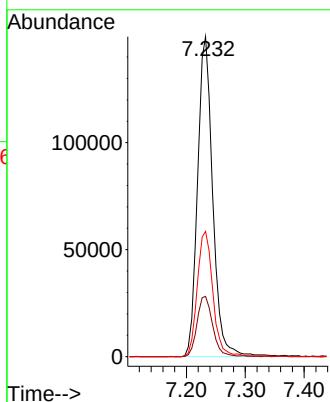
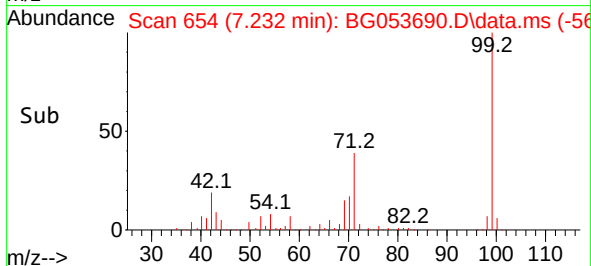
Instrument :
BNA_G
ClientSampleId :
P-7



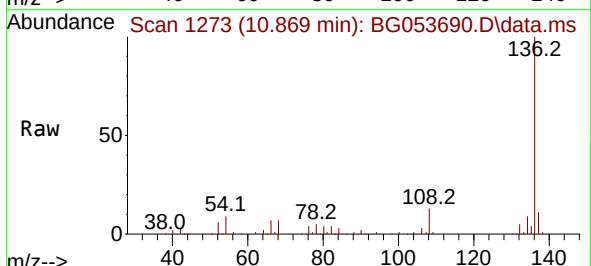
Tgt Ion: 99 Resp: 26738
Ion Ratio Lower Upper
99 100
42 18.8 17.0 25.6
71 39.2 33.8 50.8

Manual Integrations
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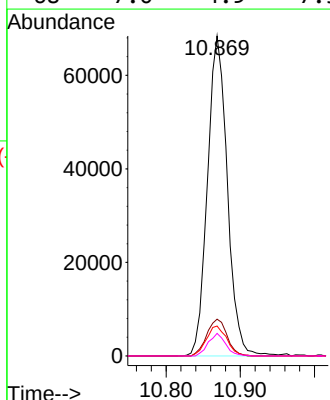
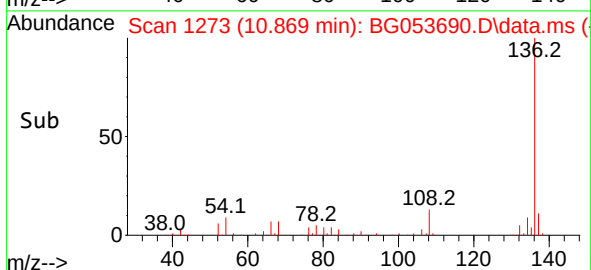
Reviewed By :Christian Giraldo 05/25/2022
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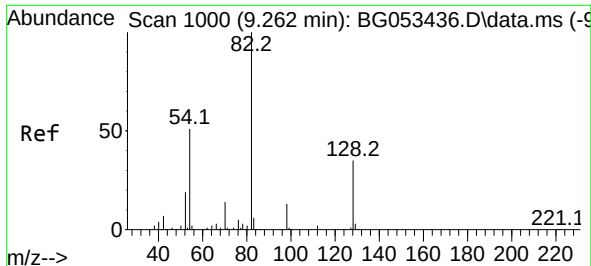


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.869 min Scan# 1273
Delta R.T. -0.003 min
Lab File: BG053690.D
Acq: 24 May 2022 20:04



Tgt Ion:136 Resp: 127478
Ion Ratio Lower Upper
136 100
137 11.5 8.5 12.7
54 9.3 7.4 11.2
68 7.0 4.9 7.3





#23

Nitrobenzene-d5

Concen: 61.796 ng

RT: 9.224 min Scan# 90

Delta R.T. -0.003 min

Lab File: BG053690.D

Acq: 24 May 2022 20:04

Instrument :

BNA_G

ClientSampleId :

