

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011618\
 Data File : BG032096.D
 Acq On : 17 Jan 2018 7:57
 Operator : SJ/JU
 Sample : J1019-06
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-02-011218-A

Quant Time: Jan 17 10:42:42 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	50674	20.00	ng	0.00
21) Naphthalene-d8	11.65	136	195689	20.00	ng	0.00
38) Acenaphthene-d10	15.40	164	128537	20.00	ng	0.00
63) Phenanthrene-d10	18.13	188	333402	20.00	ng	-0.01
75) Chrysene-d12	22.47	240	404068	20.00	ng	-0.02
86) Perylene-d12	26.18	264	407351	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.20	112	361919	130.62	ng	0.00
7) Phenol-d6	7.88	99	415262	119.00	ng	0.00
23) Nitrobenzene-d5	9.96	82	295128	102.03	ng	-0.01
41) 2,4,6-Tribromophenol	16.87	330	297803	140.01	ng	0.00
44) 2-Fluorobiphenyl	14.03	172	1004537	96.90	ng	0.00
78) Terphenyl-d14	20.66	244	1859360	101.61	ng	-0.01

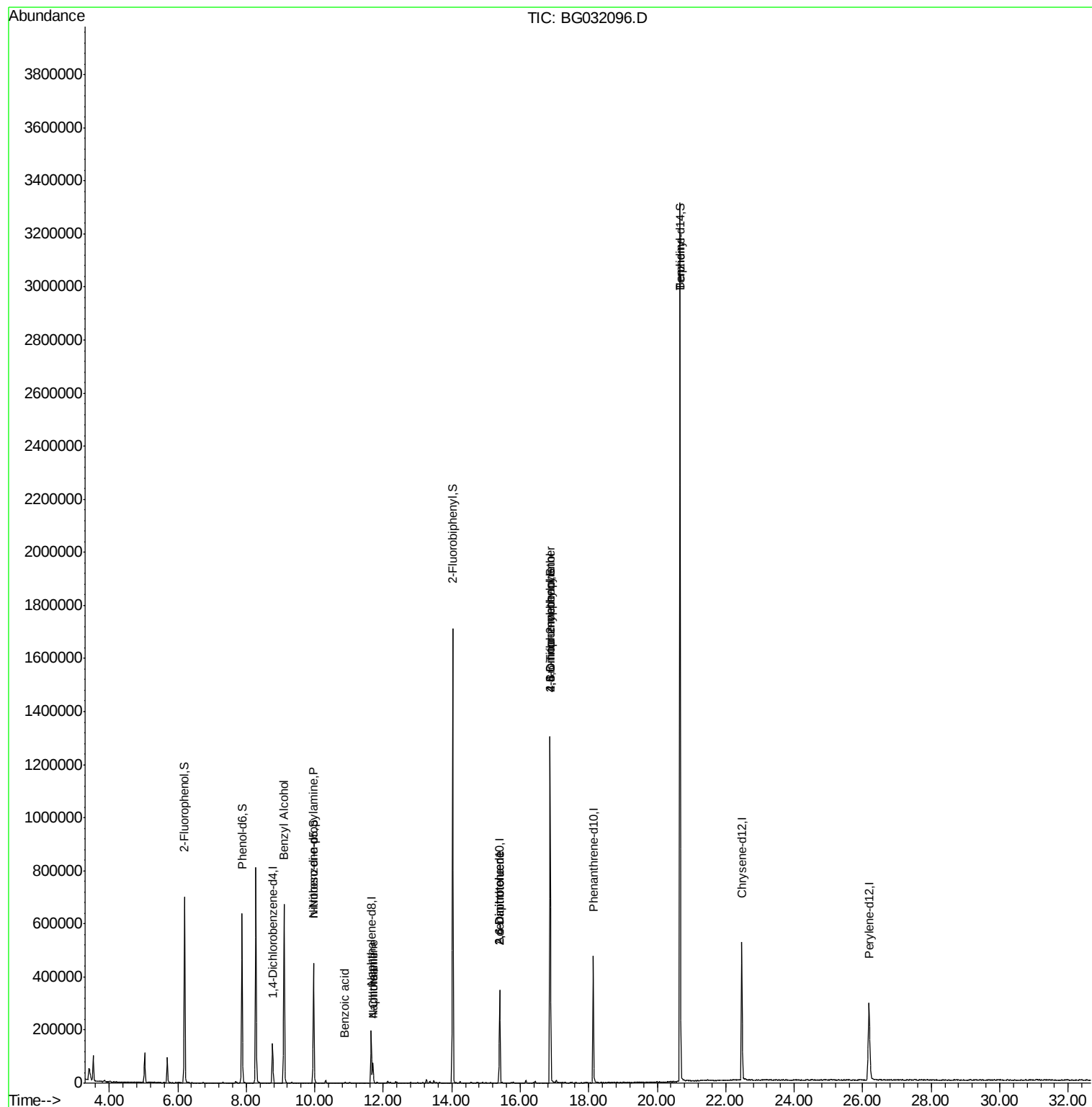
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.10	79	5206	2.054	ng	# 47
19) n-Nitroso-di-n-propylamine	9.96	70	42182	19.483	ng	# 74
31) Naphthalene	11.70	128	71058	7.330	ng	# 99
32) Benzoic acid	10.88	122	71	5.285	ng	# 1
33) 4-Chloroaniline	11.70	127	10090	2.427	ng	# 39
50) 2,6-Dinitrotoluene	15.40	165	17755	7.605	ng	# 18
56) 2,4-Dinitrotoluene	15.40	165	17755	5.649	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.87	198	943	5.281	ng	# 42
66) 4-Bromophenyl-phenylether	16.87	248	23720	5.000	ng	# 1
76) Benzidine	20.66	184	25708	2.544	ng	# 85

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

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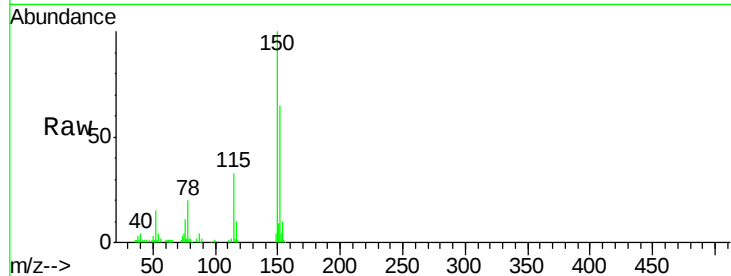


#1

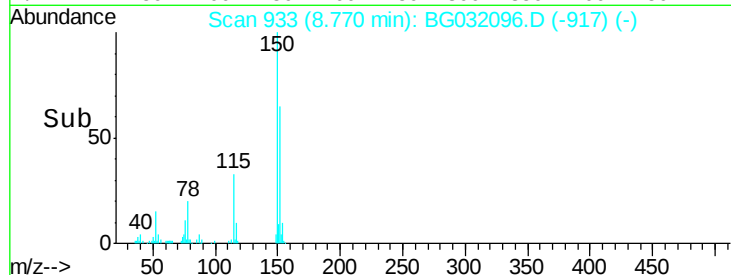
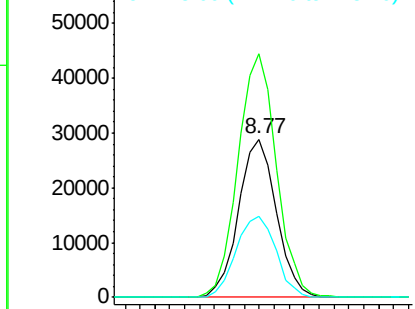
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.77 min Scan# 933
Delta R.T. -0.01 min
Lab File: BG032096.D
Acq: 17 Jan 2018 7:57

Instrument :
BNA_G
ClientSampleId :
EO-02-011218-A

Tgt Ion:152 Resp: 50674
Ion Ratio Lower Upper
152 100
150 154.2 126.6 189.8
115 51.6 53.0 79.4#



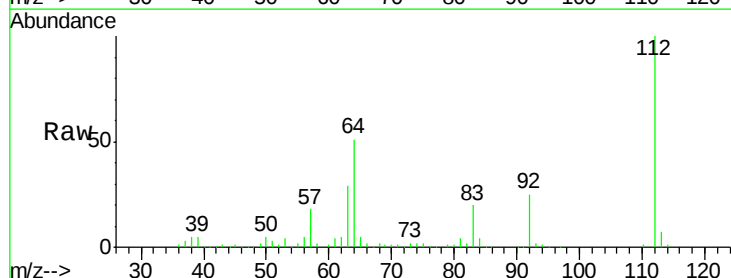
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



