

Data Path : U:\HPCHEM1\BNA G\DATA\BG012718\
 Data File : BG032382.D
 Acq On : 28 Jan 2018 8:07
 Operator : SJ/JU
 Sample : J1307-08
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 29 01:08:38 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 24 14:02:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.72	152	32516	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	123042	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	78497	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	219159	20.00	ng	0.00
75) Chrysene-d12	22.42	240	285540	20.00	ng	0.00
86) Perylene-d12	26.10	264	142062	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	220938	124.27	ng	0.00
7) Phenol-d6	7.84	99	233842	104.44	ng	0.00
23) Nitrobenzene-d5	9.92	82	190886	104.96	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	219178	168.74	ng	0.00
44) 2-Fluorobiphenyl	13.98	172	635385	100.37	ng	0.00
78) Terphenyl-d14	20.63	244	1418734	109.71	ng	0.00

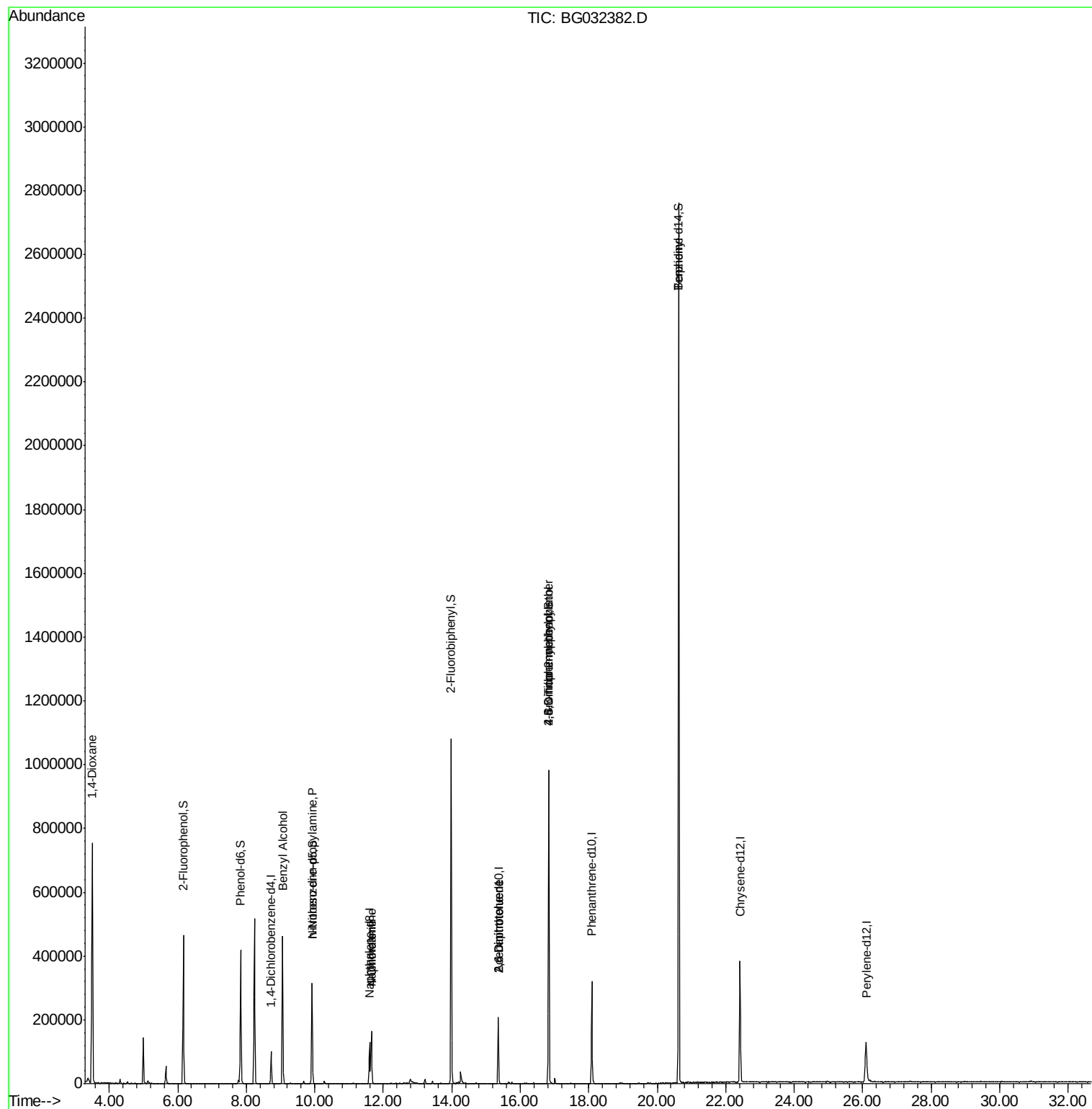
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.51	88	9634	14.105	ng	# 1
15) Benzyl Alcohol	9.06	79	3652	2.245	ng	# 49
19) n-Nitroso-di-n-propylamine	9.92	70	27489	19.787	ng	# 82
31) Naphthalene	11.65	128	155845	25.568	ng	# 99
33) 4-Chloroaniline	11.65	127	22040	8.432	ng	# 36
50) 2,6-Dinitrotoluene	15.35	165	10435	7.319	ng	# 22
56) 2,4-Dinitrotoluene	15.35	165	10435	5.436	ng	# 20
64) 4,6-Dinitro-2-methylphenol	16.83	198	747	5.363	ng	# 63
66) 4-Bromophenyl-phenylether	16.83	248	17796	5.707	ng	# 1
76) Benzidine	20.63	184	20681	2.896	ng	# 90

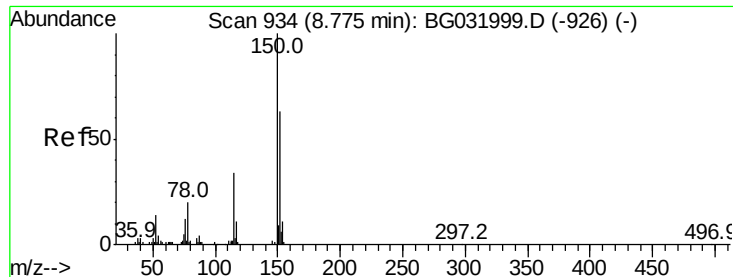
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.72 min Scan# 925

Delta R.T. -0.00 min

Lab File: BG032382.D

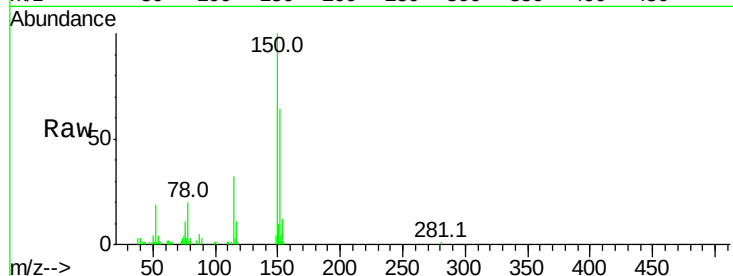
Acq: 28 Jan 2018 8:07

Instrument :

BNA_G

ClientSampleId :

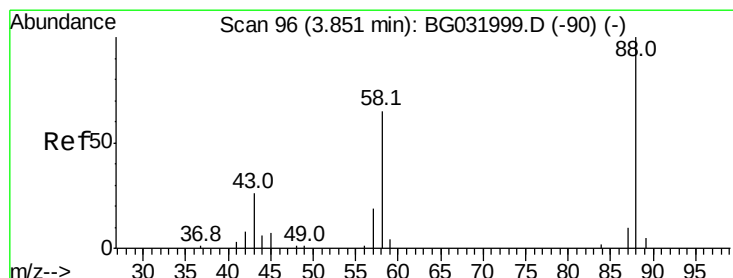
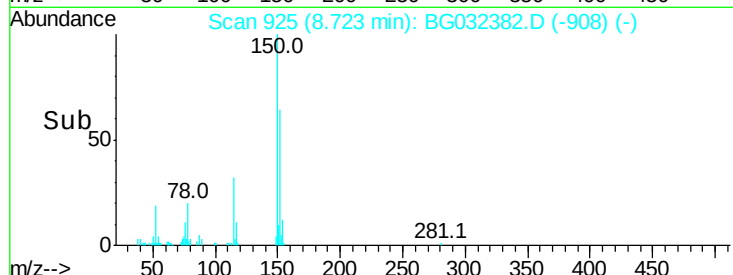
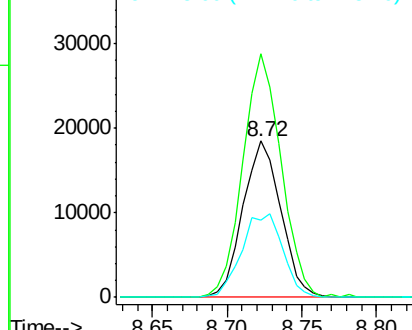
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	126.6	189.8
115	49.6	53.0	79.4#



