

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102522\
 Data File : BG055282.D
 Acq On : 25 Oct 2022 19:15
 Operator : CG/JU
 Sample : N5254-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-1-102122

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 10/26/2022
 Supervised By :Jagrut Upadhyay 10/27/2022

Quant Time: Oct 26 14:45:46 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 24 16:54:05 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.271	152	47412	20.000	ng	0.00
21) Naphthalene-d8	11.103	136	202544	20.000	ng	0.00
39) Acenaphthene-d10	14.881	164	128212	20.000	ng	0.00
64) Phenanthrene-d10	17.619	188	287707	20.000	ng	0.00
76) Chrysene-d12	21.890	240	262948	20.000	ng	-0.01
86) Perylene-d12	25.286	264	277780	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.797	112	238885	88.223	ng	0.00
7) Phenol-d6	7.413	99	333247	84.949	ng	0.00
23) Nitrobenzene-d5	9.446	82	214557	54.092	ng	0.00
42) 2,4,6-Tribromophenol	16.362	330	122050	87.568	ng	0.00
45) 2-Fluorobiphenyl	13.512	172	416800	53.209	ng	0.00
79) Terphenyl-d14	20.192	244	662874	52.377	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.660	178	46531	3.033	ng	97
75) Fluoranthene	19.646	202	97801	5.470	ng	97
78) Pyrene	20.004	202	92856	5.152	ng	98
81) Benzo(a)anthracene	21.873	228	57122	3.235	ng	98
83) Chrysene	21.937	228	62590m	3.732	ng	
87) Indeno(1,2,3-cd)pyrene	29.182	276	49648	2.420	ng	# 88
88) Benzo(b)fluoranthene	24.205	252	95523	5.717	ng	# 95
90) Benzo(a)pyrene	25.128	252	67015	4.677	ng	99
92) Benzo(g,h,i)perylene	30.416	276	52228	3.127	ng	99

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

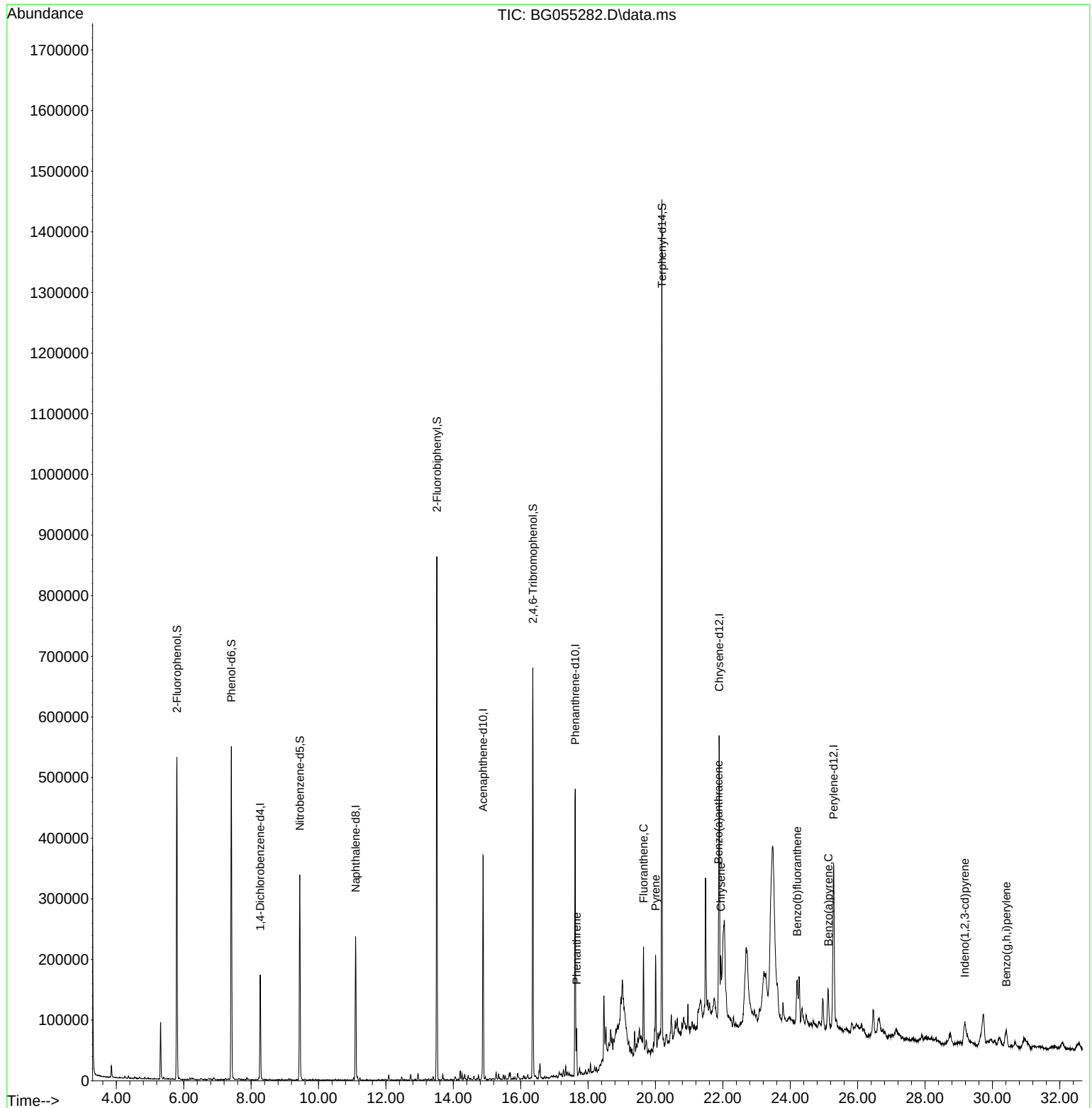
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102522\
Data File : BG055282.D
Acq On : 25 Oct 2022 19:15
Operator : CG/JU
Sample : N5254-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

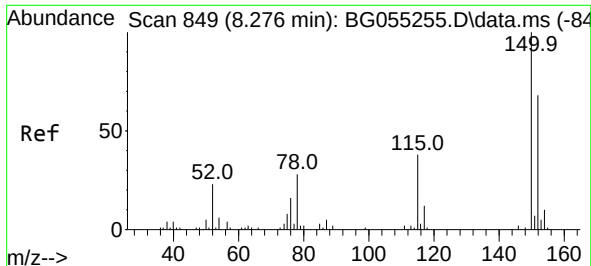
Instrument :
BNA_G
ClientSampleId :
WC-1-102122

Quant Time: Oct 26 14:45:46 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 24 16:54:05 2022
Response via : Initial Calibration

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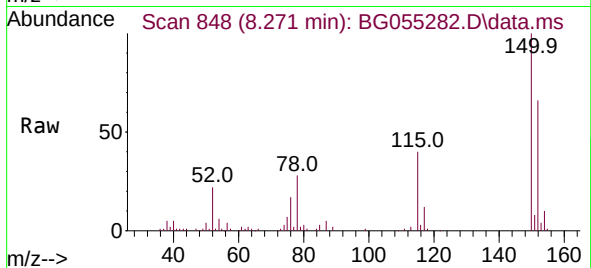
Reviewed By : Christian Giraldo 10/26/2022
Supervised By : Jagrut Upadhyay 10/27/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.271 min Scan# 84
Delta R.T. -0.005 min
Lab File: BG055282.D
Acq: 25 Oct 2022 19:15

