

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072522\
 Data File : BG054386.D
 Acq On : 25 Jul 2022 19:25
 Operator : CG/JU
 Sample : N3833-01RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-072122RE

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/26/2022
 Supervised By : Jagrut Upadhyay 07/26/2022

Quant Time: Jul 26 00:55:38 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	7.988	152	25566	20.000	ng	-0.01
21) Naphthalene-d8	10.796	136	92258	20.000	ng	#-0.01
39) Acenaphthene-d10	14.627	164	67661	20.000	ng	0.00
64) Phenanthrene-d10	17.371	188	159093	20.000	ng	# 0.00
76) Chrysene-d12	21.636	240	176299	20.000	ng	# 0.00
86) Perylene-d12	24.844	264	170652	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.567	112	21411	17.486	ng	0.00
7) Phenol-d6	7.177	99	34026	20.279	ng	0.00
23) Nitrobenzene-d5	9.151	82	25832	15.248	ng	-0.01
42) 2,4,6-Tribromophenol	16.119	330	19925	14.025	ng	0.00
45) 2-Fluorobiphenyl	13.246	172	79254	16.524	ng	-0.01
79) Terphenyl-d14	19.980	244	145197	16.338	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.412	178	80966	10.219	ng	99
72) Anthracene	17.500	178	17842	2.295	ng	98
75) Fluoranthene	19.421	202	152645	14.134	ng	96
78) Pyrene	19.786	202	155408	15.363	ng	99
81) Benzo(a)anthracene	21.619	228	78925	7.052	ng	96
83) Chrysene	21.683	228	81762m	7.733	ng	
87) Indeno(1,2,3-cd)pyrene	28.534	276	28386	2.187	ng	# 86
88) Benzo(b)fluoranthene	23.834	252	90301	8.948	ng	# 80
89) Benzo(k)fluoranthene	23.887	252	31414m	3.128	ng	
90) Benzo(a)pyrene	24.692	252	64878	7.528	ng	# 93
92) Benzo(g,h,i)perylene	29.692	276	25306	2.402	ng	# 85

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

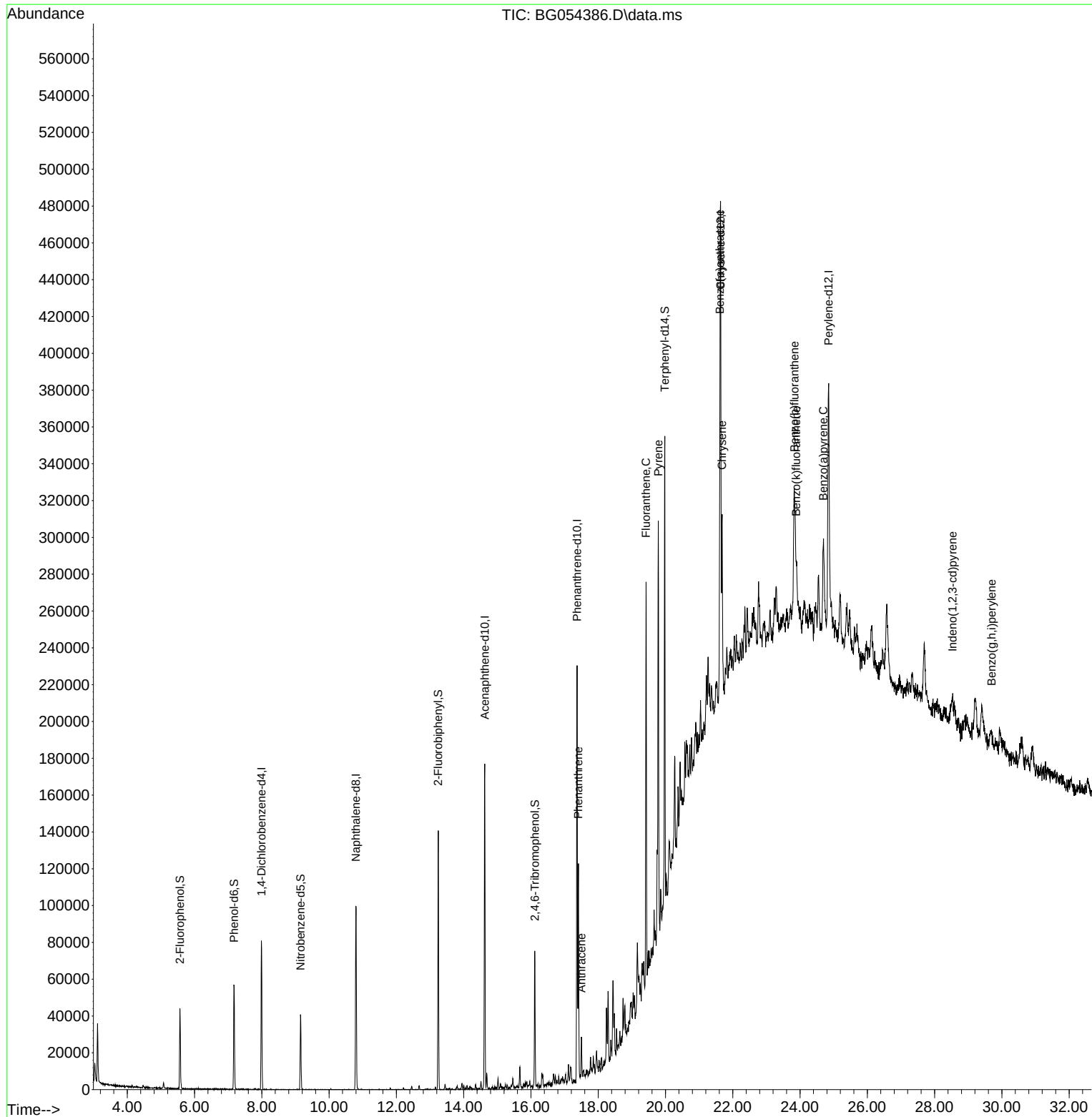
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072522\
Data File : BG054386.D
Acq On : 25 Jul 2022 19:25
Operator : CG/JU
Sample : N3833-01RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

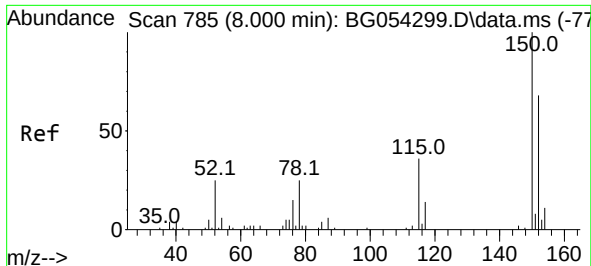
Instrument :
BNA_G
ClientSampleId :
OR-03-072122RE

Quant Time: Jul 26 00:55:38 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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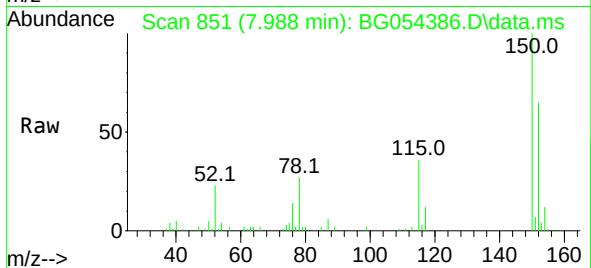
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.988 min Scan# 81
Delta R.T. -0.012 min
Lab File: BG054386.D
Acq: 25 Jul 2022 19:25

Instrument :

BNA_G

ClientSampleId :

