

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
 Data File : BG054366.D
 Acq On : 22 Jul 2022 19:21
 Operator : CG/JU
 Sample : N3834-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-04-072122

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/25/2022
 Supervised By : Jagrut Upadhyay 07/25/2022

Quant Time: Jul 23 00:12:23 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	7.992	152	21736	20.000	ng	0.00
21) Naphthalene-d8	10.800	136	83763	20.000	ng	# 0.00
39) Acenaphthene-d10	14.625	164	64239	20.000	ng	0.00
64) Phenanthrene-d10	17.369	188	151630	20.000	ng	# 0.00
76) Chrysene-d12	21.634	240	170716	20.000	ng	# 0.00
86) Perylene-d12	24.837	264	180462	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.565	112	85504	82.132	ng	0.00
7) Phenol-d6	7.169	99	120650	84.578	ng	0.00
23) Nitrobenzene-d5	9.155	82	82360	53.545	ng	0.00
42) 2,4,6-Tribromophenol	16.117	330	109478	81.168	ng	0.00
45) 2-Fluorobiphenyl	13.250	172	260639	57.237	ng	0.00
79) Terphenyl-d14	19.983	244	508076	59.041	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.416	178	173993	23.042	ng	99
72) Anthracene	17.504	178	42855	5.783	ng	98
75) Fluoranthene	19.425	202	379043	36.824	ng	95
78) Pyrene	19.790	202	337914	34.497	ng	97
81) Benzo(a)anthracene	21.617	228	210653	19.438	ng	98
83) Chrysene	21.681	228	190305	18.587	ng	96
87) Indeno(1,2,3-cd)pyrene	28.497	276	155211	11.306	ng	# 99
88) Benzo(b)fluoranthene	23.832	252	282635	26.483	ng	# 98
89) Benzo(k)fluoranthene	23.885	252	94441m	8.892	ng	
90) Benzo(a)pyrene	24.690	252	209384m	22.973	ng	
91) Dibenzo(a,h)anthracene	28.538	278	39524	3.501	ng	# 86
92) Benzo(g,h,i)perylene	29.649	276	157088	14.099	ng	# 90

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

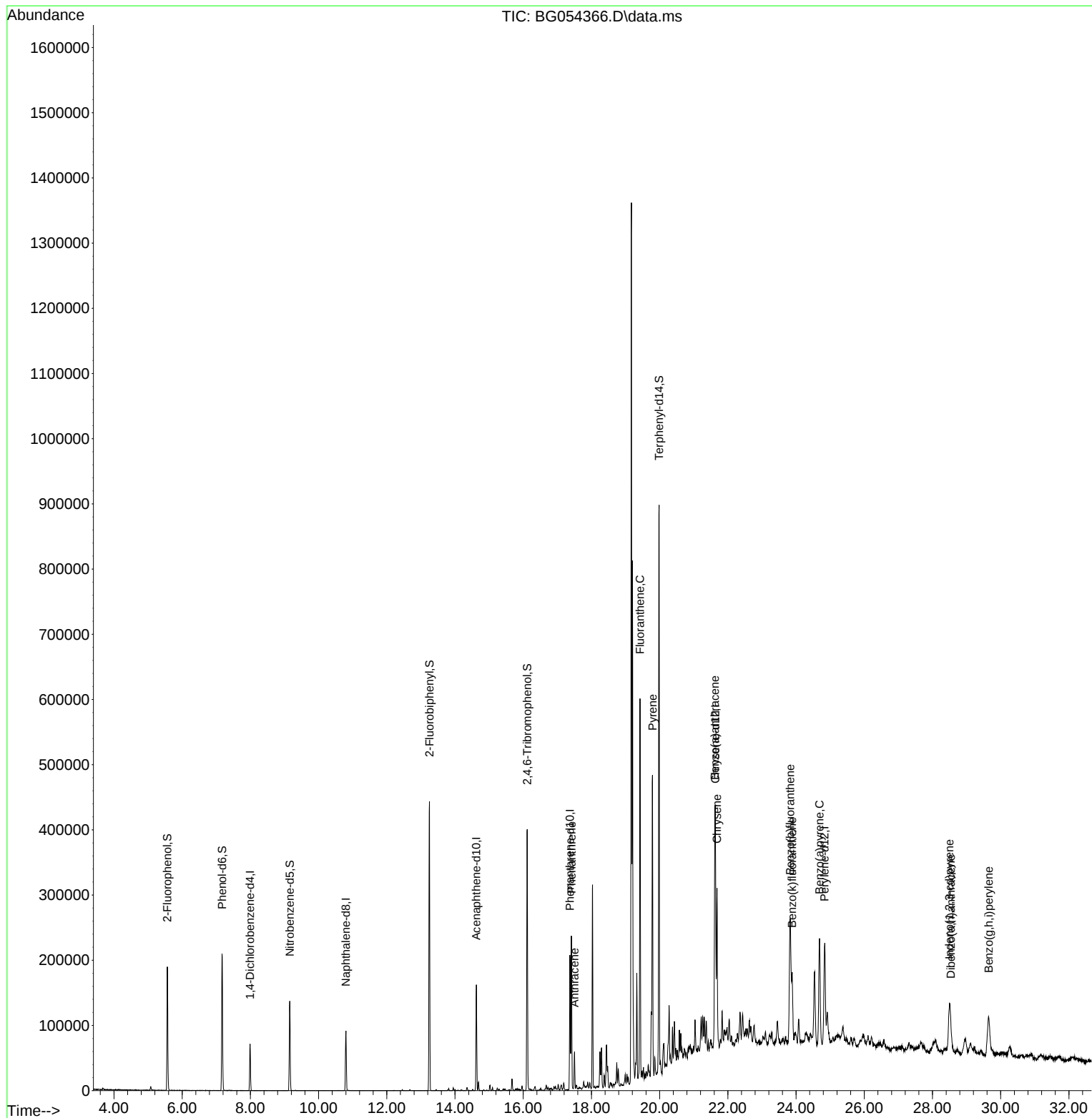
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
Data File : BG054366.D
Acq On : 22 Jul 2022 19:21
Operator : CG/JU
Sample : N3834-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

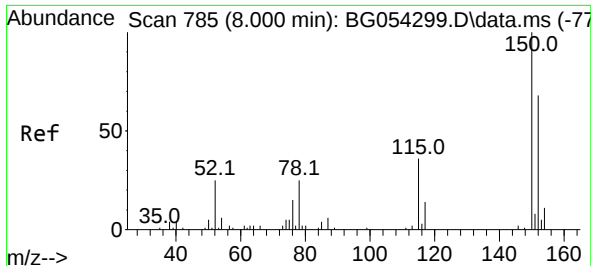
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
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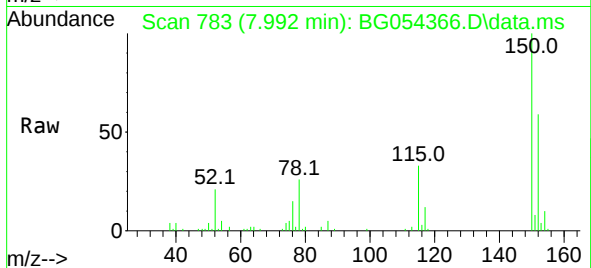
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.992 min Scan# 70
Delta R.T. -0.008 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21

Instrument :

BNA_G

ClientSampleId :

SU-04-072122

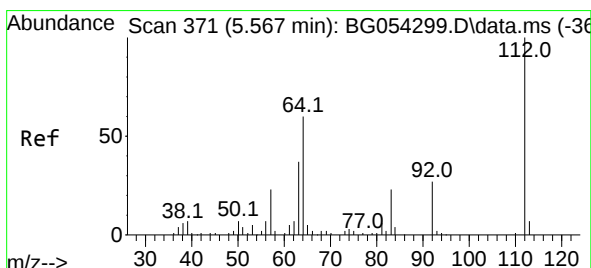
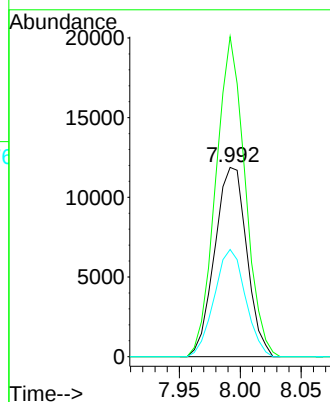


