

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072022\
 Data File : BG054335.D
 Acq On : 20 Jul 2022 20:13
 Operator : CG/JU
 Sample : N3776-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11966

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/21/2022
 Supervised By : Jagrut Upadhyay 07/21/2022

Quant Time: Jul 21 01:25:37 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 15:54:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.001	152	24399	20.000	ng	0.00
21) Naphthalene-d8	10.810	136	94199	20.000	ng	# 0.00
39) Acenaphthene-d10	14.635	164	72311	20.000	ng	0.00
64) Phenanthrene-d10	17.384	188	160477	20.000	ng	# 0.00
76) Chrysene-d12	21.662	240	179197	20.000	ng	# 0.02
86) Perylene-d12	24.893	264	200461	20.000	ng	# 0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	153871	131.671	ng	0.00
7) Phenol-d6	7.179	99	211906	132.336	ng	0.00
23) Nitrobenzene-d5	9.165	82	143925	83.204	ng	0.00
42) 2,4,6-Tribromophenol	16.127	330	190576	125.522	ng	0.00
45) 2-Fluorobiphenyl	13.254	172	444252	86.668	ng	0.00
79) Terphenyl-d14	19.993	244	786073	87.022	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.857	128	15890	3.360	ng	97
37) 2-Methylnaphthalene	12.467	142	9248	2.547	ng	86
38) 1-Methylnaphthalene	12.684	142	11128	3.145	ng	87
49) Acenaphthylene	14.358	152	45430	7.385	ng	97
52) Acenaphthene	14.699	154	41532	11.149	ng	97
55) Dibenzofuran	15.028	168	23659	3.569	ng	# 92
58) Fluorene	15.680	166	50397	9.248	ng	93
71) Phenanthrene	17.431	178	1053033	131.766	ng	95
72) Anthracene	17.514	178	169624	21.629	ng	98
73) Carbazole	17.784	167	113560	17.588	ng	99
75) Fluoranthene	19.452	202	2639800	242.318	ng	89
78) Pyrene	19.817	202	2459903	239.239	ng	# 86
81) Benzo(a)anthracene	21.644	228	1562068	137.321	ng	92
83) Chrysene	21.715	228	1626015	151.299	ng	# 90
87) Indeno(1,2,3-cd)pyrene	28.612	276	1450038	95.085	ng	98
88) Benzo(b)fluoranthene	23.894	252	2434661	205.369	ng	# 96
89) Benzo(k)fluoranthene	23.941	252	822476m	69.711	ng	
90) Benzo(a)pyrene	24.764	252	1820816	179.846	ng	94
91) Dibenzo(a,h)anthracene	28.642	278	325421m	25.951	ng	
92) Benzo(g,h,i)perylene	29.787	276	1484942	119.981	ng	# 90

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

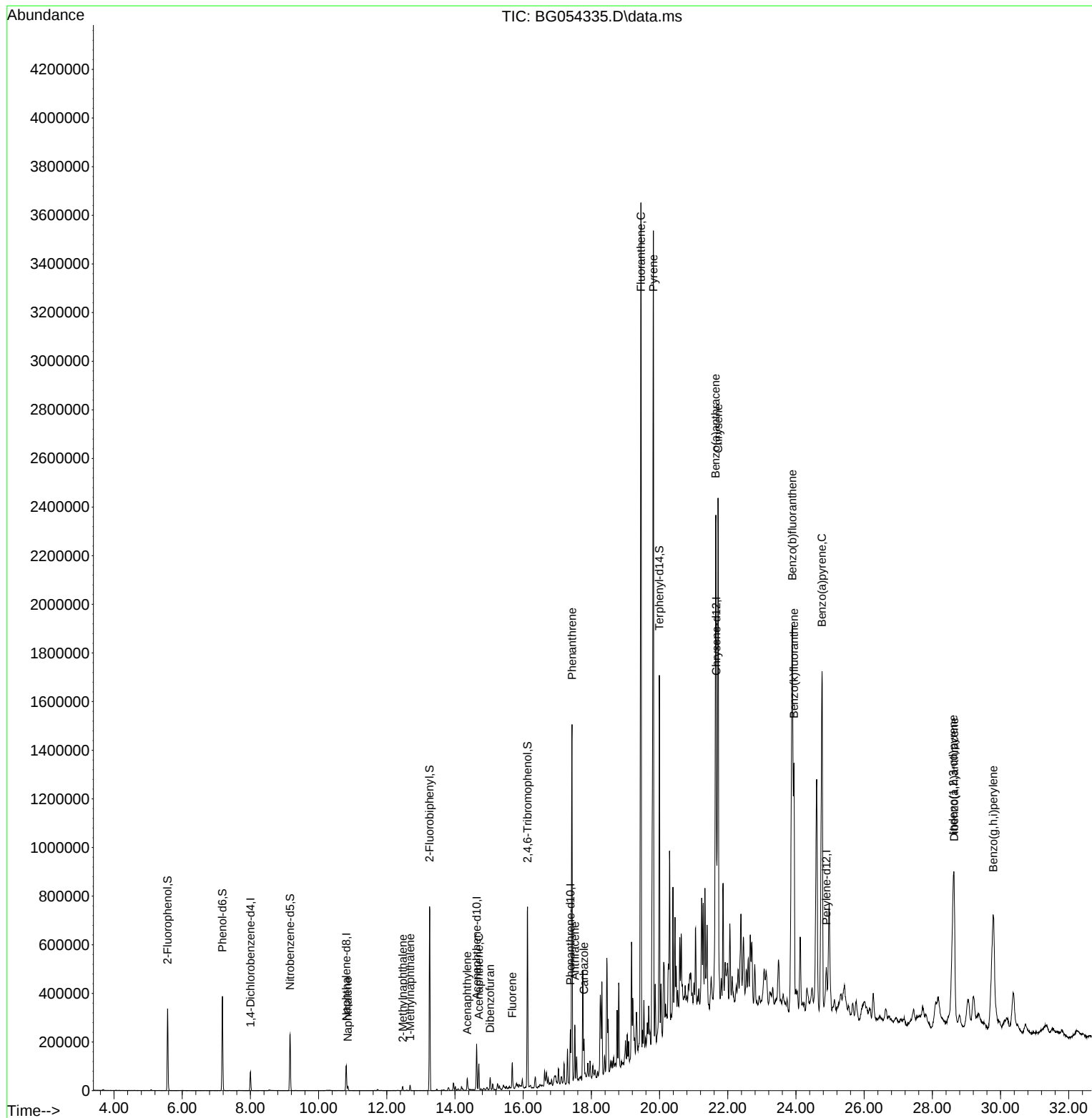
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072022\
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ALS Vial : 13 Sample Multiplier: 1

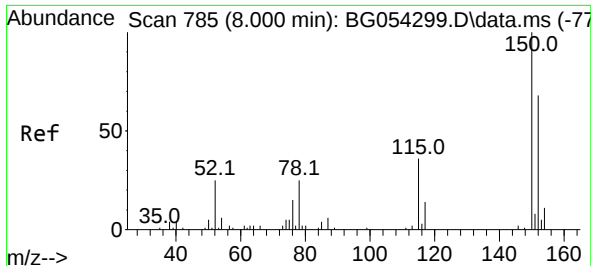
Instrument :
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Quant Time: Jul 21 01:25:37 2022
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 15 15:54:11 2022
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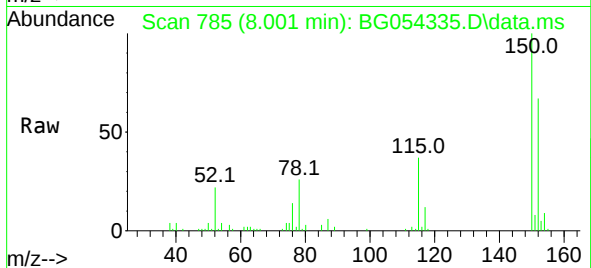
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.001 min Scan# 71
Delta R.T. 0.001 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

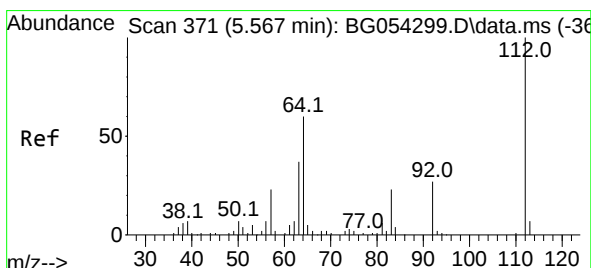
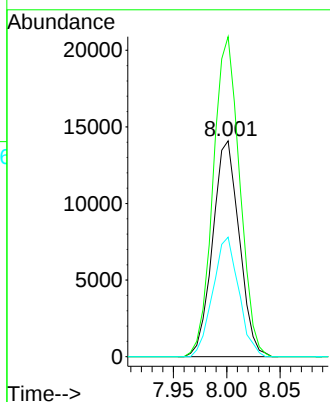
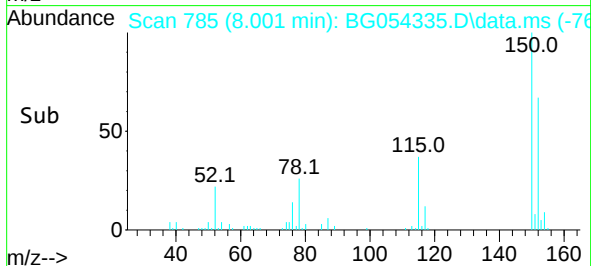
Instrument :
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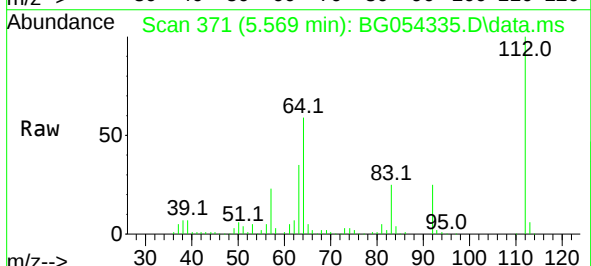
Tgt Ion:152 Resp: 2439
Ion Ratio Lower Upper
152 100
150 148.3 131.6 197.4
115 55.4 50.9 76.3