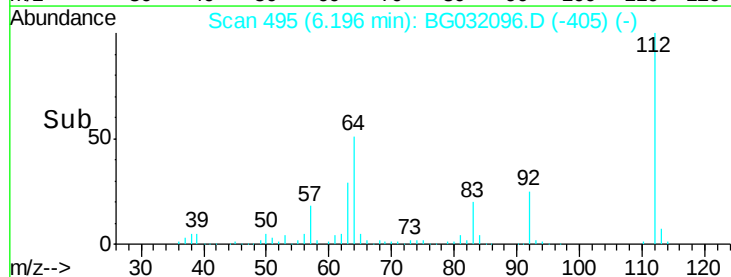
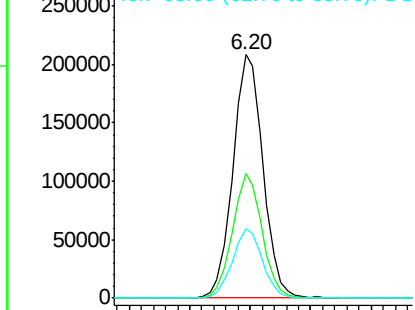
#5

2-Fluorophenol
Concen: 130.624 ng
RT: 6.20 min Scan# 495
Delta R.T. 0.00 min
Lab File: BG032096.D
Acq: 17 Jan 2018 7:57

Tgt Ion:112 Resp: 361919
Ion Ratio Lower Upper
112 100
64 51.0 56.3 84.5#
63 28.8 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: 119.003 ng

RT: 7.88 min Scan# 781

Delta R.T. 0.00 min

Lab File: BG032096.D

Acq: 17 Jan 2018 7:57

Instrument :

BNA_G

ClientSampleId :

EO-02-011218-A

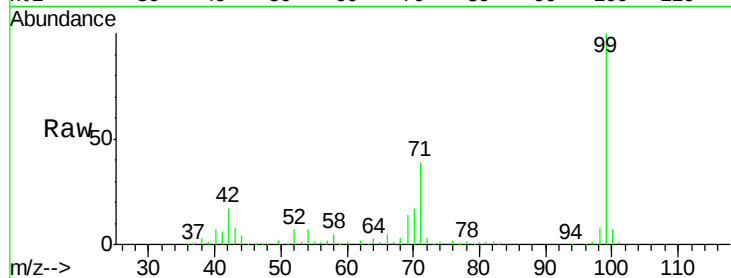
Tgt Ion: 99 Resp: 415262

Ion Ratio Lower Upper

99 100

42 17.0 14.1 21.1

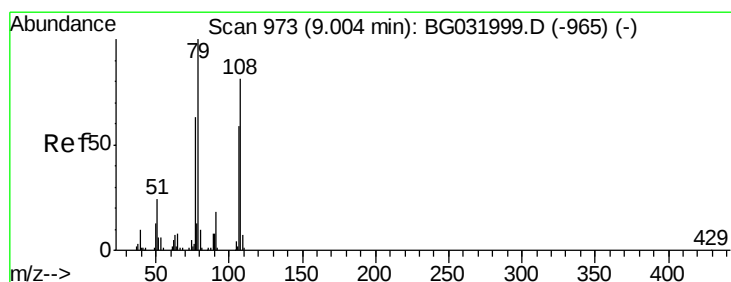
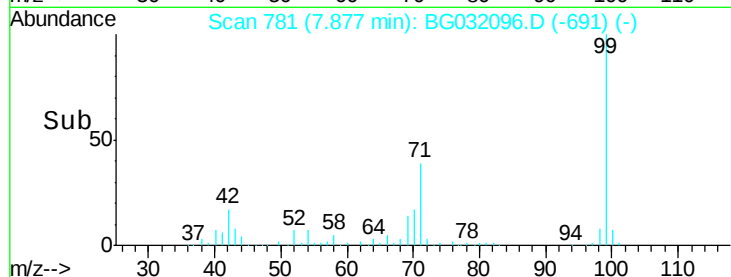
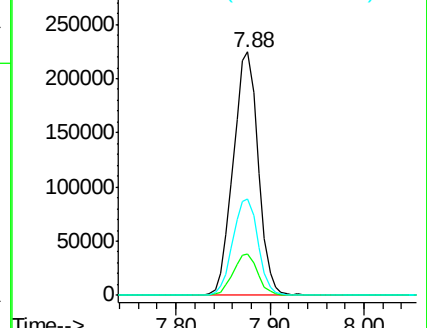
71 39.4 26.1 39.1#



Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#15

Benzyl Alcohol

Concen: 2.054 ng

RT: 9.10 min Scan# 989

Delta R.T. 0.09 min

Lab File: BG032096.D

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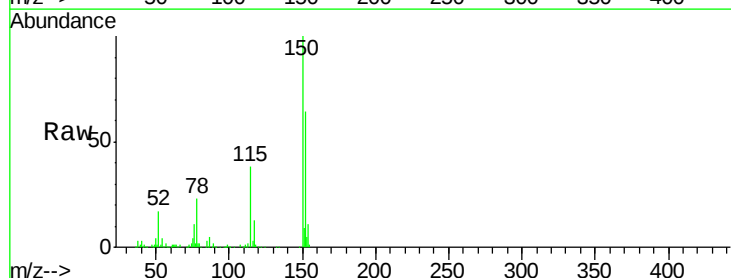
Tgt Ion: 79 Resp: 5206

Ion Ratio Lower Upper

79 100

108 37.6 57.2 85.8#

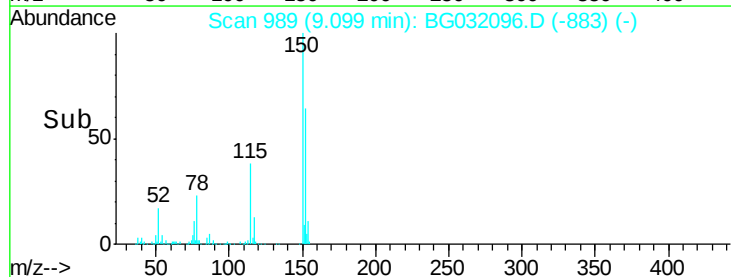
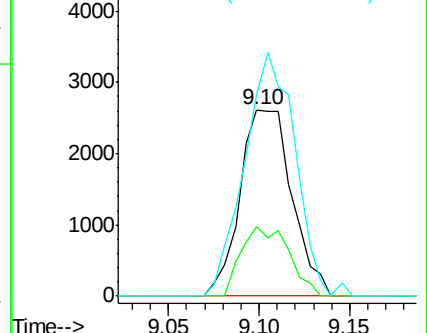
77 108.4 46.1 69.1#

