

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
 Data File : BG054133.D
 Acq On : 29 Jun 2022 1:23
 Operator : CG/JU
 Sample : N3494-31 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/29/2022
 Supervised By : Jagrut Upadhyay 06/29/2022

Quant Time: Jun 29 02:37:03 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	8.076	152	36612	20.000	ng	0.00
21) Naphthalene-d8	10.884	136	137744	20.000	ng	# 0.00
39) Acenaphthene-d10	14.703	164	88944	20.000	ng	0.00
64) Phenanthrene-d10	17.447	188	193919	20.000	ng	0.00
76) Chrysene-d12	21.730	240	205613	20.000	ng	# 0.01
86) Perylene-d12	25.015	264	216751	20.000	ng	# 0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.637	112	82656	43.164	ng	0.00
7) Phenol-d6	7.236	99	108036	41.588	ng	0.00
23) Nitrobenzene-d5	9.233	82	73977	30.181	ng	0.00
42) 2,4,6-Tribromophenol	16.184	330	53864	37.692	ng	0.00
45) 2-Fluorobiphenyl	13.323	172	178454	29.175	ng	0.00
79) Terphenyl-d14	20.056	244	298901	29.279	ng	0.01
Target Compounds						Qvalue
14) 1,2-Dichlorobenzene	8.434	146	13177	5.334	ng	94
31) Naphthalene	10.937	128	19458	2.798	ng	# 92
37) 2-Methylnaphthalene	12.535	142	15486	3.010	ng	94
71) Phenanthrene	17.488	178	26512	2.661	ng	# 79
75) Fluoranthene	19.503	202	70710	5.406	ng	89
78) Pyrene	19.862	202	109337	8.804	ng	# 95
81) Benzo(a)anthracene	21.713	228	102545	7.703	ng	# 87
83) Chrysene	21.777	228	192854	15.197	ng	# 91
87) Indeno(1,2,3-cd)pyrene	28.775	276	48704	2.978	ng	99
88) Benzo(b)fluoranthene	23.975	252	120725m	9.160	ng	
90) Benzo(a)pyrene	24.862	252	106721	9.598	ng	# 81
91) Dibenzo(a,h)anthracene	28.810	278	44727	3.307	ng	# 66
92) Benzo(g,h,i)perylene	29.932	276	82646	6.191	ng	# 82

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

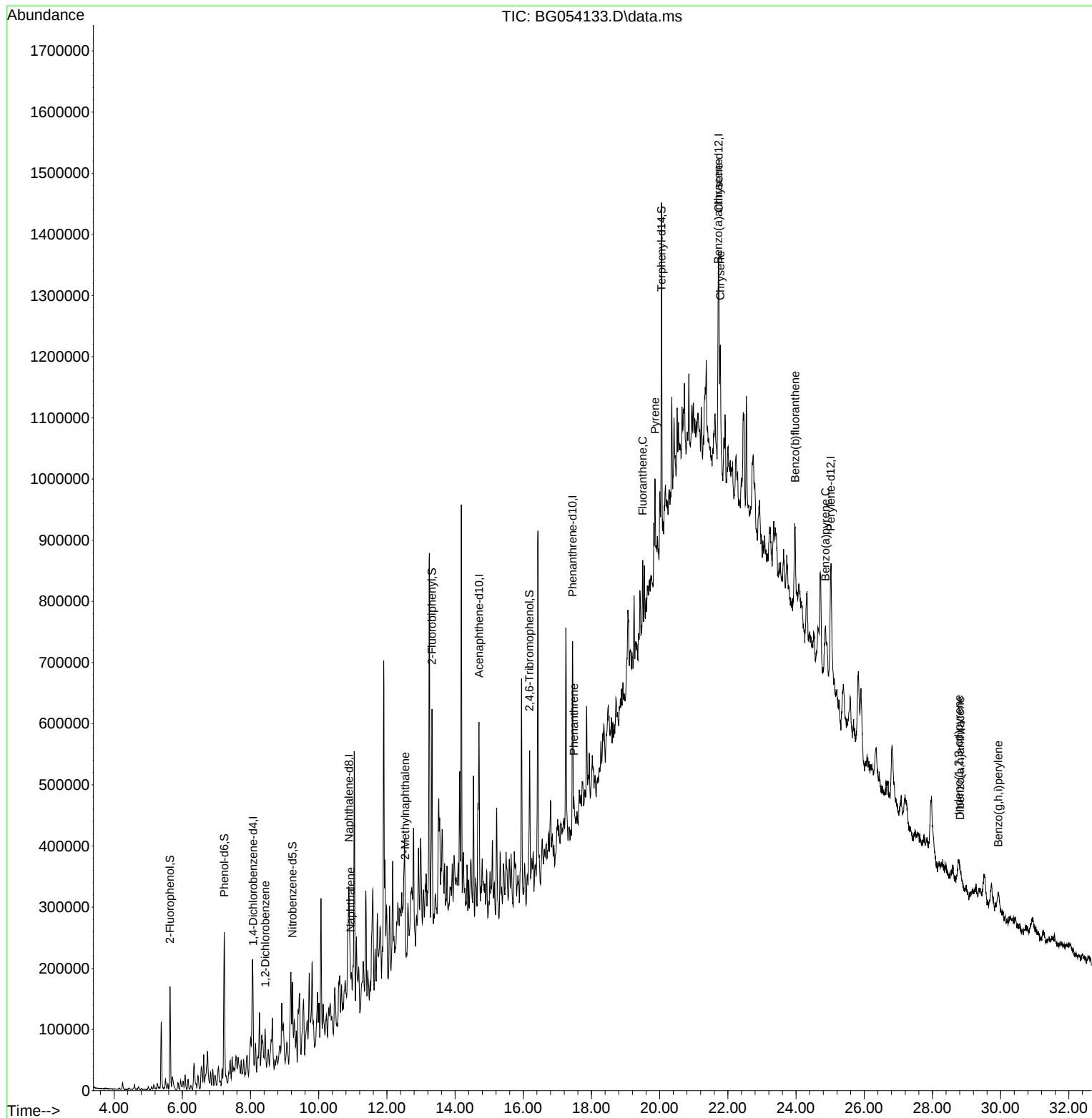
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
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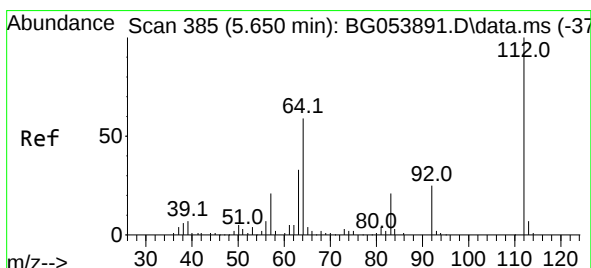
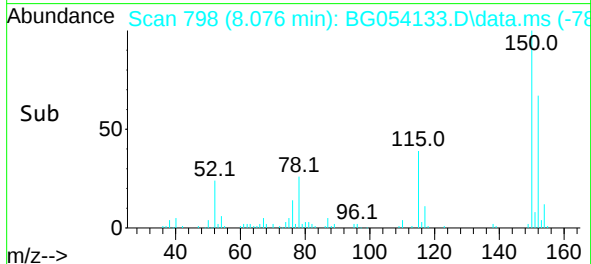
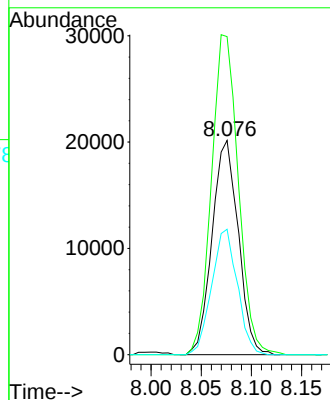
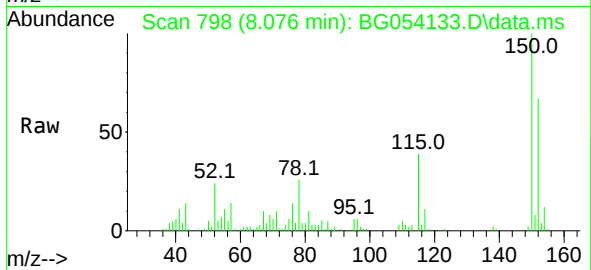
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.076 min Scan# 79
Delta R.T. 0.006 min
Lab File: BG054133.D
Acq: 29 Jun 2022 1:23

