

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011618\
 Data File : BG032100.D
 Acq On : 17 Jan 2018 10:27
 Operator : SJ/JU
 Sample : J1022-07
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-03-011218

Quant Time: Jan 17 11:56:53 2018
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 15 10:05:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.77	152	45187	20.00	ng	0.00
21) Naphthalene-d8	11.65	136	178415	20.00	ng	0.00
38) Acenaphthene-d10	15.39	164	124259	20.00	ng	0.00
63) Phenanthrene-d10	18.13	188	338741	20.00	ng	0.00
75) Chrysene-d12	22.47	240	408257	20.00	ng	-0.01
86) Perylene-d12	26.18	264	414837	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.19	112	298980	121.01	ng	0.00
7) Phenol-d6	7.87	99	355279	114.18	ng	0.00
23) Nitrobenzene-d5	9.97	82	244428	92.69	ng	0.00
41) 2,4,6-Tribromophenol	16.87	330	256863	124.92	ng	0.00
44) 2-Fluorobiphenyl	14.03	172	868759	86.69	ng	0.00
78) Terphenyl-d14	20.66	244	1721475	93.11	ng	0.00

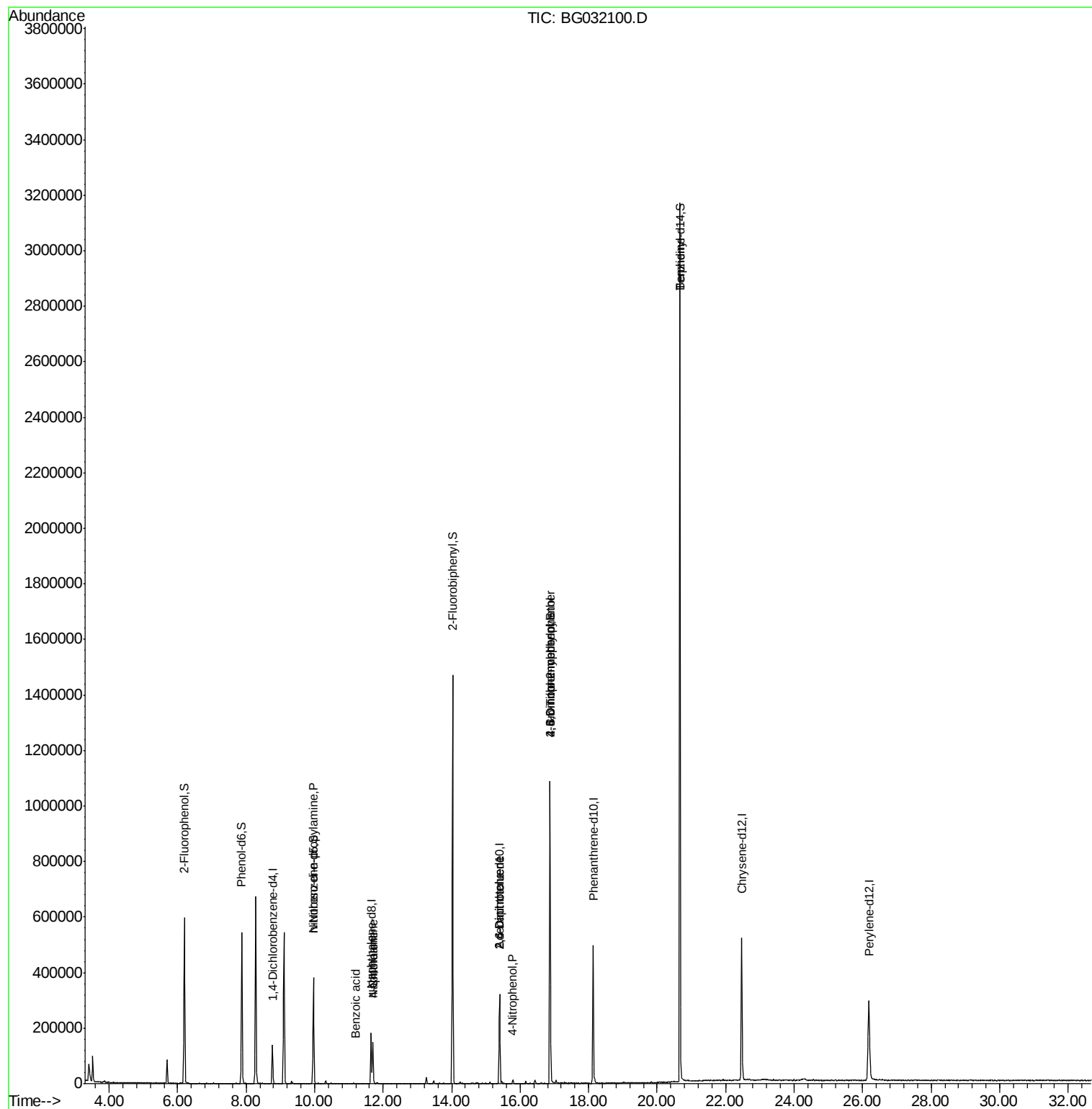
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.97	70	33226	17.210	ng	# 73
31) Naphthalene	11.70	128	139375	15.769	ng	# 99
32) Benzoic acid	11.20	122	69	5.287	ng	# 1
33) 4-Chloroaniline	11.70	127	18882	4.982	ng	# 39
50) 2,6-Dinitrotoluene	15.40	165	15817	7.008	ng	# 21
55) 4-Nitrophenol	15.79	139	3363	2.264	ng	# 1
56) 2,4-Dinitrotoluene	15.40	165	15817	5.205	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.87	198	645	5.152	ng	# 25
66) 4-Bromophenyl-phenylether	16.87	248	21229	4.405	ng	# 1
76) Benzidine	20.66	184	22988	2.252	ng	# 88

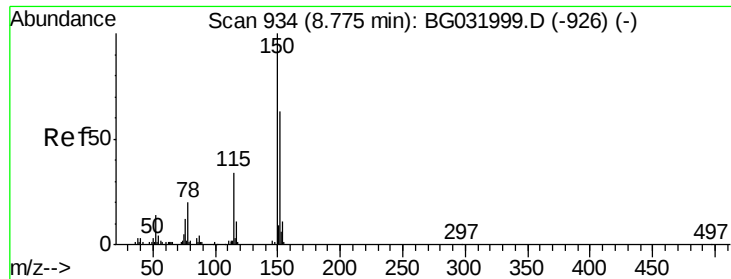
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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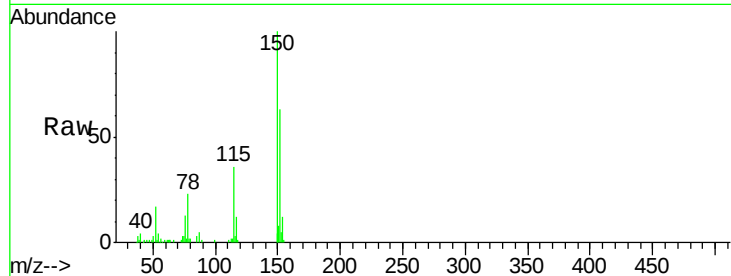


#1

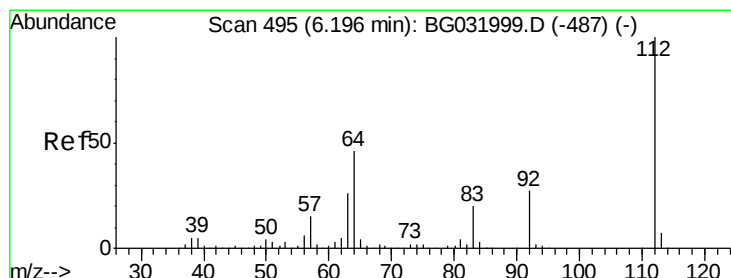
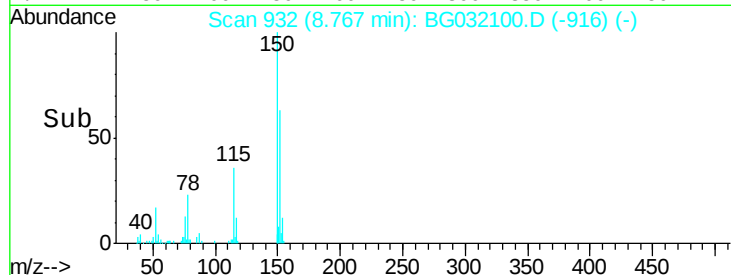
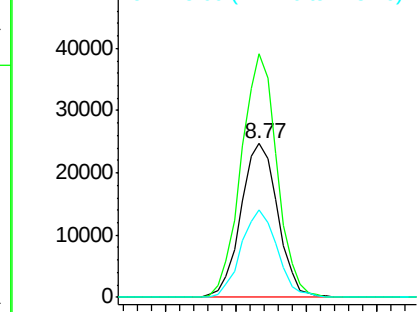
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.77 min Scan# 932
Delta R.T. -0.01 min
Lab File: BG032100.D
Acq: 17 Jan 2018 10:27