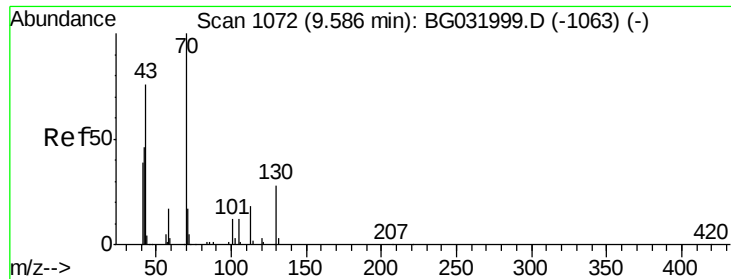


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

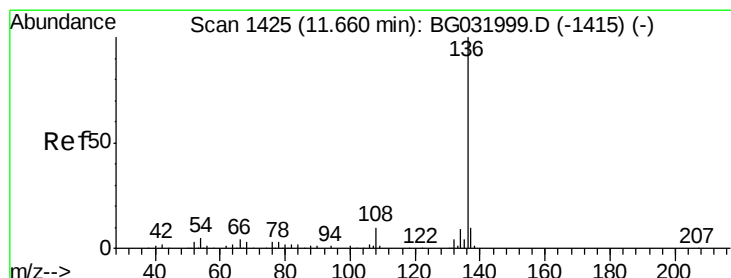
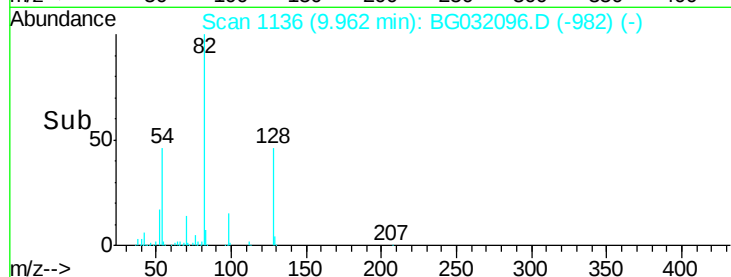
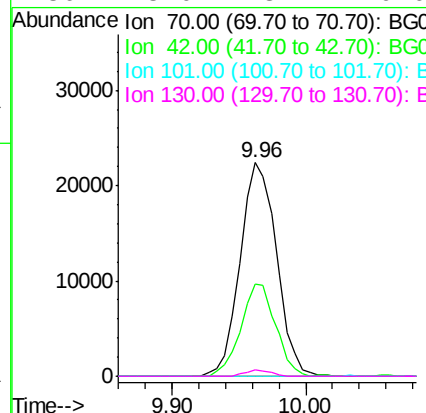
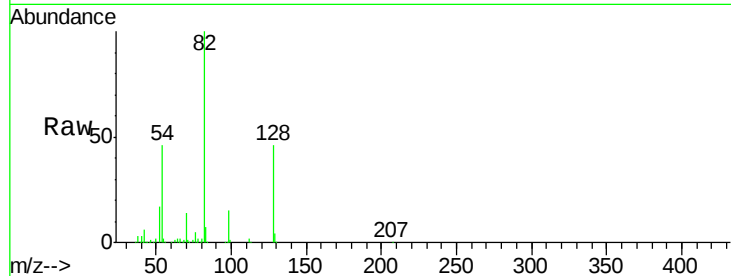




#19
n-Nitroso-di-n-propylamine
Concen: 19.483 ng
RT: 9.96 min Scan# 1136
Delta R.T. 0.38 min
Lab File: BG032096.D
Acq: 17 Jan 2018 7:57

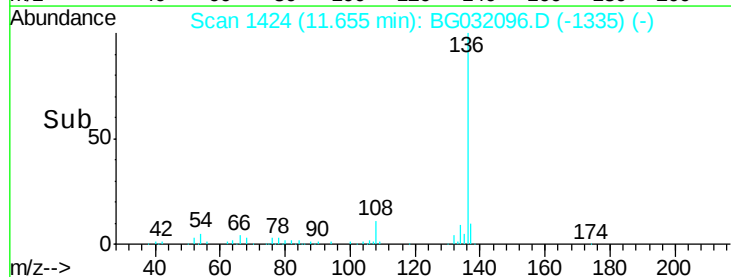
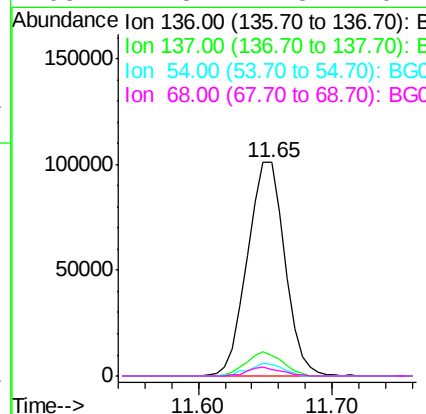
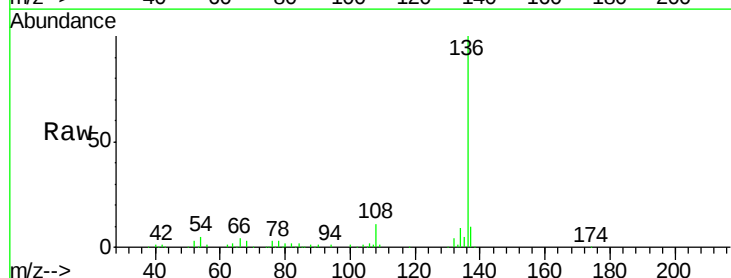
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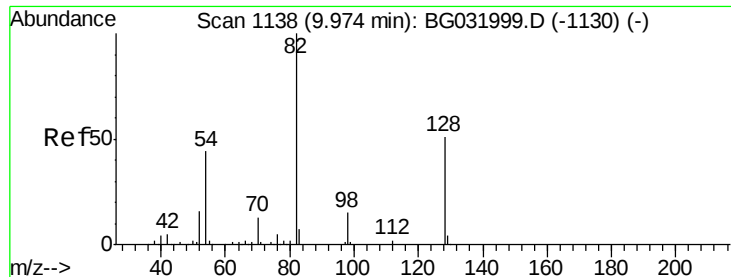
Tgt Ion: 70 Resp: 42182
Ion Ratio Lower Upper
70 100
42 43.0 49.1 73.7#
101 0.0 8.5 12.7#
130 3.0 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.65 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BG032096.D
Acq: 17 Jan 2018 7:57

Tgt Ion: 136 Resp: 195689
Ion Ratio Lower Upper
136 100
137 9.9 9.2 13.8
54 5.1 10.3 15.5#
68 2.8 4.5 6.7#

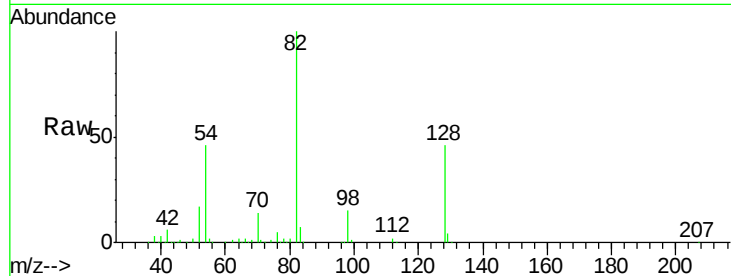




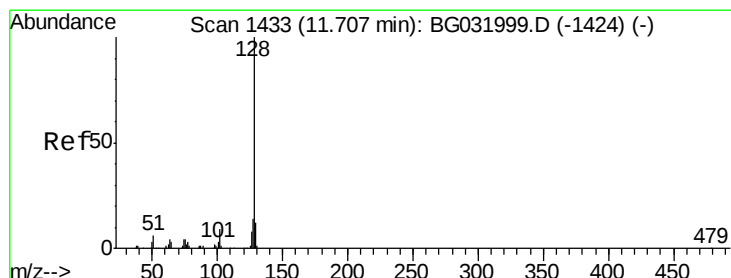
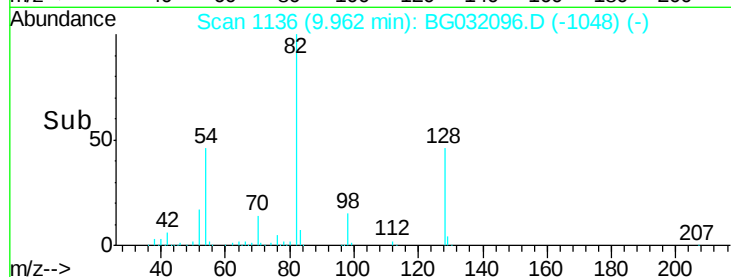
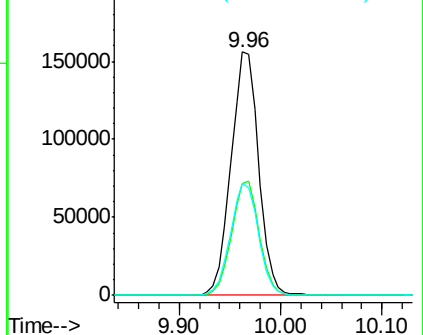
#23
 Nitrobenzene-d5
 Concen: 102.033 ng
 RT: 9.96 min Scan# 1136
 Delta R.T. -0.01 min
 Lab File: BG032096.D
 Acq: 17 Jan 2018 7:57

Instrument :
 BNA_G
 ClientSampleId :
 EO-02-011218-A

Tgt Ion: 82 Resp: 295128
 Ion Ratio Lower Upper
 82 100
 128 46.0 29.7 44.5#
 54 45.9 43.1 64.7