Tgt Ion:152 Resp: 21730
Ion Ratio Lower Upper
152 100
150 169.0 131.6 197.4
115 56.6 50.9 76.3

Manual Integrations

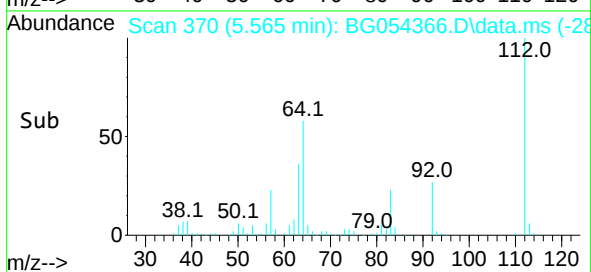
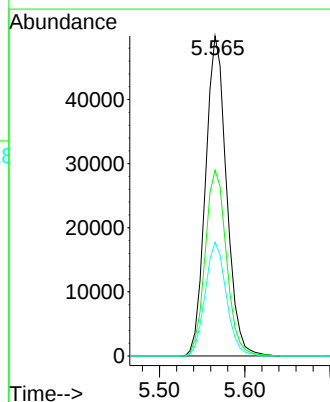
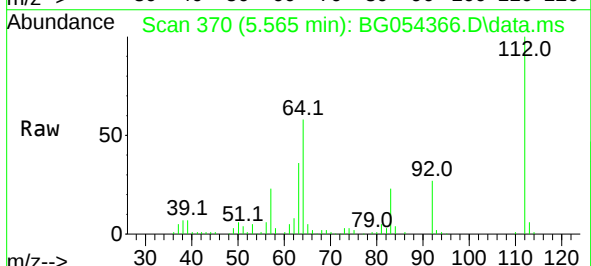
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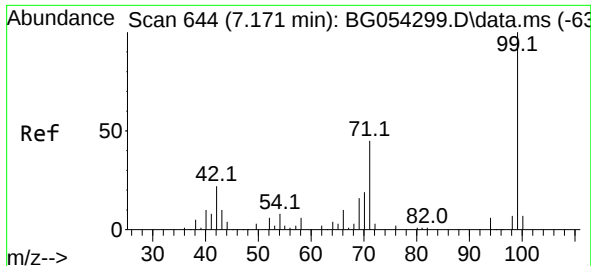
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#5
2-Fluorophenol
Concen: 82.132 ng
RT: 5.565 min Scan# 370
Delta R.T. -0.002 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21

Tgt Ion:112 Resp: 85504
Ion Ratio Lower Upper
112 100
64 58.0 55.1 82.7
63 35.5 30.4 45.6





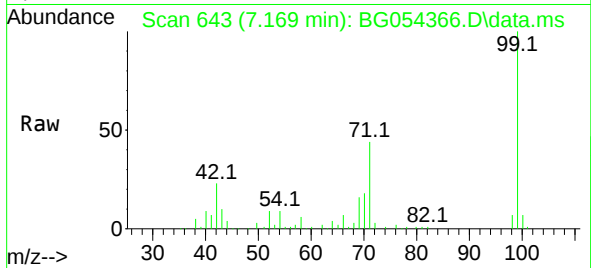
#7
Phenol-d6
Concen: 84.578 ng
RT: 7.169 min Scan# 644
Delta R.T. -0.002 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21

Instrument :

BNA_G

ClientSampleId :

SU-04-072122

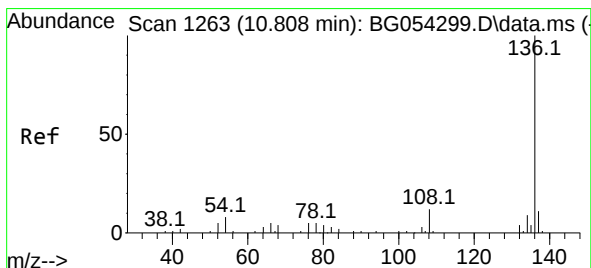
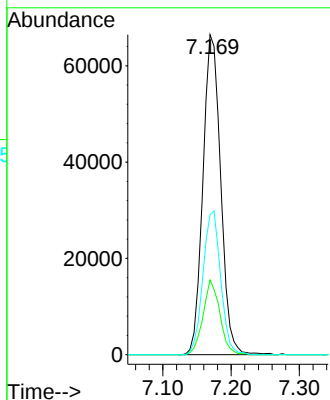
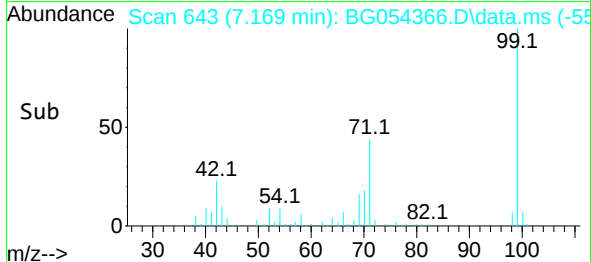


Tgt Ion: 99 Resp: 120650
Ion Ratio Lower Upper
99 100
42 23.3 17.0 25.6
71 43.7 33.8 50.8

Manual Integrations

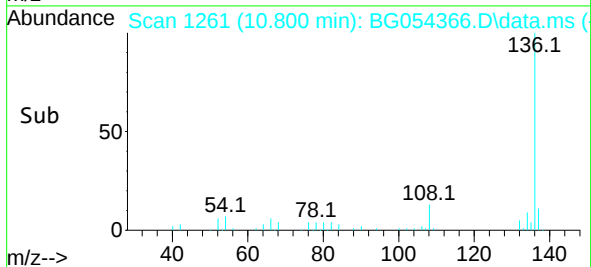
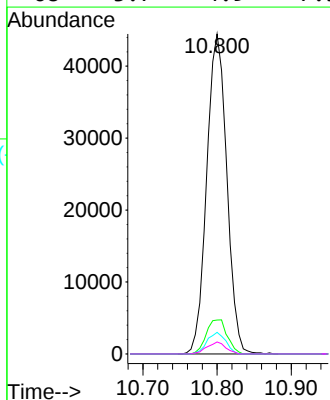
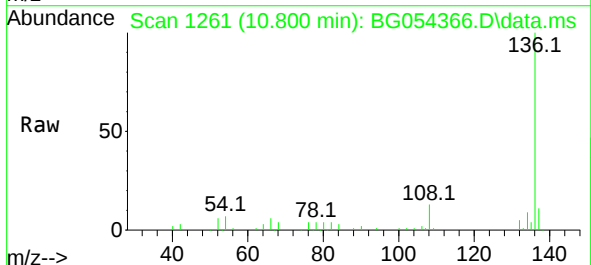
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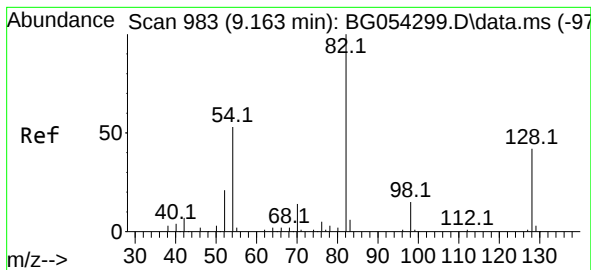
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.800 min Scan# 1261
Delta R.T. -0.008 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21

Tgt Ion:136 Resp: 83763
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 6.8 7.4 11.2#
68 3.7 4.9 7.3#