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



#2

1,4-Dioxane

Concen: 14.105 ng

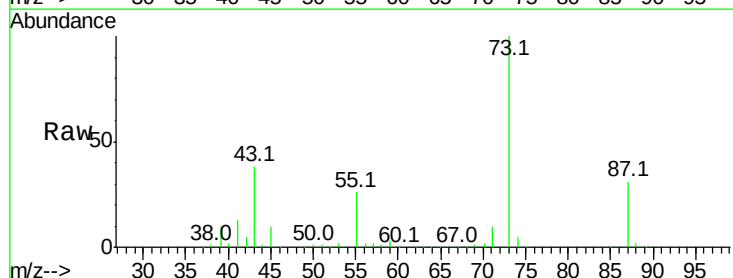
RT: 3.51 min Scan# 37

Delta R.T. -0.32 min

Lab File: BG032382.D

Acq: 28 Jan 2018 8:07

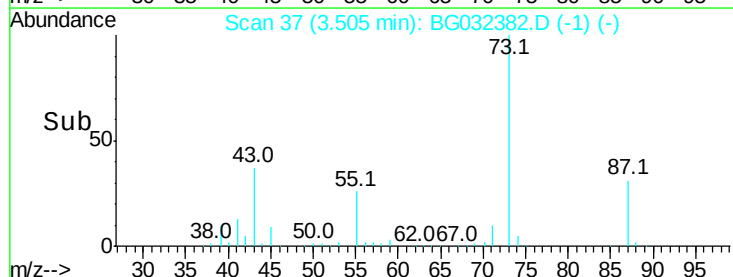
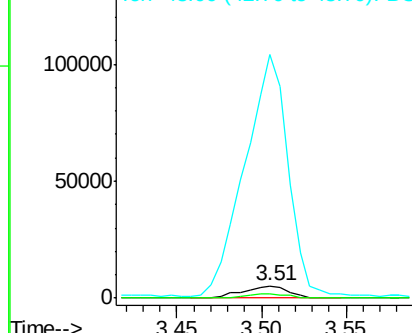
Tgt Ion	Ratio	Lower	Upper
88	100		
58	32.7	79.6	119.4#
43	1921.6	27.4	41.0#

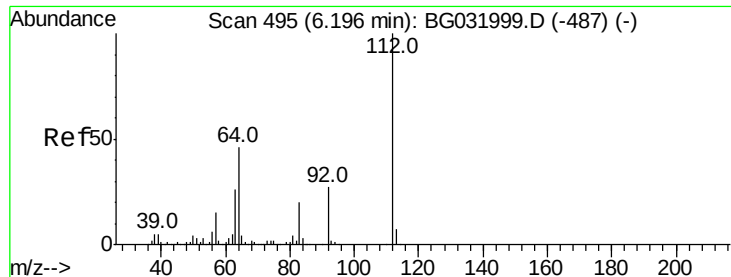


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 124.271 ng

RT: 6.16 min Scan# 489

Delta R.T. 0.01 min

Lab File: BG032382.D

Acq: 28 Jan 2018 8:07

Instrument :

BNA_G

ClientSampleId :

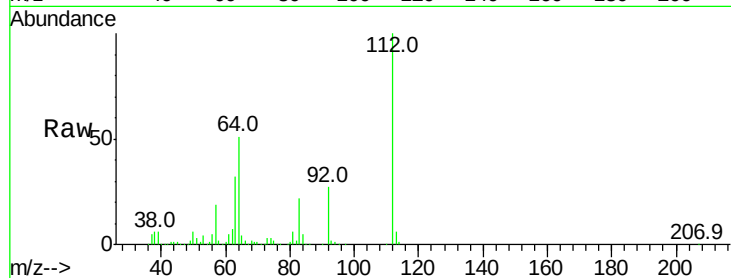
Tot Ion:112 Resp: 220938

Ion Ratio Lower Upper

112 100

64 51.2 56.3 84.5#

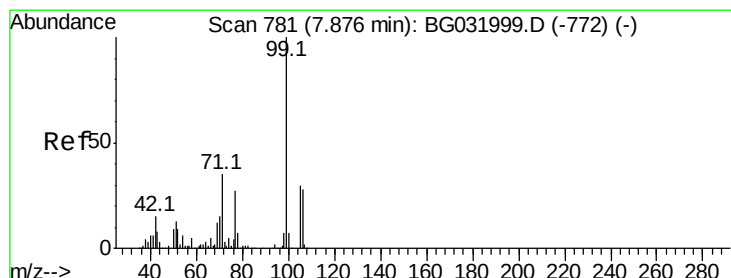
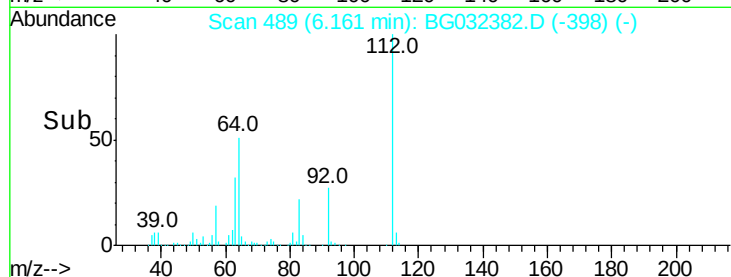
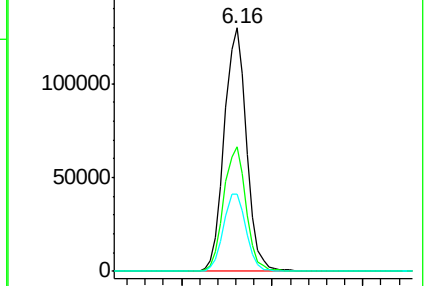
63 31.7 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 104.435 ng

RT: 7.84 min Scan# 774

Delta R.T. -0.00 min

Lab File: BG032382.D

Acq: 28 Jan 2018 8:07

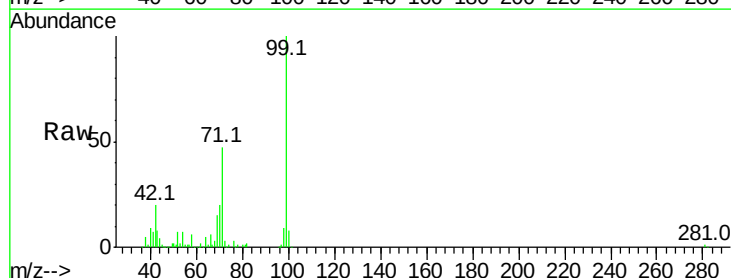
Tgt Ion: 99 Resp: 233842

Ion Ratio Lower Upper

99 100

42 19.5 14.1 21.1

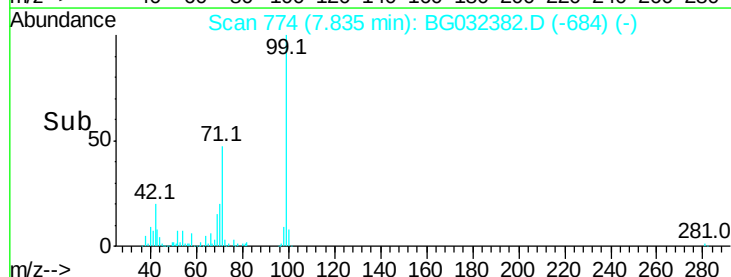
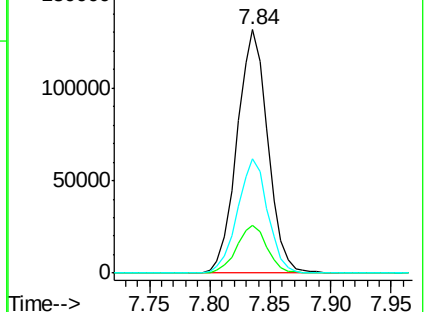
71 47.2 26.1 39.1#

