

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101122\
 Data File : BG055135.D
 Acq On : 11 Oct 2022 20:48
 Operator : CG/JU
 Sample : N5080-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-6-101022

Quant Time: Oct 12 06:22:40 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 08 03:04:59 2022
 Response via : Initial Calibration

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

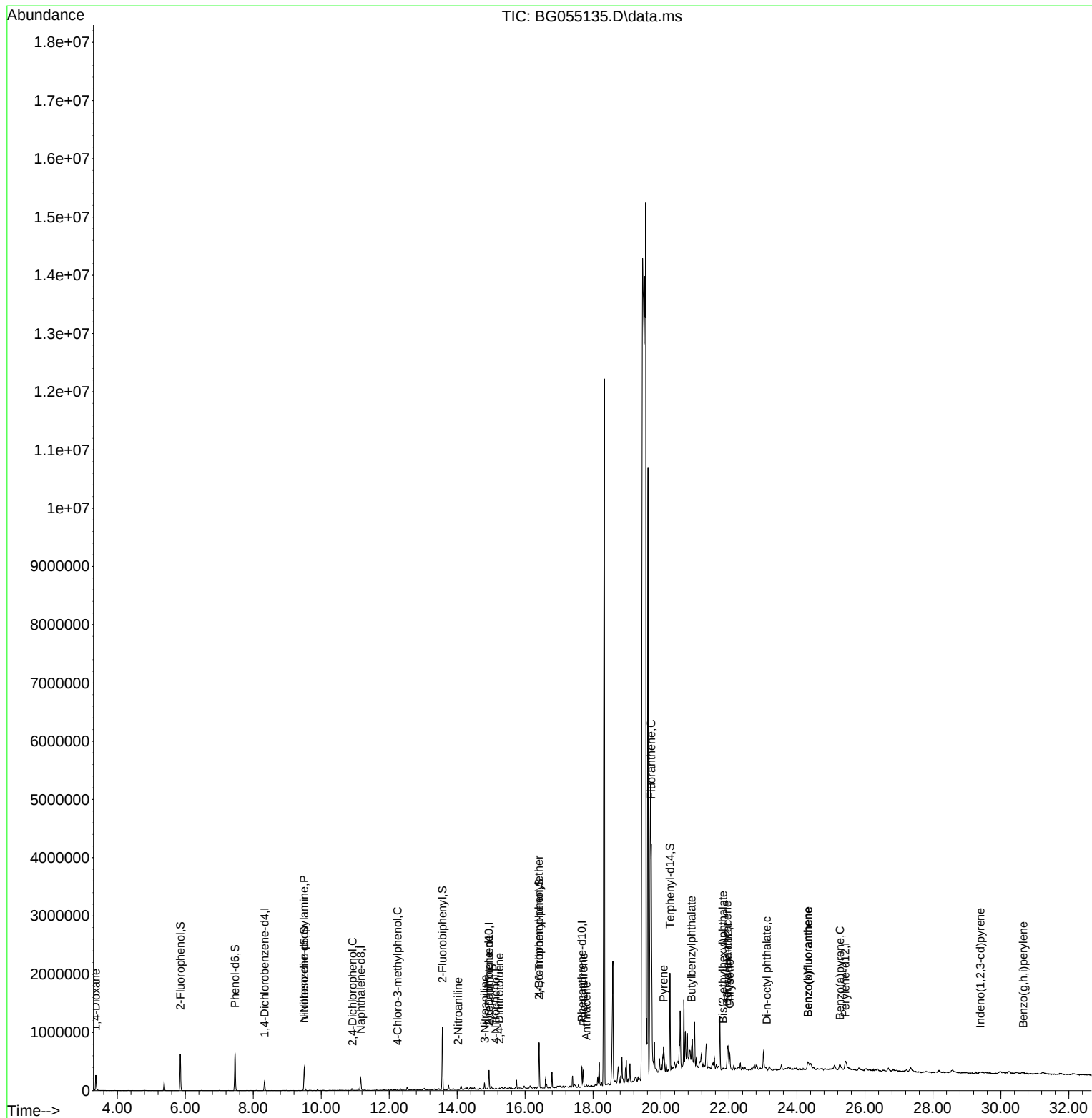
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.332	152	45249	20.000	ng	0.00
21) Naphthalene-d8	11.164	136	182973	20.000	ng	0.00
39) Acenaphthene-d10	14.936	164	112456	20.000	ng	0.00
64) Phenanthrene-d10	17.668	188	228219	20.000	ng	0.00
76) Chrysene-d12	21.975	240	220379	20.000	ng	0.00
86) Perylene-d12	25.424	264	206955	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.853	112	273808	134.404	ng	0.00
7) Phenol-d6	7.463	99	368675	120.783	ng	0.00
23) Nitrobenzene-d5	9.501	82	239946	78.360	ng	0.00
42) 2,4,6-Tribromophenol	16.417	330	167408	142.612	ng	0.00
45) 2-Fluorobiphenyl	13.567	172	549815	76.326	ng	0.00
79) Terphenyl-d14	20.265	244	771259	70.735	ng	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.367	88	2569	2.229	ng	# 1
19) n-Nitroso-di-n-propyla...	9.501	70	34777	11.762	ng	# 73
29) 2,4-Dichlorophenol	10.923	162	53	4.024	ng	# 26
36) 4-Chloro-3-methylphenol	12.245	107	150	2.947	ng	# 22
48) 2-Nitroaniline	14.025	65	374	4.278	ng	# 7
51) 2,6-Dinitrotoluene	14.936	165	17358	13.795	ng	# 16
53) 3-Nitroaniline	14.819	138	58	2.963	ng	# 85
56) 4-Nitrophenol	15.130	139	1116	5.665	ng	# 47
57) 2,4-Dinitrotoluene	15.242	165	545	3.840	ng	# 15
67) 4-Bromophenyl-phenylether	16.411	248	10671	4.421	ng	# 1
71) Phenanthrene	17.715	178	186080	15.522	ng	98
72) Anthracene	17.803	178	25953	2.226	ng	98
75) Fluoranthene	19.713	202	317475	21.228	ng	94
78) Pyrene	20.077	202	403406	27.529	ng	98
80) Butylbenzylphthalate	20.900	149	3855	5.594	ng	# 1
81) Benzo(a)anthracene	21.951	228	204250	14.590	ng	95
83) Chrysene	22.022	228	226355	16.776	ng	97
84) Bis(2-ethylhexyl)phtha...	21.822	149	3727	4.598	ng	# 48
85) Di-n-octyl phthalate	23.115	149	715	4.397	ng	# 63
87) Indeno(1,2,3-cd)pyrene	29.396	276	58575	3.922	ng	# 89
88) Benzo(b)fluoranthene	24.325	252	318236	26.098	ng	93
89) Benzo(k)fluoranthene	24.325	252	318236	25.905	ng	# 93
90) Benzo(a)pyrene	25.265	252	154938	14.825	ng	# 93
92) Benzo(g,h,i)perylene	30.659	276	51336	4.215	ng	# 92

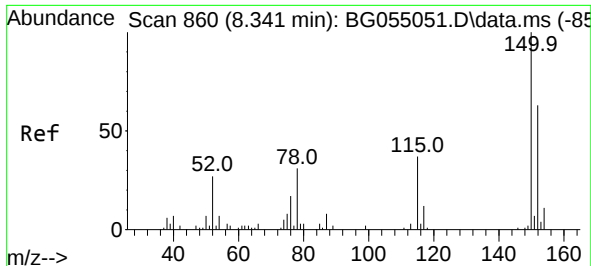
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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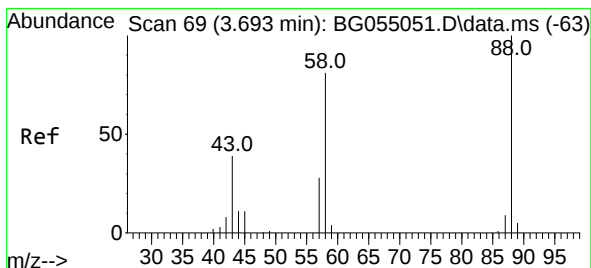
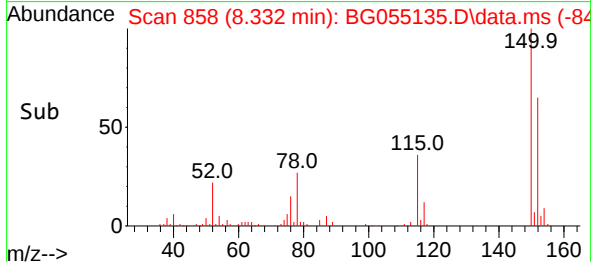
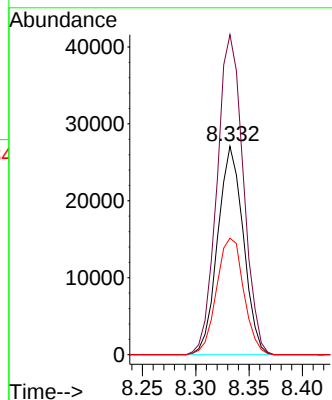
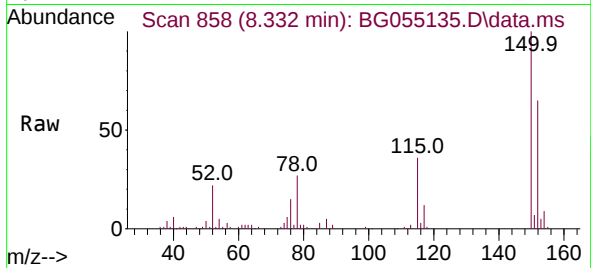




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.332 min Scan# 8
Delta R.T. -0.006 min
Lab File: BG055135.D
Acq: 11 Oct 2022 20:48

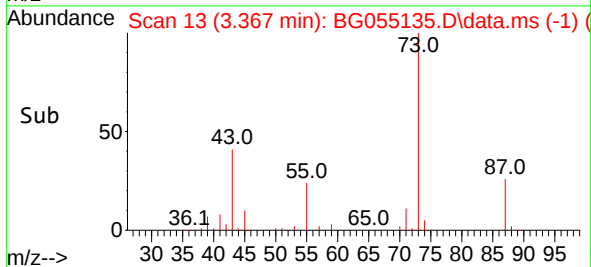
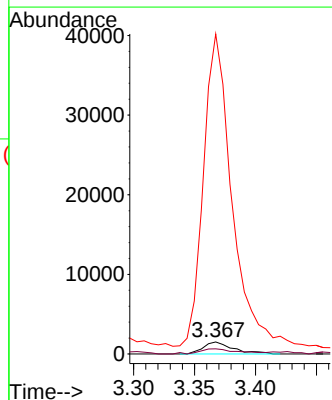
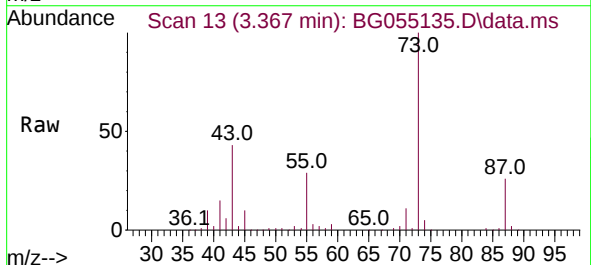
Instrument :
BNA_G
ClientSampleId :
TR-6-101022

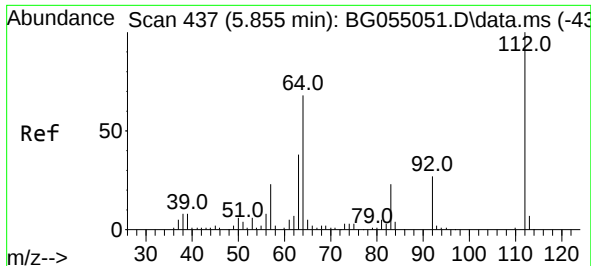
Tgt Ion:152 Resp: 45249
Ion Ratio Lower Upper
152 100
150 153.6 128.0 192.0
115 55.9 47.7 71.5



