

Data Path : U:\HPCHEM1\BNA G\DATA\BG012418\
 Data File : BG032281.D
 Acq On : 25 Jan 2018 4:32
 Operator : SJ/JU
 Sample : J1015-19
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 25 07:34:57 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	44170	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	165793	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	109087	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	303894	20.00	ng	0.00
75) Chrysene-d12	22.42	240	405158	20.00	ng	0.00
86) Perylene-d12	26.10	264	365471	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	299488	124.01	ng	0.00
7) Phenol-d6	7.84	99	340652	112.00	ng	0.00
23) Nitrobenzene-d5	9.92	82	255718	104.35	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	270314	149.75	ng	0.00
44) 2-Fluorobiphenyl	13.99	172	857841	97.51	ng	0.00
78) Terphenyl-d14	20.63	244	1792751	97.70	ng	0.00

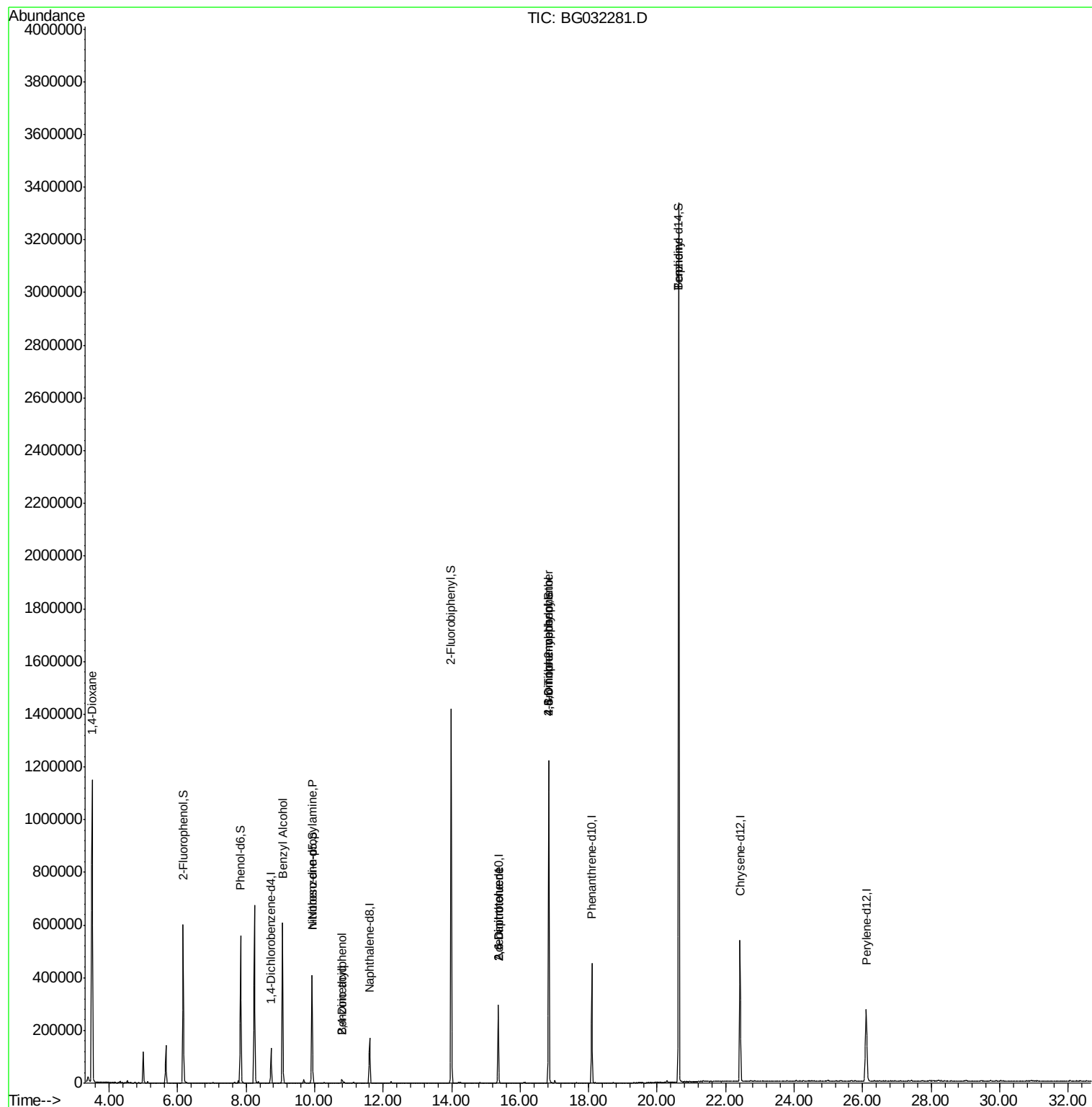
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.50	88	14774	15.923	ng	# 1
15) Benzyl Alcohol	9.06	79	4718	2.135	ng	# 50
19) n-Nitroso-di-n-propylamine	9.92	70	37034	19.624	ng	# 75
27) 2,4-Dimethylphenol	10.80	122	6910	3.006	ng	# 1
32) Benzoic acid	10.80	122	6910	8.593	ng	# 93
50) 2,6-Dinitrotoluene	15.36	165	14868	7.504	ng	# 20
56) 2,4-Dinitrotoluene	15.36	165	14868	5.573	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.83	198	962	5.329	ng	# 13
66) 4-Bromophenyl-phenylether	16.83	248	22907	5.298	ng	# 1
76) Benzidine	20.63	184	26346	2.600	ng	# 89

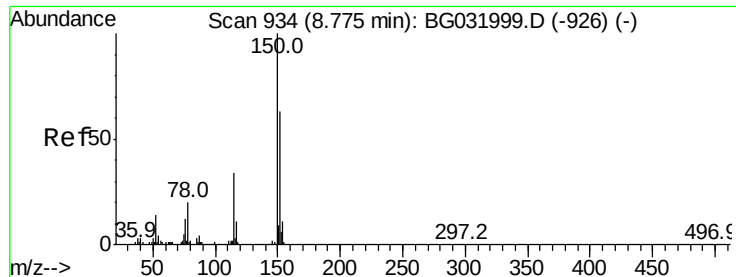
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.72 min Scan# 924

Delta R.T. -0.00 min

Lab File: BG032281.D

Acq: 25 Jan 2018 4:32

Instrument :

BNA_G

ClientSampleId :

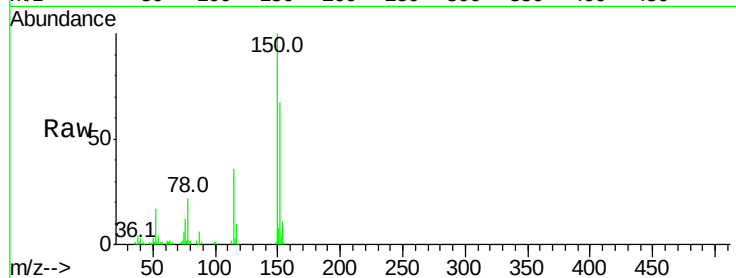
Tot Ion:152 Resp: 44170

Ion Ratio Lower Upper

152 100

150 149.2 126.6 189.8

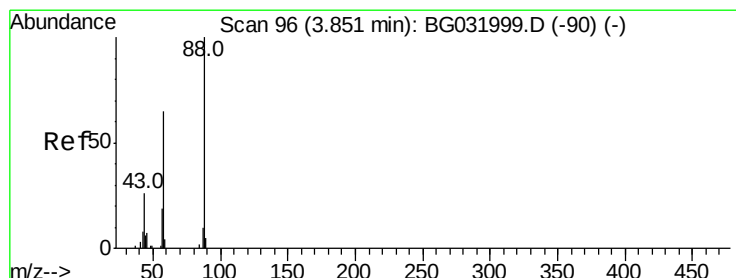
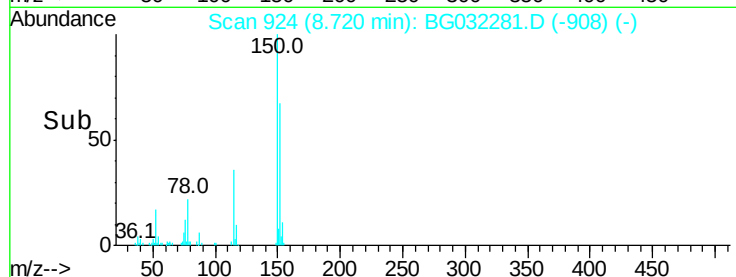
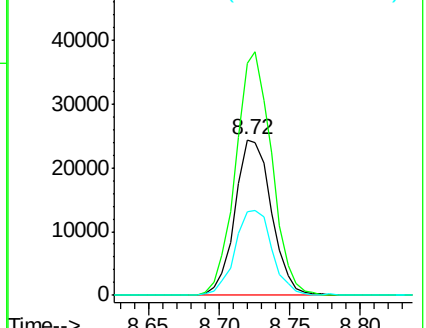
115 54.1 53.0 79.4



