

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120118\
 Data File : BG038289.D
 Acq On : 1 Dec 2018 16:07
 Operator : JU/SJ
 Sample : PB115178TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB115178TB

Quant Time: Dec 03 01:07:18 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 16:39:28 2018
 Response via : Initial Calibration

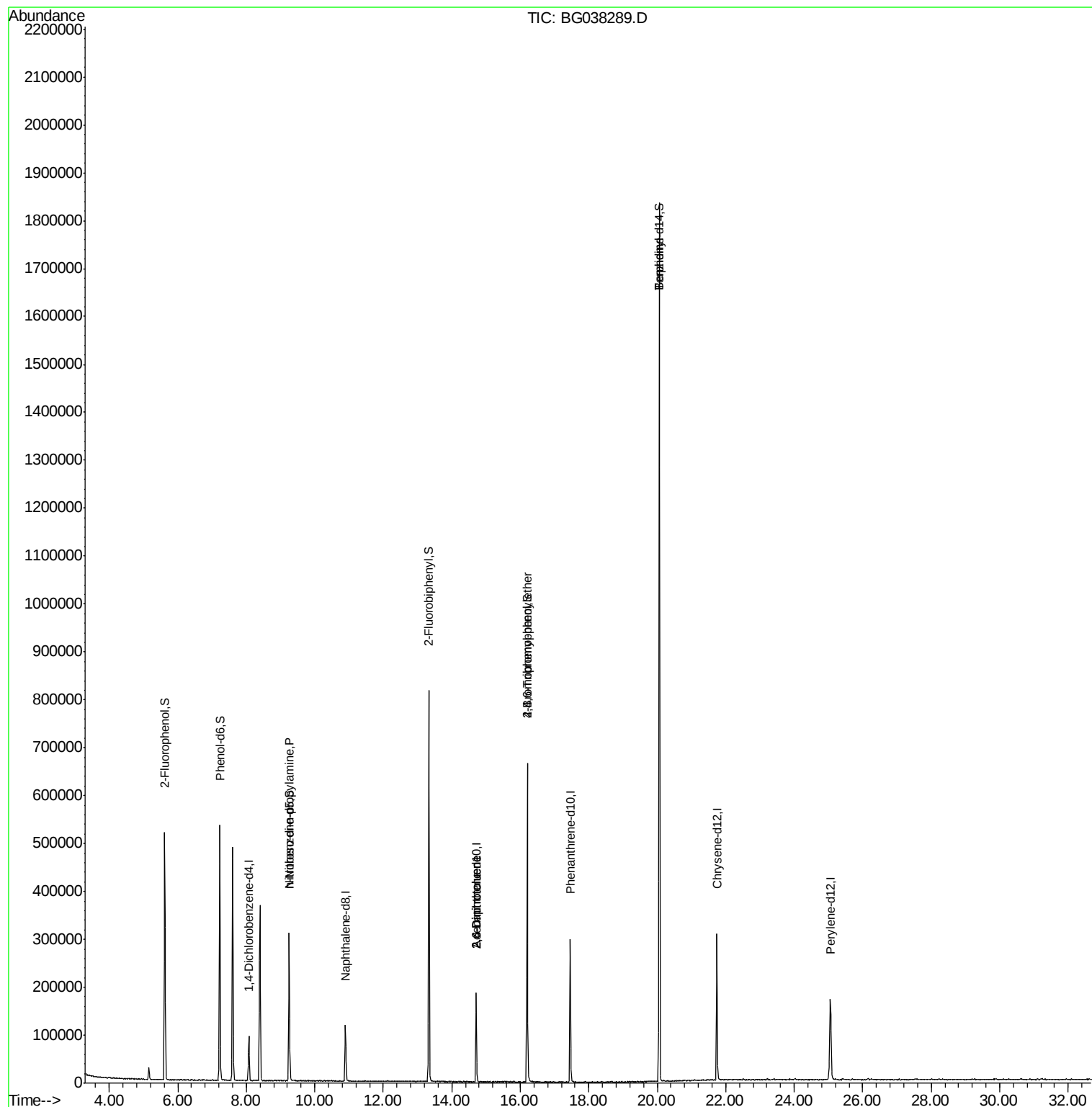
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	26861	20.00	ng	-0.01
21) Naphthalene-d8	10.90	136	108667	20.00	ng	-0.01
39) Acenaphthene-d10	14.71	164	69215	20.00	ng	-0.01
64) Phenanthrene-d10	17.46	188	187811	20.00	ng	-0.01
76) Chrysene-d12	21.74	240	193146	20.00	ng	-0.01
87) Perylene-d12	25.06	264	194188	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	219741	141.24	ng	-0.01
7) Phenol-d6	7.22	99	302289	136.12	ng	0.00
23) Nitrobenzene-d5	9.25	82	192312	94.73	ng	-0.01
42) 2,4,6-Tribromophenol	16.20	330	128276	162.50	ng	-0.01
45) 2-Fluorobiphenyl	13.34	172	442501	93.14	ng	-0.01
79) Terphenyl-d14	20.06	244	899586	109.59	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.25	70	25290	15.739	ng	# 81
51) 2,6-Dinitrotoluene	14.71	165	9179	7.391	ng	# 23
57) 2,4-Dinitrotoluene	14.71	165	9179	5.432	ng	# 23
67) 4-Bromophenyl-phenylether	16.20	248	8698	4.219	ng	# 1
77) Benzidine	20.06	184	16274	2.401	ng	# 91

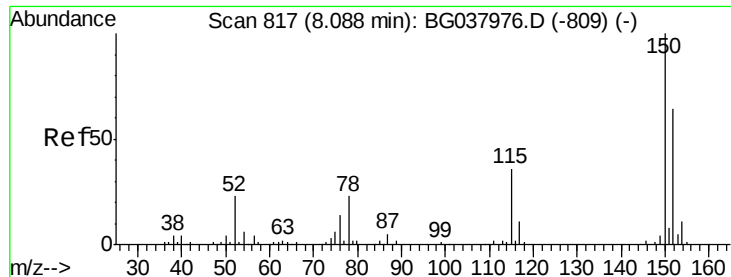
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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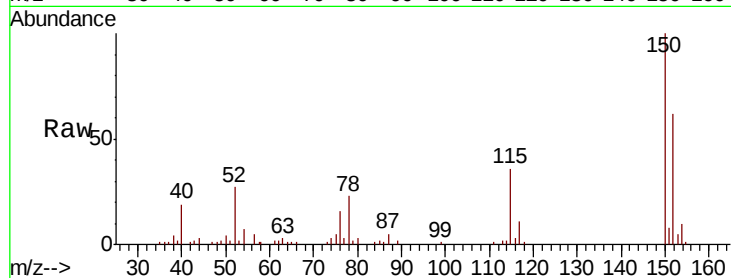


