

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
 Data File : BG054396.D
 Acq On : 26 Jul 2022 13:28
 Operator : CG/JU
 Sample : N3888-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S-2ND-TP

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/27/2022
 Supervised By : Jagrut Upadhyay 07/27/2022

Quant Time: Jul 27 04:33:12 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	7.989	152	15740	20.000	ng	-0.01
21) Naphthalene-d8	10.797	136	61546	20.000	ng	#-0.01
39) Acenaphthene-d10	14.622	164	49647	20.000	ng	-0.01
64) Phenanthrene-d10	17.366	188	134407	20.000	ng	#-0.01
76) Chrysene-d12	21.632	240	157248	20.000	ng	#-0.01
86) Perylene-d12	24.828	264	166642	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.562	112	83665	110.980	ng	0.00
7) Phenol-d6	7.172	99	112030	108.452	ng	0.00
23) Nitrobenzene-d5	9.152	82	76223	67.444	ng	-0.01
42) 2,4,6-Tribromophenol	16.114	330	109067	104.630	ng	-0.01
45) 2-Fluorobiphenyl	13.247	172	229884	65.320	ng	-0.01
79) Terphenyl-d14	19.975	244	530335	66.906	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.844	128	32844	10.631	ng	98
37) 2-Methylnaphthalene	12.454	142	14938	6.296	ng	93
38) 1-Methylnaphthalene	12.671	142	10950	4.737	ng	# 90
49) Acenaphthylene	14.346	152	11849	2.805	ng	# 93
71) Phenanthrene	17.413	178	44612	6.665	ng	96
72) Anthracene	17.501	178	15871	2.416	ng	98
75) Fluoranthene	19.422	202	58290	6.389	ng	96
78) Pyrene	19.781	202	72790	8.067	ng	99
81) Benzo(a)anthracene	21.614	228	55661	5.576	ng	91
83) Chrysene	21.679	228	52638	5.582	ng	# 94
87) Indeno(1,2,3-cd)pyrene	28.488	276	88561	6.986	ng	94
88) Benzo(b)fluoranthene	23.817	252	101755m	10.325	ng	
89) Benzo(k)fluoranthene	23.870	252	36047m	3.675	ng	
90) Benzo(a)pyrene	24.675	252	90860	10.796	ng	99
91) Dibenzo(a,h)anthracene	28.506	278	28941	2.776	ng	94
92) Benzo(g,h,i)perylene	29.640	276	88815	8.632	ng	94

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

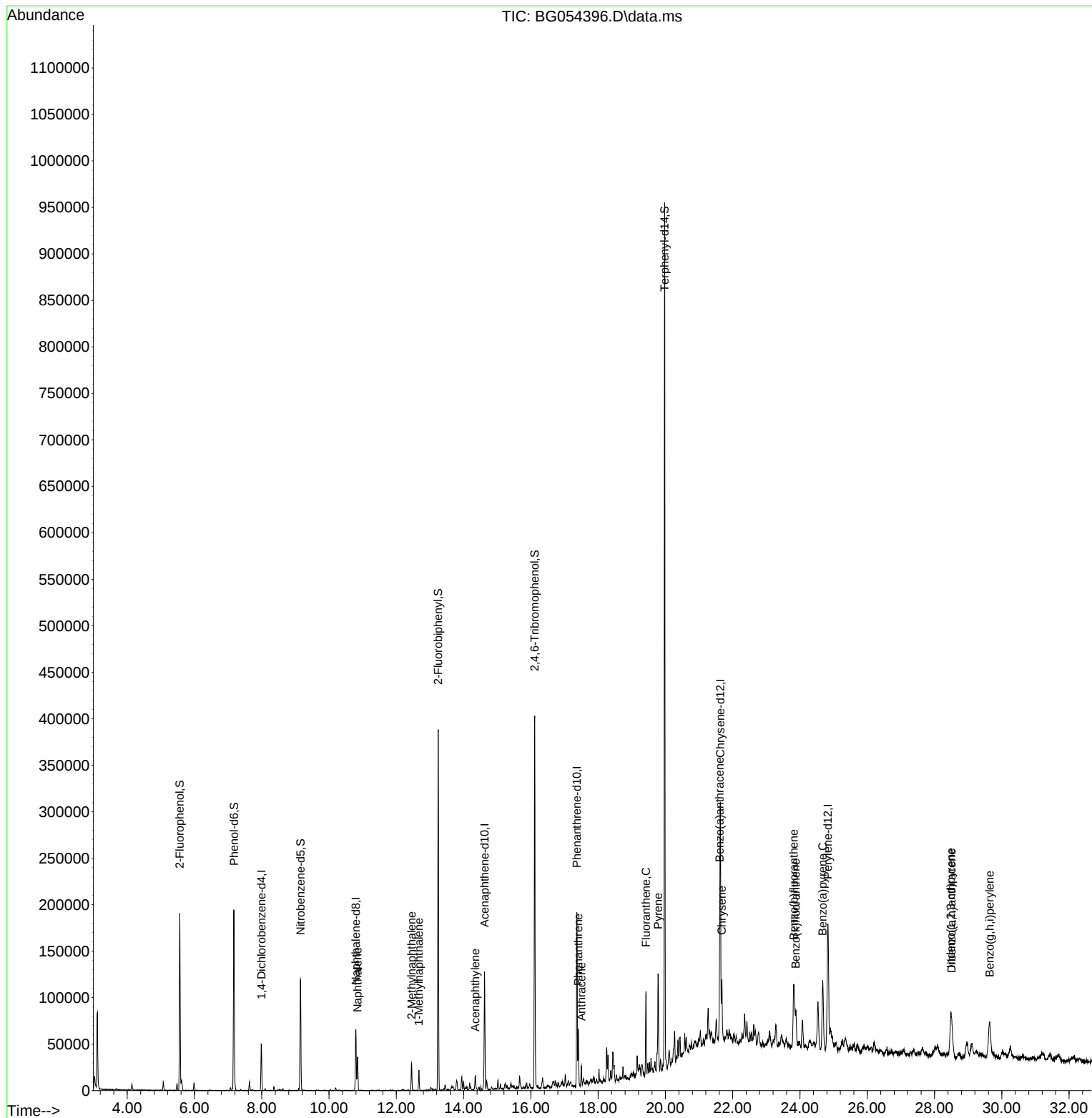
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
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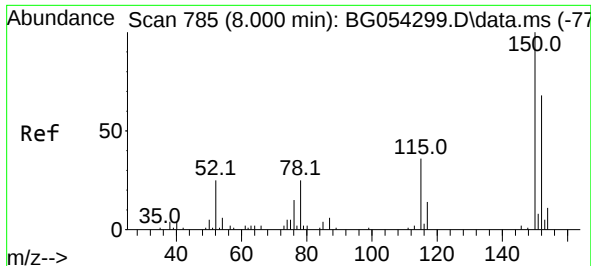
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Quant Time: Jul 27 04:33:12 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
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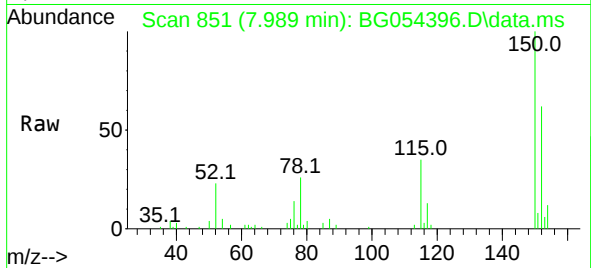
Reviewed By : Christian Giraldo 07/27/2022
Supervised By : Jagrut Upadhyay 07/27/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.989 min Scan# 81
Delta R.T. -0.011 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28

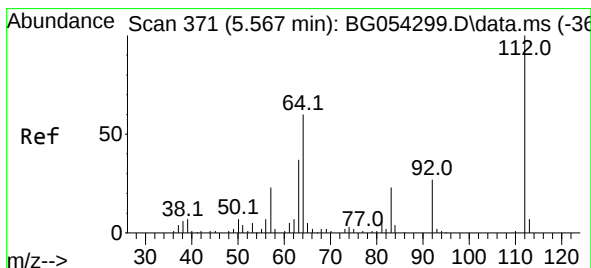
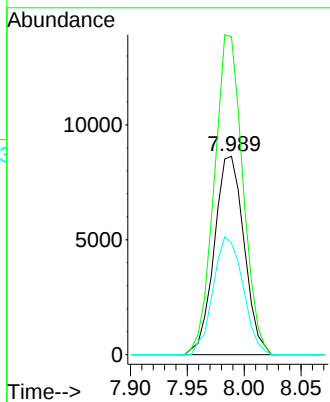
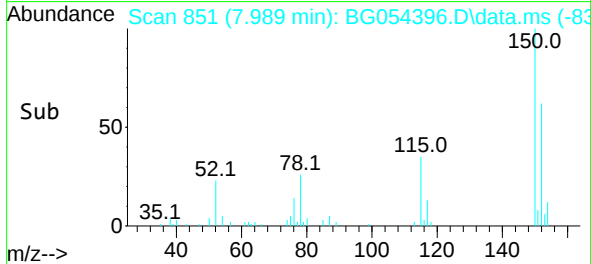
Instrument :
BNA_G
ClientSampleId :
S-2ND-TP