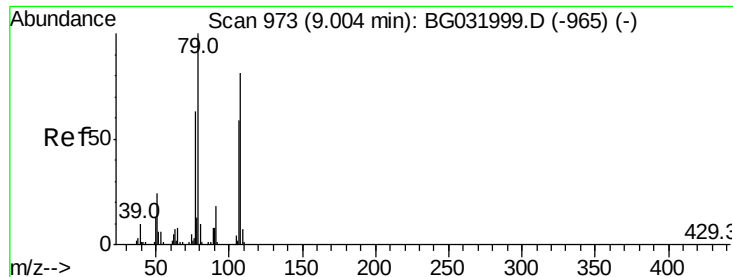


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.245 ng

RT: 9.06 min Scan# 982

Delta R.T. 0.09 min

Lab File: BG032382.D

Acq: 28 Jan 2018 8:07

Instrument :

BNA_G

ClientSampleId :

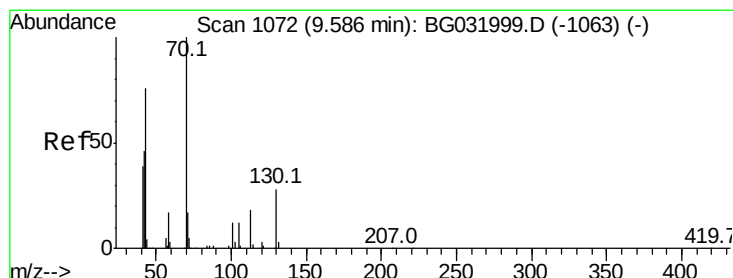
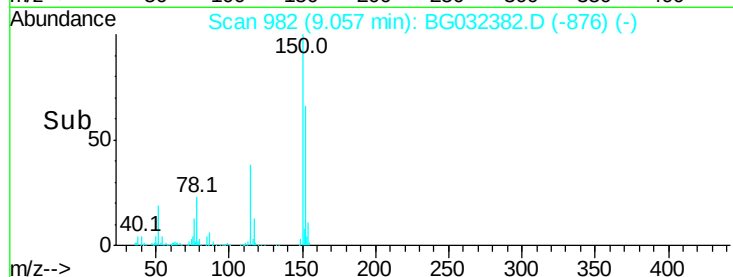
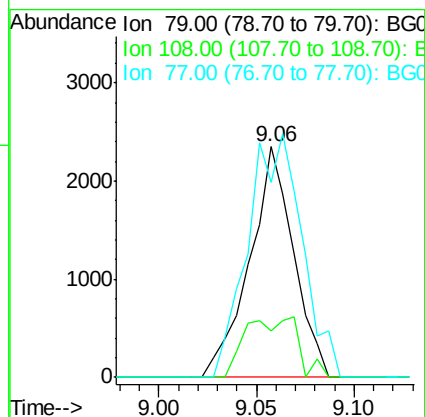
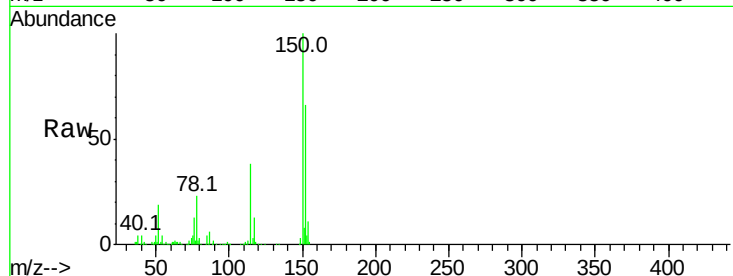
Tot Ion: 79 Resp: 3652

Ion Ratio Lower Upper

79 100

108 20.1 57.2 85.8#

77 84.6 46.1 69.1#



#19

n-Nitroso-di-n-propylamine

Concen: 19.787 ng

RT: 9.92 min Scan# 1129

Delta R.T. 0.38 min

Lab File: BG032382.D

Acq: 28 Jan 2018 8:07

Tgt Ion: 70 Resp: 27489

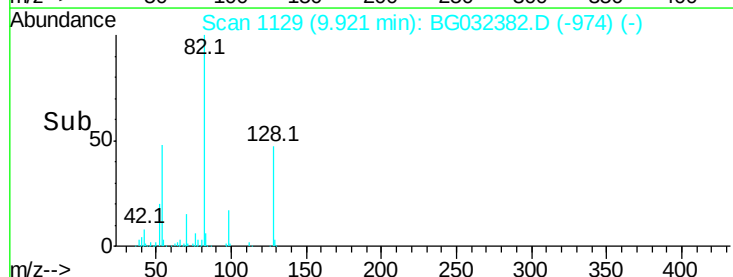
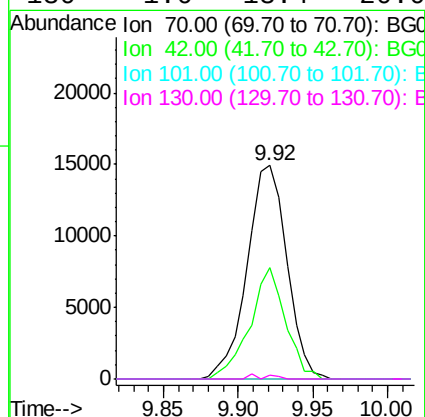
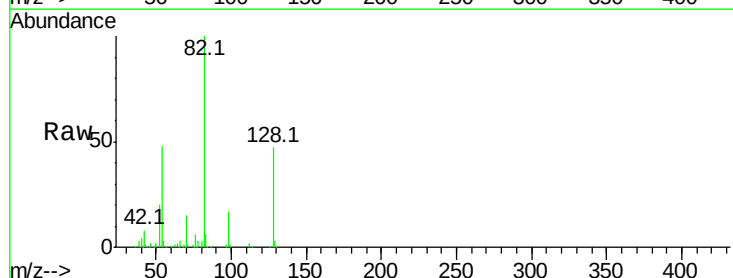
Ion Ratio Lower Upper

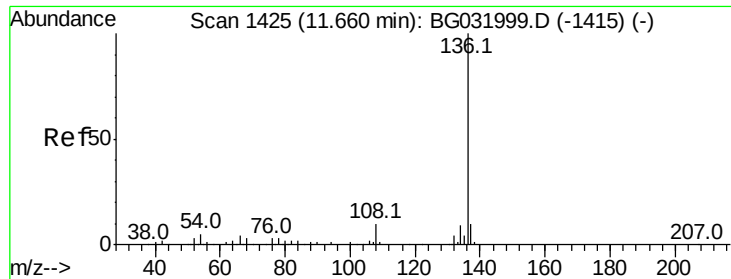
70 100

42 52.1 49.1 73.7

101 0.0 8.5 12.7#

130 1.6 13.4 20.0#

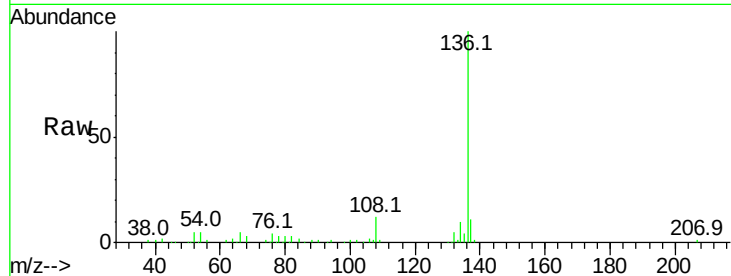




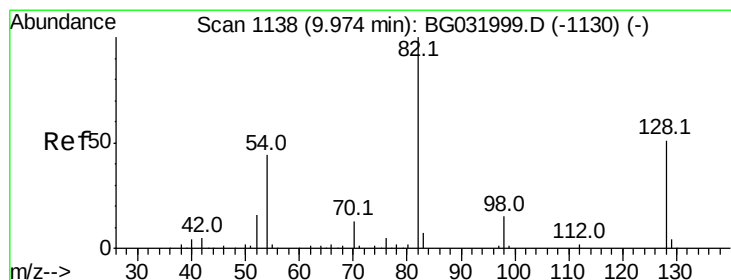
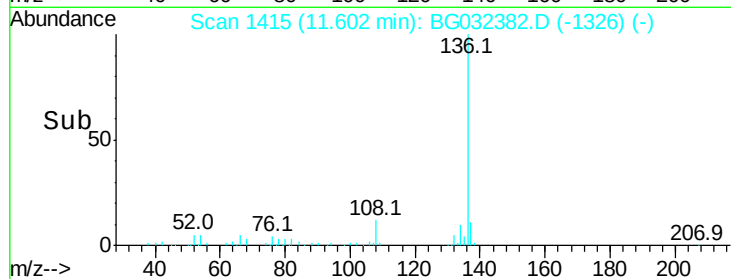
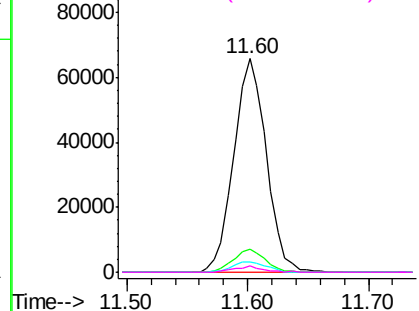
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BG032382.D
Acq: 28 Jan 2018 8:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	123042
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	4.7	10.3	15.5#
68	3.1	4.5	6.7#