OR-03-072122RE

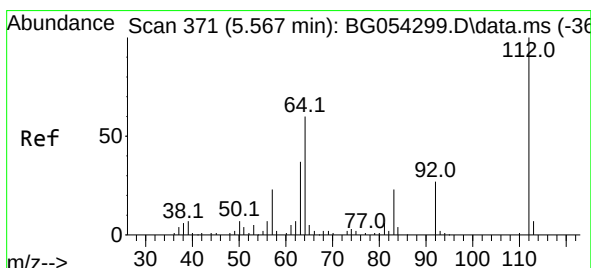
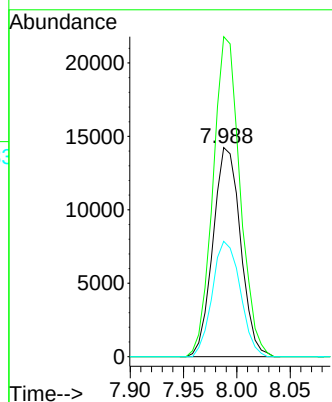


Tgt Ion:152 Resp: 2556
Ion Ratio Lower Upper
152 100
150 153.1 131.6 197.4
115 55.2 50.9 76.3

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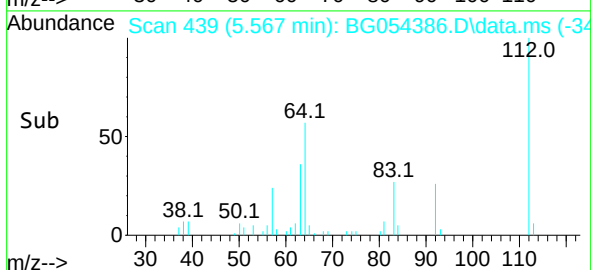
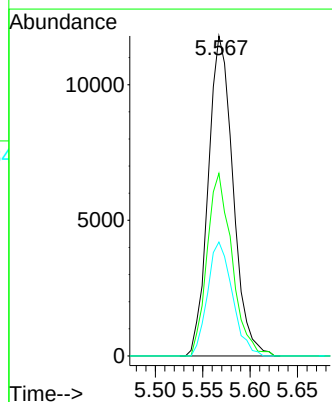
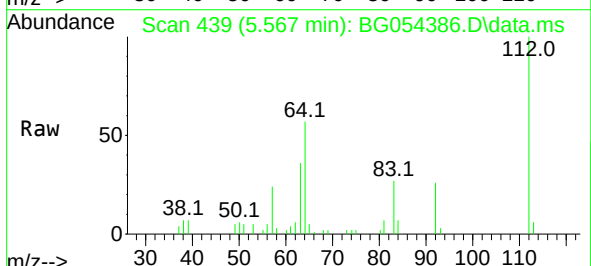
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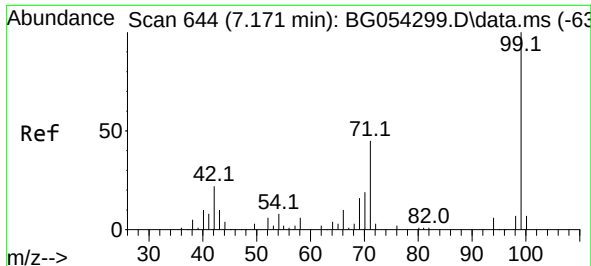
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022



#5
2-Fluorophenol
Concen: 17.486 ng
RT: 5.567 min Scan# 439
Delta R.T. -0.000 min
Lab File: BG054386.D
Acq: 25 Jul 2022 19:25

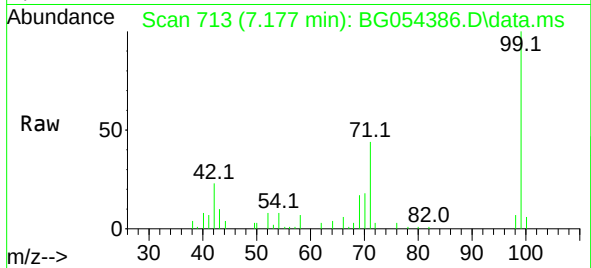
Tgt Ion:112 Resp: 21411
Ion Ratio Lower Upper
112 100
64 57.0 55.1 82.7
63 35.6 30.4 45.6





#7
Phenol-d6
Concen: 20.279 ng
RT: 7.177 min Scan# 71
Delta R.T. 0.006 min
Lab File: BG054386.D
Acq: 25 Jul 2022 19:25

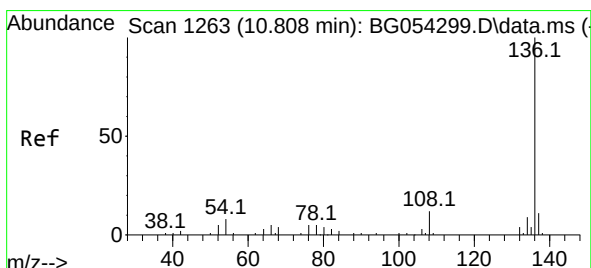
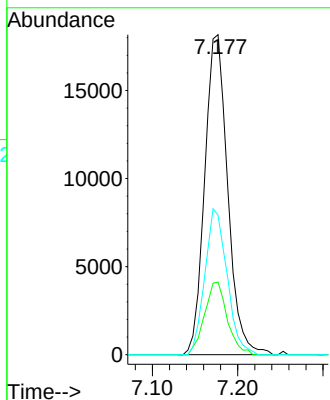
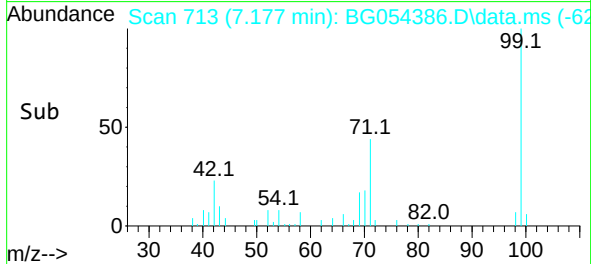
Instrument :
BNA_G
ClientSampleId :
OR-03-072122RE



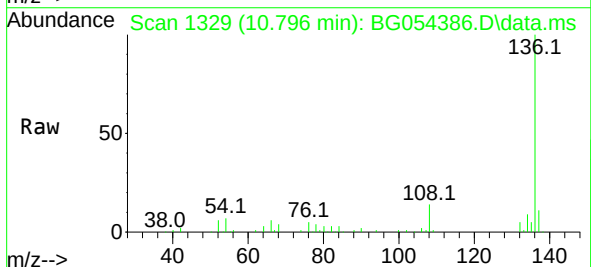
Tgt Ion: 99 Resp: 34020
Ion Ratio Lower Upper
99 100
42 22.7 17.0 25.6
71 43.6 33.8 50.8

Manual Integrations
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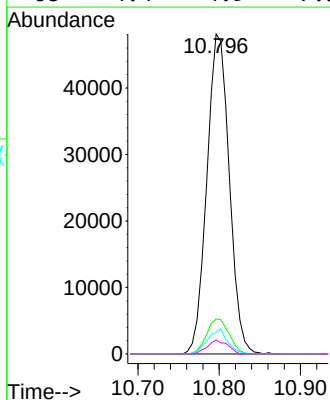
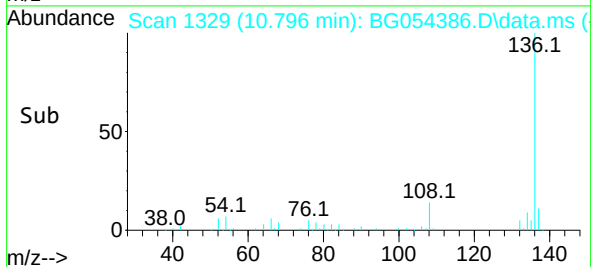
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022