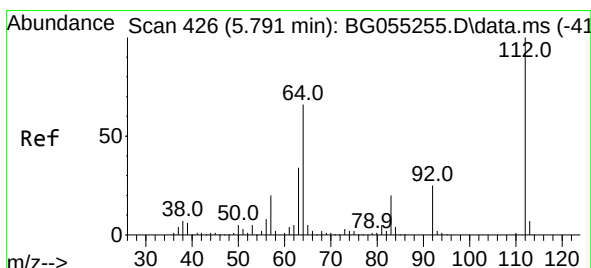
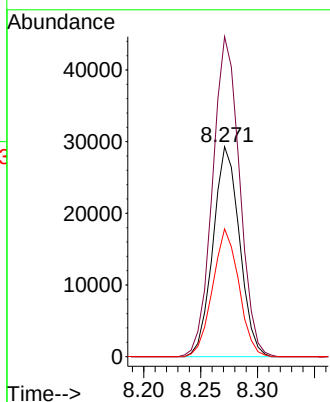
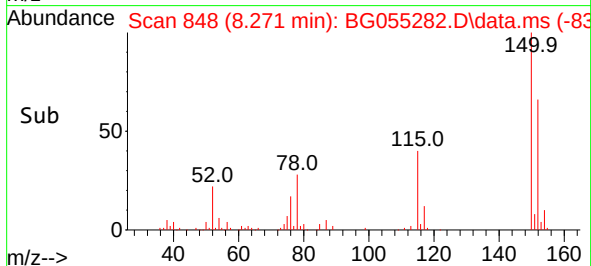
Instrument :
BNA_G
ClientSampleId :
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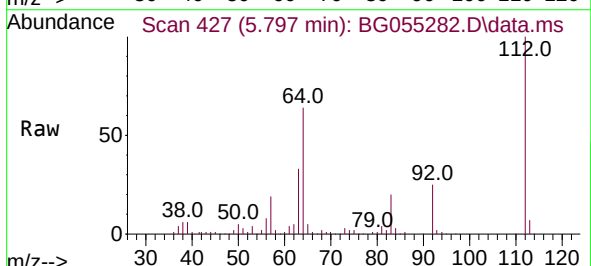
Tgt Ion:152 Resp: 47412
Ion Ratio Lower Upper
152 100
150 152.5 118.2 177.4
115 60.9 44.5 66.7

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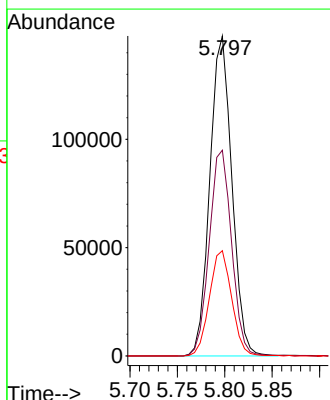
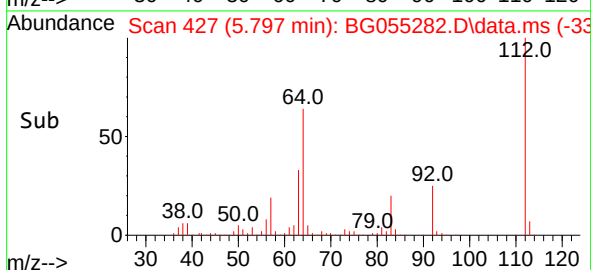
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022

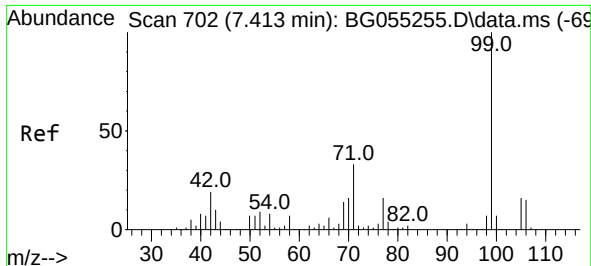


#5
2-Fluorophenol
Concen: 88.223 ng
RT: 5.797 min Scan# 427
Delta R.T. 0.007 min
Lab File: BG055282.D
Acq: 25 Oct 2022 19:15



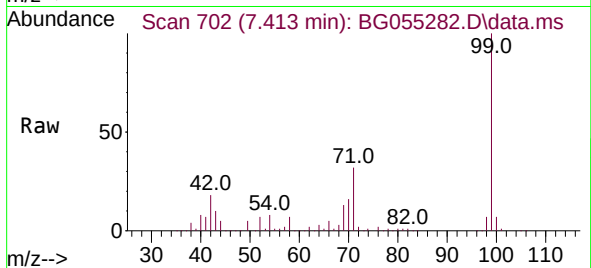
Tgt Ion:112 Resp: 238885
Ion Ratio Lower Upper
112 100
64 64.3 52.6 78.8
63 32.9 27.1 40.7





#7
Phenol-d6
Concen: 84.949 ng
RT: 7.413 min Scan# 702
Delta R.T. 0.001 min
Lab File: BG055282.D
Acq: 25 Oct 2022 19:15

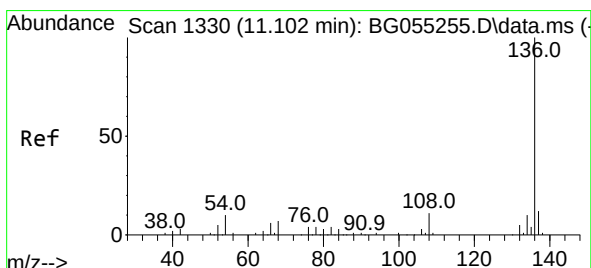
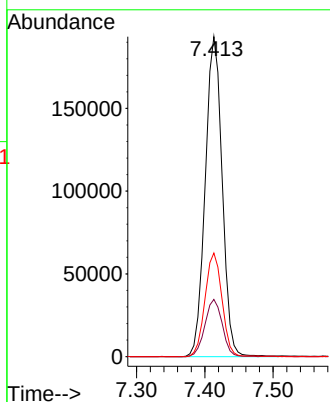
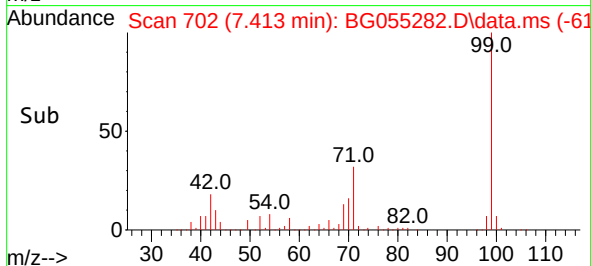
Instrument :
BNA_G
ClientSampleId :
WC-1-102122



