

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102522\
 Data File : BG055290.D
 Acq On : 26 Oct 2022 00:56
 Operator : CG/JU
 Sample : N5257-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HOLLAND-RD-COMP-2

Manual Integrations
 APPROVED

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

Quant Time: Oct 26 14:48:46 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	8.276	152	53884	20.000	ng	0.00
21) Naphthalene-d8	11.103	136	230073	20.000	ng	0.00
39) Acenaphthene-d10	14.886	164	142529	20.000	ng	0.00
64) Phenanthrene-d10	17.618	188	274993	20.000	ng	0.00
76) Chrysene-d12	21.896	240	241146	20.000	ng	0.00
86) Perylene-d12	25.304	264	250465	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.797	112	293582	95.400	ng	0.00
7) Phenol-d6	7.419	99	397302	89.113	ng	0.00
23) Nitrobenzene-d5	9.446	82	260854	57.895	ng	0.00
42) 2,4,6-Tribromophenol	16.367	330	135731	87.602	ng	0.00
45) 2-Fluorobiphenyl	13.511	172	515649	59.215	ng	0.00
79) Terphenyl-d14	20.192	244	632690	54.512	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.660	178	139507	9.513	ng	100
75) Fluoranthene	19.651	202	307395	17.988	ng	99
78) Pyrene	20.010	202	306806	18.562	ng	97
81) Benzo(a)anthracene	21.878	228	154250	9.525	ng	98
83) Chrysene	21.949	228	159906	10.396	ng	98
87) Indeno(1,2,3-cd)pyrene	29.217	276	71614	3.871	ng	# 82
88) Benzo(b)fluoranthene	24.217	252	186165	12.357	ng	# 92
89) Benzo(k)fluoranthene	24.275	252	75725m	4.978	ng	
90) Benzo(a)pyrene	25.139	252	137212	10.620	ng	99
92) Benzo(g,h,i)perylene	30.456	276	59105	3.925	ng	97

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

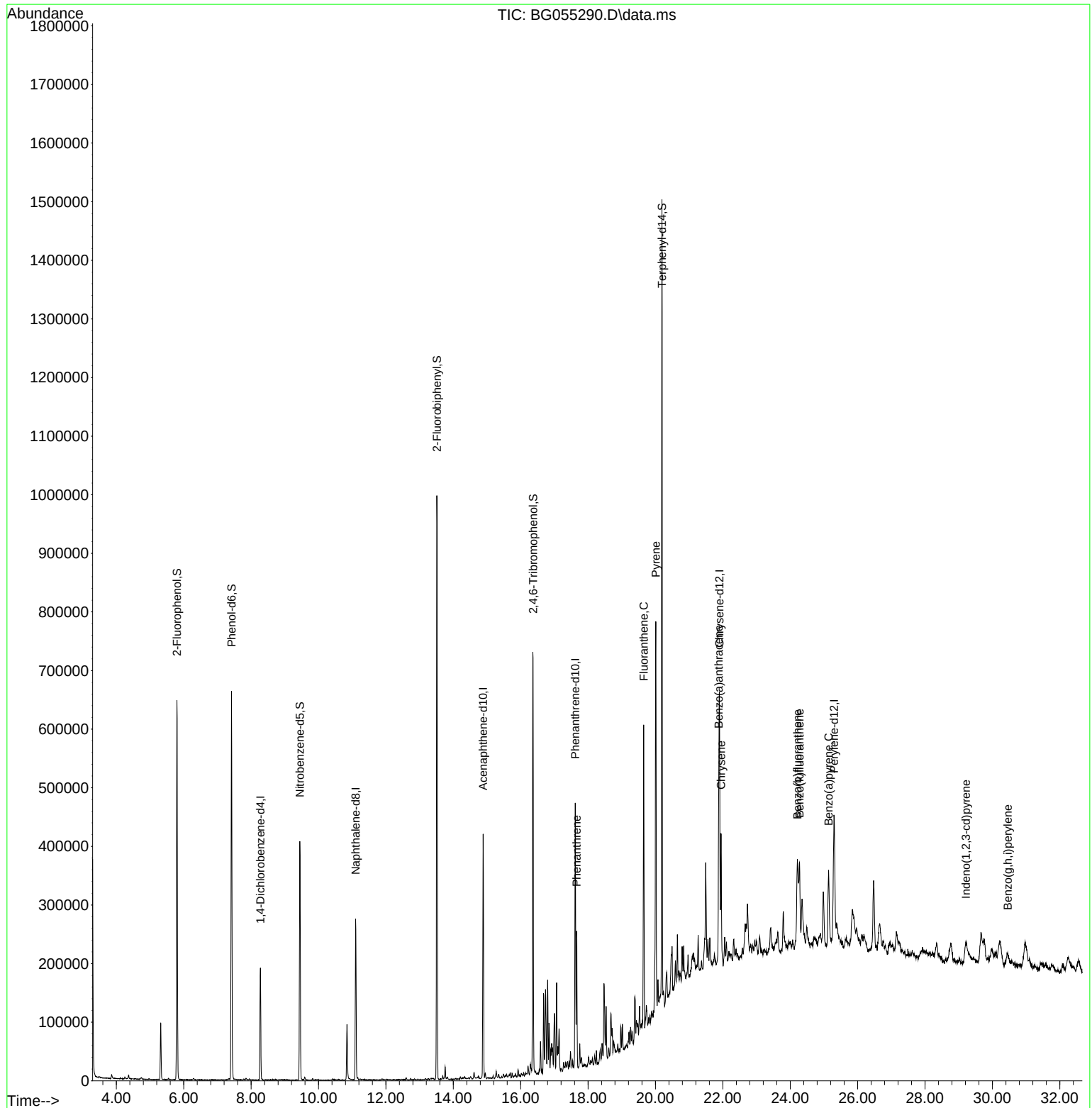
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102522\
Data File : BG055290.D
Acq On : 26 Oct 2022 00:56
Operator : CG/JU
Sample : N5257-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

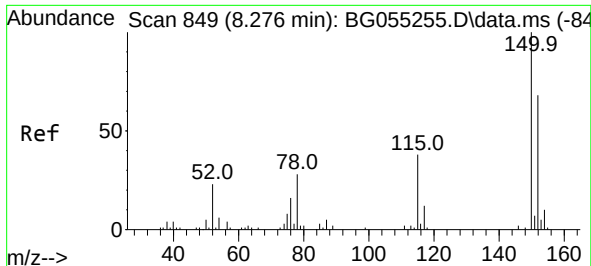
Instrument :
BNA_G
ClientSampleId :
HOLLAND-RD-COMP-2

Quant Time: Oct 26 14:48:46 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
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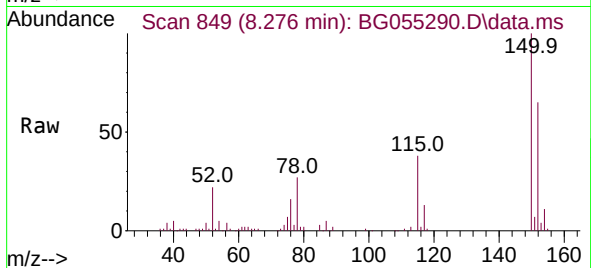
Reviewed By : Christian Giraldo 10/26/2022
Supervised By : Jagrut Upadhyay 10/27/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.276 min Scan# 849
Delta R.T. 0.000 min
Lab File: BG055290.D
Acq: 26 Oct 2022 00:56

