

Data Path : U:\HPCHEM1\BNA G\DATA\BG020218\
 Data File : BG032529.D
 Acq On : 3 Feb 2018 2:33
 Operator : SJ/JU
 Sample : J1436-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 03 03:18:03 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 29 15:32:55 2018
 Response via : Initial Calibration

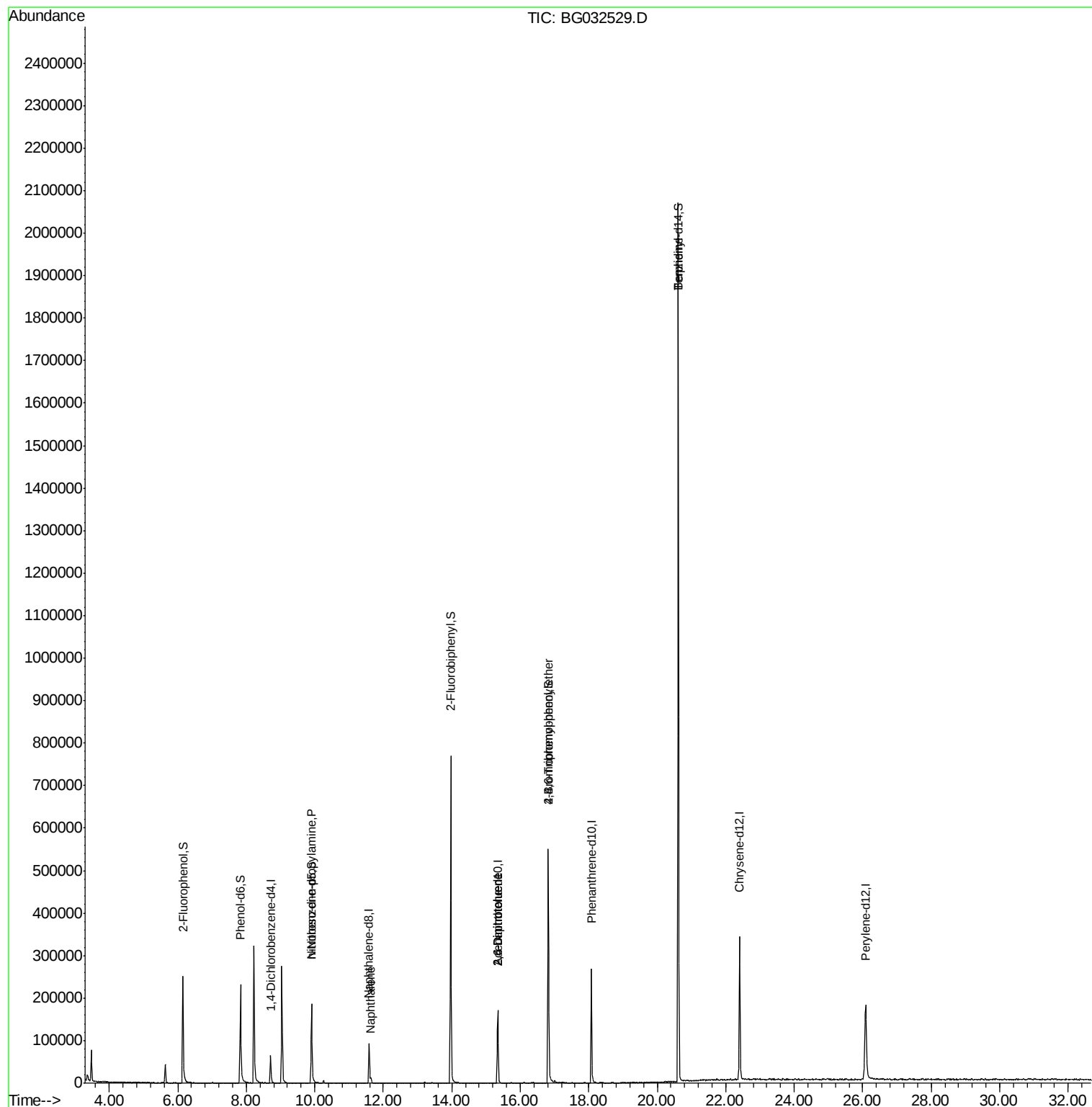
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.71	152	24097	20.00	ng	-0.01
21) Naphthalene-d8	11.58	136	100344	20.00	ng	-0.02
38) Acenaphthene-d10	15.34	164	72966	20.00	ng	-0.02
63) Phenanthrene-d10	18.08	188	200018	20.00	ng	-0.01
75) Chrysene-d12	22.41	240	269082	20.00	ng	-0.01
86) Perylene-d12	26.09	264	270419	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.15	112	141204	117.70	ng	0.00
7) Phenol-d6	7.83	99	165187	103.18	ng	0.00
23) Nitrobenzene-d5	9.90	82	127137	79.14	ng	-0.02
41) 2,4,6-Tribromophenol	16.82	330	142575	102.65	ng	-0.02
44) 2-Fluorobiphenyl	13.97	172	486861	79.31	ng	-0.02
78) Terphenyl-d14	20.62	244	1097322	87.35	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.90	70	18763	17.676	ng	# 80
31) Naphthalene	11.63	128	10921	2.228	ng	# 93
50) 2,6-Dinitrotoluene	15.34	165	9437	6.683	ng	# 21
56) 2,4-Dinitrotoluene	15.34	165	9437	4.694	ng	# 19
66) 4-Bromophenyl-phenylether	16.82	248	12111	4.087	ng	# 1
76) Benzidine	20.62	184	16551	3.132	ng	# 90

