

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072122\
 Data File : BG054355.D
 Acq On : 21 Jul 2022 22:02
 Operator : CG/JU
 Sample : N3776-01DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11966DL

Quant Time: Jul 22 02:38:20 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.001	152	20137	20.000	ng	0.00
21) Naphthalene-d8	10.809	136	79335	20.000	ng	# 0.00
39) Acenaphthene-d10	14.634	164	63711	20.000	ng	0.00
64) Phenanthrene-d10	17.378	188	162887	20.000	ng	# 0.00
76) Chrysene-d12	21.649	240	178268	20.000	ng	# 0.00
86) Perylene-d12	24.863	264	190080	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.574	112	27438	28.449	ng	0.00
7) Phenol-d6	7.178	99	37403	28.302	ng	0.00
23) Nitrobenzene-d5	9.158	82	25112	17.237	ng	0.00
42) 2,4,6-Tribromophenol	16.121	330	38390	28.699	ng	0.00
45) 2-Fluorobiphenyl	13.253	172	82951	18.367	ng	0.00
79) Terphenyl-d14	19.987	244	182681	20.329	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.699	154	7659	2.334	ng	# 93
58) Fluorene	15.680	166	10314	2.148	ng	86
71) Phenanthrene	17.419	178	243727	30.046	ng	98
72) Anthracene	17.513	178	36553	4.592	ng	97
73) Carbazole	17.777	167	24764	3.779	ng	# 96
75) Fluoranthene	19.434	202	704539	63.716	ng	95
78) Pyrene	19.799	202	635834	62.161	ng	96
81) Benzo(a)anthracene	21.632	228	353190	31.211	ng	97
83) Chrysene	21.696	228	379332	35.480	ng	97
87) Indeno(1,2,3-cd)pyrene	28.541	276	287826	19.905	ng	98
88) Benzo(b)fluoranthene	23.847	252	534054	47.509	ng	# 97
89) Benzo(k)fluoranthene	23.900	252	183038m	16.361	ng	
90) Benzo(a)pyrene	24.711	252	395883m	41.238	ng	
91) Dibenzo(a,h)anthracene	28.571	278	66899	5.626	ng	# 97
92) Benzo(g,h,i)perylene	29.693	276	304746	25.968	ng	# 92

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

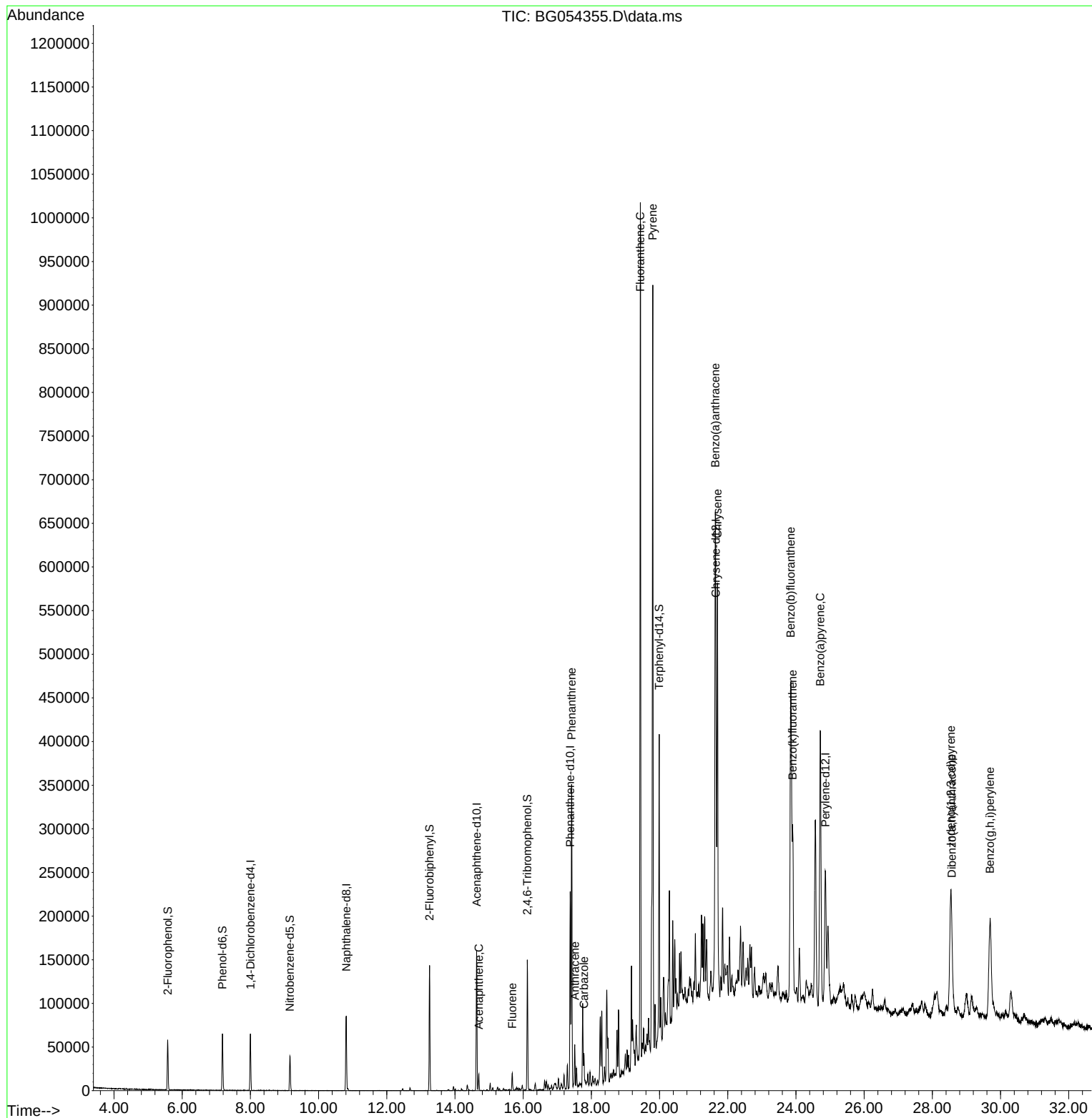
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072122\
Data File : BG054355.D
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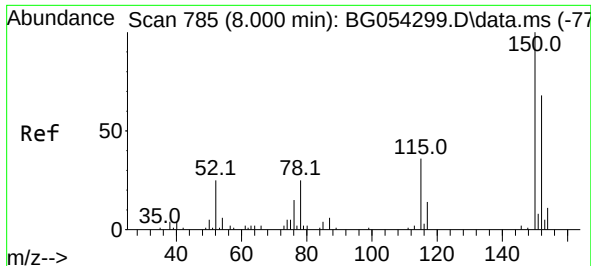
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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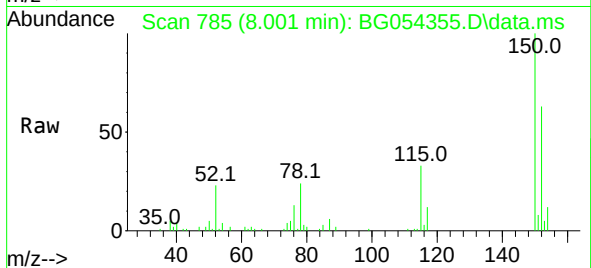
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.001 min Scan# 71
Delta R.T. 0.001 min
Lab File: BG054355.D
Acq: 21 Jul 2022 22:02

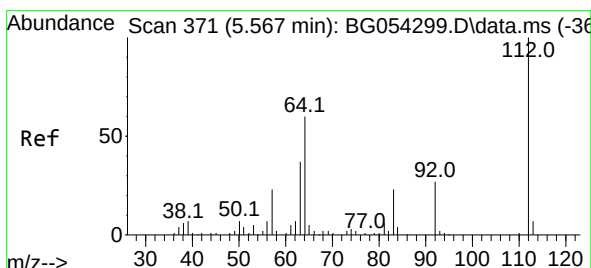
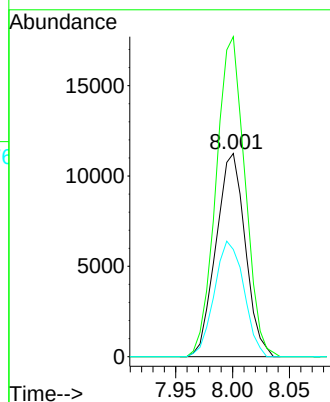
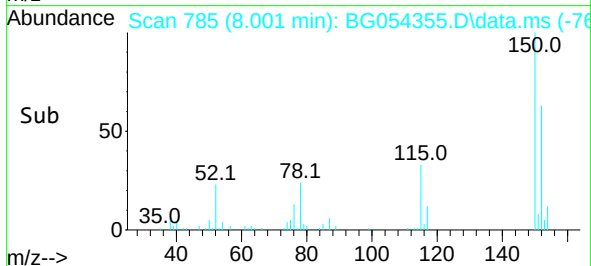
Instrument :
BNA_G
ClientSampleId :
72-11966DL



