

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111721\
 Data File : BG051100.D
 Acq On : 17 Nov 2021 20:25
 Operator : CG/JU
 Sample : M4693-03 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 UT-COMP-02

Quant Time: Nov 18 00:04:28 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 15 03:55:35 2021
 Response via : Initial Calibration

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

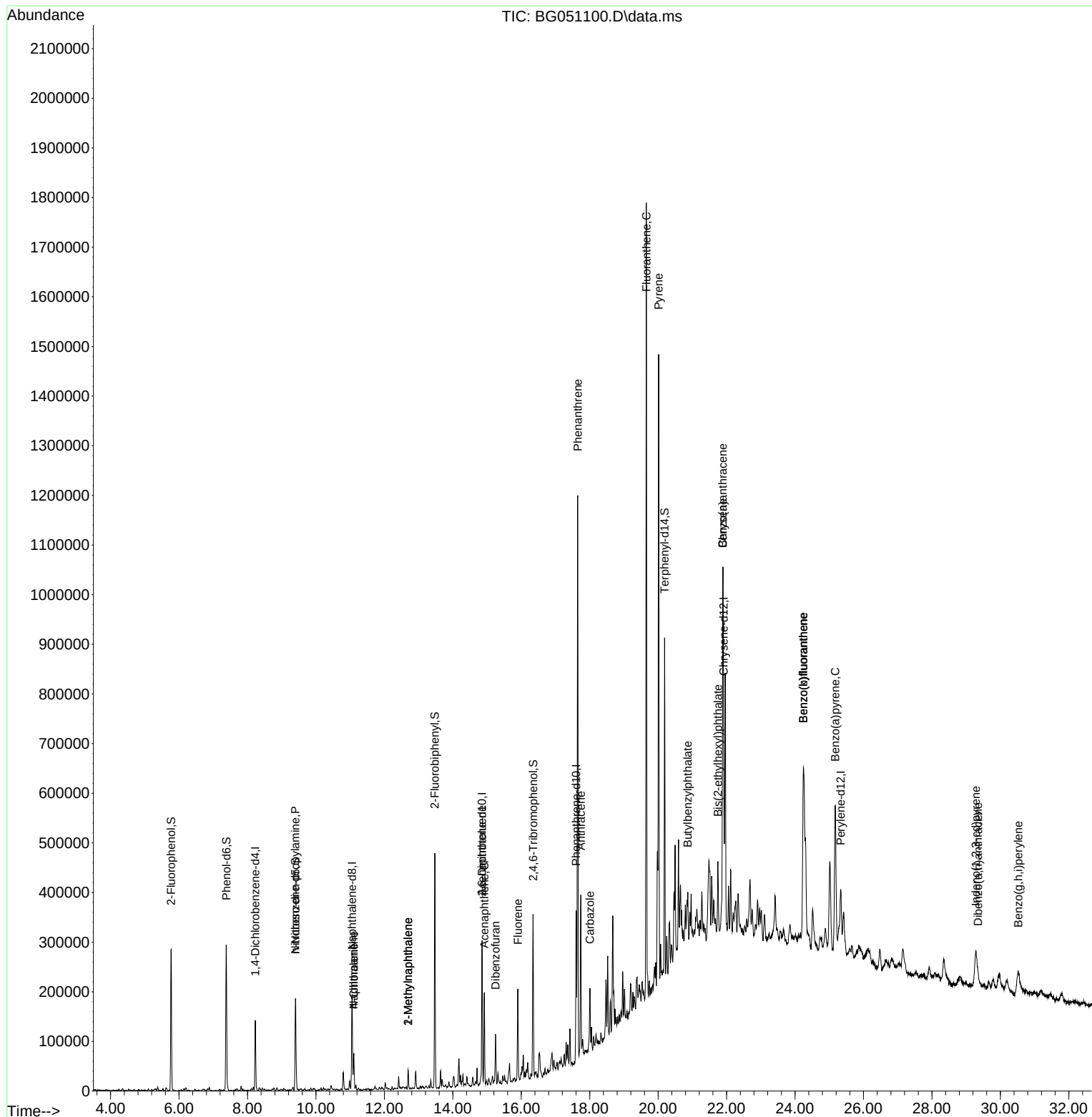
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.227	152	39482	20.000	ng	# 0.00
21) Naphthalene-d8	11.053	136	163990	20.000	ng	# 0.00
39) Acenaphthene-d10	14.854	164	98841	20.000	ng	0.00
64) Phenanthrene-d10	17.604	188	188821	20.000	ng	# 0.00
76) Chrysene-d12	21.911	240	155547	20.000	ng	# 0.00
86) Perylene-d12	25.336	264	156471	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.771	112	131285	49.742	ng	0.00
7) Phenol-d6	7.380	99	178456	47.904	ng	0.00
23) Nitrobenzene-d5	9.402	82	123284	33.279	ng	0.00
42) 2,4,6-Tribromophenol	16.346	330	49342	49.884	ng	0.00
45) 2-Fluorobiphenyl	13.473	172	241124	38.545	ng	0.00
79) Terphenyl-d14	20.189	244	286334	33.683	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.402	70	17845	6.482	ng	# 67
31) Naphthalene	11.106	128	57871	6.572	ng	99
33) 4-Chloroaniline	11.106	127	7934	2.133	ng	# 34
37) 2-Methylnaphthalene	12.692	142	17972	3.004	ng	94
38) 1-Methylnaphthalene	12.692	142	17972	3.073	ng	98
51) 2,6-Dinitrotoluene	14.854	165	15051	9.404	ng	# 13
52) Acenaphthene	14.919	154	63123	11.836	ng	93
55) Dibenzofuran	15.248	168	59864	6.600	ng	92
58) Fluorene	15.900	166	82148	11.602	ng	97
71) Phenanthrene	17.651	178	721534	71.639	ng	98
72) Anthracene	17.739	178	210528	21.017	ng	98
73) Carbazole	18.009	167	83454	8.413	ng	99
75) Fluoranthene	19.654	202	959763	77.672	ng	96
78) Pyrene	20.013	202	840653	72.041	ng	96
80) Butylbenzylphthalate	20.865	149	21985	4.383	ng	93
81) Benzo(a)anthracene	21.887	228	444308	41.599	ng	99
83) Chrysene	21.887	228	444308	44.098	ng	97
84) Bis(2-ethylhexyl)phtha...	21.746	149	50889	7.205	ng	99
87) Indeno(1,2,3-cd)pyrene	29.284	276	159580	14.369	ng	# 89
88) Benzo(b)fluoranthene	24.243	252	464618	47.173	ng	# 89
89) Benzo(k)fluoranthene	24.243	252	464618	47.298	ng	# 94
90) Benzo(a)pyrene	25.171	252	363717	43.256	ng	# 91
91) Dibenzo(a,h)anthracene	29.343	278	42513	4.649	ng	# 77
92) Benzo(g,h,i)perylene	30.524	276	143243	15.918	ng	# 87

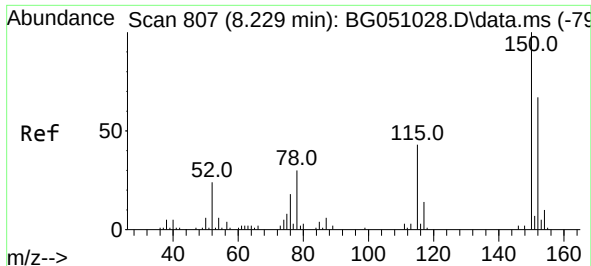
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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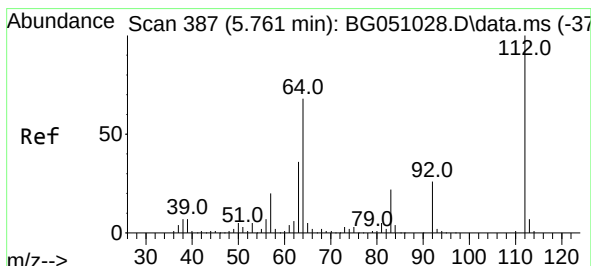
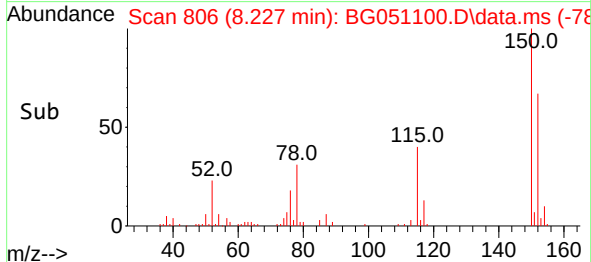
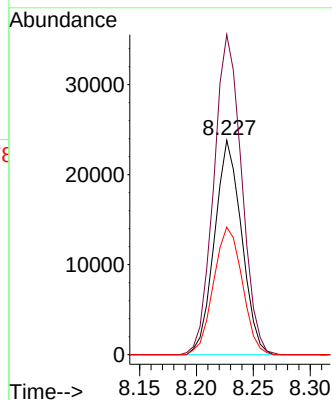
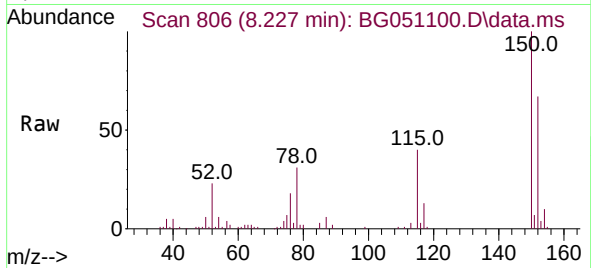




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.227 min Scan# 807
Delta R.T. -0.002 min
Lab File: BG051100.D
Acq: 17 Nov 2021 20:25

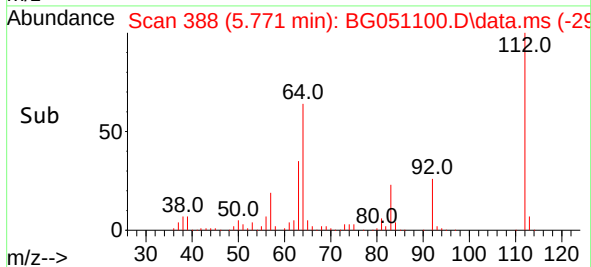
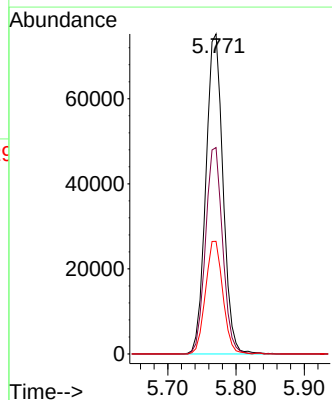
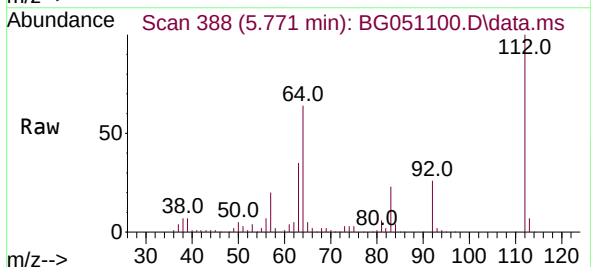
Instrument :
BNA_G
ClientSampleId :
UT-COMP-02

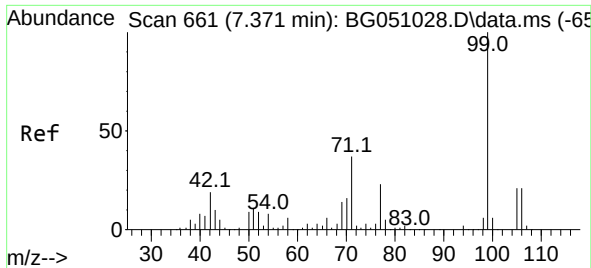
Tgt Ion:152 Resp: 39482
Ion Ratio Lower Upper
152 100
150 149.2 119.4 179.0
115 59.5 60.2 90.4#