#23

Nitrobenzene-d5

Concen: 53.545 ng

RT: 9.155 min Scan# 91

Delta R.T. -0.008 min

Lab File: BG054366.D

Acq: 22 Jul 2022 19:21

Instrument :

BNA_G

ClientSampleId :

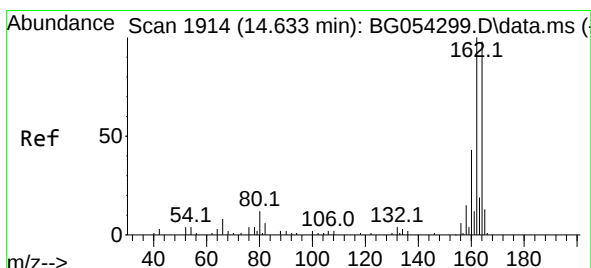
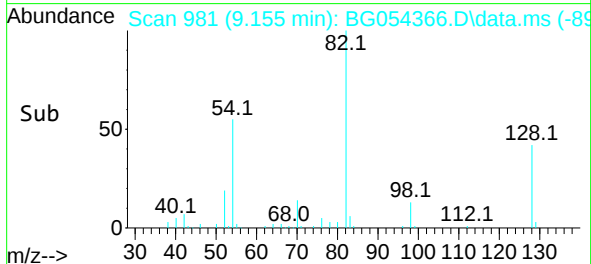
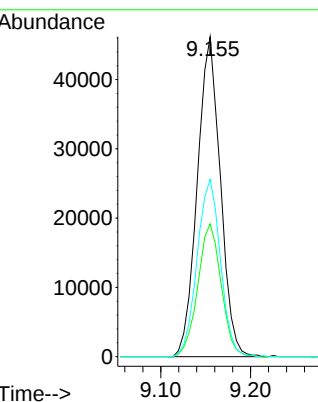
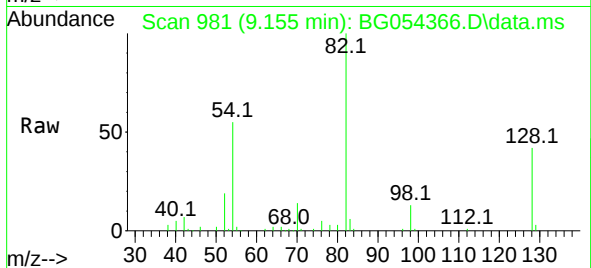
SU-04-072122

Tgt Ion: 82	Resp: 82360
Ion Ratio	Lower Upper
82	100
128	41.6 27.9 41.9
54	55.4 41.2 61.8

Manual Integrations

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Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

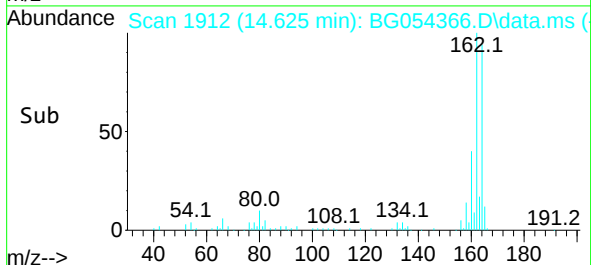
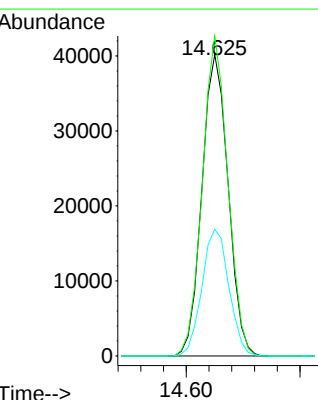
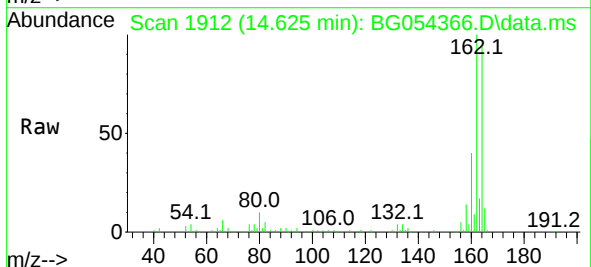
RT: 14.625 min Scan# 1912

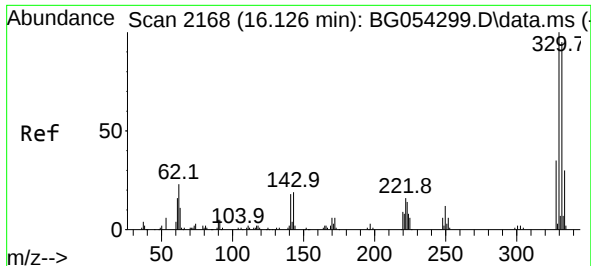
Delta R.T. -0.008 min

Lab File: BG054366.D

Acq: 22 Jul 2022 19:21

Tgt Ion:164	Resp: 64239
Ion Ratio	Lower Upper
164	100
162	106.1 82.3 123.5
160	42.0 34.2 51.2





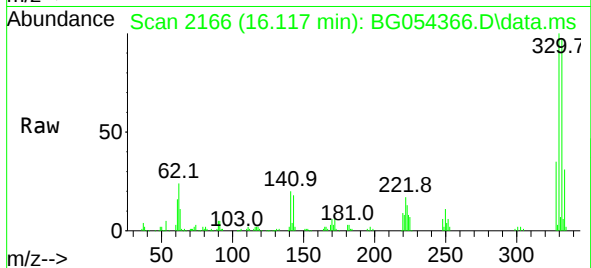
#42
2,4,6-Tribromophenol
Concen: 81.168 ng
RT: 16.117 min Scan# 2168
Delta R.T. -0.008 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21

Instrument :

BNA_G

ClientSampleId :

SU-04-072122

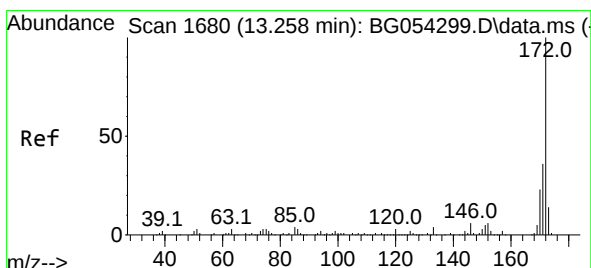
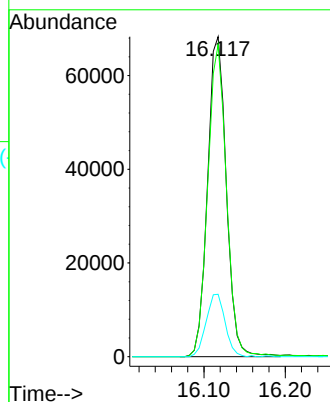
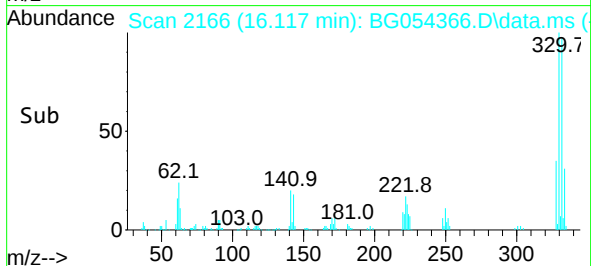


Tgt Ion:330 Resp: 109478
Ion Ratio Lower Upper
330 100
332 97.3 76.0 114.0
141 19.8 27.1 40.7

