

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102522\
 Data File : BG055292.D
 Acq On : 26 Oct 2022 2:20
 Operator : CG/JU
 Sample : N5257-07 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HOLLAND-RD-COMP-4

Manual Integrations
 APPROVED

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

Quant Time: Oct 26 15:55:50 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	8.277	152	63321	20.000	ng	0.00
21) Naphthalene-d8	11.109	136	263371	20.000	ng	0.00
39) Acenaphthene-d10	14.887	164	156105	20.000	ng	0.00
64) Phenanthrene-d10	17.619	188	299814	20.000	ng	0.00
76) Chrysene-d12	21.902	240	267219	20.000	ng	0.00
86) Perylene-d12	25.304	264	257810	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.803	112	149618	41.373	ng	0.01
7) Phenol-d6	7.419	99	206267	39.370	ng	0.00
23) Nitrobenzene-d5	9.446	82	131190	25.436	ng	0.00
42) 2,4,6-Tribromophenol	16.367	330	65600	38.657	ng	0.00
45) 2-Fluorobiphenyl	13.518	172	241281	25.298	ng	0.00
79) Terphenyl-d14	20.192	244	284971	22.157	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.666	178	56689	3.545	ng	99
75) Fluoranthene	19.652	202	205892	11.051	ng	99
78) Pyrene	20.010	202	191929	10.479	ng	98
81) Benzo(a)anthracene	21.878	228	105463	5.877	ng	99
83) Chrysene	21.949	228	111584	6.546	ng	97
87) Indeno(1,2,3-cd)pyrene	29.217	276	49969	2.624	ng	95
88) Benzo(b)fluoranthene	24.217	252	155007	9.995	ng	# 94
89) Benzo(k)fluoranthene	24.281	252	70236m	4.485	ng	
90) Benzo(a)pyrene	25.145	252	102447	7.704	ng	# 94
92) Benzo(g,h,i)perylene	30.451	276	45327	2.924	ng	94

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

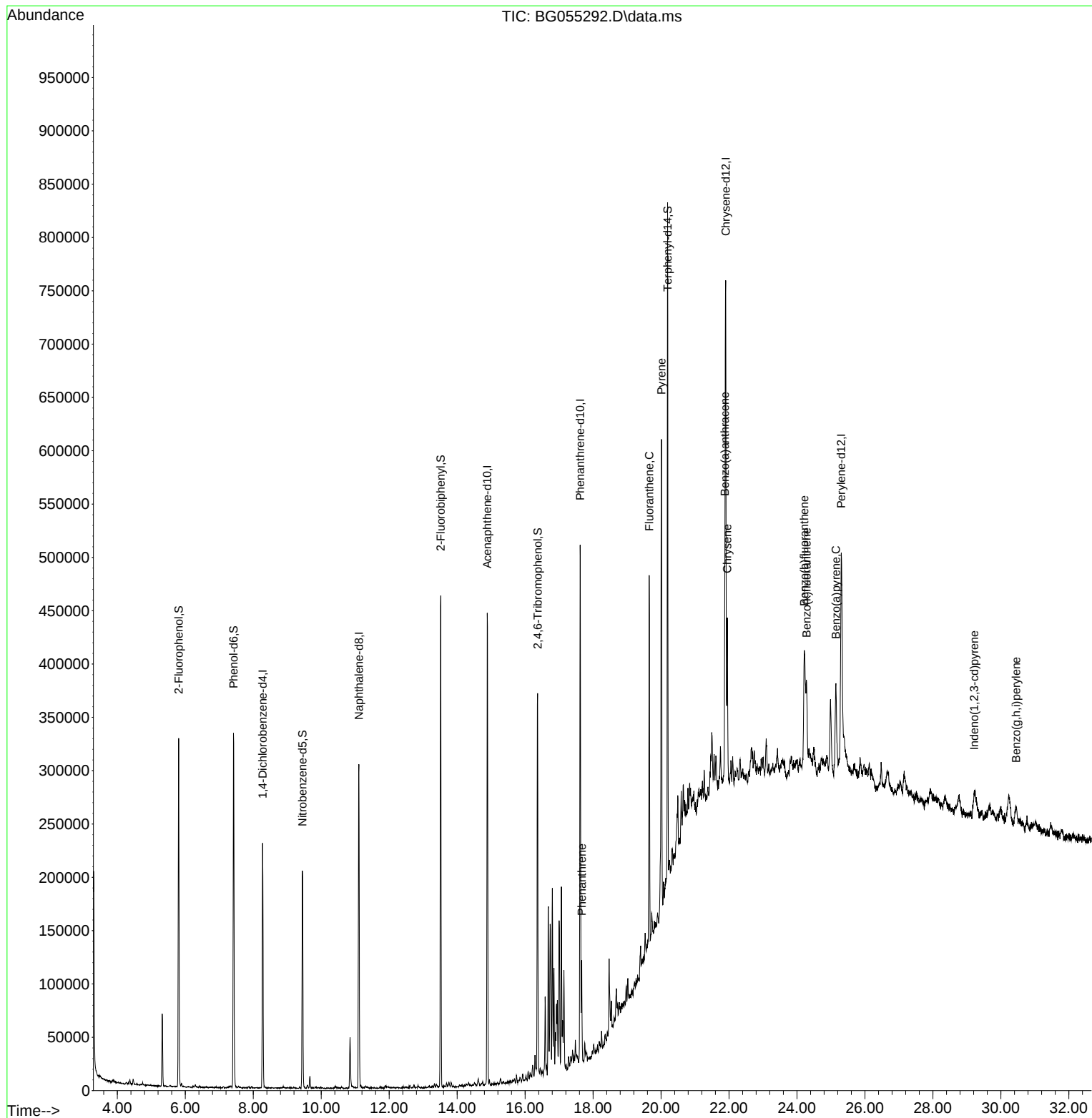
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102522\
Data File : BG055292.D
Acq On : 26 Oct 2022 2:20
Operator : CG/JU
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ALS Vial : 17 Sample Multiplier: 1

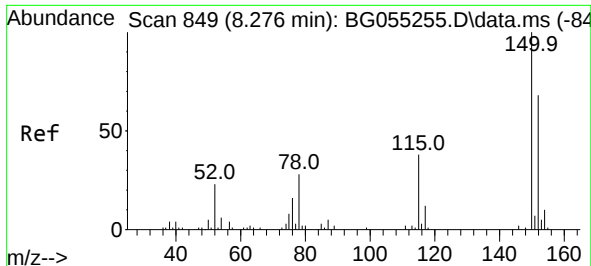
Instrument :
BNA_G
ClientSampleId :
HOLLAND-RD-COMP-4

Quant Time: Oct 26 15:55:50 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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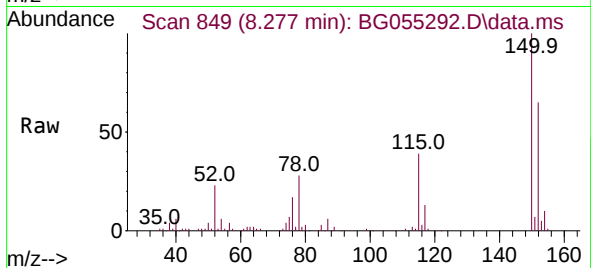
Reviewed By : Christian Giraldo 10/26/2022
Supervised By : Jagrut Upadhyay 10/27/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.277 min Scan# 849
Delta R.T. 0.001 min
Lab File: BG055292.D
Acq: 26 Oct 2022 2:20