#2
1,4-Dioxane
Concen: 2.229 ng
RT: 3.367 min Scan# 13
Delta R.T. -0.317 min
Lab File: BG055135.D
Acq: 11 Oct 2022 20:48

Tgt Ion: 88 Resp: 2569
Ion Ratio Lower Upper
88 100
58 53.3 62.6 94.0#
43 2653.4 29.0 43.6#

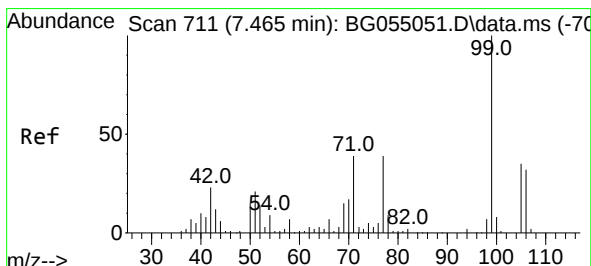
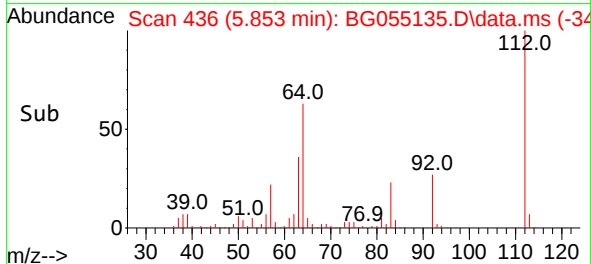
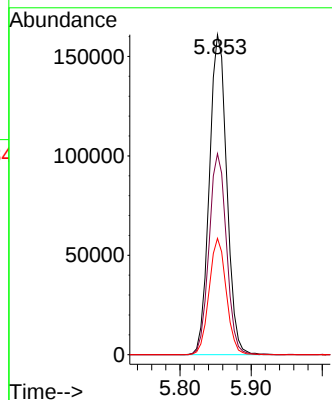
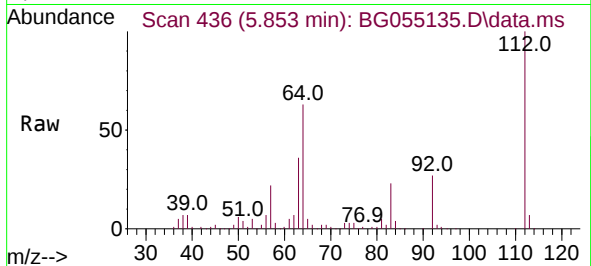




#5
2-Fluorophenol
Concen: 134.404 ng
RT: 5.853 min Scan# 41
Delta R.T. 0.000 min
Lab File: BG055135.D
Acq: 11 Oct 2022 20:48

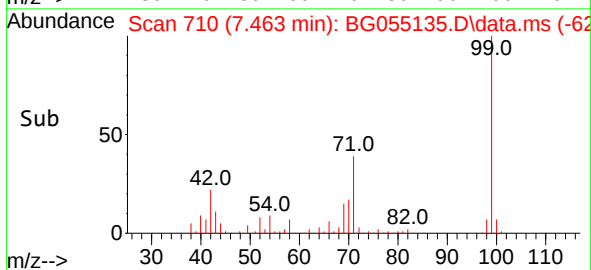
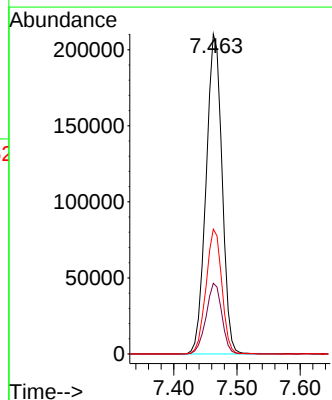
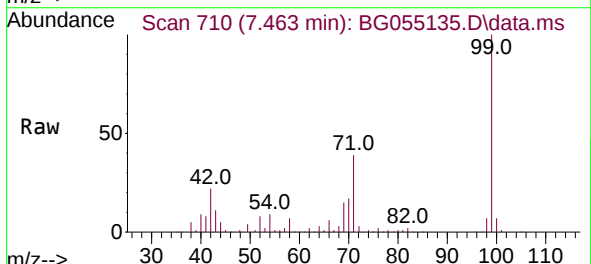
Instrument :
BNA_G
ClientSampleId :
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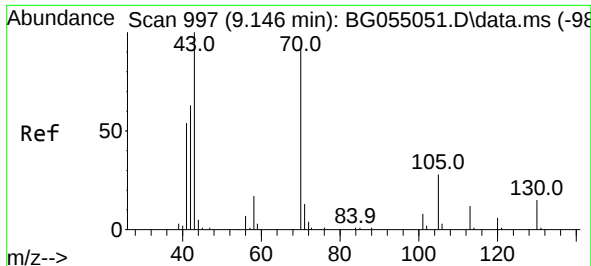
Tgt Ion:112 Resp: 273808
Ion Ratio Lower Upper
112 100
64 62.8 54.5 81.7
63 36.4 30.5 45.7



#7
Phenol-d6
Concen: 120.783 ng
RT: 7.463 min Scan# 710
Delta R.T. 0.000 min
Lab File: BG055135.D
Acq: 11 Oct 2022 20:48

Tgt Ion: 99 Resp: 368675
Ion Ratio Lower Upper
99 100
42 22.1 18.6 28.0
71 39.0 31.2 46.8

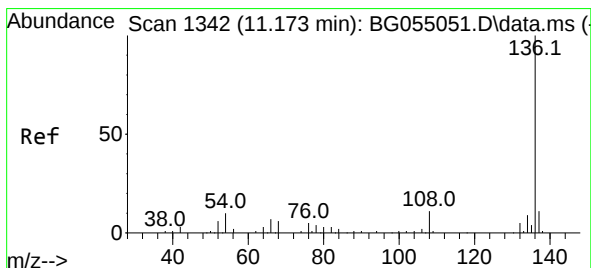
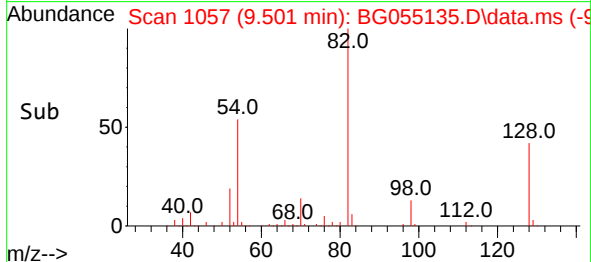
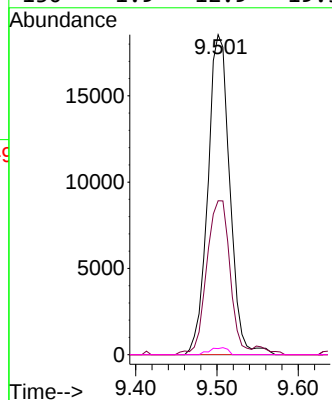
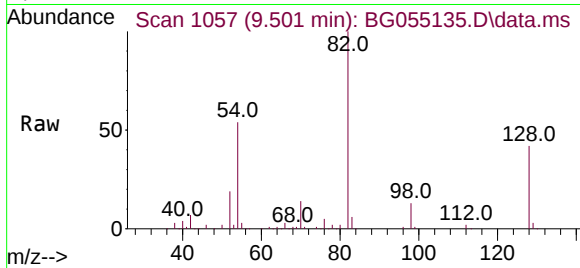




#19
n-Nitroso-di-n-propylamine
Concen: 11.762 ng
RT: 9.501 min Scan# 1057
Delta R.T. 0.365 min
Lab File: BG055135.D
Acq: 11 Oct 2022 20:48

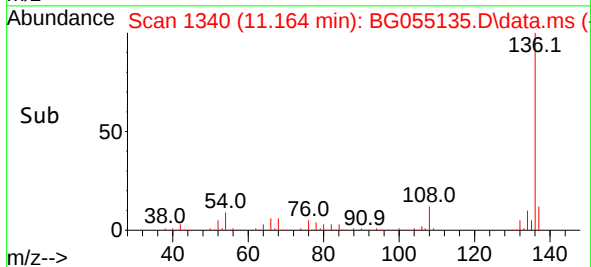
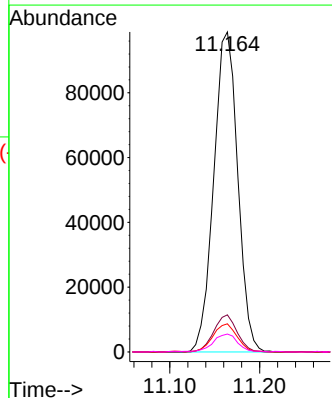
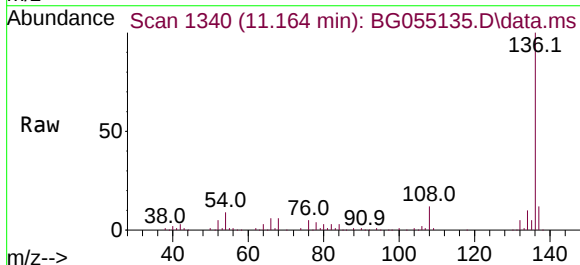
Instrument :
BNA_G
ClientSampleId :
TR-6-101022

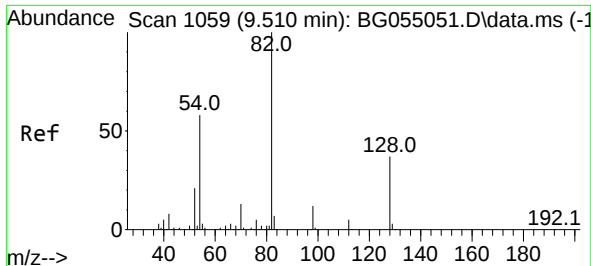
Tgt Ion: 70 Resp: 34777
Ion Ratio Lower Upper
70 100
42 48.1 55.8 83.6#
101 0.0 7.1 10.7#
130 1.9 12.9 19.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.164 min Scan# 1340
Delta R.T. -0.006 min
Lab File: BG055135.D
Acq: 11 Oct 2022 20:48

Tgt Ion:136 Resp: 182973
Ion Ratio Lower Upper
136 100
137 11.6 8.7 13.1
54 8.8 8.2 12.4
68 5.6 4.9 7.3

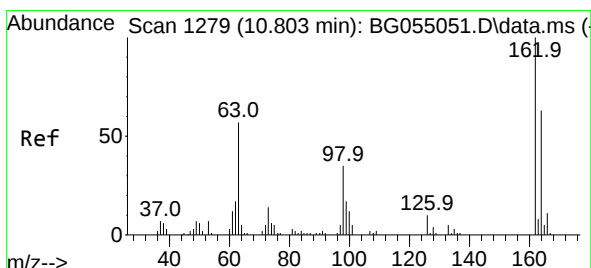
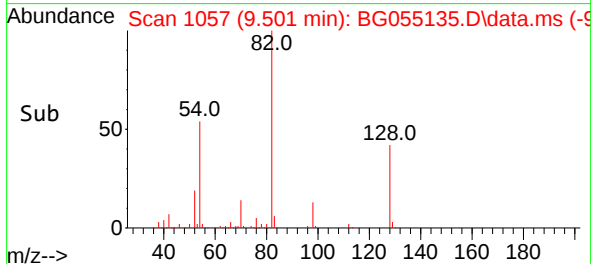
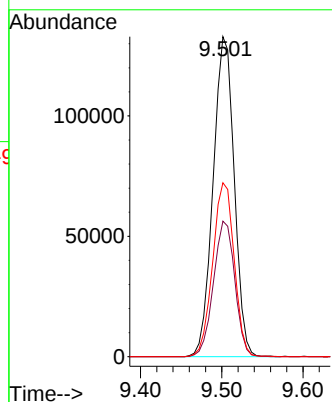
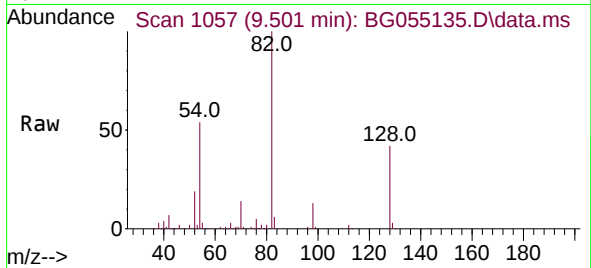




