

Data Path : U:\HPCHEM1\BNA G\DATA\BG012418\
 Data File : BG032288.D
 Acq On : 25 Jan 2018 8:54
 Operator : SJ/JU
 Sample : J1255-02
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 25 09:50:07 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	40031	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	154325	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	104482	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	294723	20.00	ng	0.00
75) Chrysene-d12	22.42	240	390899	20.00	ng	0.00
86) Perylene-d12	26.10	264	413483	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	304225	138.99	ng	0.00
7) Phenol-d6	7.84	99	360017	130.60	ng	0.00
23) Nitrobenzene-d5	9.92	82	247782	108.62	ng	0.00
41) 2,4,6-Tribromophenol	16.84	330	291914	168.84	ng	0.00
44) 2-Fluorobiphenyl	13.99	172	829827	98.48	ng	0.00
78) Terphenyl-d14	20.63	244	1656916	93.59	ng	0.00

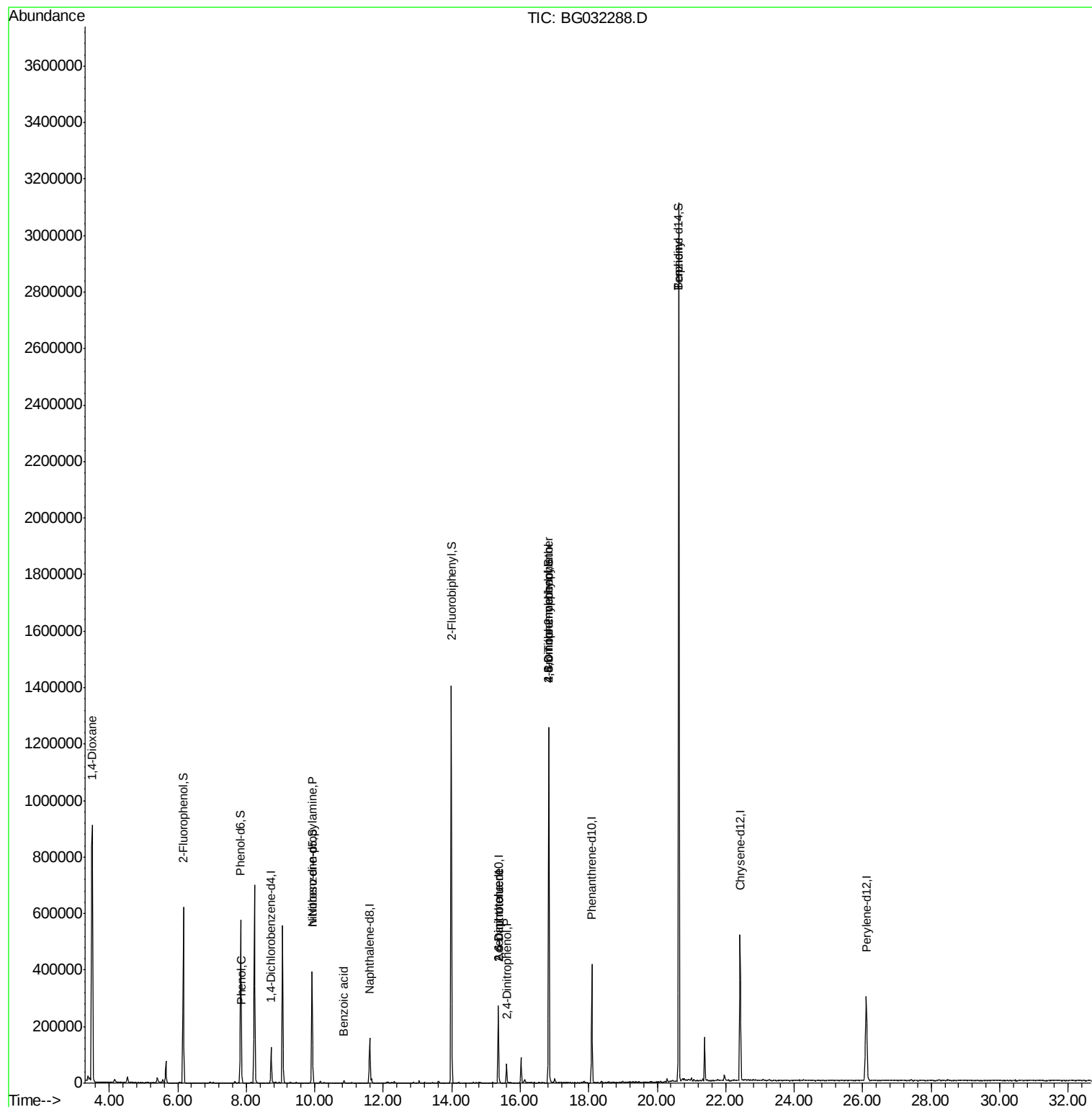
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.51	88	13610	16.185	ng	# 1
10) Phenol	7.86	94	5518	2.032	ng	# 57
19) n-Nitroso-di-n-propylamine	9.92	70	35353	20.670	ng	# 77
32) Benzoic acid	10.86	122	327	5.426	ng	# 56
50) 2,6-Dinitrotoluene	15.36	165	13651	7.193	ng	# 20
53) 2,4-Dinitrophenol	15.60	184	54	7.015	ng	# 1
56) 2,4-Dinitrotoluene	15.36	165	13651	5.343	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.84	198	815	5.272	ng	# 49
66) 4-Bromophenyl-phenylether	16.84	248	23971	5.716	ng	# 1
76) Benzidine	20.63	184	24346	2.491	ng	# 87

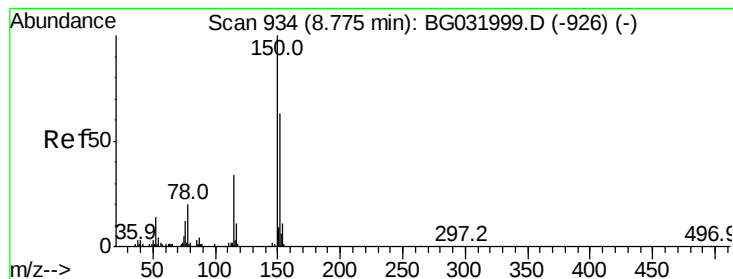
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.72 min Scan# 925

Delta R.T. -0.00 min

Lab File: BG032288.D

Acq: 25 Jan 2018 8:54

Instrument :

BNA_G

ClientSampled :

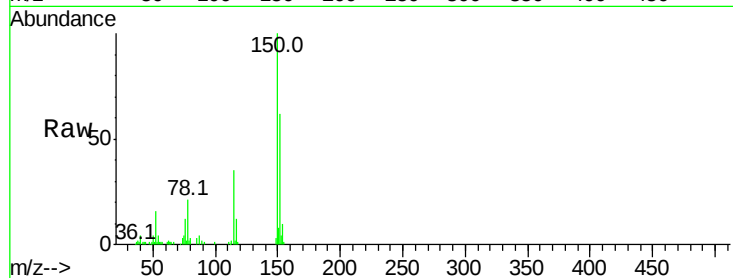
Tot Ion:152 Resp: 40031

Ion Ratio Lower Upper

152 100

150 162.5 126.6 189.8

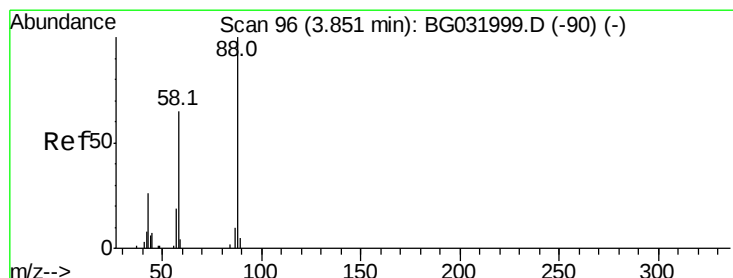
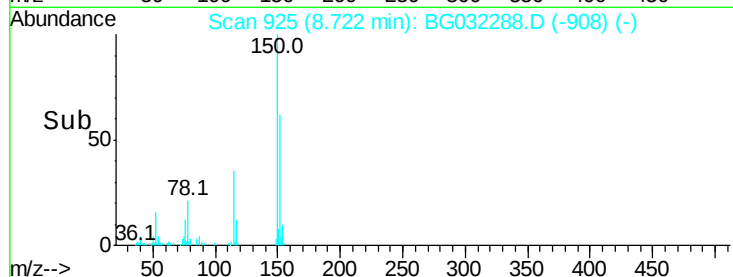
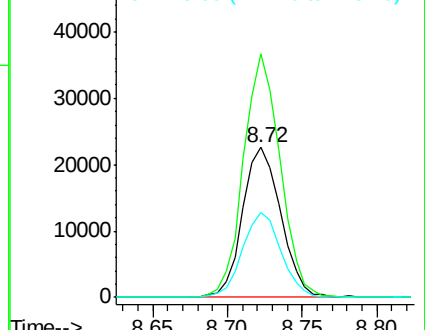
115 56.5 53.0 79.4