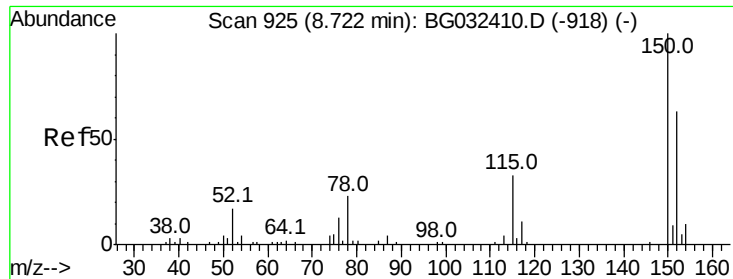
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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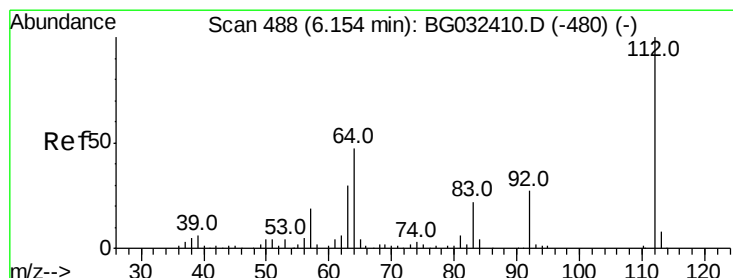
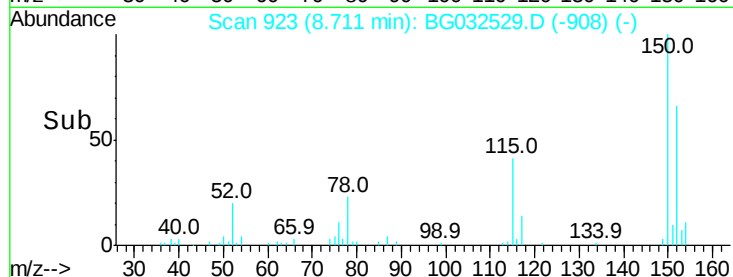
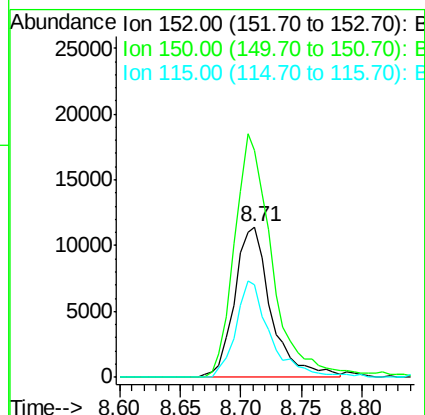
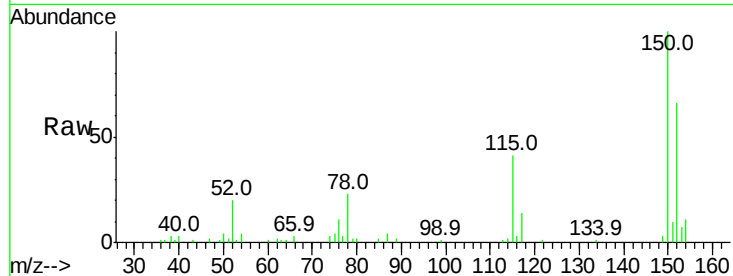


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.71 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: BG032529.D
 Acq: 3 Feb 2018 2:33

Instrument :
 BNA_G
 ClientSampled :

