

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062722\
 Data File : BG054111.D
 Acq On : 28 Jun 2022 3:38
 Operator : CG/JU
 Sample : N3494-16 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-EXC-1-6

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/28/2022
 Supervised By : Jagrut Upadhyay 06/28/2022

Quant Time: Jun 28 06:22:23 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	8.077	152	36070	20.000	ng	0.00
21) Naphthalene-d8	10.892	136	141078	20.000	ng	# 0.01
39) Acenaphthene-d10	14.705	164	91210	20.000	ng	0.00
64) Phenanthrene-d10	17.449	188	193999	20.000	ng	# 0.00
76) Chrysene-d12	21.732	240	200819	20.000	ng	# 0.01
86) Perylene-d12	25.016	264	199459	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.645	112	80149	42.483	ng	0.00
7) Phenol-d6	7.237	99	109154	42.650	ng	0.00
23) Nitrobenzene-d5	9.235	82	75109	29.918	ng	0.00
42) 2,4,6-Tribromophenol	16.191	330	51504	35.146	ng	0.00
45) 2-Fluorobiphenyl	13.330	172	178866	28.516	ng	0.00
79) Terphenyl-d14	20.057	244	280735	28.156	ng	0.01
Target Compounds						Qvalue
13) 1,4-Dichlorobenzene	8.112	146	20593	8.122	ng	97
14) 1,2-Dichlorobenzene	8.436	146	32994	13.555	ng	96
31) Naphthalene	10.956	128	2808329	394.319	ng	# 92
37) 2-Methylnaphthalene	12.543	142	44273	8.402	ng	96
38) 1-Methylnaphthalene	12.760	142	67976	13.249	ng	# 97
71) Phenanthrene	17.496	178	33255	3.336	ng	# 76
75) Fluoranthene	19.505	202	35375	2.704	ng	79
78) Pyrene	19.863	202	67921	5.600	ng	# 87
81) Benzo(a)anthracene	21.714	228	39710	3.054	ng	# 65
83) Chrysene	21.779	228	65661	5.298	ng	# 71
84) Bis(2-ethylhexyl)phtha...	21.614	149	16220	2.917	ng	# 68
88) Benzo(b)fluoranthene	23.976	252	50897m	4.197	ng	
90) Benzo(a)pyrene	24.863	252	45520	4.449	ng	# 56

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

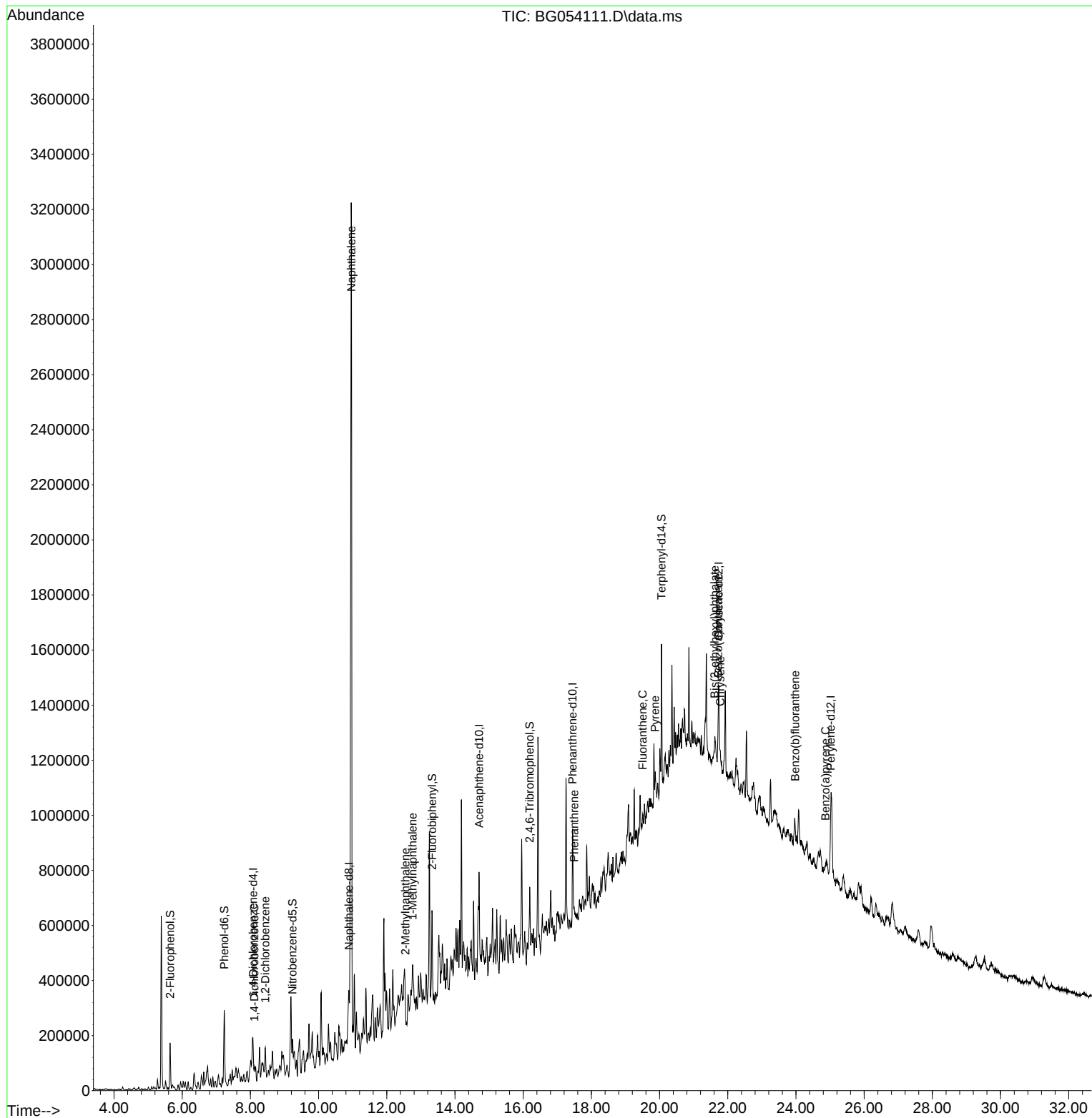
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062722\
Data File : BG054111.D
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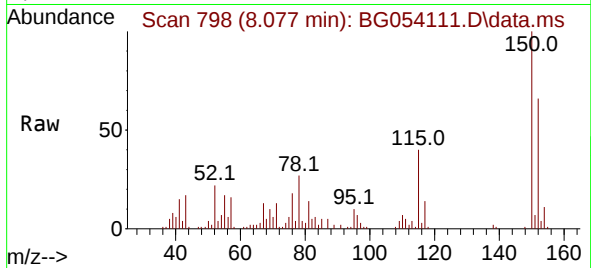
Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.077 min Scan# 79
Delta R.T. 0.007 min
Lab File: BG054111.D
Acq: 28 Jun 2022 3:38

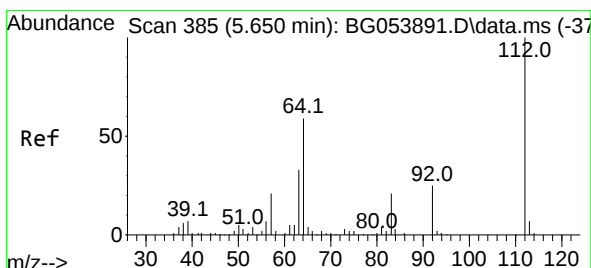
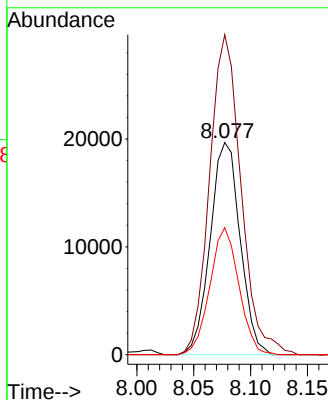
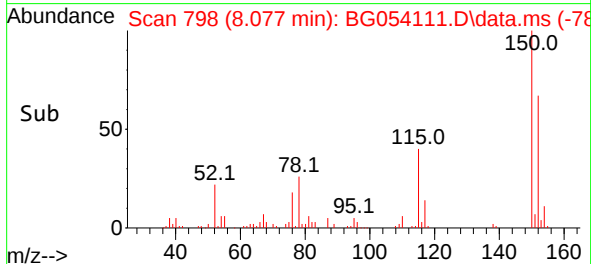
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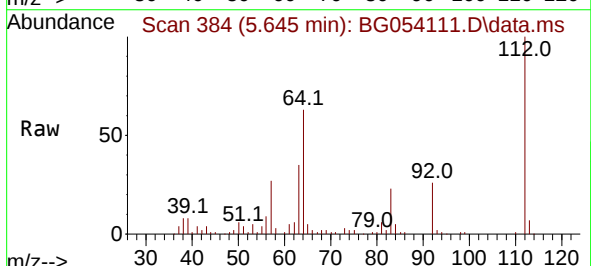
Tgt Ion:152 Resp: 36070
Ion Ratio Lower Upper
152 100
150 150.8 131.6 197.4
115 59.8 50.9 76.3