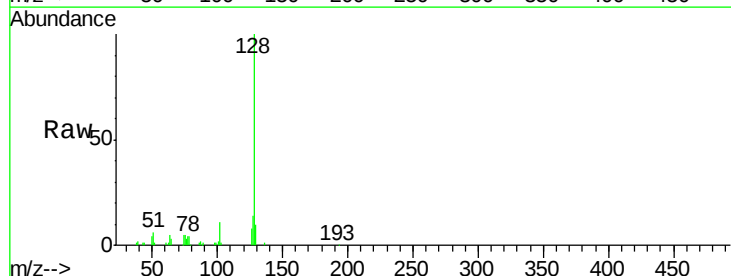


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

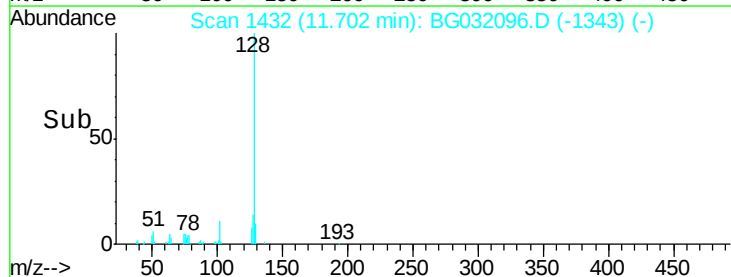
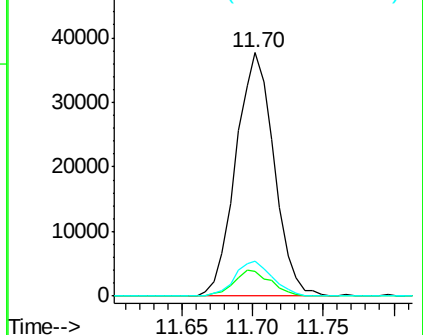


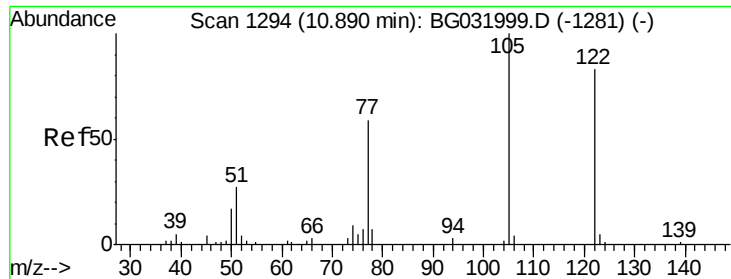
#31
 Naphthalene
 Concen: 7.330 ng
 RT: 11.70 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BG032096.D
 Acq: 17 Jan 2018 7:57

Tgt Ion: 128 Resp: 71058
 Ion Ratio Lower Upper
 128 100
 129 10.0 8.6 12.8
 127 14.3 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): BGC
 Ion 129.00 (128.70 to 129.70): BGC
 Ion 127.00 (126.70 to 127.70): BGC

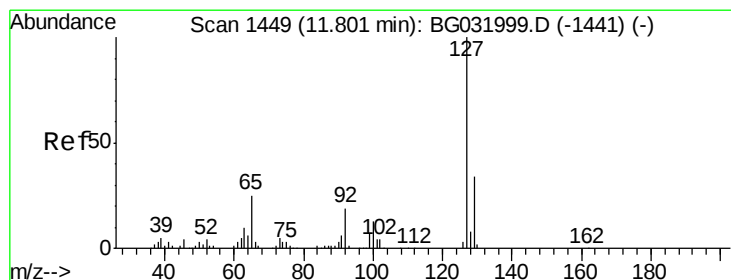
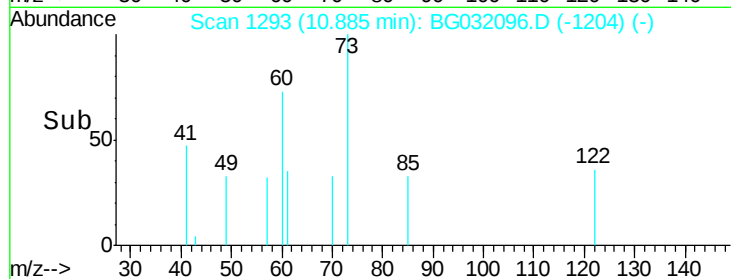
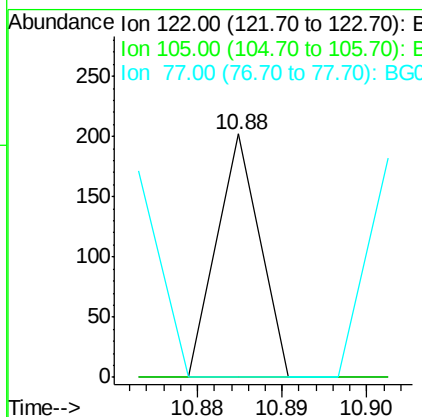
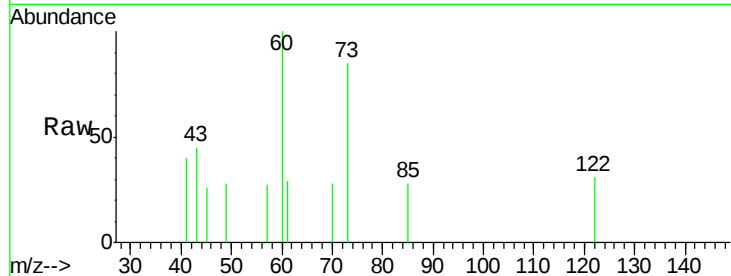




#32
Benzoic acid
Concen: 5.285 ng
RT: 10.88 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG032096.D
Acq: 17 Jan 2018 7:57

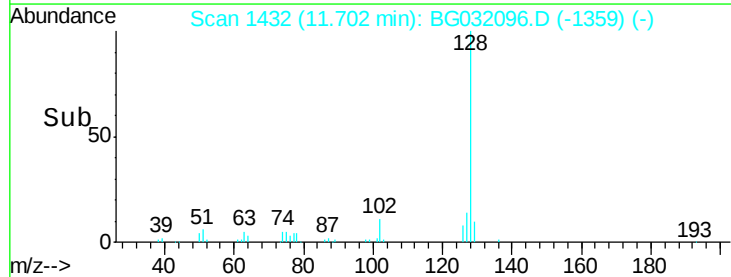
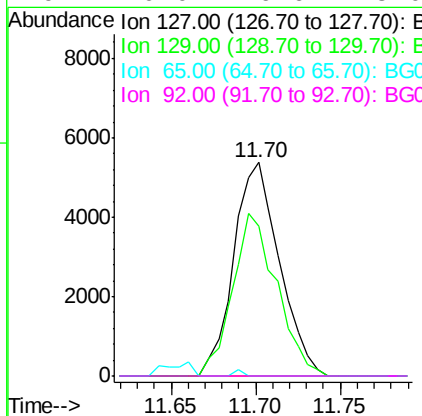
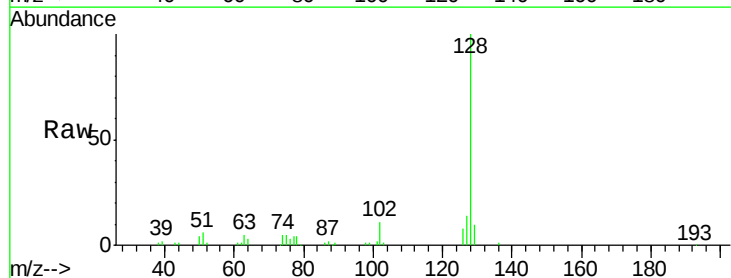
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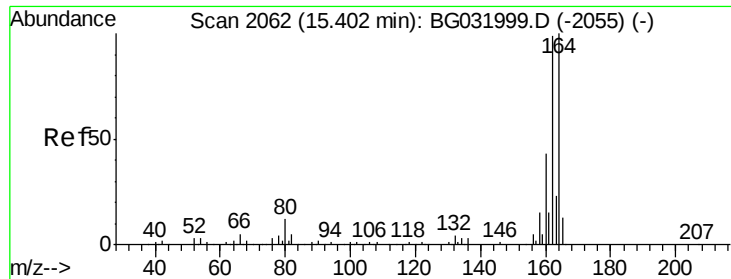
Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	123.5	163.5#
77	0.0	85.7	125.7#



