

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102522\
 Data File : BG055289.D
 Acq On : 26 Oct 2022 00:13
 Operator : CG/JU
 Sample : N5257-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HOLLAND-RD-COMP-1

Manual Integrations
 APPROVED

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

Quant Time: Oct 26 14:48:30 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	8.275	152	49109	20.000	ng	0.00
21) Naphthalene-d8	11.102	136	212477	20.000	ng	0.00
39) Acenaphthene-d10	14.885	164	140071	20.000	ng	0.00
64) Phenanthrene-d10	17.617	188	292524	20.000	ng	0.00
76) Chrysene-d12	21.895	240	261087	20.000	ng	0.00
86) Perylene-d12	25.297	264	276995	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.796	112	236126	84.190	ng	0.00
7) Phenol-d6	7.418	99	328316	80.800	ng	0.00
23) Nitrobenzene-d5	9.445	82	210913	50.687	ng	0.00
42) 2,4,6-Tribromophenol	16.360	330	124302	81.633	ng	0.00
45) 2-Fluorobiphenyl	13.511	172	412137	48.159	ng	0.00
79) Terphenyl-d14	20.191	244	559194	44.500	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.659	178	48256	3.093	ng	98
75) Fluoranthene	19.650	202	103994	5.721	ng	99
78) Pyrene	20.009	202	111583	6.235	ng	98
81) Benzo(a)anthracene	21.871	228	51312	2.927	ng	98
83) Chrysene	21.942	228	55750	3.348	ng	95
88) Benzo(b)fluoranthene	24.210	252	68371	4.103	ng	# 92
90) Benzo(a)pyrene	25.132	252	48488	3.394	ng	# 93

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

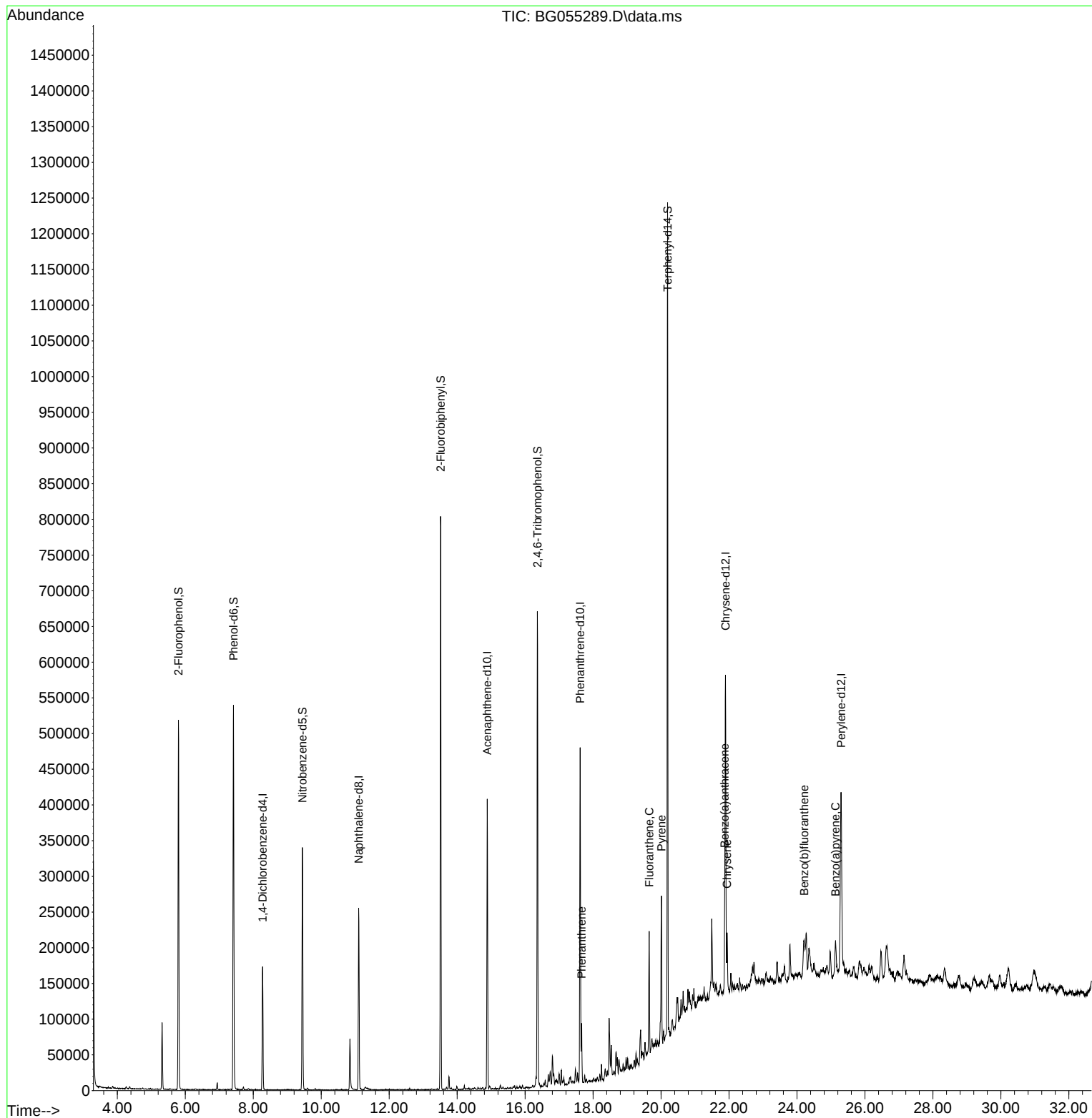
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102522\
Data File : BG055289.D
Acq On : 26 Oct 2022 00:13
Operator : CG/JU
Sample : N5257-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

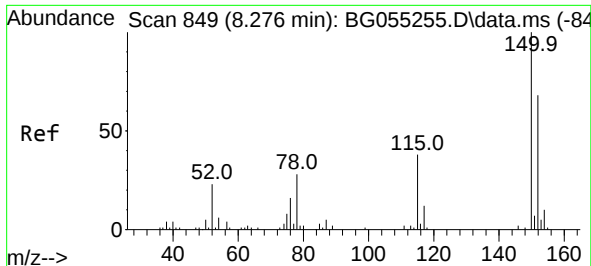
Instrument :
BNA_G
ClientSampleId :
HOLLAND-RD-COMP-1