Instrument :
BNA_G
ClientSampleId :
SU-03-011218

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.2	126.6	189.8
115	56.4	53.0	79.4



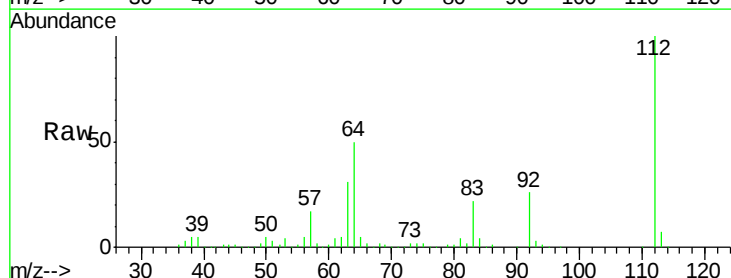
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



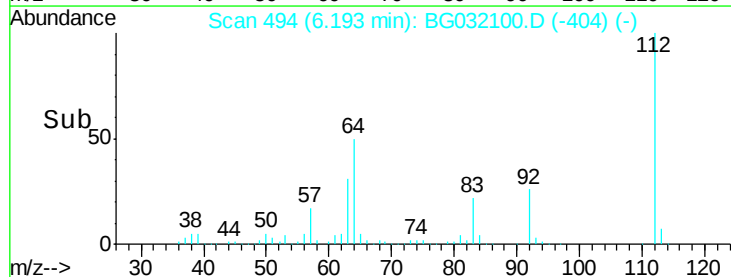
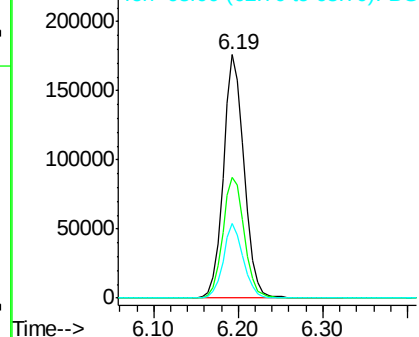
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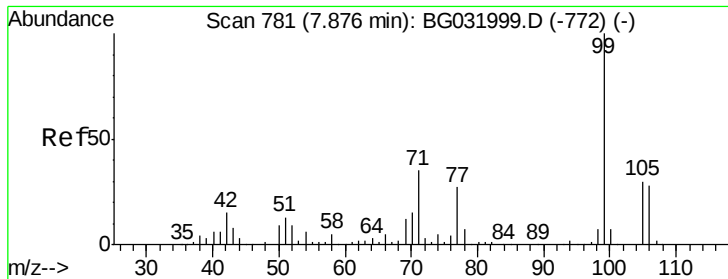
2-Fluorophenol
Concen: 121.011 ng
RT: 6.19 min Scan# 494
Delta R.T. -0.00 min
Lab File: BG032100.D
Acq: 17 Jan 2018 10:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.8	56.3	84.5#
63	30.7	30.1	45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 114.177 ng

RT: 7.87 min Scan# 780

Delta R.T. -0.00 min

Lab File: BG032100.D

Acq: 17 Jan 2018 10:27

Instrument :

BNA_G

ClientSampleId :

SU-03-011218

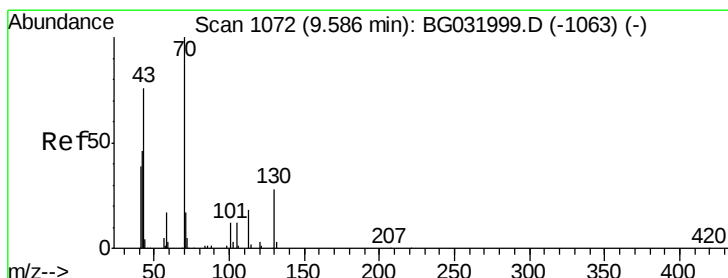
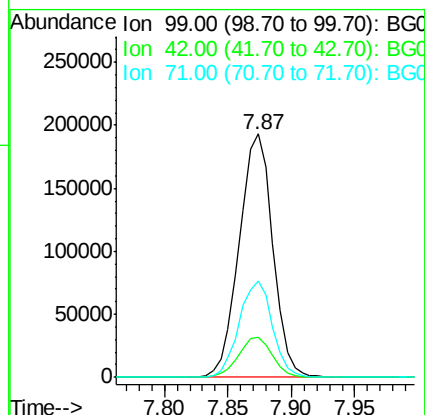
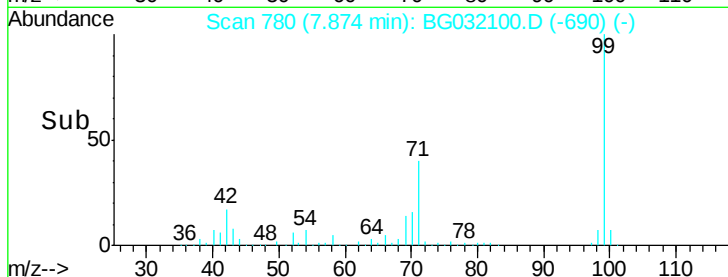
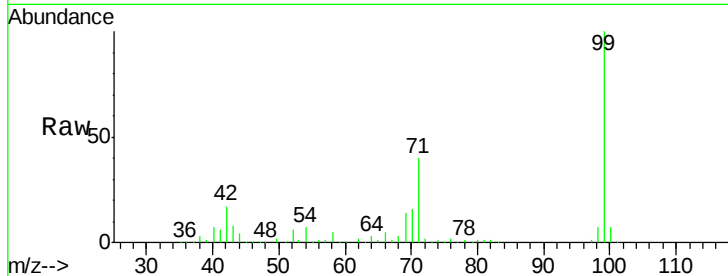
Tgt Ion: 99 Resp: 355279

Ion Ratio Lower Upper

99 100

42 16.7 14.1 21.1

71 39.8 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 17.210 ng

RT: 9.97 min Scan# 1136

Delta R.T. 0.38 min

Lab File: BG032100.D

Acq: 17 Jan 2018 10:27

Tgt Ion: 70 Resp: 33226

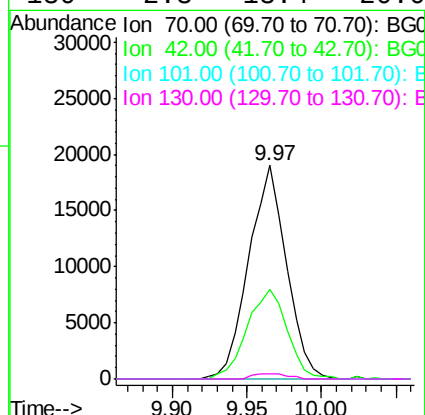
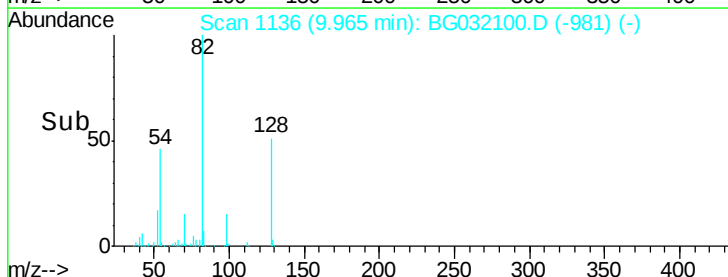
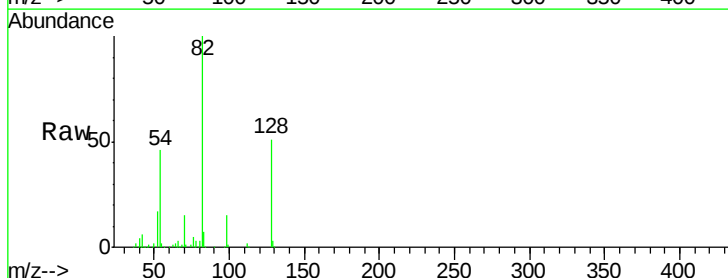
Ion Ratio Lower Upper