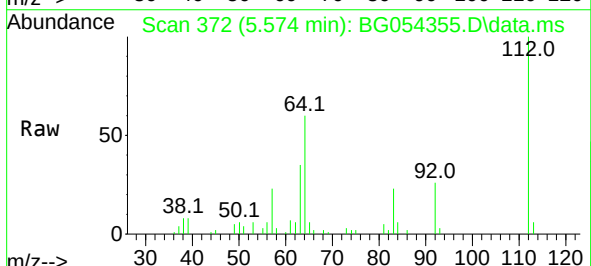
Tgt Ion:152 Resp: 2013
Ion Ratio Lower Upper
152 100
150 157.5 131.6 197.4
115 52.7 50.9 76.3

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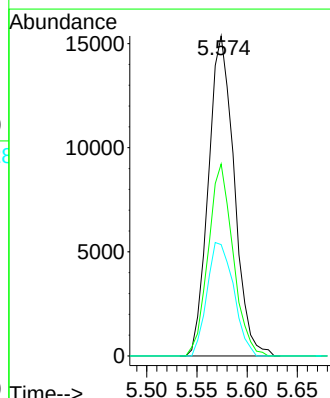
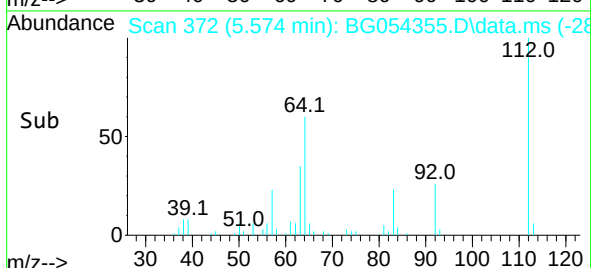
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

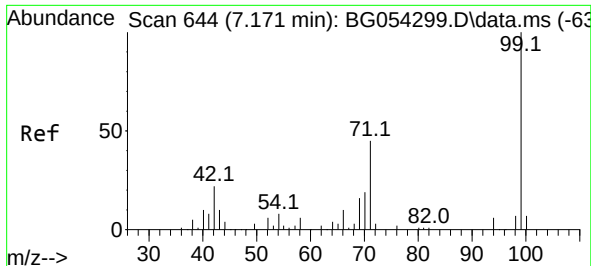


#5
2-Fluorophenol
Concen: 28.449 ng
RT: 5.574 min Scan# 372
Delta R.T. 0.007 min
Lab File: BG054355.D
Acq: 21 Jul 2022 22:02



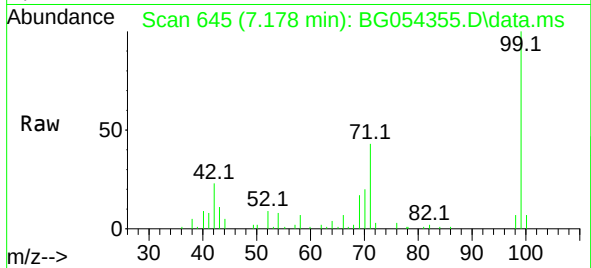
Tgt Ion:112 Resp: 27438
Ion Ratio Lower Upper
112 100
64 60.0 55.1 82.7
63 34.8 30.4 45.6





#7
Phenol-d6
Concen: 28.302 ng
RT: 7.178 min Scan# 644
Delta R.T. 0.007 min
Lab File: BG054355.D
Acq: 21 Jul 2022 22:02

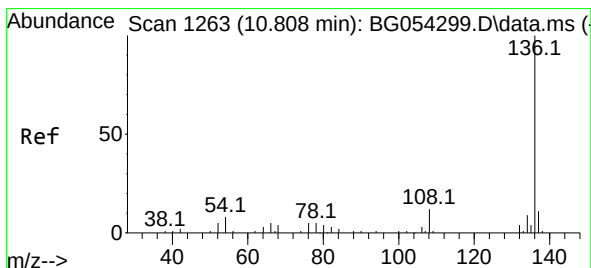
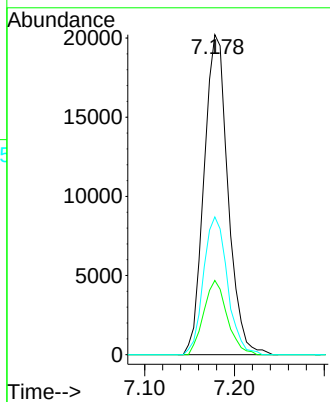
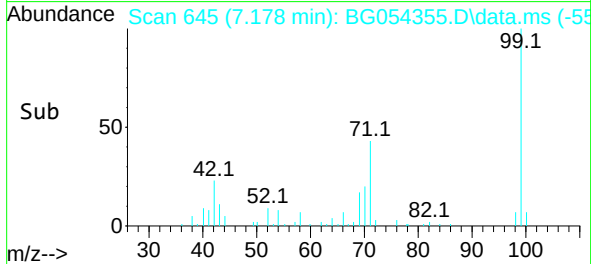
Instrument :
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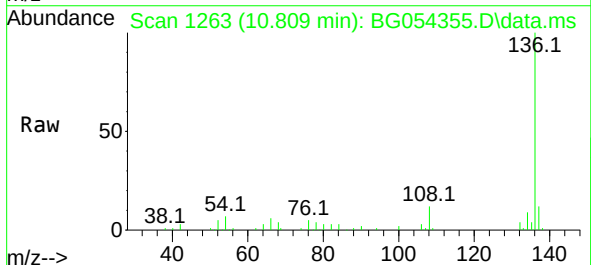
Tgt Ion: 99 Resp: 3740
Ion Ratio Lower Upper
99 100
42 23.2 17.0 25.6
71 43.0 33.8 50.8

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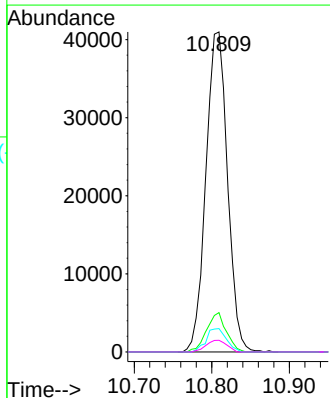
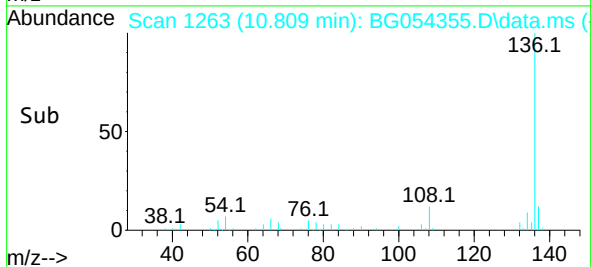
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

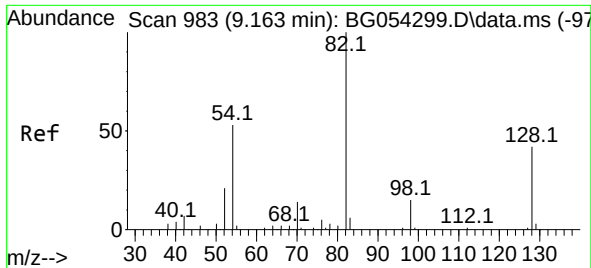


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.809 min Scan# 1263
Delta R.T. 0.001 min
Lab File: BG054355.D
Acq: 21 Jul 2022 22:02



Tgt Ion:136 Resp: 79335
Ion Ratio Lower Upper
136 100
137 12.3 8.5 12.7
54 7.3 7.4 11.2#
68 4.2 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 17.237 ng
RT: 9.158 min Scan# 91
Delta R.T. -0.005 min
Lab File: BG054355.D
Acq: 21 Jul 2022 22:02

Instrument :

BNA_G

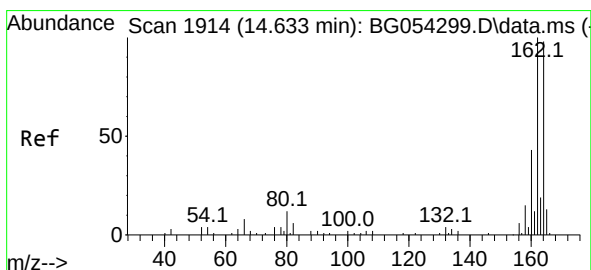
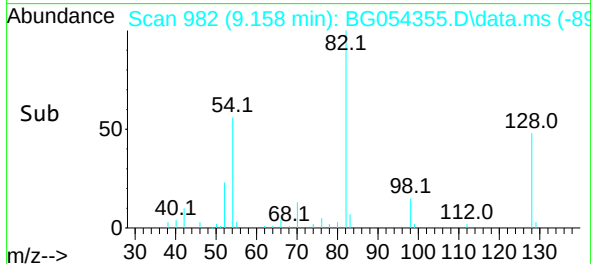
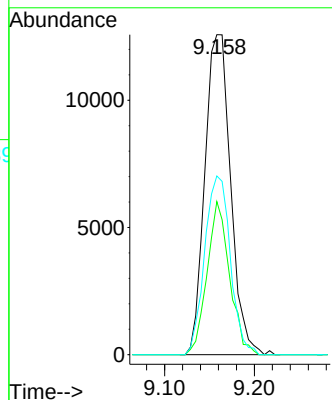
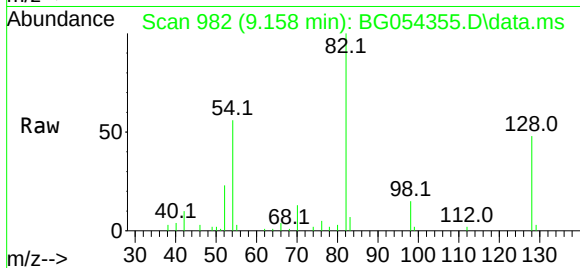
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Tgt Ion: 82 Resp: 2511
Ion Ratio Lower Upper
82 100
128 47.8 27.9 41.9
54 55.9 41.2 61.8