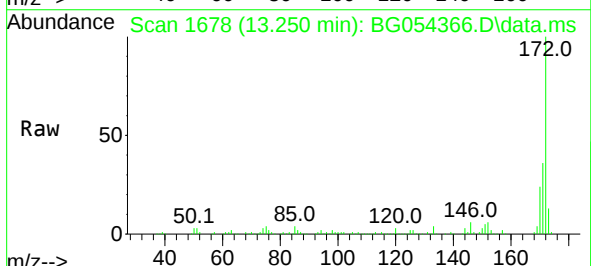
Manual Integrations

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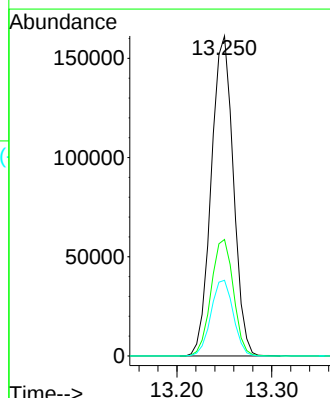
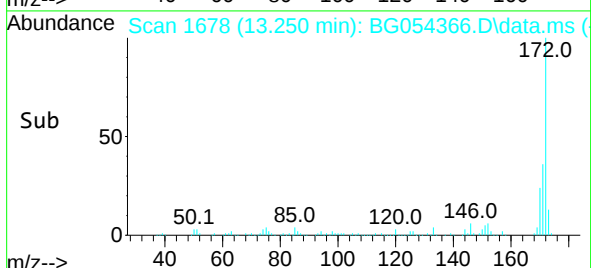
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

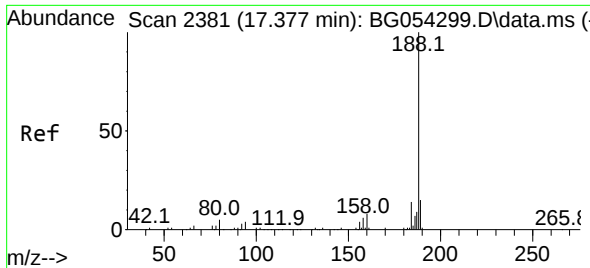


#45
2-Fluorobiphenyl
Concen: 57.237 ng
RT: 13.250 min Scan# 1678
Delta R.T. -0.008 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21



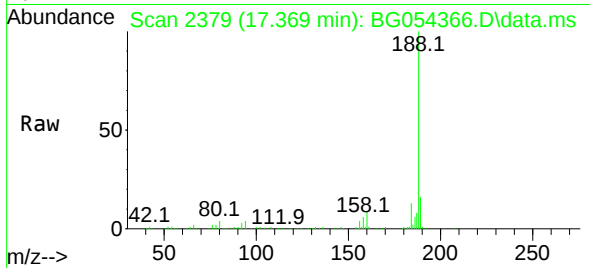
Tgt Ion:172 Resp: 260639
Ion Ratio Lower Upper
172 100
171 36.4 28.5 42.7
170 23.7 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.369 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21

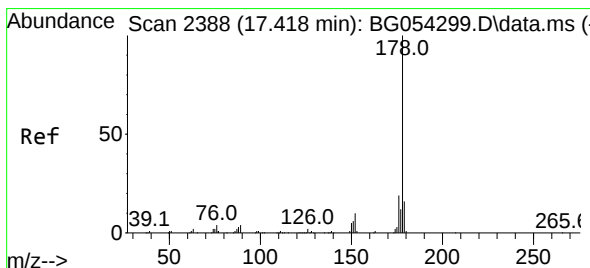
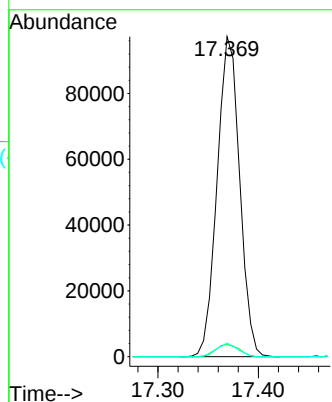
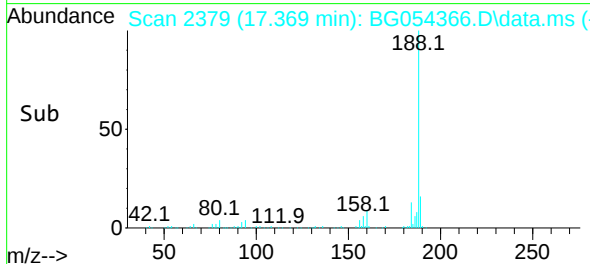
Instrument :
BNA_G
ClientSampleId :
SU-04-072122



Tgt Ion:188 Resp: 151630
Ion Ratio Lower Upper
188 100
94 3.8 5.4 8.0
80 4.2 6.8 10.2

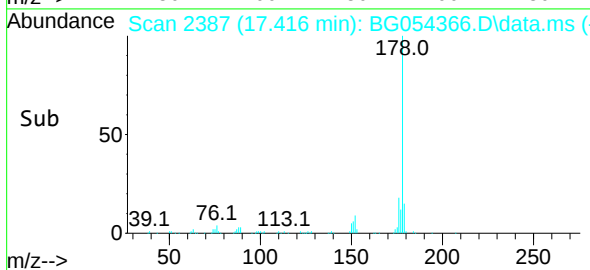
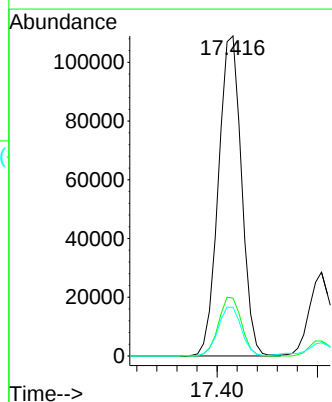
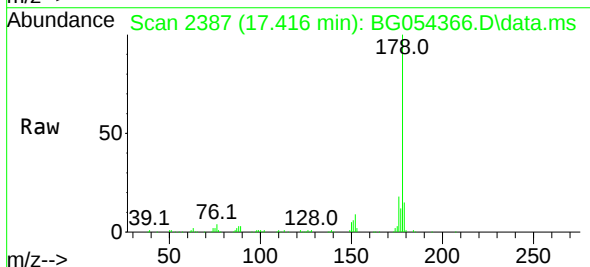
Manual Integrations
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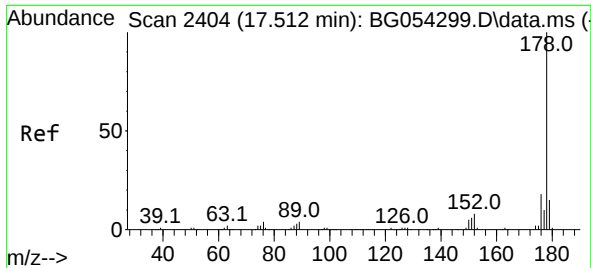
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#71
Phenanthrene
Concen: 23.042 ng
RT: 17.416 min Scan# 2387
Delta R.T. -0.002 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21

Tgt Ion:178 Resp: 173993
Ion Ratio Lower Upper
178 100
176 18.1 14.1 21.1
179 15.2 12.1 18.1





#72
 Anthracene
 Concen: 5.783 ng
 RT: 17.504 min Scan# 2404
 Delta R.T. -0.008 min
 Lab File: BG054366.D
 Acq: 22 Jul 2022 19:21

Instrument :

BNA_G

ClientSampleId :

