

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120222\
 Data File : BG055880.D
 Acq On : 2 Dec 2022 19:09
 Operator : CG/JU
 Sample : N5804-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-1-STOCK

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/05/2022
 Supervised By : Jagrut Upadhyay 12/05/2022

Quant Time: Dec 03 04:31:19 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 02 04:07:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.200	152	41129	20.000	ng	0.00
21) Naphthalene-d8	11.026	136	181718	20.000	ng	-0.01
39) Acenaphthene-d10	14.828	164	127152	20.000	ng	-0.01
64) Phenanthrene-d10	17.566	188	270446	20.000	ng	-0.01
76) Chrysene-d12	21.855	240	255022	20.000	ng	-0.01
86) Perylene-d12	25.227	264	271630	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.733	112	283900	124.767	ng	0.00
7) Phenol-d6	7.354	99	386673	127.658	ng	0.00
23) Nitrobenzene-d5	9.375	82	250944	72.990	ng	-0.01
42) 2,4,6-Tribromophenol	16.314	330	182114	101.713	ng	-0.01
45) 2-Fluorobiphenyl	13.447	172	591915	69.740	ng	-0.01
79) Terphenyl-d14	20.157	244	808265	63.392	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.607	178	73821	5.058	ng	98
75) Fluoranthene	19.610	202	261982	14.755	ng	100
78) Pyrene	19.969	202	243963	14.133	ng	99
81) Benzo(a)anthracene	21.837	228	179839	10.239	ng	100
83) Chrysene	21.902	228	174576	10.440	ng	100
87) Indeno(1,2,3-cd)pyrene	29.111	276	107461	4.829	ng	# 95
88) Benzo(b)fluoranthene	24.152	252	268451	15.175	ng	99
89) Benzo(k)fluoranthene	24.217	252	74395m	4.219	ng	
90) Benzo(a)pyrene	25.069	252	147467	9.714	ng	99
92) Benzo(g,h,i)perylene	30.321	276	91765	5.007	ng	97

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

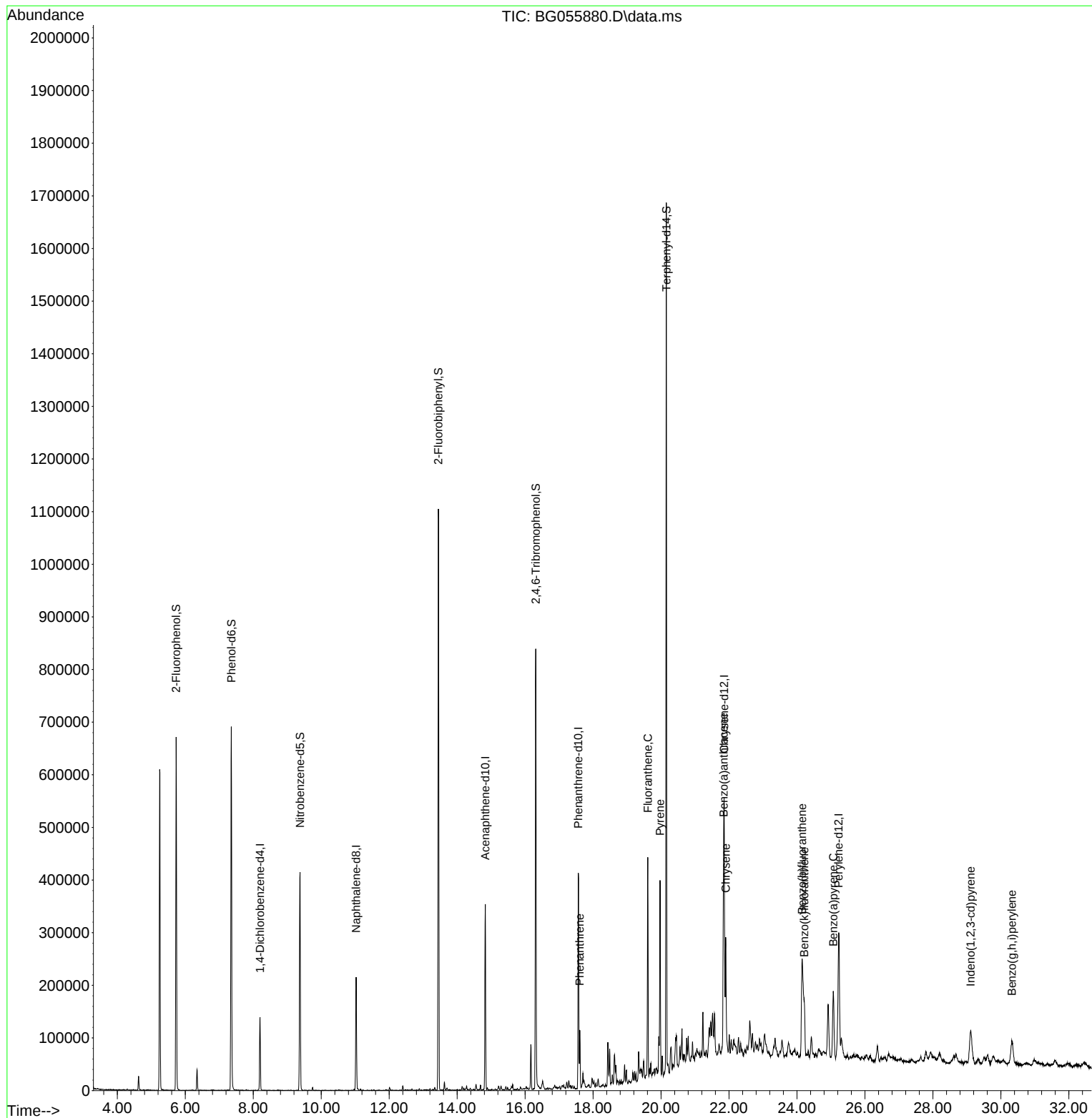
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120222\
Data File : BG055880.D
Acq On : 2 Dec 2022 19:09
Operator : CG/JU
Sample : N5804-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

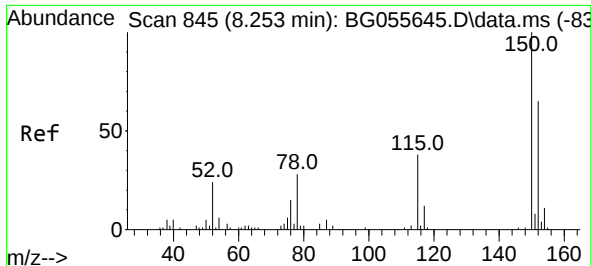
Instrument :
BNA_G
ClientSampleId :
SB-1-STOCK

Quant Time: Dec 03 04:31:19 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 02 04:07:17 2022
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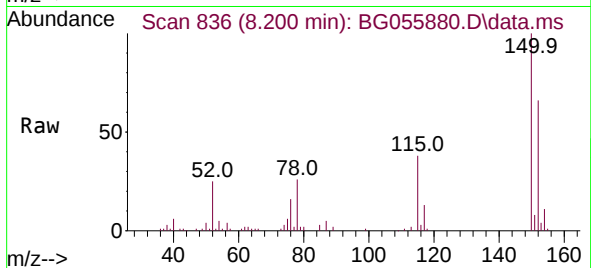
Reviewed By : Christian Giraldo 12/05/2022
Supervised By : Jagrut Upadhyay 12/05/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.200 min Scan# 845
Delta R.T. -0.005 min
Lab File: BG055880.D
Acq: 2 Dec 2022 19:09