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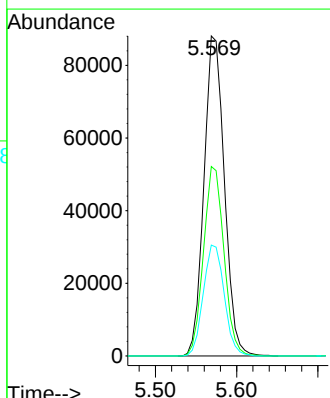
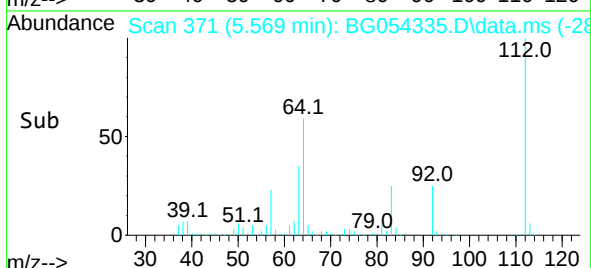
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Supervised By :Jagrut Upadhyay 07/21/2022

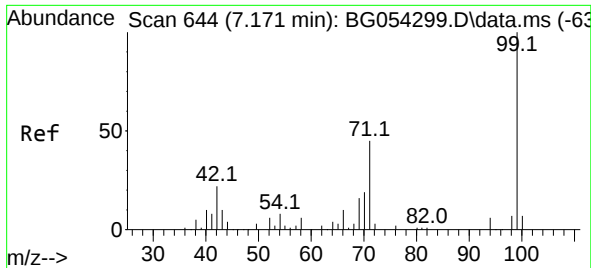


#5
2-Fluorophenol
Concen: 131.671 ng
RT: 5.569 min Scan# 371
Delta R.T. 0.001 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13



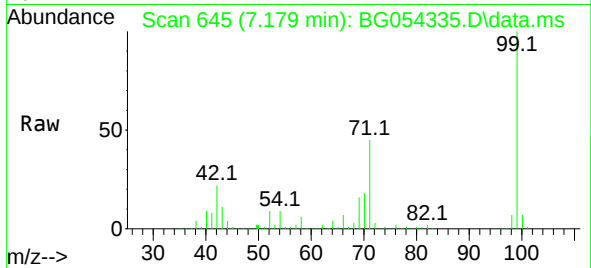
Tgt Ion:112 Resp: 153871
Ion Ratio Lower Upper
112 100
64 59.2 55.1 82.7
63 34.6 30.4 45.6





#7
Phenol-d6
Concen: 132.336 ng
RT: 7.179 min Scan# 644
Delta R.T. 0.007 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

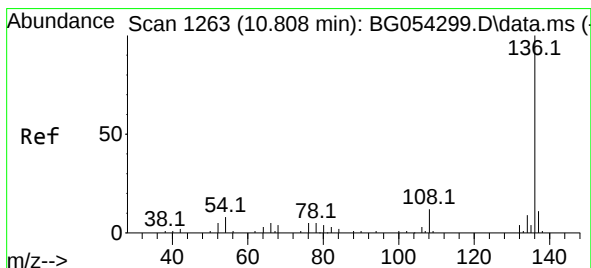
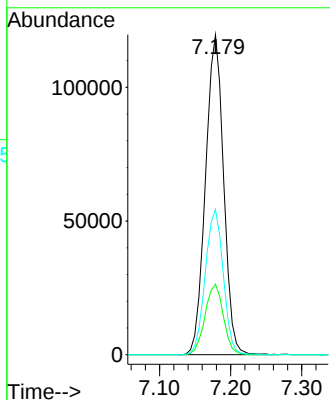
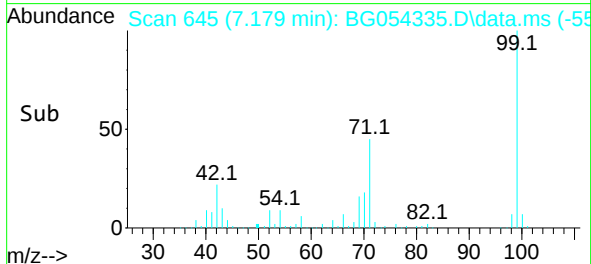
Instrument :
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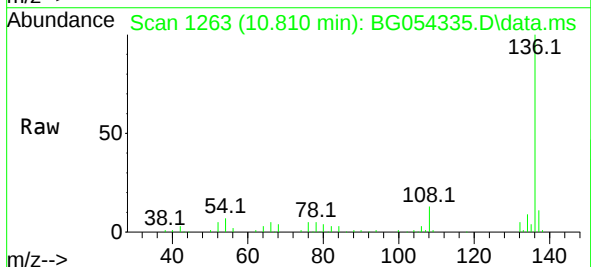
Tgt Ion: 99 Resp: 211900
Ion Ratio Lower Upper
99 100
42 22.1 17.0 25.6
71 45.4 33.8 50.8

Manual Integrations
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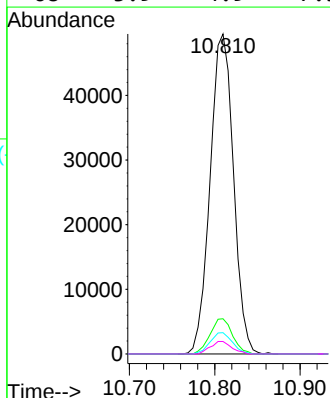
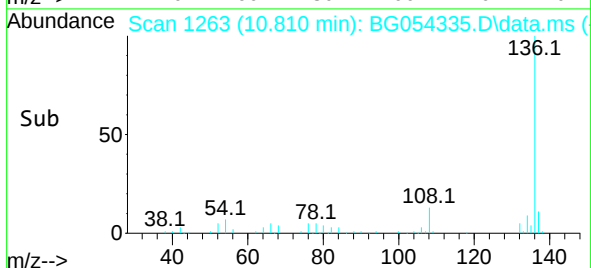
Reviewed By :Christian Giraldo 07/21/2022
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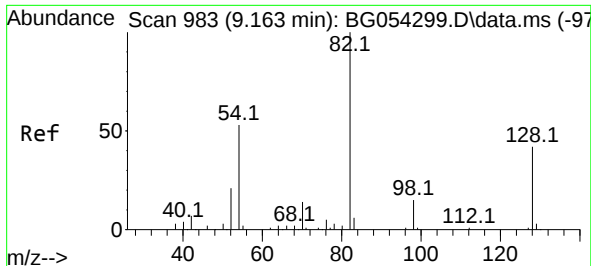


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.810 min Scan# 1263
Delta R.T. 0.002 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13



Tgt Ion:136 Resp: 94199
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 6.7 7.4 11.2#
68 3.9 4.9 7.3#





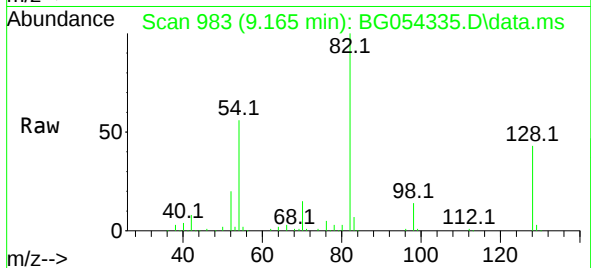
#23
Nitrobenzene-d5
Concen: 83.204 ng
RT: 9.165 min Scan# 91
Delta R.T. 0.001 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

Instrument :

BNA_G

ClientSampleId :

72-11966

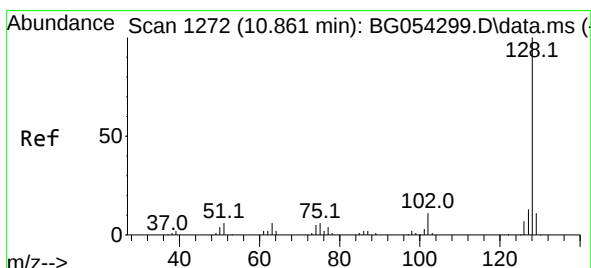
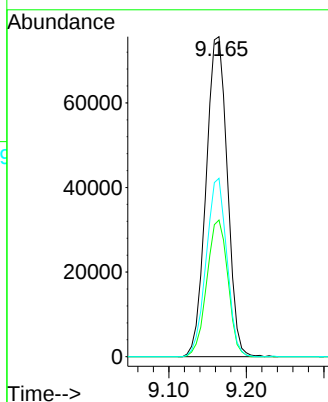
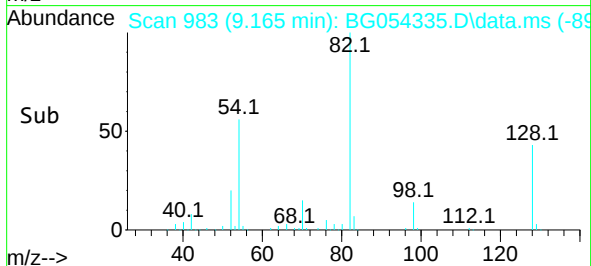


Tgt Ion: 82 Resp: 143925
Ion Ratio Lower Upper
82 100
128 42.7 27.9 41.9
54 55.8 41.2 61.8

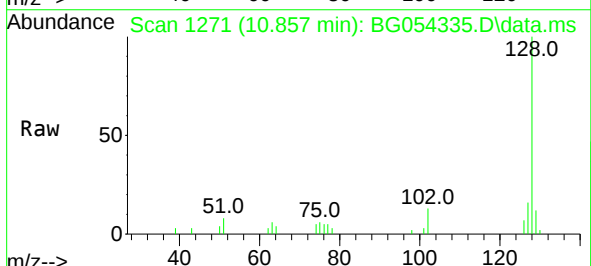
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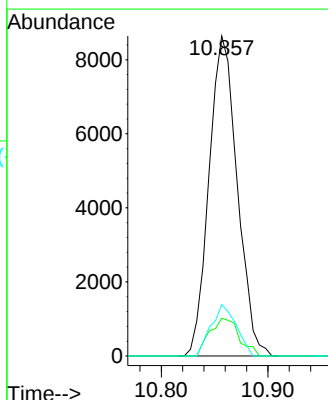
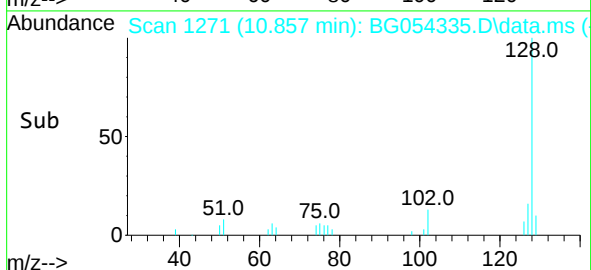
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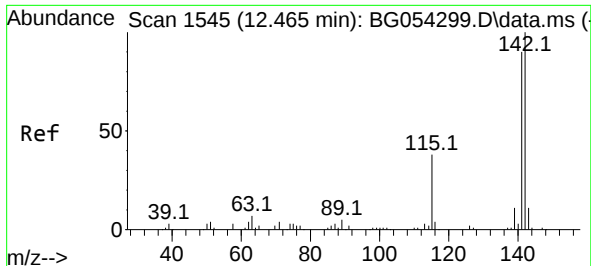