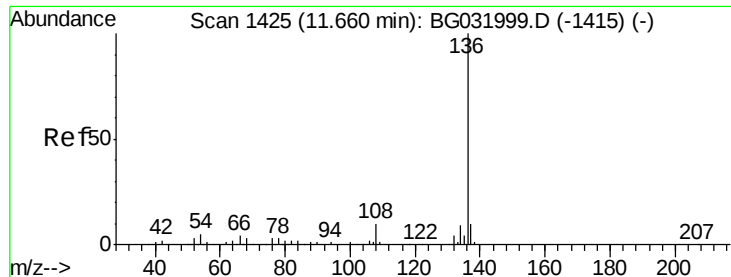
70 100

42 42.1 49.1 73.7#

101 0.0 8.5 12.7#

130 2.3 13.4 20.0#

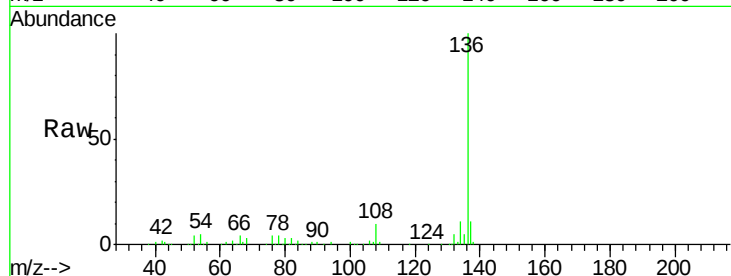




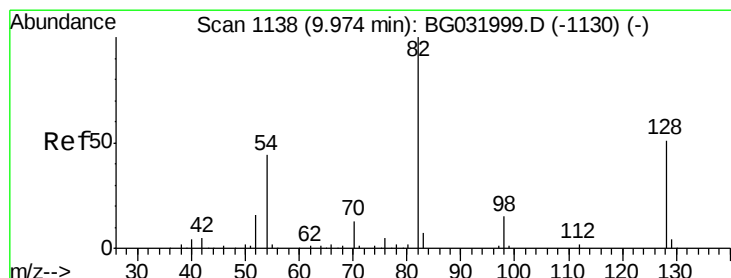
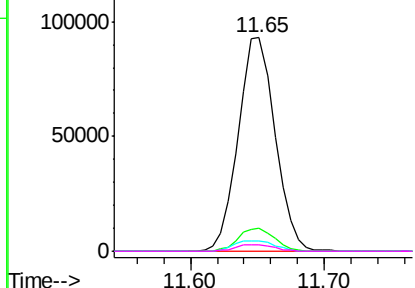
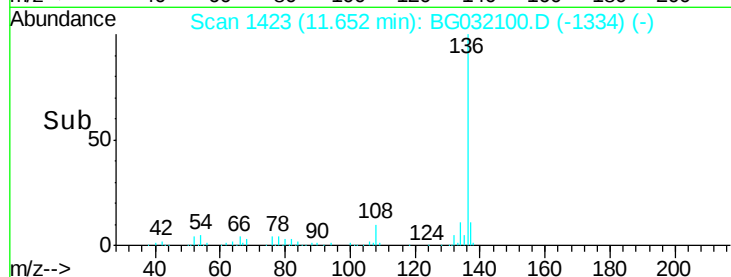
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.65 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BG032100.D
Acq: 17 Jan 2018 10:27

Instrument :
BNA_G
ClientSampleId :
SU-03-011218

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.2	13.8
54	4.7	10.3	15.5#
68	3.2	4.5	6.7#

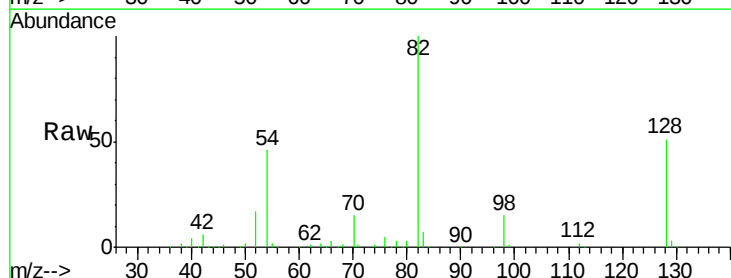


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

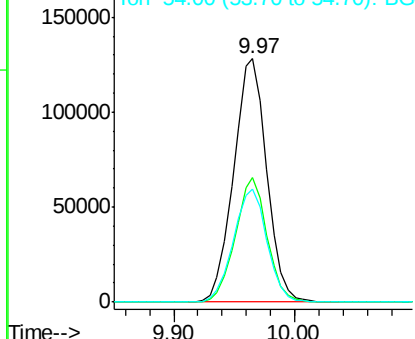
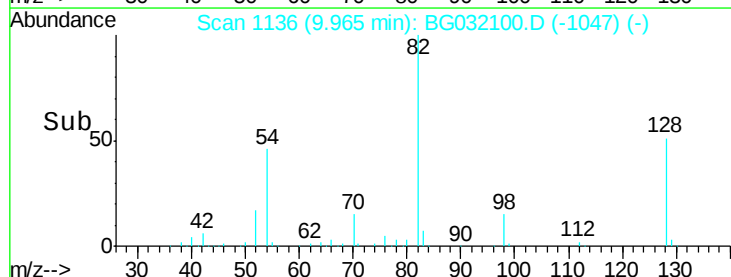


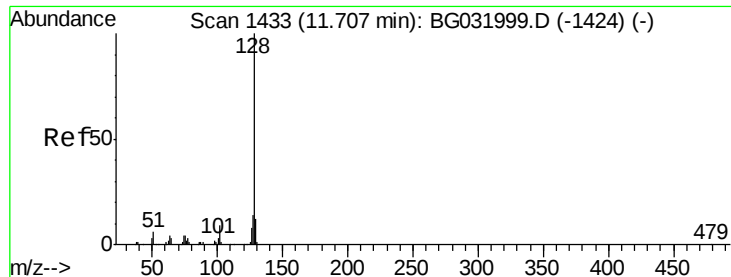
#23
Nitrobenzene-d5
Concen: 92.686 ng
RT: 9.97 min Scan# 1136
Delta R.T. -0.01 min
Lab File: BG032100.D
Acq: 17 Jan 2018 10:27

Tgt Ion	Ratio	Lower	Upper
82	100		
128	51.2	29.7	44.5#
54	46.2	43.1	64.7



Abundance Ion 82.00 (81.70 to 82.70): B
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): B

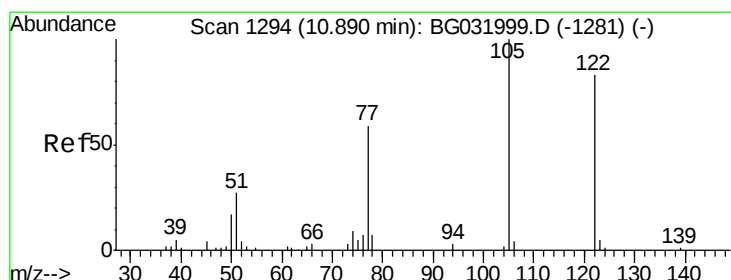
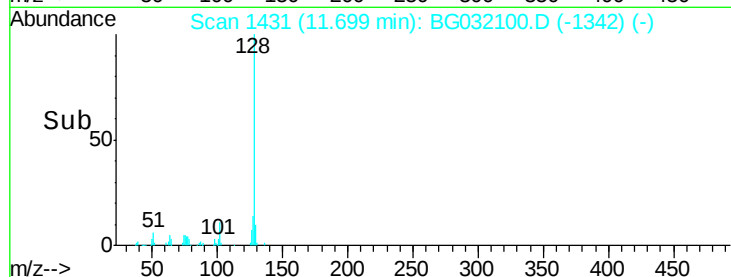
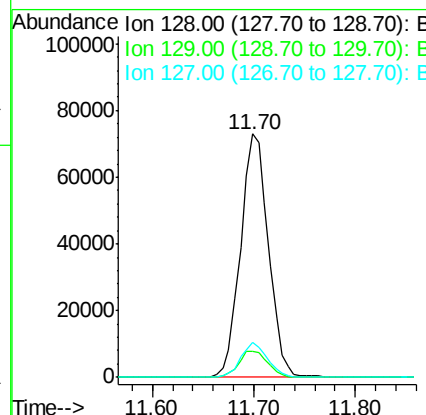
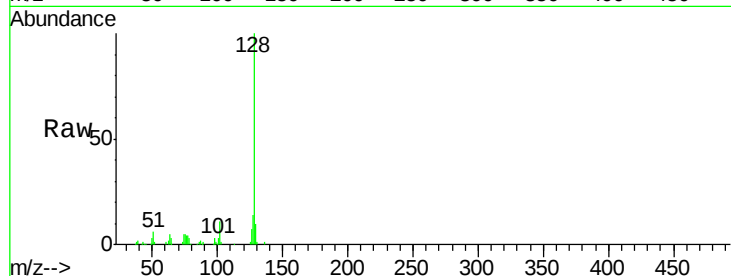