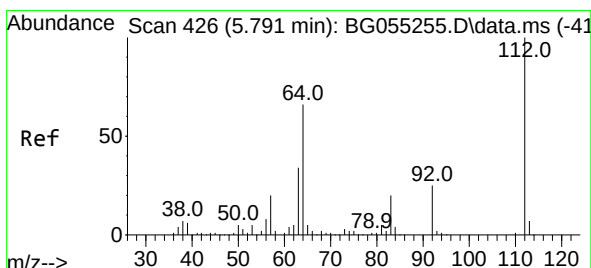
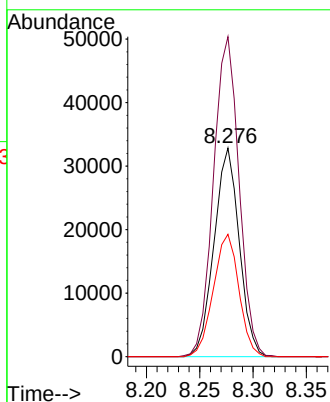
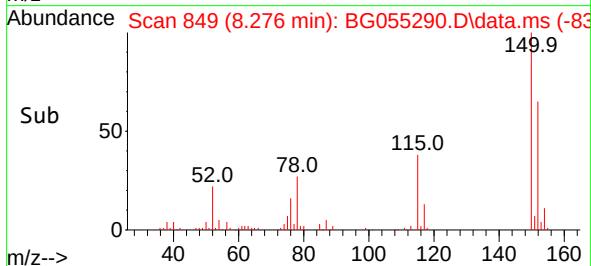
Instrument :
BNA_G
ClientSampleId :
HOLLAND-RD-COMP-2



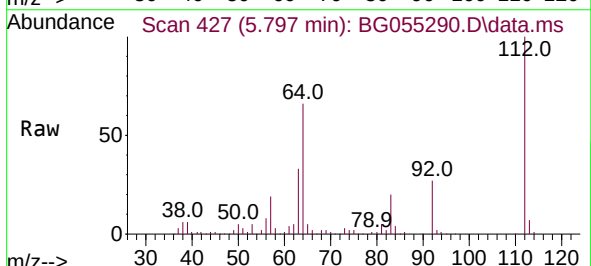
Tgt Ion:152 Resp: 53884
Ion Ratio Lower Upper
152 100
150 153.4 118.2 177.4
115 58.7 44.5 66.7

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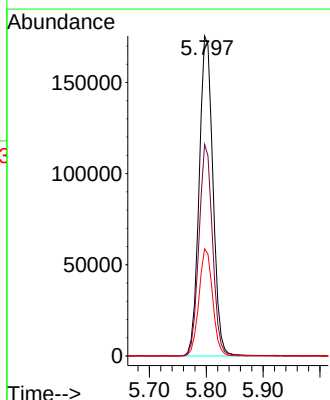
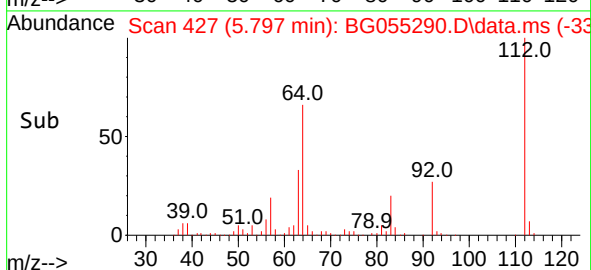
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022

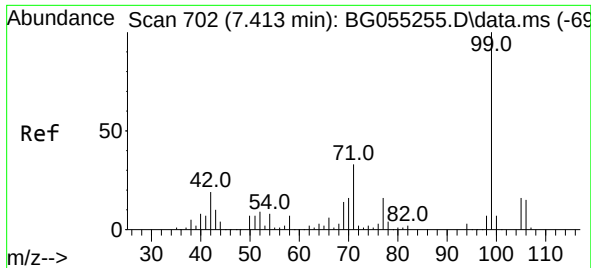


#5
2-Fluorophenol
Concen: 95.400 ng
RT: 5.797 min Scan# 427
Delta R.T. 0.006 min
Lab File: BG055290.D
Acq: 26 Oct 2022 00:56



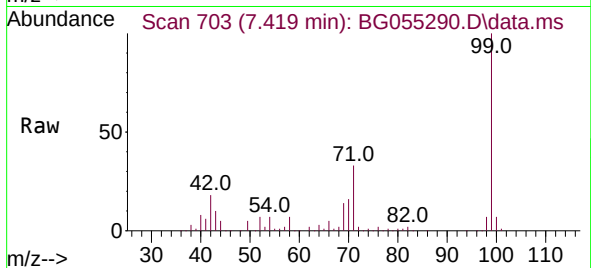
Tgt Ion:112 Resp: 293582
Ion Ratio Lower Upper
112 100
64 66.1 52.6 78.8
63 33.5 27.1 40.7





#7
Phenol-d6
Concen: 89.113 ng
RT: 7.419 min Scan# 702
Delta R.T. 0.006 min
Lab File: BG055290.D
Acq: 26 Oct 2022 00:56

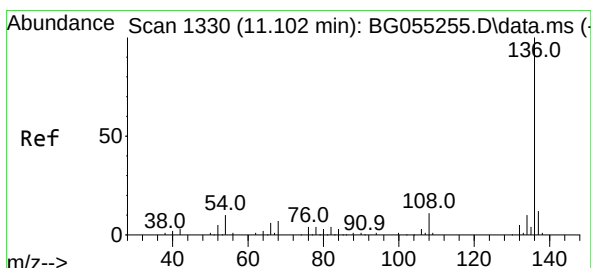
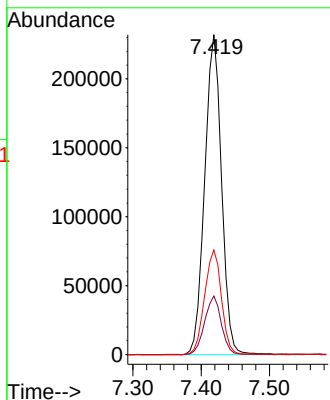
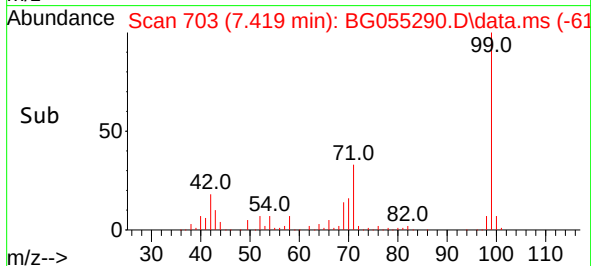
Instrument :
BNA_G
ClientSampleId :
HOLLAND-RD-COMP-2



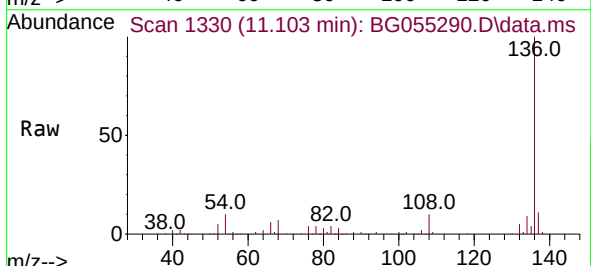
Tgt Ion: 99 Resp: 397302
Ion Ratio Lower Upper
99 100
42 18.3 15.2 22.8
71 32.7 26.2 39.4