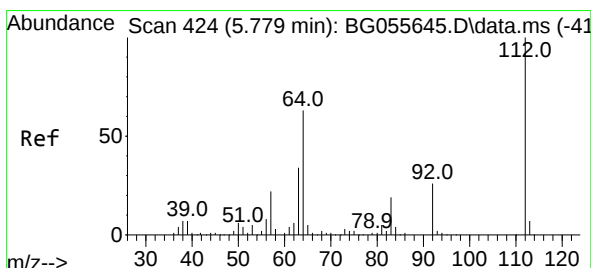
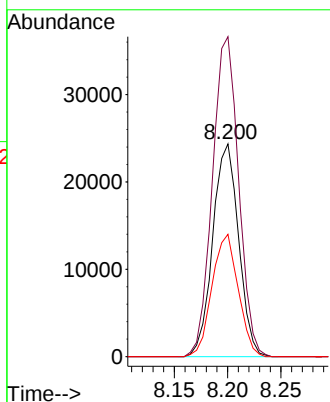
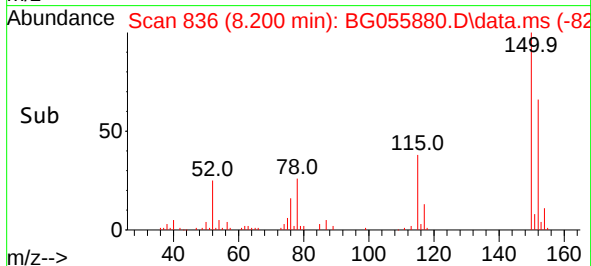
Instrument :
BNA_G
ClientSampleId :
SB-1-STOCK



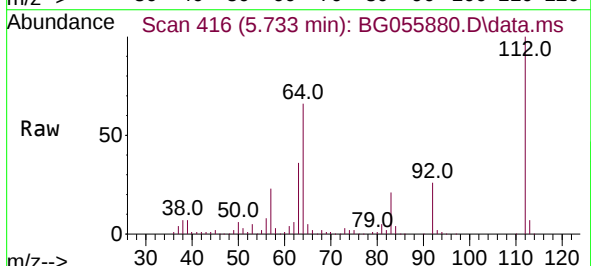
Tgt Ion:152 Resp: 41129
Ion Ratio Lower Upper
152 100
150 150.5 123.0 184.6
115 57.5 47.0 70.4

Manual Integrations
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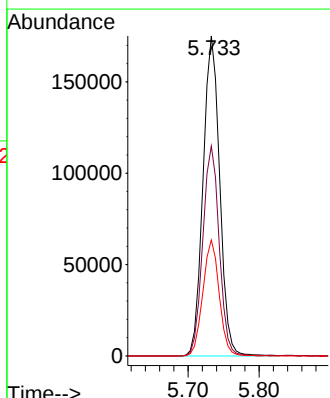
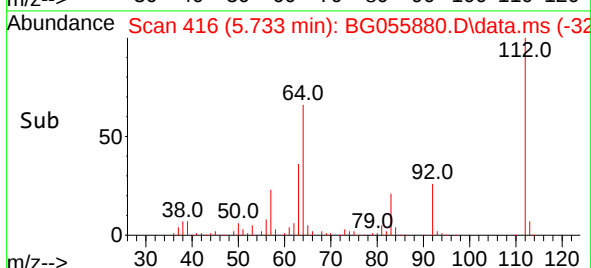
Reviewed By :Christian Giraldo 12/05/2022
Supervised By :Jagrut Upadhyay 12/05/2022

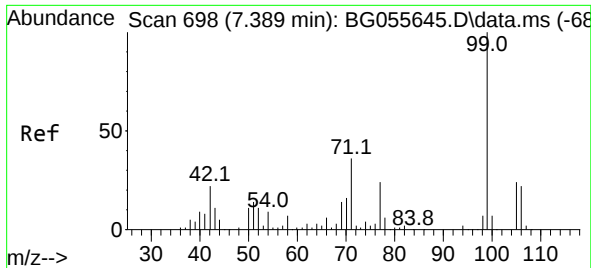


#5
2-Fluorophenol
Concen: 124.767 ng
RT: 5.733 min Scan# 416
Delta R.T. -0.005 min
Lab File: BG055880.D
Acq: 2 Dec 2022 19:09



Tgt Ion:112 Resp: 283900
Ion Ratio Lower Upper
112 100
64 65.6 50.6 76.0
63 36.2 27.5 41.3





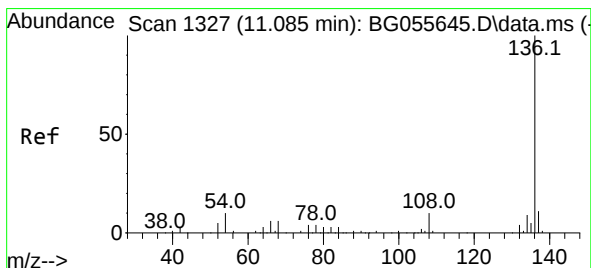
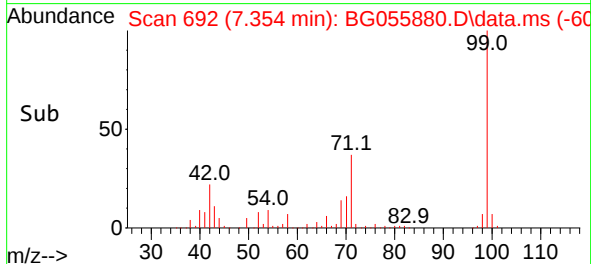
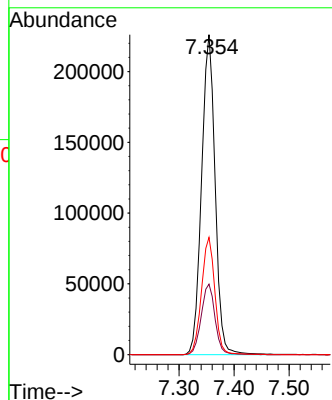
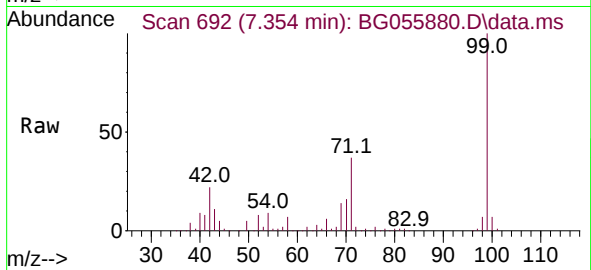
#7
Phenol-d6
Concen: 127.658 ng
RT: 7.354 min Scan# 698
Delta R.T. -0.005 min
Lab File: BG055880.D
Acq: 2 Dec 2022 19:09

Instrument :
BNA_G
ClientSampleId :
SB-1-STOCK

Tgt Ion: 99 Resp: 386673
Ion Ratio Lower Upper
99 100
42 22.0 18.0 27.0
71 36.6 29.0 43.6