#31
Naphthalene
Concen: 15.769 ng
RT: 11.70 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BG032100.D
Acq: 17 Jan 2018 10:27

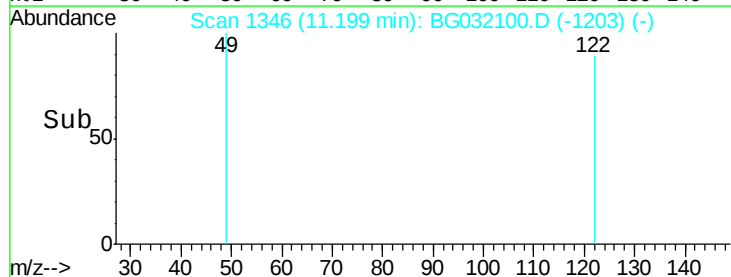
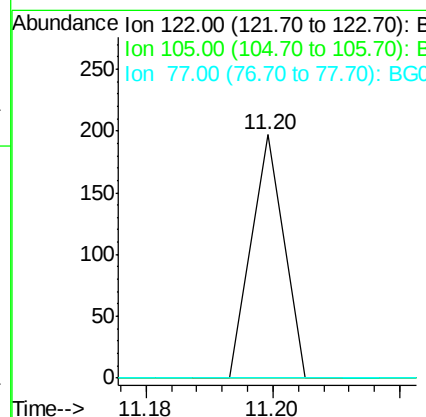
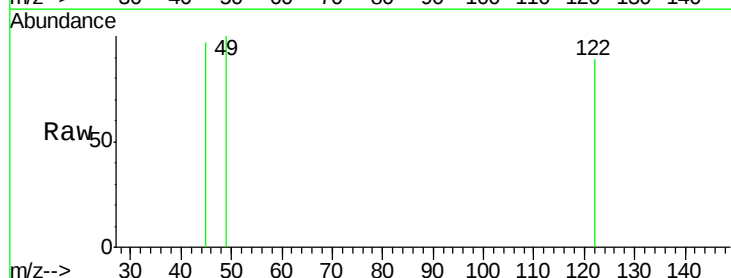
Instrument :
BNA_G
ClientSampleId :
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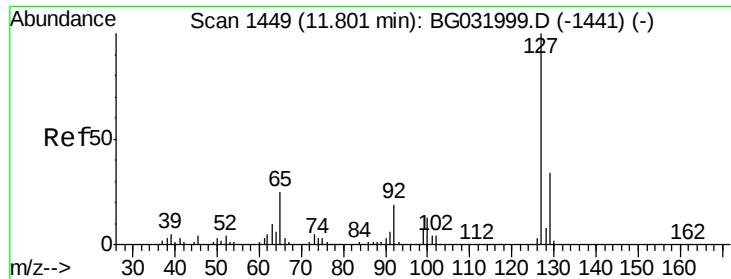
Tgt Ion:128 Resp: 139375
Ion Ratio Lower Upper
128 100
129 10.5 8.6 12.8
127 14.3 11.6 17.4



#32
Benzoic acid
Concen: 5.287 ng
RT: 11.20 min Scan# 1346
Delta R.T. 0.31 min
Lab File: BG032100.D
Acq: 17 Jan 2018 10:27

Tgt Ion:122 Resp: 69
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#

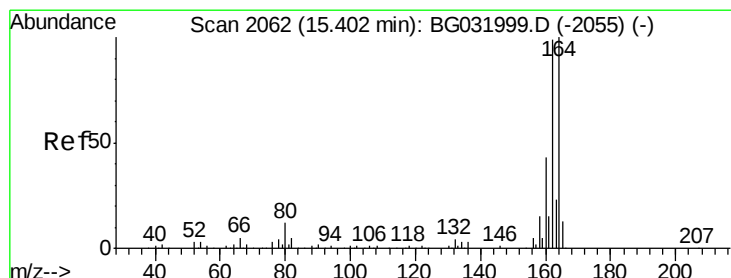
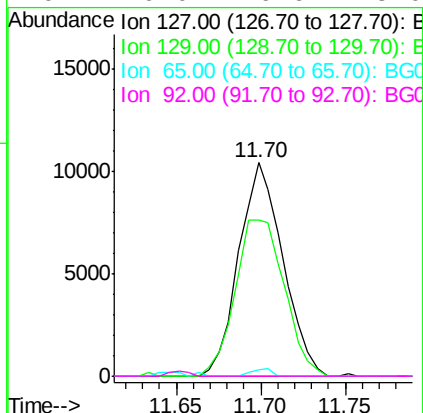
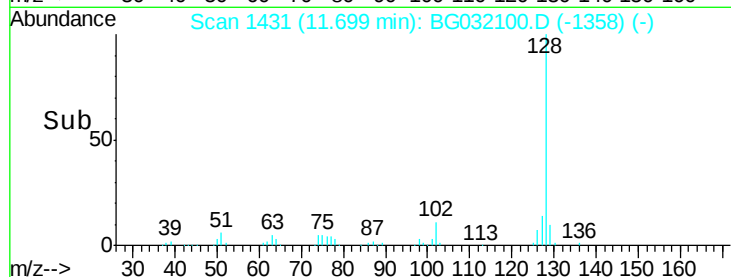
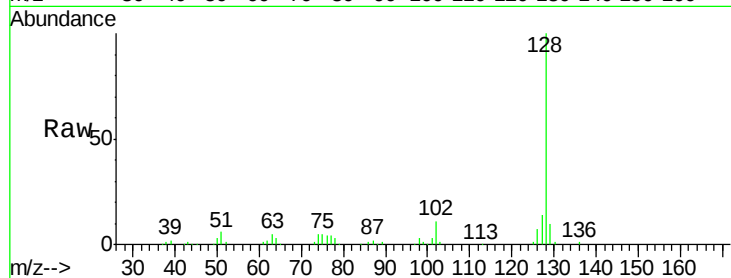




#33
4-Chloroaniline
Concen: 4.982 ng
RT: 11.70 min Scan# 1431
Delta R.T. -0.10 min
Lab File: BG032100.D
Acq: 17 Jan 2018 10:27

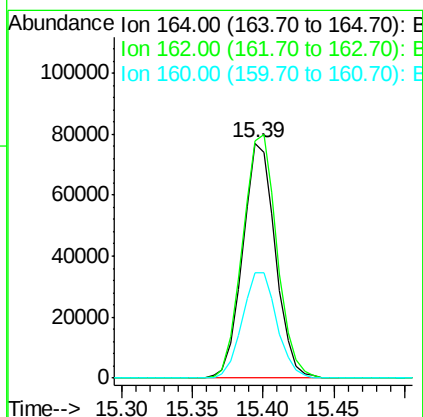
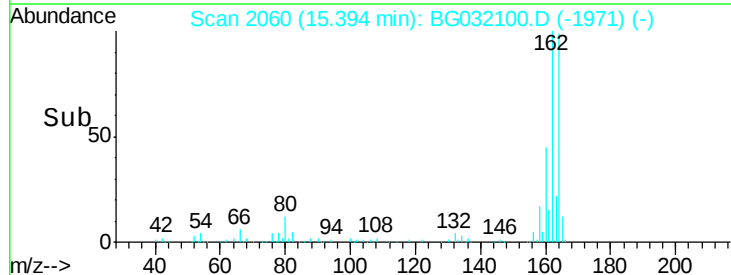
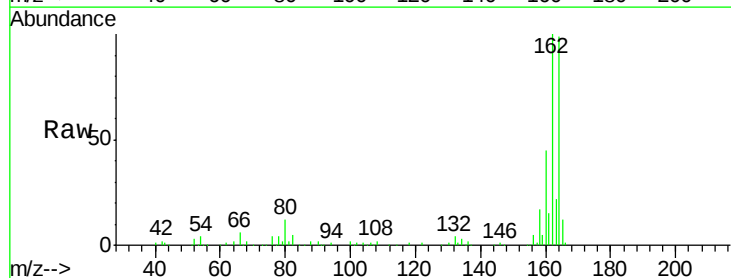
Instrument :
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SU-03-011218