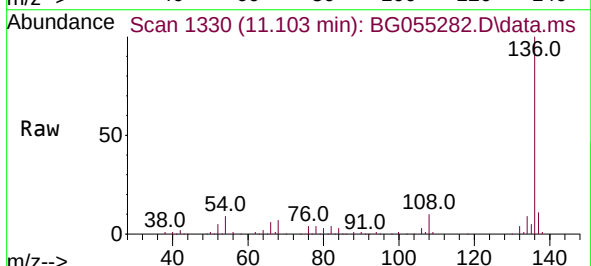
Tgt Ion: 99 Resp: 33324
Ion Ratio Lower Upper
99 100
42 17.9 15.2 22.8
71 32.4 26.2 39.4

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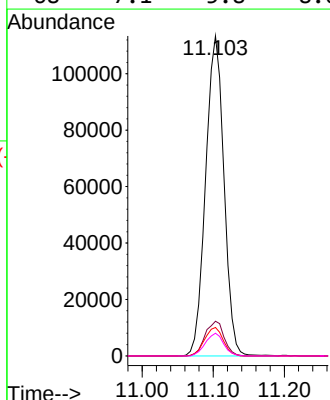
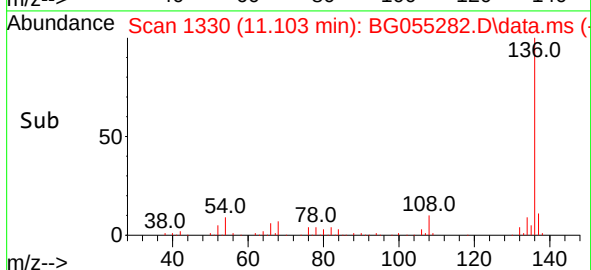
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022

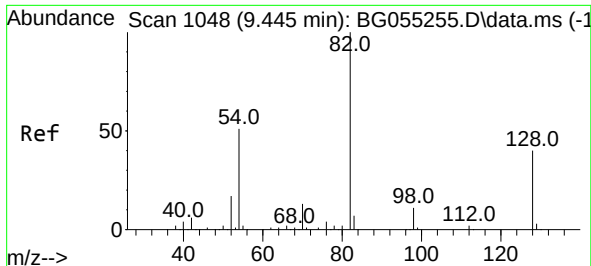


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.103 min Scan# 1330
Delta R.T. 0.001 min
Lab File: BG055282.D
Acq: 25 Oct 2022 19:15



Tgt Ion:136 Resp: 202544
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 8.9 7.8 11.8
68 7.1 5.8 8.6





#23
Nitrobenzene-d5
Concen: 54.092 ng
RT: 9.446 min Scan# 1048
Delta R.T. 0.001 min
Lab File: BG055282.D
Acq: 25 Oct 2022 19:15

Instrument :

BNA_G

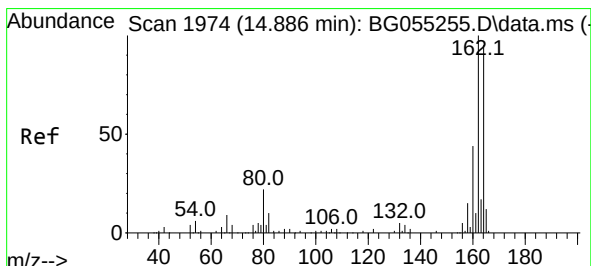
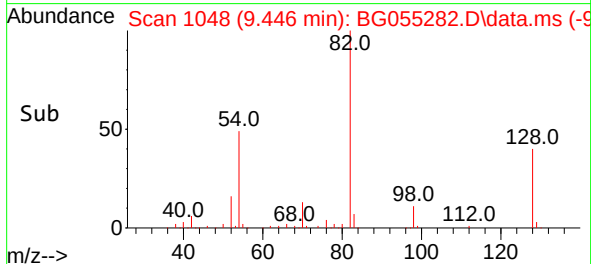
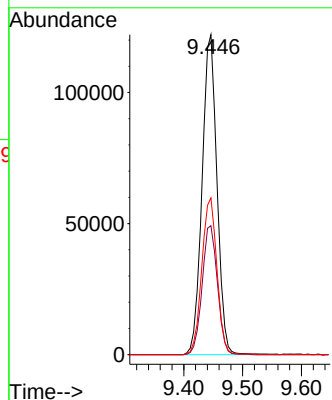
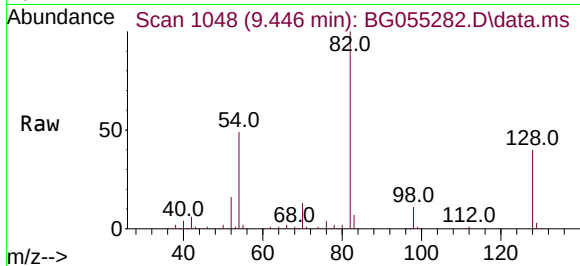
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Tgt Ion: 82 Resp: 21455
Ion Ratio Lower Upper
82 100
128 40.3 32.0 48.0
54 49.0 40.9 61.3

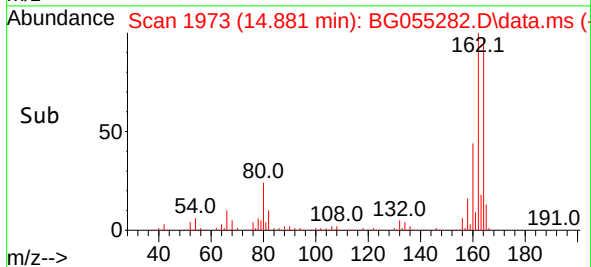
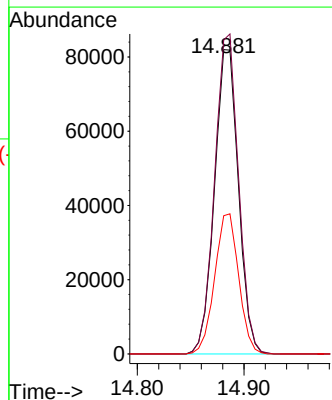
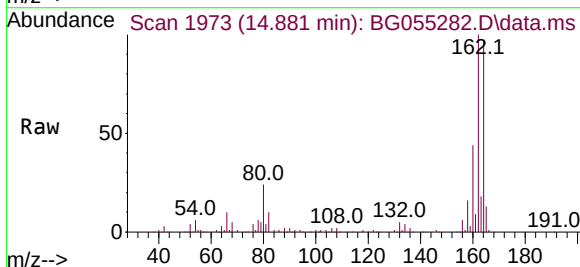
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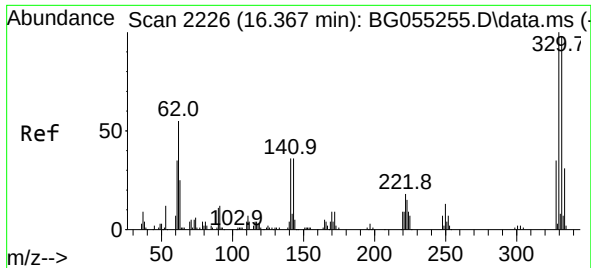
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.881 min Scan# 1973
Delta R.T. -0.005 min
Lab File: BG055282.D
Acq: 25 Oct 2022 19:15