P-7

Tgt Ion: 82 Resp: 185058

Ion Ratio Lower Upper

82 100

128 36.8 27.9 41.9

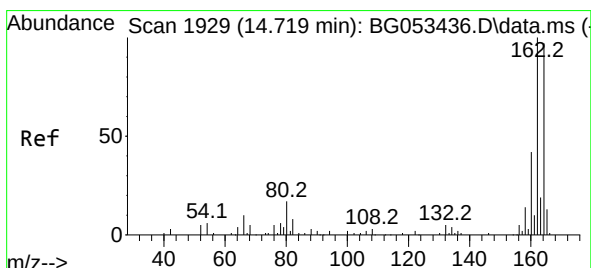
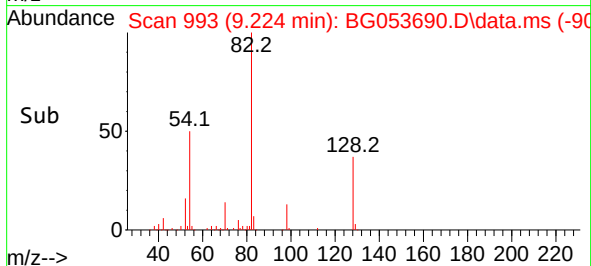
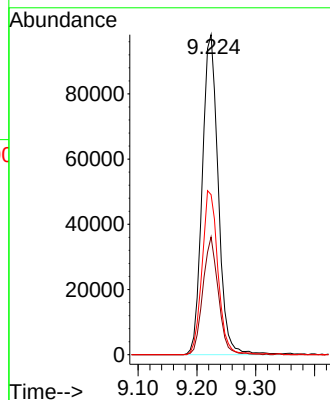
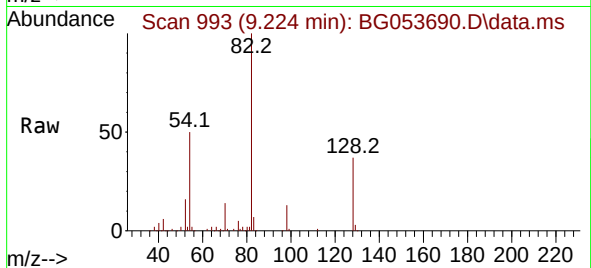
54 50.0 41.2 61.8

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.687 min Scan# 1923

Delta R.T. -0.003 min

Lab File: BG053690.D

Acq: 24 May 2022 20:04

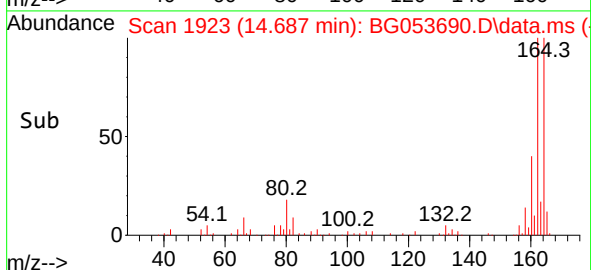
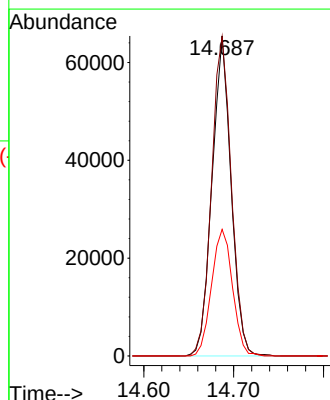
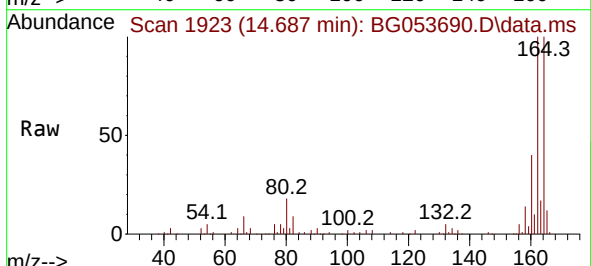
Tgt Ion:164 Resp: 96225

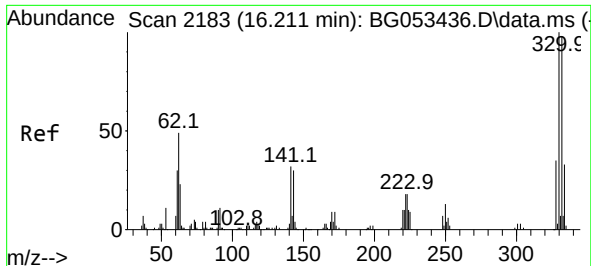
Ion Ratio Lower Upper

164 100

162 99.7 82.3 123.5

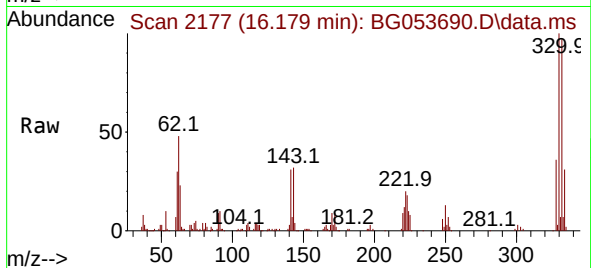
160 39.5 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 86.524 ng
RT: 16.179 min Scan# 2183
Delta R.T. -0.003 min
Lab File: BG053690.D
Acq: 24 May 2022 20:04

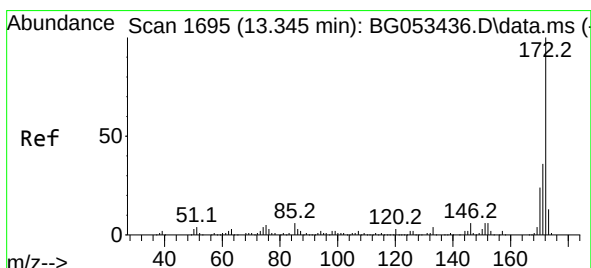
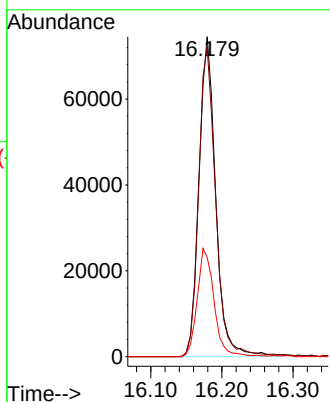
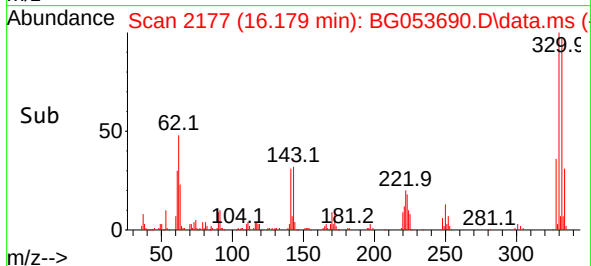
Instrument :
BNA_G
ClientSampleId :
P-7



