

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070122\
 Data File : BG054193.D
 Acq On : 1 Jul 2022 16:16
 Operator : CG/JU
 Sample : N3558-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11998

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 07/05/2022
 Supervised By : Jagrut Upadhyay 07/05/2022

Quant Time: Jul 01 23:34:36 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 00:27:54 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.065	152	17654	20.000	ng	0.00	
21) Naphthalene-d8	10.874	136	73671	20.000	ng	# 0.00	
39) Acenaphthene-d10	14.693	164	60061	20.000	ng	0.00	
64) Phenanthrene-d10	17.437	188	151032	20.000	ng	# 0.00	
76) Chrysene-d12	21.714	240	157215	20.000	ng	0.00	
86) Perylene-d12	24.975	264	168346	20.000	ng	0.01	
System Monitoring Compounds							
5) 2-Fluorophenol	5.633	112	79755	86.374	ng	0.00	
7) Phenol-d6	7.225	99	113892	90.923	ng	0.00	
23) Nitrobenzene-d5	9.223	82	78124	59.593	ng	-0.01	
42) 2,4,6-Tribromophenol	16.179	330	97801	101.350	ng	0.00	
45) 2-Fluorobiphenyl	13.318	172	246248	59.619	ng	0.00	
79) Terphenyl-d14	20.045	244	491322	62.943	ng	0.00	
Target Compounds							Qvalue
31) Naphthalene	10.927	128	12540	3.372	ng		97
37) 2-Methylnaphthalene	12.525	142	6985	2.538	ng		89
52) Acenaphthene	14.758	154	12856	3.831	ng		97
55) Dibenzofuran	15.087	168	30107	5.568	ng		94
58) Fluorene	15.739	166	29588	6.665	ng		98
70) Pentachlorophenol	17.090	266	6408	6.393	ng	#	84
71) Phenanthrene	17.478	178	120159	15.485	ng		98
75) Fluoranthene	19.487	202	196465	19.287	ng		95
78) Pyrene	19.852	202	152190	16.028	ng		99
81) Benzo(a)anthracene	21.696	228	68613	6.740	ng		97
83) Chrysene	21.761	228	94825	9.773	ng		99
84) Bis(2-ethylhexyl)phtha...	21.591	149	9512	2.185	ng	#	85
87) Indeno(1,2,3-cd)pyrene	28.682	276	34057	2.681	ng	#	97
88) Benzo(b)fluoranthene	23.935	252	110659	10.811	ng	#	97
89) Benzo(k)fluoranthene	24.000	252	37691m	3.719	ng		
90) Benzo(a)pyrene	24.822	252	43153	4.997	ng	#	92
92) Benzo(g,h,i)perylene	29.852	276	29329	2.829	ng		99

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

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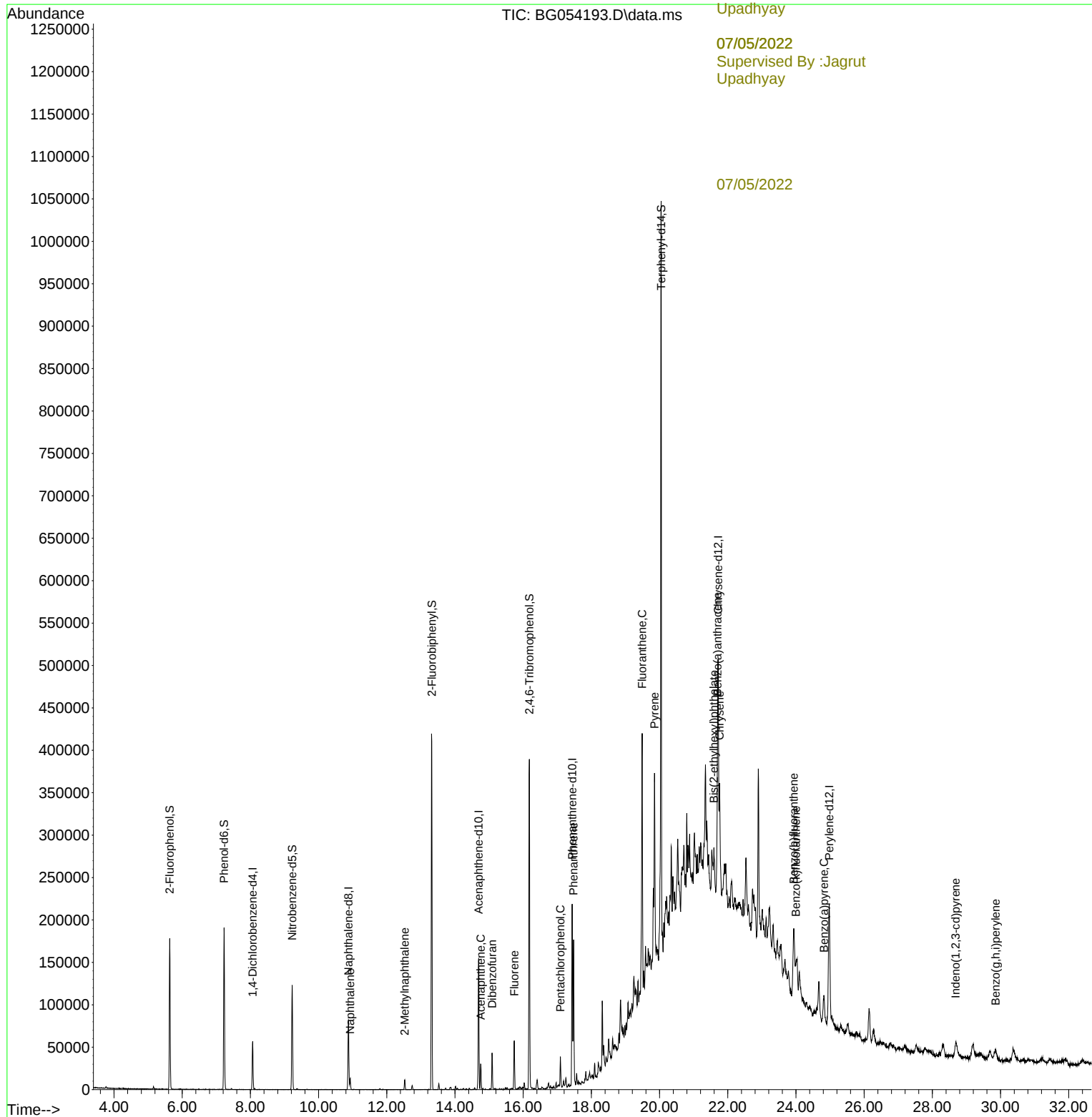
Manual Integrations
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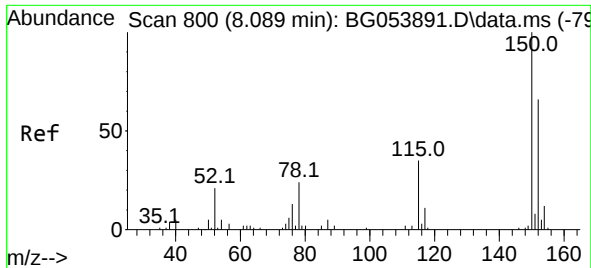
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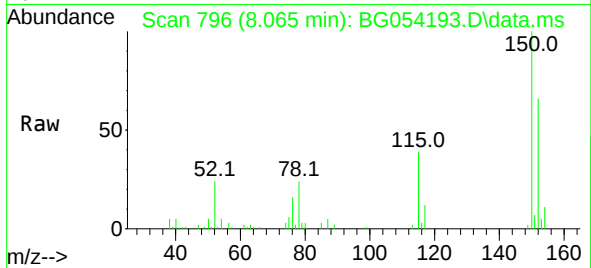
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.065 min Scan# 796
Delta R.T. -0.005 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

Instrument :
BNA_G
ClientSampleId :
72-11998



Tgt Ion:152 Resp: 17654
Ion Ratio Lower Upper
152 100
150 151.5 131.6 197.4
115 58.8 50.9 76.3