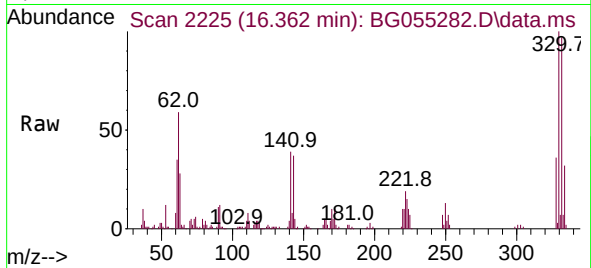
Tgt Ion:164 Resp: 128212
Ion Ratio Lower Upper
164 100
162 103.2 84.0 126.0
160 45.4 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 87.568 ng
RT: 16.362 min Scan# 2226
Delta R.T. -0.005 min
Lab File: BG055282.D
Acq: 25 Oct 2022 19:15

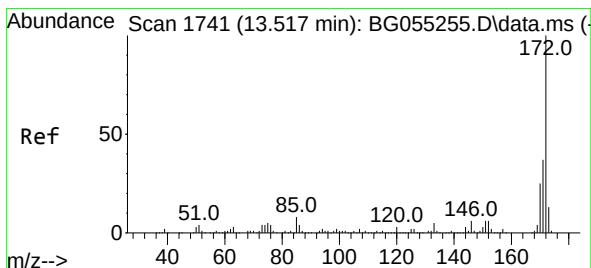
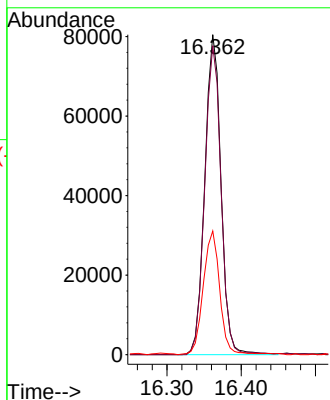
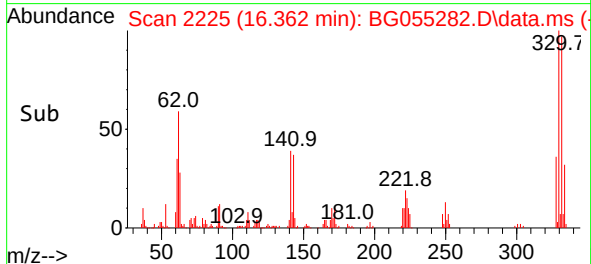
Instrument :
BNA_G
ClientSampleId :
WC-1-102122



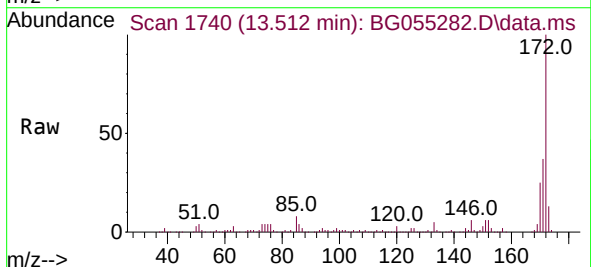
Tgt Ion:330 Resp: 122050
Ion Ratio Lower Upper
330 100
332 96.9 77.4 116.0
141 39.2 29.8 44.8

Manual Integrations
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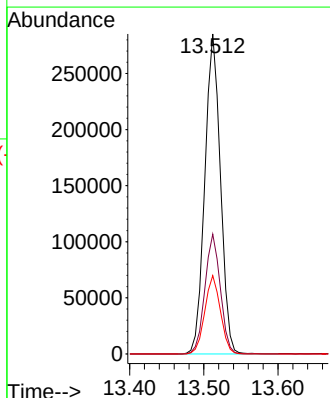
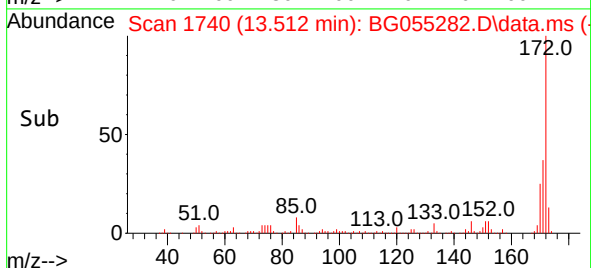
Reviewed By :Christian Giraldo 10/26/2022
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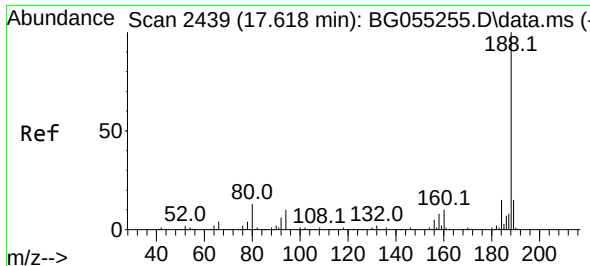


#45
2-Fluorobiphenyl
Concen: 53.209 ng
RT: 13.512 min Scan# 1740
Delta R.T. -0.005 min
Lab File: BG055282.D
Acq: 25 Oct 2022 19:15



Tgt Ion:172 Resp: 416800
Ion Ratio Lower Upper
172 100
171 37.4 29.7 44.5
170 24.5 20.2 30.2





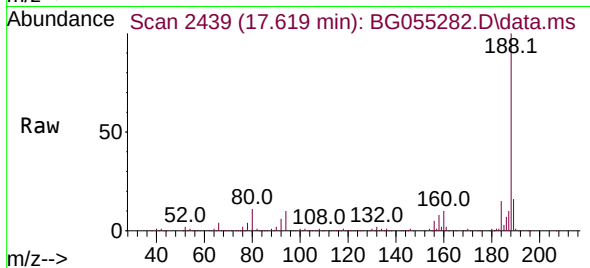
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.619 min Scan# 2439
Delta R.T. 0.001 min
Lab File: BG055282.D
Acq: 25 Oct 2022 19:15

Instrument :

BNA_G

ClientSampleId :

WC-1-102122

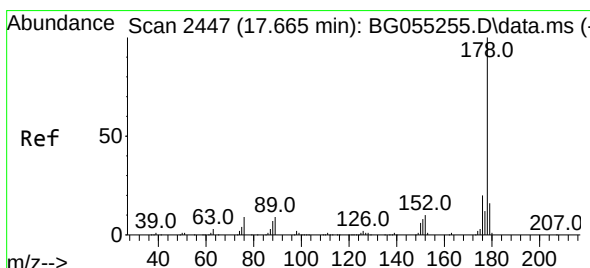
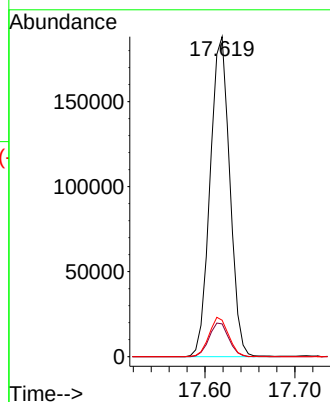
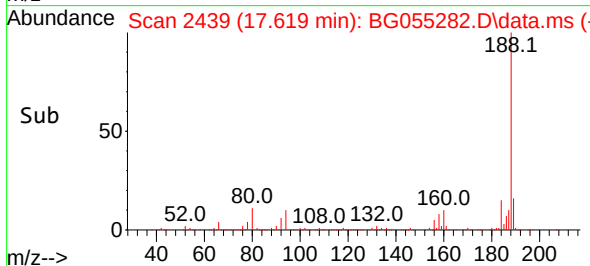


