

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062722\
 Data File : BG054109.D
 Acq On : 28 Jun 2022 2:20
 Operator : CG/JU
 Sample : N3494-26 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-EXC-1-2

Quant Time: Jun 28 05:01:14 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.070	152	33113	20.000	ng	0.00
21) Naphthalene-d8	10.885	136	137883	20.000	ng	# 0.00
39) Acenaphthene-d10	14.698	164	94200	20.000	ng	0.00
64) Phenanthrene-d10	17.442	188	204718	20.000	ng	0.00
76) Chrysene-d12	21.725	240	205589	20.000	ng	# 0.00
86) Perylene-d12	25.009	264	219906	20.000	ng	# 0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.638	112	85168	49.175	ng	0.00
7) Phenol-d6	7.230	99	112330	47.810	ng	0.00
23) Nitrobenzene-d5	9.228	82	78537	32.009	ng	0.00
42) 2,4,6-Tribromophenol	16.184	330	59764	39.488	ng	0.00
45) 2-Fluorobiphenyl	13.323	172	195363	30.158	ng	0.00
79) Terphenyl-d14	20.051	244	322574	31.601	ng	0.00
Target Compounds						Qvalue
13) 1,4-Dichlorobenzene	8.112	146	4757m	2.044	ng	
14) 1,2-Dichlorobenzene	8.429	146	13223	5.918	ng	96
31) Naphthalene	10.932	128	18715	2.689	ng	# 92
37) 2-Methylnaphthalene	12.536	142	14368	2.790	ng	95
38) 1-Methylnaphthalene	12.753	142	10042	2.003	ng	# 97
71) Phenanthrene	17.483	178	27383	2.603	ng	# 86
75) Fluoranthene	19.498	202	51992	3.766	ng	88
78) Pyrene	19.857	202	79843	6.430	ng	# 91
81) Benzo(a)anthracene	21.707	228	81460	6.120	ng	# 83
83) Chrysene	21.772	228	138422	10.909	ng	# 88
87) Indeno(1,2,3-cd)pyrene	28.758	276	68102	4.104	ng	# 58
88) Benzo(b)fluoranthene	23.964	252	138793	10.380	ng	# 82
90) Benzo(a)pyrene	24.851	252	117127	10.382	ng	# 82
91) Dibenzo(a,h)anthracene	28.805	278	56620	4.126	ng	# 74
92) Benzo(g,h,i)perylene	29.927	276	94289	6.962	ng	# 88

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

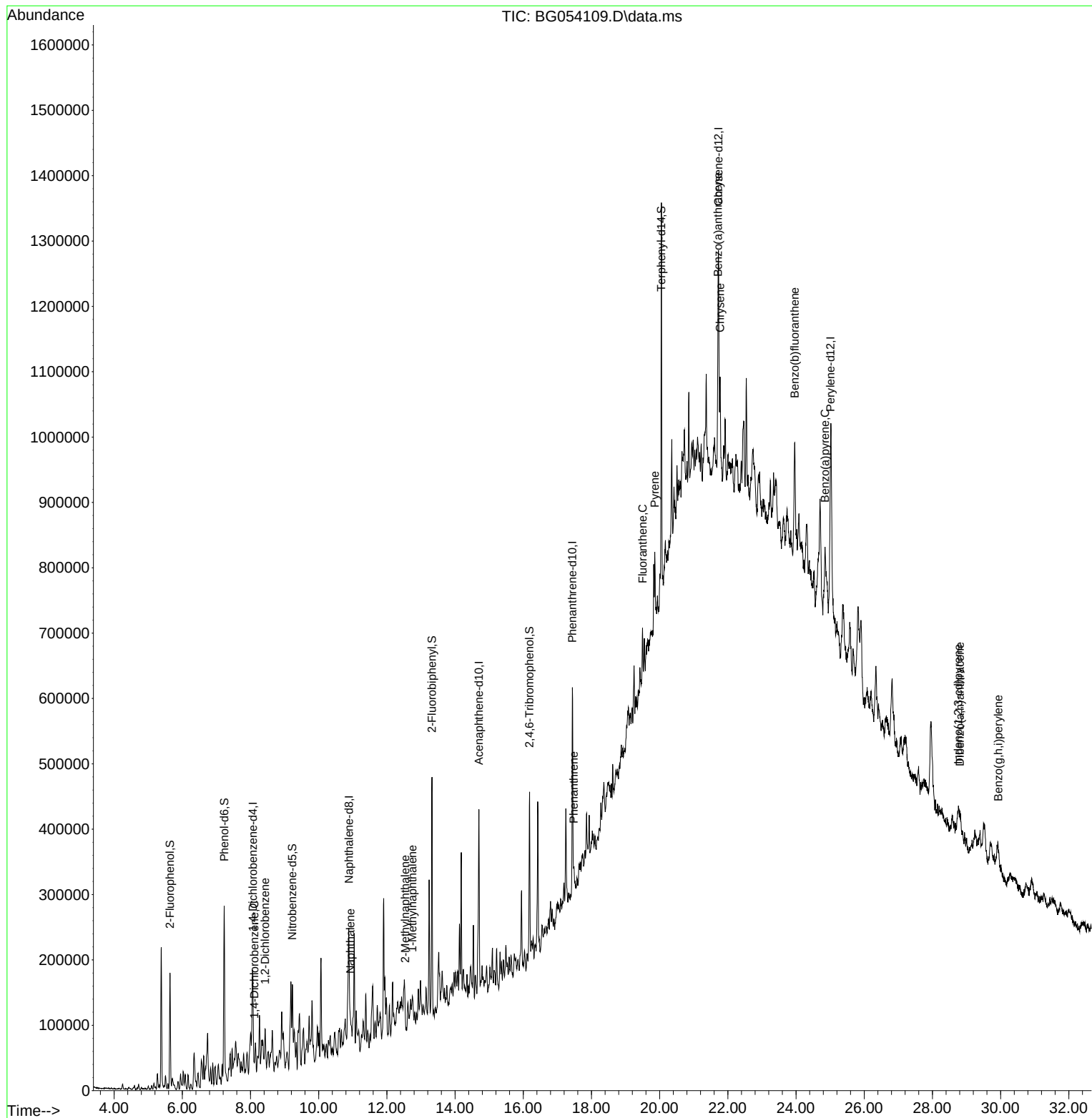
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062722\
Data File : BG054109.D
Acq On : 28 Jun 2022 2:20
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ALS Vial : 16 Sample Multiplier: 1

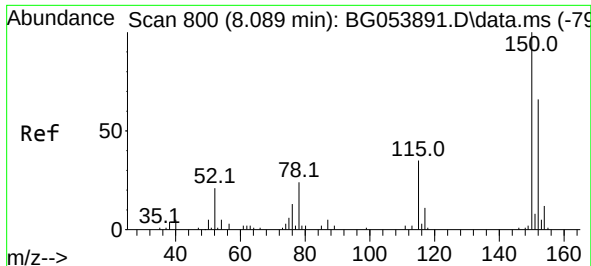
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ClientSampleId :
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Quant Time: Jun 28 05:01:14 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
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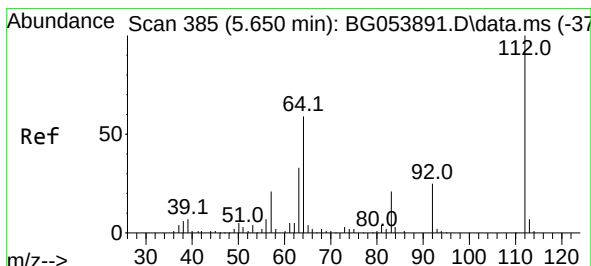
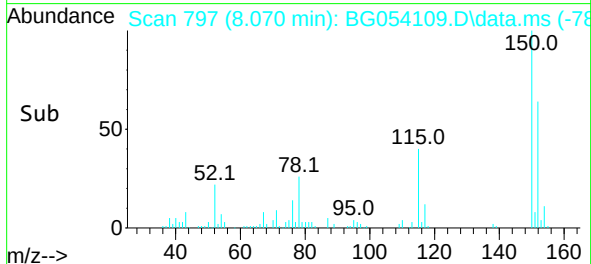
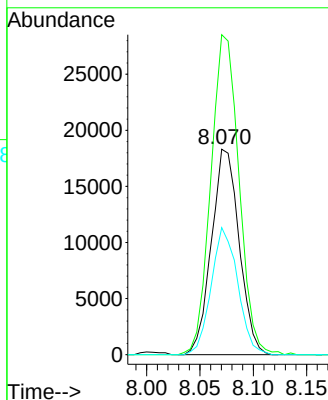
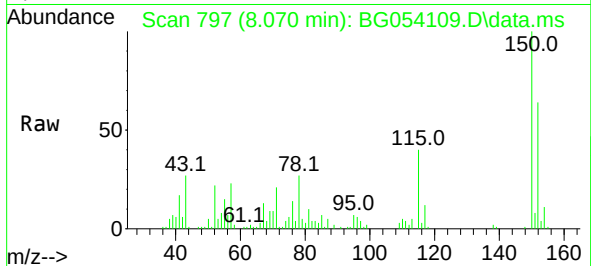
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.070 min Scan# 79
Delta R.T. 0.000 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20

Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-2

Tgt Ion:152 Resp: 3311
Ion Ratio Lower Upper
152 100
150 155.8 131.6 197.4
115 61.9 50.9 76.3

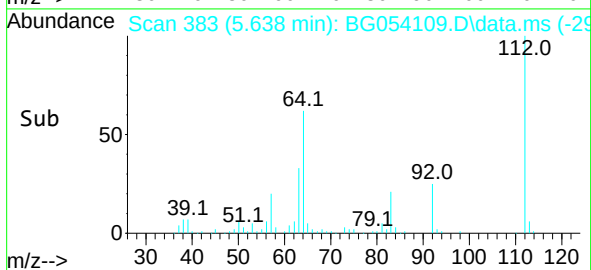
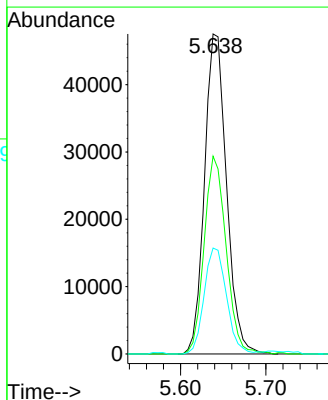
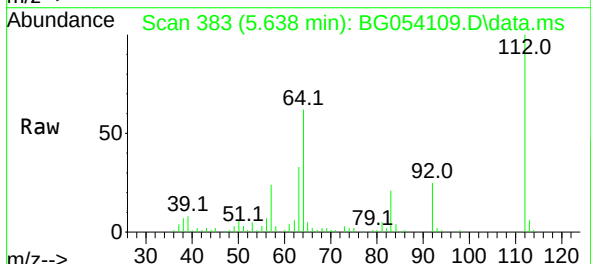
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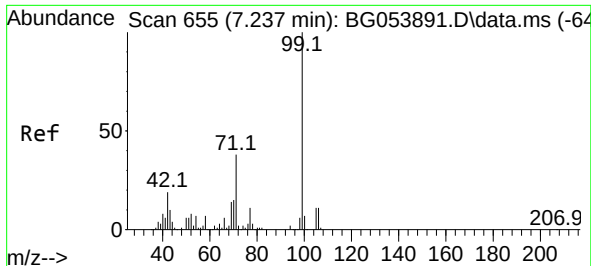
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Supervised By :Jagrut Upadhyay 06/28/2022



#5
2-Fluorophenol
Concen: 49.175 ng
RT: 5.638 min Scan# 383
Delta R.T. 0.000 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20

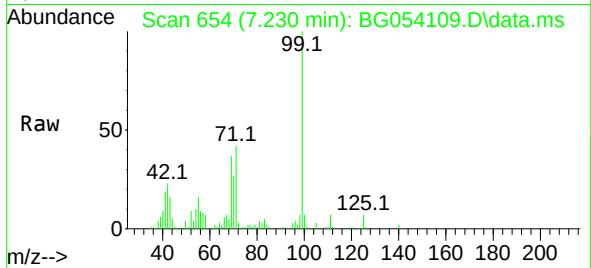
Tgt Ion:112 Resp: 85168
Ion Ratio Lower Upper
112 100
64 61.8 55.1 82.7
63 33.1 30.4 45.6





#7
Phenol-d6
Concen: 47.810 ng
RT: 7.230 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20

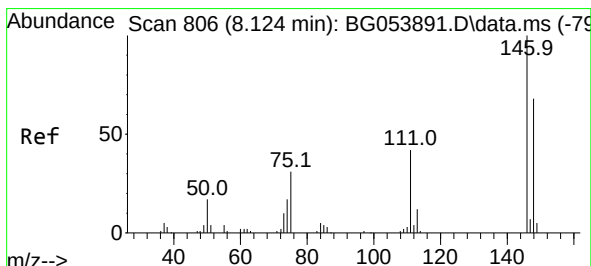
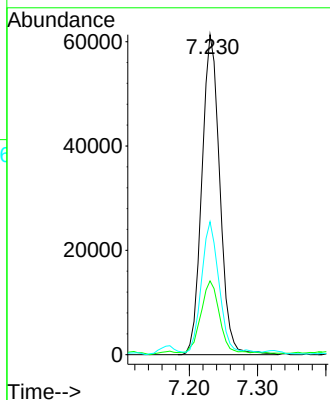
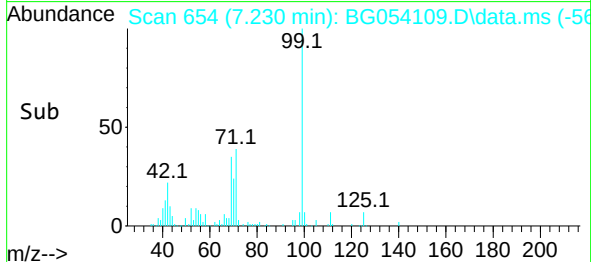
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-2



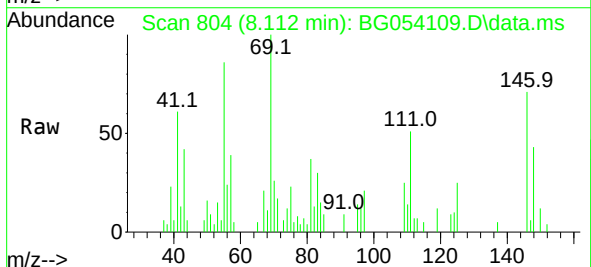
Tgt Ion: 99 Resp: 112330
Ion Ratio Lower Upper
99 100
42 23.1 17.0 25.6
71 41.6 33.8 50.8

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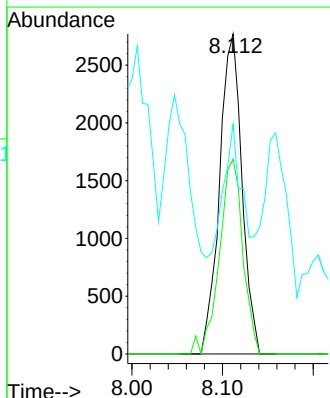
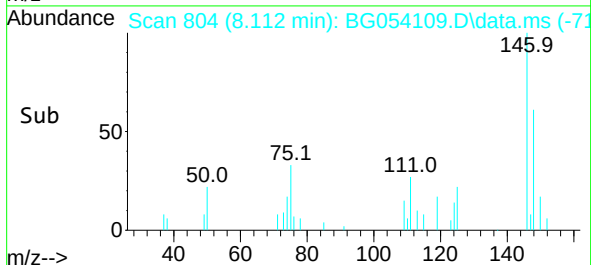
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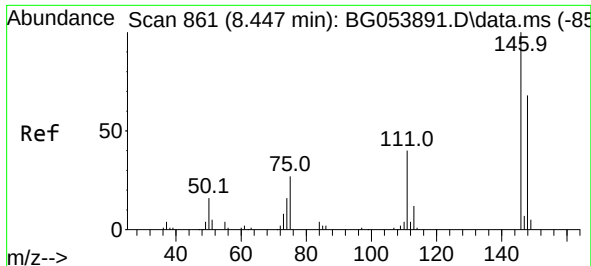


#13
1,4-Dichlorobenzene
Concen: 2.044 ng m
RT: 8.112 min Scan# 804
Delta R.T. 0.006 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20



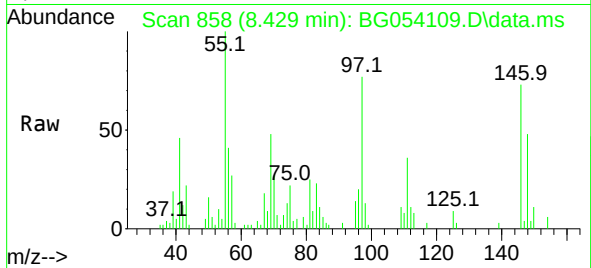
Tgt Ion:146 Resp: 4757
Ion Ratio Lower Upper
146 100
148 60.8 51.5 77.3
111 71.9 33.9 50.9#





#14
1,2-Dichlorobenzene
Concen: 5.918 ng
RT: 8.429 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20