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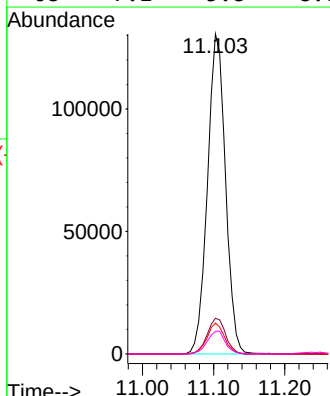
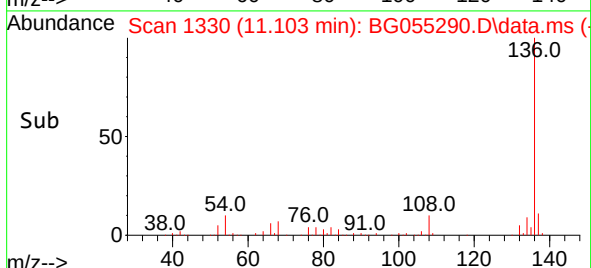
Reviewed By :Christian Giraldo 10/26/2022
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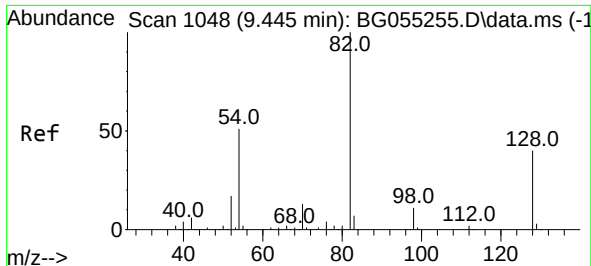


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.103 min Scan# 1330
Delta R.T. 0.001 min
Lab File: BG055290.D
Acq: 26 Oct 2022 00:56



Tgt Ion:136 Resp: 230073
Ion Ratio Lower Upper
136 100
137 11.1 9.2 13.8
54 9.6 7.8 11.8
68 7.1 5.8 8.6





#23

Nitrobenzene-d5

Concen: 57.895 ng

RT: 9.446 min Scan# 1048

Delta R.T. 0.000 min

Lab File: BG055290.D

Acq: 26 Oct 2022 00:56

Instrument :

BNA_G

ClientSampleId :

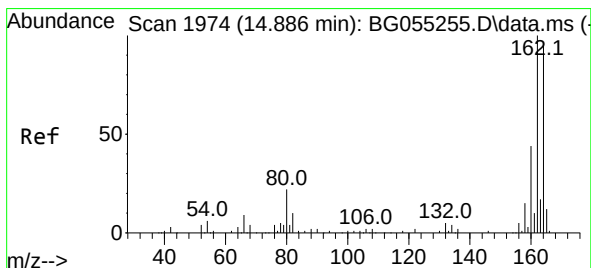
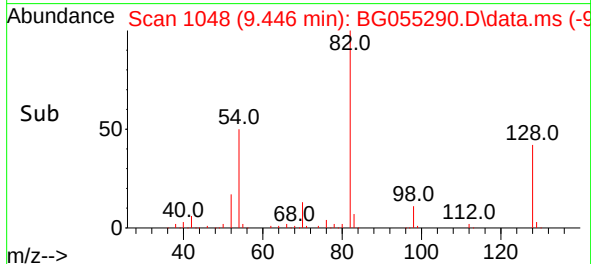
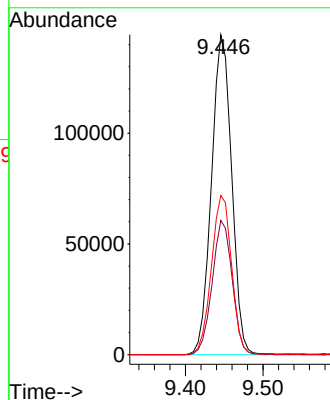
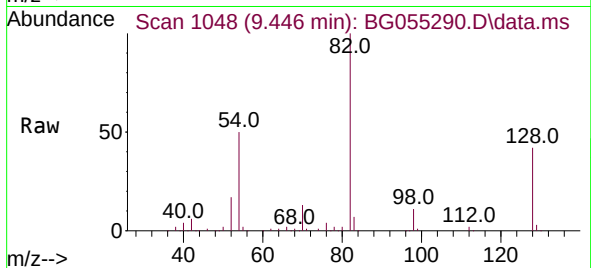
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Tgt Ion: 82 Resp: 260854
 Ion Ratio Lower Upper
 82 100
 128 41.9 32.0 48.0
 54 49.7 40.9 61.3

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 Supervised By :Jagrut Upadhyay 10/27/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

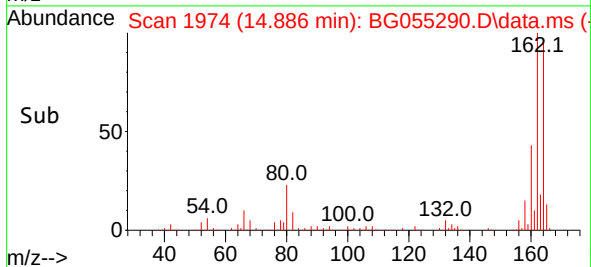
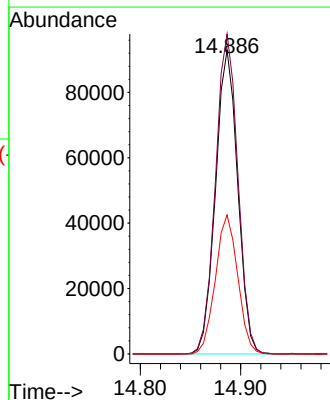
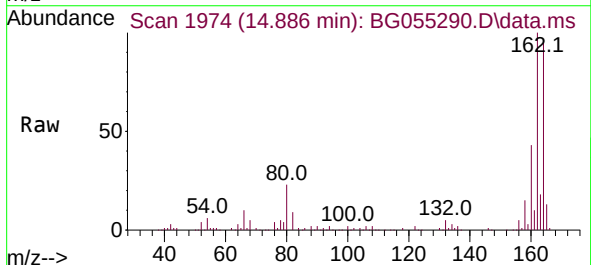
RT: 14.886 min Scan# 1974

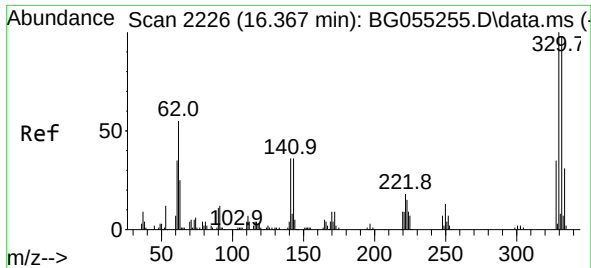
Delta R.T. 0.000 min

Lab File: BG055290.D

Acq: 26 Oct 2022 00:56

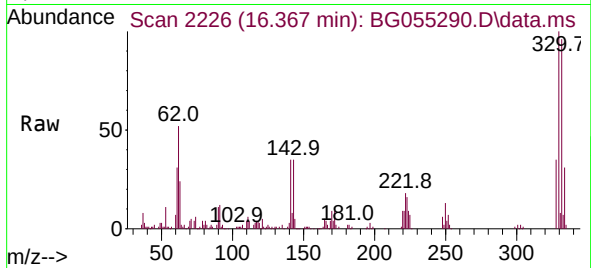
Tgt Ion:164 Resp: 142529
 Ion Ratio Lower Upper
 164 100
 162 105.3 84.0 126.0
 160 45.7 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 87.602 ng
RT: 16.367 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG055290.D
Acq: 26 Oct 2022 00:56