Manual Integrations
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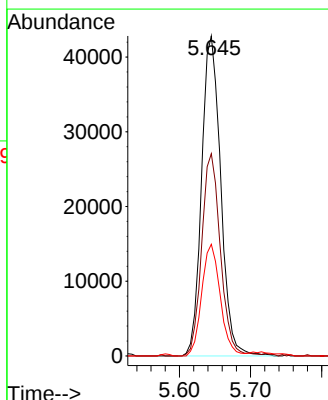
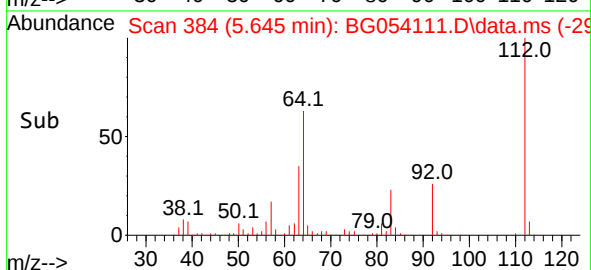
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Supervised By :Jagrut Upadhyay 06/28/2022



#5
2-Fluorophenol
Concen: 42.483 ng
RT: 5.645 min Scan# 384
Delta R.T. 0.007 min
Lab File: BG054111.D
Acq: 28 Jun 2022 3:38



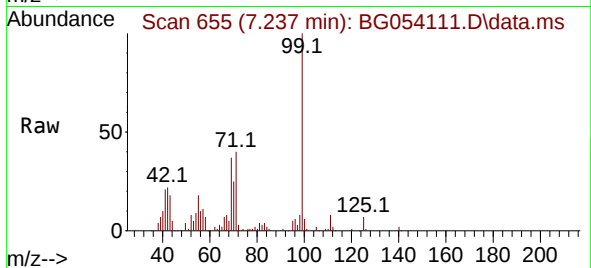
Tgt Ion:112 Resp: 80149
Ion Ratio Lower Upper
112 100
64 63.2 55.1 82.7
63 34.9 30.4 45.6





#7
Phenol-d6
Concen: 42.650 ng
RT: 7.237 min Scan# 61
Delta R.T. 0.007 min
Lab File: BG054111.D
Acq: 28 Jun 2022 3:38

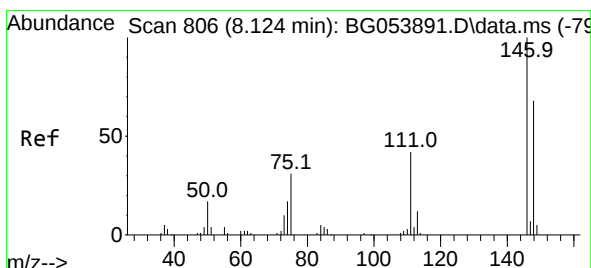
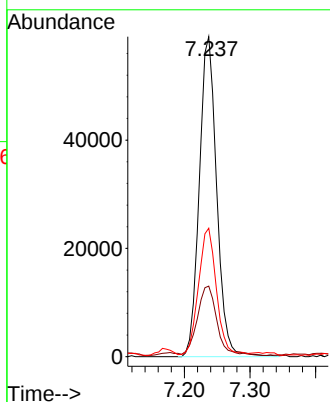
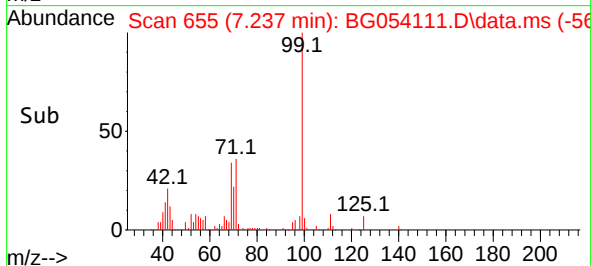
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-6



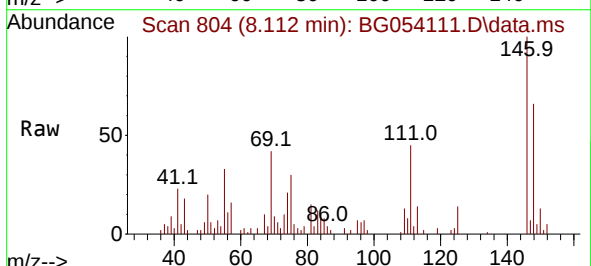
Tgt Ion: 99 Resp: 109154
Ion Ratio Lower Upper
99 100
42 22.0 17.0 25.6
71 40.2 33.8 50.8

Manual Integrations
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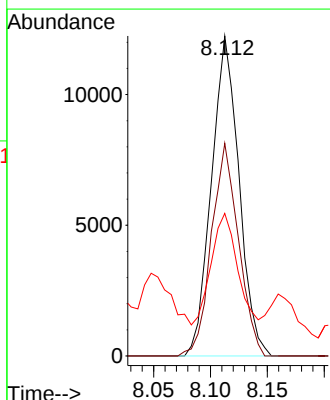
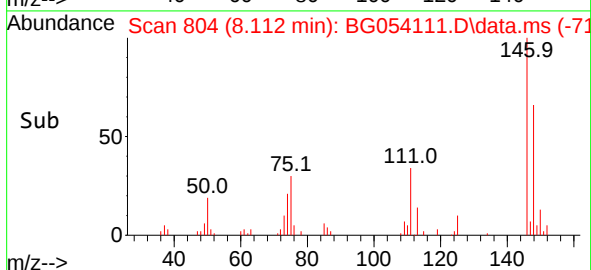
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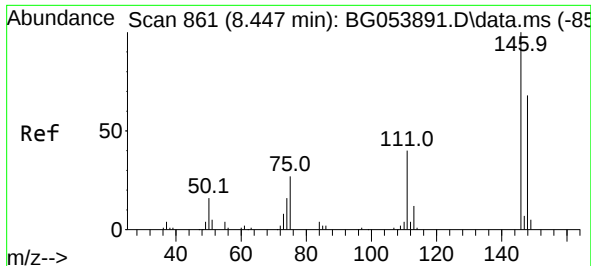


#13
1,4-Dichlorobenzene
Concen: 8.122 ng
RT: 8.112 min Scan# 804
Delta R.T. 0.007 min
Lab File: BG054111.D
Acq: 28 Jun 2022 3:38



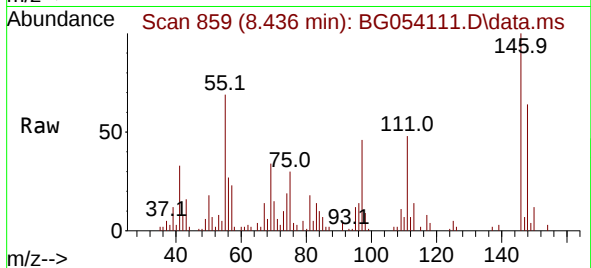
Tgt Ion:146 Resp: 20593
Ion Ratio Lower Upper
146 100
148 66.5 51.5 77.3
111 44.5 33.9 50.9





#14
1,2-Dichlorobenzene
Concen: 13.555 ng
RT: 8.436 min Scan# 8
Delta R.T. 0.007 min
Lab File: BG054111.D
Acq: 28 Jun 2022 3:38