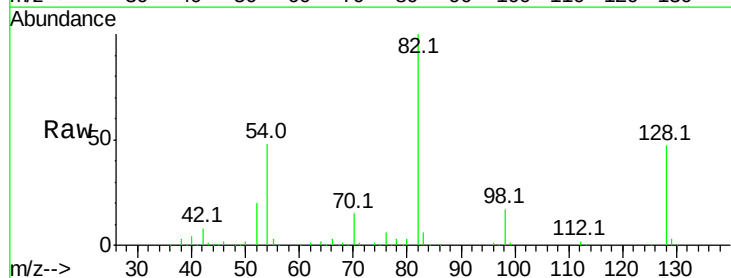


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

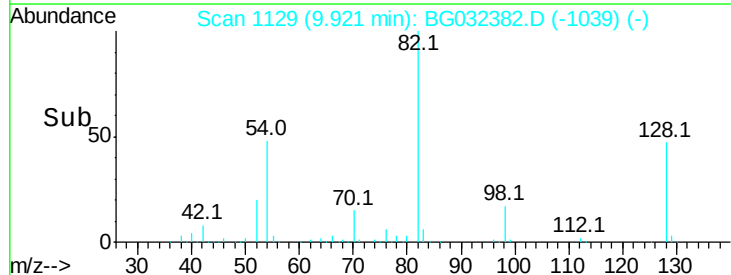
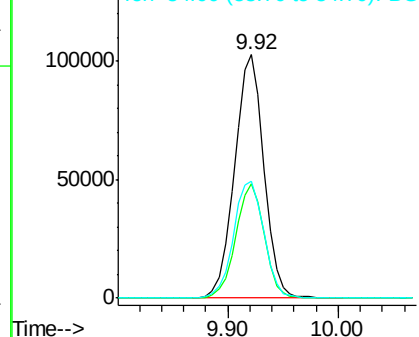


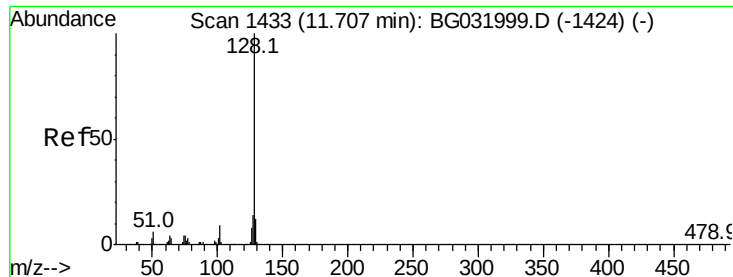
#23
Nitrobenzene-d5
Concen: 104.958 ng
RT: 9.92 min Scan# 1129
Delta R.T. -0.00 min
Lab File: BG032382.D
Acq: 28 Jan 2018 8:07

Tgt Ion:	82	Resp:	190886
Ion	Ratio	Lower	Upper
82	100		
128	46.9	29.7	44.5#
54	48.0	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

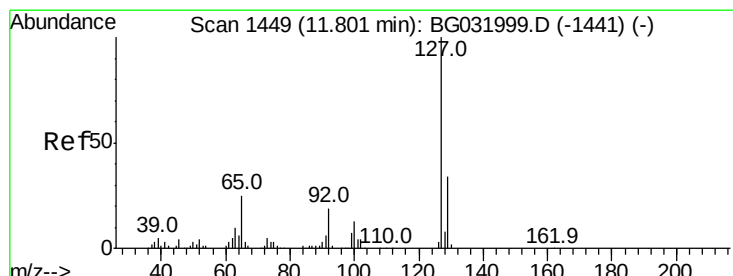
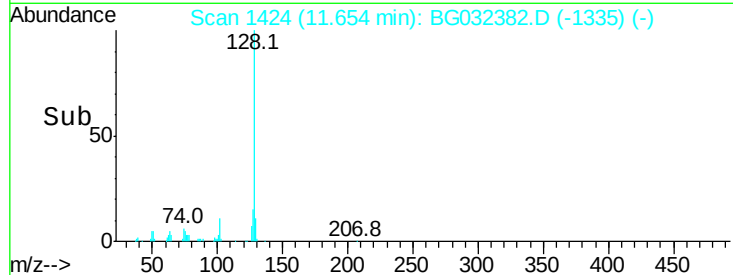
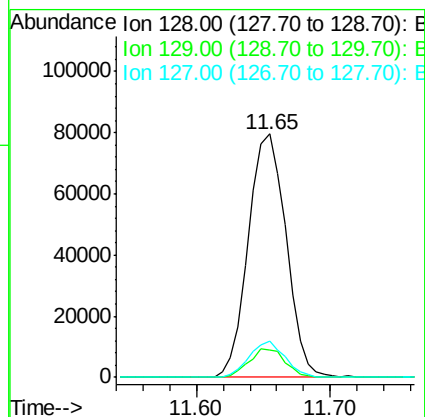
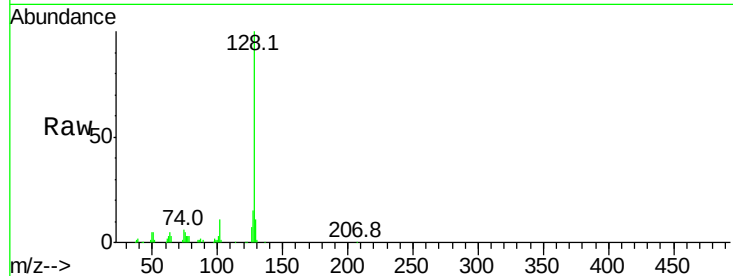




#31
Naphthalene
Concen: 25.568 ng
RT: 11.65 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BG032382.D
Acq: 28 Jan 2018 8:07

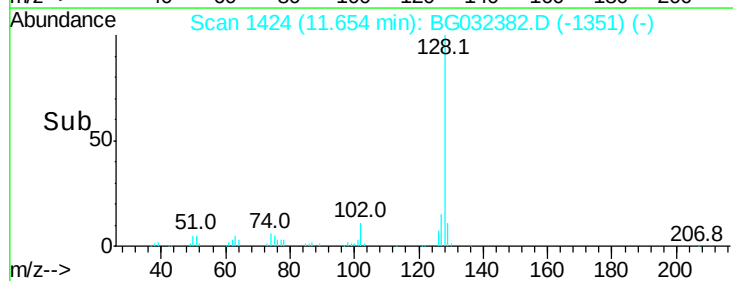
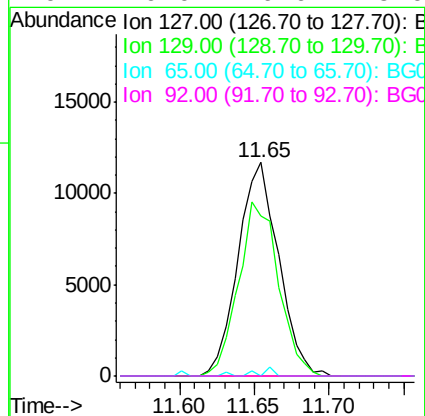
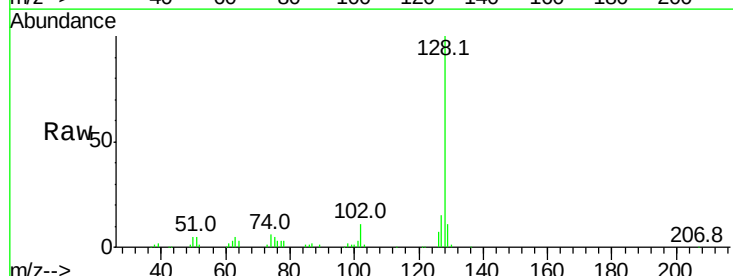
Instrument :
BNA_G
ClientSampleId :