#33
4-Chloroaniline
Concen: 2.427 ng
RT: 11.70 min Scan# 1432
Delta R.T. -0.10 min
Lab File: BG032096.D
Acq: 17 Jan 2018 7:57

Tgt Ion	Ratio	Lower	Upper
127	100		
129	70.2	24.0	36.0#
65	0.0	27.0	40.4#
92	0.0	16.6	25.0#

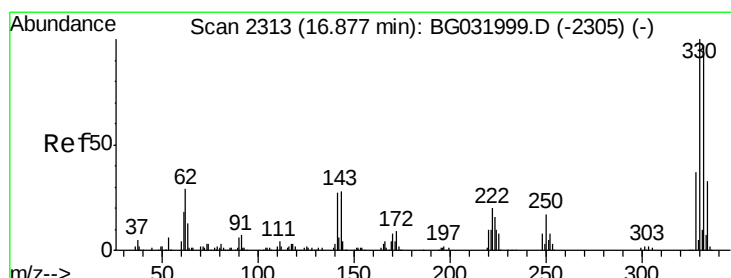
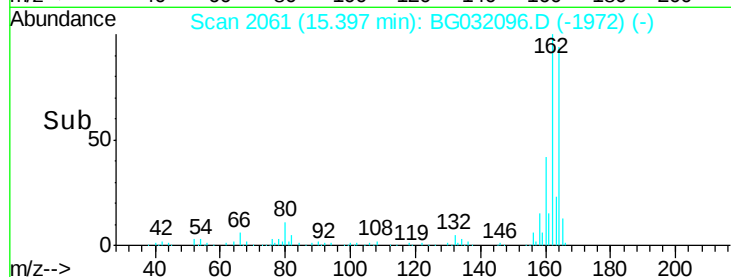
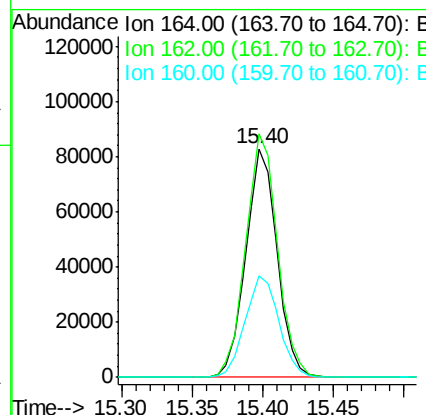
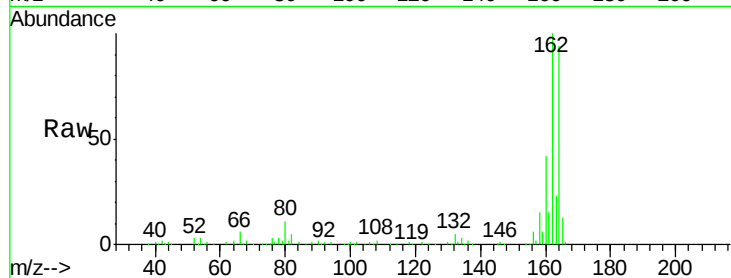




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.40 min Scan# 2061
Delta R.T. -0.01 min
Lab File: BG032096.D
Acq: 17 Jan 2018 7:57

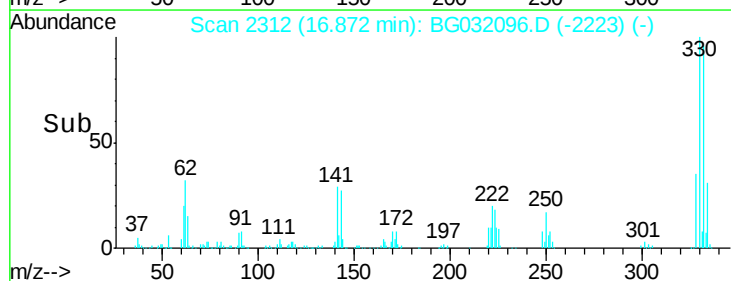
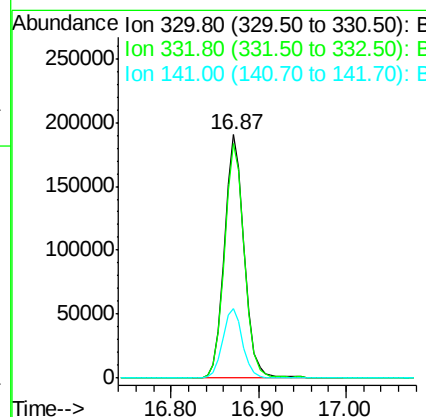
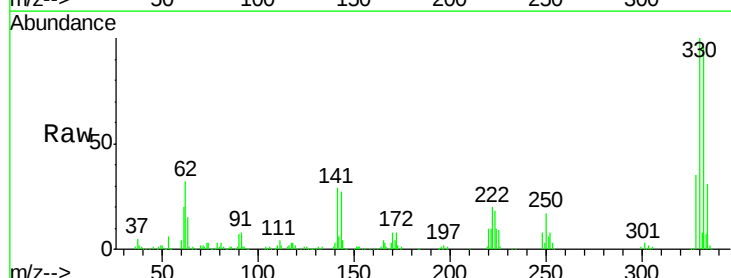
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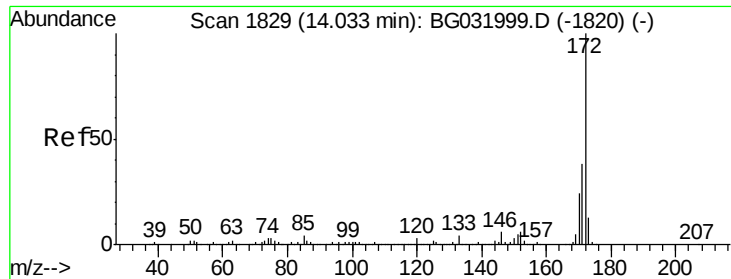
Tgt Ion:164 Resp: 128537
Ion Ratio Lower Upper
164 100
162 106.6 78.8 118.2
160 44.6 35.4 53.0



#41
2,4,6-Tribromophenol
Concen: 140.012 ng
RT: 16.87 min Scan# 2312
Delta R.T. -0.01 min
Lab File: BG032096.D
Acq: 17 Jan 2018 7:57

Tgt Ion:330 Resp: 297803
Ion Ratio Lower Upper
330 100
332 96.4 77.0 115.6
141 28.7 25.2 37.8

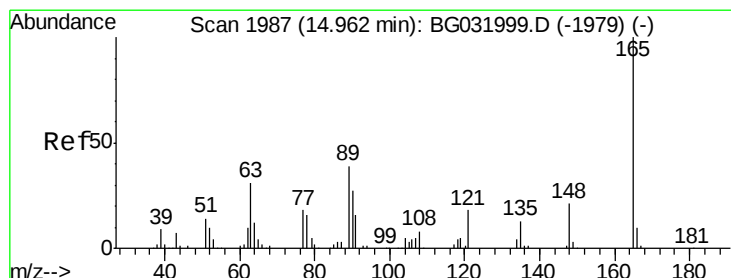
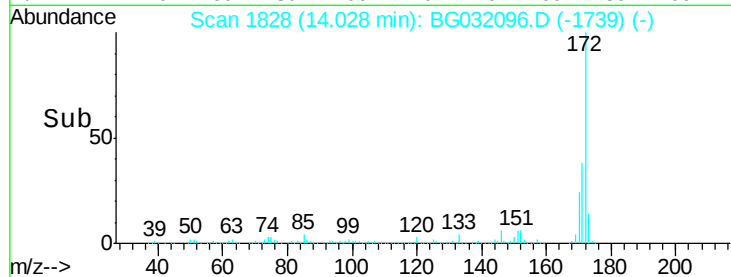
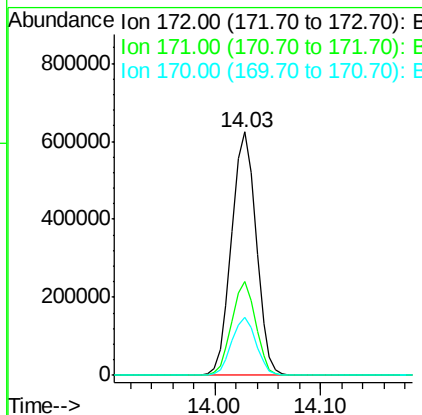
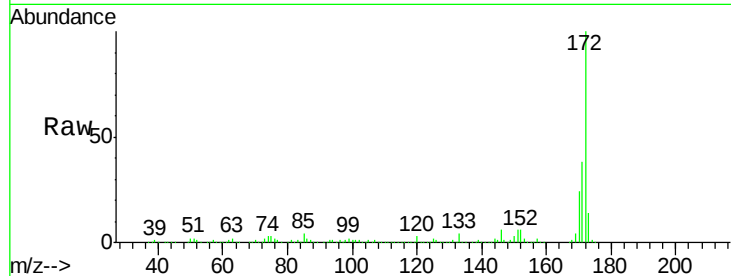