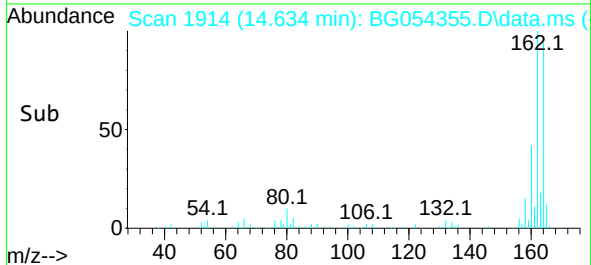
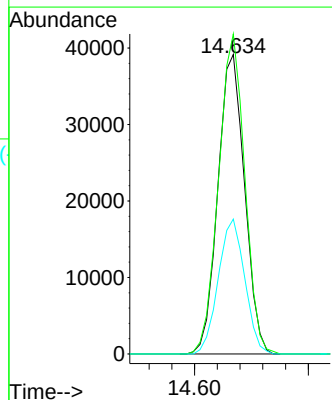
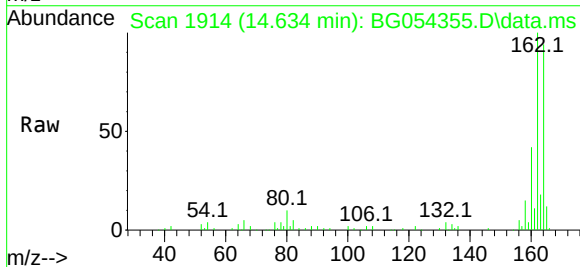
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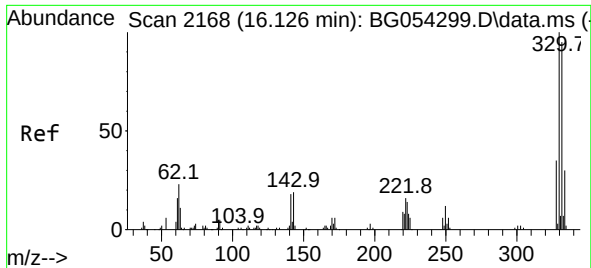
Reviewed By :Christian Giraldo 07/22/2022
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.634 min Scan# 1914
Delta R.T. 0.001 min
Lab File: BG054355.D
Acq: 21 Jul 2022 22:02

Tgt Ion:164 Resp: 63711
Ion Ratio Lower Upper
164 100
162 106.8 82.3 123.5
160 45.0 34.2 51.2





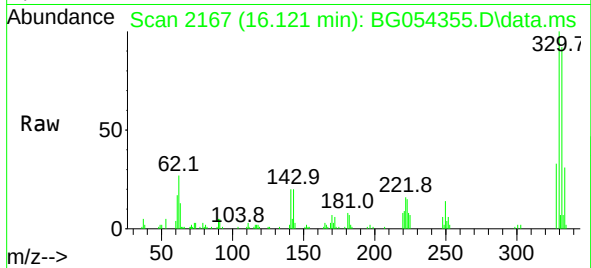
#42
2,4,6-Tribromophenol
Concen: 28.699 ng
RT: 16.121 min Scan# 2168
Delta R.T. -0.005 min
Lab File: BG054355.D
Acq: 21 Jul 2022 22:02

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BNA_G

ClientSampleId :

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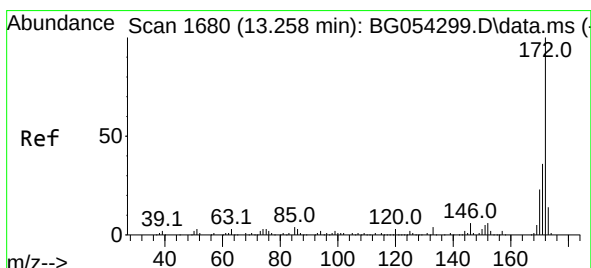
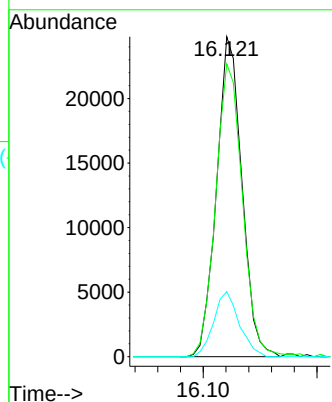
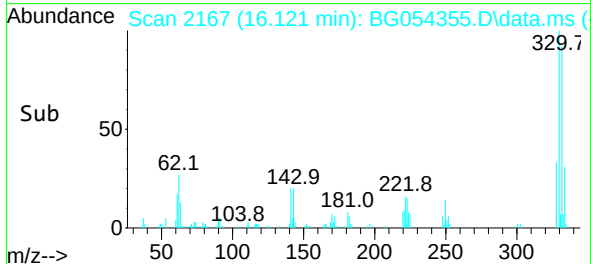


Tgt Ion:330 Resp: 38390
Ion Ratio Lower Upper
330 100
332 96.6 76.0 114.0
141 20.5 27.1 40.7

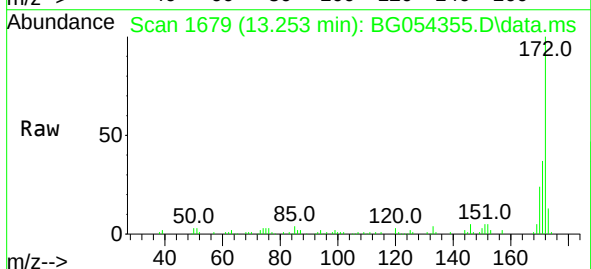
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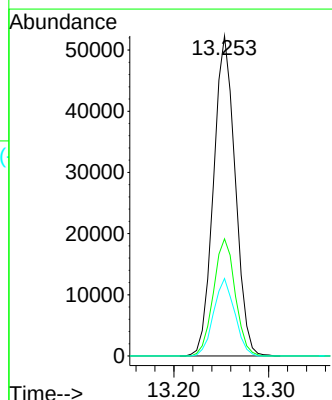
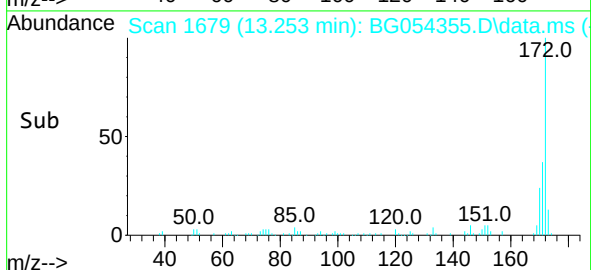
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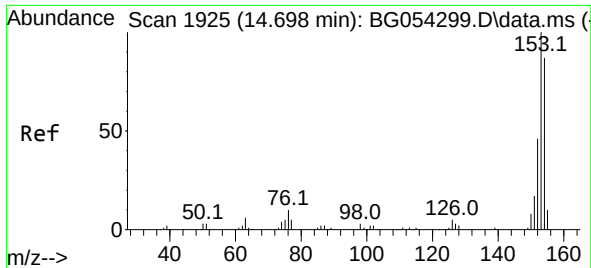


#45
2-Fluorobiphenyl
Concen: 18.367 ng
RT: 13.253 min Scan# 1679
Delta R.T. -0.005 min
Lab File: BG054355.D
Acq: 21 Jul 2022 22:02



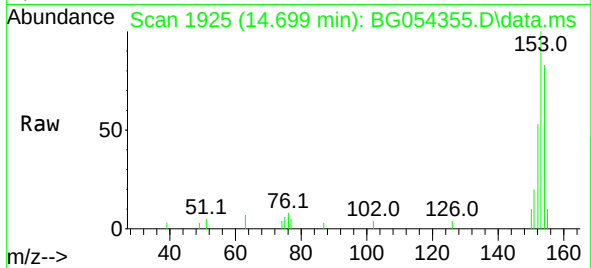
Tgt Ion:172 Resp: 82951
Ion Ratio Lower Upper
172 100
171 36.6 28.5 42.7
170 24.2 18.9 28.3





#52
Acenaphthene
Concen: 2.334 ng
RT: 14.699 min Scan# 1925
Delta R.T. 0.001 min
Lab File: BG054355.D
Acq: 21 Jul 2022 22:02