#5
2-Fluorophenol
Concen: 49.742 ng
RT: 5.771 min Scan# 388
Delta R.T. 0.010 min
Lab File: BG051100.D
Acq: 17 Nov 2021 20:25

Tgt Ion:112 Resp: 131285
Ion Ratio Lower Upper
112 100
64 64.5 46.7 70.1
63 35.2 35.3 52.9#

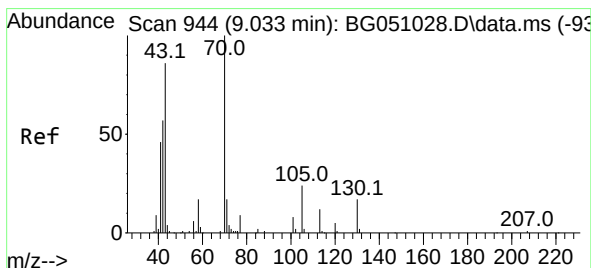
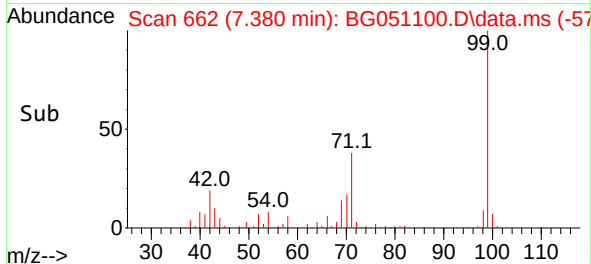
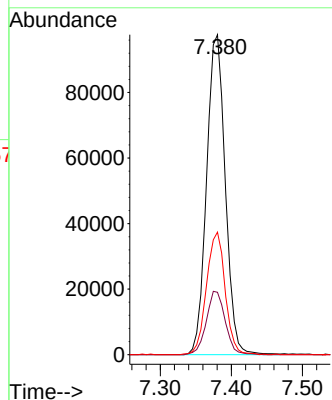
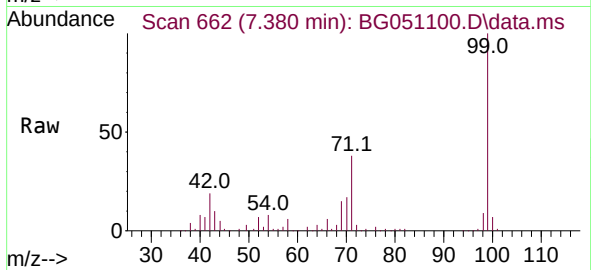




#7
Phenol-d6
Concen: 47.904 ng
RT: 7.380 min Scan# 60
Delta R.T. 0.009 min
Lab File: BG051100.D
Acq: 17 Nov 2021 20:25

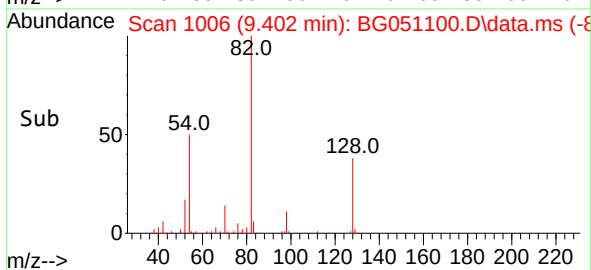
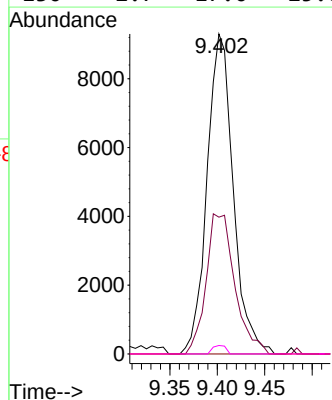
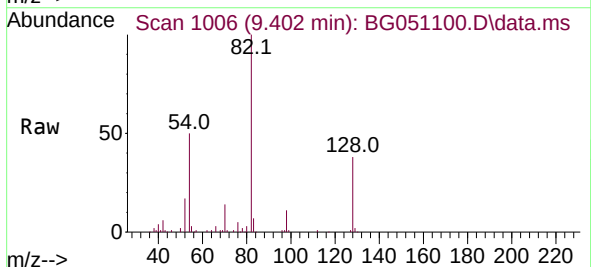
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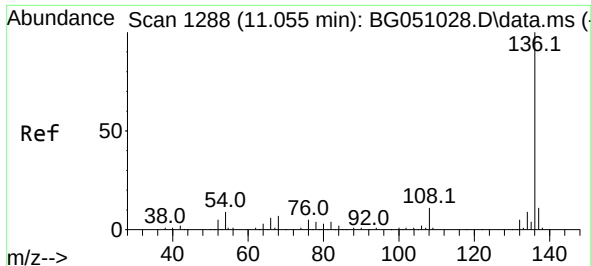
Tgt Ion: 99 Resp: 178456
Ion Ratio Lower Upper
99 100
42 19.5 20.5 30.7#
71 38.3 41.5 62.3#



#19
n-Nitroso-di-n-propylamine
Concen: 6.482 ng
RT: 9.402 min Scan# 1006
Delta R.T. 0.368 min
Lab File: BG051100.D
Acq: 17 Nov 2021 20:25

Tgt Ion: 70 Resp: 17845
Ion Ratio Lower Upper
70 100
42 42.7 54.5 81.7#
101 0.0 9.0 13.6#
130 2.7 17.0 25.6#

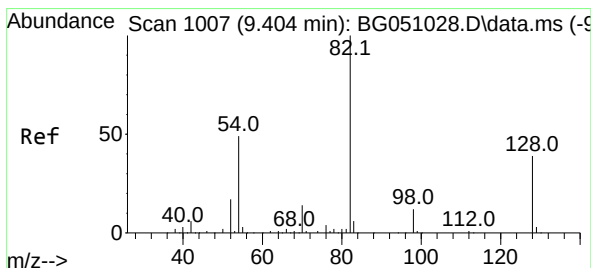
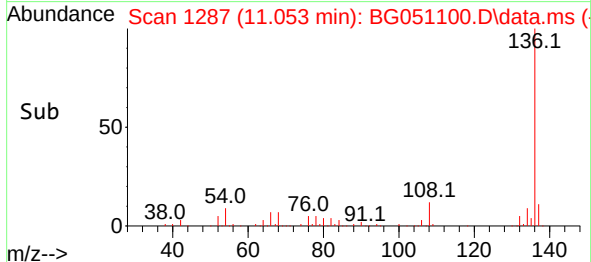
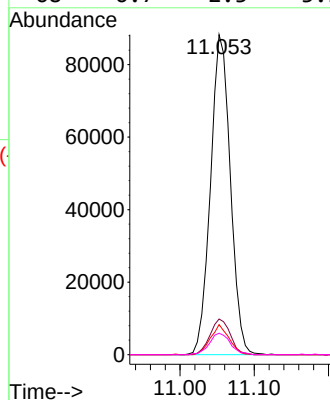
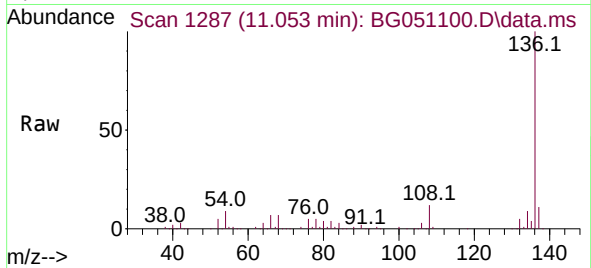




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.053 min Scan# 1100
Delta R.T. -0.002 min
Lab File: BG051100.D
Acq: 17 Nov 2021 20:25

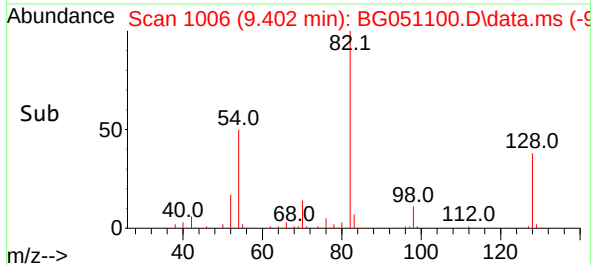
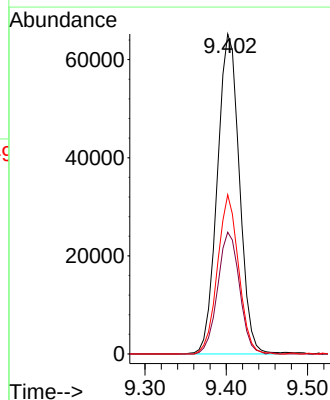
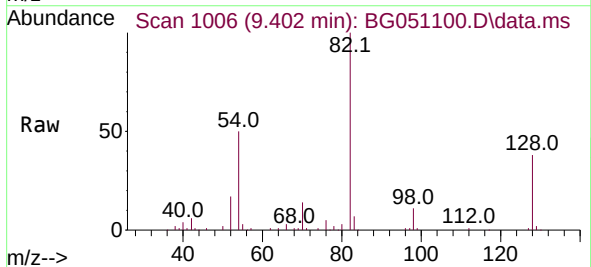
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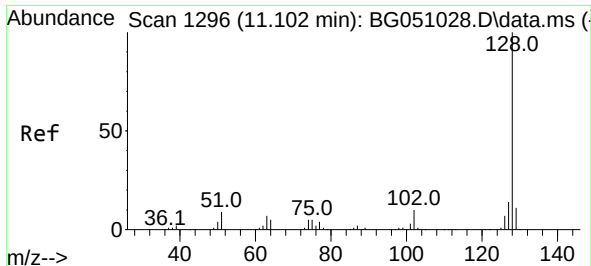
Tgt Ion:	136	Resp:	163990
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.2	12.2
54	9.4	5.5	8.3#
68	6.7	2.3	3.5#



#23
Nitrobenzene-d5
Concen: 33.279 ng
RT: 9.402 min Scan# 1006
Delta R.T. -0.002 min
Lab File: BG051100.D
Acq: 17 Nov 2021 20:25

Tgt Ion:	82	Resp:	123284
Ion Ratio	Lower	Upper	
82	100		
128	38.0	29.8	44.6
54	49.8	45.8	68.8

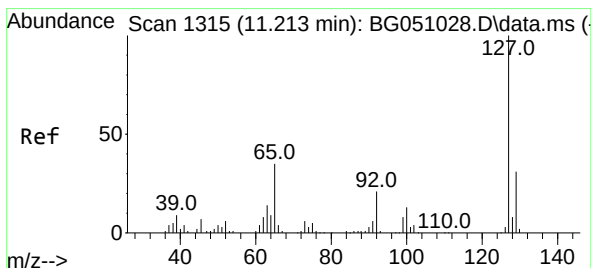
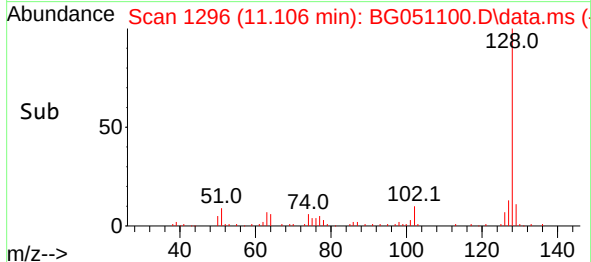
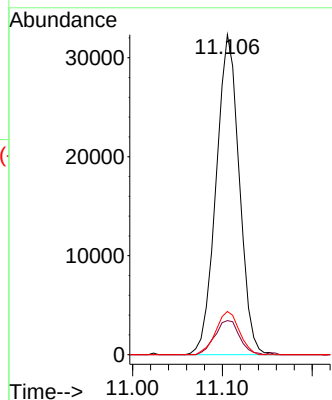
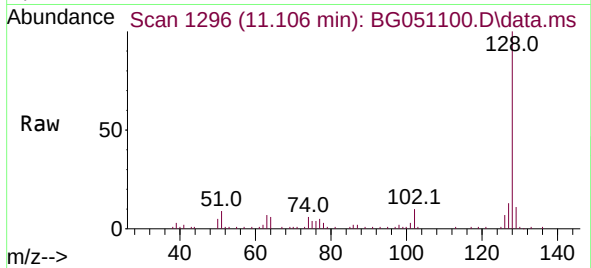