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: 15.923 ng

RT: 3.50 min Scan# 36

Delta R.T. -0.32 min

Lab File: BG032281.D

Acq: 25 Jan 2018 4:32

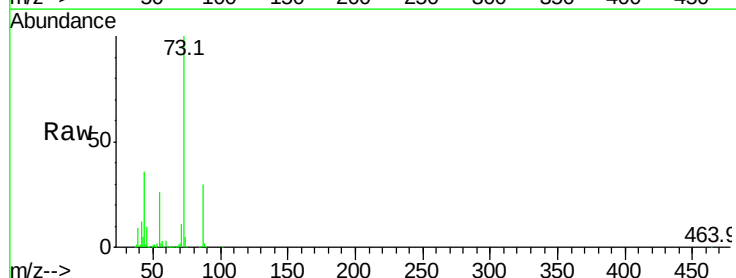
Tgt Ion: 88 Resp: 14774

Ion Ratio Lower Upper

88 100

58 31.3 79.6 119.4#

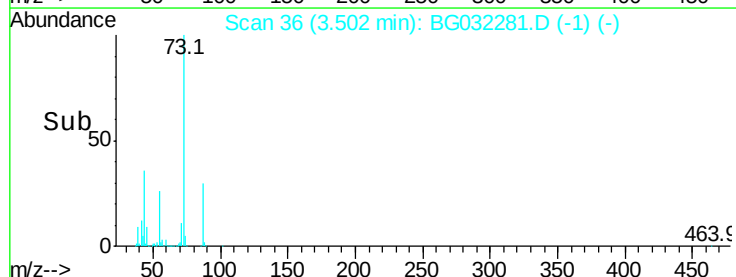
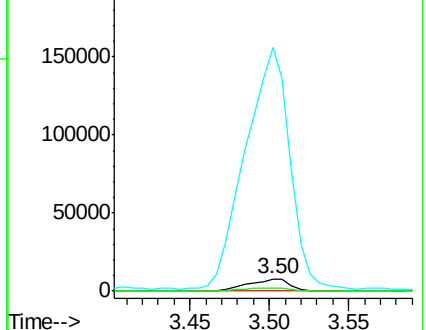
43 2043.1 27.4 41.0#

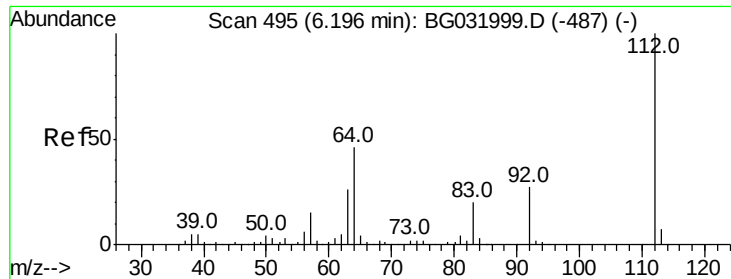


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 124.008 ng

RT: 6.16 min Scan# 489

Delta R.T. 0.01 min

Lab File: BG032281.D

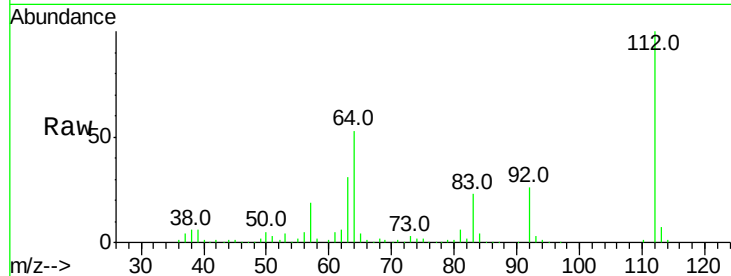
Acq: 25 Jan 2018 4:32

Instrument :

BNA_G

ClientSampled :

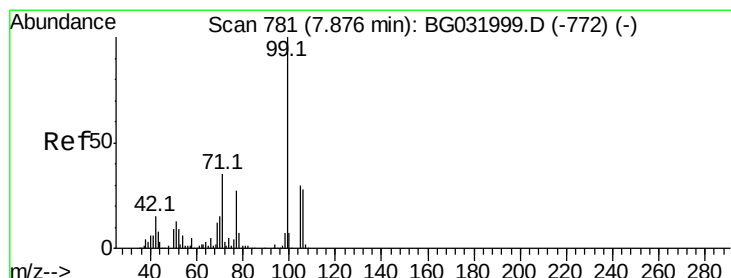
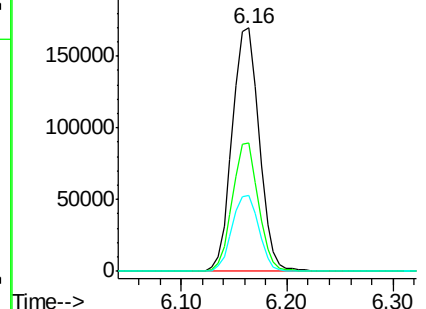
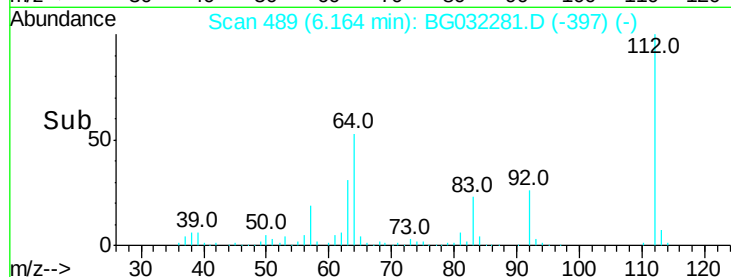
Tot Ion:	112	Resp:	299488
Ion Ratio	Lower	Upper	
112	100		
64	52.8	56.3	84.5#
63	31.1	30.1	45.1



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: 111.997 ng

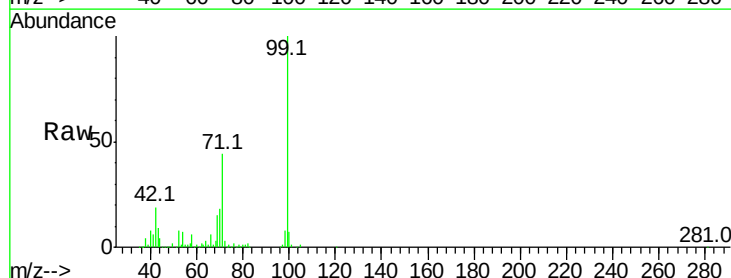
RT: 7.84 min Scan# 774

Delta R.T. 0.00 min

Lab File: BG032281.D

Acq: 25 Jan 2018 4:32

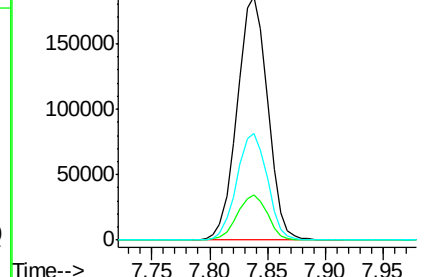
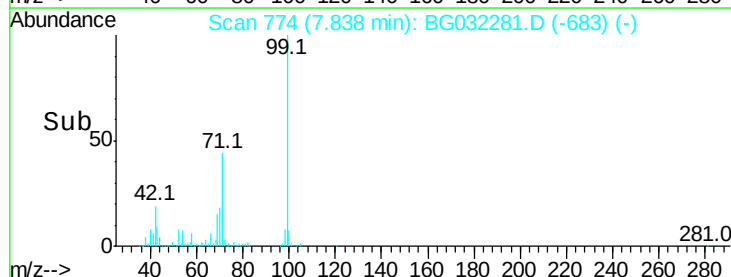
Tgt Ion:	99	Resp:	340652
Ion Ratio	Lower	Upper	
99	100		
42	18.6	14.1	21.1
71	44.0	26.1	39.1#

