

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041322\
 Data File : BG053146.D
 Acq On : 13 Apr 2022 20:02
 Operator : CG/JU
 Sample : N2381-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 26572

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/14/2022
 Supervised By : Jagrut Upadhyay 04/14/2022

Quant Time: Apr 14 02:58:00 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 08 15:31:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.122	152	43967	20.000	ng	0.00
21) Naphthalene-d8	10.930	136	173983	20.000	ng	0.00
39) Acenaphthene-d10	14.748	164	99154	20.000	ng	0.00
64) Phenanthrene-d10	17.497	188	186483	20.000	ng	# 0.00
76) Chrysene-d12	21.786	240	201459	20.000	ng	0.01
86) Perylene-d12	25.093	264	223724	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.684	112	55331	21.572	ng	0.00
7) Phenol-d6	7.276	99	85922	21.723	ng	0.00
23) Nitrobenzene-d5	9.279	82	63324	14.778	ng	0.00
42) 2,4,6-Tribromophenol	16.234	330	31706	20.099	ng	0.00
45) 2-Fluorobiphenyl	13.368	172	126198	17.550	ng	0.00
79) Terphenyl-d14	20.100	244	180977	15.172	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.472	152	52268	5.861	ng	# 73
71) Phenanthrene	17.539	178	68773	6.752	ng	# 77
72) Anthracene	17.633	178	59604	5.907	ng	# 78
73) Carbazole	17.897	167	27873	2.841	ng	# 39
75) Fluoranthene	19.553	202	1203288	92.158	ng	96
78) Pyrene	19.918	202	1589573	110.788	ng	96
81) Benzo(a)anthracene	21.768	228	1141800	82.893	ng	95
83) Chrysene	21.833	228	1133846	88.696	ng	94
84) Bis(2-ethylhexyl)phtha...	21.651	149	18661	2.581	ng	# 89
87) Indeno(1,2,3-cd)pyrene	28.876	276	588142	35.384	ng	100
88) Benzo(b)fluoranthene	24.059	252	1918871	135.939	ng	96
89) Benzo(k)fluoranthene	24.112	252	675076m	48.661	ng	
90) Benzo(a)pyrene	24.946	252	1022381	85.019	ng	99
91) Dibenzo(a,h)anthracene	28.911	278	158024	11.551	ng	98
92) Benzo(g,h,i)perylene	30.051	276	465326	34.510	ng	95

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

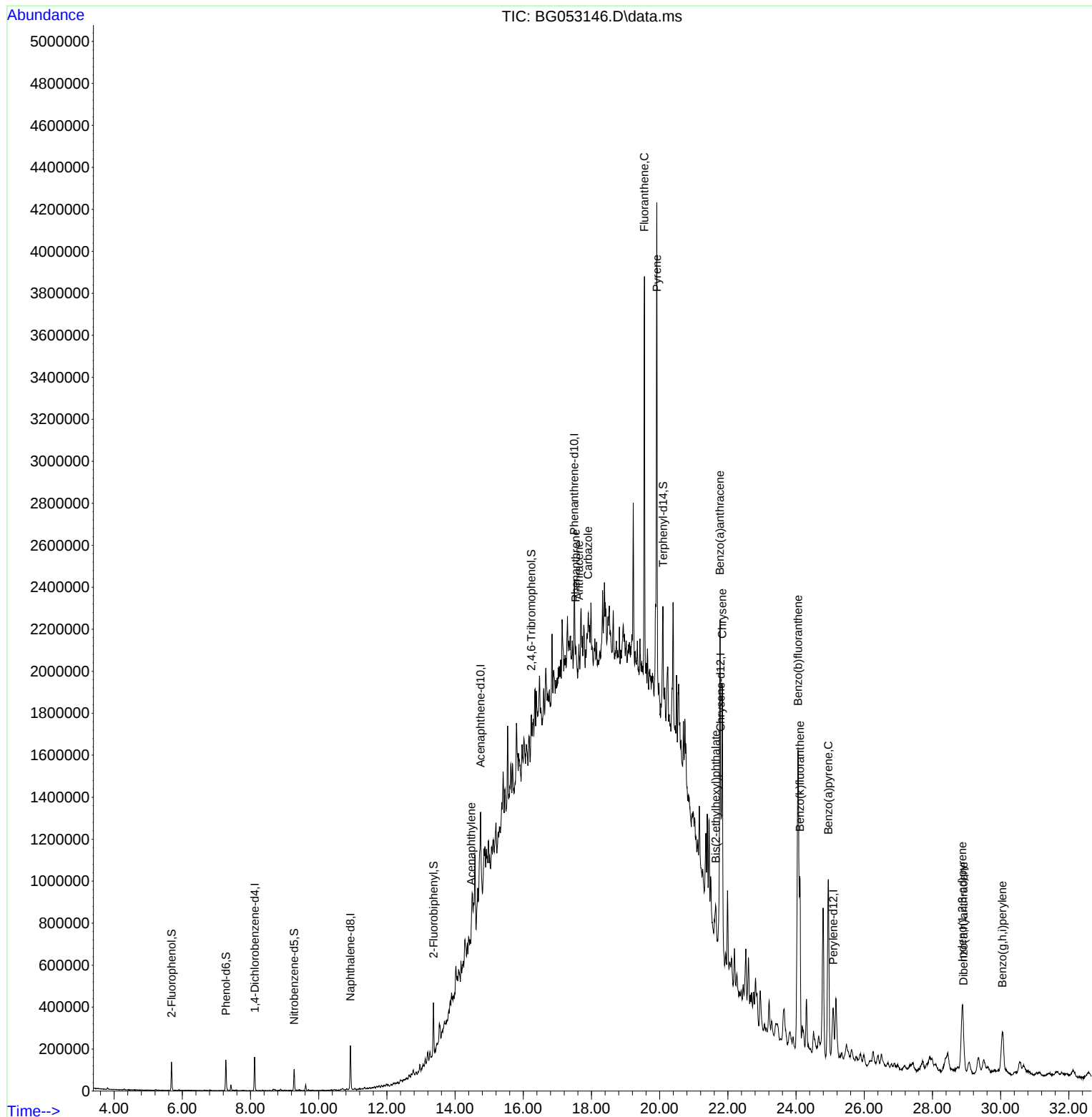
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041322\
Data File : BG053146.D
Acq On : 13 Apr 2022 20:02
Operator : CG/JU
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Misc :
ALS Vial : 17 Sample Multiplier: 1

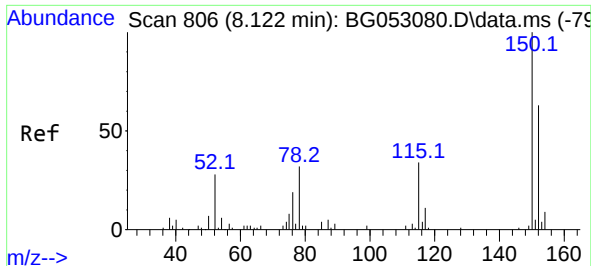
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26572

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 08 15:31:24 2022
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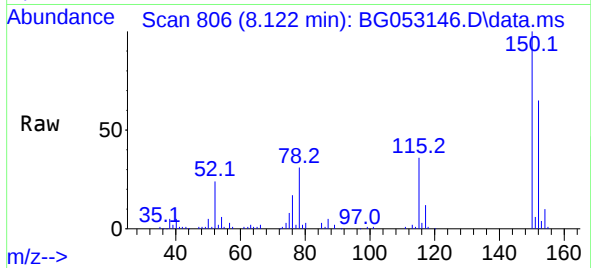
Reviewed By : Christian Giraldo 04/14/2022
Supervised By : Jagrut Upadhyay 04/14/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.122 min Scan# 806
Delta R.T. -0.000 min
Lab File: BG053146.D
Acq: 13 Apr 2022 20:02

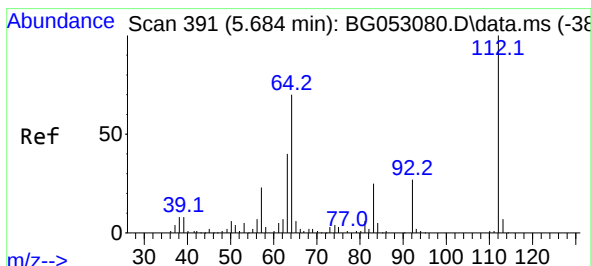
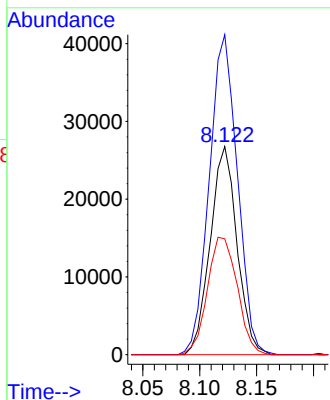
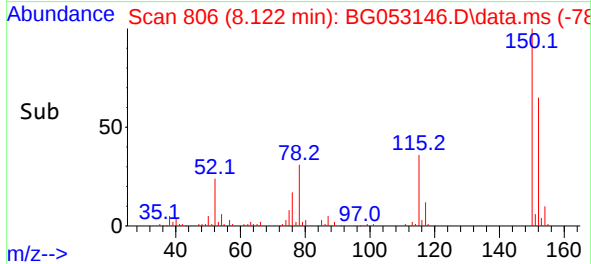
Instrument :
BNA_G
ClientSampleId :
26572