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

Tgt Ion:152 Resp: 3661
Ion Ratio Lower Upper
152 100
150 148.5 131.6 197.4
115 58.6 50.9 76.3

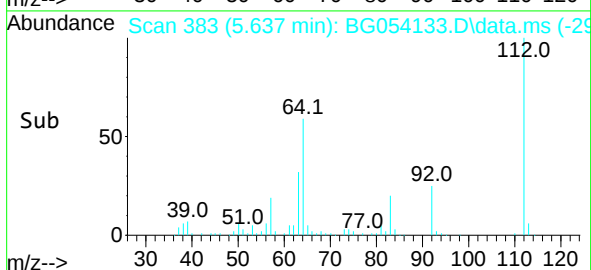
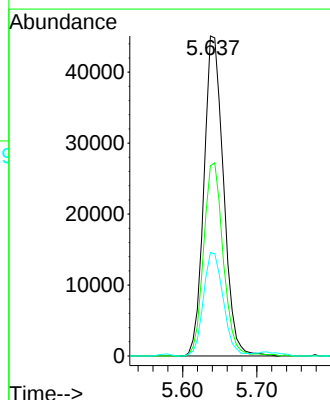
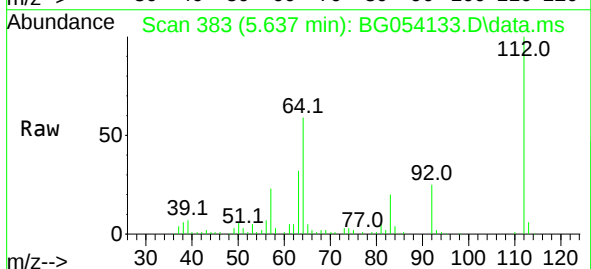
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#5
2-Fluorophenol
Concen: 43.164 ng
RT: 5.637 min Scan# 383
Delta R.T. -0.001 min
Lab File: BG054133.D
Acq: 29 Jun 2022 1:23

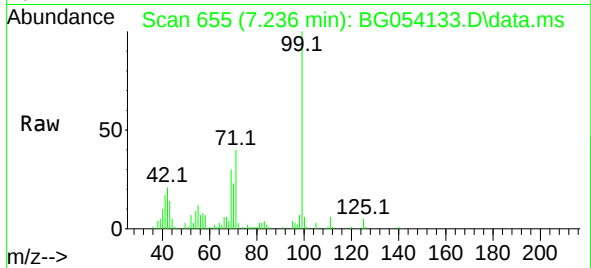
Tgt Ion:112 Resp: 82656
Ion Ratio Lower Upper
112 100
64 59.4 55.1 82.7
63 32.3 30.4 45.6





#7
Phenol-d6
Concen: 41.588 ng
RT: 7.236 min Scan# 61
Delta R.T. 0.005 min
Lab File: BG054133.D
Acq: 29 Jun 2022 1:23

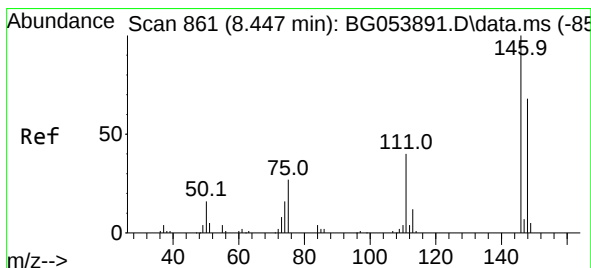
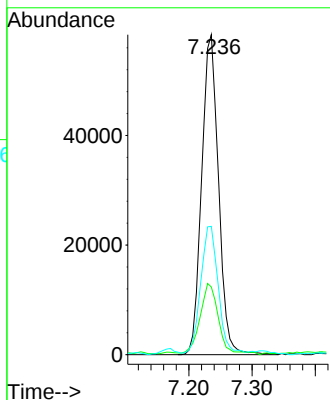
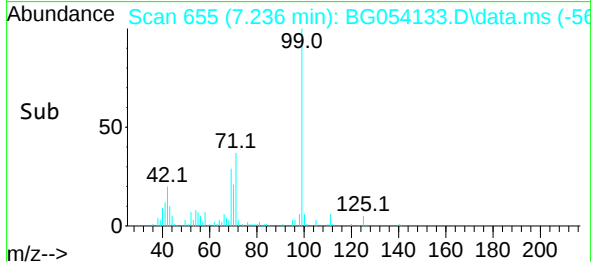
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-1



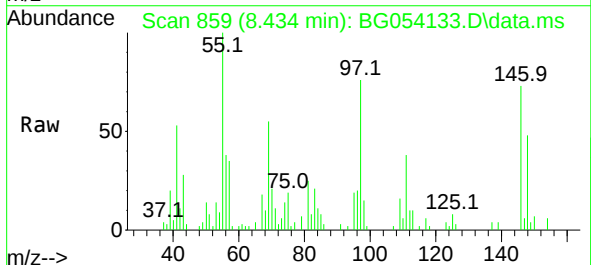
Tgt Ion: 99 Resp: 108036
Ion Ratio Lower Upper
99 100
42 21.2 17.0 25.6
71 40.1 33.8 50.8

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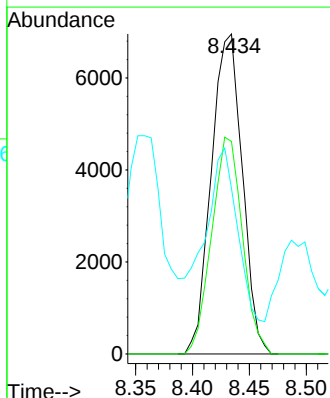
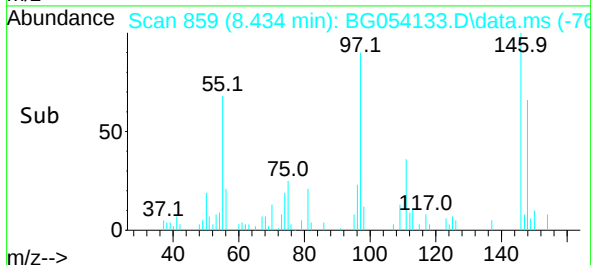
Reviewed By :Christian Giraldo 06/29/2022
Supervised By :Jagrut Upadhyay 06/29/2022



#14
1,2-Dichlorobenzene
Concen: 5.334 ng
RT: 8.434 min Scan# 859
Delta R.T. 0.005 min
Lab File: BG054133.D
Acq: 29 Jun 2022 1:23



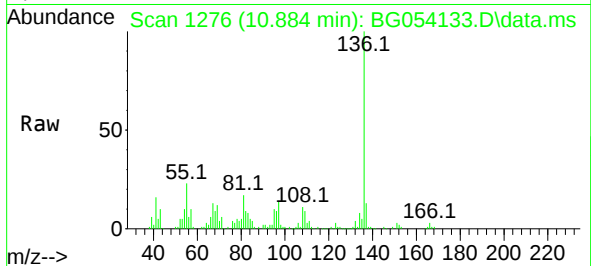
Tgt Ion:146 Resp: 13177
Ion Ratio Lower Upper
146 100
148 66.4 52.6 78.8
111 51.7 34.5 51.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.884 min Scan# 1084
Delta R.T. 0.005 min
Lab File: BG054133.D
Acq: 29 Jun 2022 1:23

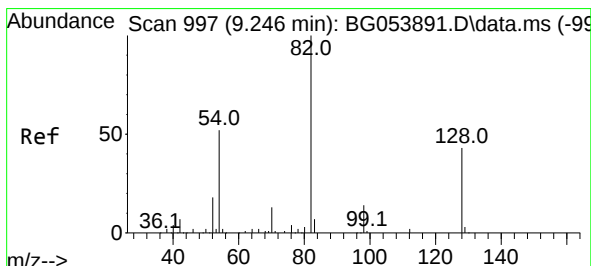
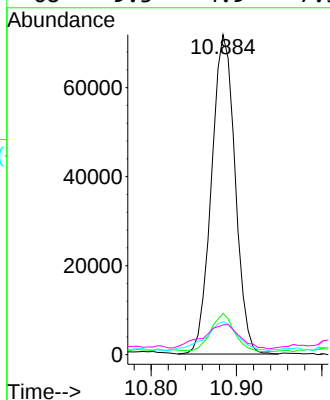
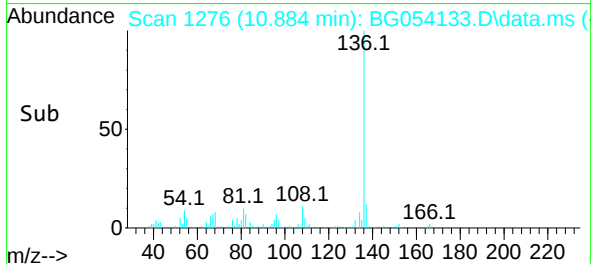
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-1