Quant Time: Oct 26 14:48:30 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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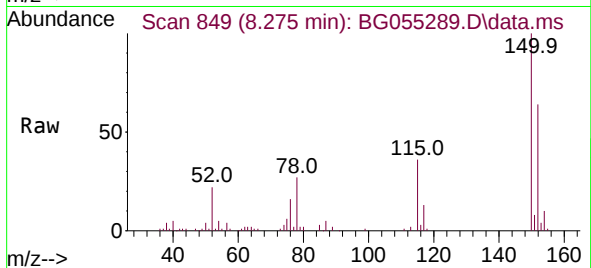
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.275 min Scan# 84
Delta R.T. -0.001 min
Lab File: BG055289.D
Acq: 26 Oct 2022 00:13

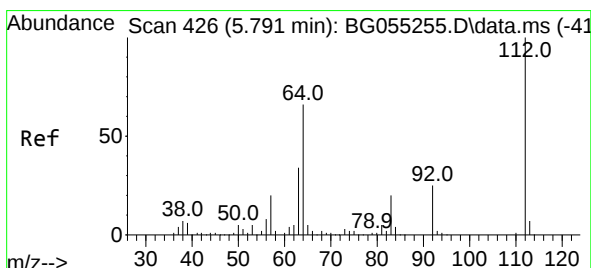
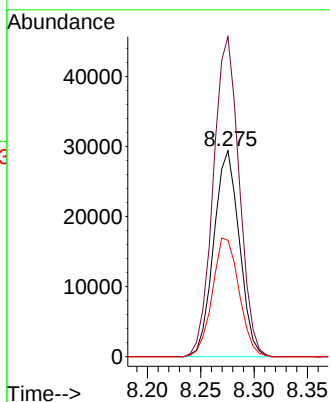
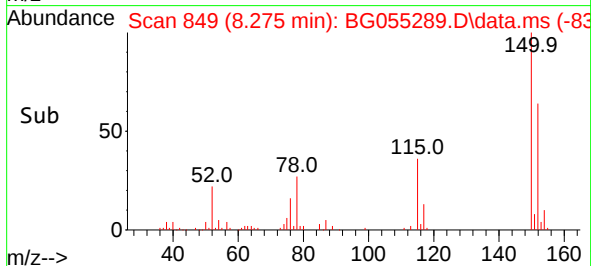
Instrument :
BNA_G
ClientSampleId :
HOLLAND-RD-COMP-1



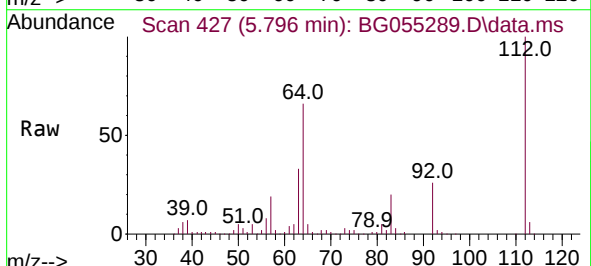
Tgt Ion:152 Resp: 49109
Ion Ratio Lower Upper
152 100
150 155.5 118.2 177.4
115 56.5 44.5 66.7

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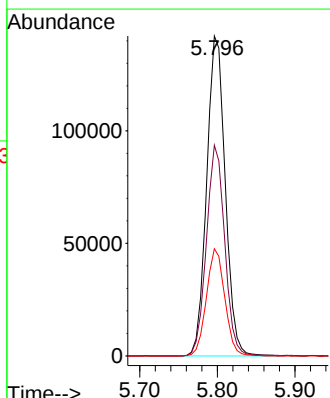
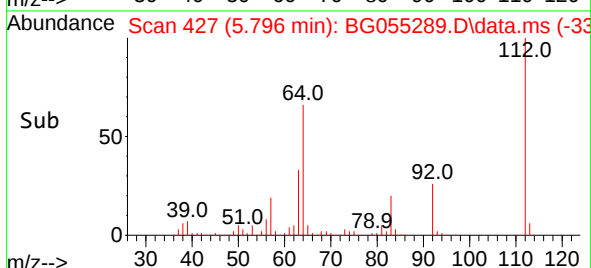
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022

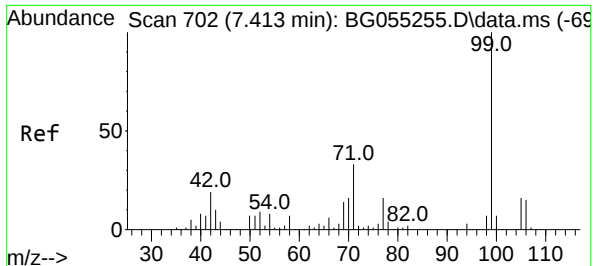


#5
2-Fluorophenol
Concen: 84.190 ng
RT: 5.796 min Scan# 427
Delta R.T. 0.005 min
Lab File: BG055289.D
Acq: 26 Oct 2022 00:13



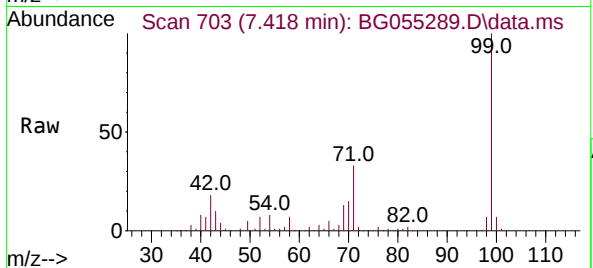
Tgt Ion:112 Resp: 236126
Ion Ratio Lower Upper
112 100
64 65.8 52.6 78.8
63 33.5 27.1 40.7





#7
Phenol-d6
Concen: 80.800 ng
RT: 7.418 min Scan# 702
Delta R.T. 0.005 min
Lab File: BG055289.D
Acq: 26 Oct 2022 00:13

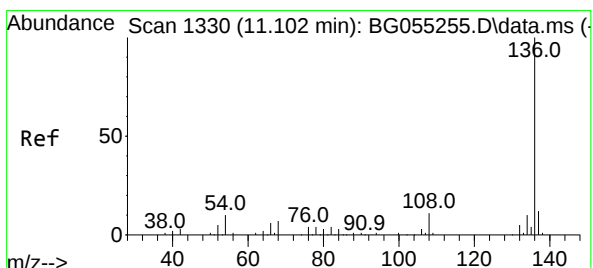
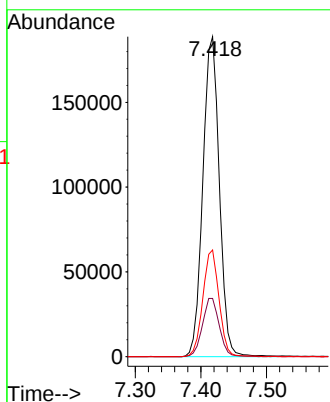
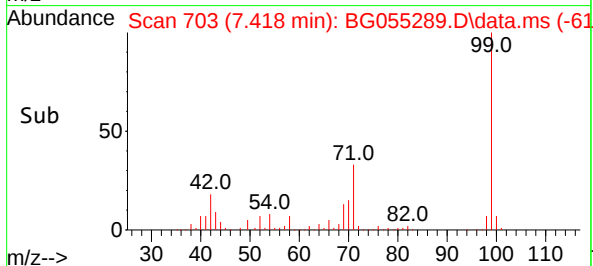
Instrument :
BNA_G
ClientSampleId :
HOLLAND-RD-COMP-1



