

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070122\
 Data File : BG054197.D
 Acq On : 1 Jul 2022 18:55
 Operator : CG/JU
 Sample : N3564-31
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-16-2-3

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/05/2022
 Supervised By : Jagrut Upadhyay 07/05/2022

Quant Time: Jul 01 23:35:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 00:27:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.070	152	18885	20.000	ng	0.00
21) Naphthalene-d8	10.878	136	72528	20.000	ng	# 0.00
39) Acenaphthene-d10	14.703	164	49889	20.000	ng	0.00
64) Phenanthrene-d10	17.459	188	106618	20.000	ng	# 0.02
76) Chrysene-d12	21.754	240	123692	20.000	ng	# 0.03
86) Perylene-d12	25.050	264	136181	20.000	ng	# 0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.643	112	76895	77.848	ng	0.00
7) Phenol-d6	7.236	99	101105	75.454	ng	0.00
23) Nitrobenzene-d5	9.227	82	71208	55.173	ng	0.00
42) 2,4,6-Tribromophenol	16.196	330	64870	80.930	ng	0.01
45) 2-Fluorobiphenyl	13.323	172	190464	55.515	ng	0.00
79) Terphenyl-d14	20.068	244	345543	56.265	ng	0.02
Target Compounds						Qvalue
13) 1,4-Dichlorobenzene	8.105	146	4157	3.131	ng	# 87
14) 1,2-Dichlorobenzene	8.422	146	7701	6.043	ng	# 89
37) 2-Methylnaphthalene	12.535	142	20030	7.394	ng	96
38) 1-Methylnaphthalene	12.753	142	45510	17.254	ng	# 98
52) Acenaphthene	14.762	154	10883	3.904	ng	# 84
58) Fluorene	15.749	166	32320	8.765	ng	# 72
71) Phenanthrene	17.500	178	151434	27.645	ng	# 88
72) Anthracene	17.588	178	37196	6.954	ng	# 72
75) Fluoranthene	19.521	202	146165	20.327	ng	85
78) Pyrene	19.880	202	228403	30.573	ng	# 89
81) Benzo(a)anthracene	21.730	228	129763	16.202	ng	# 65
83) Chrysene	21.801	228	190337	24.933	ng	# 74
87) Indeno(1,2,3-cd)pyrene	28.816	276	67871	6.604	ng	# 95
88) Benzo(b)fluoranthene	24.004	252	118657m	14.330	ng	
89) Benzo(k)fluoranthene	24.057	252	31790m	3.878	ng	
90) Benzo(a)pyrene	24.891	252	118564	16.971	ng	# 77
91) Dibenzo(a,h)anthracene	28.851	278	40241	4.735	ng	# 46
92) Benzo(g,h,i)perylene	29.985	276	98796	11.780	ng	# 89

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

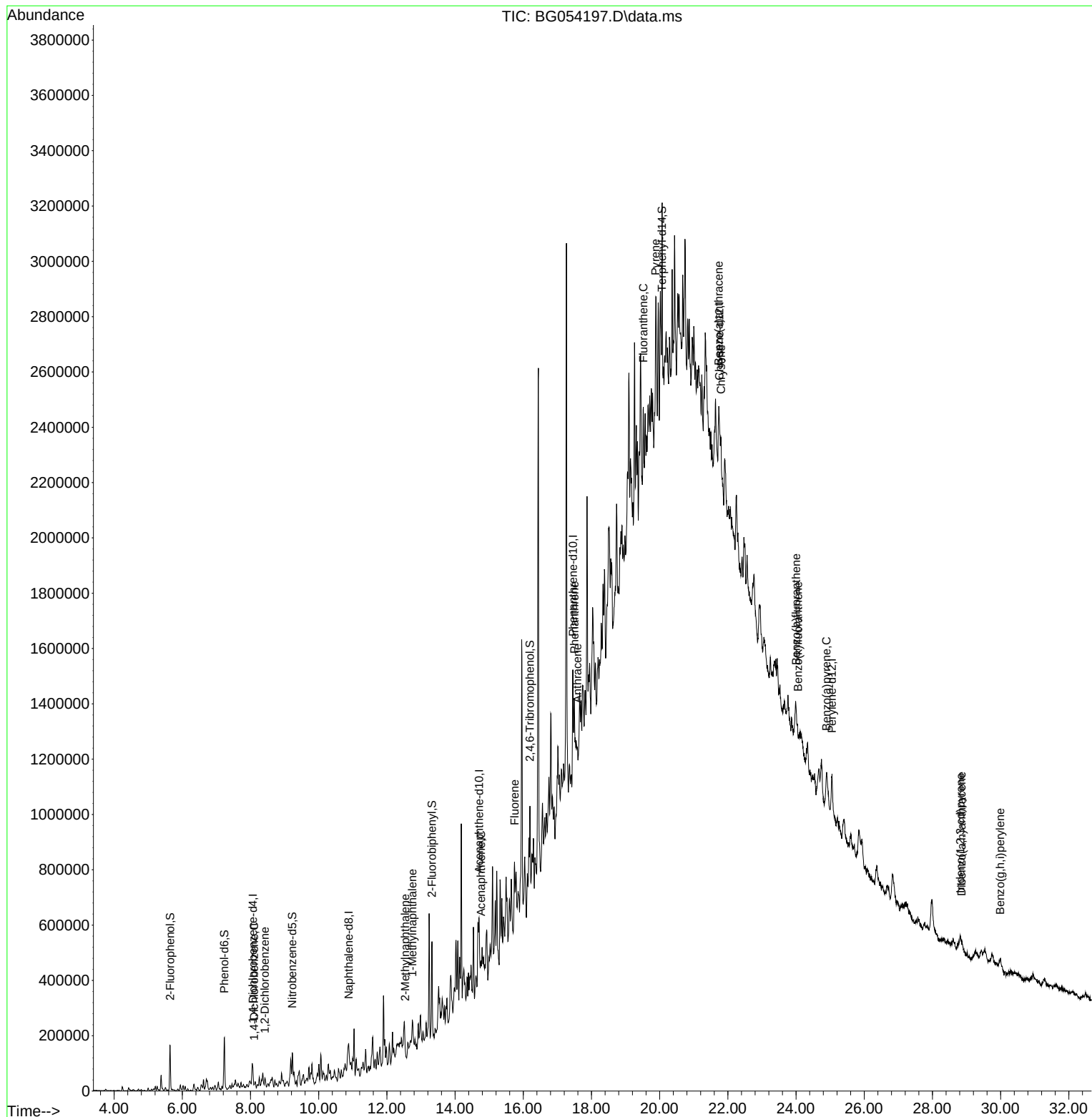
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070122\
Data File : BG054197.D
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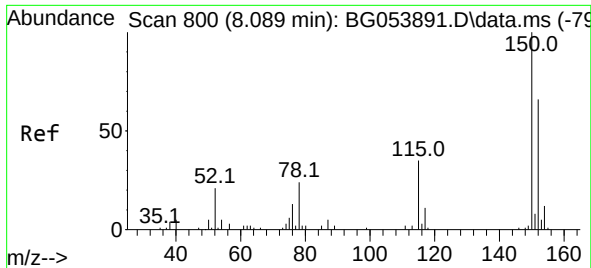
Instrument :
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Quant Time: Jul 01 23:35:23 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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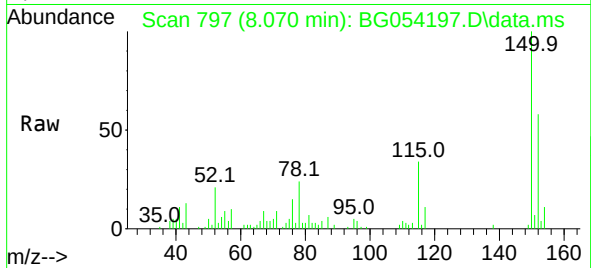
Reviewed By : Christian Giraldo 07/05/2022
Supervised By : Jagrut Upadhyay 07/05/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.070 min Scan# 79
Delta R.T. -0.000 min
Lab File: BG054197.D
Acq: 1 Jul 2022 18:55

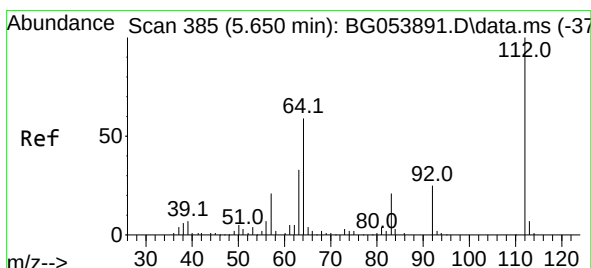
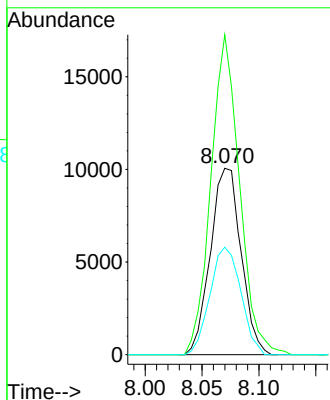
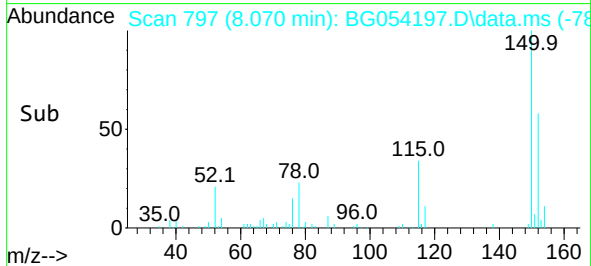
Instrument :
BNA_G
ClientSampleId :
WC-16-2-3



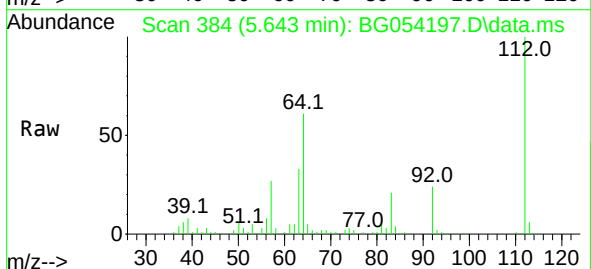
Tgt Ion:152 Resp: 1888
Ion Ratio Lower Upper
152 100
150 171.7 131.6 197.4
115 57.7 50.9 76.3