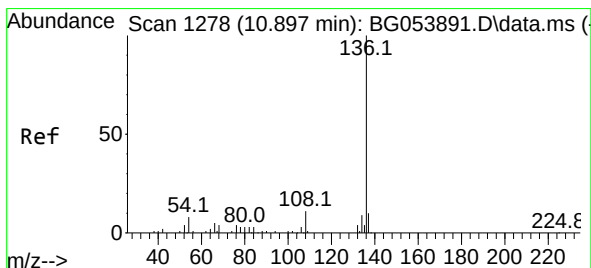
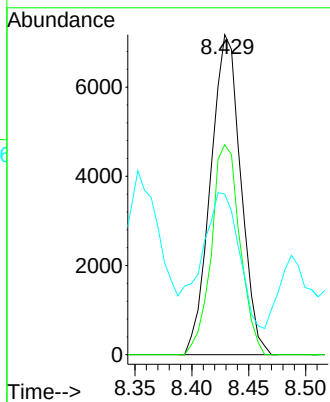
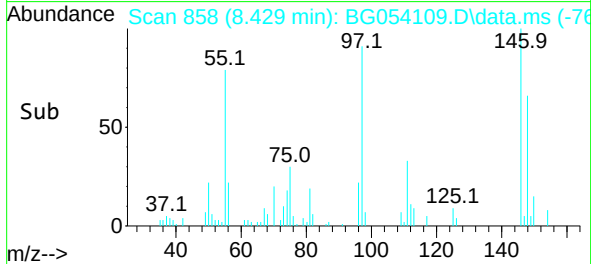
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-2



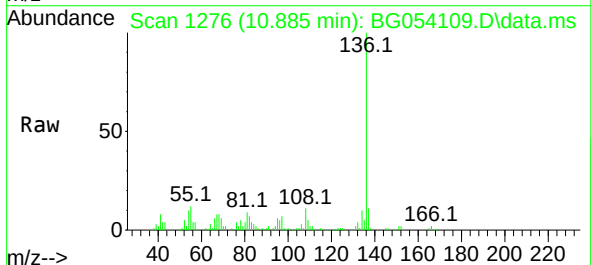
Tgt Ion:146 Resp: 1322
Ion Ratio Lower Upper
146 100
148 65.6 52.6 78.8
111 50.1 34.5 51.7

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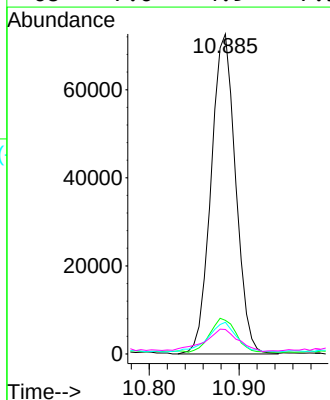
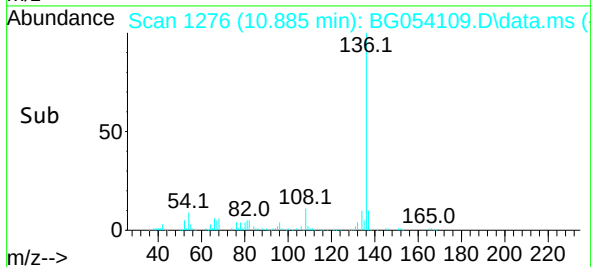
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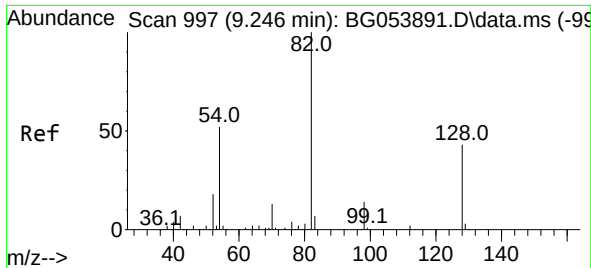


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.885 min Scan# 1276
Delta R.T. 0.006 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20



Tgt Ion:136 Resp: 137883
Ion Ratio Lower Upper
136 100
137 10.5 8.5 12.7
54 9.9 7.4 11.2
68 7.6 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 32.009 ng
RT: 9.228 min Scan# 997
Delta R.T. -0.006 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20

Instrument :

BNA_G

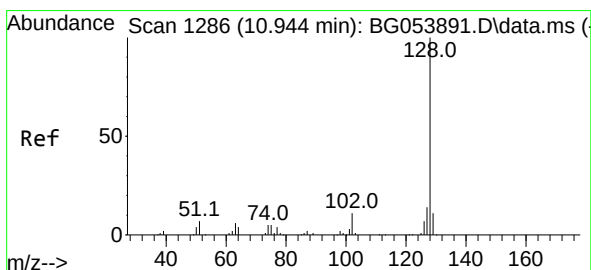
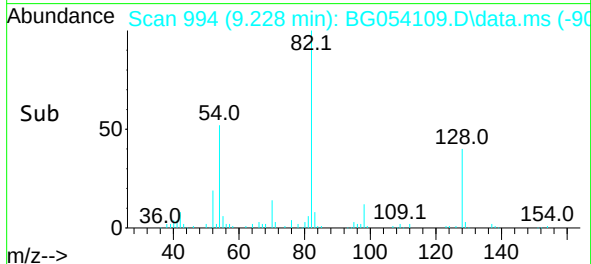
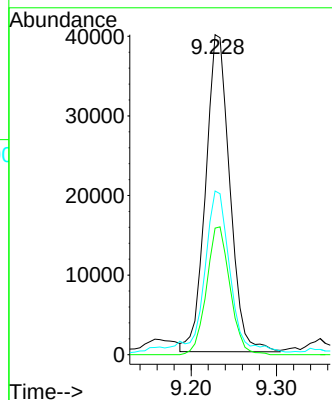
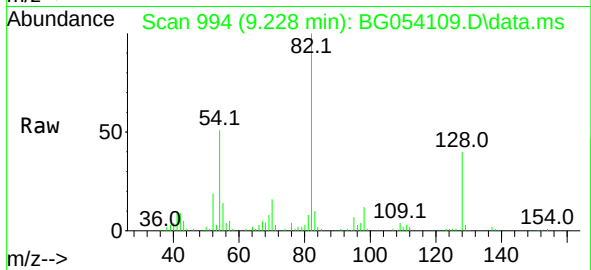
ClientSampleId :

SP-EXC-1-2

Tgt Ion: 82 Resp: 7853
Ion Ratio Lower Upper
82 100
128 39.5 27.9 41.9
54 51.2 41.2 61.8

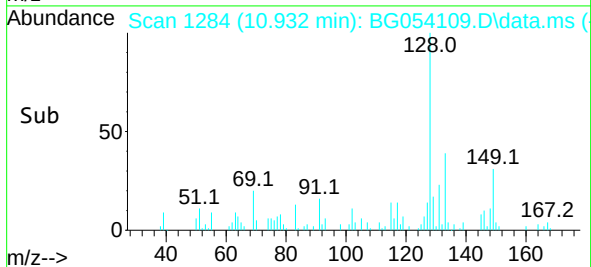
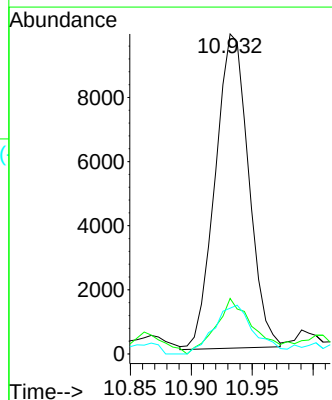
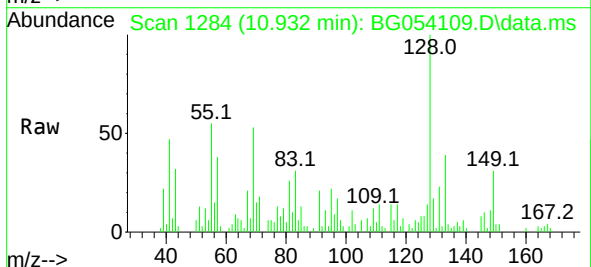
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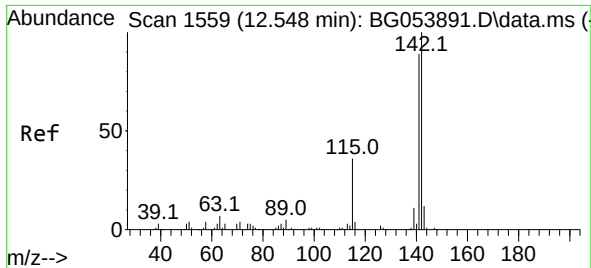
Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#31
Naphthalene
Concen: 2.689 ng
RT: 10.932 min Scan# 1284
Delta R.T. 0.000 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20

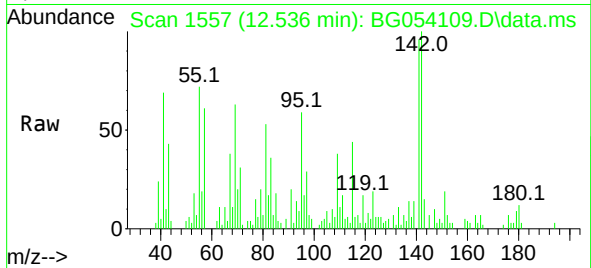
Tgt Ion:128 Resp: 18715
Ion Ratio Lower Upper
128 100
129 17.3 9.0 13.6#
127 14.3 11.1 16.7