#31
Naphthalene
Concen: 6.572 ng
RT: 11.106 min Scan# 1296
Delta R.T. 0.004 min
Lab File: BG051100.D
Acq: 17 Nov 2021 20:25

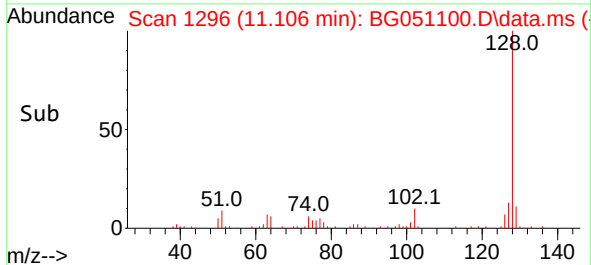
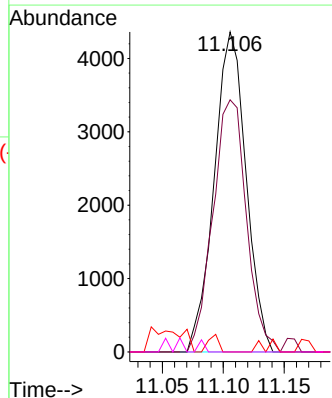
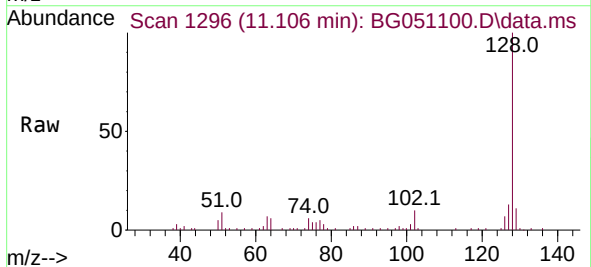
Instrument :
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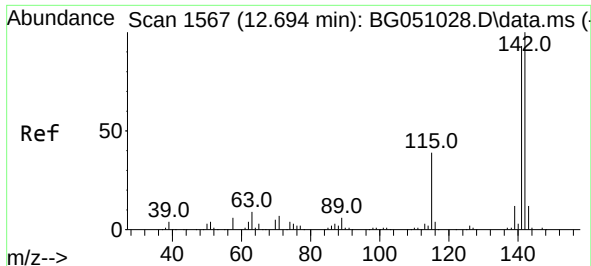
Tgt Ion:128 Resp: 57871
Ion Ratio Lower Upper
128 100
129 10.6 8.5 12.7
127 13.5 10.2 15.4



#33
4-Chloroaniline
Concen: 2.133 ng
RT: 11.106 min Scan# 1296
Delta R.T. -0.108 min
Lab File: BG051100.D
Acq: 17 Nov 2021 20:25

Tgt Ion:127 Resp: 7934
Ion Ratio Lower Upper
127 100
129 78.8 26.7 40.1#
65 0.0 32.8 49.2#
92 0.0 16.2 24.4#

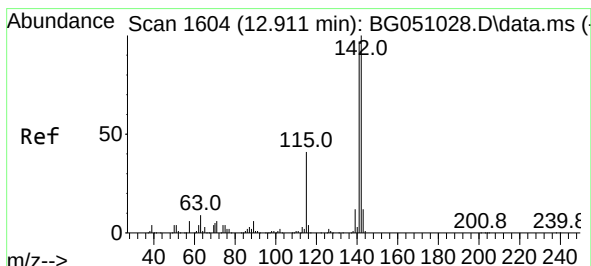
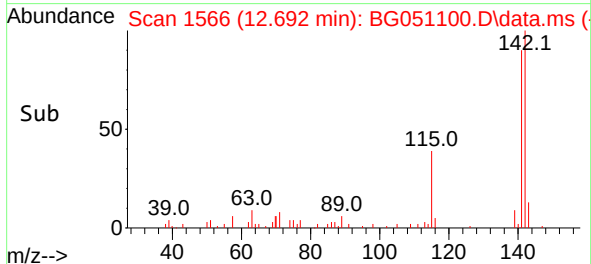
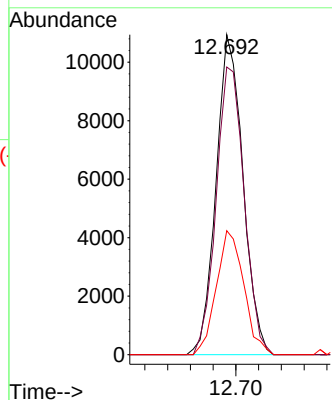
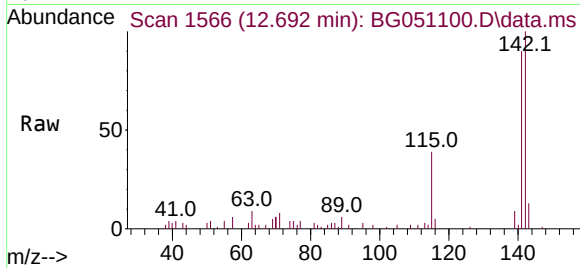




#37
2-Methylnaphthalene
Concen: 3.004 ng
RT: 12.692 min Scan# 1566
Delta R.T. -0.002 min
Lab File: BG051100.D
Acq: 17 Nov 2021 20:25

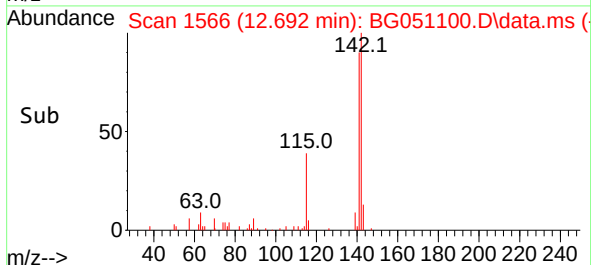
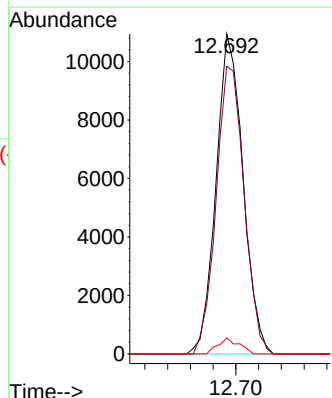
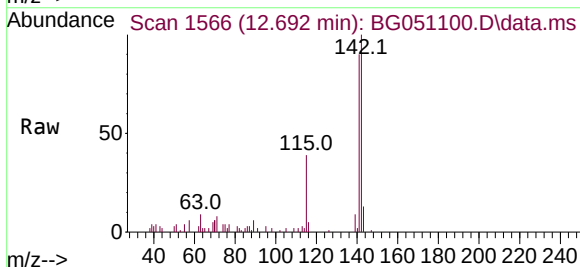
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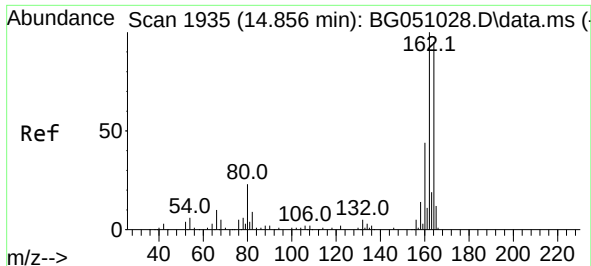
Tgt Ion:142 Resp: 17972
Ion Ratio Lower Upper
142 100
141 89.9 68.8 103.2
115 38.8 36.4 54.6



#38
1-Methylnaphthalene
Concen: 3.073 ng
RT: 12.692 min Scan# 1566
Delta R.T. -0.219 min
Lab File: BG051100.D
Acq: 17 Nov 2021 20:25

Tgt Ion:142 Resp: 17972
Ion Ratio Lower Upper
142 100
141 89.9 70.6 106.0
116 5.0 4.0 6.0

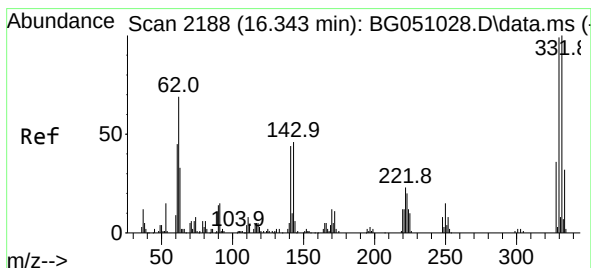
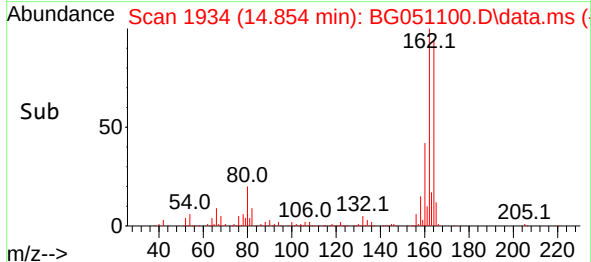
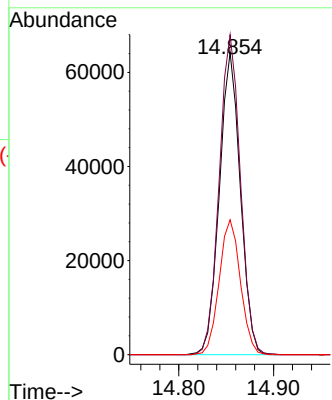
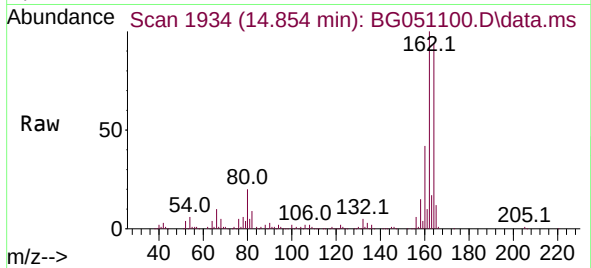




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.854 min Scan# 1935
Delta R.T. -0.002 min
Lab File: BG051100.D
Acq: 17 Nov 2021 20:25