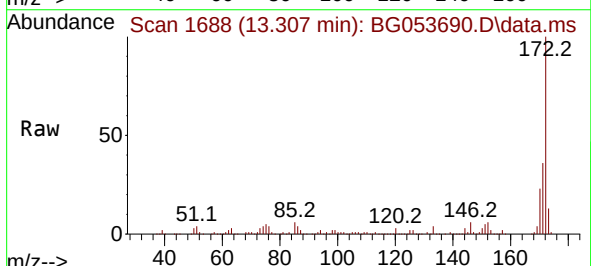
Tgt Ion: 330 Resp: 122795
Ion Ratio Lower Upper
330 100
332 98.0 76.0 114.0
141 34.0 27.1 40.7

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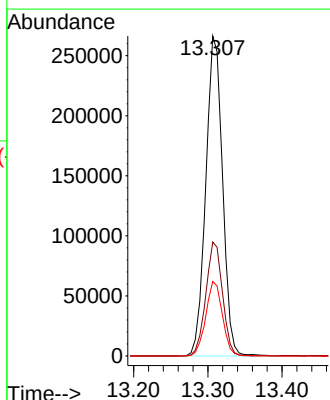
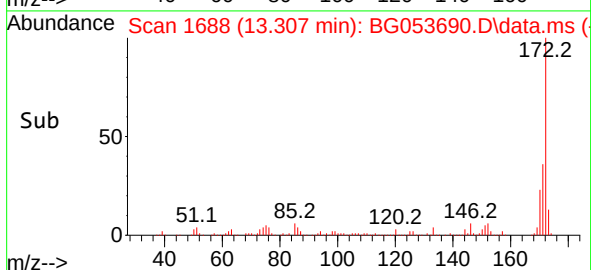
Reviewed By : Christian Giraldo 05/25/2022
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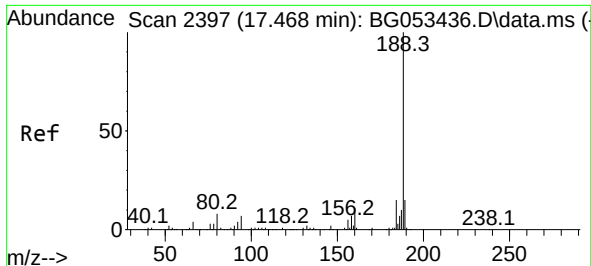


#45
2-Fluorobiphenyl
Concen: 63.536 ng
RT: 13.307 min Scan# 1688
Delta R.T. -0.009 min
Lab File: BG053690.D
Acq: 24 May 2022 20:04



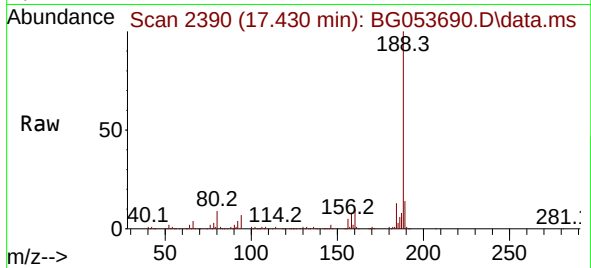
Tgt Ion: 172 Resp: 418382
Ion Ratio Lower Upper
172 100
171 35.6 28.5 42.7
170 23.3 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.430 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG053690.D
Acq: 24 May 2022 20:04

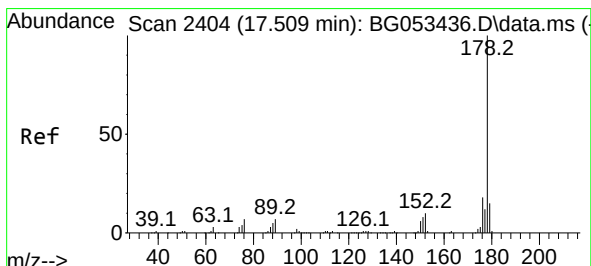
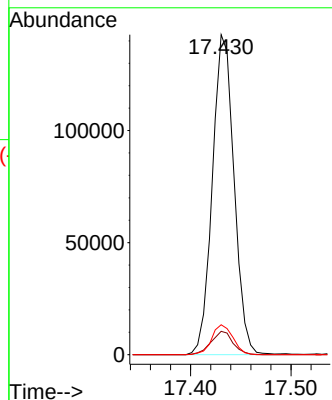
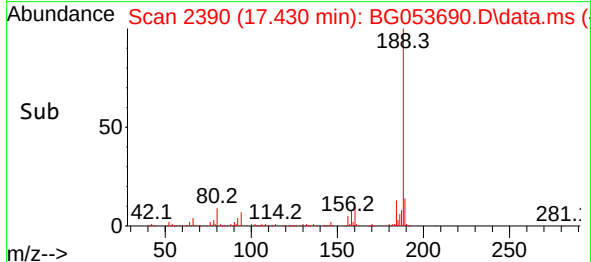
Instrument :
BNA_G
ClientSampleId :
P-7