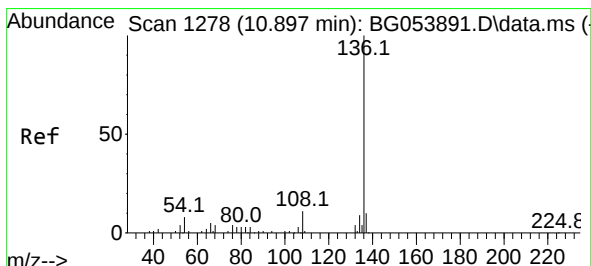
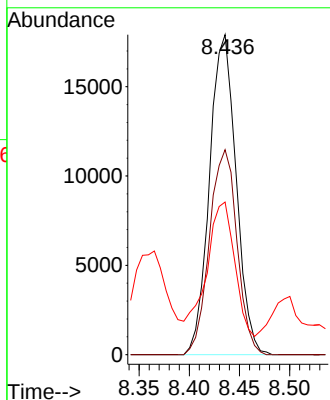
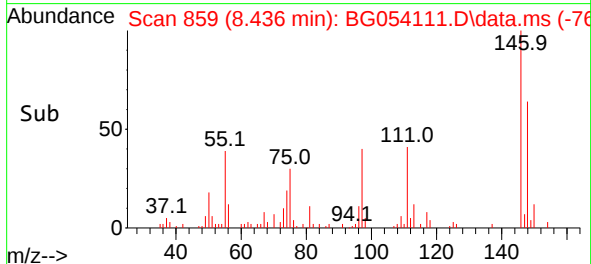
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-6



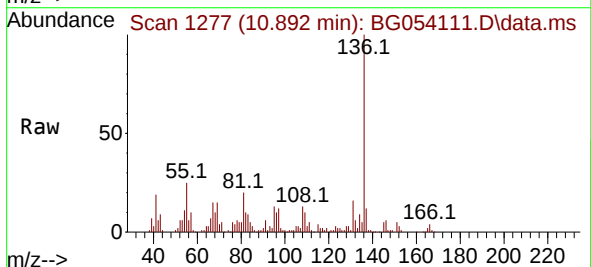
Tgt Ion:146 Resp: 32994
Ion Ratio Lower Upper
146 100
148 64.1 52.6 78.8
111 47.7 34.5 51.7

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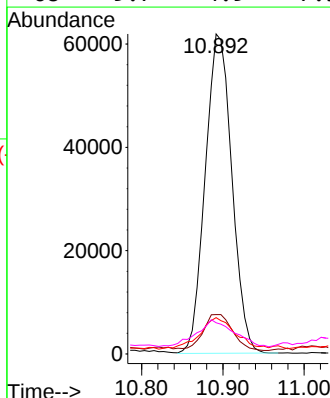
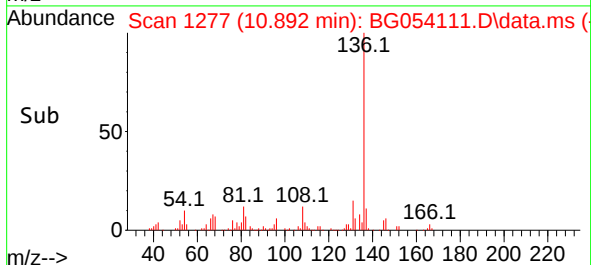
Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022

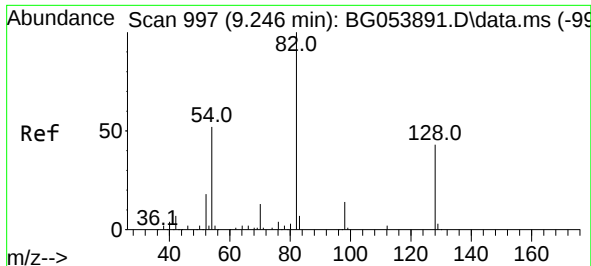


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.892 min Scan# 1277
Delta R.T. 0.013 min
Lab File: BG054111.D
Acq: 28 Jun 2022 3:38



Tgt Ion:136 Resp: 141078
Ion Ratio Lower Upper
136 100
137 12.3 8.5 12.7
54 11.3 7.4 11.2#
68 9.7 4.9 7.3#





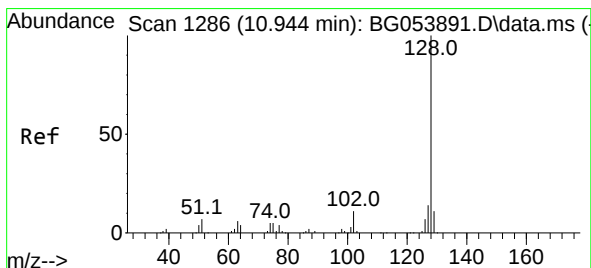
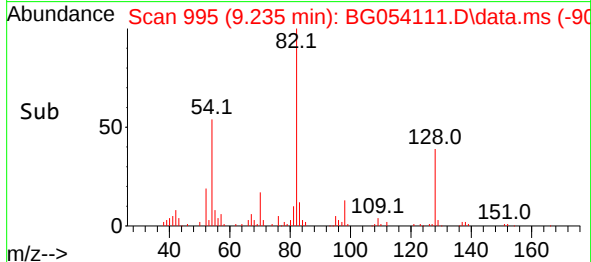
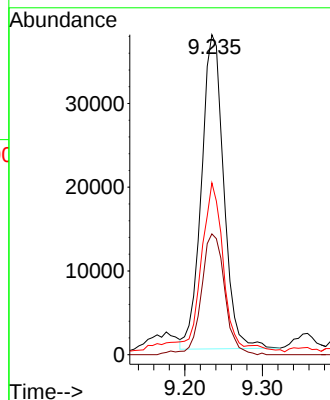
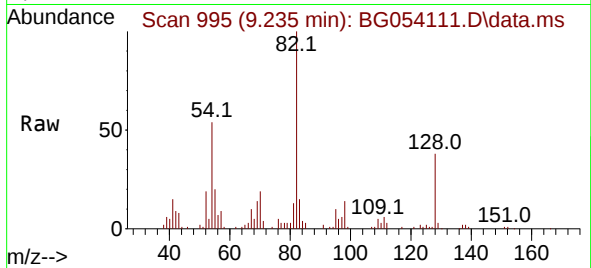
#23
Nitrobenzene-d5
Concen: 29.918 ng
RT: 9.235 min Scan# 995
Delta R.T. 0.001 min
Lab File: BG054111.D
Acq: 28 Jun 2022 3:38

Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-6

Tgt Ion: 82 Resp: 75109
Ion Ratio Lower Upper
82 100
128 37.8 27.9 41.9
54 53.7 41.2 61.8

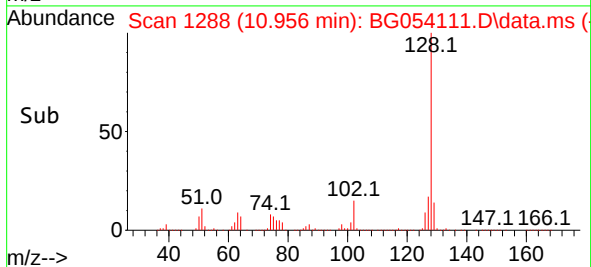
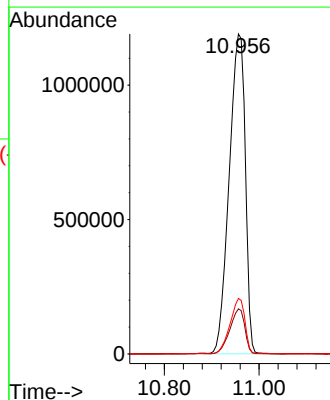
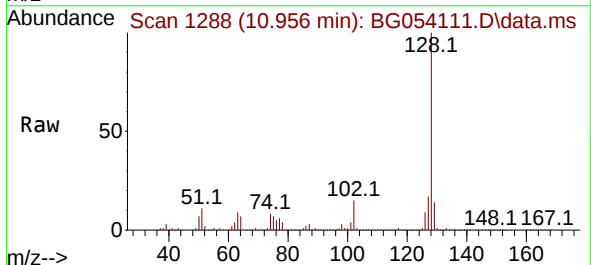
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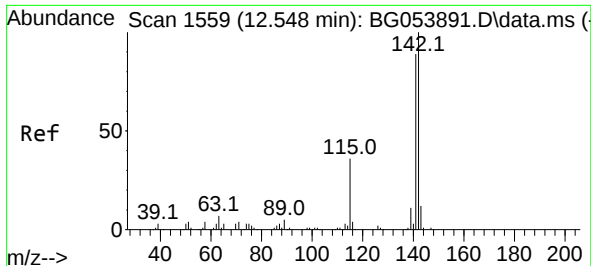
Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#31
Naphthalene
Concen: 394.319 ng
RT: 10.956 min Scan# 1288
Delta R.T. 0.024 min
Lab File: BG054111.D
Acq: 28 Jun 2022 3:38