#44
 2-Fluorobiphenyl
 Concen: 96.904 ng
 RT: 14.03 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BG032096.D
 Acq: 17 Jan 2018 7:57

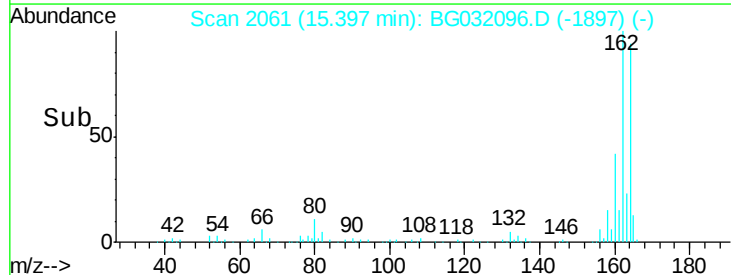
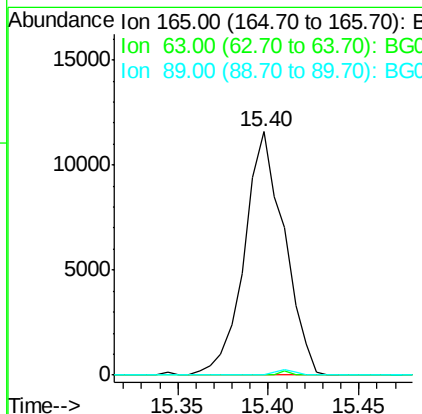
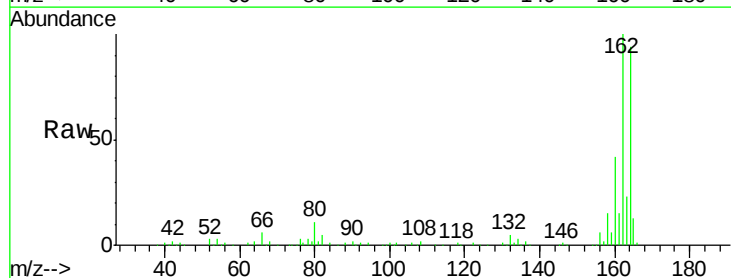
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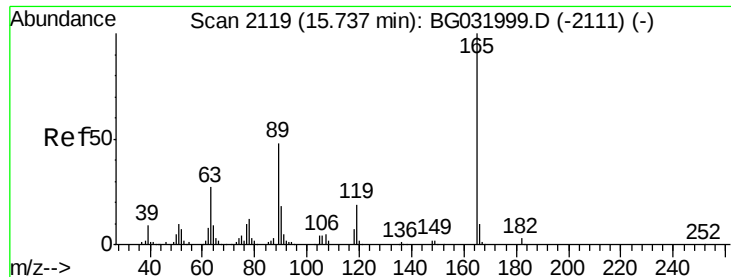
Tgt Ion:172 Resp: 1004537
 Ion Ratio Lower Upper
 172 100
 171 38.5 30.0 45.0
 170 23.7 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.605 ng
 RT: 15.40 min Scan# 2061
 Delta R.T. 0.44 min
 Lab File: BG032096.D
 Acq: 17 Jan 2018 7:57

Tgt Ion:165 Resp: 17755
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#

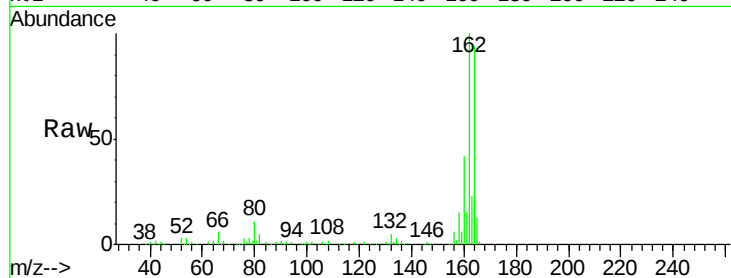




#56
2,4-Dinitrotoluene
Concen: 5.649 ng
RT: 15.40 min Scan# 2061
Delta R.T. -0.34 min
Lab File: BG032096.D
Acq: 17 Jan 2018 7:57

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#

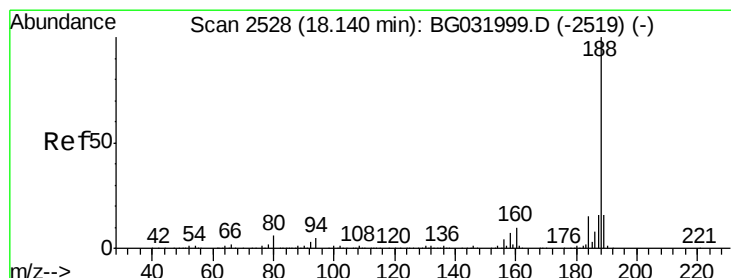
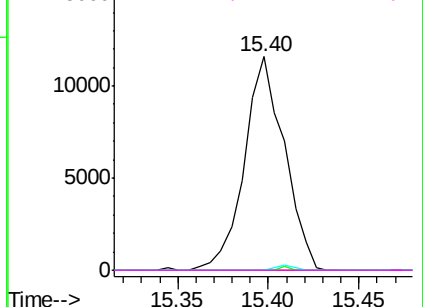
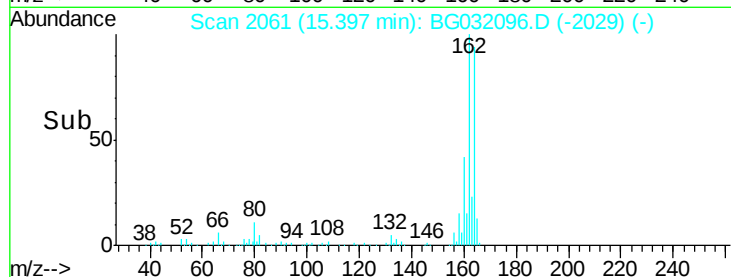


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

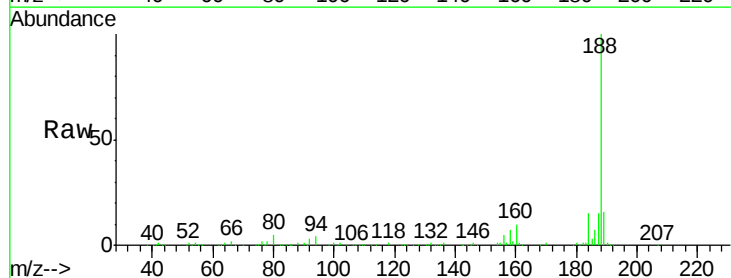
Ion 89.00 (88.70 to 89.70): BGC

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: BG032096.D
Acq: 17 Jan 2018 7:57

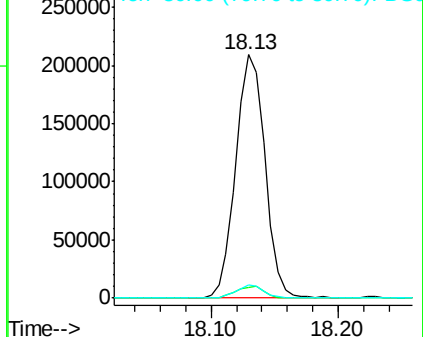
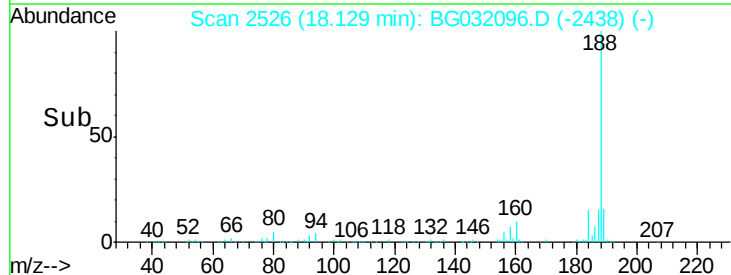
Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.1	6.9	10.3#
80	5.3	7.7	11.5#