Tgt Ion: 99 Resp: 328316
Ion Ratio Lower Upper
99 100
42 18.2 15.2 22.8
71 33.3 26.2 39.4

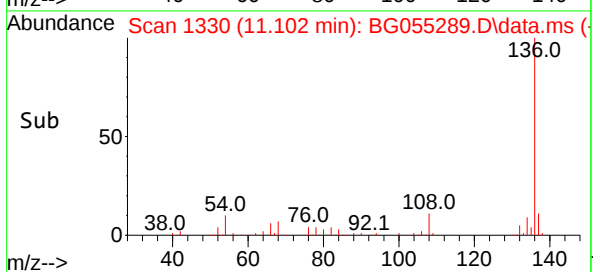
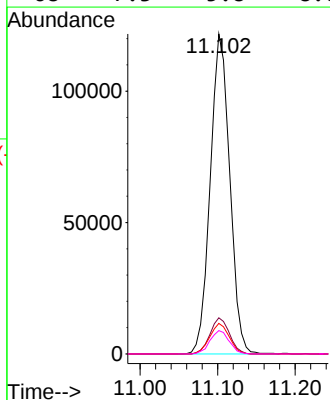
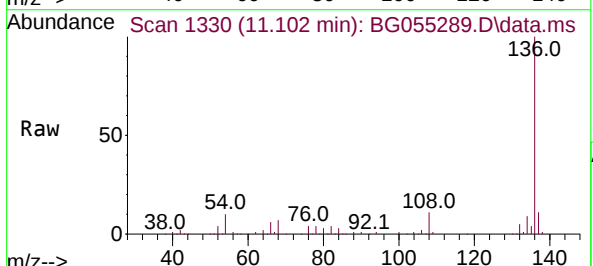
Manual Integrations
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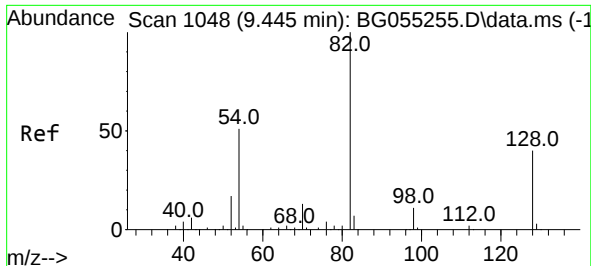
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.102 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BG055289.D
Acq: 26 Oct 2022 00:13

Tgt Ion:136 Resp: 212477
Ion Ratio Lower Upper
136 100
137 11.3 9.2 13.8
54 9.5 7.8 11.8
68 7.3 5.8 8.6





#23

Nitrobenzene-d5

Concen: 50.687 ng

RT: 9.445 min Scan# 1048

Delta R.T. -0.001 min

Lab File: BG055289.D

Acq: 26 Oct 2022 00:13

Instrument :

BNA_G

ClientSampleId :

HOLLAND-RD-COMP-1

Tgt Ion: 82 Resp: 210913

Ion Ratio Lower Upper

82 100

128 40.9 32.0 48.0

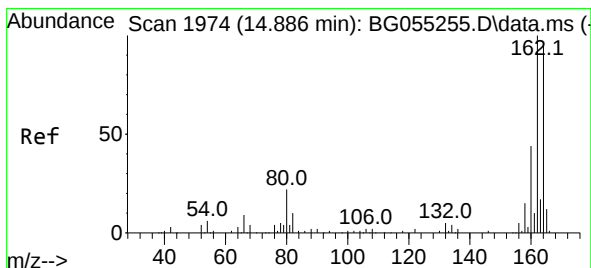
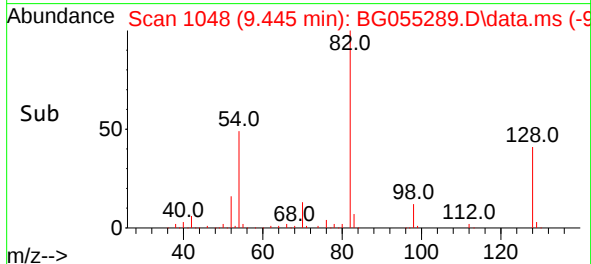
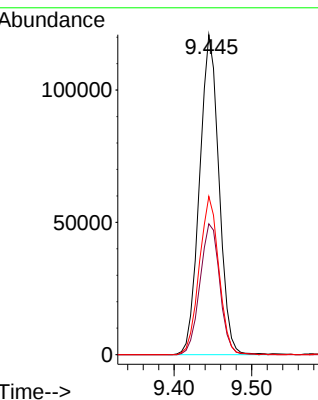
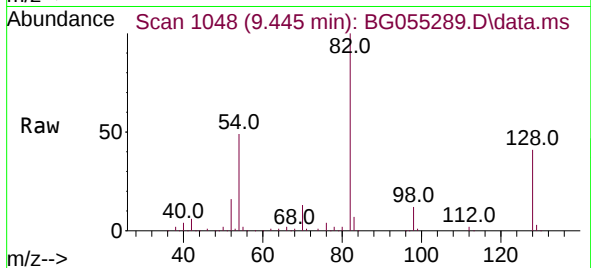
54 49.4 40.9 61.3