Tgt Ion:152 Resp: 15740
Ion Ratio Lower Upper
152 100
150 160.2 131.6 197.4
115 56.3 50.9 76.3

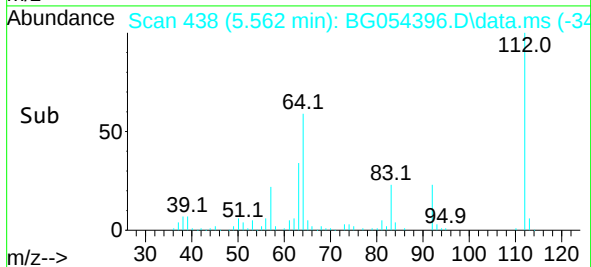
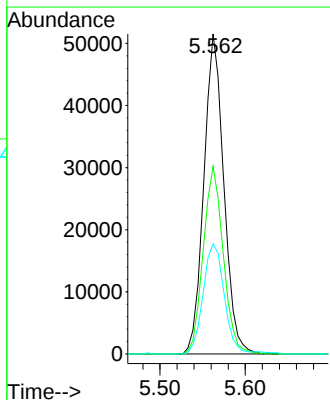
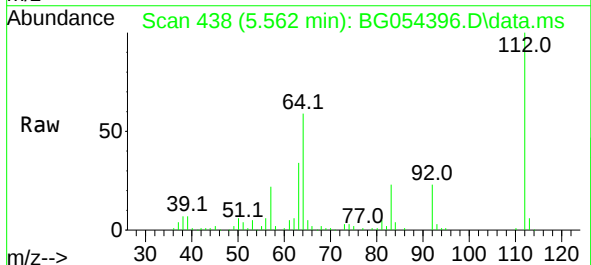
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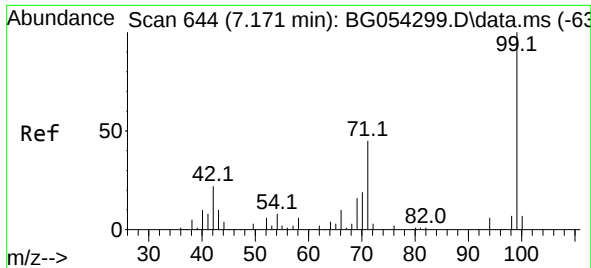
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022



#5
2-Fluorophenol
Concen: 110.980 ng
RT: 5.562 min Scan# 438
Delta R.T. -0.005 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28

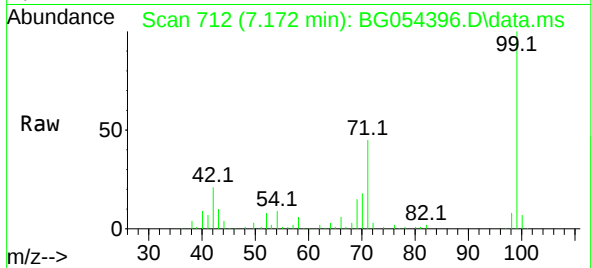
Tgt Ion:112 Resp: 83665
Ion Ratio Lower Upper
112 100
64 58.6 55.1 82.7
63 34.4 30.4 45.6





#7
Phenol-d6
Concen: 108.452 ng
RT: 7.172 min Scan# 71
Delta R.T. 0.001 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28

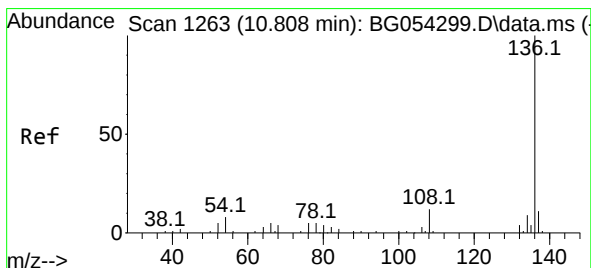
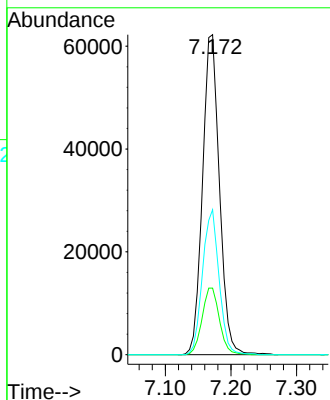
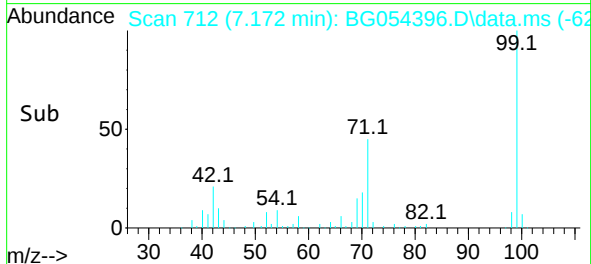
Instrument :
BNA_G
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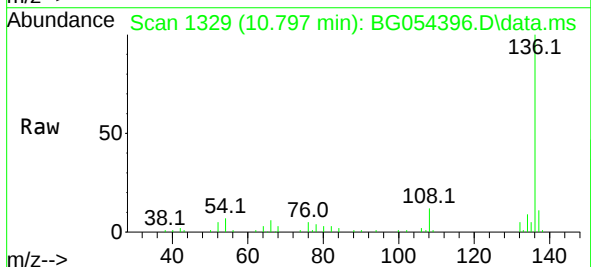
Tgt Ion: 99 Resp: 112030
Ion Ratio Lower Upper
99 100
42 20.8 17.0 25.6
71 45.3 33.8 50.8

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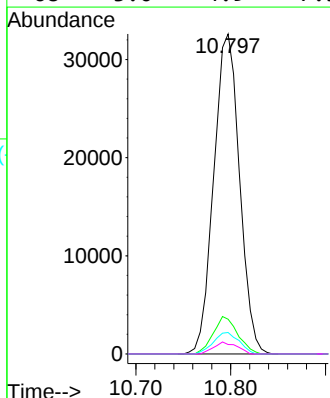
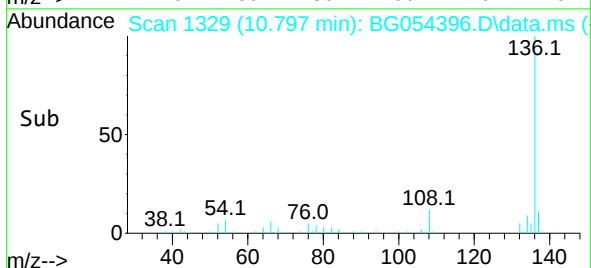
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022

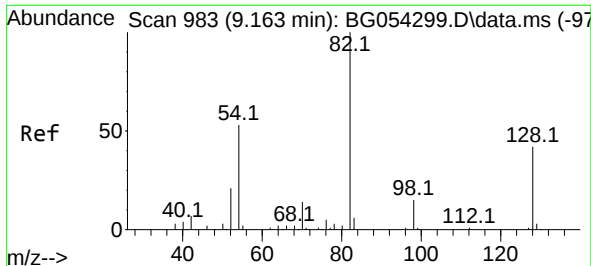


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.797 min Scan# 1329
Delta R.T. -0.011 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28



Tgt Ion:136 Resp: 61546
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 6.7 7.4 11.2#
68 3.0 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 67.444 ng
RT: 9.152 min Scan# 1049
Delta R.T. -0.011 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28

Instrument :

BNA_G

ClientSampleId :

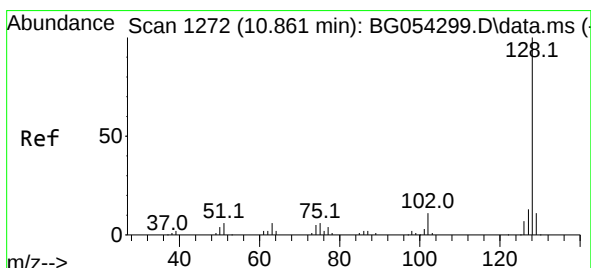
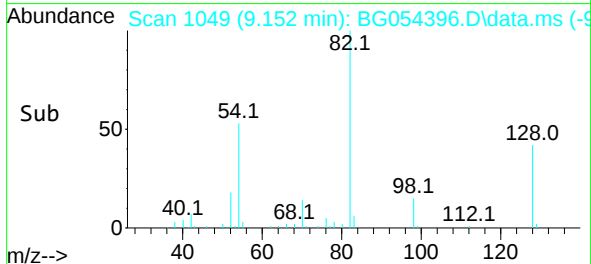
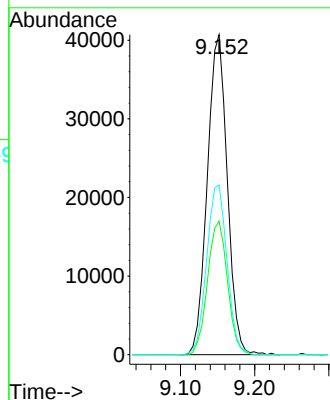
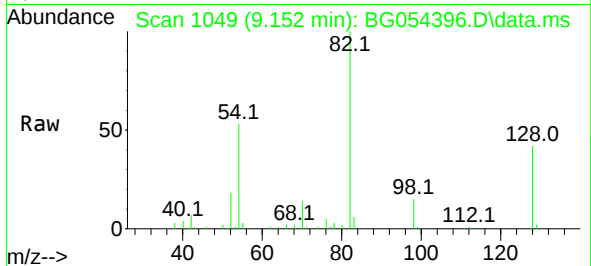
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Tgt Ion: 82 Resp: 7622
Ion Ratio Lower Upper
82 100
128 41.7 27.9 41.9
54 53.0 41.2 61.8