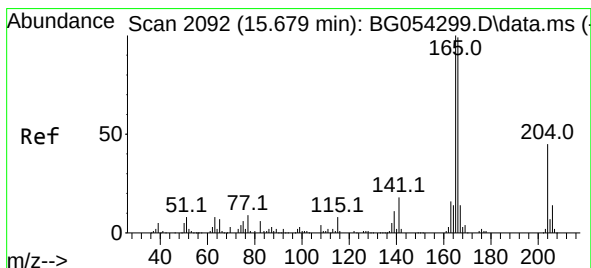
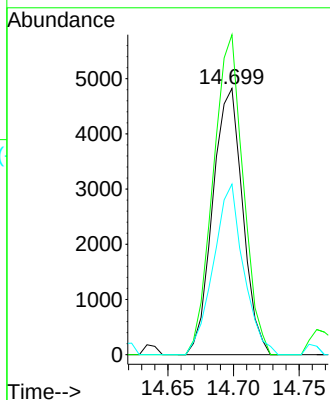
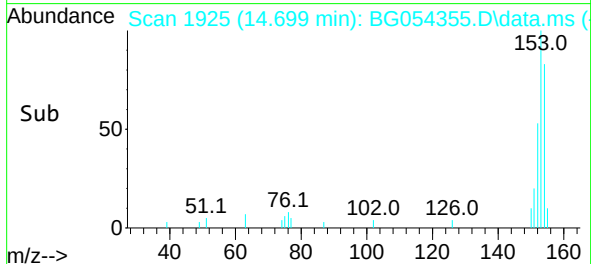
Instrument :
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ClientSampleId :
72-11966DL



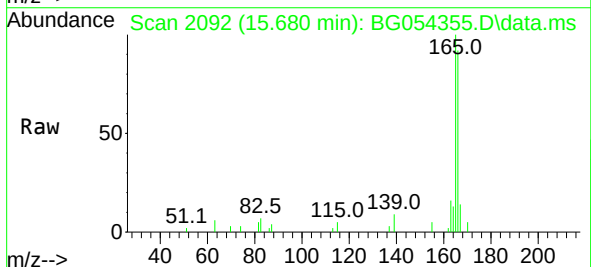
Tgt Ion:154 Resp: 7659
Ion Ratio Lower Upper
154 100
153 120.2 92.7 139.1
152 64.0 42.6 64.0

Manual Integrations
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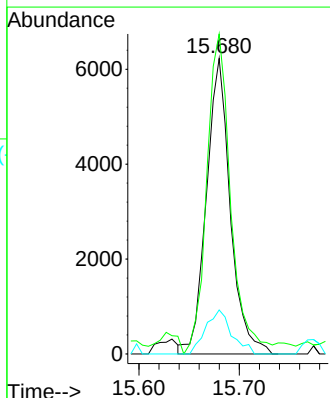
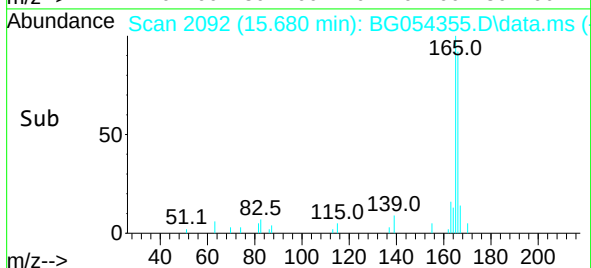
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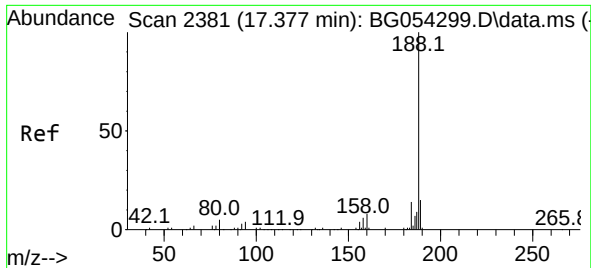


#58
Fluorene
Concen: 2.148 ng
RT: 15.680 min Scan# 2092
Delta R.T. 0.001 min
Lab File: BG054355.D
Acq: 21 Jul 2022 22:02



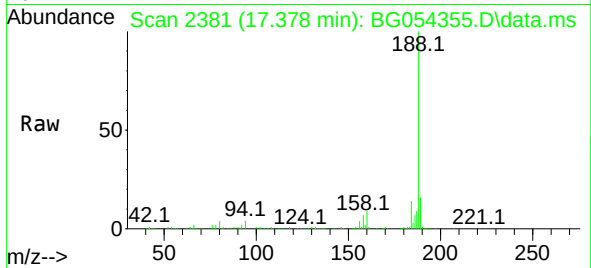
Tgt Ion:166 Resp: 10314
Ion Ratio Lower Upper
166 100
165 108.3 75.0 112.6
167 14.9 10.8 16.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.378 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG054355.D
Acq: 21 Jul 2022 22:02

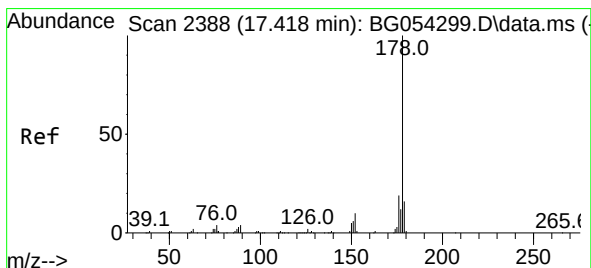
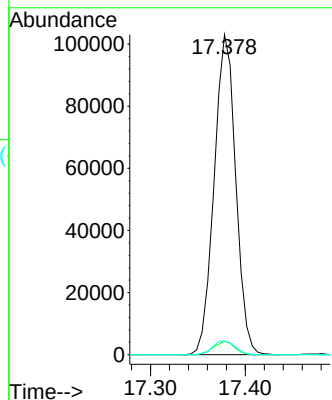
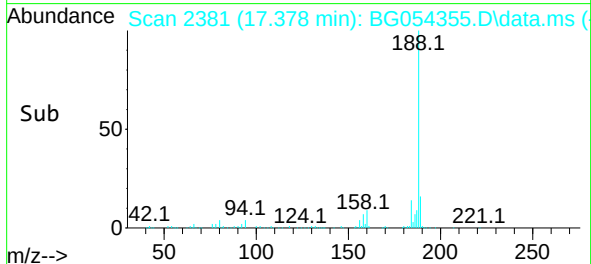
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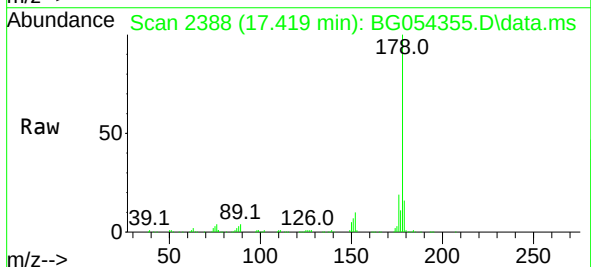
Tgt Ion:188 Resp: 16288
Ion Ratio Lower Upper
188 100
94 4.2 5.4 8.0
80 4.3 6.8 10.2

Manual Integrations
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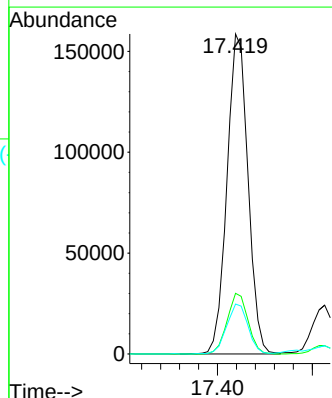
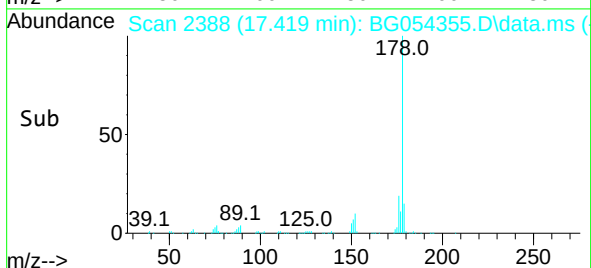
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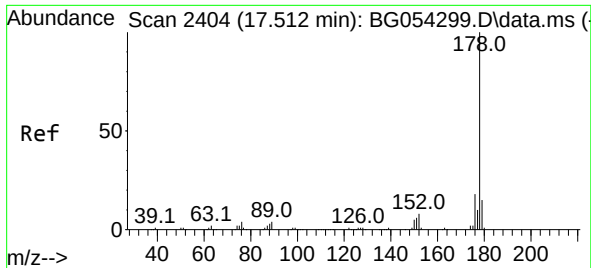


#71
Phenanthrene
Concen: 30.046 ng
RT: 17.419 min Scan# 2388
Delta R.T. 0.001 min
Lab File: BG054355.D
Acq: 21 Jul 2022 22:02