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.885 min Scan# 1974

Delta R.T. -0.001 min

Lab File: BG055289.D

Acq: 26 Oct 2022 00:13

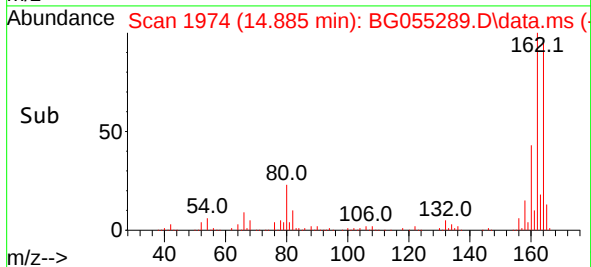
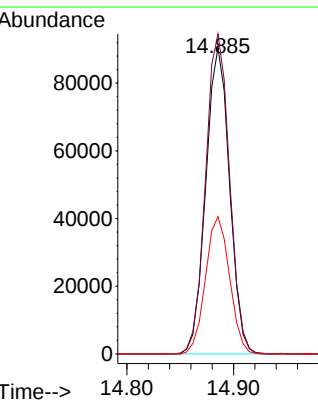
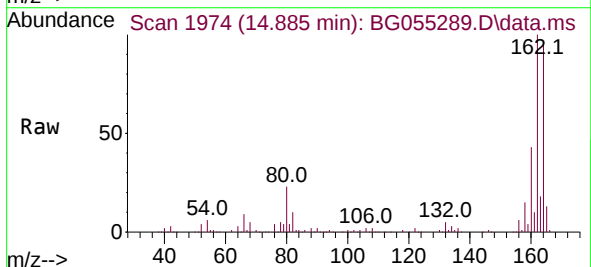
Tgt Ion:164 Resp: 140071

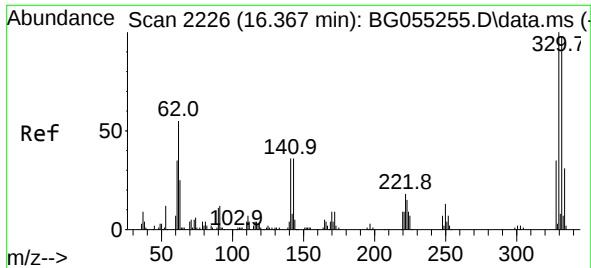
Ion Ratio Lower Upper

164 100

162 104.4 84.0 126.0

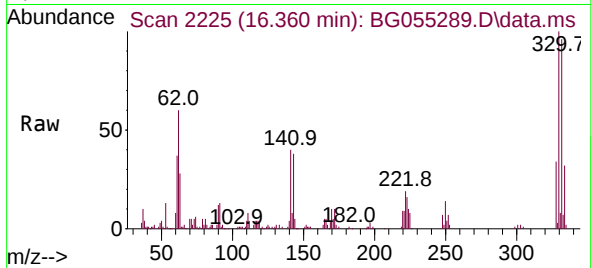
160 44.8 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 81.633 ng
RT: 16.360 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG055289.D
Acq: 26 Oct 2022 00:13

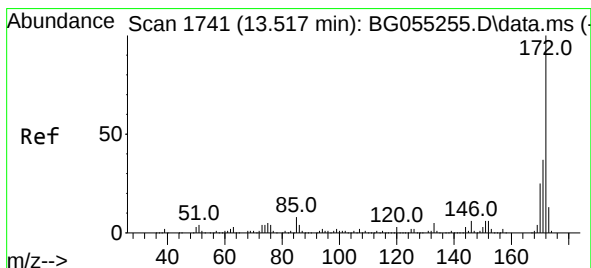
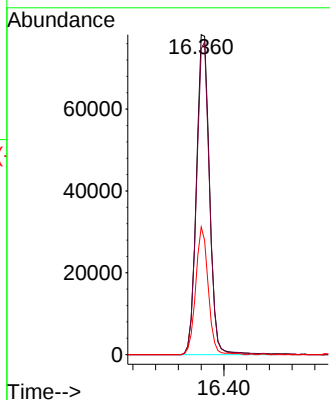
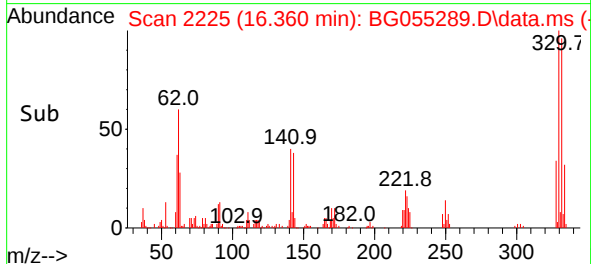
Instrument :
BNA_G
ClientSampleId :
HOLLAND-RD-COMP-1



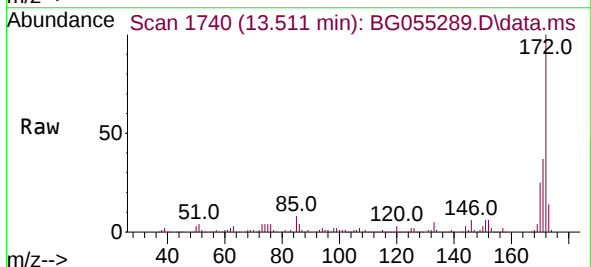
Tgt Ion:330 Resp: 124302
Ion Ratio Lower Upper
330 100
332 96.7 77.4 116.0
141 38.1 29.8 44.8

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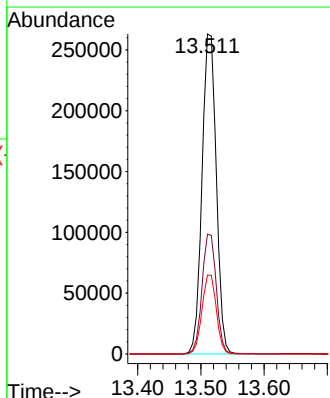
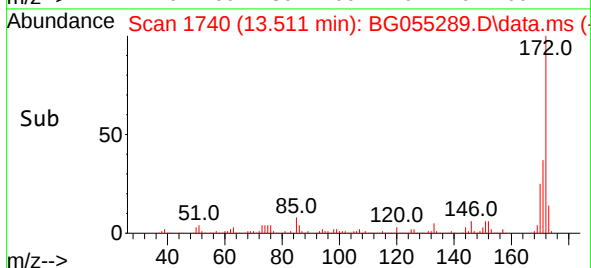
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022

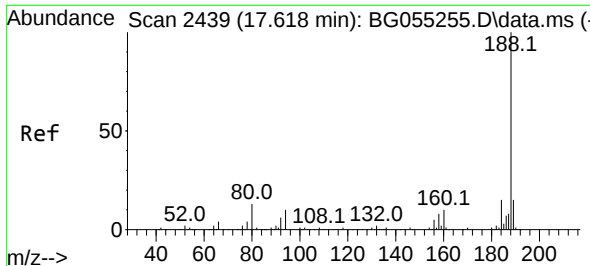


#45
2-Fluorobiphenyl
Concen: 48.159 ng
RT: 13.511 min Scan# 1740
Delta R.T. -0.007 min
Lab File: BG055289.D
Acq: 26 Oct 2022 00:13