#37
2-Methylnaphthalene
Concen: 2.790 ng
RT: 12.536 min Scan# 1557
Delta R.T. 0.006 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20

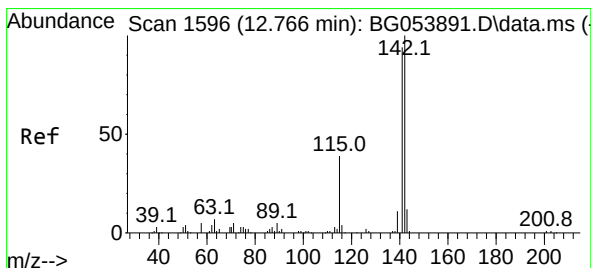
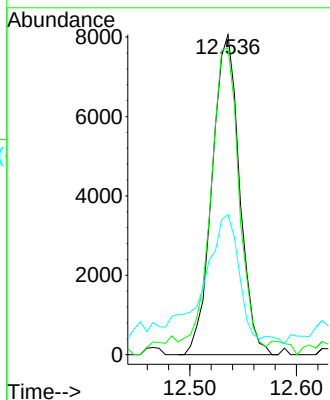
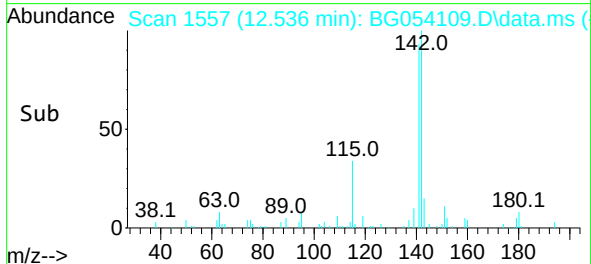
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-2



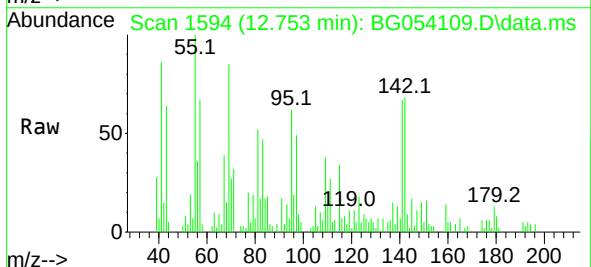
Tgt Ion:142 Resp: 1436
Ion Ratio Lower Upper
142 100
141 95.8 72.3 108.5
115 43.8 33.7 50.5

Manual Integrations
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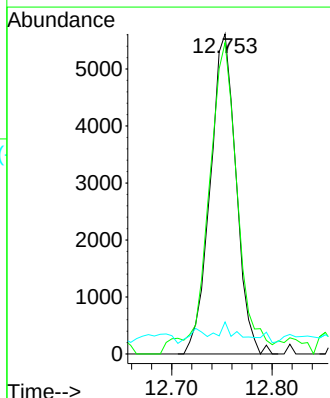
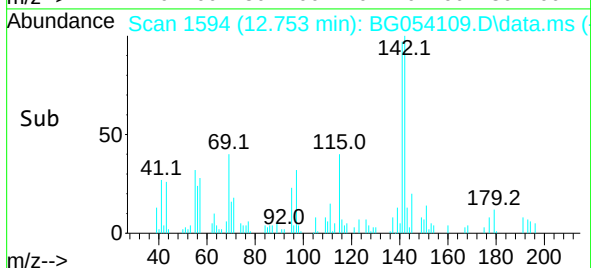
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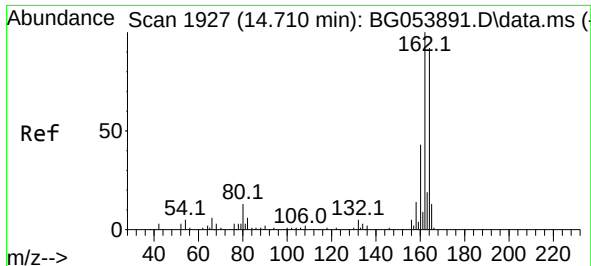


#38
1-Methylnaphthalene
Concen: 2.003 ng
RT: 12.753 min Scan# 1594
Delta R.T. 0.006 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20



Tgt Ion:142 Resp: 10042
Ion Ratio Lower Upper
142 100
141 97.3 76.4 114.6
116 10.0 3.3 4.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.698 min Scan# 1925
Delta R.T. 0.000 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20

Instrument :

BNA_G

ClientSampleId :

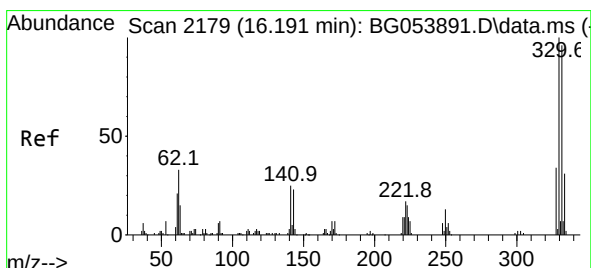
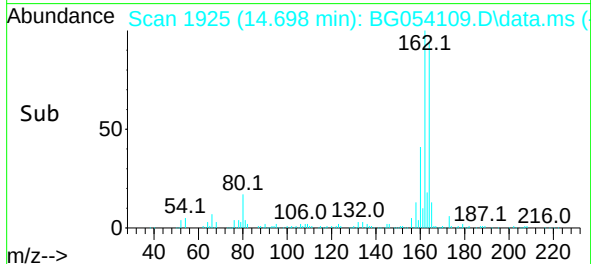
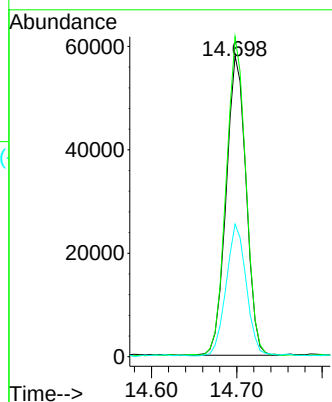
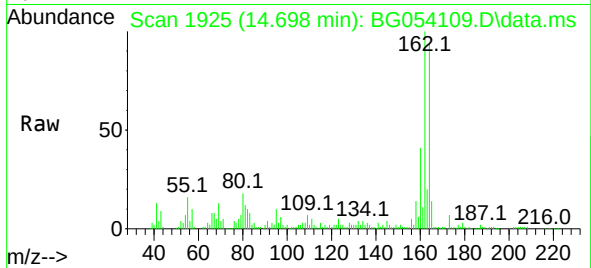
SP-EXC-1-2

Tgt Ion:164 Resp: 94200
Ion Ratio Lower Upper
164 100
162 106.4 82.3 123.5
160 44.1 34.2 51.2

Manual Integrations

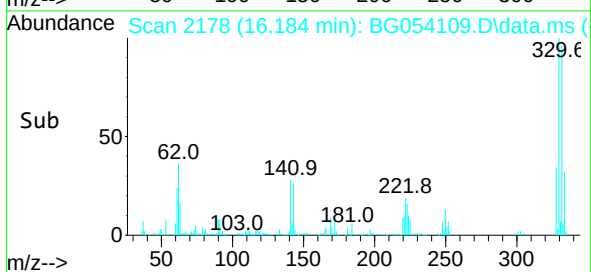
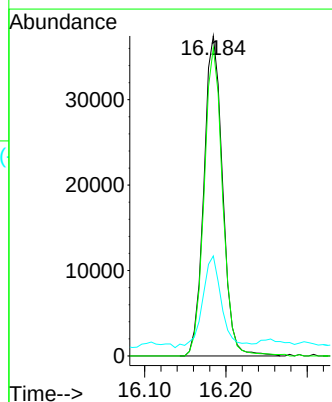
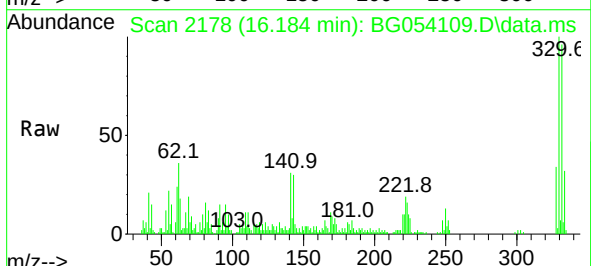
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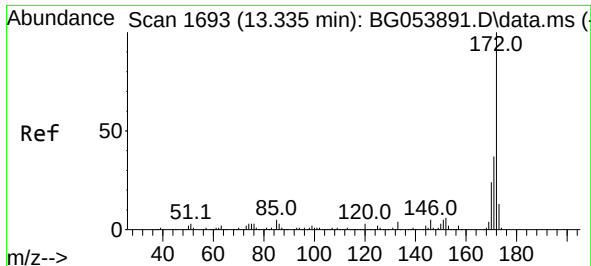
Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#42
2,4,6-Tribromophenol
Concen: 39.488 ng
RT: 16.184 min Scan# 2178
Delta R.T. 0.000 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20