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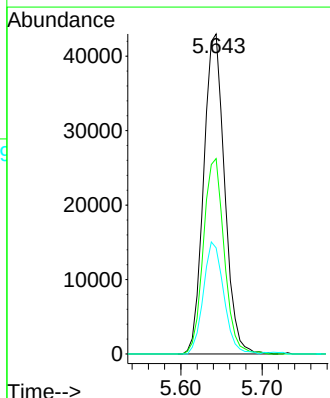
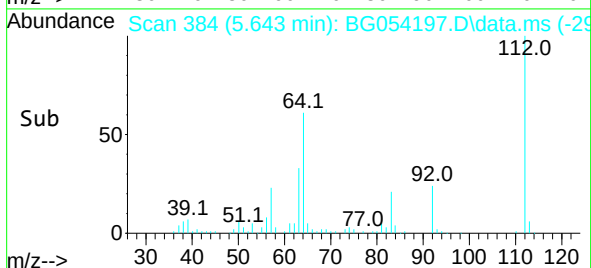
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

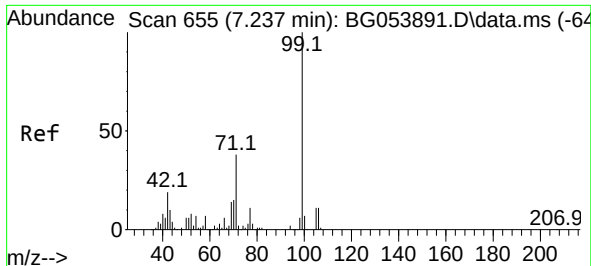


#5
2-Fluorophenol
Concen: 77.848 ng
RT: 5.643 min Scan# 384
Delta R.T. 0.005 min
Lab File: BG054197.D
Acq: 1 Jul 2022 18:55



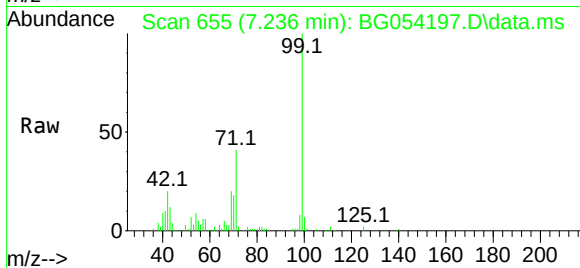
Tgt Ion:112 Resp: 76895
Ion Ratio Lower Upper
112 100
64 61.1 55.1 82.7
63 33.1 30.4 45.6





#7
Phenol-d6
Concen: 75.454 ng
RT: 7.236 min Scan# 611
Delta R.T. 0.005 min
Lab File: BG054197.D
Acq: 1 Jul 2022 18:55

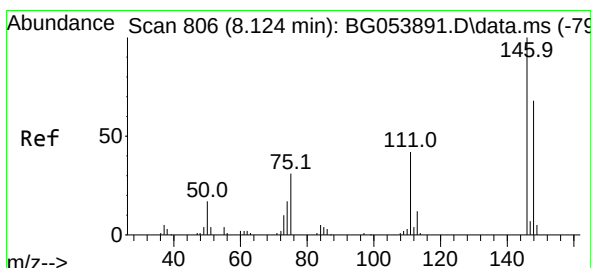
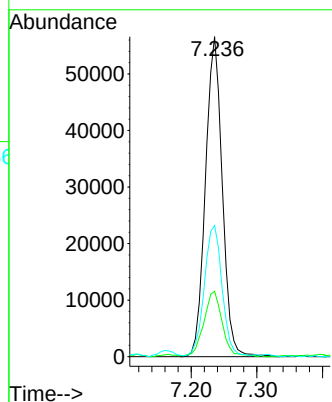
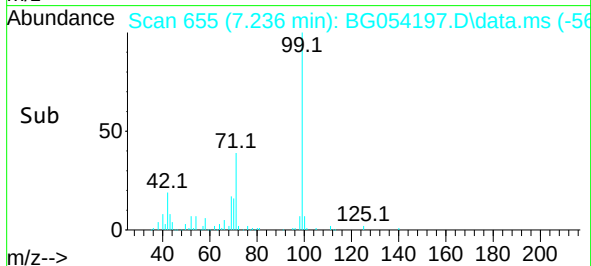
Instrument :
BNA_G
ClientSampleId :
WC-16-2-3



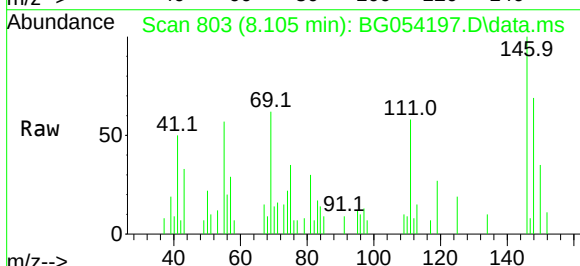
Tgt Ion: 99 Resp: 10110
Ion Ratio Lower Upper
99 100
42 20.5 17.0 25.6
71 41.0 33.8 50.8

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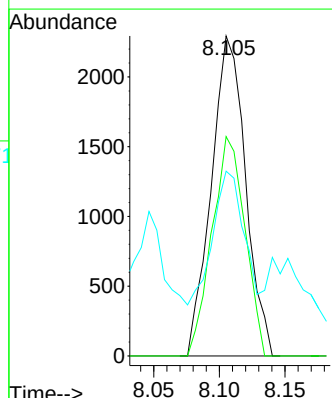
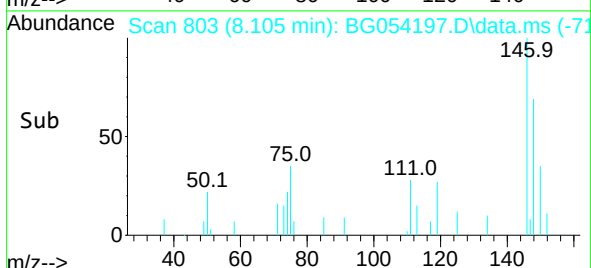
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

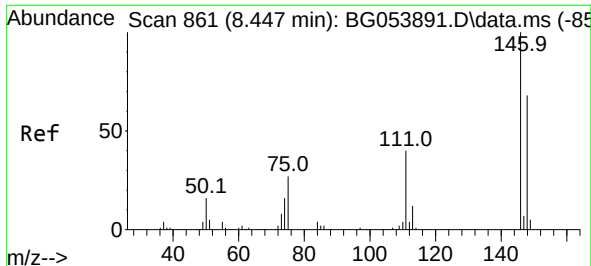


#13
1,4-Dichlorobenzene
Concen: 3.131 ng
RT: 8.105 min Scan# 803
Delta R.T. -0.000 min
Lab File: BG054197.D
Acq: 1 Jul 2022 18:55



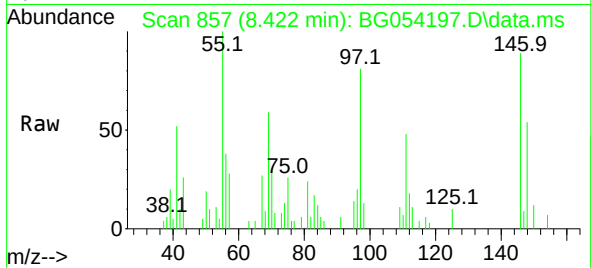
Tgt Ion:146 Resp: 4157
Ion Ratio Lower Upper
146 100
148 68.6 51.5 77.3
111 57.8 33.9 50.9#





#14
1,2-Dichlorobenzene
Concen: 6.043 ng
RT: 8.422 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG054197.D
Acq: 1 Jul 2022 18:55

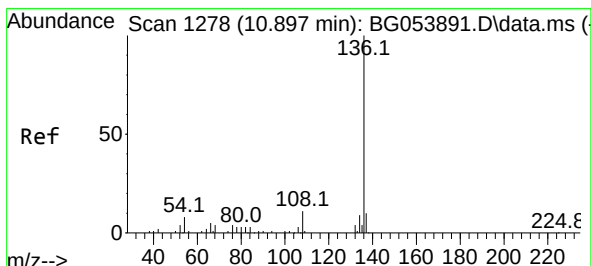
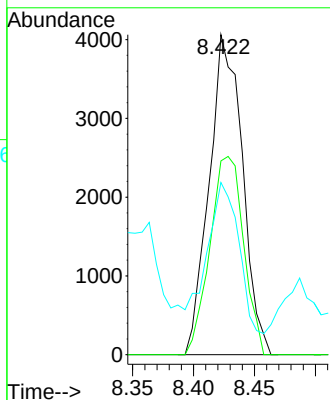
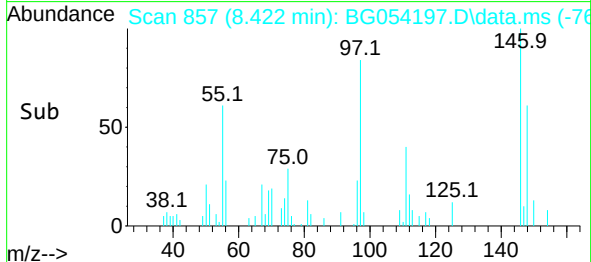
Instrument :
BNA_G
ClientSampleId :
WC-16-2-3



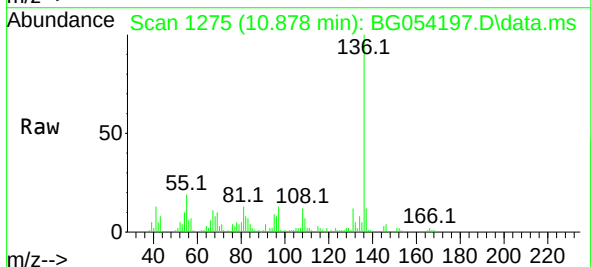
Tgt Ion:146 Resp: 770
Ion Ratio Lower Upper
146 100
148 60.6 52.6 78.8
111 53.8 34.5 51.7