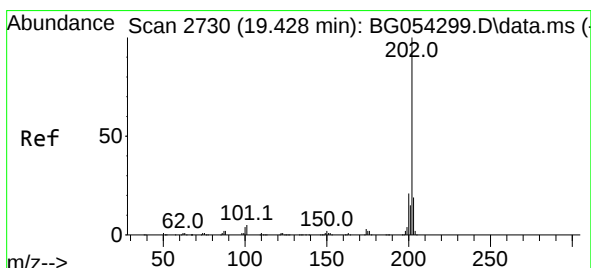
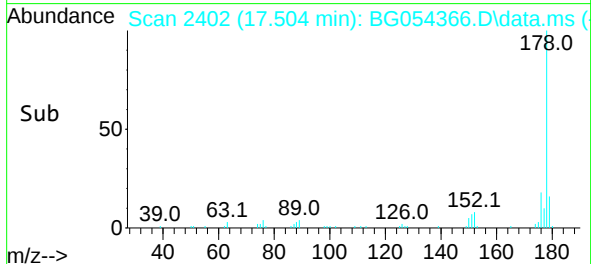
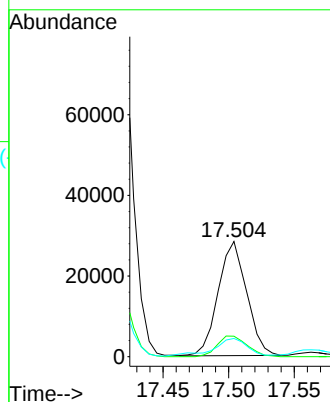
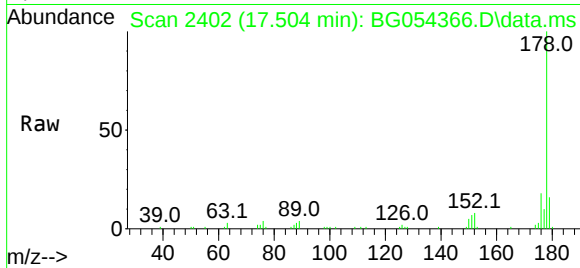
SU-04-072122

Tgt Ion:178 Resp: 4285
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.2 22.8
 179 15.9 13.0 19.4

Manual Integrations

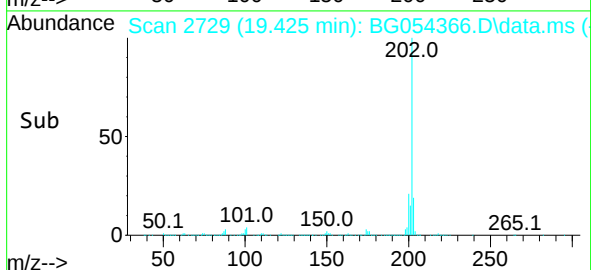
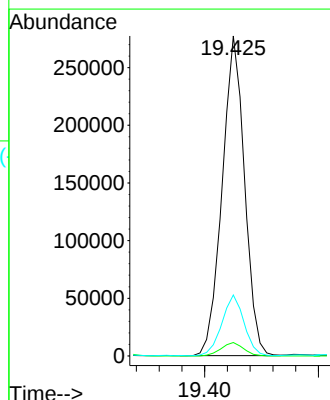
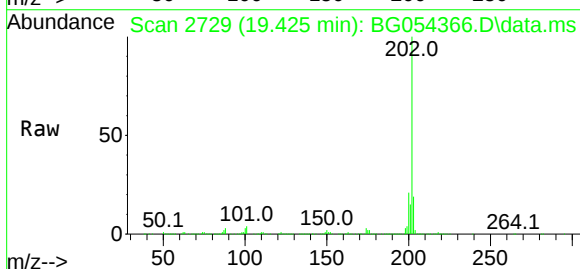
APPROVED

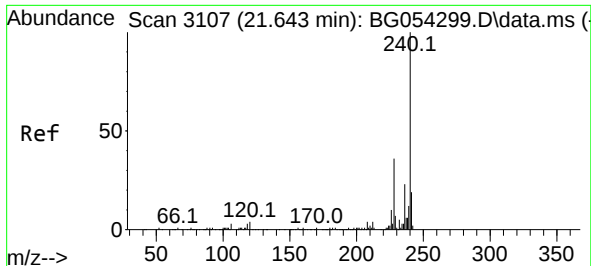
Reviewed By :Christian Giraldo 07/25/2022
 Supervised By :Jagrut Upadhyay 07/25/2022



#75
 Fluoranthene
 Concen: 36.824 ng
 RT: 19.425 min Scan# 2729
 Delta R.T. -0.002 min
 Lab File: BG054366.D
 Acq: 22 Jul 2022 19:21

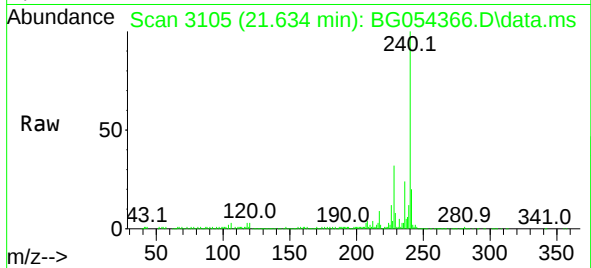
Tgt Ion:202 Resp: 379043
 Ion Ratio Lower Upper
 202 100
 101 4.2 0.0 26.9
 203 19.1 0.0 37.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.634 min Scan# 3105
Delta R.T. -0.009 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21

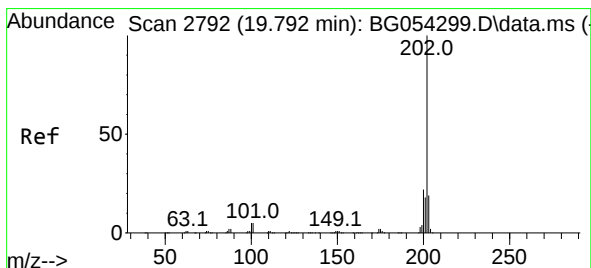
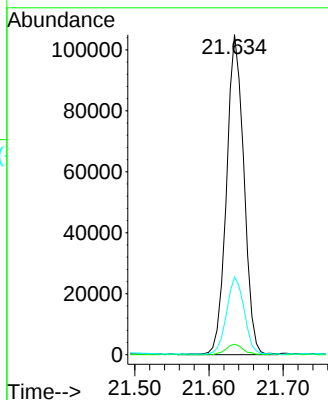
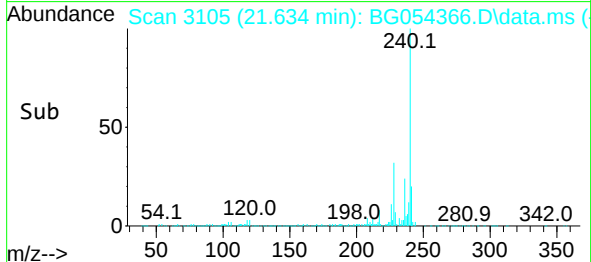
Instrument :
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SU-04-072122



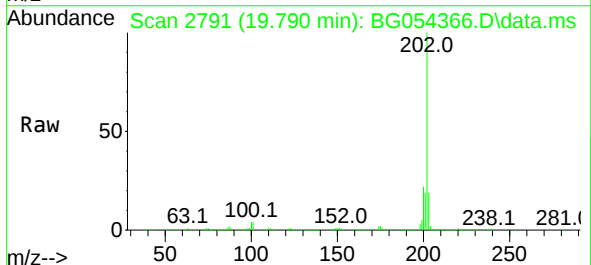
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Ion Ratio Lower Upper
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120 3.3 4.6 7.0
236 24.3 20.2 30.4

Manual Integrations
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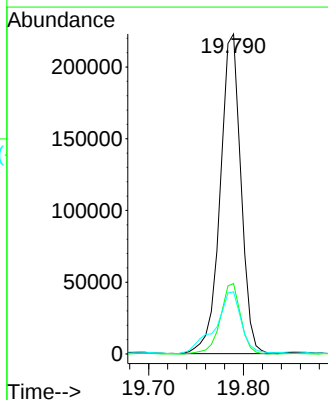
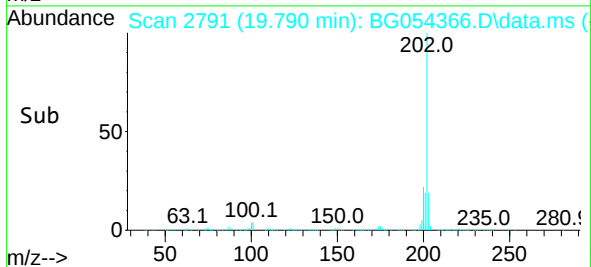
Reviewed By :Christian Giraldo 07/25/2022
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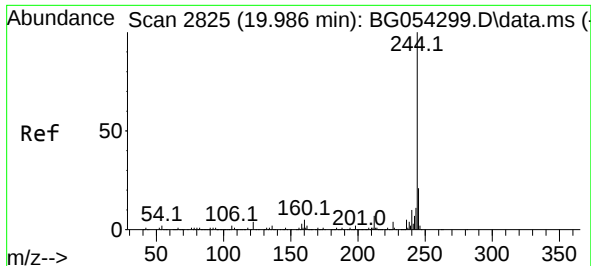