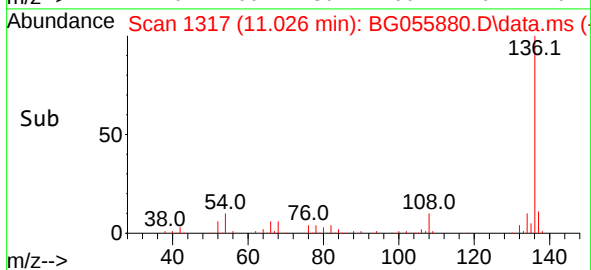
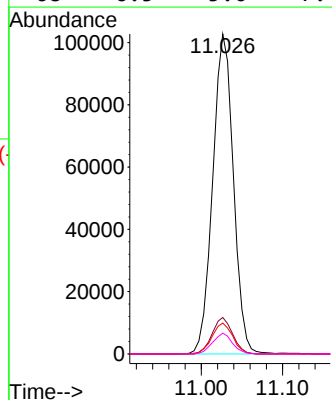
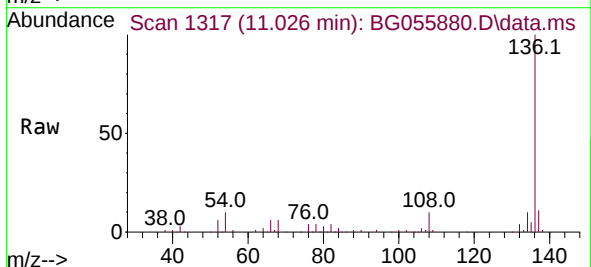
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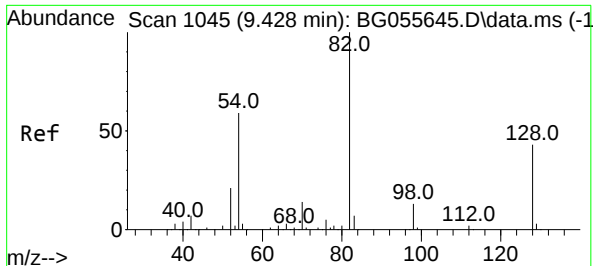
Reviewed By :Christian Giraldo 12/05/2022
Supervised By :Jagrut Upadhyay 12/05/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.026 min Scan# 1317
Delta R.T. -0.011 min
Lab File: BG055880.D
Acq: 2 Dec 2022 19:09

Tgt Ion:136 Resp: 181718
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.6
54 9.6 7.8 11.6
68 6.5 5.0 7.4





#23

Nitrobenzene-d5

Concen: 72.990 ng

RT: 9.375 min Scan# 1045

Delta R.T. -0.011 min

Lab File: BG055880.D

Acq: 2 Dec 2022 19:09

Instrument :

BNA_G

ClientSampleId :

SB-1-STOCK

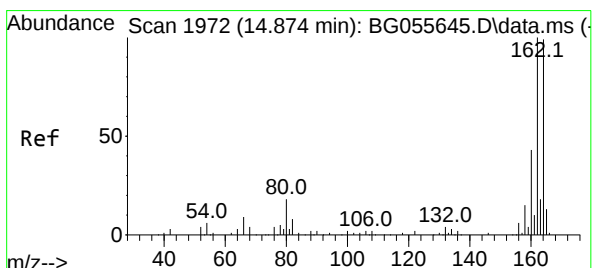
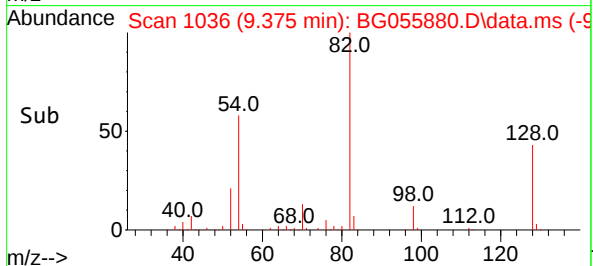
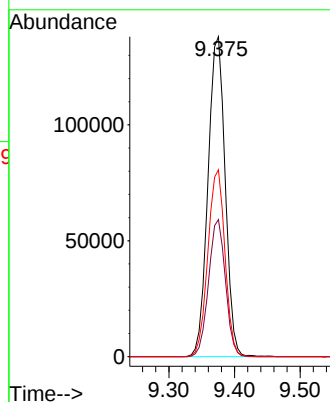
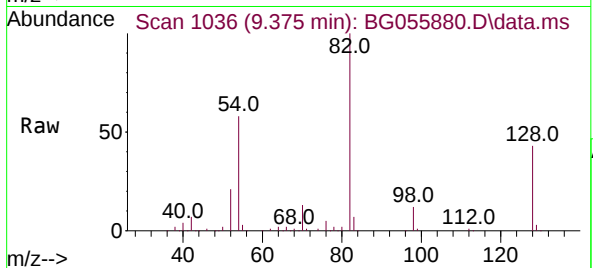
Tgt Ion: 82 Resp: 250944

Ion	Ratio	Lower	Upper
82	100		
128	42.8	34.1	51.1
54	58.4	47.3	70.9

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.828 min Scan# 1964

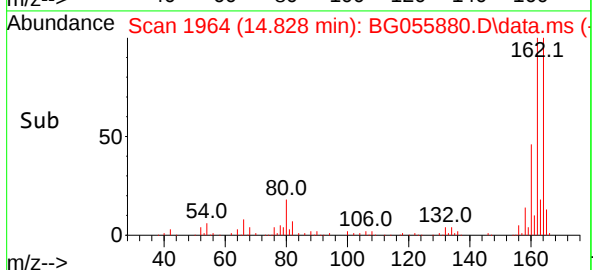
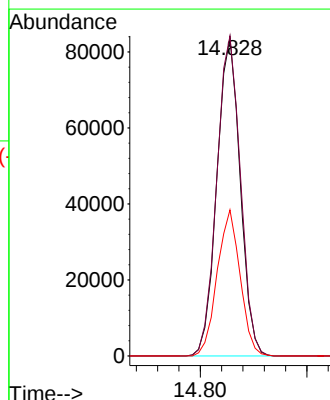
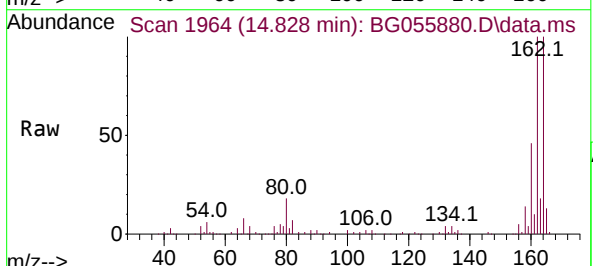
Delta R.T. -0.011 min

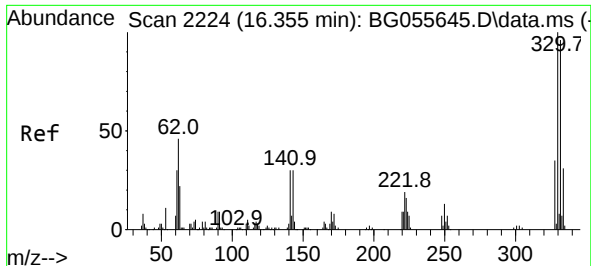
Lab File: BG055880.D

Acq: 2 Dec 2022 19:09

Tgt Ion:164 Resp: 127152

Ion	Ratio	Lower	Upper
164	100		
162	100.5	81.1	121.7
160	45.8	34.8	52.2





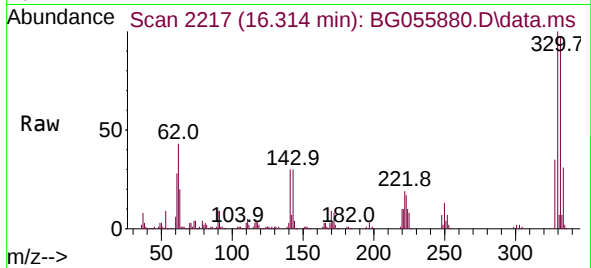
#42
2,4,6-Tribromophenol
Concen: 101.713 ng
RT: 16.314 min Scan# 21
Delta R.T. -0.011 min
Lab File: BG055880.D
Acq: 2 Dec 2022 19:09