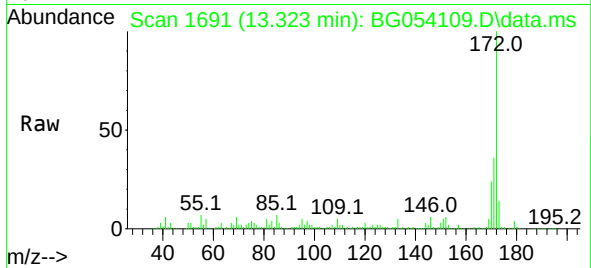
Tgt Ion:330 Resp: 59764
Ion Ratio Lower Upper
330 100
332 95.2 76.0 114.0
141 29.4 27.1 40.7





#45
2-Fluorobiphenyl
Concen: 30.158 ng
RT: 13.323 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20

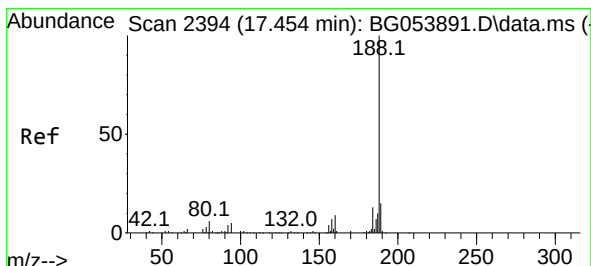
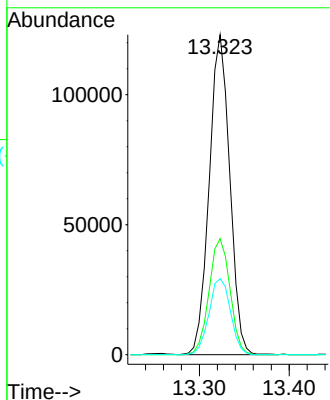
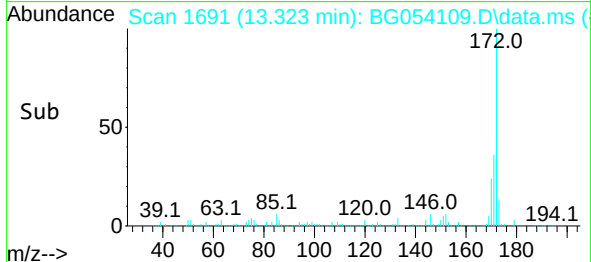
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SP-EXC-1-2



Tgt Ion:172 Resp: 19536
Ion Ratio Lower Upper
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171 36.2 28.5 42.7
170 23.7 18.9 28.3

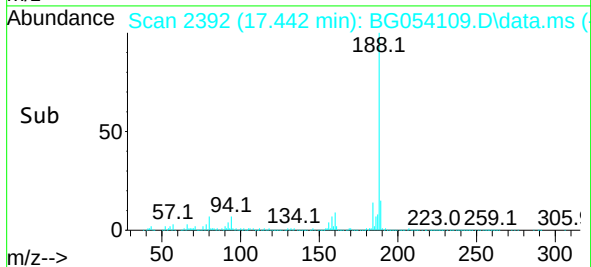
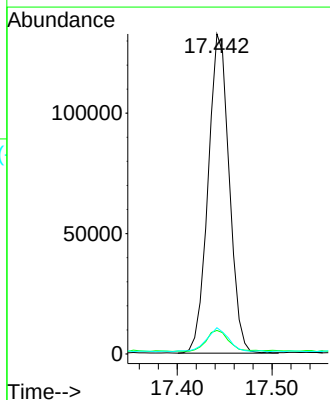
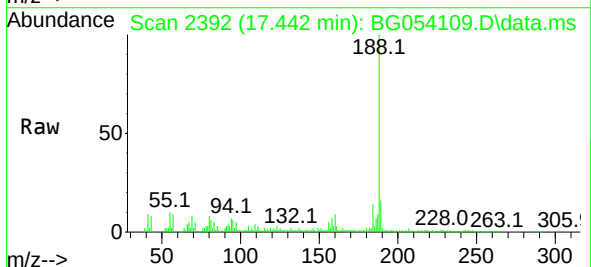
Manual Integrations
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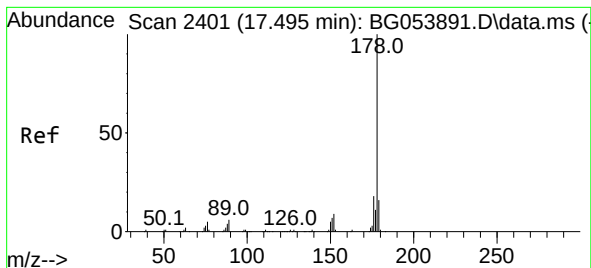
Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.442 min Scan# 2392
Delta R.T. 0.000 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20

Tgt Ion:188 Resp: 204718
Ion Ratio Lower Upper
188 100
94 7.4 5.4 8.0
80 8.2 6.8 10.2





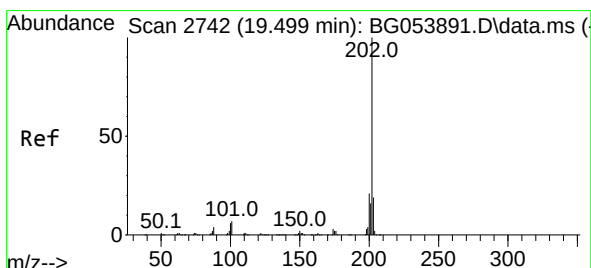
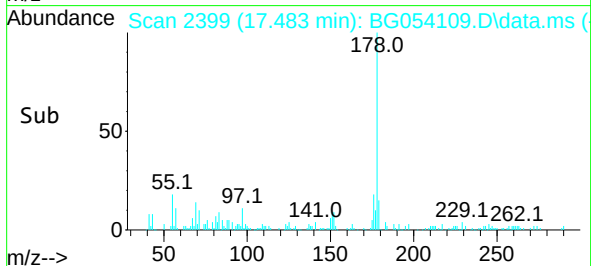
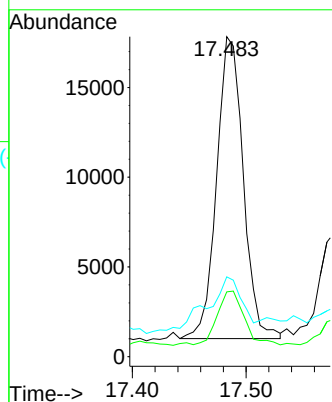
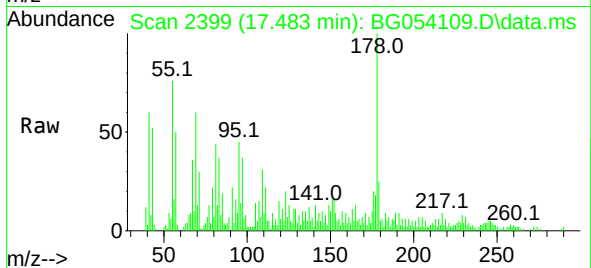
#71
Phenanthrene
Concen: 2.603 ng
RT: 17.483 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20

Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-2

Tgt Ion:178 Resp: 2738
Ion Ratio Lower Upper
178 100
176 20.3 14.1 21.1
179 25.0 12.1 18.1

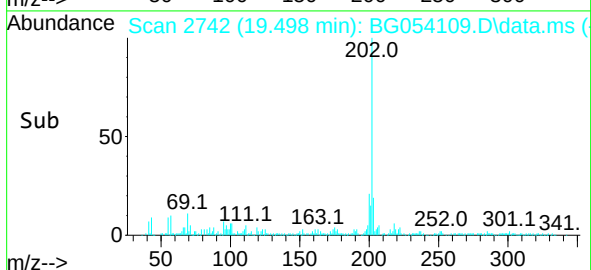
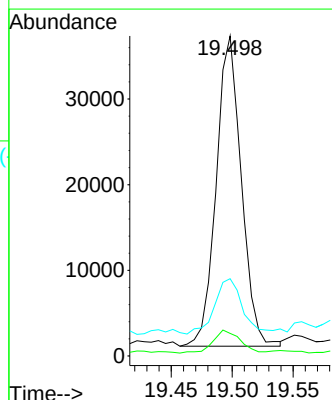
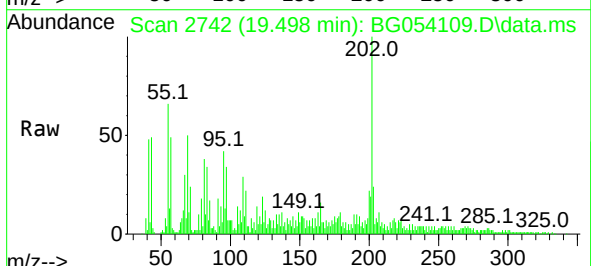
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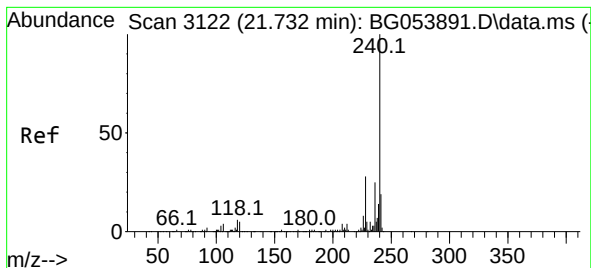
Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#75
Fluoranthene
Concen: 3.766 ng
RT: 19.498 min Scan# 2742
Delta R.T. 0.006 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20