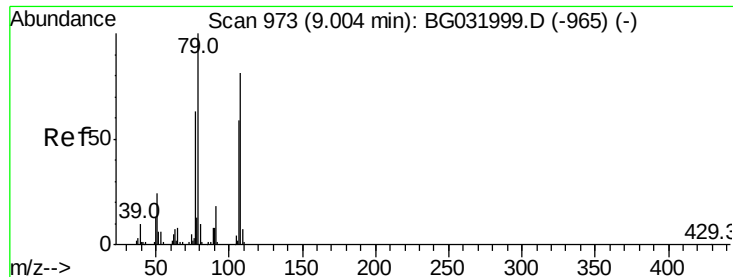


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.135 ng

RT: 9.06 min Scan# 982

Delta R.T. 0.10 min

Lab File: BG032281.D

Acq: 25 Jan 2018 4:32

Instrument :

BNA_G

ClientSampleId :

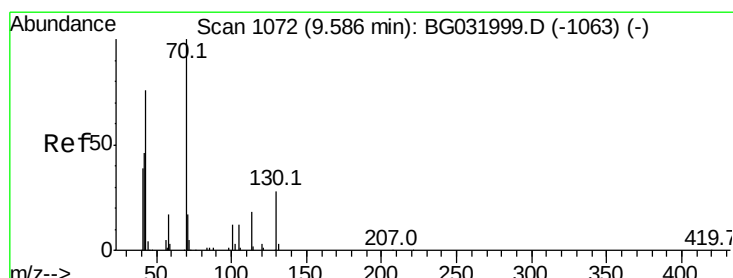
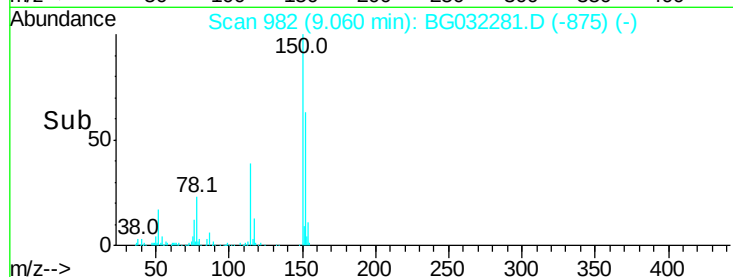
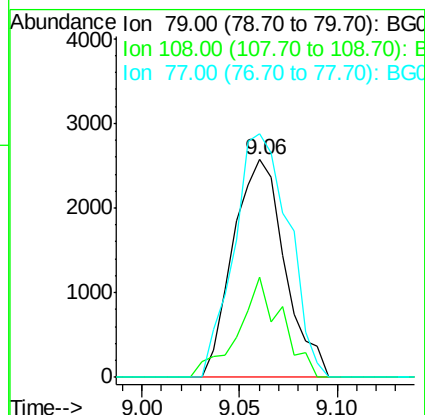
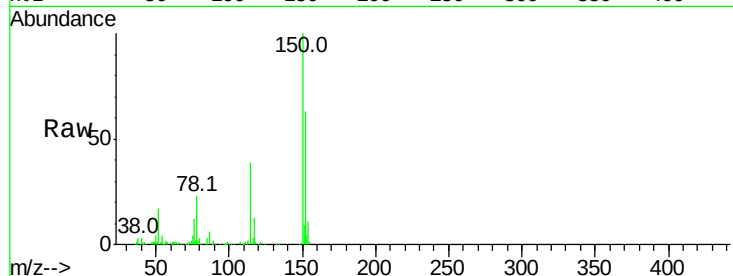
Tot Ion: 79 Resp: 4718

Ion Ratio Lower Upper

79 100

108 46.0 57.2 85.8#

77 112.0 46.1 69.1#



#19

n-Nitroso-di-n-propylamine

Concen: 19.624 ng

RT: 9.92 min Scan# 1129

Delta R.T. 0.38 min

Lab File: BG032281.D

Acq: 25 Jan 2018 4:32

Tgt Ion: 70 Resp: 37034

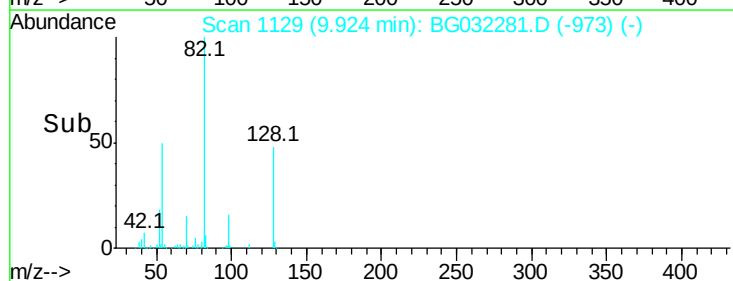
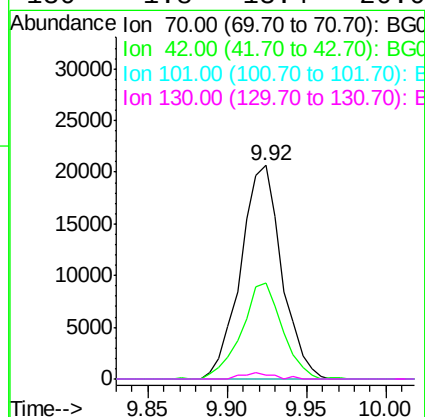
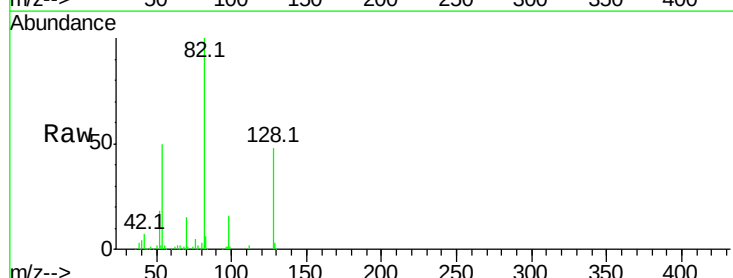
Ion Ratio Lower Upper