Tgt Ion:128 Resp: 2808329
Ion Ratio Lower Upper
128 100
129 14.1 9.0 13.6#
127 17.4 11.1 16.7#





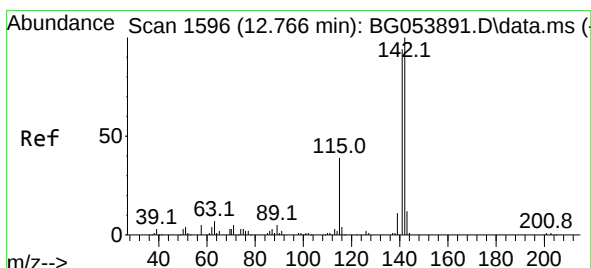
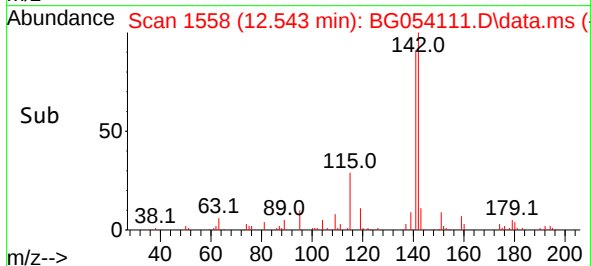
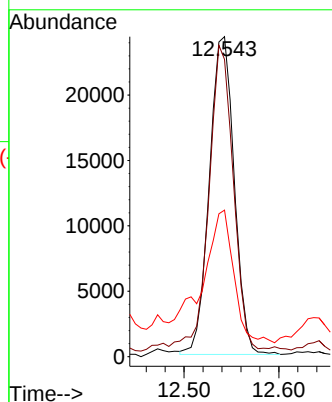
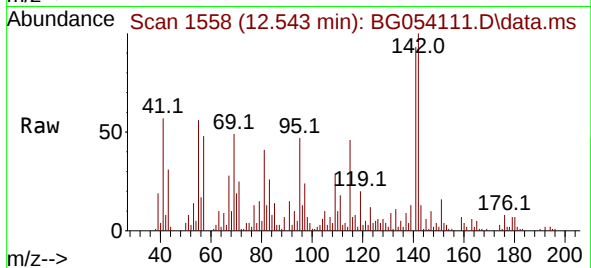
#37
2-Methylnaphthalene
Concen: 8.402 ng
RT: 12.543 min Scan# 1559
Delta R.T. 0.013 min
Lab File: BG054111.D
Acq: 28 Jun 2022 3:38

Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-6

Tgt Ion:142 Resp: 4427
Ion Ratio Lower Upper
142 100
141 92.9 72.3 108.5
115 45.8 33.7 50.5

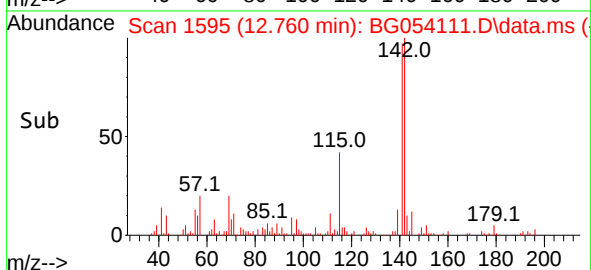
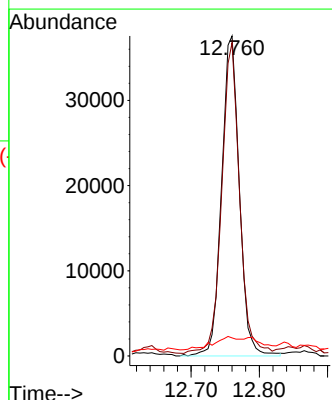
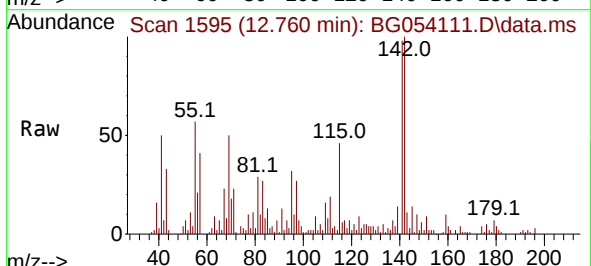
Manual Integrations
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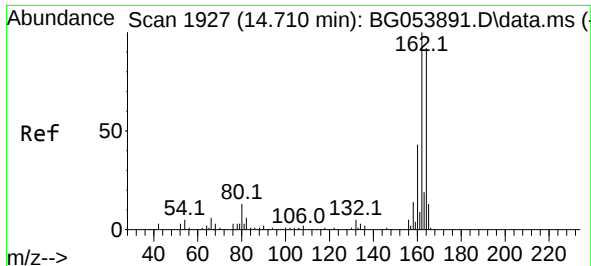
Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#38
1-Methylnaphthalene
Concen: 13.249 ng
RT: 12.760 min Scan# 1595
Delta R.T. 0.013 min
Lab File: BG054111.D
Acq: 28 Jun 2022 3:38

Tgt Ion:142 Resp: 67976
Ion Ratio Lower Upper
142 100
141 97.9 76.4 114.6
116 5.6 3.3 4.9#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.705 min Scan# 1927
Delta R.T. 0.007 min
Lab File: BG054111.D
Acq: 28 Jun 2022 3:38

Instrument :

BNA_G

ClientSampleId :

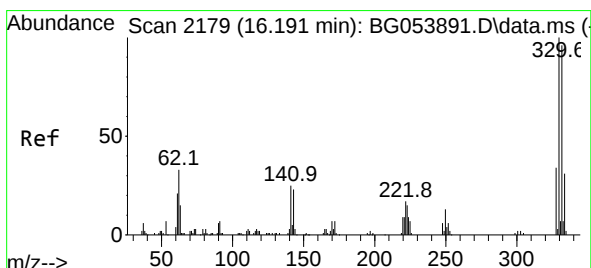
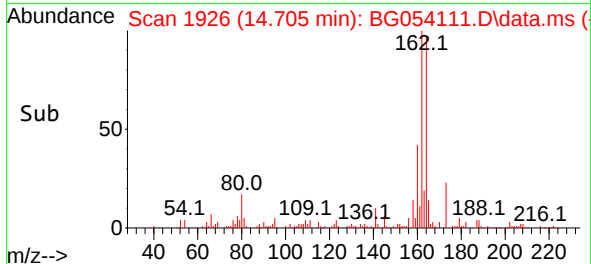
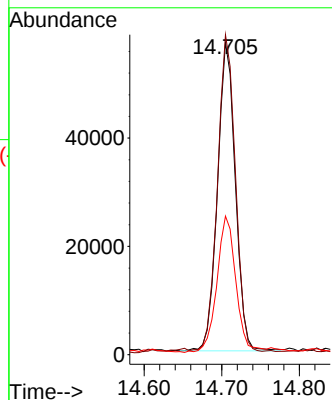
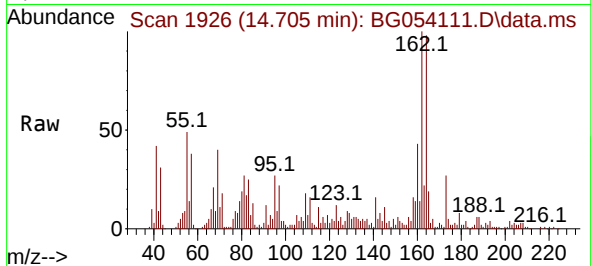
SP-EXC-1-6

Tgt Ion:164 Resp: 91210
Ion Ratio Lower Upper
164 100
162 102.5 82.3 123.5
160 44.4 34.2 51.2