Tgt Ion:202 Resp: 51992
Ion Ratio Lower Upper
202 100
101 7.0 0.0 26.9
203 24.2 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.725 min Scan# 3122

Delta R.T. 0.006 min

Lab File: BG054109.D

Acq: 28 Jun 2022 2:20

Instrument :

BNA_G

ClientSampleId :

SP-EXC-1-2

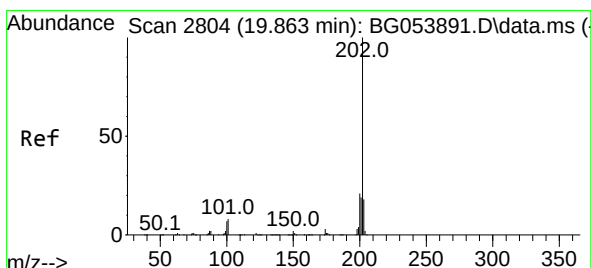
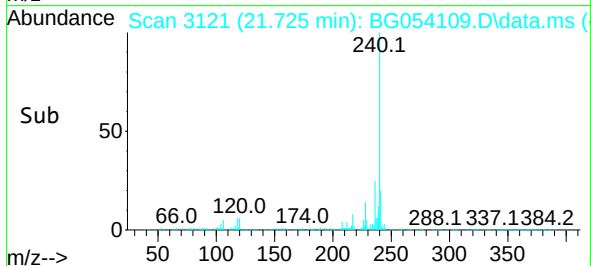
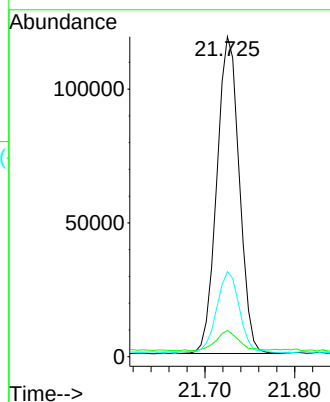
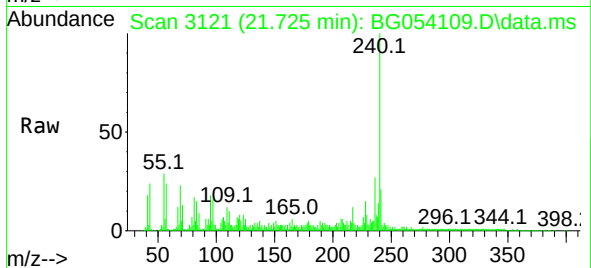
Tgt Ion:240 Resp: 205589
 Ion Ratio Lower Upper
 240 100
 120 8.2 4.6 7.0
 236 26.5 20.2 30.4

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Supervised By :Jagrut Upadhyay 06/28/2022



#78

Pyrene

Concen: 6.430 ng

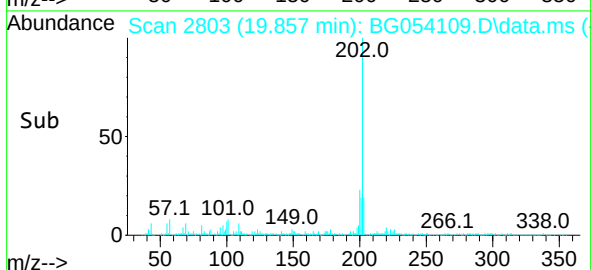
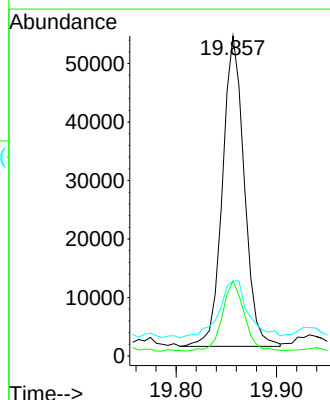
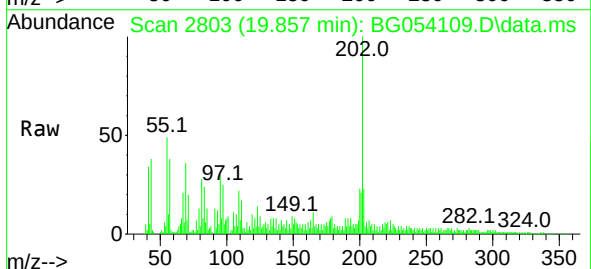
RT: 19.857 min Scan# 2803

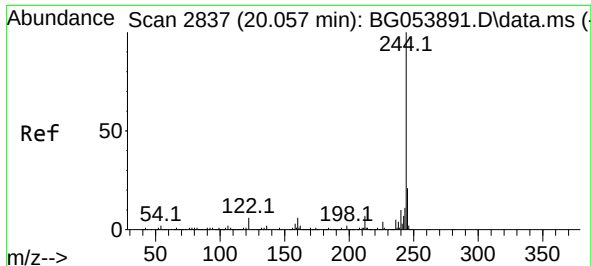
Delta R.T. 0.006 min

Lab File: BG054109.D

Acq: 28 Jun 2022 2:20

Tgt Ion:202 Resp: 79843
 Ion Ratio Lower Upper
 202 100
 200 23.4 16.6 24.8
 203 23.4 14.6 21.8





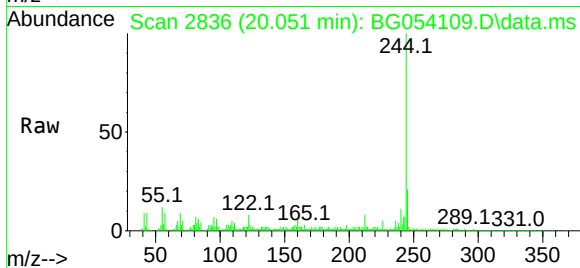
#79
 Terphenyl-d14
 Concen: 31.601 ng
 RT: 20.051 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BG054109.D
 Acq: 28 Jun 2022 2:20

Instrument :

BNA_G

ClientSampleId :

SP-EXC-1-2

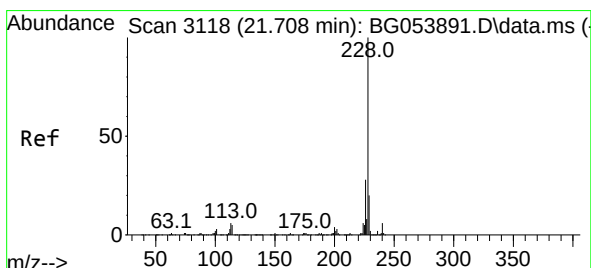
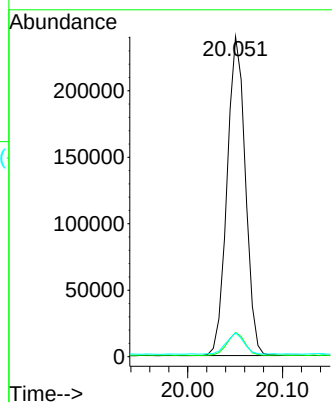
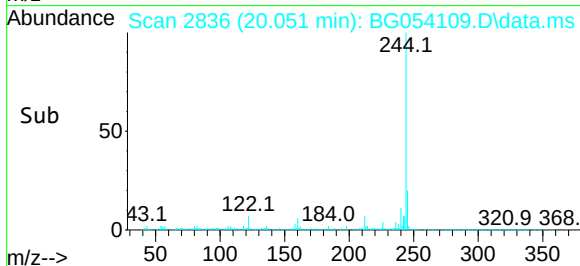


Tgt Ion:244 Resp: 322574
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.5 9.7
 122 7.5 5.0 7.4

