

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072122\
 Data File : BG054353.D
 Acq On : 21 Jul 2022 20:37
 Operator : CG/JU
 Sample : N3786-13
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 0718-WC-TP-WC5A

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/22/2022
 Supervised By : Jagrut Upadhyay 07/22/2022

Quant Time: Jul 22 02:38:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 15:54:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.001	152	21199	20.000	ng	# 0.00
21) Naphthalene-d8	10.803	136	79790	20.000	ng	# 0.00
39) Acenaphthene-d10	14.634	164	63813	20.000	ng	0.00
64) Phenanthrene-d10	17.378	188	155417	20.000	ng	# 0.00
76) Chrysene-d12	21.644	240	164248	20.000	ng	# 0.00
86) Perylene-d12	24.858	264	177111	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.574	112	94510	93.083	ng	0.00
7) Phenol-d6	7.178	99	125179	89.975	ng	0.00
23) Nitrobenzene-d5	9.158	82	84606	57.744	ng	0.00
42) 2,4,6-Tribromophenol	16.121	330	117292	87.542	ng	0.00
45) 2-Fluorobiphenyl	13.253	172	258656	57.180	ng	0.00
79) Terphenyl-d14	19.987	244	503651	60.831	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.419	178	95816	12.380	ng	99
72) Anthracene	17.507	178	21412	2.819	ng	96
75) Fluoranthene	19.429	202	165551	15.691	ng	96
78) Pyrene	19.793	202	138935	14.742	ng	99
81) Benzo(a)anthracene	21.626	228	92463	8.868	ng	99
83) Chrysene	21.691	228	79207	8.041	ng	95
87) Indeno(1,2,3-cd)pyrene	28.524	276	49565	3.679	ng	97
88) Benzo(b)fluoranthene	23.835	252	100927	9.636	ng	97
89) Benzo(k)fluoranthene	23.882	252	38874m	3.729	ng	
90) Benzo(a)pyrene	24.705	252	73004	8.161	ng	99
92) Benzo(g,h,i)perylene	29.675	276	45557	4.166	ng	# 91

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

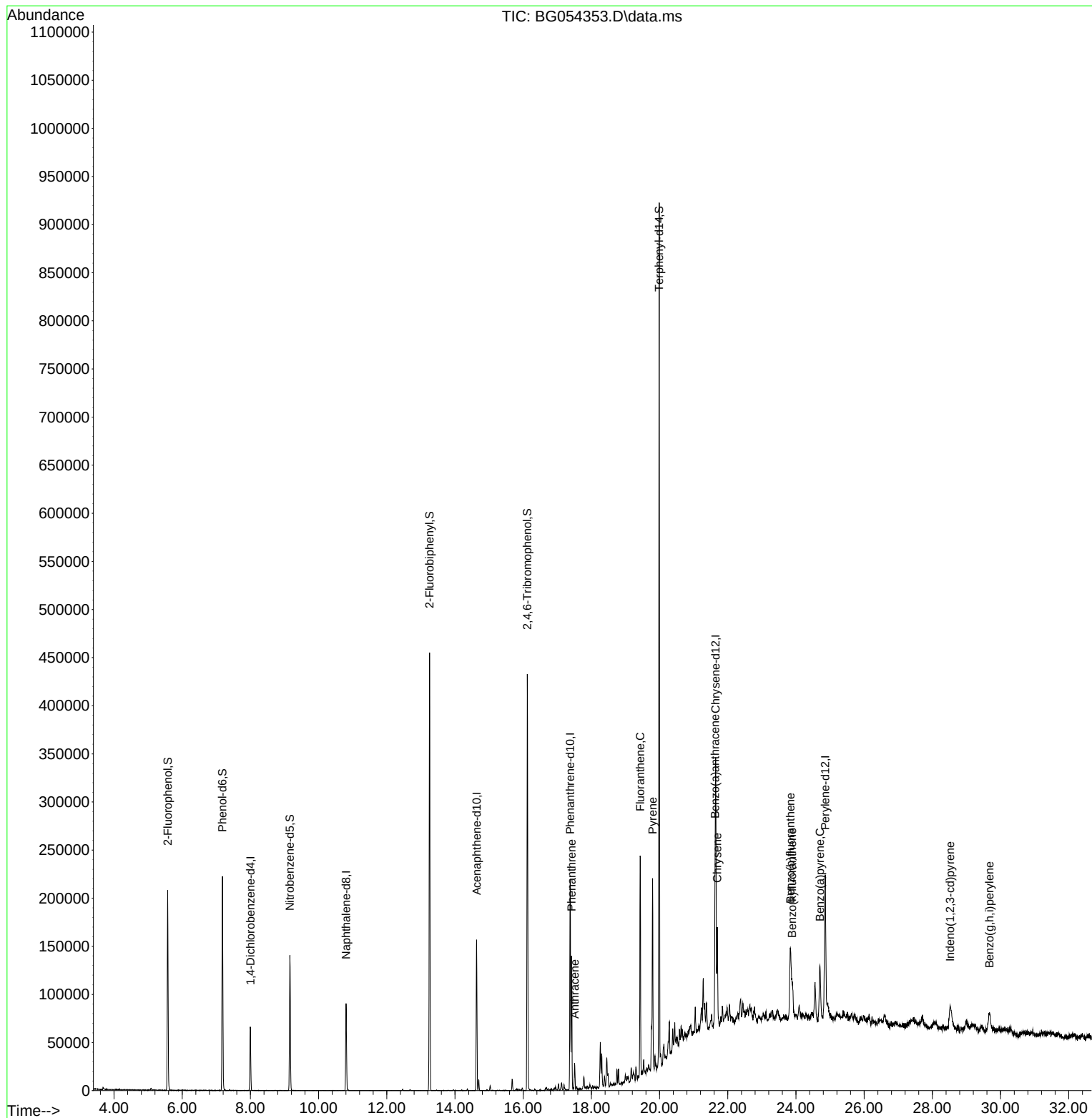
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072122\
Data File : BG054353.D
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ALS Vial : 14 Sample Multiplier: 1

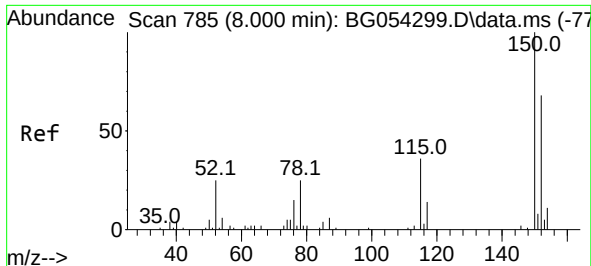
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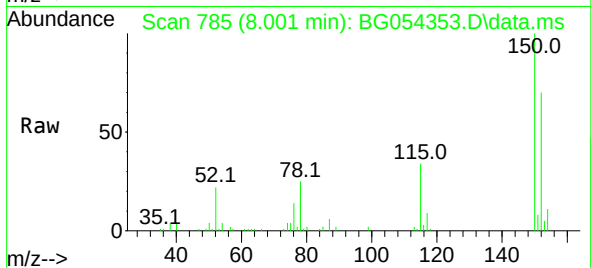
Quant Time: Jul 22 02:38:01 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 15 15:54:11 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.001 min Scan# 785
Delta R.T. 0.001 min
Lab File: BG054353.D
Acq: 21 Jul 2022 20:37