#31
Naphthalene
Concen: 3.360 ng
RT: 10.857 min Scan# 1271
Delta R.T. -0.005 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13



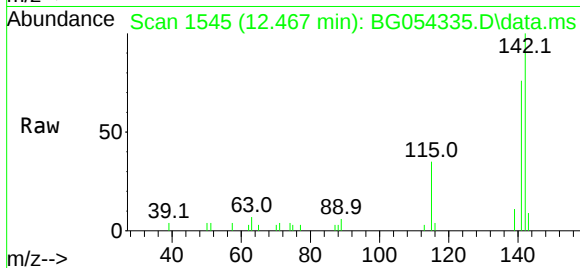
Tgt Ion:128 Resp: 15890
Ion Ratio Lower Upper
128 100
129 11.8 9.0 13.6
127 16.0 11.1 16.7





#37
2-Methylnaphthalene
Concen: 2.547 ng
RT: 12.467 min Scan# 1545
Delta R.T. 0.001 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

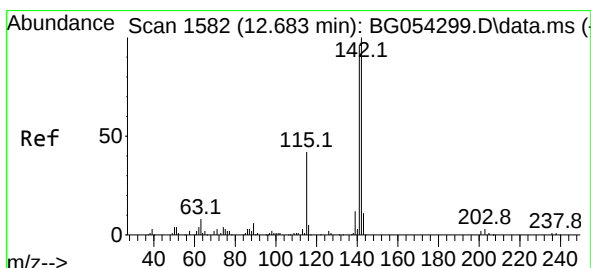
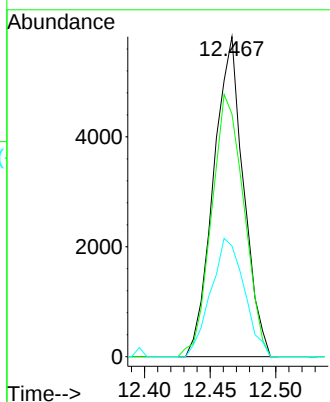
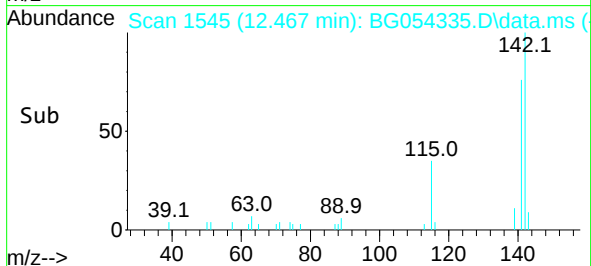
Instrument :
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72-11966



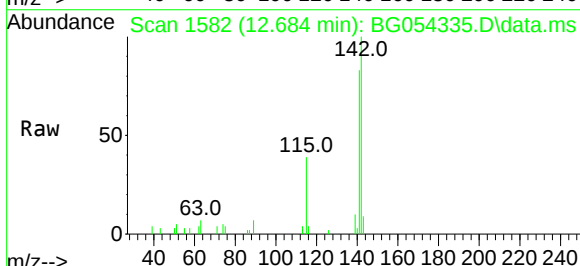
Tgt Ion:142 Resp: 9248
Ion Ratio Lower Upper
142 100
141 75.9 72.3 108.5
115 34.6 33.7 50.5

Manual Integrations
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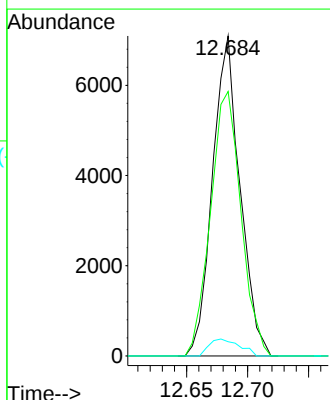
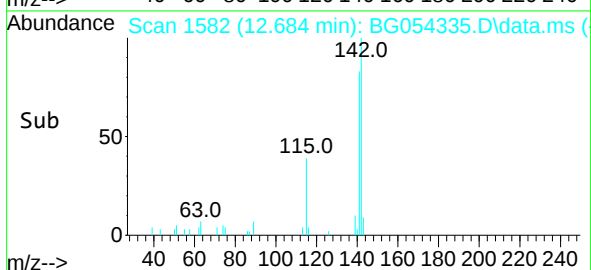
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

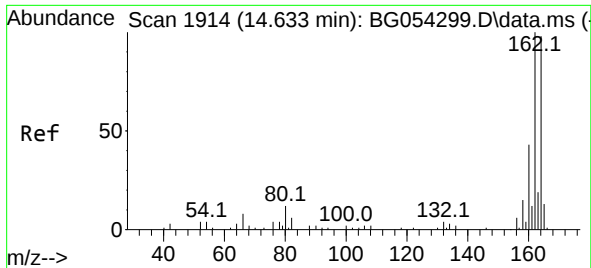


#38
1-Methylnaphthalene
Concen: 3.145 ng
RT: 12.684 min Scan# 1582
Delta R.T. 0.001 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13



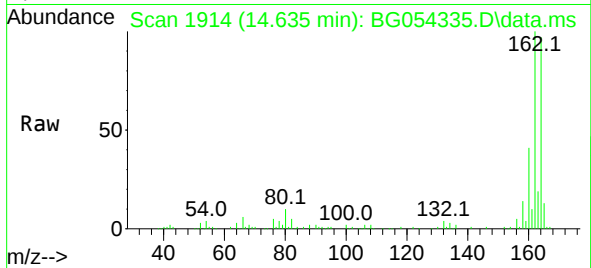
Tgt Ion:142 Resp: 11128
Ion Ratio Lower Upper
142 100
141 82.6 76.4 114.6
116 4.4 3.3 4.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.635 min Scan# 1914
Delta R.T. 0.002 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

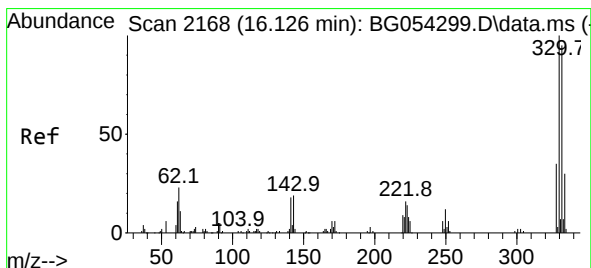
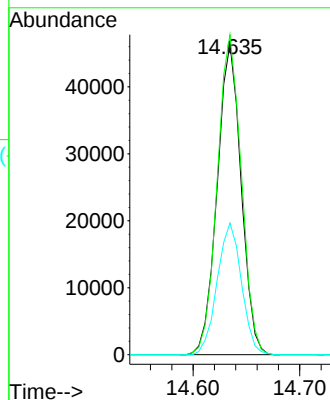
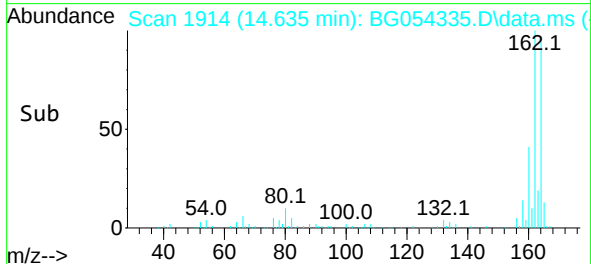
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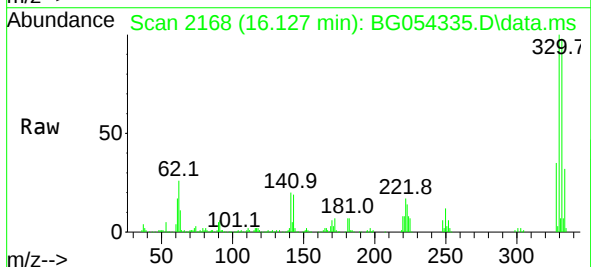
Tgt Ion:164 Resp: 7231
Ion Ratio Lower Upper
164 100
162 102.9 82.3 123.5
160 42.4 34.2 51.2

Manual Integrations
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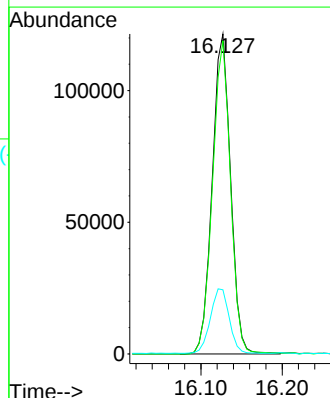
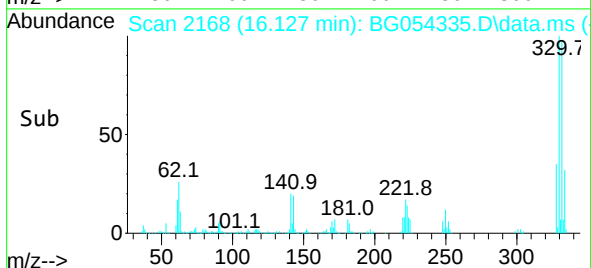
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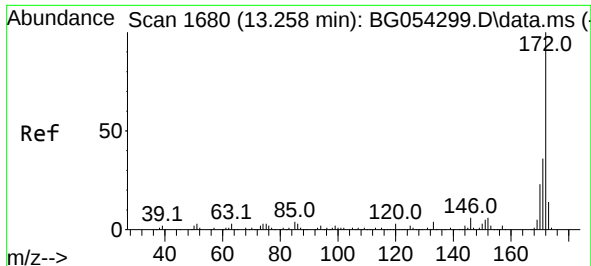


#42
2,4,6-Tribromophenol
Concen: 125.522 ng
RT: 16.127 min Scan# 2168
Delta R.T. 0.001 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13



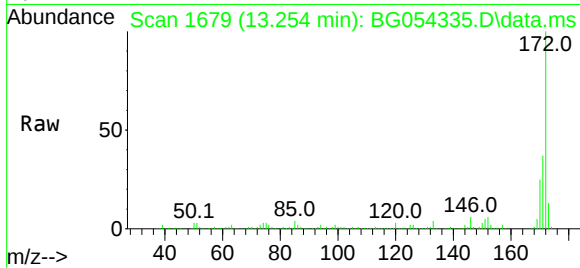
Tgt Ion:330 Resp: 190576
Ion Ratio Lower Upper
330 100
332 96.3 76.0 114.0
141 20.7 27.1 40.7#