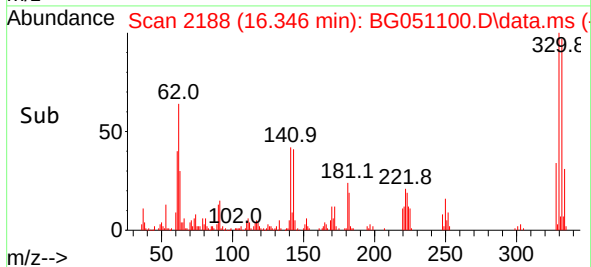
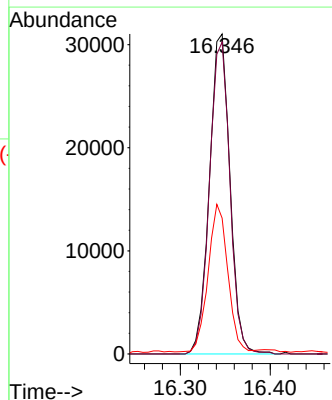
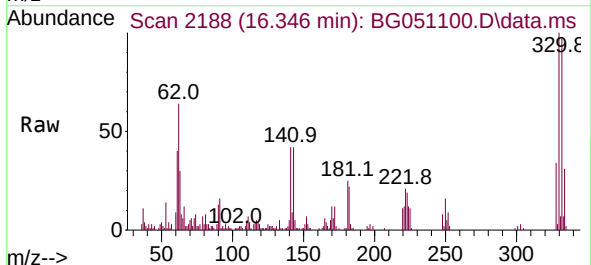
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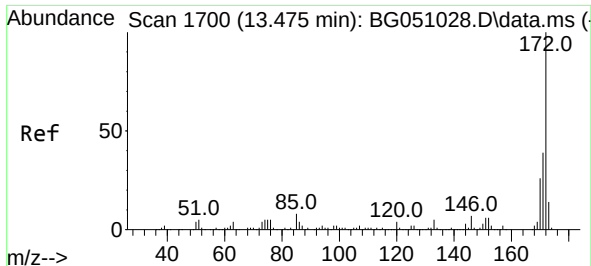
Tgt Ion:164 Resp: 98841
Ion Ratio Lower Upper
164 100
162 105.9 81.4 122.0
160 44.7 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 49.884 ng
RT: 16.346 min Scan# 2188
Delta R.T. 0.003 min
Lab File: BG051100.D
Acq: 17 Nov 2021 20:25

Tgt Ion:330 Resp: 49342
Ion Ratio Lower Upper
330 100
332 96.8 77.3 115.9
141 43.8 35.6 53.4

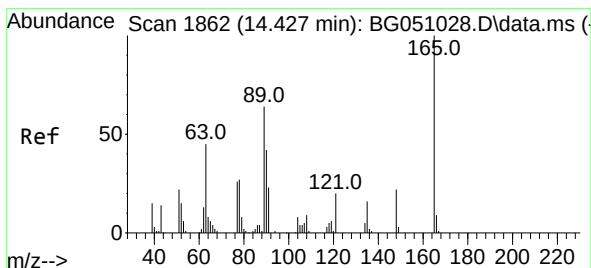
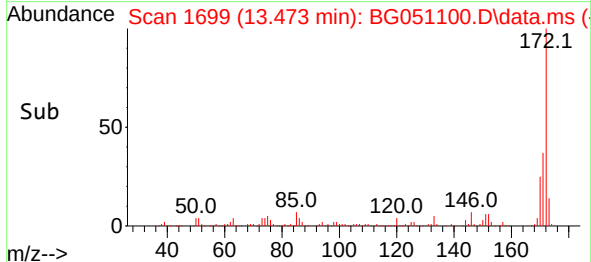
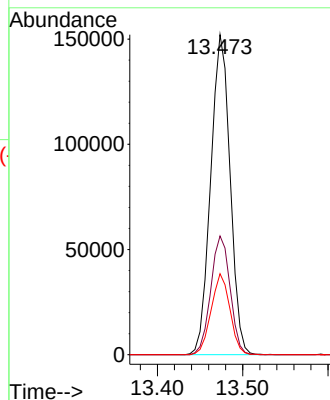
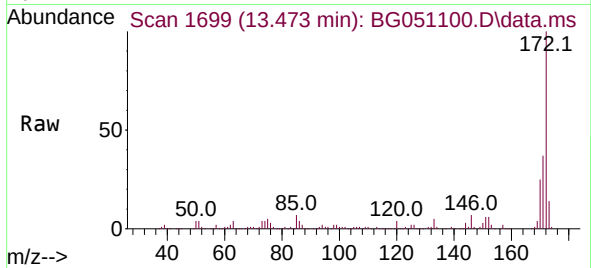




#45
2-Fluorobiphenyl
Concen: 38.545 ng
RT: 13.473 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG051100.D
Acq: 17 Nov 2021 20:25

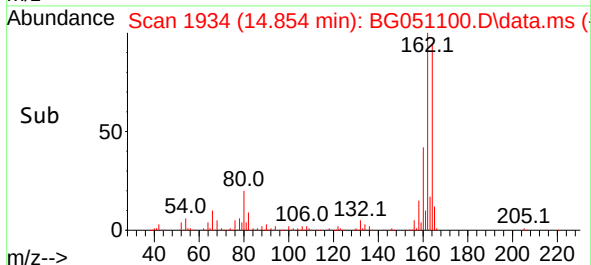
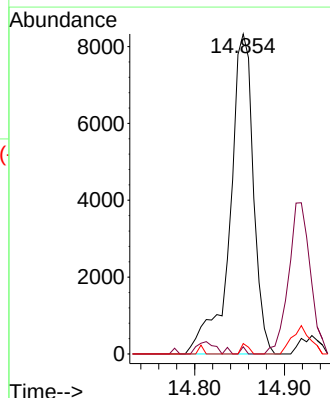
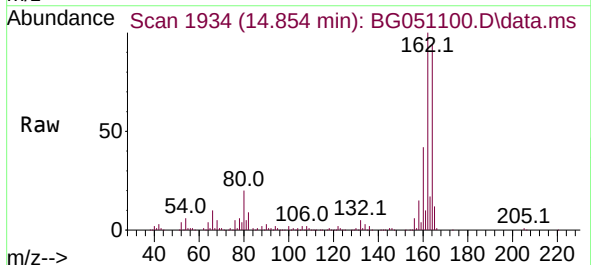
Instrument :
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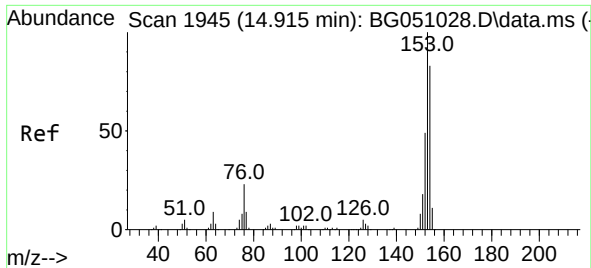
Tgt Ion:172 Resp: 241124
Ion Ratio Lower Upper
172 100
171 37.1 28.6 43.0
170 25.3 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 9.404 ng
RT: 14.854 min Scan# 1934
Delta R.T. 0.427 min
Lab File: BG051100.D
Acq: 17 Nov 2021 20:25

Tgt Ion:165 Resp: 15051
Ion Ratio Lower Upper
165 100
63 2.3 63.3 94.9#
89 3.2 63.4 95.0#

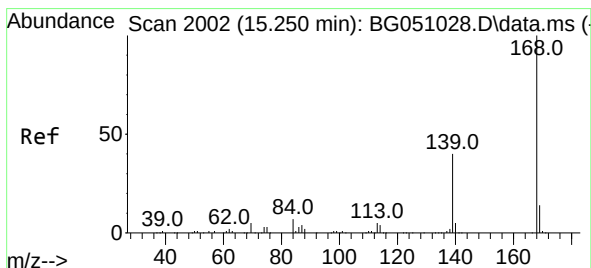
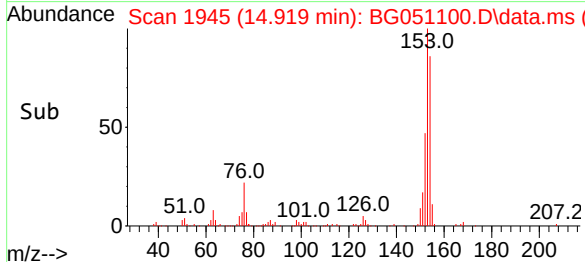
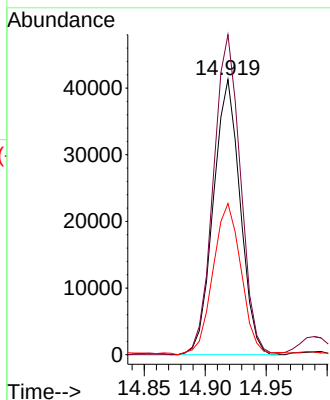
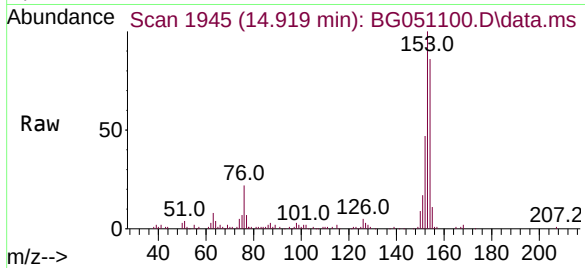




#52
Acenaphthene
Concen: 11.836 ng
RT: 14.919 min Scan# 1945
Delta R.T. 0.004 min
Lab File: BG051100.D
Acq: 17 Nov 2021 20:25

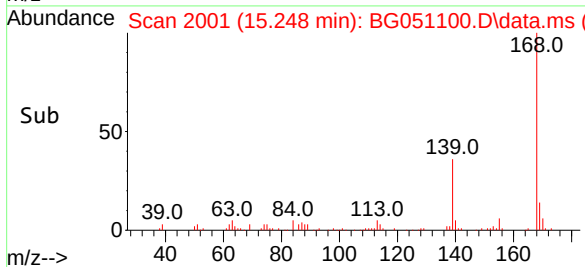
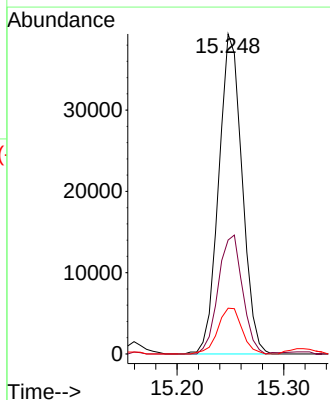
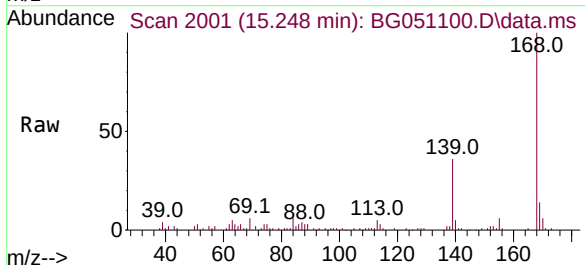
Instrument :
BNA_G
ClientSampleId :
UT-COMP-02

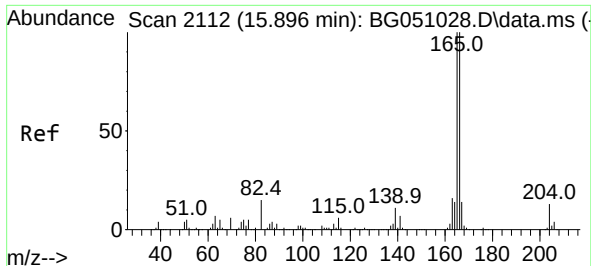
Tgt Ion:154 Resp: 63123
Ion Ratio Lower Upper
154 100
153 116.3 87.0 130.4
152 54.9 40.1 60.1



#55
Dibenzofuran
Concen: 6.600 ng
RT: 15.248 min Scan# 2001
Delta R.T. -0.002 min
Lab File: BG051100.D
Acq: 17 Nov 2021 20:25

Tgt Ion:168 Resp: 59864
Ion Ratio Lower Upper
168 100
139 35.6 33.4 50.2
169 14.3 12.3 18.5