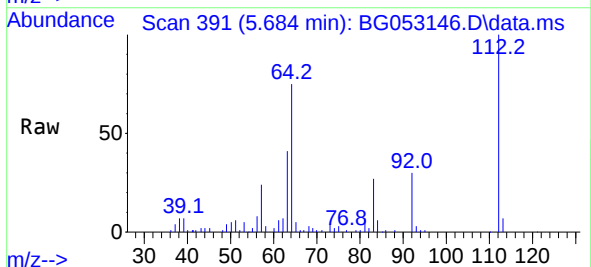
Tgt Ion:152 Resp: 4396
Ion Ratio Lower Upper
152 100
150 153.7 114.6 172.0
115 55.7 45.9 68.9

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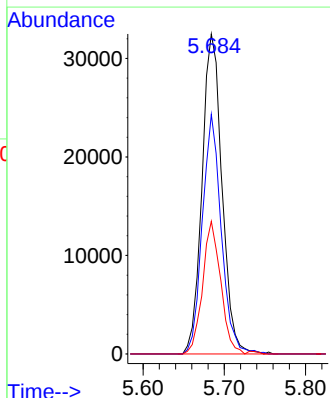
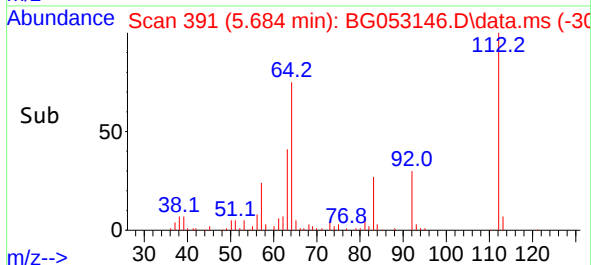
Reviewed By :Christian Giraldo 04/14/2022
Supervised By :Jagrut Upadhyay 04/14/2022

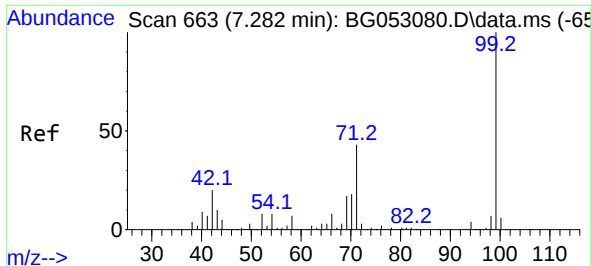


#5
2-Fluorophenol
Concen: 21.572 ng
RT: 5.684 min Scan# 391
Delta R.T. 0.000 min
Lab File: BG053146.D
Acq: 13 Apr 2022 20:02



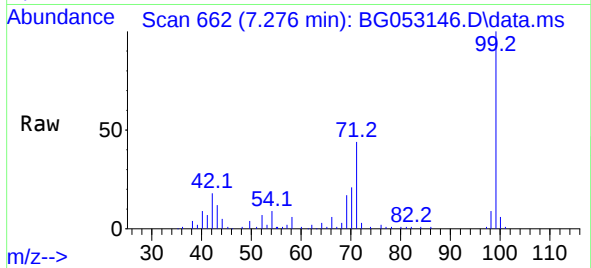
Tgt Ion:112 Resp: 55331
Ion Ratio Lower Upper
112 100
64 74.9 48.0 72.0#
63 41.4 26.5 39.7#





#7
Phenol-d6
Concen: 21.723 ng
RT: 7.276 min Scan# 60
Delta R.T. -0.006 min
Lab File: BG053146.D
Acq: 13 Apr 2022 20:02

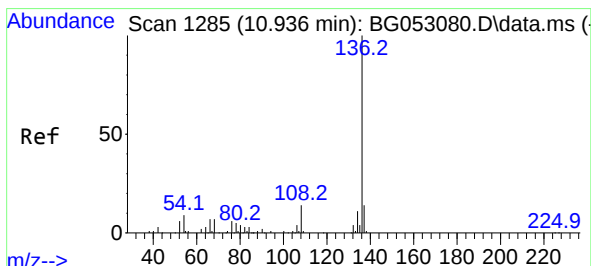
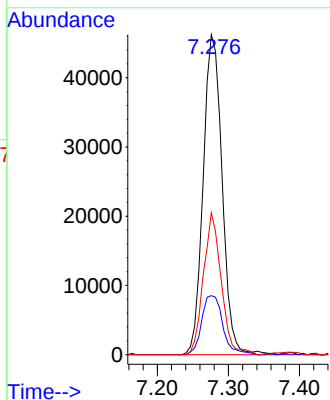
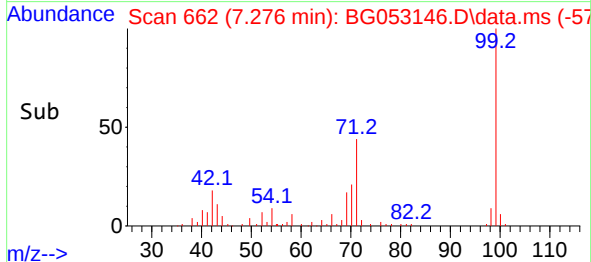
Instrument :
BNA_G
ClientSampleId :
26572



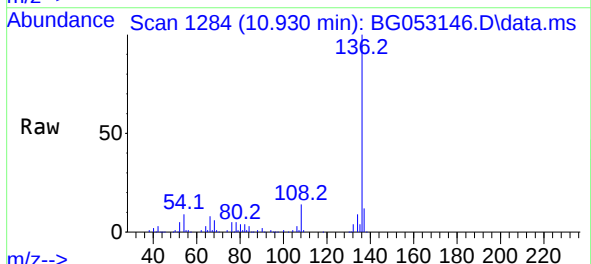
Tgt Ion: 99 Resp: 8592
Ion Ratio Lower Upper
99 100
42 18.5 14.7 22.1
71 44.4 29.2 43.8

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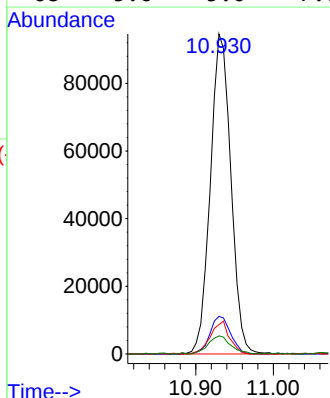
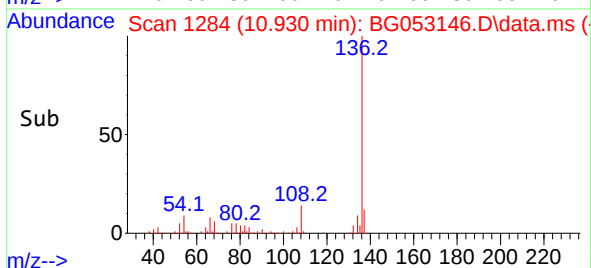
Reviewed By :Christian Giraldo 04/14/2022
Supervised By :Jagrut Upadhyay 04/14/2022

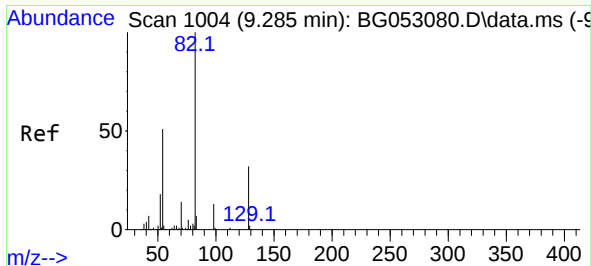


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.930 min Scan# 1284
Delta R.T. -0.006 min
Lab File: BG053146.D
Acq: 13 Apr 2022 20:02



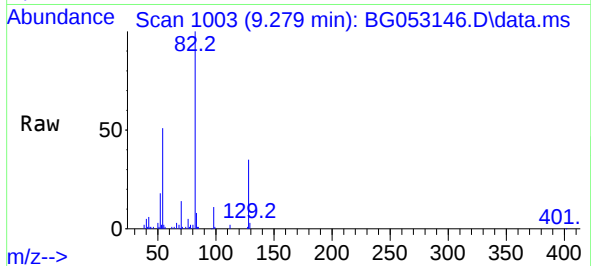
Tgt Ion:136 Resp: 173983
Ion Ratio Lower Upper
136 100
137 11.8 9.4 14.2
54 9.2 6.4 9.6
68 5.6 5.0 7.6





#23
Nitrobenzene-d5
Concen: 14.778 ng
RT: 9.279 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BG053146.D
Acq: 13 Apr 2022 20:02