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: 16.185 ng

RT: 3.51 min Scan# 37

Delta R.T. -0.32 min

Lab File: BG032288.D

Acq: 25 Jan 2018 8:54

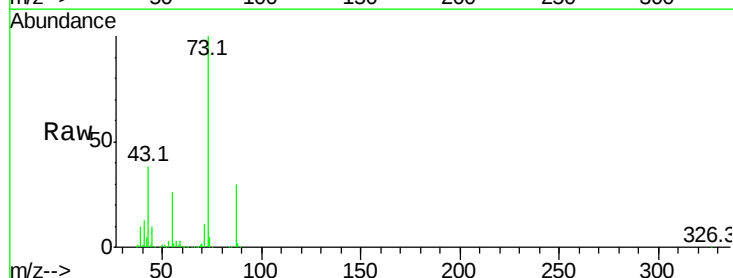
Tgt Ion: 88 Resp: 13610

Ion Ratio Lower Upper

88 100

58 39.4 79.6 119.4#

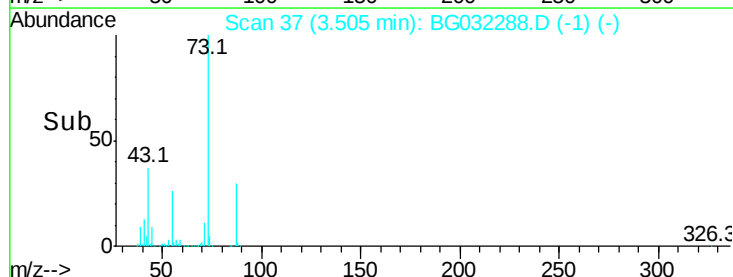
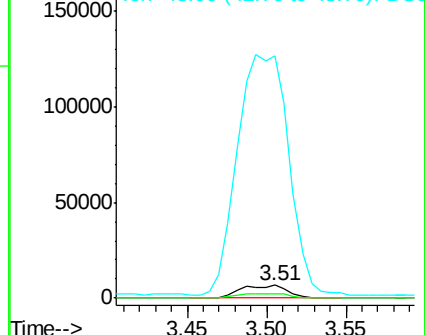
43 2076.2 27.4 41.0#

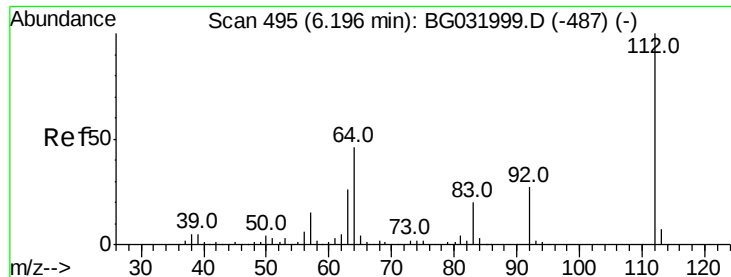


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 138.994 ng

RT: 6.16 min Scan# 489

Delta R.T. 0.01 min

Lab File: BG032288.D

Acq: 25 Jan 2018 8:54

Instrument :

BNA_G

ClientSampleId :

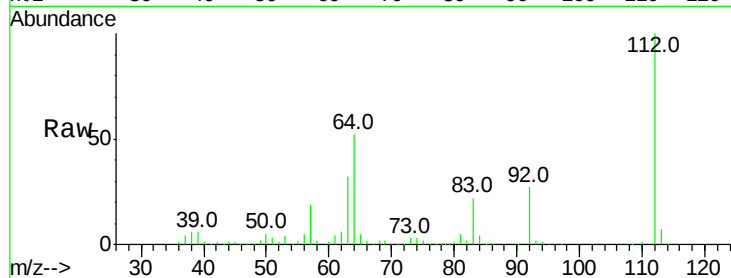
Tot Ion:112 Resp: 304225

Ion Ratio Lower Upper

112 100

64 51.6 56.3 84.5#

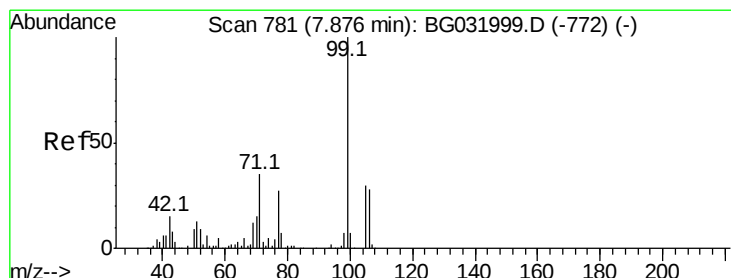
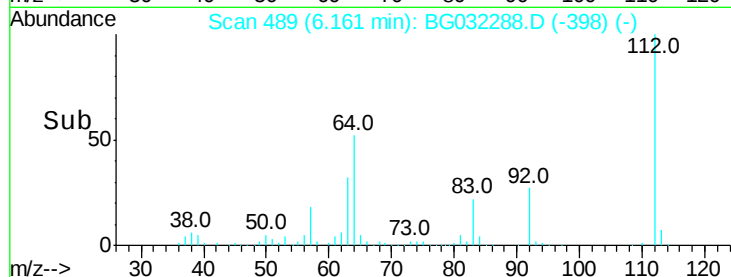
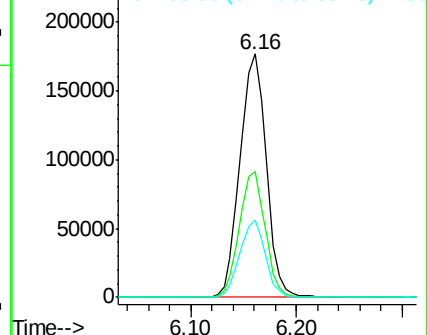
63 31.7 30.1 45.1



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: 130.601 ng

RT: 7.84 min Scan# 774

Delta R.T. -0.00 min

Lab File: BG032288.D

Acq: 25 Jan 2018 8:54

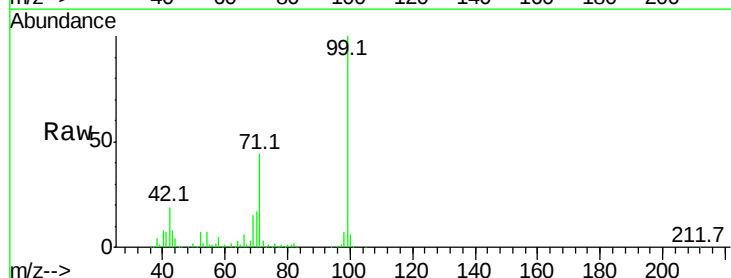
Tgt Ion: 99 Resp: 360017

Ion Ratio Lower Upper

99 100

42 19.0 14.1 21.1

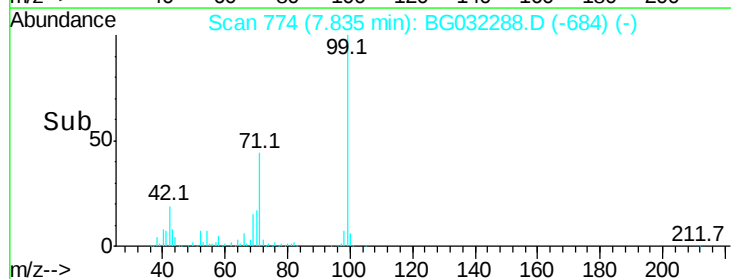
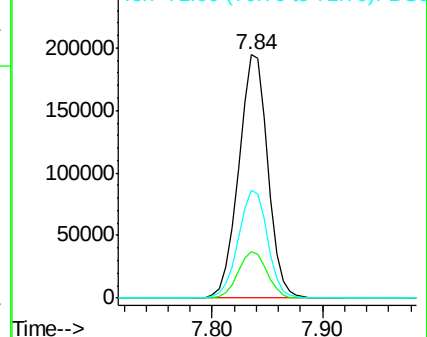
71 44.4 26.1 39.1#