#45
2-Fluorobiphenyl
Concen: 86.668 ng
RT: 13.254 min Scan# 1679
Delta R.T. -0.005 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

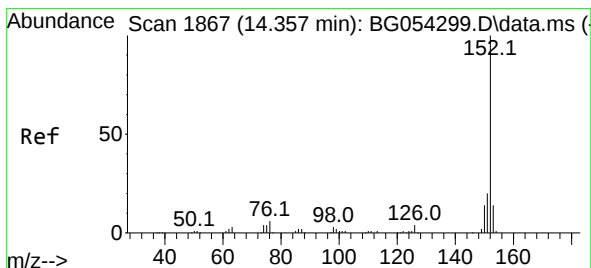
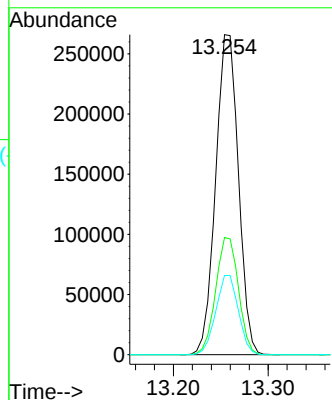
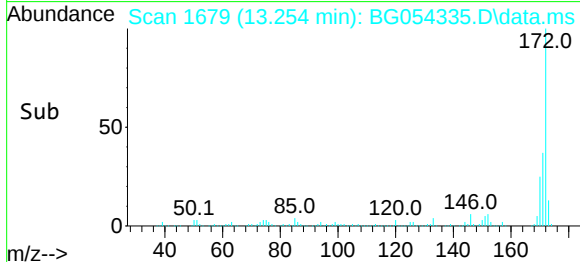
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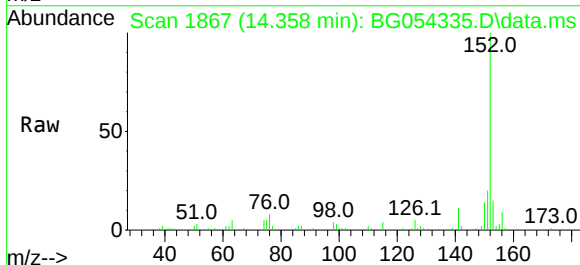
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Ion Ratio Lower Upper
172 100
171 36.6 28.5 42.7
170 24.8 18.9 28.3

Manual Integrations
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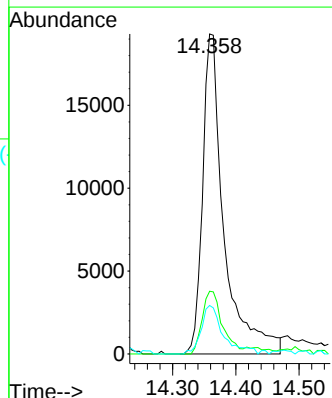
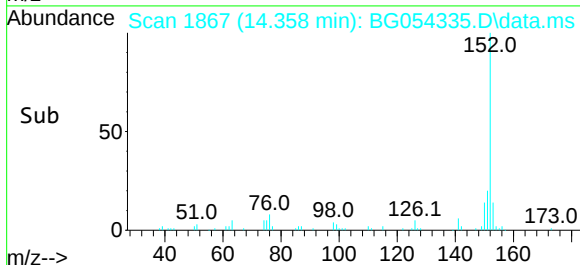
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

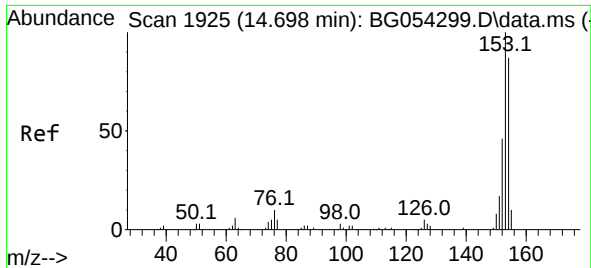


#49
Acenaphthylene
Concen: 7.385 ng
RT: 14.358 min Scan# 1867
Delta R.T. 0.001 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13



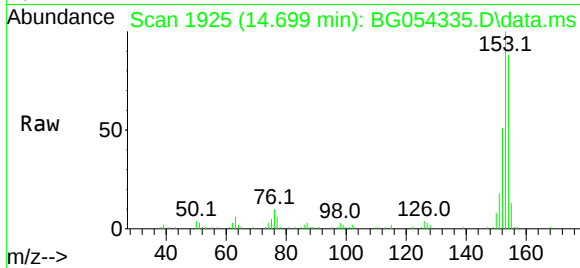
Tgt Ion:152 Resp: 45430
Ion Ratio Lower Upper
152 100
151 19.6 16.4 24.6
153 15.2 10.8 16.2





#52
Acenaphthene
Concen: 11.149 ng
RT: 14.699 min Scan# 1925
Delta R.T. 0.001 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

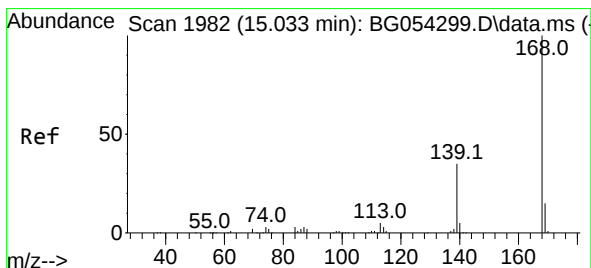
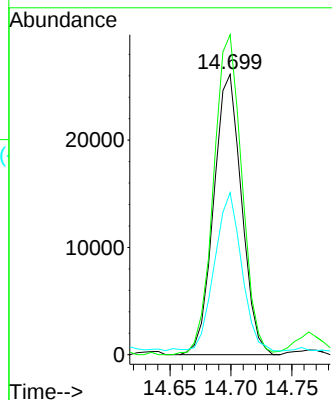
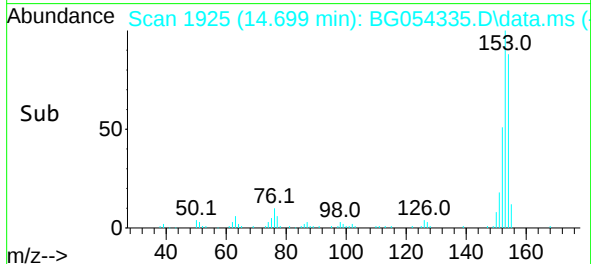
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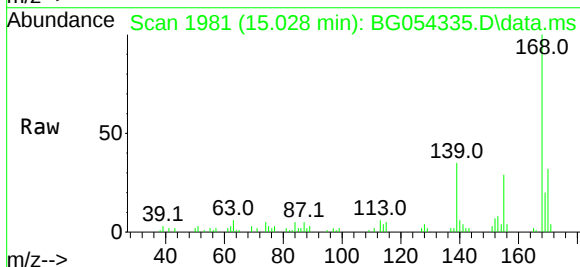
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Ion Ratio Lower Upper
154 100
153 114.1 92.7 139.1
152 57.8 42.6 64.0

Manual Integrations
APPROVED

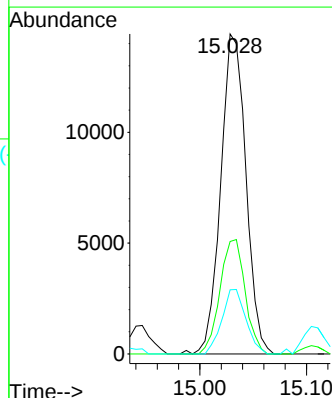
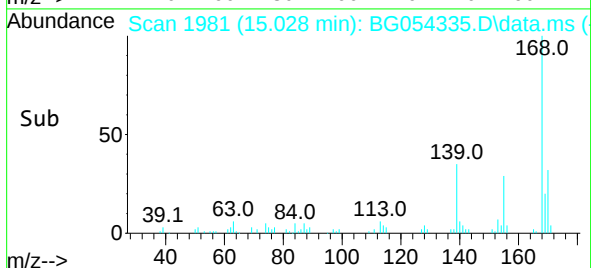
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

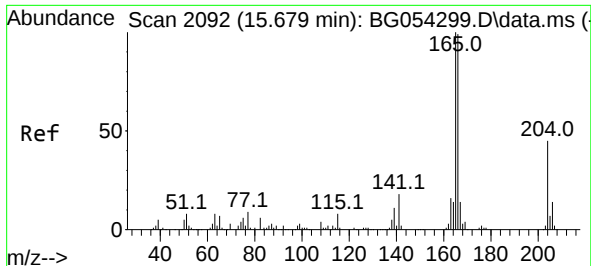


#55
Dibenzofuran
Concen: 3.569 ng
RT: 15.028 min Scan# 1981
Delta R.T. -0.004 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13



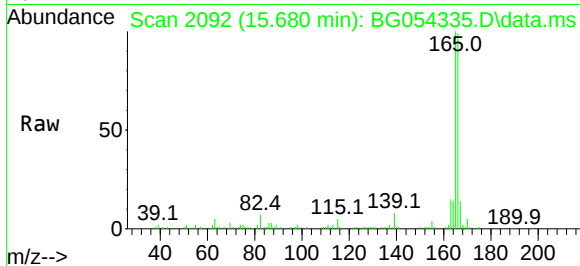
Tgt Ion:168 Resp: 23659
Ion Ratio Lower Upper
168 100
139 35.2 30.5 45.7
169 20.1 10.3 15.5#





#58
Fluorene
Concen: 9.248 ng
RT: 15.680 min Scan# 2092
Delta R.T. 0.001 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