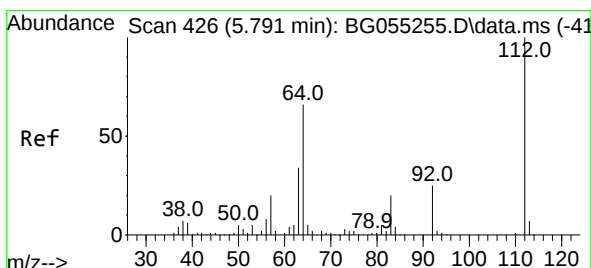
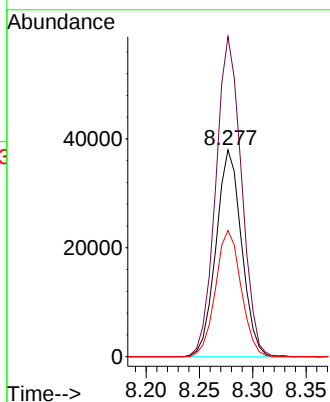
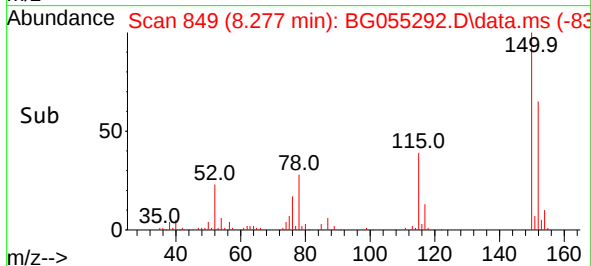
Instrument :
BNA_G
ClientSampleId :
HOLLAND-RD-COMP-4



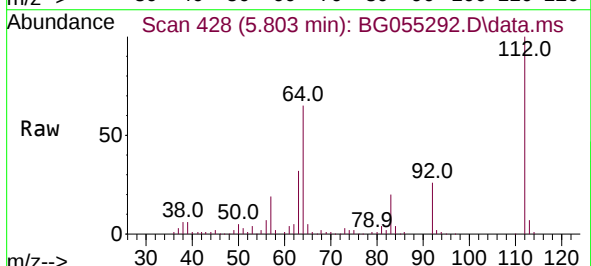
Tgt Ion:152 Resp: 63321
Ion Ratio Lower Upper
152 100
150 154.8 118.2 177.4
115 61.0 44.5 66.7

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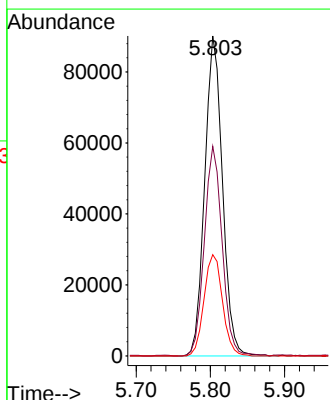
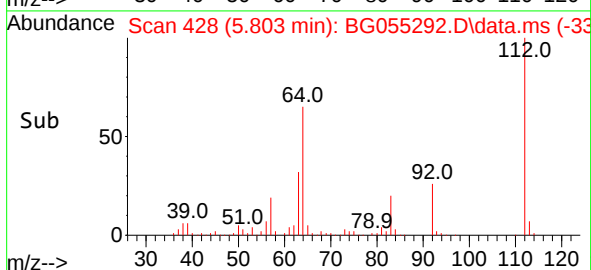
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022

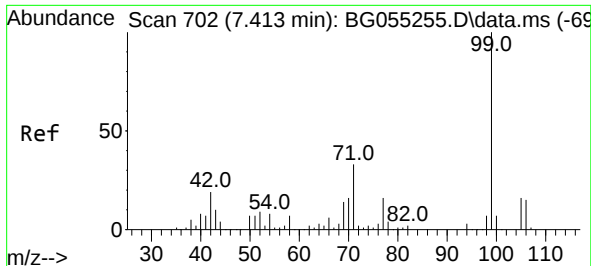


#5
2-Fluorophenol
Concen: 41.373 ng
RT: 5.803 min Scan# 428
Delta R.T. 0.012 min
Lab File: BG055292.D
Acq: 26 Oct 2022 2:20



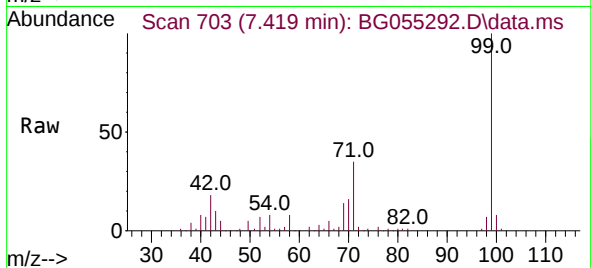
Tgt Ion:112 Resp: 149618
Ion Ratio Lower Upper
112 100
64 65.5 52.6 78.8
63 31.6 27.1 40.7





#7
Phenol-d6
Concen: 39.370 ng
RT: 7.419 min Scan# 702
Delta R.T. 0.006 min
Lab File: BG055292.D
Acq: 26 Oct 2022 2:20

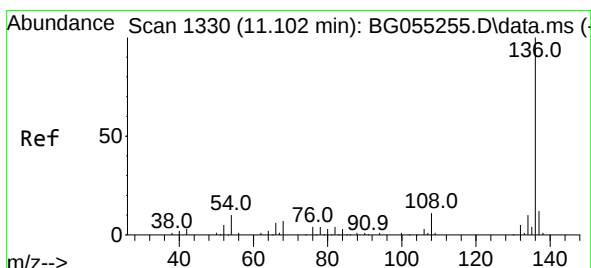
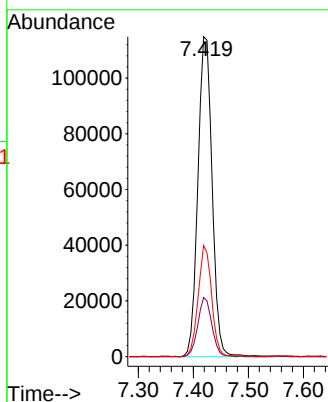
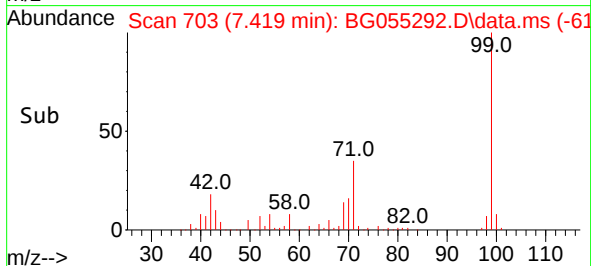
Instrument :
BNA_G
ClientSampleId :
HOLLAND-RD-COMP-4



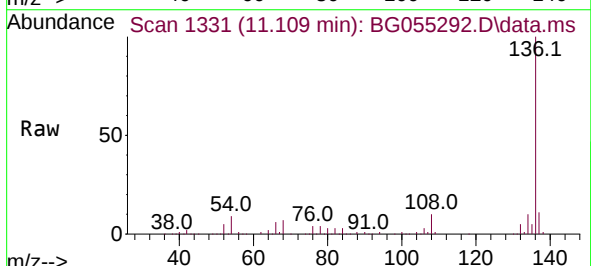
Tgt Ion: 99 Resp: 20626
Ion Ratio Lower Upper
99 100
42 18.5 15.2 22.8
71 34.7 26.2 39.4