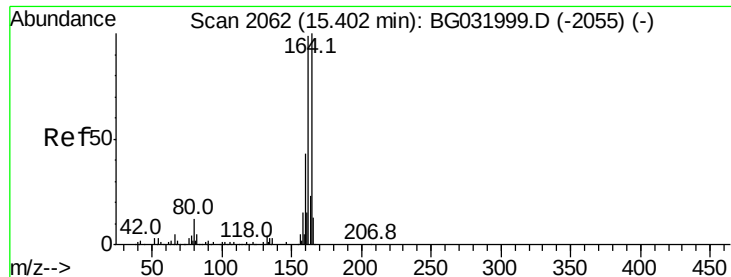
Tot Ion:128 Resp: 155845
Ion Ratio Lower Upper
128 100
129 11.0 8.6 12.8
127 14.7 11.6 17.4



#33
4-Chloroaniline
Concen: 8.432 ng
RT: 11.65 min Scan# 1424
Delta R.T. -0.10 min
Lab File: BG032382.D
Acq: 28 Jan 2018 8:07

Tgt Ion:127 Resp: 22040
Ion Ratio Lower Upper
127 100
129 74.7 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: 15.36 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BG032382.D

Acq: 28 Jan 2018 8:07

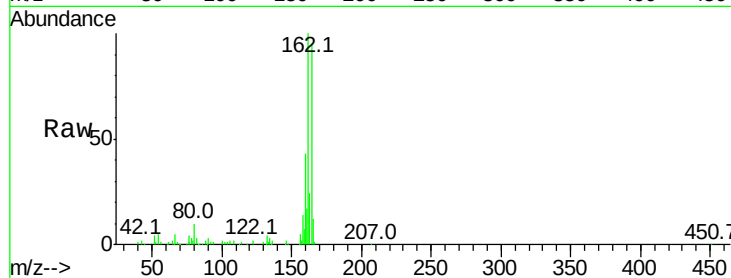
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 78497

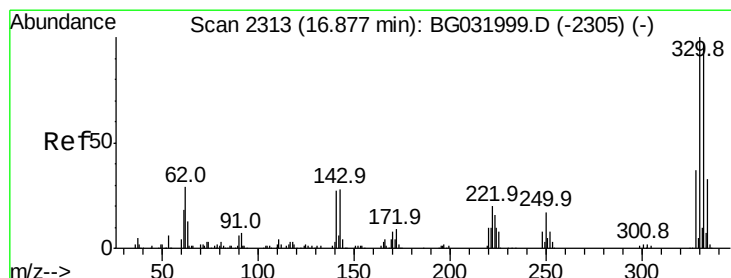
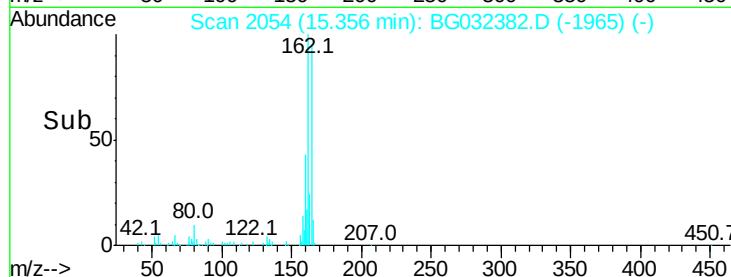
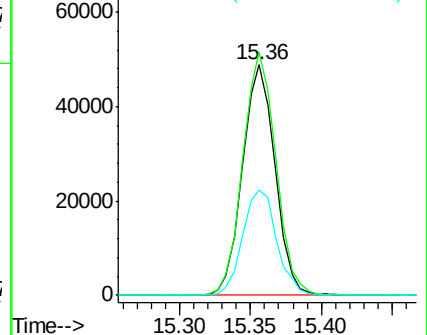
Ion	Ratio	Lower	Upper
164	100		
162	105.6	78.8	118.2
160	45.6	35.4	53.0



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



#41

2,4,6-Tribromophenol

Concen: 168.736 ng

RT: 16.83 min Scan# 2305

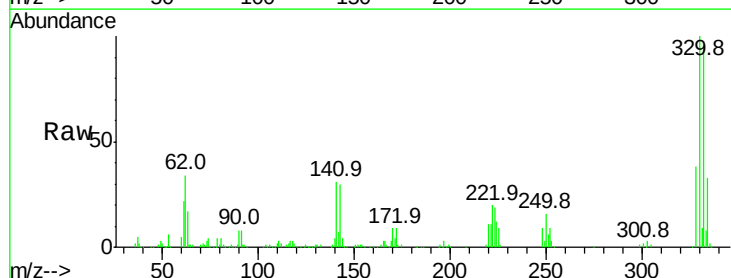
Delta R.T. -0.01 min

Lab File: BG032382.D

Acq: 28 Jan 2018 8:07

Tgt Ion:330 Resp: 219178

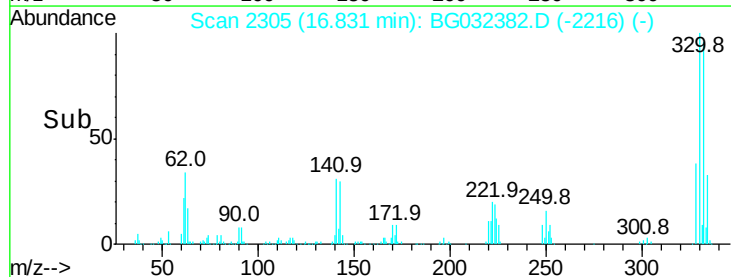
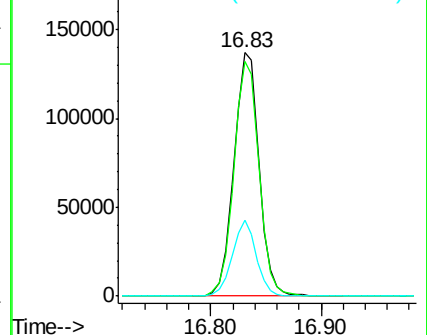
Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	29.6	25.2	37.8

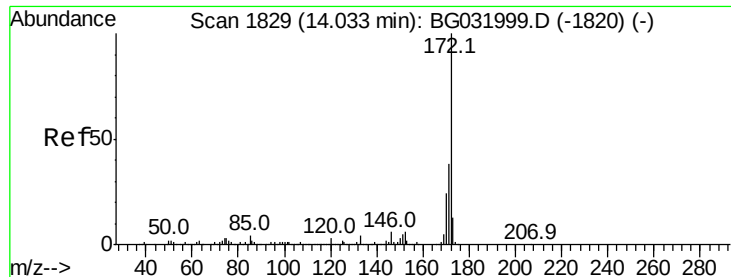


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 100.366 ng

RT: 13.98 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BG032382.D

Acq: 28 Jan 2018 8:07

Instrument :

BNA_G

ClientSampleId :