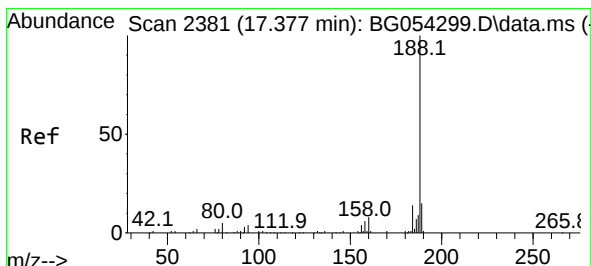
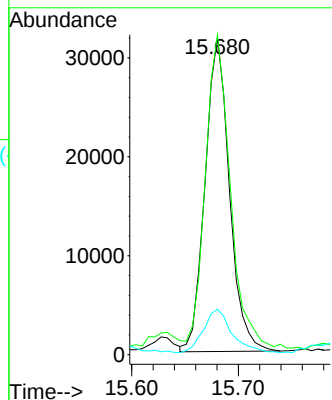
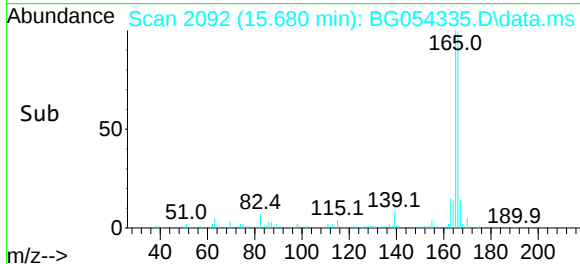
Instrument :
BNA_G
ClientSampleId :
72-11966



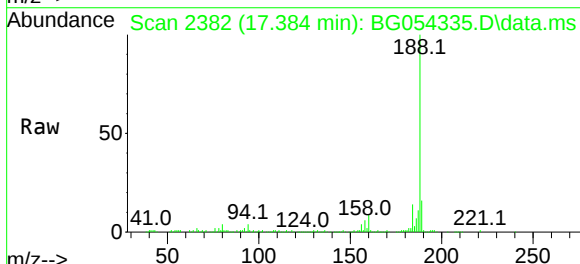
Tgt Ion:166 Resp: 5039
Ion Ratio Lower Upper
166 100
165 100.9 75.0 112.6
167 14.3 10.8 16.2

Manual Integrations
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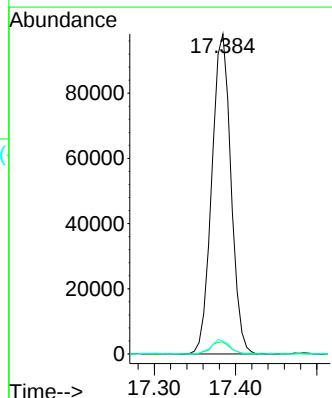
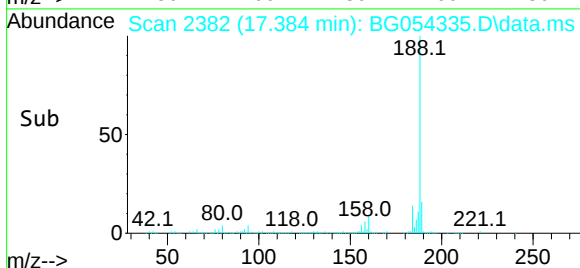
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

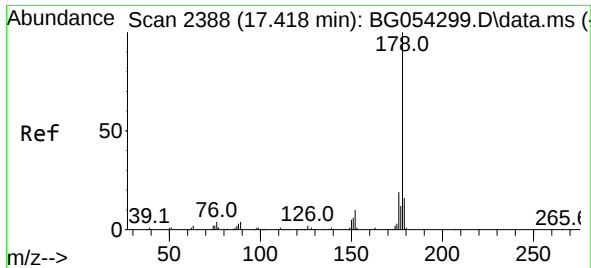


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.384 min Scan# 2382
Delta R.T. 0.007 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13



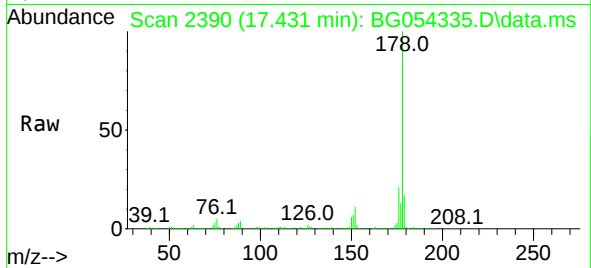
Tgt Ion:188 Resp: 160477
Ion Ratio Lower Upper
188 100
94 3.8 5.4 8.0#
80 4.0 6.8 10.2#





#71
Phenanthrene
Concen: 131.766 ng
RT: 17.431 min Scan# 21
Delta R.T. 0.013 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

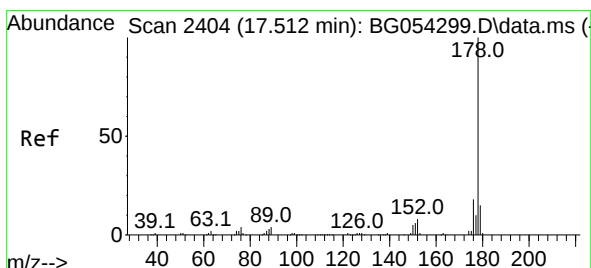
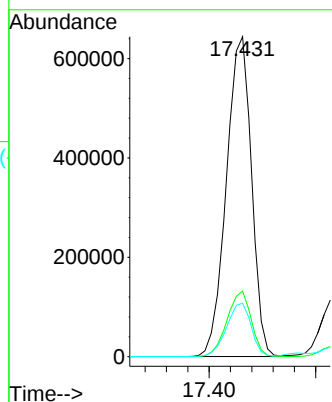
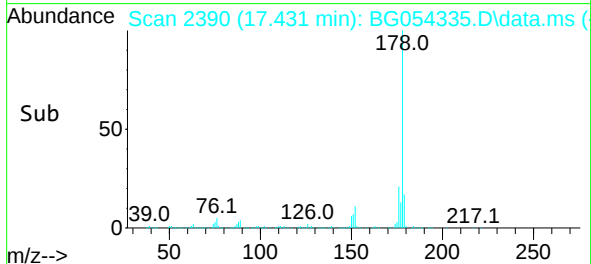
Instrument :
BNA_G
ClientSampleId :
72-11966



Tgt Ion:178 Resp: 105303
Ion Ratio Lower Upper
178 100
176 20.5 14.1 21.1
179 16.7 12.1 18.1

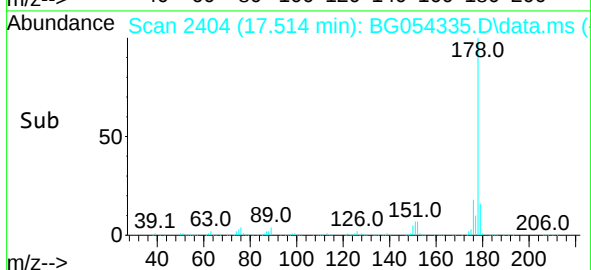
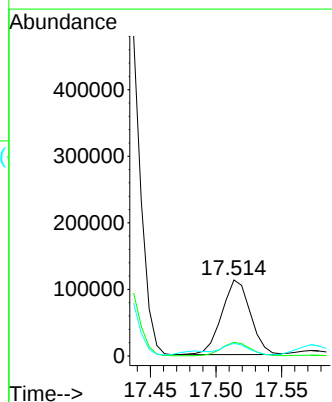
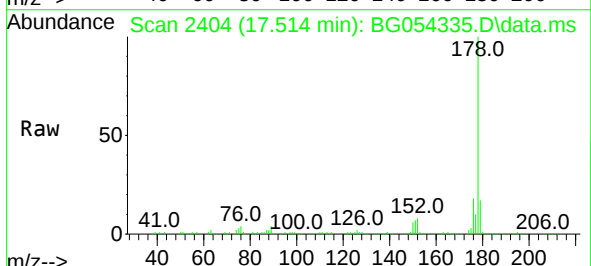
Manual Integrations
APPROVED

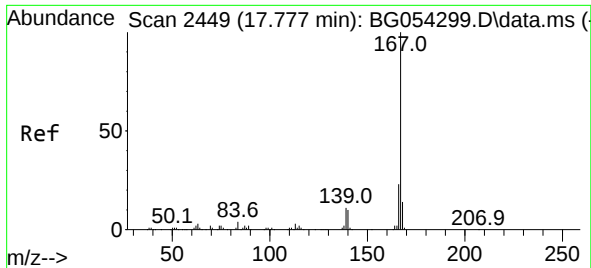
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022



#72
Anthracene
Concen: 21.629 ng
RT: 17.514 min Scan# 2404
Delta R.T. 0.001 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

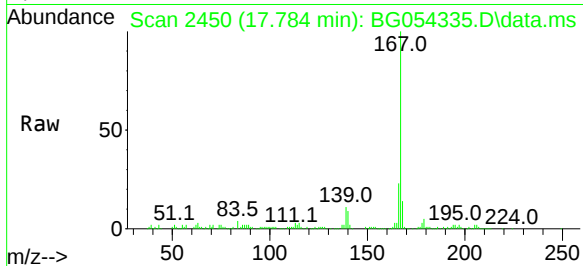
Tgt Ion:178 Resp: 169624
Ion Ratio Lower Upper
178 100
176 17.9 15.2 22.8
179 16.6 13.0 19.4





#73
 Carbazole
 Concen: 17.588 ng
 RT: 17.784 min Scan# 2449
 Delta R.T. 0.007 min
 Lab File: BG054335.D
 Acq: 20 Jul 2022 20:13

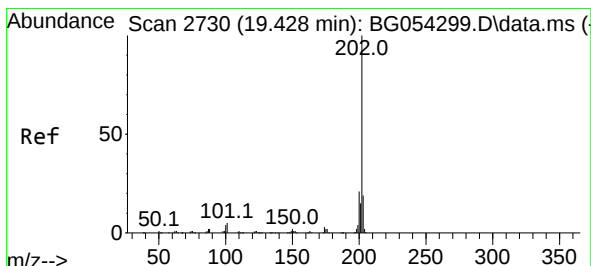
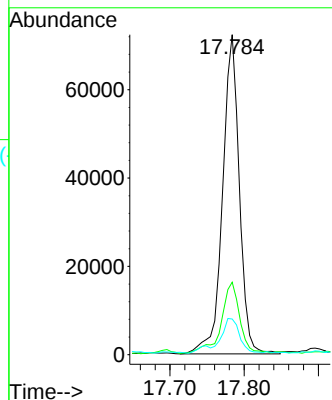
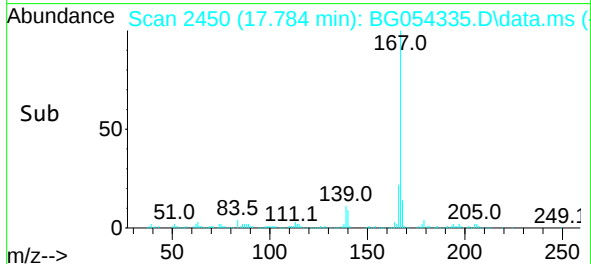
Instrument :
 BNA_G
 ClientSampleId :
 72-11966