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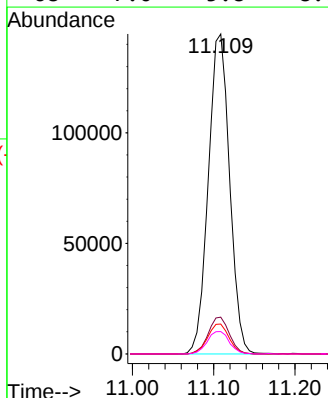
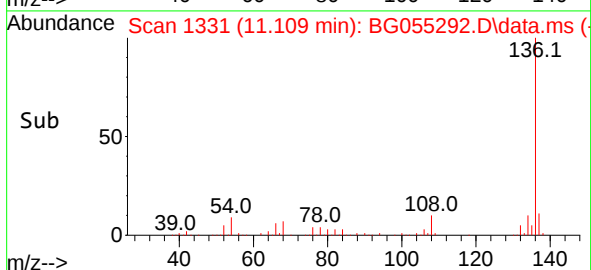
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022

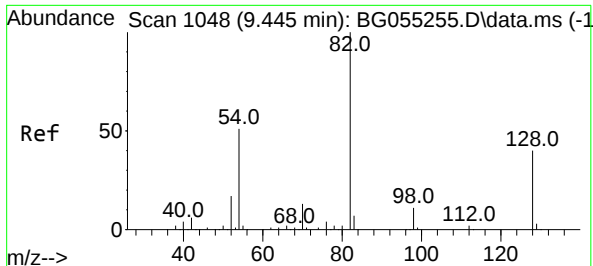


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.109 min Scan# 1331
Delta R.T. 0.007 min
Lab File: BG055292.D
Acq: 26 Oct 2022 2:20



Tgt Ion:136 Resp: 263371
Ion Ratio Lower Upper
136 100
137 11.5 9.2 13.8
54 9.3 7.8 11.8
68 7.0 5.8 8.6





#23

Nitrobenzene-d5

Concen: 25.436 ng

RT: 9.446 min Scan# 1048

Delta R.T. 0.000 min

Lab File: BG055292.D

Acq: 26 Oct 2022 2:20

Instrument :

BNA_G

ClientSampleId :

HOLLAND-RD-COMP-4

Tgt Ion: 82 Resp: 131190

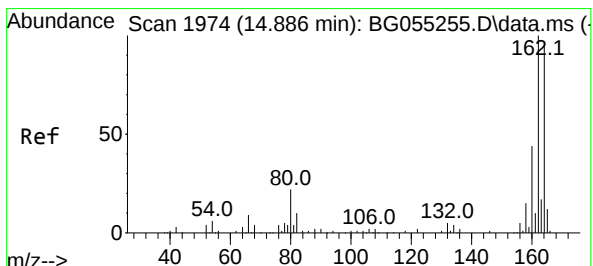
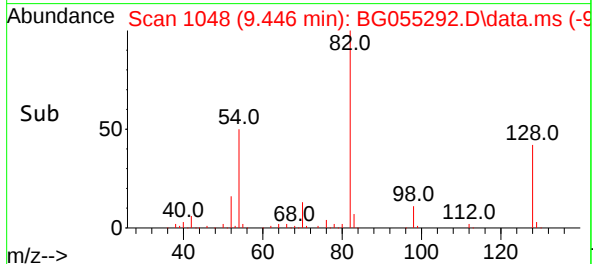
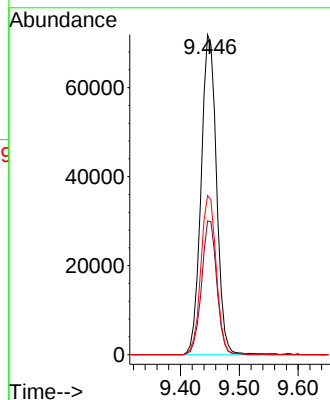
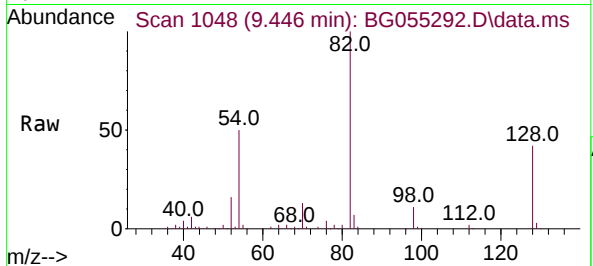
Ion	Ratio	Lower	Upper
82	100		
128	41.8	32.0	48.0
54	49.7	40.9	61.3

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.887 min Scan# 1974

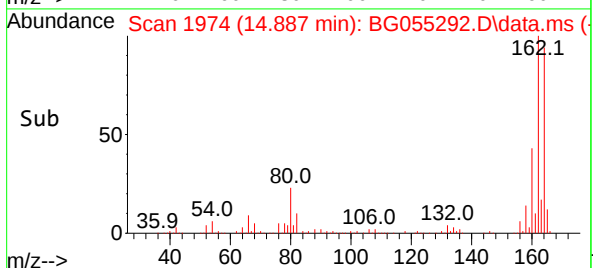
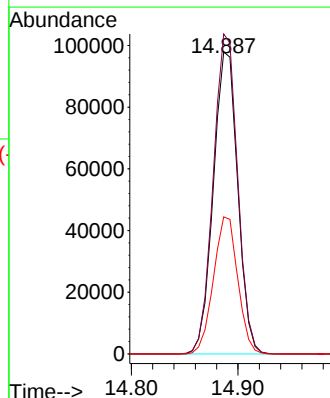
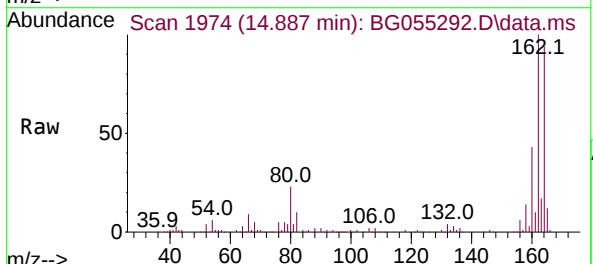
Delta R.T. 0.001 min

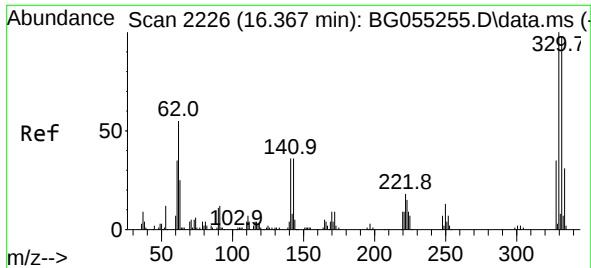
Lab File: BG055292.D

Acq: 26 Oct 2022 2:20

Tgt Ion:164 Resp: 156105

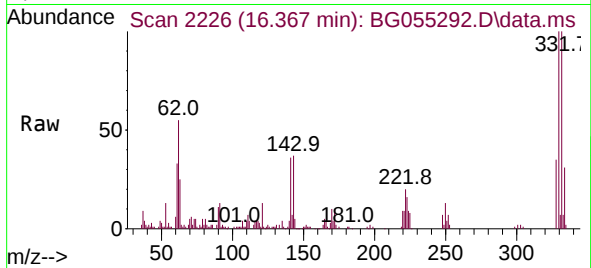
Ion	Ratio	Lower	Upper
164	100		
162	106.0	84.0	126.0
160	45.4	36.7	55.1





#42
2,4,6-Tribromophenol
Concen: 38.657 ng
RT: 16.367 min Scan# 2226
Delta R.T. 0.000 min
Lab File: BG055292.D
Acq: 26 Oct 2022 2:20