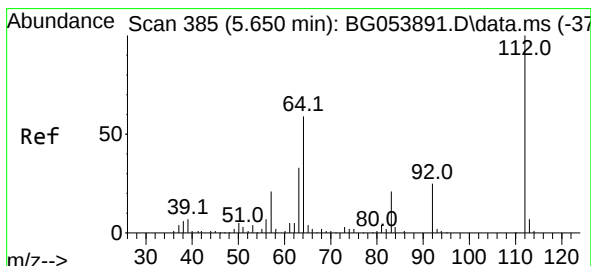
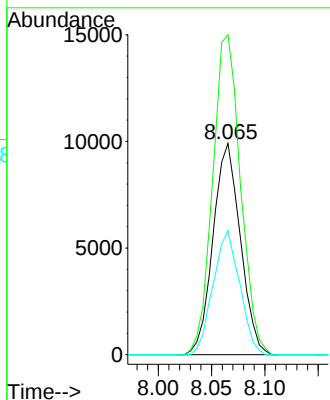
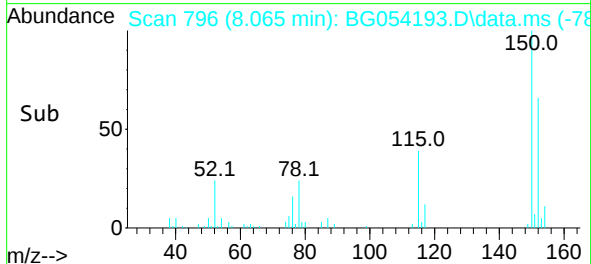
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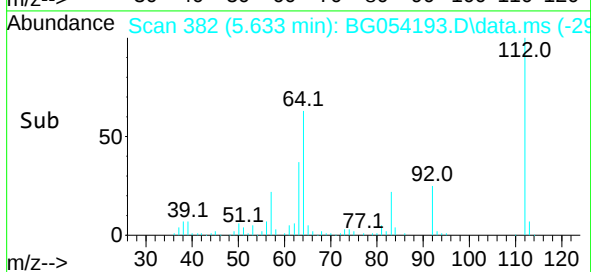
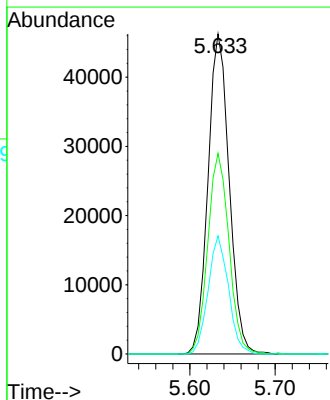
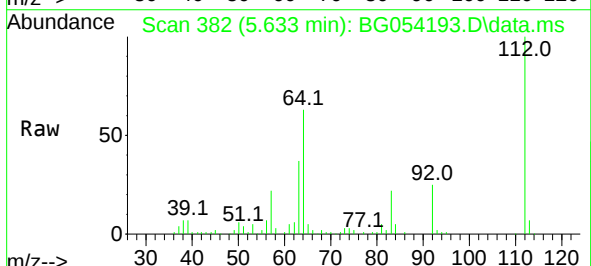
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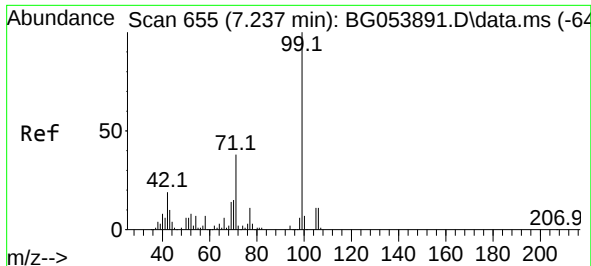
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#5
2-Fluorophenol
Concen: 86.374 ng
RT: 5.633 min Scan# 382
Delta R.T. -0.005 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

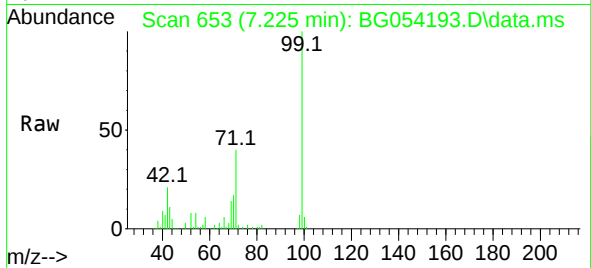
Tgt Ion:112 Resp: 79755
Ion Ratio Lower Upper
112 100
64 62.6 55.1 82.7
63 36.9 30.4 45.6





#7
Phenol-d6
Concen: 90.923 ng
RT: 7.225 min Scan# 61
Delta R.T. -0.005 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

Instrument :
BNA_G
ClientSampleId :
72-11998



Tgt Ion: 99 Resp: 113892
Ion Ratio Lower Upper
99 100
42 21.0 17.0 25.6
71 40.3 33.8 50.8

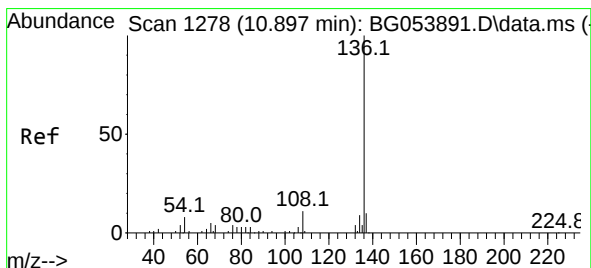
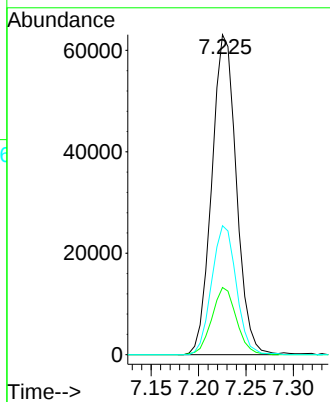
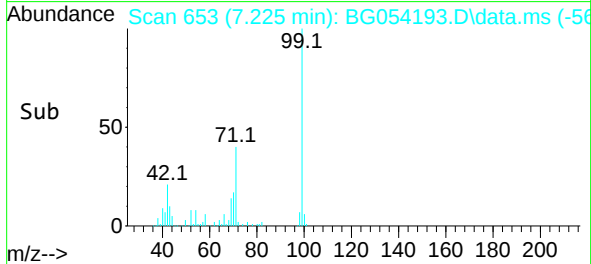
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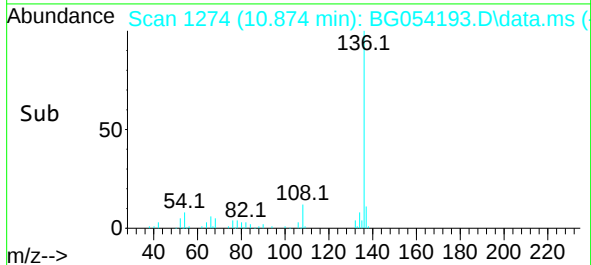
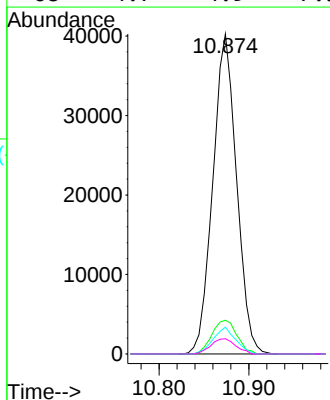
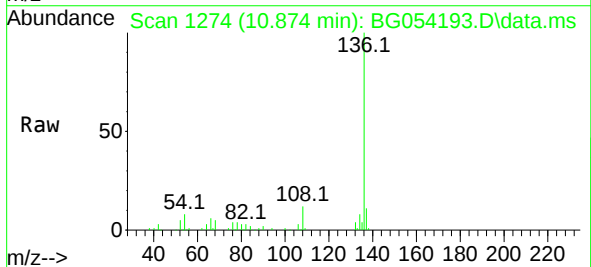
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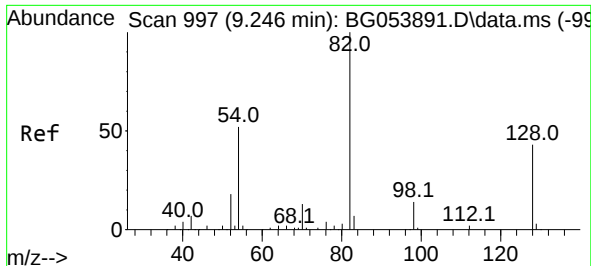
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.874 min Scan# 1274
Delta R.T. -0.005 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

Tgt Ion:136 Resp: 73671
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 8.4 7.4 11.2
68 4.7 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 59.593 ng
RT: 9.223 min Scan# 997
Delta R.T. -0.011 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

Instrument :

BNA_G

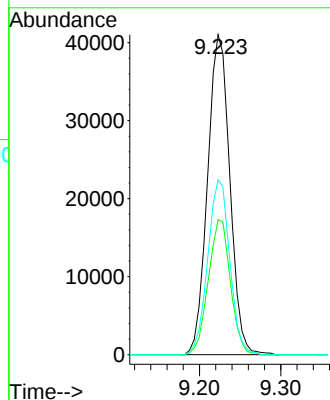
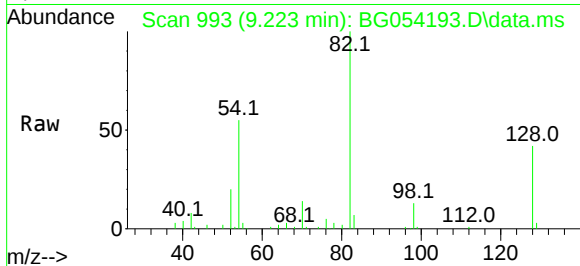
ClientSampleId :

72-11998

Tgt Ion: 82 Resp: 78124
Ion Ratio Lower Upper
82 100
128 42.2 27.9 41.9
54 54.7 41.2 61.8