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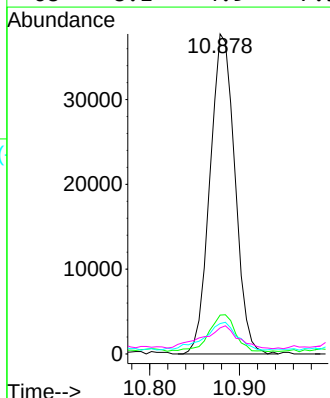
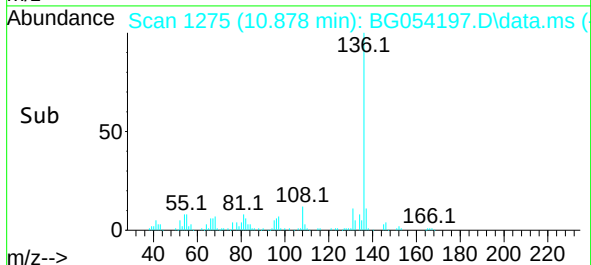
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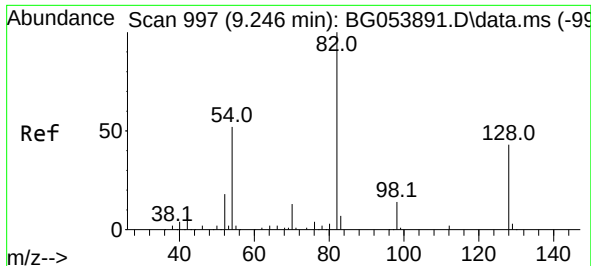


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.878 min Scan# 1275
Delta R.T. -0.000 min
Lab File: BG054197.D
Acq: 1 Jul 2022 18:55



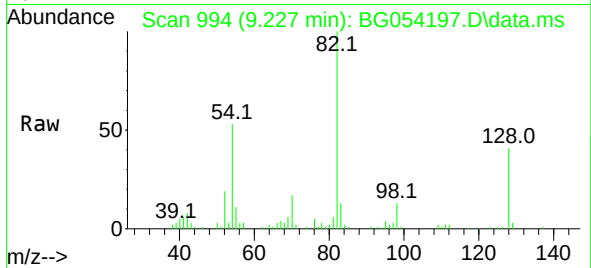
Tgt Ion:136 Resp: 72528
Ion Ratio Lower Upper
136 100
137 12.2 8.5 12.7
54 9.5 7.4 11.2
68 8.1 4.9 7.3





#23
Nitrobenzene-d5
Concen: 55.173 ng
RT: 9.227 min Scan# 997
Delta R.T. -0.006 min
Lab File: BG054197.D
Acq: 1 Jul 2022 18:55

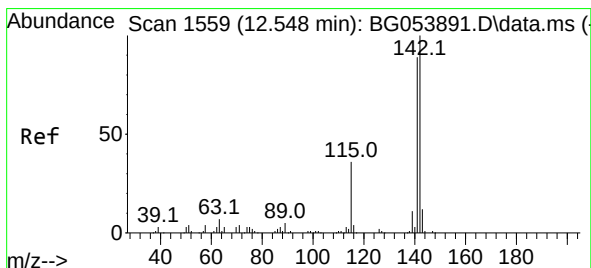
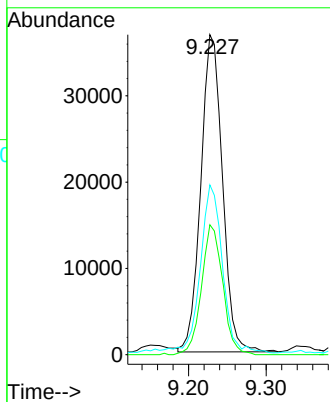
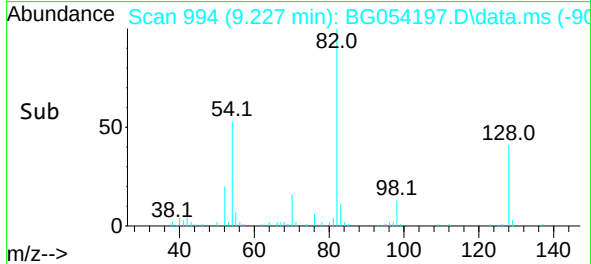
Instrument :
BNA_G
ClientSampleId :
WC-16-2-3



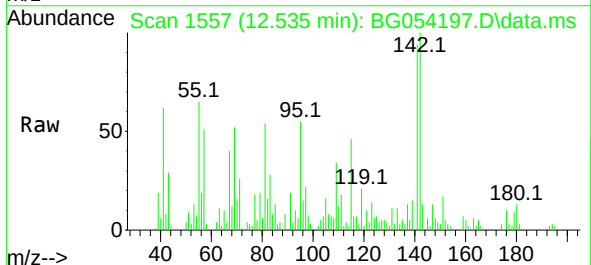
Tgt Ion: 82 Resp: 71208
Ion Ratio Lower Upper
82 100
128 40.6 27.9 41.9
54 53.0 41.2 61.8

Manual Integrations
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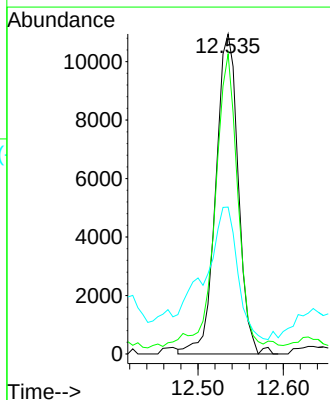
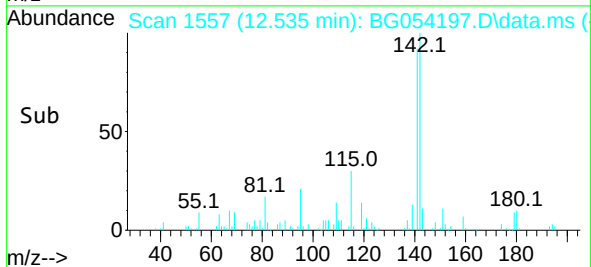
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Supervised By :Jagrut Upadhyay 07/05/2022

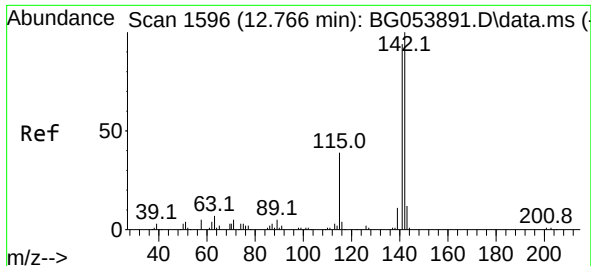


#37
2-Methylnaphthalene
Concen: 7.394 ng
RT: 12.535 min Scan# 1557
Delta R.T. 0.005 min
Lab File: BG054197.D
Acq: 1 Jul 2022 18:55



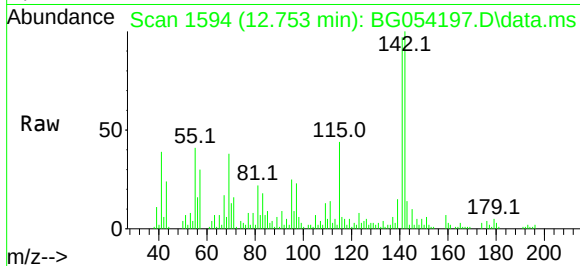
Tgt Ion:142 Resp: 20030
Ion Ratio Lower Upper
142 100
141 93.8 72.3 108.5
115 45.9 33.7 50.5





#38
1-Methylnaphthalene
Concen: 17.254 ng
RT: 12.753 min Scan# 11
Delta R.T. 0.005 min
Lab File: BG054197.D
Acq: 1 Jul 2022 18:55

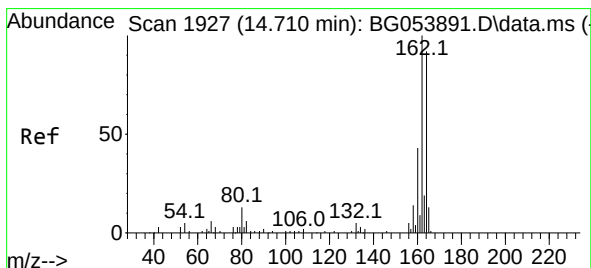
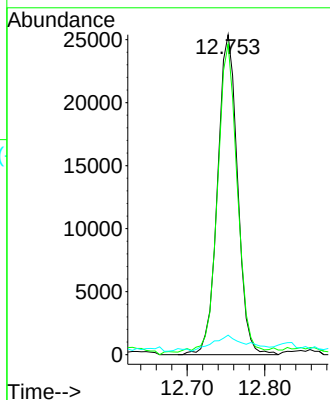
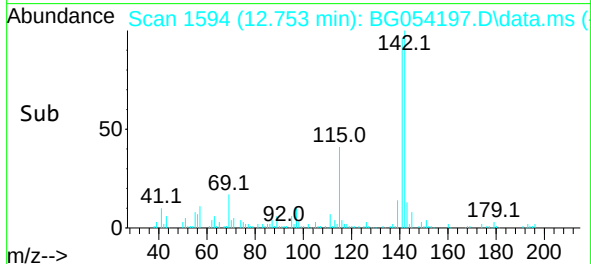
Instrument :
BNA_G
ClientSampleId :
WC-16-2-3



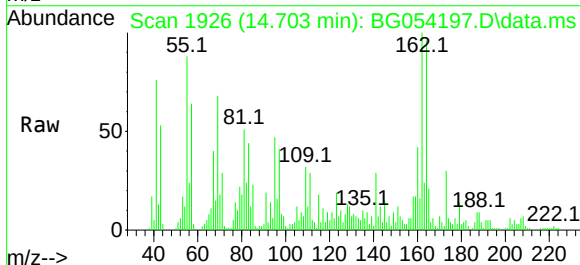
Tgt Ion:142 Resp: 45510
Ion Ratio Lower Upper
142 100
141 97.0 76.4 114.6
116 6.1 3.3 4.9