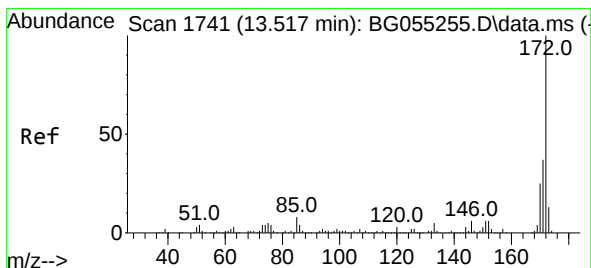
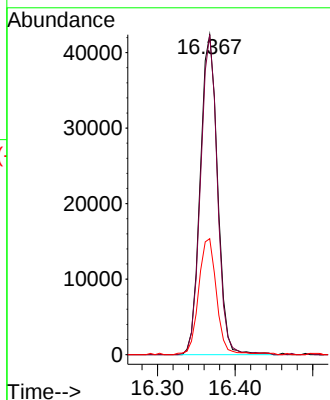
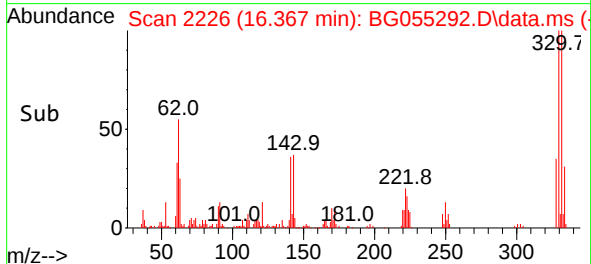
Instrument :
BNA_G
ClientSampleId :
HOLLAND-RD-COMP-4



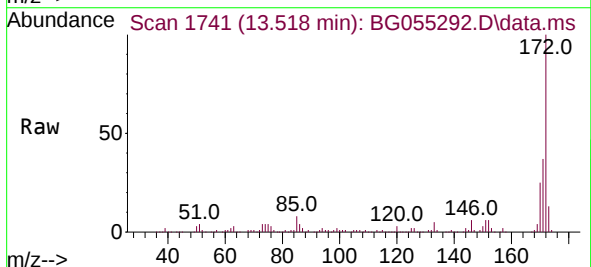
Tgt Ion:330 Resp: 65600
Ion Ratio Lower Upper
330 100
332 97.2 77.4 116.0
141 37.4 29.8 44.8

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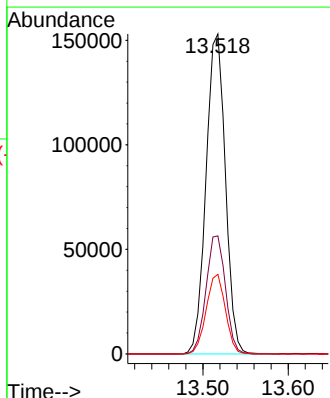
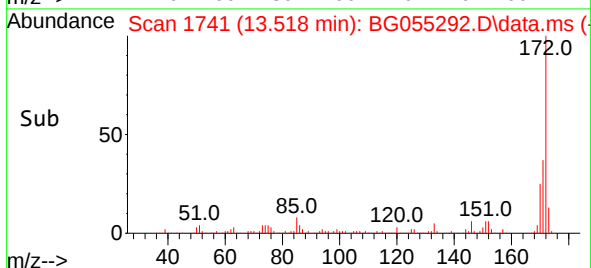
Reviewed By :Christian Giraldo 10/26/2022
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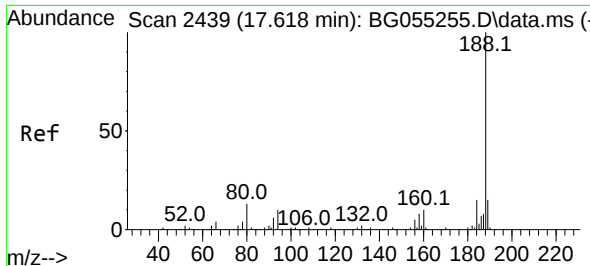


#45
2-Fluorobiphenyl
Concen: 25.298 ng
RT: 13.518 min Scan# 1741
Delta R.T. 0.000 min
Lab File: BG055292.D
Acq: 26 Oct 2022 2:20



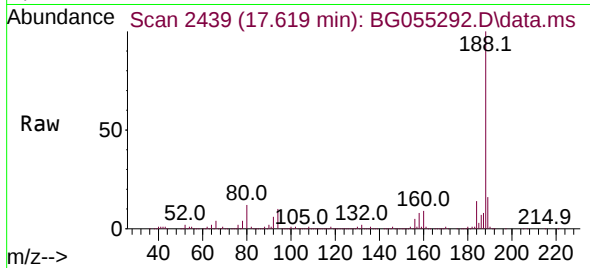
Tgt Ion:172 Resp: 241281
Ion Ratio Lower Upper
172 100
171 36.9 29.7 44.5
170 24.9 20.2 30.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.619 min Scan# 2439
Delta R.T. 0.001 min
Lab File: BG055292.D
Acq: 26 Oct 2022 2:20

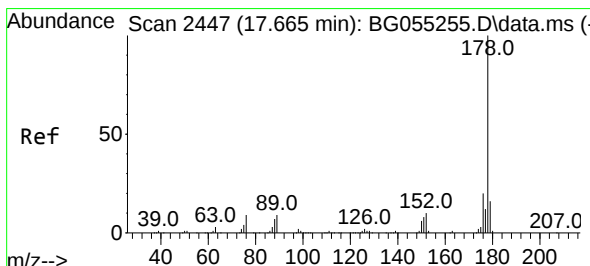
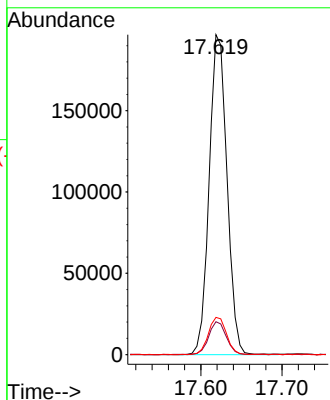
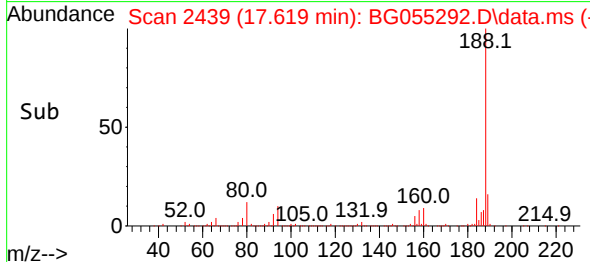
Instrument :
BNA_G
ClientSampleId :
HOLLAND-RD-COMP-4



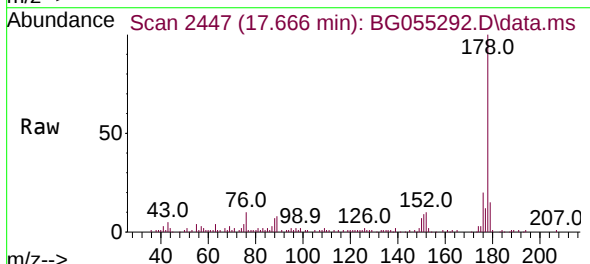
Tgt Ion:188 Resp: 299814
Ion Ratio Lower Upper
188 100
94 10.3 8.2 12.4
80 11.6 10.1 15.1