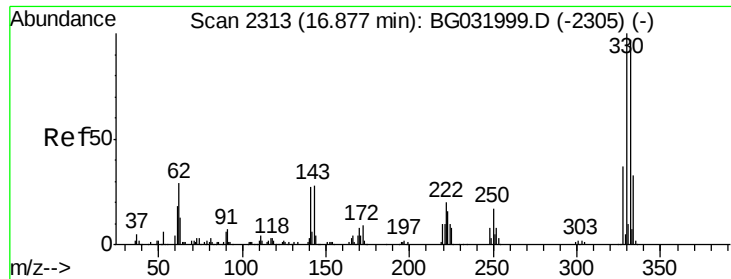
Tgt Ion:	127	Resp:	18882
Ion	Ratio	Lower	Upper
127	100		
129	73.4	24.0	36.0#
65	2.9	27.0	40.4#
92	0.0	16.6	25.0#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.39 min Scan# 2060
Delta R.T. -0.01 min
Lab File: BG032100.D
Acq: 17 Jan 2018 10:27

Tgt Ion:	164	Resp:	124259
Ion	Ratio	Lower	Upper
164	100		
162	101.1	78.8	118.2
160	45.0	35.4	53.0

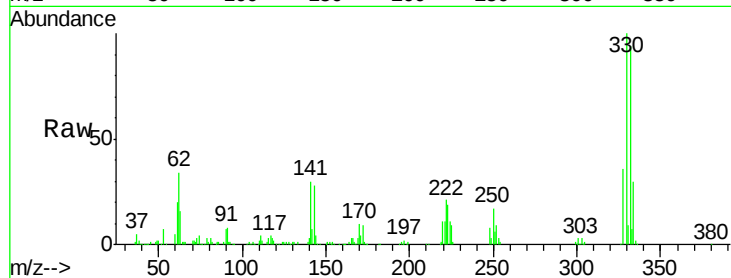




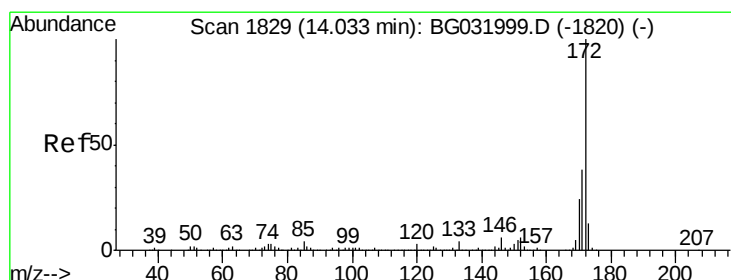
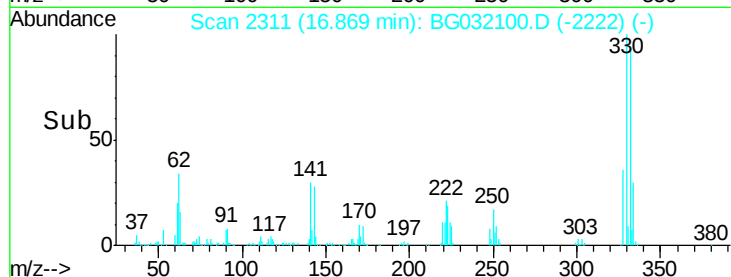
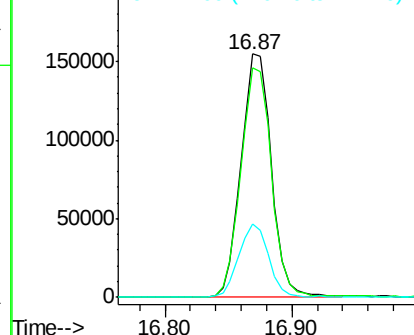
#41
 2,4,6-Tribromophenol
 Concen: 124.921 ng
 RT: 16.87 min Scan# 2311
 Delta R.T. -0.01 min
 Lab File: BG032100.D
 Acq: 17 Jan 2018 10:27

Instrument :
 BNA_G
 ClientSampleId :
 SU-03-011218

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	29.7	25.2	37.8

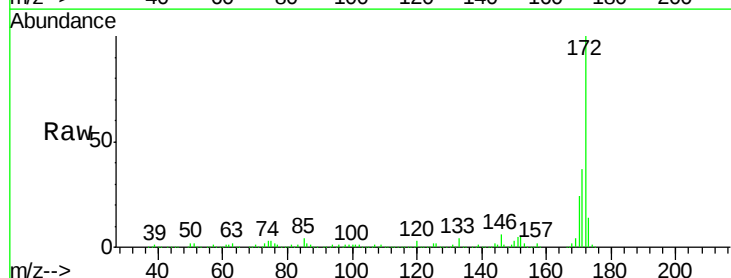


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

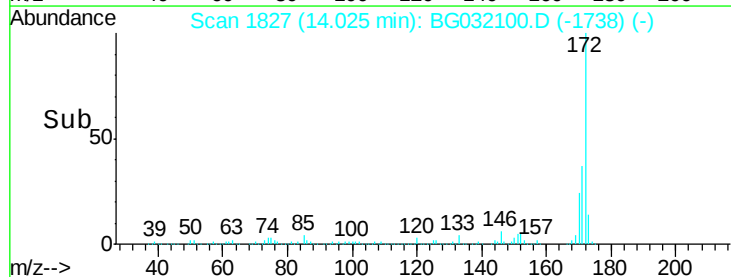
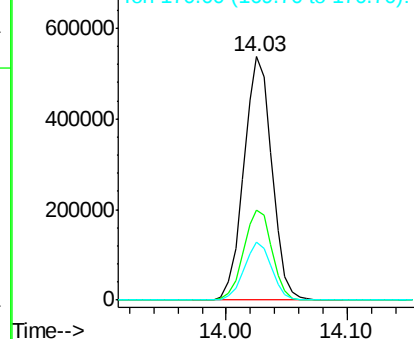


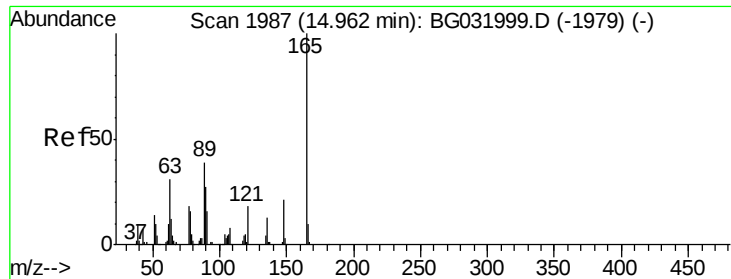
#44
 2-Fluorobiphenyl
 Concen: 86.691 ng
 RT: 14.03 min Scan# 1827
 Delta R.T. -0.01 min
 Lab File: BG032100.D
 Acq: 17 Jan 2018 10:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.0	45.0
170	23.7	19.5	29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

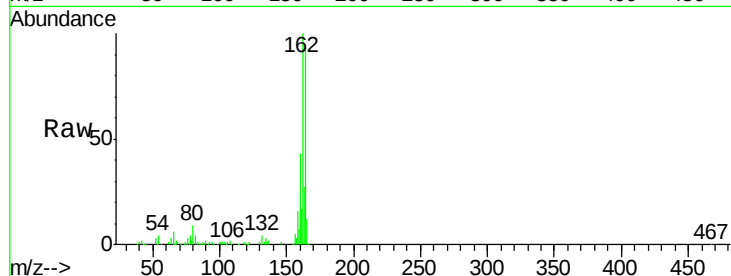




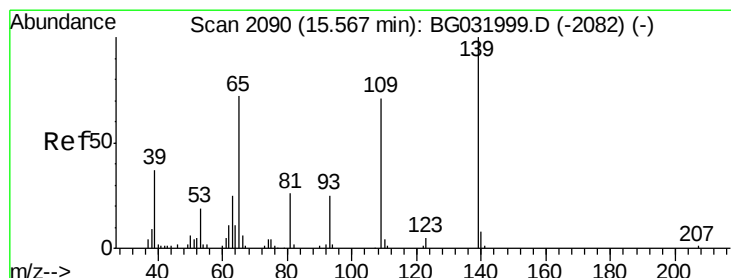
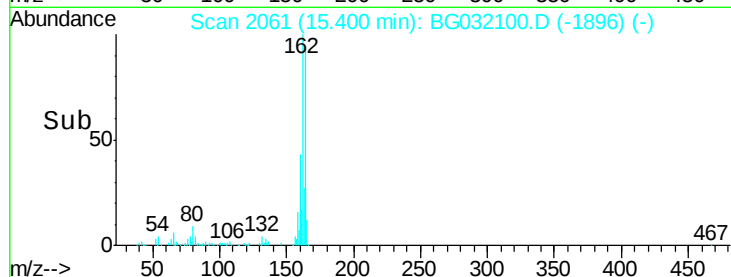
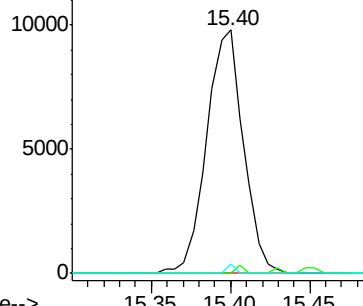
#50
 2,6-Dinitrotoluene
 Concen: 7.008 ng
 RT: 15.40 min Scan# 2061
 Delta R.T. 0.44 min
 Lab File: BG032100.D
 Acq: 17 Jan 2018 10:27