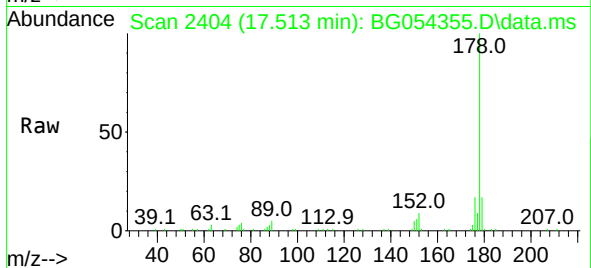
Tgt Ion:178 Resp: 243727
Ion Ratio Lower Upper
178 100
176 19.0 14.1 21.1
179 15.6 12.1 18.1





#72
 Anthracene
 Concen: 4.592 ng
 RT: 17.513 min Scan# 2404
 Delta R.T. 0.001 min
 Lab File: BG054355.D
 Acq: 21 Jul 2022 22:02

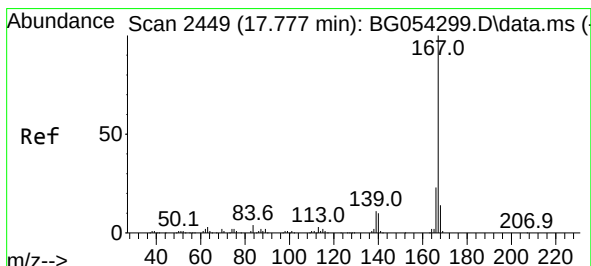
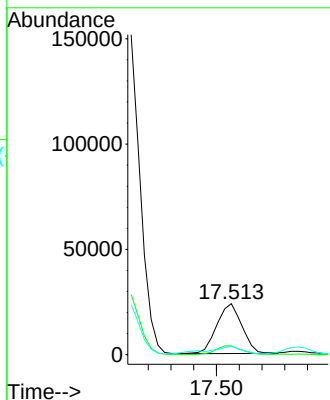
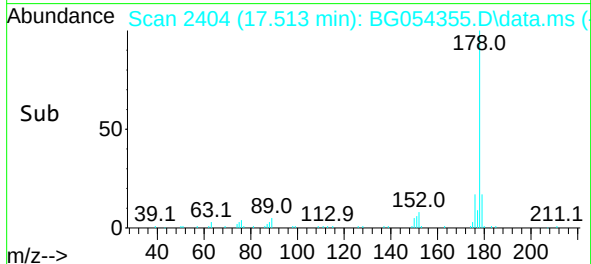
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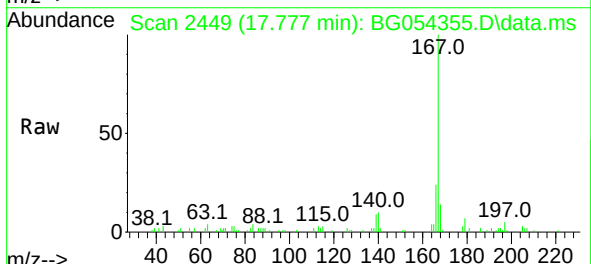
Tgt Ion:178 Resp: 3655
 Ion Ratio Lower Upper
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 176 17.1 15.2 22.8
 179 16.6 13.0 19.4

Manual Integrations
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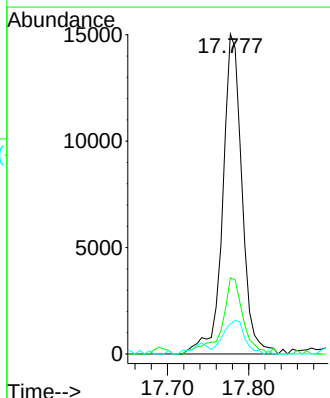
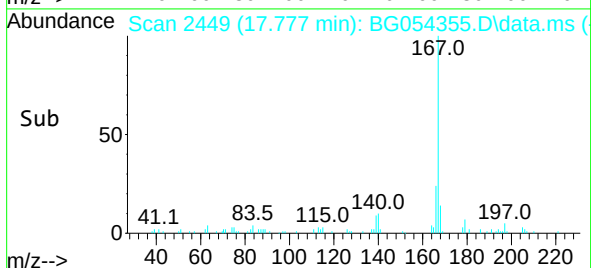
Reviewed By :Christian Giraldo 07/22/2022
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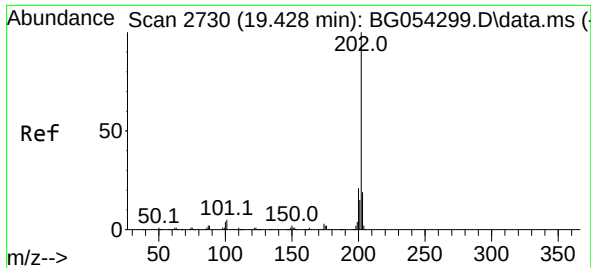


#73
 Carbazole
 Concen: 3.779 ng
 RT: 17.777 min Scan# 2449
 Delta R.T. 0.001 min
 Lab File: BG054355.D
 Acq: 21 Jul 2022 22:02



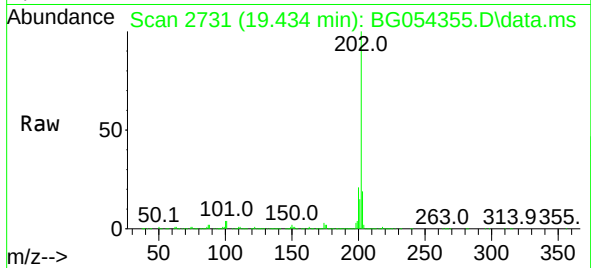
Tgt Ion:167 Resp: 24764
 Ion Ratio Lower Upper
 167 100
 166 23.8 18.2 27.2
 139 9.4 10.1 15.1#





#75
Fluoranthene
Concen: 63.716 ng
RT: 19.434 min Scan# 21
Delta R.T. 0.007 min
Lab File: BG054355.D
Acq: 21 Jul 2022 22:02

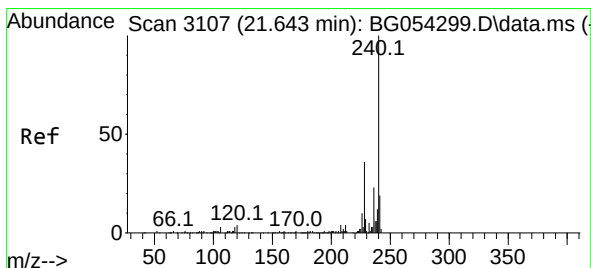
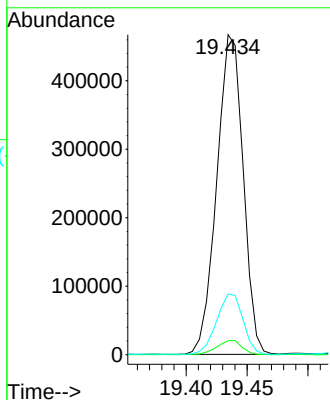
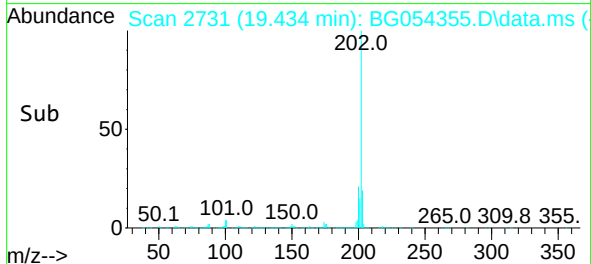
Instrument :
BNA_G
ClientSampleId :
72-11966DL



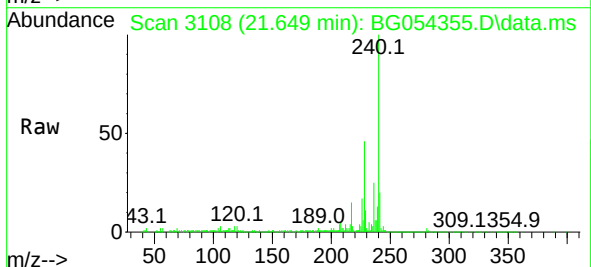
Tgt Ion:202 Resp: 704539
Ion Ratio Lower Upper
202 100
101 4.3 0.0 26.9
203 19.0 0.0 37.2

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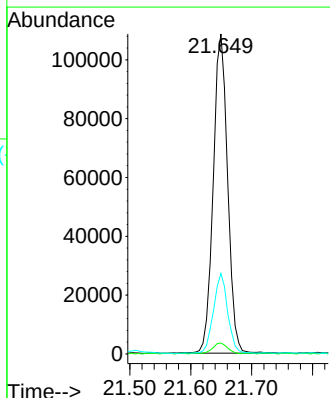
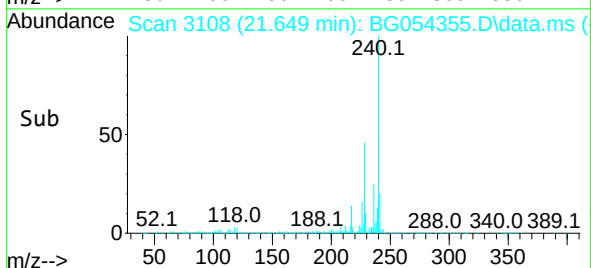
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