Tgt Ion:136 Resp: 137744
Ion Ratio Lower Upper
136 100
137 12.8 8.5 12.7
54 10.3 7.4 11.2
68 9.3 4.9 7.3#

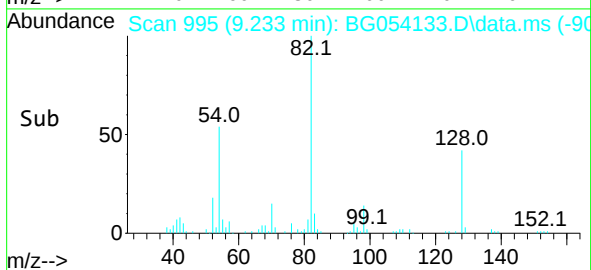
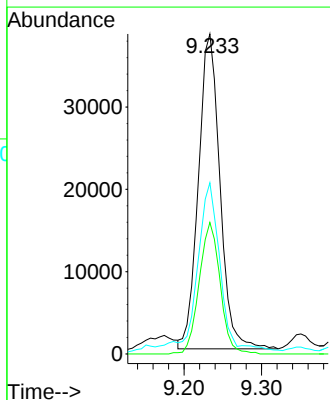
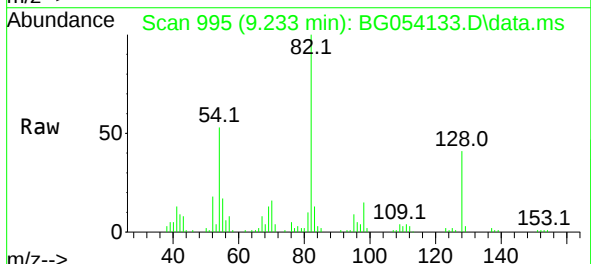
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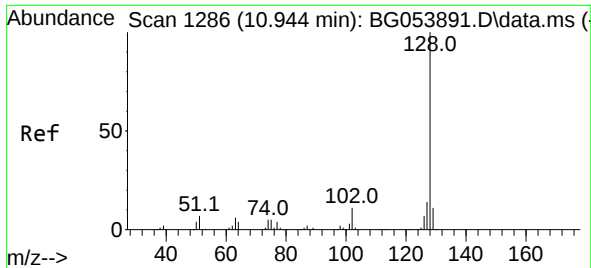
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Supervised By :Jagrut Upadhyay 06/29/2022



#23
Nitrobenzene-d5
Concen: 30.181 ng
RT: 9.233 min Scan# 995
Delta R.T. -0.001 min
Lab File: BG054133.D
Acq: 29 Jun 2022 1:23

Tgt Ion: 82 Resp: 73977
Ion Ratio Lower Upper
82 100
128 41.1 27.9 41.9
54 53.5 41.2 61.8





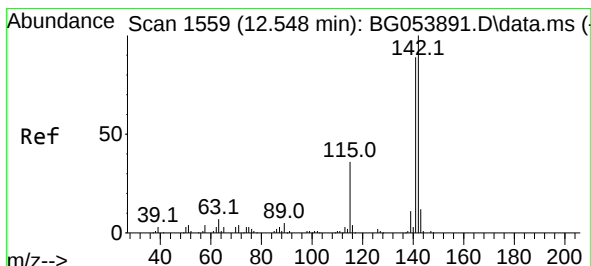
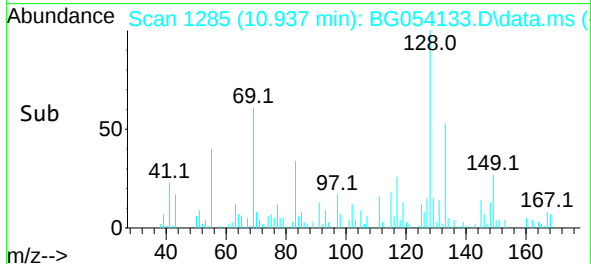
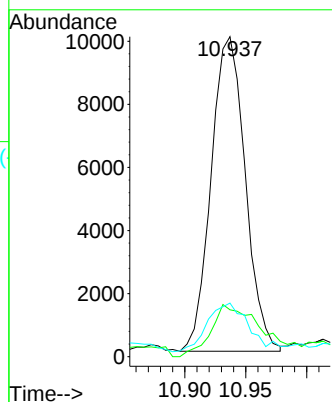
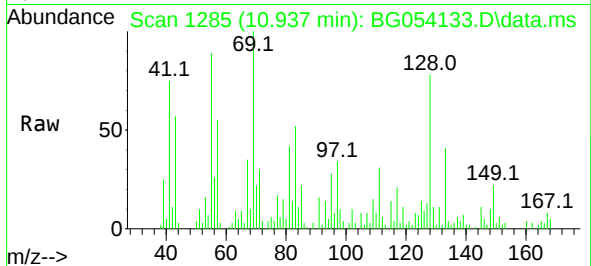
#31
Naphthalene
Concen: 2.798 ng
RT: 10.937 min Scan# 10937
Delta R.T. 0.005 min
Lab File: BG054133.D
Acq: 29 Jun 2022 1:23

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

Tgt Ion:128 Resp: 19458
Ion Ratio Lower Upper
128 100
129 14.6 9.0 13.6
127 16.8 11.1 16.7

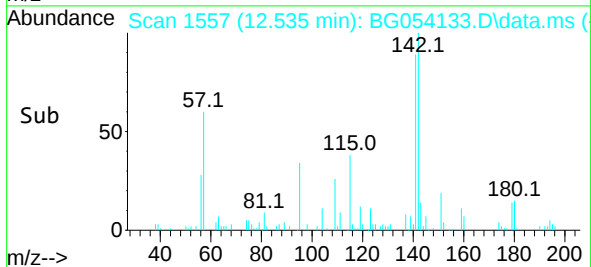
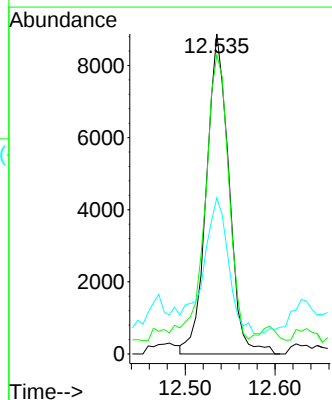
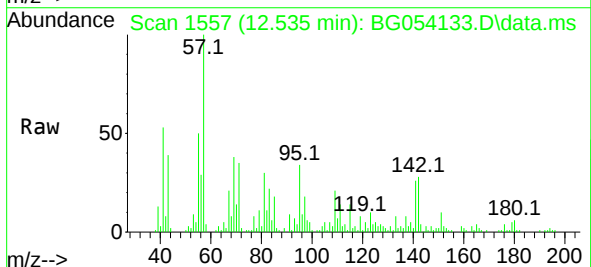
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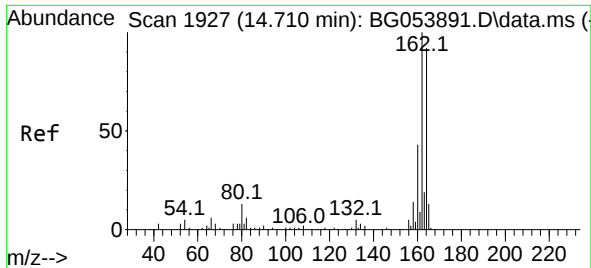
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Supervised By :Jagrut Upadhyay 06/29/2022



#37
2-Methylnaphthalene
Concen: 3.010 ng
RT: 12.535 min Scan# 1557
Delta R.T. 0.005 min
Lab File: BG054133.D
Acq: 29 Jun 2022 1:23