Tgt Ion:188 Resp: 214429
Ion Ratio Lower Upper
188 100
94 7.3 5.4 8.0
80 9.4 6.8 10.2

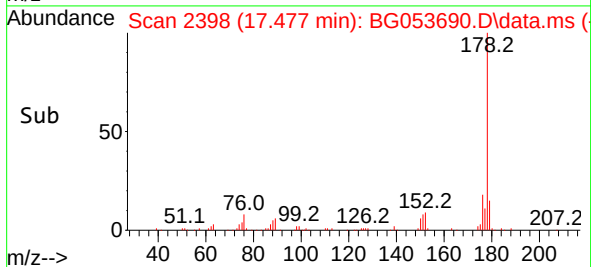
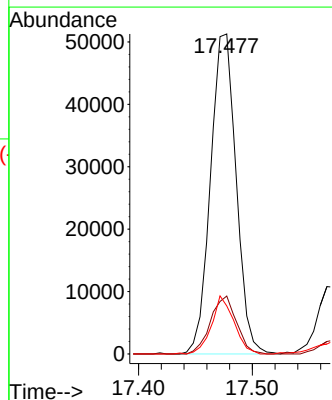
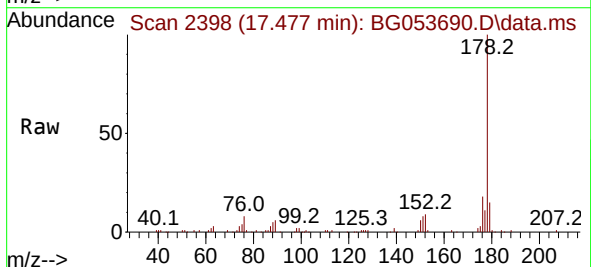
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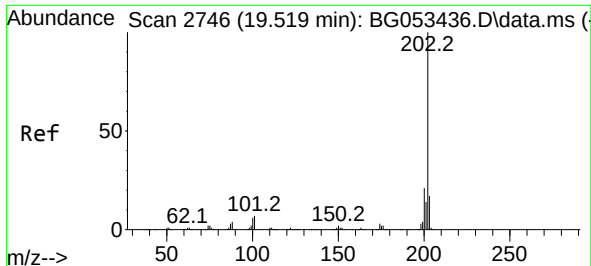
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#71
Phenanthrene
Concen: 7.381 ng
RT: 17.477 min Scan# 2398
Delta R.T. -0.003 min
Lab File: BG053690.D
Acq: 24 May 2022 20:04

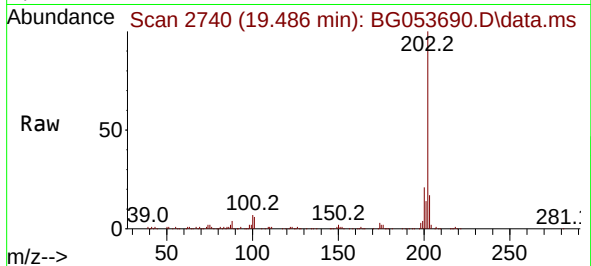
Tgt Ion:178 Resp: 80473
Ion Ratio Lower Upper
178 100
176 18.1 14.1 21.1
179 15.0 12.1 18.1





#75
Fluoranthene
Concen: 10.096 ng
RT: 19.486 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG053690.D
Acq: 24 May 2022 20:04

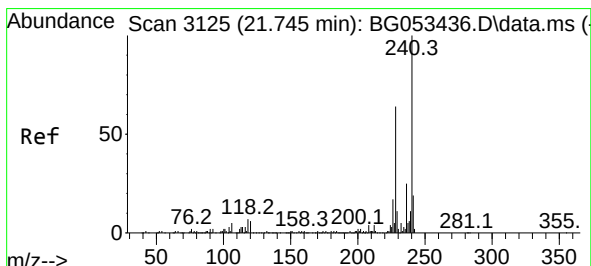
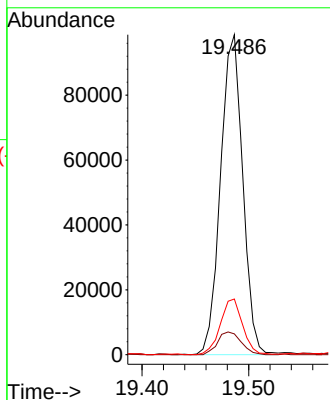
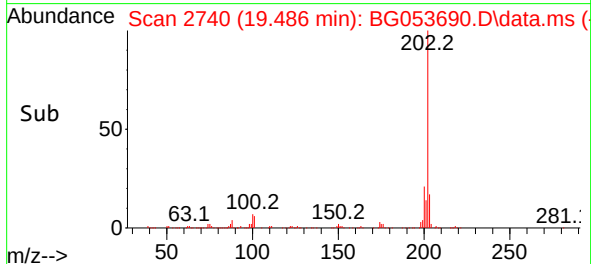
Instrument :
BNA_G
ClientSampleId :
P-7