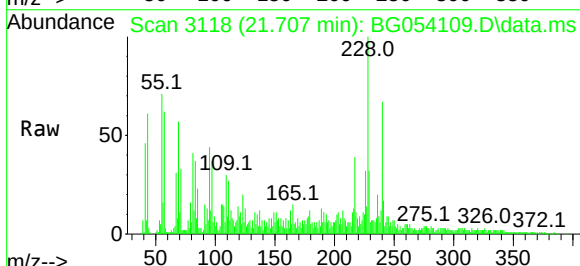
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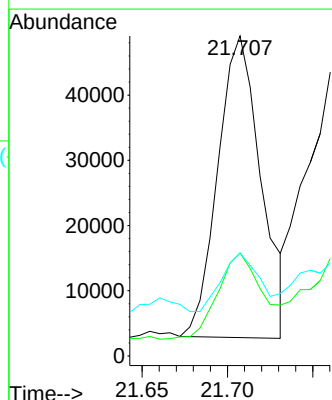
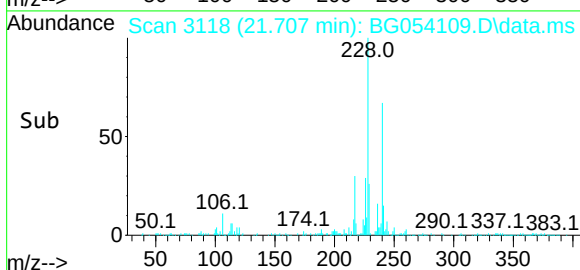
Reviewed By :Christian Giraldo 06/28/2022
 Supervised By :Jagrut Upadhyay 06/28/2022

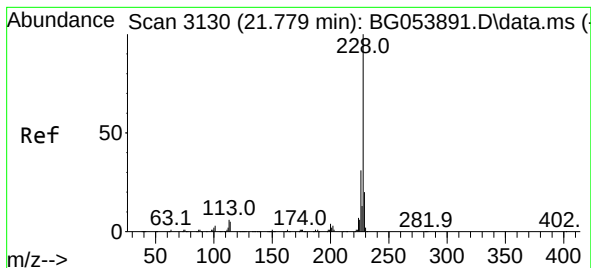


#81
 Benzo(a)anthracene
 Concen: 6.120 ng
 RT: 21.707 min Scan# 3118
 Delta R.T. 0.012 min
 Lab File: BG054109.D
 Acq: 28 Jun 2022 2:20



Tgt Ion:228 Resp: 81460
 Ion Ratio Lower Upper
 228 100
 226 32.2 21.6 32.4
 229 32.2 16.2 24.2





#83

Chrysene

Concen: 10.909 ng

RT: 21.772 min Scan# 31

Delta R.T. 0.012 min

Lab File: BG054109.D

Acq: 28 Jun 2022 2:20

Instrument :

BNA_G

ClientSampleId :

SP-EXC-1-2

Tgt Ion:228 Resp: 13842

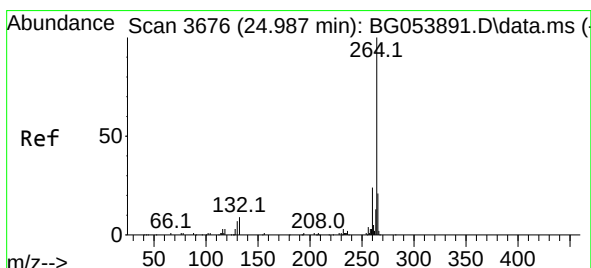
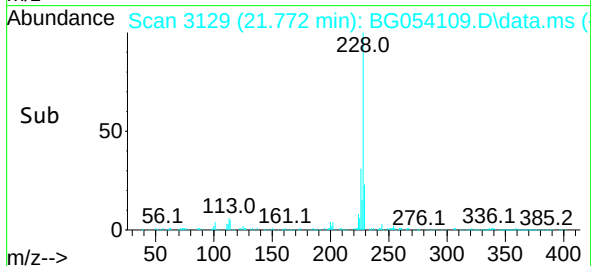
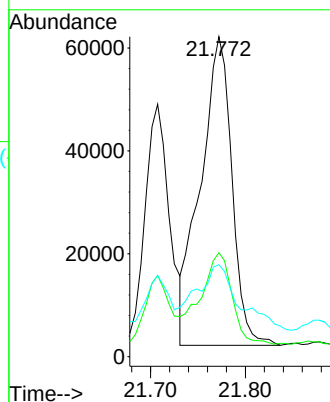
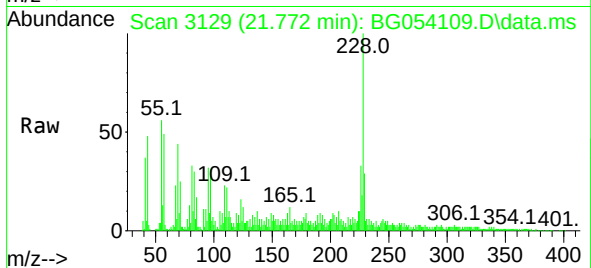
Ion	Ratio	Lower	Upper
228	100		
226	32.5	23.4	35.2
229	28.7	15.5	23.3

Manual Integrations

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Supervised By :Jagrut Upadhyay 06/28/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.009 min Scan# 3680

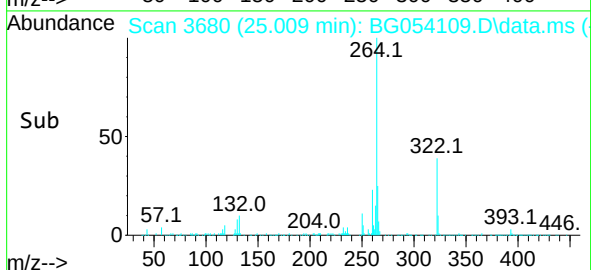
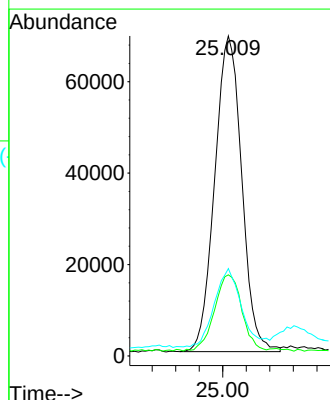
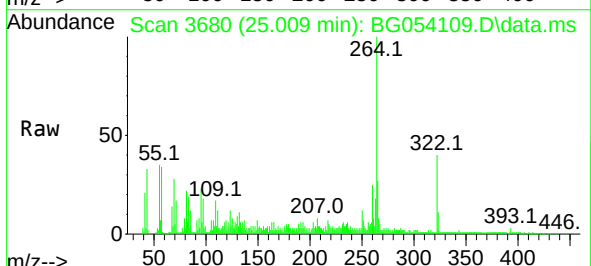
Delta R.T. 0.047 min

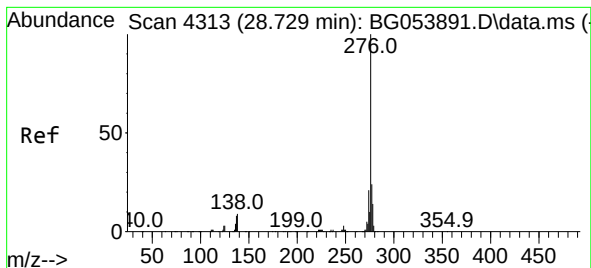
Lab File: BG054109.D

Acq: 28 Jun 2022 2:20

Tgt Ion:264 Resp: 219906

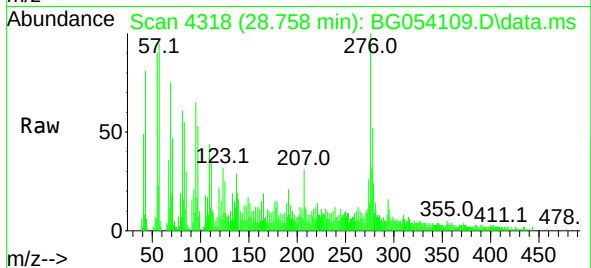
Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.0	28.6
265	27.3	17.4	26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.104 ng
RT: 28.758 min Scan# 41
Delta R.T. 0.071 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20

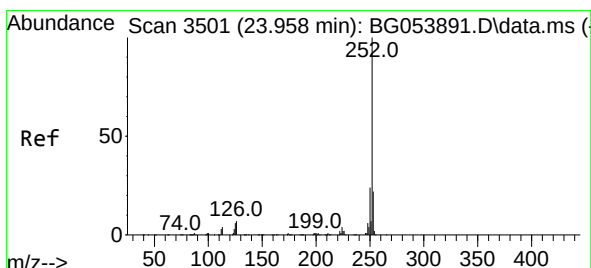
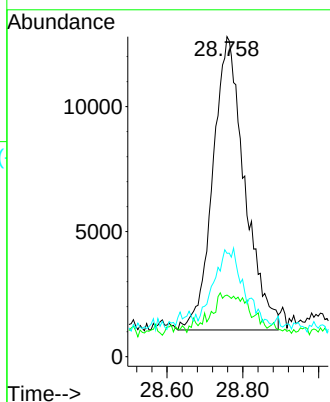
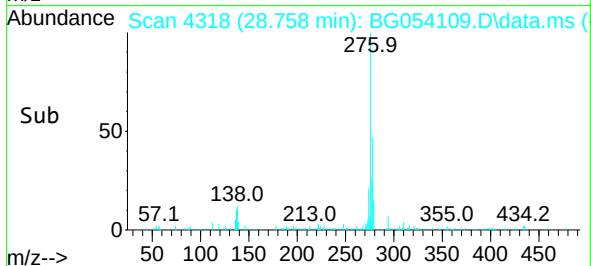
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-2