Manual Integrations
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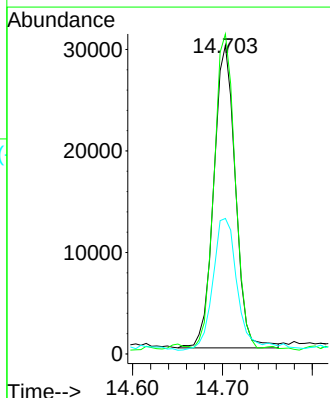
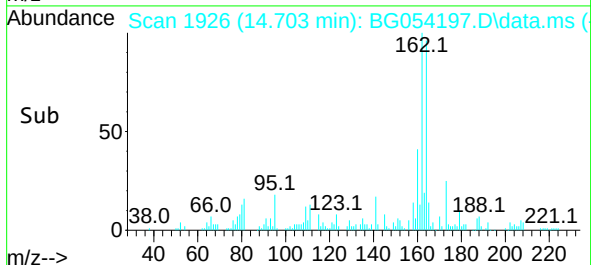
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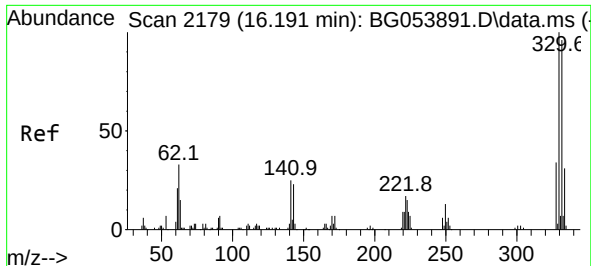


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.703 min Scan# 1926
Delta R.T. 0.005 min
Lab File: BG054197.D
Acq: 1 Jul 2022 18:55



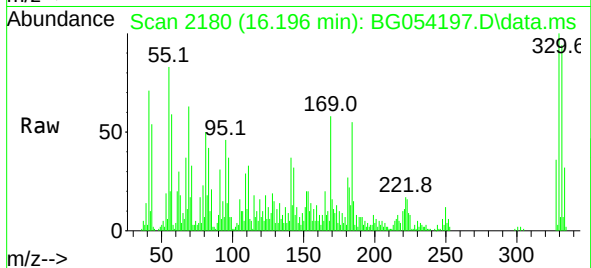
Tgt Ion:164 Resp: 49889
Ion Ratio Lower Upper
164 100
162 103.7 82.3 123.5
160 43.9 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 80.930 ng
RT: 16.196 min Scan# 2179
Delta R.T. 0.011 min
Lab File: BG054197.D
Acq: 1 Jul 2022 18:55

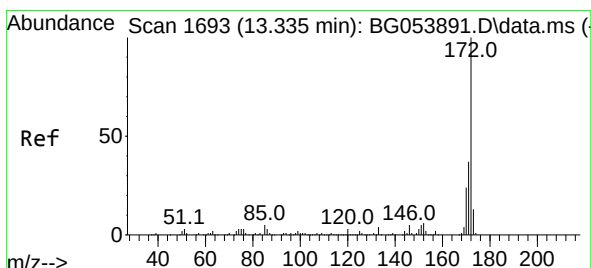
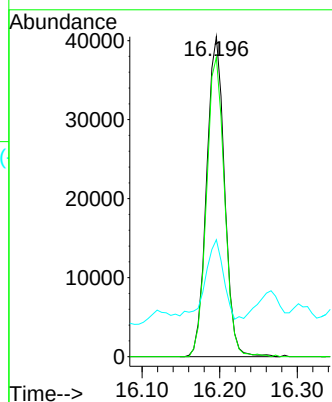
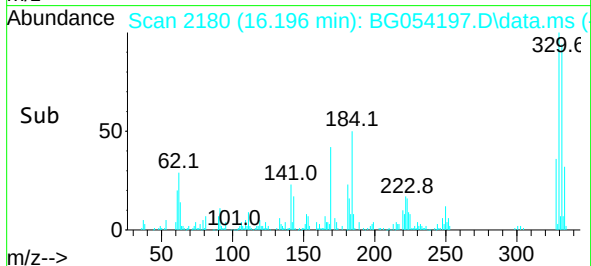
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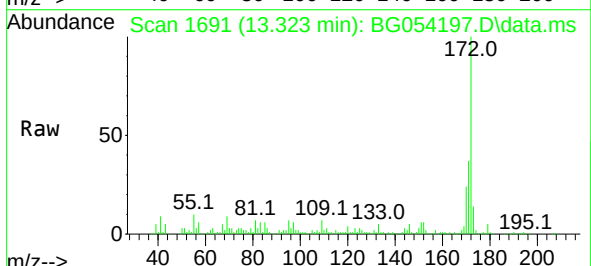
Tgt Ion:330 Resp: 64870
Ion Ratio Lower Upper
330 100
332 94.2 76.0 114.0
141 24.7 27.1 40.7

Manual Integrations
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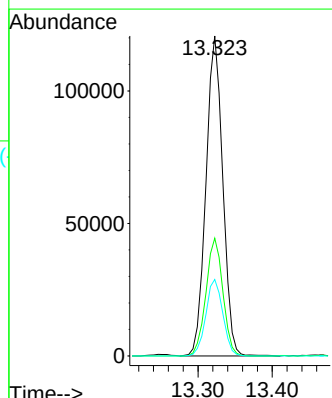
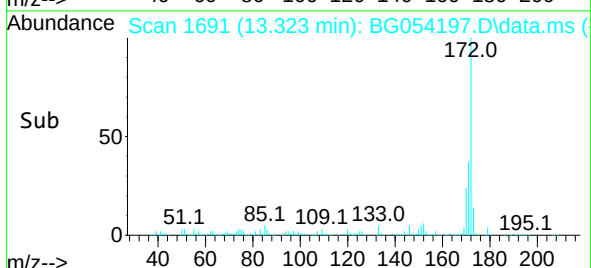
Reviewed By :Christian Giraldo 07/05/2022
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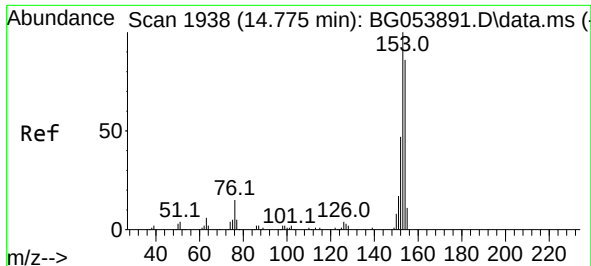


#45
2-Fluorobiphenyl
Concen: 55.515 ng
RT: 13.323 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BG054197.D
Acq: 1 Jul 2022 18:55



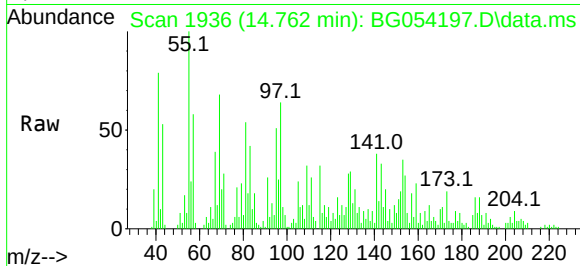
Tgt Ion:172 Resp: 190464
Ion Ratio Lower Upper
172 100
171 36.8 28.5 42.7
170 23.9 18.9 28.3





#52
Acenaphthene
Concen: 3.904 ng
RT: 14.762 min Scan# 1936
Delta R.T. -0.000 min
Lab File: BG054197.D
Acq: 1 Jul 2022 18:55

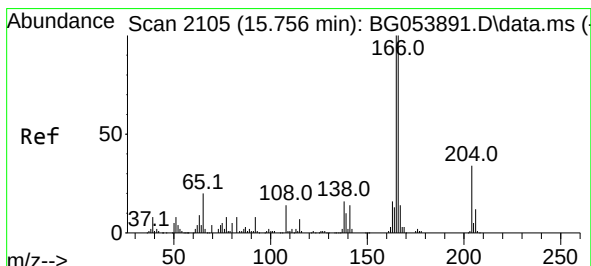
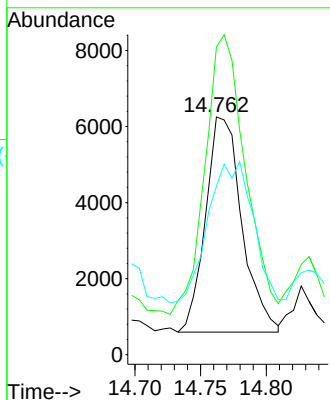
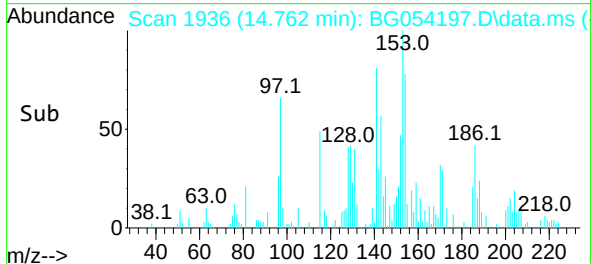
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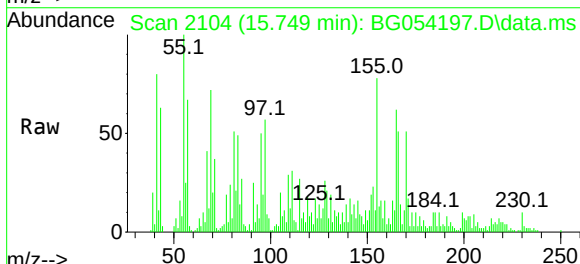
Tgt Ion:154 Resp: 1088
Ion Ratio Lower Upper
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153 129.4 92.7 139.1
152 70.9 42.6 64.0