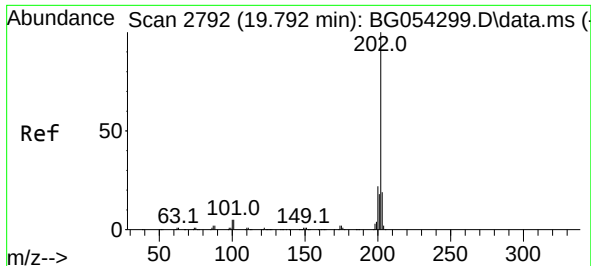


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.649 min Scan# 3108
Delta R.T. 0.006 min
Lab File: BG054355.D
Acq: 21 Jul 2022 22:02



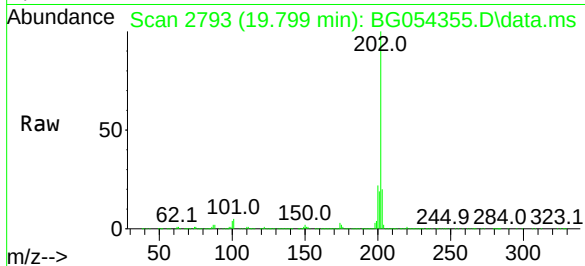
Tgt Ion:240 Resp: 178268
Ion Ratio Lower Upper
240 100
120 3.4 4.6 7.0#
236 25.1 20.2 30.4





#78
 Pyrene
 Concen: 62.161 ng
 RT: 19.799 min Scan# 21
 Delta R.T. 0.007 min
 Lab File: BG054355.D
 Acq: 21 Jul 2022 22:02

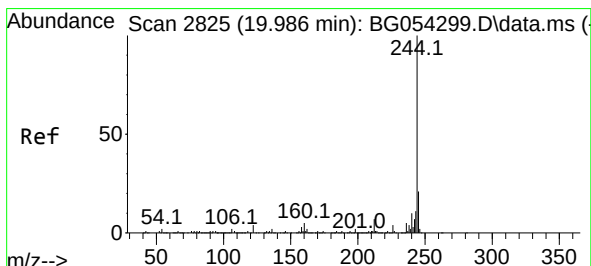
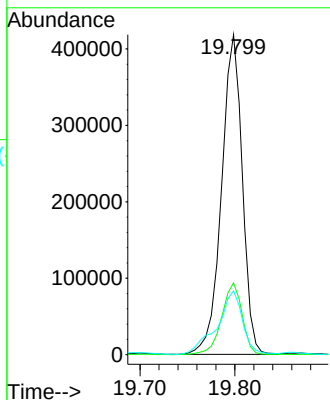
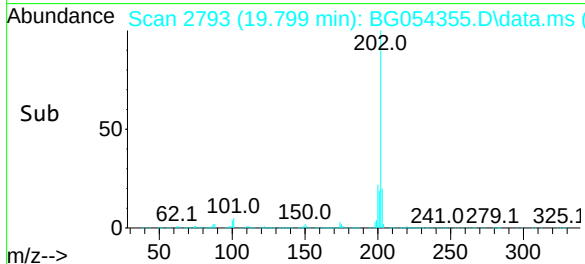
Instrument :
 BNA_G
 ClientSampleId :
 72-11966DL



Tgt Ion:202 Resp: 635834
 Ion Ratio Lower Upper
 202 100
 200 22.5 16.6 24.8
 203 20.0 14.6 21.8

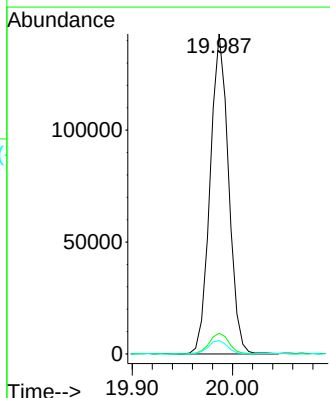
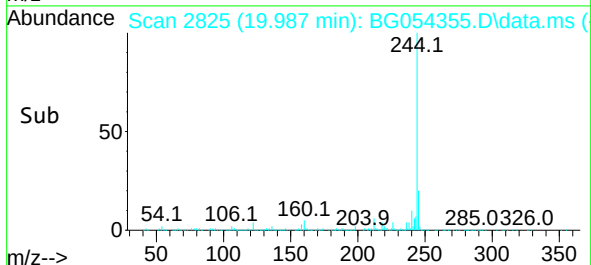
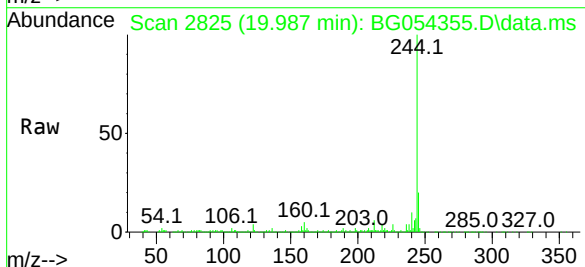
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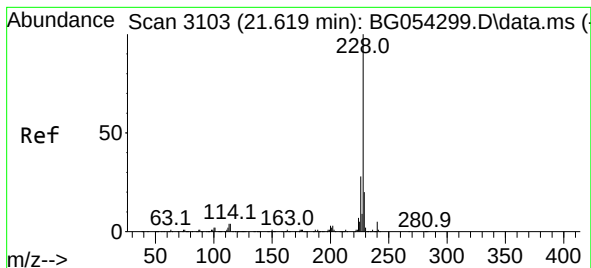
Reviewed By :Christian Giraldo 07/22/2022
 Supervised By :Jagrut Upadhyay 07/22/2022



#79
 Terphenyl-d14
 Concen: 20.329 ng
 RT: 19.987 min Scan# 2825
 Delta R.T. 0.001 min
 Lab File: BG054355.D
 Acq: 21 Jul 2022 22:02

Tgt Ion:244 Resp: 182681
 Ion Ratio Lower Upper
 244 100
 212 6.5 6.5 9.7#
 122 4.2 5.0 7.4#





#81

Benzo(a)anthracene

Concen: 31.211 ng

RT: 21.632 min Scan# 3105

Delta R.T. 0.013 min

Lab File: BG054355.D

Acq: 21 Jul 2022 22:02

Instrument :

BNA_G

ClientSampleId :

72-11966DL

Tgt Ion:228 Resp: 353190

Ion Ratio Lower Upper

228 100

226 29.1 21.6 32.4

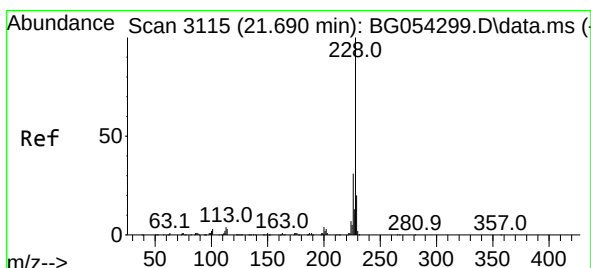
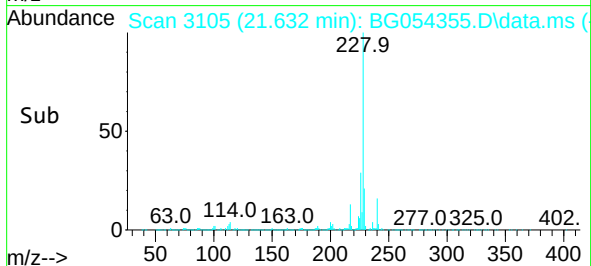
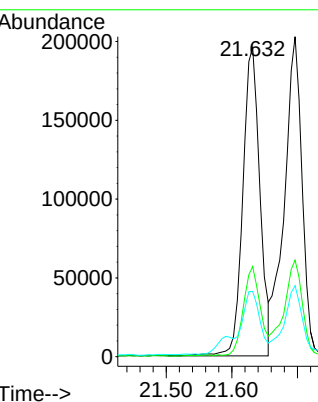
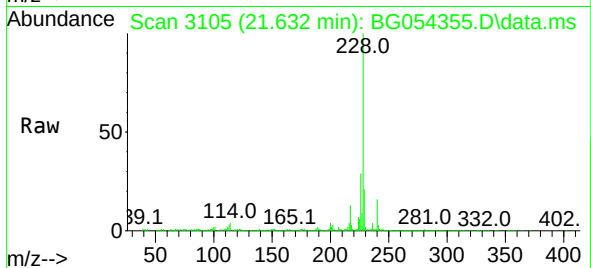
229 21.1 16.2 24.2

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Reviewed By :Christian Giraldo 07/22/2022