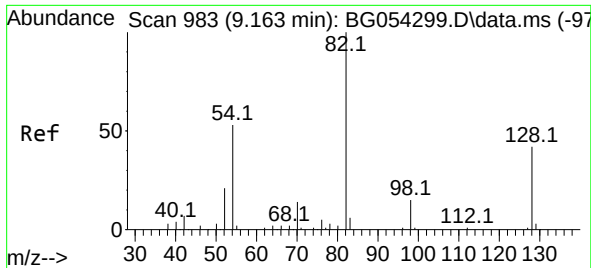


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.796 min Scan# 1329
Delta R.T. -0.012 min
Lab File: BG054386.D
Acq: 25 Jul 2022 19:25



Tgt Ion:136 Resp: 92258
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 6.8 7.4 11.2#
68 4.4 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 15.248 ng
RT: 9.151 min Scan# 1049
Delta R.T. -0.012 min
Lab File: BG054386.D
Acq: 25 Jul 2022 19:25

Instrument :

BNA_G

ClientSampleId :

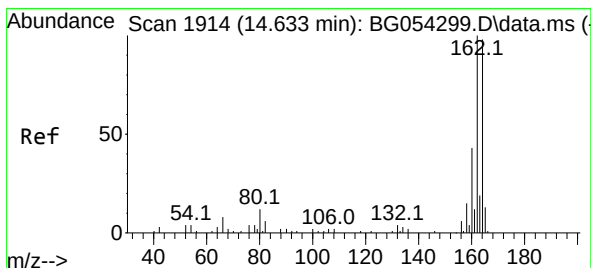
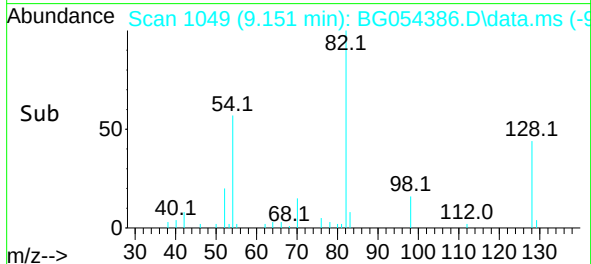
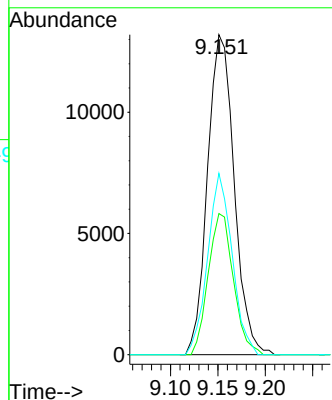
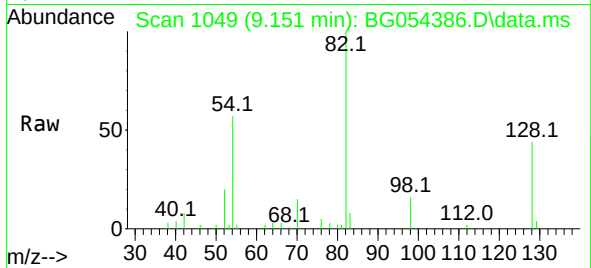
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Tgt Ion: 82 Resp: 25832
Ion Ratio Lower Upper
82 100
128 44.1 27.9 41.9
54 56.6 41.2 61.8

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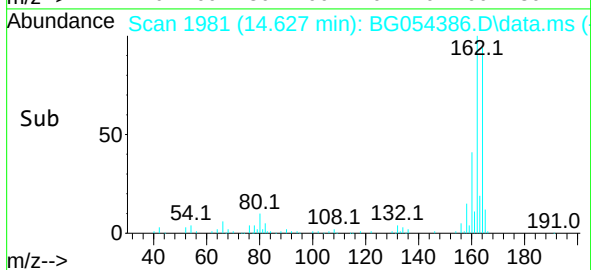
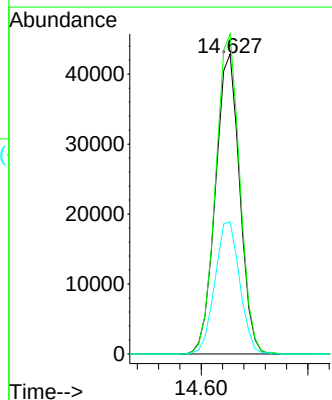
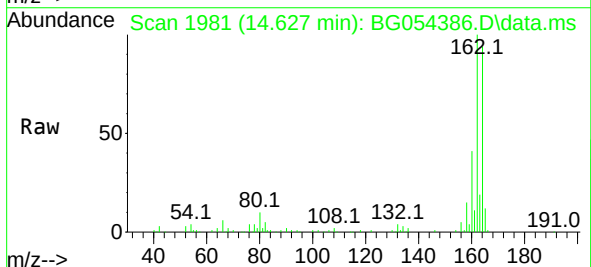
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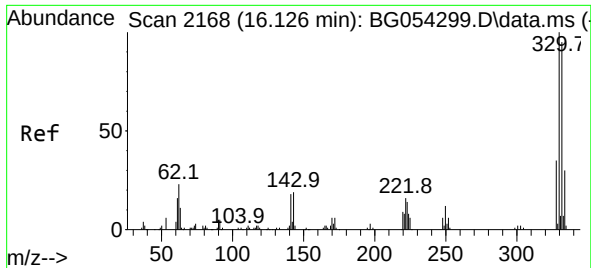
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.627 min Scan# 1981
Delta R.T. -0.006 min
Lab File: BG054386.D
Acq: 25 Jul 2022 19:25

Tgt Ion:164 Resp: 67661
Ion Ratio Lower Upper
164 100
162 106.6 82.3 123.5
160 44.0 34.2 51.2





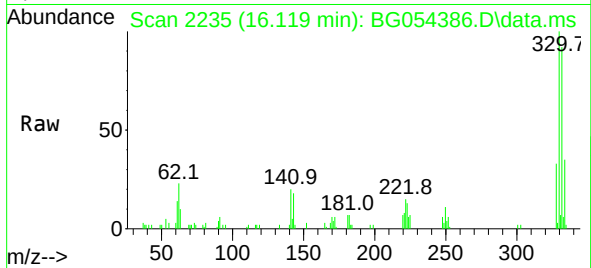
#42
2,4,6-Tribromophenol
Concen: 14.025 ng
RT: 16.119 min Scan# 2168
Delta R.T. -0.006 min
Lab File: BG054386.D
Acq: 25 Jul 2022 19:25

Instrument :

BNA_G

ClientSampleId :

OR-03-072122RE

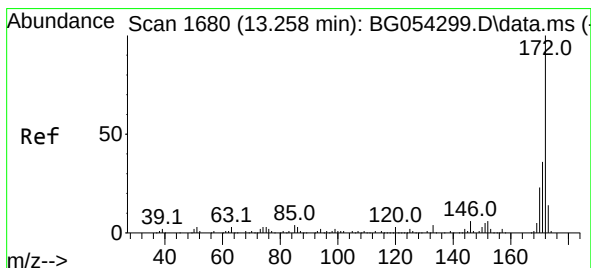
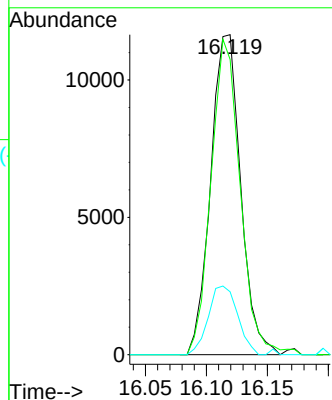


Tgt Ion:330 Resp: 1992
Ion Ratio Lower Upper
330 100
332 96.0 76.0 114.0
141 21.0 27.1 40.7