Manual Integrations

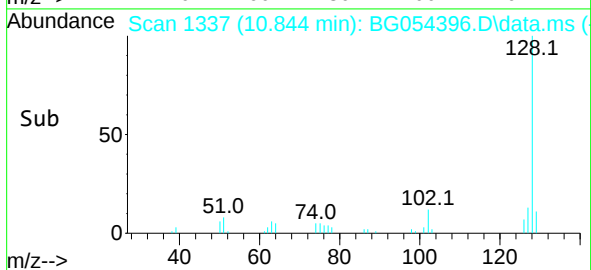
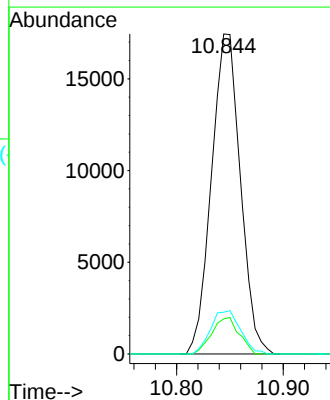
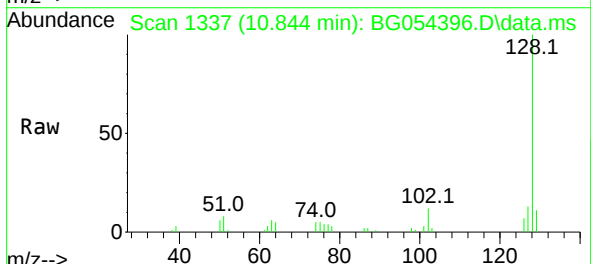
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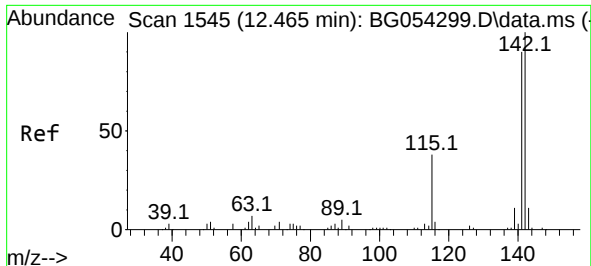
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022



#31
Naphthalene
Concen: 10.631 ng
RT: 10.844 min Scan# 1337
Delta R.T. -0.017 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28

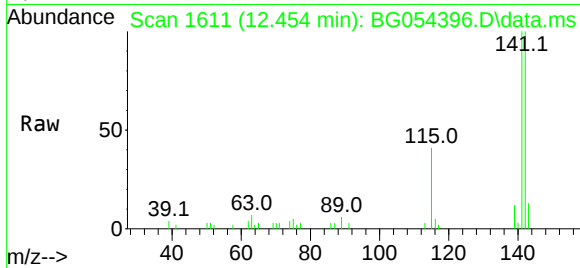
Tgt Ion:128 Resp: 32844
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.6
127 13.1 11.1 16.7





#37
2-Methylnaphthalene
Concen: 6.296 ng
RT: 12.454 min Scan# 1
Delta R.T. -0.011 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28

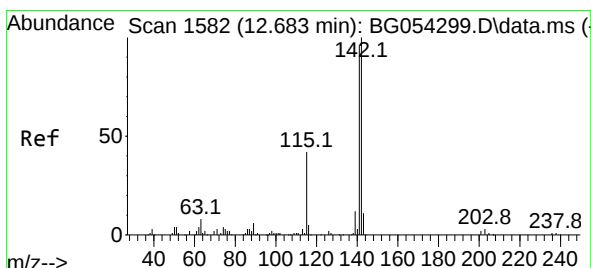
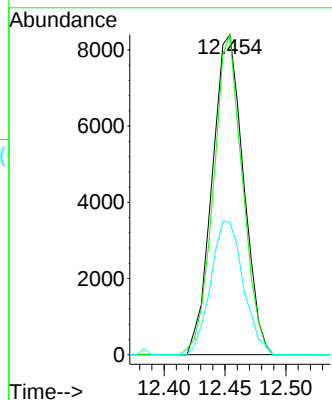
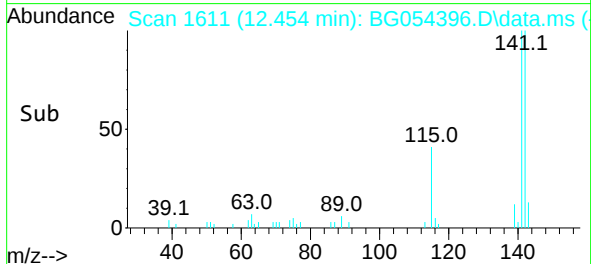
Instrument :
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ClientSampleId :
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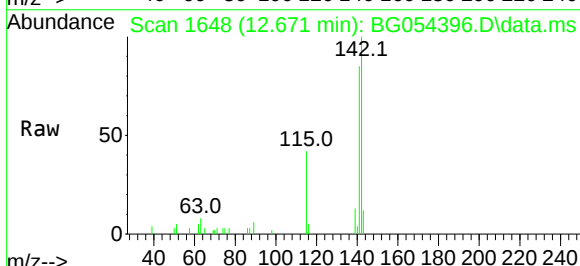
Tgt Ion:142 Resp: 14938
Ion Ratio Lower Upper
142 100
141 99.9 72.3 108.5
115 41.3 33.7 50.5

Manual Integrations
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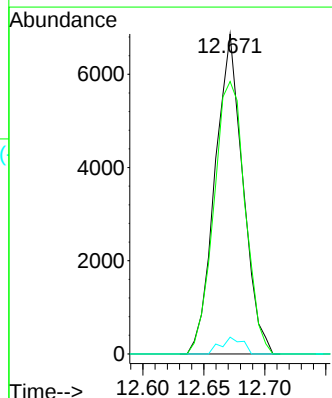
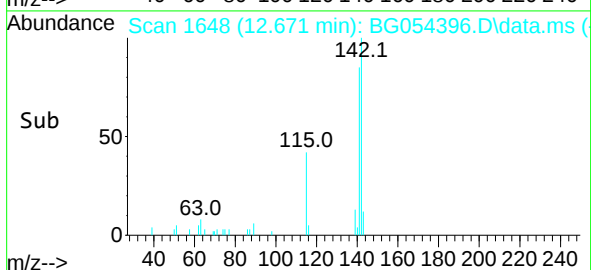
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022

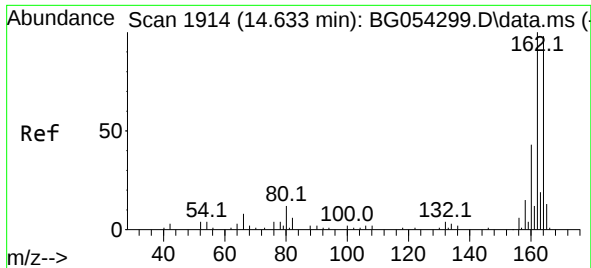


#38
1-Methylnaphthalene
Concen: 4.737 ng
RT: 12.671 min Scan# 1648
Delta R.T. -0.011 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28



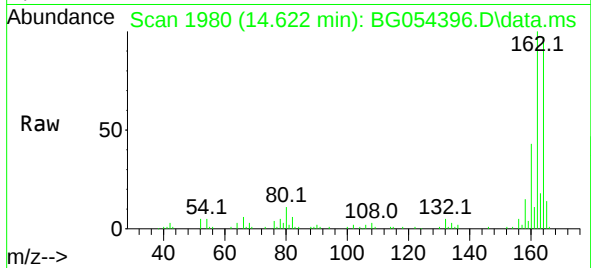
Tgt Ion:142 Resp: 10950
Ion Ratio Lower Upper
142 100
141 85.2 76.4 114.6
116 5.2 3.3 4.9#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.622 min Scan# 1914
Delta R.T. -0.011 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28

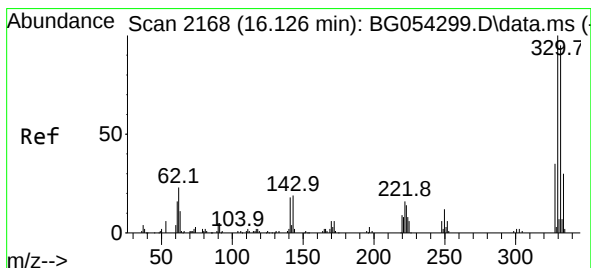
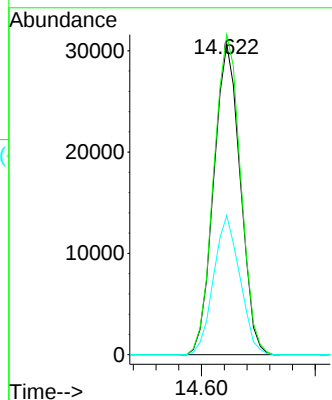
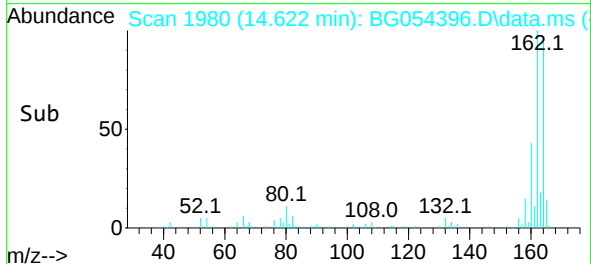
Instrument :
BNA_G
ClientSampleId :
S-2ND-TP