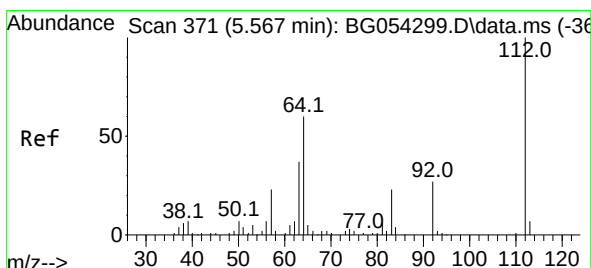
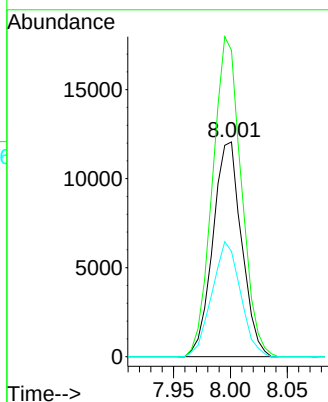
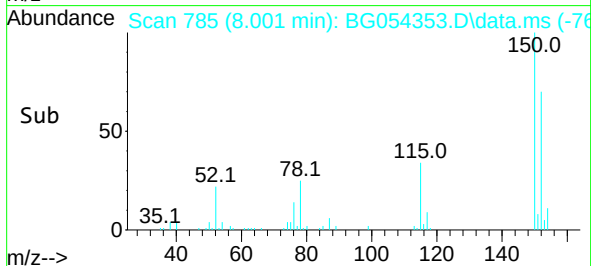
Instrument :
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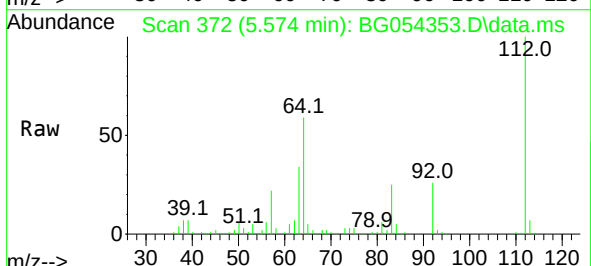
Tgt Ion:152 Resp: 21199
Ion Ratio Lower Upper
152 100
150 142.6 131.6 197.4
115 49.1 50.9 76.3

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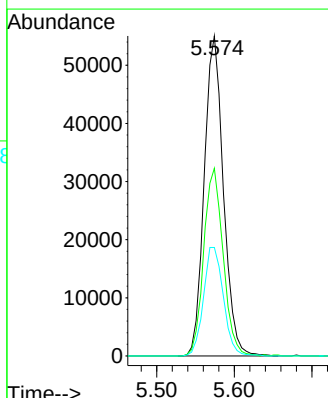
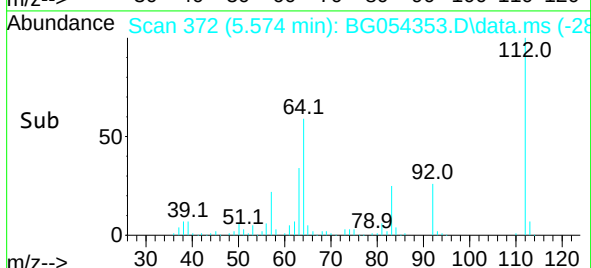
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

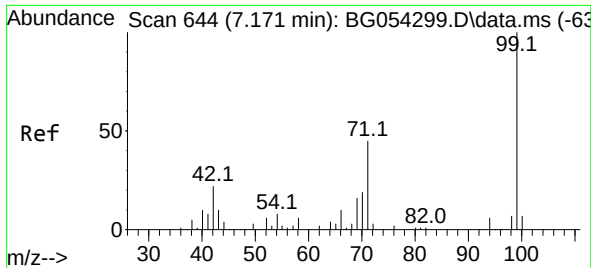


#5
2-Fluorophenol
Concen: 93.083 ng
RT: 5.574 min Scan# 372
Delta R.T. 0.007 min
Lab File: BG054353.D
Acq: 21 Jul 2022 20:37



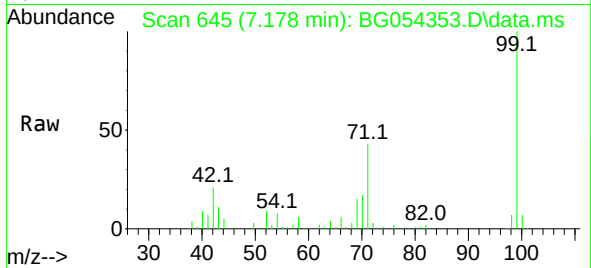
Tgt Ion:112 Resp: 94510
Ion Ratio Lower Upper
112 100
64 58.7 55.1 82.7
63 33.9 30.4 45.6





#7
Phenol-d6
Concen: 89.975 ng
RT: 7.178 min Scan# 644
Delta R.T. 0.007 min
Lab File: BG054353.D
Acq: 21 Jul 2022 20:37

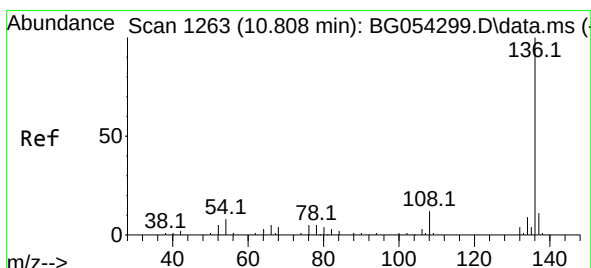
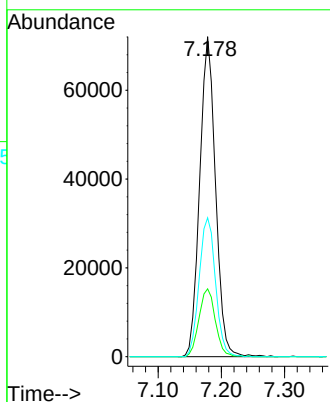
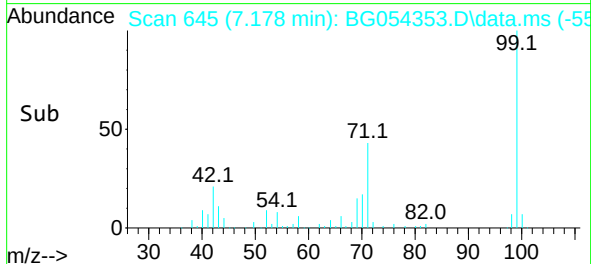
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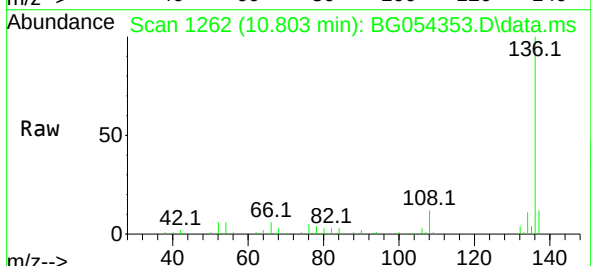
Tgt Ion: 99 Resp: 125179
Ion Ratio Lower Upper
99 100
42 21.2 17.0 25.6
71 43.4 33.8 50.8

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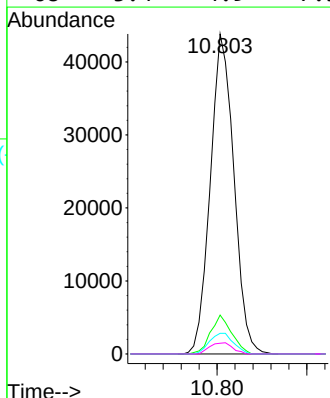
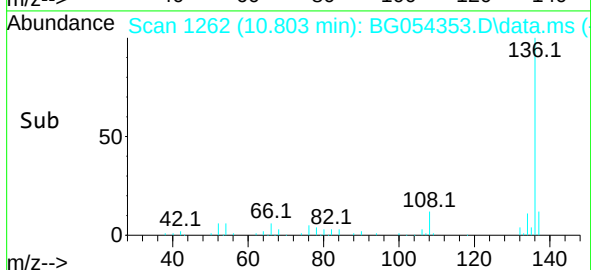
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