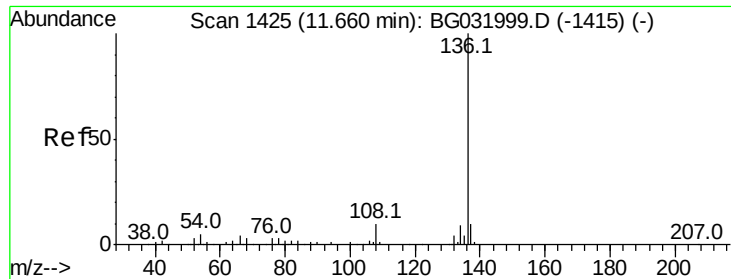
70 100

42 45.1 49.1 73.7#

101 0.0 8.5 12.7#

130 1.8 13.4 20.0#

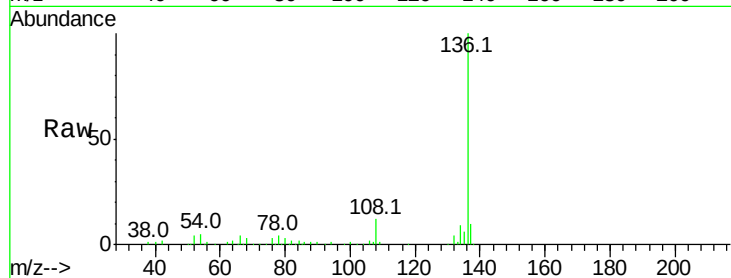




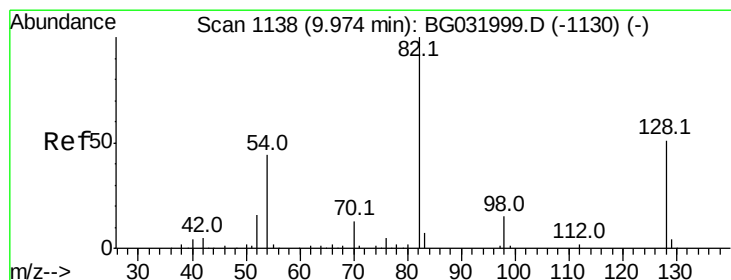
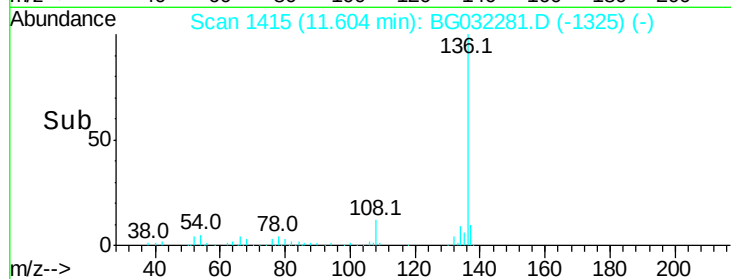
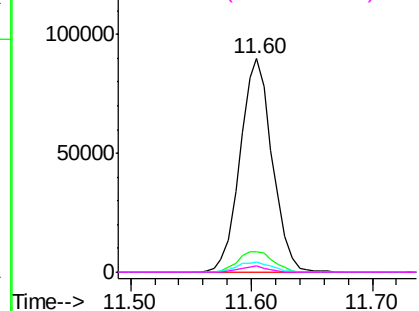
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1415
Delta R.T. -0.00 min
Lab File: BG032281.D
Acq: 25 Jan 2018 4:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp: 165793
Ion Ratio	Lower Upper
136 100	
137 9.7	9.2 13.8
54 4.8	10.3 15.5#
68 2.8	4.5 6.7#

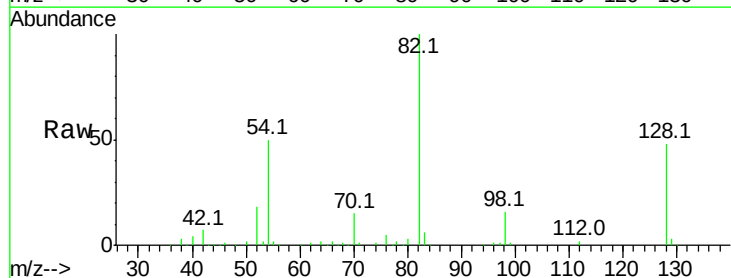


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

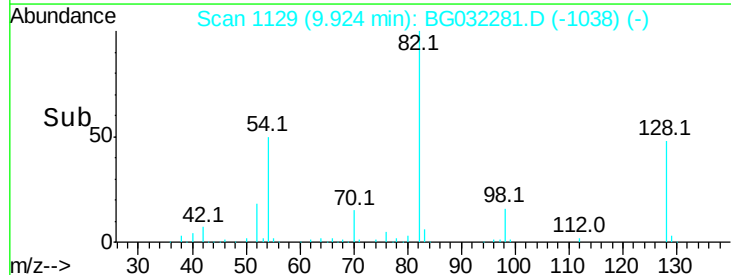
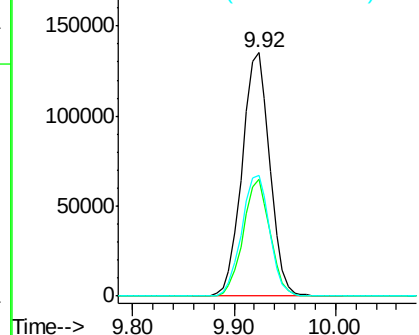


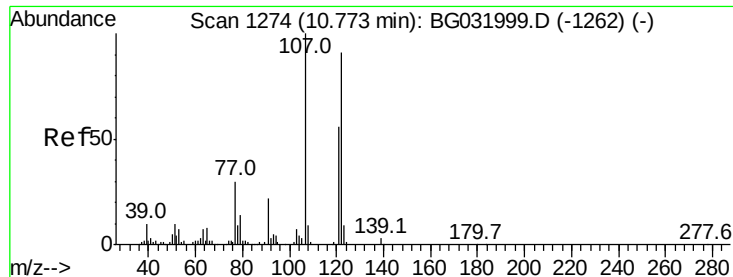
#23
Nitrobenzene-d5
Concen: 104.349 ng
RT: 9.92 min Scan# 1129
Delta R.T. 0.00 min
Lab File: BG032281.D
Acq: 25 Jan 2018 4:32

Tgt Ion: 82	Resp: 255718
Ion Ratio	Lower Upper
82 100	
128 48.1	29.7 44.5#
54 49.8	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





#27

2,4-Dimethylphenol

Concen: 3.006 ng

RT: 10.80 min Scan# 1278

Delta R.T. 0.07 min

Lab File: BG032281.D

Acq: 25 Jan 2018 4:32

Instrument :

BNA_G

ClientSampleId :

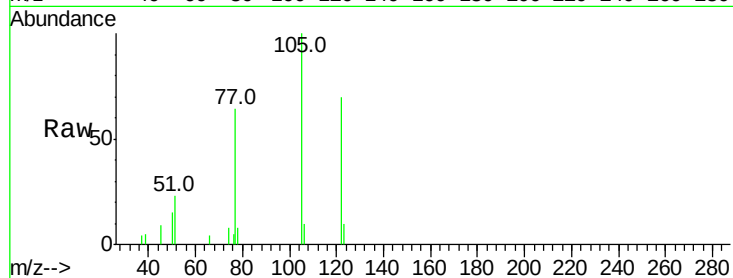
Tot Ion:122 Resp: 6910

Ion Ratio Lower Upper

122 100

107 0.0 100.2 150.2#

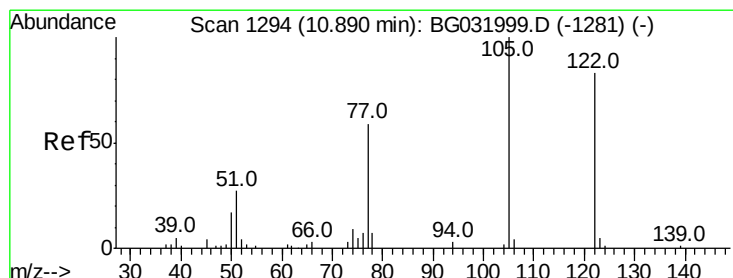
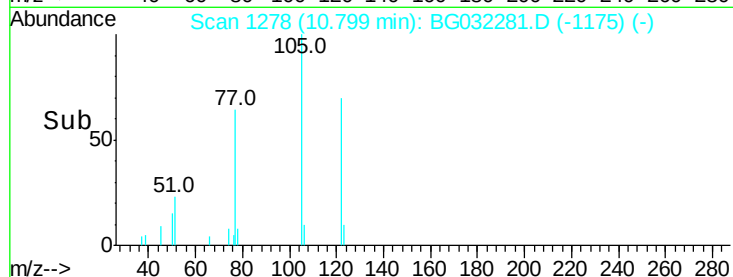
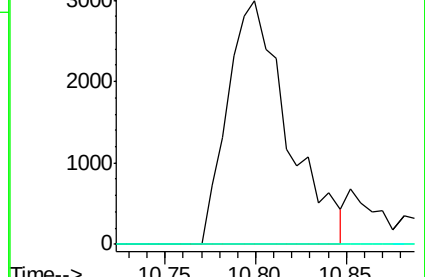
121 0.0 44.4 66.6#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#32