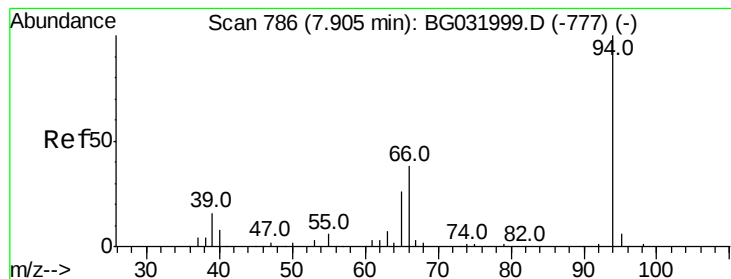


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 2.032 ng

RT: 7.86 min Scan# 779

Delta R.T. -0.00 min

Lab File: BG032288.D

Acq: 25 Jan 2018 8:54

Instrument :

BNA_G

ClientSampleId :

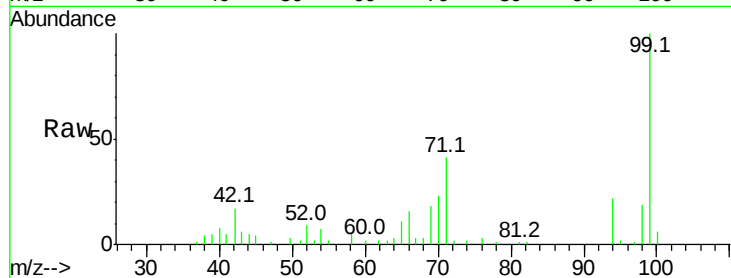
Tot Ion: 94 Resp: 5518

Ion Ratio Lower Upper

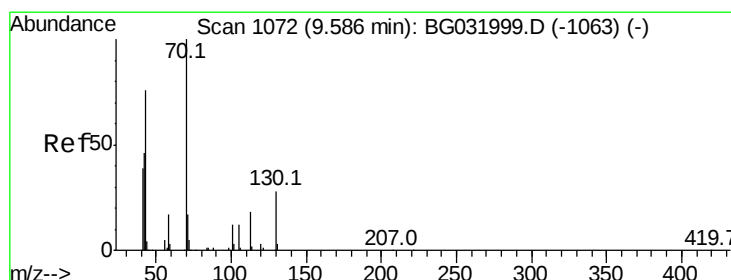
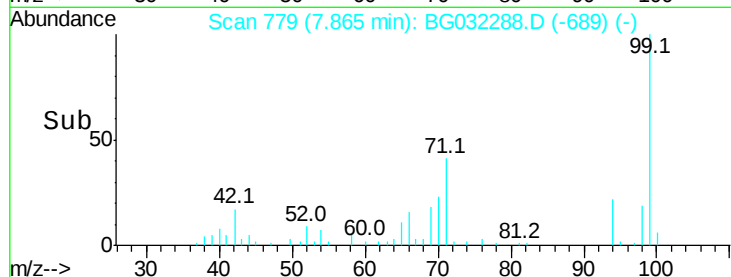
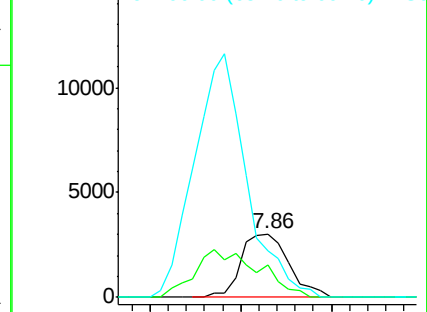
94 100

65 50.6 11.9 51.9

66 74.0 22.2 62.2#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 20.670 ng

RT: 9.92 min Scan# 1128

Delta R.T. 0.38 min

Lab File: BG032288.D

Acq: 25 Jan 2018 8:54

Tgt Ion: 70 Resp: 35353

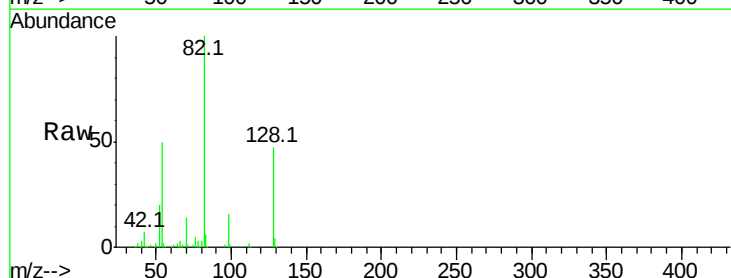
Ion Ratio Lower Upper

70 100

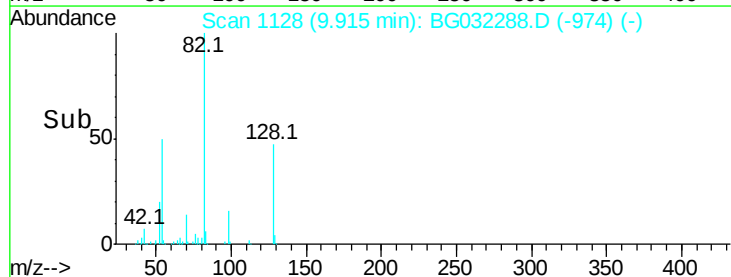
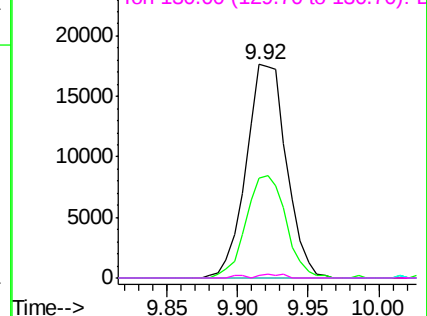
42 47.0 49.1 73.7#

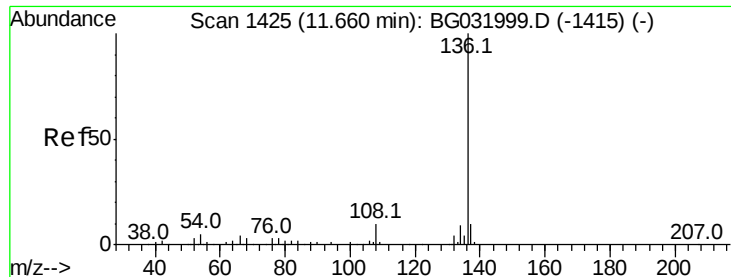
101 0.0 8.5 12.7#

130 1.4 13.4 20.0#



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

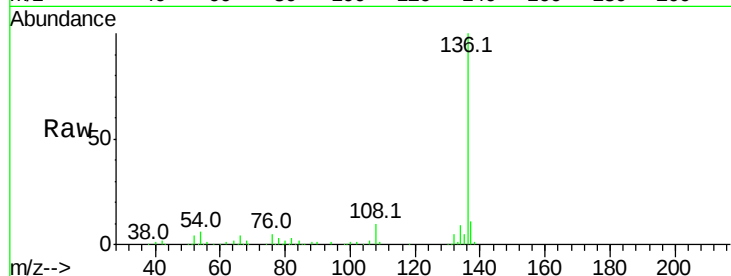




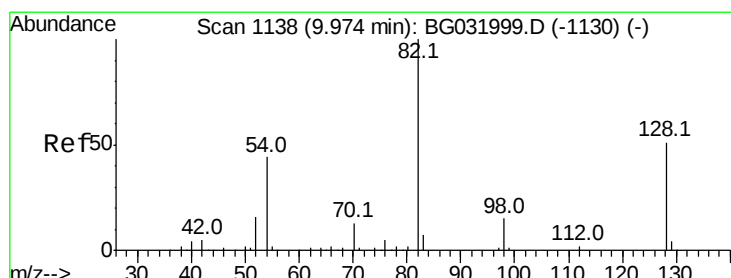
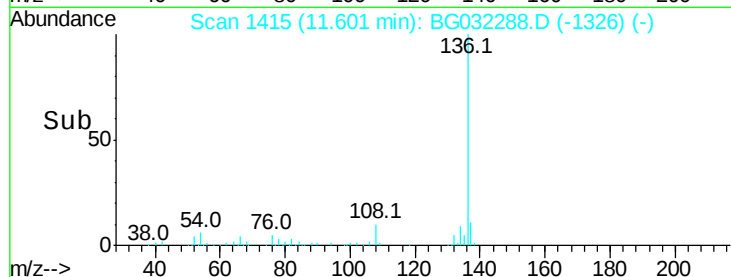
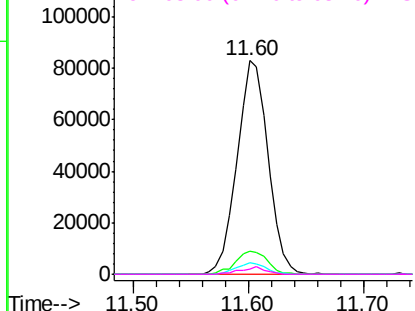
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BG032288.D
Acq: 25 Jan 2018 8:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	154325
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.2 13.8
54	5.7	10.3 15.5#
68	2.5	4.5 6.7#