Instrument :
 BNA_G
 ClientSampleId :
 SU-03-011218

Tgt Ion:165 Resp: 15817
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 3.6 49.2 73.8#

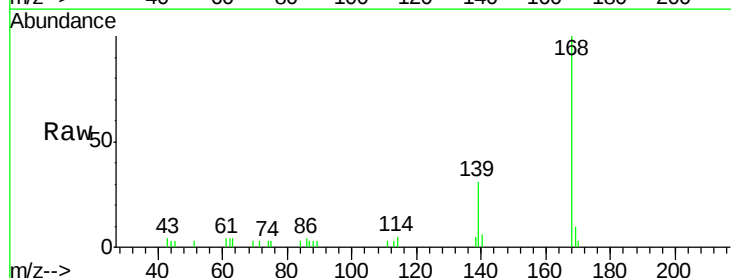


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGO
 Ion 89.00 (88.70 to 89.70): BGO

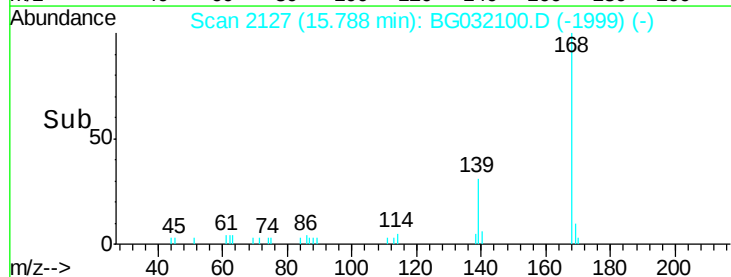
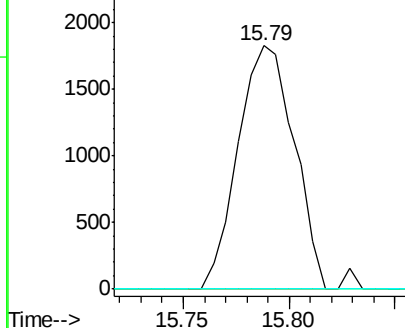


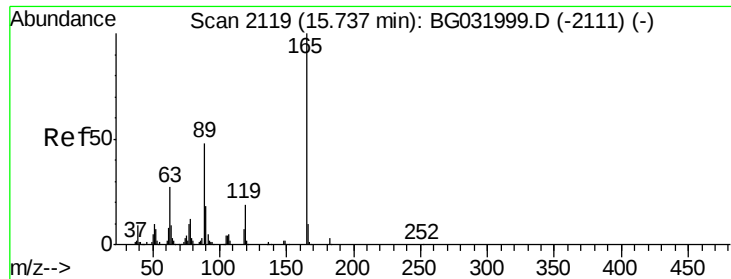
#55
 4-Nitrophenol
 Concen: 2.264 ng
 RT: 15.79 min Scan# 2127
 Delta R.T. 0.22 min
 Lab File: BG032100.D
 Acq: 17 Jan 2018 10:27

Tgt Ion:139 Resp: 3363
 Ion Ratio Lower Upper
 139 100
 109 0.0 62.2 102.2#
 65 0.0 97.2 137.2#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BGO

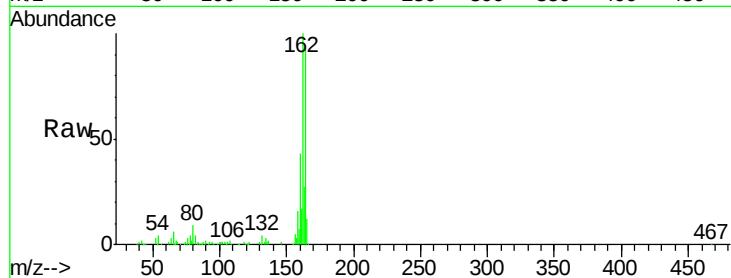




#56
 2,4-Dinitrotoluene
 Concen: 5.205 ng
 RT: 15.40 min Scan# 2061
 Delta R.T. -0.34 min
 Lab File: BG032100.D
 Acq: 17 Jan 2018 10:27

Instrument :
 BNA_G
 ClientSampleId :
 SU-03-011218

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	3.6	66.9	100.3#
182	0.0	2.6	3.8#

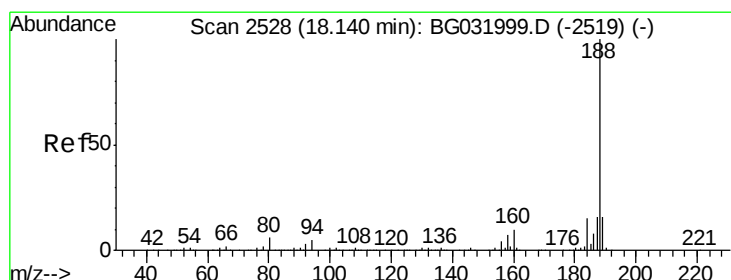
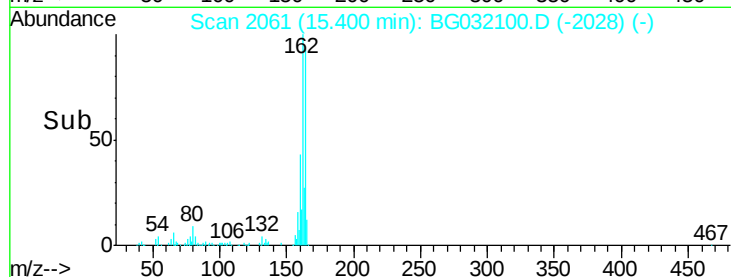
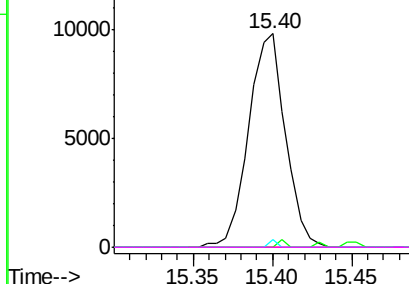


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

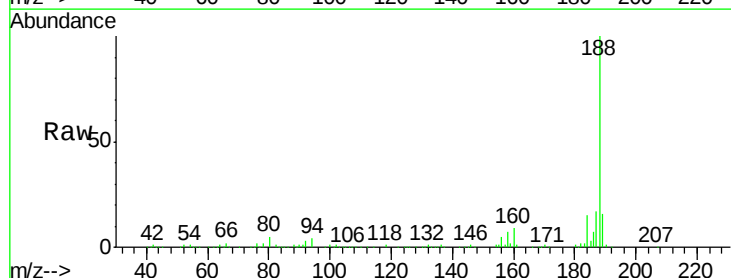
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.13 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BG032100.D
 Acq: 17 Jan 2018 10:27

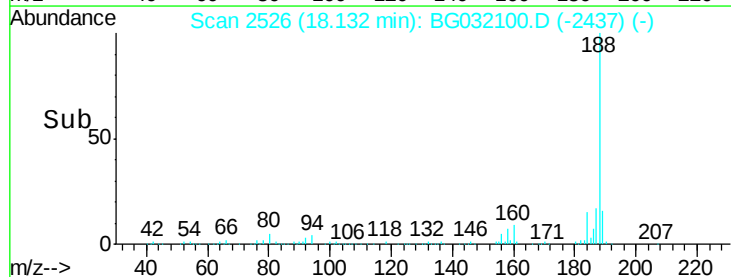
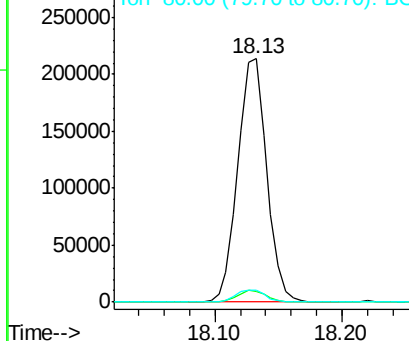
Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.4	6.9	10.3#
80	5.1	7.7	11.5#