Tgt Ion:202 Resp: 142528
Ion Ratio Lower Upper
202 100
101 6.5 0.0 26.9
203 17.4 0.0 37.2

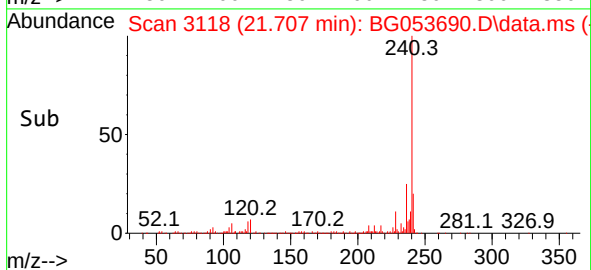
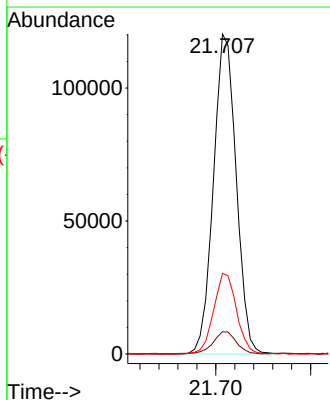
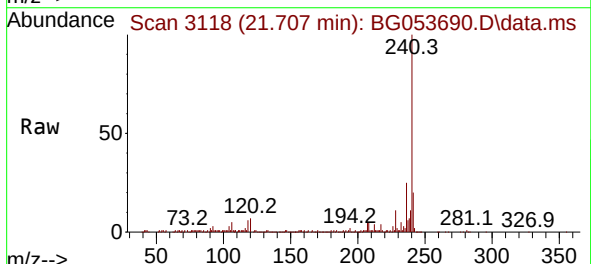
Manual Integrations
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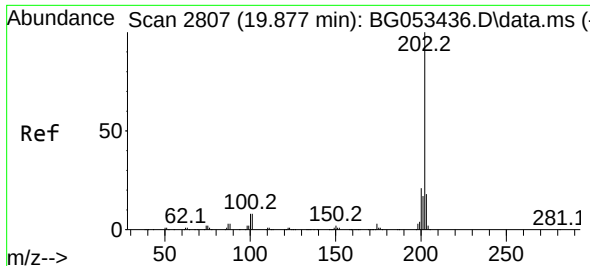
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.707 min Scan# 3118
Delta R.T. -0.009 min
Lab File: BG053690.D
Acq: 24 May 2022 20:04

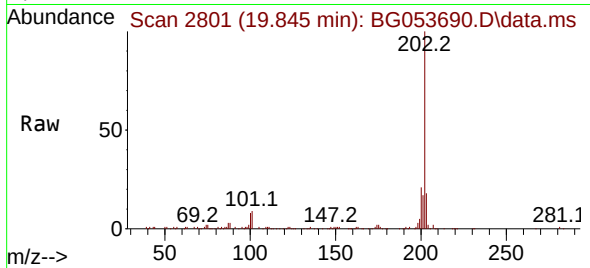
Tgt Ion:240 Resp: 200506
Ion Ratio Lower Upper
240 100
120 6.9 4.6 7.0
236 25.2 20.2 30.4





#78
 Pyrene
 Concen: 8.815 ng
 RT: 19.845 min Scan# 2801
 Delta R.T. -0.009 min
 Lab File: BG053690.D
 Acq: 24 May 2022 20:04

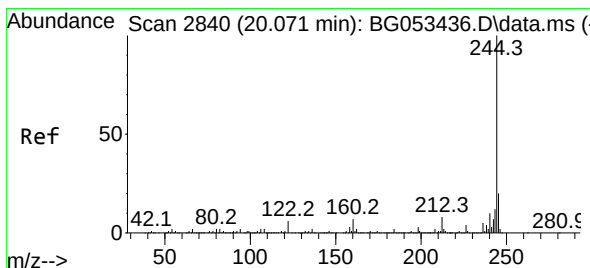
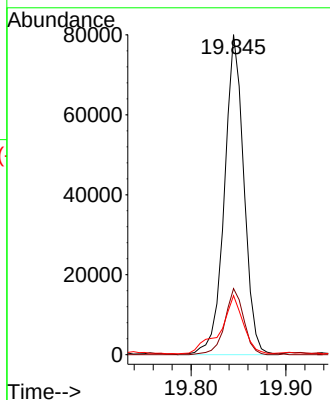
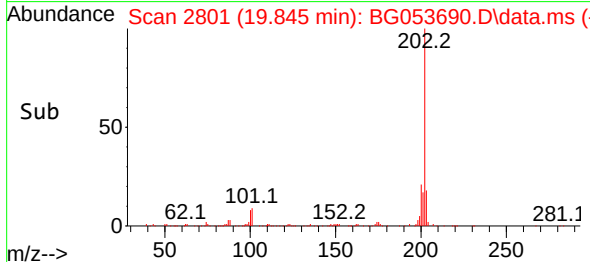
Instrument :
 BNA_G
 ClientSampleId :
 P-7