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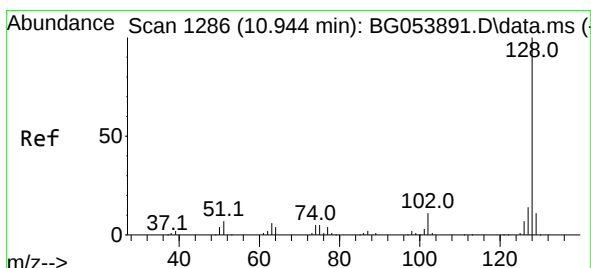
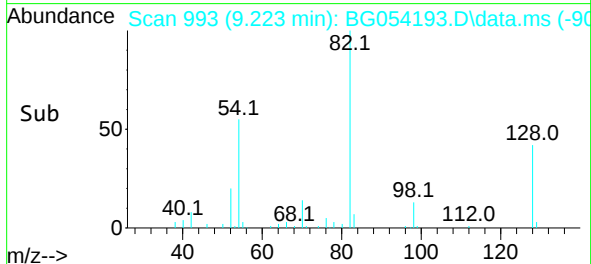
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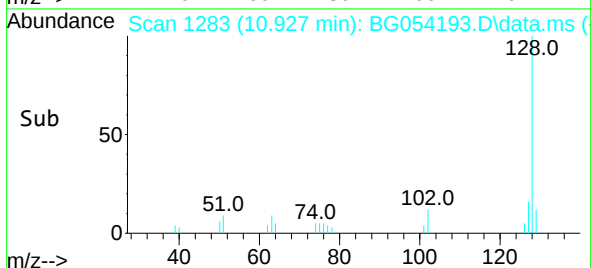
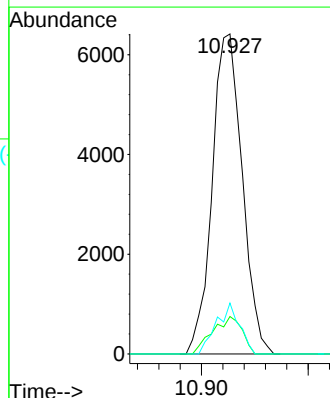
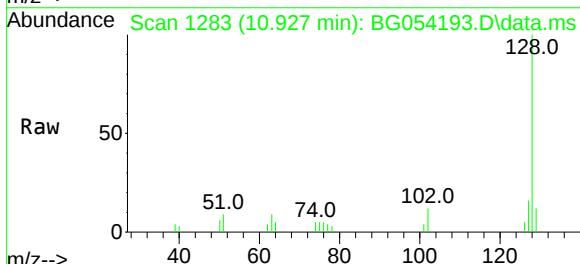
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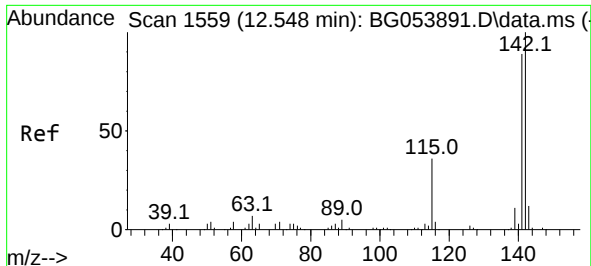
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#31
Naphthalene
Concen: 3.372 ng
RT: 10.927 min Scan# 1283
Delta R.T. -0.005 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

Tgt Ion:128 Resp: 12540
Ion Ratio Lower Upper
128 100
129 11.7 9.0 13.6
127 15.9 11.1 16.7





#37

2-Methylnaphthalene

Concen: 2.538 ng

RT: 12.525 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG054193.D

Acq: 1 Jul 2022 16:16

Instrument :

BNA_G

ClientSampleId :

72-11998

Tgt Ion:142 Resp: 698

Ion Ratio Lower Upper

142 100

141 77.2 72.3 108.5

115 38.6 33.7 50.5

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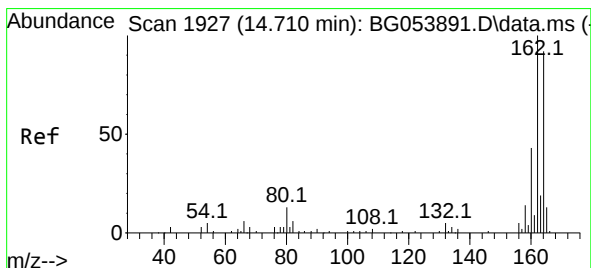
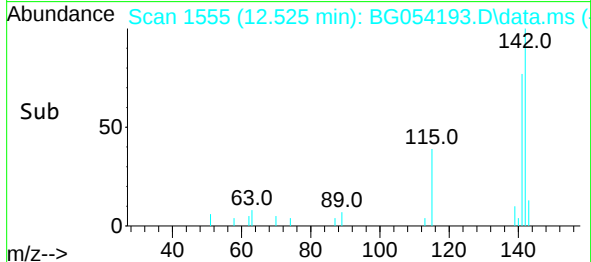
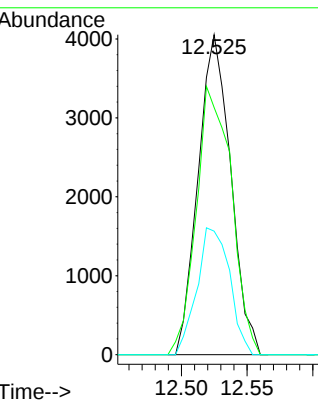
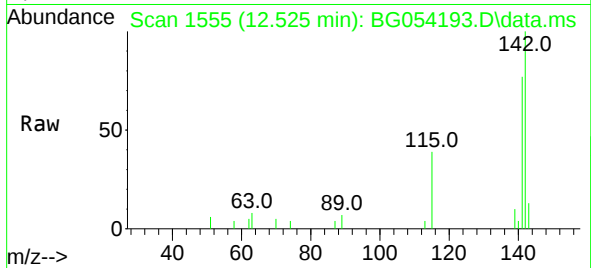
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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.693 min Scan# 1924

Delta R.T. -0.005 min

Lab File: BG054193.D

Acq: 1 Jul 2022 16:16

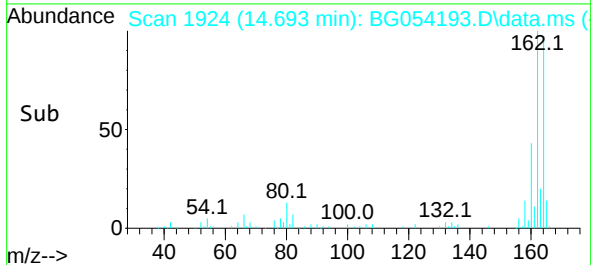
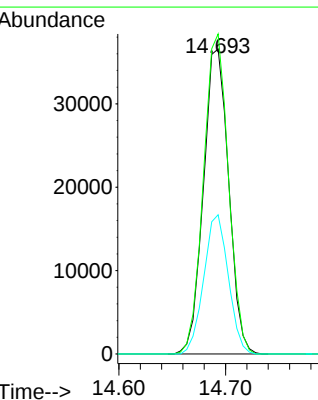
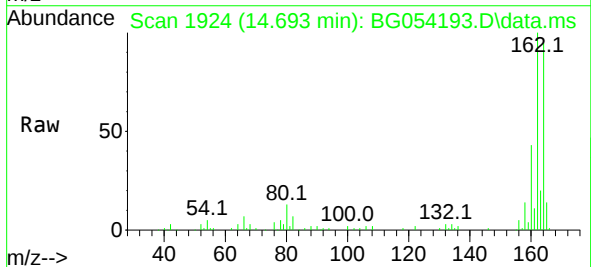
Tgt Ion:164 Resp: 60061

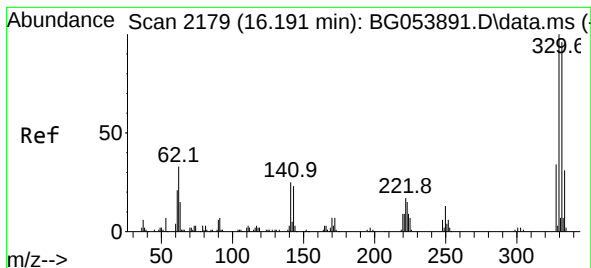
Ion Ratio Lower Upper

164 100

162 104.9 82.3 123.5

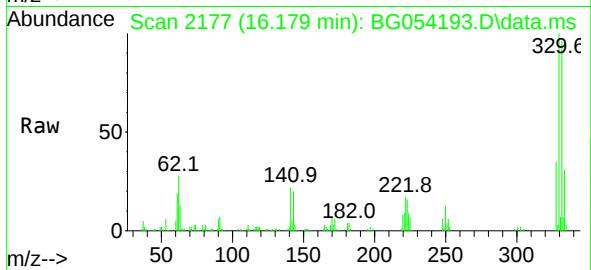
160 45.6 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 101.350 ng
RT: 16.179 min Scan# 2179
Delta R.T. -0.005 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

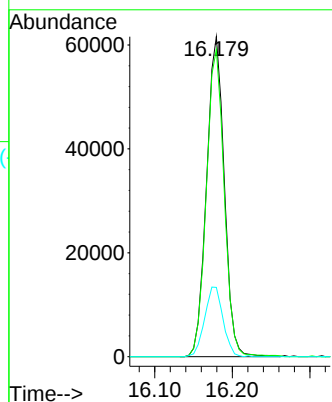
Instrument :
BNA_G
ClientSampleId :
72-11998



Tgt Ion:330 Resp: 9780
Ion Ratio Lower Upper
330 100
332 96.3 76.0 114.0
141 22.6 27.1 40.7