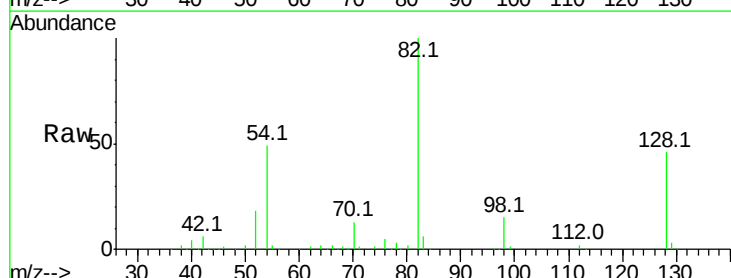


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

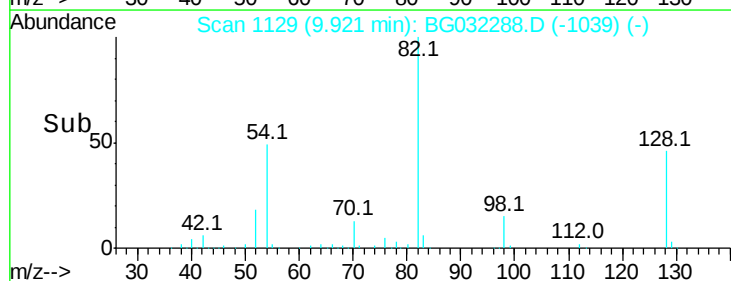
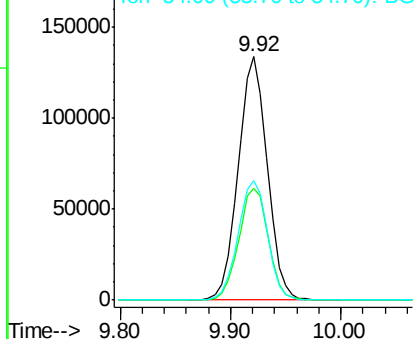


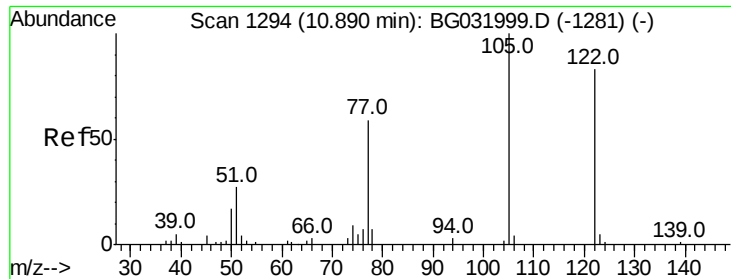
#23
Nitrobenzene-d5
Concen: 108.625 ng
RT: 9.92 min Scan# 1129
Delta R.T. -0.00 min
Lab File: BG032288.D
Acq: 25 Jan 2018 8:54

Tgt Ion: 82	Resp:	247782
Ion Ratio	Lower	Upper
82	100	
128	45.8	29.7 44.5#
54	48.9	43.1 64.7



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





#32

Benzoic acid

Concen: 5.426 ng

RT: 10.86 min Scan# 1288

Delta R.T. -0.00 min

Lab File: BG032288.D

Acq: 25 Jan 2018 8:54

Instrument :

BNA_G

ClientSampled :

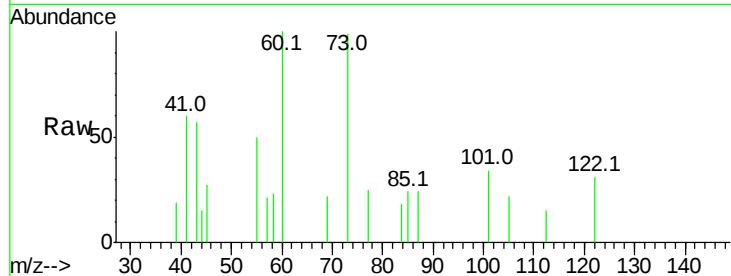
Tot Ion:122 Resp: 327

Ion Ratio Lower Upper

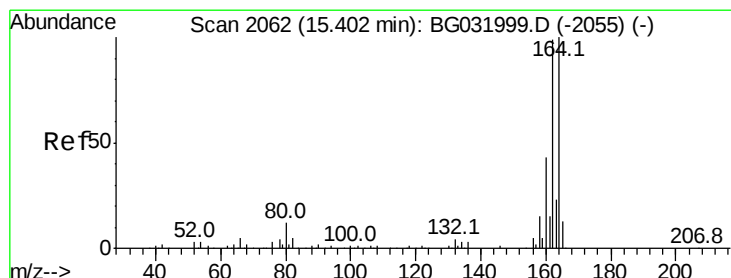
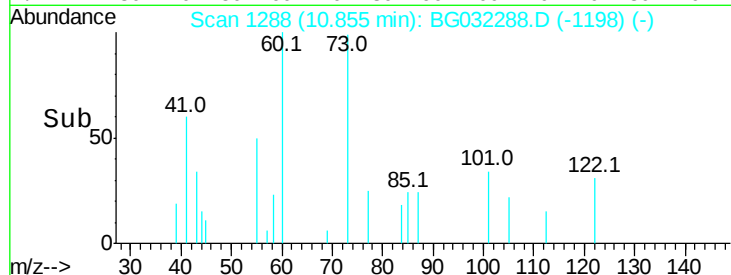
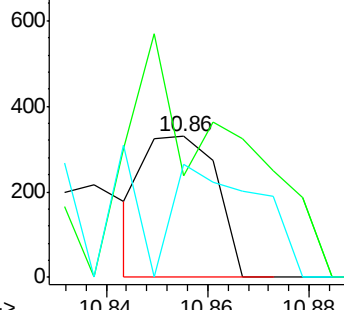
122 100

105 72.1 123.5 163.5#

77 79.7 85.7 125.7#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BG032288.D

Acq: 25 Jan 2018 8:54

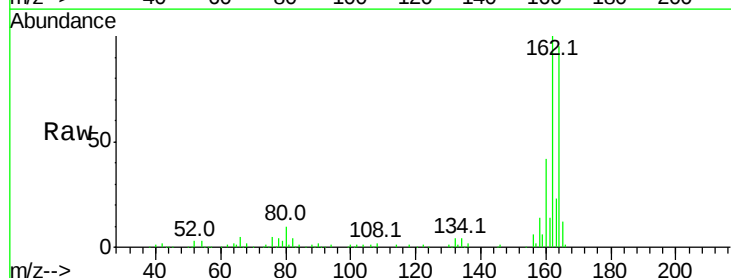
Tgt Ion:164 Resp: 104482

Ion Ratio Lower Upper

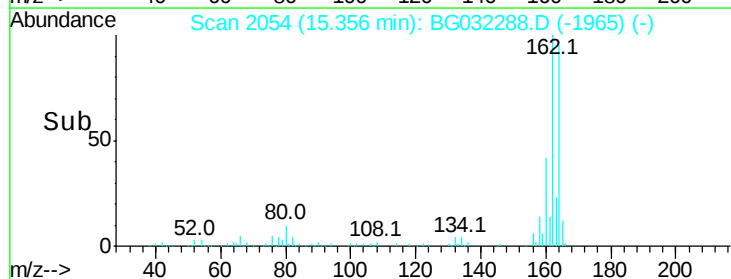
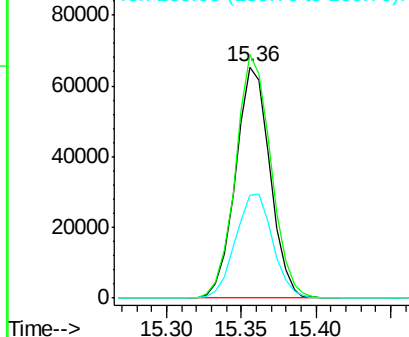
164 100