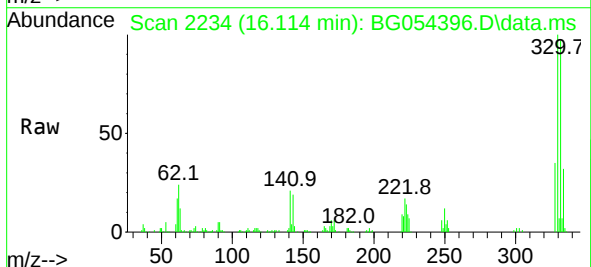
Tgt Ion:164 Resp: 4964
Ion Ratio Lower Upper
164 100
162 103.0 82.3 123.5
160 44.8 34.2 51.2

Manual Integrations
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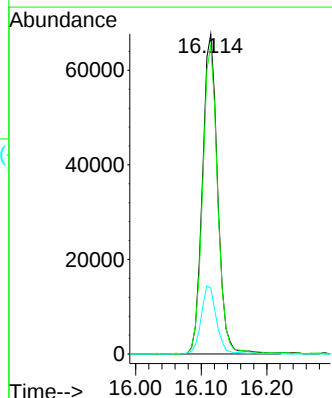
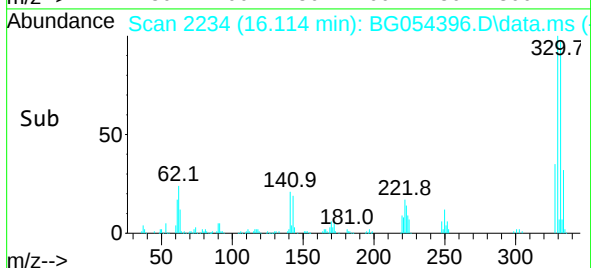
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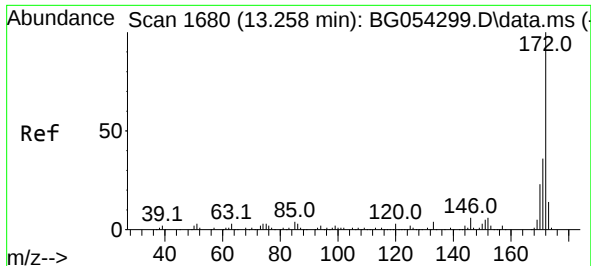


#42
2,4,6-Tribromophenol
Concen: 104.630 ng
RT: 16.114 min Scan# 2234
Delta R.T. -0.011 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28



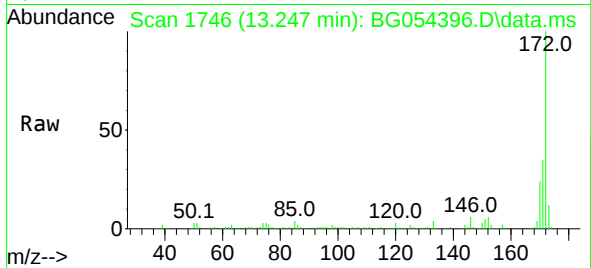
Tgt Ion:330 Resp: 109067
Ion Ratio Lower Upper
330 100
332 95.8 76.0 114.0
141 21.4 27.1 40.7#





#45
2-Fluorobiphenyl
Concen: 65.320 ng
RT: 13.247 min Scan# 11
Delta R.T. -0.011 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28

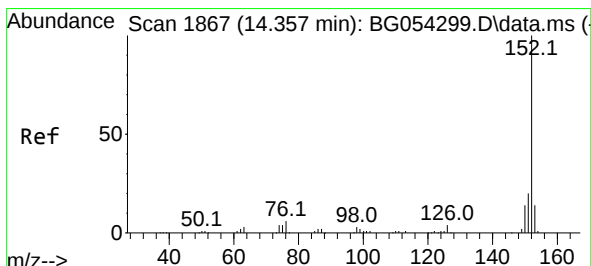
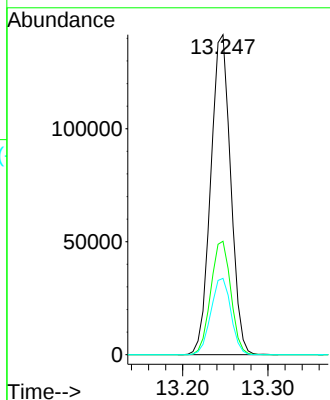
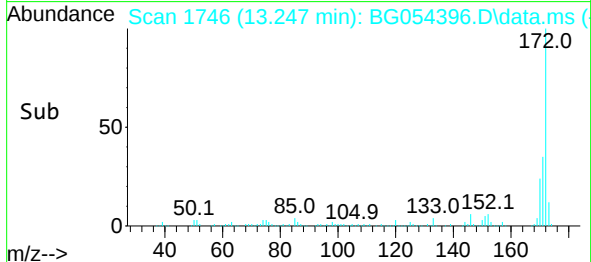
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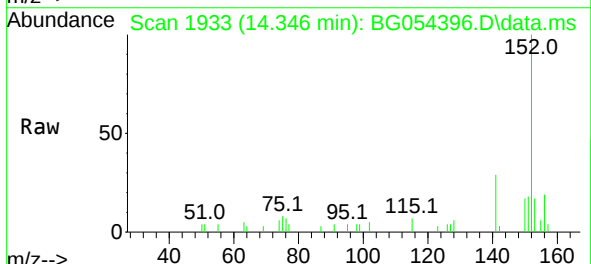
Tgt Ion:172 Resp: 229884
Ion Ratio Lower Upper
172 100
171 35.5 28.5 42.7
170 23.9 18.9 28.3

Manual Integrations
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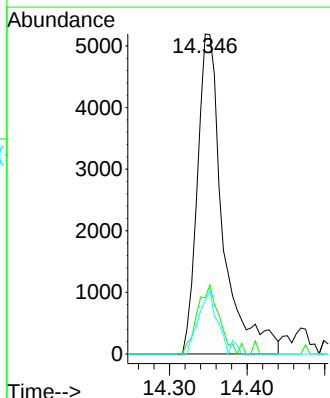
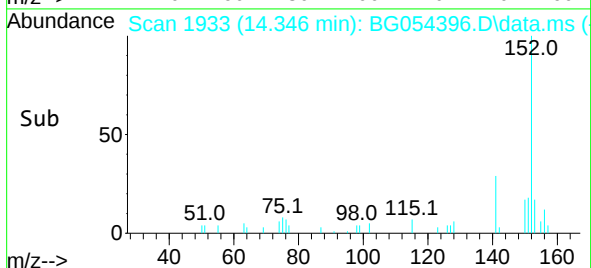
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022

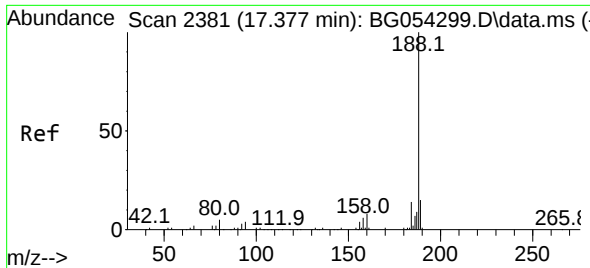


#49
Acenaphthylene
Concen: 2.805 ng
RT: 14.346 min Scan# 1933
Delta R.T. -0.011 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28



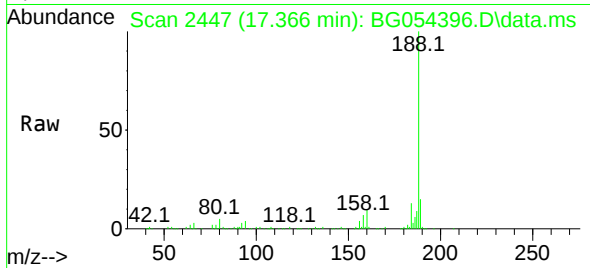
Tgt Ion:152 Resp: 11849
Ion Ratio Lower Upper
152 100
151 17.6 16.4 24.6
153 16.8 10.8 16.2#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.366 min Scan# 2447
Delta R.T. -0.011 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28