#1

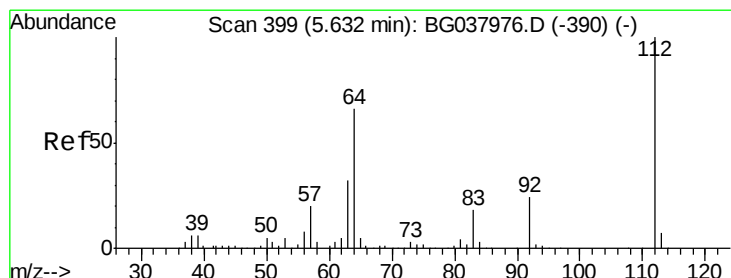
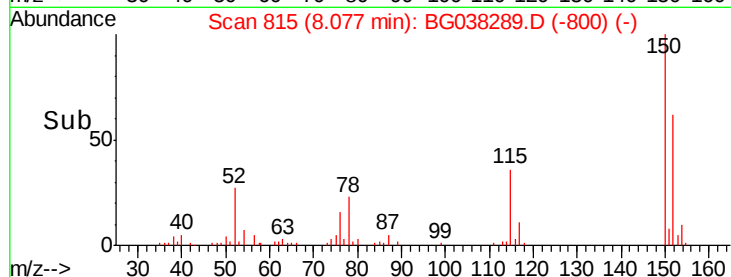
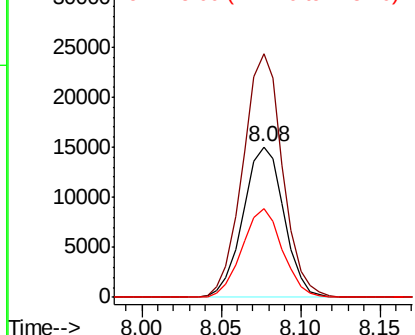
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 815
Delta R.T. -0.01 min
Lab File: BG038289.D
Acq: 1 Dec 2018 16:07

Instrument :
BNA_G
ClientSampleId :
PB115178TB

Tot Ion:152 Resp: 26861
Ion Ratio Lower Upper
152 100
150 162.1 126.0 189.0
115 59.2 45.5 68.3



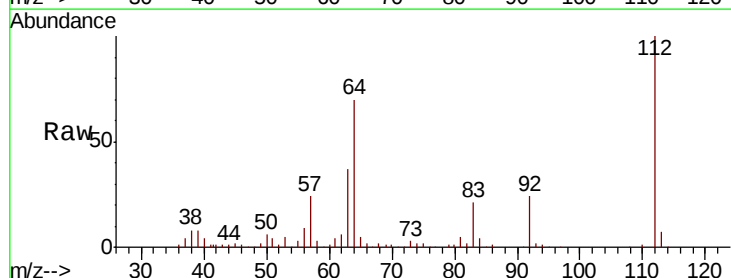
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



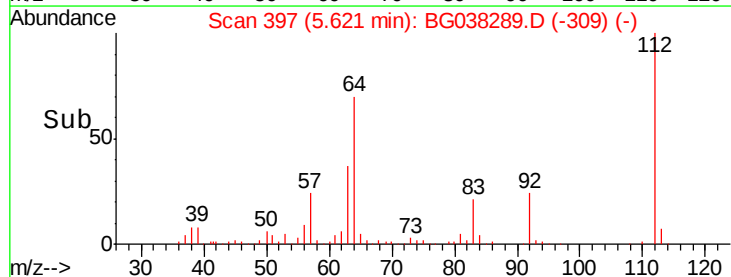
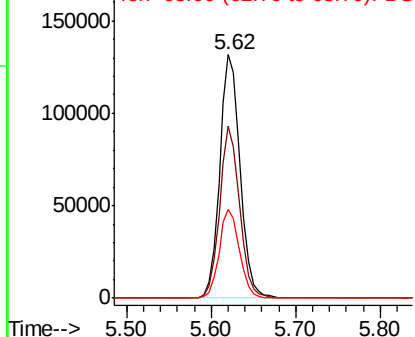
#5

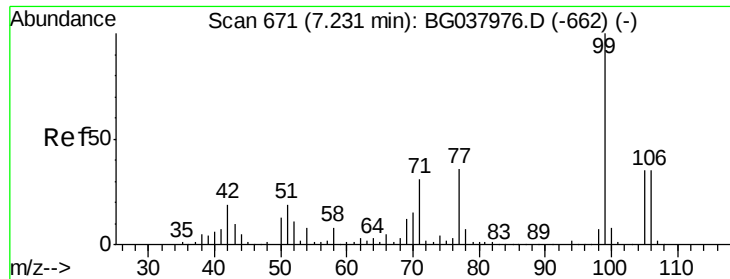
2-Fluorophenol
Concen: 141.245 ng
RT: 5.62 min Scan# 397
Delta R.T. -0.01 min
Lab File: BG038289.D
Acq: 1 Dec 2018 16:07

Tgt Ion:112 Resp: 219741
Ion Ratio Lower Upper
112 100
64 70.4 53.1 79.7
63 36.6 27.3 40.9



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: 136.121 ng

RT: 7.22 min Scan# 670

Delta R.T. -0.01 min

Lab File: BG038289.D

Acq: 1 Dec 2018 16:07

Instrument :

BNA_G

ClientSampleId :