Tgt Ion:142 Resp: 15486
Ion Ratio Lower Upper
142 100
141 93.4 72.3 108.5
115 48.8 33.7 50.5





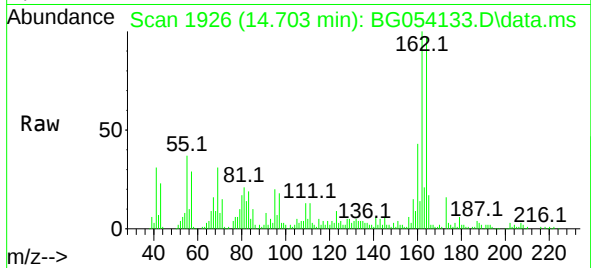
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.703 min Scan# 1927
Delta R.T. 0.005 min
Lab File: BG054133.D
Acq: 29 Jun 2022 1:23

Instrument :

BNA_G

ClientSampleId :

SP-EXC-1-1

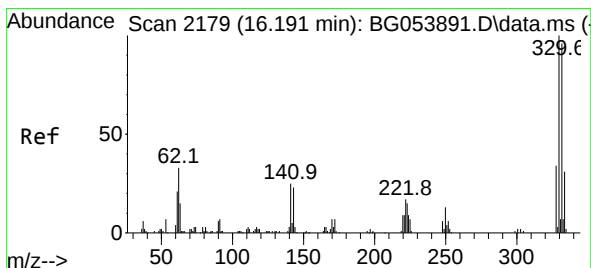
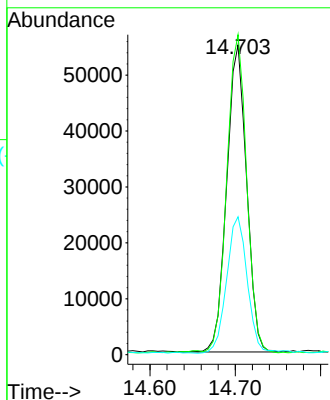
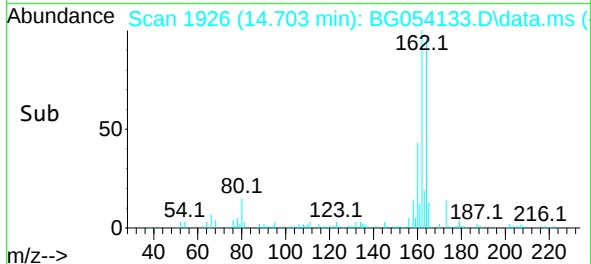


Tgt Ion:164 Resp: 88944
Ion Ratio Lower Upper
164 100
162 103.3 82.3 123.5
160 44.5 34.2 51.2

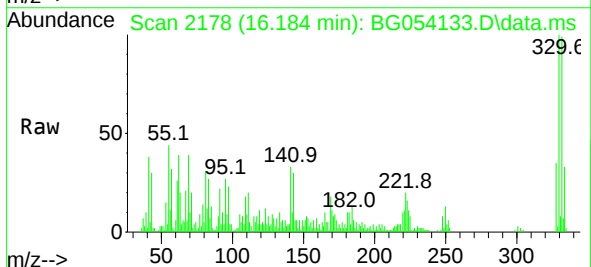
Manual Integrations

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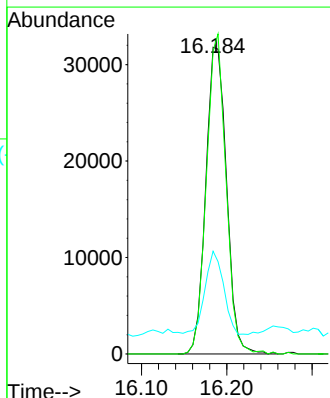
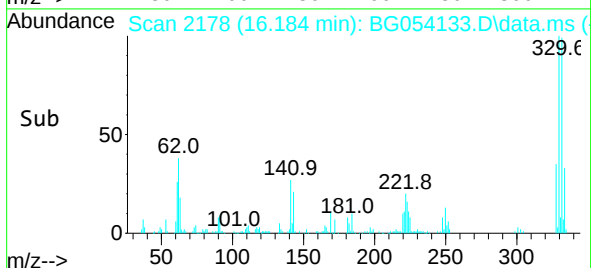
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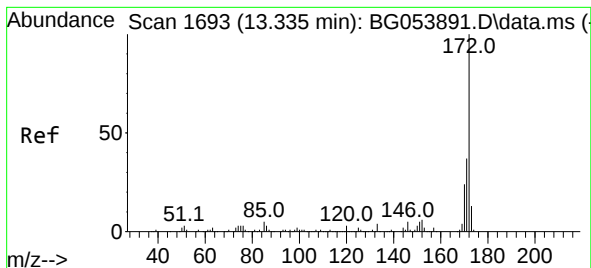


#42
2,4,6-Tribromophenol
Concen: 37.692 ng
RT: 16.184 min Scan# 2178
Delta R.T. -0.001 min
Lab File: BG054133.D
Acq: 29 Jun 2022 1:23



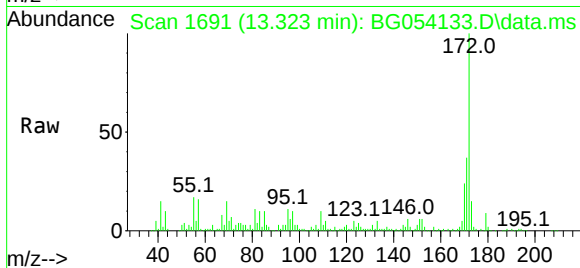
Tgt Ion:330 Resp: 53864
Ion Ratio Lower Upper
330 100
332 98.2 76.0 114.0
141 24.2 27.1 40.7#





#45
2-Fluorobiphenyl
Concen: 29.175 ng
RT: 13.323 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG054133.D
Acq: 29 Jun 2022 1:23

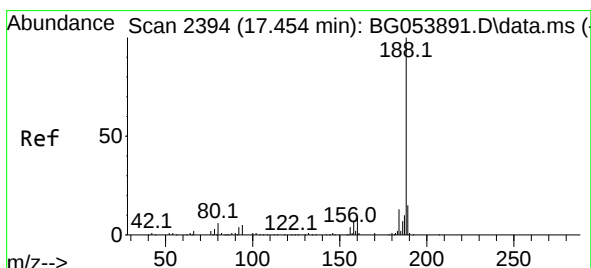
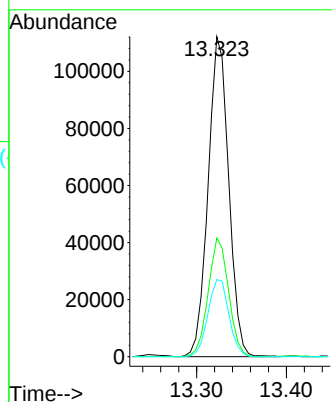
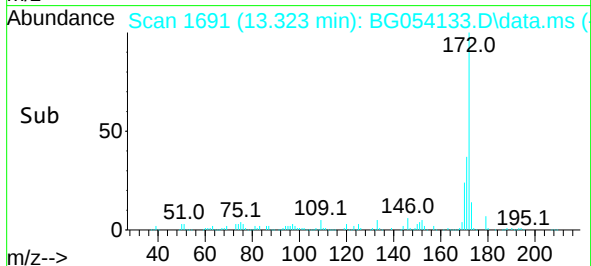
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-1



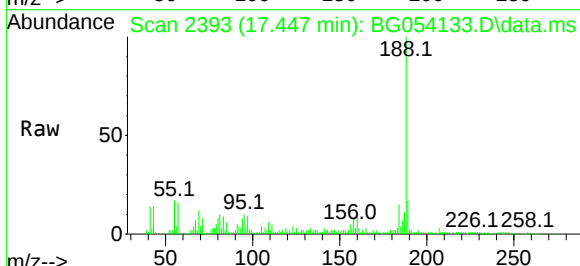
Tgt Ion:172 Resp: 178454
Ion Ratio Lower Upper
172 100
171 37.1 28.5 42.7
170 24.1 18.9 28.3