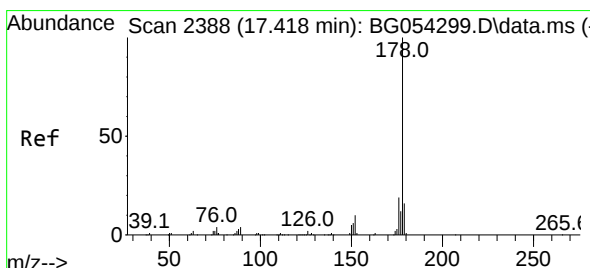
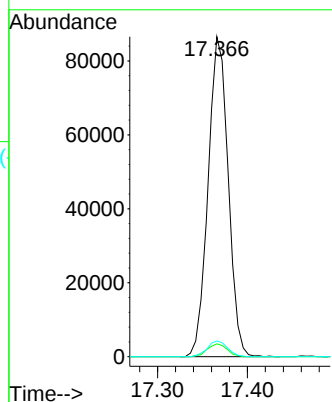
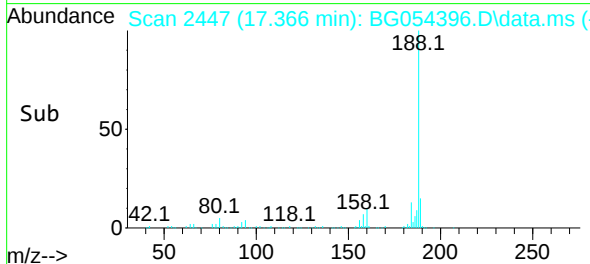
Instrument :
BNA_G
ClientSampleId :
S-2ND-TP



Tgt Ion:188 Resp: 13440
Ion Ratio Lower Upper
188 100
94 4.0 5.4 8.0
80 4.9 6.8 10.2

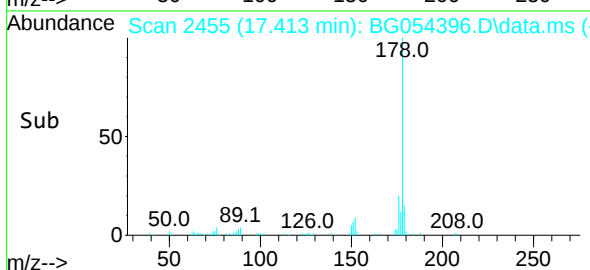
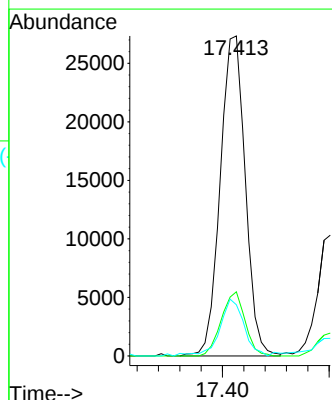
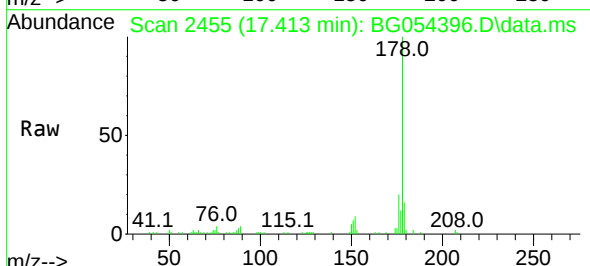
Manual Integrations
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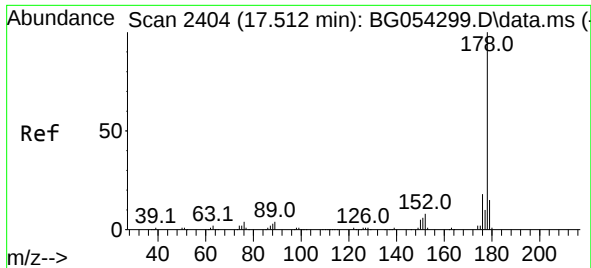
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022



#71
Phenanthrene
Concen: 6.665 ng
RT: 17.413 min Scan# 2455
Delta R.T. -0.005 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28

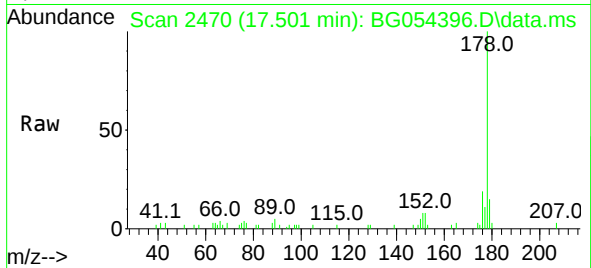
Tgt Ion:178 Resp: 44612
Ion Ratio Lower Upper
178 100
176 20.1 14.1 21.1
179 16.0 12.1 18.1





#72
 Anthracene
 Concen: 2.416 ng
 RT: 17.501 min Scan# 2404
 Delta R.T. -0.011 min
 Lab File: BG054396.D
 Acq: 26 Jul 2022 13:28

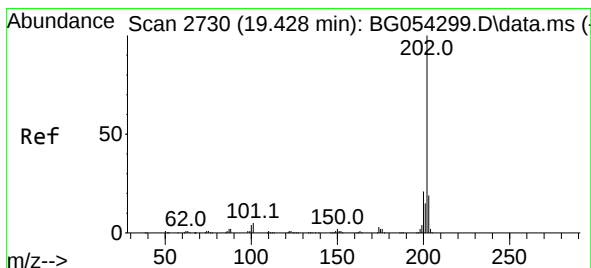
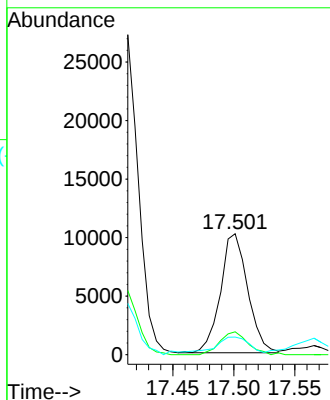
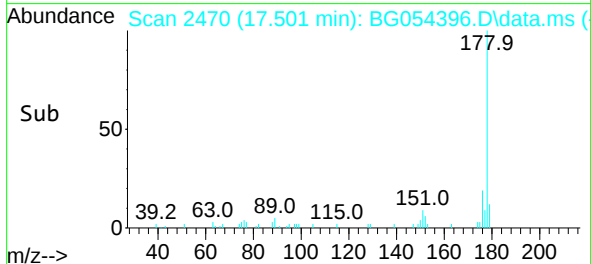
Instrument :
 BNA_G
 ClientSampleId :
 S-2ND-TP



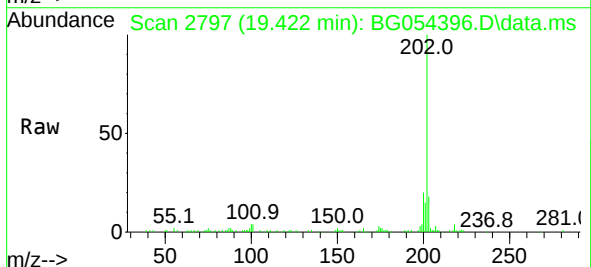
Tgt Ion:178 Resp: 1587
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.2 22.8
 179 14.6 13.0 19.4

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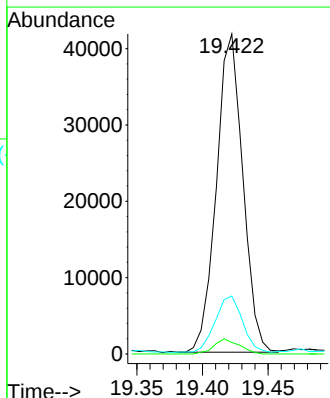
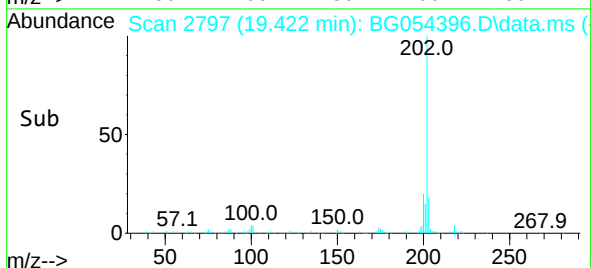
Reviewed By :Christian Giraldo 07/27/2022
 Supervised By :Jagrut Upadhyay 07/27/2022

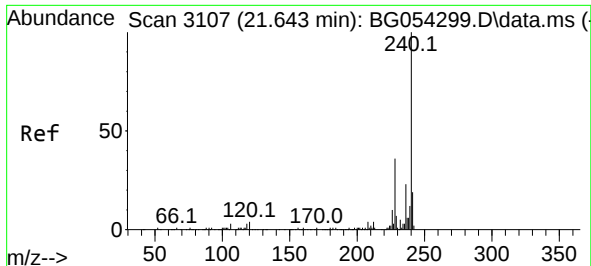


#75
 Fluoranthene
 Concen: 6.389 ng
 RT: 19.422 min Scan# 2797
 Delta R.T. -0.005 min
 Lab File: BG054396.D
 Acq: 26 Jul 2022 13:28



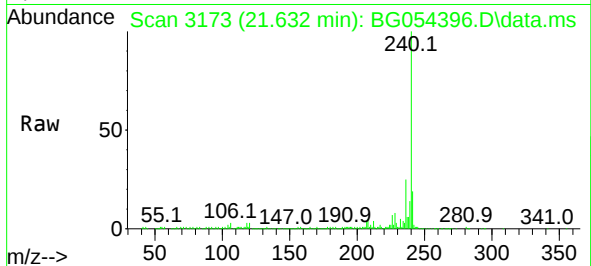
Tgt Ion:202 Resp: 58290
 Ion Ratio Lower Upper
 202 100
 101 3.6 0.0 26.9
 203 18.1 0.0 37.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.632 min Scan# 3107
Delta R.T. -0.011 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28