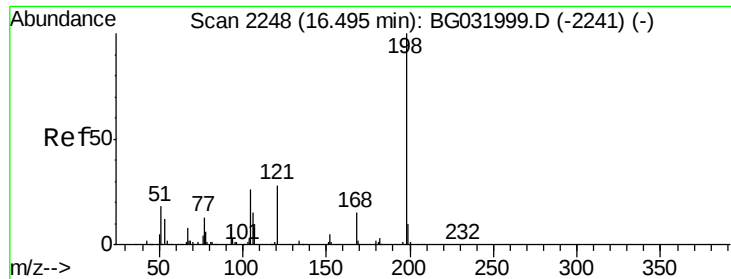


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

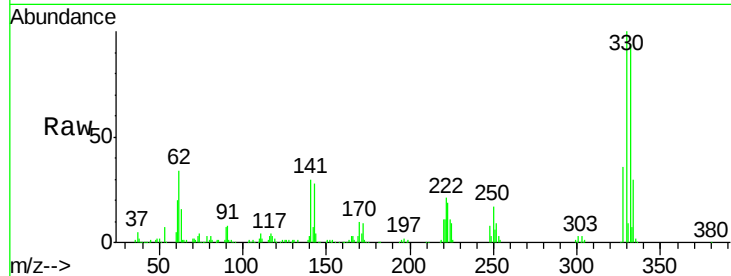




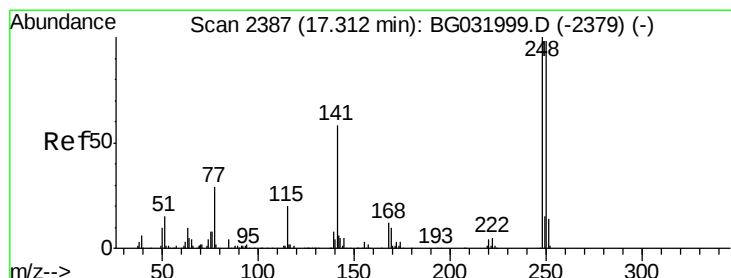
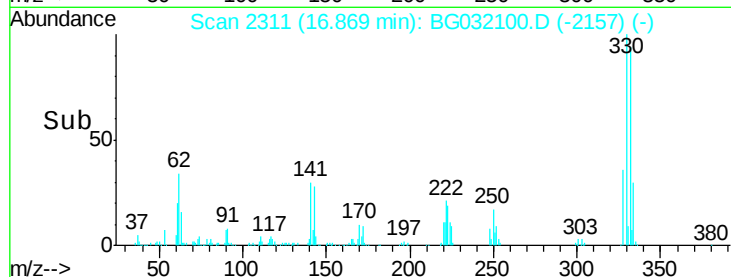
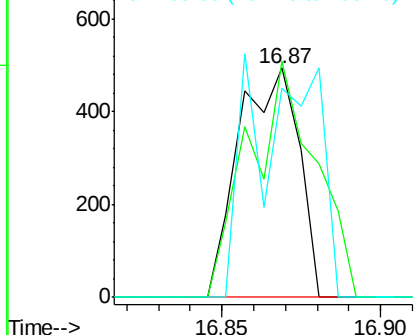
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.152 ng
 RT: 16.87 min Scan# 2311
 Delta R.T. 0.37 min
 Lab File: BG032100.D
 Acq: 17 Jan 2018 10:27

Instrument :
 BNA_G
 ClientSampleId :
 SU-03-011218

Tgt Ion:198 Resp: 645
 Ion Ratio Lower Upper
 198 100
 51 103.2 30.6 70.6#
 105 91.1 23.8 63.8#

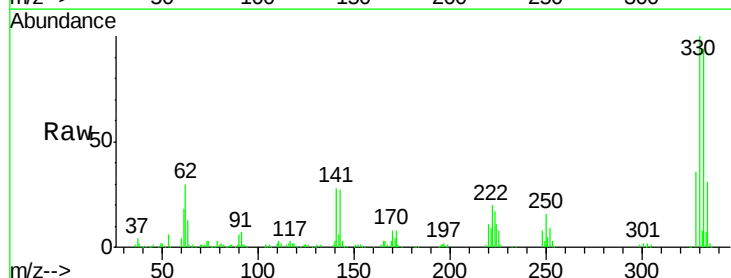


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGO
 Ion 105.00 (104.70 to 105.70): E

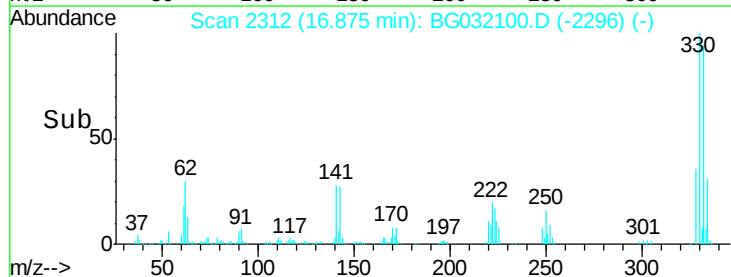
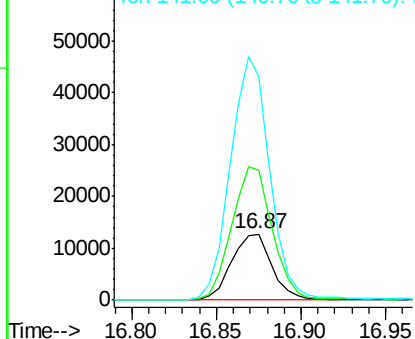


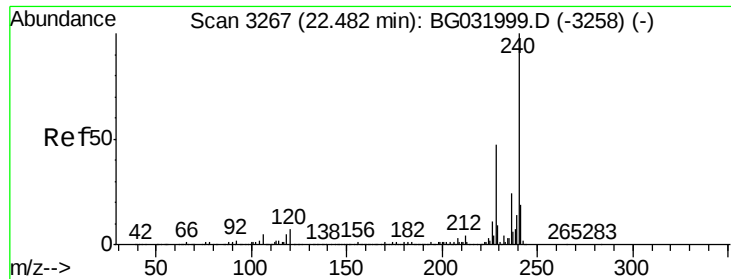
#66
 4-Bromophenyl-phenylether
 Concen: 4.405 ng
 RT: 16.87 min Scan# 2312
 Delta R.T. -0.44 min
 Lab File: BG032100.D
 Acq: 17 Jan 2018 10:27

Tgt Ion:248 Resp: 21229
 Ion Ratio Lower Upper
 248 100
 250 196.2 77.1 115.7#
 141 338.2 50.8 76.2#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

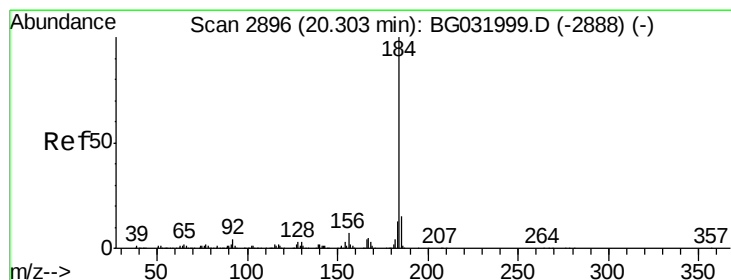
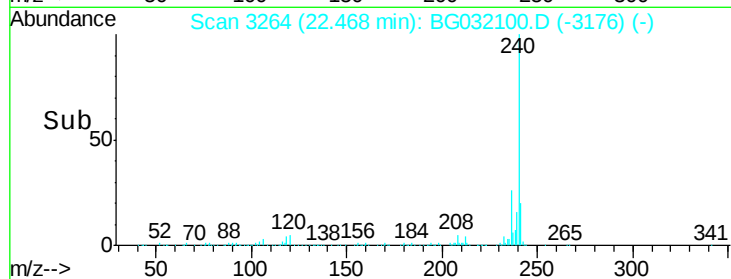
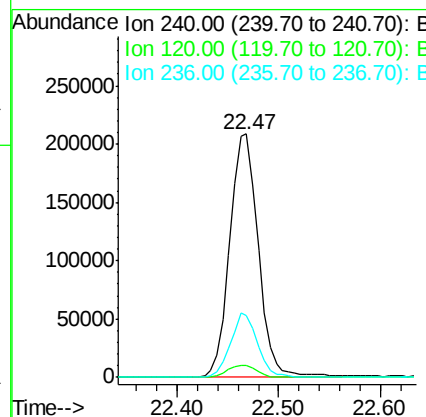
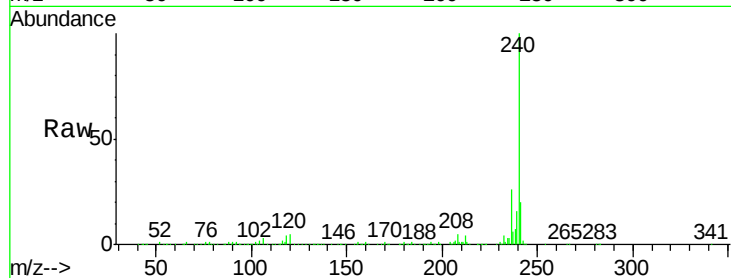