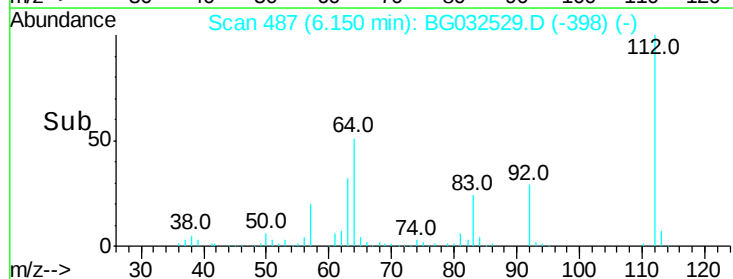
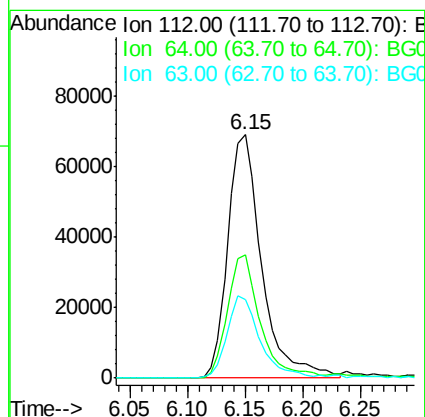
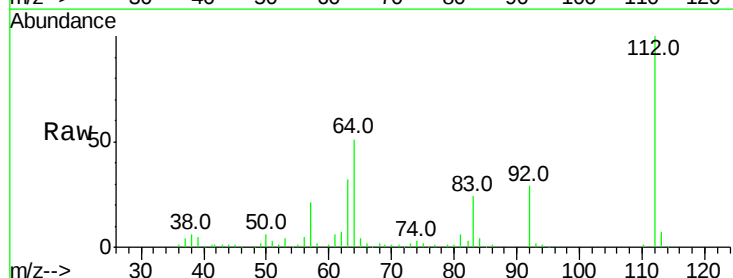
Tot Ion:152 Resp: 24097
 Ion Ratio Lower Upper
 152 100
 150 151.0 126.6 189.8
 115 61.9 53.0 79.4

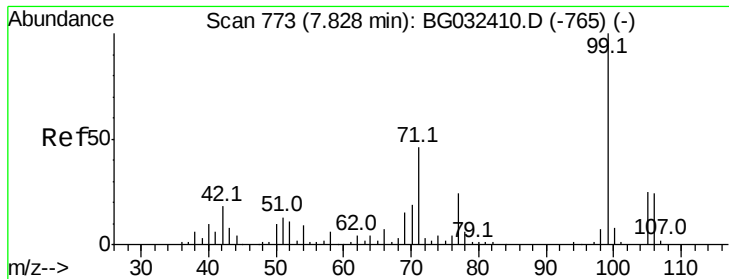


#5

2-Fluorophenol
 Concen: 117.698 ng
 RT: 6.15 min Scan# 487
 Delta R.T. -0.00 min
 Lab File: BG032529.D
 Acq: 3 Feb 2018 2:33

Tgt Ion:112 Resp: 141204
 Ion Ratio Lower Upper
 112 100
 64 50.8 56.3 84.5#
 63 32.4 30.1 45.1





#7

Phenol-d6

Concen: 103.182 ng

RT: 7.83 min Scan# 773

Delta R.T. 0.00 min

Lab File: BG032529.D

Acq: 3 Feb 2018 2:33

Instrument :

BNA_G

ClientSampled :