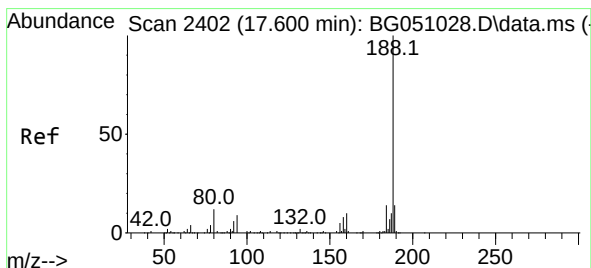
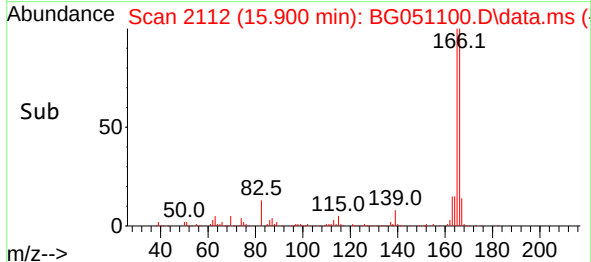
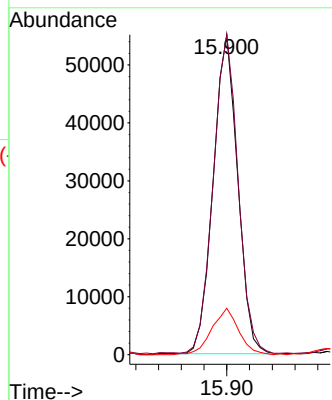
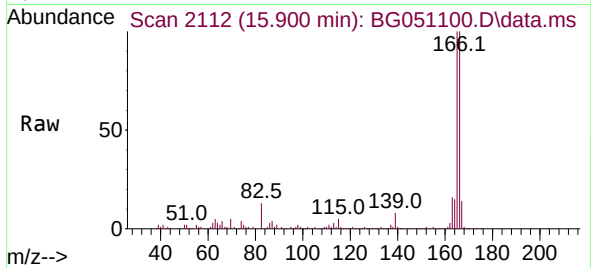




#58
 Fluorene
 Concen: 11.602 ng
 RT: 15.900 min Scan# 2112
 Delta R.T. 0.004 min
 Lab File: BG051100.D
 Acq: 17 Nov 2021 20:25

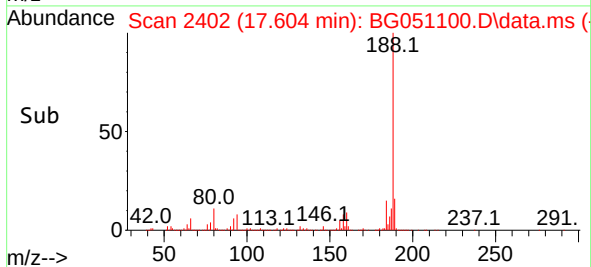
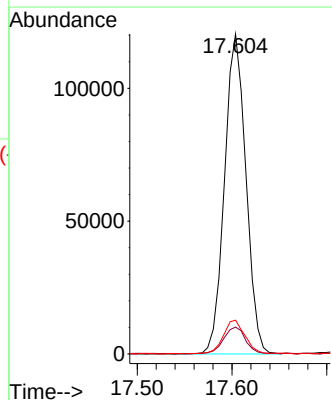
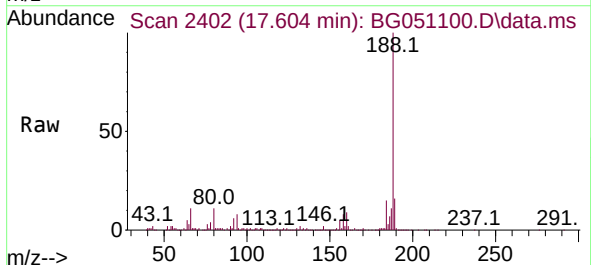
Instrument :
 BNA_G
 ClientSampleId :
 UT-COMP-02

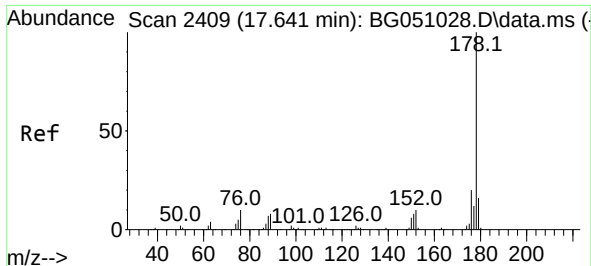
Tgt Ion:166 Resp: 82148
 Ion Ratio Lower Upper
 166 100
 165 100.0 77.7 116.5
 167 14.5 10.8 16.2



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.604 min Scan# 2402
 Delta R.T. 0.004 min
 Lab File: BG051100.D
 Acq: 17 Nov 2021 20:25

Tgt Ion:188 Resp: 188821
 Ion Ratio Lower Upper
 188 100
 94 8.4 5.4 8.0#
 80 10.6 3.7 5.5#

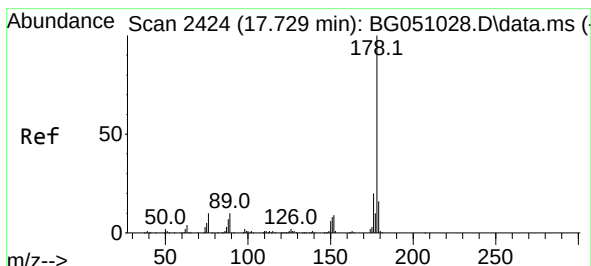
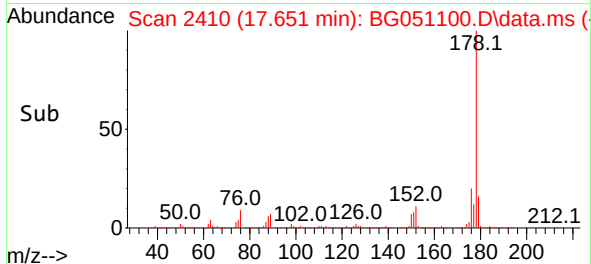
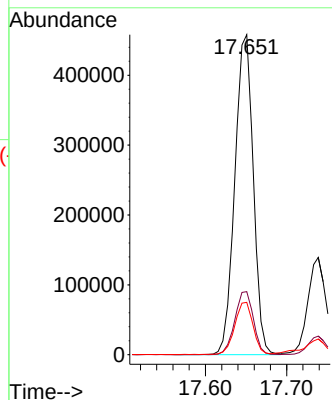
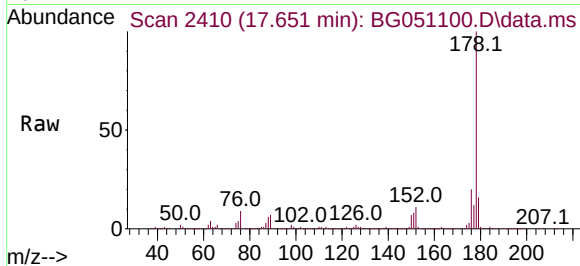




#71
Phenanthrene
Concen: 71.639 ng
RT: 17.651 min Scan# 2409
Delta R.T. 0.010 min
Lab File: BG051100.D
Acq: 17 Nov 2021 20:25

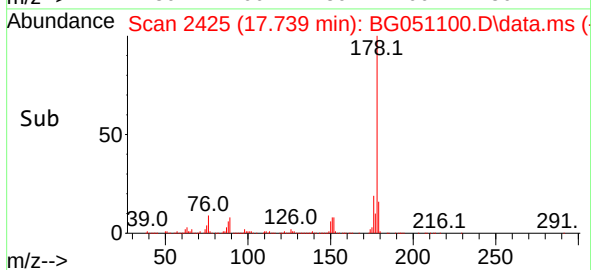
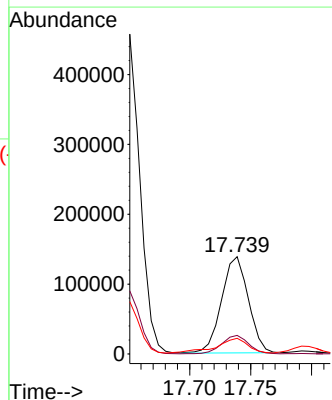
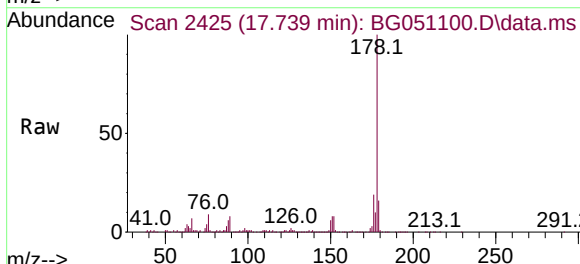
Instrument :
BNA_G
ClientSampleId :
UT-COMP-02

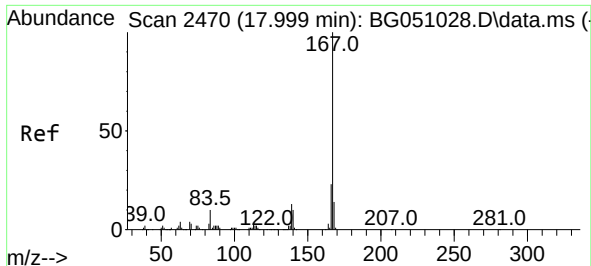
Tgt Ion:178 Resp: 721534
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 16.4 14.2 21.4



#72
Anthracene
Concen: 21.017 ng
RT: 17.739 min Scan# 2425
Delta R.T. 0.010 min
Lab File: BG051100.D
Acq: 17 Nov 2021 20:25

Tgt Ion:178 Resp: 210528
Ion Ratio Lower Upper
178 100
176 19.2 14.6 21.8
179 16.1 13.4 20.0

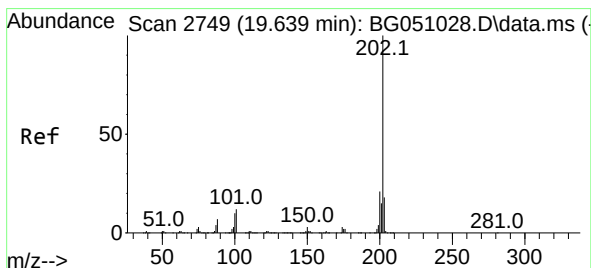
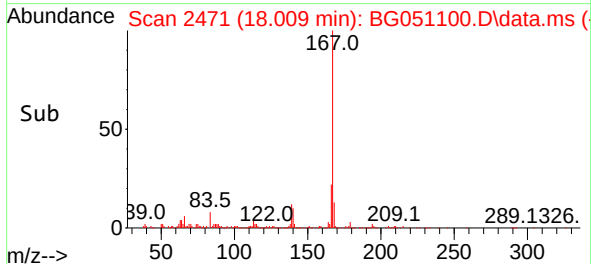
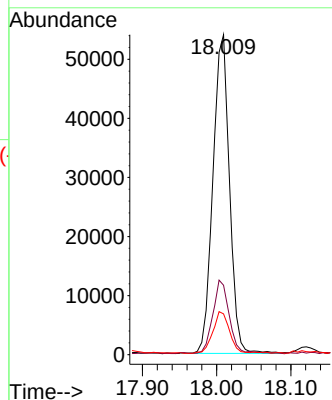
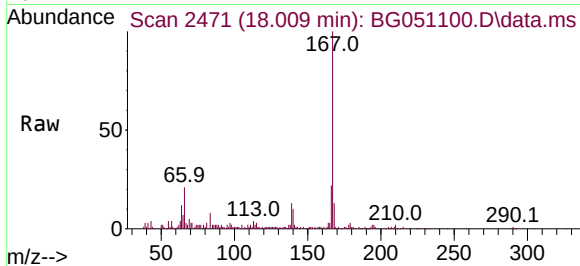




#73
 Carbazole
 Concen: 8.413 ng
 RT: 18.009 min Scan# 2470
 Delta R.T. 0.010 min
 Lab File: BG051100.D
 Acq: 17 Nov 2021 20:25