Manual Integrations
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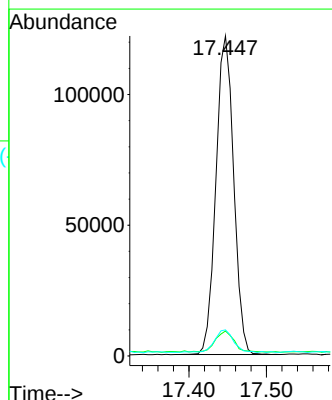
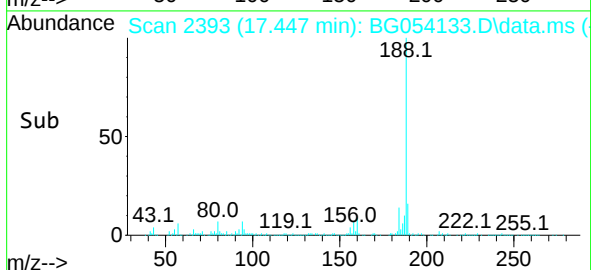
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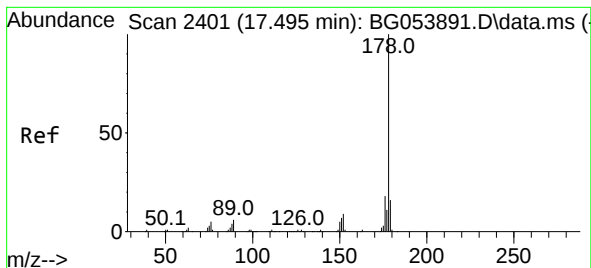


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.447 min Scan# 2393
Delta R.T. 0.005 min
Lab File: BG054133.D
Acq: 29 Jun 2022 1:23



Tgt Ion:188 Resp: 193919
Ion Ratio Lower Upper
188 100
94 7.8 5.4 8.0
80 8.2 6.8 10.2





#71

Phenanthrene

Concen: 2.661 ng

RT: 17.488 min Scan# 2400

Delta R.T. 0.005 min

Lab File: BG054133.D

Acq: 29 Jun 2022 1:23

Instrument :

BNA_G

ClientSampleId :

SP-EXC-1-1

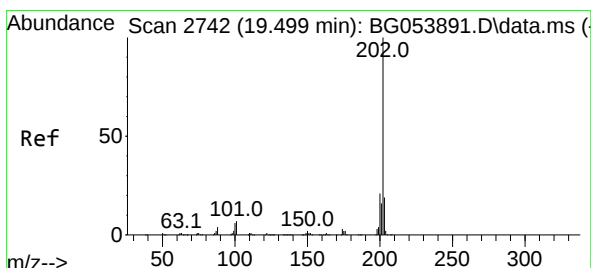
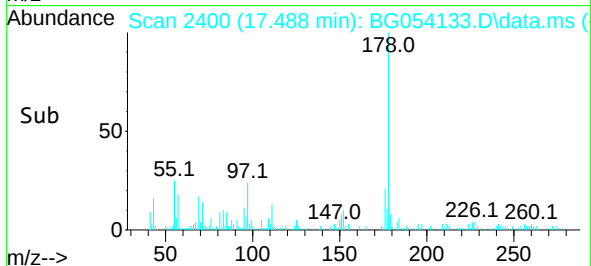
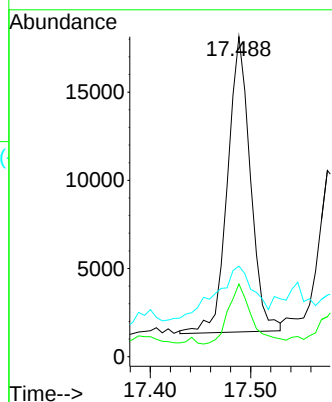
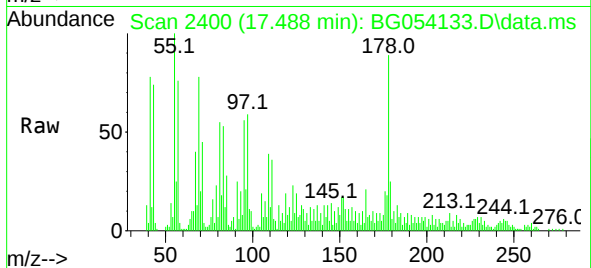
Tgt Ion:	178	Resp:	2651
Ion Ratio	Lower	Upper	
178	100		
176	22.7	14.1	21.1
179	28.3	12.1	18.1

Manual Integrations

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#75

Fluoranthene

Concen: 5.406 ng

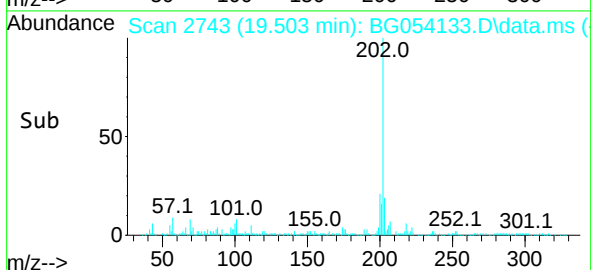
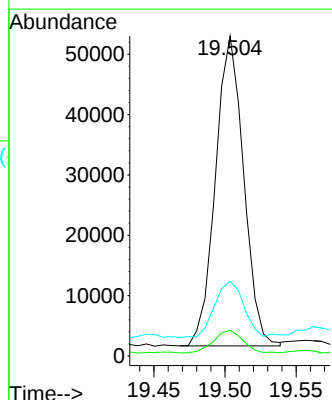
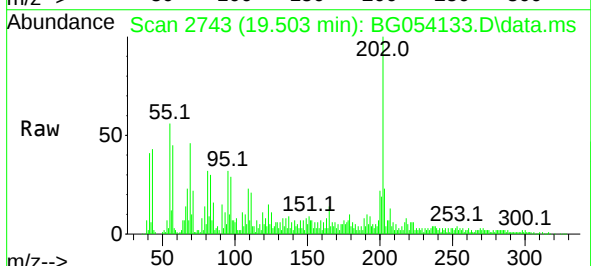
RT: 19.503 min Scan# 2743

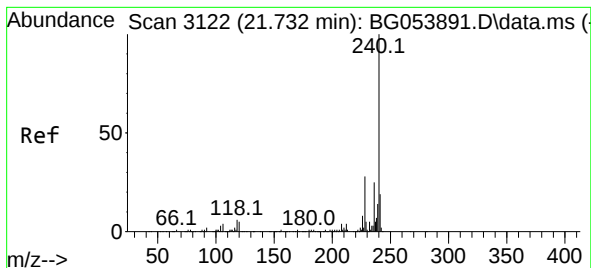
Delta R.T. 0.011 min

Lab File: BG054133.D

Acq: 29 Jun 2022 1:23

Tgt Ion:	202	Resp:	70710
Ion Ratio	Lower	Upper	
202	100		
101	8.1	0.0	26.9
203	23.4	0.0	37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.730 min Scan# 3122

Delta R.T. 0.011 min

Lab File: BG054133.D

Acq: 29 Jun 2022 1:23

Instrument :

BNA_G

ClientSampleId :

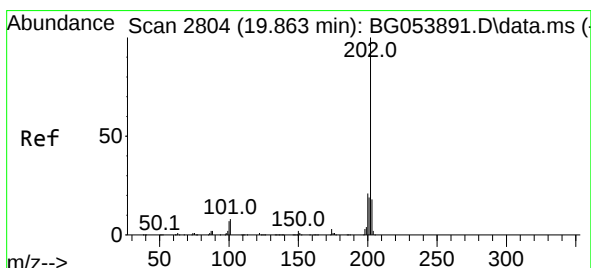
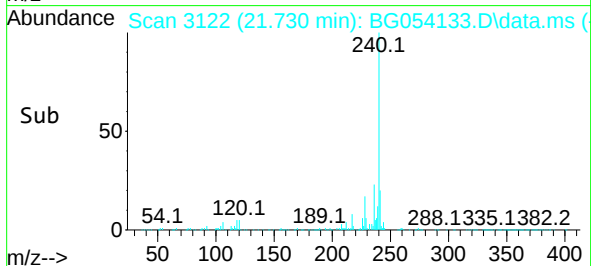
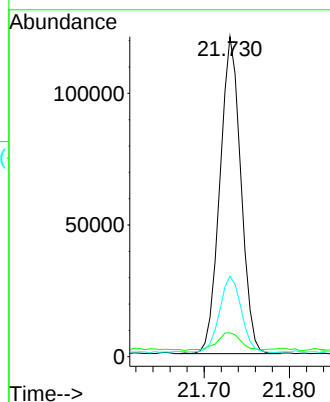
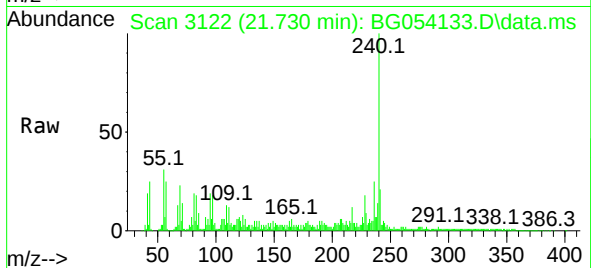
SP-EXC-1-1