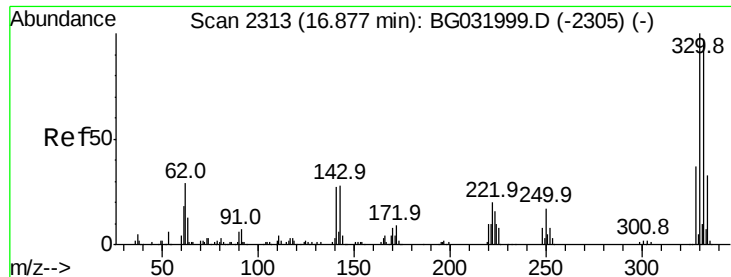
162 105.5 78.8 118.2

160 44.8 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

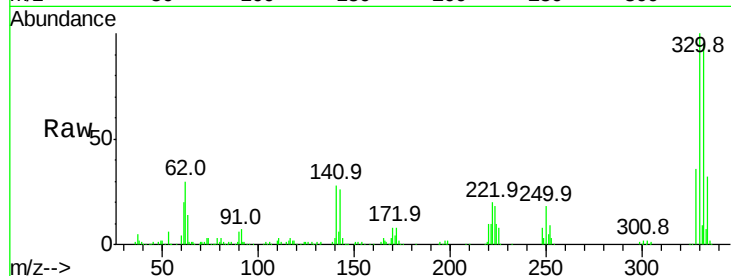




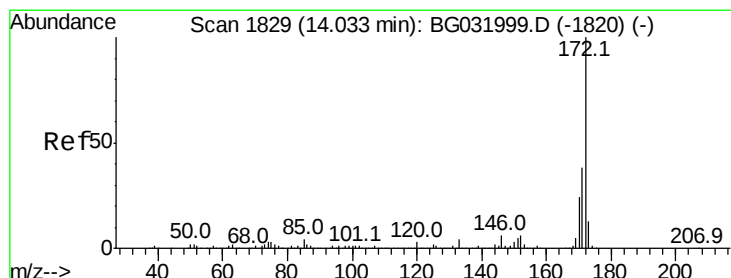
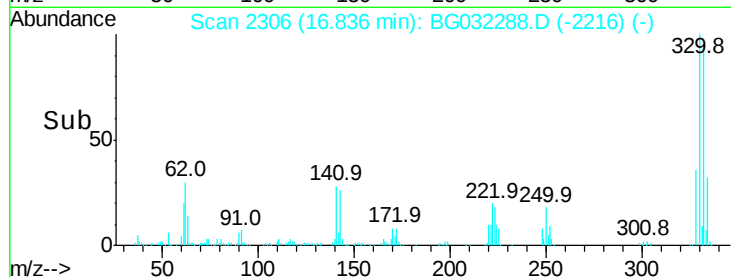
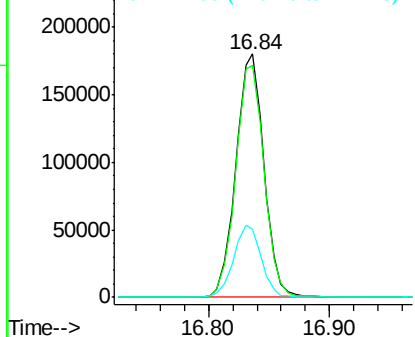
#41
 2,4,6-Tribromophenol
 Concen: 168.841 ng
 RT: 16.84 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: BG032288.D
 Acq: 25 Jan 2018 8:54

Instrument :
 BNA_G
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	29.3	25.2	37.8

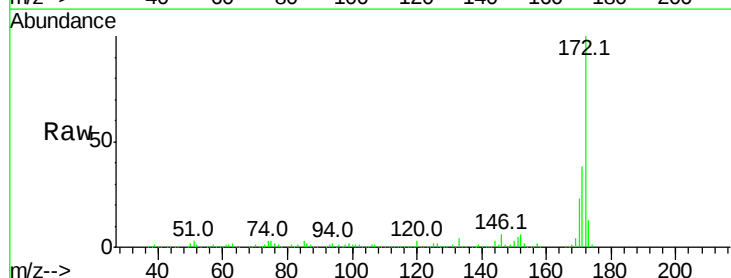


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

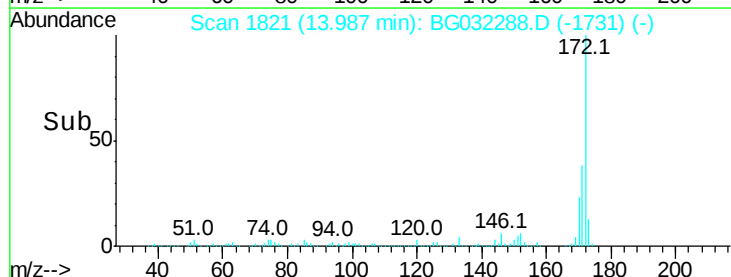
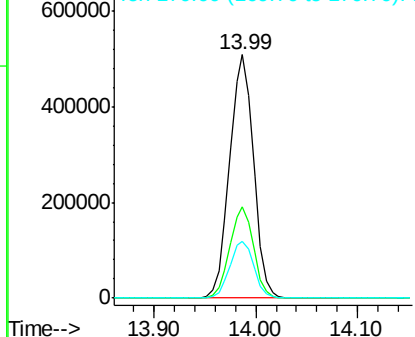


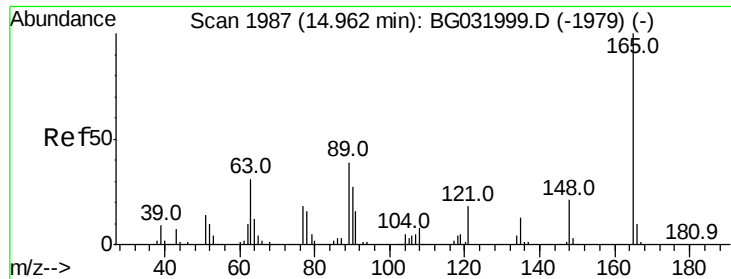
#44
 2-Fluorobiphenyl
 Concen: 98.481 ng
 RT: 13.99 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: BG032288.D
 Acq: 25 Jan 2018 8:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	30.0	45.0
170	23.2	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

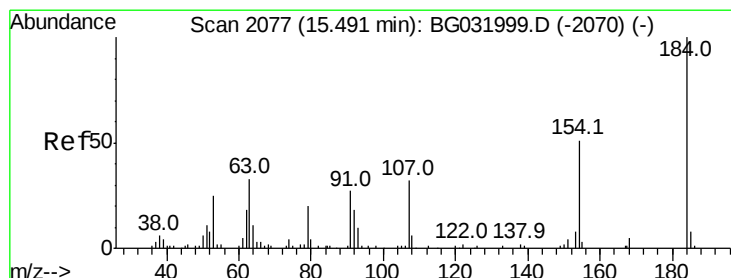
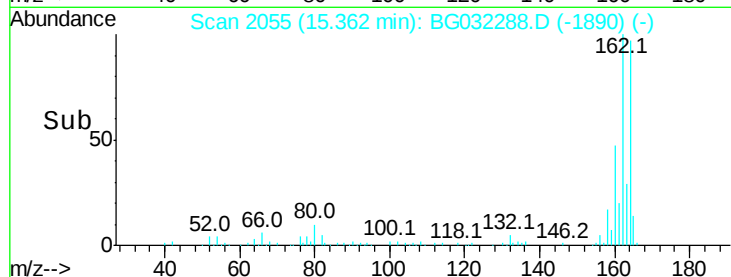
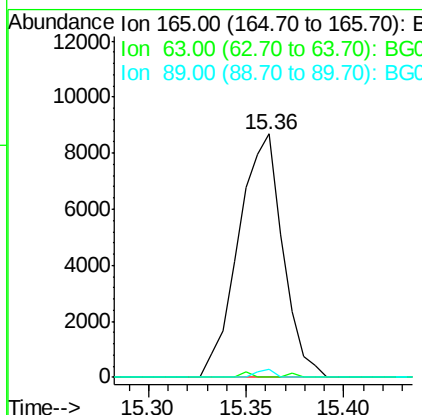
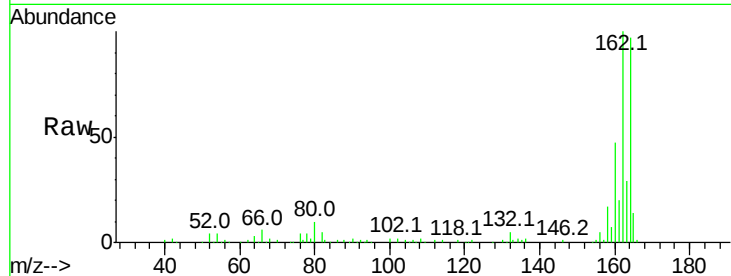