Tgt Ion:188 Resp: 28770
Ion Ratio Lower Upper
188 100
94 10.2 8.2 12.4
80 11.4 10.1 15.1

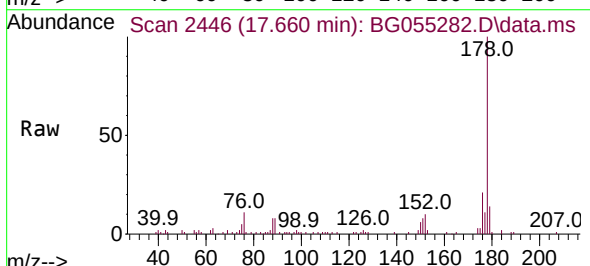
Manual Integrations

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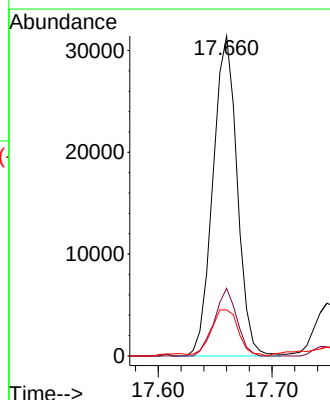
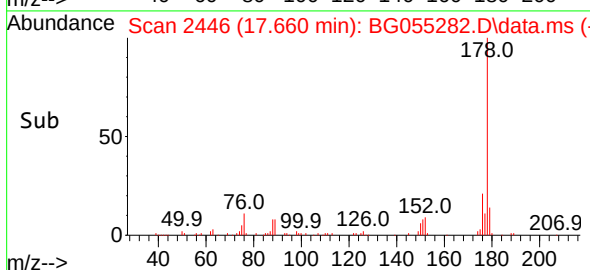
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022

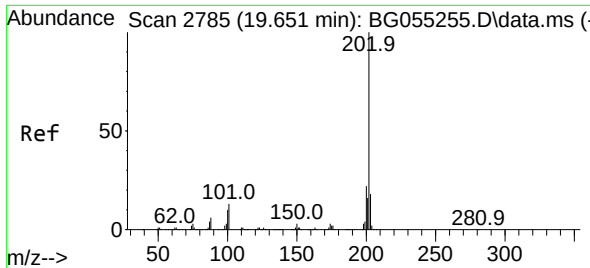


#71
Phenanthrene
Concen: 3.033 ng
RT: 17.660 min Scan# 2446
Delta R.T. -0.005 min
Lab File: BG055282.D
Acq: 25 Oct 2022 19:15



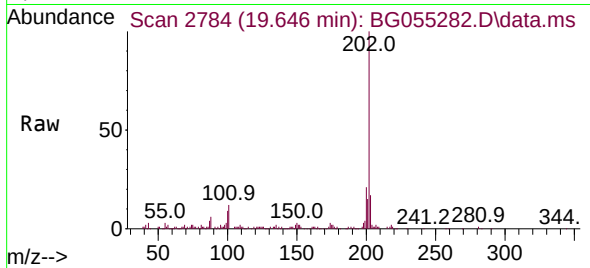
Tgt Ion:178 Resp: 46531
Ion Ratio Lower Upper
178 100
176 21.1 16.0 24.0
179 14.4 12.6 19.0





#75
Fluoranthene
Concen: 5.470 ng
RT: 19.646 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG055282.D
Acq: 25 Oct 2022 19:15

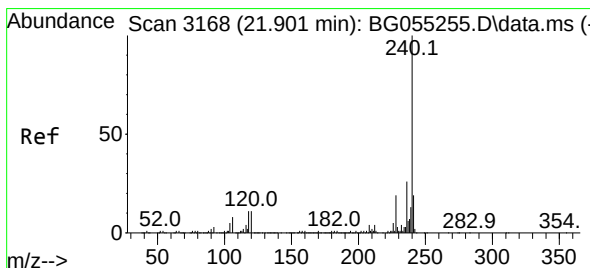
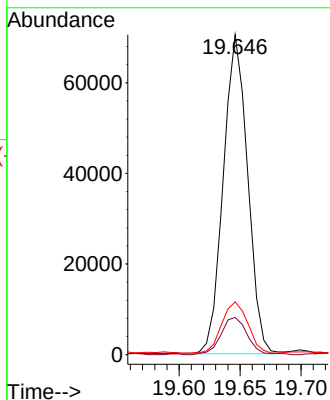
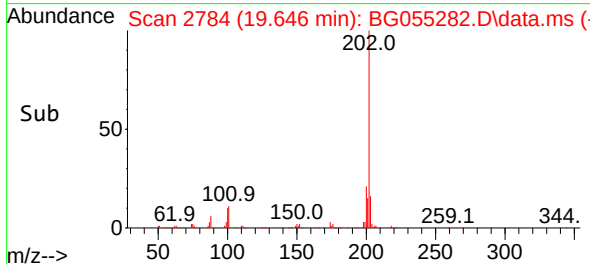
Instrument :
BNA_G
ClientSampleId :
WC-1-102122



Tgt Ion:202 Resp: 97801
Ion Ratio Lower Upper
202 100
101 11.6 0.0 32.6
203 16.5 0.0 38.3

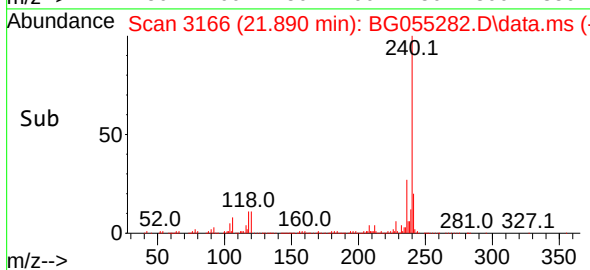
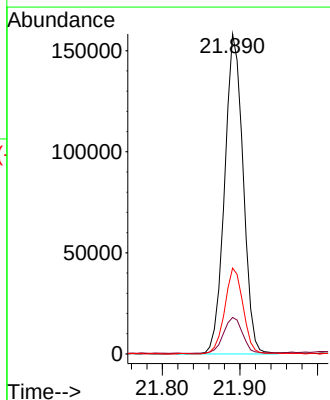
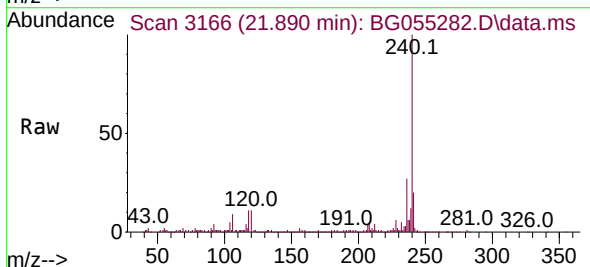
Manual Integrations
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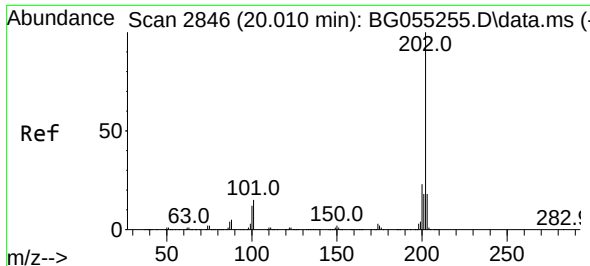
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.890 min Scan# 3166
Delta R.T. -0.011 min
Lab File: BG055282.D
Acq: 25 Oct 2022 19:15