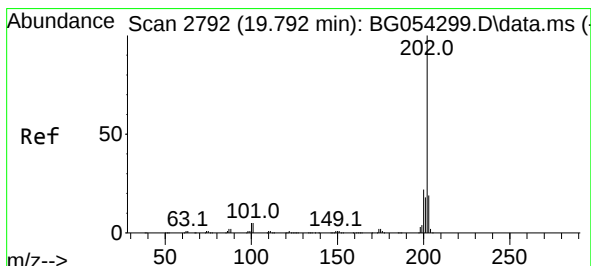
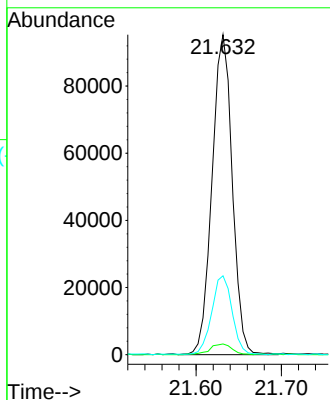
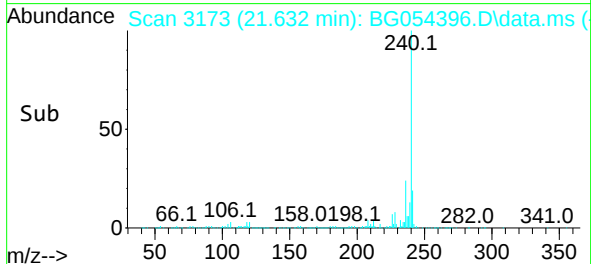
Instrument :
BNA_G
ClientSampleId :
S-2ND-TP



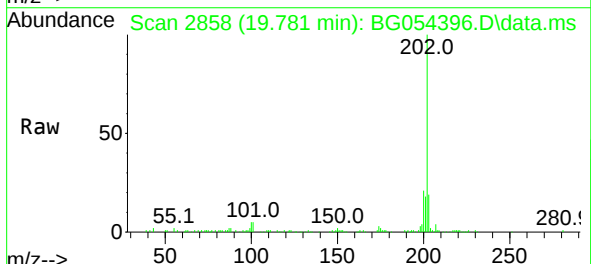
Tgt Ion:240 Resp: 157248
Ion Ratio Lower Upper
240 100
120 3.4 4.6 7.0
236 24.7 20.2 30.4

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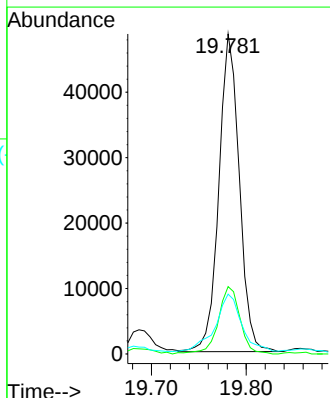
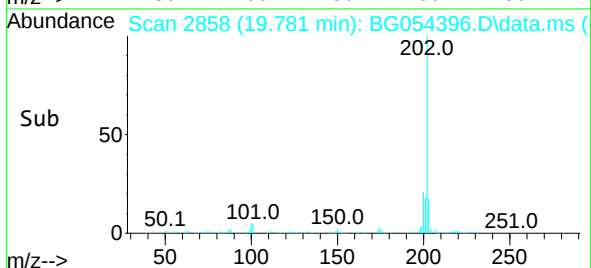
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022

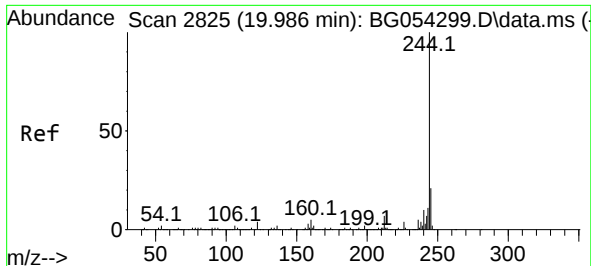


#78
Pyrene
Concen: 8.067 ng
RT: 19.781 min Scan# 2858
Delta R.T. -0.011 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28



Tgt Ion:202 Resp: 72790
Ion Ratio Lower Upper
202 100
200 21.0 16.6 24.8
203 18.7 14.6 21.8





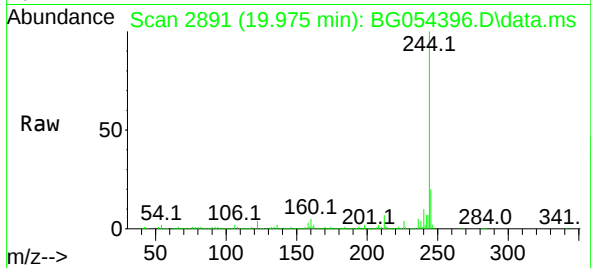
#79
 Terphenyl-d14
 Concen: 66.906 ng
 RT: 19.975 min Scan# 21
 Delta R.T. -0.011 min
 Lab File: BG054396.D
 Acq: 26 Jul 2022 13:28

Instrument :

BNA_G

ClientSampleId :

S-2ND-TP

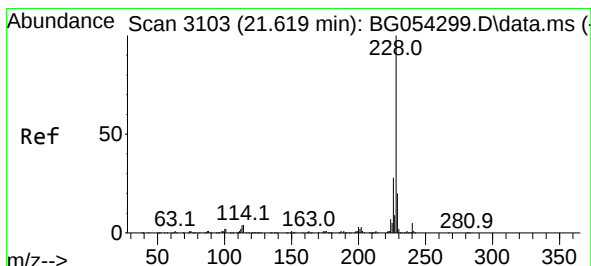
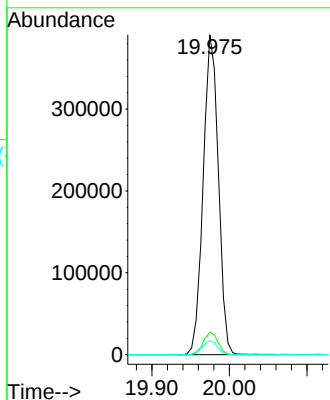
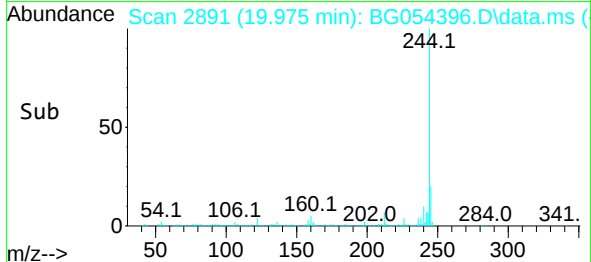


Tgt Ion:244 Resp: 53033
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 4.4 5.0 7.4

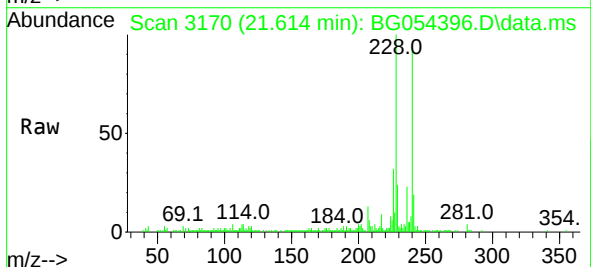
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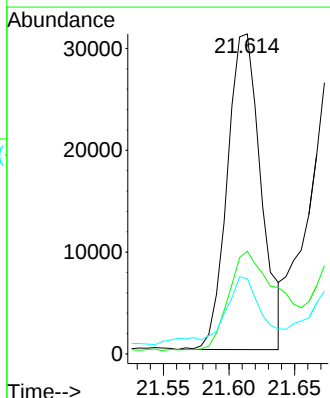
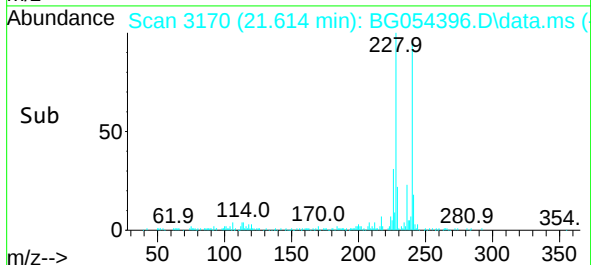
Reviewed By :Christian Giraldo 07/27/2022
 Supervised By :Jagrut Upadhyay 07/27/2022

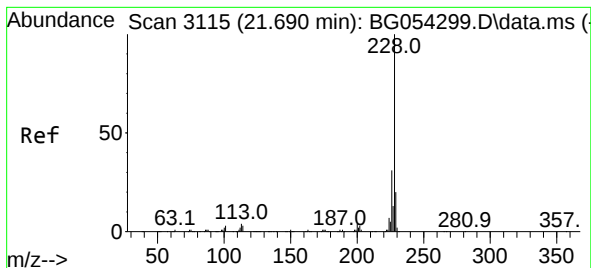


#81
 Benzo(a)anthracene
 Concen: 5.576 ng
 RT: 21.614 min Scan# 3170
 Delta R.T. -0.005 min
 Lab File: BG054396.D
 Acq: 26 Jul 2022 13:28