#78
Pyrene
Concen: 34.497 ng
RT: 19.790 min Scan# 2791
Delta R.T. -0.002 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21



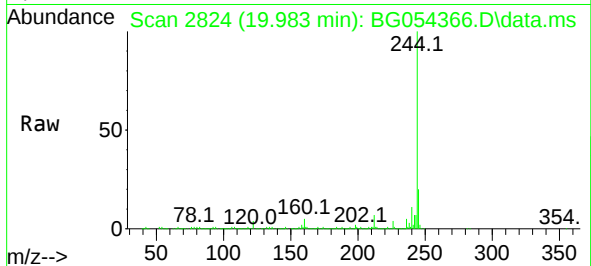
Tgt Ion:202 Resp: 337914
Ion Ratio Lower Upper
202 100
200 22.0 16.6 24.8
203 19.4 14.6 21.8





#79
 Terphenyl-d14
 Concen: 59.041 ng
 RT: 19.983 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG054366.D
 Acq: 22 Jul 2022 19:21

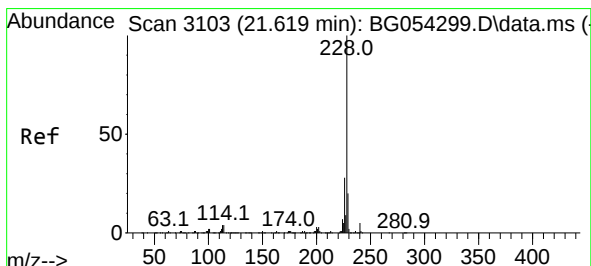
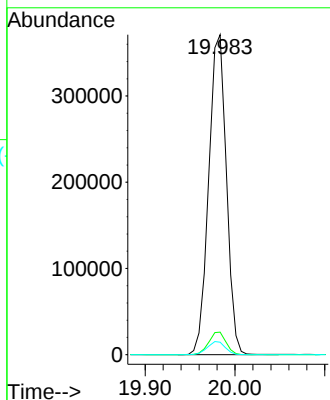
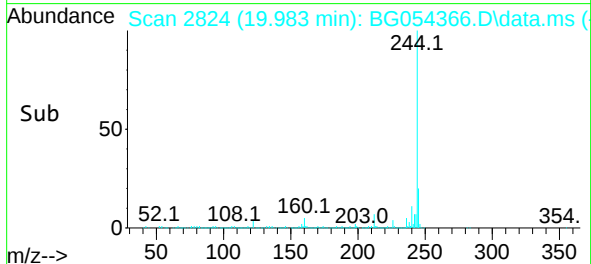
Instrument :
 BNA_G
 ClientSampleId :
 SU-04-072122



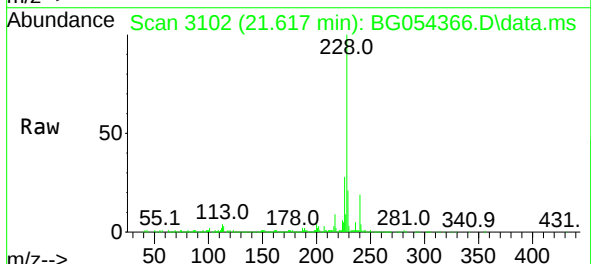
Tgt Ion:244 Resp: 508070
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 3.9 5.0 7.4

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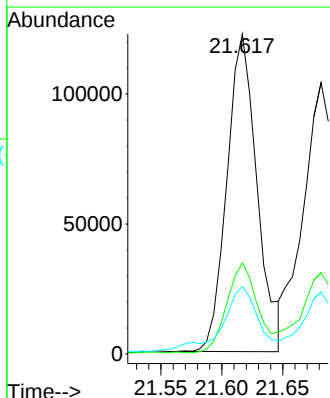
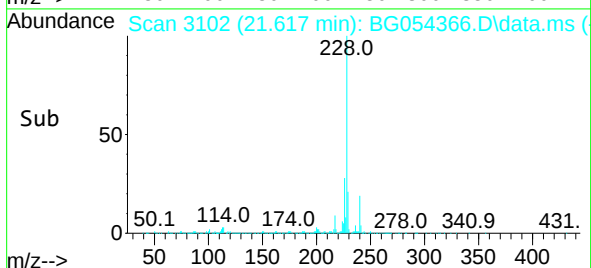
Reviewed By :Christian Giraldo 07/25/2022
 Supervised By :Jagrut Upadhyay 07/25/2022

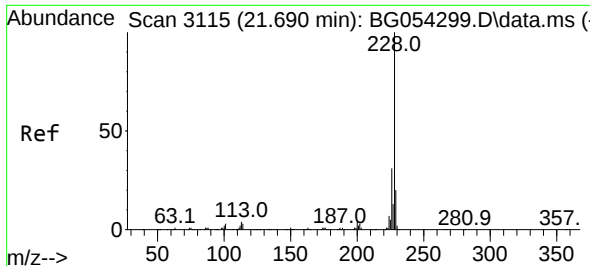


#81
 Benzo(a)anthracene
 Concen: 19.438 ng
 RT: 21.617 min Scan# 3102
 Delta R.T. -0.002 min
 Lab File: BG054366.D
 Acq: 22 Jul 2022 19:21



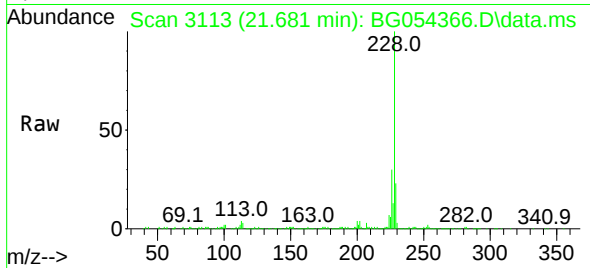
Tgt Ion:228 Resp: 210653
 Ion Ratio Lower Upper
 228 100
 226 28.4 21.6 32.4
 229 21.1 16.2 24.2





#83
Chrysene
Concen: 18.587 ng
RT: 21.681 min Scan# 3115
Delta R.T. -0.008 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21

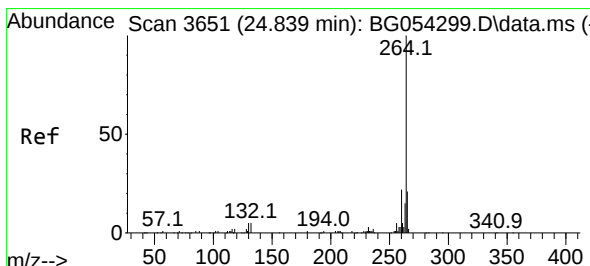
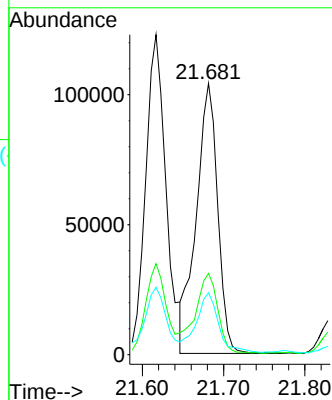
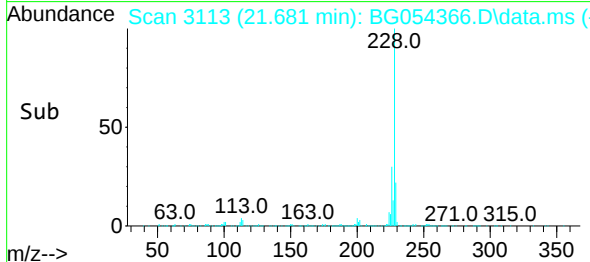
Instrument :
BNA_G
ClientSampleId :
SU-04-072122