Manual Integrations
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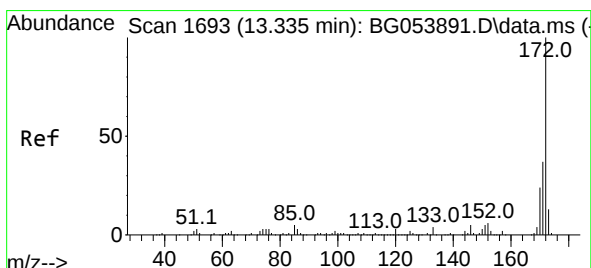
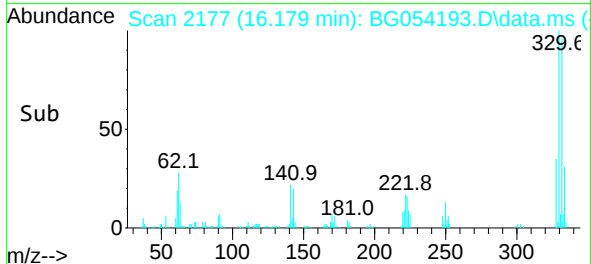
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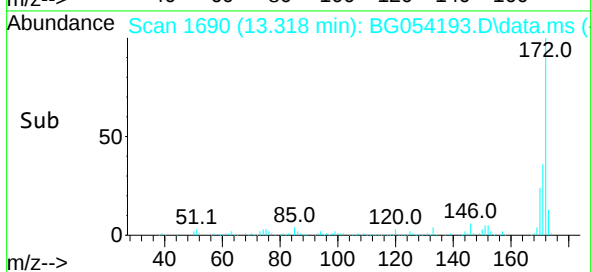
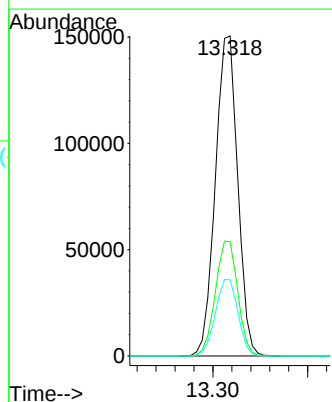
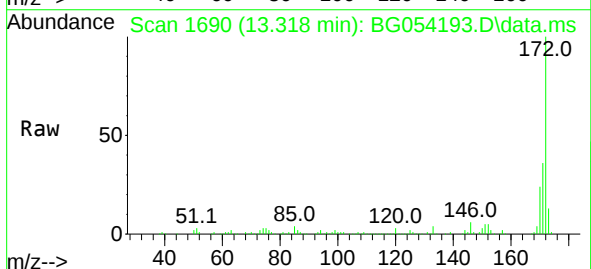
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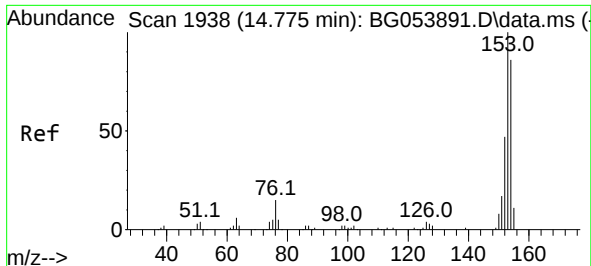
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#45
2-Fluorobiphenyl
Concen: 59.619 ng
RT: 13.318 min Scan# 1690
Delta R.T. -0.005 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

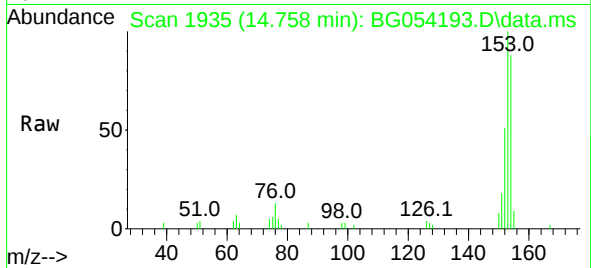
Tgt Ion:172 Resp: 246248
Ion Ratio Lower Upper
172 100
171 35.7 28.5 42.7
170 23.8 18.9 28.3





#52
Acenaphthene
Concen: 3.831 ng
RT: 14.758 min Scan# 1935
Delta R.T. -0.005 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

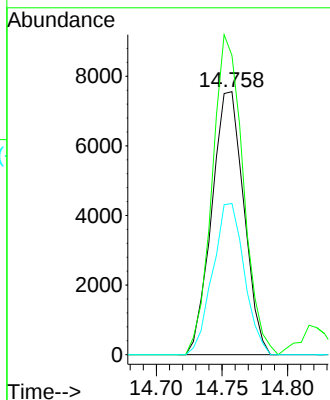
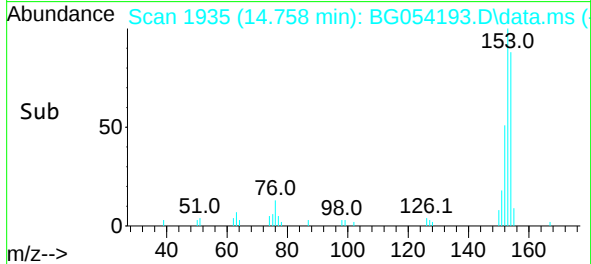
Instrument :
BNA_G
ClientSampleId :
72-11998



Tgt Ion:154 Resp: 12850
Ion Ratio Lower Upper
154 100
153 113.7 92.7 139.1
152 57.5 42.6 64.0

Manual Integrations
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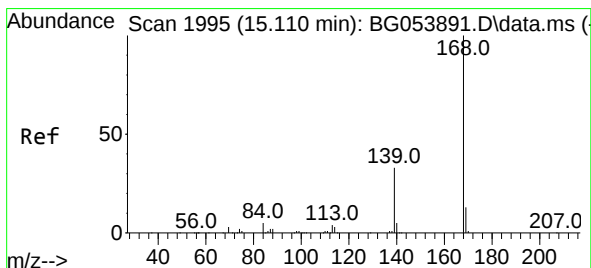
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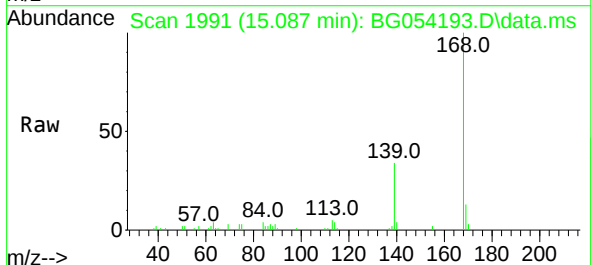
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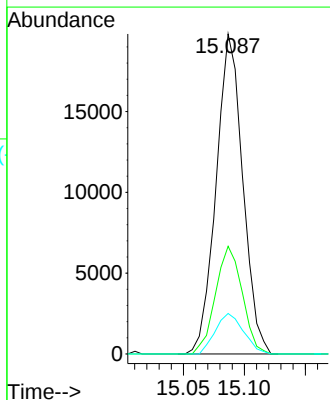
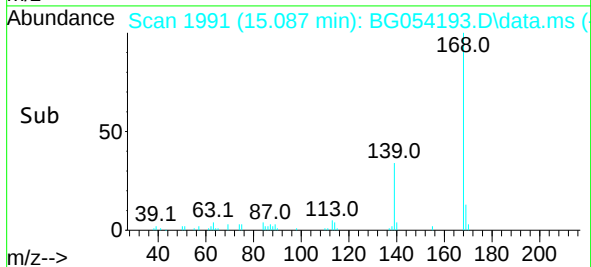
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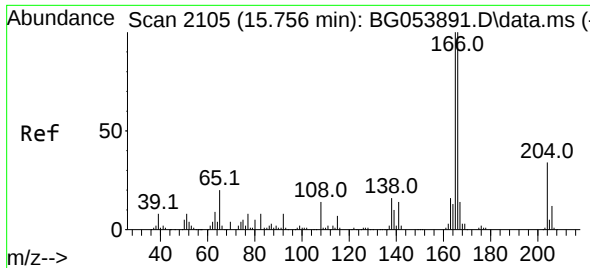


#55
Dibenzofuran
Concen: 5.568 ng
RT: 15.087 min Scan# 1991
Delta R.T. -0.005 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16



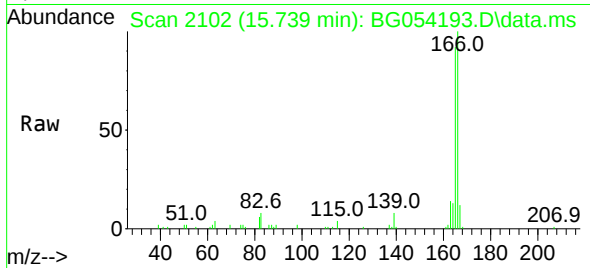
Tgt Ion:168 Resp: 30107
Ion Ratio Lower Upper
168 100
139 33.6 30.5 45.7
169 12.6 10.3 15.5





#58
Fluorene
Concen: 6.665 ng
RT: 15.739 min Scan# 2105
Delta R.T. -0.005 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

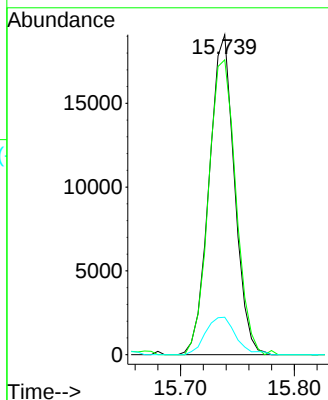
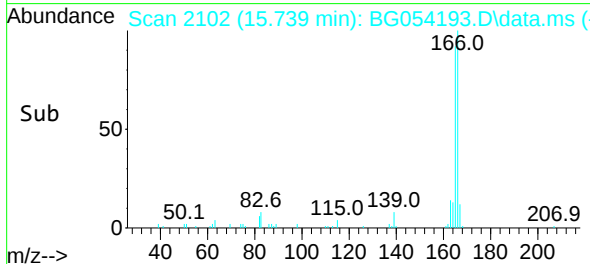
Instrument :
BNA_G
ClientSampleId :
72-11998



Tgt Ion:166 Resp: 29588
Ion Ratio Lower Upper
166 100
165 92.2 75.0 112.6
167 11.7 10.8 16.2