#23
Nitrobenzene-d5
Concen: 78.360 ng
RT: 9.501 min Scan# 1057
Delta R.T. -0.006 min
Lab File: BG055135.D
Acq: 11 Oct 2022 20:48

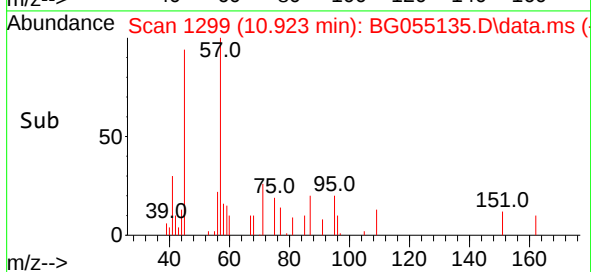
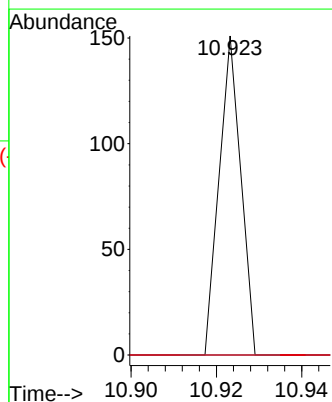
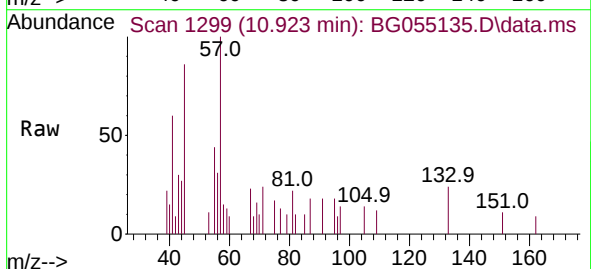
Instrument :
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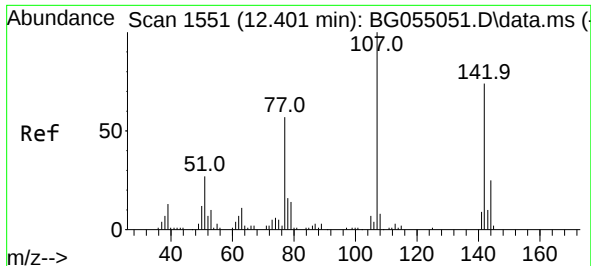
Tgt Ion: 82 Resp: 239946
Ion Ratio Lower Upper
82 100
128 42.4 29.5 44.3
54 54.4 46.7 70.1



#29
2,4-Dichlorophenol
Concen: 4.024 ng
RT: 10.923 min Scan# 1299
Delta R.T. 0.124 min
Lab File: BG055135.D
Acq: 11 Oct 2022 20:48

Tgt Ion:162 Resp: 53
Ion Ratio Lower Upper
162 100
164 0.0 42.9 82.9#
98 0.0 14.7 54.7#

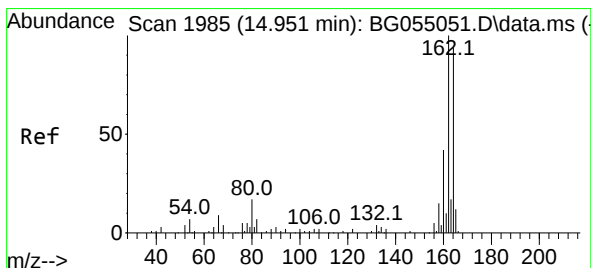
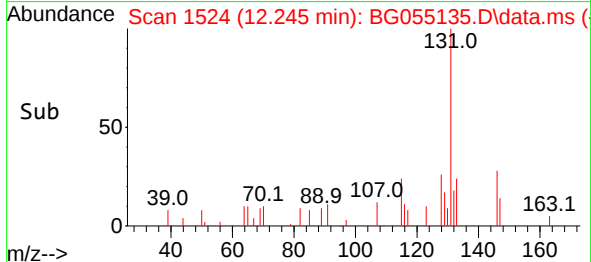
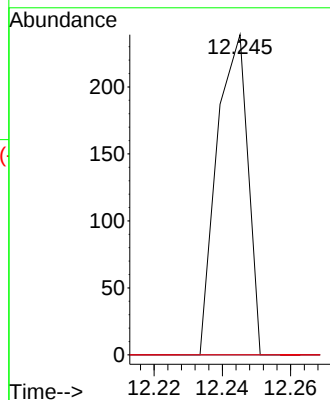
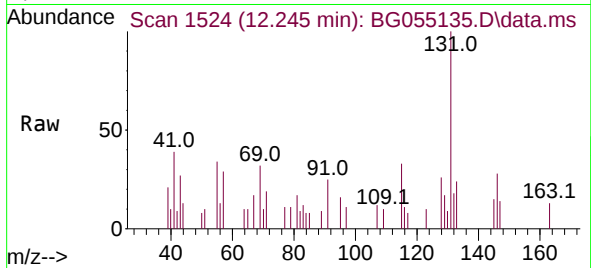




#36
4-Chloro-3-methylphenol
Concen: 2.947 ng
RT: 12.245 min Scan# 11
Delta R.T. -0.152 min
Lab File: BG055135.D
Acq: 11 Oct 2022 20:48

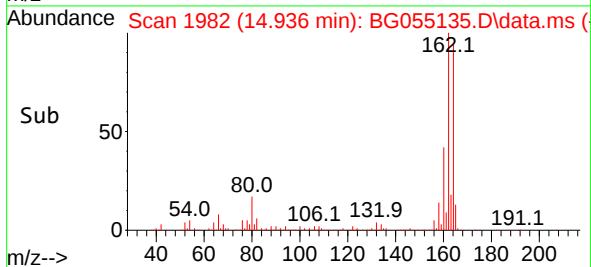
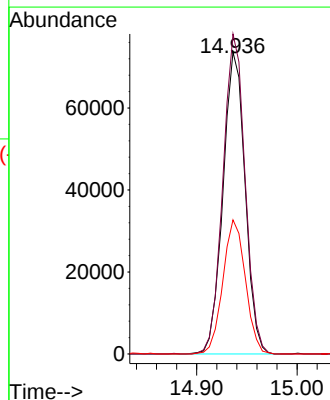
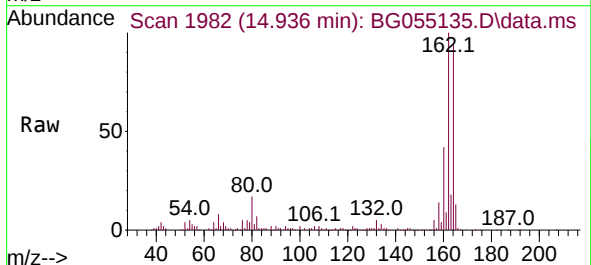
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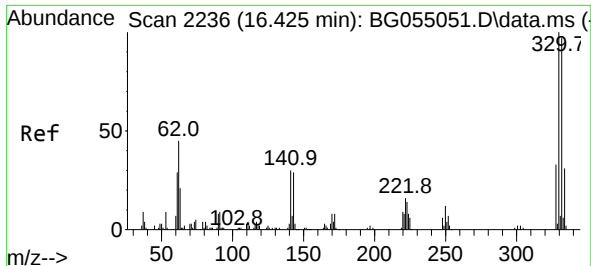
Tgt Ion:107 Resp: 150
Ion Ratio Lower Upper
107 100
144 0.0 19.7 29.5#
142 0.0 59.3 88.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.936 min Scan# 1982
Delta R.T. -0.006 min
Lab File: BG055135.D
Acq: 11 Oct 2022 20:48

Tgt Ion:164 Resp: 112456
Ion Ratio Lower Upper
164 100
162 106.0 85.5 128.3
160 44.4 35.5 53.3

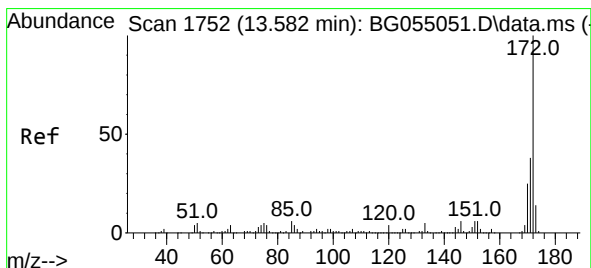
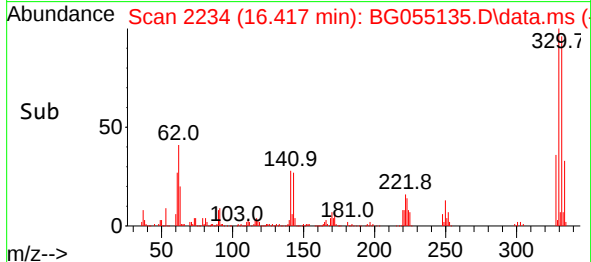
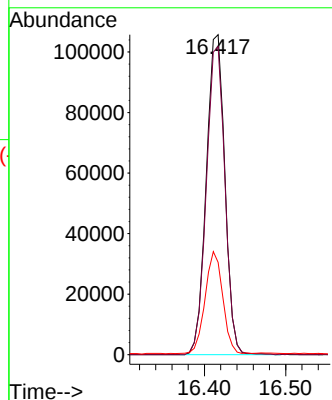
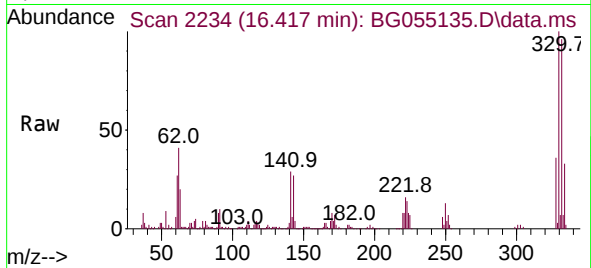




#42
2,4,6-Tribromophenol
Concen: 142.612 ng
RT: 16.417 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG055135.D
Acq: 11 Oct 2022 20:48