PB115178TB

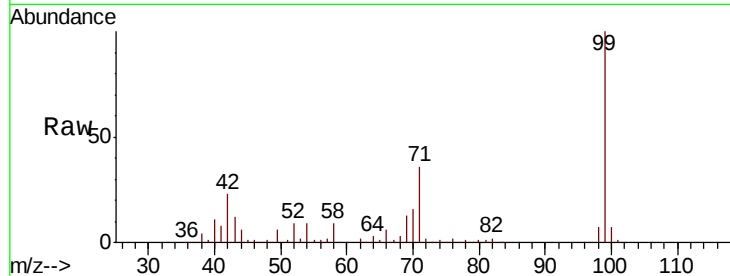
Tot Ion: 99 Resp: 302289

Ion Ratio Lower Upper

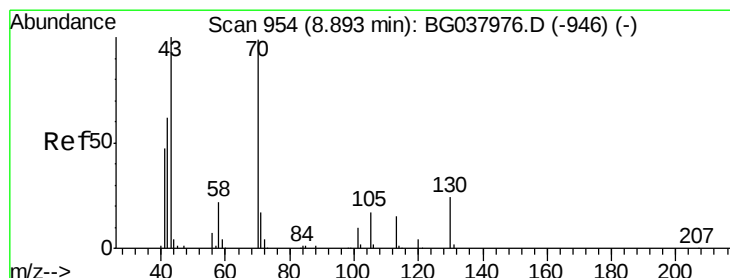
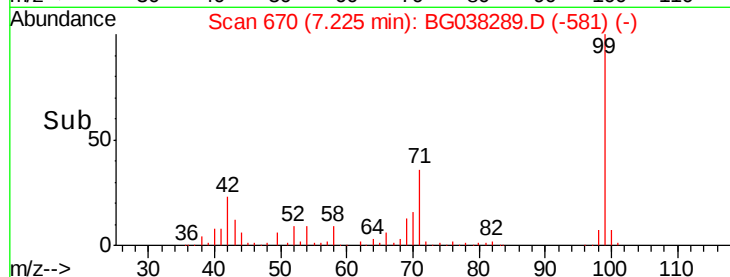
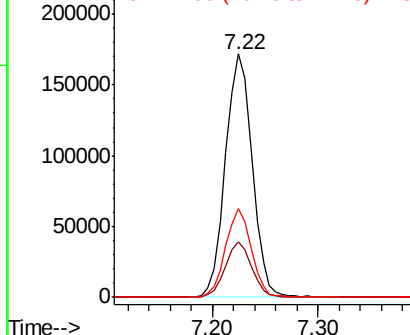
99 100

42 22.5 15.0 22.4#

71 36.2 25.5 38.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.739 ng

RT: 9.25 min Scan# 1015

Delta R.T. 0.36 min

Lab File: BG038289.D

Acq: 1 Dec 2018 16:07

Tgt Ion: 70 Resp: 25290

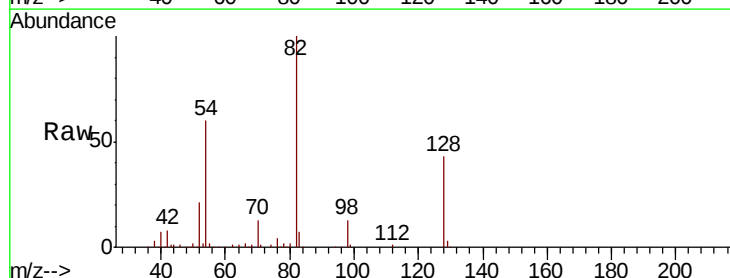
Ion Ratio Lower Upper

70 100

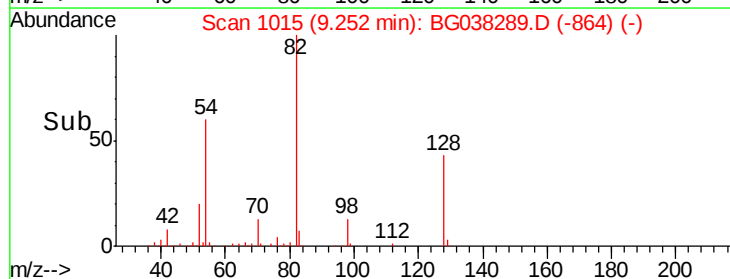
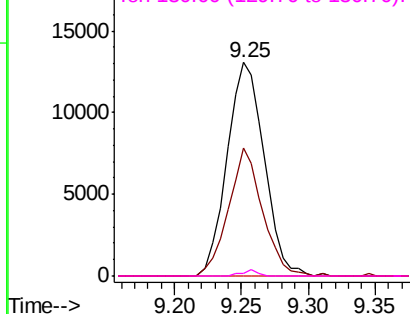
42 59.9 53.9 80.9

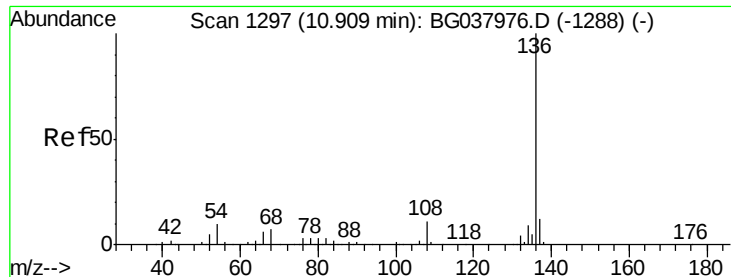
101 0.0 8.2 12.2#

130 1.5 18.2 27.4#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.90 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BG038289.D

Acq: 1 Dec 2018 16:07

Instrument :

BNA_G

ClientSampleId :

PB115178TB

Tot Ion:136 Resp: 108667

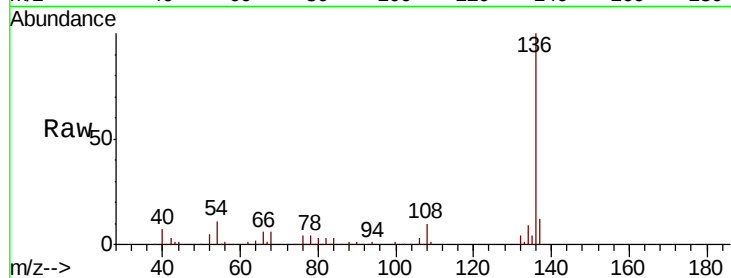
Ion Ratio Lower Upper

136 100

137 12.0 9.6 14.4

54 10.5 7.9 11.9

68 6.3 4.8 7.2

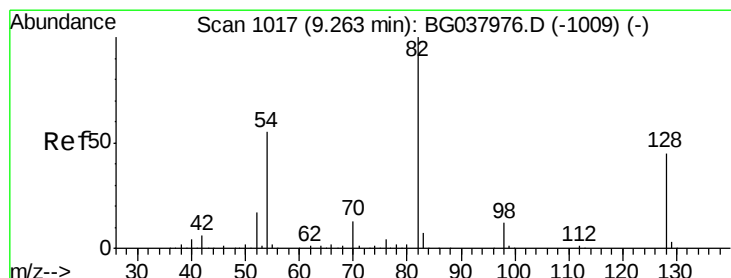
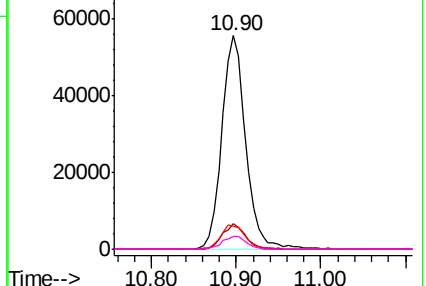
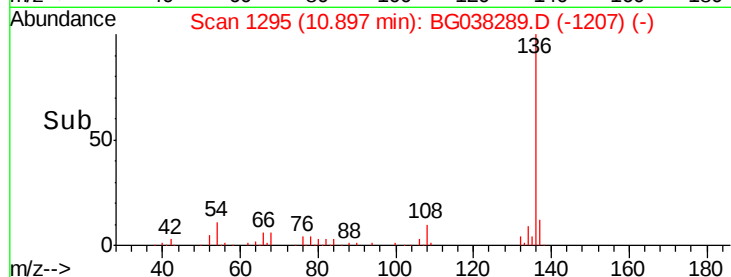