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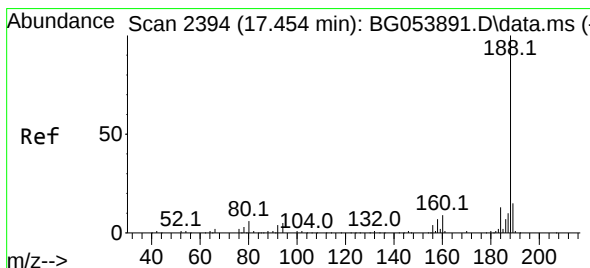
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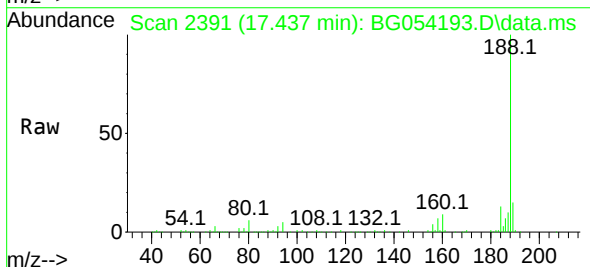
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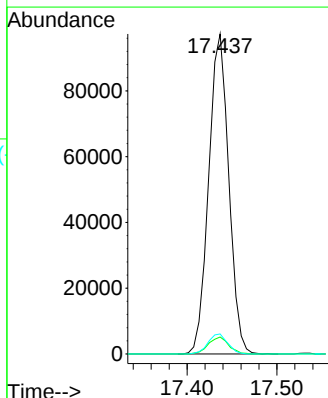
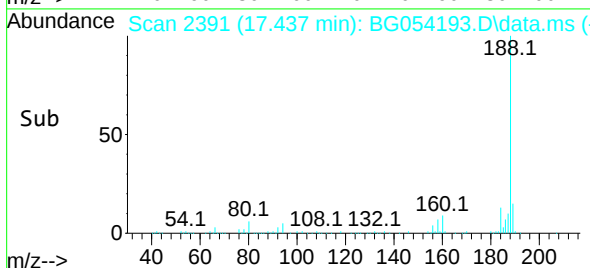
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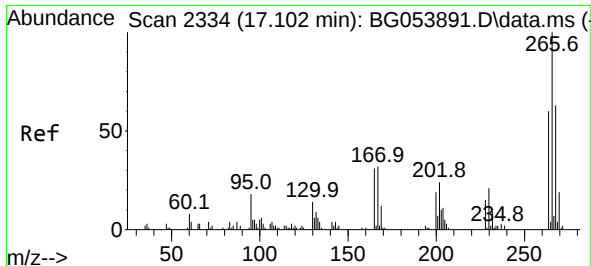


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.437 min Scan# 2391
Delta R.T. -0.005 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16



Tgt Ion:188 Resp: 151032
Ion Ratio Lower Upper
188 100
94 5.3 5.4 8.0#
80 6.2 6.8 10.2#





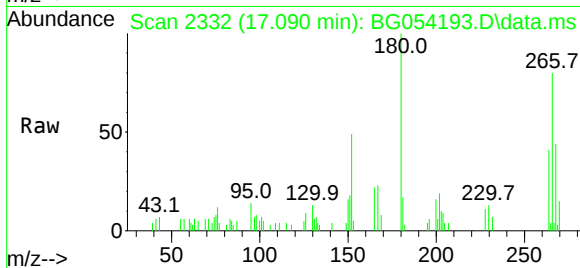
#70
Pentachlorophenol
Concen: 6.393 ng
RT: 17.090 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

Instrument :

BNA_G

ClientSampleId :

72-11998



Tgt Ion:266 Resp: 6408
Ion Ratio Lower Upper
266 100
268 59.3 56.2 84.2
264 51.1 53.0 79.4

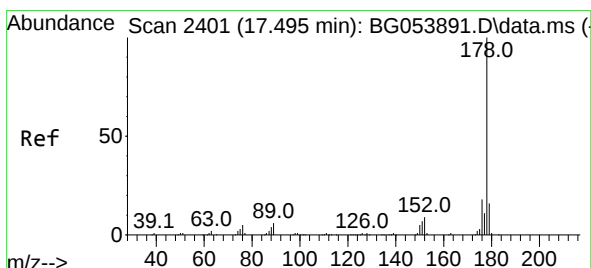
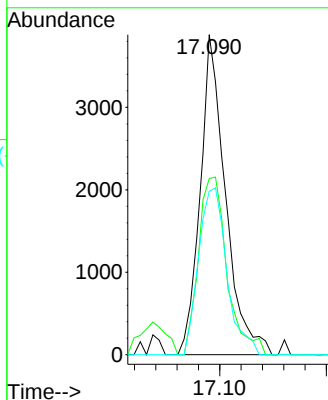
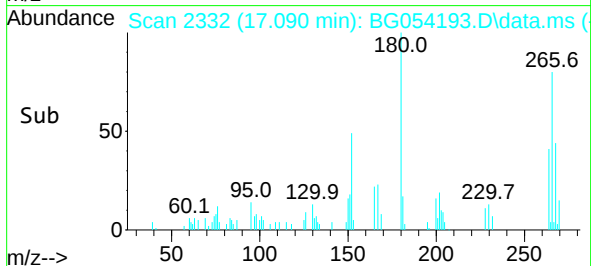
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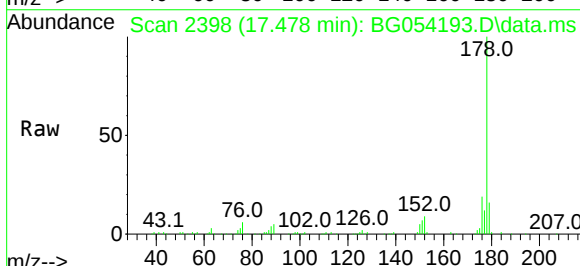
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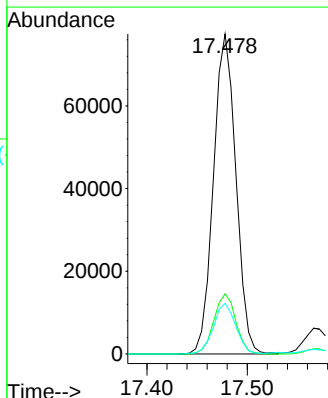
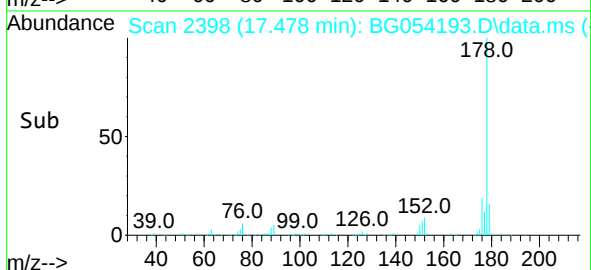
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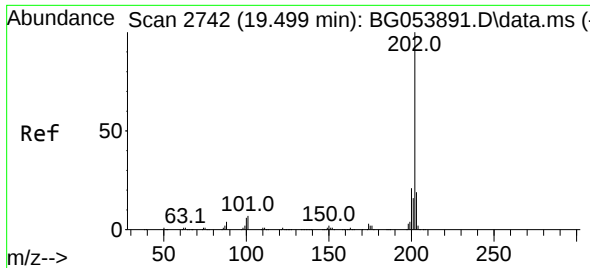


#71
Phenanthrene
Concen: 15.485 ng
RT: 17.478 min Scan# 2398
Delta R.T. -0.005 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16



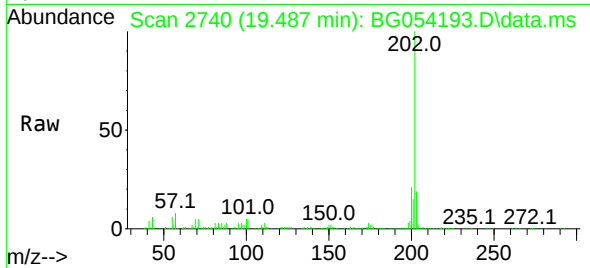
Tgt Ion:178 Resp: 120159
Ion Ratio Lower Upper
178 100
176 18.8 14.1 21.1
179 15.8 12.1 18.1





#75
Fluoranthene
Concen: 19.287 ng
RT: 19.487 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

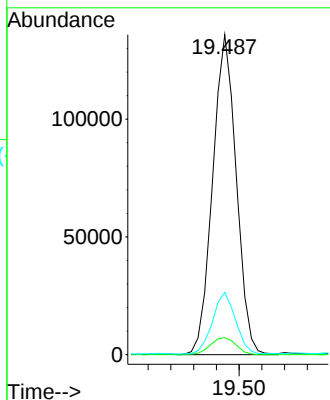
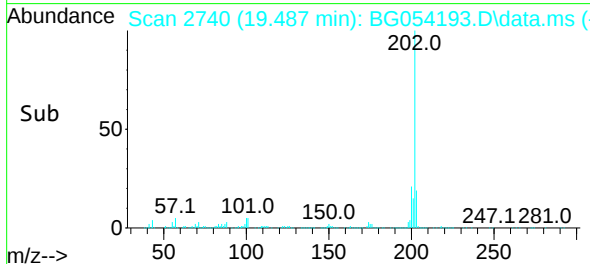
Instrument :
BNA_G
ClientSampleId :
72-11998



Tgt Ion:202 Resp: 19646
Ion Ratio Lower Upper
202 100
101 5.3 0.0 26.9
203 19.5 0.0 37.2