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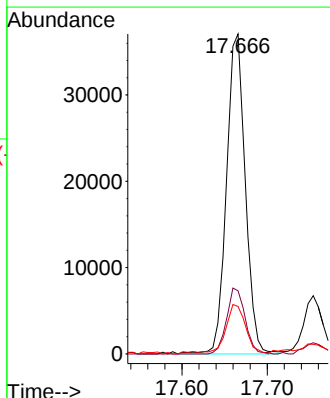
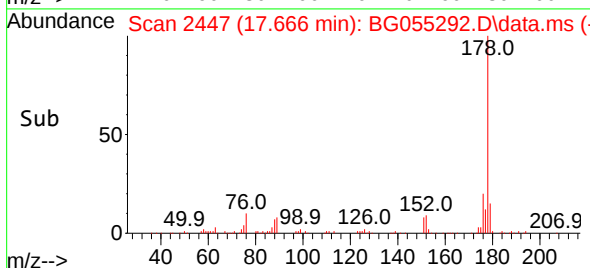
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022

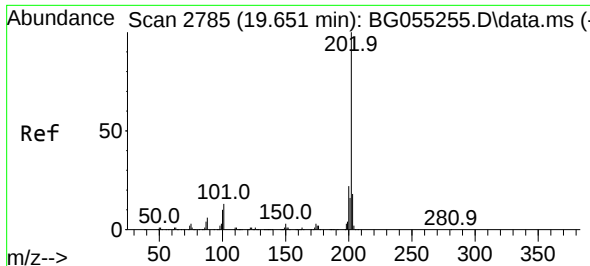


#71
Phenanthrene
Concen: 3.545 ng
RT: 17.666 min Scan# 2447
Delta R.T. 0.000 min
Lab File: BG055292.D
Acq: 26 Oct 2022 2:20



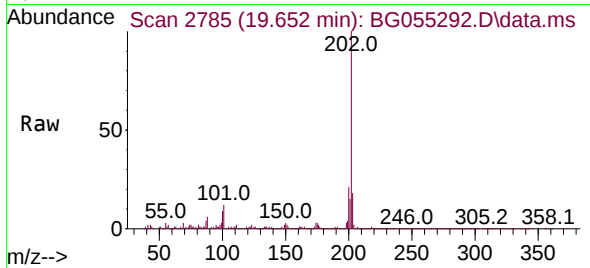
Tgt Ion:178 Resp: 56689
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 14.8 12.6 19.0





#75
Fluoranthene
Concen: 11.051 ng
RT: 19.652 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG055292.D
Acq: 26 Oct 2022 2:20

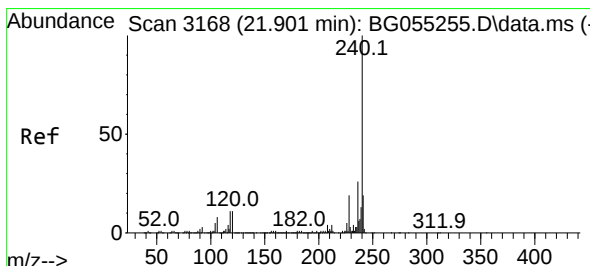
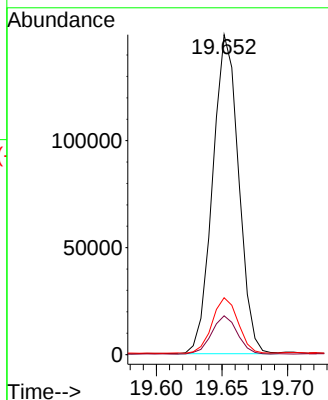
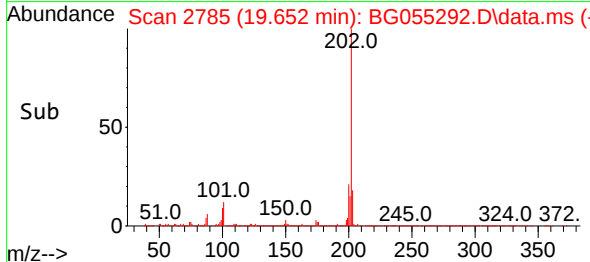
Instrument :
BNA_G
ClientSampleId :
HOLLAND-RD-COMP-4



Tgt Ion:202 Resp: 205892
Ion Ratio Lower Upper
202 100
101 12.2 0.0 32.6
203 17.8 0.0 38.3

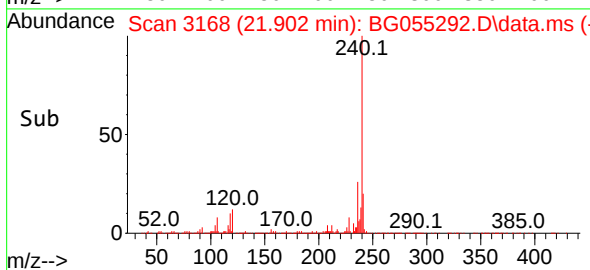
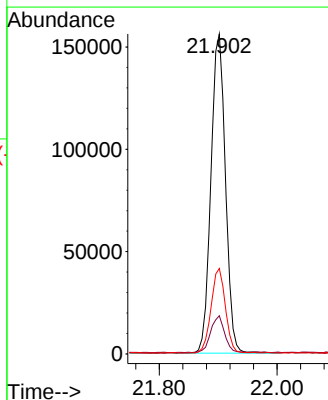
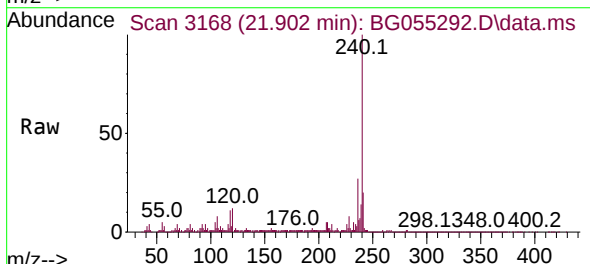
Manual Integrations
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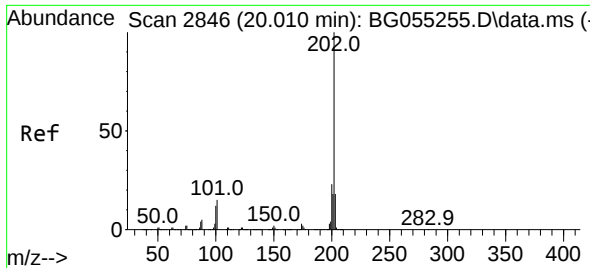
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.902 min Scan# 3168
Delta R.T. 0.000 min
Lab File: BG055292.D
Acq: 26 Oct 2022 2:20

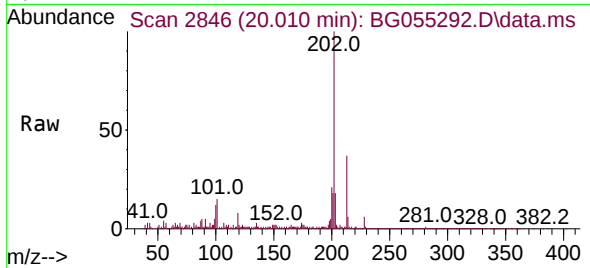
Tgt Ion:240 Resp: 267219
Ion Ratio Lower Upper
240 100
120 11.9 8.9 13.3
236 26.7 21.0 31.4





#78
 Pyrene
 Concen: 10.479 ng
 RT: 20.010 min Scan# 2846
 Delta R.T. 0.000 min
 Lab File: BG055292.D
 Acq: 26 Oct 2022 2:20