#50
 2,6-Dinitrotoluene
 Concen: 7.193 ng
 RT: 15.36 min Scan# 2055
 Delta R.T. 0.44 min
 Lab File: BG032288.D
 Acq: 25 Jan 2018 8:54

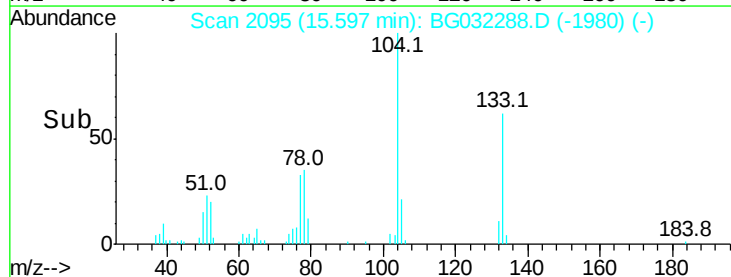
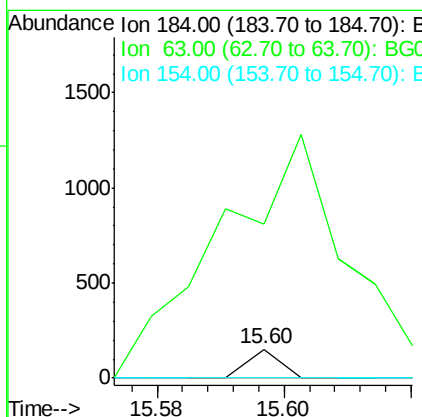
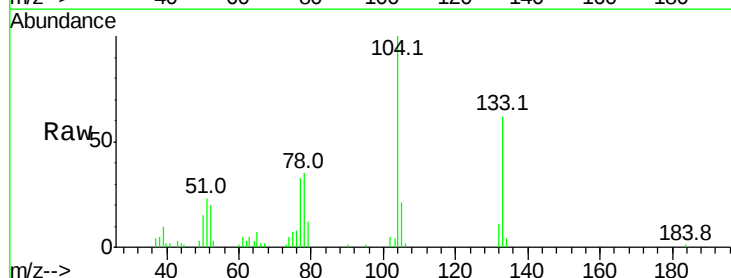
Instrument :
 BNA_G
 ClientSampleId :

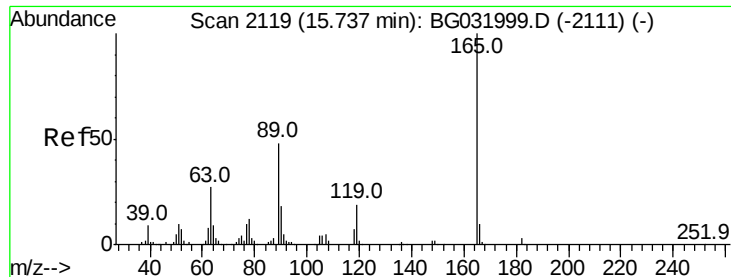
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	3.4	49.2	73.8#



#53
 2,4-Dinitrophenol
 Concen: 7.015 ng
 RT: 15.60 min Scan# 2095
 Delta R.T. 0.15 min
 Lab File: BG032288.D
 Acq: 25 Jan 2018 8:54

Tgt Ion	Ratio	Lower	Upper
184	100		
63	534.9	59.8	89.8#
154	0.0	101.8	152.8#

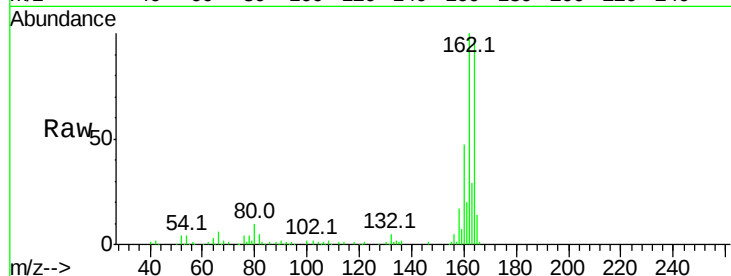




#56
 2,4-Dinitrotoluene
 Concen: 5.343 ng
 RT: 15.36 min Scan# 2055
 Delta R.T. -0.34 min
 Lab File: BG032288.D
 Acq: 25 Jan 2018 8:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	3.4	66.9	100.3#
182	0.0	2.6	3.8#

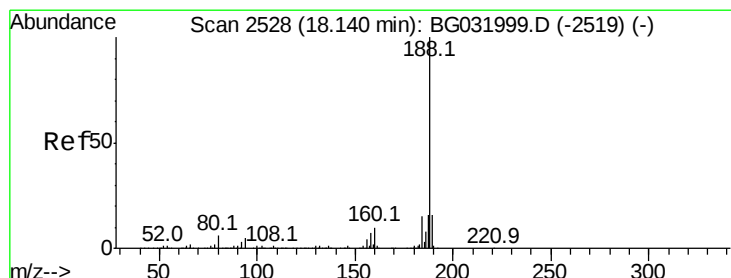
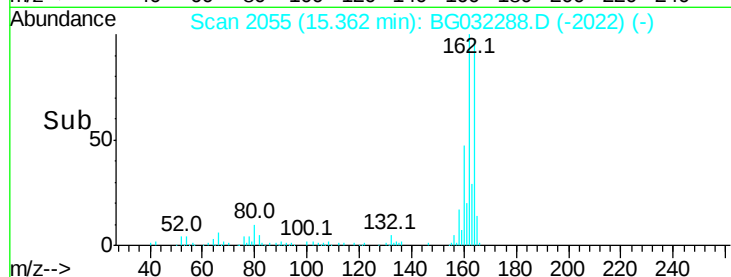
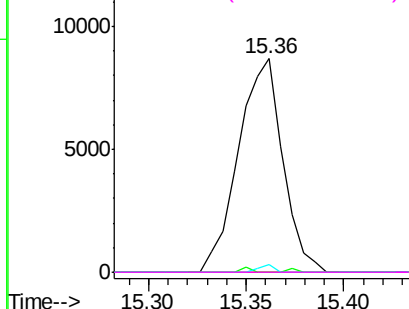


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

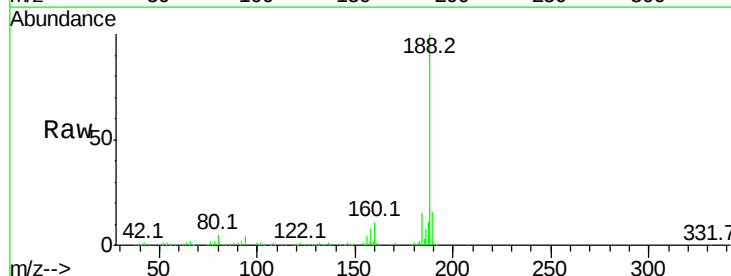
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.09 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BG032288.D
 Acq: 25 Jan 2018 8:54