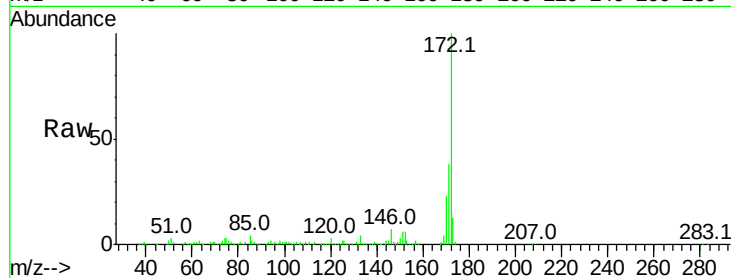
Tot Ion:172 Resp: 635385

Ion Ratio Lower Upper

172 100

171 38.1 30.0 45.0

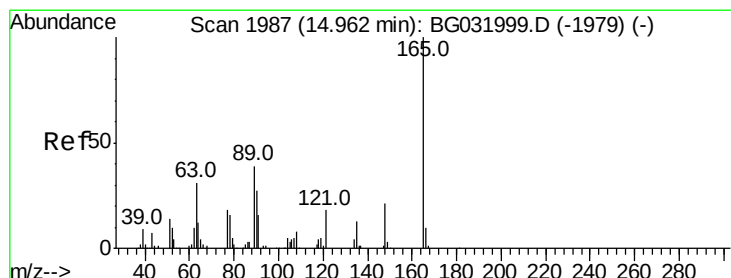
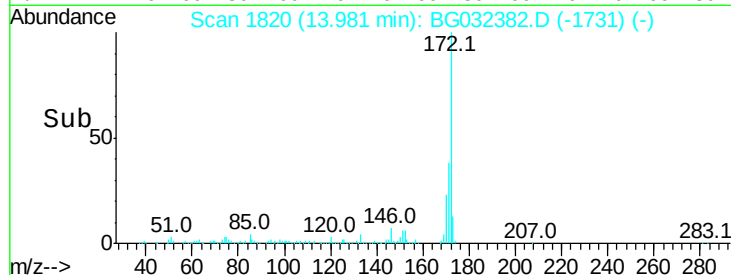
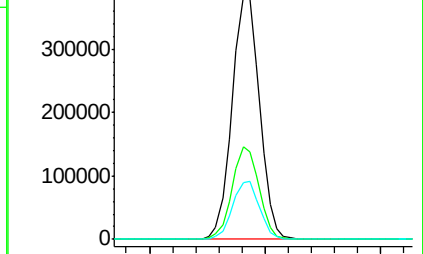
170 23.3 19.5 29.3



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: 7.319 ng

RT: 15.35 min Scan# 2053

Delta R.T. 0.43 min

Lab File: BG032382.D

Acq: 28 Jan 2018 8:07

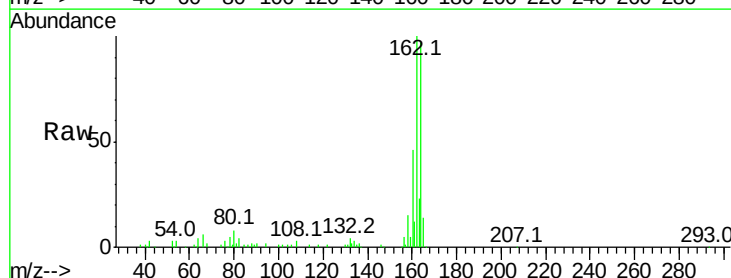
Tgt Ion:165 Resp: 10435

Ion Ratio Lower Upper

165 100

63 2.6 52.7 79.1#

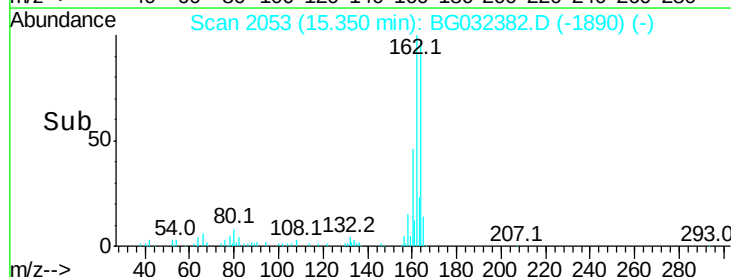
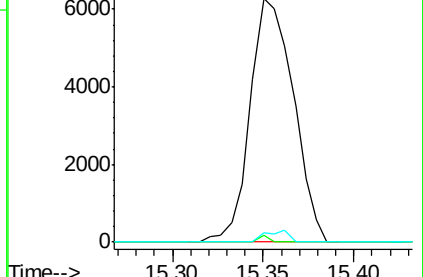
89 3.6 49.2 73.8#

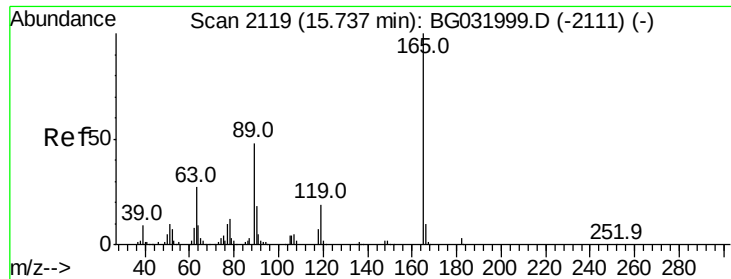


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

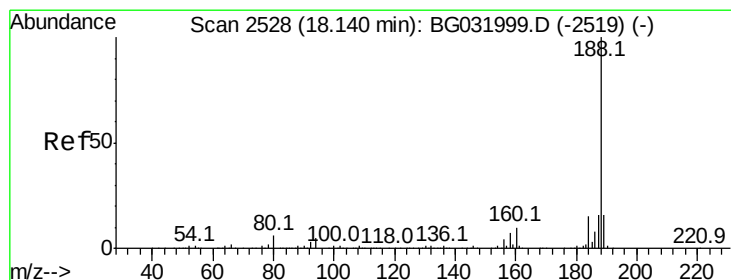
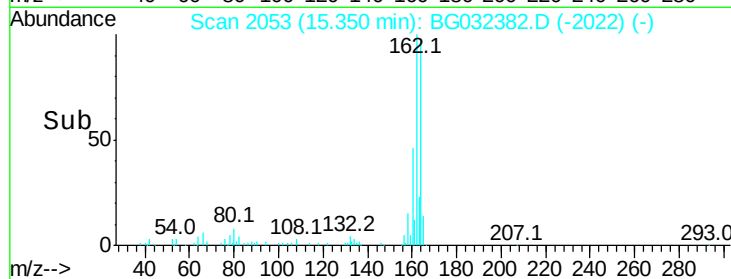
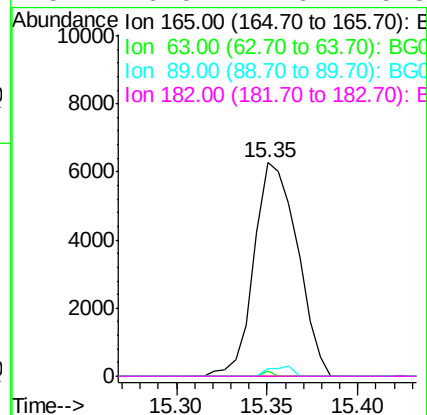
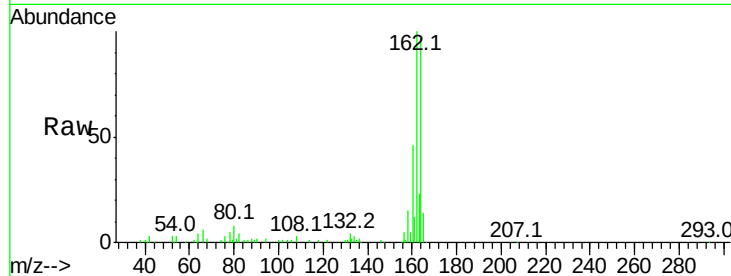




#56
 2,4-Dinitrotoluene
 Concen: 5.436 ng
 RT: 15.35 min Scan# 2053
 Delta R.T. -0.35 min
 Lab File: BG032382.D
 Acq: 28 Jan 2018 8:07

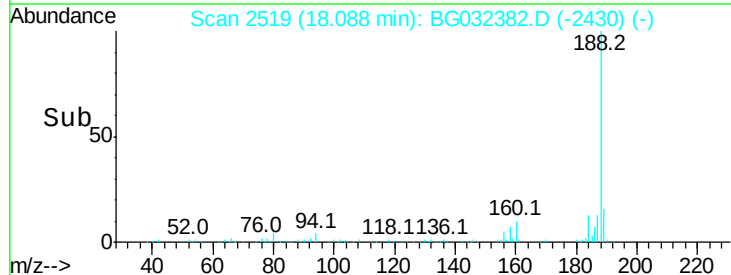
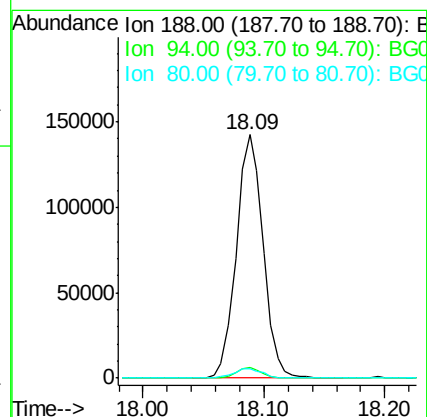
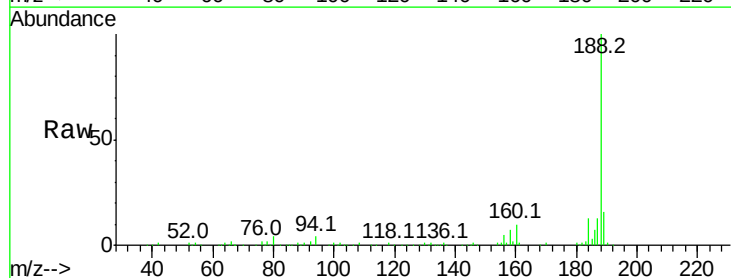
Instrument :
 BNA_G
 ClientSampleId :