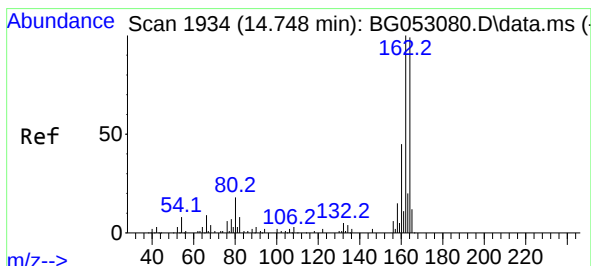
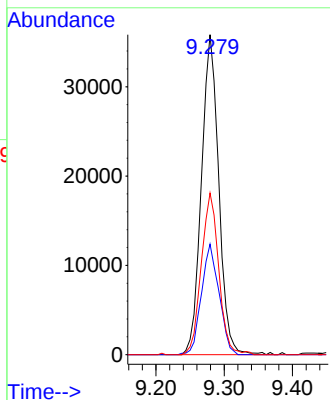
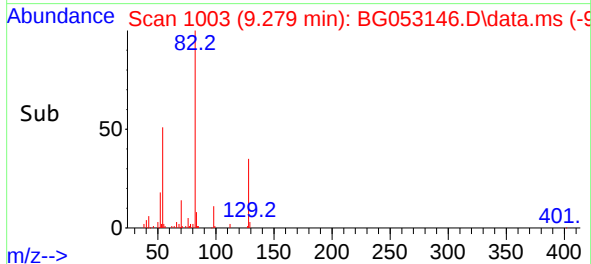
Instrument :
BNA_G
ClientSampleId :
26572



Tgt Ion: 82 Resp: 63324
Ion Ratio Lower Upper
82 100
128 34.5 31.3 46.9
54 50.5 37.8 56.8

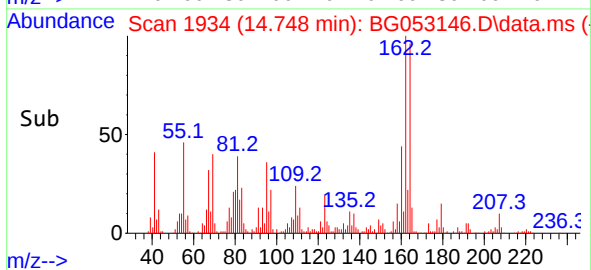
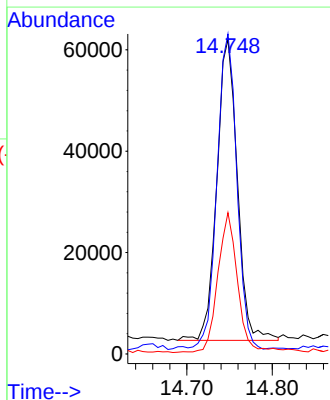
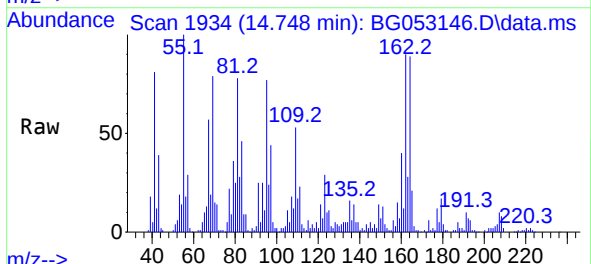
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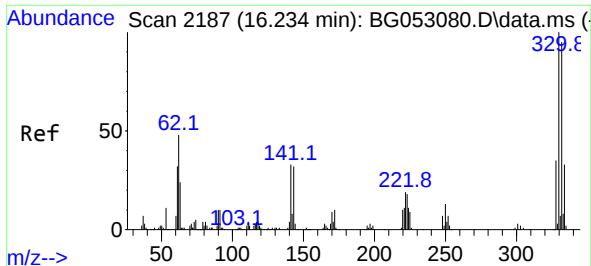
Reviewed By :Christian Giraldo 04/14/2022
Supervised By :Jagrut Upadhyay 04/14/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.748 min Scan# 1934
Delta R.T. 0.000 min
Lab File: BG053146.D
Acq: 13 Apr 2022 20:02

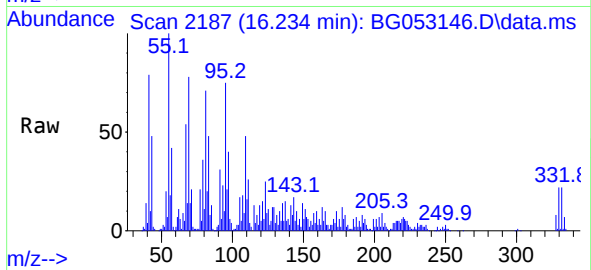
Tgt Ion:164 Resp: 99154
Ion Ratio Lower Upper
164 100
162 101.7 80.0 120.0
160 44.9 38.8 58.2





#42
2,4,6-Tribromophenol
Concen: 20.099 ng
RT: 16.234 min Scan# 2187
Delta R.T. 0.000 min
Lab File: BG053146.D
Acq: 13 Apr 2022 20:02

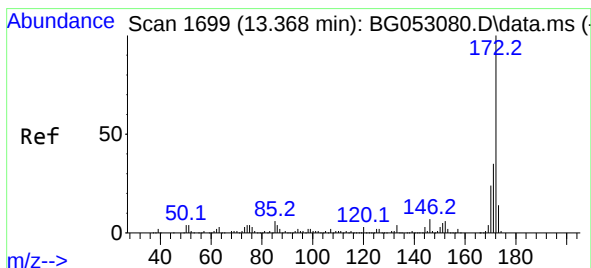
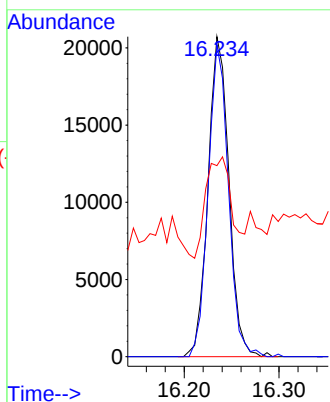
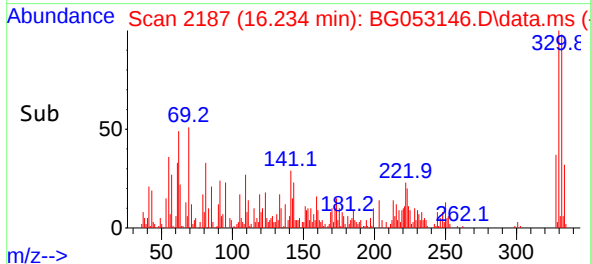
Instrument :
BNA_G
ClientSampleId :
26572



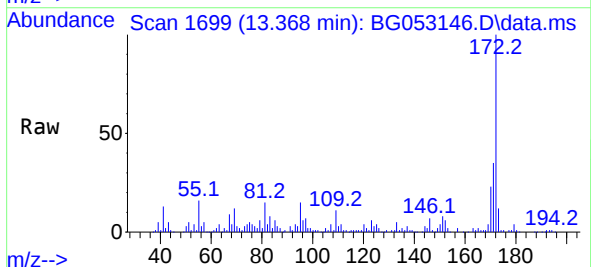
Tgt Ion:330 Resp: 31700
Ion Ratio Lower Upper
330 100
332 94.4 75.8 113.6
141 39.2 24.6 36.8

Manual Integrations
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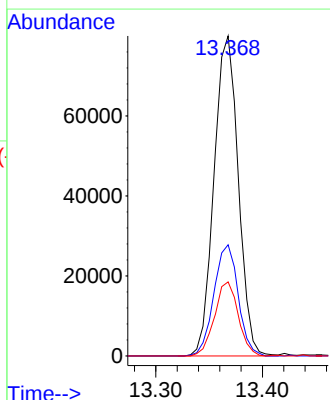
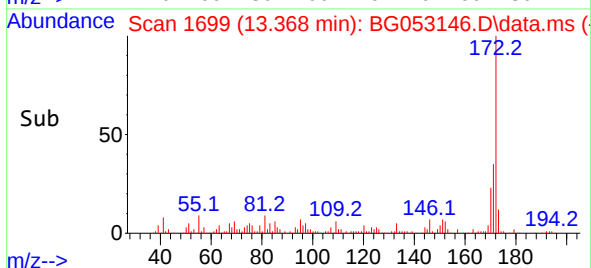
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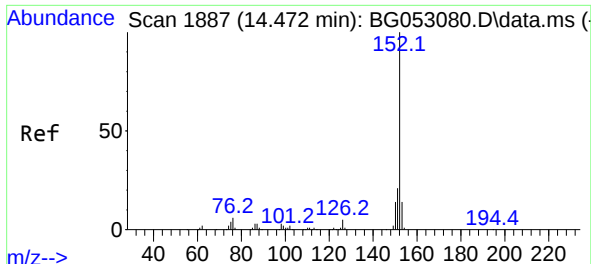


#45
2-Fluorobiphenyl
Concen: 17.550 ng
RT: 13.368 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BG053146.D
Acq: 13 Apr 2022 20:02



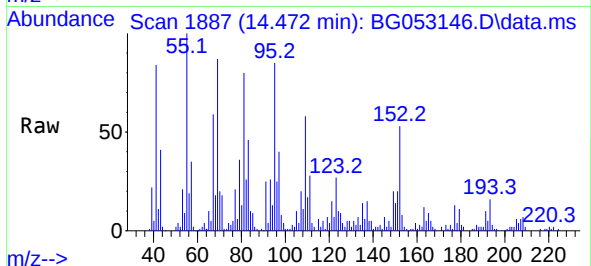
Tgt Ion:172 Resp: 126198
Ion Ratio Lower Upper
172 100
171 34.8 28.3 42.5
170 23.2 18.0 27.0