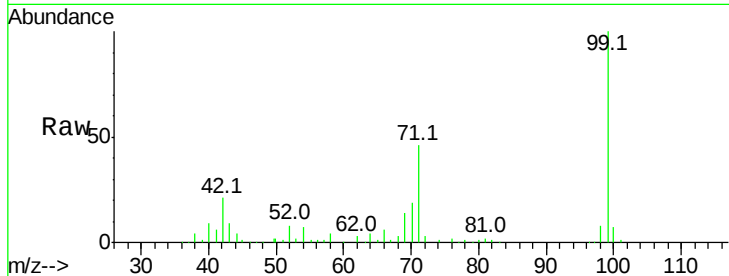
Tot Ion: 99 Resp: 165187

Ion Ratio Lower Upper

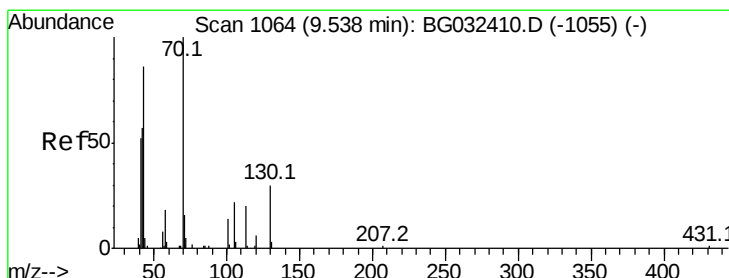
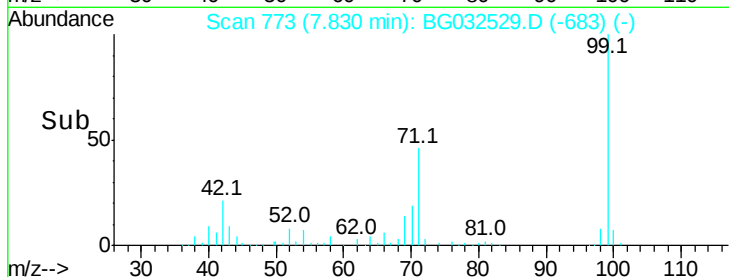
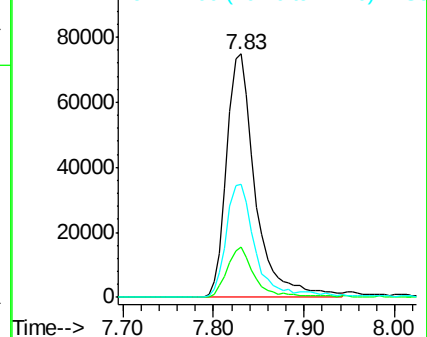
99 100

42 20.8 14.1 21.1

71 46.3 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



#19

n-Nitroso-di-n-propylamine

Concen: 17.676 ng

RT: 9.90 min Scan# 1126

Delta R.T. 0.37 min

Lab File: BG032529.D

Acq: 3 Feb 2018 2:33

Tgt Ion: 70 Resp: 18763

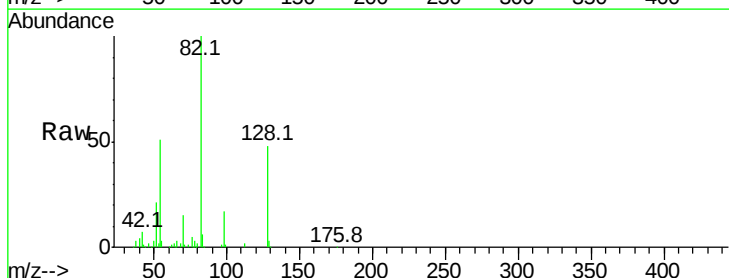
Ion Ratio Lower Upper

70 100

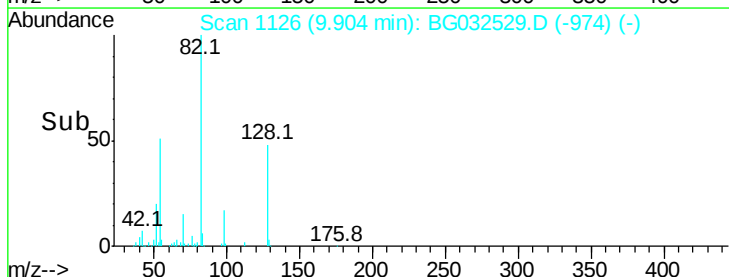
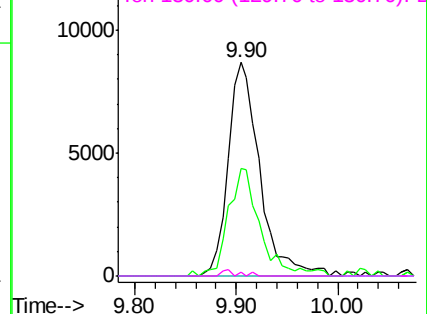
42 50.2 49.1 73.7

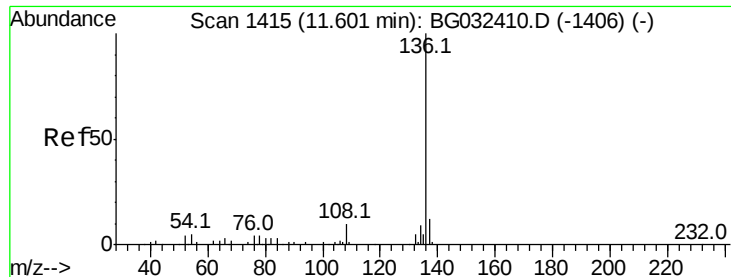
101 0.0 8.5 12.7#

130 1.7 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: 11.58 min Scan# 1412