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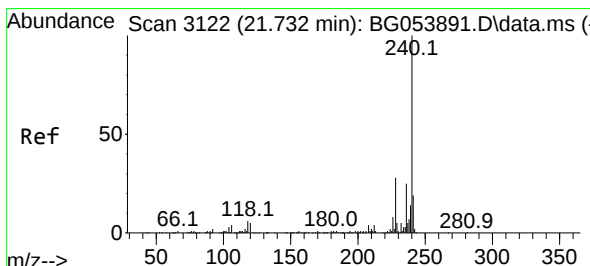
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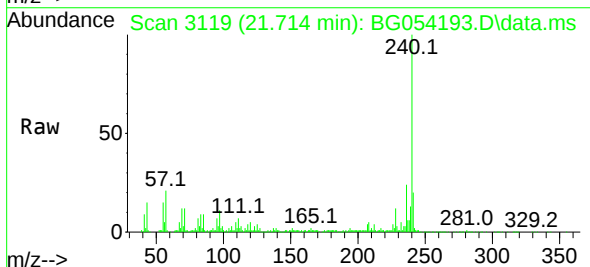
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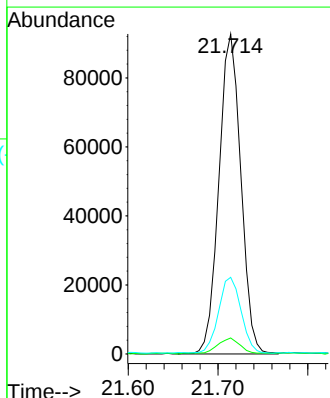
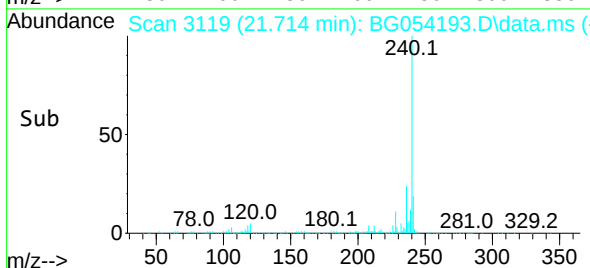
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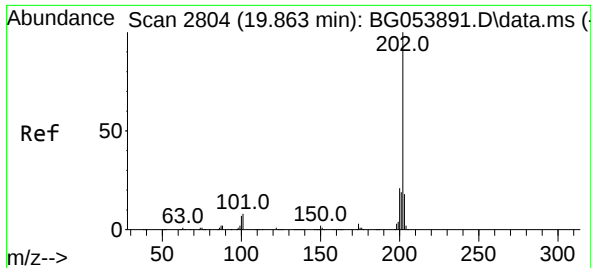


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.714 min Scan# 3119
Delta R.T. -0.005 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16



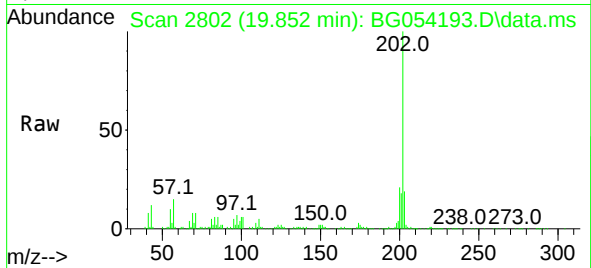
Tgt Ion:240 Resp: 157215
Ion Ratio Lower Upper
240 100
120 5.0 4.6 7.0
236 23.9 20.2 30.4





#78
Pyrene
Concen: 16.028 ng
RT: 19.852 min Scan# 2802
Delta R.T. 0.001 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

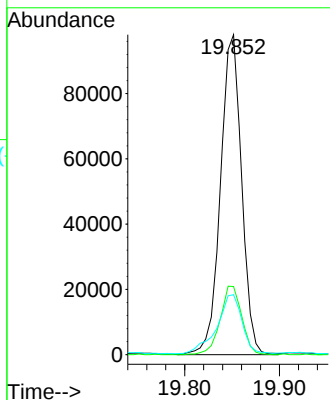
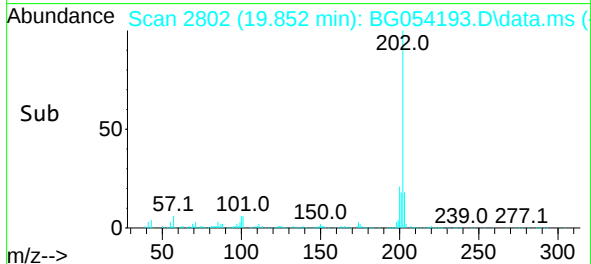
Instrument :
BNA_G
ClientSampleId :
72-11998



Tgt Ion:202 Resp: 152190
Ion Ratio Lower Upper
202 100
200 21.3 16.6 24.8
203 18.7 14.6 21.8

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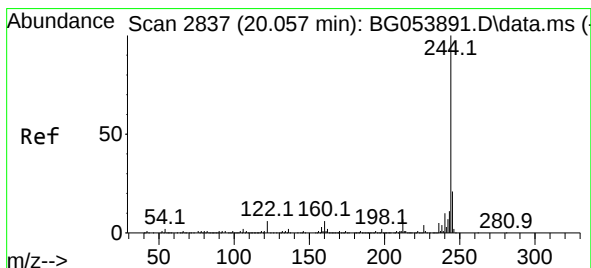
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022



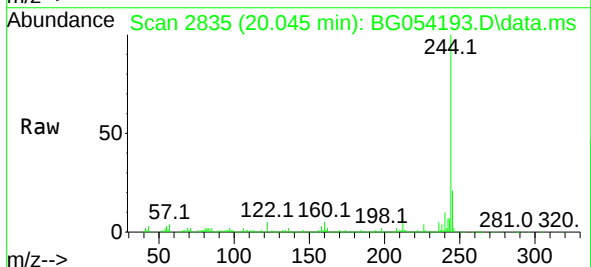
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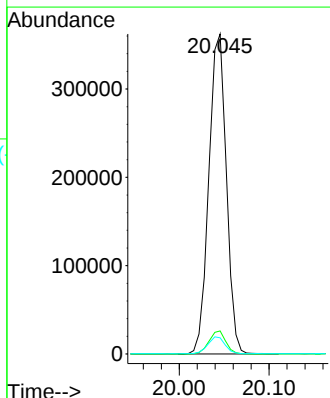
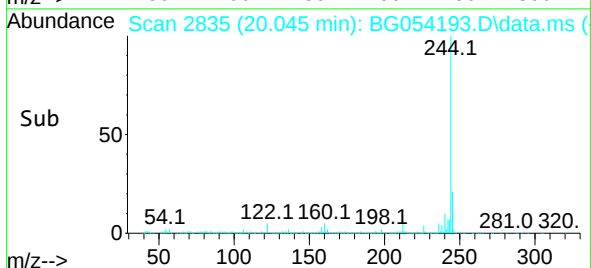
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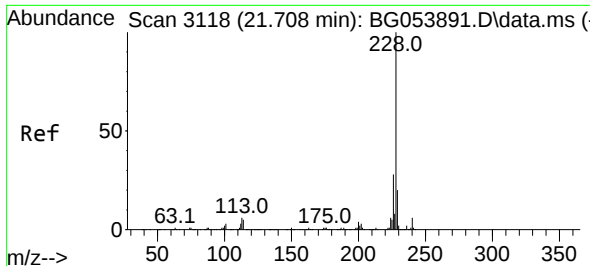


#79
Terphenyl-d14
Concen: 62.943 ng
RT: 20.045 min Scan# 2835
Delta R.T. 0.001 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16



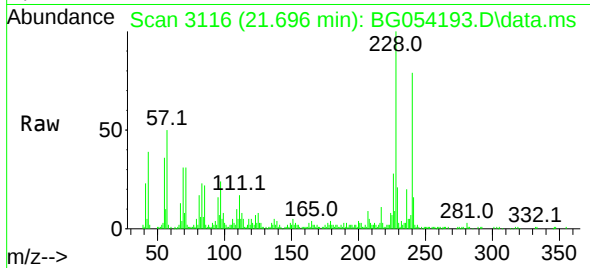
Tgt Ion:244 Resp: 491322
Ion Ratio Lower Upper
244 100
212 7.2 6.5 9.7
122 5.0 5.0 7.4





#81
Benzo(a)anthracene
Concen: 6.740 ng
RT: 21.696 min Scan# 3116
Delta R.T. 0.001 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

Instrument :
BNA_G
ClientSampleId :
72-11998



Tgt Ion:228 Resp: 6861
Ion Ratio Lower Upper
228 100
226 28.3 21.6 32.4
229 21.4 16.2 24.2