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 94.735 ng

RT: 9.25 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BG038289.D

Acq: 1 Dec 2018 16:07

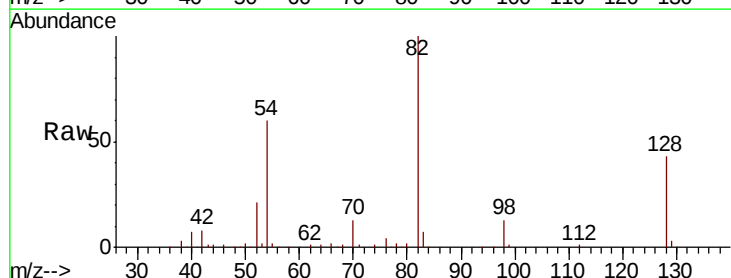
Tgt Ion: 82 Resp: 192312

Ion Ratio Lower Upper

82 100

128 42.9 34.6 51.8

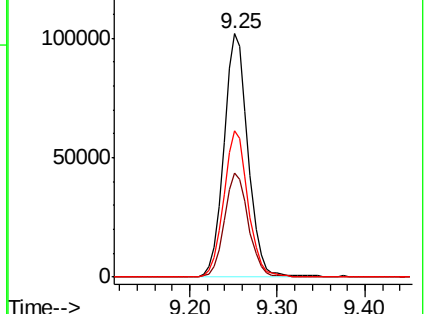
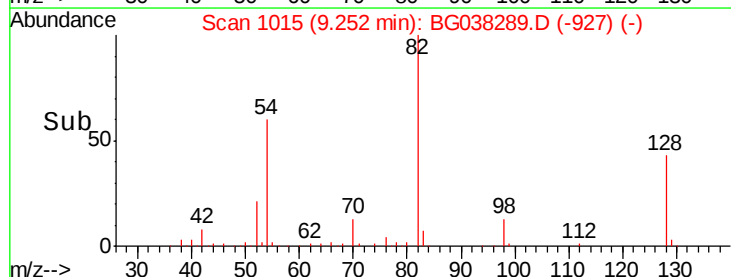
54 59.9 45.3 67.9

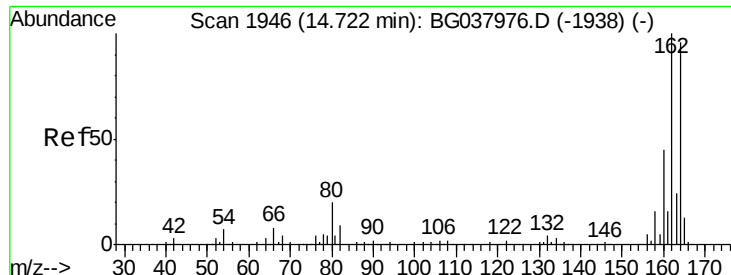


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.71 min Scan# 1944

Delta R.T. -0.01 min

Lab File: BG038289.D

Acq: 1 Dec 2018 16:07

Instrument :

BNA_G

ClientSampleId :

PB115178TB

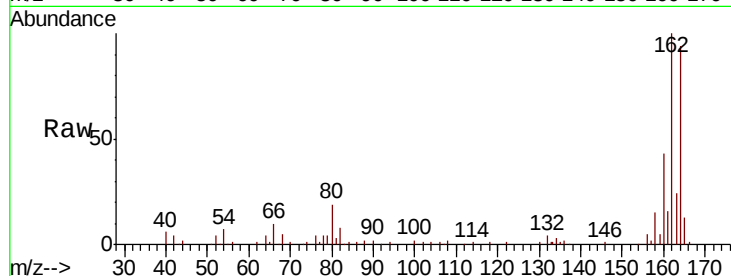
Tot Ion:164 Resp: 69215

Ion Ratio Lower Upper

164 100

162 106.2 81.3 121.9

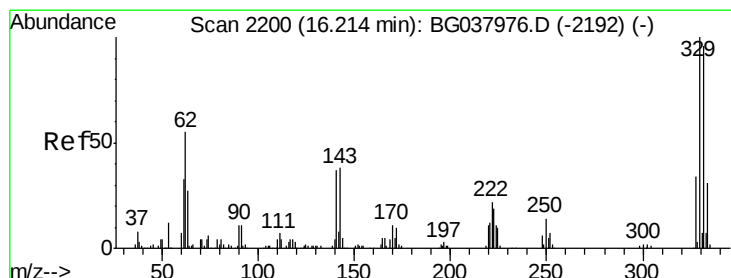
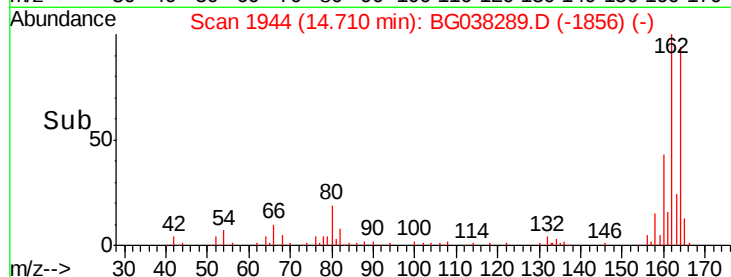
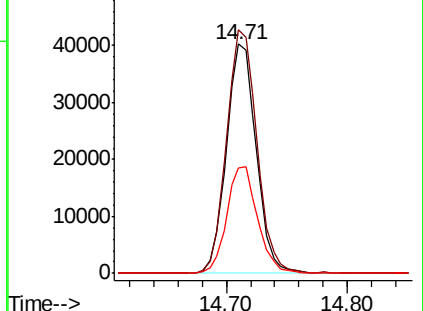
160 45.9 36.3 54.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 162.502 ng