Delta R.T. -0.02 min

Lab File: BG032529.D

Acq: 3 Feb 2018 2:33

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 100344

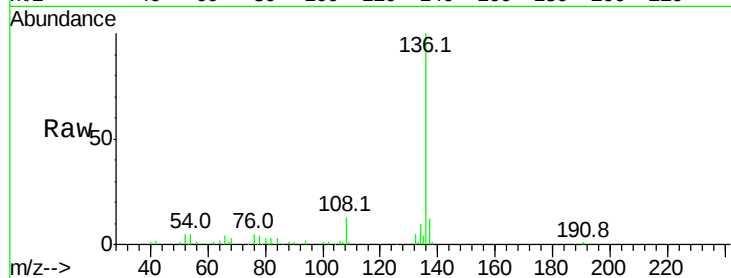
Ion Ratio Lower Upper

136 100

137 11.7 9.2 13.8

54 4.8 10.3 15.5#

68 2.7 4.5 6.7#

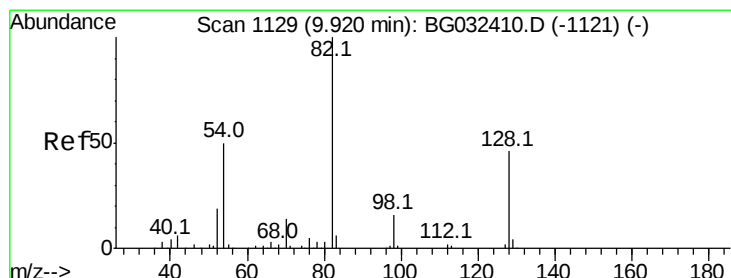
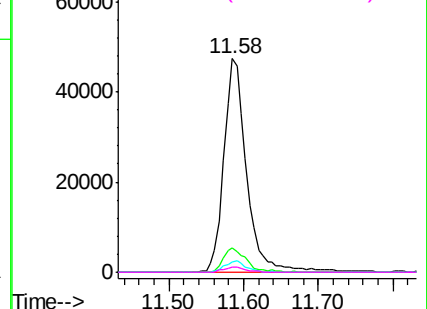
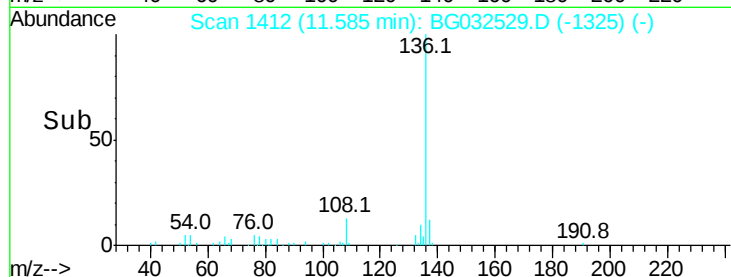


Abundance Ion 136.00 (135.70 to 136.70): E

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: 79.138 ng

RT: 9.90 min Scan# 1126

Delta R.T. -0.02 min

Lab File: BG032529.D

Acq: 3 Feb 2018 2:33

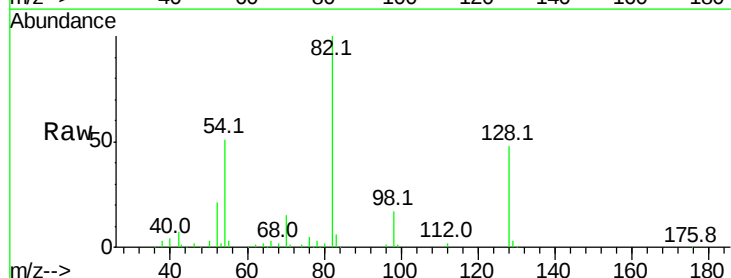
Tgt Ion: 82 Resp: 127137

Ion Ratio Lower Upper

82 100

128 48.1 29.7 44.5#

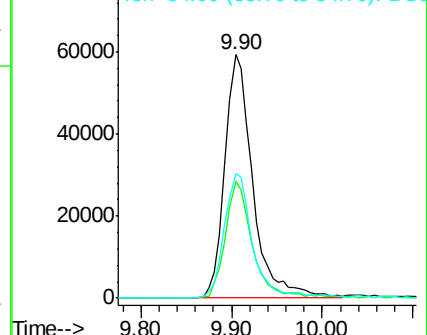
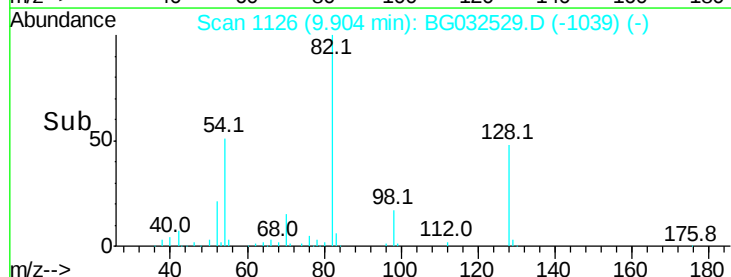
54 51.4 43.1 64.7