Manual Integrations
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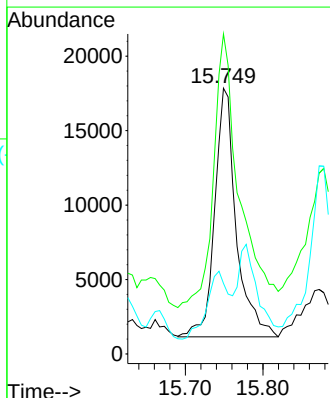
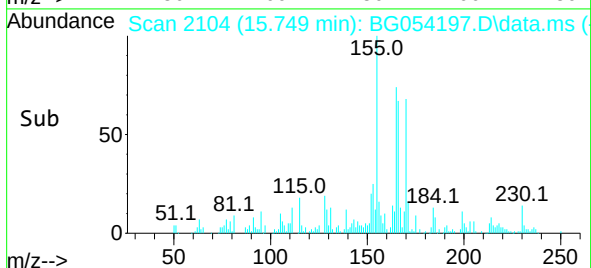
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

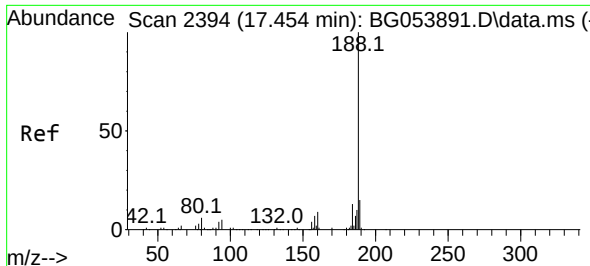


#58
Fluorene
Concen: 8.765 ng
RT: 15.749 min Scan# 2104
Delta R.T. 0.005 min
Lab File: BG054197.D
Acq: 1 Jul 2022 18:55



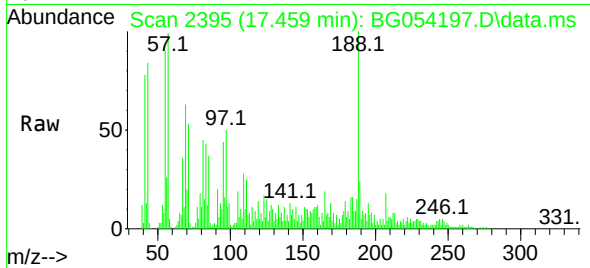
Tgt Ion:166 Resp: 32320
Ion Ratio Lower Upper
166 100
165 120.4 75.0 112.6#
167 26.6 10.8 16.2#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.459 min Scan# 21
Delta R.T. 0.017 min
Lab File: BG054197.D
Acq: 1 Jul 2022 18:55

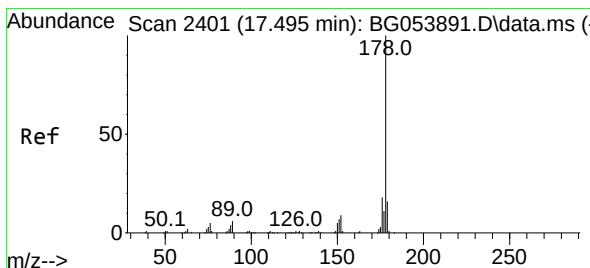
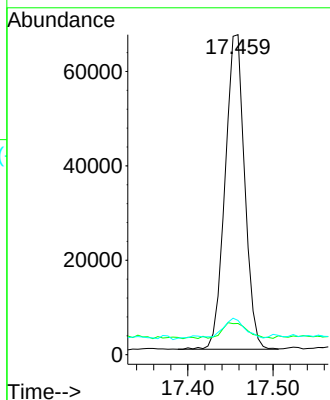
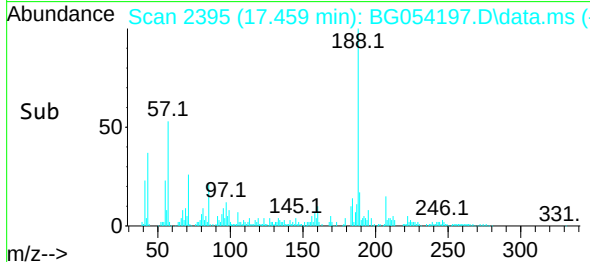
Instrument :
BNA_G
ClientSampleId :
WC-16-2-3



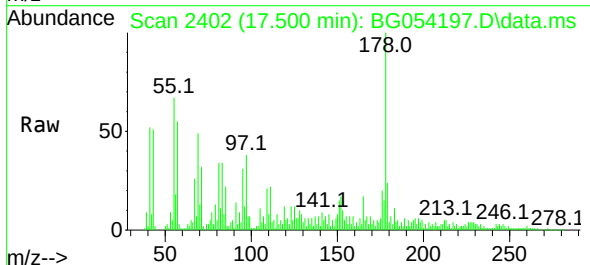
Tgt Ion:188 Resp: 106618
Ion Ratio Lower Upper
188 100
94 9.8 5.4 8.0
80 10.7 6.8 10.2

Manual Integrations
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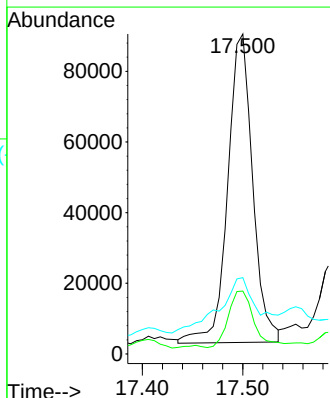
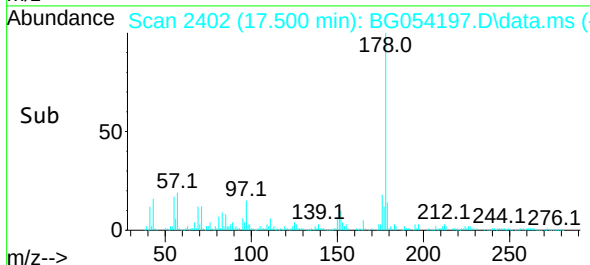
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

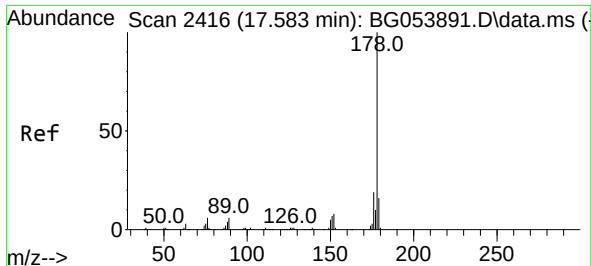


#71
Phenanthrene
Concen: 27.645 ng
RT: 17.500 min Scan# 2402
Delta R.T. 0.017 min
Lab File: BG054197.D
Acq: 1 Jul 2022 18:55



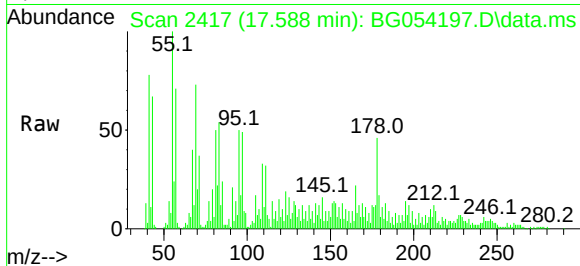
Tgt Ion:178 Resp: 151434
Ion Ratio Lower Upper
178 100
176 19.6 14.1 21.1
179 23.8 12.1 18.1





#72
 Anthracene
 Concen: 6.954 ng
 RT: 17.588 min Scan# 2416
 Delta R.T. 0.011 min
 Lab File: BG054197.D
 Acq: 1 Jul 2022 18:55

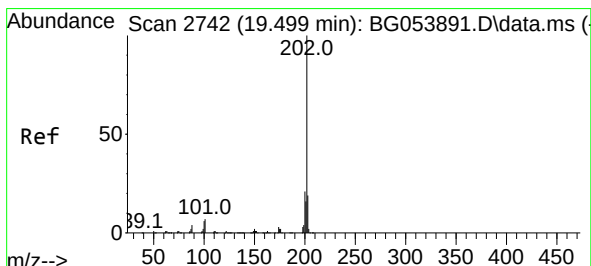
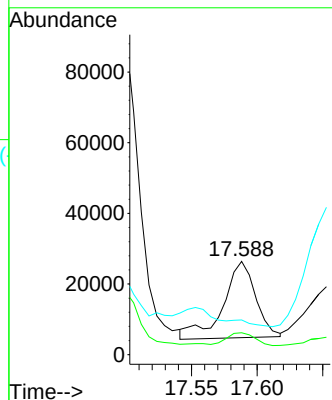
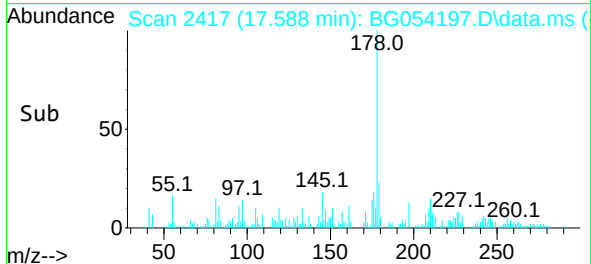
Instrument :
 BNA_G
 ClientSampleId :
 WC-16-2-3



Tgt Ion:178 Resp: 37190
 Ion Ratio Lower Upper
 178 100
 176 23.6 15.2 22.8
 179 37.2 13.0 19.4