Manual Integrations

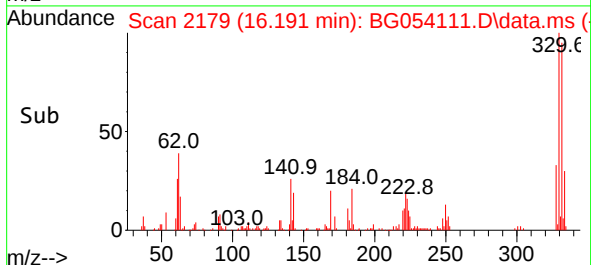
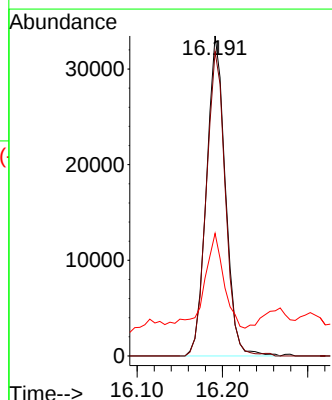
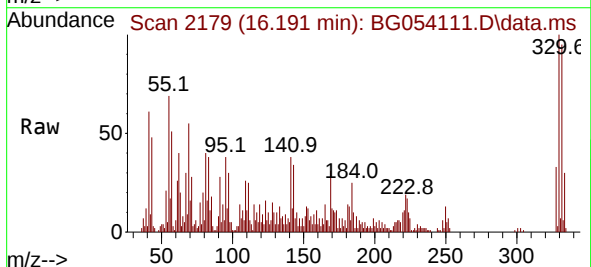
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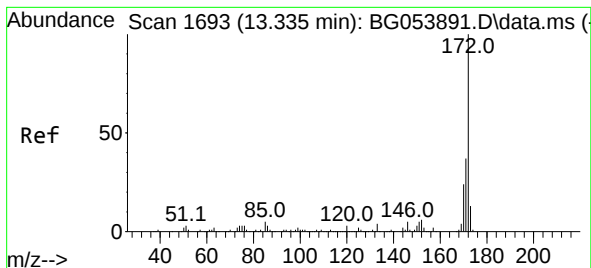
Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#42
2,4,6-Tribromophenol
Concen: 35.146 ng
RT: 16.191 min Scan# 2179
Delta R.T. 0.007 min
Lab File: BG054111.D
Acq: 28 Jun 2022 3:38

Tgt Ion:330 Resp: 51504
Ion Ratio Lower Upper
330 100
332 96.2 76.0 114.0
141 30.1 27.1 40.7





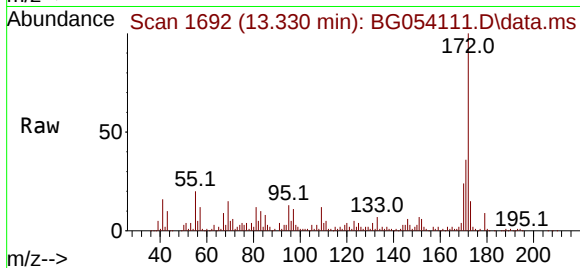
#45
2-Fluorobiphenyl
Concen: 28.516 ng
RT: 13.330 min Scan# 1
Delta R.T. 0.007 min
Lab File: BG054111.D
Acq: 28 Jun 2022 3:38

Instrument :

BNA_G

ClientSampleId :

SP-EXC-1-6

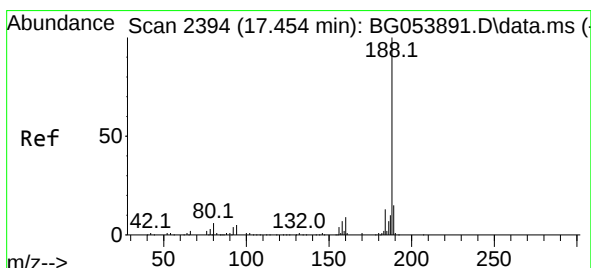
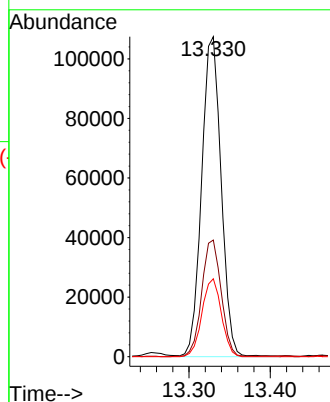
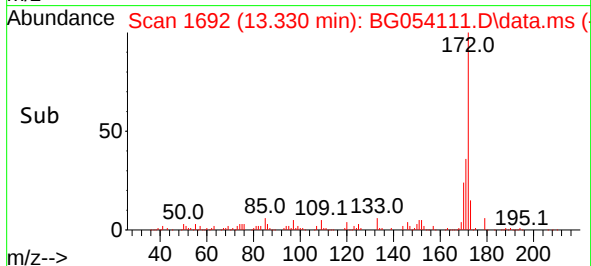


Tgt Ion:172 Resp: 178860
Ion Ratio Lower Upper
172 100
171 36.5 28.5 42.7
170 24.3 18.9 28.3

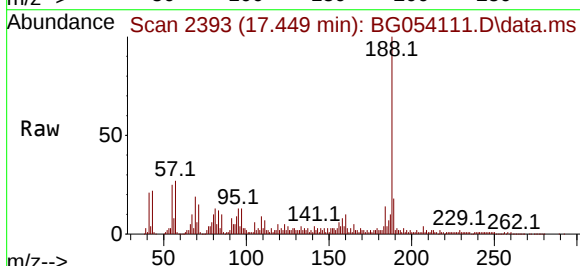
Manual Integrations

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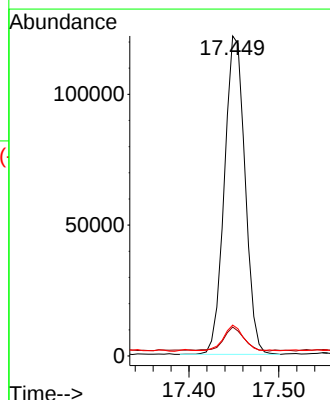
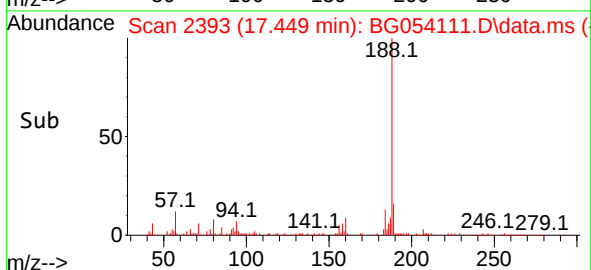
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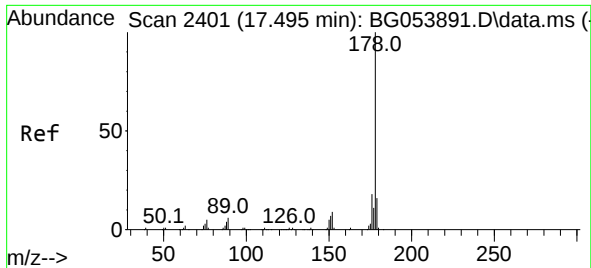


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.449 min Scan# 2393
Delta R.T. 0.007 min
Lab File: BG054111.D
Acq: 28 Jun 2022 3:38



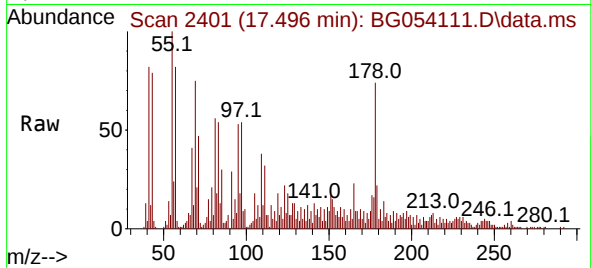
Tgt Ion:188 Resp: 193999
Ion Ratio Lower Upper
188 100
94 9.1 5.4 8.0#
80 9.7 6.8 10.2





#71
Phenanthrene
Concen: 3.336 ng
RT: 17.496 min Scan# 2401
Delta R.T. 0.013 min
Lab File: BG054111.D
Acq: 28 Jun 2022 3:38