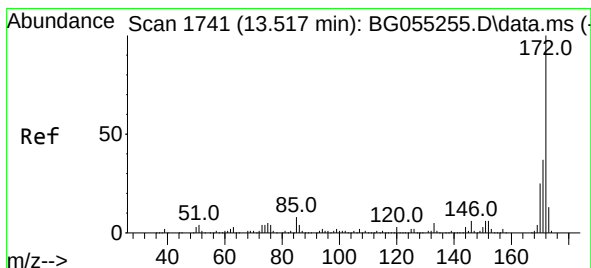
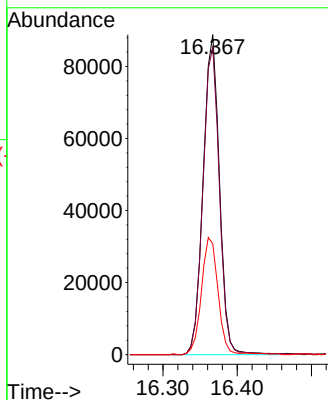
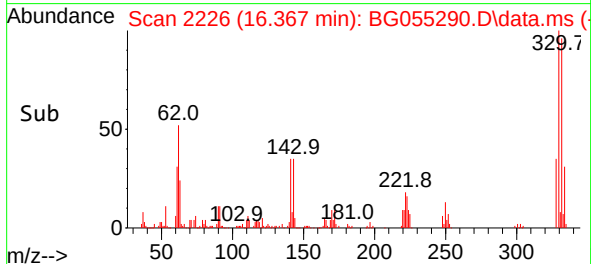
Instrument :
BNA_G
ClientSampleId :
HOLLAND-RD-COMP-2



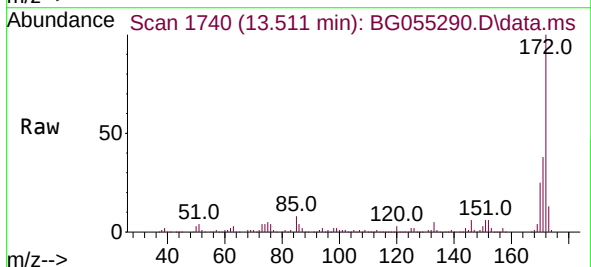
Tgt Ion:330 Resp: 135731
Ion Ratio Lower Upper
330 100
332 96.6 77.4 116.0
141 37.5 29.8 44.8

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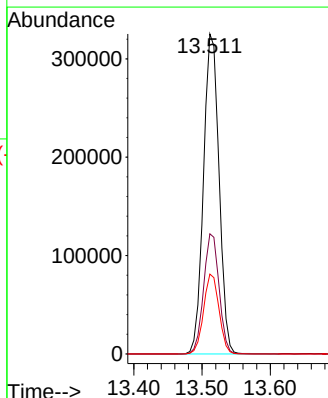
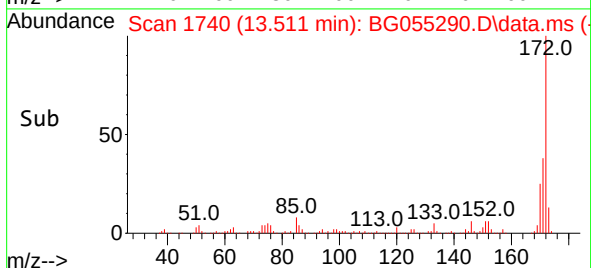
Reviewed By :Christian Giraldo 10/26/2022
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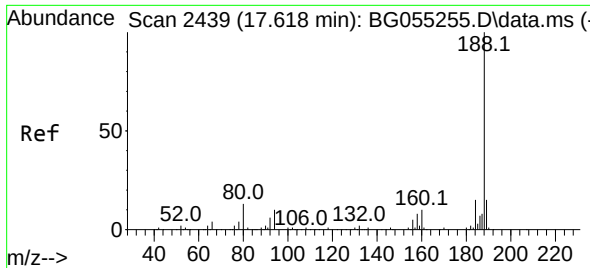


#45
2-Fluorobiphenyl
Concen: 59.215 ng
RT: 13.511 min Scan# 1740
Delta R.T. -0.006 min
Lab File: BG055290.D
Acq: 26 Oct 2022 00:56



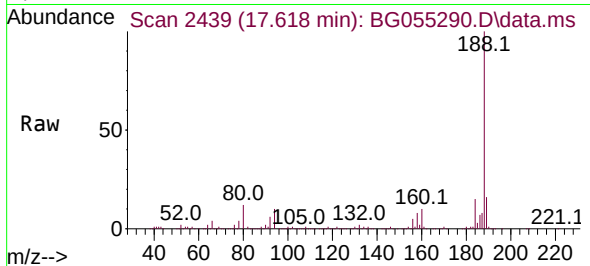
Tgt Ion:172 Resp: 515649
Ion Ratio Lower Upper
172 100
171 37.5 29.7 44.5
170 24.9 20.2 30.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.618 min Scan# 2439
Delta R.T. 0.000 min
Lab File: BG055290.D
Acq: 26 Oct 2022 00:56

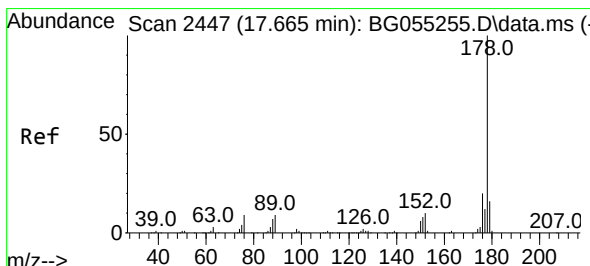
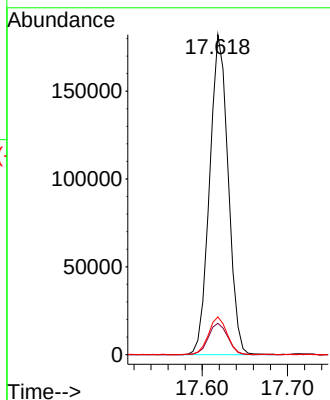
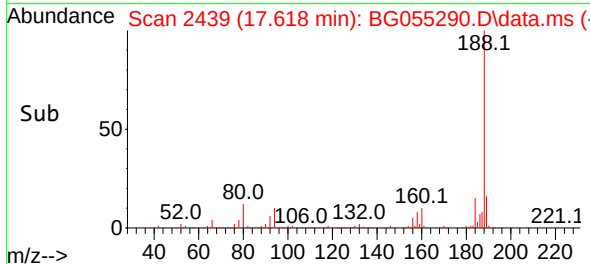
Instrument :
BNA_G
ClientSampleId :
HOLLAND-RD-COMP-2



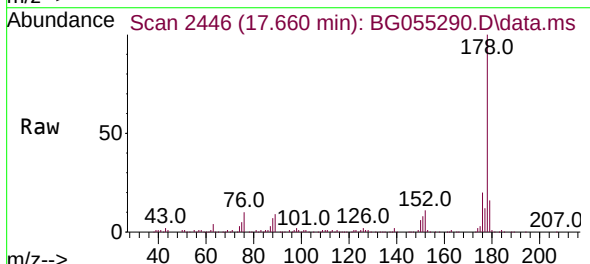
Tgt Ion:188 Resp: 274993
Ion Ratio Lower Upper
188 100
94 9.8 8.2 12.4
80 11.8 10.1 15.1