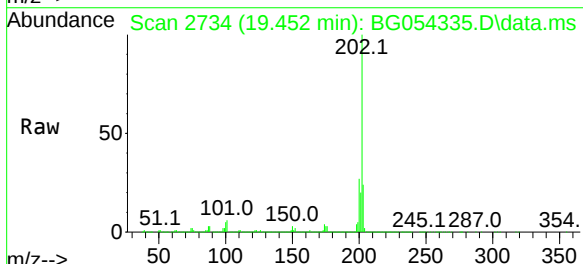
Tgt Ion:167 Resp: 113560
 Ion Ratio Lower Upper
 167 100
 166 22.7 18.2 27.2
 139 11.2 10.1 15.1

Manual Integrations
 APPROVED

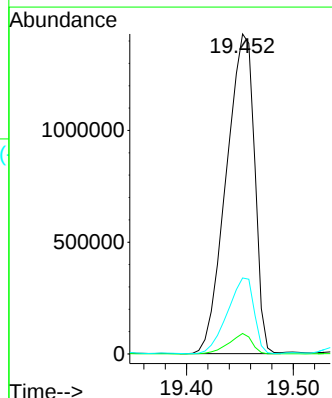
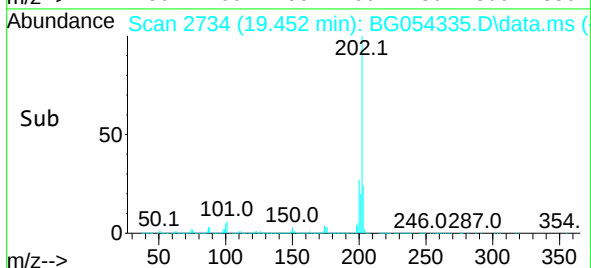
Reviewed By :Christian Giraldo 07/21/2022
 Supervised By :Jagrut Upadhyay 07/21/2022

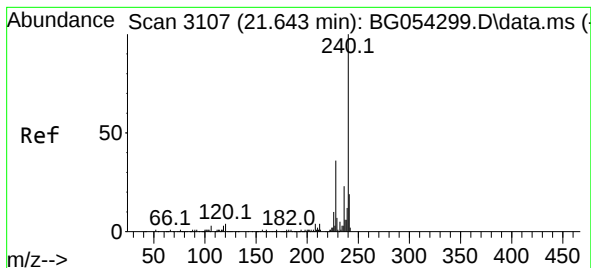


#75
 Fluoranthene
 Concen: 242.318 ng
 RT: 19.452 min Scan# 2734
 Delta R.T. 0.025 min
 Lab File: BG054335.D
 Acq: 20 Jul 2022 20:13



Tgt Ion:202 Resp: 2639800
 Ion Ratio Lower Upper
 202 100
 101 6.4 0.0 26.9
 203 23.8 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.662 min Scan# 3107

Delta R.T. 0.019 min

Lab File: BG054335.D

Acq: 20 Jul 2022 20:13

Instrument :

BNA_G

ClientSampleId :

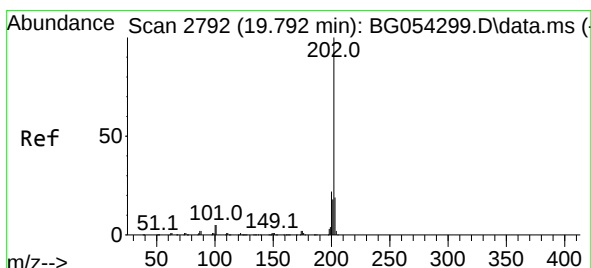
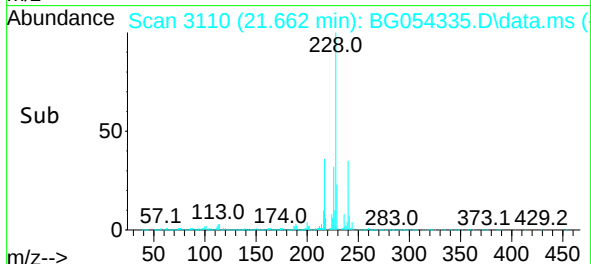
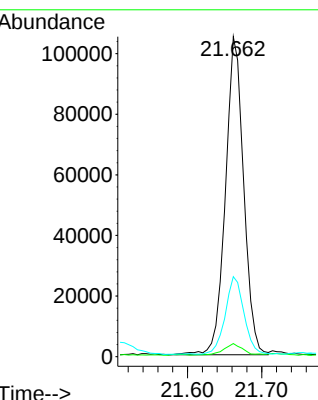
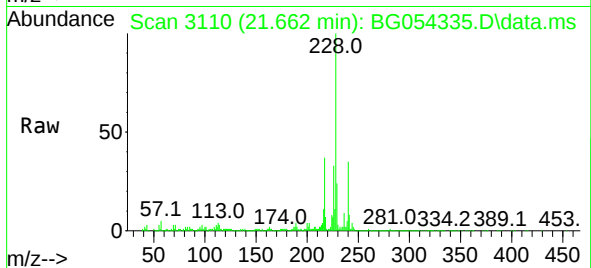
72-11966

Tgt Ion:240 Resp: 179197
 Ion Ratio Lower Upper
 240 100
 120 4.1 4.6 7.0#
 236 25.0 20.2 30.4

Manual Integrations

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Reviewed By :Christian Giraldo 07/21/2022
 Supervised By :Jagrut Upadhyay 07/21/2022



#78

Pyrene

Concen: 239.239 ng

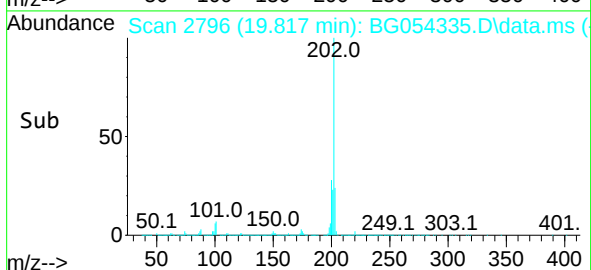
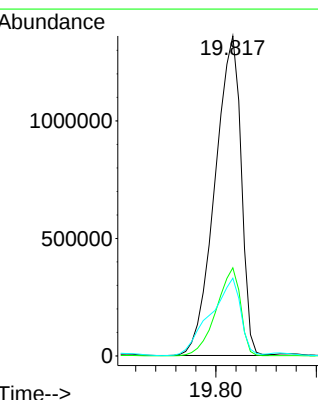
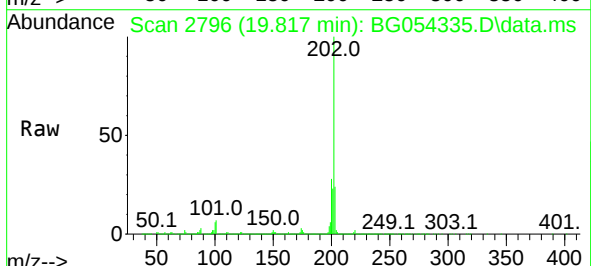
RT: 19.817 min Scan# 2796

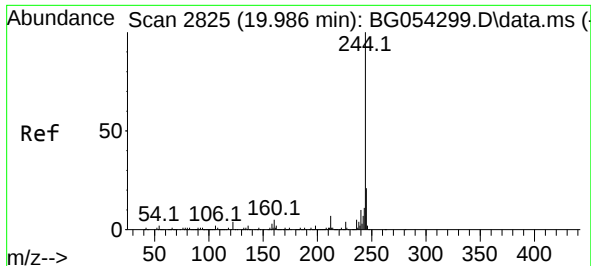
Delta R.T. 0.025 min

Lab File: BG054335.D

Acq: 20 Jul 2022 20:13

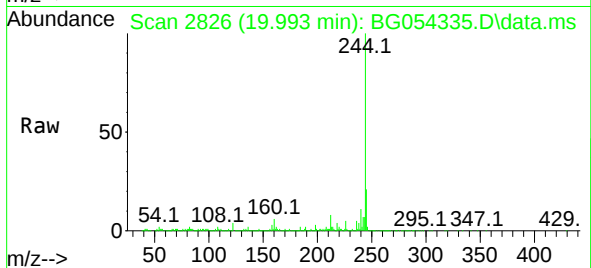
Tgt Ion:202 Resp: 2459903
 Ion Ratio Lower Upper
 202 100
 200 27.6 16.6 24.8#
 203 24.3 14.6 21.8#





#79
 Terphenyl-d14
 Concen: 87.022 ng
 RT: 19.993 min Scan# 21
 Delta R.T. 0.007 min
 Lab File: BG054335.D
 Acq: 20 Jul 2022 20:13

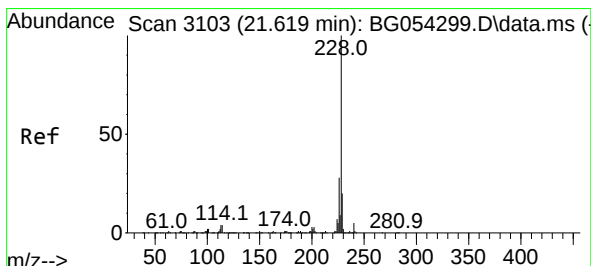
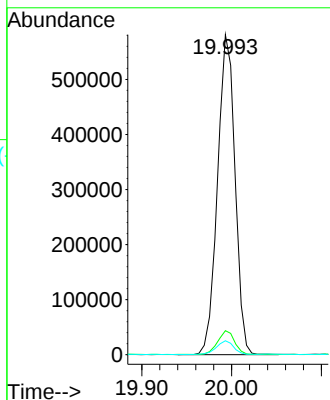
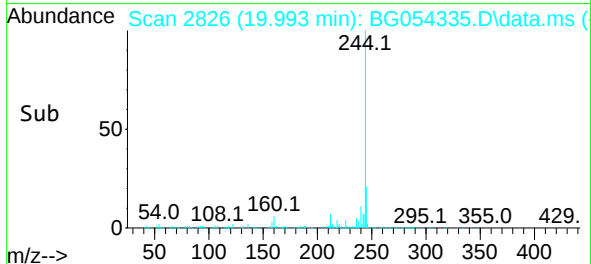
Instrument :
 BNA_G
 ClientSampleId :
 72-11966