Instrument :

BNA_G

ClientSampleId :

SB-1-STOCK

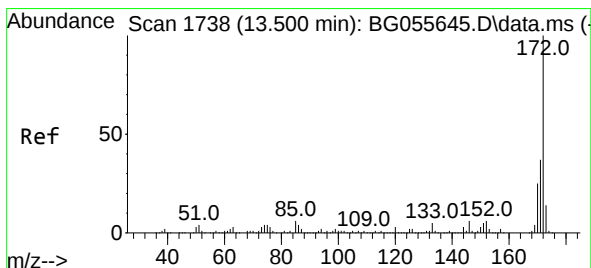
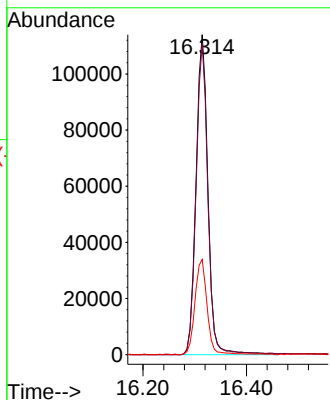
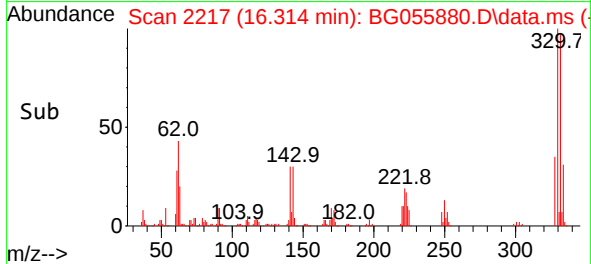


Tgt Ion:330 Resp: 182114
Ion Ratio Lower Upper
330 100
332 96.0 77.8 116.8
141 30.4 23.9 35.9

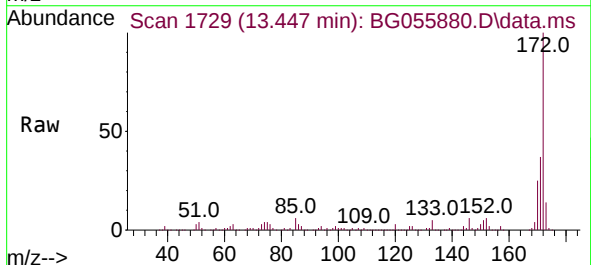
Manual Integrations

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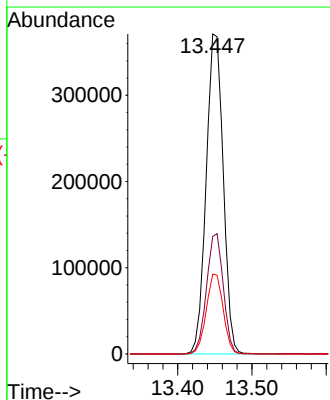
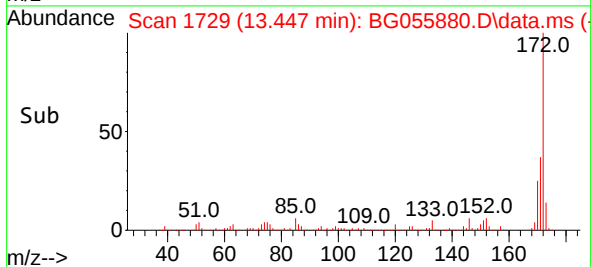
Reviewed By :Christian Giraldo 12/05/2022
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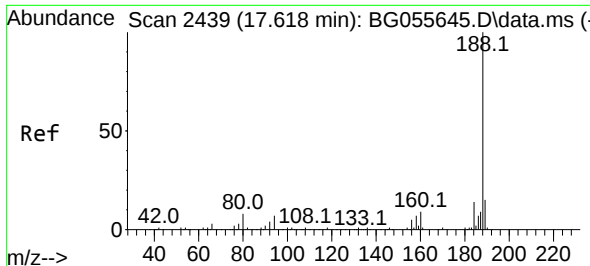


#45
2-Fluorobiphenyl
Concen: 69.740 ng
RT: 13.447 min Scan# 1729
Delta R.T. -0.011 min
Lab File: BG055880.D
Acq: 2 Dec 2022 19:09



Tgt Ion:172 Resp: 591915
Ion Ratio Lower Upper
172 100
171 36.7 29.8 44.6
170 24.9 20.2 30.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.566 min Scan# 2439
Delta R.T. -0.011 min
Lab File: BG055880.D
Acq: 2 Dec 2022 19:09

Instrument :

BNA_G

ClientSampleId :

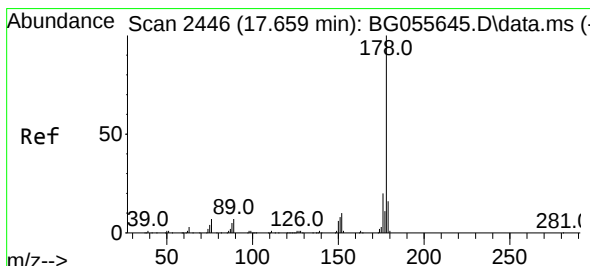
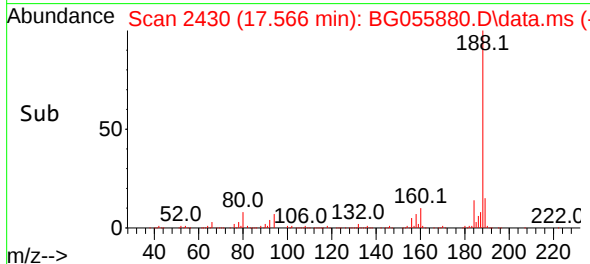
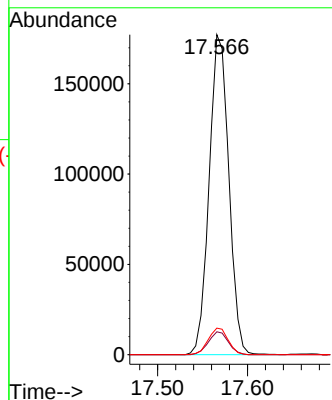
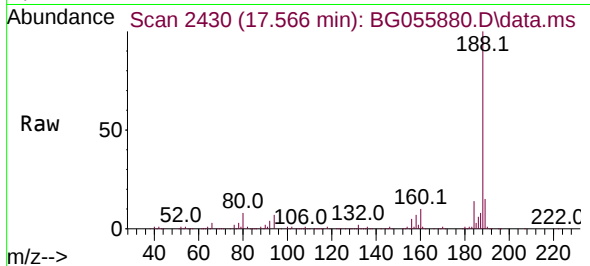
SB-1-STOCK

Tgt Ion:188 Resp: 270446
Ion Ratio Lower Upper
188 100
94 7.1 5.4 8.2
80 8.3 6.6 10.0