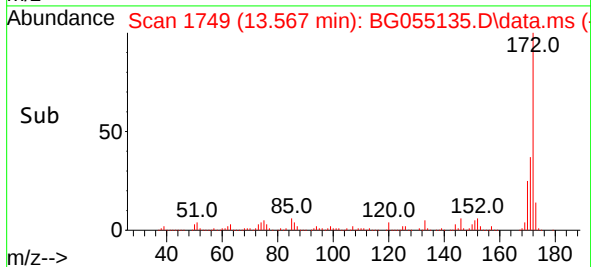
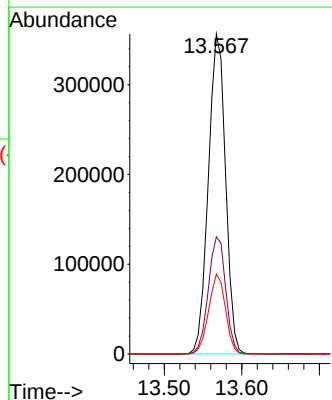
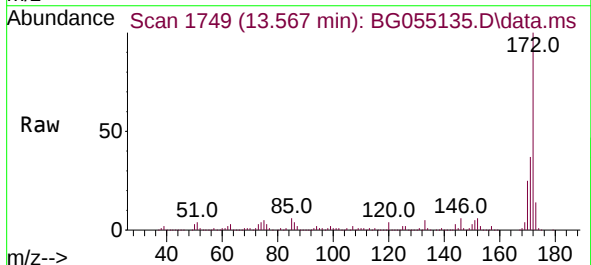
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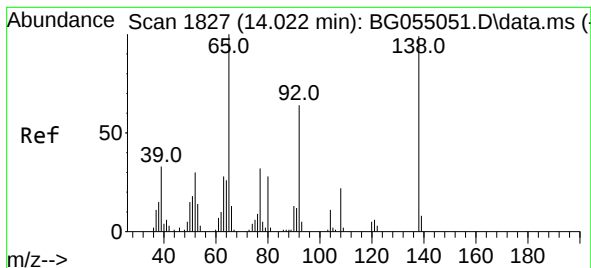
Tgt Ion:330 Resp: 167408
Ion Ratio Lower Upper
330 100
332 96.3 77.4 116.0
141 30.5 25.0 37.4



#45
2-Fluorobiphenyl
Concen: 76.326 ng
RT: 13.567 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BG055135.D
Acq: 11 Oct 2022 20:48

Tgt Ion:172 Resp: 549815
Ion Ratio Lower Upper
172 100
171 36.6 30.1 45.1
170 24.9 20.0 30.0

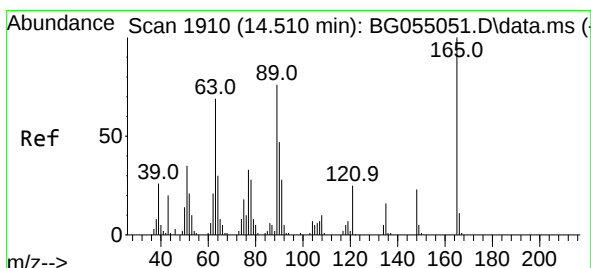
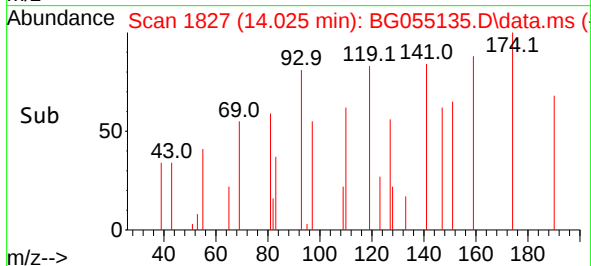
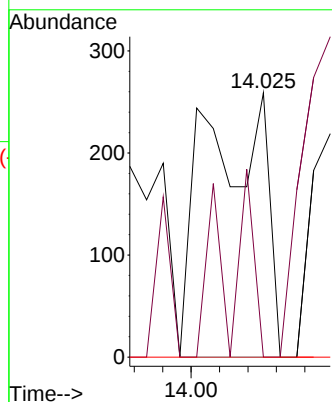
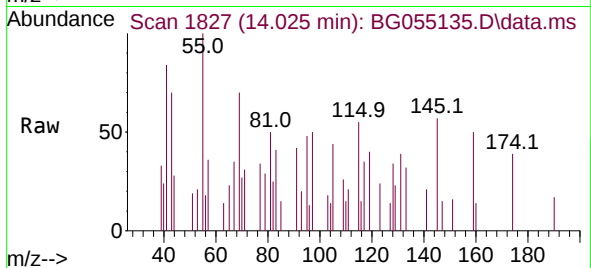




#48
2-Nitroaniline
Concen: 4.278 ng
RT: 14.025 min Scan# 11
Delta R.T. 0.006 min
Lab File: BG055135.D
Acq: 11 Oct 2022 20:48

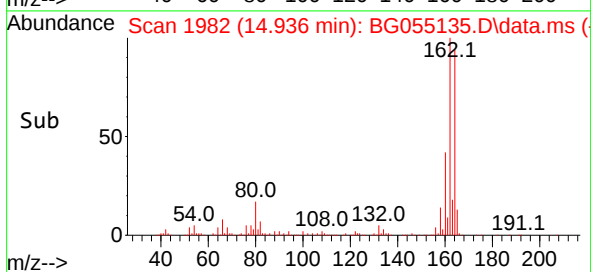
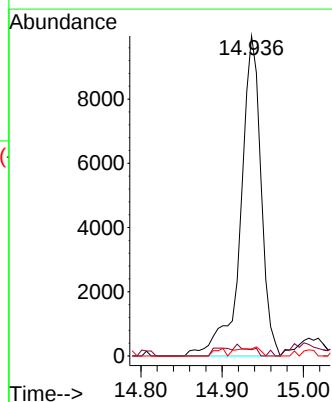
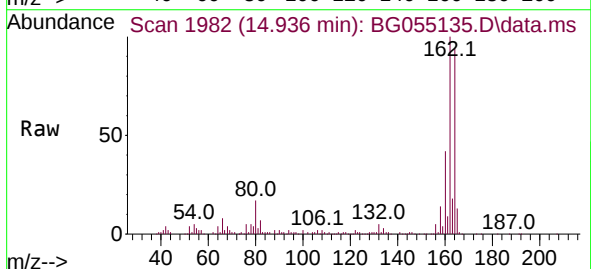
Instrument :
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ClientSampleId :
TR-6-101022

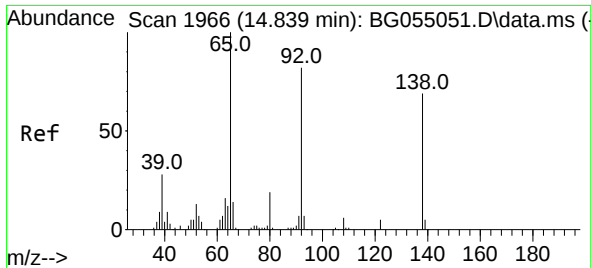
Tgt Ion: 65 Resp: 374
Ion Ratio Lower Upper
65 100
92 0.0 50.9 76.3#
138 0.0 79.5 119.3#



#51
2,6-Dinitrotoluene
Concen: 13.795 ng
RT: 14.936 min Scan# 1982
Delta R.T. 0.429 min
Lab File: BG055135.D
Acq: 11 Oct 2022 20:48

Tgt Ion: 165 Resp: 17358
Ion Ratio Lower Upper
165 100
63 2.0 56.2 84.4#
89 2.2 60.4 90.6#

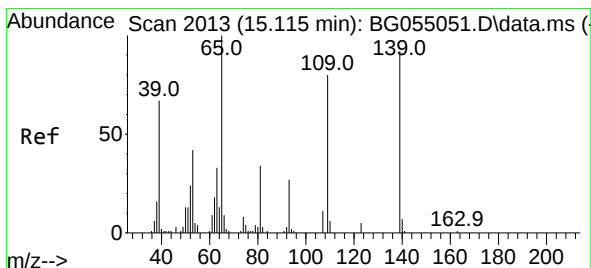
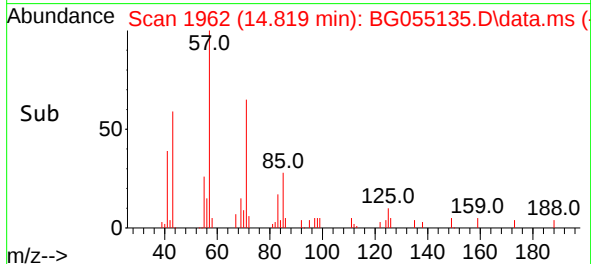
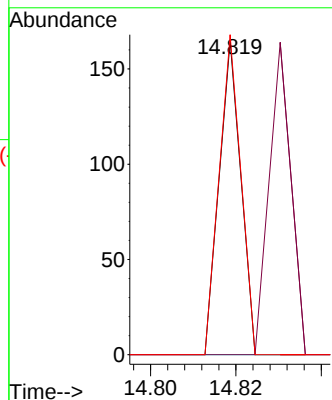
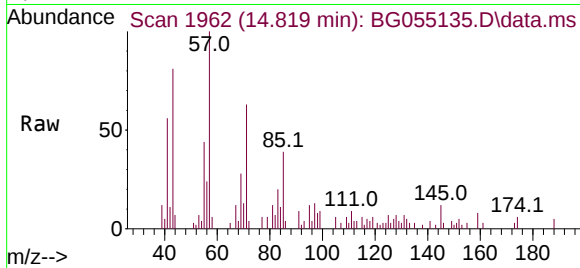




#53
3-Nitroaniline
Concen: 2.963 ng
RT: 14.819 min Scan# 1966
Delta R.T. -0.017 min
Lab File: BG055135.D
Acq: 11 Oct 2022 20:48

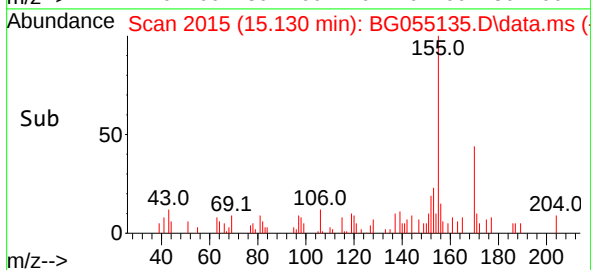
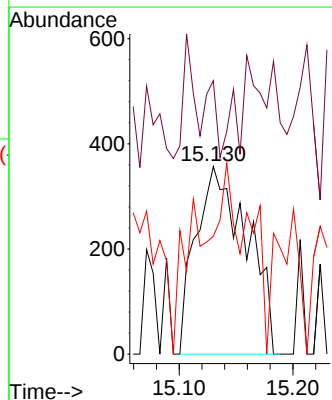
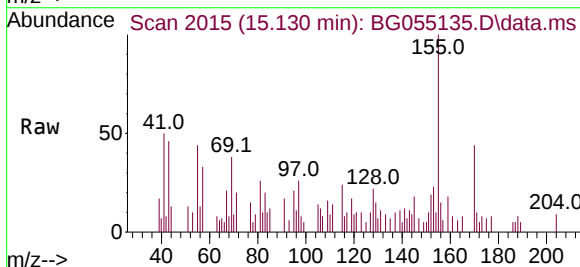
Instrument :
BNA_G
ClientSampleId :
TR-6-101022

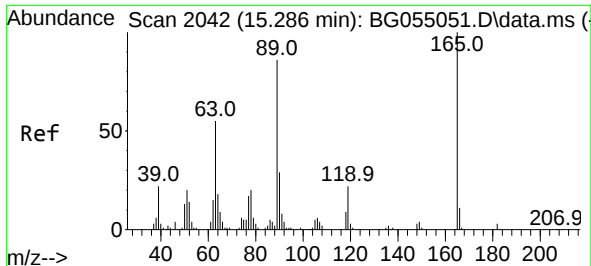
Tgt Ion:138 Resp: 58
Ion Ratio Lower Upper
138 100
108 0.0 6.9 10.3#
92 101.8 94.2 141.4



#56
4-Nitrophenol
Concen: 5.665 ng
RT: 15.130 min Scan# 2015
Delta R.T. 0.018 min
Lab File: BG055135.D
Acq: 11 Oct 2022 20:48

Tgt Ion:139 Resp: 1116
Ion Ratio Lower Upper
139 100
109 145.7 66.6 106.6#
65 62.7 88.5 128.5#