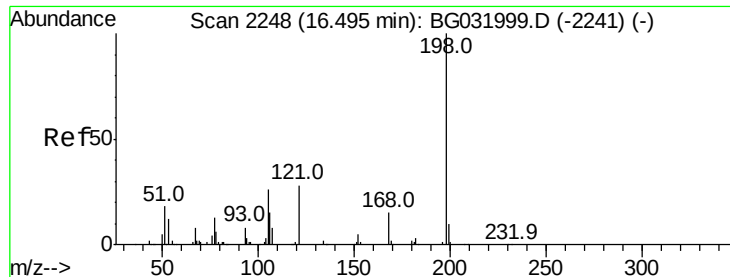
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.6	42.0	63.0#
89	3.6	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.09 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BG032382.D
 Acq: 28 Jan 2018 8:07

Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.2	6.9	10.3#
80	4.0	7.7	11.5#





#64

4,6-Dinitro-2-methylphenol

Concen: 5.363 ng

RT: 16.83 min Scan# 2305

Delta R.T. 0.38 min

Lab File: BG032382.D

Acq: 28 Jan 2018 8:07

Instrument :

BNA_G

ClientSampleId :

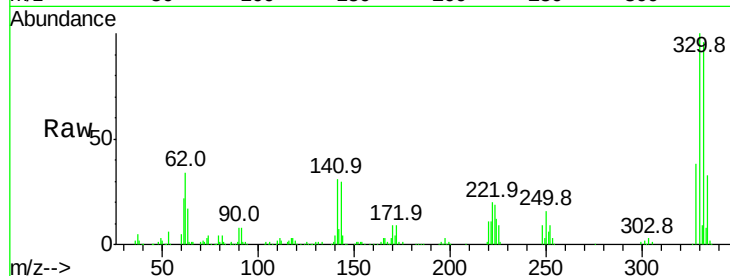
Tot Ion:198 Resp: 747

Ion Ratio Lower Upper

198 100

51 34.2 30.6 70.6

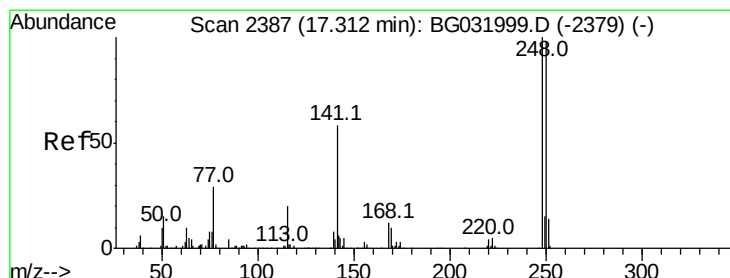
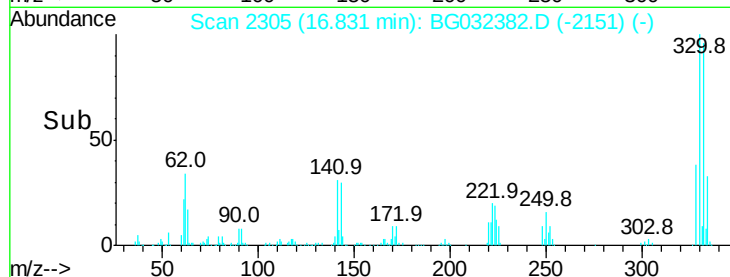
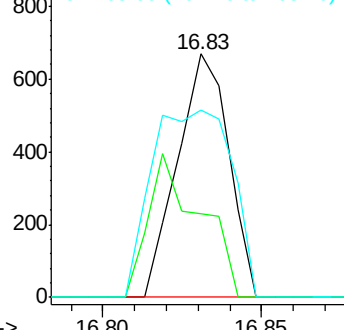
105 77.0 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 5.707 ng

RT: 16.83 min Scan# 2305

Delta R.T. -0.44 min

Lab File: BG032382.D

Acq: 28 Jan 2018 8:07

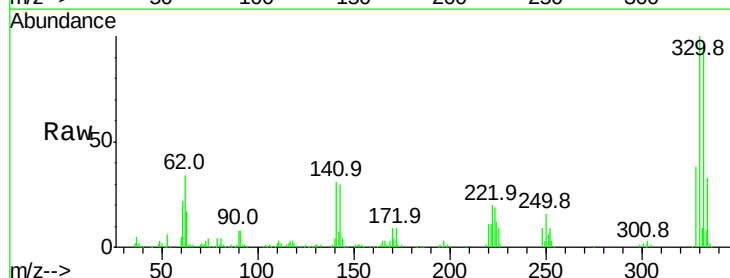
Tgt Ion:248 Resp: 17796

Ion Ratio Lower Upper

248 100

250 191.7 77.1 115.7#

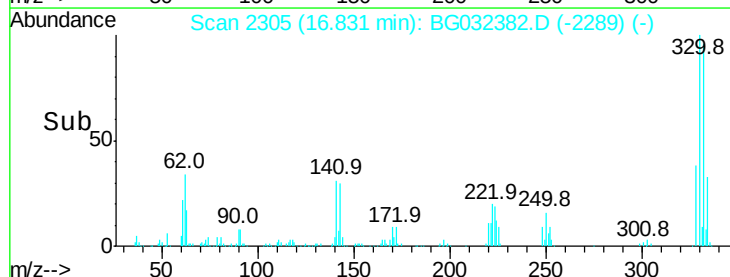
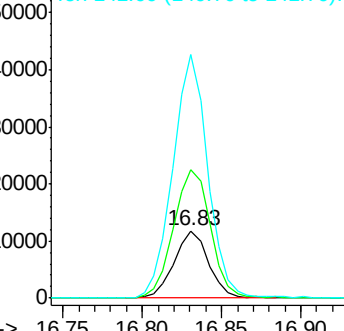
141 362.2 50.8 76.2#

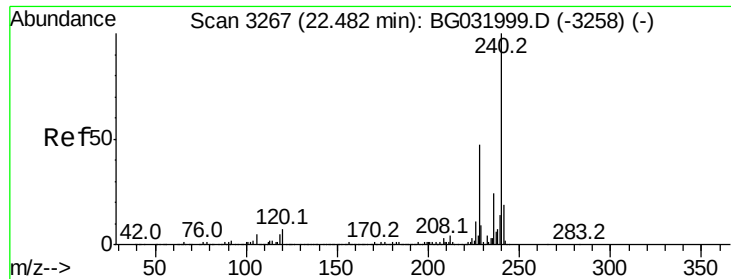


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.42 min Scan# 3256

Delta R.T. -0.01 min

Lab File: BG032382.D

Acq: 28 Jan 2018 8:07

Instrument :

BNA_G

ClientSampleId :