Benzoic acid

Concen: 8.593 ng

RT: 10.80 min Scan# 1278

Delta R.T. -0.06 min

Lab File: BG032281.D

Acq: 25 Jan 2018 4:32

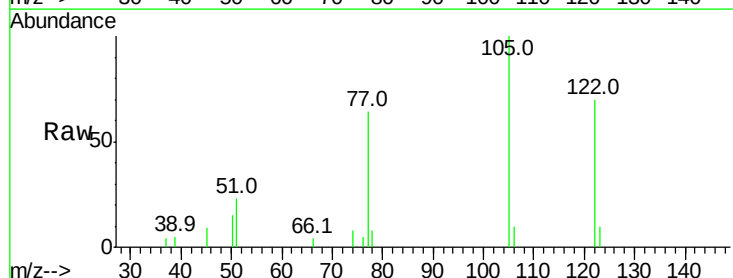
Tgt Ion:122 Resp: 6910

Ion Ratio Lower Upper

122 100

105 142.1 123.5 163.5

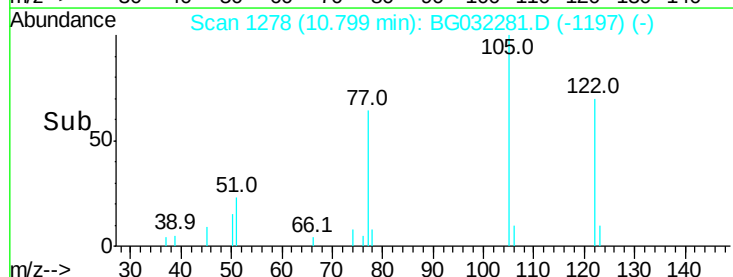
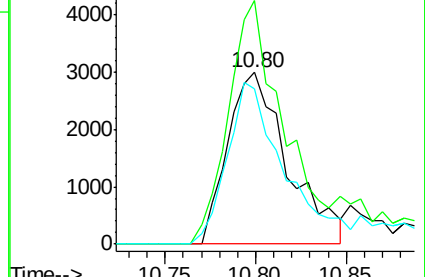
77 90.5 85.7 125.7

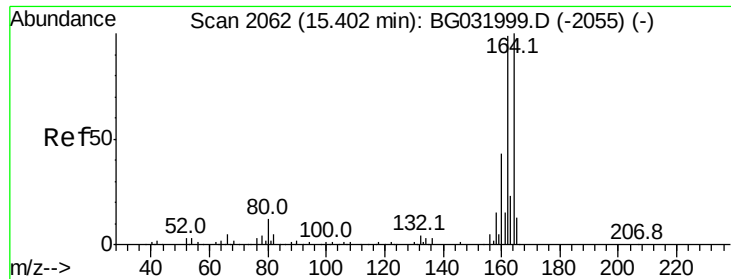


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.00 min

Lab File: BG032281.D

Acq: 25 Jan 2018 4:32

Instrument :

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ClientSampleId :

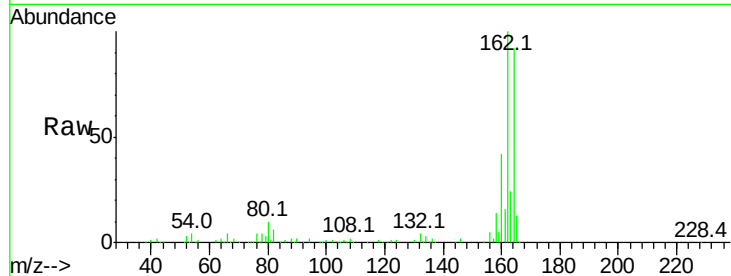
Tot Ion:164 Resp: 109087

Ion Ratio Lower Upper

164 100

162 108.4 78.8 118.2

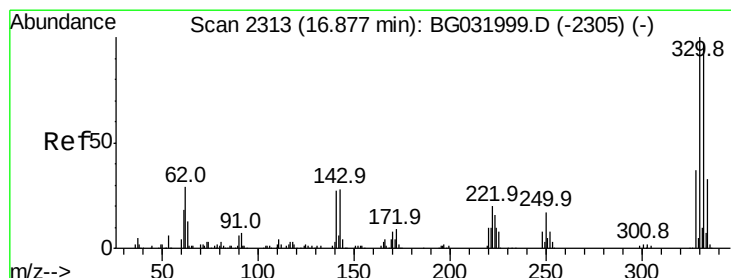
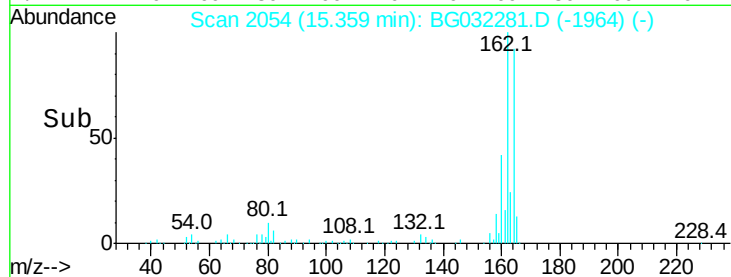
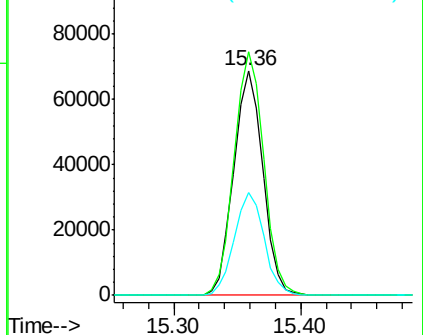
160 45.8 35.4 53.0



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: 149.747 ng

RT: 16.83 min Scan# 2305

Delta R.T. -0.00 min

Lab File: BG032281.D

Acq: 25 Jan 2018 4:32

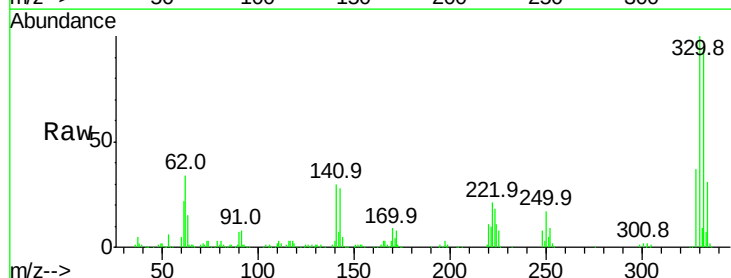
Tgt Ion:330 Resp: 270314

Ion Ratio Lower Upper

330 100

332 96.8 77.0 115.6

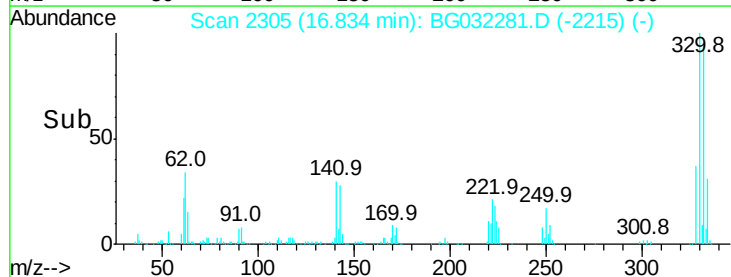
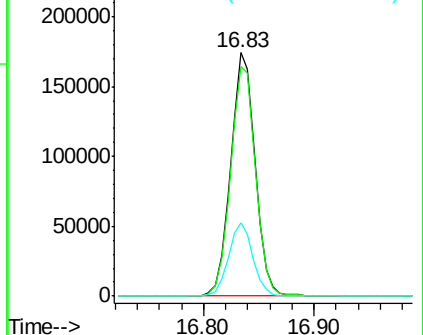
141 30.0 25.2 37.8