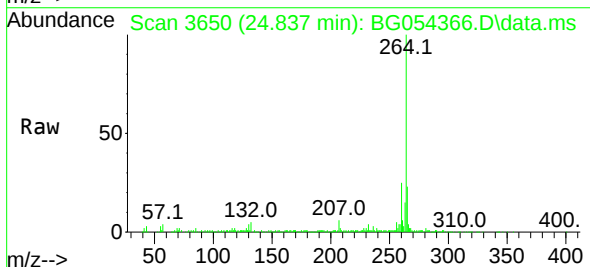
Tgt Ion:228 Resp: 190305
Ion Ratio Lower Upper
228 100
226 30.0 23.4 35.2
229 22.8 15.5 23.3

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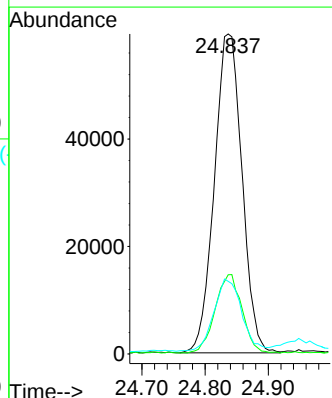
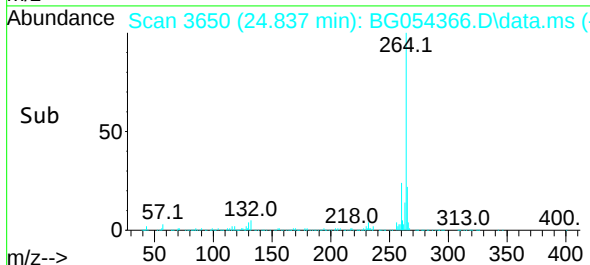
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

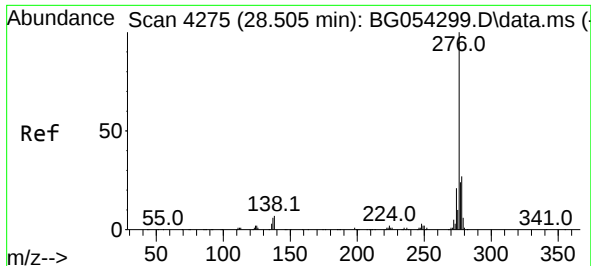


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.837 min Scan# 3650
Delta R.T. -0.002 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21



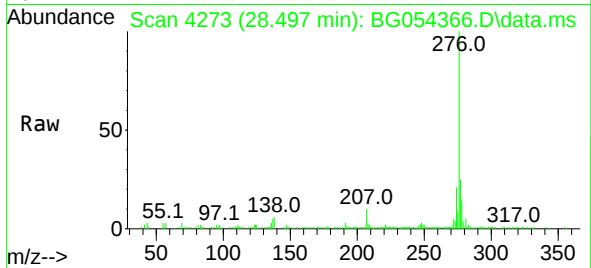
Tgt Ion:264 Resp: 180462
Ion Ratio Lower Upper
264 100
260 24.8 19.0 28.6
265 22.7 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 11.306 ng
RT: 28.497 min Scan# 41
Delta R.T. -0.008 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21

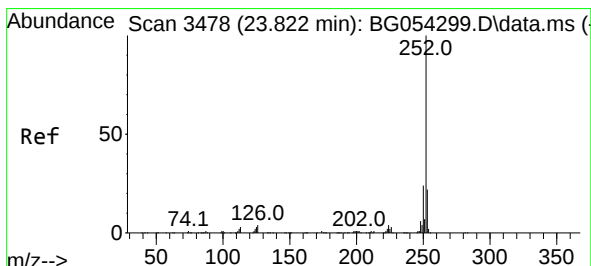
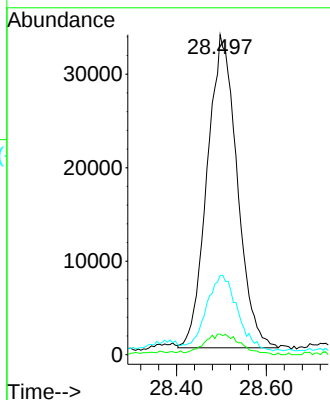
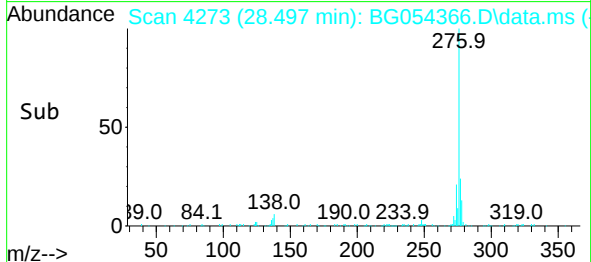
Instrument :
BNA_G
ClientSampleId :
SU-04-072122



Tgt Ion:276 Resp: 15521
Ion Ratio Lower Upper
276 100
138 7.9 5.0 7.4
277 25.1 20.3 30.5

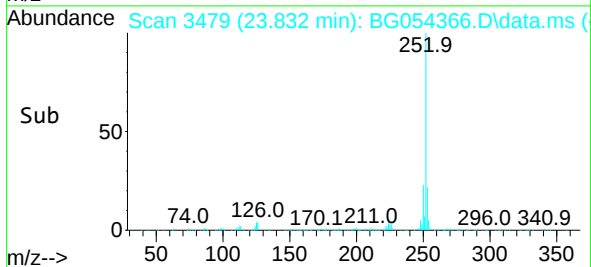
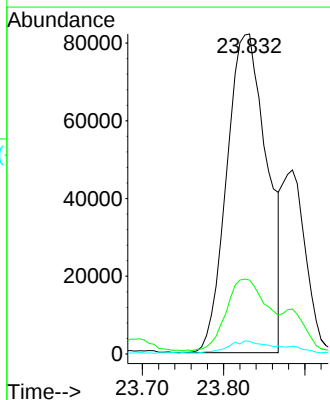
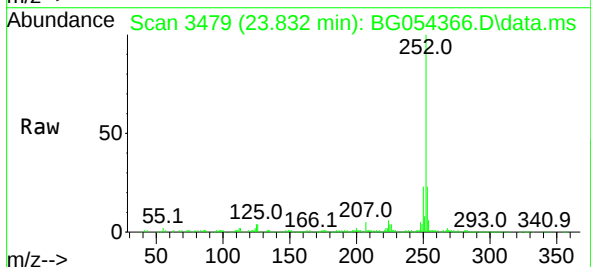
Manual Integrations
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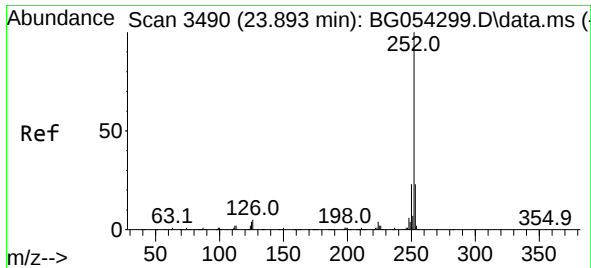
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#88
Benzo(b)fluoranthene
Concen: 26.483 ng
RT: 23.832 min Scan# 3479
Delta R.T. 0.009 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21