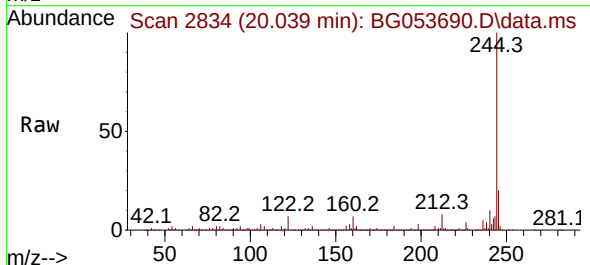
Tgt Ion:202 Resp: 11441
 Ion Ratio Lower Upper
 202 100
 200 20.6 16.6 24.8
 203 18.5 14.6 21.8

Manual Integrations
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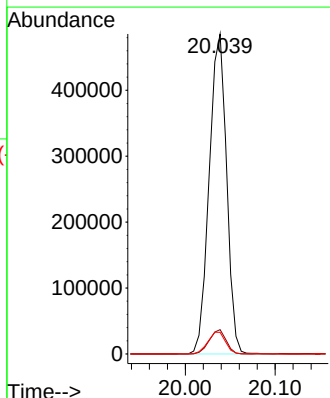
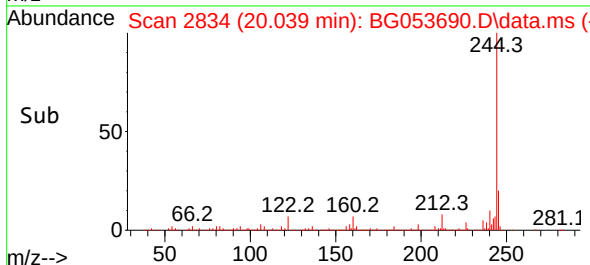
Reviewed By :Christian Giraldo 05/25/2022
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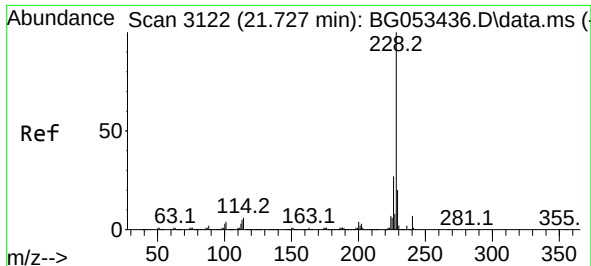


#79
 Terphenyl-d14
 Concen: 60.576 ng
 RT: 20.039 min Scan# 2834
 Delta R.T. -0.003 min
 Lab File: BG053690.D
 Acq: 24 May 2022 20:04



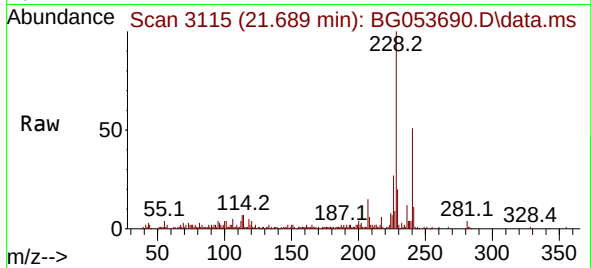
Tgt Ion:244 Resp: 652140
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.5 9.7
 122 6.7 5.0 7.4





#81
Benzo(a)anthracene
Concen: 5.390 ng
RT: 21.689 min Scan# 3115
Delta R.T. -0.009 min
Lab File: BG053690.D
Acq: 24 May 2022 20:04

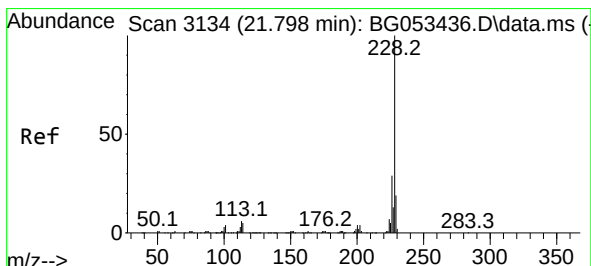
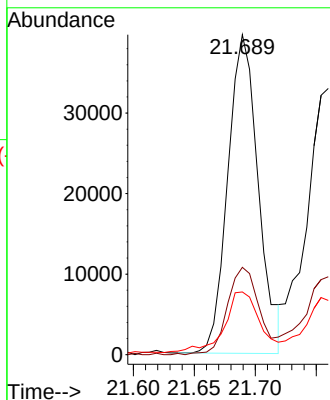
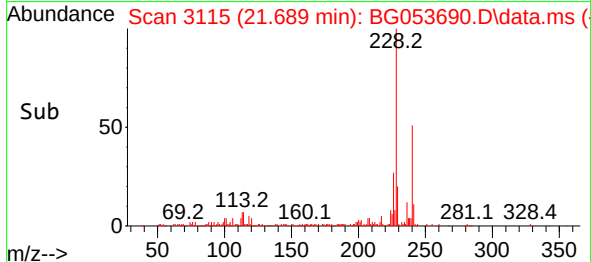
Instrument :
BNA_G
ClientSampleId :
P-7