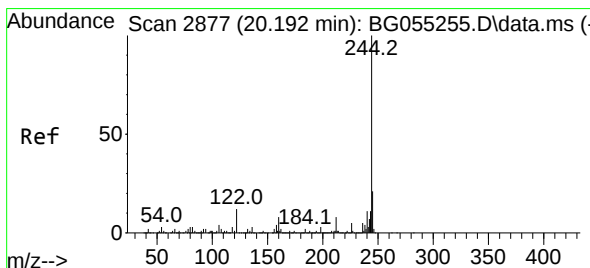
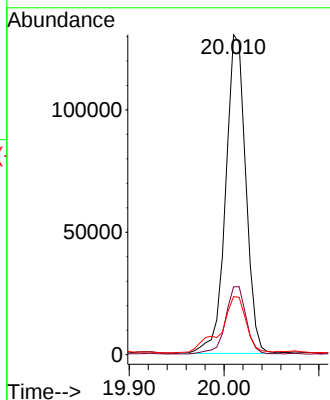
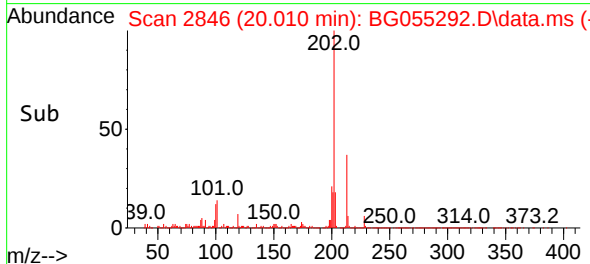
Instrument :
 BNA_G
 ClientSampleId :
 HOLLAND-RD-COMP-4



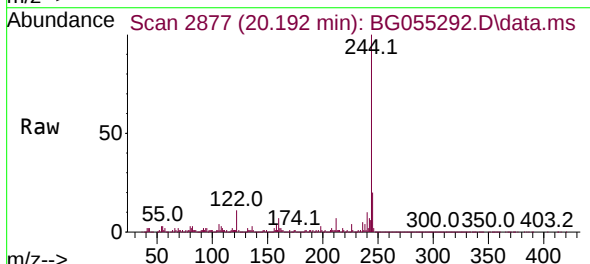
Tgt Ion:202 Resp: 191929
 Ion Ratio Lower Upper
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 200 21.2 18.0 27.0
 203 18.1 14.3 21.5

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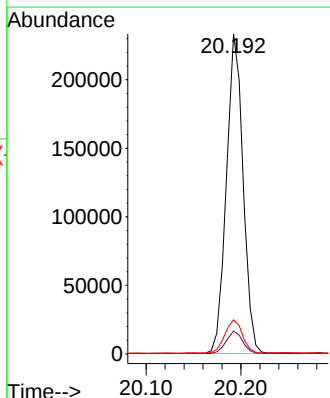
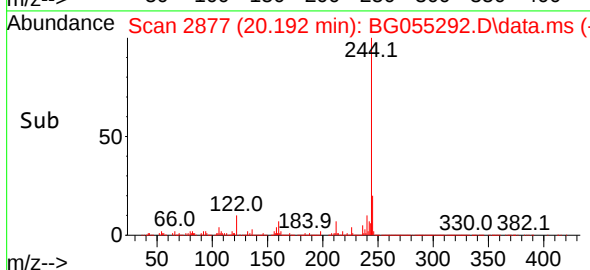
Reviewed By :Christian Giraldo 10/26/2022
 Supervised By :Jagrut Upadhyay 10/27/2022

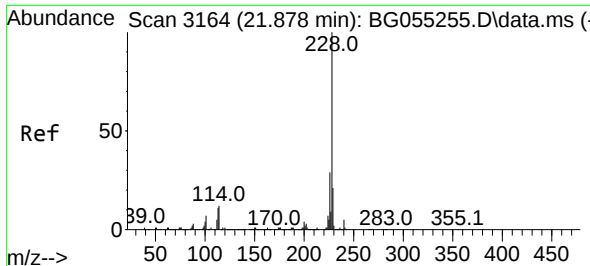


#79
 Terphenyl-d14
 Concen: 22.157 ng
 RT: 20.192 min Scan# 2877
 Delta R.T. 0.000 min
 Lab File: BG055292.D
 Acq: 26 Oct 2022 2:20



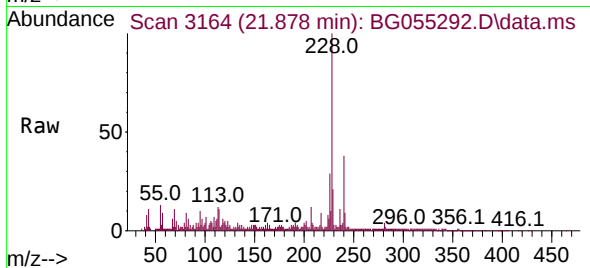
Tgt Ion:244 Resp: 284971
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 10.6 9.6 14.4





#81
Benzo(a)anthracene
Concen: 5.877 ng
RT: 21.878 min Scan# 3164
Delta R.T. 0.000 min
Lab File: BG055292.D
Acq: 26 Oct 2022 2:20

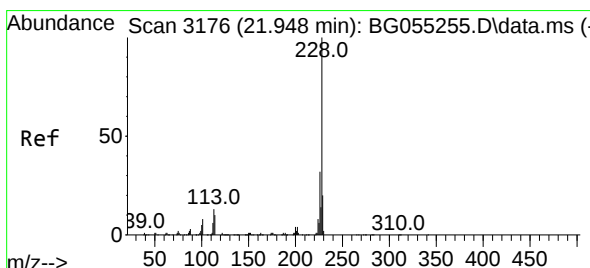
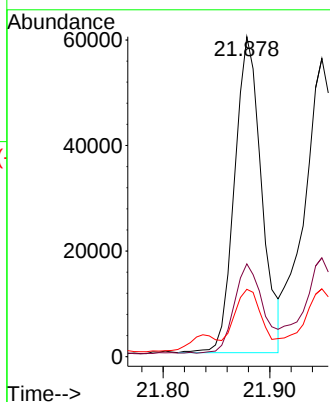
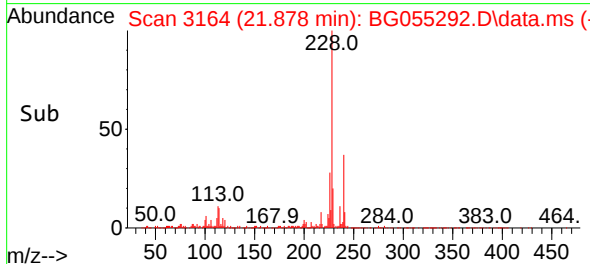
Instrument :
BNA_G
ClientSampleId :
HOLLAND-RD-COMP-4



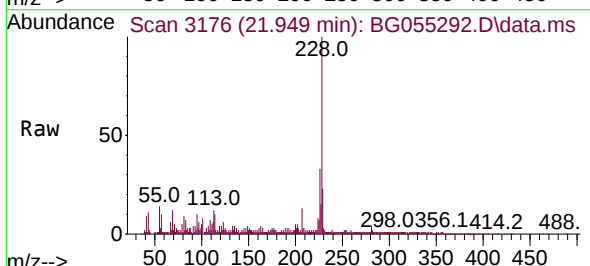
Tgt Ion:228 Resp: 105463
Ion Ratio Lower Upper
228 100
226 29.0 22.9 34.3
229 21.0 16.7 25.1