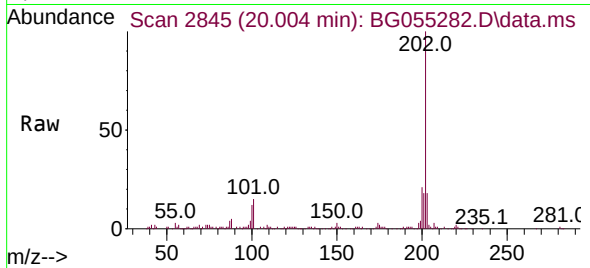
Tgt Ion:240 Resp: 262948
Ion Ratio Lower Upper
240 100
120 11.4 8.9 13.3
236 26.8 21.0 31.4





#78
 Pyrene
 Concen: 5.152 ng
 RT: 20.004 min Scan# 2846
 Delta R.T. -0.006 min
 Lab File: BG055282.D
 Acq: 25 Oct 2022 19:15

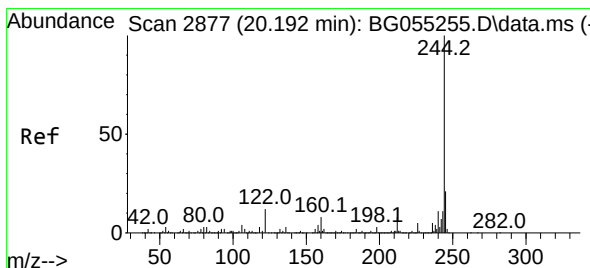
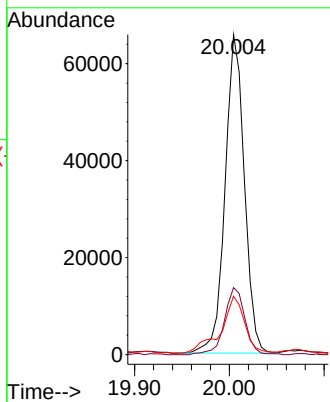
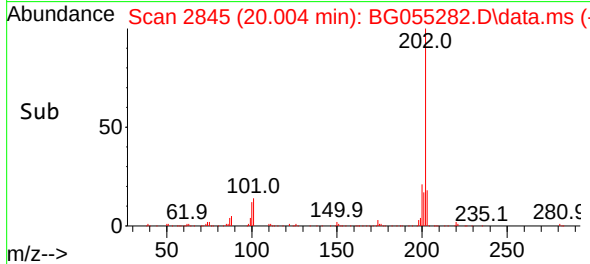
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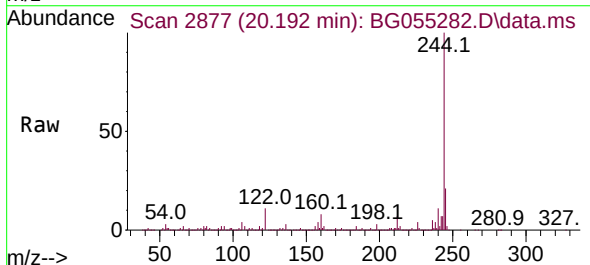
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 Ion Ratio Lower Upper
 202 100
 200 20.9 18.0 27.0
 203 18.2 14.3 21.5

Manual Integrations
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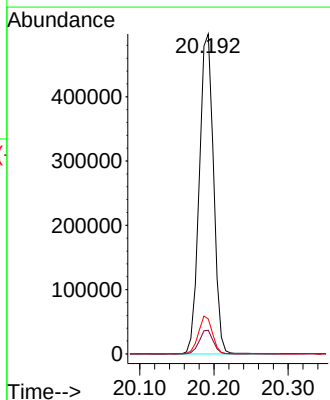
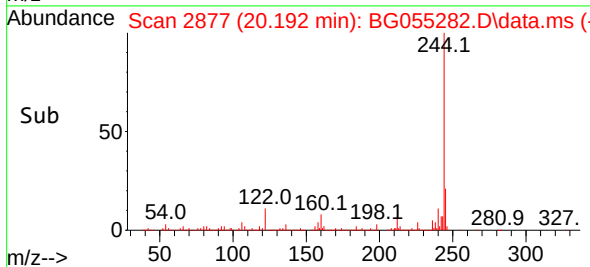
Reviewed By :Christian Giraldo 10/26/2022
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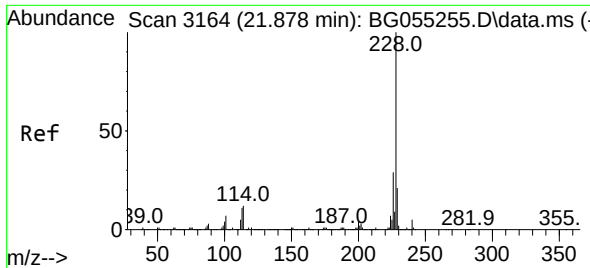


#79
 Terphenyl-d14
 Concen: 52.377 ng
 RT: 20.192 min Scan# 2877
 Delta R.T. 0.001 min
 Lab File: BG055282.D
 Acq: 25 Oct 2022 19:15



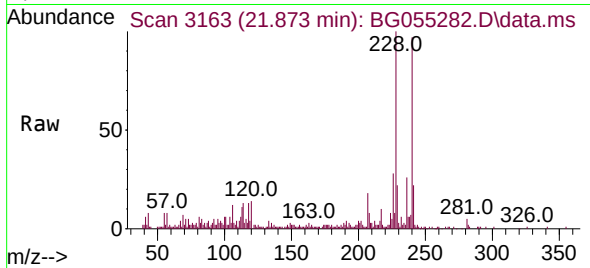
Tgt Ion:244 Resp: 662874
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 10.9 9.6 14.4





#81
Benzo(a)anthracene
Concen: 3.235 ng
RT: 21.873 min Scan# 3163
Delta R.T. -0.005 min
Lab File: BG055282.D
Acq: 25 Oct 2022 19:15

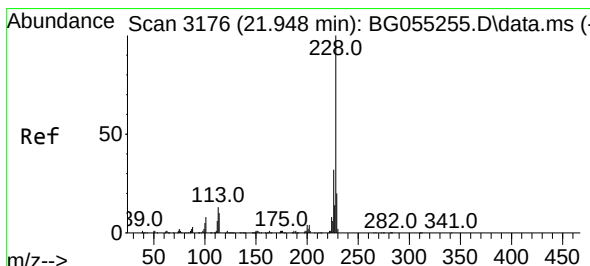
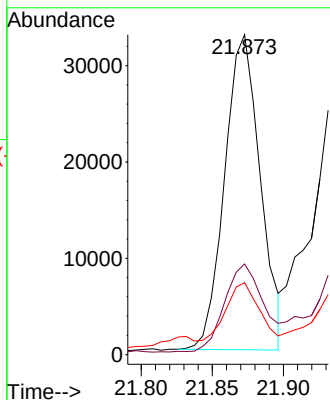
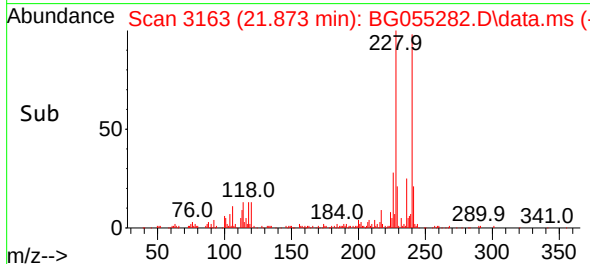
Instrument :
BNA_G
ClientSampleId :
WC-1-102122