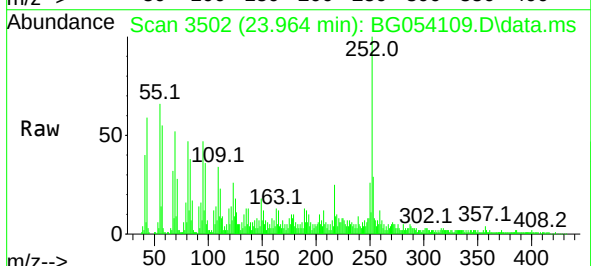
Tgt Ion:276 Resp: 6810
Ion Ratio Lower Upper
276 100
138 3.2 5.0 7.4
277 0.0 20.3 30.5

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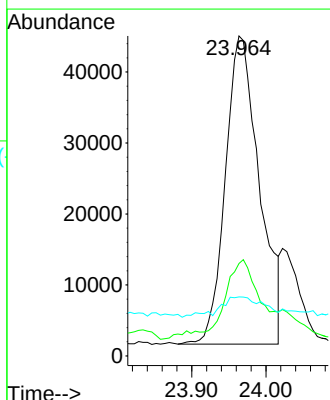
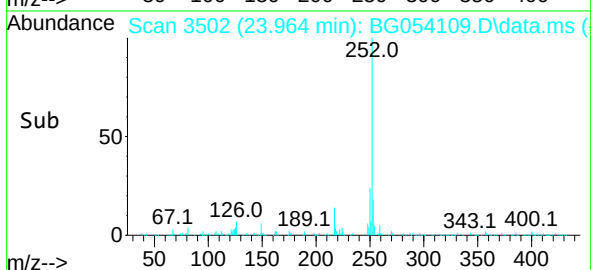
Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022

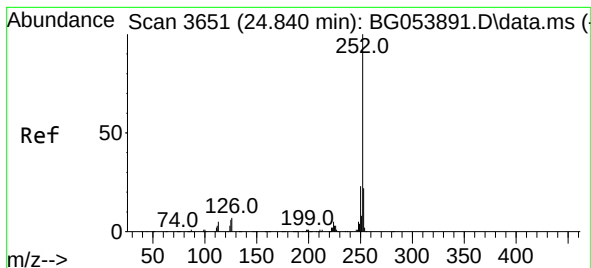


#88
Benzo(b)fluoranthene
Concen: 10.380 ng
RT: 23.964 min Scan# 3502
Delta R.T. 0.029 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20



Tgt Ion:252 Resp: 138793
Ion Ratio Lower Upper
252 100
253 28.9 18.0 27.0#
125 18.5 4.6 6.8#





#90

Benzo(a)pyrene

Concen: 10.382 ng

RT: 24.851 min Scan# 30

Delta R.T. 0.035 min

Lab File: BG054109.D

Acq: 28 Jun 2022 2:20

Instrument :

BNA_G

ClientSampleId :

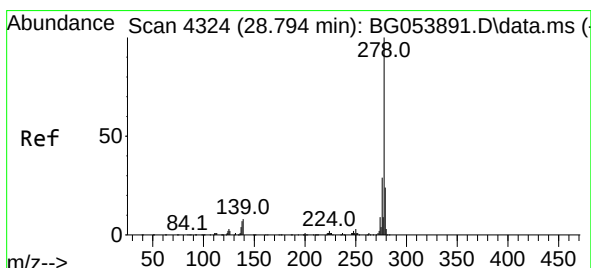
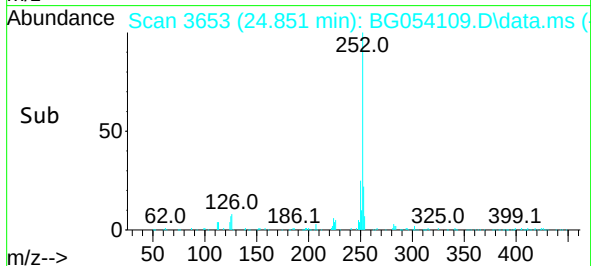
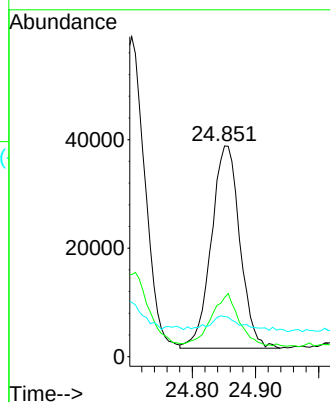
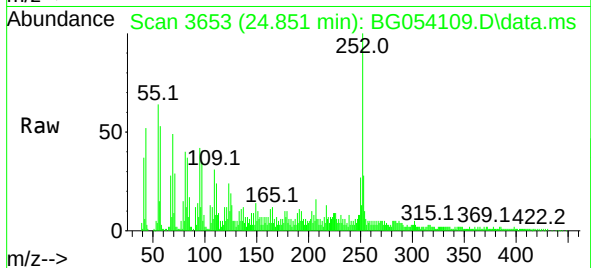
SP-EXC-1-2

Tgt Ion:	252	Resp:	11712
Ion Ratio	Lower	Upper	
252	100		
253	28.0	17.8	26.8
125	19.1	4.3	6.5

Manual Integrations

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Supervised By :Jagrut Upadhyay 06/28/2022



#91

Dibenzo(a,h)anthracene

Concen: 4.126 ng

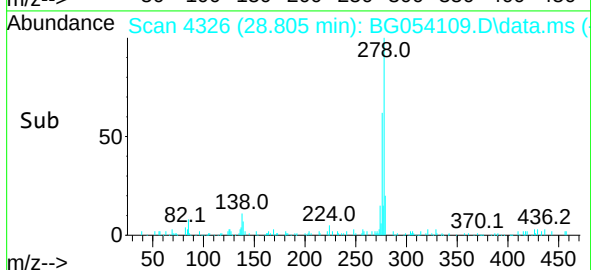
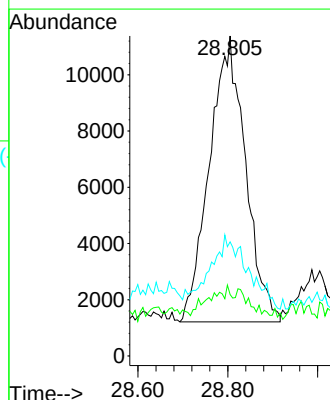
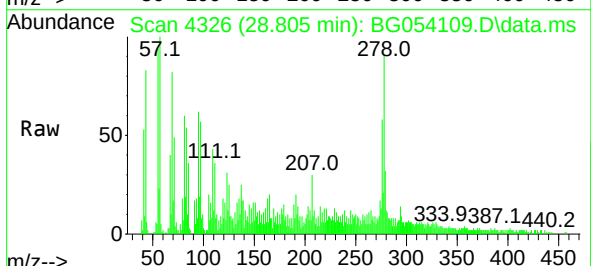
RT: 28.805 min Scan# 4326

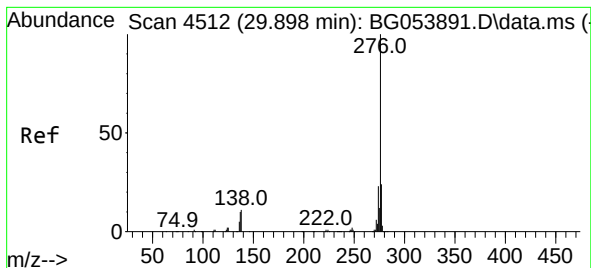
Delta R.T. 0.059 min

Lab File: BG054109.D

Acq: 28 Jun 2022 2:20

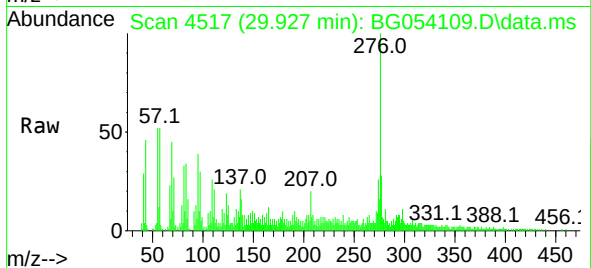
Tgt Ion:	278	Resp:	56620
Ion Ratio	Lower	Upper	
278	100		
139	19.2	7.2	10.8
279	35.7	18.6	27.8





#92
Benzo(g,h,i)perylene
Concen: 6.962 ng
RT: 29.927 min Scan# 4517
Delta R.T. 0.065 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20

Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-2



Tgt Ion: 276 Resp: 94289
Ion Ratio Lower Upper
276 100
277 27.8 17.3 25.9
138 16.5 9.6 14.4

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