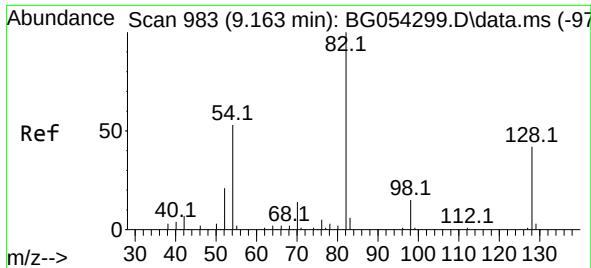


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.803 min Scan# 1262
Delta R.T. -0.005 min
Lab File: BG054353.D
Acq: 21 Jul 2022 20:37



Tgt Ion:136 Resp: 79790
Ion Ratio Lower Upper
136 100
137 12.2 8.5 12.7
54 6.4 7.4 11.2#
68 3.4 4.9 7.3#





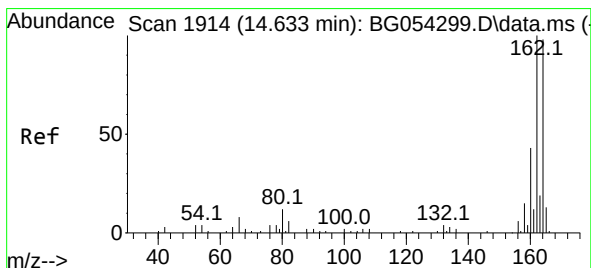
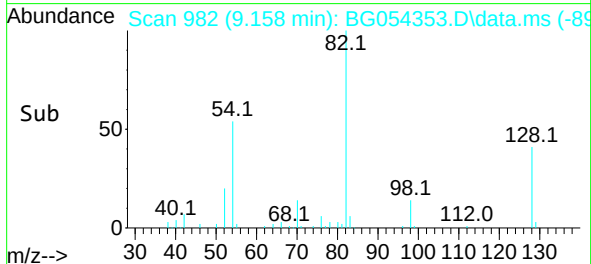
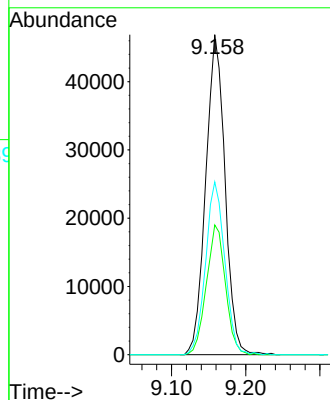
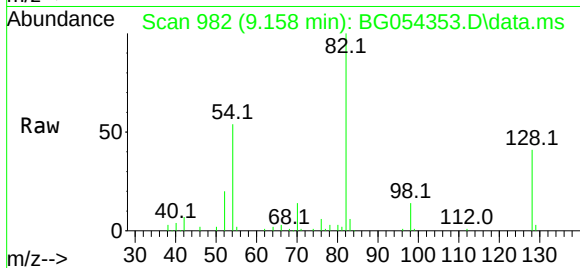
#23
Nitrobenzene-d5
Concen: 57.744 ng
RT: 9.158 min Scan# 91
Delta R.T. -0.005 min
Lab File: BG054353.D
Acq: 21 Jul 2022 20:37

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion: 82 Resp: 84600
Ion Ratio Lower Upper
82 100
128 40.6 27.9 41.9
54 54.0 41.2 61.8

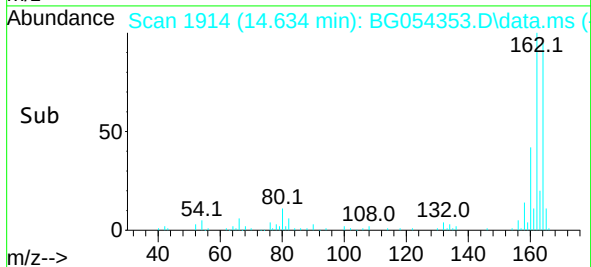
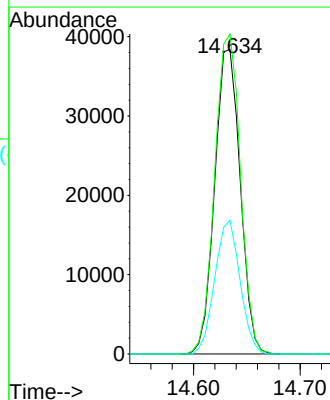
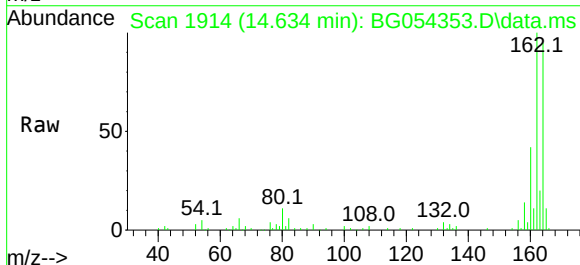
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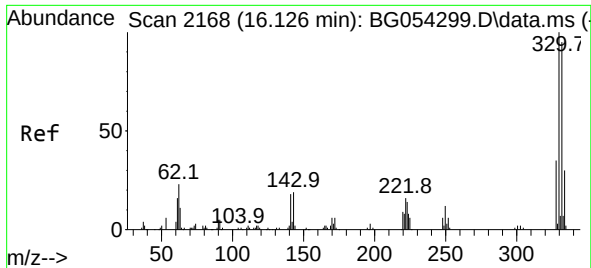
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.634 min Scan# 1914
Delta R.T. 0.001 min
Lab File: BG054353.D
Acq: 21 Jul 2022 20:37

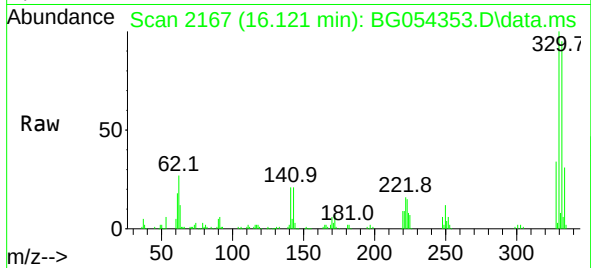
Tgt Ion:164 Resp: 63813
Ion Ratio Lower Upper
164 100
162 105.1 82.3 123.5
160 43.9 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 87.542 ng
RT: 16.121 min Scan# 2168
Delta R.T. -0.005 min
Lab File: BG054353.D
Acq: 21 Jul 2022 20:37

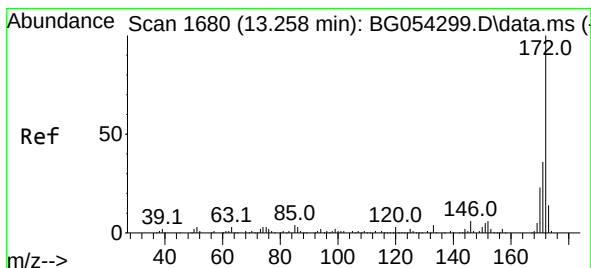
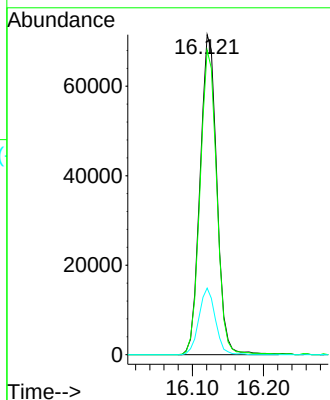
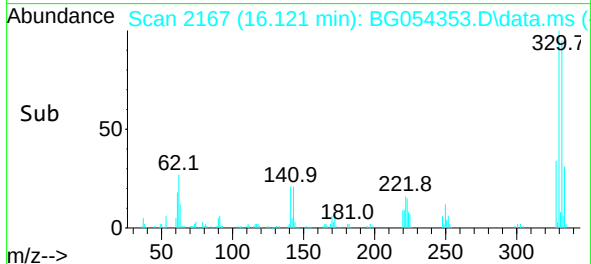
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ClientSampleId :
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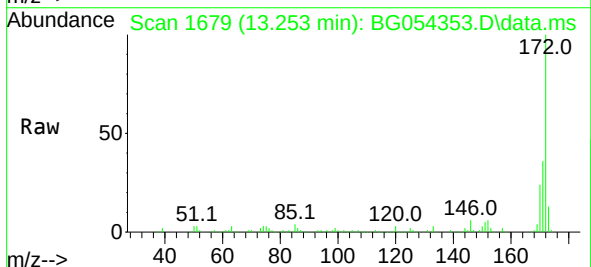
Tgt Ion:330 Resp: 117292
Ion Ratio Lower Upper
330 100
332 95.3 76.0 114.0
141 20.4 27.1 40.7