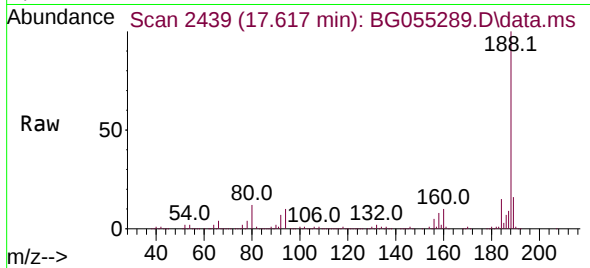
Tgt Ion:172 Resp: 412137
Ion Ratio Lower Upper
172 100
171 37.4 29.7 44.5
170 24.6 20.2 30.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.617 min Scan# 2439
Delta R.T. -0.001 min
Lab File: BG055289.D
Acq: 26 Oct 2022 00:13

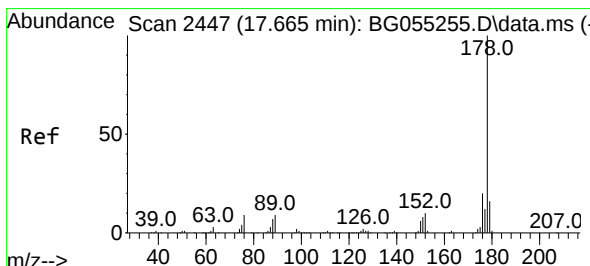
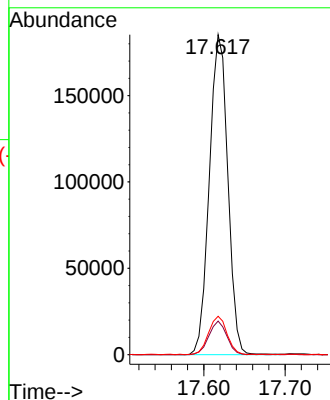
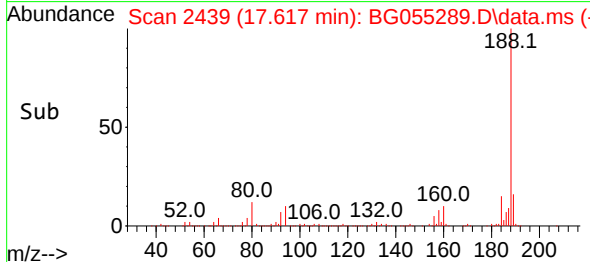
Instrument :
BNA_G
ClientSampleId :
HOLLAND-RD-COMP-1



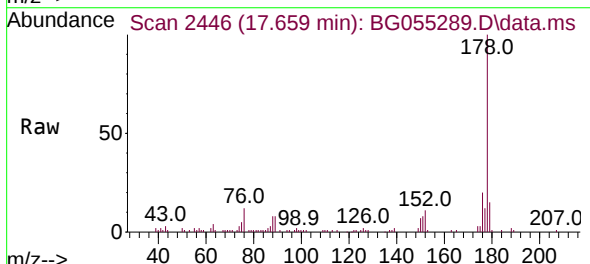
Tgt Ion:188 Resp: 292524
Ion Ratio Lower Upper
188 100
94 10.5 8.2 12.4
80 12.0 10.1 15.1

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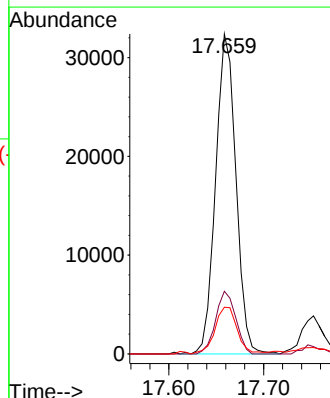
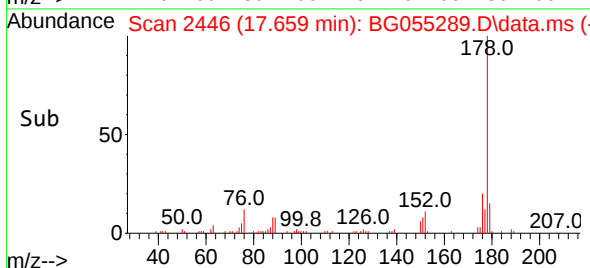
Reviewed By :Christian Giraldo 10/26/2022
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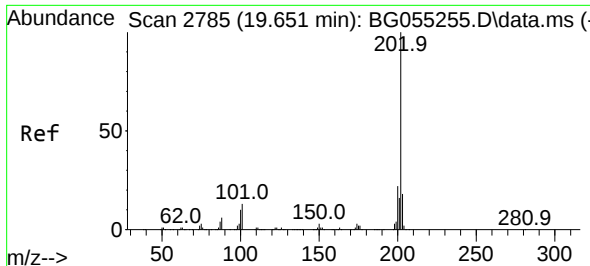


#71
Phenanthrene
Concen: 3.093 ng
RT: 17.659 min Scan# 2446
Delta R.T. -0.007 min
Lab File: BG055289.D
Acq: 26 Oct 2022 00:13



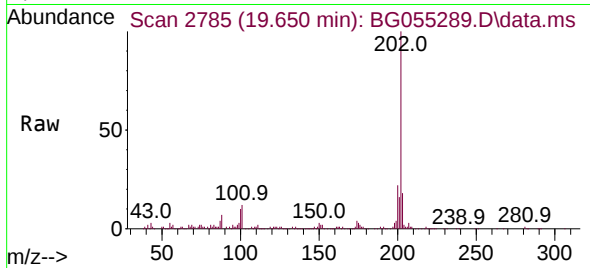
Tgt Ion:178 Resp: 48256
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 14.6 12.6 19.0





#75
Fluoranthene
Concen: 5.721 ng
RT: 19.650 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG055289.D
Acq: 26 Oct 2022 00:13