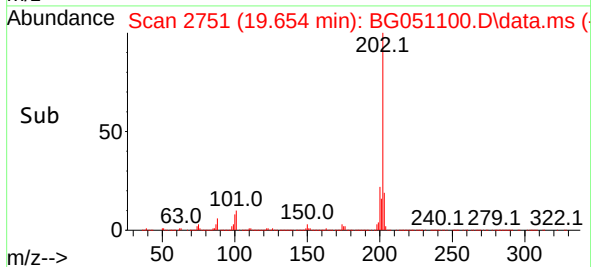
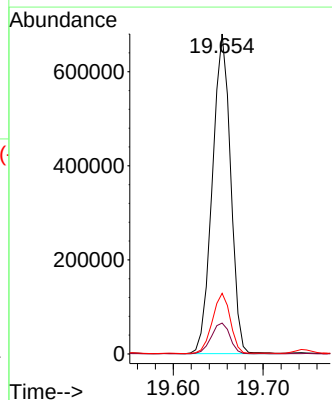
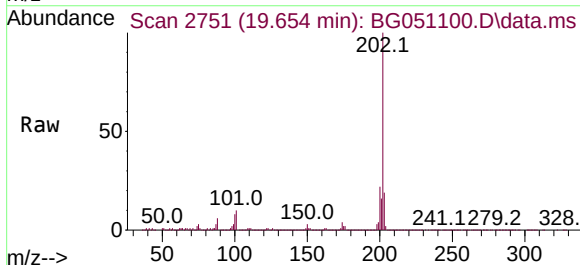
Instrument :
 BNA_G
 ClientSampleId :
 UT-COMP-02

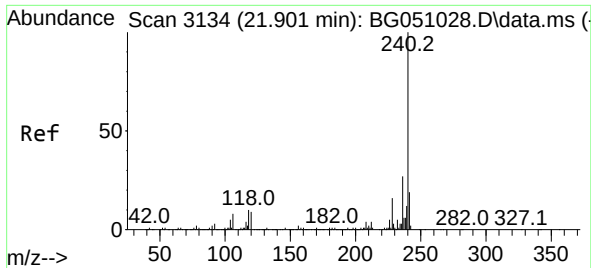
Tgt Ion:167 Resp: 83454
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.4 26.2
 139 12.7 10.7 16.1



#75
 Fluoranthene
 Concen: 77.672 ng
 RT: 19.654 min Scan# 2751
 Delta R.T. 0.015 min
 Lab File: BG051100.D
 Acq: 17 Nov 2021 20:25

Tgt Ion:202 Resp: 959763
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 24.7
 203 18.9 0.0 38.5

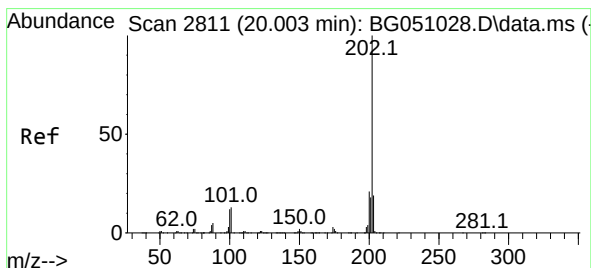
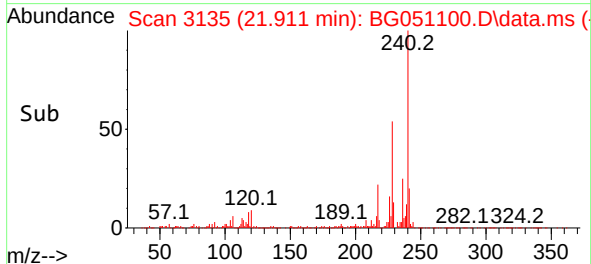
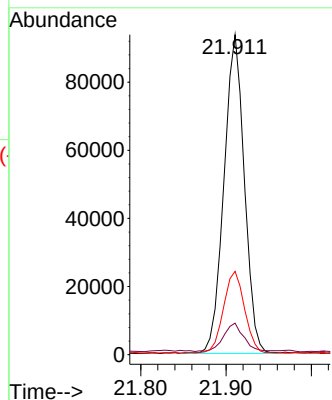
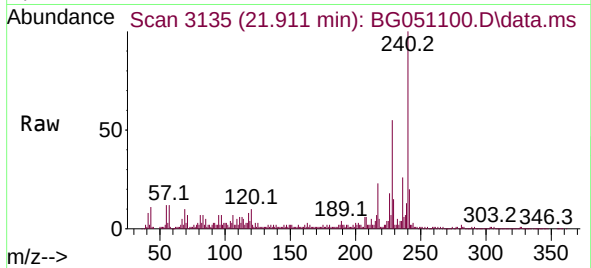




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.911 min Scan# 31
Delta R.T. 0.010 min
Lab File: BG051100.D
Acq: 17 Nov 2021 20:25

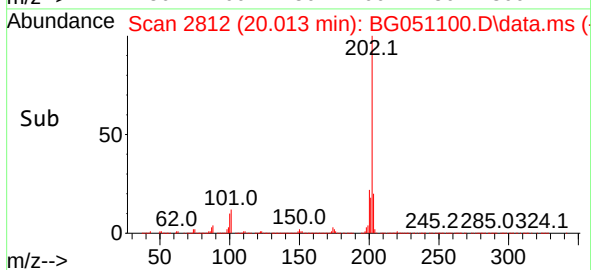
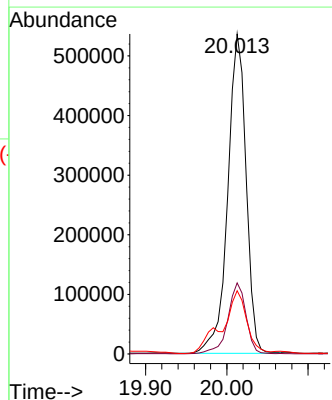
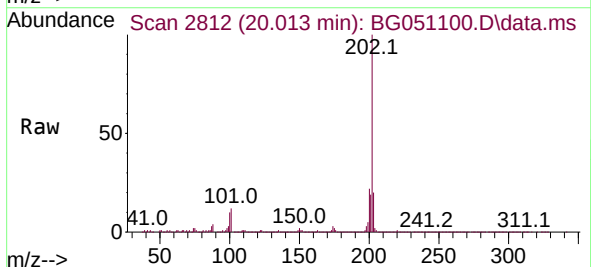
Instrument :
BNA_G
ClientSampleId :
UT-COMP-02

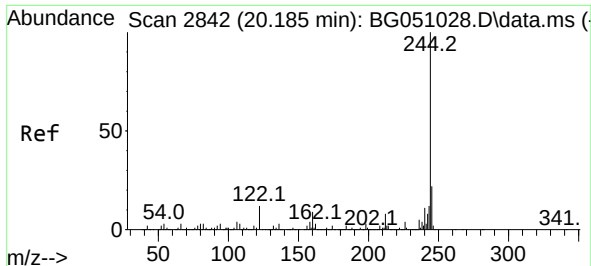
Tgt Ion:240 Resp: 155547
Ion Ratio Lower Upper
240 100
120 9.9 4.2 6.2#
236 26.1 21.8 32.6



#78
Pyrene
Concen: 72.041 ng
RT: 20.013 min Scan# 2812
Delta R.T. 0.010 min
Lab File: BG051100.D
Acq: 17 Nov 2021 20:25

Tgt Ion:202 Resp: 840653
Ion Ratio Lower Upper
202 100
200 22.2 15.8 23.8
203 19.8 14.6 21.8

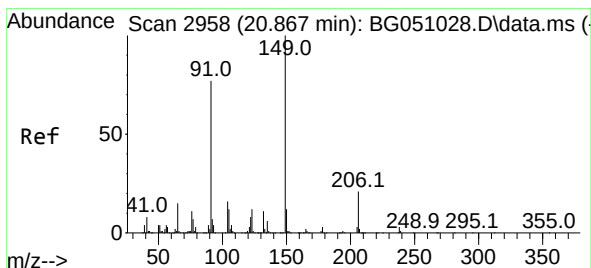
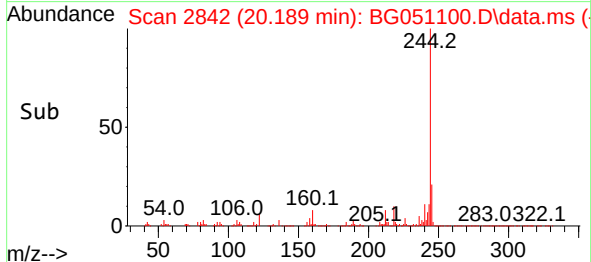
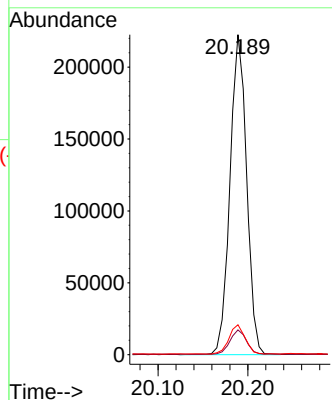
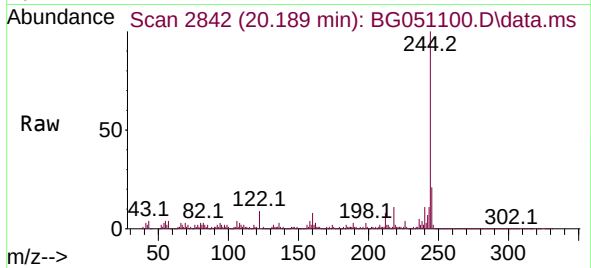




#79
 Terphenyl-d14
 Concen: 33.683 ng
 RT: 20.189 min Scan# 21
 Delta R.T. 0.004 min
 Lab File: BG051100.D
 Acq: 17 Nov 2021 20:25

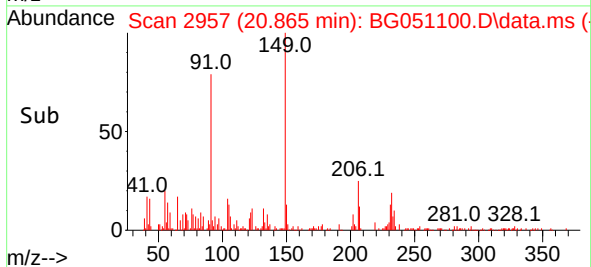
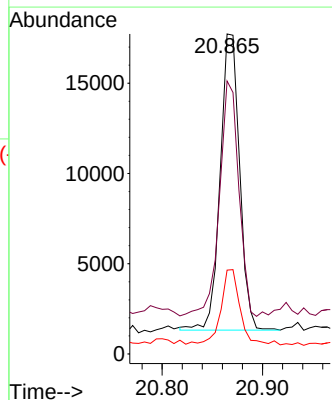
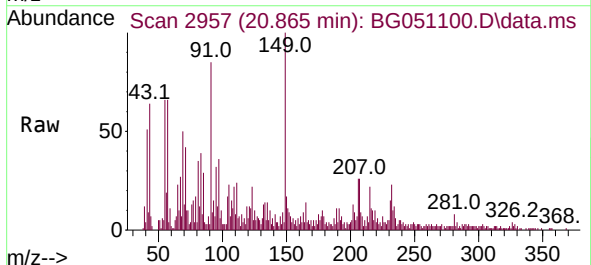
Instrument :
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 ClientSampleId :
 UT-COMP-02