RT: 16.20 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BG038289.D

Acq: 1 Dec 2018 16:07

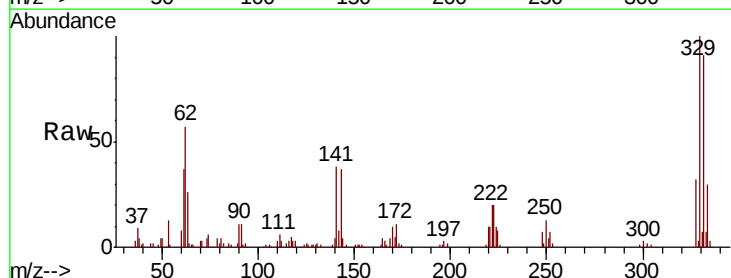
Tgt Ion:330 Resp: 128276

Ion Ratio Lower Upper

330 100

332 95.1 78.4 117.6

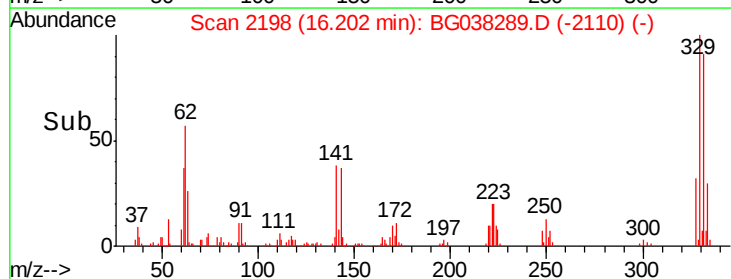
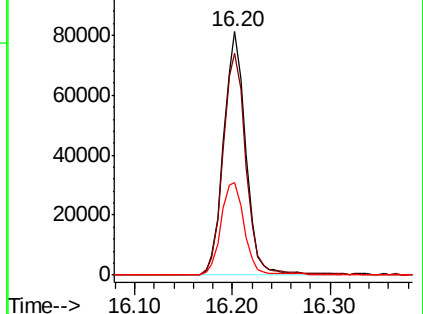
141 39.6 32.2 48.2

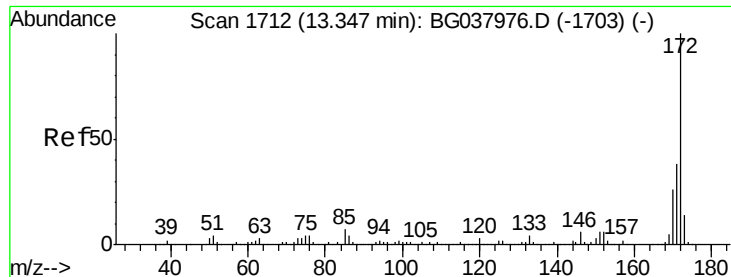


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

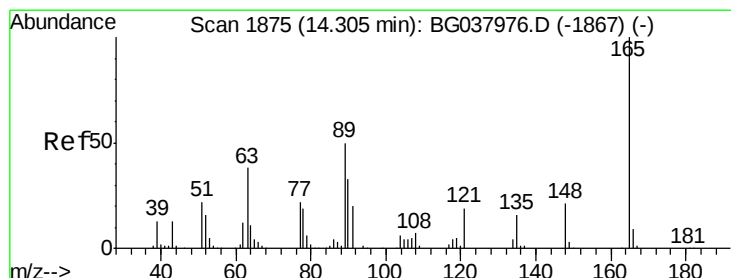
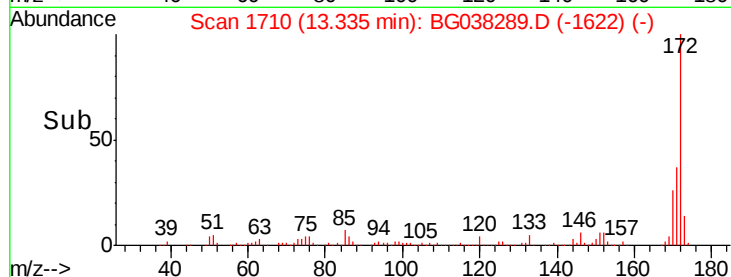
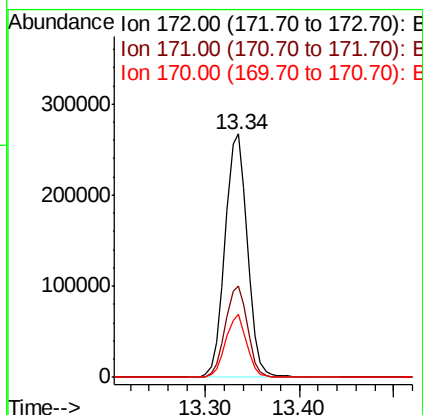
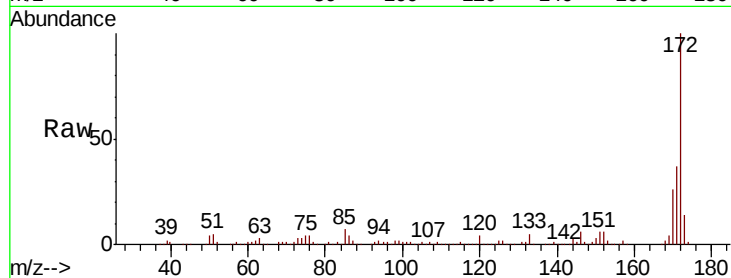




#45
 2-Fluorobiphenyl
 Concen: 93.138 ng
 RT: 13.34 min Scan# 1710
 Delta R.T. -0.01 min
 Lab File: BG038289.D
 Acq: 1 Dec 2018 16:07