Supervised By :Jagrut Upadhyay 07/22/2022



#83

Chrysene

Concen: 35.480 ng

RT: 21.696 min Scan# 3116

Delta R.T. 0.007 min

Lab File: BG054355.D

Acq: 21 Jul 2022 22:02

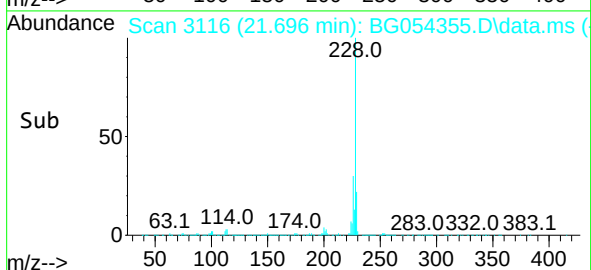
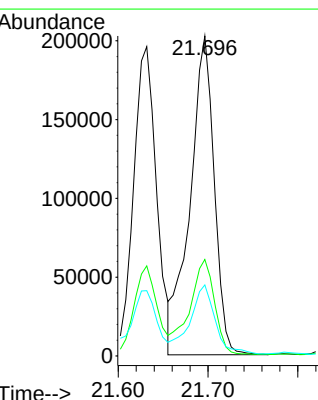
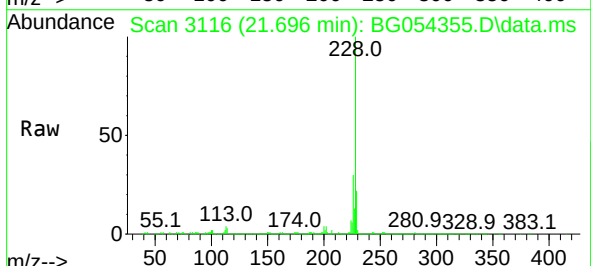
Tgt Ion:228 Resp: 379332

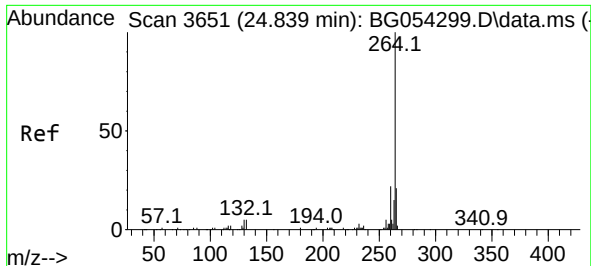
Ion Ratio Lower Upper

228 100

226 30.1 23.4 35.2

229 22.2 15.5 23.3





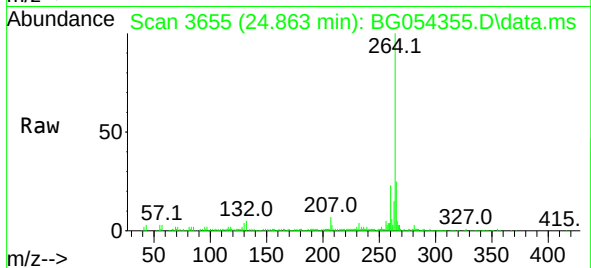
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.863 min Scan# 30
 Delta R.T. 0.024 min
 Lab File: BG054355.D
 Acq: 21 Jul 2022 22:02

Instrument :

BNA_G

ClientSampleId :

72-11966DL

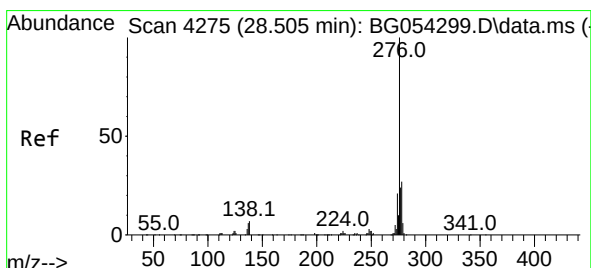
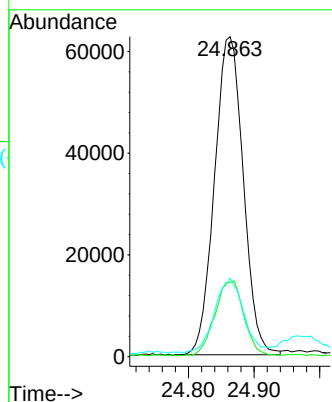
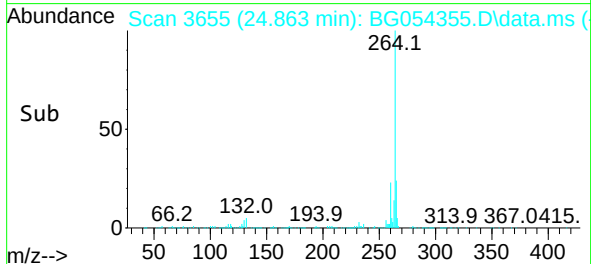


Tgt Ion:264 Resp: 190080
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.0 28.6
 265 24.5 17.4 26.2

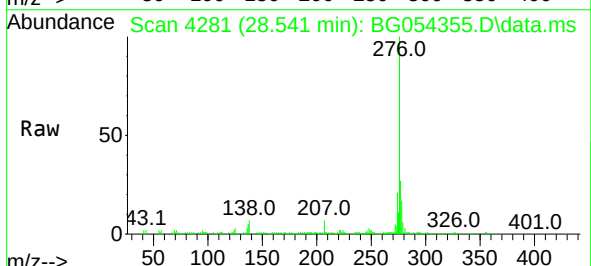
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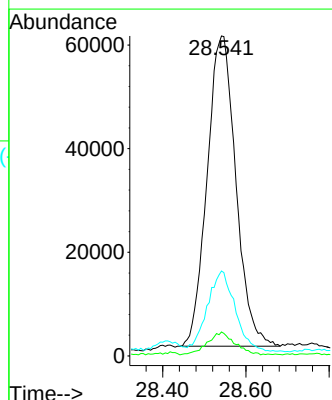
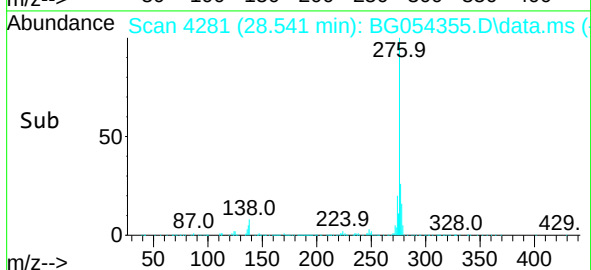
Reviewed By :Christian Giraldo 07/22/2022
 Supervised By :Jagrut Upadhyay 07/22/2022

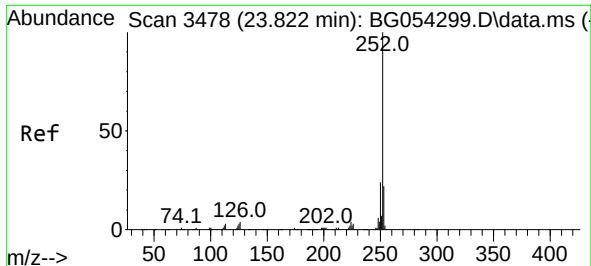


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 19.905 ng
 RT: 28.541 min Scan# 4281
 Delta R.T. 0.036 min
 Lab File: BG054355.D
 Acq: 21 Jul 2022 22:02



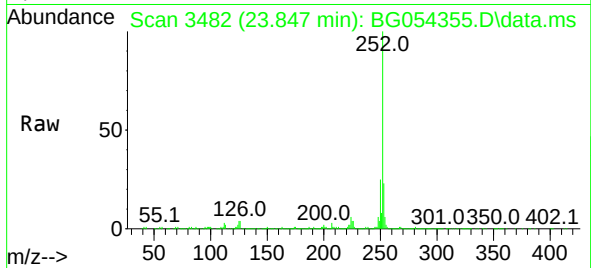
Tgt Ion:276 Resp: 287826
 Ion Ratio Lower Upper
 276 100
 138 7.0 5.0 7.4
 277 24.7 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 47.509 ng
RT: 23.847 min Scan# 3478
Delta R.T. 0.024 min
Lab File: BG054355.D
Acq: 21 Jul 2022 22:02

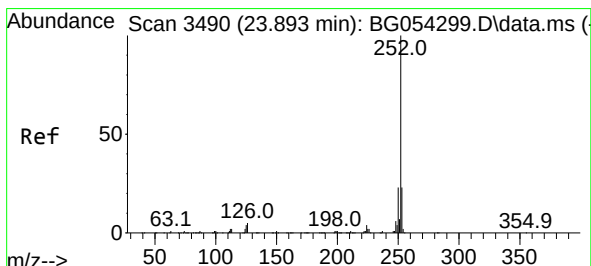
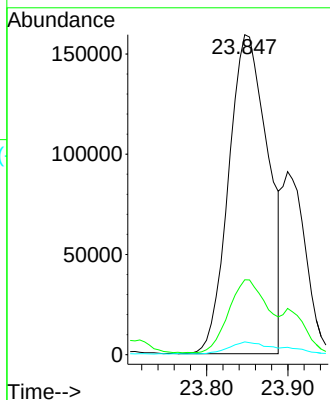
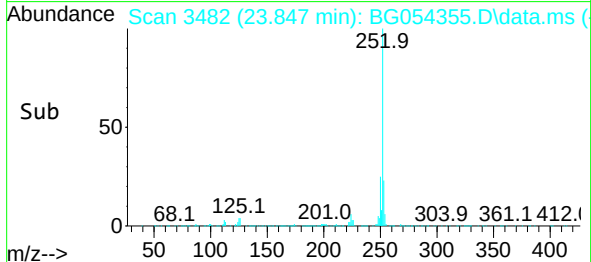
Instrument :
BNA_G
ClientSampleId :
72-11966DL