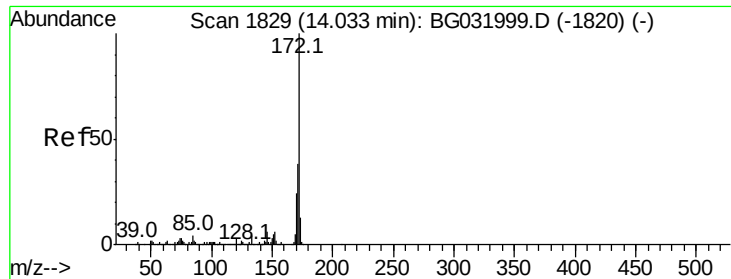


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

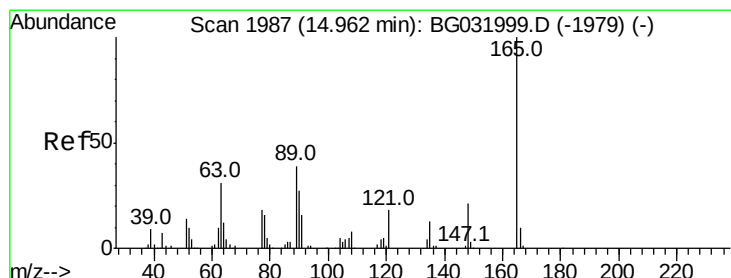
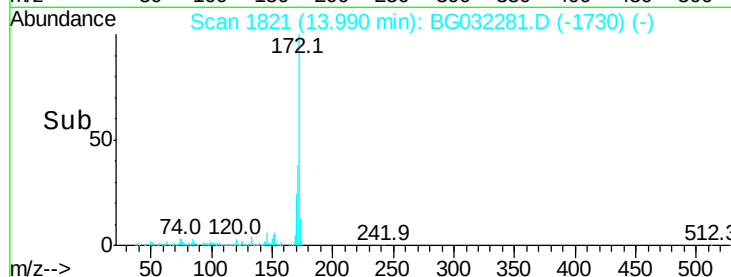
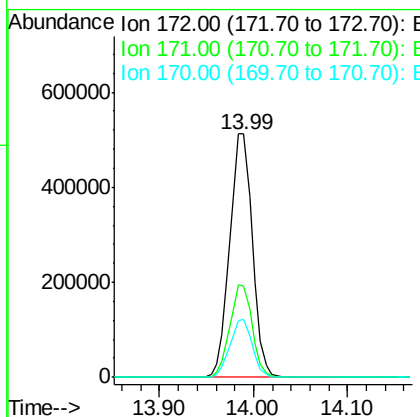
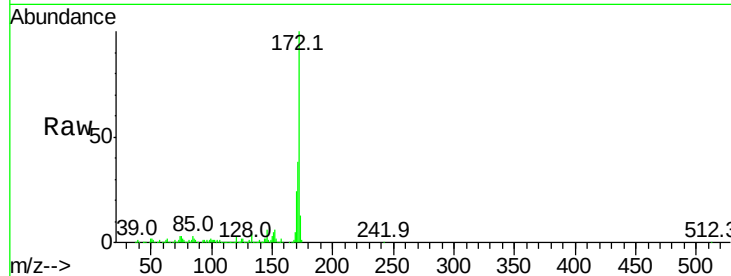




#44
 2-Fluorobiphenyl
 Concen: 97.508 ng
 RT: 13.99 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: BG032281.D
 Acq: 25 Jan 2018 4:32

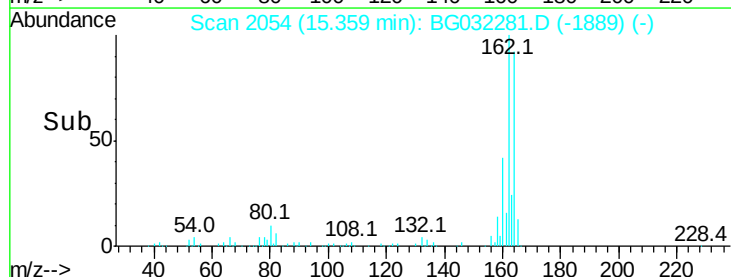
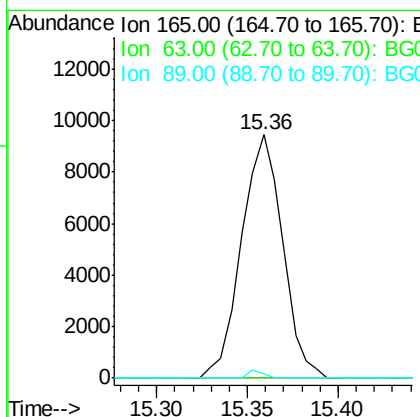
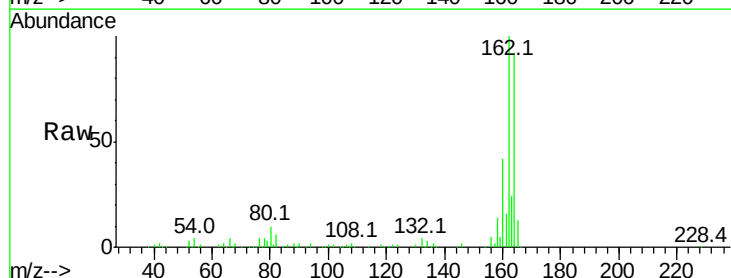
Instrument :
 BNA_G
 ClientSampleId :

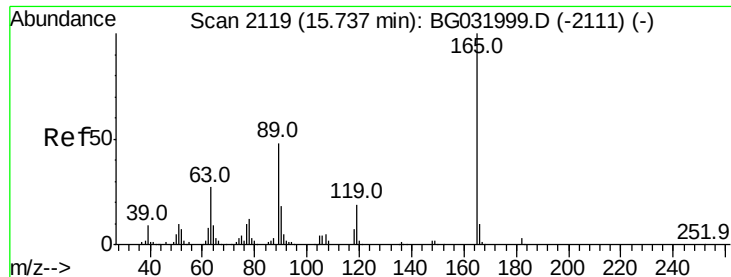
Tot Ion:172 Resp: 857841
 Ion Ratio Lower Upper
 172 100
 171 37.7 30.0 45.0
 170 23.6 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.504 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. 0.44 min
 Lab File: BG032281.D
 Acq: 25 Jan 2018 4:32

Tgt Ion:165 Resp: 14868
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 1.9 49.2 73.8#

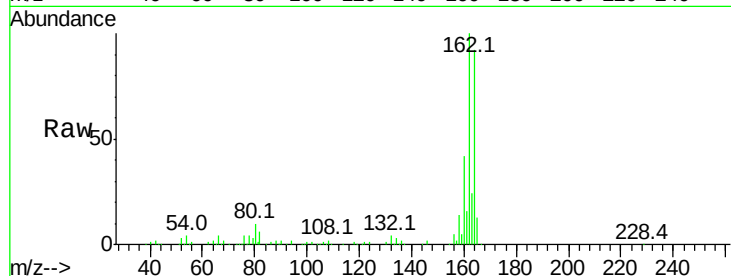




#56
2,4-Dinitrotoluene
Concen: 5.573 ng
RT: 15.36 min Scan# 2054
Delta R.T. -0.34 min
Lab File: BG032281.D
Acq: 25 Jan 2018 4:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	1.9	66.9	100.3#
182	0.0	2.6	3.8#

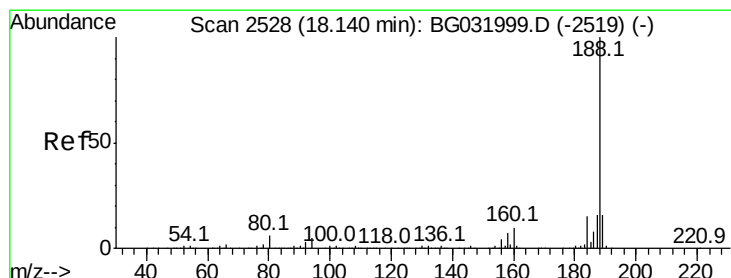
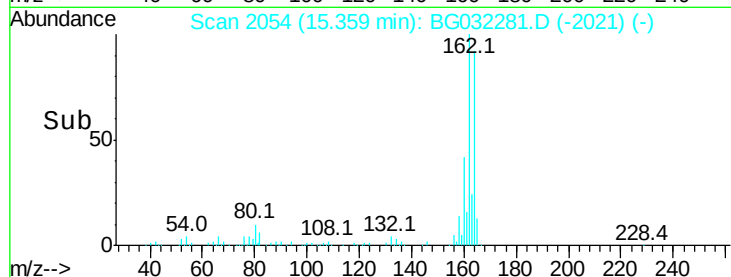
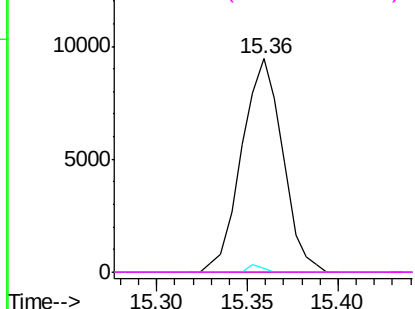


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

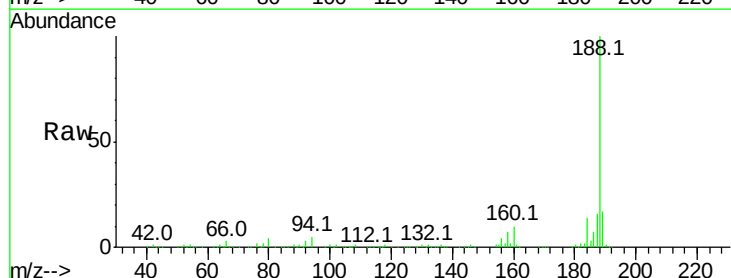
Ion 89.00 (88.70 to 89.70): BGC

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. -0.00 min
Lab File: BG032281.D
Acq: 25 Jan 2018 4:32