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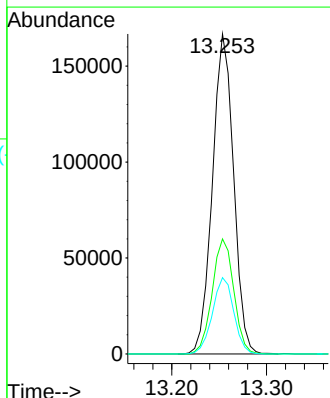
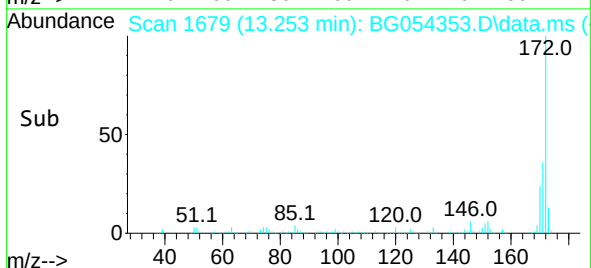
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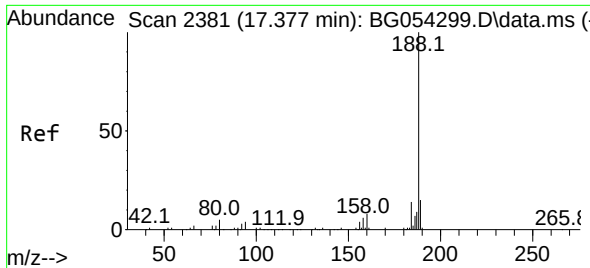


#45
2-Fluorobiphenyl
Concen: 57.180 ng
RT: 13.253 min Scan# 1679
Delta R.T. -0.005 min
Lab File: BG054353.D
Acq: 21 Jul 2022 20:37



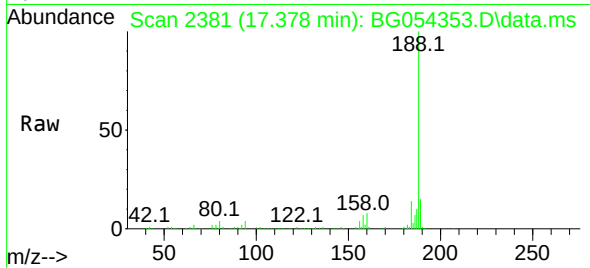
Tgt Ion:172 Resp: 258656
Ion Ratio Lower Upper
172 100
171 36.0 28.5 42.7
170 23.9 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.378 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG054353.D
Acq: 21 Jul 2022 20:37

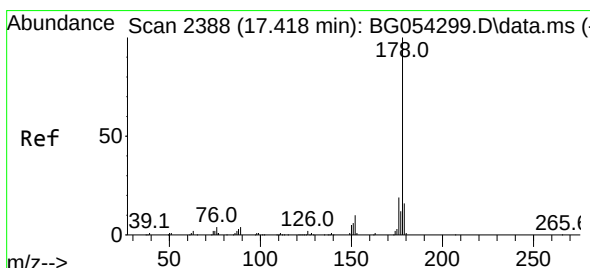
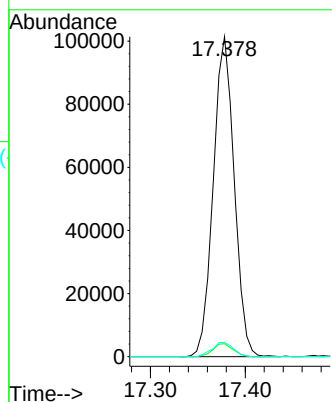
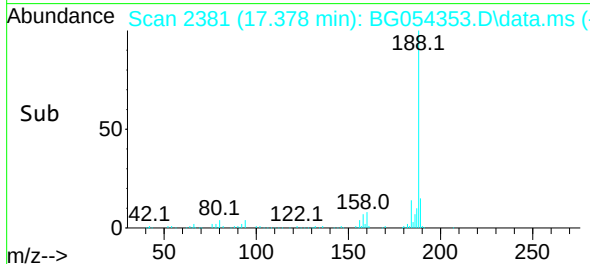
Instrument :
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ClientSampleId :
0718-WC-TP-WC5A



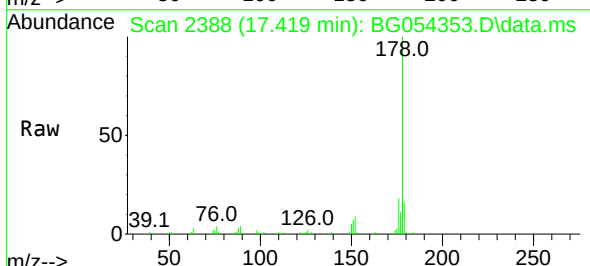
Tgt Ion:188 Resp: 155417
Ion Ratio Lower Upper
188 100
94 4.1 5.4 8.0
80 4.5 6.8 10.2

Manual Integrations
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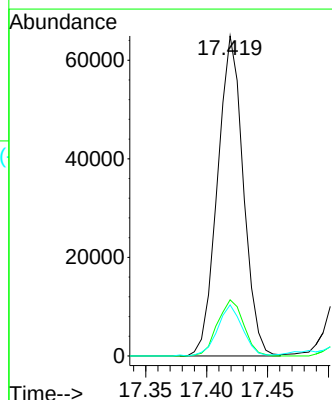
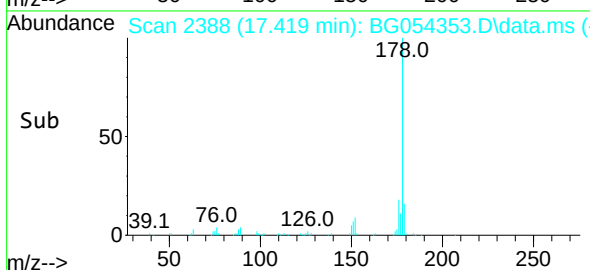
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

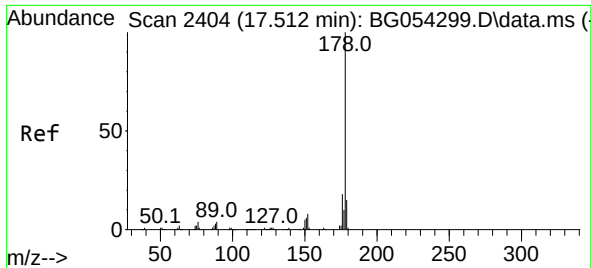


#71
Phenanthrene
Concen: 12.380 ng
RT: 17.419 min Scan# 2388
Delta R.T. 0.001 min
Lab File: BG054353.D
Acq: 21 Jul 2022 20:37