Tgt Ion:240 Resp: 205611
 Ion Ratio Lower Upper
 240 100
 120 7.5 4.6 7.0
 236 25.1 20.2 30.4

Manual Integrations

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Reviewed By :Christian Giraldo 06/29/2022
 Supervised By :Jagrut Upadhyay 06/29/2022



#78

Pyrene

Concen: 8.804 ng

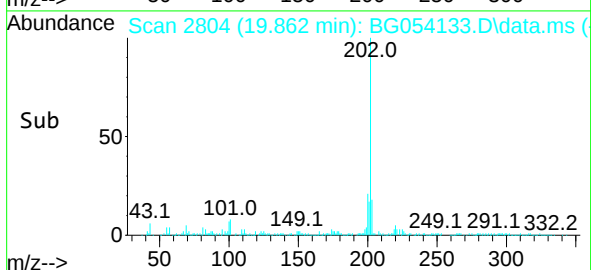
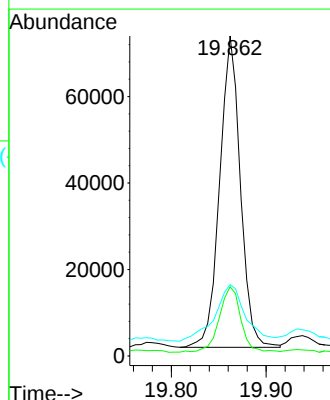
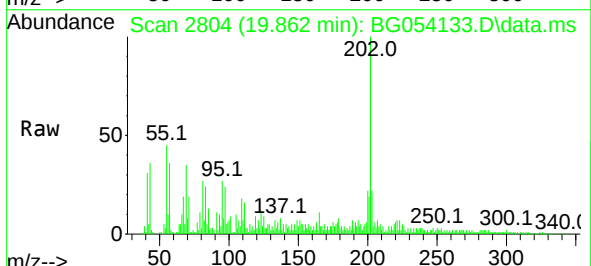
RT: 19.862 min Scan# 2804

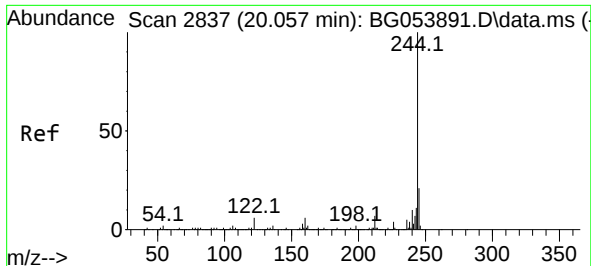
Delta R.T. 0.011 min

Lab File: BG054133.D

Acq: 29 Jun 2022 1:23

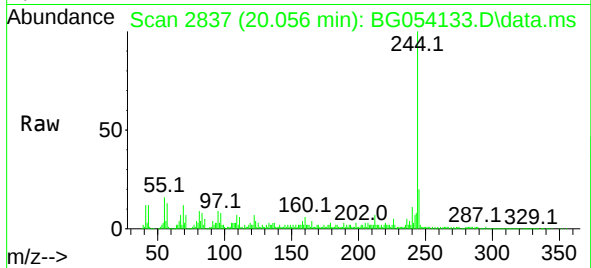
Tgt Ion:202 Resp: 109337
 Ion Ratio Lower Upper
 202 100
 200 21.7 16.6 24.8
 203 22.3 14.6 21.8





#79
Terphenyl-d14
Concen: 29.279 ng
RT: 20.056 min Scan# 21
Delta R.T. 0.011 min
Lab File: BG054133.D
Acq: 29 Jun 2022 1:23

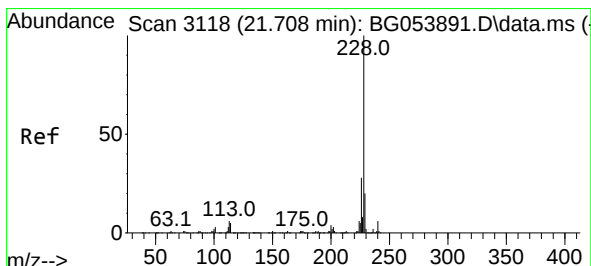
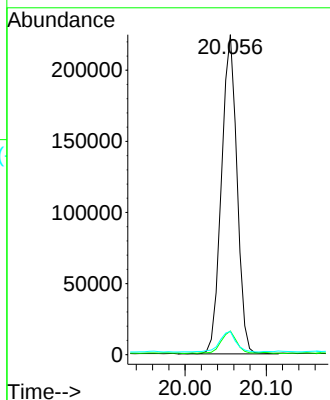
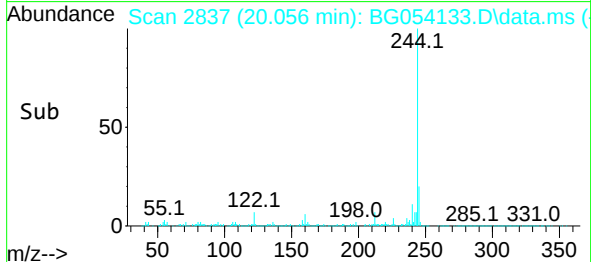
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-1



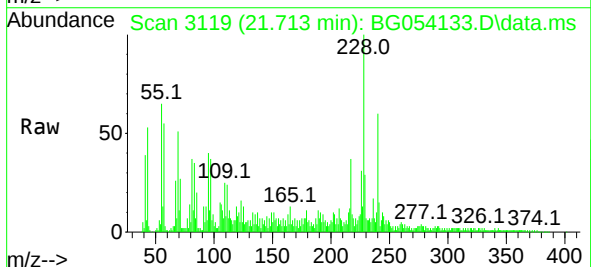
Tgt Ion:244 Resp: 29890
Ion Ratio Lower Upper
244 100
212 7.4 6.5 9.7
122 7.3 5.0 7.4

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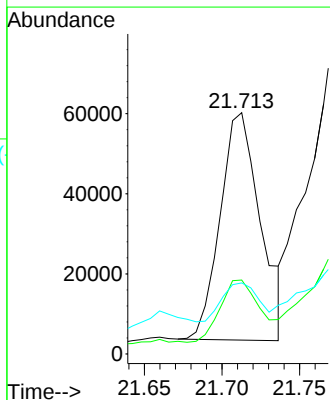
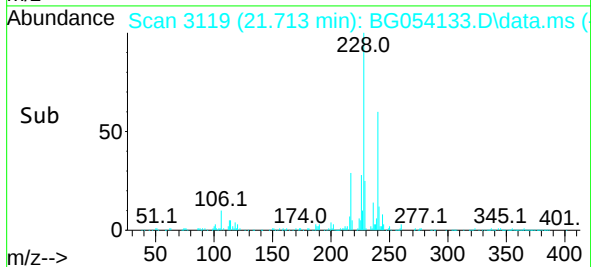
Reviewed By :Christian Giraldo 06/29/2022
Supervised By :Jagrut Upadhyay 06/29/2022

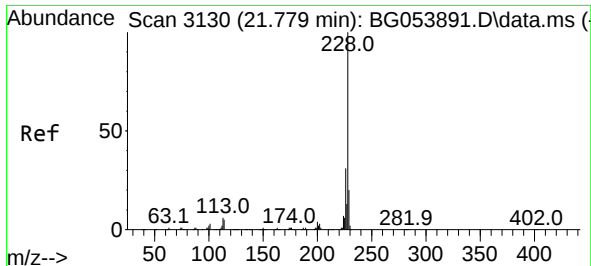


#81
Benzo(a)anthracene
Concen: 7.703 ng
RT: 21.713 min Scan# 3119
Delta R.T. 0.017 min
Lab File: BG054133.D
Acq: 29 Jun 2022 1:23