Tgt Ion:228 Resp: 55661
 Ion Ratio Lower Upper
 228 100
 226 32.1 21.6 32.4
 229 23.5 16.2 24.2





#83

Chrysene

Concen: 5.582 ng

RT: 21.679 min Scan# 3115

Delta R.T. -0.011 min

Lab File: BG054396.D

Acq: 26 Jul 2022 13:28

Instrument :

BNA_G

ClientSampleId :

S-2ND-TP

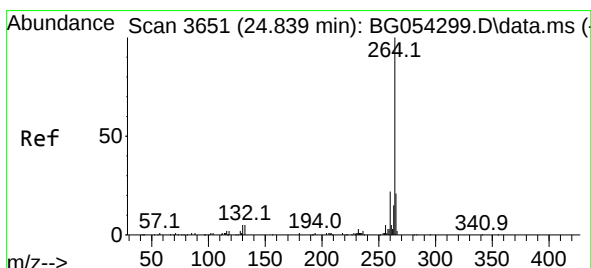
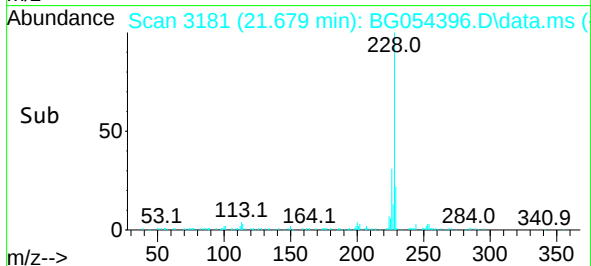
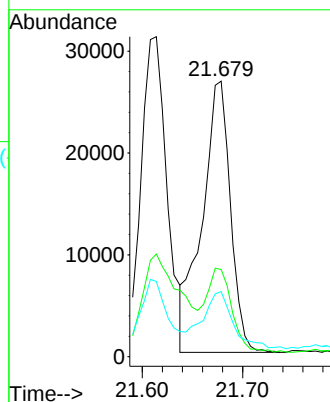
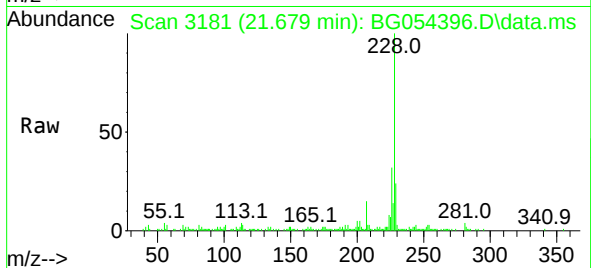
Tgt Ion:228	Resp:	52638
Ion Ratio	Lower	Upper
228	100	
226	31.7	23.4 35.2
229	23.6	15.5 23.3

Manual Integrations

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Supervised By :Jagrut Upadhyay 07/27/2022



#86

Perylene-d12

Concen: 20.000 ng

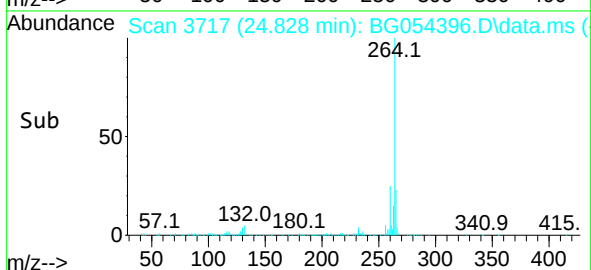
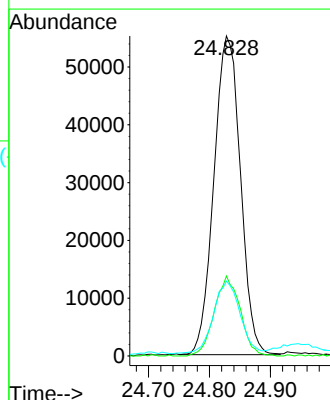
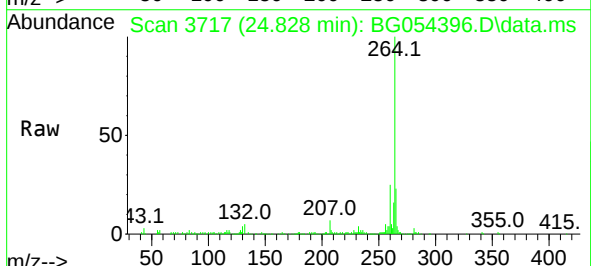
RT: 24.828 min Scan# 3717

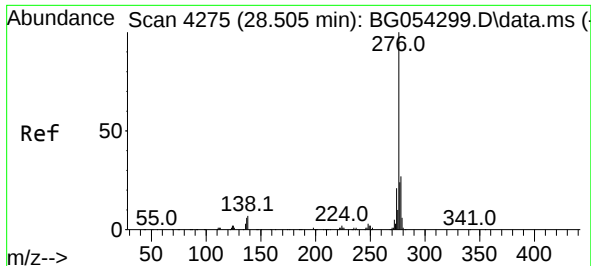
Delta R.T. -0.011 min

Lab File: BG054396.D

Acq: 26 Jul 2022 13:28

Tgt Ion:264	Resp:	166642
Ion Ratio	Lower	Upper
264	100	
260	25.0	19.0 28.6
265	23.4	17.4 26.2





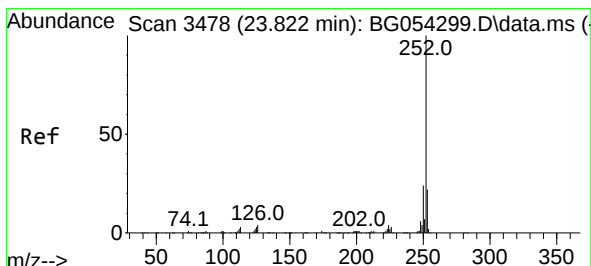
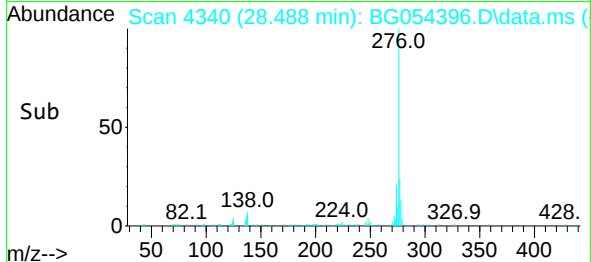
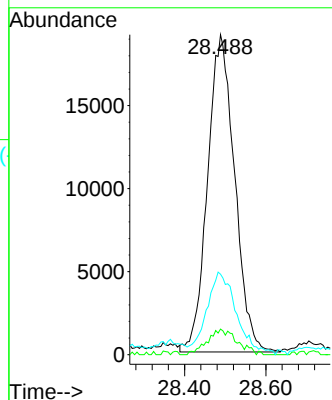
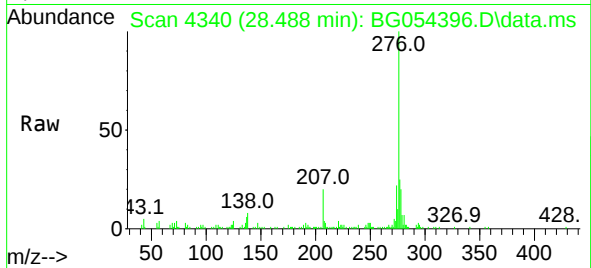
#87
Indeno(1,2,3-cd)pyrene
Concen: 6.986 ng
RT: 28.488 min Scan# 41
Delta R.T. -0.017 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28

Instrument :
BNA_G
ClientSampleId :
S-2ND-TP

Tgt Ion:276 Resp: 8856
Ion Ratio Lower Upper
276 100
138 5.3 5.0 7.4
277 28.7 20.3 30.5

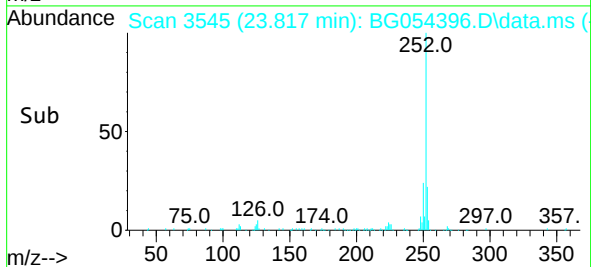
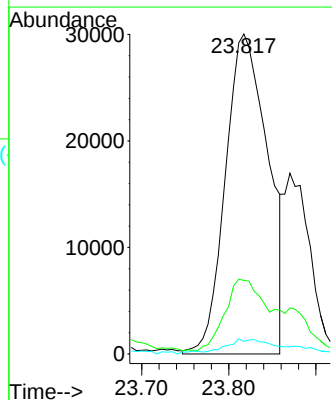
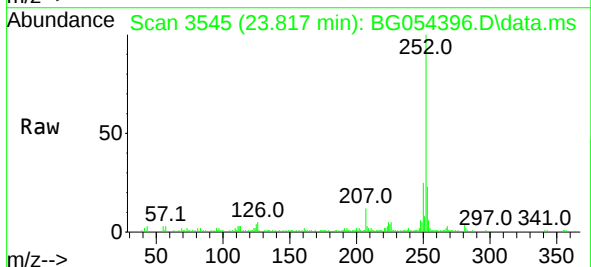
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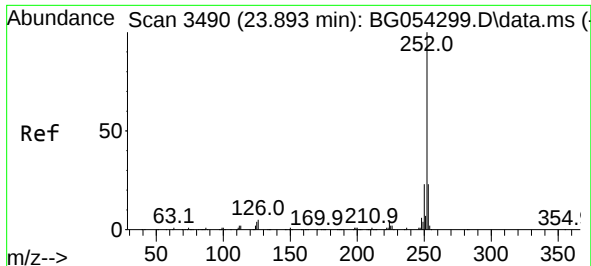
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022