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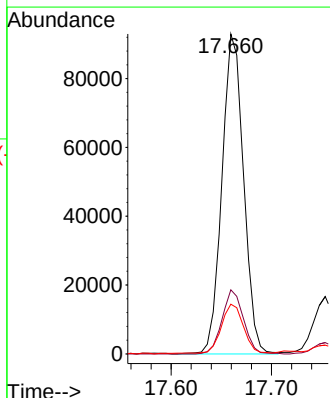
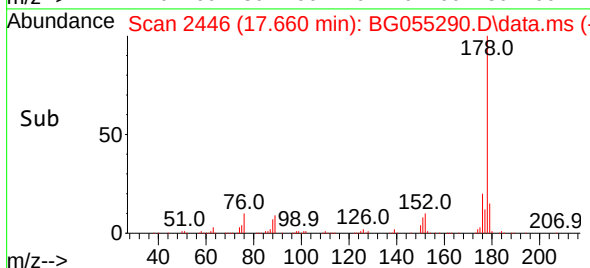
Reviewed By :Christian Giraldo 10/26/2022
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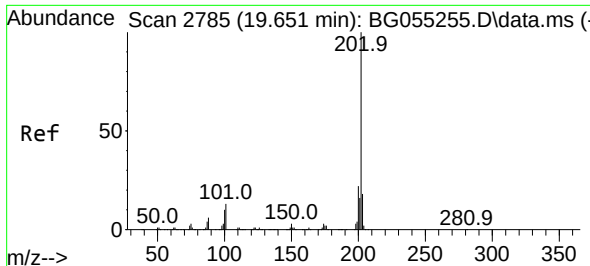


#71
Phenanthrene
Concen: 9.513 ng
RT: 17.660 min Scan# 2446
Delta R.T. -0.006 min
Lab File: BG055290.D
Acq: 26 Oct 2022 00:56



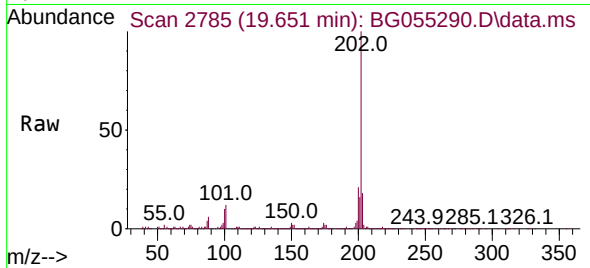
Tgt Ion:178 Resp: 139507
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 15.5 12.6 19.0





#75
Fluoranthene
Concen: 17.988 ng
RT: 19.651 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG055290.D
Acq: 26 Oct 2022 00:56

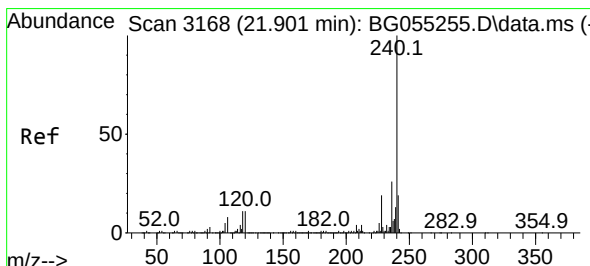
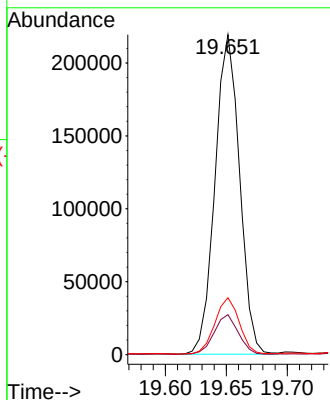
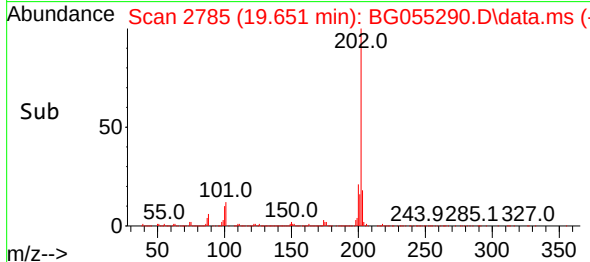
Instrument :
BNA_G
ClientSampleId :
HOLLAND-RD-COMP-2



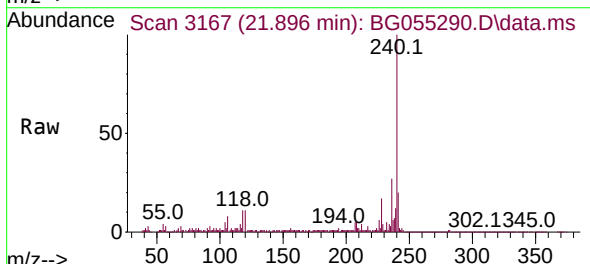
Tgt Ion:202 Resp: 307395
Ion Ratio Lower Upper
202 100
101 12.5 0.0 32.6
203 17.8 0.0 38.3

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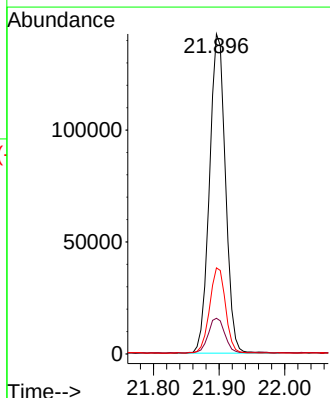
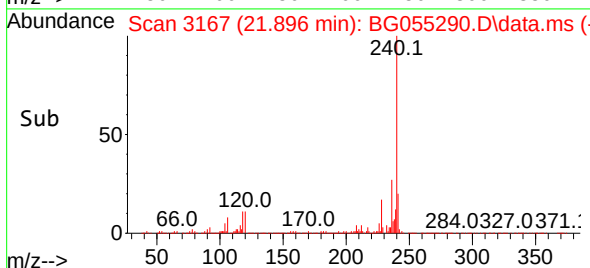
Reviewed By :Christian Giraldo 10/26/2022
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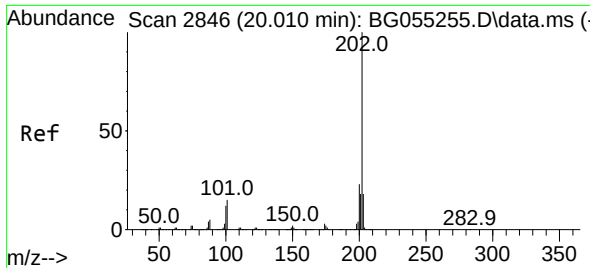


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.896 min Scan# 3167
Delta R.T. -0.006 min
Lab File: BG055290.D
Acq: 26 Oct 2022 00:56



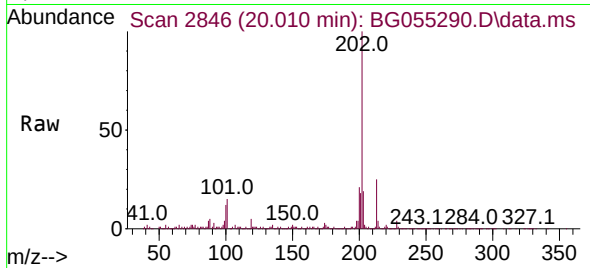
Tgt Ion:240 Resp: 241146
Ion Ratio Lower Upper
240 100
120 11.1 8.9 13.3
236 26.9 21.0 31.4