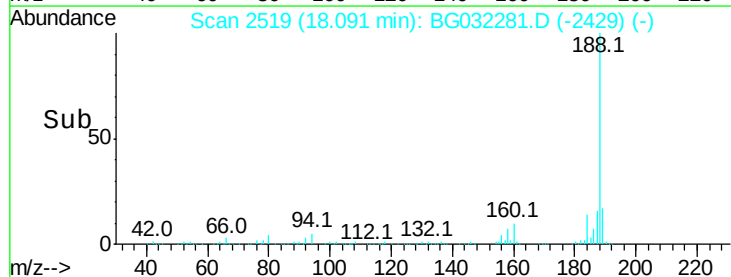
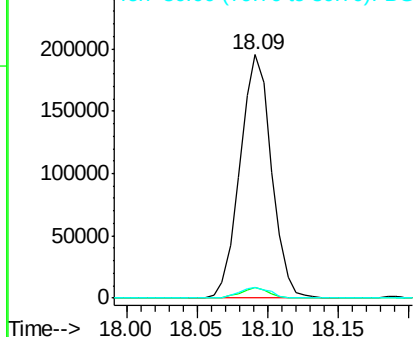
Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.5	6.9	10.3#
80	4.4	7.7	11.5#

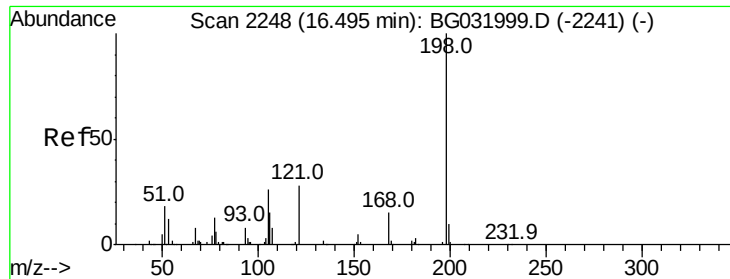


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

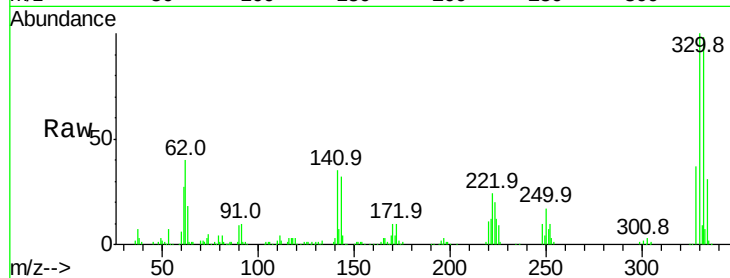




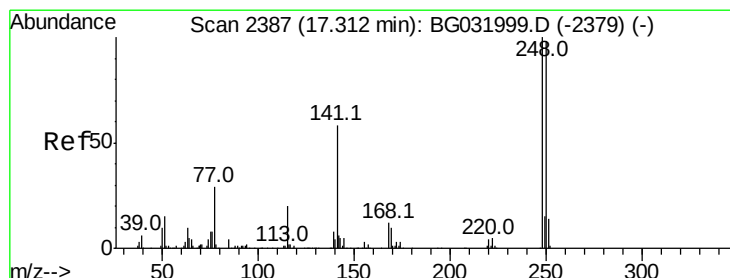
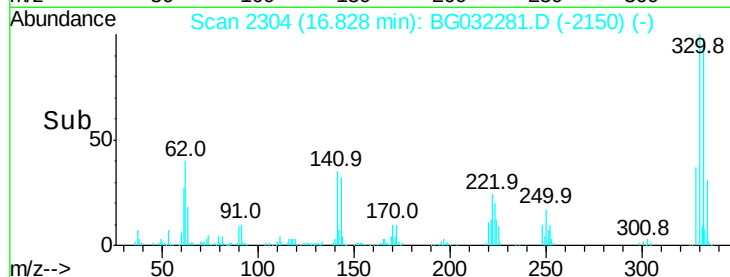
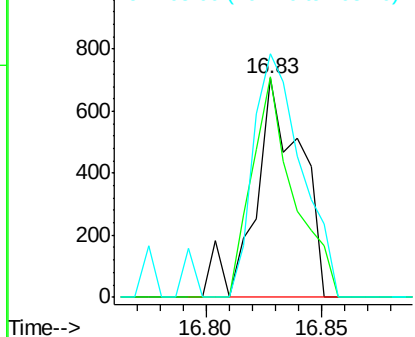
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.329 ng
 RT: 16.83 min Scan# 2304
 Delta R.T. 0.37 min
 Lab File: BG032281.D
 Acq: 25 Jan 2018 4:32

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 962
 Ion Ratio Lower Upper
 198 100
 51 100.7 30.6 70.6#
 105 111.3 23.8 63.8#

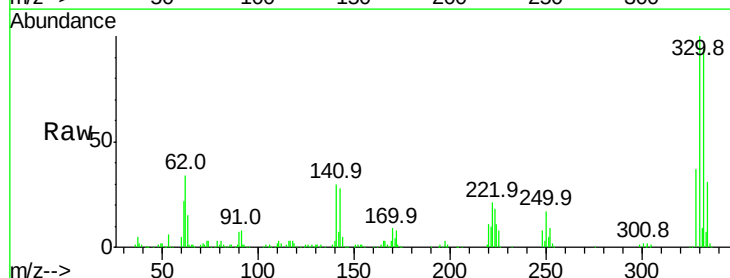


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

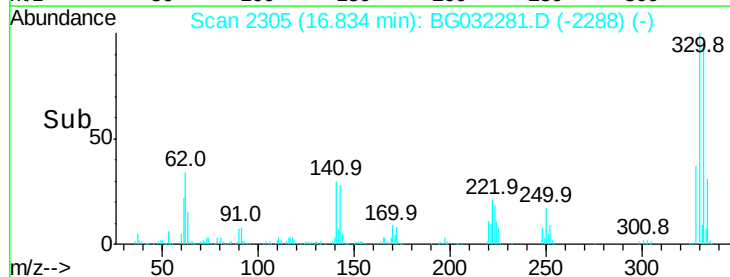
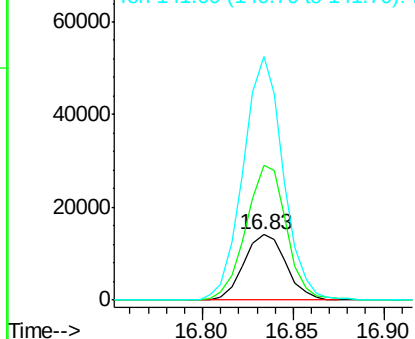


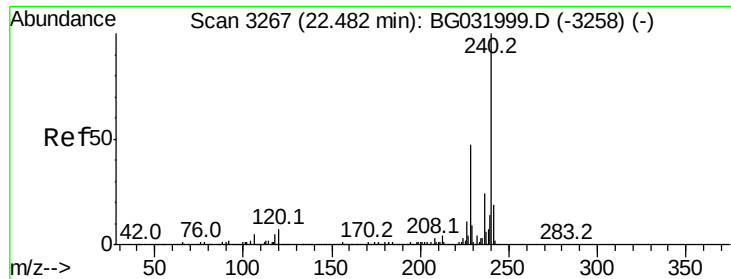
#66
 4-Bromophenyl-phenylether
 Concen: 5.298 ng
 RT: 16.83 min Scan# 2305
 Delta R.T. -0.43 min
 Lab File: BG032281.D
 Acq: 25 Jan 2018 4:32

Tgt Ion:248 Resp: 22907
 Ion Ratio Lower Upper
 248 100
 250 207.7 77.1 115.7#
 141 374.2 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. -0.00 min

Lab File: BG032281.D

Acq: 25 Jan 2018 4:32

Instrument :

BNA_G

ClientSampled :