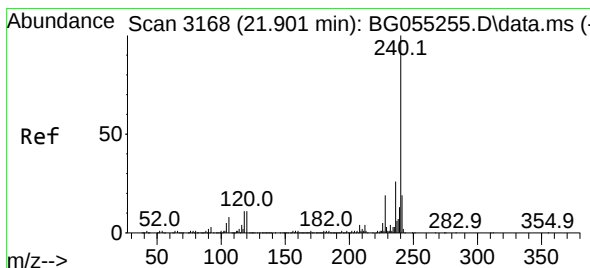
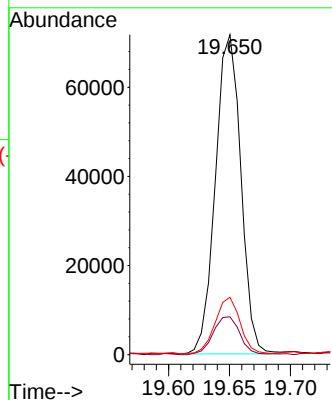
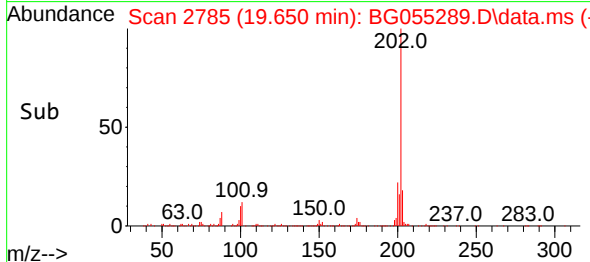
Instrument :
BNA_G
ClientSampleId :
HOLLAND-RD-COMP-1



Tgt Ion:202 Resp: 103994
Ion Ratio Lower Upper
202 100
101 11.8 0.0 32.6
203 17.9 0.0 38.3

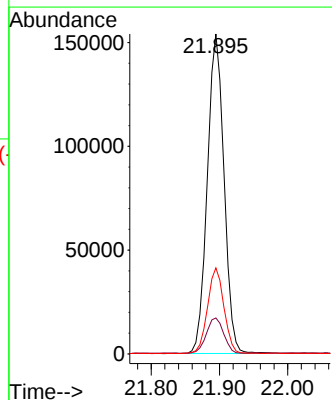
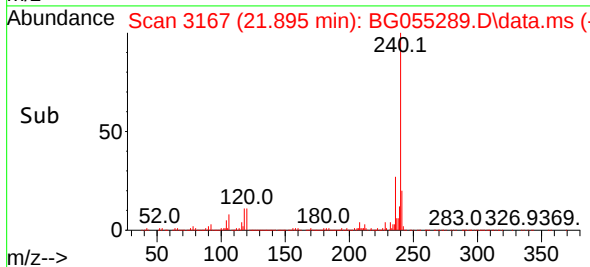
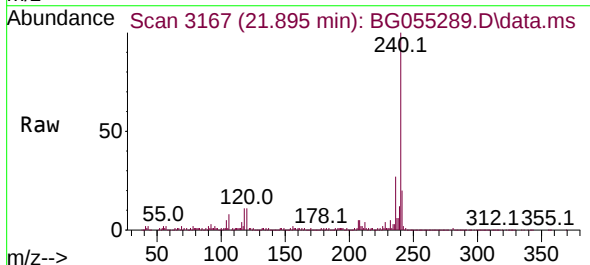
Manual Integrations
APPROVED

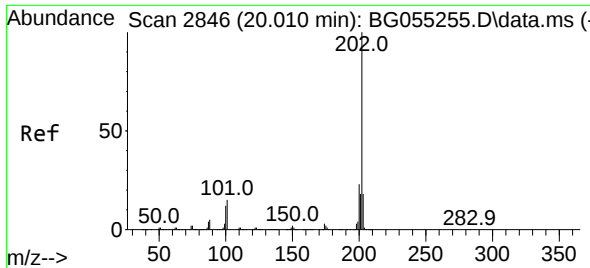
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.895 min Scan# 3167
Delta R.T. -0.007 min
Lab File: BG055289.D
Acq: 26 Oct 2022 00:13

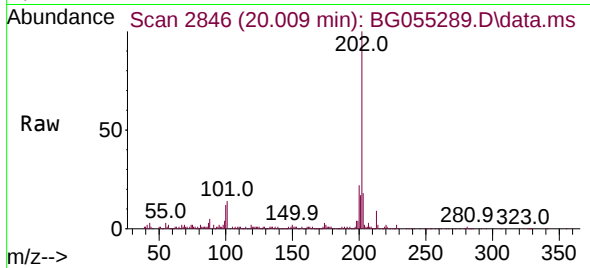
Tgt Ion:240 Resp: 261087
Ion Ratio Lower Upper
240 100
120 11.2 8.9 13.3
236 26.9 21.0 31.4





#78
Pyrene
Concen: 6.235 ng
RT: 20.009 min Scan# 2846
Delta R.T. -0.001 min
Lab File: BG055289.D
Acq: 26 Oct 2022 00:13

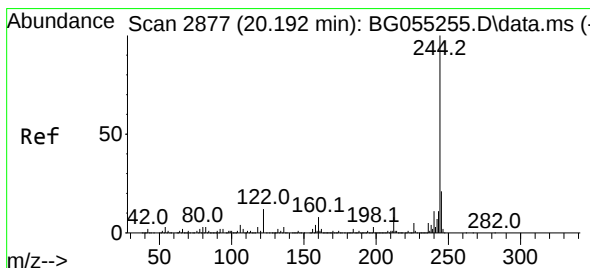
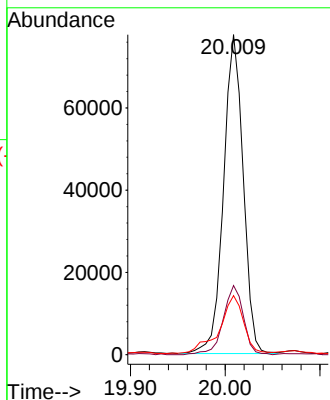
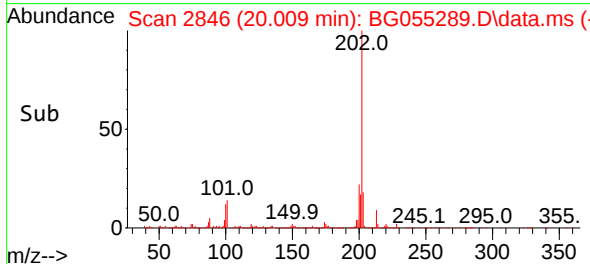
Instrument :
BNA_G
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HOLLAND-RD-COMP-1



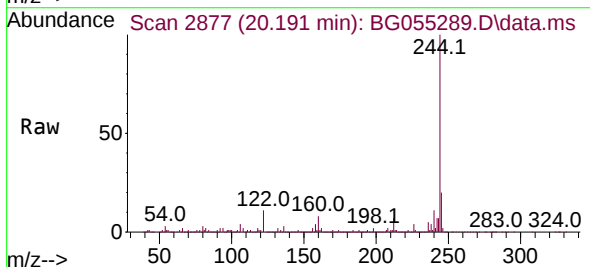
Tgt Ion:202 Resp: 111583
Ion Ratio Lower Upper
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200 21.6 18.0 27.0
203 18.4 14.3 21.5