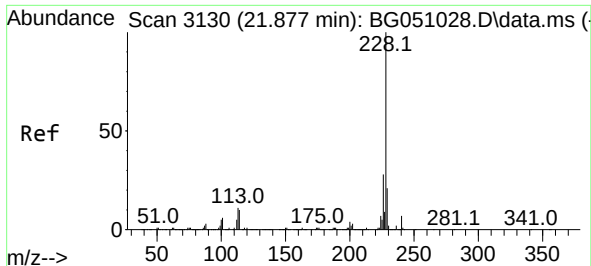
Tgt Ion:244 Resp: 286334
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.9 10.3
 122 9.4 5.0 7.6#



#80
 Butylbenzylphthalate
 Concen: 4.383 ng
 RT: 20.865 min Scan# 2957
 Delta R.T. -0.002 min
 Lab File: BG051100.D
 Acq: 17 Nov 2021 20:25

Tgt Ion:149 Resp: 21985
 Ion Ratio Lower Upper
 149 100
 91 85.3 63.4 95.2
 206 26.2 18.4 27.6

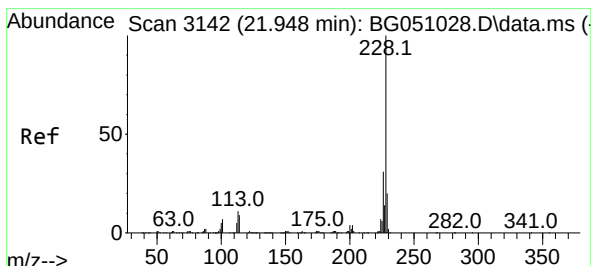
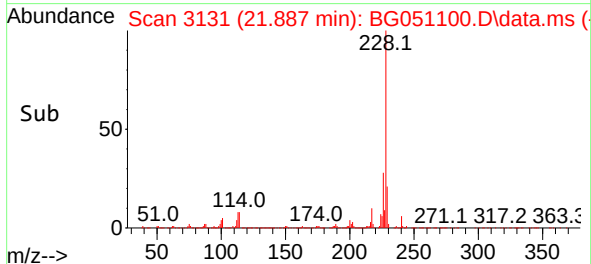
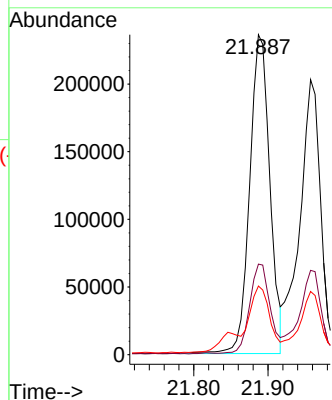
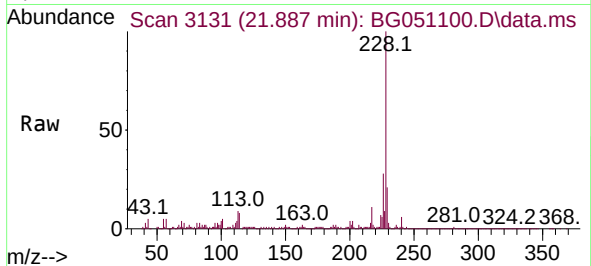




#81
Benzo(a)anthracene
Concen: 41.599 ng
RT: 21.887 min Scan# 3131
Delta R.T. 0.010 min
Lab File: BG051100.D
Acq: 17 Nov 2021 20:25

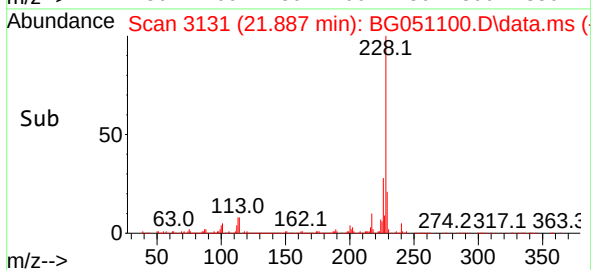
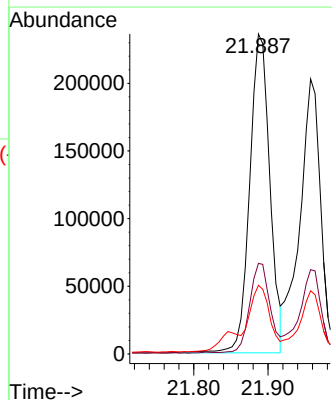
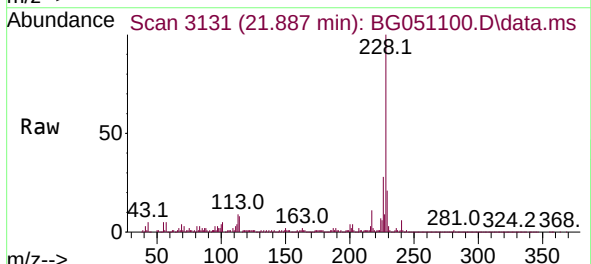
Instrument :
BNA_G
ClientSampleId :
UT-COMP-02

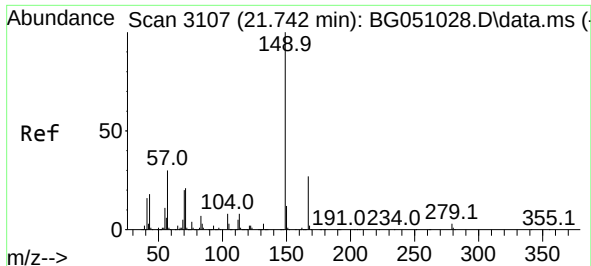
Tgt Ion:228 Resp: 444308
Ion Ratio Lower Upper
228 100
226 28.3 22.7 34.1
229 21.4 16.0 24.0



#83
Chrysene
Concen: 44.098 ng
RT: 21.887 min Scan# 3131
Delta R.T. -0.061 min
Lab File: BG051100.D
Acq: 17 Nov 2021 20:25

Tgt Ion:228 Resp: 444308
Ion Ratio Lower Upper
228 100
226 28.3 23.1 34.7
229 21.4 15.3 22.9

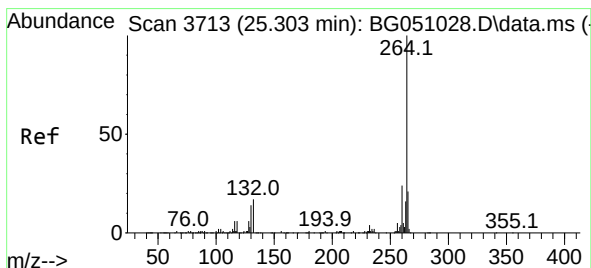
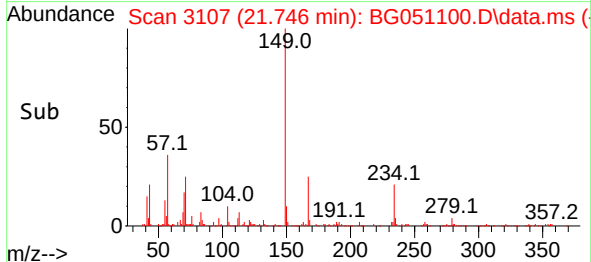
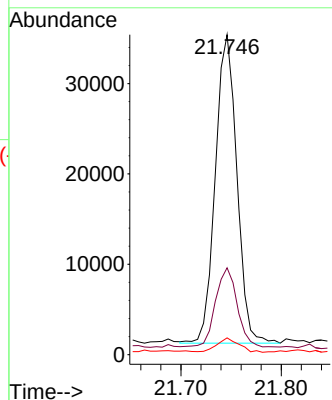
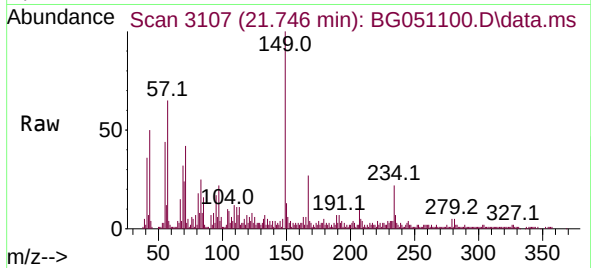




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 7.205 ng
 RT: 21.746 min Scan# 3107
 Delta R.T. 0.004 min
 Lab File: BG051100.D
 Acq: 17 Nov 2021 20:25

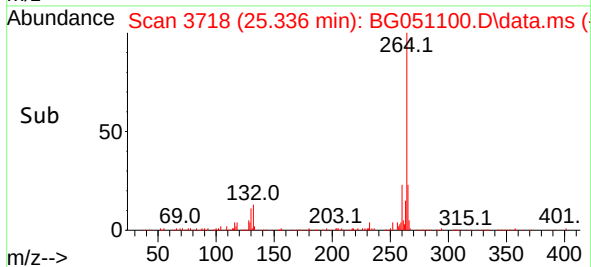
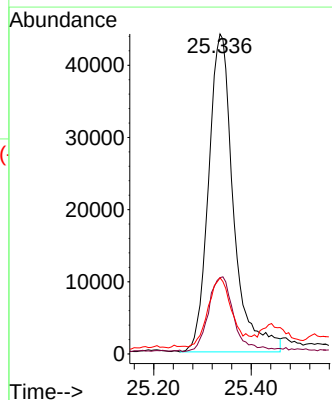
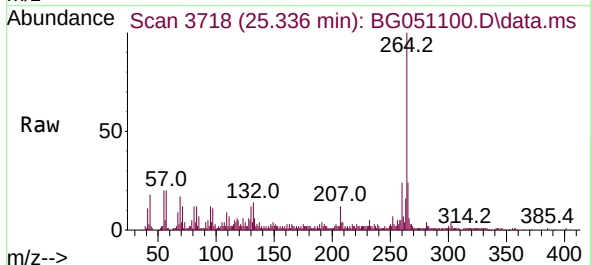
Instrument :
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 ClientSampleId :
 UT-COMP-02

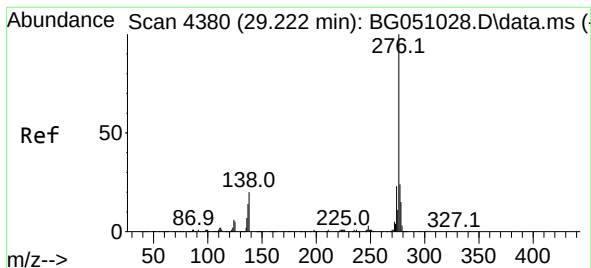
Tgt Ion:149 Resp: 50889
 Ion Ratio Lower Upper
 149 100
 167 27.1 22.3 33.5
 279 5.3 3.8 5.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.336 min Scan# 3718
 Delta R.T. 0.033 min
 Lab File: BG051100.D
 Acq: 17 Nov 2021 20:25

Tgt Ion:264 Resp: 156471
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.4 29.2
 265 23.8 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 14.369 ng

RT: 29.284 min Scan# 41

Delta R.T. 0.063 min

Lab File: BG051100.D

Acq: 17 Nov 2021 20:25

Instrument :

BNA_G

ClientSampleId :