#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.47 min Scan# 3264
Delta R.T. -0.01 min
Lab File: BG032100.D
Acq: 17 Jan 2018 10:27

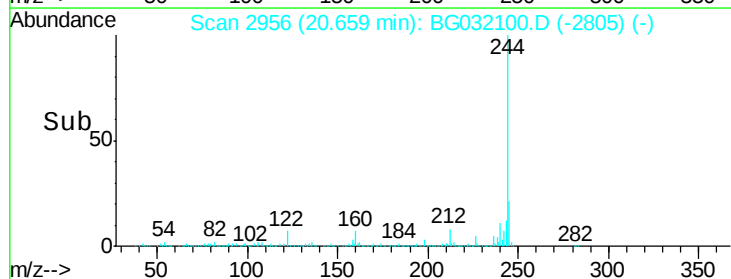
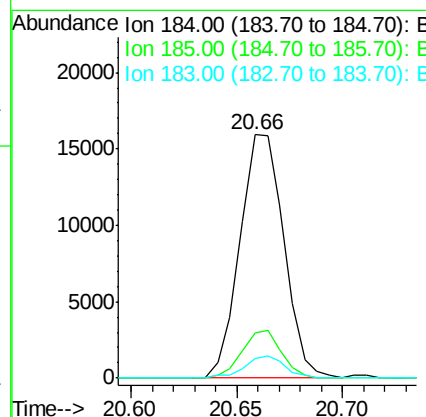
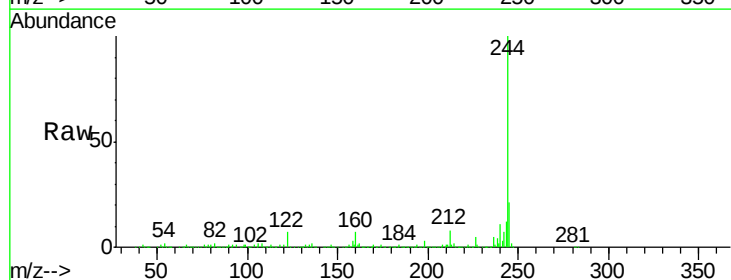
Instrument :
BNA_G
ClientSampleId :
SU-03-011218

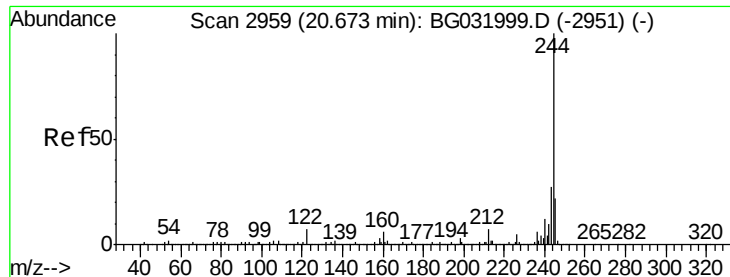
Tgt Ion:240 Resp: 408257
Ion Ratio Lower Upper
240 100
120 4.8 6.8 10.2#
236 25.5 20.9 31.3



#76
Benzidine
Concen: 2.252 ng
RT: 20.66 min Scan# 2956
Delta R.T. 0.36 min
Lab File: BG032100.D
Acq: 17 Jan 2018 10:27

Tgt Ion:184 Resp: 22988
Ion Ratio Lower Upper
184 100
185 18.6 11.1 16.7#
183 8.3 10.6 16.0#





#78

Terphenyl-d14

Concen: 93.105 ng

RT: 20.66 min Scan# 2957

Delta R.T. -0.01 min

Lab File: BG032100.D

Acq: 17 Jan 2018 10:27

Instrument :

BNA_G

ClientSampleId :

SU-03-011218

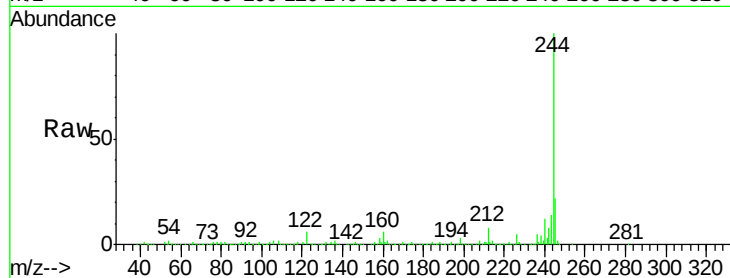
Tgt Ion:244 Resp: 1721475

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

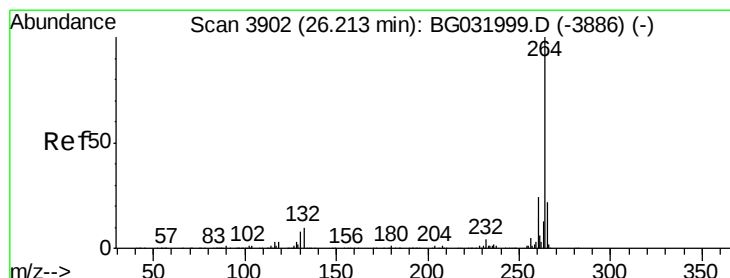
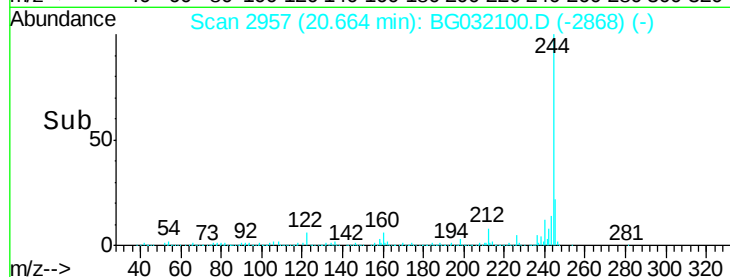
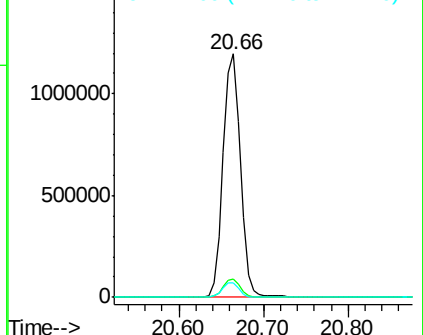
122 6.1 7.0 10.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.18 min Scan# 3896

Delta R.T. -0.03 min

Lab File: BG032100.D

Acq: 17 Jan 2018 10:27

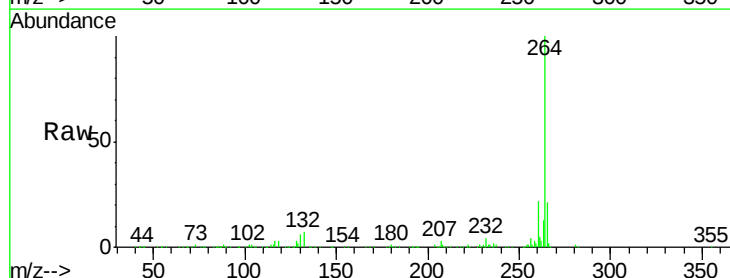
Tgt Ion:264 Resp: 414837

Ion Ratio Lower Upper

264 100

260 22.1 17.4 26.0

265 21.5 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