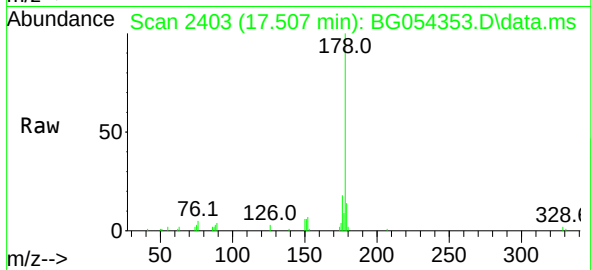
Tgt Ion:178 Resp: 95816
Ion Ratio Lower Upper
178 100
176 17.5 14.1 21.1
179 15.9 12.1 18.1





#72
 Anthracene
 Concen: 2.819 ng
 RT: 17.507 min Scan# 2404
 Delta R.T. -0.005 min
 Lab File: BG054353.D
 Acq: 21 Jul 2022 20:37

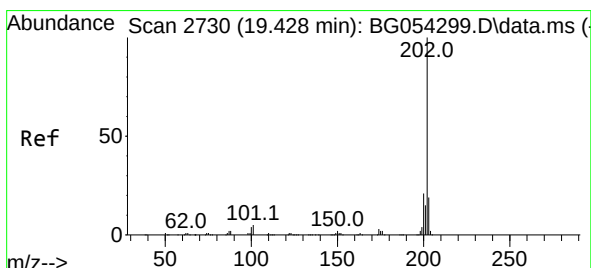
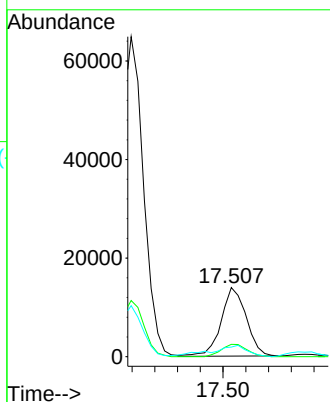
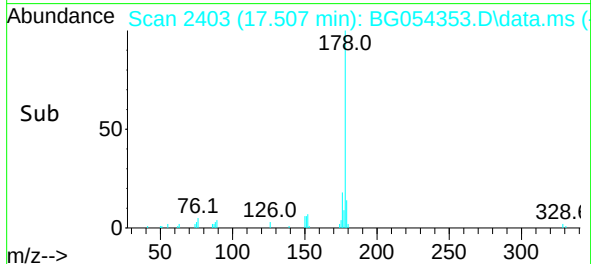
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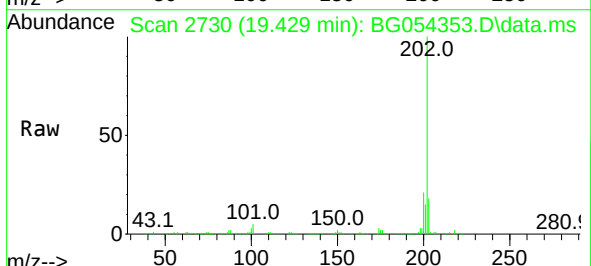
Tgt Ion:178 Resp: 21412
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.2 22.8
 179 13.8 13.0 19.4

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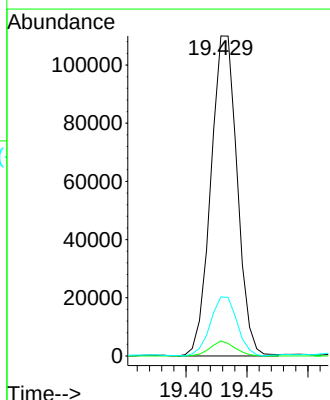
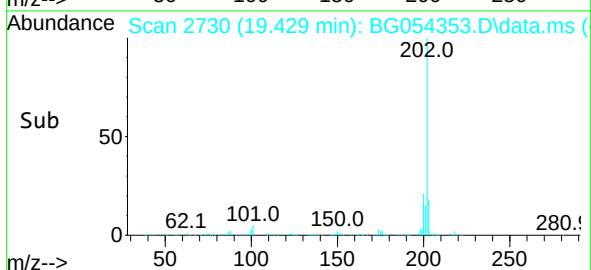
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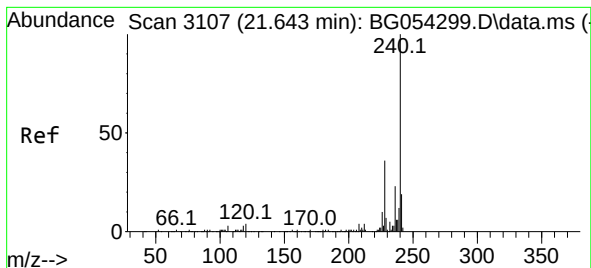


#75
 Fluoranthene
 Concen: 15.691 ng
 RT: 19.429 min Scan# 2730
 Delta R.T. 0.001 min
 Lab File: BG054353.D
 Acq: 21 Jul 2022 20:37



Tgt Ion:202 Resp: 165551
 Ion Ratio Lower Upper
 202 100
 101 4.7 0.0 26.9
 203 18.4 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.644 min Scan# 3107

Delta R.T. 0.001 min

Lab File: BG054353.D

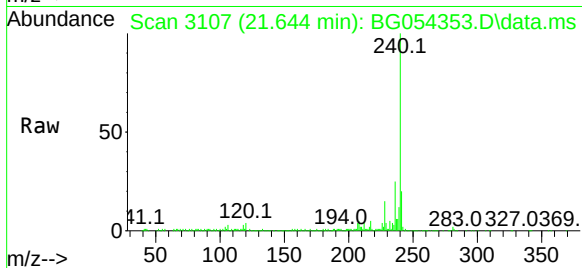
Acq: 21 Jul 2022 20:37

Instrument :

BNA_G

ClientSampleId :

0718-WC-TP-WC5A



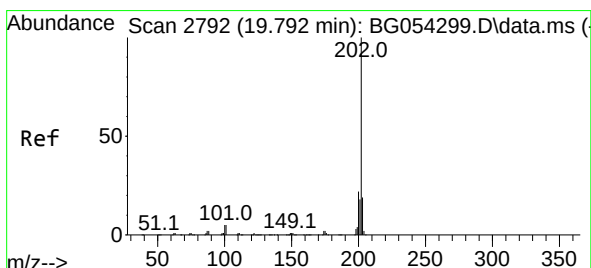
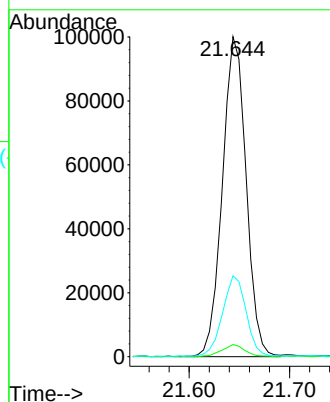
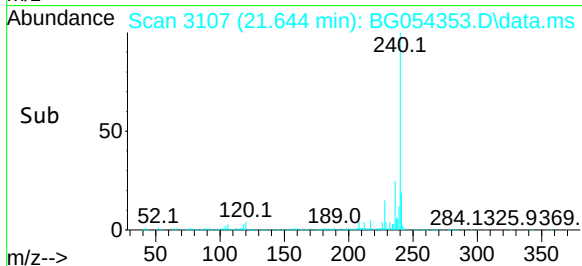
Tgt Ion:	240	Resp:	16424
Ion Ratio	Lower	Upper	
240	100		
120	3.8	4.6	7.0
236	25.3	20.2	30.4