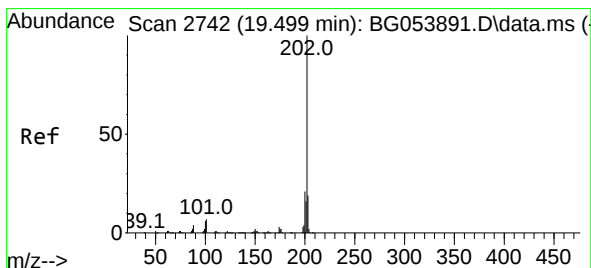
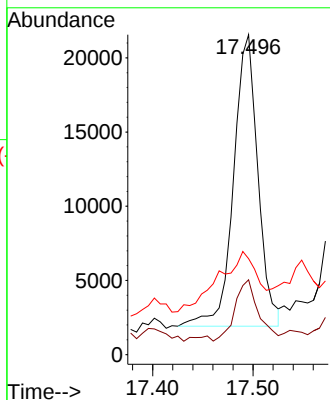
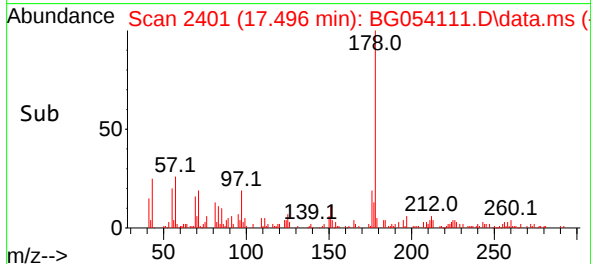
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-6



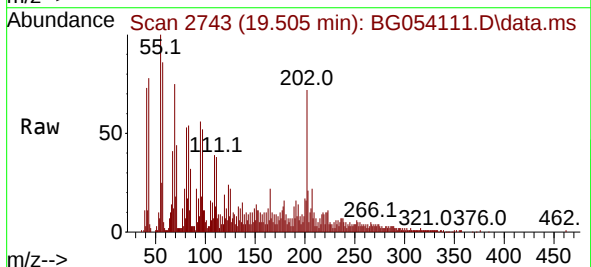
Tgt Ion:178 Resp: 3325
Ion Ratio Lower Upper
178 100
176 23.4 14.1 21.1
179 30.0 12.1 18.1

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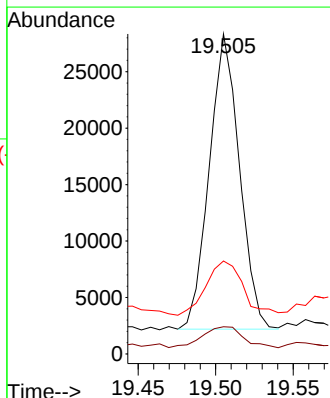
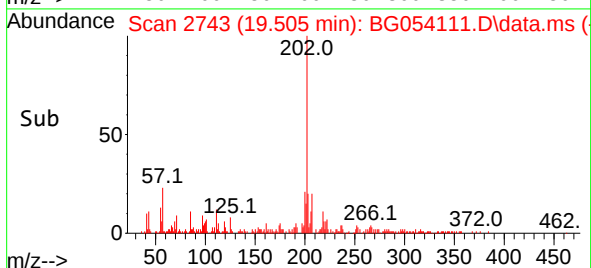
Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022

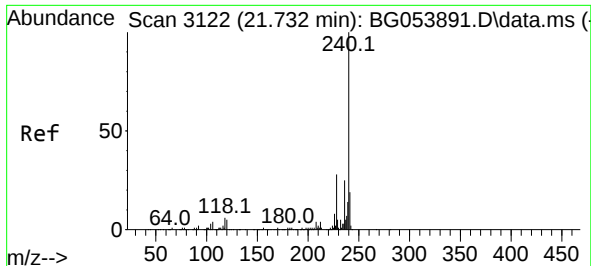


#75
Fluoranthene
Concen: 2.704 ng
RT: 19.505 min Scan# 2743
Delta R.T. 0.013 min
Lab File: BG054111.D
Acq: 28 Jun 2022 3:38



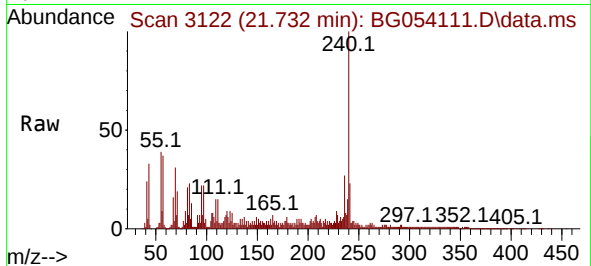
Tgt Ion:202 Resp: 35375
Ion Ratio Lower Upper
202 100
101 8.5 0.0 26.9
203 29.1 0.0 37.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.732 min Scan# 3122
Delta R.T. 0.013 min
Lab File: BG054111.D
Acq: 28 Jun 2022 3:38

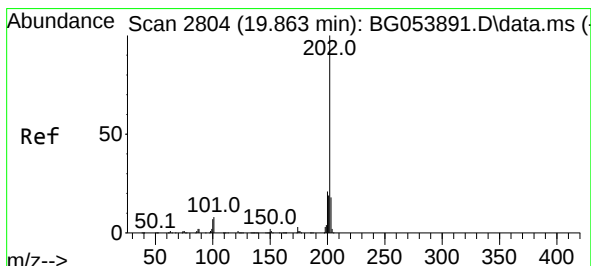
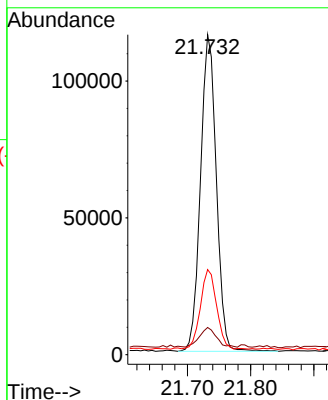
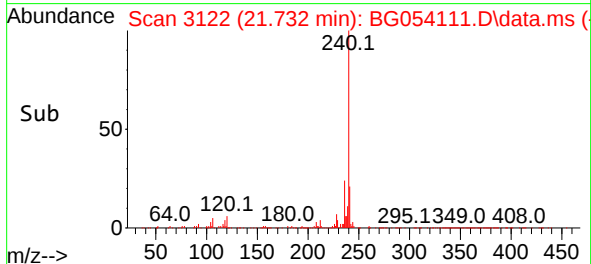
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-6



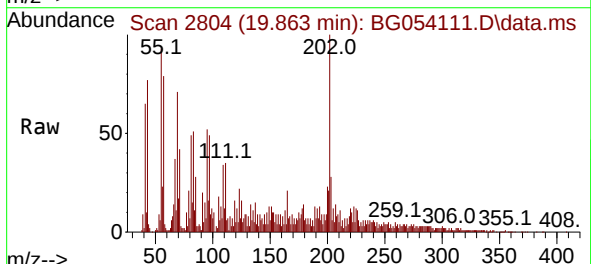
Tgt Ion:240 Resp: 200819
Ion Ratio Lower Upper
240 100
120 8.5 4.6 7.0
236 26.6 20.2 30.4

Manual Integrations
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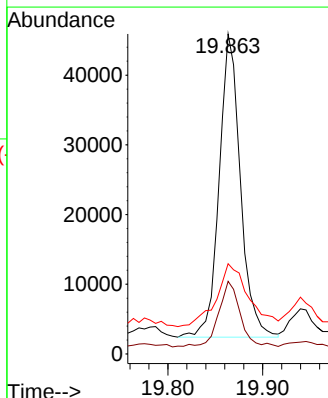
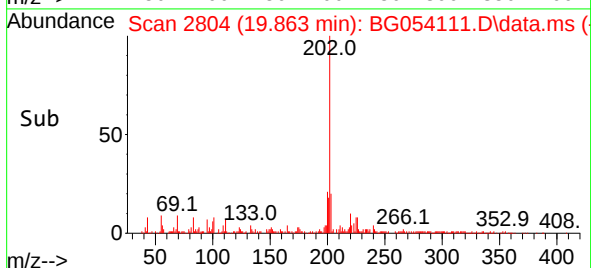
Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022

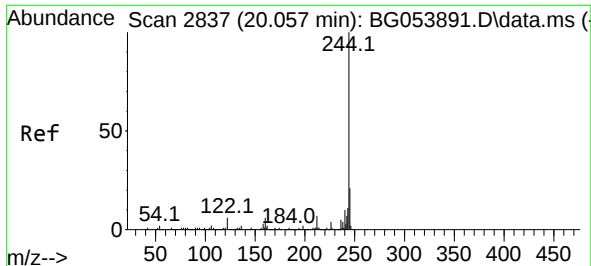


#78
Pyrene
Concen: 5.600 ng
RT: 19.863 min Scan# 2804
Delta R.T. 0.013 min
Lab File: BG054111.D
Acq: 28 Jun 2022 3:38