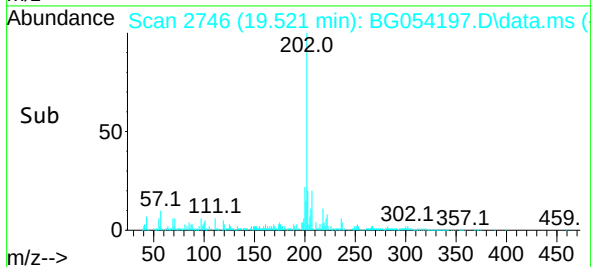
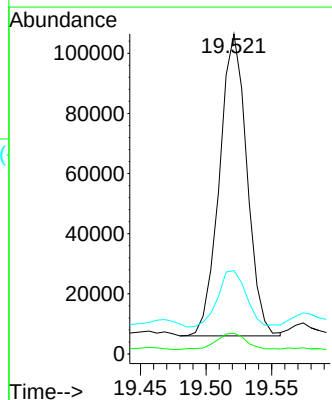
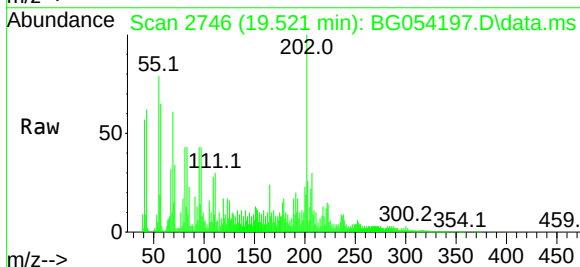
Manual Integrations
 APPROVED

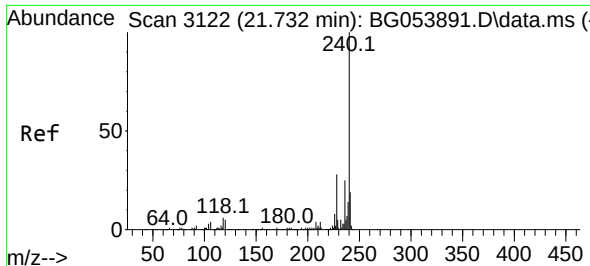
Reviewed By :Christian Giraldo 07/05/2022
 Supervised By :Jagrut Upadhyay 07/05/2022



#75
 Fluoranthene
 Concen: 20.327 ng
 RT: 19.521 min Scan# 2746
 Delta R.T. 0.029 min
 Lab File: BG054197.D
 Acq: 1 Jul 2022 18:55

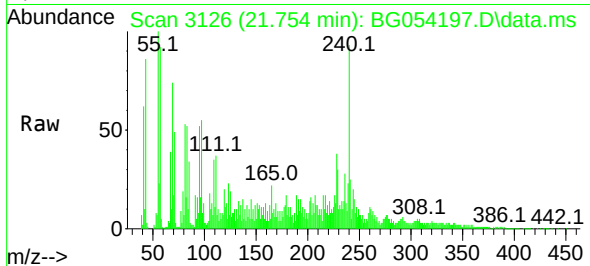
Tgt Ion:202 Resp: 146165
 Ion Ratio Lower Upper
 202 100
 101 6.5 0.0 26.9
 203 26.1 0.0 37.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.754 min Scan# 3126
Delta R.T. 0.035 min
Lab File: BG054197.D
Acq: 1 Jul 2022 18:55

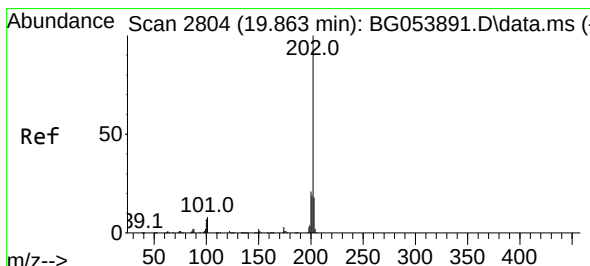
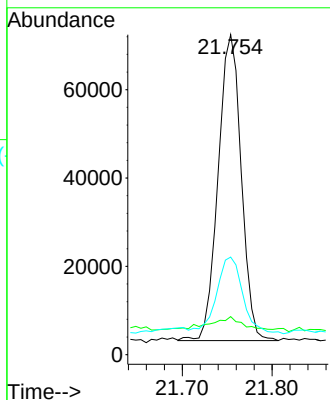
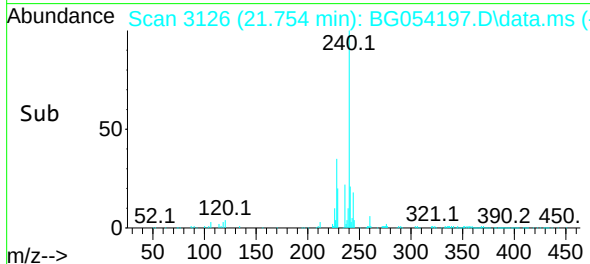
Instrument :
BNA_G
ClientSampleId :
WC-16-2-3



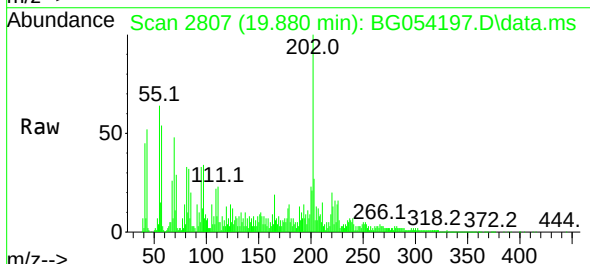
Tgt Ion:240 Resp: 123692
Ion Ratio Lower Upper
240 100
120 11.9 4.6 7.0
236 30.5 20.2 30.4

Manual Integrations
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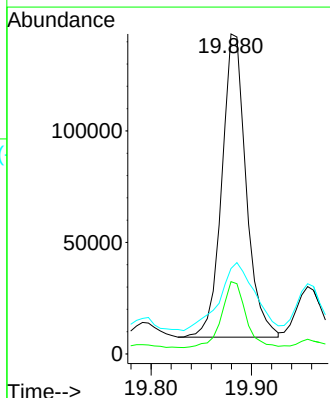
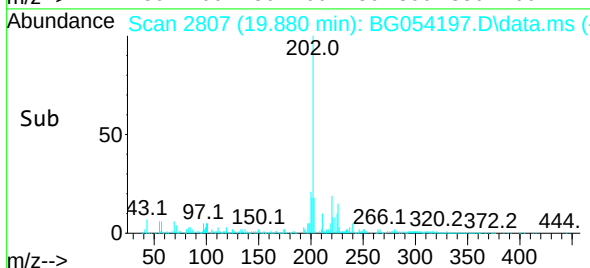
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

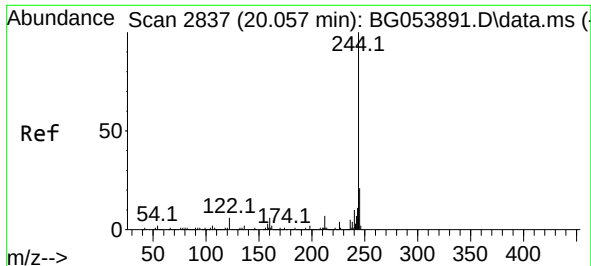


#78
Pyrene
Concen: 30.573 ng
RT: 19.880 min Scan# 2807
Delta R.T. 0.029 min
Lab File: BG054197.D
Acq: 1 Jul 2022 18:55



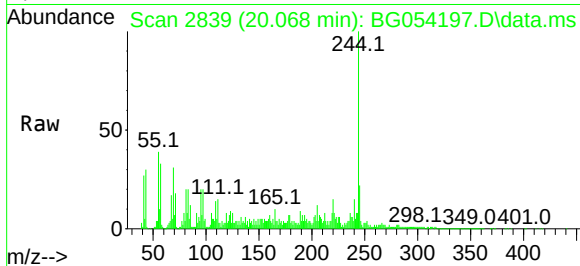
Tgt Ion:202 Resp: 228403
Ion Ratio Lower Upper
202 100
200 22.6 16.6 24.8
203 26.7 14.6 21.8





#79
 Terphenyl-d14
 Concen: 56.265 ng
 RT: 20.068 min Scan# 21
 Delta R.T. 0.023 min
 Lab File: BG054197.D
 Acq: 1 Jul 2022 18:55

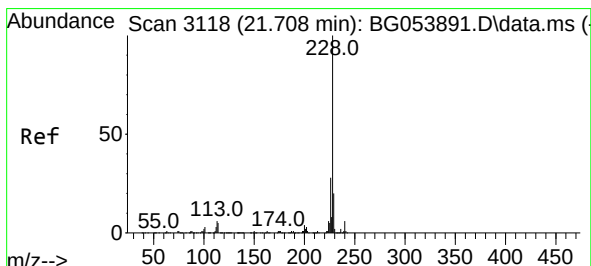
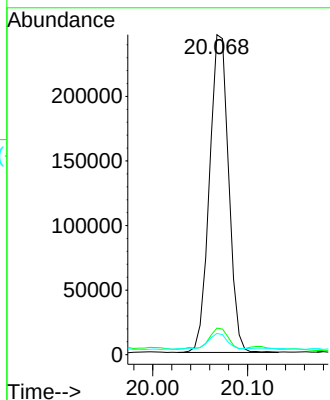
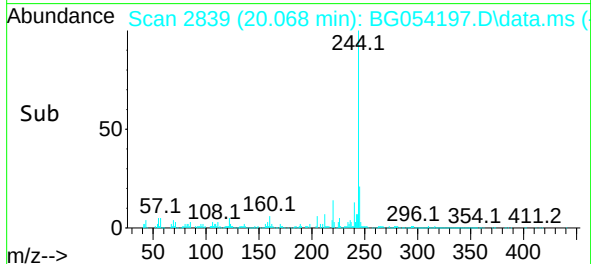
Instrument :
 BNA_G
 ClientSampleId :
 WC-16-2-3



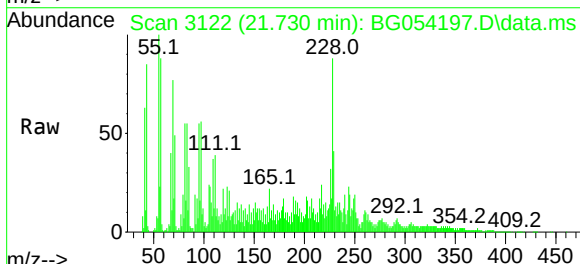
Tgt Ion:244 Resp: 34554
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.5 9.7
 122 6.7 5.0 7.4