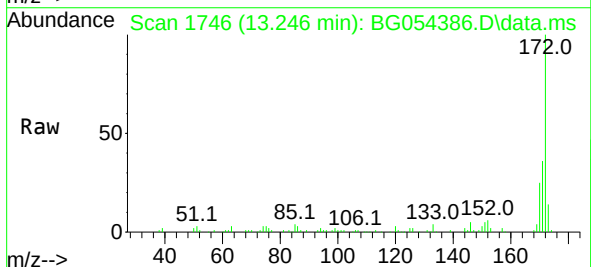
Manual Integrations

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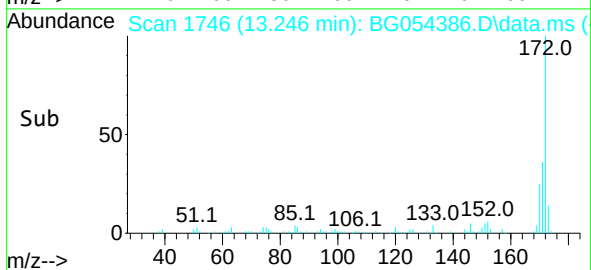
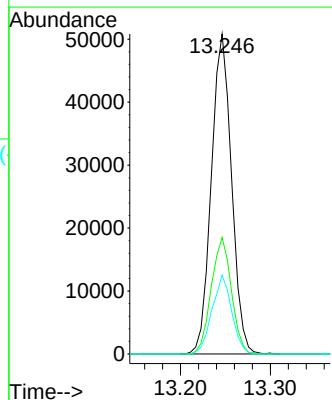
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022

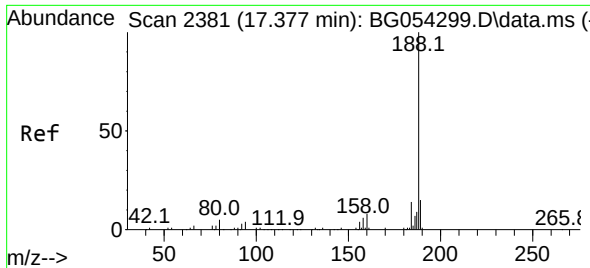


#45
2-Fluorobiphenyl
Concen: 16.524 ng
RT: 13.246 min Scan# 1746
Delta R.T. -0.012 min
Lab File: BG054386.D
Acq: 25 Jul 2022 19:25



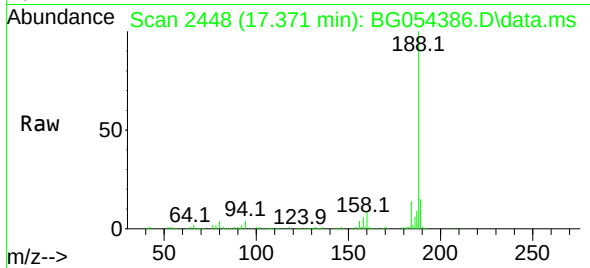
Tgt Ion:172 Resp: 79254
Ion Ratio Lower Upper
172 100
171 36.4 28.5 42.7
170 24.6 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.371 min Scan# 2448
Delta R.T. -0.006 min
Lab File: BG054386.D
Acq: 25 Jul 2022 19:25

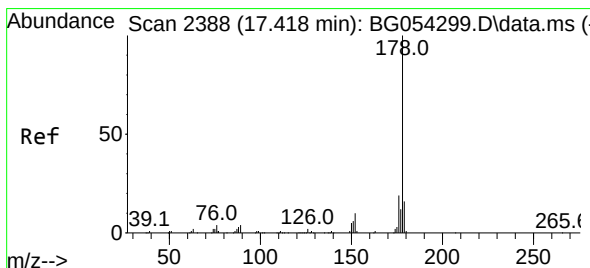
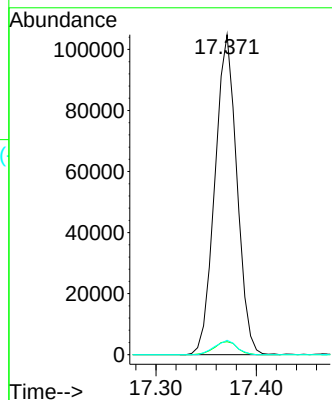
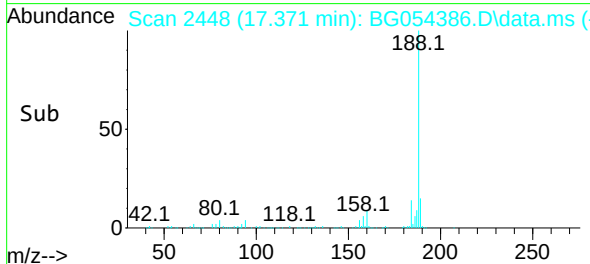
Instrument :
BNA_G
ClientSampleId :
OR-03-072122RE



Tgt Ion:188 Resp: 15909
Ion Ratio Lower Upper
188 100
94 4.1 5.4 8.0
80 4.5 6.8 10.2

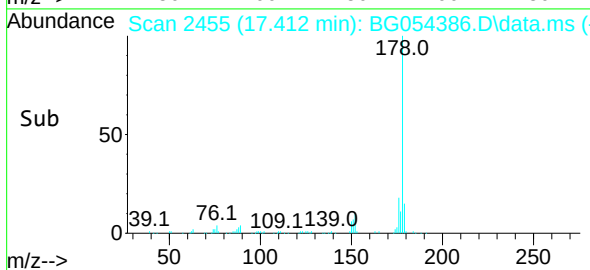
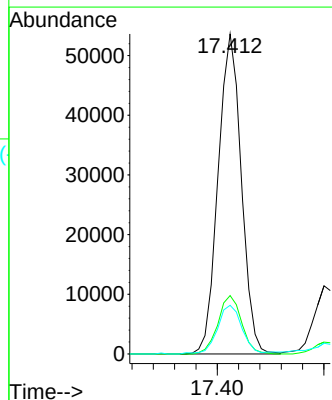
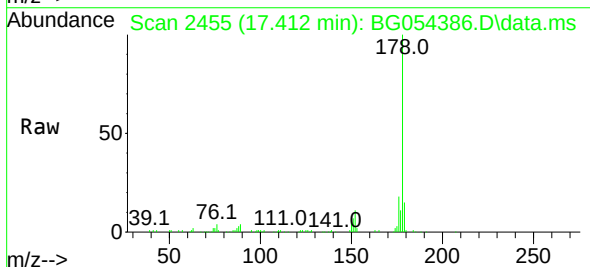
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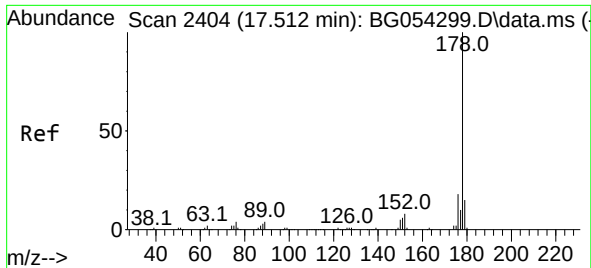
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022



#71
Phenanthrene
Concen: 10.219 ng
RT: 17.412 min Scan# 2455
Delta R.T. -0.006 min
Lab File: BG054386.D
Acq: 25 Jul 2022 19:25

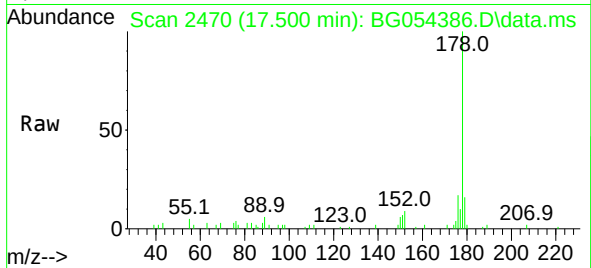
Tgt Ion:178 Resp: 80966
Ion Ratio Lower Upper
178 100
176 18.3 14.1 21.1
179 15.2 12.1 18.1