#49
Acenaphthylene
Concen: 5.861 ng
RT: 14.472 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG053146.D
Acq: 13 Apr 2022 20:02

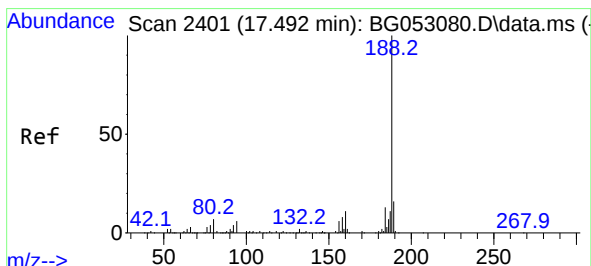
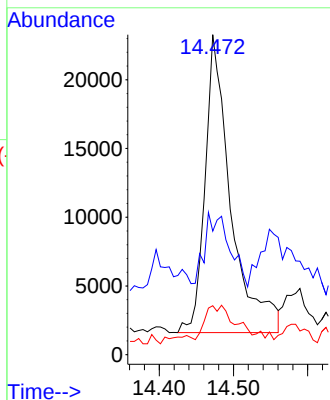
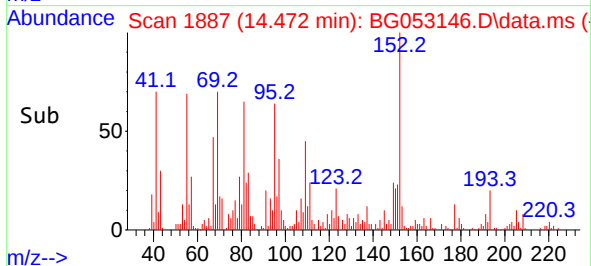
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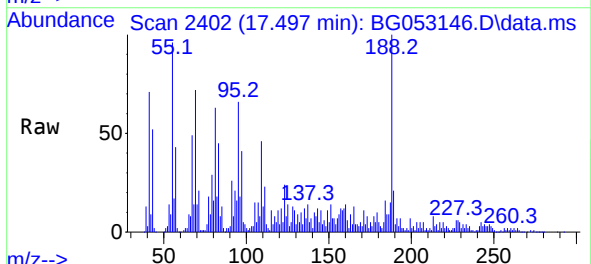
Tgt Ion:152 Resp: 52268
Ion Ratio Lower Upper
152 100
151 38.6 15.8 23.6#
153 15.3 10.6 15.8#

Manual Integrations
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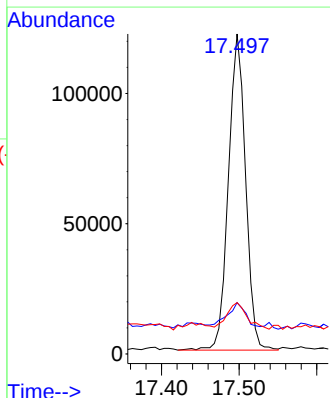
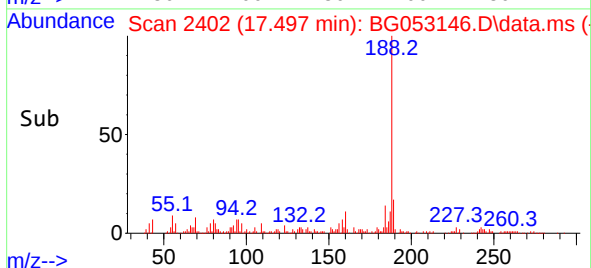
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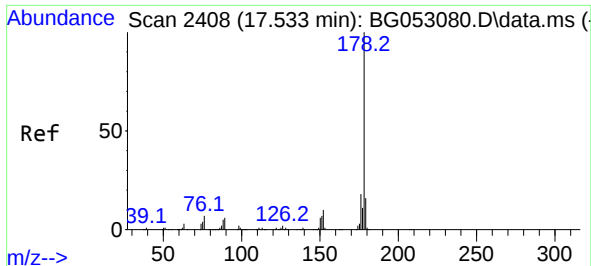


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.497 min Scan# 2402
Delta R.T. 0.006 min
Lab File: BG053146.D
Acq: 13 Apr 2022 20:02



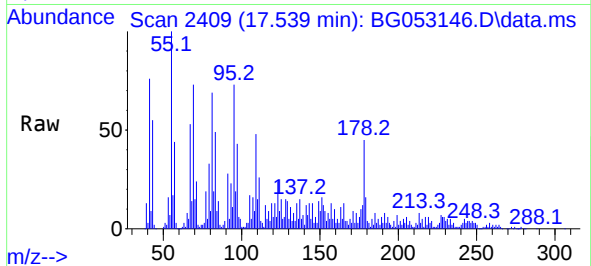
Tgt Ion:188 Resp: 186483
Ion Ratio Lower Upper
188 100
94 16.1 5.7 8.5#
80 16.1 7.2 10.8#





#71
Phenanthrene
Concen: 6.752 ng
RT: 17.539 min Scan# 2409
Delta R.T. 0.006 min
Lab File: BG053146.D
Acq: 13 Apr 2022 20:02

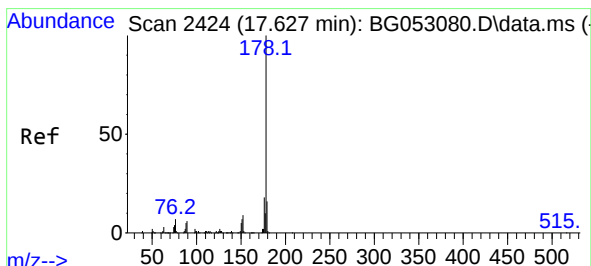
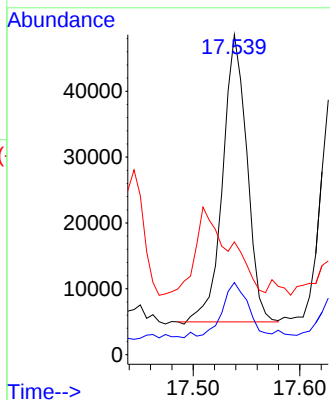
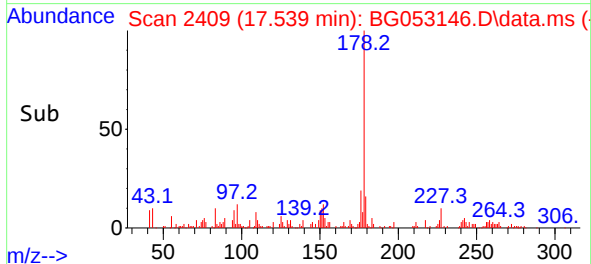
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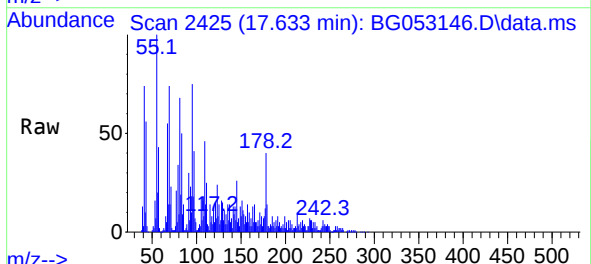
Tgt Ion:178 Resp: 6877
Ion Ratio Lower Upper
178 100
176 22.5 15.9 23.9
179 35.2 13.4 20.2

Manual Integrations
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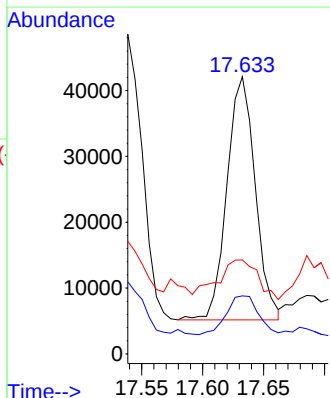
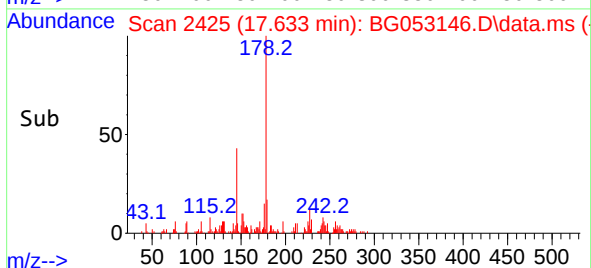
Reviewed By :Christian Giraldo 04/14/2022
Supervised By :Jagrut Upadhyay 04/14/2022

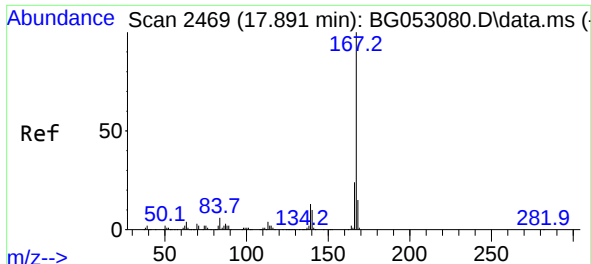


#72
Anthracene
Concen: 5.907 ng
RT: 17.633 min Scan# 2425
Delta R.T. 0.006 min
Lab File: BG053146.D
Acq: 13 Apr 2022 20:02