Tgt Ion:202 Resp: 67921
Ion Ratio Lower Upper
202 100
200 22.7 16.6 24.8
203 28.2 14.6 21.8





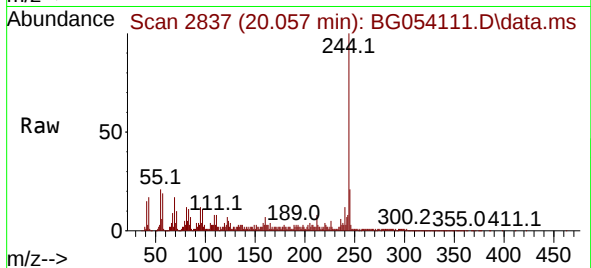
#79
 Terphenyl-d14
 Concen: 28.156 ng
 RT: 20.057 min Scan# 2837
 Delta R.T. 0.013 min
 Lab File: BG054111.D
 Acq: 28 Jun 2022 3:38

Instrument :

BNA_G

ClientSampleId :

SP-EXC-1-6

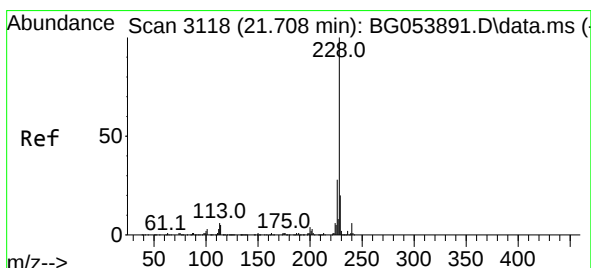
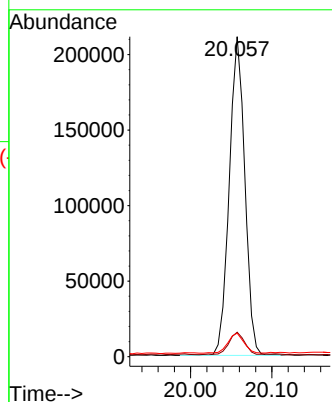
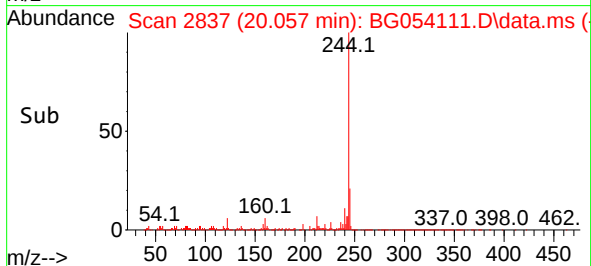


Tgt Ion:244 Resp: 280735
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.5 9.7
 122 7.4 5.0 7.4

Manual Integrations

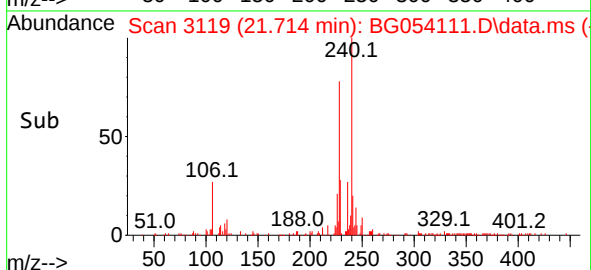
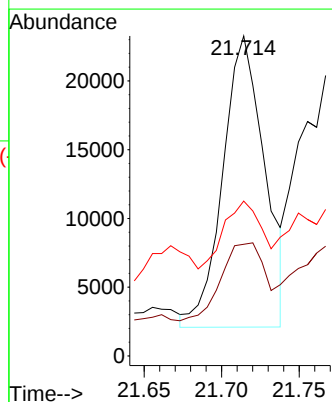
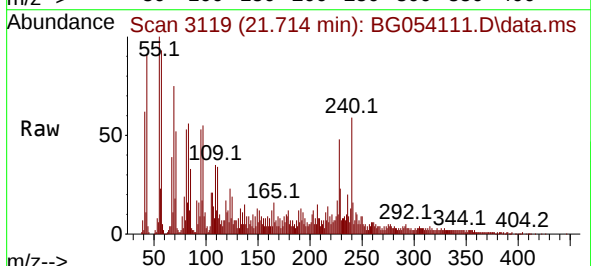
APPROVED

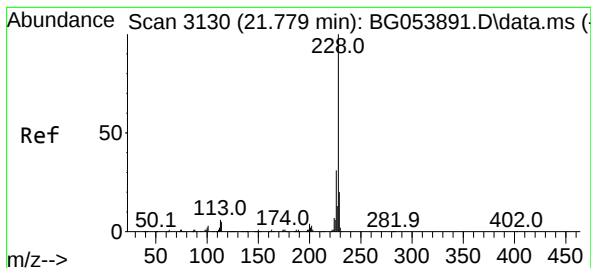
Reviewed By :Christian Giraldo 06/28/2022
 Supervised By :Jagrut Upadhyay 06/28/2022



#81
 Benzo(a)anthracene
 Concen: 3.054 ng
 RT: 21.714 min Scan# 3119
 Delta R.T. 0.019 min
 Lab File: BG054111.D
 Acq: 28 Jun 2022 3:38

Tgt Ion:228 Resp: 39710
 Ion Ratio Lower Upper
 228 100
 226 34.9 21.6 32.4#
 229 48.4 16.2 24.2#





#83

Chrysene

Concen: 5.298 ng

RT: 21.779 min Scan# 3130

Delta R.T. 0.019 min

Lab File: BG054111.D

Acq: 28 Jun 2022 3:38

Instrument :

BNA_G

ClientSampleId :

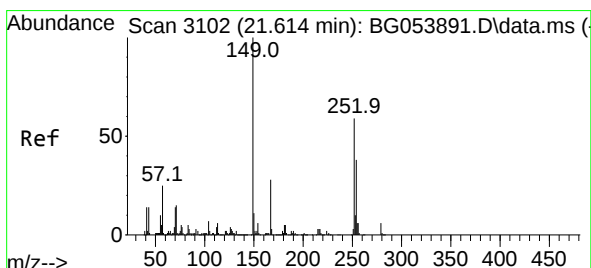
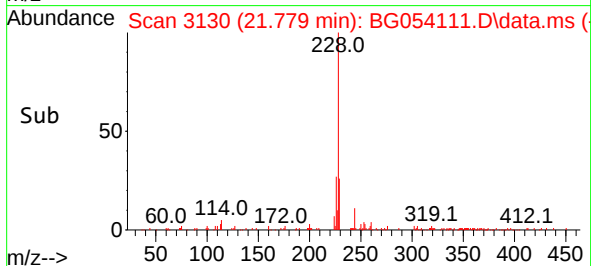
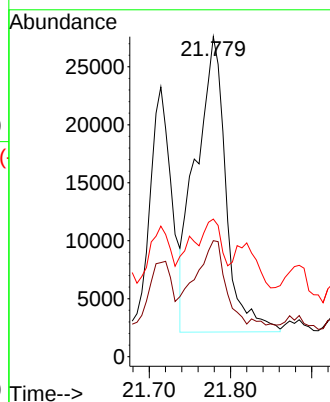
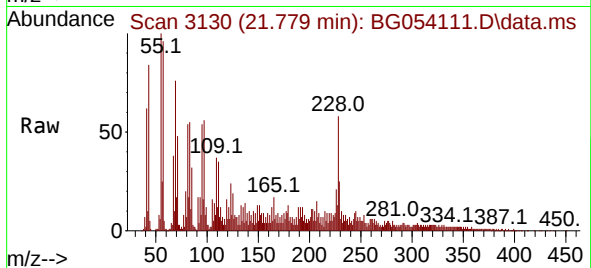
SP-EXC-1-6

Tgt Ion:	228	Resp:	6566
Ion Ratio	Lower	Upper	
228	100		
226	36.3	23.4	35.2
229	43.0	15.5	23.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.917 ng