#72
 Anthracene
 Concen: 2.295 ng
 RT: 17.500 min Scan# 2404
 Delta R.T. -0.012 min
 Lab File: BG054386.D
 Acq: 25 Jul 2022 19:25

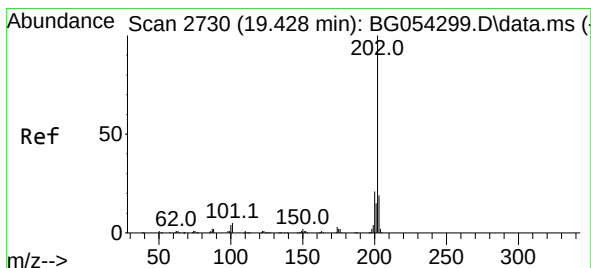
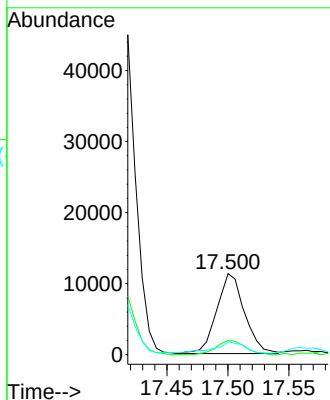
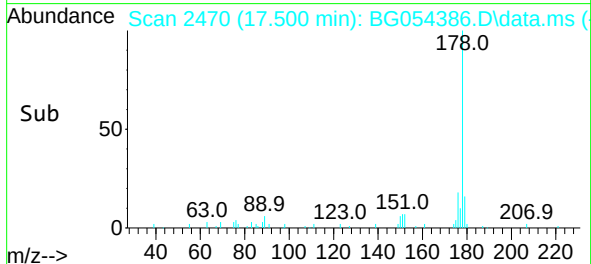
Instrument :
 BNA_G
 ClientSampleId :
 OR-03-072122RE



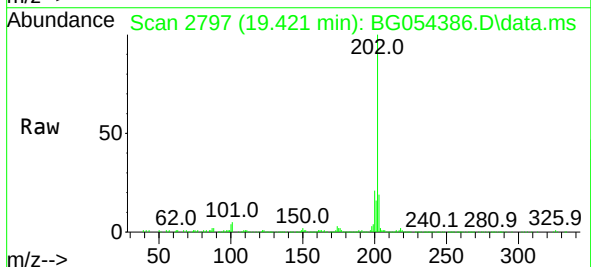
Tgt Ion:178 Resp: 1784
 Ion Ratio Lower Upper
 178 100
 176 17.4 15.2 22.8
 179 15.7 13.0 19.4

Manual Integrations
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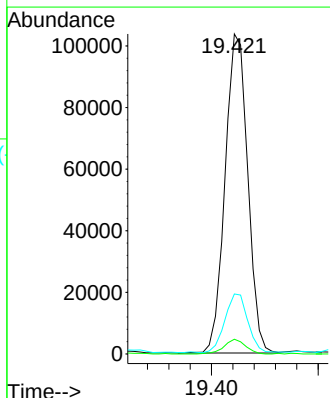
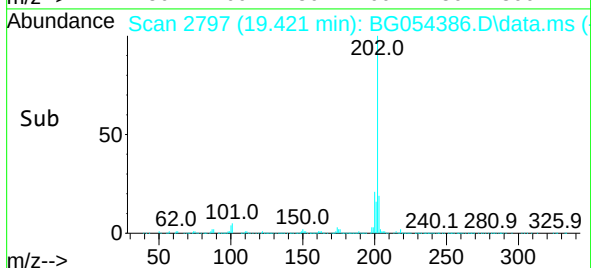
Reviewed By :Christian Giraldo 07/26/2022
 Supervised By :Jagrut Upadhyay 07/26/2022

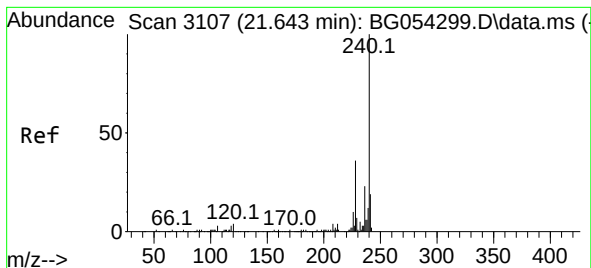


#75
 Fluoranthene
 Concen: 14.134 ng
 RT: 19.421 min Scan# 2797
 Delta R.T. -0.006 min
 Lab File: BG054386.D
 Acq: 25 Jul 2022 19:25



Tgt Ion:202 Resp: 152645
 Ion Ratio Lower Upper
 202 100
 101 4.6 0.0 26.9
 203 18.8 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.636 min Scan# 3107

Delta R.T. -0.007 min

Lab File: BG054386.D

Acq: 25 Jul 2022 19:25

Instrument :

BNA_G

ClientSampleId :

OR-03-072122RE

Tgt Ion:240 Resp: 176299

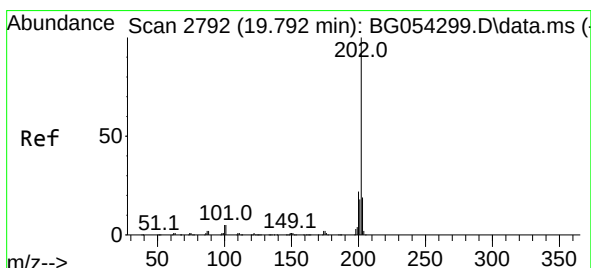
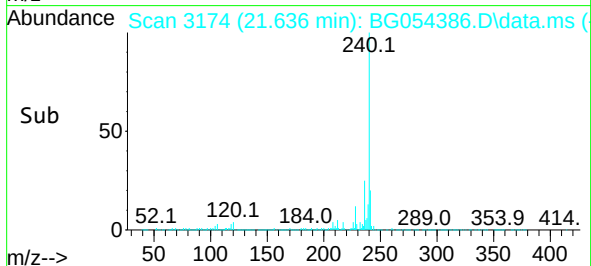
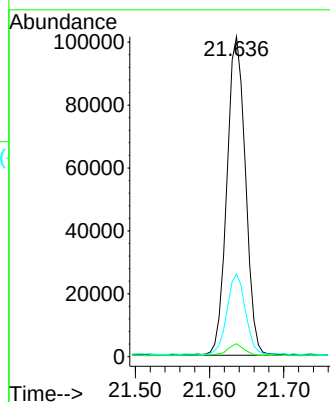
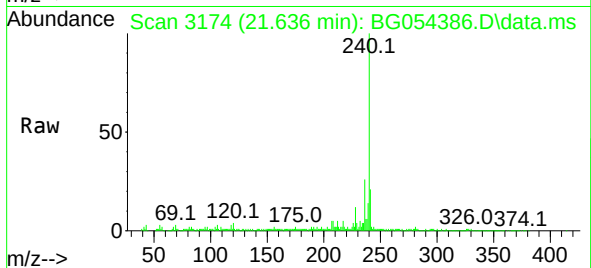
Ion	Ratio	Lower	Upper
240	100		
120	4.0	4.6	7.0
236	25.8	20.2	30.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 07/26/2022