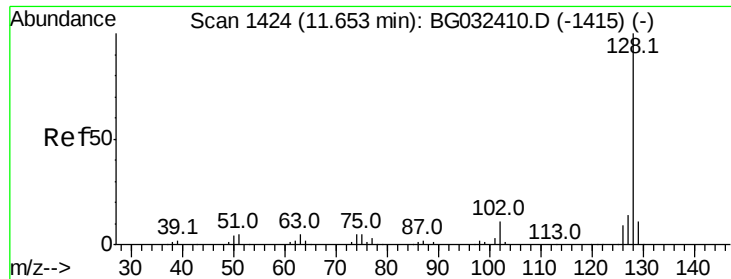


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

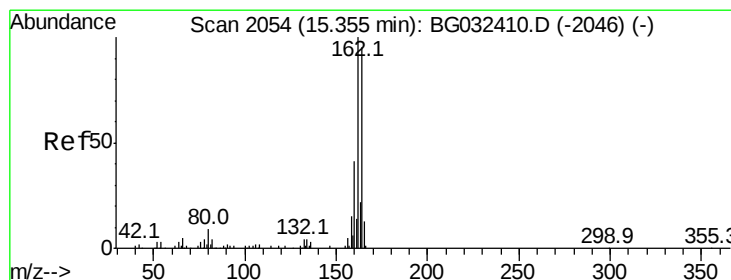
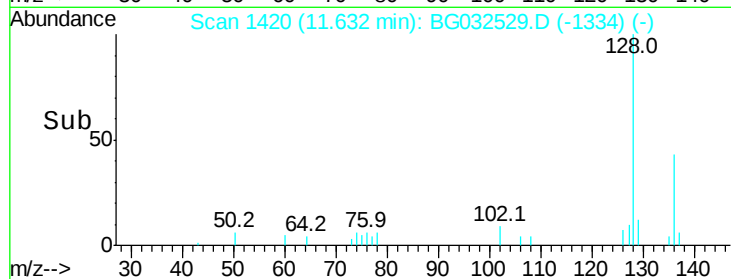
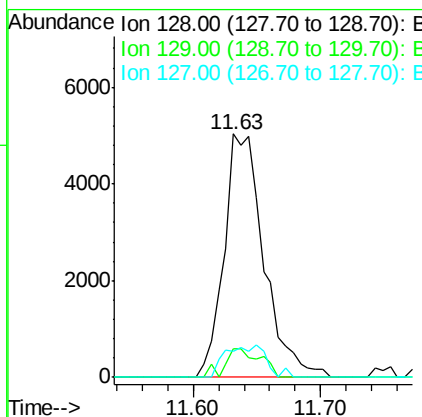
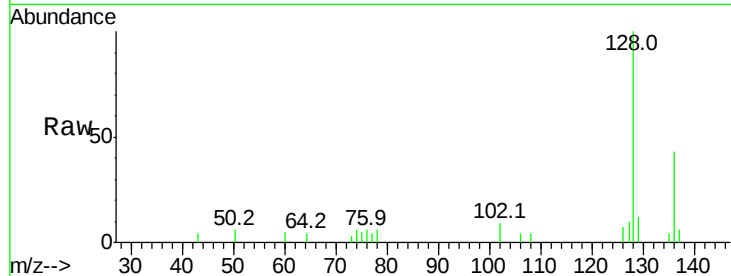




#31
Naphthalene
Concen: 2.228 ng
RT: 11.63 min Scan# 1420
Delta R.T. -0.02 min
Lab File: BG032529.D
Acq: 3 Feb 2018 2:33

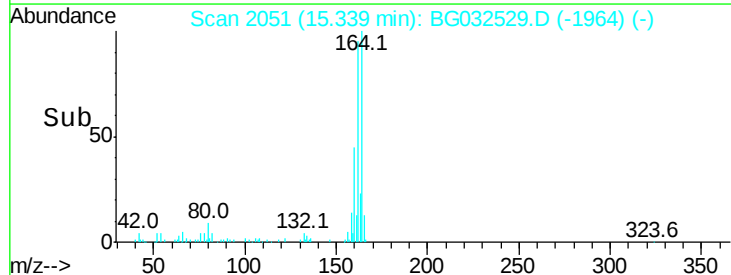
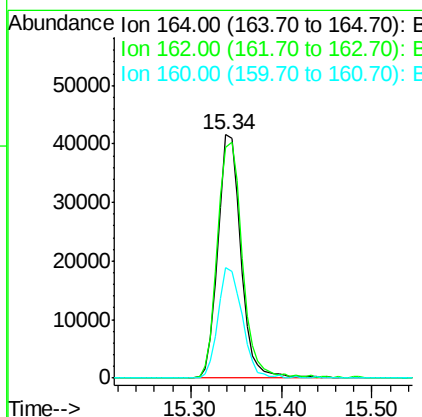
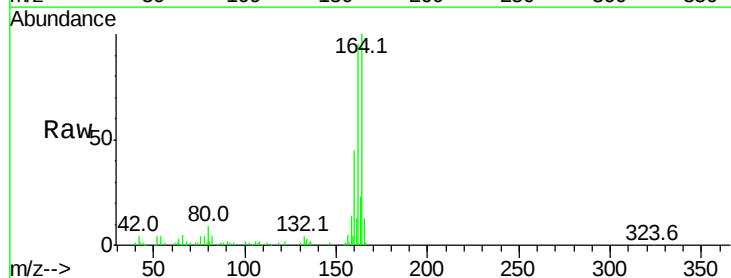
Instrument :
BNA_G
ClientSampleId :