Tgt Ion:228 Resp: 68928
Ion Ratio Lower Upper
228 100
226 27.3 21.6 32.4
229 19.6 16.2 24.2

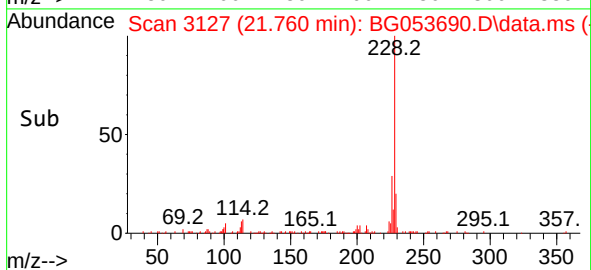
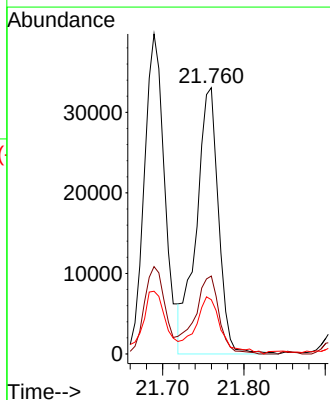
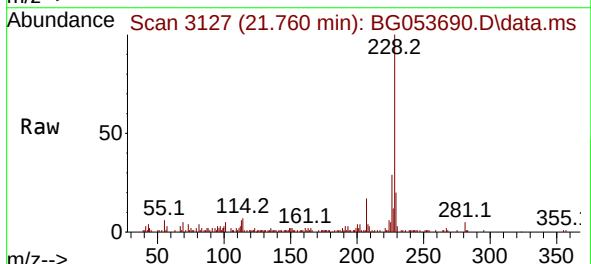
Manual Integrations
APPROVED

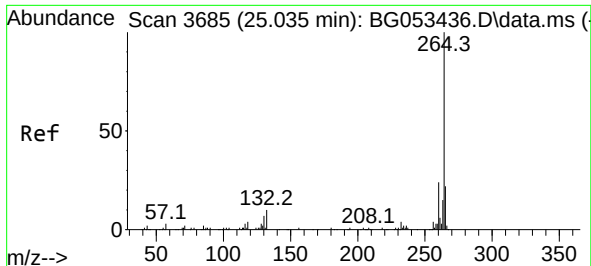
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#83
Chrysene
Concen: 5.259 ng
RT: 21.760 min Scan# 3127
Delta R.T. -0.003 min
Lab File: BG053690.D
Acq: 24 May 2022 20:04

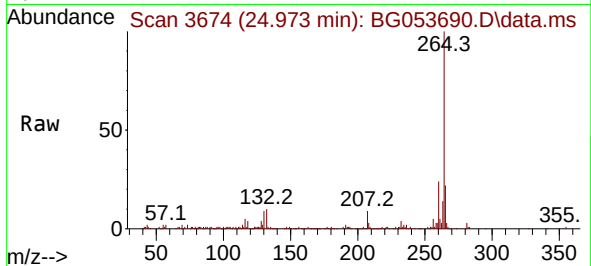
Tgt Ion:228 Resp: 62814
Ion Ratio Lower Upper
228 100
226 29.3 23.4 35.2
229 20.4 15.5 23.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.973 min Scan# 30
Delta R.T. -0.009 min
Lab File: BG053690.D
Acq: 24 May 2022 20:04

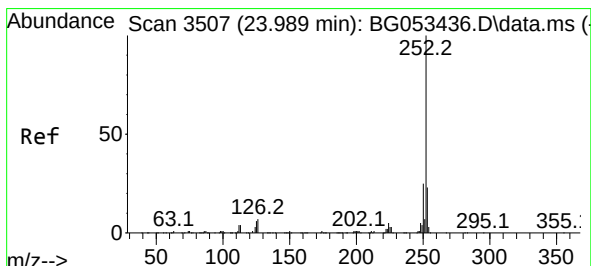
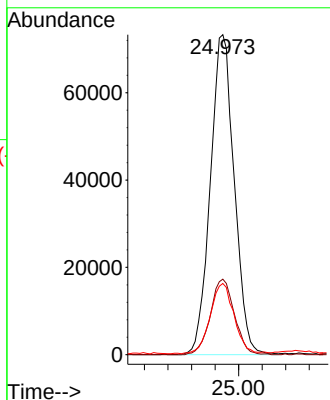
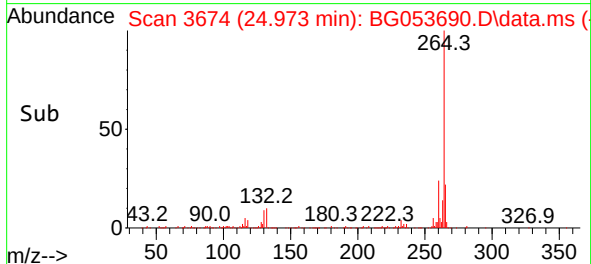
Instrument :
BNA_G
ClientSampleId :
P-7