Manual Integrations

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#78

Pyrene

Concen: 14.742 ng

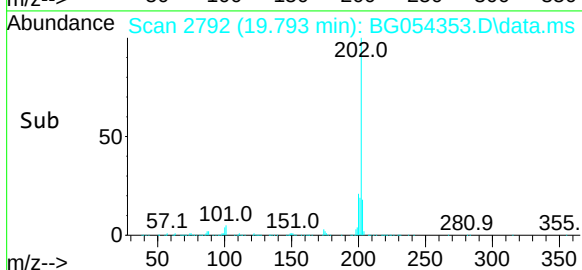
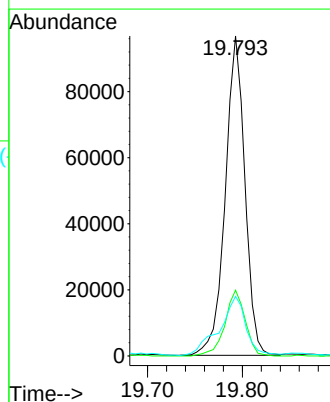
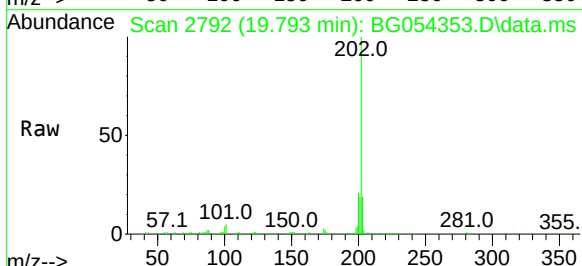
RT: 19.793 min Scan# 2792

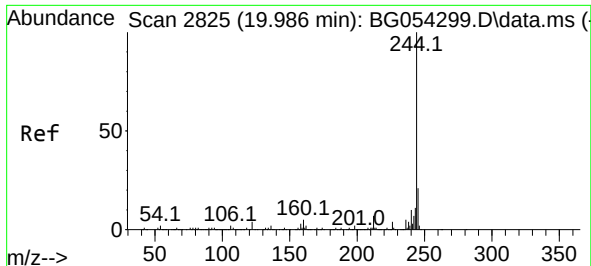
Delta R.T. 0.001 min

Lab File: BG054353.D

Acq: 21 Jul 2022 20:37

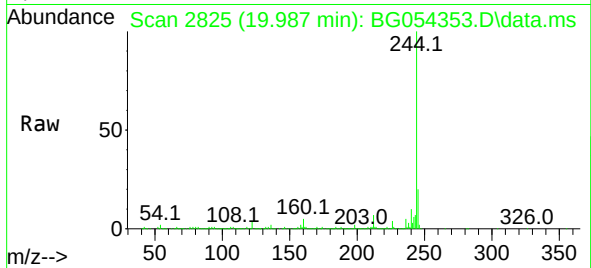
Tgt Ion:	202	Resp:	138935
Ion Ratio	Lower	Upper	
202	100		
200	20.6	16.6	24.8
203	18.6	14.6	21.8





#79
 Terphenyl-d14
 Concen: 60.831 ng
 RT: 19.987 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG054353.D
 Acq: 21 Jul 2022 20:37

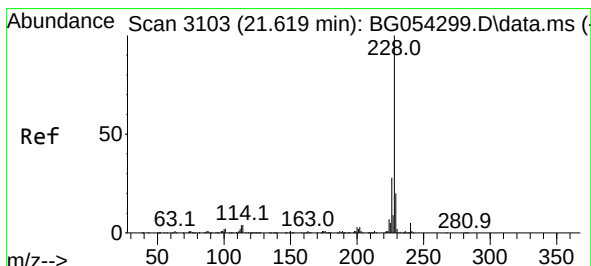
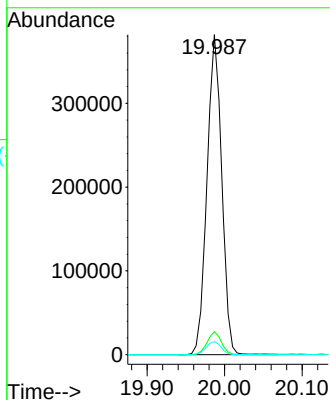
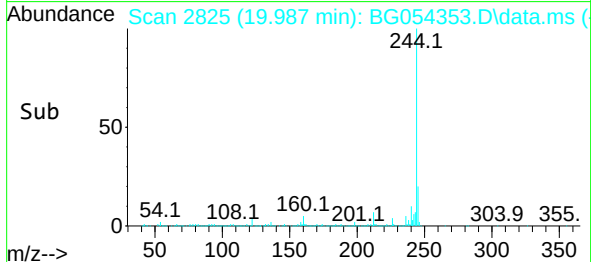
Instrument :
 BNA_G
 ClientSampleId :
 0718-WC-TP-WC5A



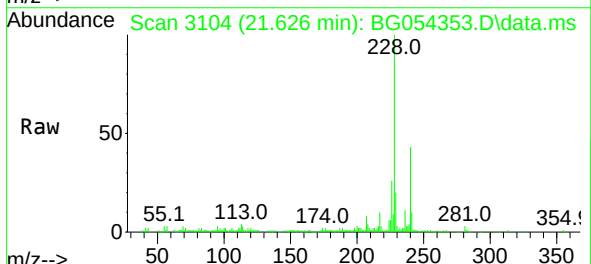
Tgt Ion:244 Resp: 50365
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 4.1 5.0 7.4

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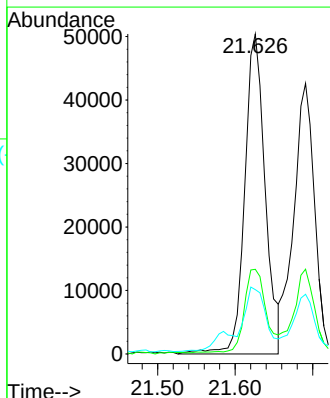
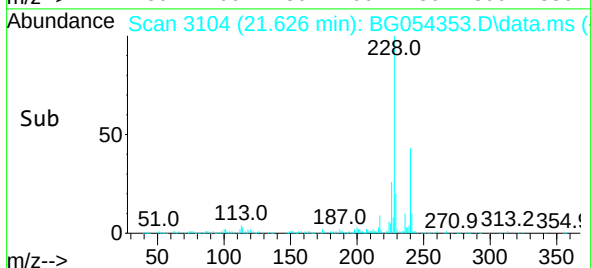
Reviewed By :Christian Giraldo 07/22/2022
 Supervised By :Jagrut Upadhyay 07/22/2022

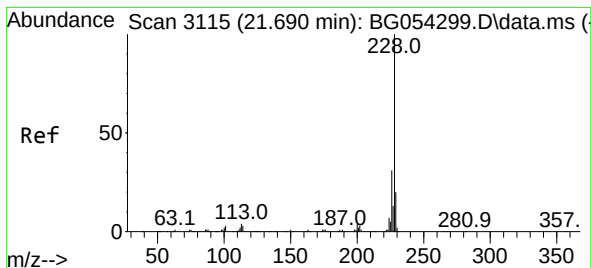


#81
 Benzo(a)anthracene
 Concen: 8.868 ng
 RT: 21.626 min Scan# 3104
 Delta R.T. 0.007 min
 Lab File: BG054353.D
 Acq: 21 Jul 2022 20:37



Tgt Ion:228 Resp: 92463
 Ion Ratio Lower Upper
 228 100
 226 26.5 21.6 32.4
 229 20.1 16.2 24.2





#83

Chrysene

Concen: 8.041 ng

RT: 21.691 min Scan# 3115

Delta R.T. 0.001 min

Lab File: BG054353.D

Acq: 21 Jul 2022 20:37

Instrument :

BNA_G

ClientSampleId :