#57

2,4-Dinitrotoluene

Concen: 3.840 ng

RT: 15.242 min Scan# 2042

Delta R.T. -0.041 min

Lab File: BG055135.D

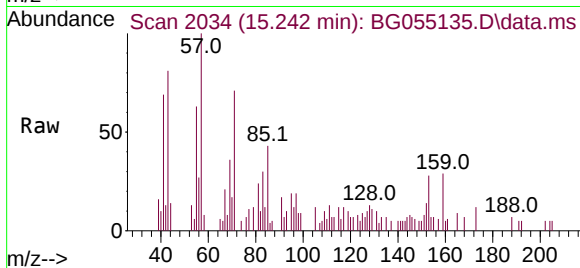
Acq: 11 Oct 2022 20:48

Instrument :

BNA_G

ClientSampleId :

TR-6-101022



Tgt Ion:165 Resp: 545

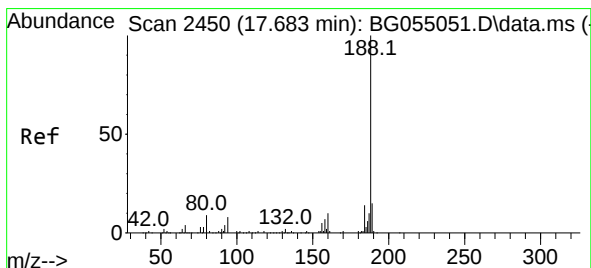
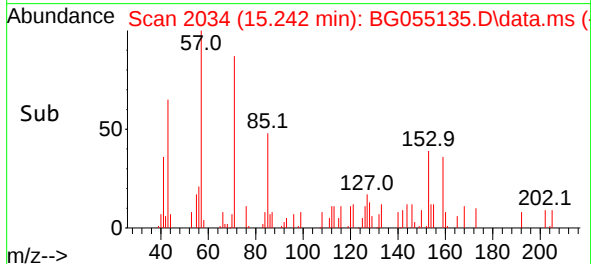
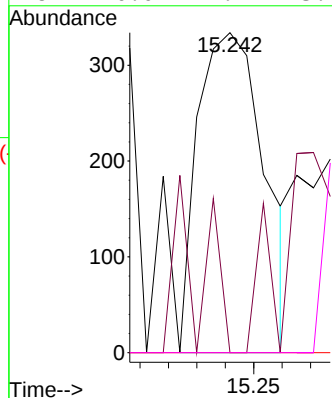
Ion Ratio Lower Upper

165 100

63 0.0 44.2 66.2#

89 0.0 69.0 103.6#

182 0.0 2.2 3.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.668 min Scan# 2447

Delta R.T. -0.006 min

Lab File: BG055135.D

Acq: 11 Oct 2022 20:48

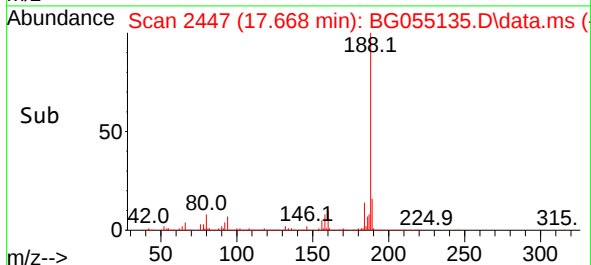
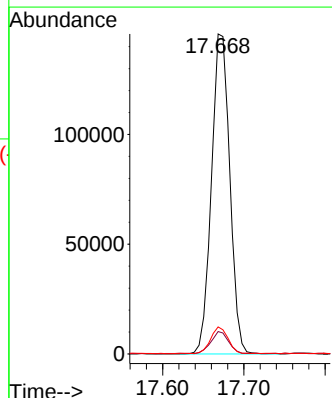
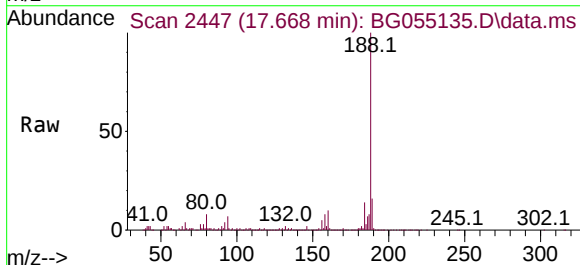
Tgt Ion:188 Resp: 228219

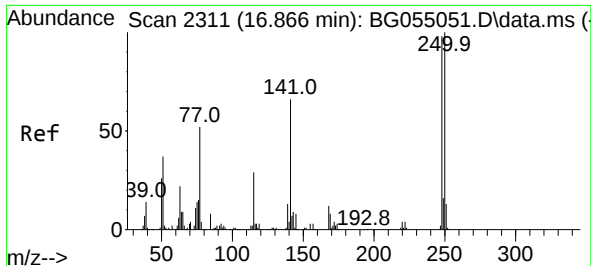
Ion Ratio Lower Upper

188 100

94 7.0 6.2 9.2

80 8.5 7.2 10.8

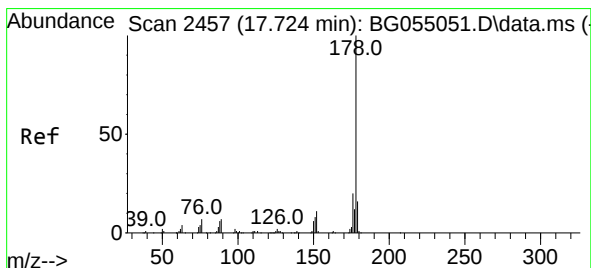
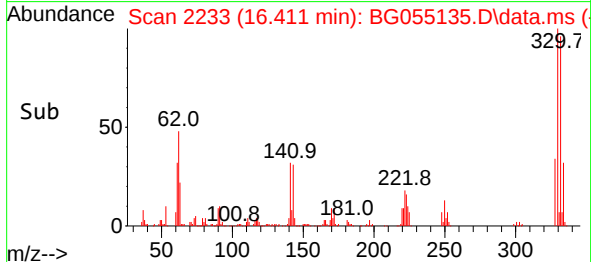
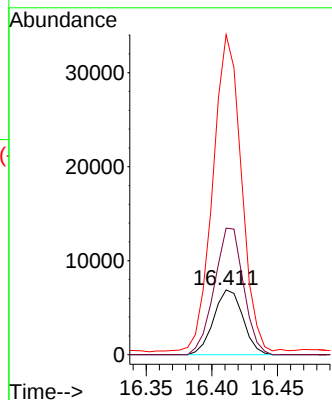
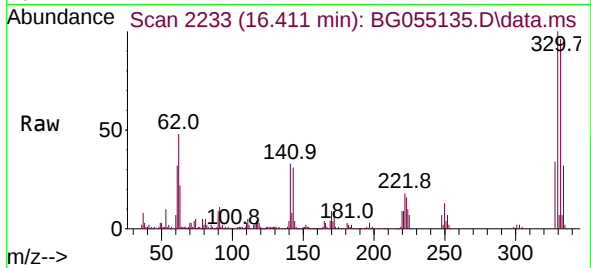




#67
4-Bromophenyl-phenylether
Concen: 4.421 ng
RT: 16.411 min Scan# 21
Delta R.T. -0.446 min
Lab File: BG055135.D
Acq: 11 Oct 2022 20:48

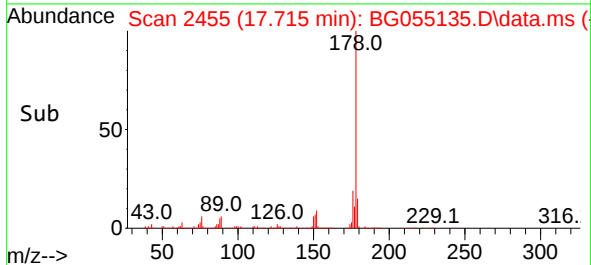
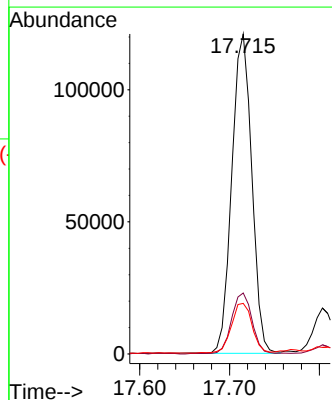
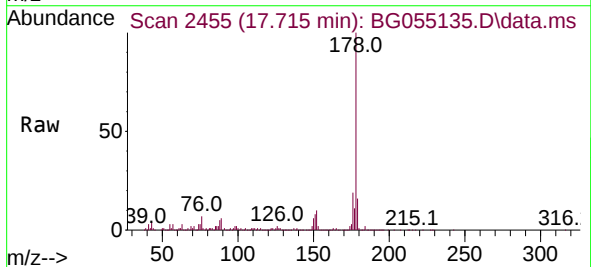
Instrument :
BNA_G
ClientSampleId :
TR-6-101022

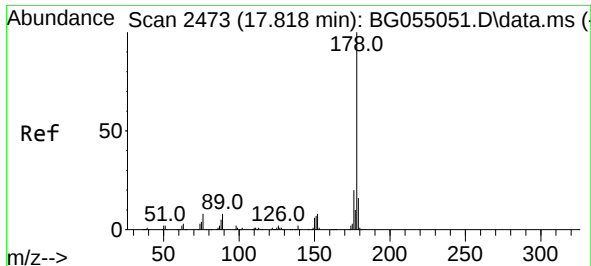
Tgt Ion:248 Resp: 10671
Ion Ratio Lower Upper
248 100
250 195.4 81.7 122.5#
141 494.0 53.7 80.5#



#71
Phenanthrene
Concen: 15.522 ng
RT: 17.715 min Scan# 2455
Delta R.T. -0.006 min
Lab File: BG055135.D
Acq: 11 Oct 2022 20:48

Tgt Ion:178 Resp: 186080
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.6
179 15.8 13.2 19.8

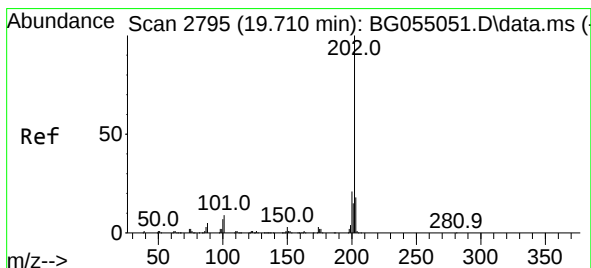
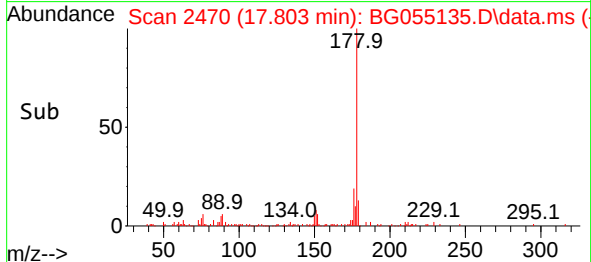
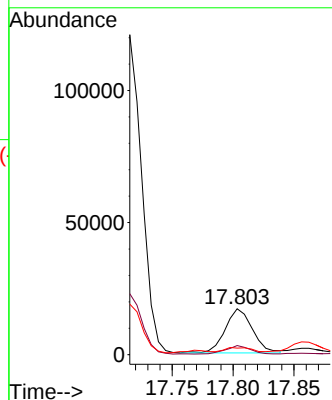
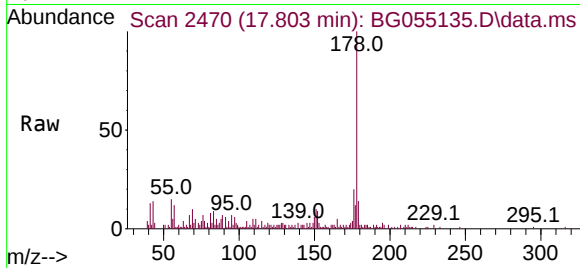