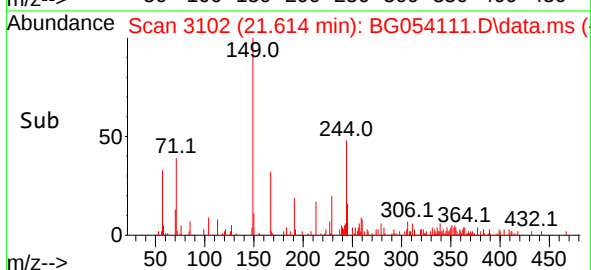
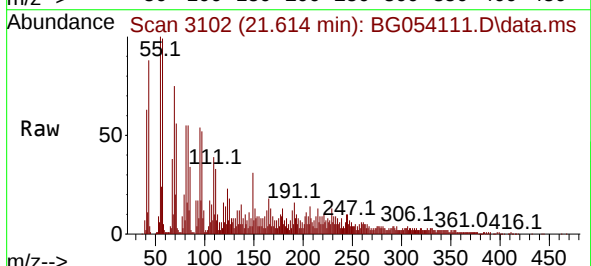
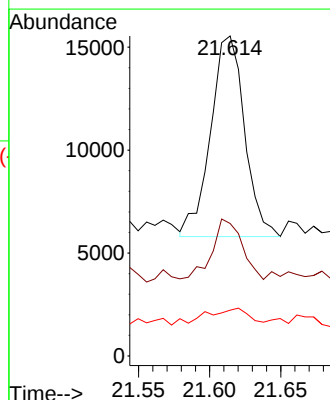
RT: 21.614 min Scan# 3102

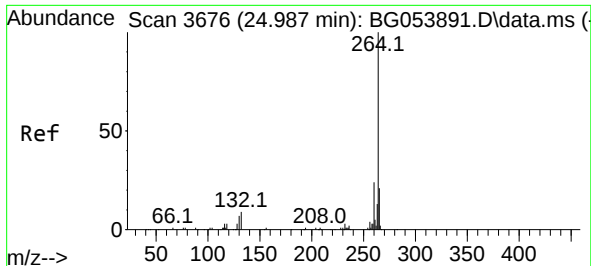
Delta R.T. 0.013 min

Lab File: BG054111.D

Acq: 28 Jun 2022 3:38

Tgt Ion:	149	Resp:	16220
Ion Ratio	Lower	Upper	
149	100		
167	41.4	20.2	30.4
279	14.3	3.6	5.4





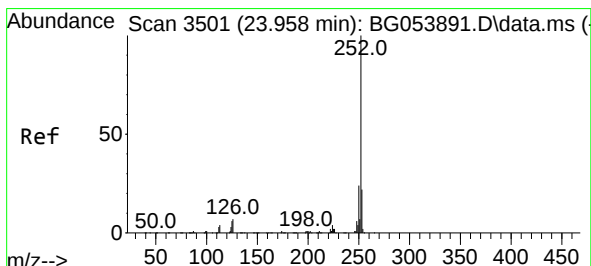
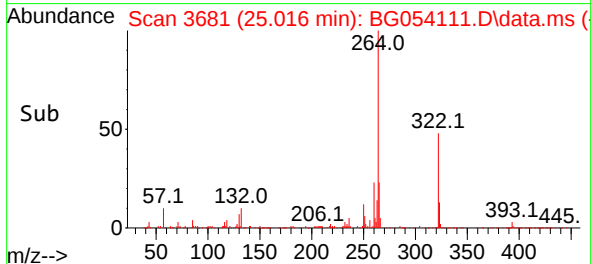
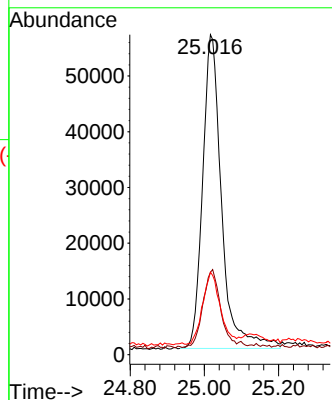
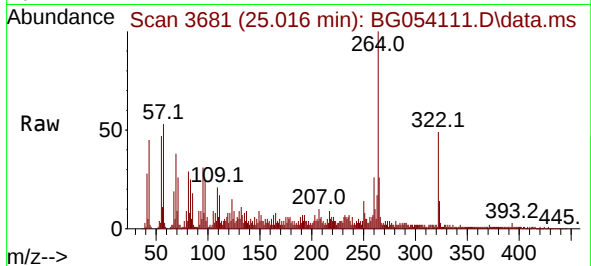
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.016 min Scan# 30
Delta R.T. 0.054 min
Lab File: BG054111.D
Acq: 28 Jun 2022 3:38

Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-6

Tgt Ion:264 Resp: 19945
Ion Ratio Lower Upper
264 100
260 25.7 19.0 28.6
265 25.8 17.4 26.2

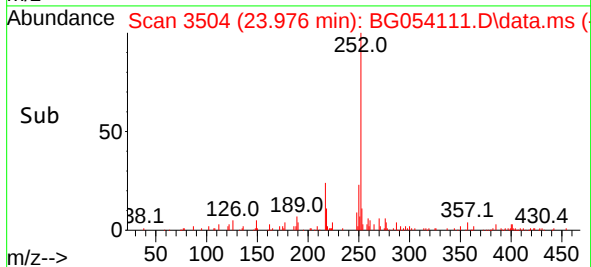
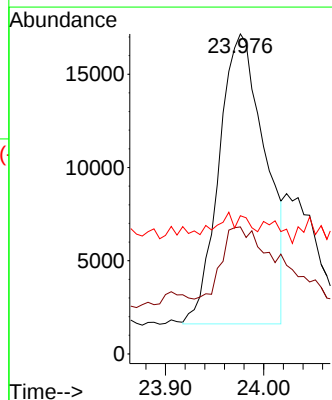
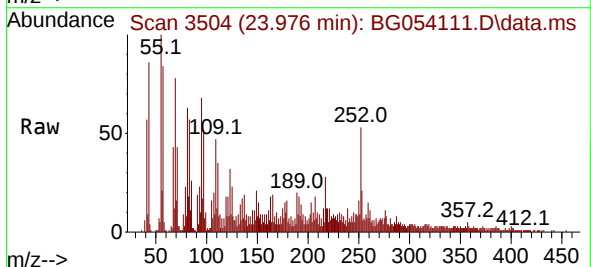
Manual Integrations
APPROVED

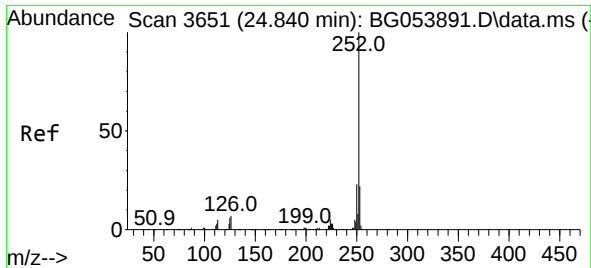
Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#88
Benzo(b)fluoranthene
Concen: 4.197 ng m
RT: 23.976 min Scan# 3504
Delta R.T. 0.042 min
Lab File: BG054111.D
Acq: 28 Jun 2022 3:38

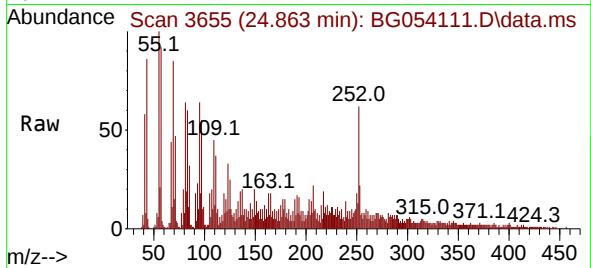
Tgt Ion:252 Resp: 50897
Ion Ratio Lower Upper
252 100
253 39.7 18.0 27.0#
125 43.2 4.6 6.8#





#90
Benzo(a)pyrene
Concen: 4.449 ng
RT: 24.863 min Scan# 30
Delta R.T. 0.048 min
Lab File: BG054111.D
Acq: 28 Jun 2022 3:38

Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-6



Tgt Ion:252 Resp: 45520
Ion Ratio Lower Upper
252 100
253 36.3 17.8 26.8
125 41.1 4.3 6.5

Manual Integrations
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Supervised By :Jagrut Upadhyay 06/28/2022