Manual Integrations

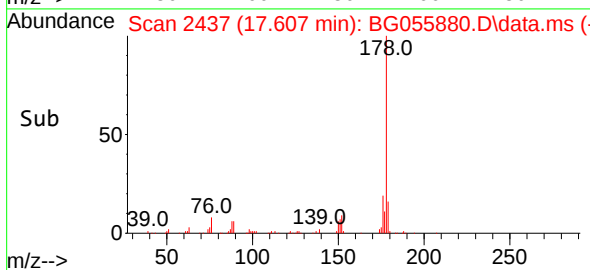
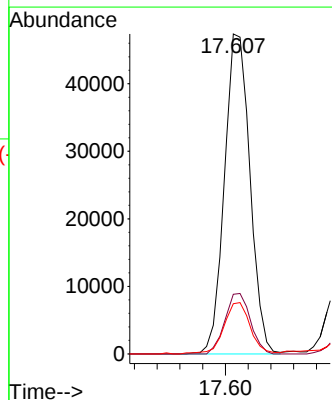
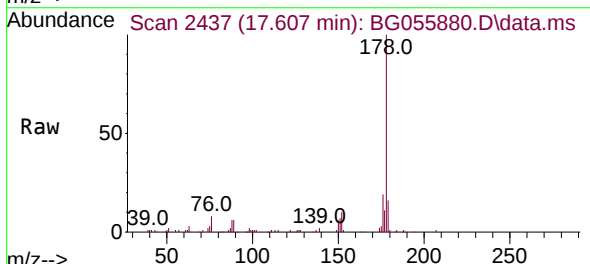
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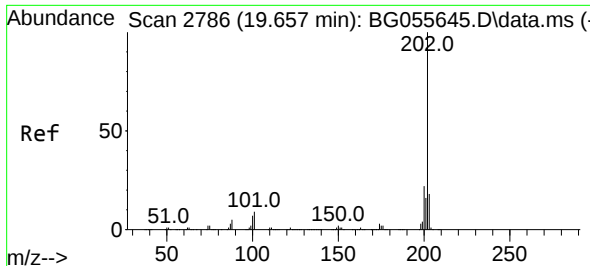
Reviewed By :Christian Giraldo 12/05/2022
Supervised By :Jagrut Upadhyay 12/05/2022



#71
Phenanthrene
Concen: 5.058 ng
RT: 17.607 min Scan# 2437
Delta R.T. -0.017 min
Lab File: BG055880.D
Acq: 2 Dec 2022 19:09

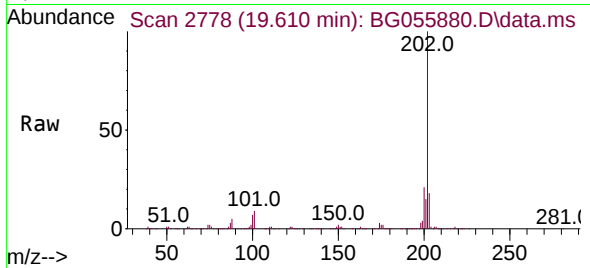
Tgt Ion:178 Resp: 73821
Ion Ratio Lower Upper
178 100
176 18.6 16.0 24.0
179 15.7 12.7 19.1





#75
Fluoranthene
Concen: 14.755 ng
RT: 19.610 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG055880.D
Acq: 2 Dec 2022 19:09

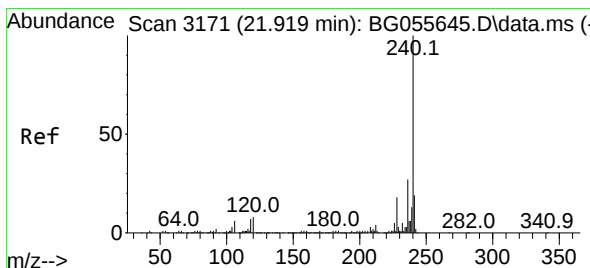
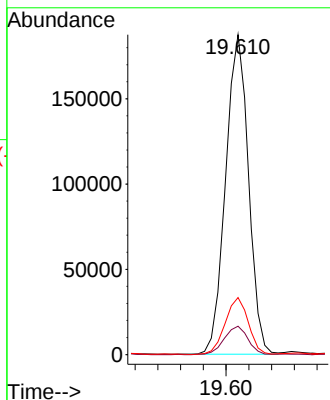
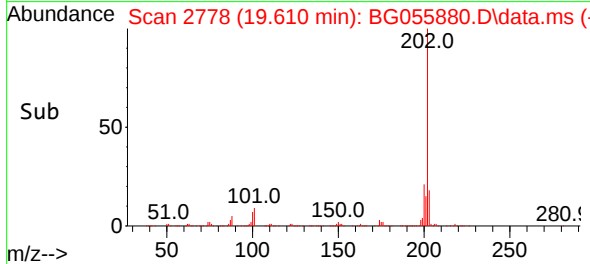
Instrument :
BNA_G
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Tgt Ion:202 Resp: 261982
Ion Ratio Lower Upper
202 100
101 8.9 0.0 28.8
203 17.9 0.0 38.1

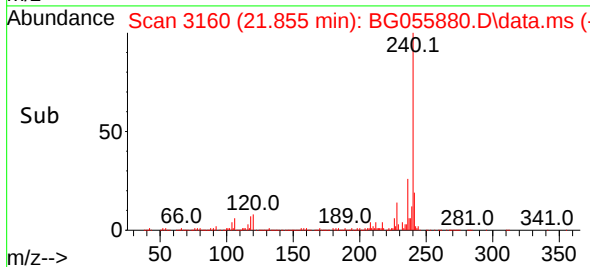
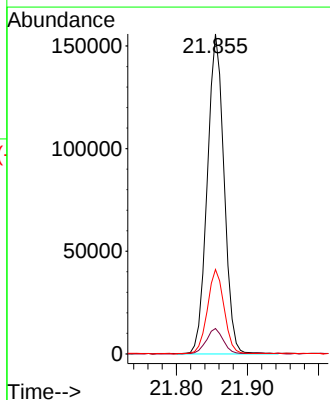
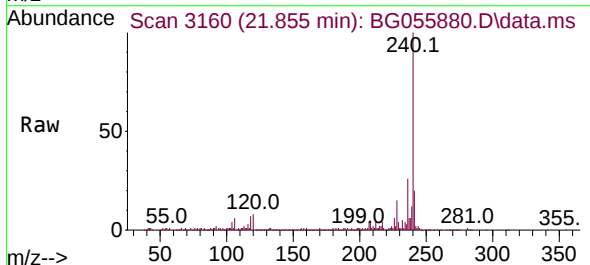
Manual Integrations
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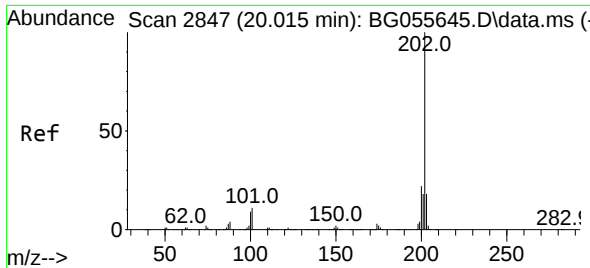
Reviewed By :Christian Giraldo 12/05/2022
Supervised By :Jagrut Upadhyay 12/05/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.855 min Scan# 3160
Delta R.T. -0.011 min
Lab File: BG055880.D
Acq: 2 Dec 2022 19:09

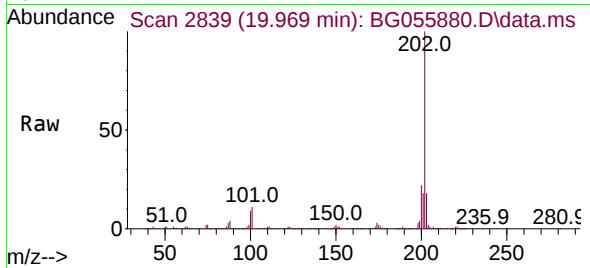
Tgt Ion:240 Resp: 255022
Ion Ratio Lower Upper
240 100
120 8.0 6.3 9.5
236 26.4 21.9 32.9