#72
 Anthracene
 Concen: 2.226 ng
 RT: 17.803 min Scan# 2473
 Delta R.T. -0.006 min
 Lab File: BG055135.D
 Acq: 11 Oct 2022 20:48

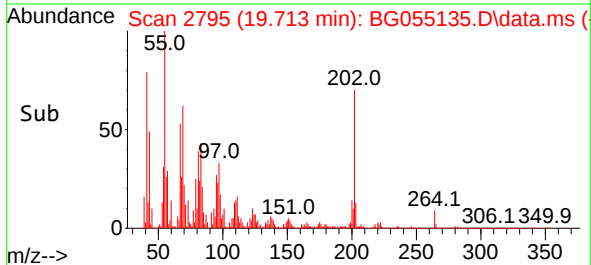
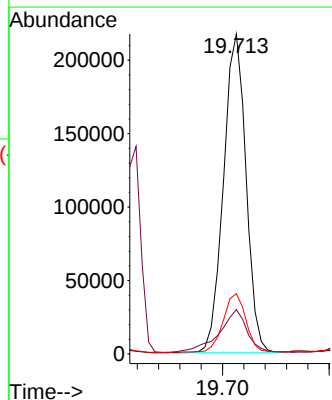
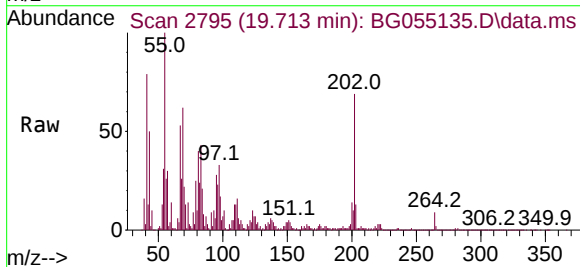
Instrument :
 BNA_G
 ClientSampleId :
 TR-6-101022

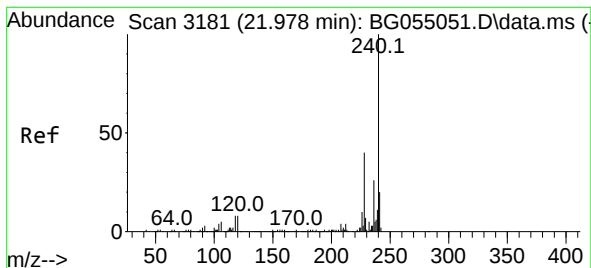
Tgt Ion:178 Resp: 25953
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.7 23.5
 179 14.2 12.5 18.7



#75
 Fluoranthene
 Concen: 21.228 ng
 RT: 19.713 min Scan# 2795
 Delta R.T. 0.006 min
 Lab File: BG055135.D
 Acq: 11 Oct 2022 20:48

Tgt Ion:202 Resp: 317475
 Ion Ratio Lower Upper
 202 100
 101 13.9 0.0 28.9
 203 18.8 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.975 min Scan# 31

Delta R.T. 0.006 min

Lab File: BG055135.D

Acq: 11 Oct 2022 20:48

Instrument :

BNA_G

ClientSampleId :

TR-6-101022

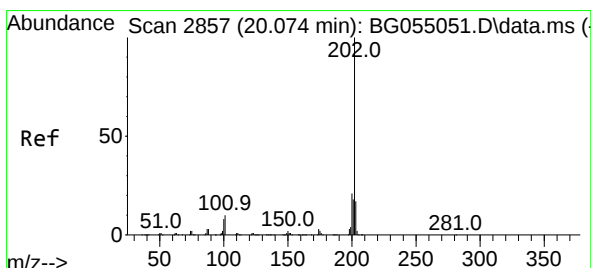
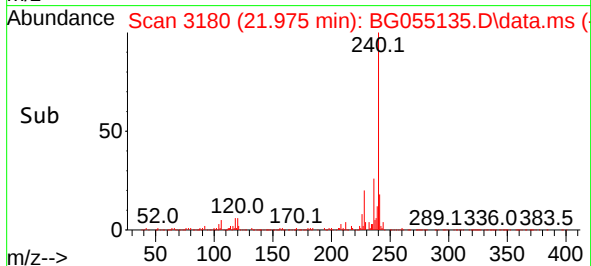
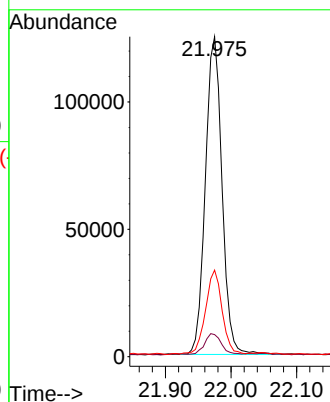
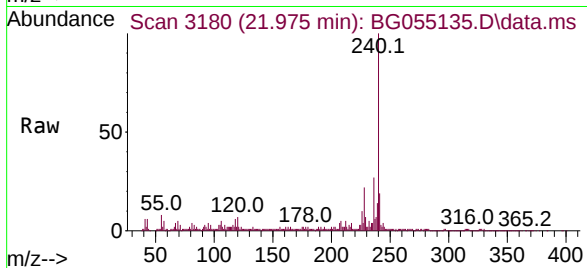
Tgt Ion:240 Resp: 220379

Ion Ratio Lower Upper

240 100

120 6.9 6.2 9.4

236 27.0 20.6 30.8



#78

Pyrene

Concen: 27.529 ng

RT: 20.077 min Scan# 2857

Delta R.T. 0.012 min

Lab File: BG055135.D

Acq: 11 Oct 2022 20:48

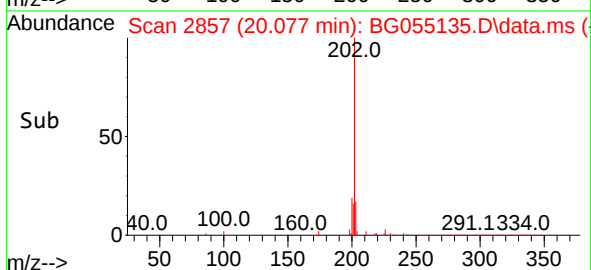
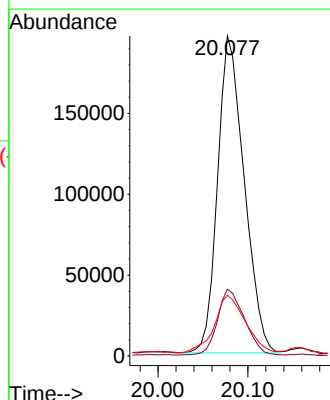
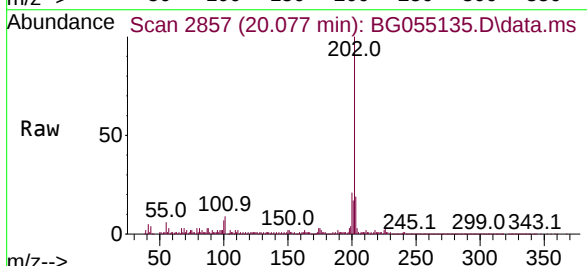
Tgt Ion:202 Resp: 403406

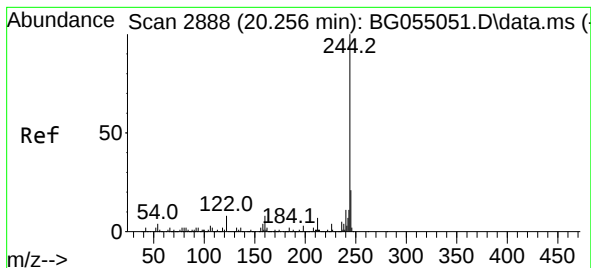
Ion Ratio Lower Upper

202 100

200 20.8 16.6 25.0

203 19.0 14.0 21.0





#79

Terphenyl-d14

Concen: 70.735 ng

RT: 20.265 min Scan# 21

Delta R.T. 0.012 min

Lab File: BG055135.D

Acq: 11 Oct 2022 20:48

Instrument :

BNA_G

ClientSampleId :

TR-6-101022

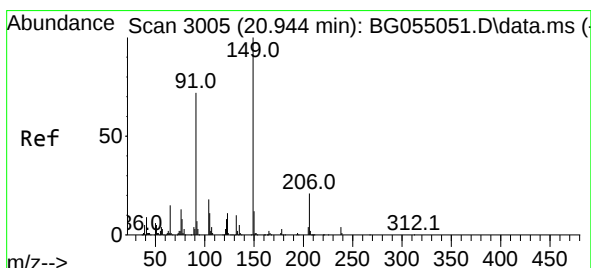
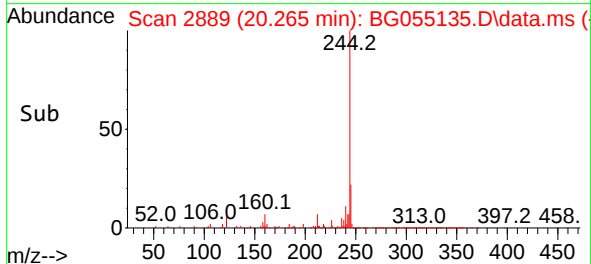
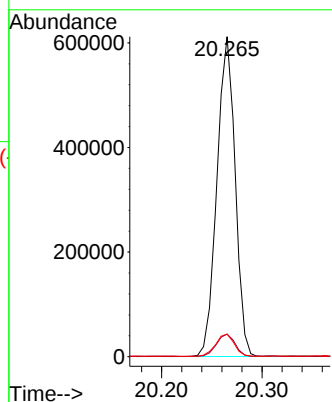
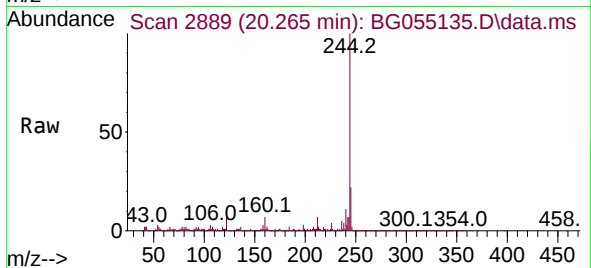
Tgt Ion:244 Resp: 771259

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 7.0 6.6 10.0



#80

Butylbenzylphthalate

Concen: 5.594 ng

RT: 20.900 min Scan# 2997

Delta R.T. -0.035 min

Lab File: BG055135.D

Acq: 11 Oct 2022 20:48

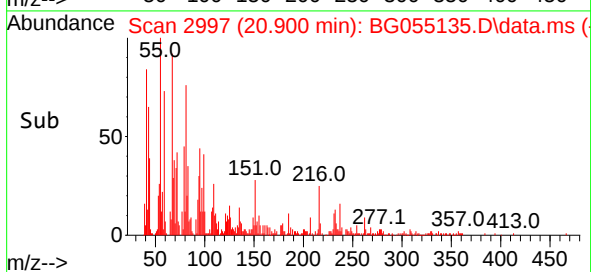
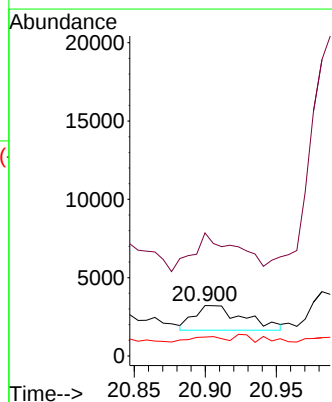
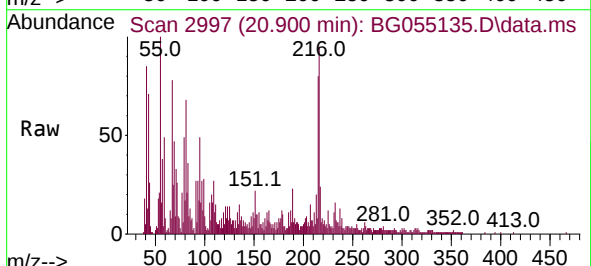
Tgt Ion:149 Resp: 3855