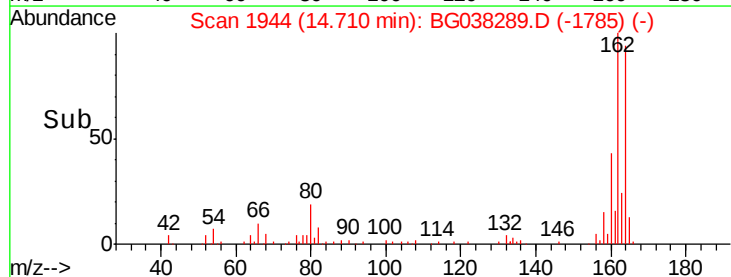
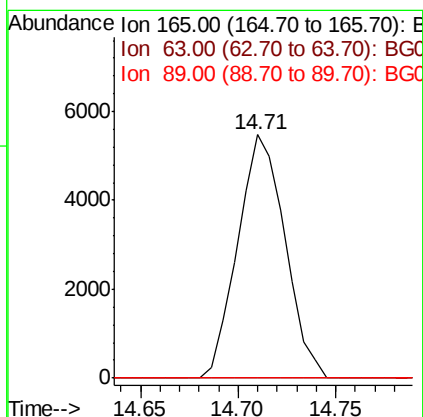
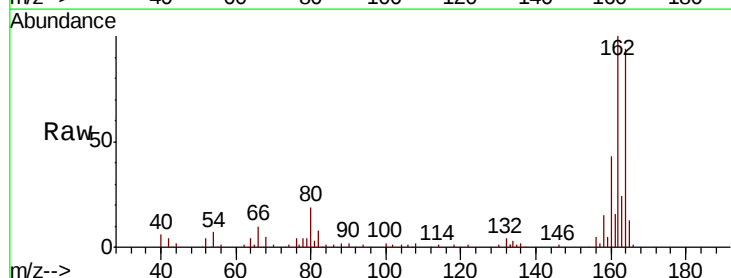
Instrument :
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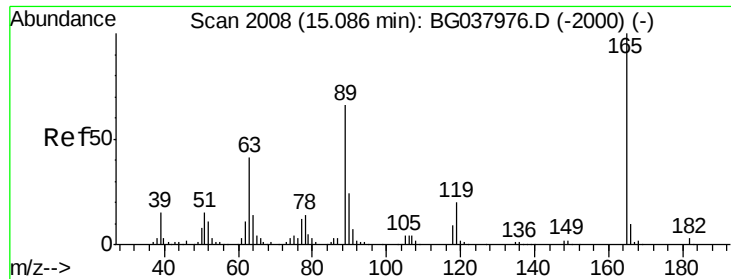
Tot Ion:172 Resp: 442501
 Ion Ratio Lower Upper
 172 100
 171 37.4 31.0 46.4
 170 25.8 20.2 30.2



#51
 2,6-Dinitrotoluene
 Concen: 7.391 ng
 RT: 14.71 min Scan# 1944
 Delta R.T. 0.41 min
 Lab File: BG038289.D
 Acq: 1 Dec 2018 16:07

Tgt Ion:165 Resp: 9179
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.4 65.2#
 89 0.0 45.8 68.6#

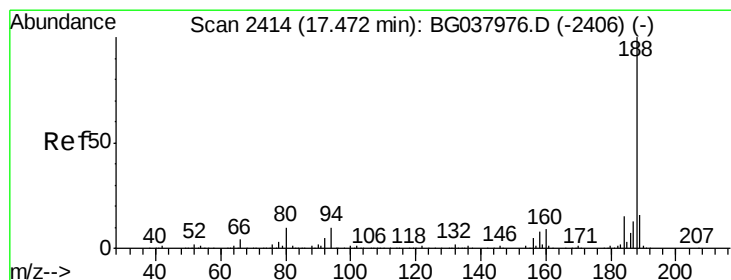
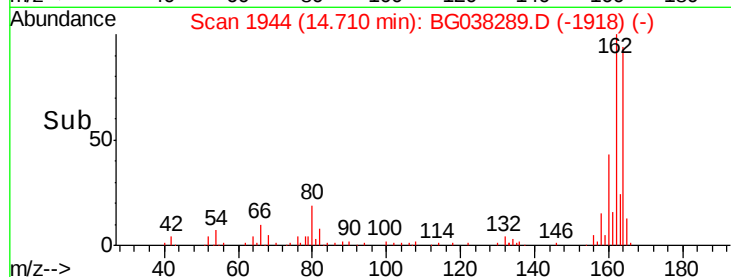
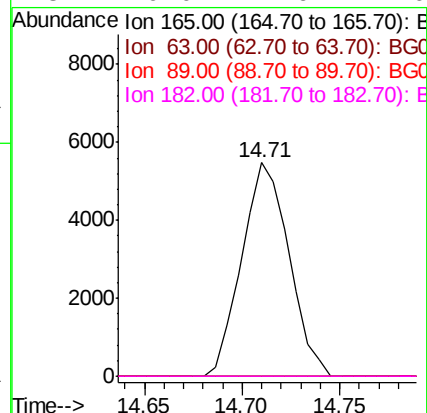
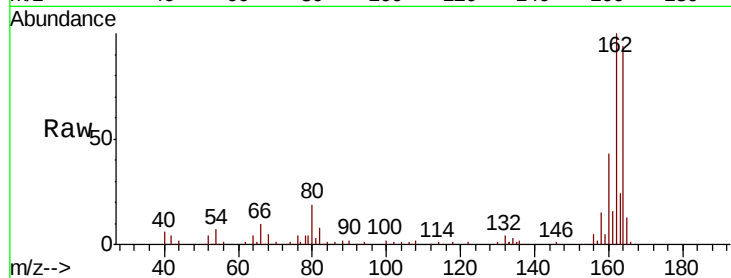




#57
 2,4-Dinitrotoluene
 Concen: 5.432 ng
 RT: 14.71 min Scan# 1944
 Delta R.T. -0.38 min
 Lab File: BG038289.D
 Acq: 1 Dec 2018 16:07

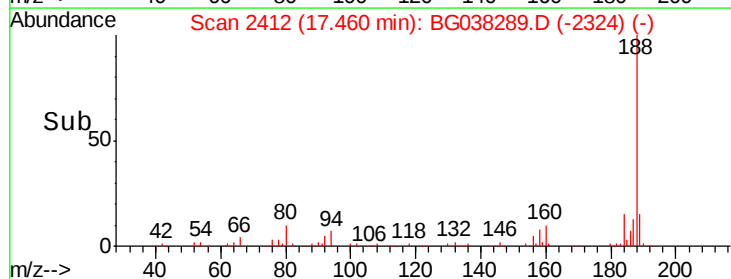
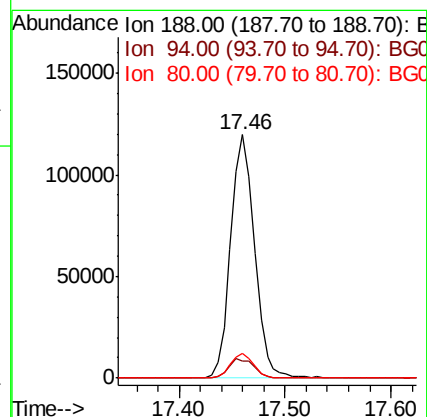
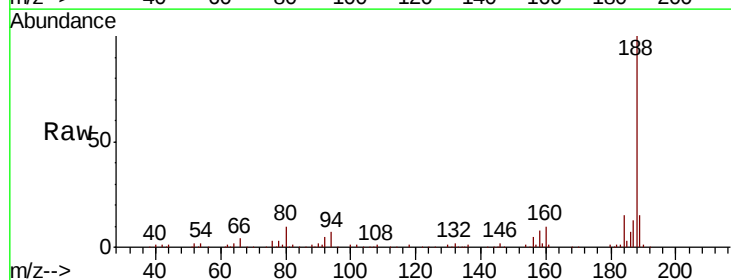
Instrument :
 BNA_G
 ClientSampleId :
 PB115178TB