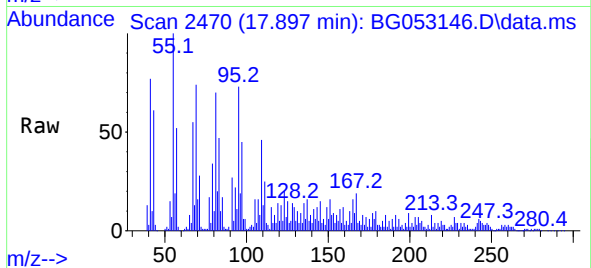
Tgt Ion:178 Resp: 59604
Ion Ratio Lower Upper
178 100
176 21.0 14.7 22.1
179 33.9 13.2 19.8





#73
 Carbazole
 Concen: 2.841 ng
 RT: 17.897 min Scan# 2469
 Delta R.T. 0.006 min
 Lab File: BG053146.D
 Acq: 13 Apr 2022 20:02

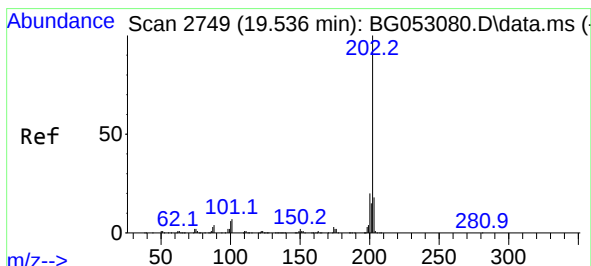
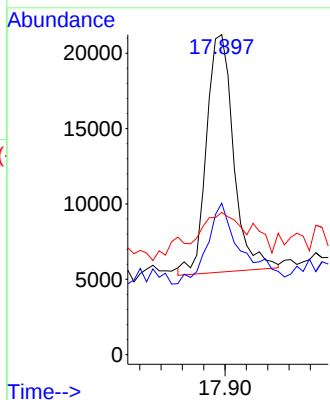
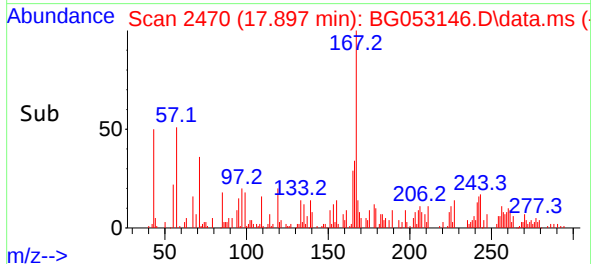
Instrument :
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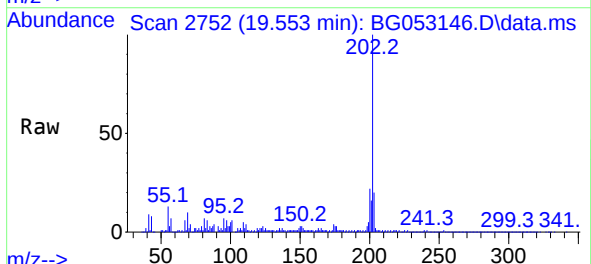
Tgt Ion:167 Resp: 2787
 Ion Ratio Lower Upper
 167 100
 166 47.3 18.5 27.7
 139 44.5 10.0 15.0

Manual Integrations
 APPROVED

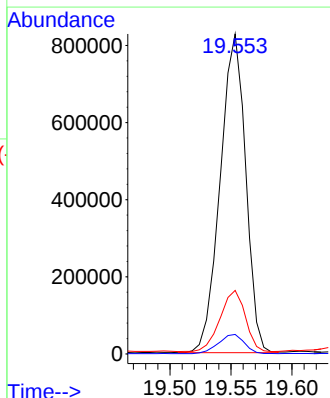
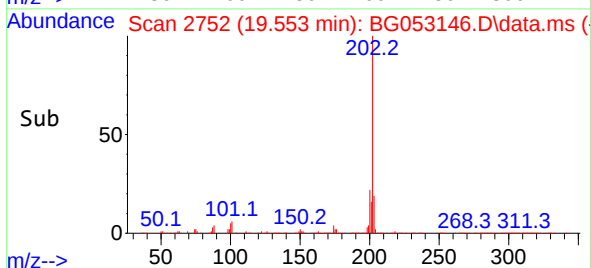
Reviewed By :Christian Giraldo 04/14/2022
 Supervised By :Jagrut Upadhyay 04/14/2022

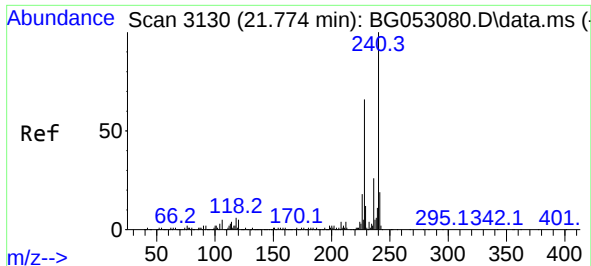


#75
 Fluoranthene
 Concen: 92.158 ng
 RT: 19.553 min Scan# 2752
 Delta R.T. 0.018 min
 Lab File: BG053146.D
 Acq: 13 Apr 2022 20:02



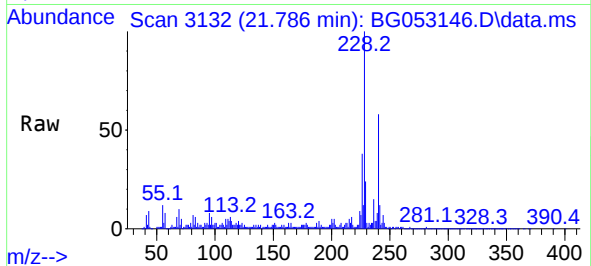
Tgt Ion:202 Resp: 1203288
 Ion Ratio Lower Upper
 202 100
 101 6.1 0.0 27.3
 203 19.9 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.786 min Scan# 3130
Delta R.T. 0.012 min
Lab File: BG053146.D
Acq: 13 Apr 2022 20:02

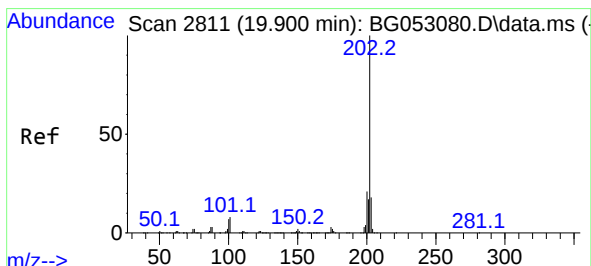
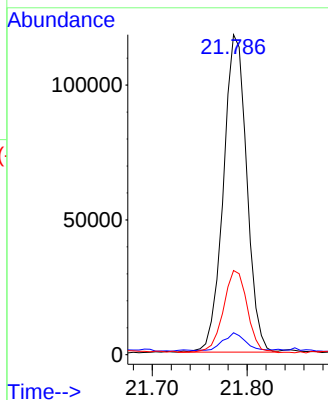
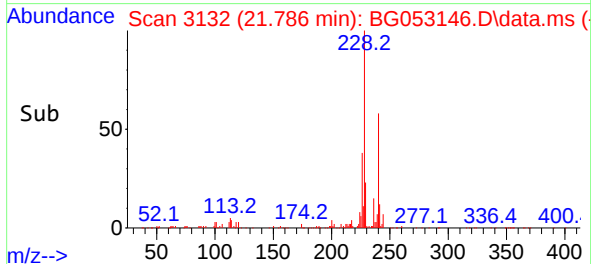
Instrument :
BNA_G
ClientSampleId :
26572



Tgt Ion:240 Resp: 201459
Ion Ratio Lower Upper
240 100
120 6.8 5.4 8.0
236 26.3 19.8 29.6

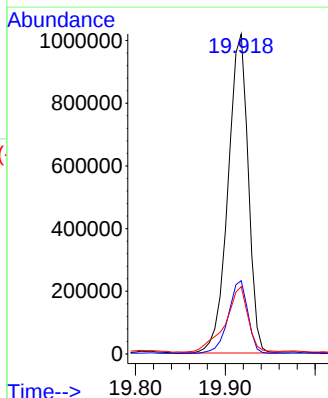
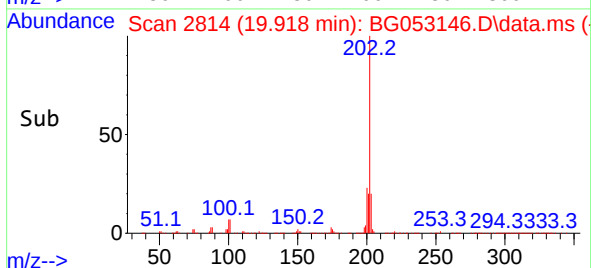
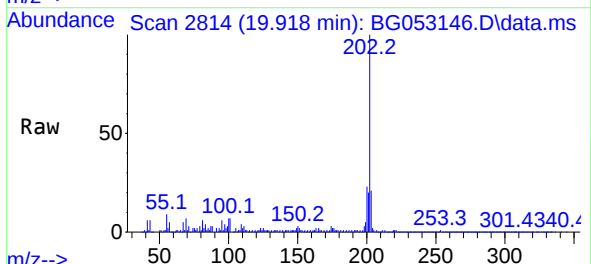
Manual Integrations
APPROVED