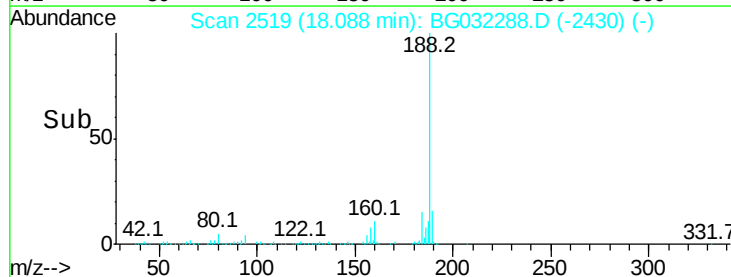
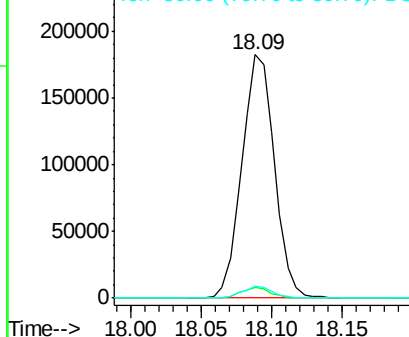
Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.3	6.9	10.3#
80	4.9	7.7	11.5#

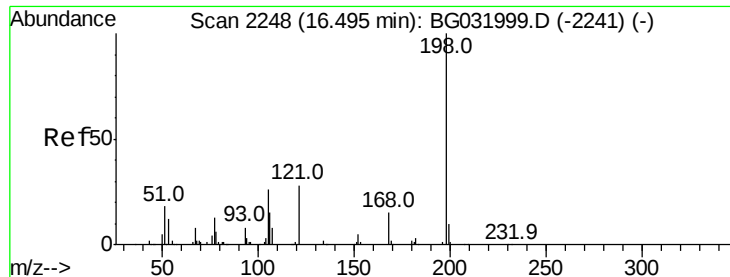


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

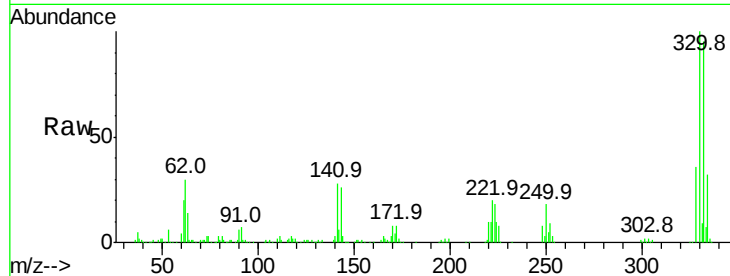




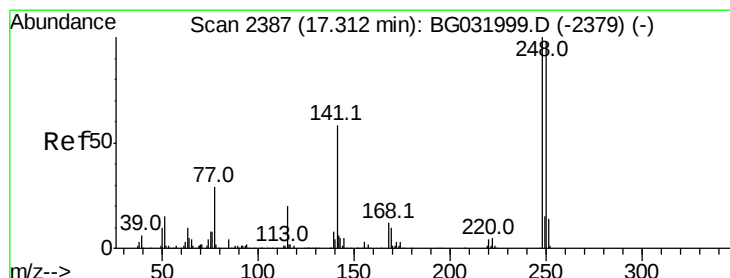
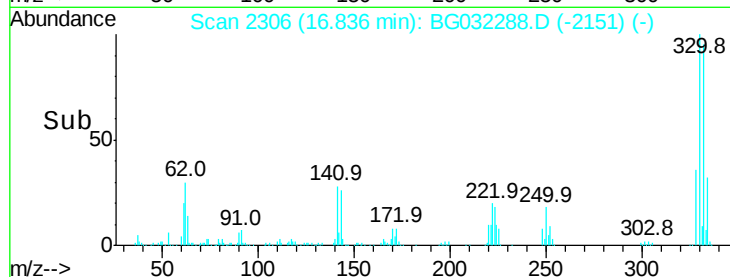
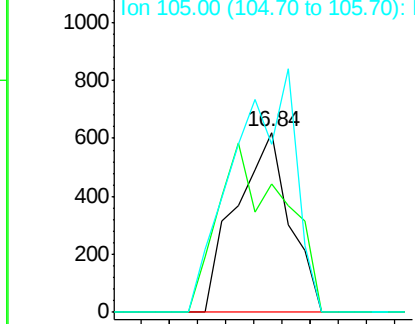
#64
4,6-Dinitro-2-methylphenol
Concen: 5.272 ng
RT: 16.84 min Scan# 2306
Delta R.T. 0.38 min
Lab File: BG032288.D
Acq: 25 Jan 2018 8:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:198 Resp: 815
Ion Ratio Lower Upper
198 100
51 71.0 30.6 70.6#
105 93.1 23.8 63.8#

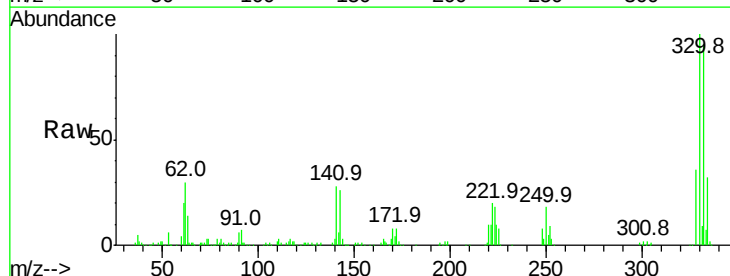


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

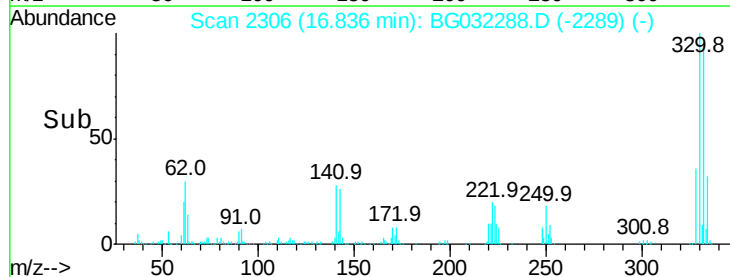
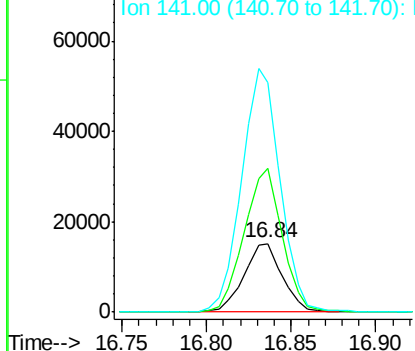


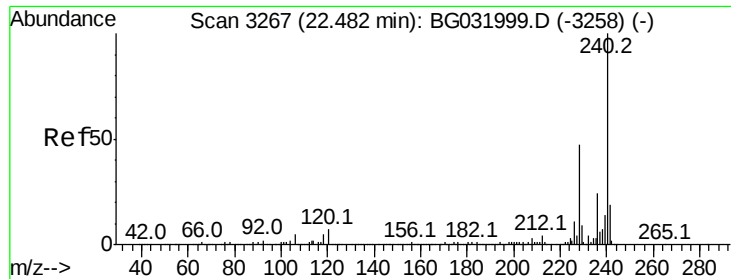
#66
4-Bromophenyl-phenylether
Concen: 5.716 ng
RT: 16.84 min Scan# 2306
Delta R.T. -0.43 min
Lab File: BG032288.D
Acq: 25 Jan 2018 8:54

Tgt Ion:248 Resp: 23971
Ion Ratio Lower Upper
248 100
250 209.0 77.1 115.7#
141 334.9 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: BG032288.D

Acq: 25 Jan 2018 8:54

Instrument :

BNA_G

ClientSampled :