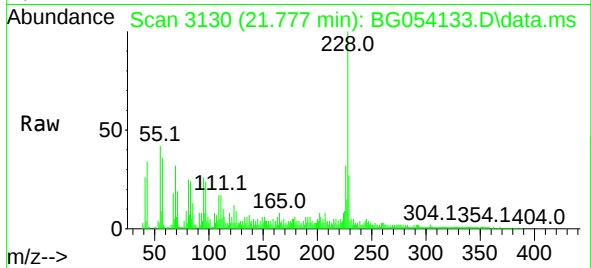
Tgt Ion:228 Resp: 102545
Ion Ratio Lower Upper
228 100
226 30.6 21.6 32.4
229 29.4 16.2 24.2#





#83
Chrysene
Concen: 15.197 ng
RT: 21.777 min Scan# 31
Delta R.T. 0.017 min
Lab File: BG054133.D
Acq: 29 Jun 2022 1:23

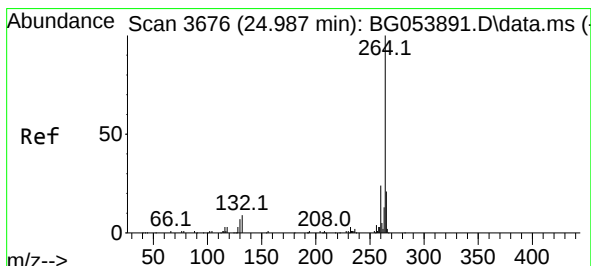
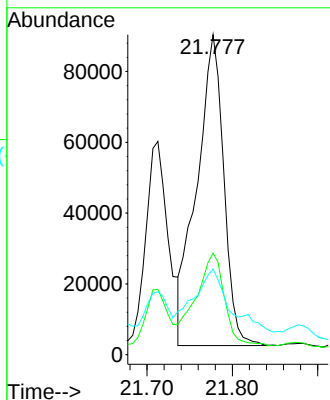
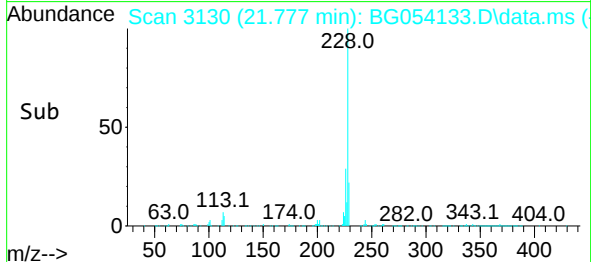
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-1



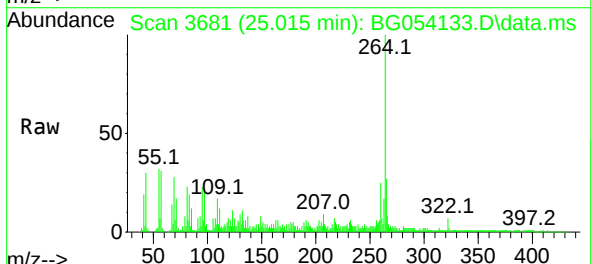
Tgt Ion:228 Resp: 192854
Ion Ratio Lower Upper
228 100
226 31.7 23.4 35.2
229 26.8 15.5 23.3

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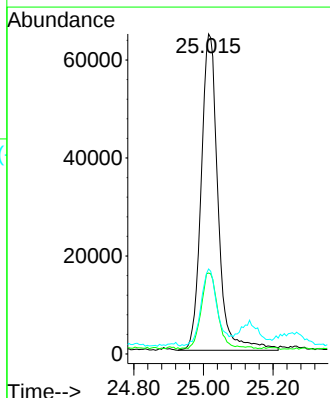
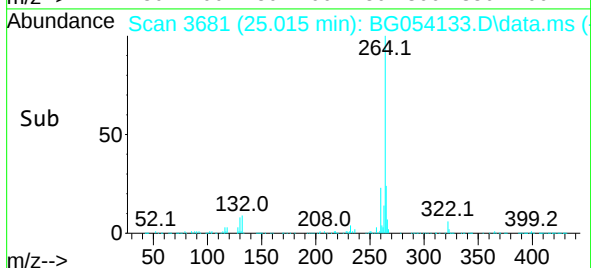
Reviewed By :Christian Giraldo 06/29/2022
Supervised By :Jagrut Upadhyay 06/29/2022

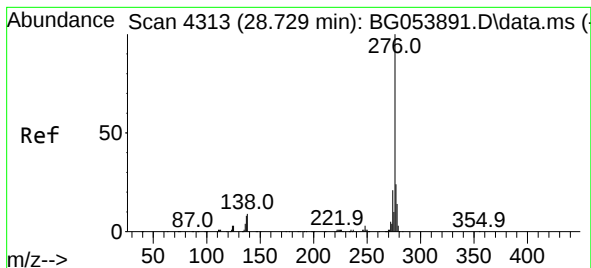


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.015 min Scan# 3681
Delta R.T. 0.052 min
Lab File: BG054133.D
Acq: 29 Jun 2022 1:23



Tgt Ion:264 Resp: 216751
Ion Ratio Lower Upper
264 100
260 25.3 19.0 28.6
265 26.5 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.978 ng

RT: 28.775 min Scan# 41

Delta R.T. 0.088 min

Lab File: BG054133.D

Acq: 29 Jun 2022 1:23

Instrument :

BNA_G

ClientSampleId :

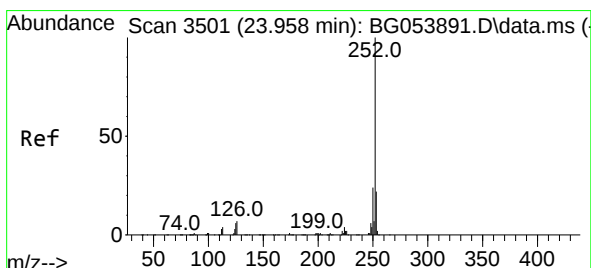
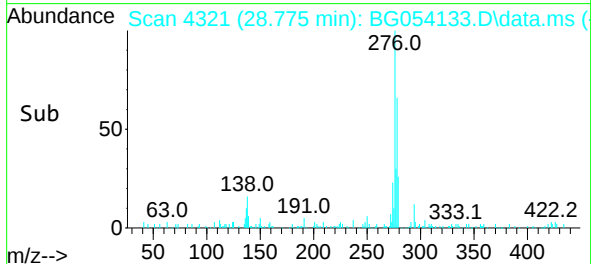
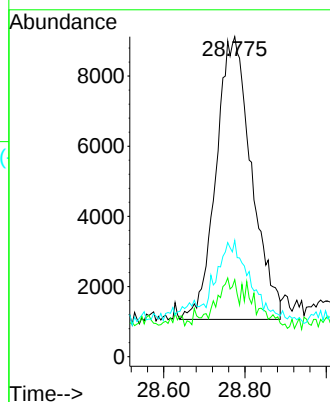
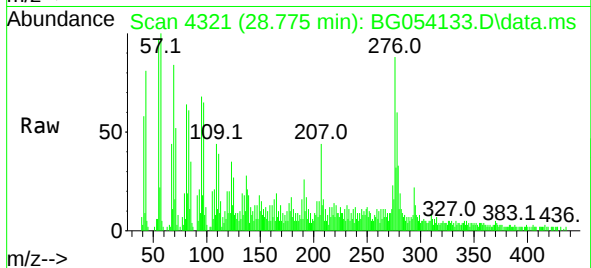
SP-EXC-1-1

Tgt Ion:276 Resp: 48704
 Ion Ratio Lower Upper
 276 100
 138 6.8 5.0 7.4
 277 25.1 20.3 30.5

Manual Integrations

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Reviewed By :Christian Giraldo 06/29/2022
 Supervised By :Jagrut Upadhyay 06/29/2022