Manual Integrations
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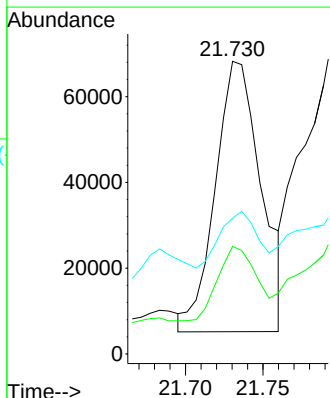
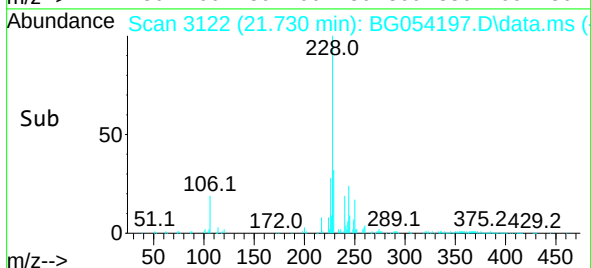
Reviewed By :Christian Giraldo 07/05/2022
 Supervised By :Jagrut Upadhyay 07/05/2022

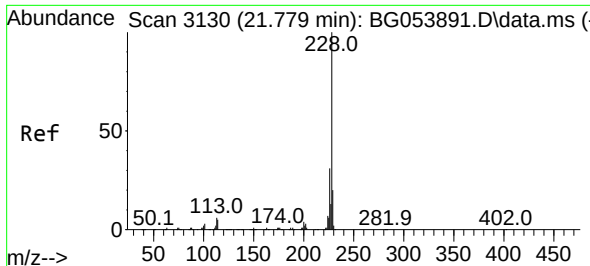


#81
 Benzo(a)anthracene
 Concen: 16.202 ng
 RT: 21.730 min Scan# 3122
 Delta R.T. 0.035 min
 Lab File: BG054197.D
 Acq: 1 Jul 2022 18:55



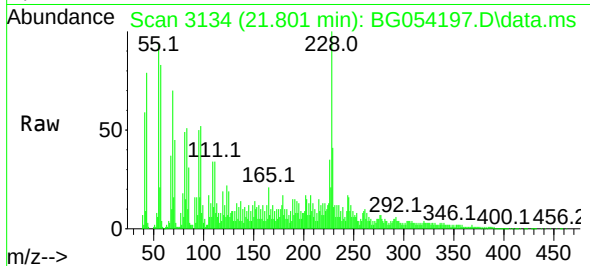
Tgt Ion:228 Resp: 129763
 Ion Ratio Lower Upper
 228 100
 226 36.8 21.6 32.4#
 229 46.3 16.2 24.2#





#83
Chrysene
Concen: 24.933 ng
RT: 21.801 min Scan# 3130
Delta R.T. 0.041 min
Lab File: BG054197.D
Acq: 1 Jul 2022 18:55

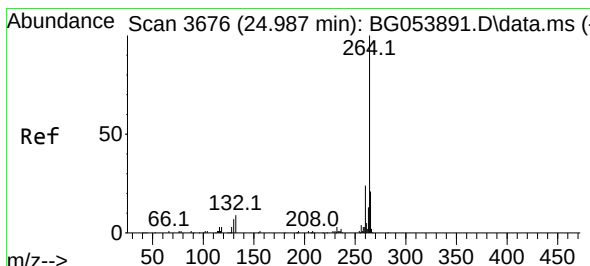
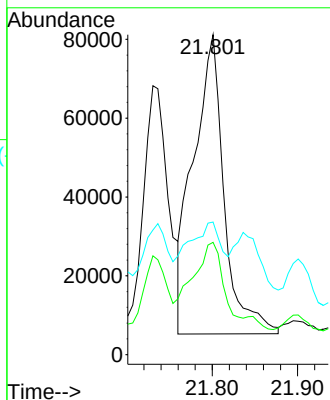
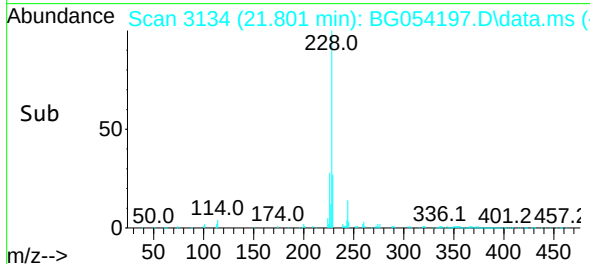
Instrument :
BNA_G
ClientSampleId :
WC-16-2-3



Tgt Ion:228 Resp: 19033
Ion Ratio Lower Upper
228 100
226 35.1 23.4 35.2
229 41.5 15.5 23.3

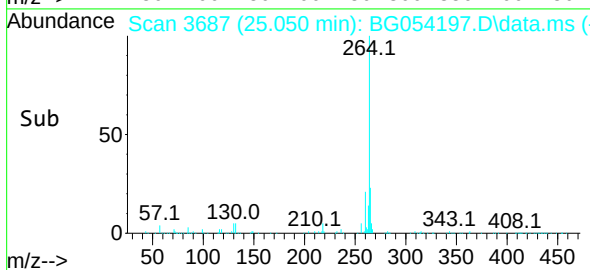
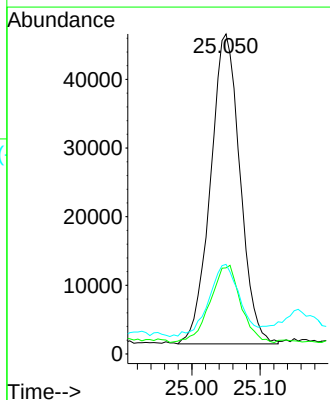
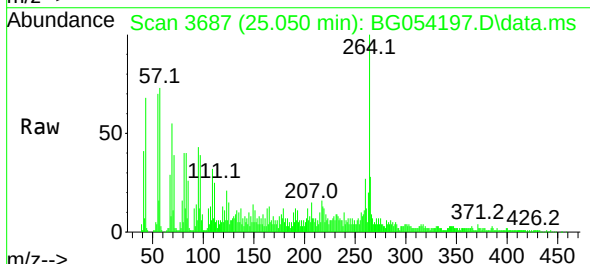
Manual Integrations
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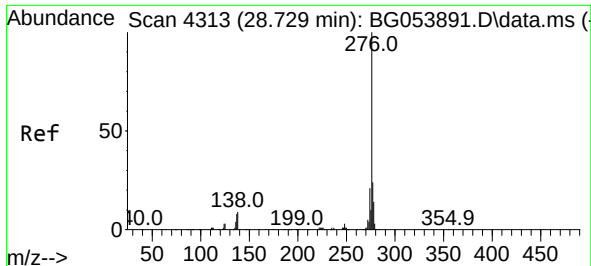
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.050 min Scan# 3687
Delta R.T. 0.088 min
Lab File: BG054197.D
Acq: 1 Jul 2022 18:55

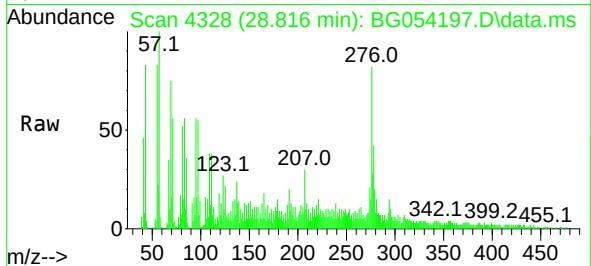
Tgt Ion:264 Resp: 136181
Ion Ratio Lower Upper
264 100
260 26.9 19.0 28.6
265 28.0 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.604 ng
RT: 28.816 min Scan# 41
Delta R.T. 0.129 min
Lab File: BG054197.D
Acq: 1 Jul 2022 18:55

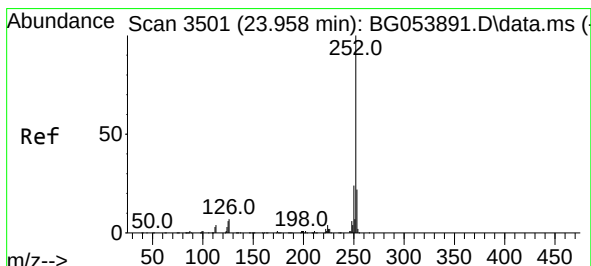
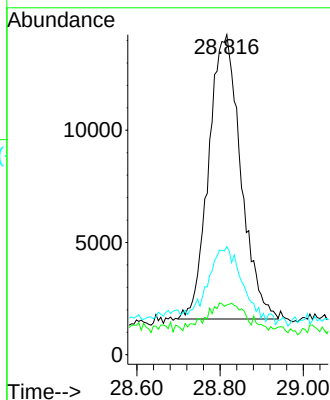
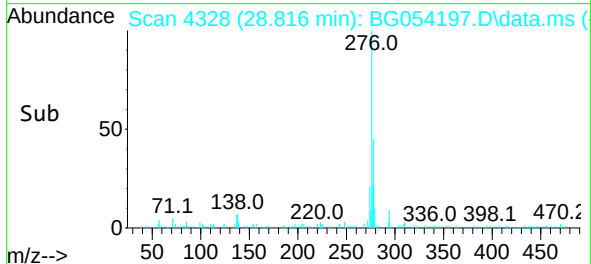
Instrument :
BNA_G
ClientSampleId :
WC-16-2-3



Tgt Ion:276 Resp: 6787
Ion Ratio Lower Upper
276 100
138 2.9 5.0 7.4#
277 27.2 20.3 30.5