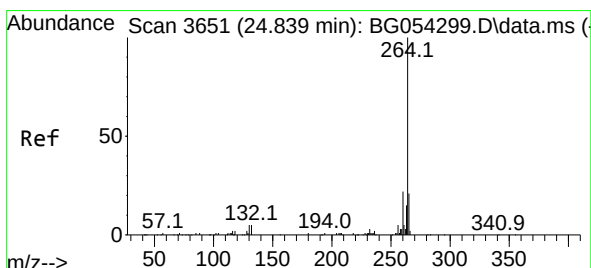
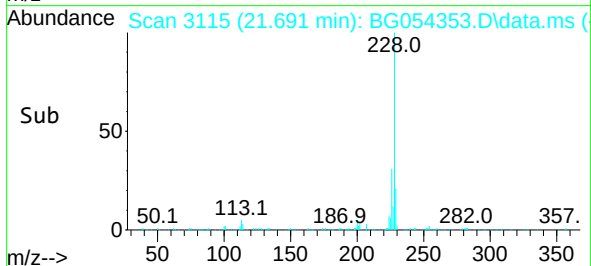
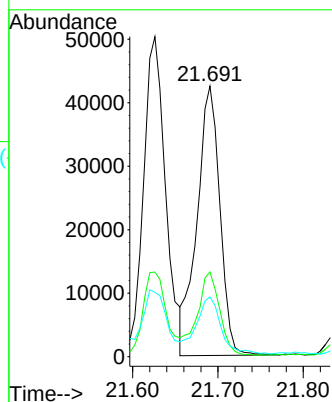
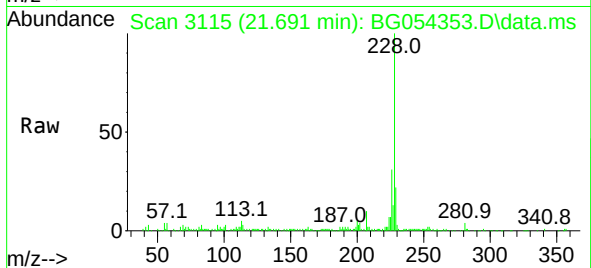
0718-WC-TP-WC5A

Tgt Ion:	228	Resp:	7920
Ion Ratio	Lower	Upper	
228	100		
226	31.3	23.4	35.2
229	22.0	15.5	23.3

Manual Integrations

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Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#86

Perylene-d12

Concen: 20.000 ng

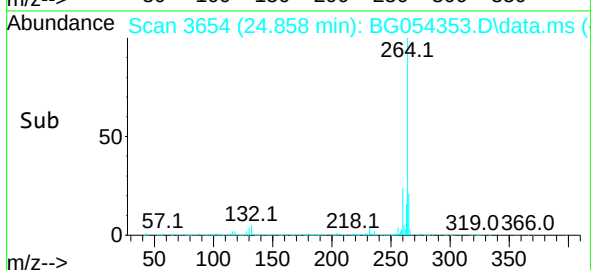
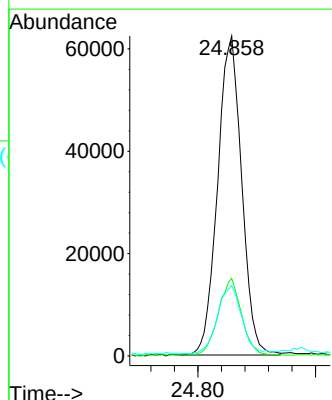
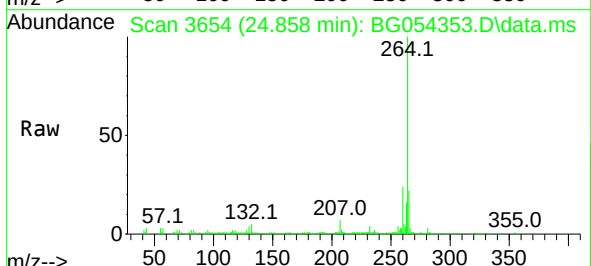
RT: 24.858 min Scan# 3654

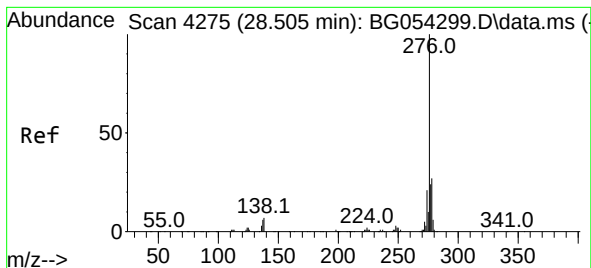
Delta R.T. 0.019 min

Lab File: BG054353.D

Acq: 21 Jul 2022 20:37

Tgt Ion:	264	Resp:	177111
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.0	28.6
265	21.9	17.4	26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.679 ng

RT: 28.524 min Scan# 41

Delta R.T. 0.019 min

Lab File: BG054353.D

Acq: 21 Jul 2022 20:37

Instrument :

BNA_G

ClientSampleId :

0718-WC-TP-WC5A

Tgt Ion: 276 Resp: 4956

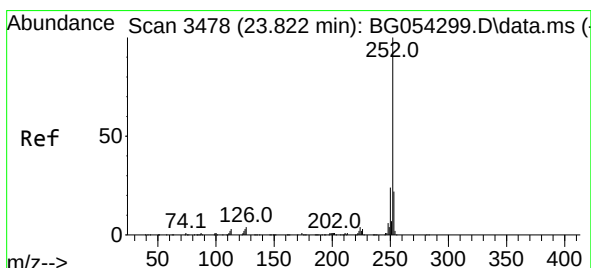
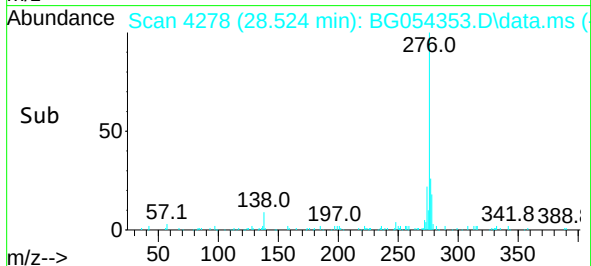
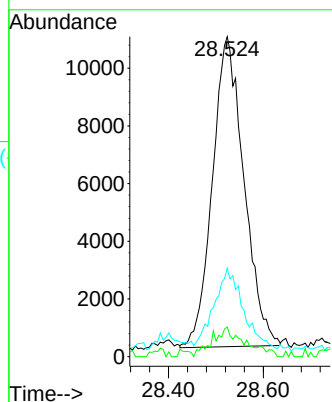
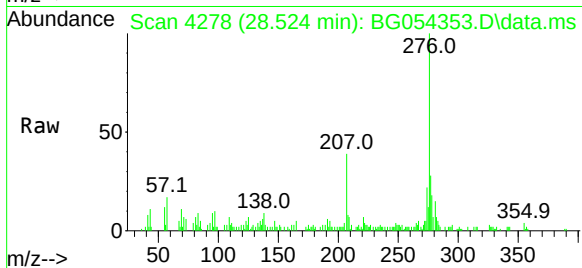
Ion	Ratio	Lower	Upper
276	100		
138	5.7	5.0	7.4
277	23.6	20.3	30.5

Manual Integrations

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Reviewed By : Christian Giraldo 07/22/2022

Supervised By : Jagrut Upadhyay 07/22/2022



#88

Benzo(b)fluoranthene

Concen: 9.636 ng

RT: 23.835 min Scan# 3480

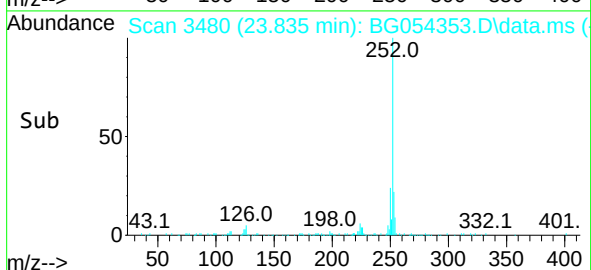
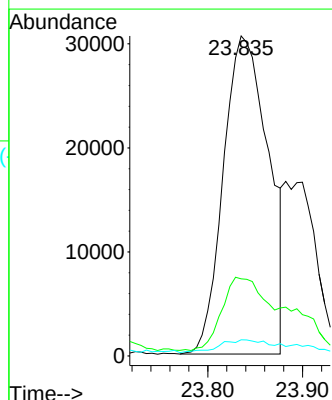
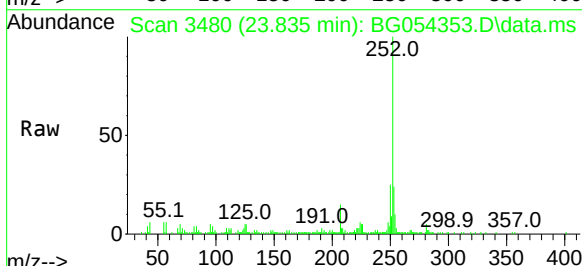
Delta R.T. 0.013 min