#78

Pyrene

Concen: 15.363 ng

RT: 19.786 min Scan# 2859

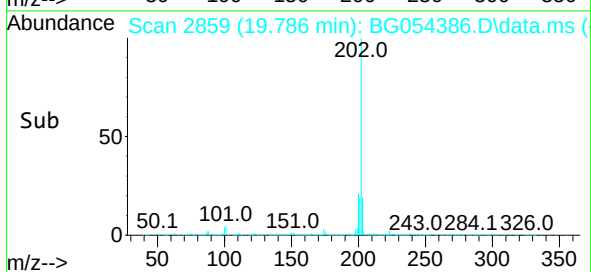
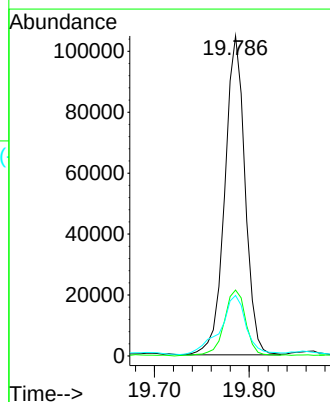
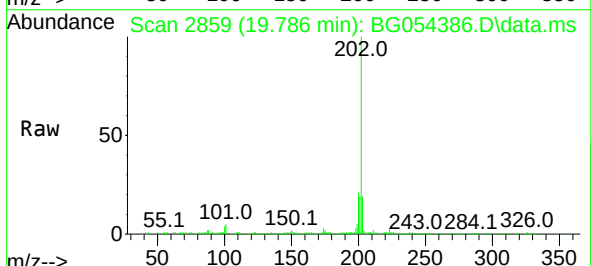
Delta R.T. -0.006 min

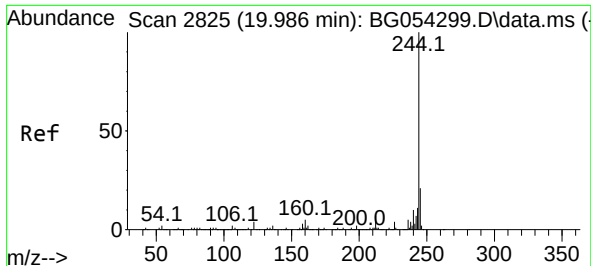
Lab File: BG054386.D

Acq: 25 Jul 2022 19:25

Tgt Ion:202 Resp: 155408

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.6	24.8
203	18.9	14.6	21.8





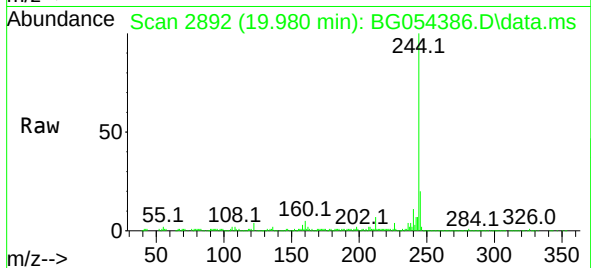
#79
 Terphenyl-d14
 Concen: 16.338 ng
 RT: 19.980 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG054386.D
 Acq: 25 Jul 2022 19:25

Instrument :

BNA_G

ClientSampleId :

OR-03-072122RE

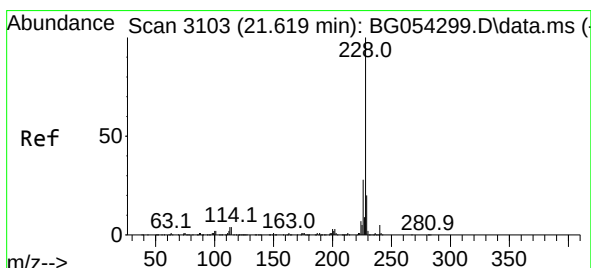
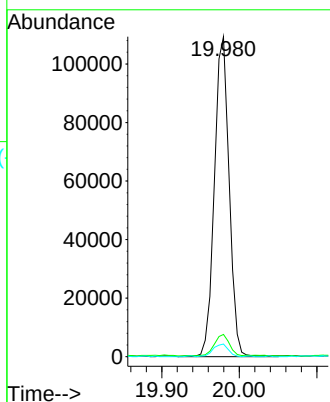
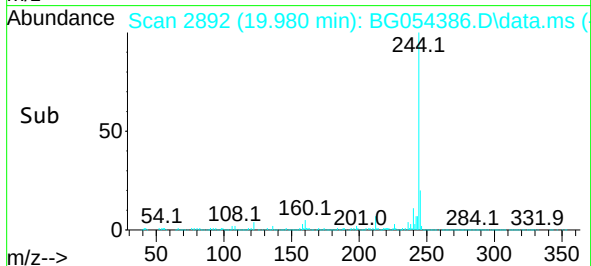


Tgt Ion:244 Resp: 14519
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.5 9.7
 122 4.0 5.0 7.4

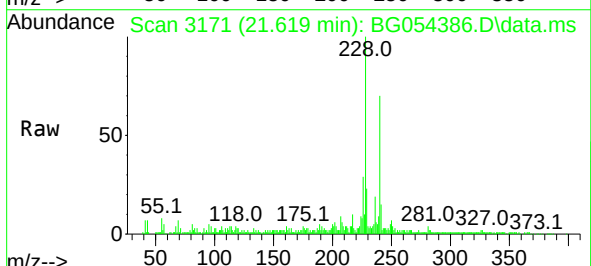
Manual Integrations

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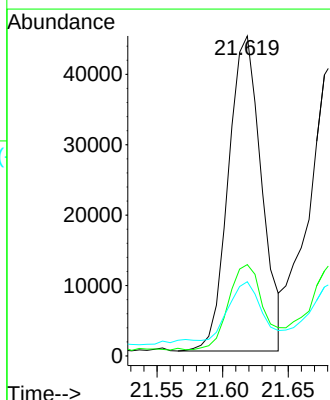
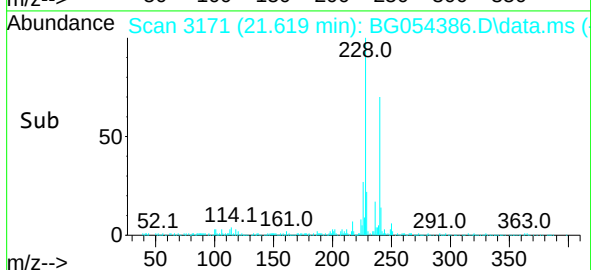
Reviewed By :Christian Giraldo 07/26/2022
 Supervised By :Jagrut Upadhyay 07/26/2022

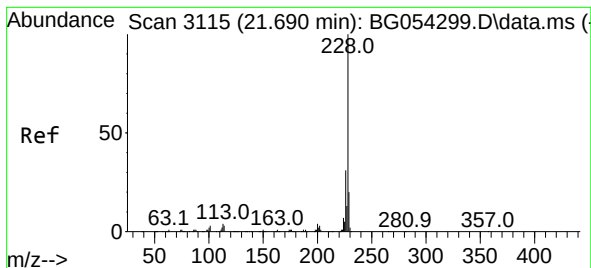


#81
 Benzo(a)anthracene
 Concen: 7.052 ng
 RT: 21.619 min Scan# 3171
 Delta R.T. -0.000 min
 Lab File: BG054386.D
 Acq: 25 Jul 2022 19:25



Tgt Ion:228 Resp: 78925
 Ion Ratio Lower Upper
 228 100
 226 28.5 21.6 32.4
 229 23.2 16.2 24.2





#83

Chrysene

Concen: 7.733 ng m

RT: 21.683 min Scan# 3115

Delta R.T. -0.006 min

Lab File: BG054386.D

Acq: 25 Jul 2022 19:25

Instrument :

BNA_G

ClientSampleId :