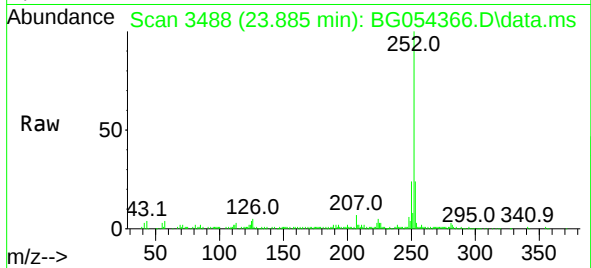
Tgt Ion:252 Resp: 282635
Ion Ratio Lower Upper
252 100
253 23.1 18.0 27.0
125 4.0 4.6 6.8





#89
Benzo(k)fluoranthene
Concen: 8.892 ng m
RT: 23.885 min Scan# 3490
Delta R.T. -0.008 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21

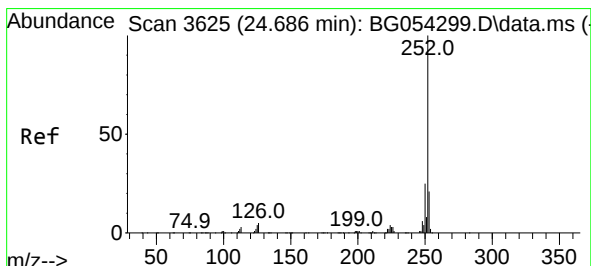
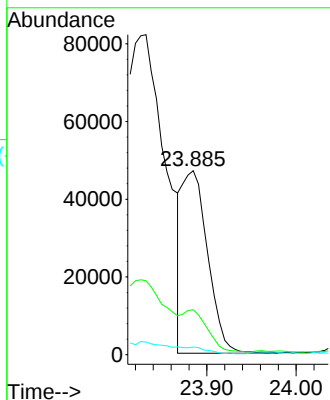
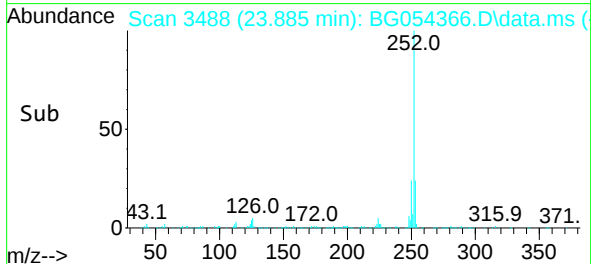
Instrument :
BNA_G
ClientSampleId :
SU-04-072122



Tgt Ion:252 Resp: 9444
Ion Ratio Lower Upper
252 100
253 24.5 18.4 27.6
125 4.2 4.8 7.2

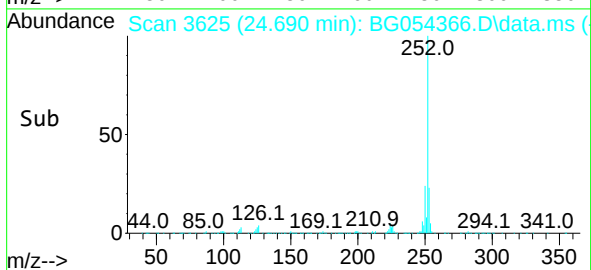
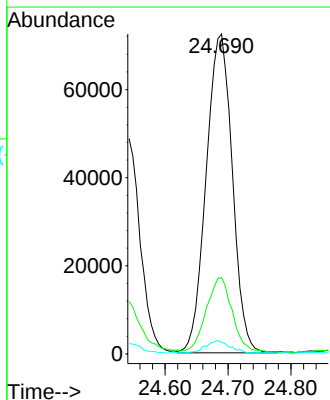
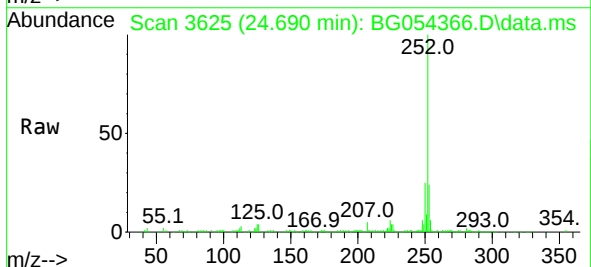
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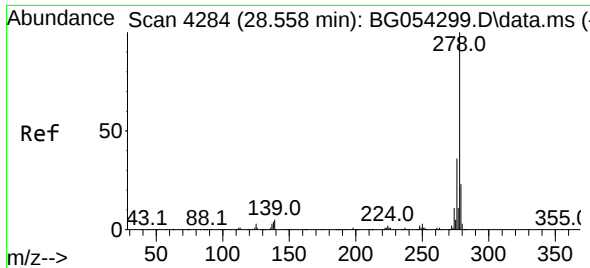
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#90
Benzo(a)pyrene
Concen: 22.973 ng m
RT: 24.690 min Scan# 3625
Delta R.T. 0.003 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21

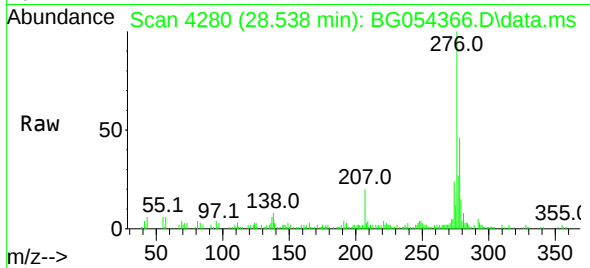
Tgt Ion:252 Resp: 209384
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.8
125 3.6 4.3 6.5





#91
 Dibenzo(a,h)anthracene
 Concen: 3.501 ng
 RT: 28.538 min Scan# 4280
 Delta R.T. -0.020 min
 Lab File: BG054366.D
 Acq: 22 Jul 2022 19:21

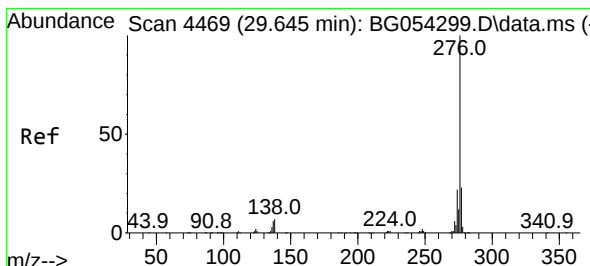
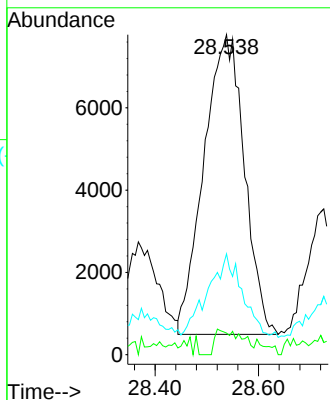
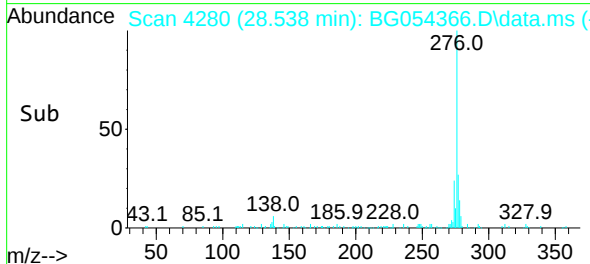
Instrument :
 BNA_G
 ClientSampleId :
 SU-04-072122



Tgt Ion:278 Resp: 39524
 Ion Ratio Lower Upper
 278 100
 139 6.7 7.2 10.8
 279 31.5 18.6 27.8

Manual Integrations
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Reviewed By :Christian Giraldo 07/25/2022
 Supervised By :Jagrut Upadhyay 07/25/2022



#92
 Benzo(g,h,i)perylene
 Concen: 14.099 ng
 RT: 29.649 min Scan# 4469
 Delta R.T. 0.003 min
 Lab File: BG054366.D
 Acq: 22 Jul 2022 19:21

Tgt Ion:276 Resp: 157088
 Ion Ratio Lower Upper
 276 100
 277 25.0 17.3 25.9
 138 6.1 9.6 14.4