#78
 Pyrene
 Concen: 18.562 ng
 RT: 20.010 min Scan# 2846
 Delta R.T. -0.000 min
 Lab File: BG055290.D
 Acq: 26 Oct 2022 00:56

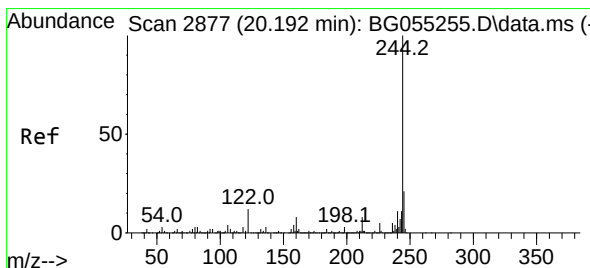
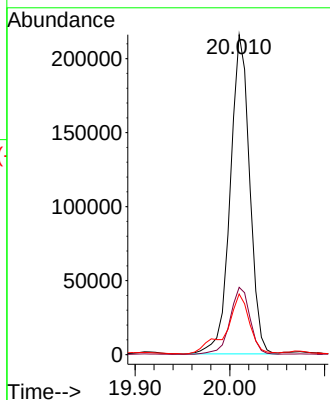
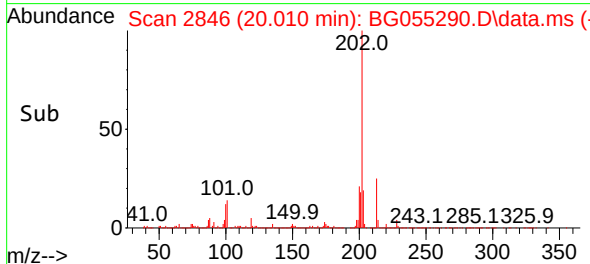
Instrument :
 BNA_G
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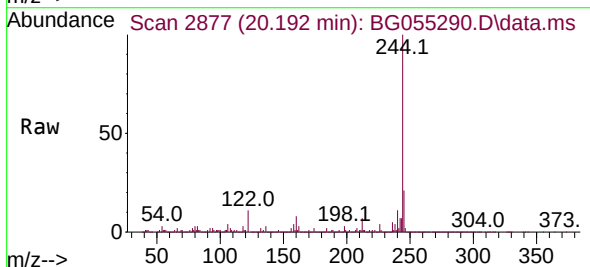
Tgt Ion:202 Resp: 306800
 Ion Ratio Lower Upper
 202 100
 200 21.0 18.0 27.0
 203 18.9 14.3 21.5

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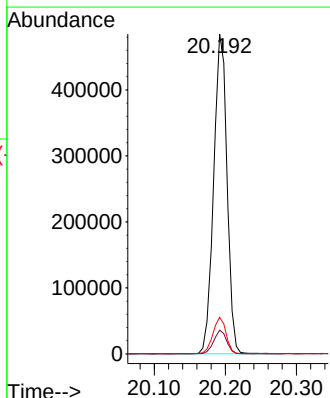
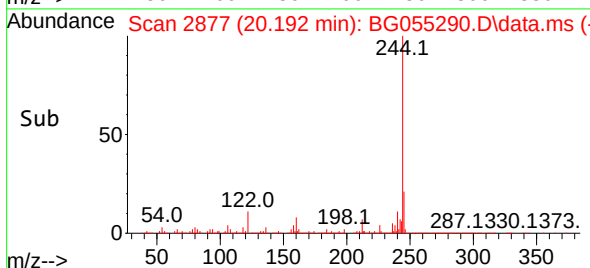
Reviewed By :Christian Giraldo 10/26/2022
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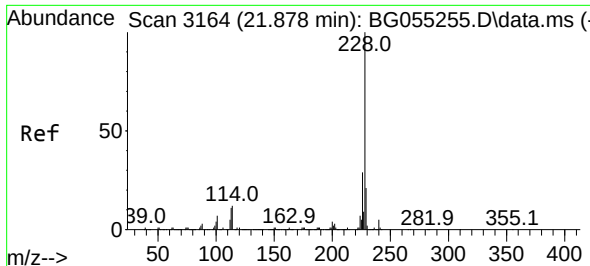


#79
 Terphenyl-d14
 Concen: 54.512 ng
 RT: 20.192 min Scan# 2877
 Delta R.T. 0.000 min
 Lab File: BG055290.D
 Acq: 26 Oct 2022 00:56



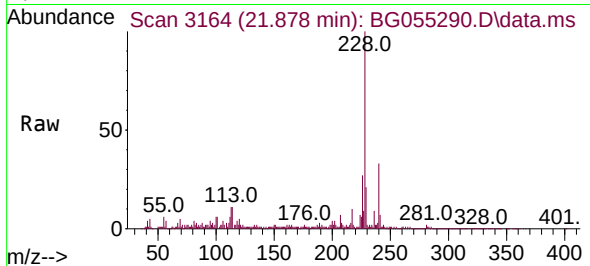
Tgt Ion:244 Resp: 632690
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.0 9.0
 122 11.4 9.6 14.4





#81
Benzo(a)anthracene
Concen: 9.525 ng
RT: 21.878 min Scan# 3164
Delta R.T. 0.000 min
Lab File: BG055290.D
Acq: 26 Oct 2022 00:56

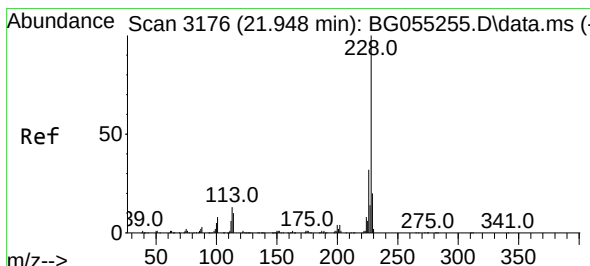
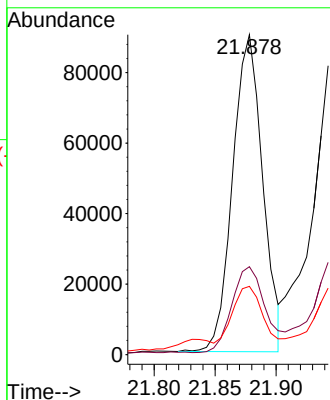
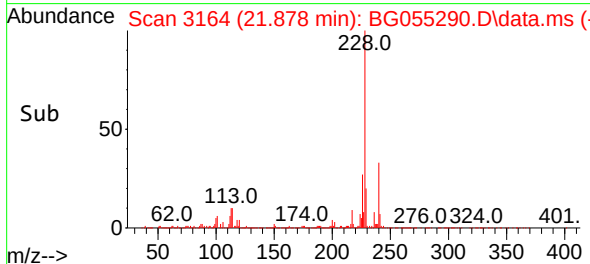
Instrument :
BNA_G
ClientSampleId :
HOLLAND-RD-COMP-2



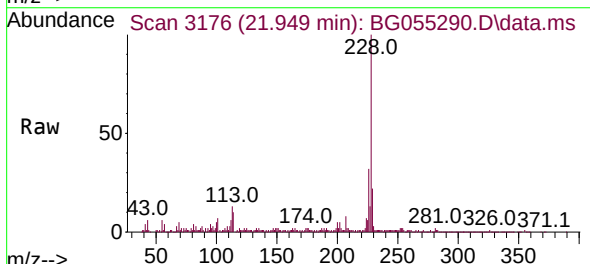
Tgt Ion:228 Resp: 154250
Ion Ratio Lower Upper
228 100
226 27.5 22.9 34.3
229 21.3 16.7 25.1