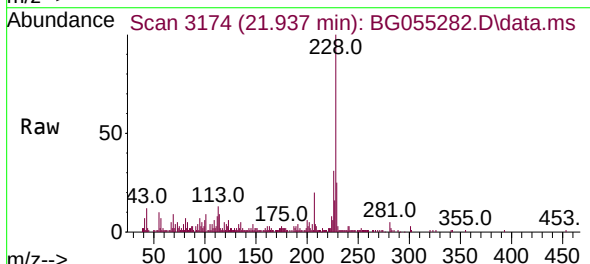
Tgt Ion:228 Resp: 57122
Ion Ratio Lower Upper
228 100
226 28.3 22.9 34.3
229 22.5 16.7 25.1

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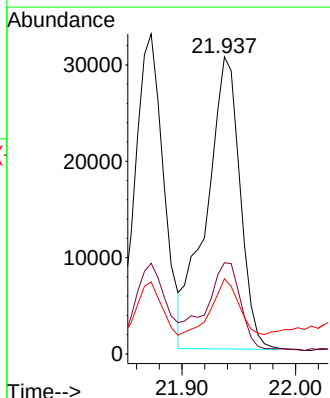
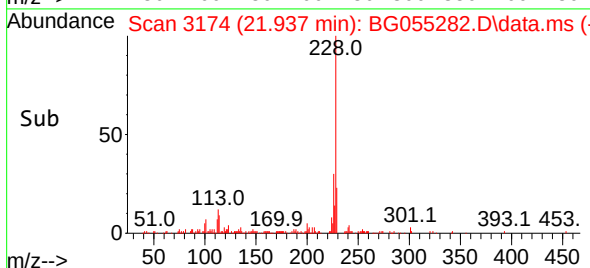
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022

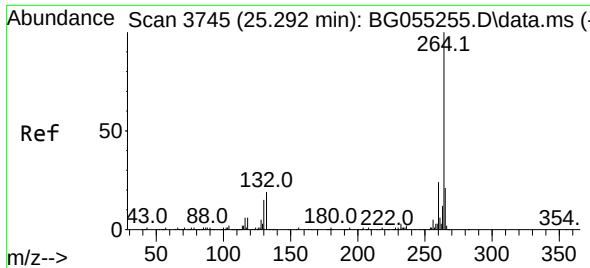


#83
Chrysene
Concen: 3.732 ng m
RT: 21.937 min Scan# 3174
Delta R.T. -0.011 min
Lab File: BG055282.D
Acq: 25 Oct 2022 19:15



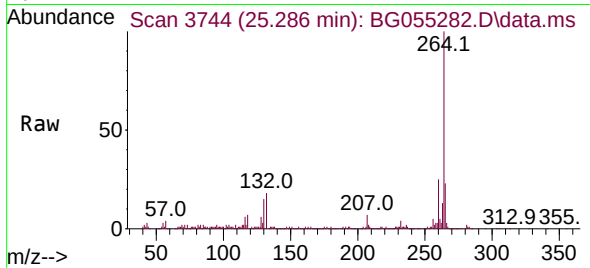
Tgt Ion:228 Resp: 62590
Ion Ratio Lower Upper
228 100
226 30.7 25.8 38.8
229 25.3 16.3 24.5#





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.286 min Scan# 31
Delta R.T. -0.005 min
Lab File: BG055282.D
Acq: 25 Oct 2022 19:15

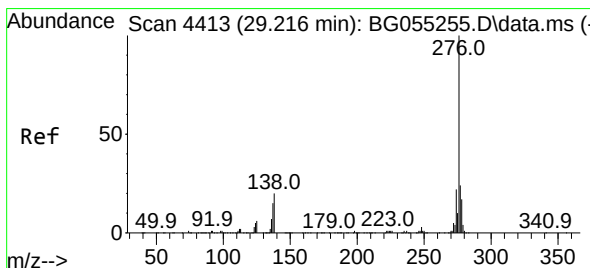
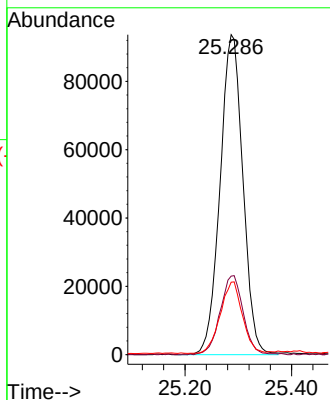
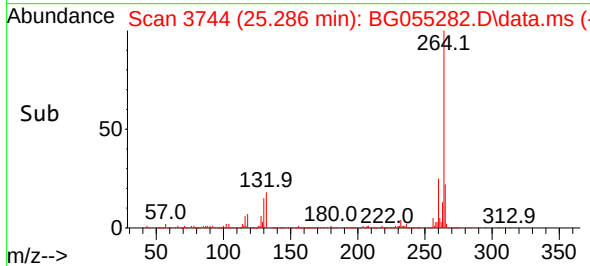
Instrument :
BNA_G
ClientSampleId :
WC-1-102122



Tgt Ion:264 Resp: 277780
Ion Ratio Lower Upper
264 100
260 24.5 19.5 29.3
265 22.6 17.4 26.2

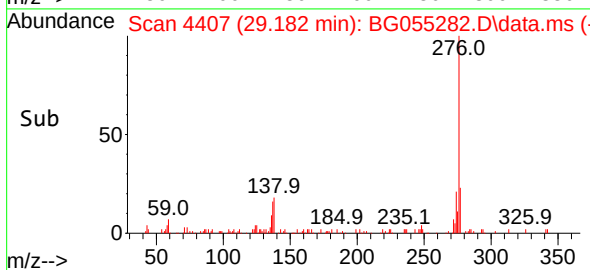
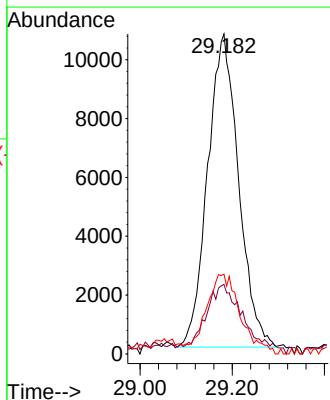
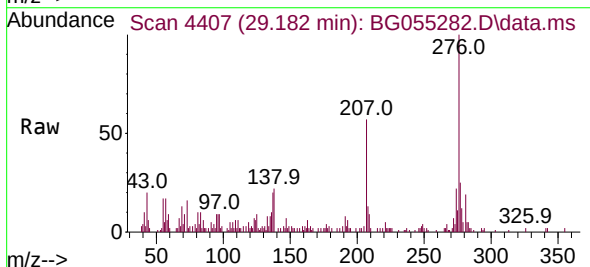
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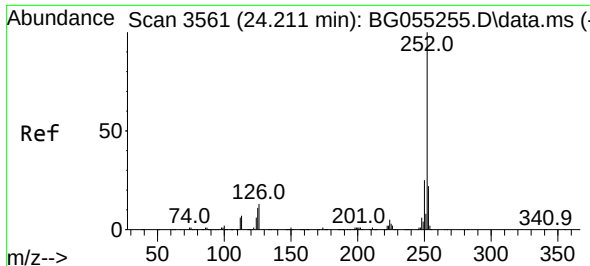
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.420 ng
RT: 29.182 min Scan# 4407
Delta R.T. -0.035 min
Lab File: BG055282.D
Acq: 25 Oct 2022 19:15