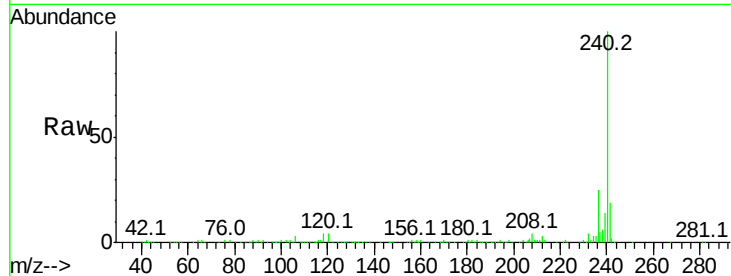
Tot Ion:240 Resp: 390899

Ion Ratio Lower Upper

240 100

120 4.2 6.8 10.2#

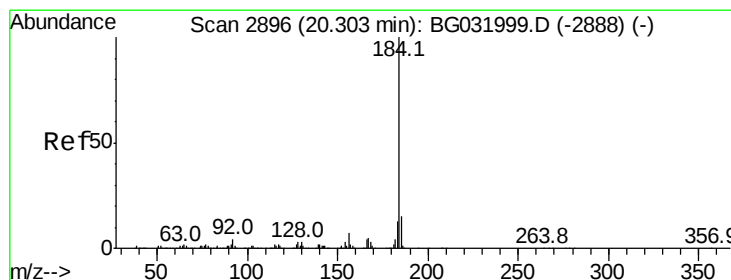
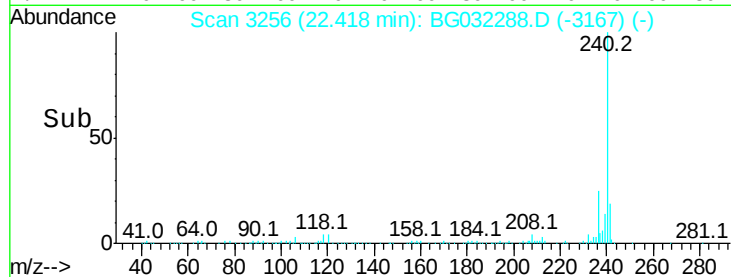
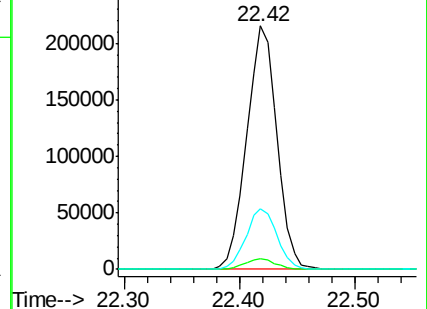
236 24.6 20.9 31.3



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: 2.491 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.36 min

Lab File: BG032288.D

Acq: 25 Jan 2018 8:54

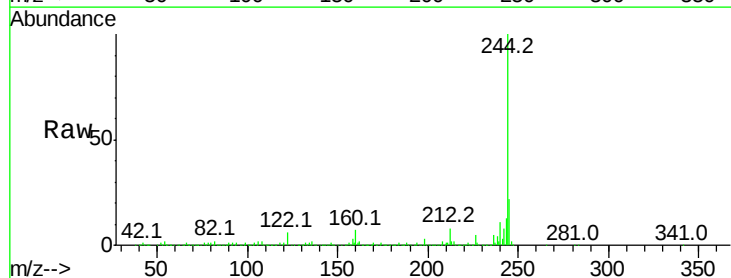
Tgt Ion:184 Resp: 24346

Ion Ratio Lower Upper

184 100

185 19.4 11.1 16.7#

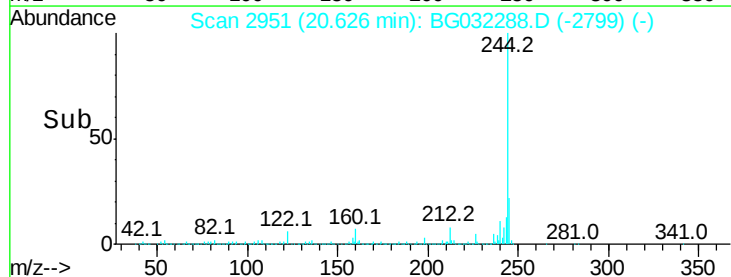
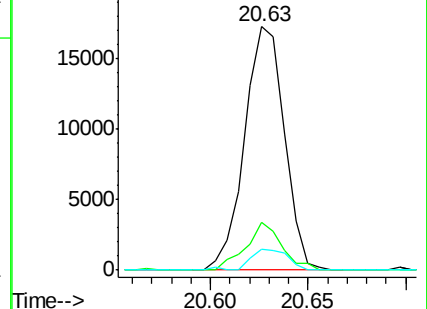
183 8.7 10.6 16.0#

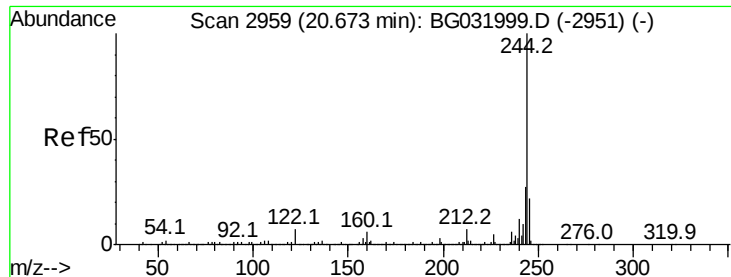


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 93.593 ng

RT: 20.63 min Scan# 2951

Delta R.T. -0.01 min

Lab File: BG032288.D

Acq: 25 Jan 2018 8:54

Instrument :

BNA_G

ClientSampleId :

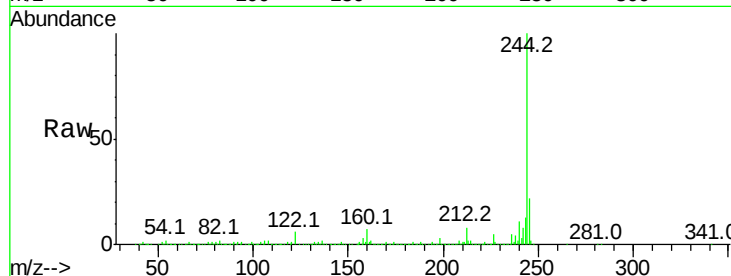
Tot Ion:244 Resp: 1656916

Ion	Ratio	Lower	Upper
244	100		
212	8.1	5.8	8.8
122	6.1	7.0	10.4

244 100

212 8.1 5.8 8.8

122 6.1 7.0 10.4

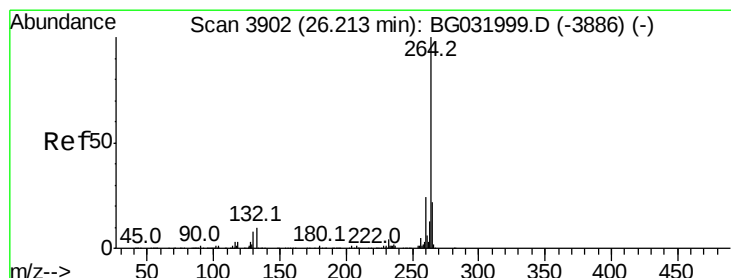
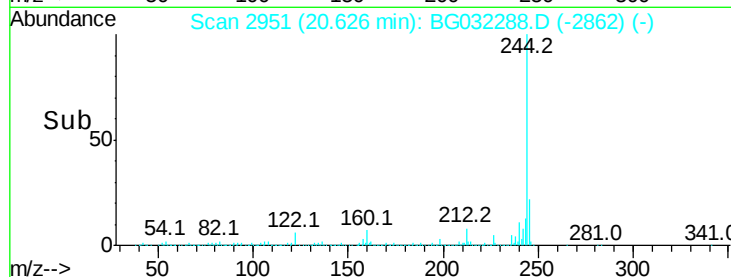
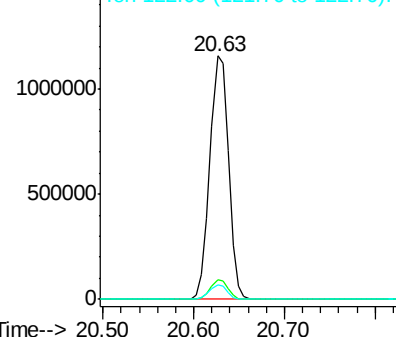


Abundance

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: 26.10 min Scan# 3883

Delta R.T. -0.01 min

Lab File: BG032288.D

Acq: 25 Jan 2018 8:54

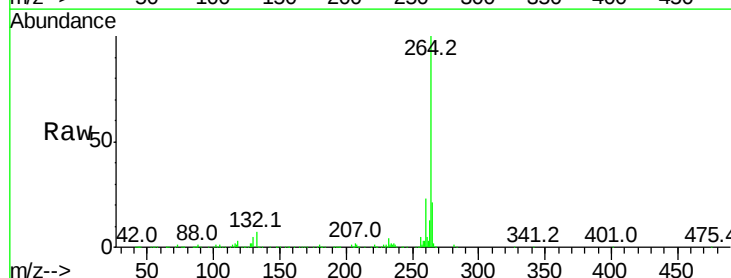
Tgt Ion:264 Resp: 413483

Ion	Ratio	Lower	Upper
264	100		
260	23.5	17.4	26.0
265	20.6	17.7	26.5

264 100

260 23.5 17.4 26.0

265 20.6 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