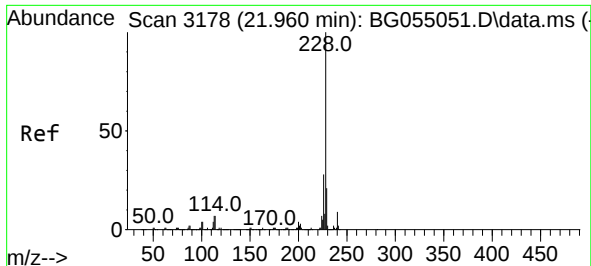
Ion Ratio Lower Upper

149 100

91 244.2 57.8 86.8#

206 37.4 16.9 25.3#

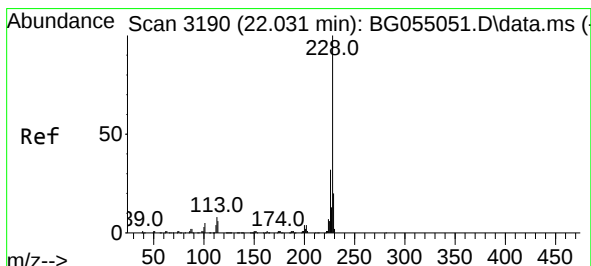
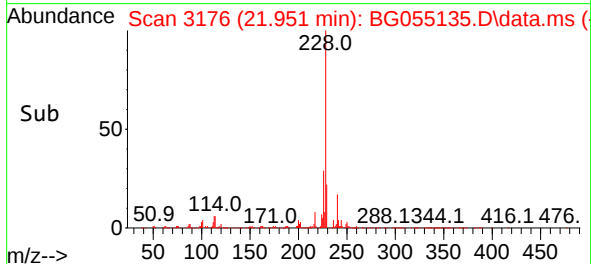
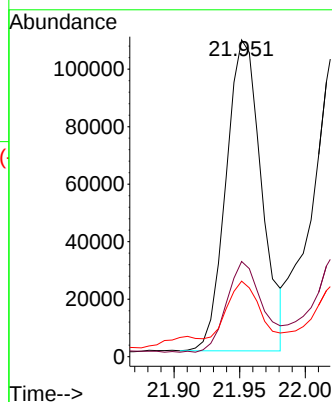
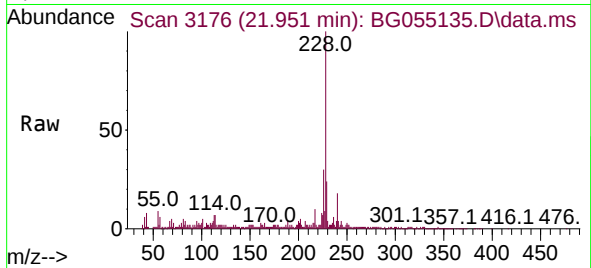




#81
Benzo(a)anthracene
Concen: 14.590 ng
RT: 21.951 min Scan# 3178
Delta R.T. 0.000 min
Lab File: BG055135.D
Acq: 11 Oct 2022 20:48

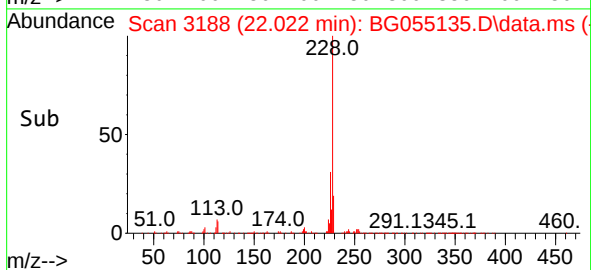
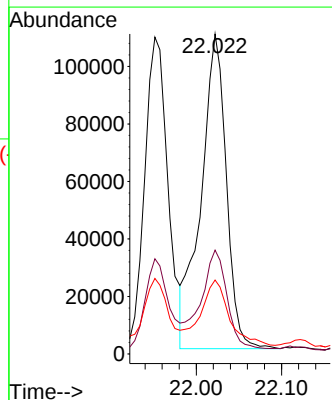
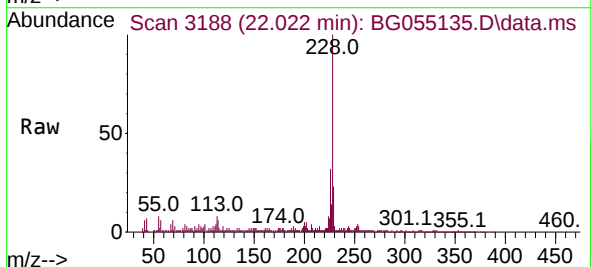
Instrument :
BNA_G
ClientSampleId :
TR-6-101022

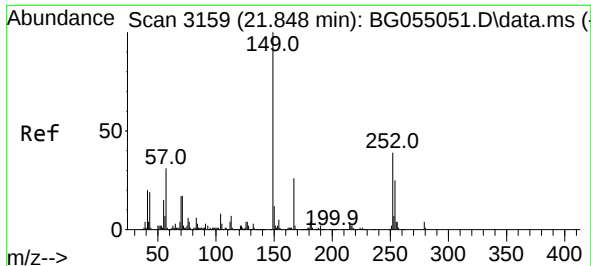
Tgt Ion:228 Resp: 204250
Ion Ratio Lower Upper
228 100
226 30.1 22.4 33.6
229 23.8 16.7 25.1



#83
Chrysene
Concen: 16.776 ng
RT: 22.022 min Scan# 3188
Delta R.T. 0.000 min
Lab File: BG055135.D
Acq: 11 Oct 2022 20:48

Tgt Ion:228 Resp: 226355
Ion Ratio Lower Upper
228 100
226 32.5 25.3 37.9
229 23.1 16.1 24.1

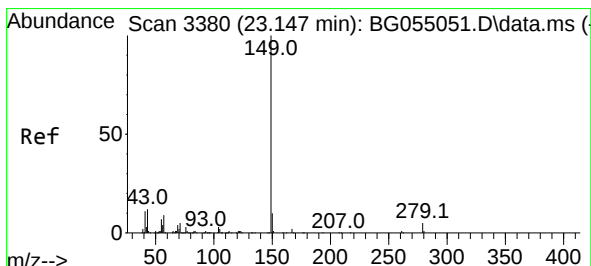
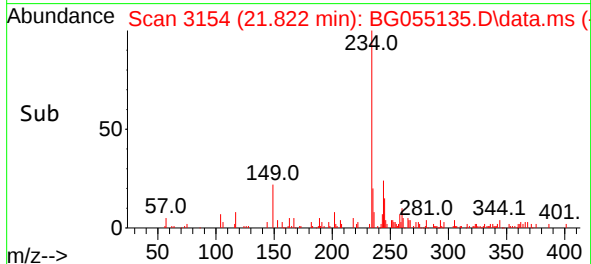
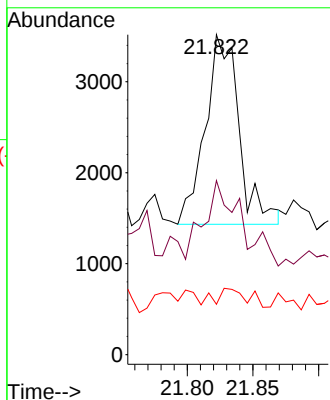
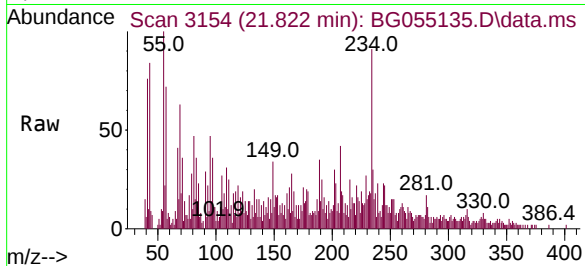




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.598 ng
 RT: 21.822 min Scan# 3159
 Delta R.T. -0.011 min
 Lab File: BG055135.D
 Acq: 11 Oct 2022 20:48

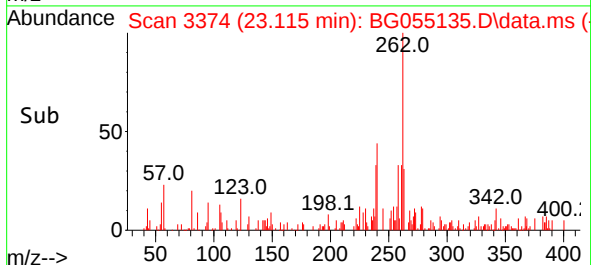
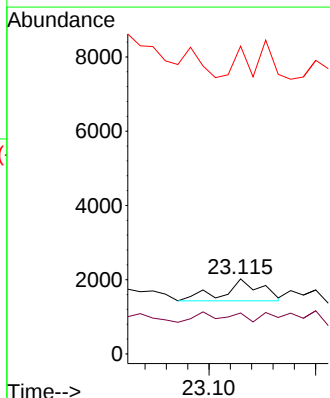
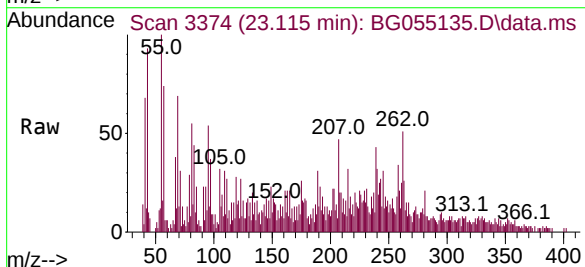
Instrument :
 BNA_G
 ClientSampleId :
 TR-6-101022

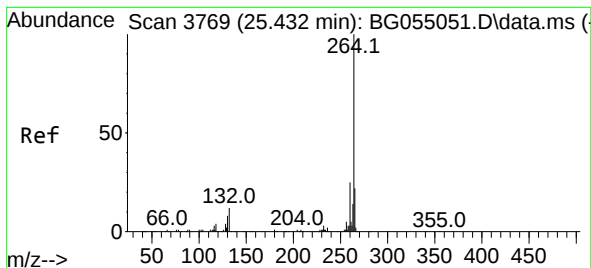
Tgt Ion:149 Resp: 3727
 Ion Ratio Lower Upper
 149 100
 167 54.4 21.0 31.4#
 279 15.7 3.4 5.2#



#85
 Di-n-octyl phthalate
 Concen: 4.397 ng
 RT: 23.115 min Scan# 3374
 Delta R.T. -0.011 min
 Lab File: BG055135.D
 Acq: 11 Oct 2022 20:48

Tgt Ion:149 Resp: 715
 Ion Ratio Lower Upper
 149 100
 167 30.6 1.3 1.9#
 43 0.0 10.2 15.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.424 min Scan# 31

Delta R.T. 0.006 min

Lab File: BG055135.D

Acq: 11 Oct 2022 20:48

Instrument :

BNA_G

ClientSampleId :