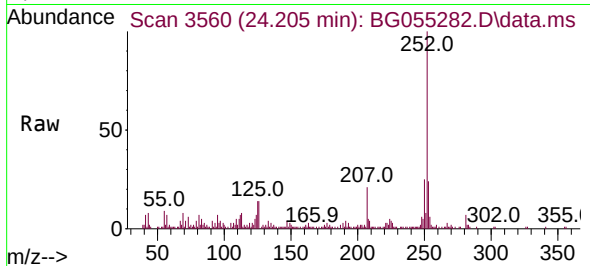
Tgt Ion:276 Resp: 49648
Ion Ratio Lower Upper
276 100
138 27.5 13.9 20.9#
277 27.7 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 5.717 ng
RT: 24.205 min Scan# 3561
Delta R.T. -0.005 min
Lab File: BG055282.D
Acq: 25 Oct 2022 19:15

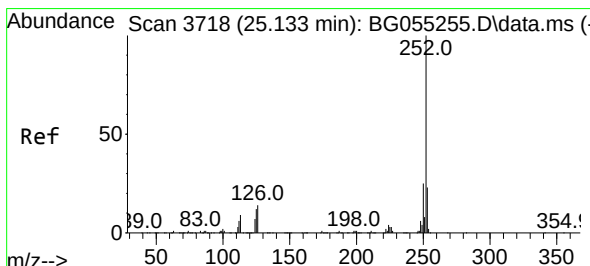
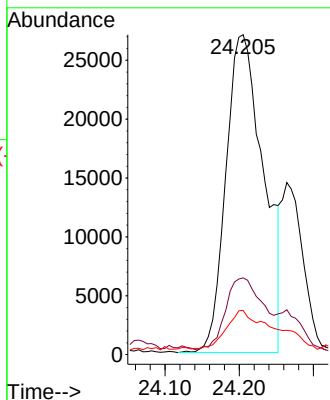
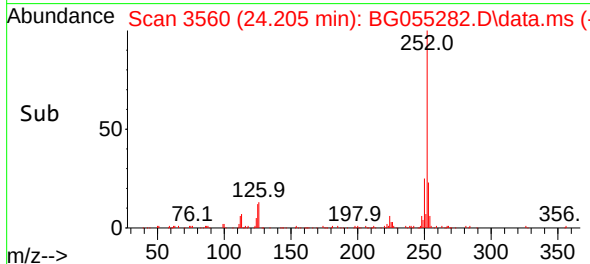
Instrument :
BNA_G
ClientSampleId :
WC-1-102122



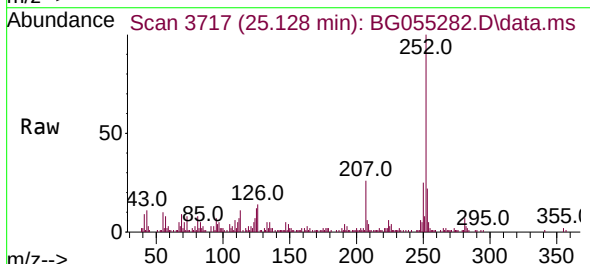
Tgt Ion:252 Resp: 95523
Ion Ratio Lower Upper
252 100
253 24.0 17.6 26.4
125 13.8 9.0 13.4

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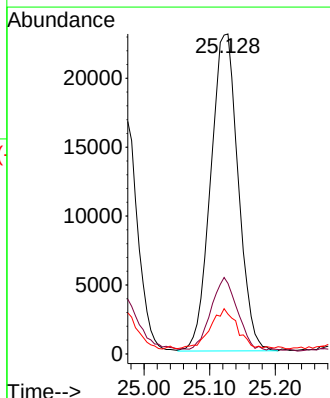
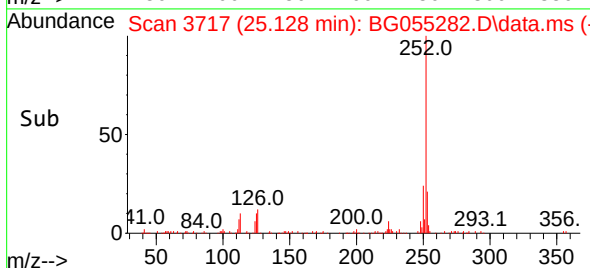
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022

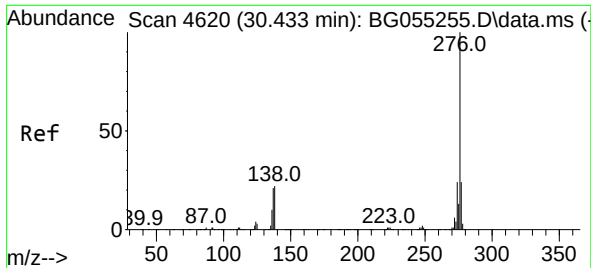


#90
Benzo(a)pyrene
Concen: 4.677 ng
RT: 25.128 min Scan# 3717
Delta R.T. -0.005 min
Lab File: BG055282.D
Acq: 25 Oct 2022 19:15



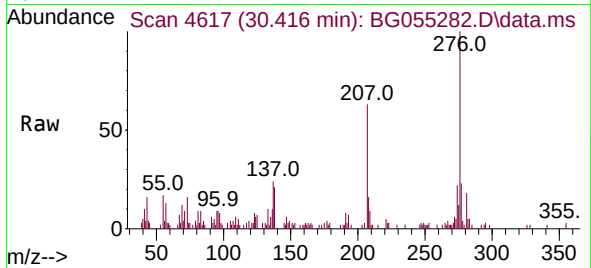
Tgt Ion:252 Resp: 67015
Ion Ratio Lower Upper
252 100
253 22.0 18.2 27.2
125 12.4 9.8 14.8





#92
Benzo(g,h,i)perylene
Concen: 3.127 ng
RT: 30.416 min Scan# 4617
Delta R.T. -0.017 min
Lab File: BG055282.D
Acq: 25 Oct 2022 19:15

Instrument :
BNA_G
ClientSampleId :
WC-1-102122



Tgt Ion: 276 Resp: 52228
Ion Ratio Lower Upper
276 100
277 22.7 19.1 28.7
138 21.5 17.2 25.8

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 10/26/2022
Supervised By : Jagrut Upadhyay 10/27/2022