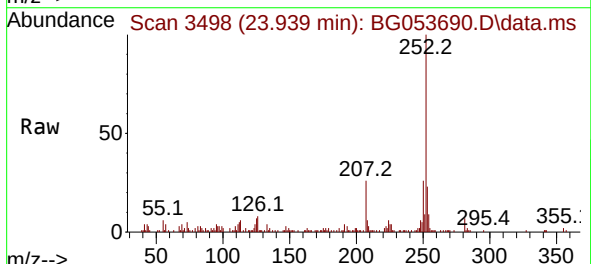
Tgt Ion:264 Resp: 20646
Ion Ratio Lower Upper
264 100
260 23.6 19.0 28.6
265 22.3 17.4 26.2

Manual Integrations
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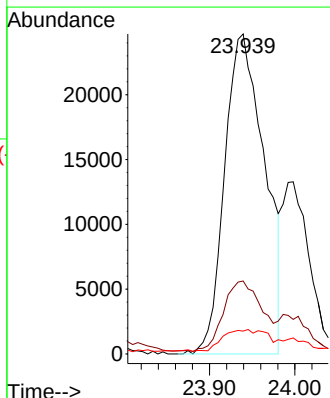
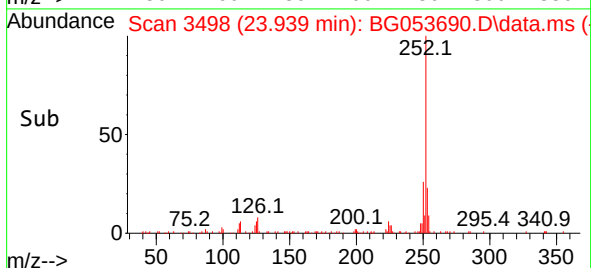
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

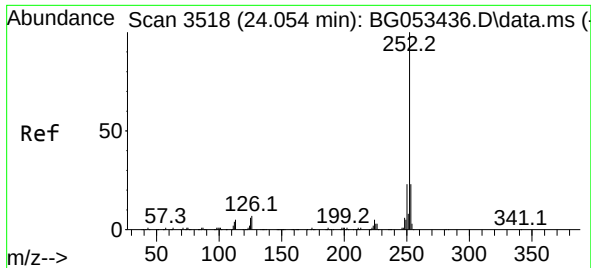


#88
Benzo(b)fluoranthene
Concen: 6.567 ng
RT: 23.939 min Scan# 3498
Delta R.T. -0.003 min
Lab File: BG053690.D
Acq: 24 May 2022 20:04



Tgt Ion:252 Resp: 80249
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 7.1 4.6 6.8#





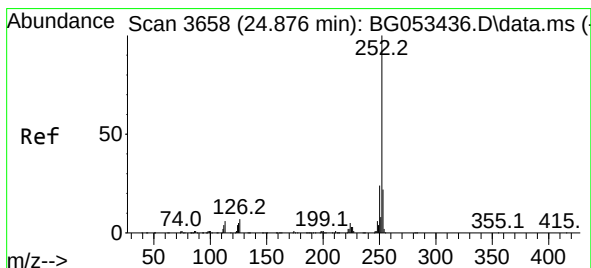
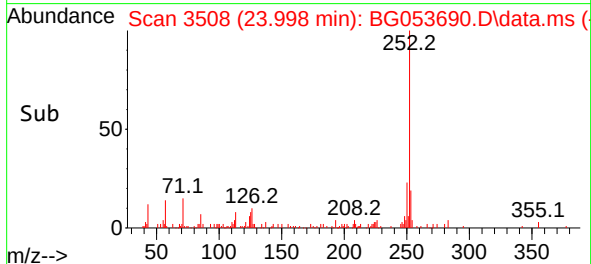
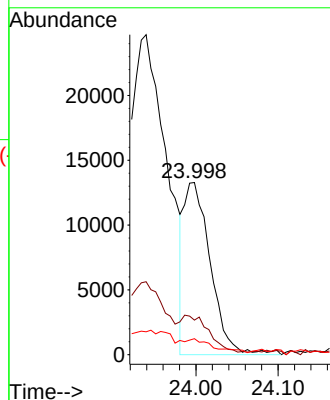
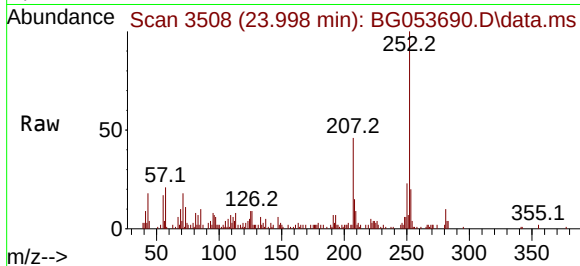
#89
Benzo(k)fluoranthene
Concen: 2.470 ng m
RT: 23.998 min Scan# 3518
Delta R.T. -0.015 min
Lab File: BG053690.D
Acq: 24 May 2022 20:04

Instrument :
BNA_G
ClientSampleId :
P-7

Tgt Ion:252 Resp: 29658
Ion Ratio Lower Upper
252 100
253 20.1 18.4 27.6
125 9.3 4.8 7.2

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#90
Benzo(a)pyrene
Concen: 5.092 ng
RT: 24.820 min Scan# 3648
Delta R.T. -0.009 min
Lab File: BG053690.D
Acq: 24 May 2022 20:04

Tgt Ion:252 Resp: 52970
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.8
125 10.2 4.3 6.5