TR-6-101022

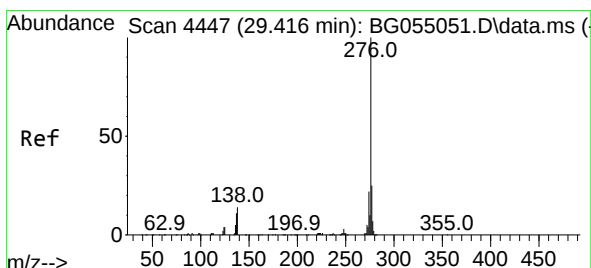
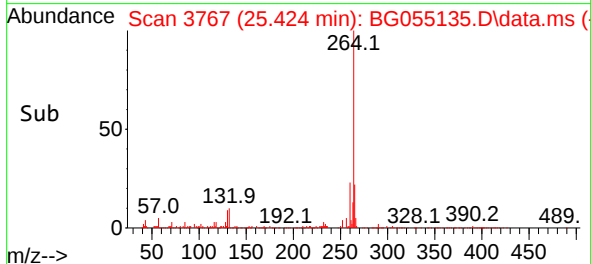
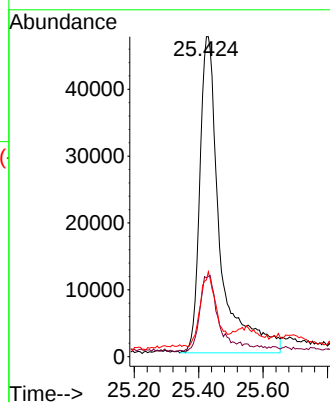
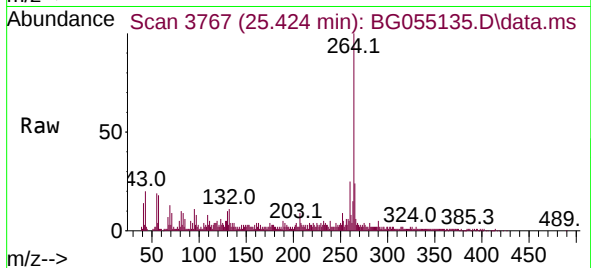
Tgt Ion:264 Resp: 206955

Ion Ratio Lower Upper

264 100

260 24.6 19.7 29.5

265 24.0 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.922 ng

RT: 29.396 min Scan# 4443

Delta R.T. 0.006 min

Lab File: BG055135.D

Acq: 11 Oct 2022 20:48

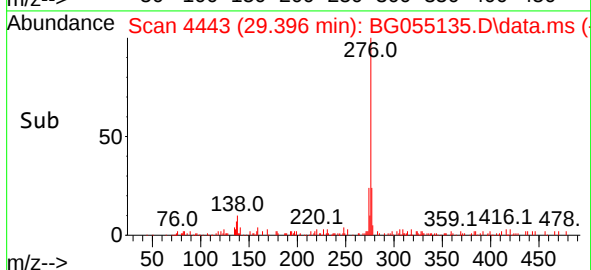
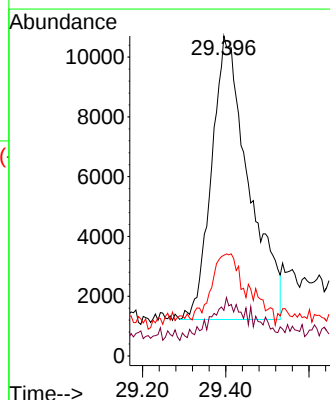
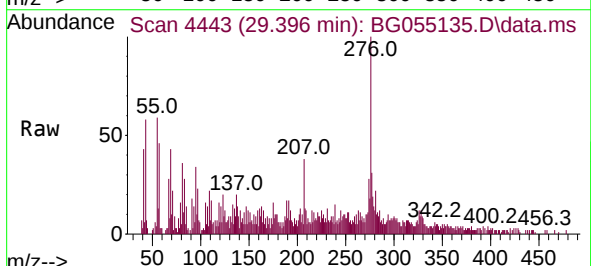
Tgt Ion:276 Resp: 58575

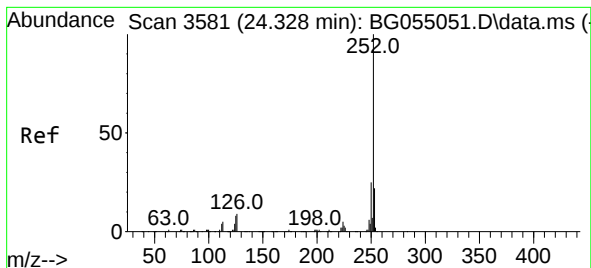
Ion Ratio Lower Upper

276 100

138 11.2 10.0 15.0

277 17.5 20.0 30.0#





#88

Benzo(b)fluoranthene

Concen: 26.098 ng

RT: 24.325 min Scan# 3581

Delta R.T. 0.006 min

Lab File: BG055135.D

Acq: 11 Oct 2022 20:48

Instrument :

BNA_G

ClientSampleId :

TR-6-101022

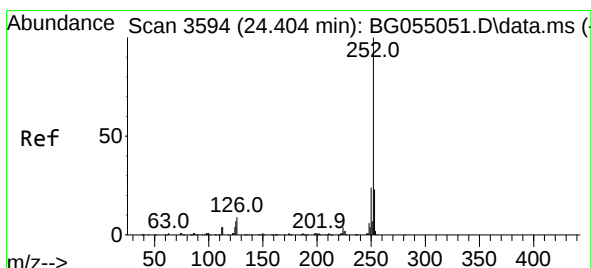
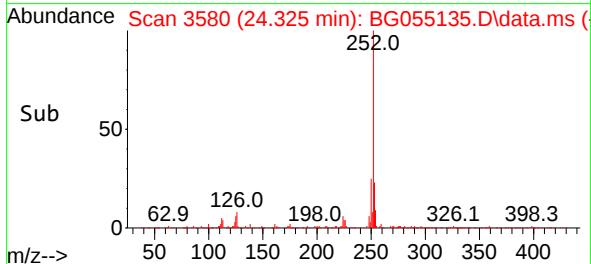
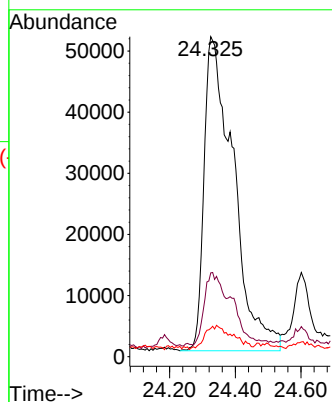
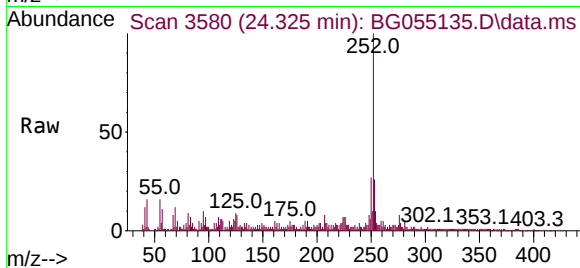
Tgt Ion:252 Resp: 318236

Ion Ratio Lower Upper

252 100

253 26.2 17.9 26.9

125 8.9 6.1 9.1



#89

Benzo(k)fluoranthene

Concen: 25.905 ng

RT: 24.325 min Scan# 3580

Delta R.T. -0.064 min

Lab File: BG055135.D

Acq: 11 Oct 2022 20:48

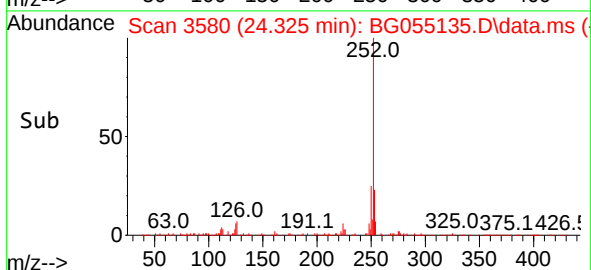
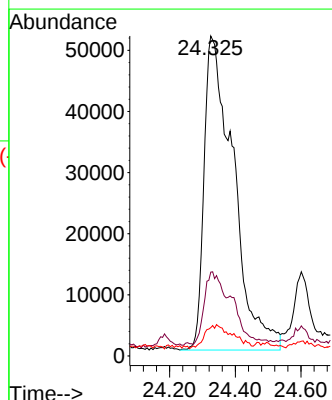
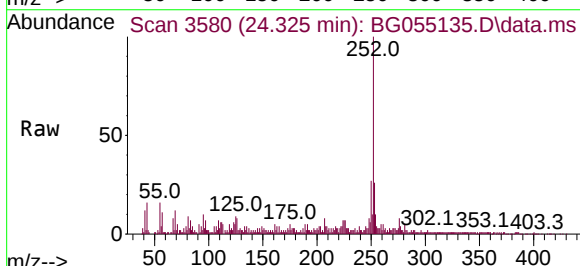
Tgt Ion:252 Resp: 318236

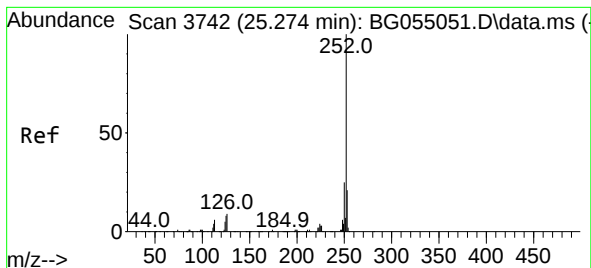
Ion Ratio Lower Upper

252 100

253 26.2 17.9 26.9

125 8.9 5.8 8.6#





#90

Benzo(a)pyrene

Concen: 14.825 ng

RT: 25.265 min Scan# 31

Delta R.T. 0.012 min

Lab File: BG055135.D

Acq: 11 Oct 2022 20:48

Instrument :

BNA_G

ClientSampleId :

TR-6-101022

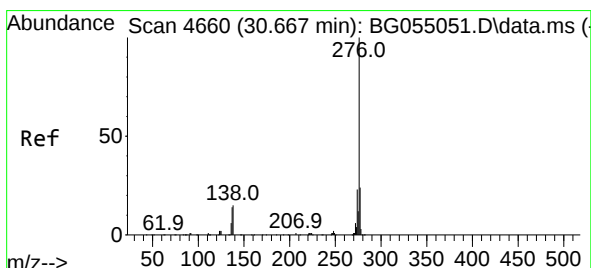
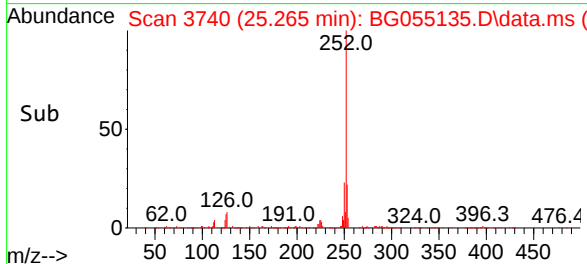
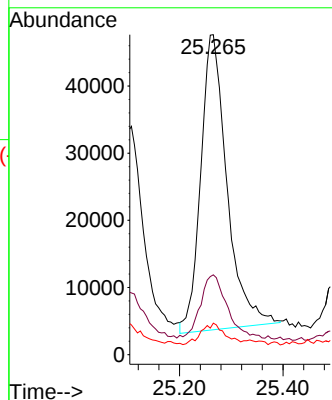
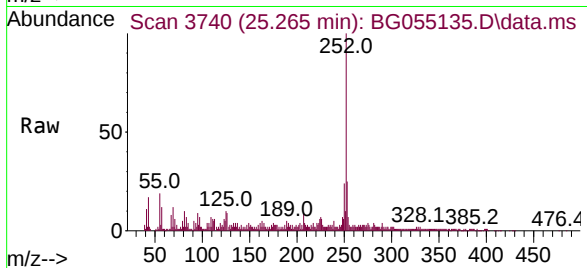
Tgt Ion:252 Resp: 154938

Ion Ratio Lower Upper

252 100

253 24.9 16.9 25.3

125 9.9 6.6 9.8#



#92

Benzo(g,h,i)perylene

Concen: 4.215 ng

RT: 30.659 min Scan# 4658

Delta R.T. 0.030 min

Lab File: BG055135.D

Acq: 11 Oct 2022 20:48

Tgt Ion:276 Resp: 51336

Ion Ratio Lower Upper

276 100

277 29.2 18.8 28.2#

138 16.0 11.8 17.6