#78
 Pyrene
 Concen: 14.133 ng
 RT: 19.969 min Scan# 2847
 Delta R.T. -0.011 min
 Lab File: BG055880.D
 Acq: 2 Dec 2022 19:09

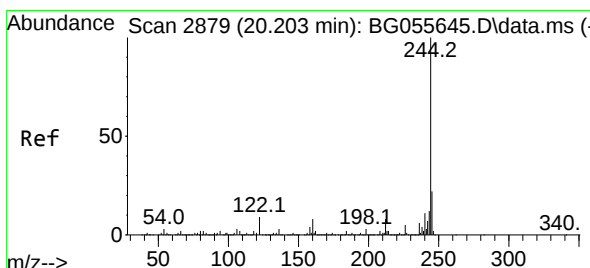
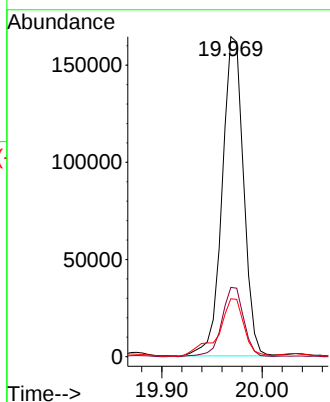
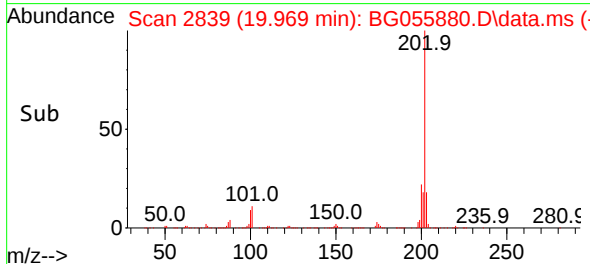
Instrument :
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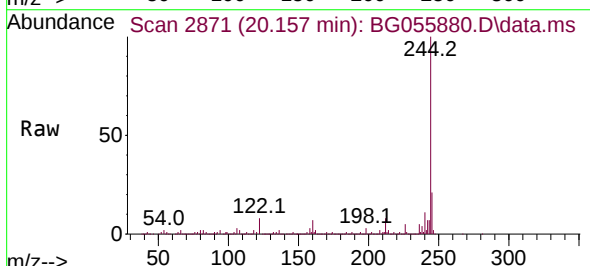
Tgt Ion:202 Resp: 243963
 Ion Ratio Lower Upper
 202 100
 200 21.6 17.8 26.6
 203 18.1 14.4 21.6

Manual Integrations
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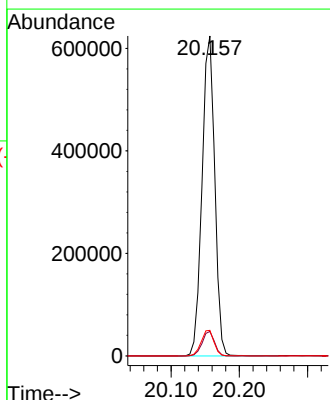
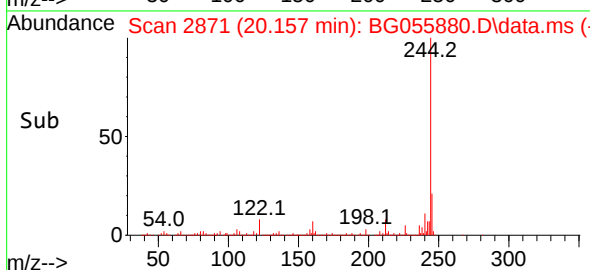
Reviewed By :Christian Giraldo 12/05/2022
 Supervised By :Jagrut Upadhyay 12/05/2022

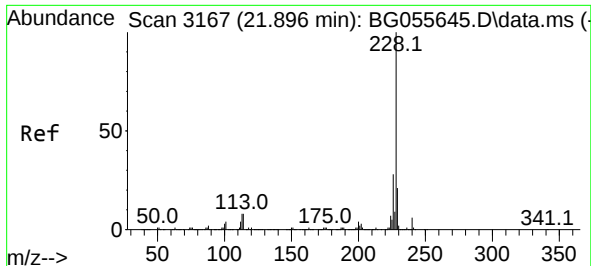


#79
 Terphenyl-d14
 Concen: 63.392 ng
 RT: 20.157 min Scan# 2871
 Delta R.T. -0.005 min
 Lab File: BG055880.D
 Acq: 2 Dec 2022 19:09



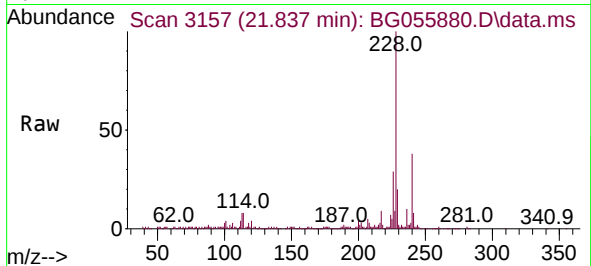
Tgt Ion:244 Resp: 808265
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.3 9.5
 122 8.0 6.9 10.3





#81
Benzo(a)anthracene
Concen: 10.239 ng
RT: 21.837 min Scan# 3167
Delta R.T. -0.011 min
Lab File: BG055880.D
Acq: 2 Dec 2022 19:09

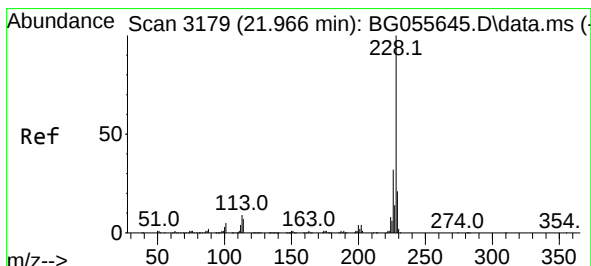
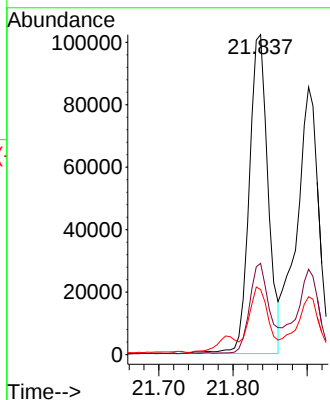
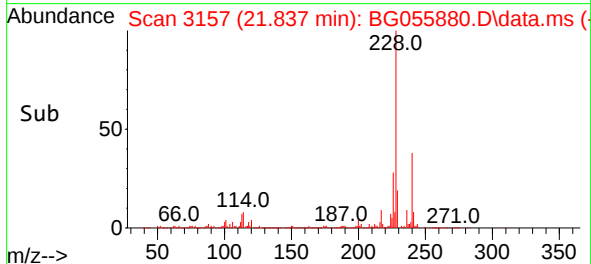
Instrument :
BNA_G
ClientSampleId :
SB-1-STOCK



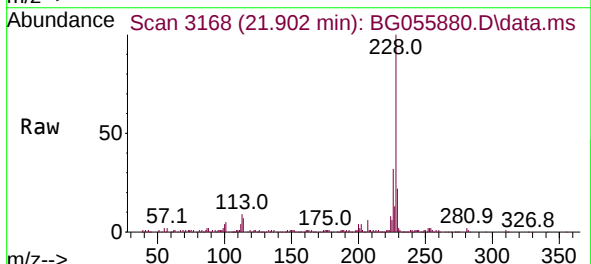
Tgt Ion:228 Resp: 179839
Ion Ratio Lower Upper
228 100
226 28.5 22.7 34.1
229 20.3 16.5 24.7