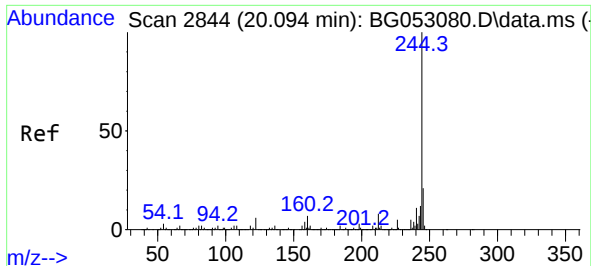
Reviewed By :Christian Giraldo 04/14/2022
Supervised By :Jagrut Upadhyay 04/14/2022



#78
Pyrene
Concen: 110.788 ng
RT: 19.918 min Scan# 2814
Delta R.T. 0.018 min
Lab File: BG053146.D
Acq: 13 Apr 2022 20:02

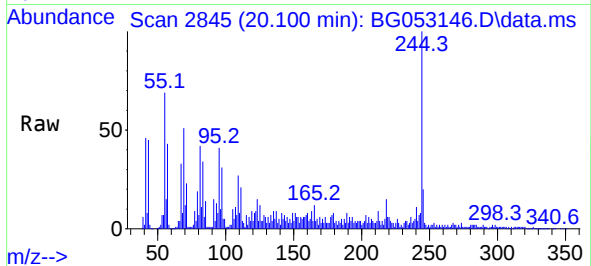
Tgt Ion:202 Resp: 1589573
Ion Ratio Lower Upper
202 100
200 22.9 17.0 25.6
203 21.1 15.0 22.6





#79
 Terphenyl-d14
 Concen: 15.172 ng
 RT: 20.100 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BG053146.D
 Acq: 13 Apr 2022 20:02

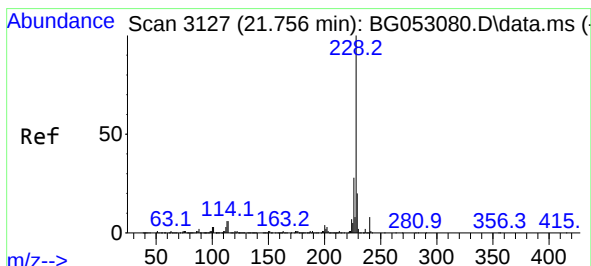
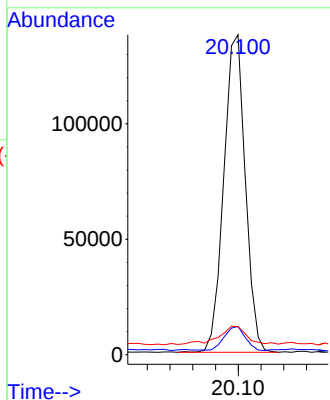
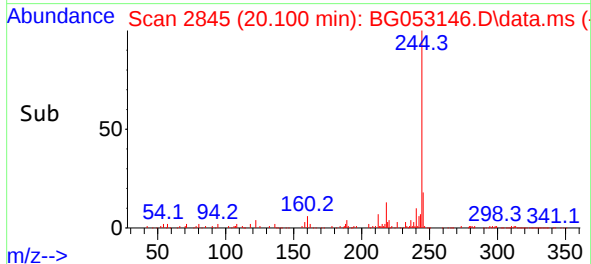
Instrument :
 BNA_G
 ClientSampleId :
 26572



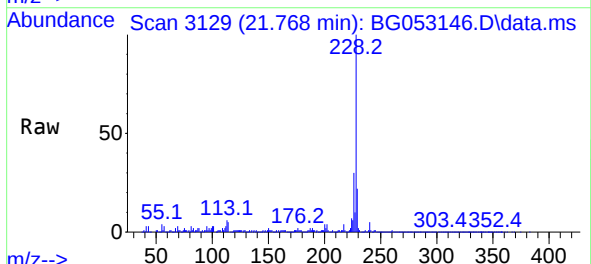
Tgt Ion:244 Resp: 18097
 Ion Ratio Lower Upper
 244 100
 212 8.8 5.4 8.2
 122 8.8 5.8 8.6

Manual Integrations
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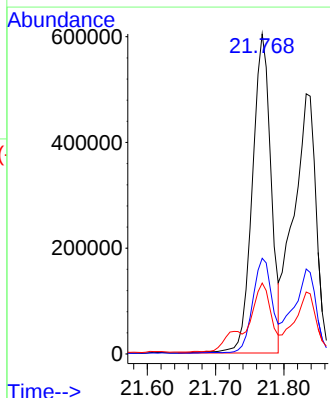
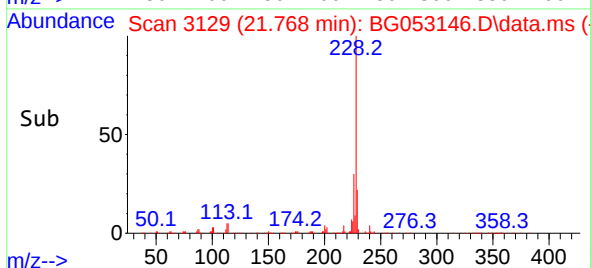
Reviewed By :Christian Giraldo 04/14/2022
 Supervised By :Jagrut Upadhyay 04/14/2022

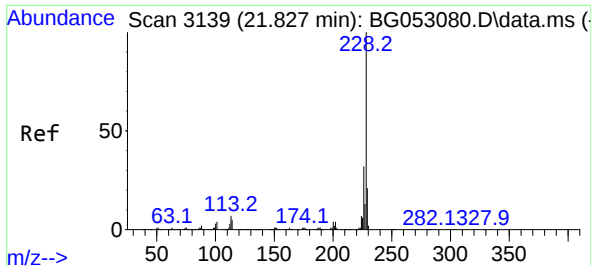


#81
 Benzo(a)anthracene
 Concen: 82.893 ng
 RT: 21.768 min Scan# 3129
 Delta R.T. 0.012 min
 Lab File: BG053146.D
 Acq: 13 Apr 2022 20:02



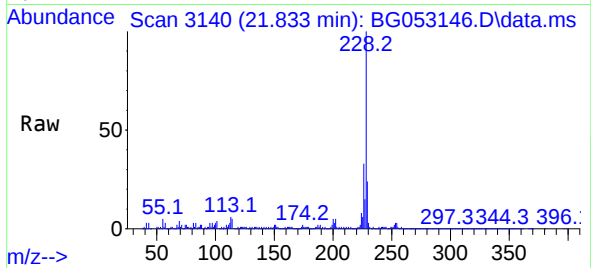
Tgt Ion:228 Resp: 1141800
 Ion Ratio Lower Upper
 228 100
 226 29.9 21.4 32.0
 229 22.2 16.7 25.1





#83
Chrysene
Concen: 88.696 ng
RT: 21.833 min Scan# 31
Delta R.T. 0.006 min
Lab File: BG053146.D
Acq: 13 Apr 2022 20:02

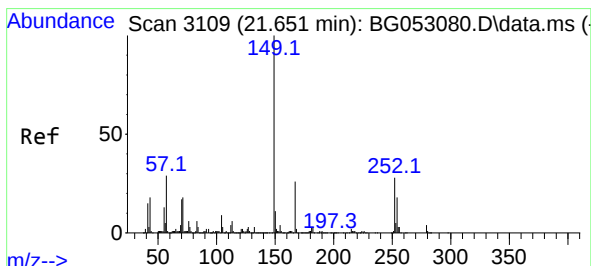
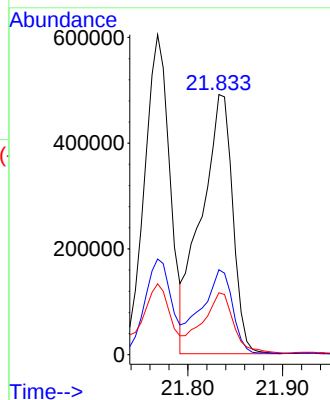
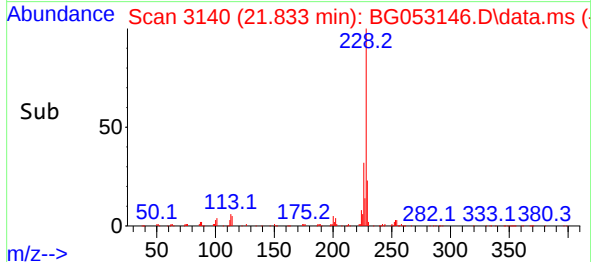
Instrument :
BNA_G
ClientSampleId :
26572



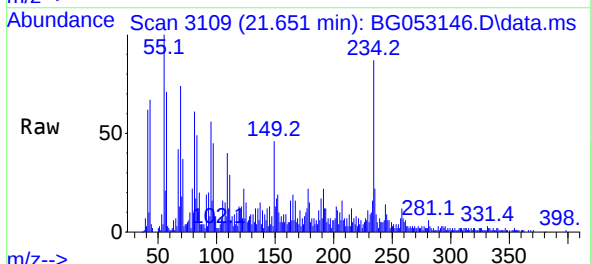
Tgt Ion:228 Resp: 113384
Ion Ratio Lower Upper
228 100
226 32.6 24.2 36.4
229 23.8 16.3 24.5