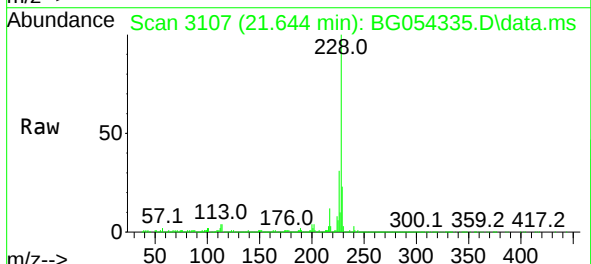
Tgt Ion:244 Resp: 786073
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.5 9.7
 122 4.4 5.0 7.4

Manual Integrations
 APPROVED

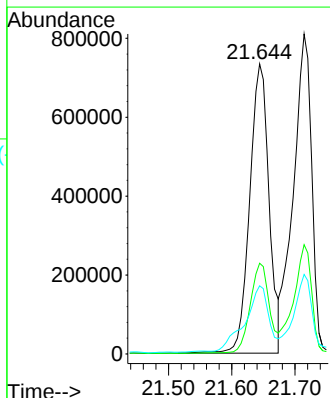
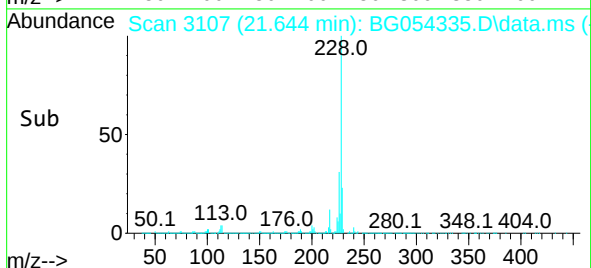
Reviewed By :Christian Giraldo 07/21/2022
 Supervised By :Jagrut Upadhyay 07/21/2022

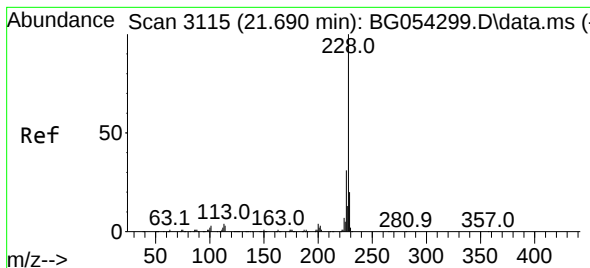


#81
 Benzo(a)anthracene
 Concen: 137.321 ng
 RT: 21.644 min Scan# 3107
 Delta R.T. 0.025 min
 Lab File: BG054335.D
 Acq: 20 Jul 2022 20:13



Tgt Ion:228 Resp: 1562068
 Ion Ratio Lower Upper
 228 100
 226 31.3 21.6 32.4
 229 23.5 16.2 24.2





#83

Chrysene

Concen: 151.299 ng

RT: 21.715 min Scan# 3115

Delta R.T. 0.025 min

Lab File: BG054335.D

Acq: 20 Jul 2022 20:13

Instrument :

BNA_G

ClientSampleId :

72-11966

Tgt Ion:228 Resp: 162601

Ion Ratio Lower Upper

228 100

226 34.2 23.4 35.2

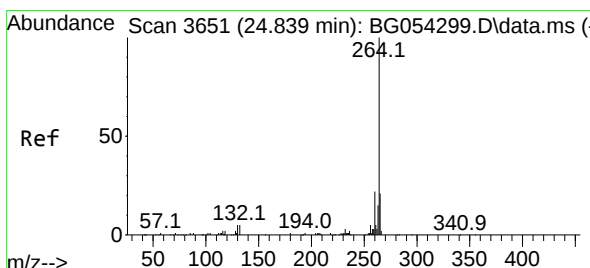
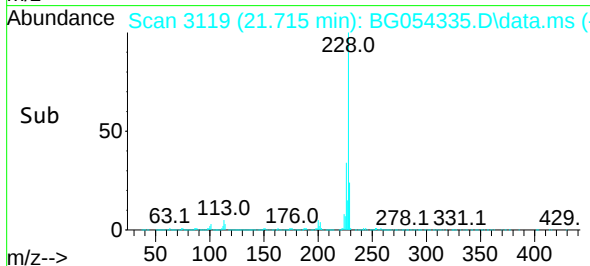
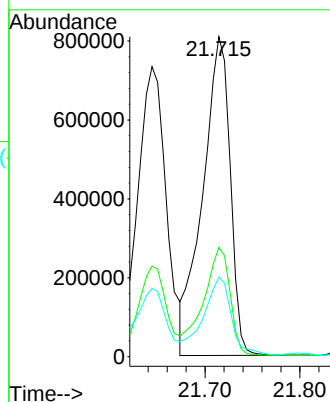
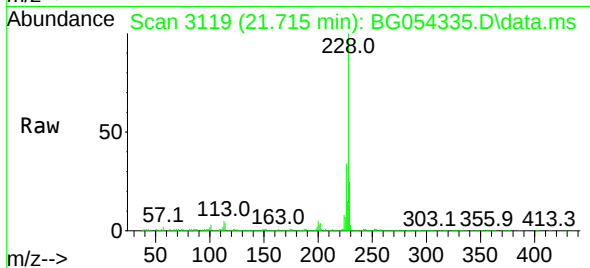
229 24.8 15.5 23.3

Manual Integrations

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Reviewed By :Christian Giraldo 07/21/2022

Supervised By :Jagrut Upadhyay 07/21/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.893 min Scan# 3660

Delta R.T. 0.054 min

Lab File: BG054335.D

Acq: 20 Jul 2022 20:13

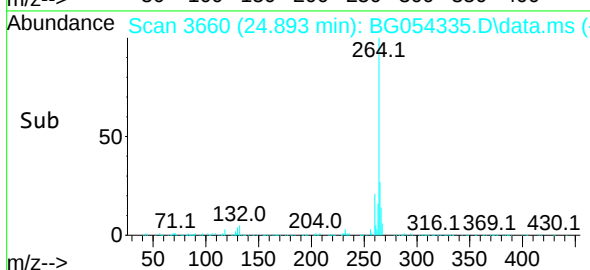
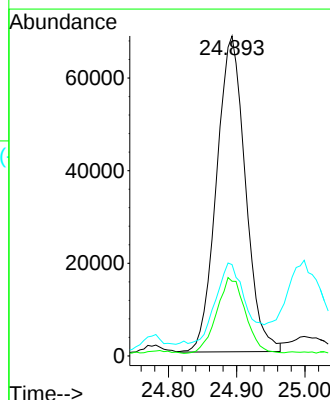
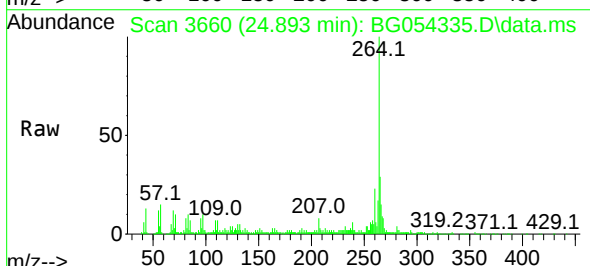
Tgt Ion:264 Resp: 200461

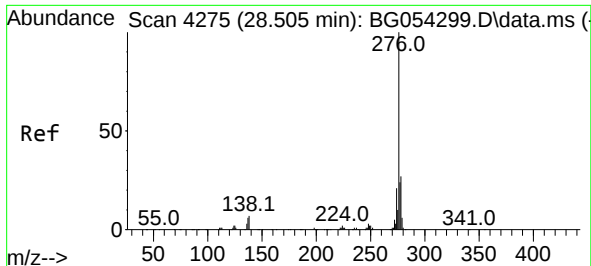
Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.6

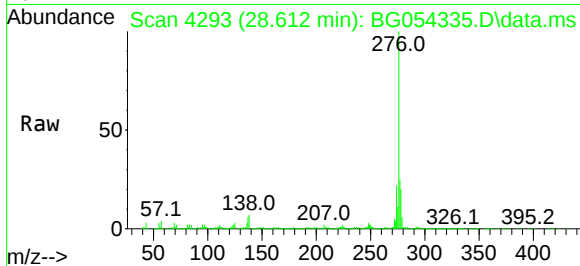
265 28.6 17.4 26.2





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 95.085 ng
 RT: 28.612 min Scan# 41
 Delta R.T. 0.107 min
 Lab File: BG054335.D
 Acq: 20 Jul 2022 20:13

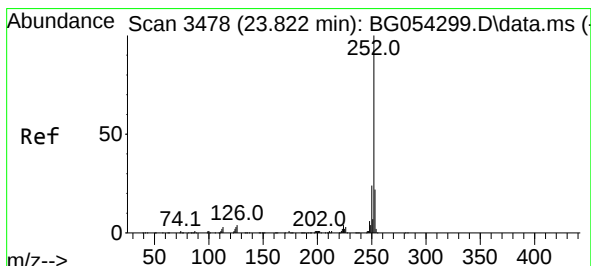
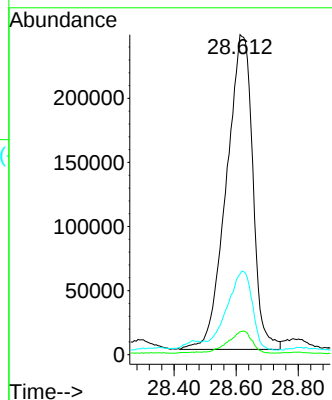
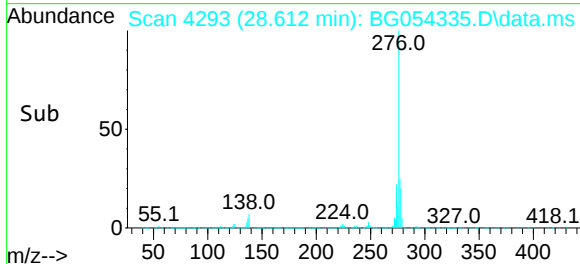
Instrument :
 BNA_G
 ClientSampleId :
 72-11966



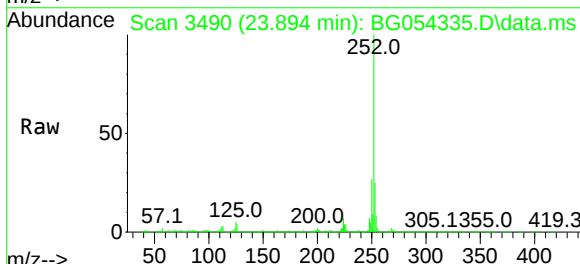
Tgt Ion:276 Resp: 1450038
 Ion Ratio Lower Upper
 276 100
 138 6.4 5.0 7.4
 277 23.9 20.3 30.5