#88

Benzo(b)fluoranthene

Concen: 9.160 ng m

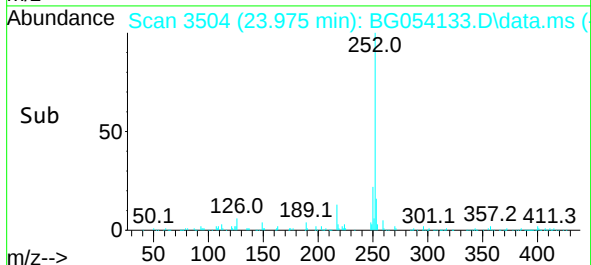
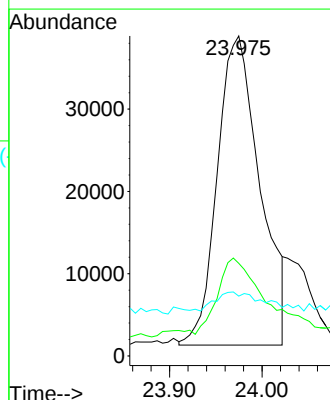
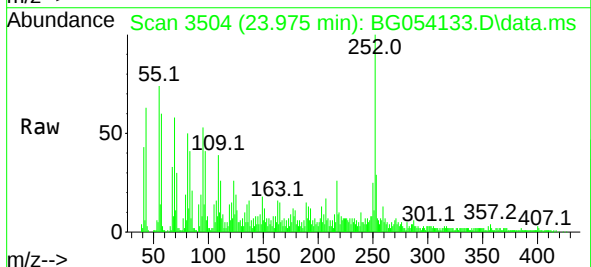
RT: 23.975 min Scan# 3504

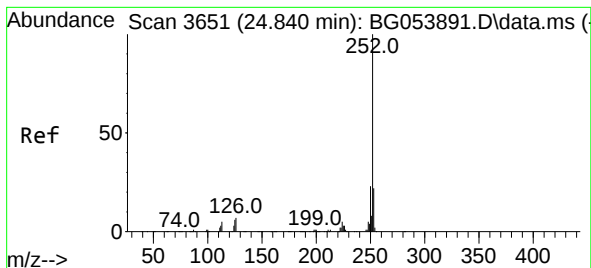
Delta R.T. 0.041 min

Lab File: BG054133.D

Acq: 29 Jun 2022 1:23

Tgt Ion:252 Resp: 120725
 Ion Ratio Lower Upper
 252 100
 253 29.0 18.0 27.0#
 125 18.7 4.6 6.8#





#90

Benzo(a)pyrene

Concen: 9.598 ng

RT: 24.862 min Scan# 30

Delta R.T. 0.046 min

Lab File: BG054133.D

Acq: 29 Jun 2022 1:23

Instrument :

BNA_G

ClientSampleId :

SP-EXC-1-1

Tgt Ion:252 Resp: 10672

Ion Ratio Lower Upper

252 100

253 29.0 17.8 26.8

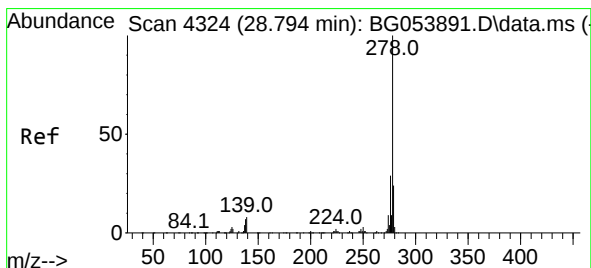
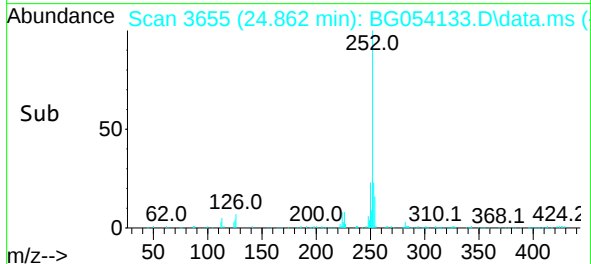
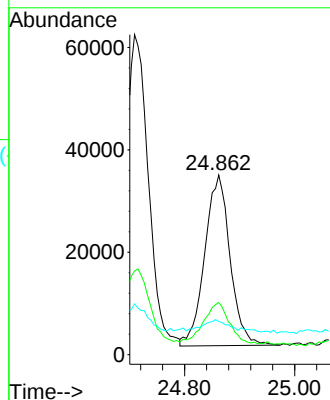
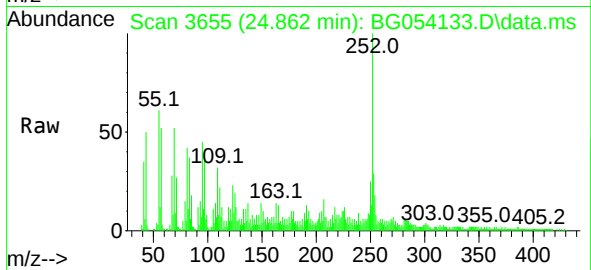
125 18.5 4.3 6.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/29/2022

Supervised By :Jagrut Upadhyay 06/29/2022



#91

Dibenzo(a,h)anthracene

Concen: 3.307 ng

RT: 28.810 min Scan# 4327

Delta R.T. 0.064 min

Lab File: BG054133.D

Acq: 29 Jun 2022 1:23

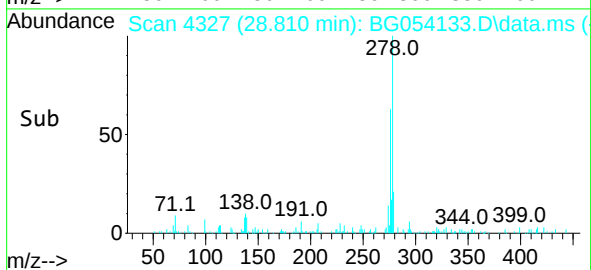
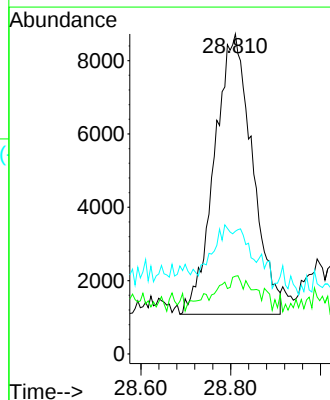
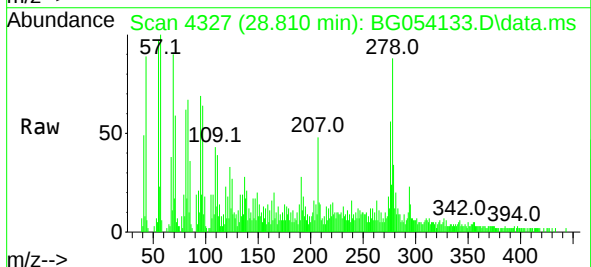
Tgt Ion:278 Resp: 44727

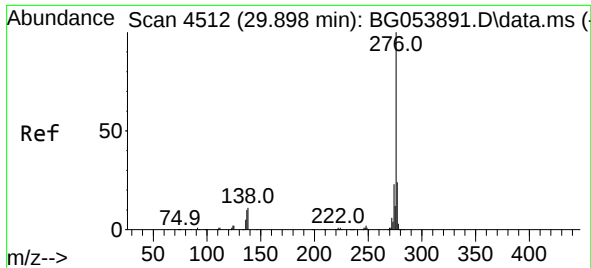
Ion Ratio Lower Upper

278 100

139 24.3 7.2 10.8

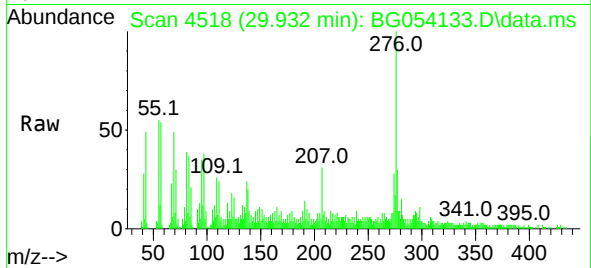
279 38.3 18.6 27.8





#92
Benzo(g,h,i)perylene
Concen: 6.191 ng
RT: 29.932 min Scan# 4518
Delta R.T. 0.070 min
Lab File: BG054133.D
Acq: 29 Jun 2022 1:23

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



Tgt Ion:276 Resp: 82640
Ion Ratio Lower Upper
276 100
277 29.5 17.3 25.9
138 19.7 9.6 14.4

Manual Integrations
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Reviewed By :Christian Giraldo 06/29/2022
Supervised By :Jagrut Upadhyay 06/29/2022