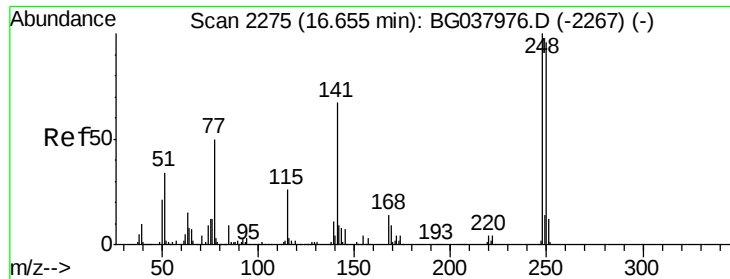
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.4	50.0#
89	0.0	57.2	85.8#
182	0.0	2.6	4.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.46 min Scan# 2412
 Delta R.T. -0.01 min
 Lab File: BG038289.D
 Acq: 1 Dec 2018 16:07

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.2	7.2	10.8
80	9.9	7.7	11.5

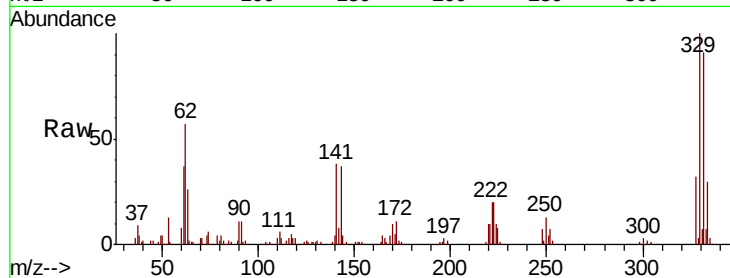




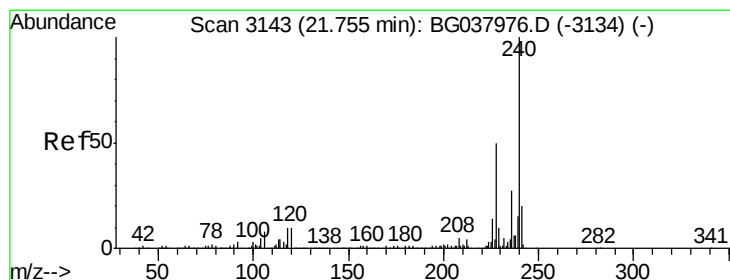
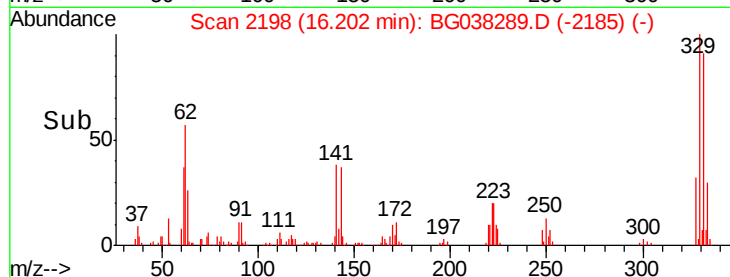
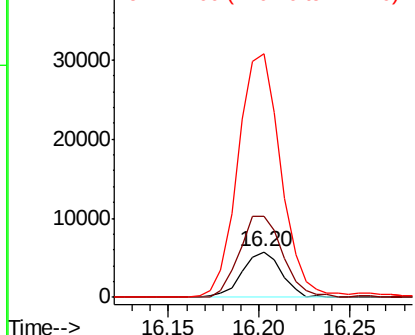
#67
4-Bromophenyl-phenylether
Concen: 4.219 ng
RT: 16.20 min Scan# 2198
Delta R.T. -0.45 min
Lab File: BG038289.D
Acq: 1 Dec 2018 16:07

Instrument :
BNA_G
ClientSampleId :
PB115178TB

Tot Ion:248 Resp: 8698
Ion Ratio Lower Upper
248 100
250 175.7 77.0 115.6#
141 406.0 55.5 83.3#

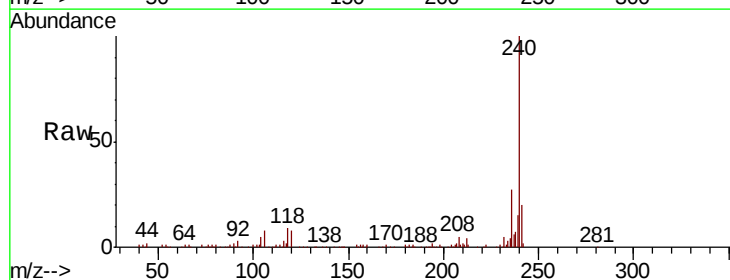


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

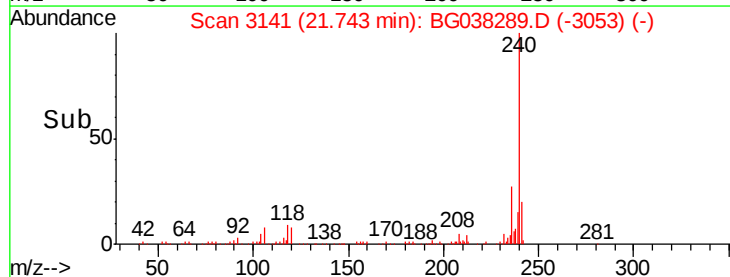
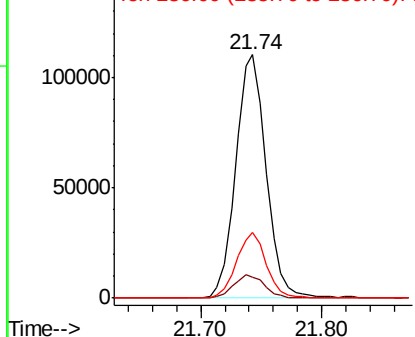


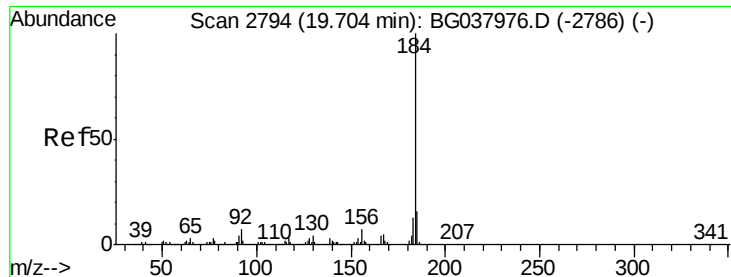
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.74 min Scan# 3141
Delta R.T. -0.01 min
Lab File: BG038289.D
Acq: 1 Dec 2018 16:07