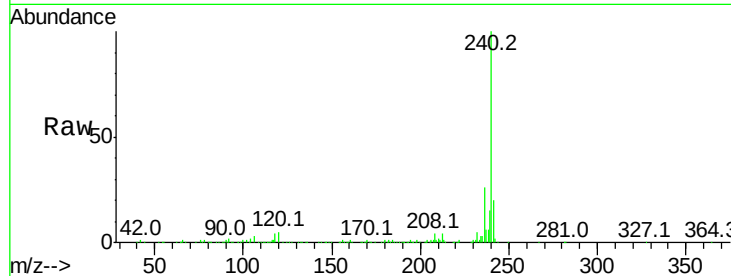
Tot Ion:240 Resp: 405158

Ion Ratio Lower Upper

240 100

120 4.8 6.8 10.2#

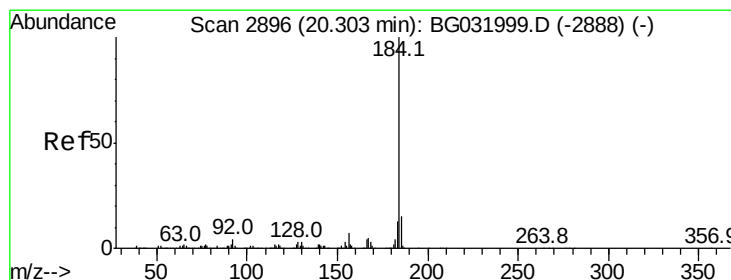
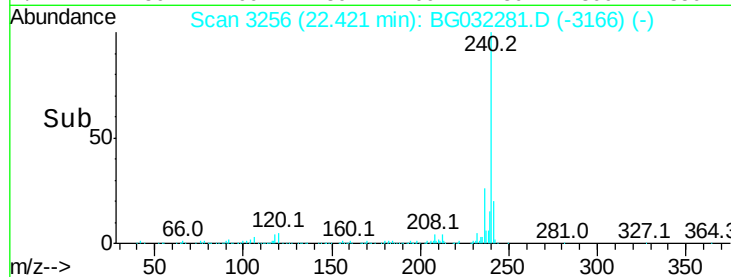
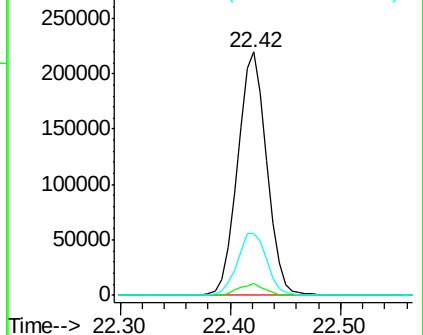
236 25.6 20.9 31.3



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: 2.600 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.37 min

Lab File: BG032281.D

Acq: 25 Jan 2018 4:32

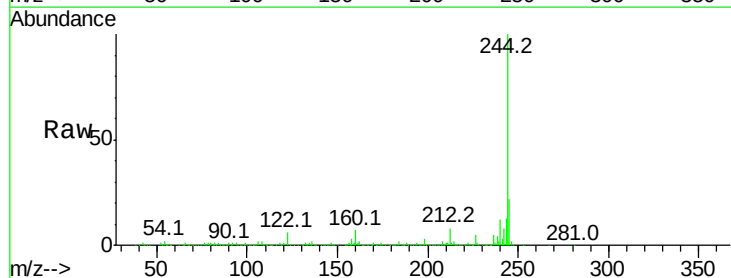
Tgt Ion:184 Resp: 26346

Ion Ratio Lower Upper

184 100

185 17.4 11.1 16.7#

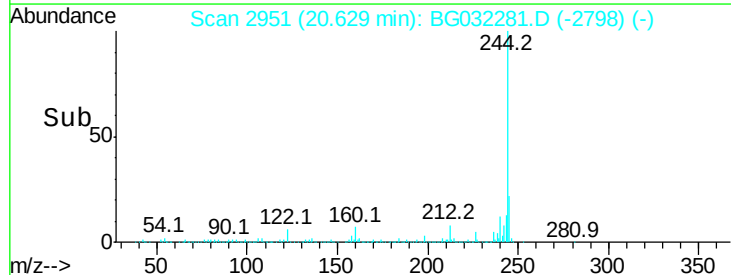
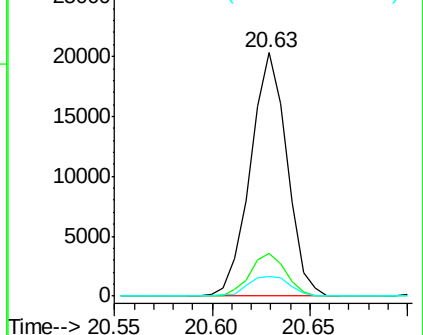
183 7.9 10.6 16.0#

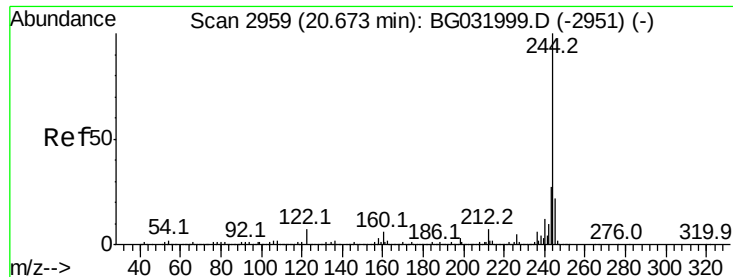


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

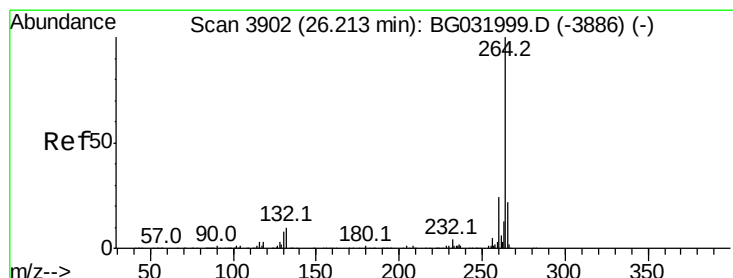
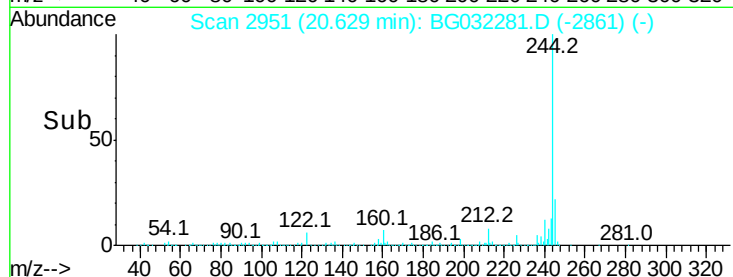
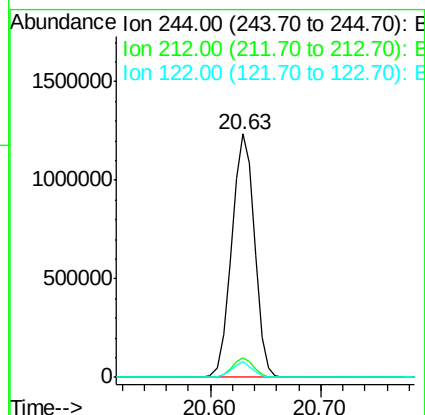
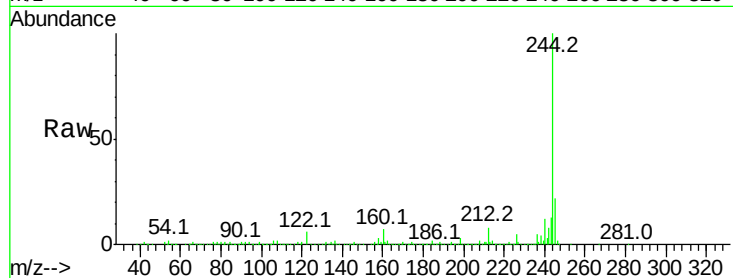




#78
 Terphenyl-d14
 Concen: 97.702 ng
 RT: 20.63 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: BG032281.D
 Acq: 25 Jan 2018 4:32

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1792751
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.8 8.8
 122 6.2 7.0 10.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.10 min Scan# 3882
 Delta R.T. -0.01 min
 Lab File: BG032281.D
 Acq: 25 Jan 2018 4:32

Tgt Ion:264 Resp: 365471
 Ion Ratio Lower Upper
 264 100
 260 20.9 17.4 26.0
 265 20.0 17.7 26.5