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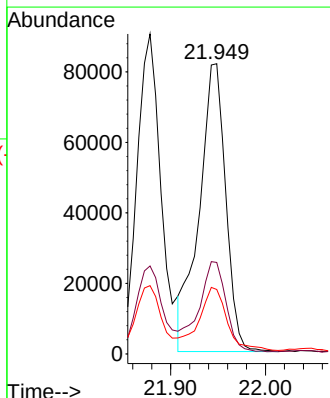
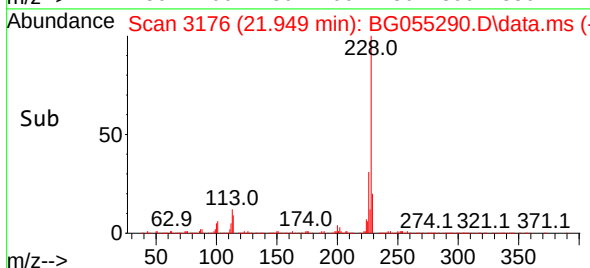
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022

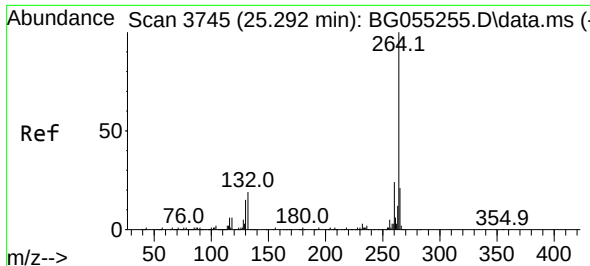


#83
Chrysene
Concen: 10.396 ng
RT: 21.949 min Scan# 3176
Delta R.T. 0.000 min
Lab File: BG055290.D
Acq: 26 Oct 2022 00:56



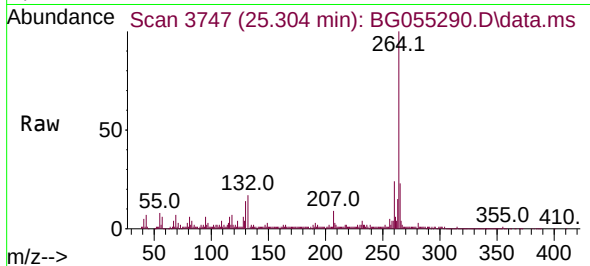
Tgt Ion:228 Resp: 159906
Ion Ratio Lower Upper
228 100
226 31.5 25.8 38.8
229 22.2 16.3 24.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.304 min Scan# 31
Delta R.T. 0.012 min
Lab File: BG055290.D
Acq: 26 Oct 2022 00:56

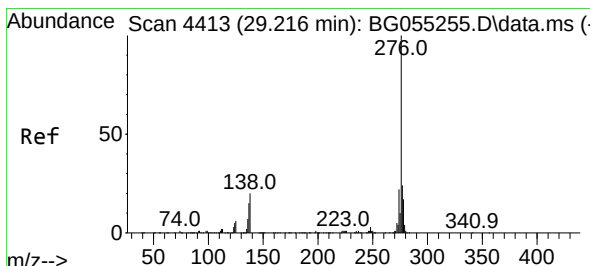
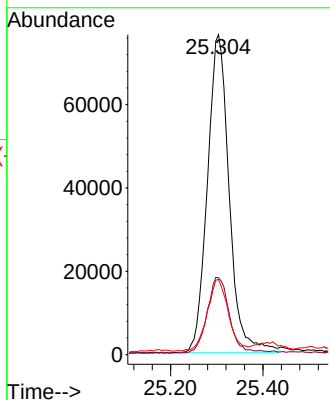
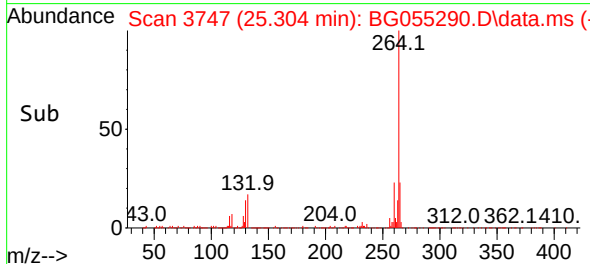
Instrument :
BNA_G
ClientSampleId :
HOLLAND-RD-COMP-2



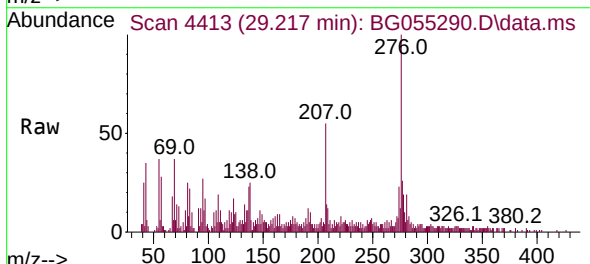
Tgt Ion:264 Resp: 250465
Ion Ratio Lower Upper
264 100
260 24.0 19.5 29.3
265 23.5 17.4 26.2

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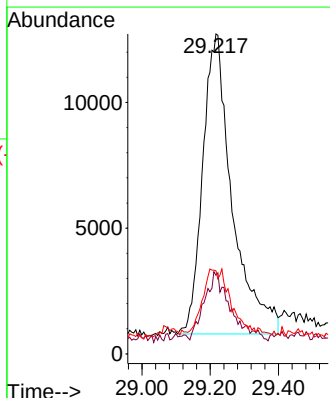
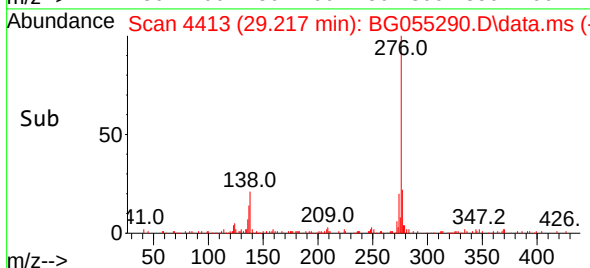
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022

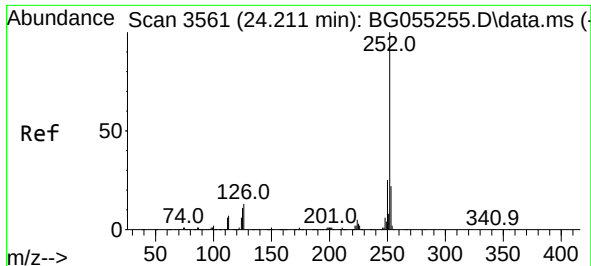


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.871 ng
RT: 29.217 min Scan# 4413
Delta R.T. 0.000 min
Lab File: BG055290.D
Acq: 26 Oct 2022 00:56



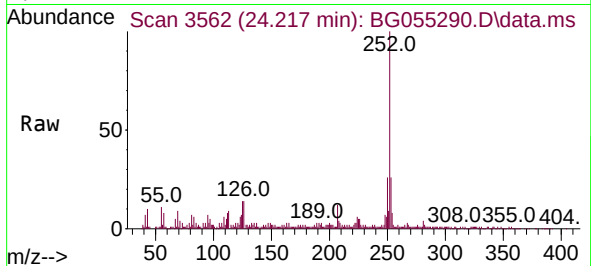
Tgt Ion:276 Resp: 71614
Ion Ratio Lower Upper
276 100
138 18.4 13.9 20.9
277 10.6 20.3 30.5#