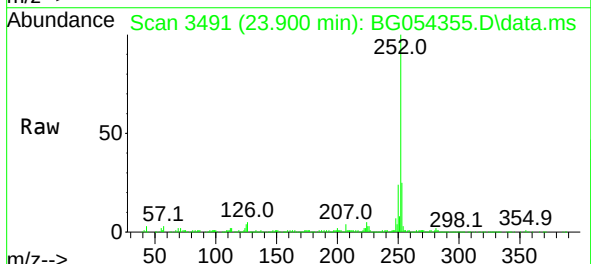
Tgt Ion:252 Resp: 534054
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 4.0 4.6 6.8

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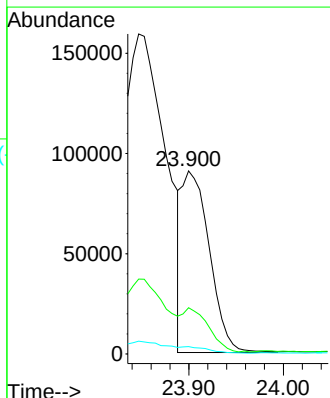
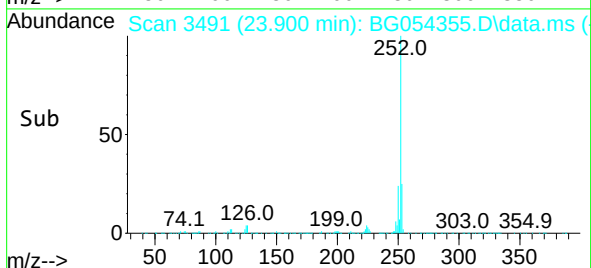
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

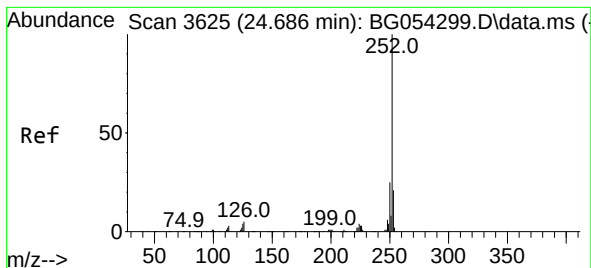


#89
Benzo(k)fluoranthene
Concen: 16.361 ng m
RT: 23.900 min Scan# 3491
Delta R.T. 0.007 min
Lab File: BG054355.D
Acq: 21 Jul 2022 22:02



Tgt Ion:252 Resp: 183038
Ion Ratio Lower Upper
252 100
253 25.3 18.4 27.6
125 4.0 4.8 7.2





#90

Benzo(a)pyrene

Concen: 41.238 ng m

RT: 24.711 min Scan# 30

Delta R.T. 0.024 min

Lab File: BG054355.D

Acq: 21 Jul 2022 22:02

Instrument :

BNA_G

ClientSampleId :

72-11966DL

Tgt Ion:252 Resp: 39588

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.8

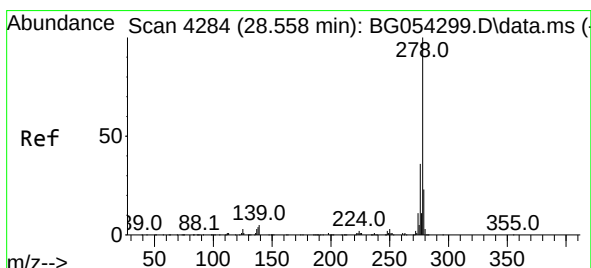
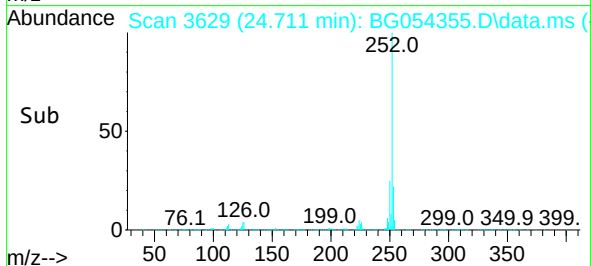
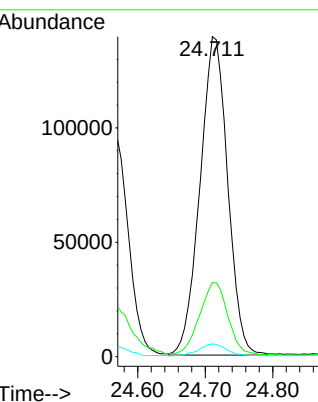
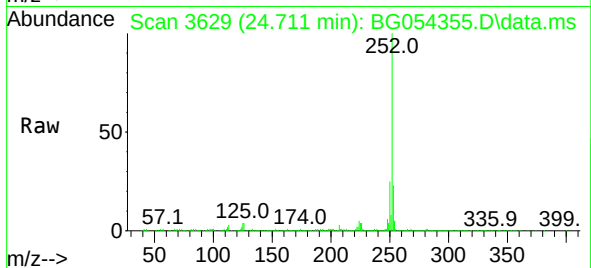
125 4.0 4.3 6.5

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Supervised By :Jagrut Upadhyay 07/22/2022



#91

Dibenzo(a,h)anthracene

Concen: 5.626 ng

RT: 28.571 min Scan# 4286

Delta R.T. 0.013 min

Lab File: BG054355.D

Acq: 21 Jul 2022 22:02

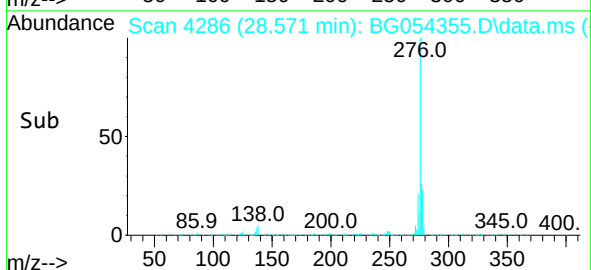
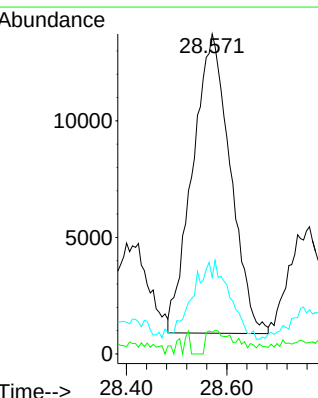
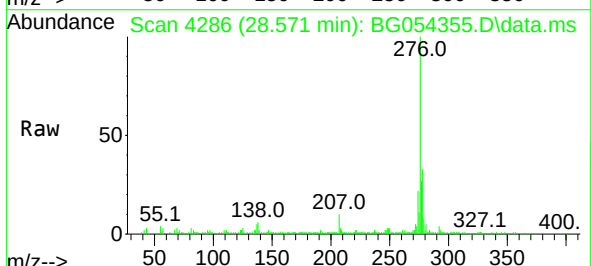
Tgt Ion:278 Resp: 66899

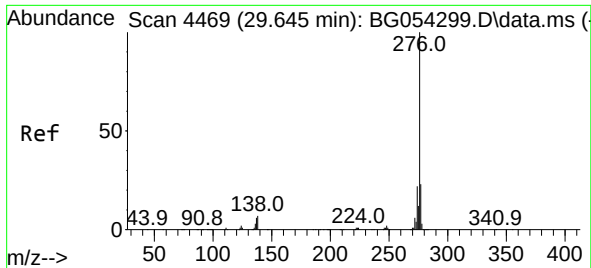
Ion Ratio Lower Upper

278 100

139 6.8 7.2 10.8

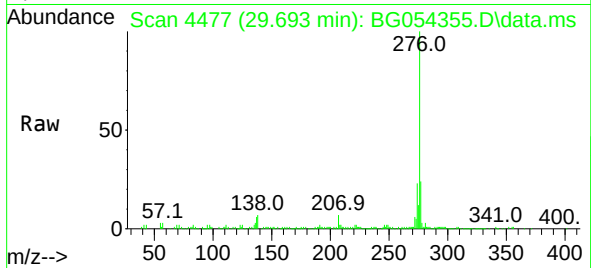
279 23.9 18.6 27.8





#92
 Benzo(g,h,i)perylene
 Concen: 25.968 ng
 RT: 29.693 min Scan# 44
 Delta R.T. 0.048 min
 Lab File: BG054355.D
 Acq: 21 Jul 2022 22:02

Instrument :
 BNA_G
 ClientSampleId :
 72-11966DL



Tgt Ion:276 Resp: 304740
 Ion Ratio Lower Upper
 276 100
 277 24.1 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