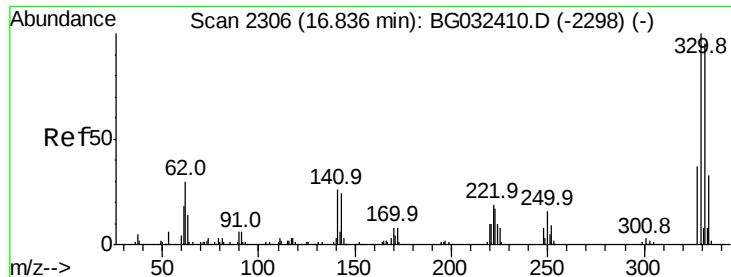
Tot Ion:128 Resp: 10921
Ion Ratio Lower Upper
128 100
129 11.7 8.6 12.8
127 10.4 11.6 17.4#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.34 min Scan# 2051
Delta R.T. -0.02 min
Lab File: BG032529.D
Acq: 3 Feb 2018 2:33

Tgt Ion:164 Resp: 72966
Ion Ratio Lower Upper
164 100
162 94.7 78.8 118.2
160 45.4 35.4 53.0

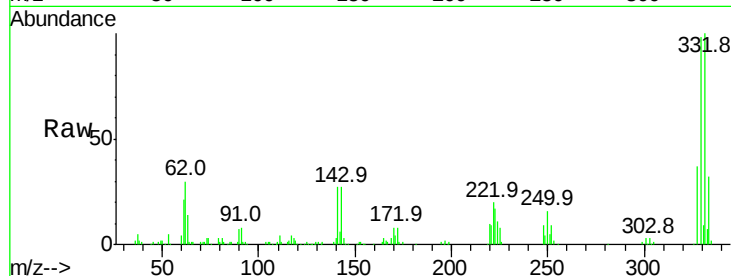




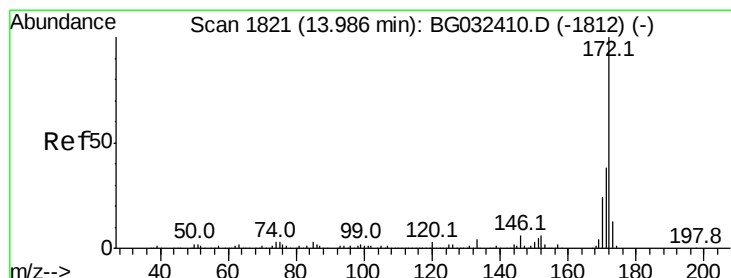
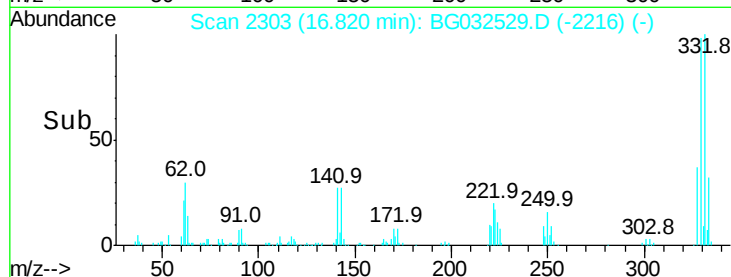
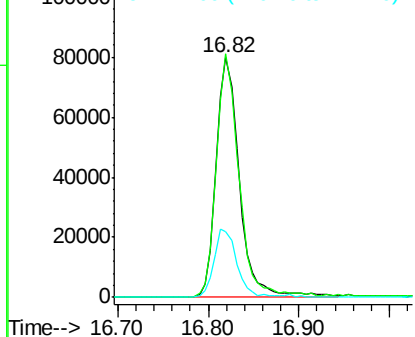
#41
 2,4,6-Tribromophenol
 Concen: 102.653 ng
 RT: 16.82 min Scan# 2303
 Delta R.T. -0.02 min
 Lab File: BG032529.D
 Acq: 3 Feb 2018 2:33