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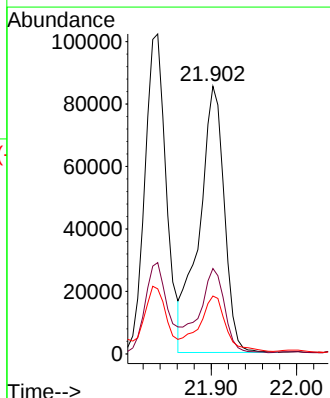
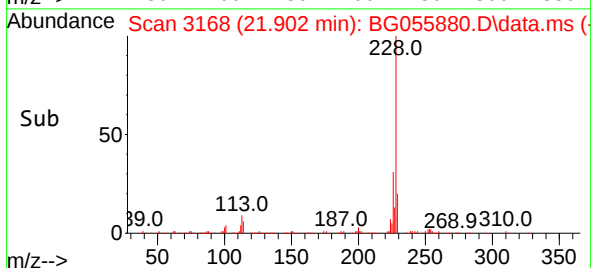
Reviewed By :Christian Giraldo 12/05/2022
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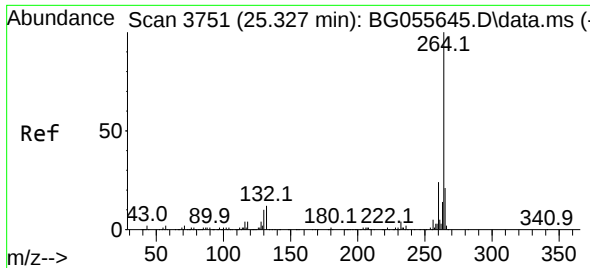


#83
Chrysene
Concen: 10.440 ng
RT: 21.902 min Scan# 3168
Delta R.T. -0.017 min
Lab File: BG055880.D
Acq: 2 Dec 2022 19:09



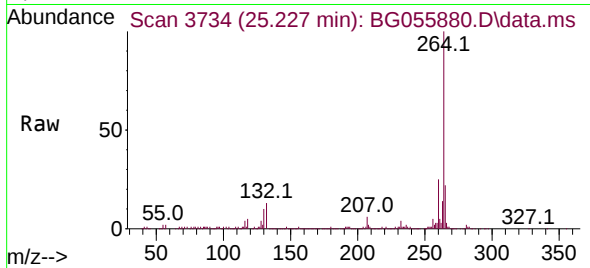
Tgt Ion:228 Resp: 174576
Ion Ratio Lower Upper
228 100
226 31.9 25.4 38.2
229 21.6 17.1 25.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.227 min Scan# 31
Delta R.T. -0.023 min
Lab File: BG055880.D
Acq: 2 Dec 2022 19:09

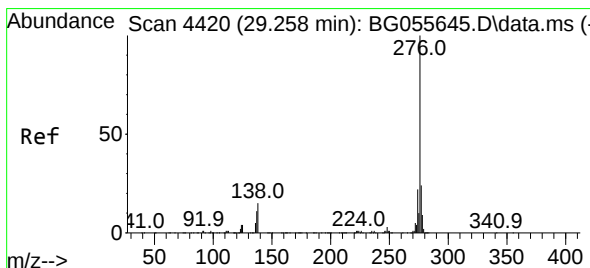
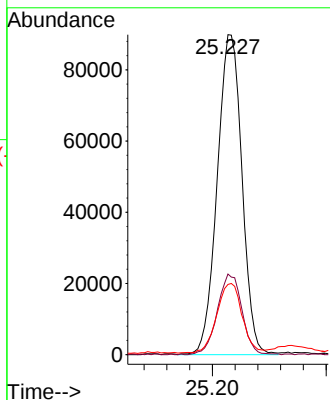
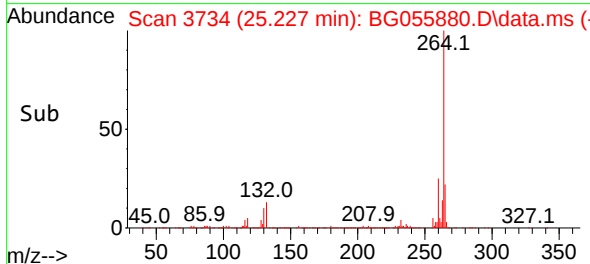
Instrument :
BNA_G
ClientSampleId :
SB-1-STOCK



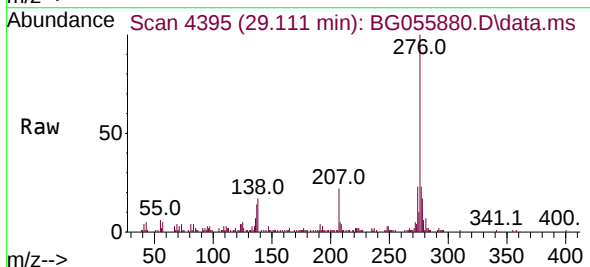
Tgt Ion:264 Resp: 271630
Ion Ratio Lower Upper
264 100
260 25.2 19.5 29.3
265 22.0 17.1 25.7

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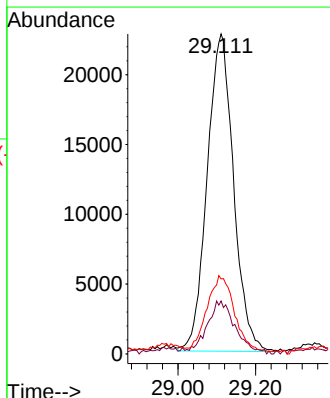
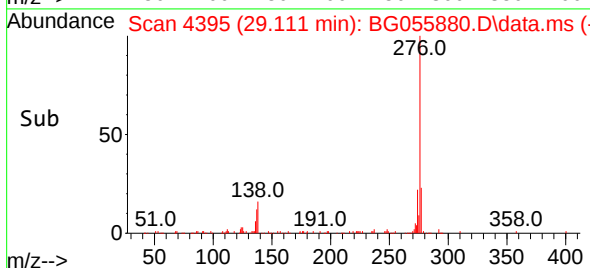
Reviewed By :Christian Giraldo 12/05/2022
Supervised By :Jagrut Upadhyay 12/05/2022

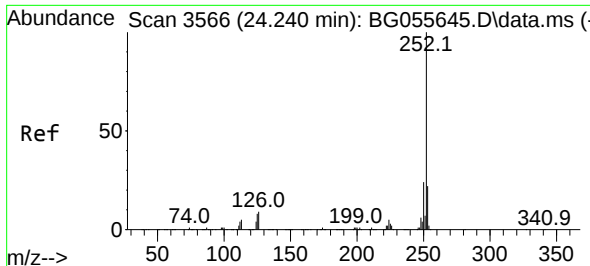


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.829 ng
RT: 29.111 min Scan# 4395
Delta R.T. -0.040 min
Lab File: BG055880.D
Acq: 2 Dec 2022 19:09



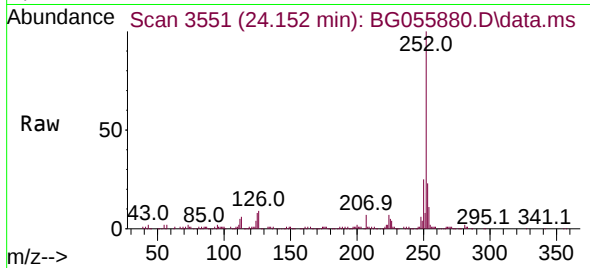
Tgt Ion:276 Resp: 107461
Ion Ratio Lower Upper
276 100
138 17.8 10.4 15.6#
277 24.7 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 15.175 ng
RT: 24.152 min Scan# 3551
Delta R.T. -0.017 min
Lab File: BG055880.D
Acq: 2 Dec 2022 19:09