UT-COMP-02

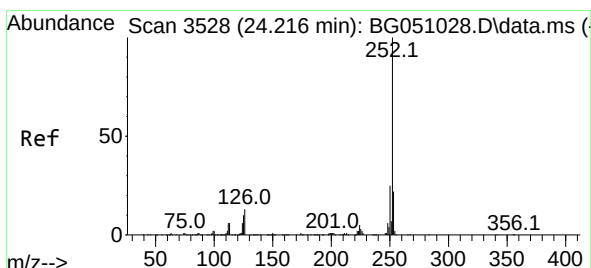
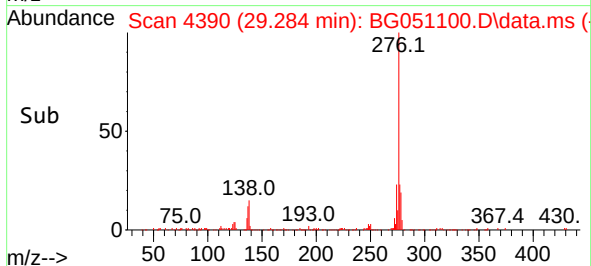
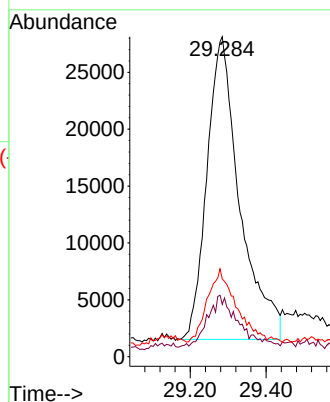
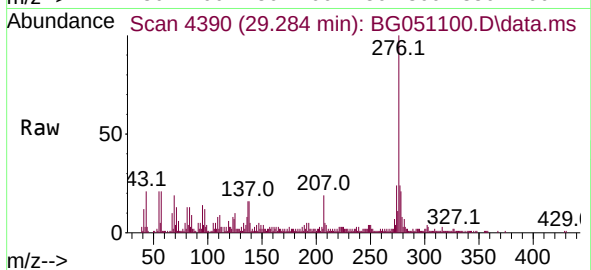
Tgt Ion:276 Resp: 159580

Ion Ratio Lower Upper

276 100

138 15.5 5.1 7.7#

277 21.1 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 47.173 ng

RT: 24.243 min Scan# 3532

Delta R.T. 0.027 min

Lab File: BG051100.D

Acq: 17 Nov 2021 20:25

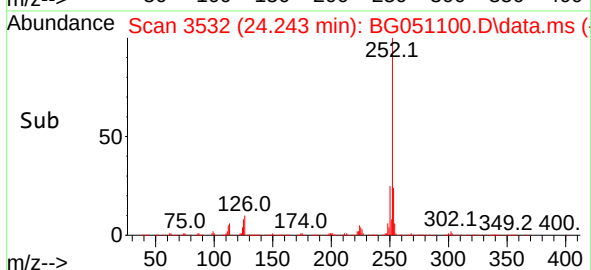
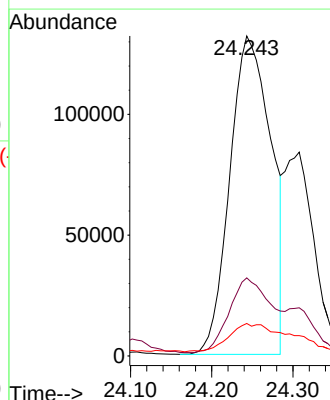
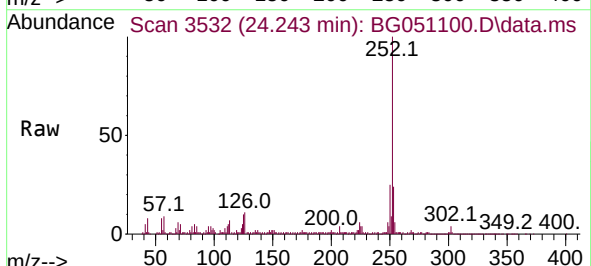
Tgt Ion:252 Resp: 464618

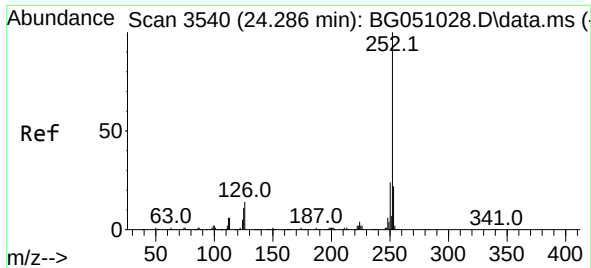
Ion Ratio Lower Upper

252 100

253 24.4 16.2 24.4#

125 10.1 3.0 4.4#

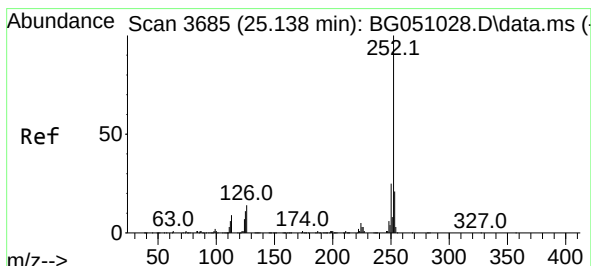
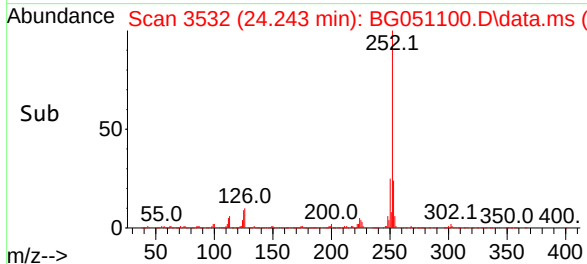
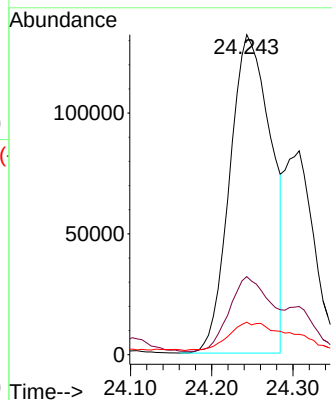
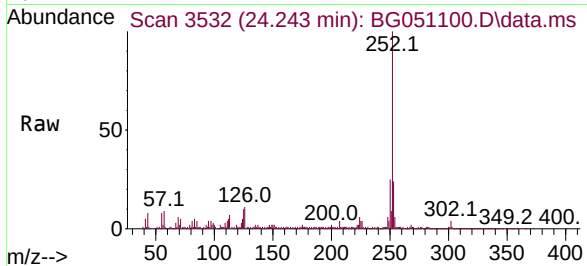




#89
Benzo(k)fluoranthene
Concen: 47.298 ng
RT: 24.243 min Scan# 31
Delta R.T. -0.043 min
Lab File: BG051100.D
Acq: 17 Nov 2021 20:25

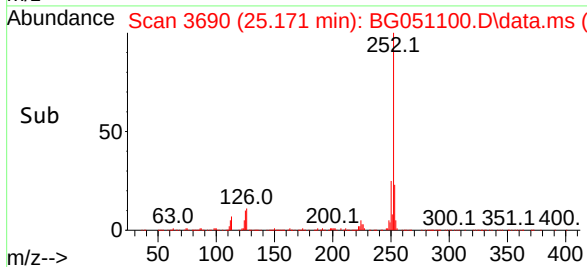
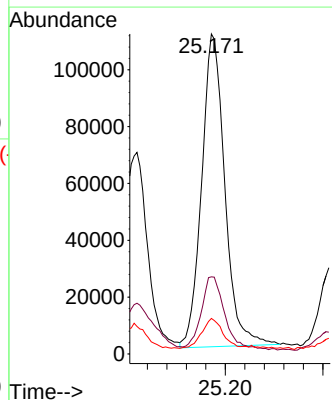
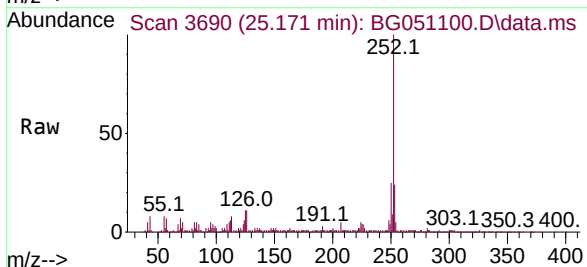
Instrument :
BNA_G
ClientSampleId :
UT-COMP-02

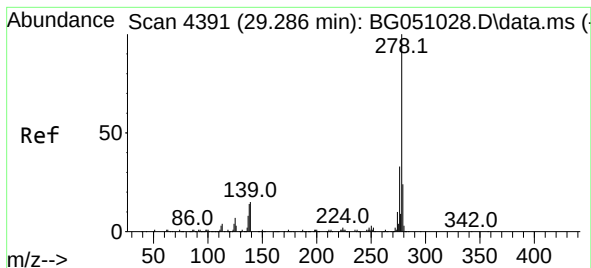
Tgt Ion:252 Resp: 464618
Ion Ratio Lower Upper
252 100
253 24.4 18.0 27.0
125 10.1 3.1 4.7#



#90
Benzo(a)pyrene
Concen: 43.256 ng
RT: 25.171 min Scan# 3690
Delta R.T. 0.033 min
Lab File: BG051100.D
Acq: 17 Nov 2021 20:25

Tgt Ion:252 Resp: 363717
Ion Ratio Lower Upper
252 100
253 24.1 16.6 25.0
125 11.1 3.5 5.3#





#91

Dibenzo(a,h)anthracene

Concen: 4.649 ng

RT: 29.343 min Scan# 4401

Delta R.T. 0.057 min

Lab File: BG051100.D

Acq: 17 Nov 2021 20:25

Instrument :

BNA_G

ClientSampleId :

UT-COMP-02

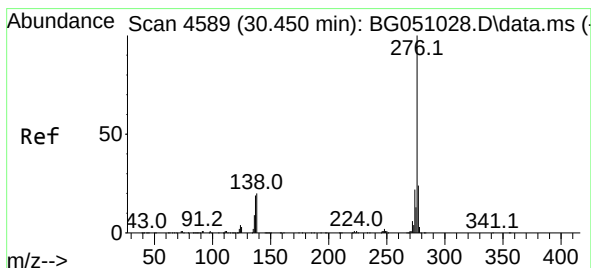
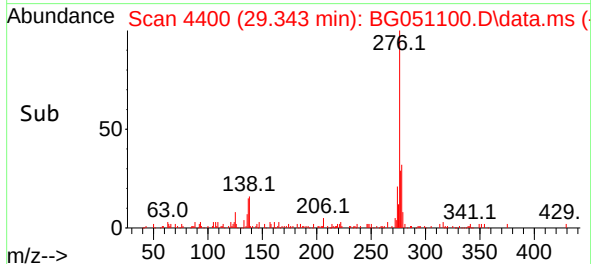
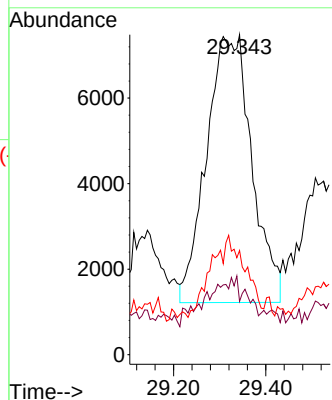
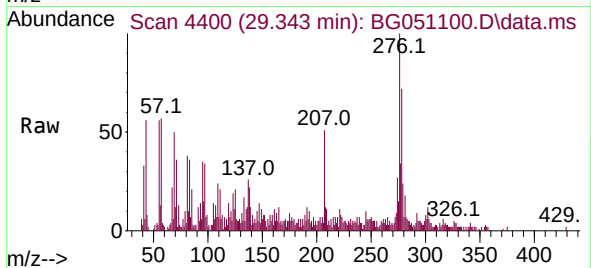
Tgt Ion:278 Resp: 42513

Ion Ratio Lower Upper

278 100

139 16.7 4.6 6.8#

279 32.6 17.9 26.9#



#92

Benzo(g,h,i)perylene

Concen: 15.918 ng

RT: 30.524 min Scan# 4601

Delta R.T. 0.074 min

Lab File: BG051100.D

Acq: 17 Nov 2021 20:25

Tgt Ion:276 Resp: 143243

Ion Ratio Lower Upper

276 100

277 26.0 18.4 27.6

138 19.3 7.0 10.6#