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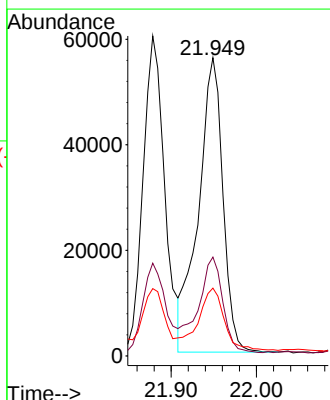
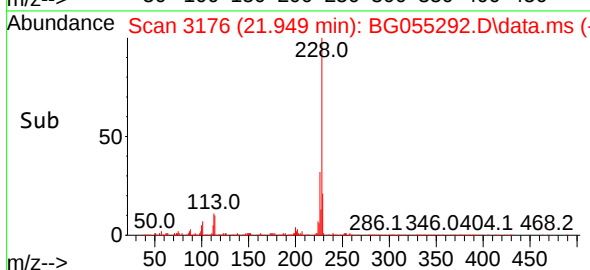
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022

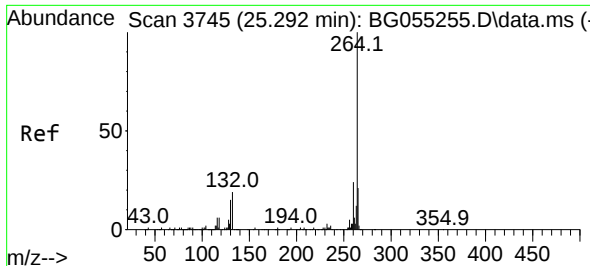


#83
Chrysene
Concen: 6.546 ng
RT: 21.949 min Scan# 3176
Delta R.T. 0.000 min
Lab File: BG055292.D
Acq: 26 Oct 2022 2:20



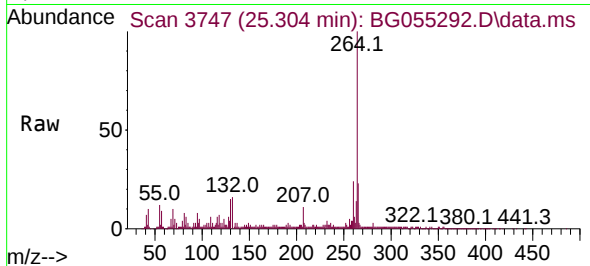
Tgt Ion:228 Resp: 111584
Ion Ratio Lower Upper
228 100
226 33.2 25.8 38.8
229 22.7 16.3 24.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.304 min Scan# 31
Delta R.T. 0.012 min
Lab File: BG055292.D
Acq: 26 Oct 2022 2:20

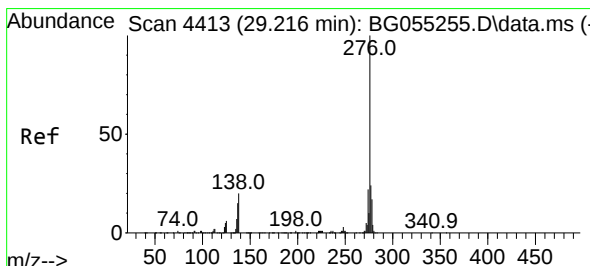
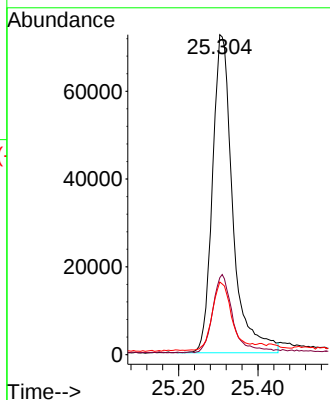
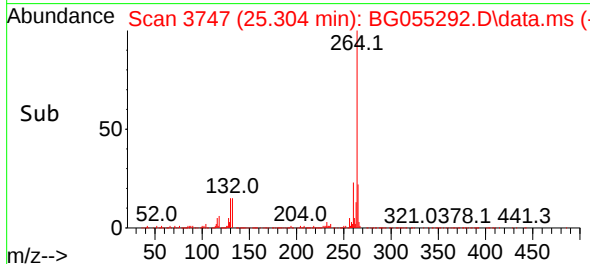
Instrument :
BNA_G
ClientSampleId :
HOLLAND-RD-COMP-4



Tgt Ion:264 Resp: 257810
Ion Ratio Lower Upper
264 100
260 24.0 19.5 29.3
265 22.7 17.4 26.2

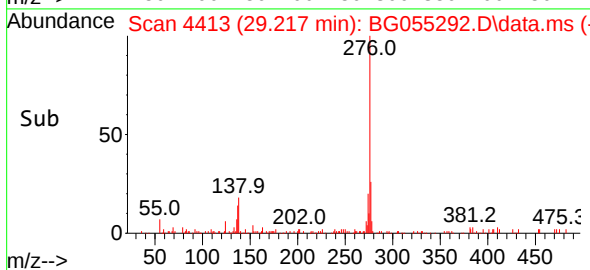
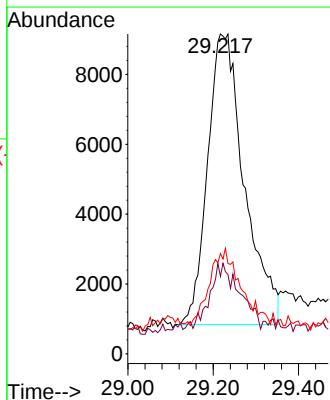
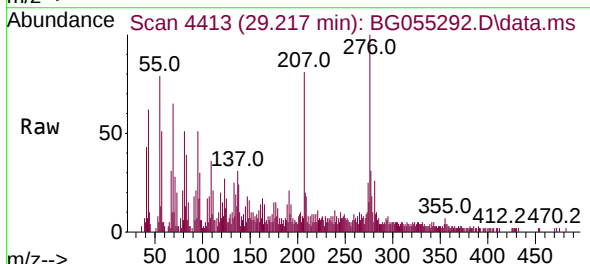
Manual Integrations
APPROVED

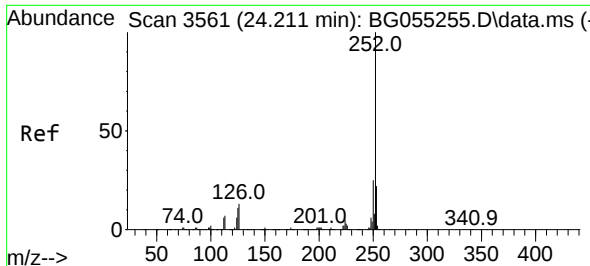
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.624 ng
RT: 29.217 min Scan# 4413
Delta R.T. 0.000 min
Lab File: BG055292.D
Acq: 26 Oct 2022 2:20

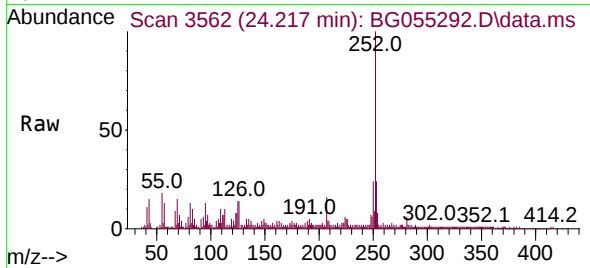
Tgt Ion:276 Resp: 49969
Ion Ratio Lower Upper
276 100
138 19.1 13.9 20.9
277 22.9 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 9.995 ng
RT: 24.217 min Scan# 3561
Delta R.T. 0.006 min
Lab File: BG055292.D
Acq: 26 Oct 2022 2:20