Manual Integrations
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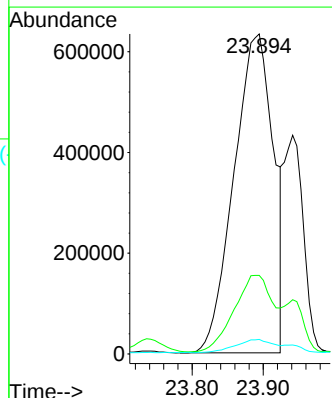
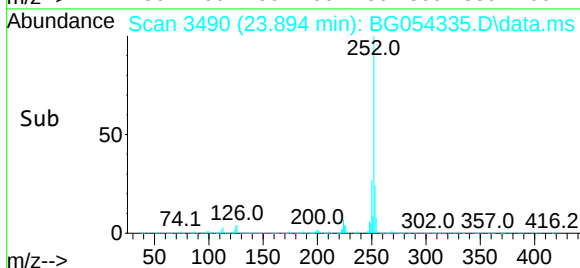
Reviewed By :Christian Giraldo 07/21/2022
 Supervised By :Jagrut Upadhyay 07/21/2022

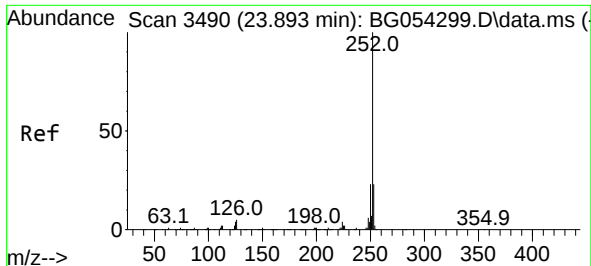


#88
 Benzo(b)fluoranthene
 Concen: 205.369 ng
 RT: 23.894 min Scan# 3490
 Delta R.T. 0.072 min
 Lab File: BG054335.D
 Acq: 20 Jul 2022 20:13



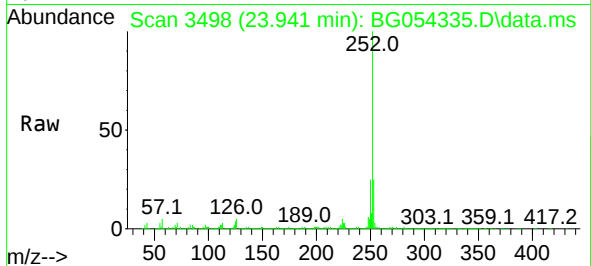
Tgt Ion:252 Resp: 2434661
 Ion Ratio Lower Upper
 252 100
 253 24.6 18.0 27.0
 125 4.5 4.6 6.8#





#89
Benzo(k)fluoranthene
Concen: 69.711 ng m
RT: 23.941 min Scan# 3490
Delta R.T. 0.048 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

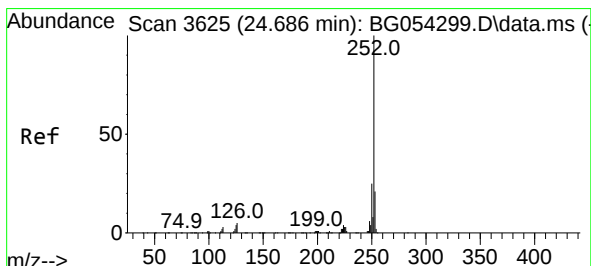
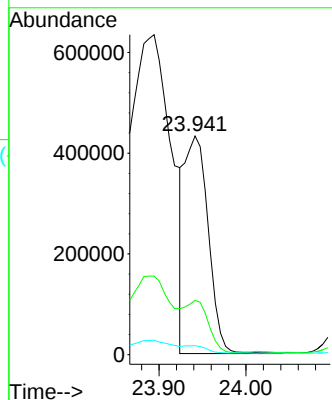
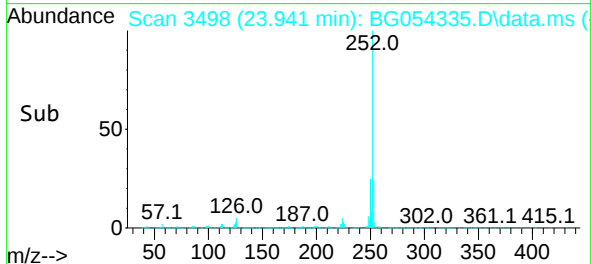
Instrument :
BNA_G
ClientSampleId :
72-11966



Tgt Ion:252 Resp: 822470
Ion Ratio Lower Upper
252 100
253 24.8 18.4 27.6
125 4.1 4.8 7.2

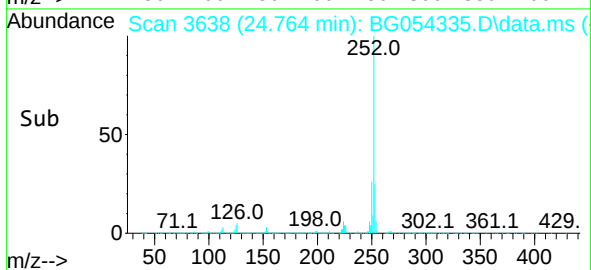
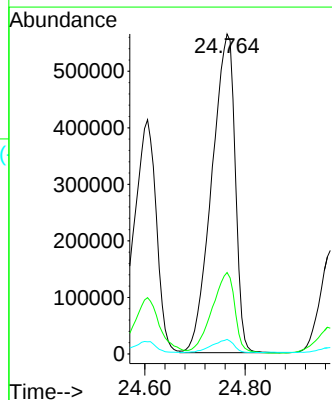
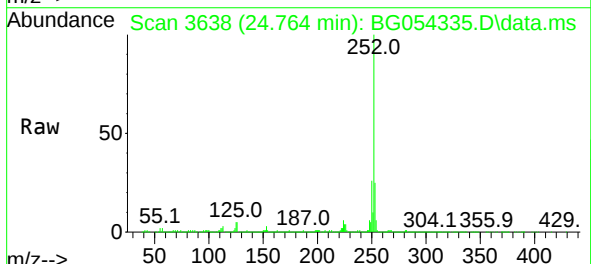
Manual Integrations
APPROVED

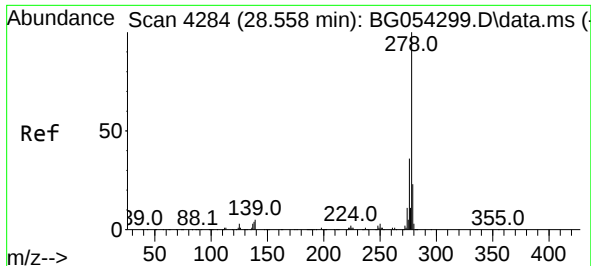
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022



#90
Benzo(a)pyrene
Concen: 179.846 ng
RT: 24.764 min Scan# 3638
Delta R.T. 0.078 min
Lab File: BG054335.D
Acq: 20 Jul 2022 20:13

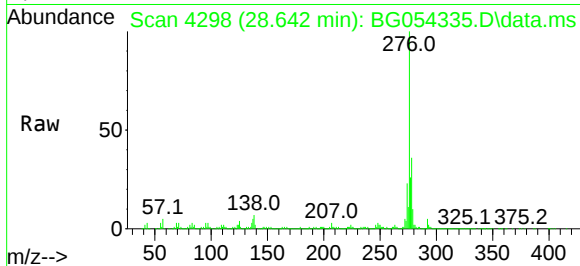
Tgt Ion:252 Resp: 1820816
Ion Ratio Lower Upper
252 100
253 25.5 17.8 26.8
125 4.6 4.3 6.5





#91
 Dibenzo(a,h)anthracene
 Concen: 25.951 ng m
 RT: 28.642 min Scan# 41
 Delta R.T. 0.084 min
 Lab File: BG054335.D
 Acq: 20 Jul 2022 20:13

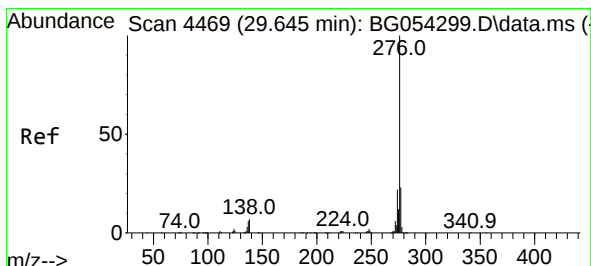
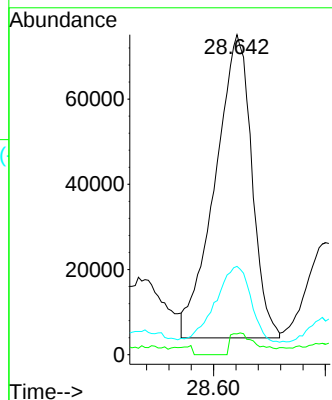
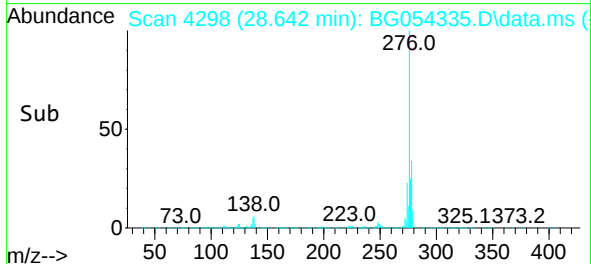
Instrument :
 BNA_G
 ClientSampleId :
 72-11966



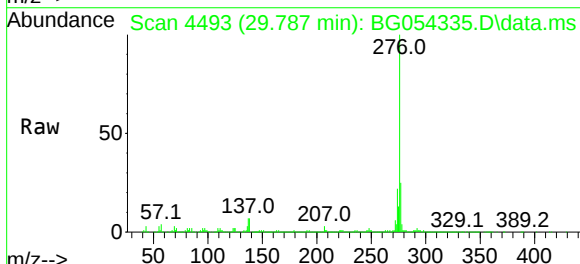
Tgt Ion:278 Resp: 32542
 Ion Ratio Lower Upper
 278 100
 139 6.5 7.2 10.8
 279 27.6 18.6 27.8

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 07/21/2022
 Supervised By :Jagrut Upadhyay 07/21/2022



#92
 Benzo(g,h,i)perylene
 Concen: 119.981 ng
 RT: 29.787 min Scan# 4493
 Delta R.T. 0.142 min
 Lab File: BG054335.D
 Acq: 20 Jul 2022 20:13



Tgt Ion:276 Resp: 1484942
 Ion Ratio Lower Upper
 276 100
 277 25.2 17.3 25.9
 138 6.7 9.6 14.4#