Tgt Ion:240 Resp: 193146
Ion Ratio Lower Upper
240 100
120 8.3 8.1 12.1
236 27.1 21.4 32.0



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





#77

Benzidine

Concen: 2.401 ng

RT: 20.06 min Scan# 2855

Delta R.T. 0.36 min

Lab File: BG038289.D

Acq: 1 Dec 2018 16:07

Instrument :

BNA_G

ClientSampleId :

PB115178TB

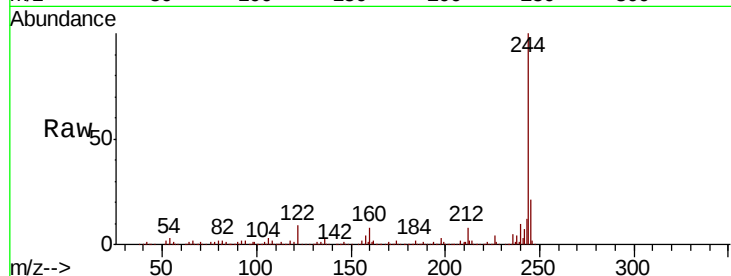
Tot Ion:184 Resp: 16274

Ion Ratio Lower Upper

184 100

185 12.8 12.6 18.8

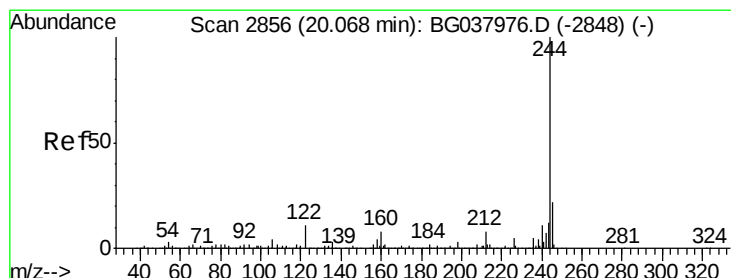
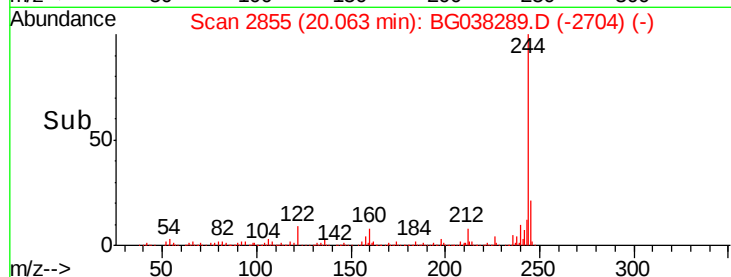
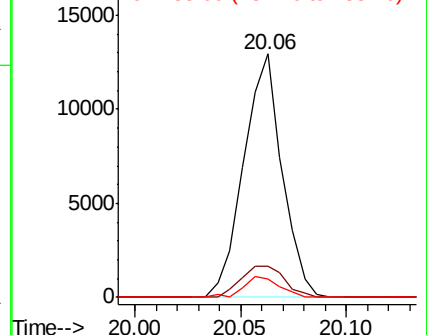
183 7.7 10.2 15.2#



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



#79

Terphenyl-d14

Concen: 109.592 ng

RT: 20.06 min Scan# 2855

Delta R.T. -0.01 min

Lab File: BG038289.D

Acq: 1 Dec 2018 16:07

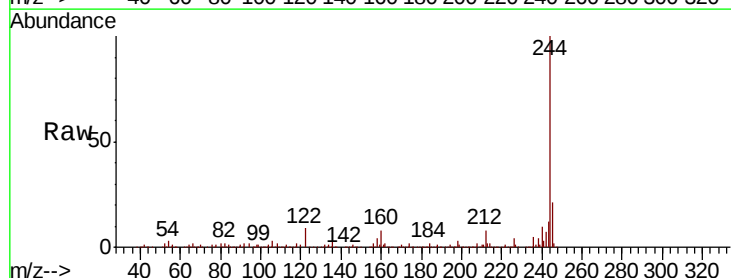
Tgt Ion:244 Resp: 899586

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

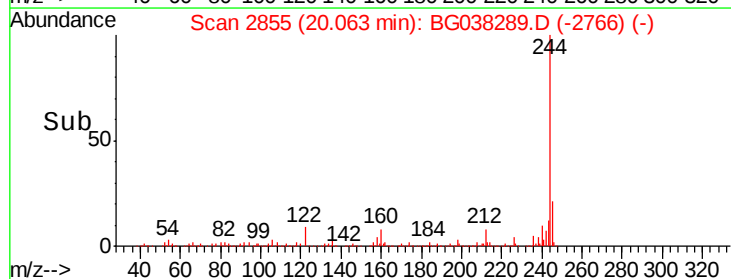
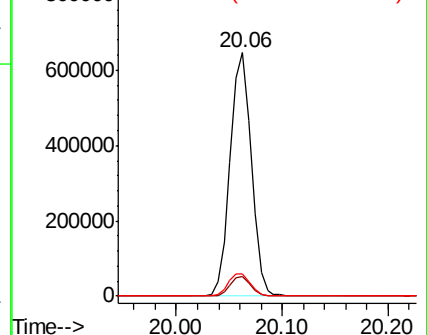
122 9.3 9.0 13.4

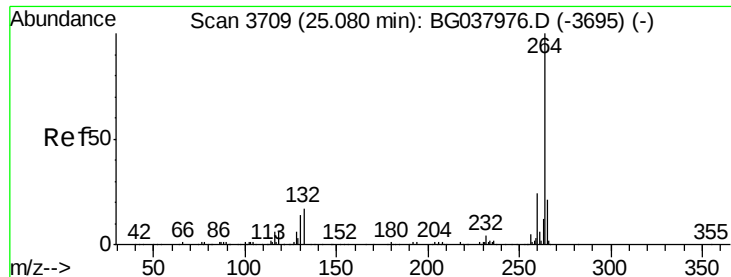


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.06 min Scan# 3705
Delta R.T. -0.02 min
Lab File: BG038289.D
Acq: 1 Dec 2018 16:07

Instrument :
BNA_G
ClientSampleId :
PB115178TB

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.2	27.4
265	20.1	17.9	26.9