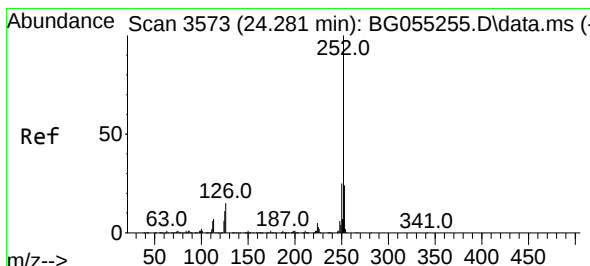
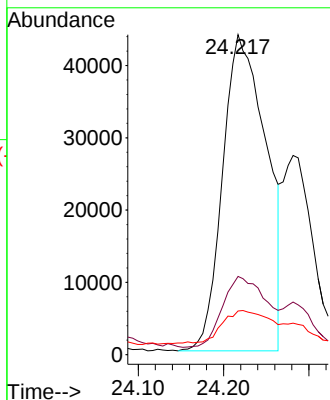
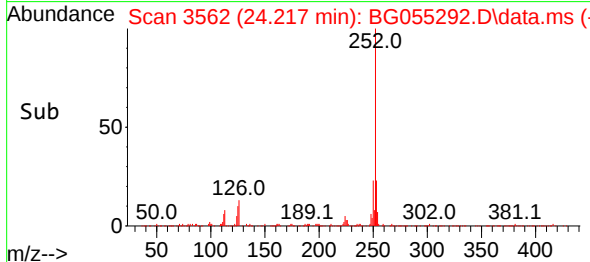
Instrument :
BNA_G
ClientSampleId :
HOLLAND-RD-COMP-4



Tgt Ion:252 Resp: 155007
Ion Ratio Lower Upper
252 100
253 24.4 17.6 26.4
125 13.6 9.0 13.4

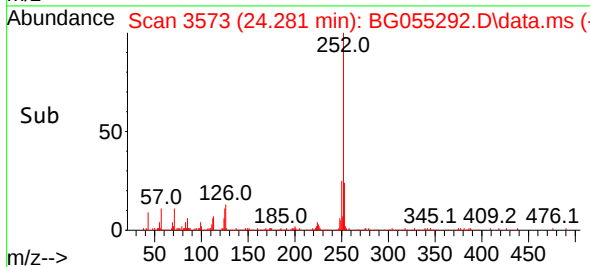
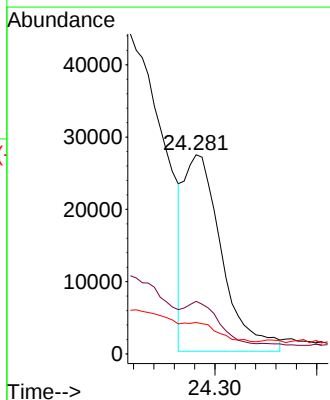
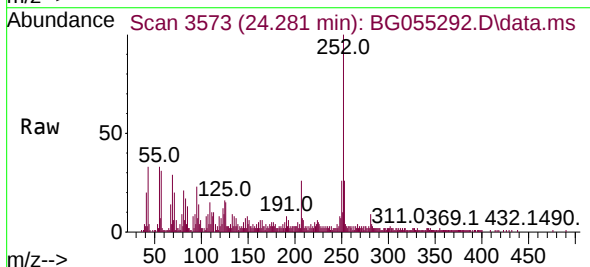
Manual Integrations
APPROVED

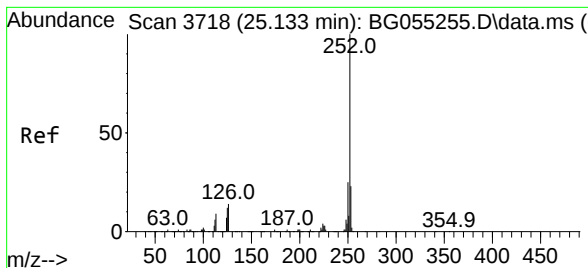
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022



#89
Benzo(k)fluoranthene
Concen: 4.485 ng m
RT: 24.281 min Scan# 3573
Delta R.T. 0.000 min
Lab File: BG055292.D
Acq: 26 Oct 2022 2:20

Tgt Ion:252 Resp: 70236
Ion Ratio Lower Upper
252 100
253 26.4 18.6 27.8
125 15.8 9.1 13.7





#90

Benzo(a)pyrene

Concen: 7.704 ng

RT: 25.145 min Scan# 31

Delta R.T. 0.012 min

Lab File: BG055292.D

Acq: 26 Oct 2022 2:20

Instrument :

BNA_G

ClientSampleId :

HOLLAND-RD-COMP-4

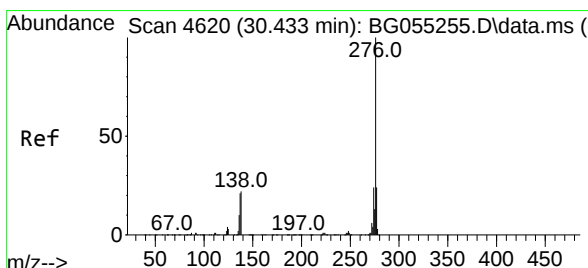
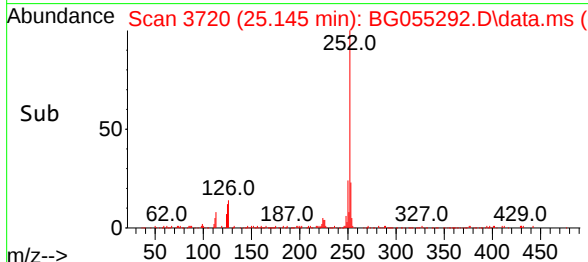
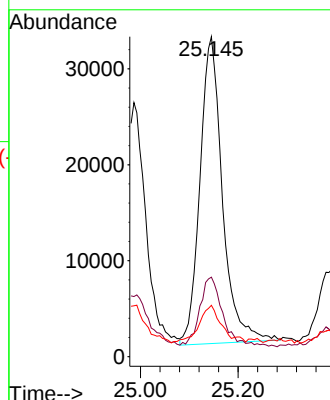
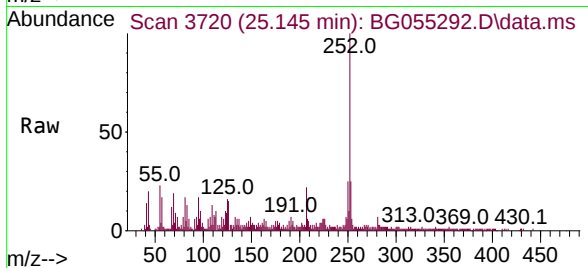
Tgt Ion:	252	Resp:	10244
Ion Ratio	Lower	Upper	
252	100		
253	24.8	18.2	27.2
125	16.0	9.8	14.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/26/2022

Supervised By :Jagrut Upadhyay 10/27/2022



#92

Benzo(g,h,i)perylene

Concen: 2.924 ng

RT: 30.451 min Scan# 4623

Delta R.T. 0.018 min

Lab File: BG055292.D

Acq: 26 Oct 2022 2:20

Tgt Ion:	276	Resp:	45327
Ion Ratio	Lower	Upper	
276	100		
277	28.4	19.1	28.7
138	22.8	17.2	25.8