#88
Benzo(b)fluoranthene
Concen: 12.357 ng
RT: 24.217 min Scan# 3561
Delta R.T. 0.006 min
Lab File: BG055290.D
Acq: 26 Oct 2022 00:56

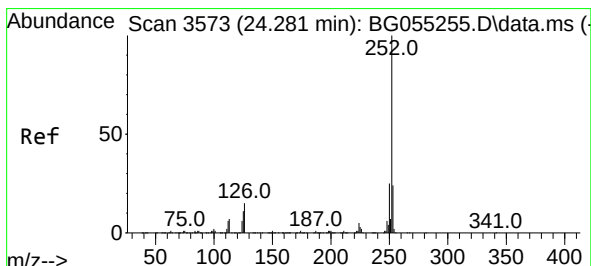
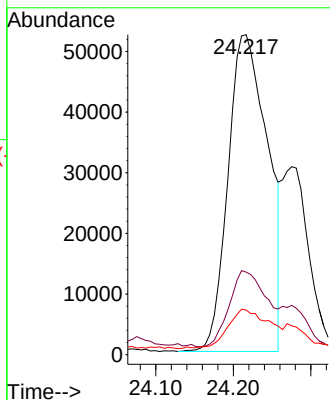
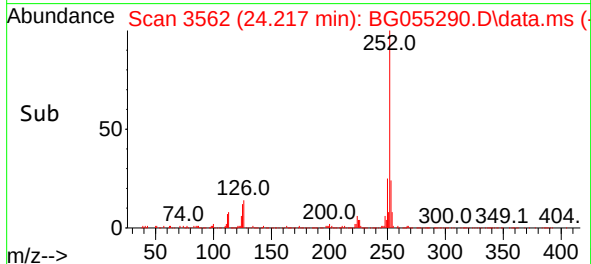
Instrument :
BNA_G
ClientSampleId :
HOLLAND-RD-COMP-2



Tgt Ion:252 Resp: 186165
Ion Ratio Lower Upper
252 100
253 25.8 17.6 26.4
125 13.9 9.0 13.4

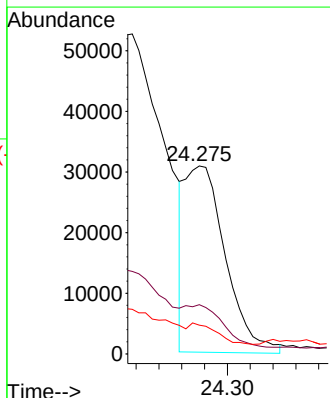
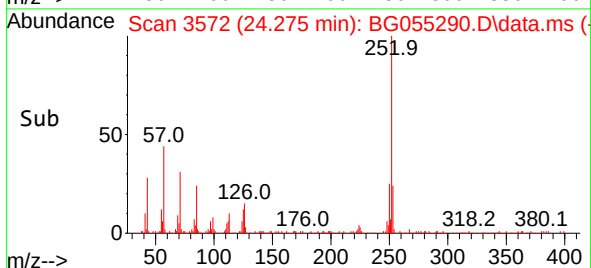
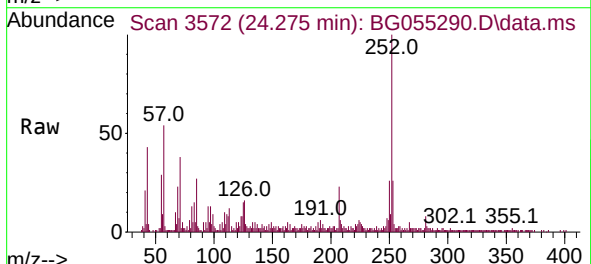
Manual Integrations
APPROVED

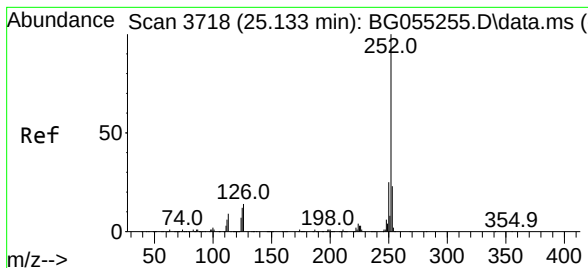
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022



#89
Benzo(k)fluoranthene
Concen: 4.978 ng m
RT: 24.275 min Scan# 3572
Delta R.T. -0.006 min
Lab File: BG055290.D
Acq: 26 Oct 2022 00:56

Tgt Ion:252 Resp: 75725
Ion Ratio Lower Upper
252 100
253 26.2 18.6 27.8
125 15.3 9.1 13.7





#90

Benzo(a)pyrene

Concen: 10.620 ng

RT: 25.139 min Scan# 3718

Delta R.T. 0.006 min

Lab File: BG055290.D

Acq: 26 Oct 2022 00:56

Instrument :

BNA_G

ClientSampleId :

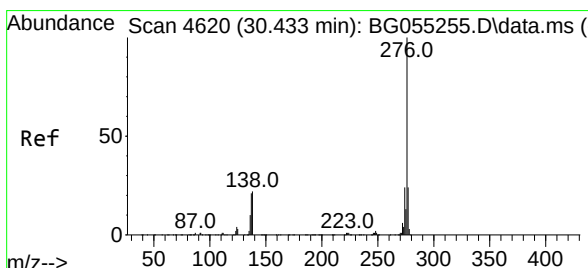
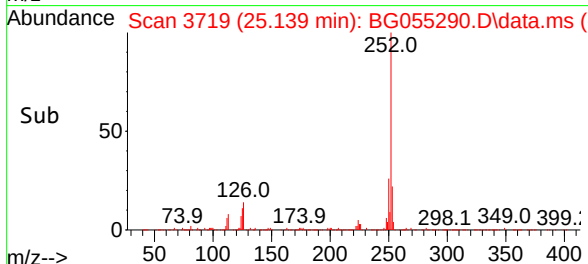
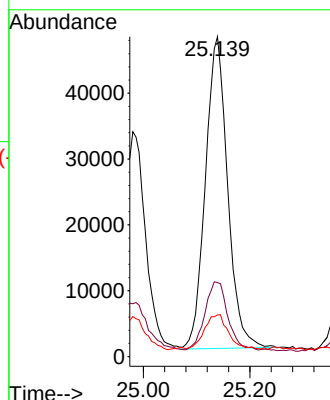
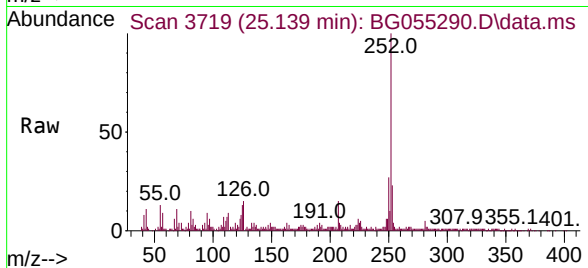
HOLLAND-RD-COMP-2

Tgt Ion:252 Resp: 137212
 Ion Ratio Lower Upper
 252 100
 253 23.1 18.2 27.2
 125 13.0 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: 3.925 ng

RT: 30.456 min Scan# 4624

Delta R.T. 0.024 min

Lab File: BG055290.D

Acq: 26 Oct 2022 00:56

Tgt Ion:276 Resp: 59105
 Ion Ratio Lower Upper
 276 100
 277 24.9 19.1 28.7
 138 23.0 17.2 25.8