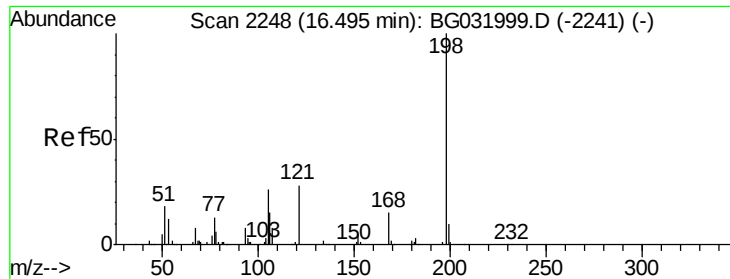


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

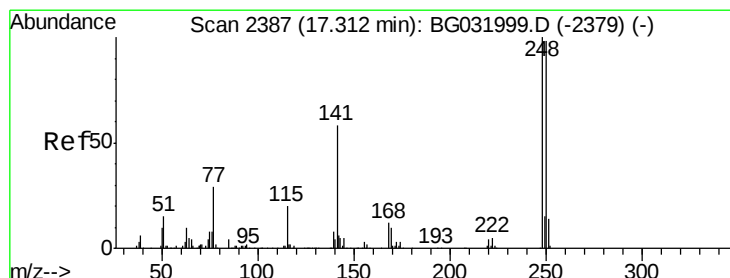
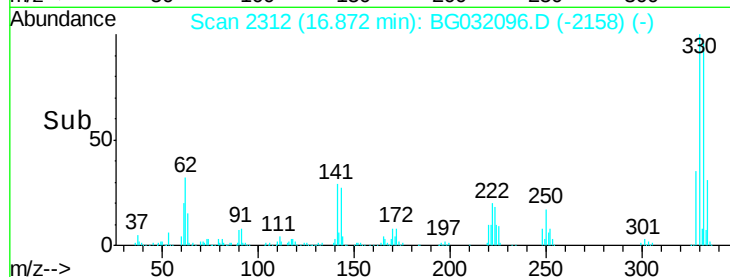
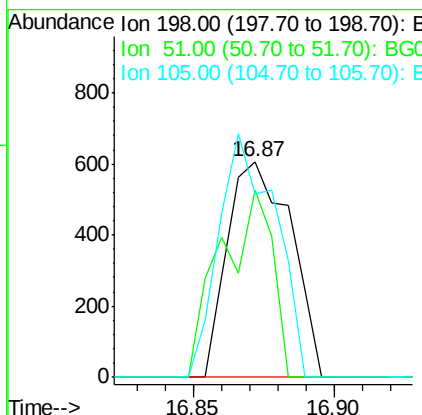
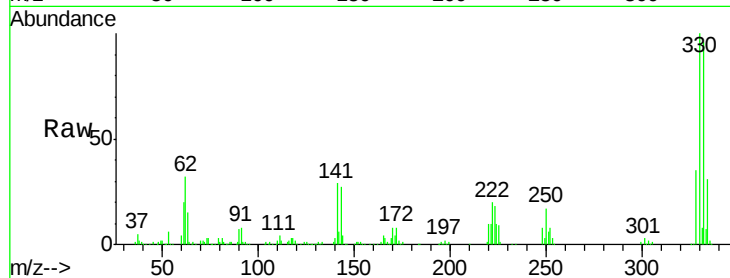




#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.281 ng
 RT: 16.87 min Scan# 2312
 Delta R.T. 0.38 min
 Lab File: BG032096.D
 Acq: 17 Jan 2018 7:57

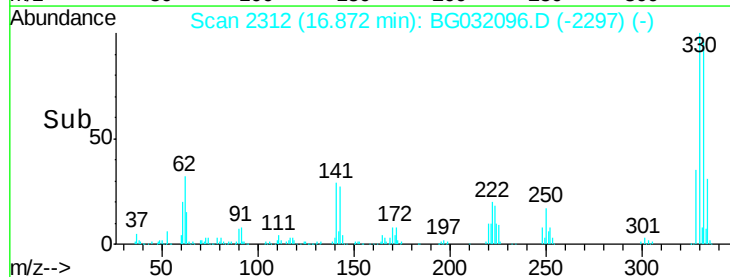
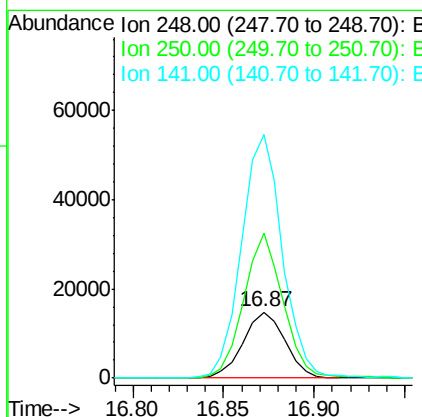
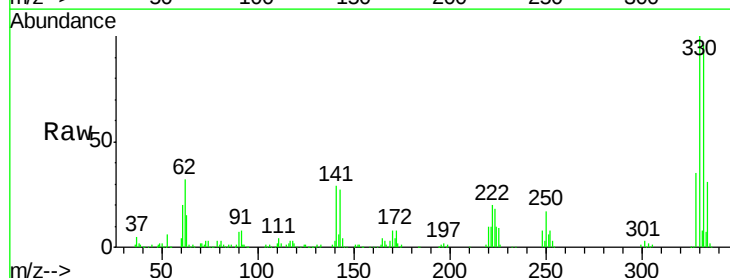
Instrument :
 BNA_G
 ClientSampleId :
 EO-02-011218-A

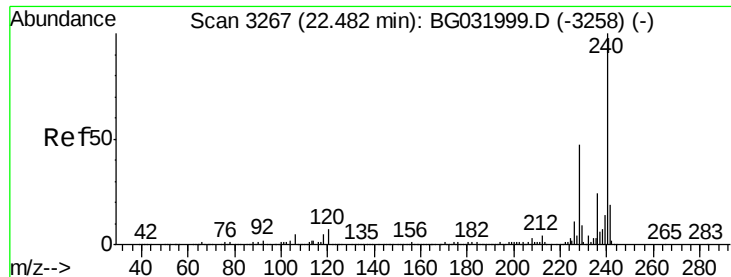
Tgt Ion:198 Resp: 943
 Ion Ratio Lower Upper
 198 100
 51 87.0 30.6 70.6#
 105 85.2 23.8 63.8#



#66
 4-Bromophenyl-phenylether
 Concen: 5.000 ng
 RT: 16.87 min Scan# 2312
 Delta R.T. -0.44 min
 Lab File: BG032096.D
 Acq: 17 Jan 2018 7:57

Tgt Ion:248 Resp: 23720
 Ion Ratio Lower Upper
 248 100
 250 221.7 77.1 115.7#
 141 370.7 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.47 min Scan# 3264

Delta R.T. -0.02 min

Lab File: BG032096.D

Acq: 17 Jan 2018 7:57

Instrument :

BNA_G

ClientSampleId :