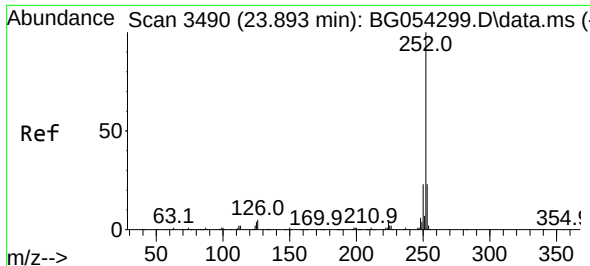
Lab File: BG054353.D

Acq: 21 Jul 2022 20:37

Tgt Ion: 252 Resp: 100927

Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.0	27.0
125	5.0	4.6	6.8





#89

Benzo(k)fluoranthene

Concen: 3.729 ng m

RT: 23.882 min Scan# 34

Delta R.T. -0.011 min

Lab File: BG054353.D

Acq: 21 Jul 2022 20:37

Instrument :

BNA_G

ClientSampleId :

0718-WC-TP-WC5A

Tgt Ion:252 Resp: 38874

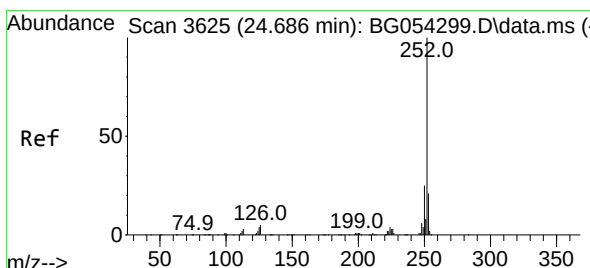
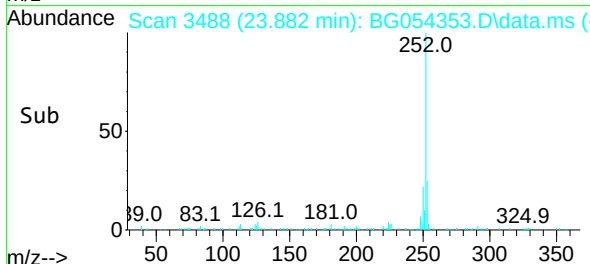
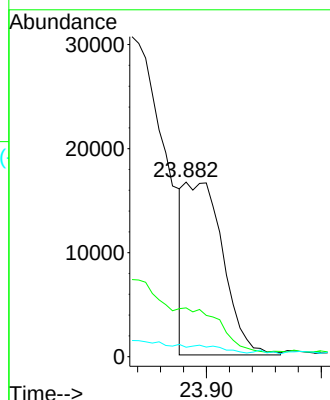
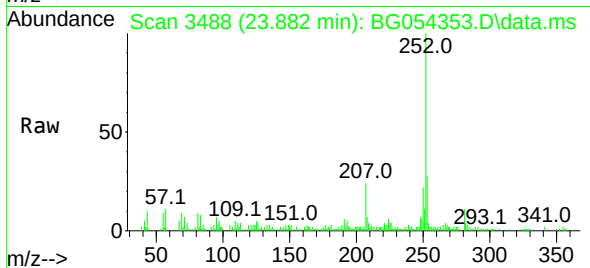
Ion	Ratio	Lower	Upper
252	100		
253	28.0	18.4	27.6
125	5.4	4.8	7.2

Manual Integrations

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Reviewed By :Christian Giraldo 07/22/2022

Supervised By :Jagrut Upadhyay 07/22/2022



#90

Benzo(a)pyrene

Concen: 8.161 ng

RT: 24.705 min Scan# 3628

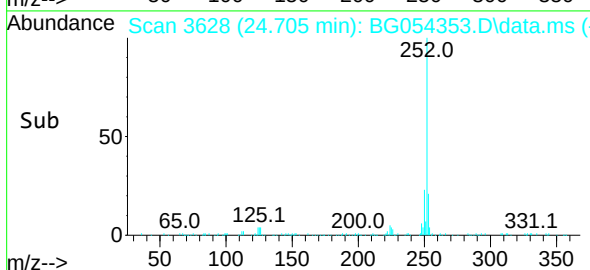
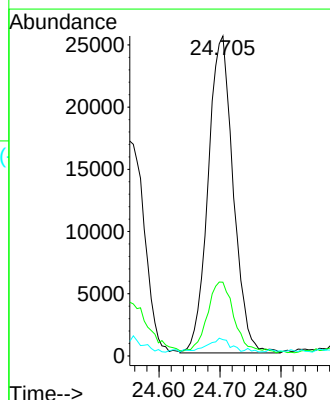
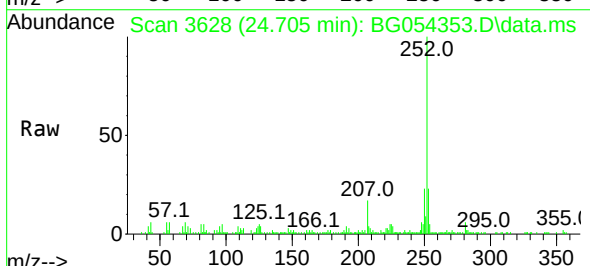
Delta R.T. 0.019 min

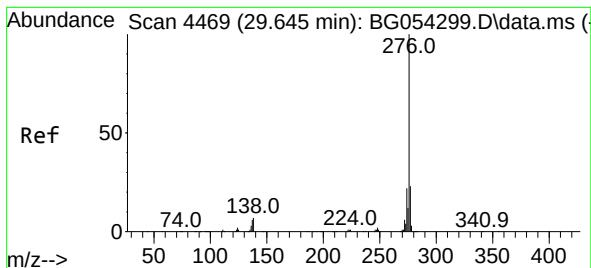
Lab File: BG054353.D

Acq: 21 Jul 2022 20:37

Tgt Ion:252 Resp: 73004

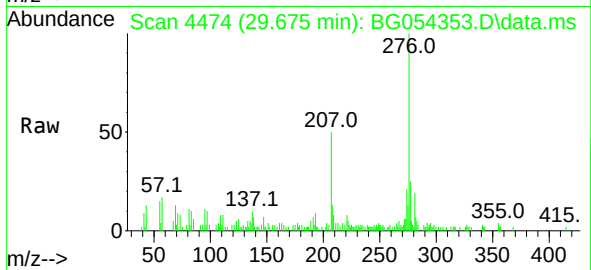
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	5.1	4.3	6.5





#92
 Benzo(g,h,i)perylene
 Concen: 4.166 ng
 RT: 29.675 min Scan# 44
 Delta R.T. 0.030 min
 Lab File: BG054353.D
 Acq: 21 Jul 2022 20:37

Instrument :
 BNA_G
 ClientSampleId :
 0718-WC-TP-WC5A



Tgt Ion:276 Resp: 4555
 Ion Ratio Lower Upper
 276 100
 277 25.0 17.3 25.9
 138 7.1 9.6 14.4

Manual Integrations
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Reviewed By :Christian Giraldo 07/22/2022
 Supervised By :Jagrut Upadhyay 07/22/2022