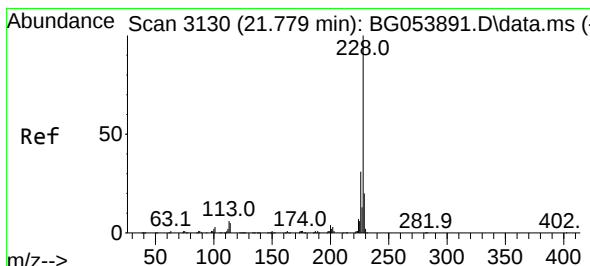
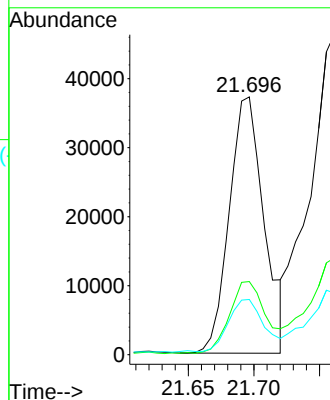
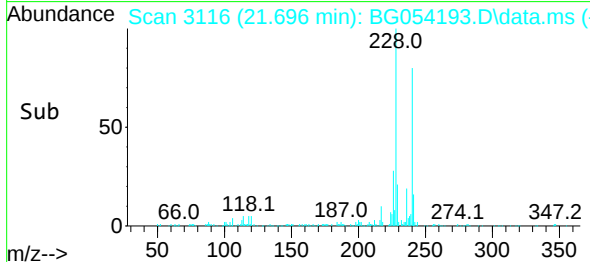
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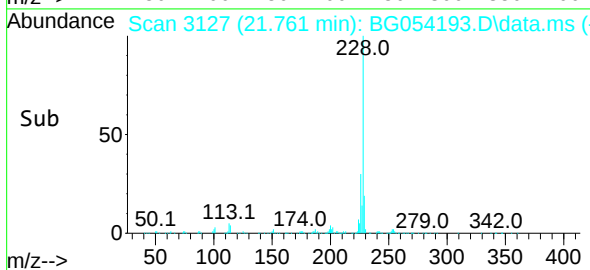
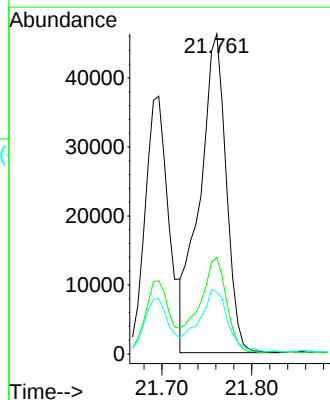
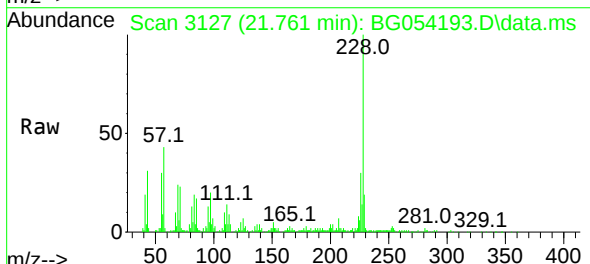
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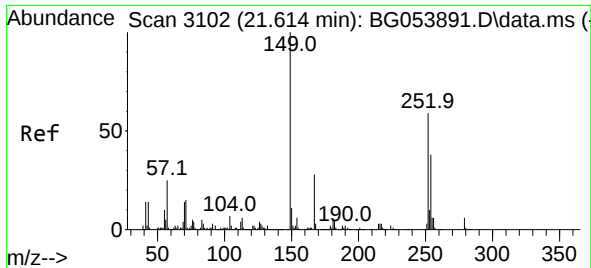
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#83
Chrysene
Concen: 9.773 ng
RT: 21.761 min Scan# 3127
Delta R.T. 0.001 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

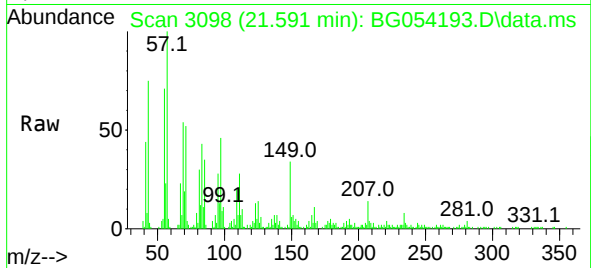
Tgt Ion:228 Resp: 94825
Ion Ratio Lower Upper
228 100
226 30.1 23.4 35.2
229 19.3 15.5 23.3





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.185 ng
RT: 21.591 min Scan# 3098
Delta R.T. -0.011 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

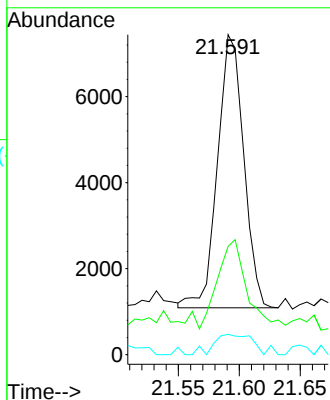
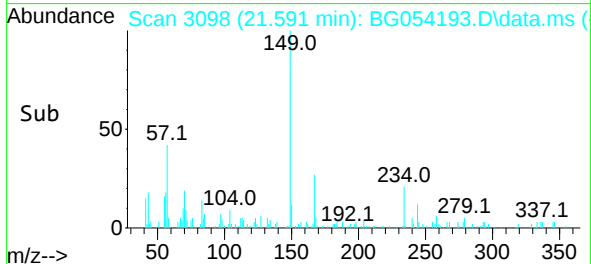
Instrument :
BNA_G
ClientSampleId :
72-11998



Tgt Ion:149 Resp: 9512
Ion Ratio Lower Upper
149 100
167 33.9 20.2 30.4
279 6.3 3.6 5.4

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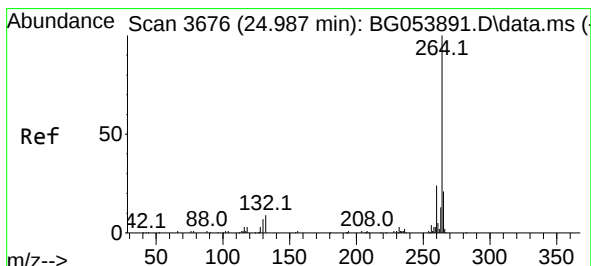
Reviewed By :Christian Giraldo 07/05/2022
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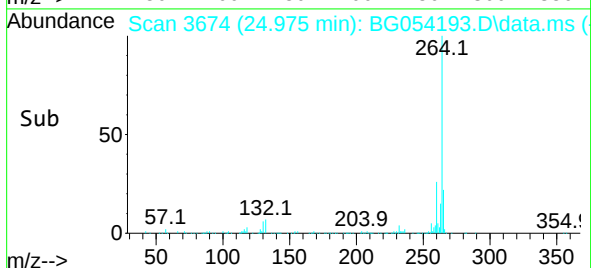
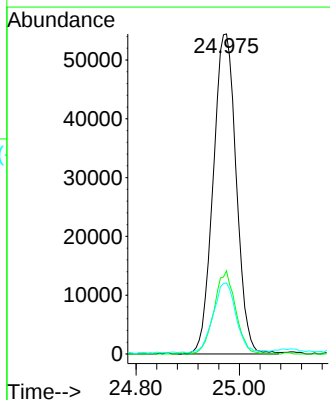
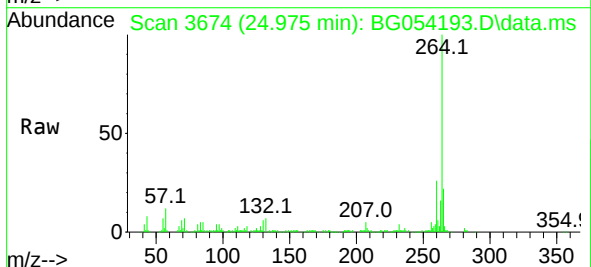
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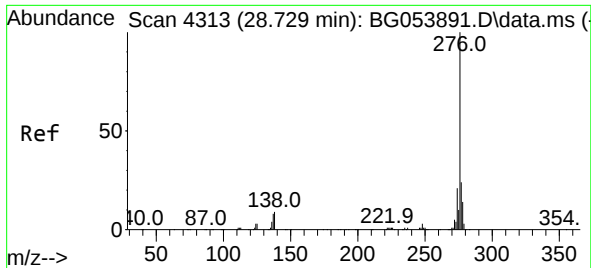
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#86
Perylene-d12
Concen: 20.000 ng
RT: 24.975 min Scan# 3674
Delta R.T. 0.013 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

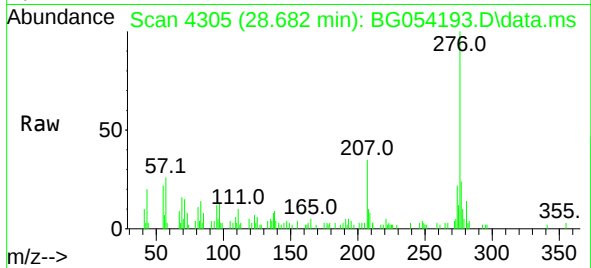
Tgt Ion:264 Resp: 168346
Ion Ratio Lower Upper
264 100
260 26.0 19.0 28.6
265 22.2 17.4 26.2





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.681 ng
 RT: 28.682 min Scan# 41
 Delta R.T. -0.005 min
 Lab File: BG054193.D
 Acq: 1 Jul 2022 16:16

Instrument :
 BNA_G
 ClientSampleId :
 72-11998



Tgt Ion: 276 Resp: 3405
 Ion Ratio Lower Upper
 276 100
 138 2.8 5.0 7.4
 277 26.0 20.3 30.5