OR-03-072122RE

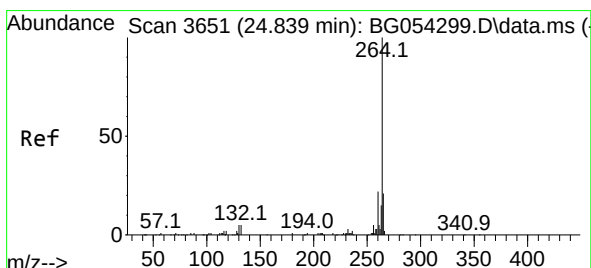
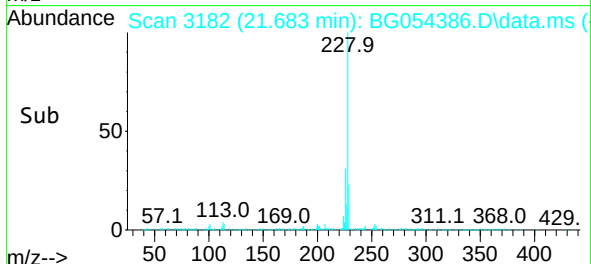
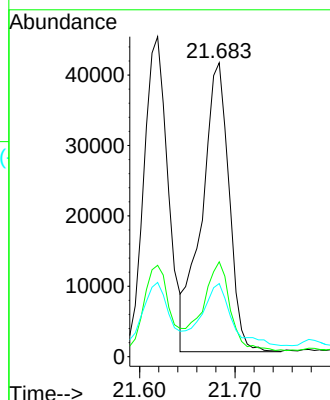
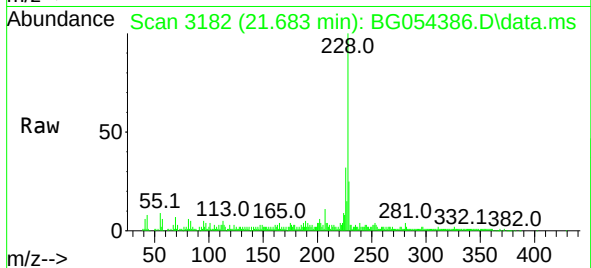
Tgt Ion:	228	Resp:	81762
Ion Ratio	Lower	Upper	
228	100		
226	32.3	23.4	35.2
229	24.9	15.5	23.3

Manual Integrations

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Reviewed By :Christian Giraldo 07/26/2022

Supervised By :Jagrut Upadhyay 07/26/2022



#86

Perylene-d12

Concen: 20.000 ng

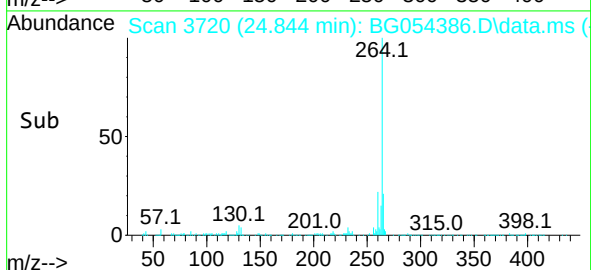
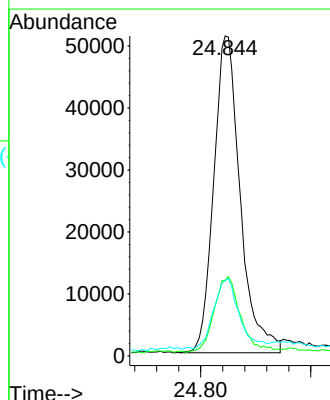
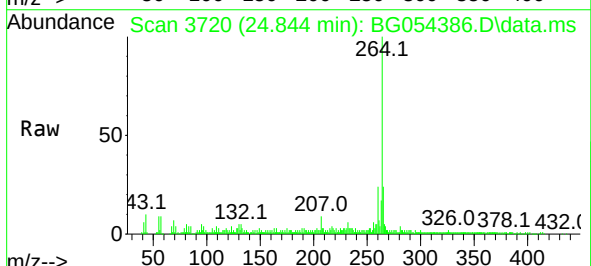
RT: 24.844 min Scan# 3720

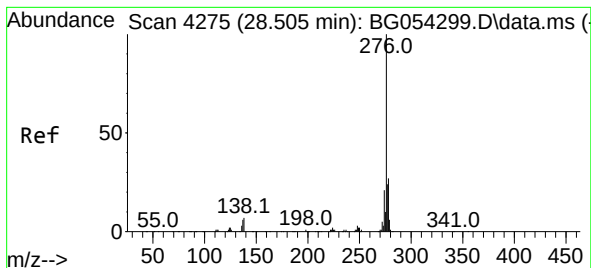
Delta R.T. 0.006 min

Lab File: BG054386.D

Acq: 25 Jul 2022 19:25

Tgt Ion:	264	Resp:	170652
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.0	28.6
265	23.5	17.4	26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.187 ng

RT: 28.534 min Scan# 41

Delta R.T. 0.029 min

Lab File: BG054386.D

Acq: 25 Jul 2022 19:25

Instrument :

BNA_G

ClientSampleId :

OR-03-072122RE

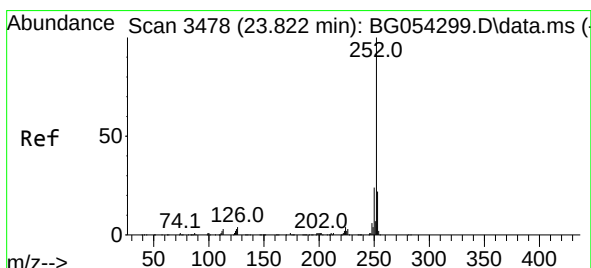
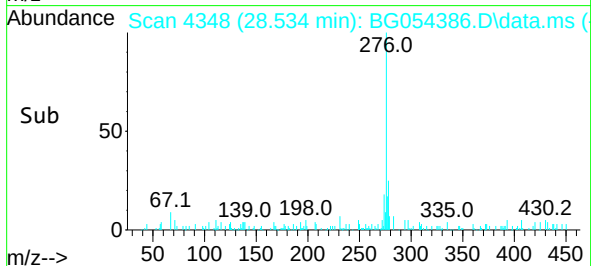
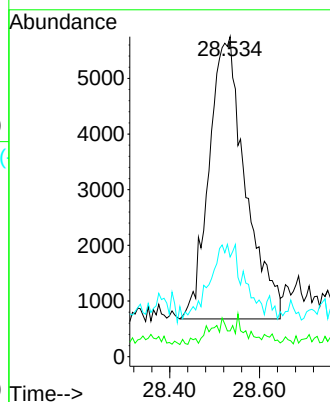
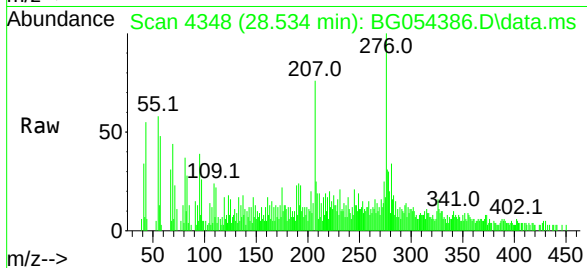
Tgt Ion:	276	Resp:	2838
Ion Ratio	Lower	Upper	
276	100		
138	3.8	5.0	7.4
277	17.6	20.3	30.5

Manual Integrations

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Reviewed By :Christian Giraldo 07/26/2022

Supervised By :Jagrut Upadhyay 07/26/2022



#88

Benzo(b)fluoranthene

Concen: 8.948 ng

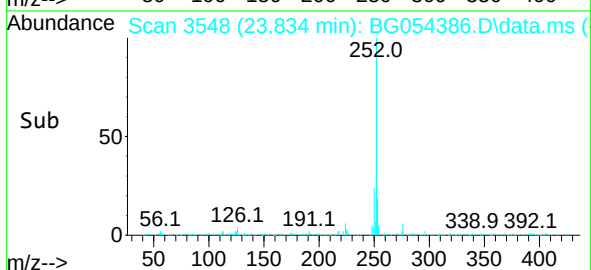
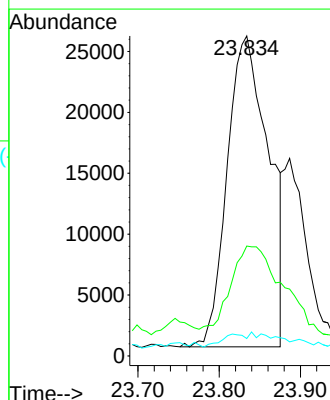
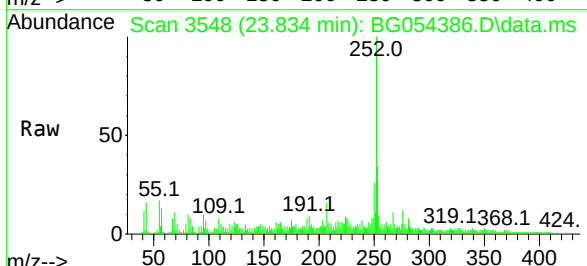
RT: 23.834 min Scan# 3548