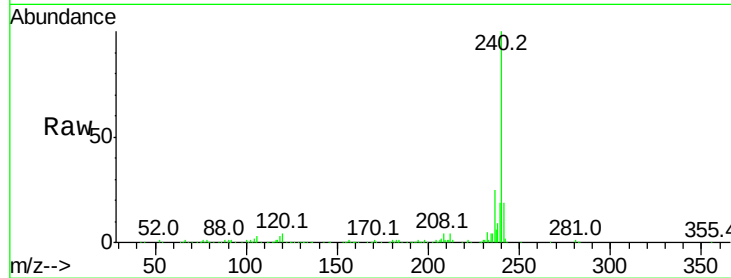
Tot Ion:240 Resp: 285540

Ion Ratio Lower Upper

240 100

120 3.8 6.8 10.2#

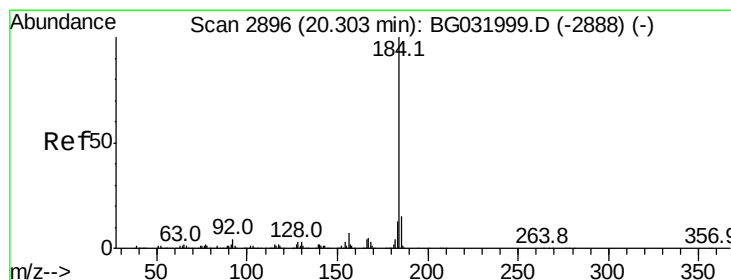
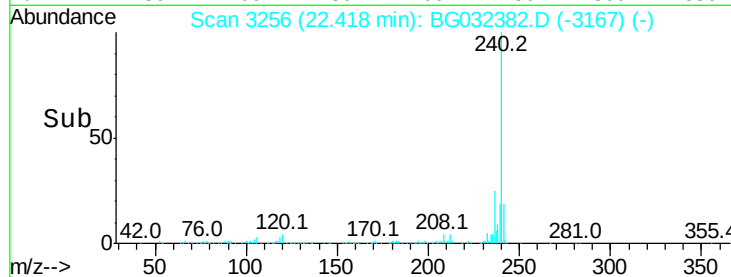
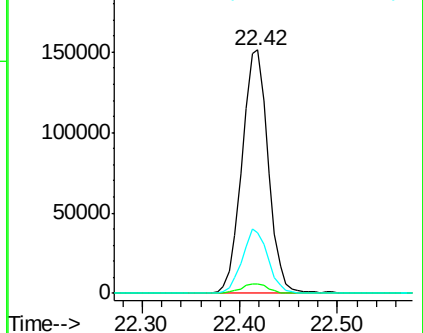
236 24.8 20.9 31.3



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: 2.896 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.36 min

Lab File: BG032382.D

Acq: 28 Jan 2018 8:07

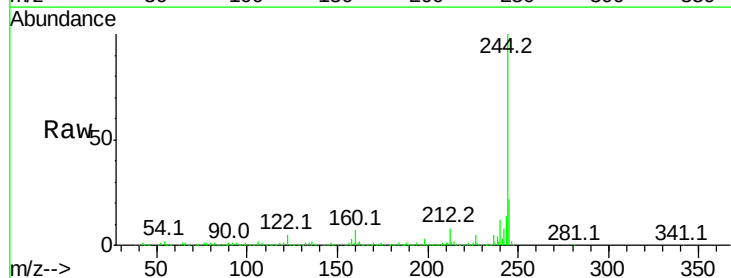
Tgt Ion:184 Resp: 20681

Ion Ratio Lower Upper

184 100

185 19.5 11.1 16.7#

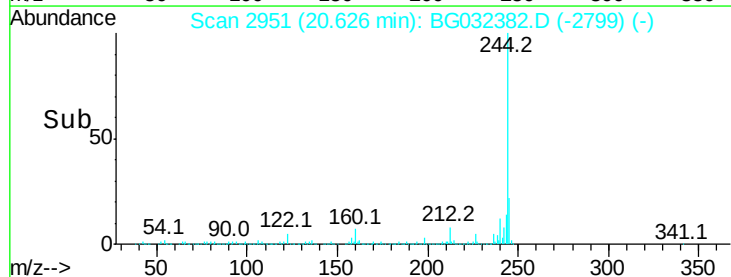
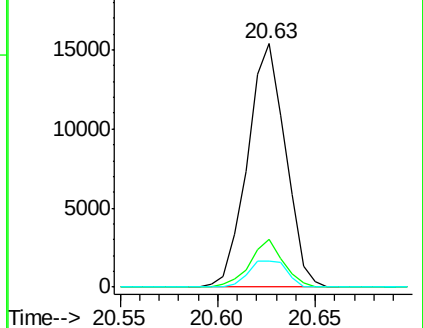
183 10.9 10.6 16.0

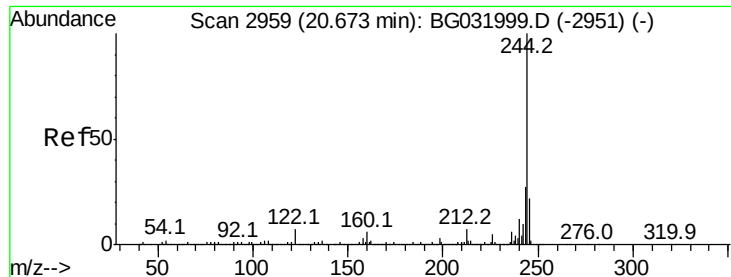


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 109.709 ng

RT: 20.63 min Scan# 2951

Delta R.T. -0.01 min

Lab File: BG032382.D

Acq: 28 Jan 2018 8:07

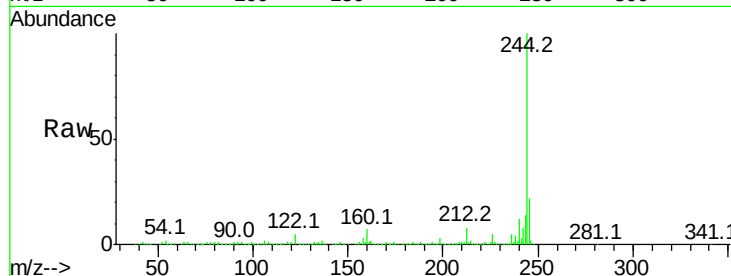
Instrument :

BNA_G

ClientSampled :

Tot Ion:244 Resp: 1418734

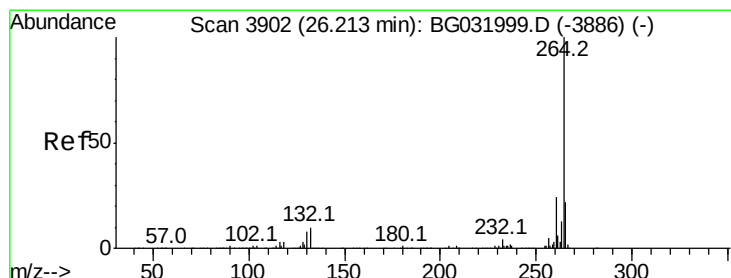
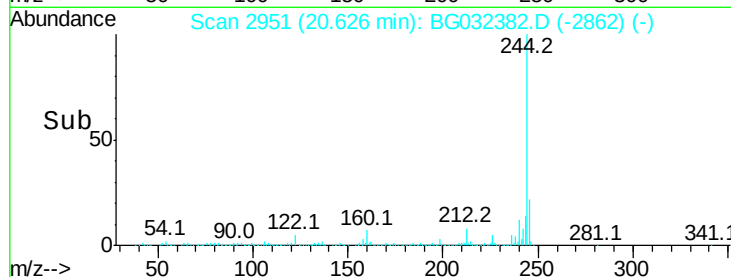
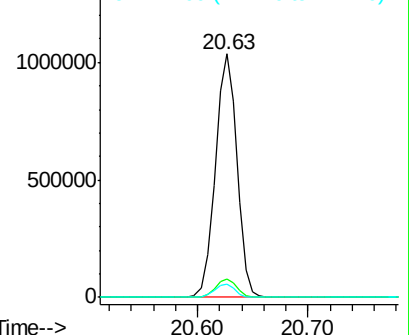
Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.8	8.8
122	5.5	7.0	10.4



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: 26.10 min Scan# 3882

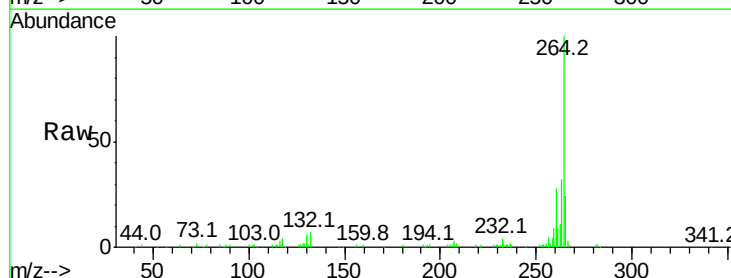
Delta R.T. -0.01 min

Lab File: BG032382.D

Acq: 28 Jan 2018 8:07

Tgt Ion:264 Resp: 142062

Ion	Ratio	Lower	Upper
264	100		
260	27.9	17.4	26.0
265	24.5	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