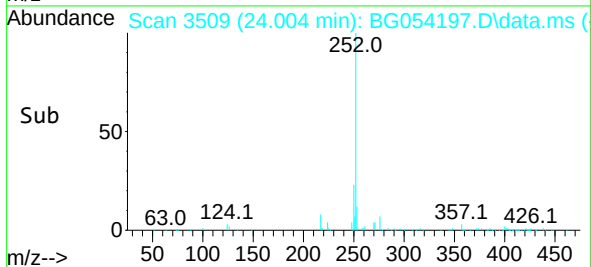
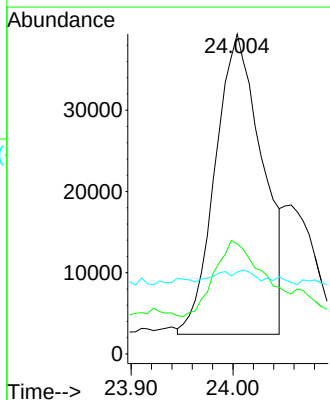
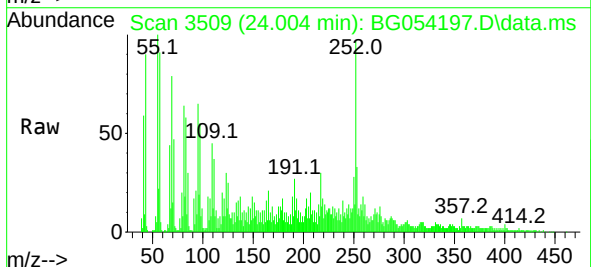
Manual Integrations
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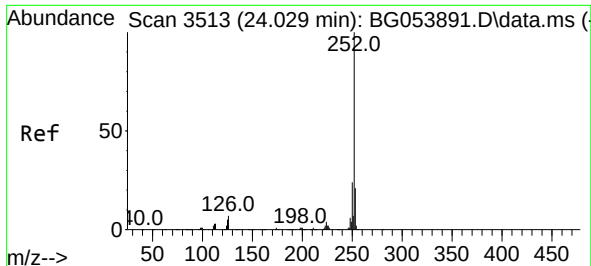
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022



#88
Benzo(b)fluoranthene
Concen: 14.330 ng m
RT: 24.004 min Scan# 3509
Delta R.T. 0.070 min
Lab File: BG054197.D
Acq: 1 Jul 2022 18:55

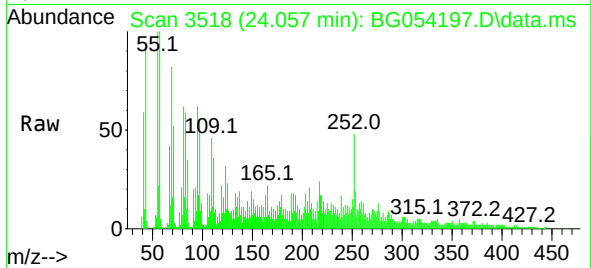
Tgt Ion:252 Resp: 118657
Ion Ratio Lower Upper
252 100
253 34.4 18.0 27.0#
125 25.6 4.6 6.8#





#89
Benzo(k)fluoranthene
Concen: 3.878 ng m
RT: 24.057 min Scan# 3513
Delta R.T. 0.052 min
Lab File: BG054197.D
Acq: 1 Jul 2022 18:55

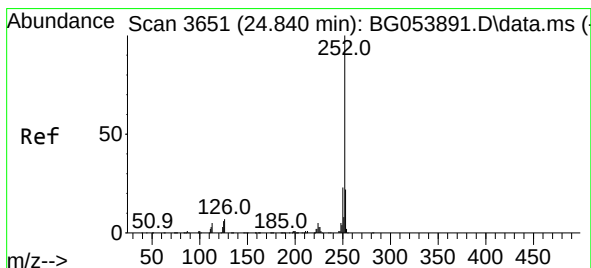
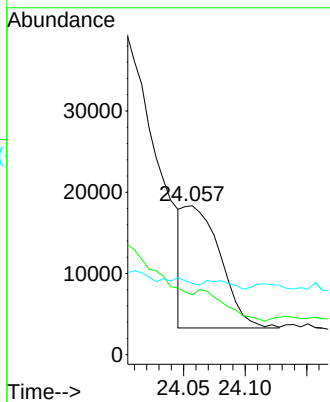
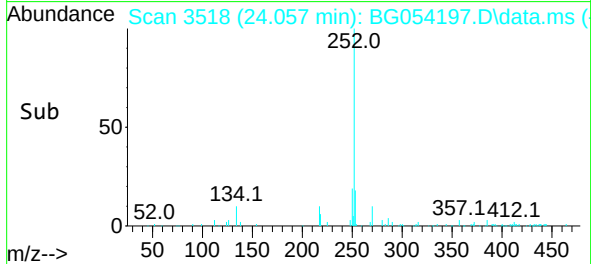
Instrument :
BNA_G
ClientSampleId :
WC-16-2-3



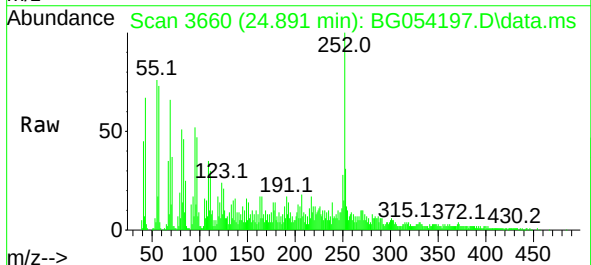
Tgt Ion:252 Resp: 31790
Ion Ratio Lower Upper
252 100
253 40.2 18.4 27.6
125 48.0 4.8 7.2

Manual Integrations
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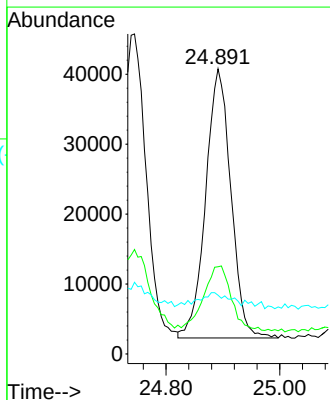
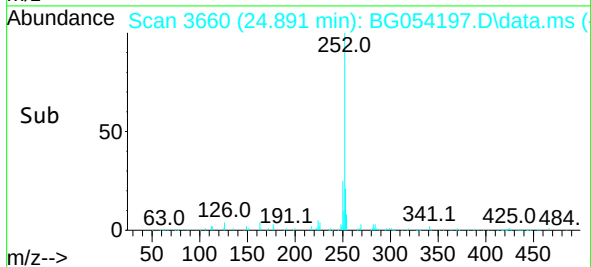
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

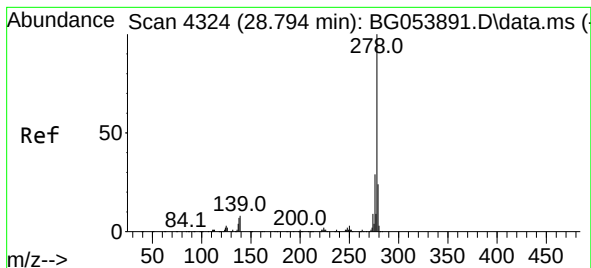


#90
Benzo(a)pyrene
Concen: 16.971 ng
RT: 24.891 min Scan# 3660
Delta R.T. 0.076 min
Lab File: BG054197.D
Acq: 1 Jul 2022 18:55



Tgt Ion:252 Resp: 118564
Ion Ratio Lower Upper
252 100
253 30.6 17.8 26.8#
125 20.6 4.3 6.5#





#91

Dibenzo(a,h)anthracene

Concen: 4.735 ng

RT: 28.851 min Scan# 41

Delta R.T. 0.105 min

Lab File: BG054197.D

Acq: 1 Jul 2022 18:55

Instrument :

BNA_G

ClientSampleId :

WC-16-2-3

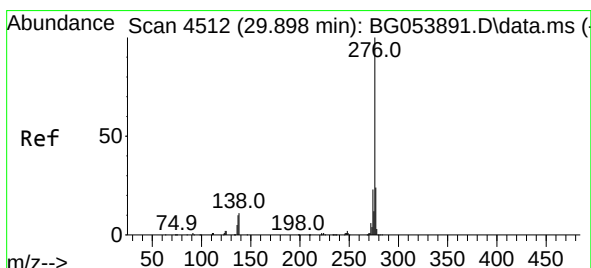
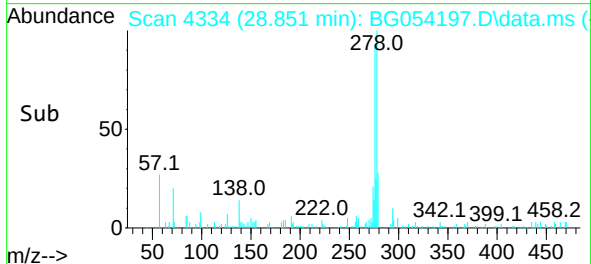
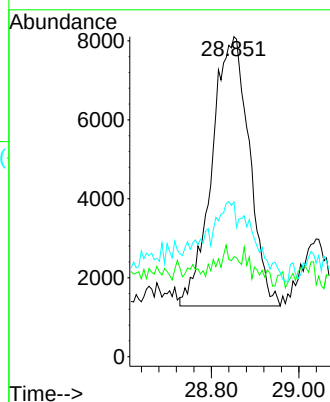
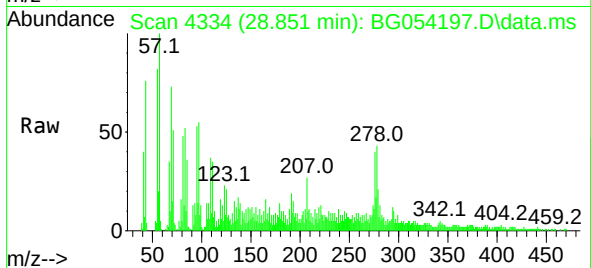
Tgt Ion:	278	Resp:	4024
Ion Ratio	Lower	Upper	
278	100		
139	31.2	7.2	10.8
279	48.4	18.6	27.8

Manual Integrations

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Reviewed By :Christian Giraldo 07/05/2022

Supervised By :Jagrut Upadhyay 07/05/2022



#92

Benzo(g,h,i)perylene

Concen: 11.780 ng

RT: 29.985 min Scan# 4527

Delta R.T. 0.123 min

Lab File: BG054197.D

Acq: 1 Jul 2022 18:55

Tgt Ion:	276	Resp:	98796
Ion Ratio	Lower	Upper	
276	100		
277	28.8	17.3	25.9
138	12.9	9.6	14.4