#88
Benzo(b)fluoranthene
Concen: 10.325 ng m
RT: 23.817 min Scan# 3545
Delta R.T. -0.005 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28

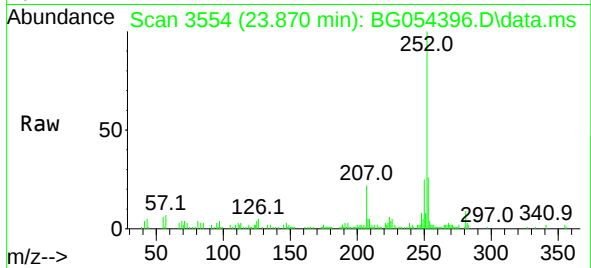
Tgt Ion:252 Resp: 101755
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 3.9 4.6 6.8#





#89
Benzo(k)fluoranthene
Concen: 3.675 ng m
RT: 23.870 min Scan# 3604
Delta R.T. -0.023 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28

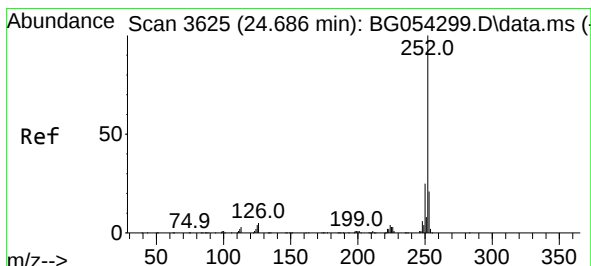
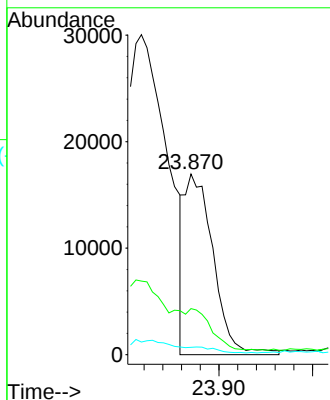
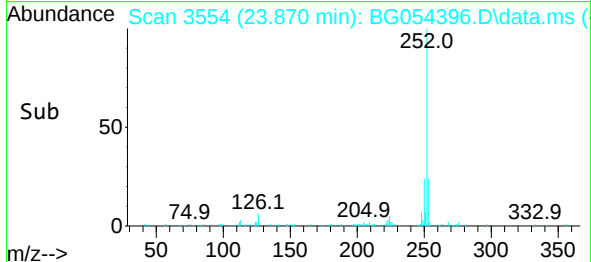
Instrument :
BNA_G
ClientSampleId :
S-2ND-TP



Tgt Ion:252 Resp: 3604
Ion Ratio Lower Upper
252 100
253 25.5 18.4 27.6
125 4.1 4.8 7.2

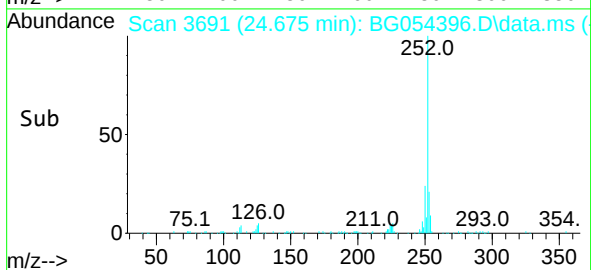
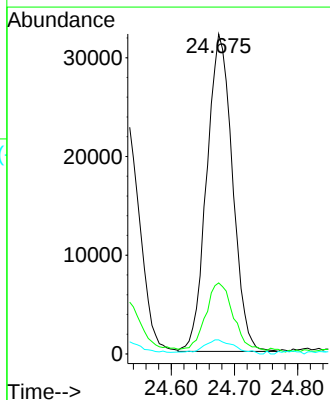
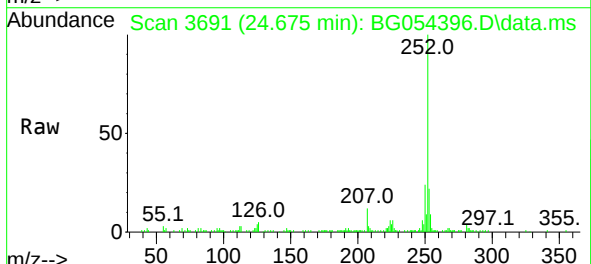
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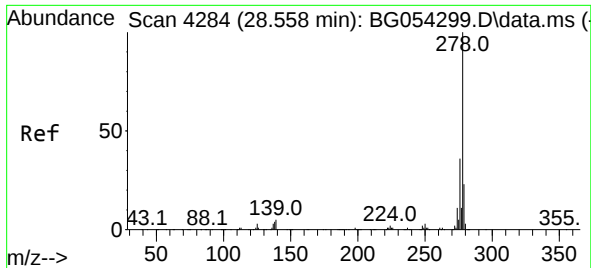
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022



#90
Benzo(a)pyrene
Concen: 10.796 ng
RT: 24.675 min Scan# 3691
Delta R.T. -0.011 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28

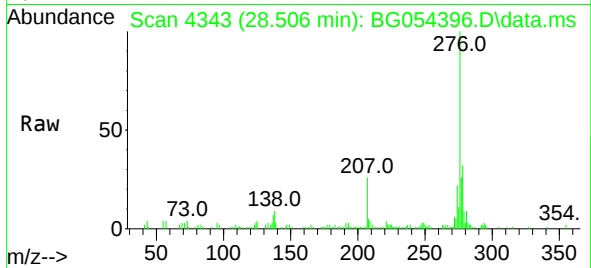
Tgt Ion:252 Resp: 90860
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 4.4 4.3 6.5





#91
 Dibenzo(a,h)anthracene
 Concen: 2.776 ng
 RT: 28.506 min Scan# 41
 Delta R.T. -0.052 min
 Lab File: BG054396.D
 Acq: 26 Jul 2022 13:28

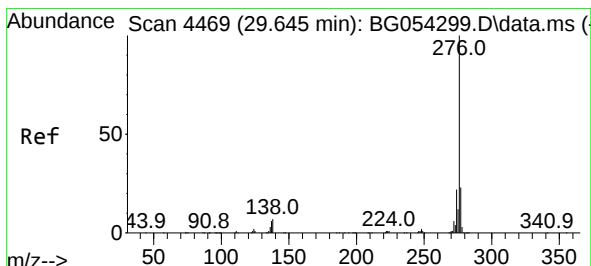
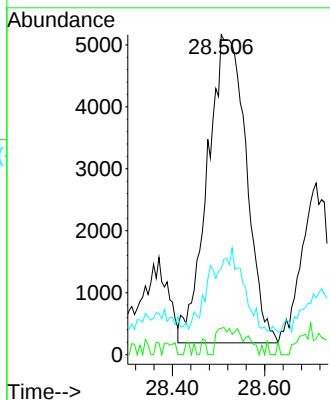
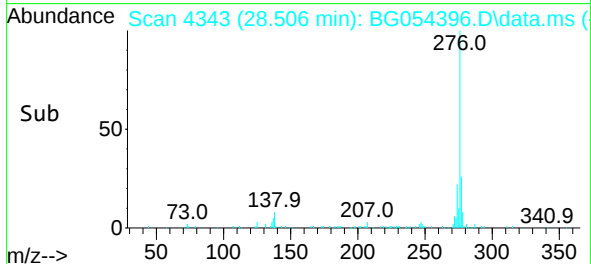
Instrument :
 BNA_G
 ClientSampleId :
 S-2ND-TP



Tgt Ion: 278 Resp: 2894
 Ion Ratio Lower Upper
 278 100
 139 8.2 7.2 10.8
 279 26.8 18.6 27.8

Manual Integrations
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Reviewed By : Christian Giraldo 07/27/2022
 Supervised By : Jagrut Upadhyay 07/27/2022



#92
 Benzo(g,h,i)perylene
 Concen: 8.632 ng
 RT: 29.640 min Scan# 4536
 Delta R.T. -0.005 min
 Lab File: BG054396.D
 Acq: 26 Jul 2022 13:28

Tgt Ion: 276 Resp: 88815
 Ion Ratio Lower Upper
 276 100
 277 24.7 17.3 25.9
 138 9.8 9.6 14.4