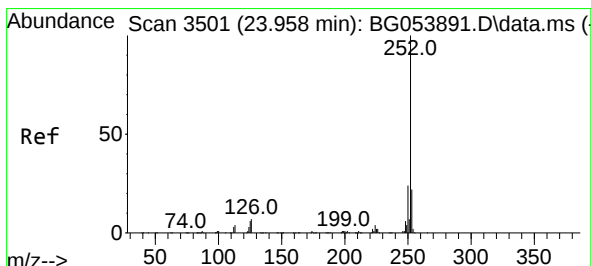
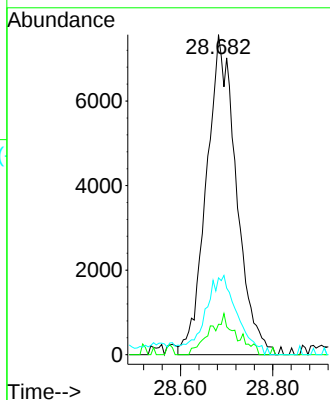
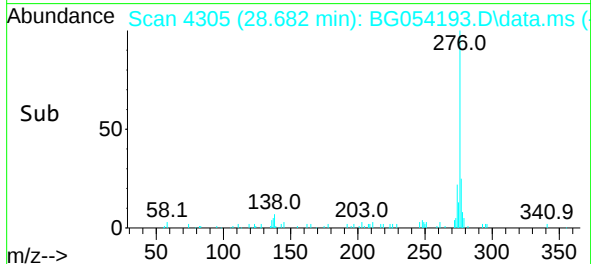
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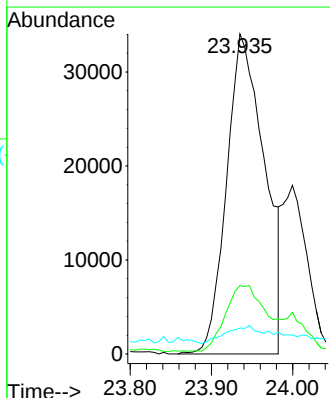
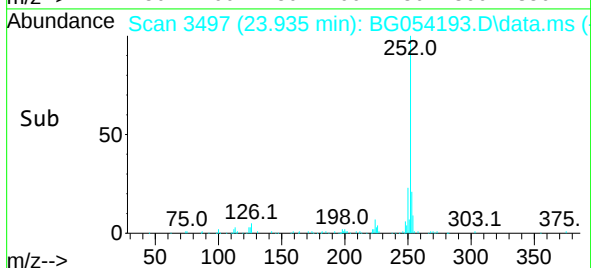
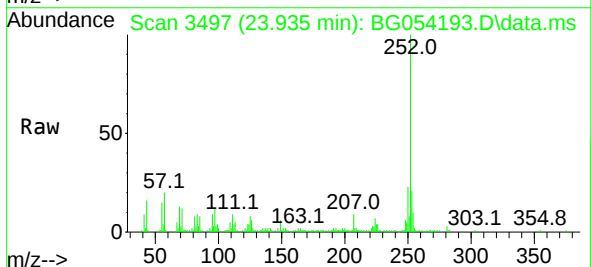
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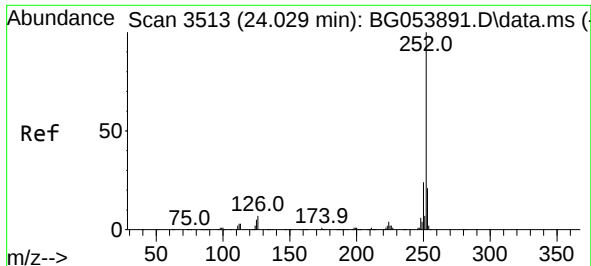
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#88
 Benzo(b)fluoranthene
 Concen: 10.811 ng
 RT: 23.935 min Scan# 3497
 Delta R.T. 0.001 min
 Lab File: BG054193.D
 Acq: 1 Jul 2022 16:16

Tgt Ion: 252 Resp: 110659
 Ion Ratio Lower Upper
 252 100
 253 21.3 18.0 27.0
 125 8.1 4.6 6.8





#89

Benzo(k)fluoranthene

Concen: 3.719 ng m

RT: 24.000 min Scan# 3

Delta R.T. -0.005 min

Lab File: BG054193.D

Acq: 1 Jul 2022 16:16

Instrument :

BNA_G

ClientSampleId :

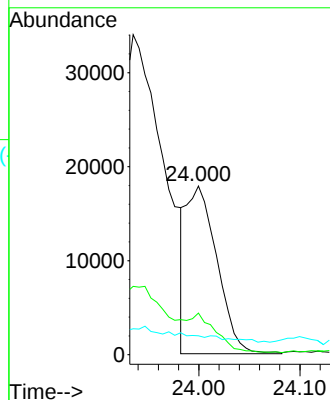
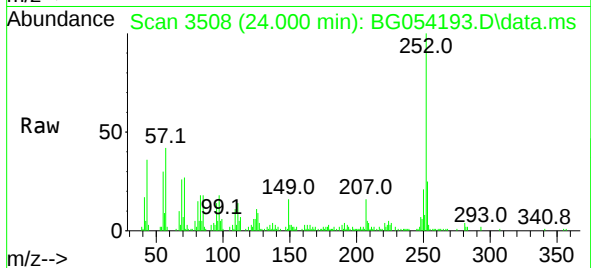
72-11998

Tgt Ion:252 Resp: 3769
 Ion Ratio Lower Upper
 252 100
 253 24.7 18.4 27.6
 125 11.3 4.8 7.2

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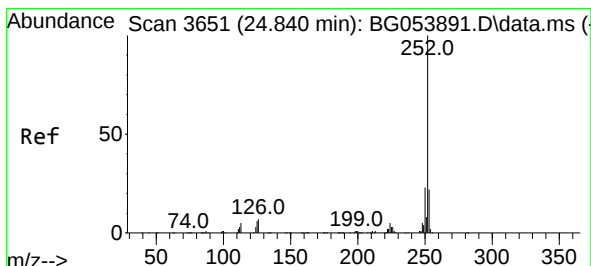
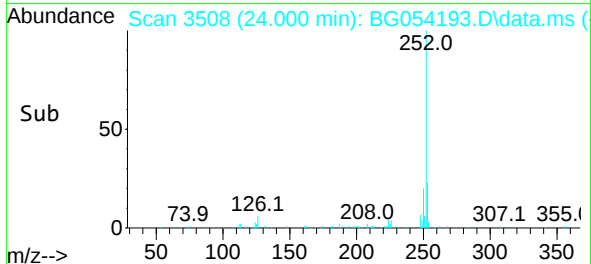
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#90

Benzo(a)pyrene

Concen: 4.997 ng

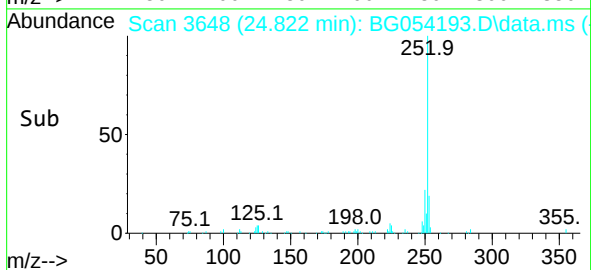
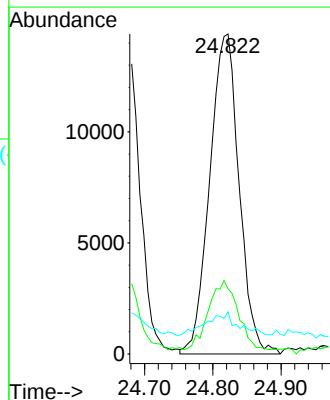
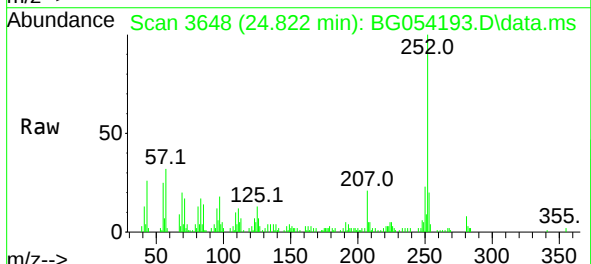
RT: 24.822 min Scan# 3648

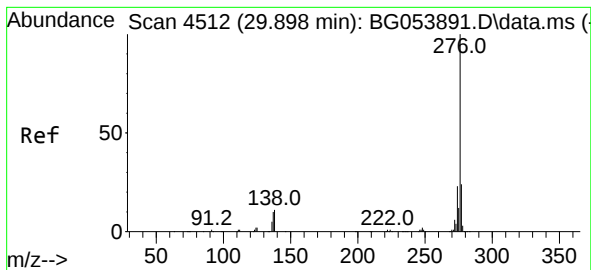
Delta R.T. 0.007 min

Lab File: BG054193.D

Acq: 1 Jul 2022 16:16

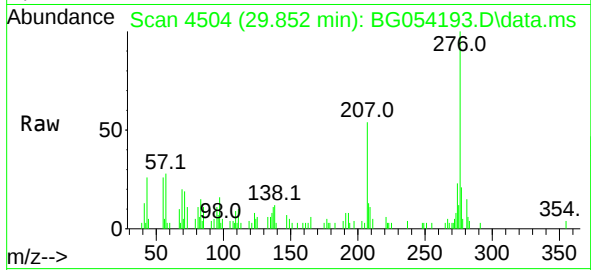
Tgt Ion:252 Resp: 43153
 Ion Ratio Lower Upper
 252 100
 253 20.3 17.8 26.8
 125 13.1 4.3 6.5





#92
Benzo(g,h,i)perylene
Concen: 2.829 ng
RT: 29.852 min Scan# 4512
Delta R.T. -0.011 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

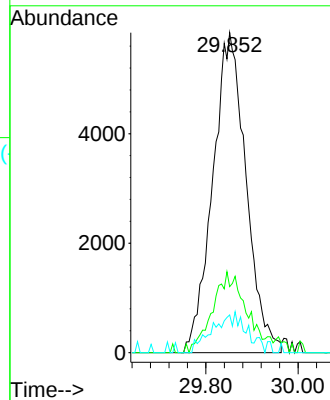
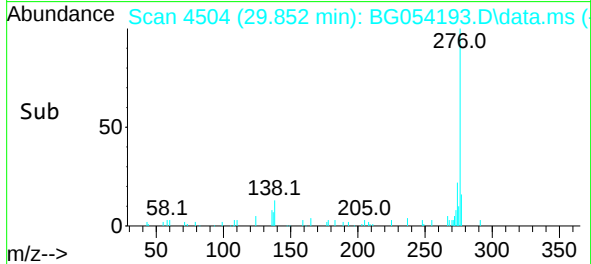
Instrument :
BNA_G
ClientSampleId :
72-11998



Tgt Ion:276 Resp: 29329
Ion Ratio Lower Upper
276 100
277 20.7 17.3 25.9
138 11.8 9.6 14.4

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 07/05/2022
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