EO-02-011218-A

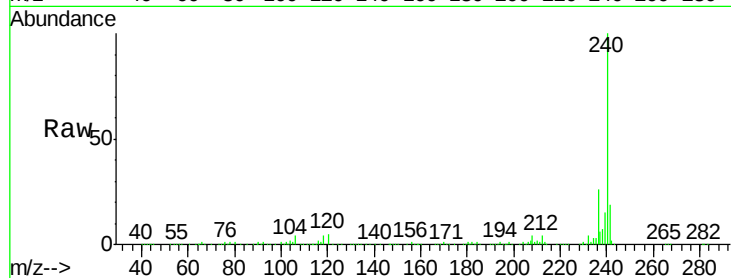
Tgt Ion:240 Resp: 404068

Ion Ratio Lower Upper

240 100

120 5.0 6.8 10.2#

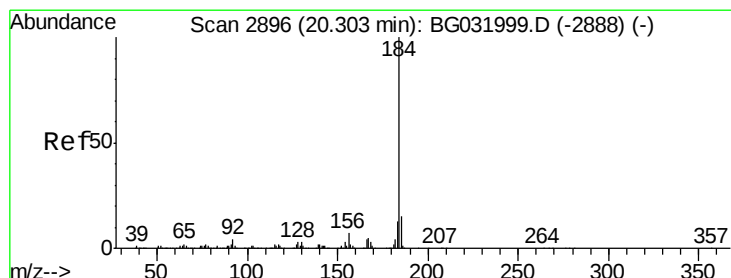
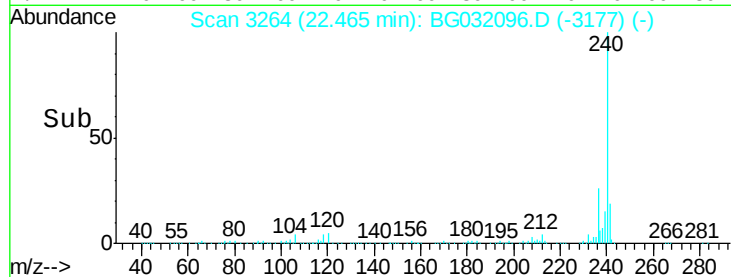
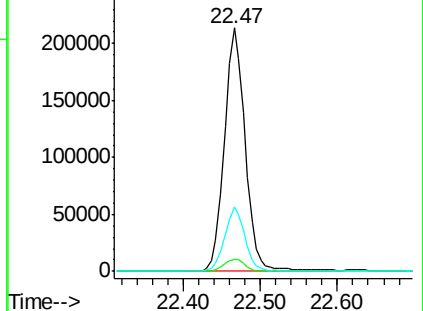
236 26.2 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 2.544 ng

RT: 20.66 min Scan# 2957

Delta R.T. 0.36 min

Lab File: BG032096.D

Acq: 17 Jan 2018 7:57

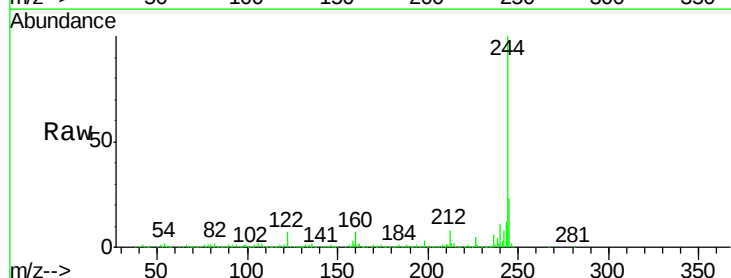
Tgt Ion:184 Resp: 25708

Ion Ratio Lower Upper

184 100

185 20.7 11.1 16.7#

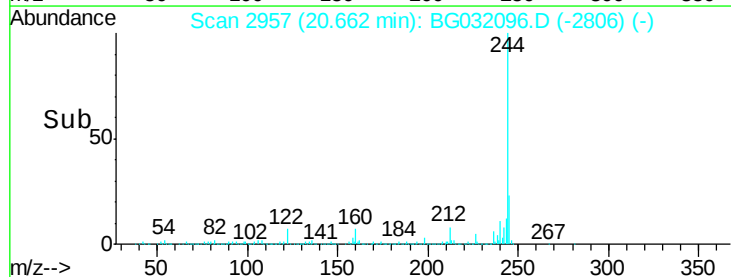
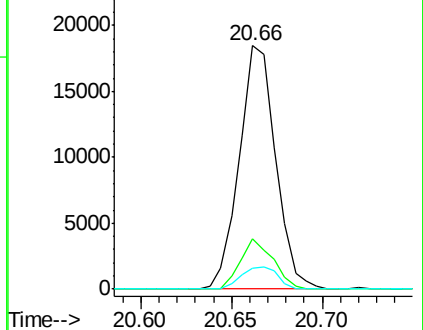
183 8.4 10.6 16.0#

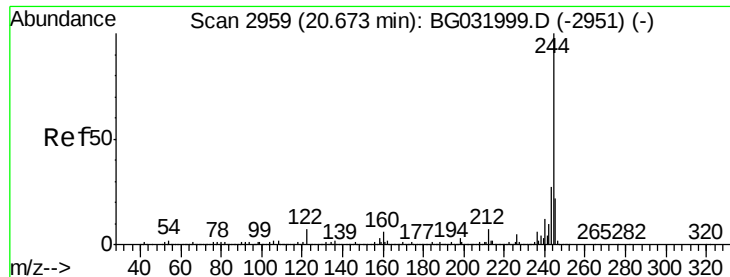


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 101.605 ng

RT: 20.66 min Scan# 2957

Delta R.T. -0.01 min

Lab File: BG032096.D

Acq: 17 Jan 2018 7:57

Instrument :

BNA_G

ClientSampleId :

EO-02-011218-A

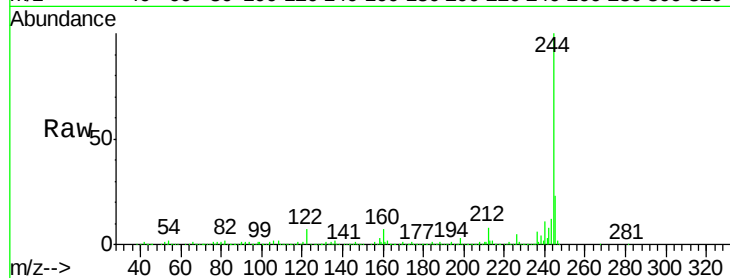
Tgt Ion:244 Resp: 1859360

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.8

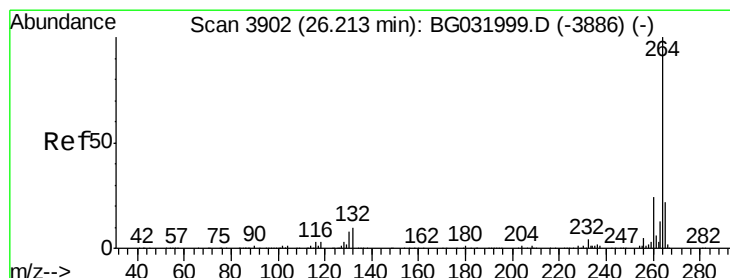
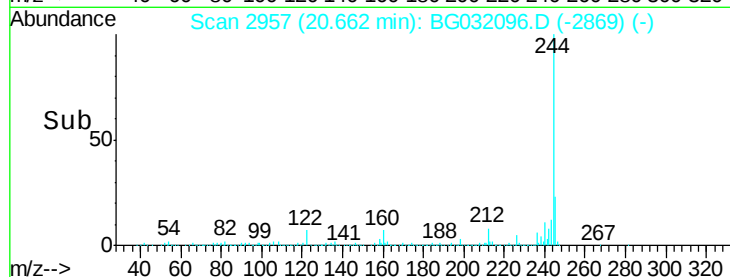
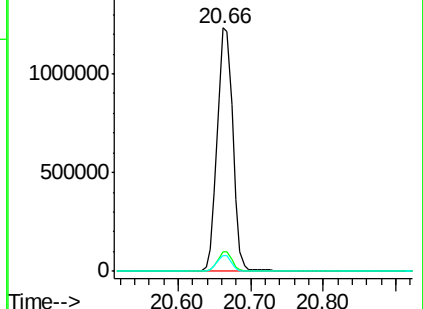
122 6.7 7.0 10.4#



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# 3897

Delta R.T. -0.03 min

Lab File: BG032096.D

Acq: 17 Jan 2018 7:57

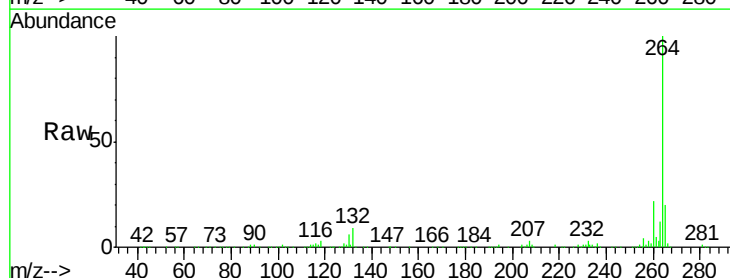
Tgt Ion:264 Resp: 407351

Ion Ratio Lower Upper

264 100

260 21.8 17.4 26.0

265 20.3 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