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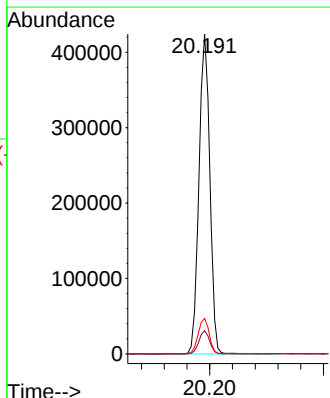
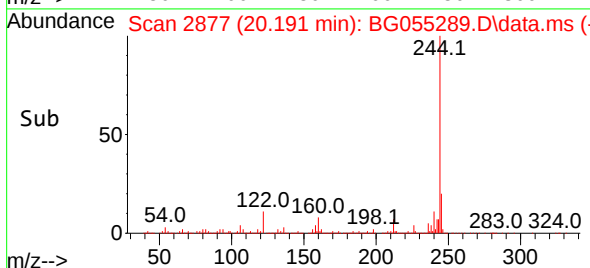
Reviewed By :Christian Giraldo 10/26/2022
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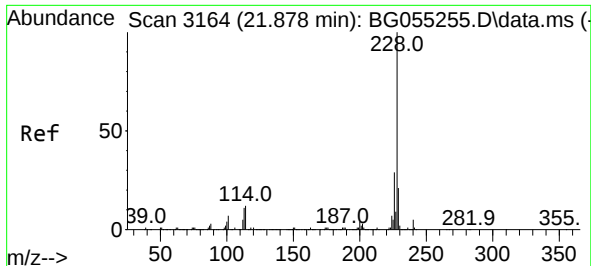


#79
Terphenyl-d14
Concen: 44.500 ng
RT: 20.191 min Scan# 2877
Delta R.T. -0.001 min
Lab File: BG055289.D
Acq: 26 Oct 2022 00:13



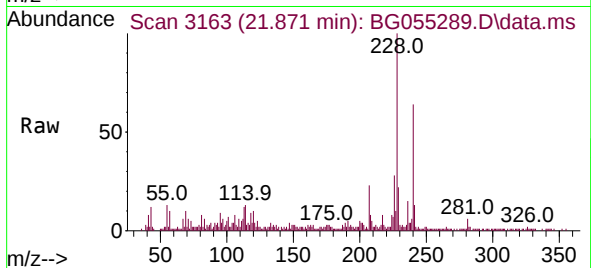
Tgt Ion:244 Resp: 559194
Ion Ratio Lower Upper
244 100
212 7.3 6.0 9.0
122 11.1 9.6 14.4





#81
Benzo(a)anthracene
Concen: 2.927 ng
RT: 21.871 min Scan# 3163
Delta R.T. -0.007 min
Lab File: BG055289.D
Acq: 26 Oct 2022 00:13

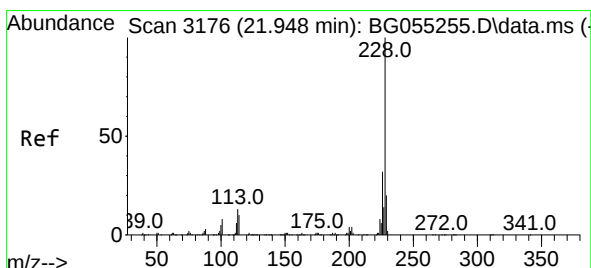
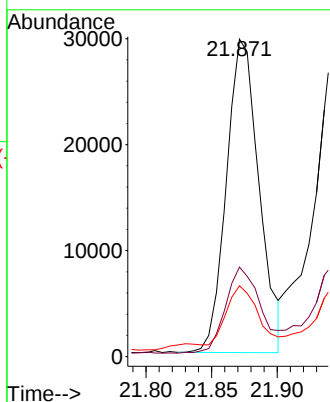
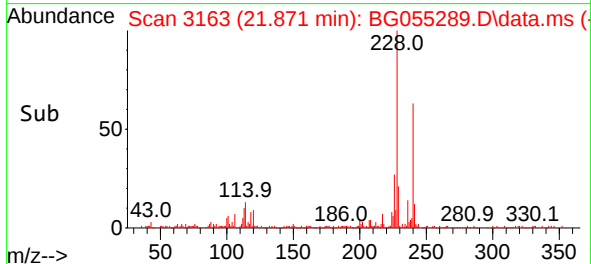
Instrument :
BNA_G
ClientSampleId :
HOLLAND-RD-COMP-1



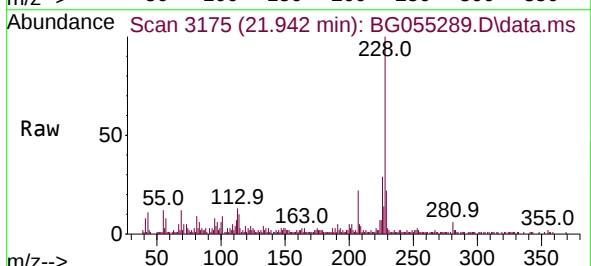
Tgt Ion:228 Resp: 51312
Ion Ratio Lower Upper
228 100
226 28.2 22.9 34.3
229 22.3 16.7 25.1

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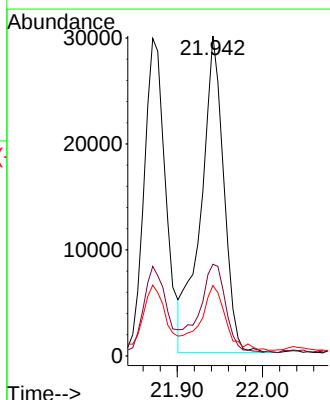
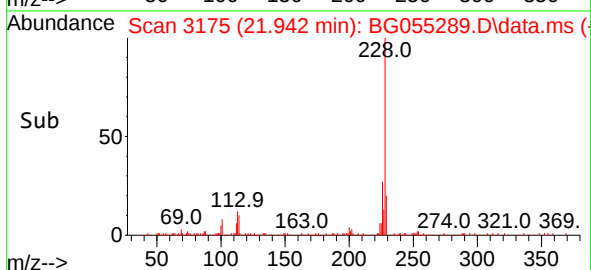
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022