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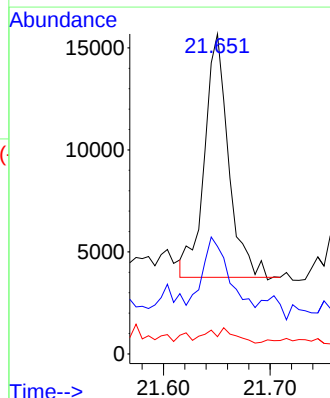
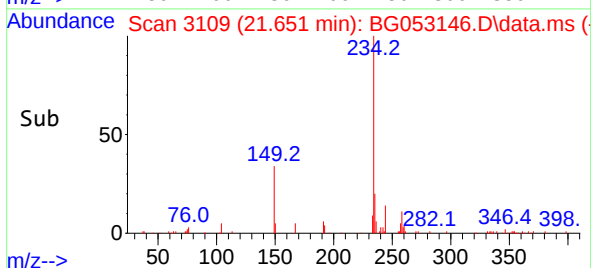
Reviewed By :Christian Giraldo 04/14/2022
Supervised By :Jagrut Upadhyay 04/14/2022

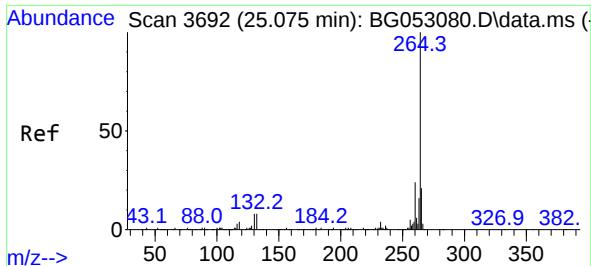


#84
Bis(2-ethylhexyl)phthalate
Concen: 2.581 ng
RT: 21.651 min Scan# 3109
Delta R.T. 0.000 min
Lab File: BG053146.D
Acq: 13 Apr 2022 20:02



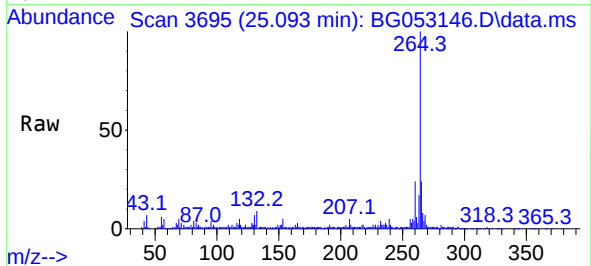
Tgt Ion:149 Resp: 18661
Ion Ratio Lower Upper
149 100
167 33.6 21.4 32.2#
279 5.4 3.8 5.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.093 min Scan# 30
Delta R.T. 0.018 min
Lab File: BG053146.D
Acq: 13 Apr 2022 20:02

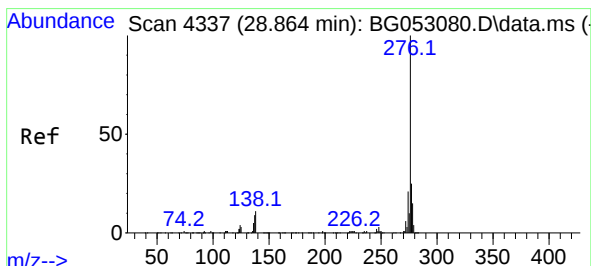
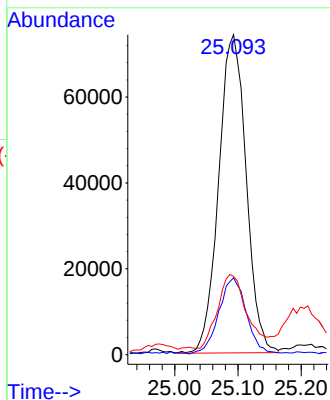
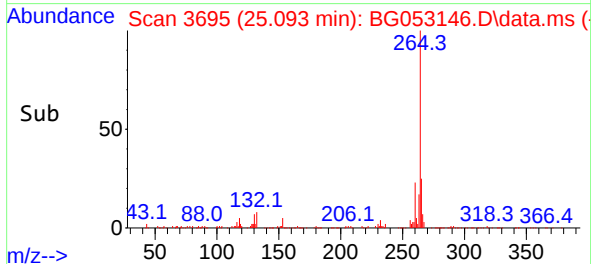
Instrument :
BNA_G
ClientSampleId :
26572



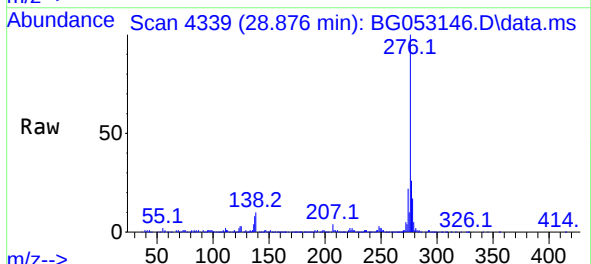
Tgt Ion:264 Resp: 223724
Ion Ratio Lower Upper
264 100
260 24.0 18.2 27.2
265 24.4 15.1 22.7

Manual Integrations
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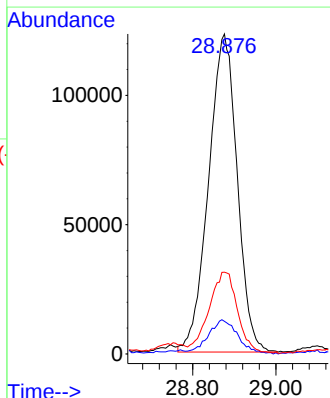
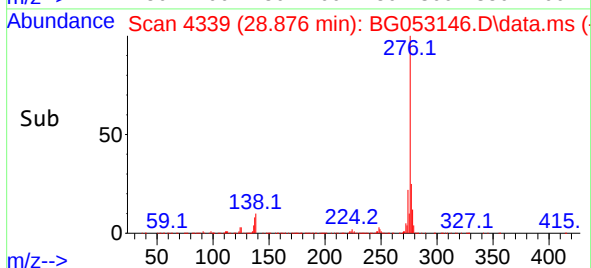
Reviewed By :Christian Giraldo 04/14/2022
Supervised By :Jagrut Upadhyay 04/14/2022

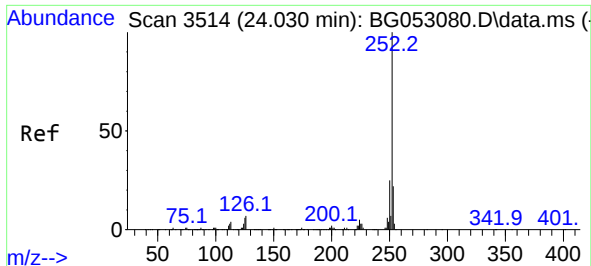


#87
Indeno(1,2,3-cd)pyrene
Concen: 35.384 ng
RT: 28.876 min Scan# 4339
Delta R.T. 0.012 min
Lab File: BG053146.D
Acq: 13 Apr 2022 20:02



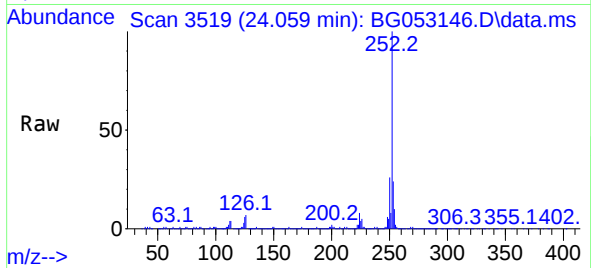
Tgt Ion:276 Resp: 588142
Ion Ratio Lower Upper
276 100
138 11.1 8.7 13.1
277 25.4 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 135.939 ng
RT: 24.059 min Scan# 31
Delta R.T. 0.029 min
Lab File: BG053146.D
Acq: 13 Apr 2022 20:02

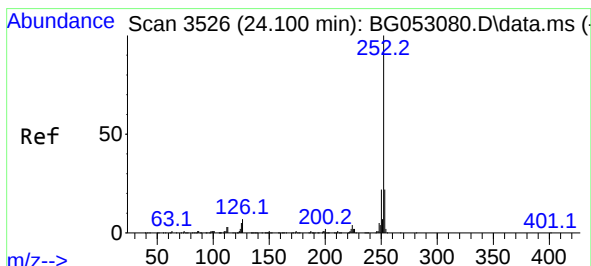
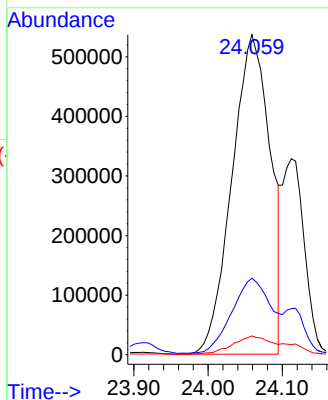
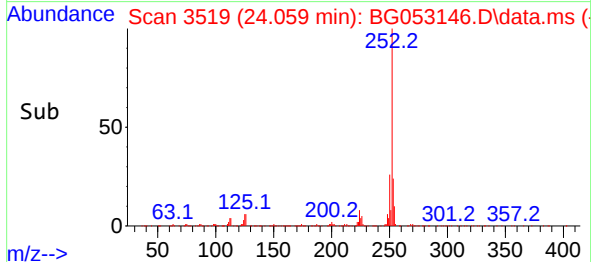
Instrument :
BNA_G
ClientSampleId :
26572