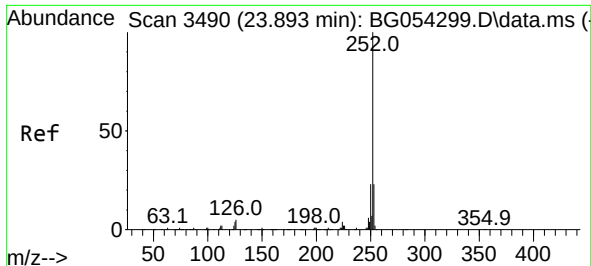
Delta R.T. 0.011 min

Lab File: BG054386.D

Acq: 25 Jul 2022 19:25

Tgt Ion:	252	Resp:	90301
Ion Ratio	Lower	Upper	
252	100		
253	34.3	18.0	27.0
125	5.5	4.6	6.8





#89

Benzo(k)fluoranthene

Concen: 3.128 ng m

RT: 23.887 min Scan# 31414

Delta R.T. -0.006 min

Lab File: BG054386.D

Acq: 25 Jul 2022 19:25

Instrument :

BNA_G

ClientSampleId :

OR-03-072122RE

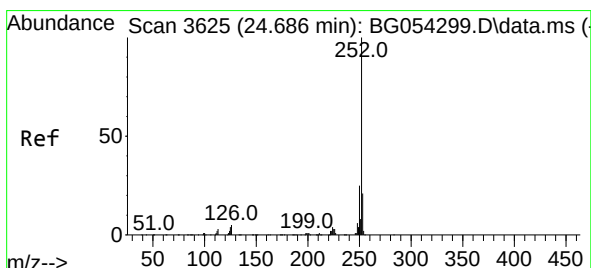
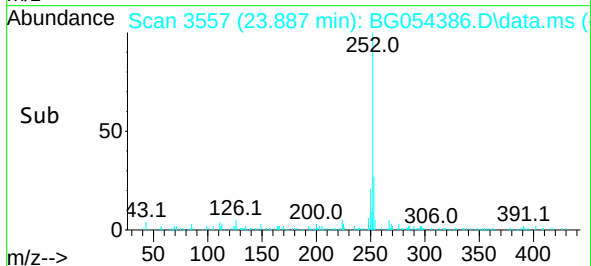
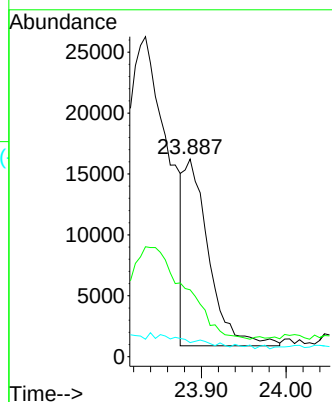
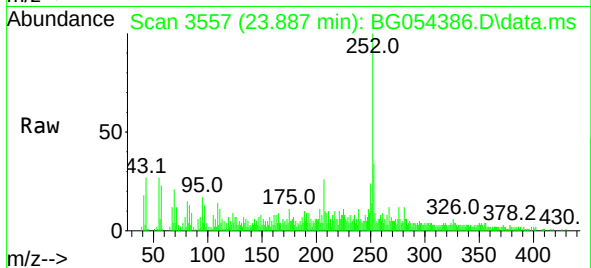
Tgt Ion:	252	Resp:	31414
Ion Ratio	Lower	Upper	
252	100		
253	33.9	18.4	27.6
125	7.2	4.8	7.2

Manual Integrations

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Reviewed By :Christian Giraldo 07/26/2022

Supervised By :Jagrut Upadhyay 07/26/2022



#90

Benzo(a)pyrene

Concen: 7.528 ng

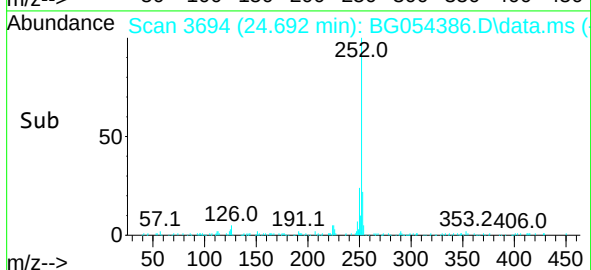
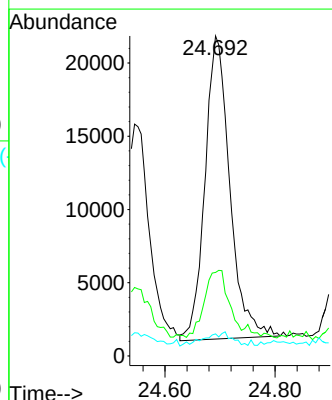
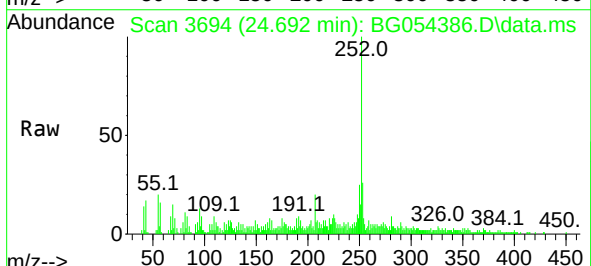
RT: 24.692 min Scan# 3694

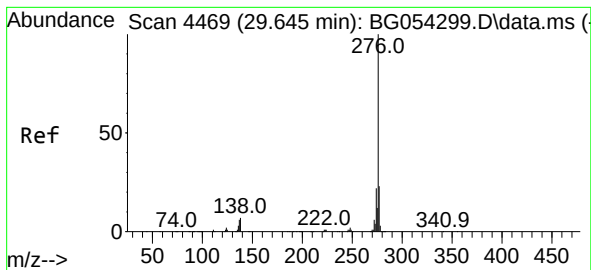
Delta R.T. 0.006 min

Lab File: BG054386.D

Acq: 25 Jul 2022 19:25

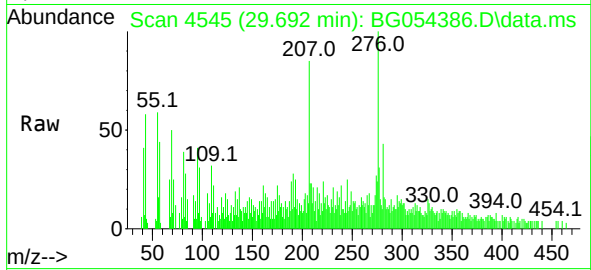
Tgt Ion:	252	Resp:	64878
Ion Ratio	Lower	Upper	
252	100		
253	26.1	17.8	26.8
125	6.9	4.3	6.5





#92
 Benzo(g,h,i)perylene
 Concen: 2.402 ng
 RT: 29.692 min Scan# 4545
 Delta R.T. 0.047 min
 Lab File: BG054386.D
 Acq: 25 Jul 2022 19:25

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-072122RE



Tgt Ion: 276 Resp: 25300
 Ion Ratio Lower Upper
 276 100
 277 31.3 17.3 25.9
 138 10.5 9.6 14.4

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/26/2022
 Supervised By : Jagrut Upadhyay 07/26/2022