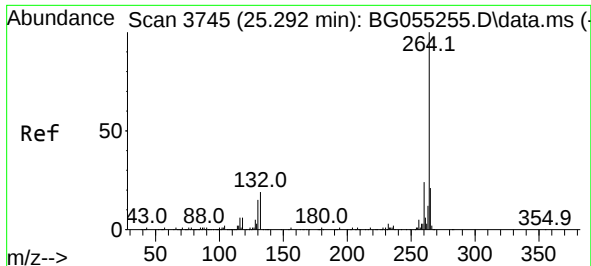


#83
Chrysene
Concen: 3.348 ng
RT: 21.942 min Scan# 3175
Delta R.T. -0.007 min
Lab File: BG055289.D
Acq: 26 Oct 2022 00:13



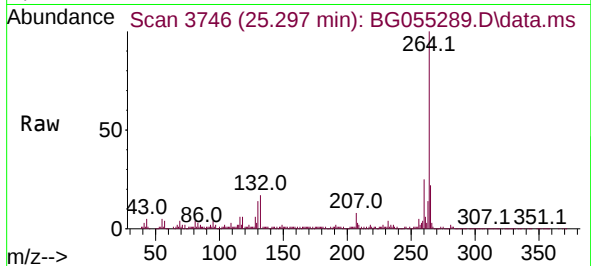
Tgt Ion:228 Resp: 55750
Ion Ratio Lower Upper
228 100
226 28.6 25.8 38.8
229 22.0 16.3 24.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.297 min Scan# 3746
Delta R.T. 0.005 min
Lab File: BG055289.D
Acq: 26 Oct 2022 00:13

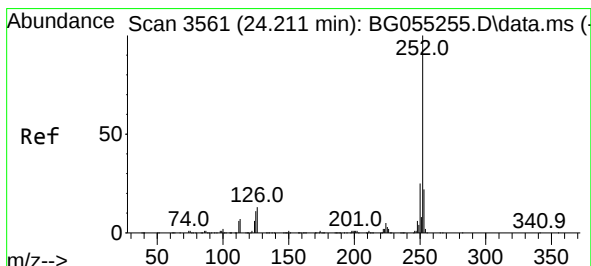
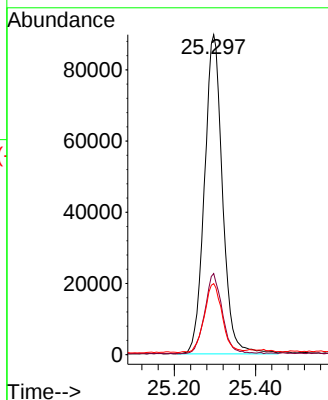
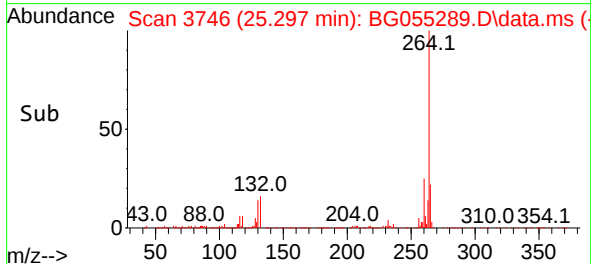
Instrument :
BNA_G
ClientSampleId :
HOLLAND-RD-COMP-1



Tgt Ion:264 Resp: 276995
Ion Ratio Lower Upper
264 100
260 25.3 19.5 29.3
265 22.2 17.4 26.2

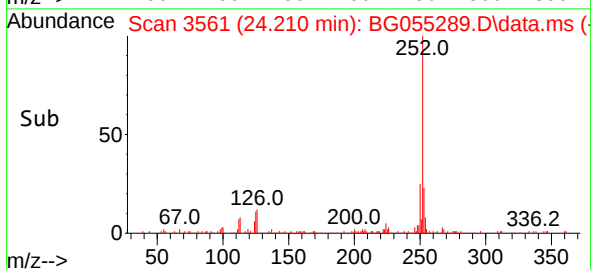
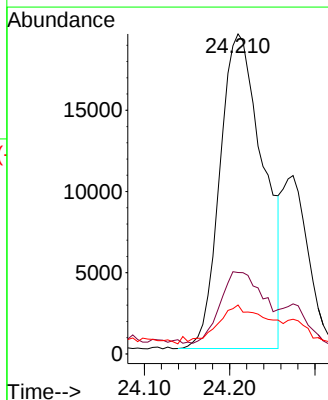
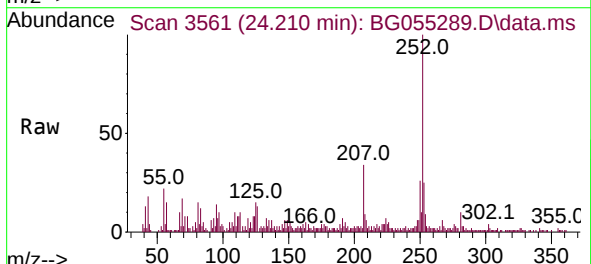
Manual Integrations
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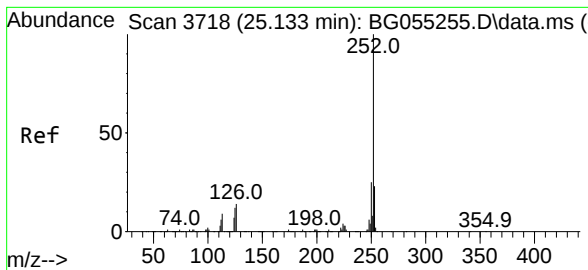
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022



#88
Benzo(b)fluoranthene
Concen: 4.103 ng
RT: 24.210 min Scan# 3561
Delta R.T. -0.001 min
Lab File: BG055289.D
Acq: 26 Oct 2022 00:13

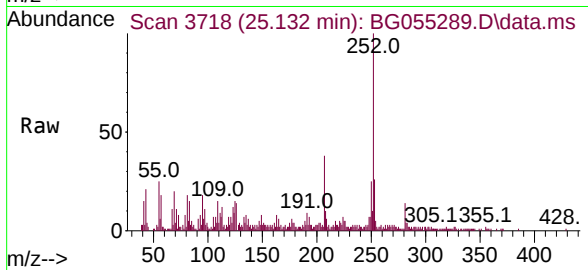
Tgt Ion:252 Resp: 68371
Ion Ratio Lower Upper
252 100
253 25.5 17.6 26.4
125 15.3 9.0 13.4#





#90
Benzo(a)pyrene
Concen: 3.394 ng
RT: 25.132 min Scan# 31
Delta R.T. -0.001 min
Lab File: BG055289.D
Acq: 26 Oct 2022 00:13

Instrument :
BNA_G
ClientSampleId :
HOLLAND-RD-COMP-1



Tgt Ion:252 Resp: 48488

Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.2	27.2
125	15.2	9.8	14.8

Manual Integrations
APPROVED

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