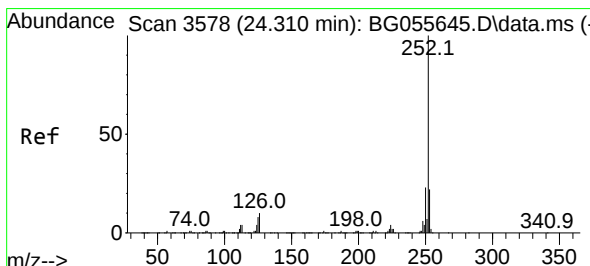
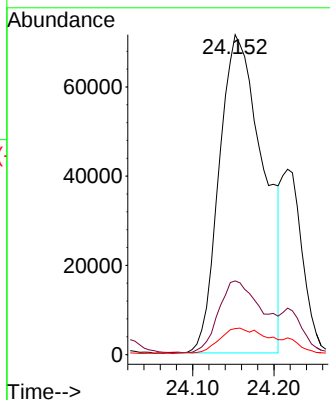
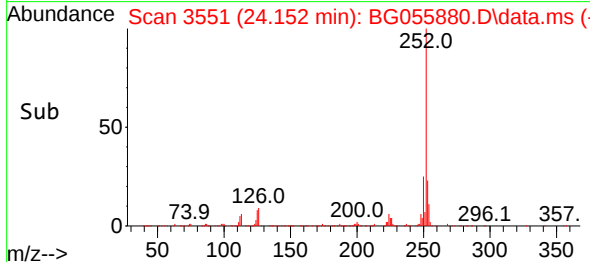
Instrument :
BNA_G
ClientSampleId :
SB-1-STOCK



Tgt Ion:252 Resp: 26845
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 8.1 6.2 9.2

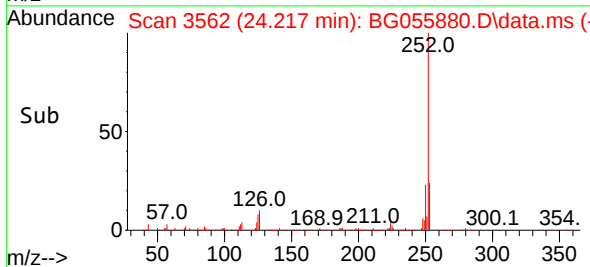
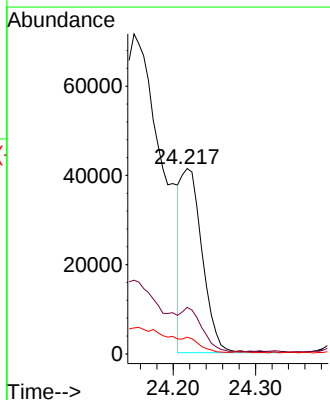
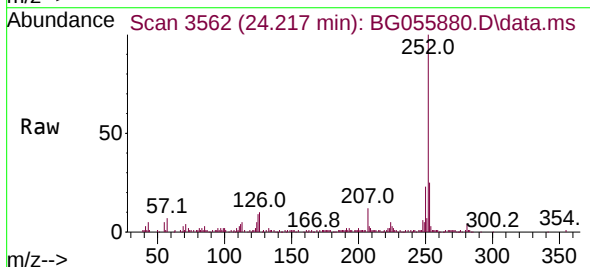
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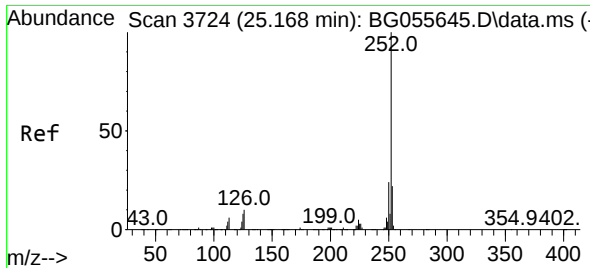
Reviewed By :Christian Giraldo 12/05/2022
Supervised By :Jagrut Upadhyay 12/05/2022



#89
Benzo(k)fluoranthene
Concen: 4.219 ng m
RT: 24.217 min Scan# 3562
Delta R.T. -0.023 min
Lab File: BG055880.D
Acq: 2 Dec 2022 19:09

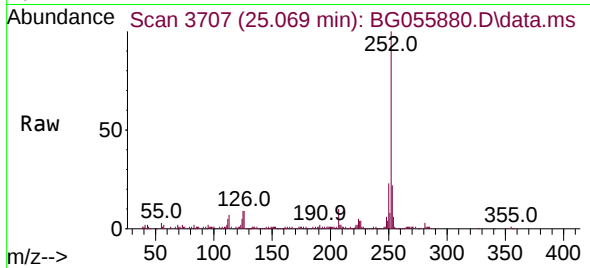
Tgt Ion:252 Resp: 74395
Ion Ratio Lower Upper
252 100
253 25.1 17.8 26.6
125 9.1 6.1 9.1





#90
Benzo(a)pyrene
Concen: 9.714 ng
RT: 25.069 min Scan# 31
Delta R.T. -0.023 min
Lab File: BG055880.D
Acq: 2 Dec 2022 19:09

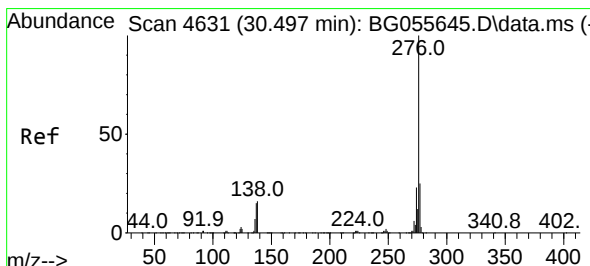
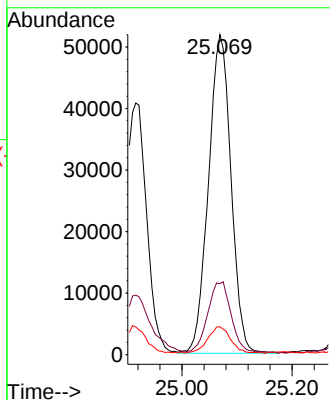
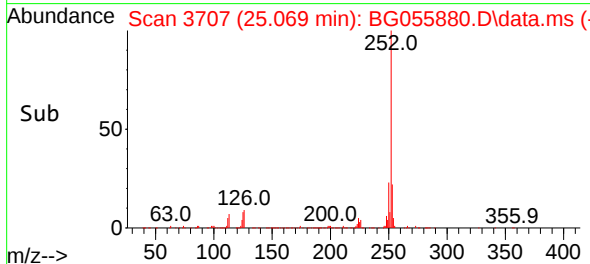
Instrument :
BNA_G
ClientSampleId :
SB-1-STOCK



Tgt Ion:252 Resp: 147462
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.6
125 8.7 6.4 9.6

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Supervised By :Jagrut Upadhyay 12/05/2022



#92
Benzo(g,h,i)perylene
Concen: 5.007 ng
RT: 30.321 min Scan# 4601
Delta R.T. -0.052 min
Lab File: BG055880.D
Acq: 2 Dec 2022 19:09

Tgt Ion:276 Resp: 91765
Ion Ratio Lower Upper
276 100
277 26.0 19.8 29.6
138 18.4 13.1 19.7