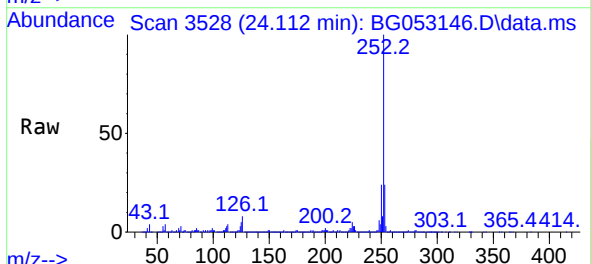
Tgt Ion:252 Resp: 191887
Ion Ratio Lower Upper
252 100
253 23.9 17.2 25.8
125 5.8 5.2 7.8

Manual Integrations
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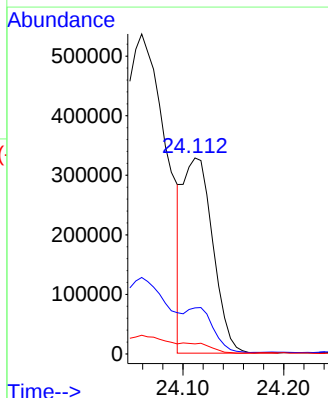
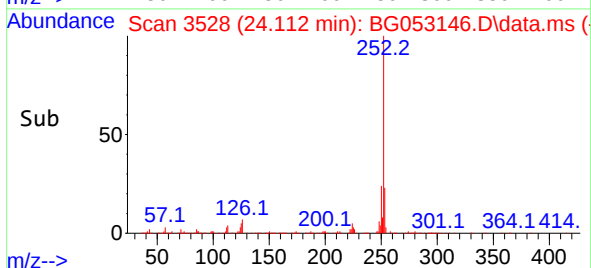
Reviewed By :Christian Giraldo 04/14/2022
Supervised By :Jagrut Upadhyay 04/14/2022

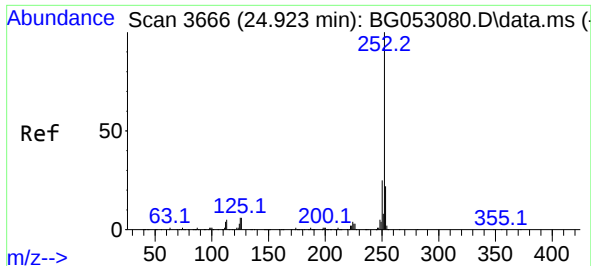


#89
Benzo(k)fluoranthene
Concen: 48.661 ng m
RT: 24.112 min Scan# 3528
Delta R.T. 0.012 min
Lab File: BG053146.D
Acq: 13 Apr 2022 20:02



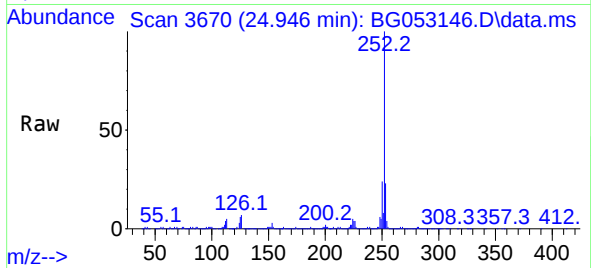
Tgt Ion:252 Resp: 675076
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.0
125 5.2 5.0 7.4





#90
Benzo(a)pyrene
Concen: 85.019 ng
RT: 24.946 min Scan# 30
Delta R.T. 0.023 min
Lab File: BG053146.D
Acq: 13 Apr 2022 20:02

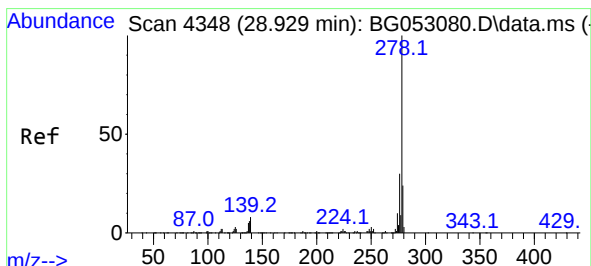
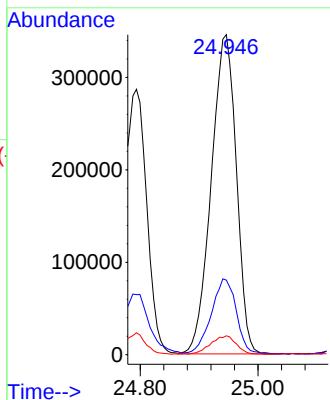
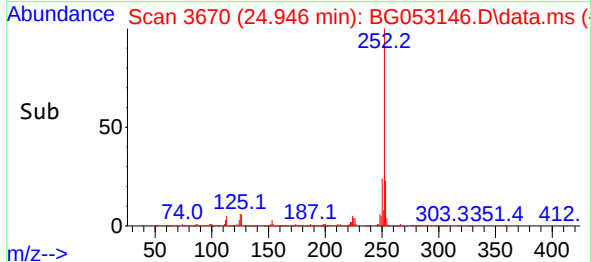
Instrument :
BNA_G
ClientSampleId :
26572



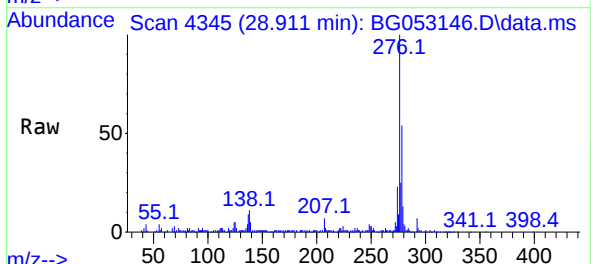
Tgt Ion:252 Resp: 102238
Ion Ratio Lower Upper
252 100
253 23.3 18.4 27.6
125 5.9 5.6 8.4

Manual Integrations
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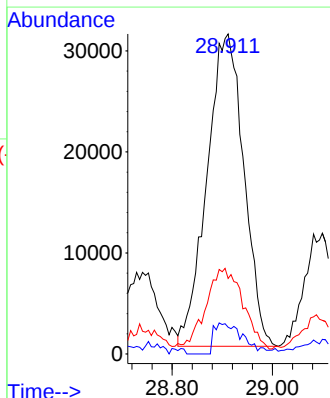
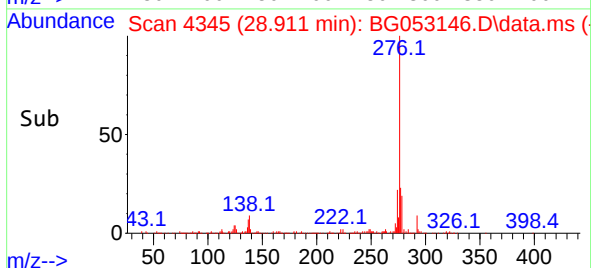
Reviewed By :Christian Giraldo 04/14/2022
Supervised By :Jagrut Upadhyay 04/14/2022

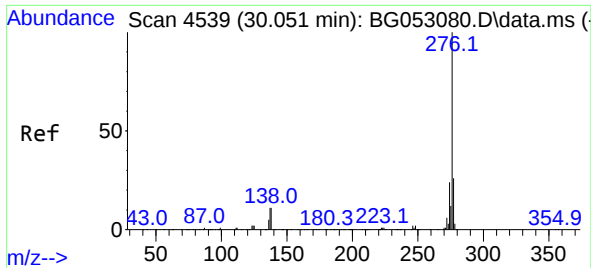


#91
Dibenzo(a,h)anthracene
Concen: 11.551 ng
RT: 28.911 min Scan# 4345
Delta R.T. -0.018 min
Lab File: BG053146.D
Acq: 13 Apr 2022 20:02



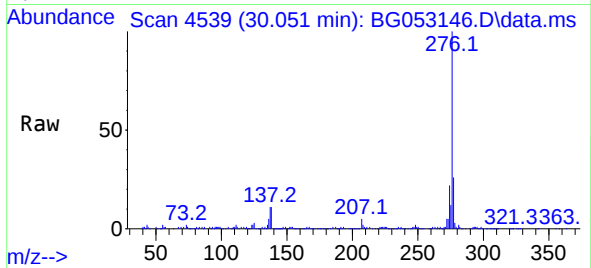
Tgt Ion:278 Resp: 158024
Ion Ratio Lower Upper
278 100
139 8.4 7.8 11.6
279 23.6 18.5 27.7





#92
 Benzo(g,h,i)perylene
 Concen: 34.510 ng
 RT: 30.051 min Scan# 4
 Delta R.T. 0.000 min
 Lab File: BG053146.D
 Acq: 13 Apr 2022 20:02

Instrument :
 BNA_G
 ClientSampleId :
 26572



Tgt Ion:276 Resp: 465320
 Ion Ratio Lower Upper
 276 100
 277 26.0 18.2 27.2
 138 10.8 9.1 13.7

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 04/14/2022
 Supervised By :Jagrut Upadhyay 04/14/2022