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 142575
 Ion Ratio Lower Upper
 330 100
 332 98.6 77.0 115.6
 141 27.9 25.2 37.8

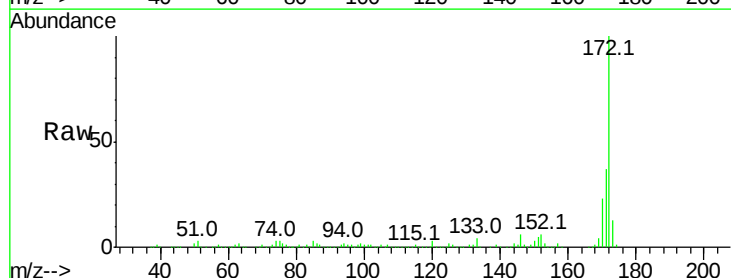


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

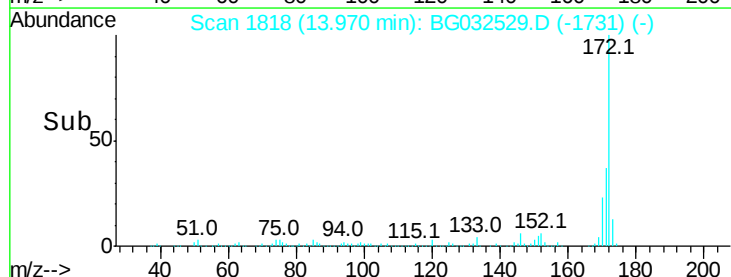
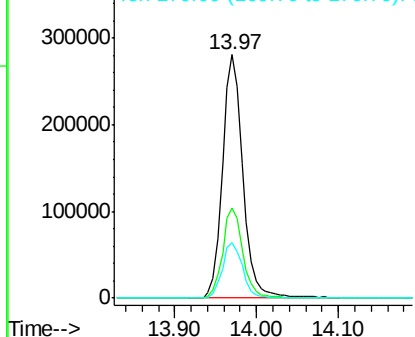


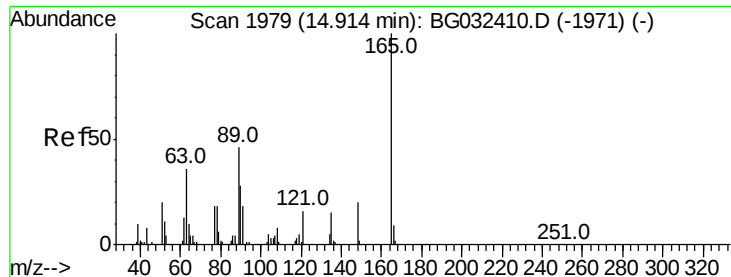
#44
 2-Fluorobiphenyl
 Concen: 79.306 ng
 RT: 13.97 min Scan# 1818
 Delta R.T. -0.02 min
 Lab File: BG032529.D
 Acq: 3 Feb 2018 2:33

Tgt Ion:172 Resp: 486861
 Ion Ratio Lower Upper
 172 100
 171 37.1 30.0 45.0
 170 22.9 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

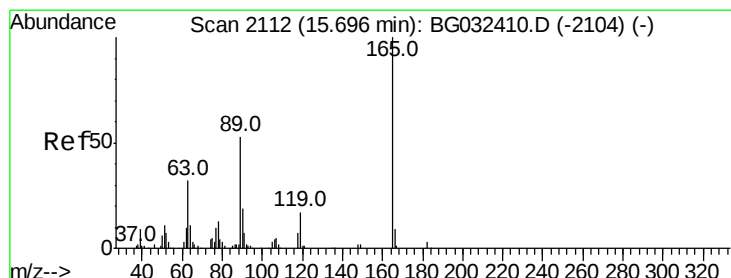
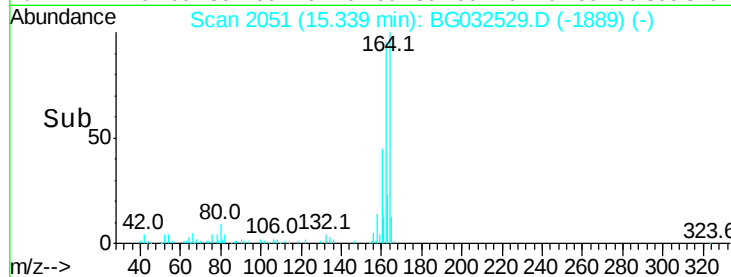
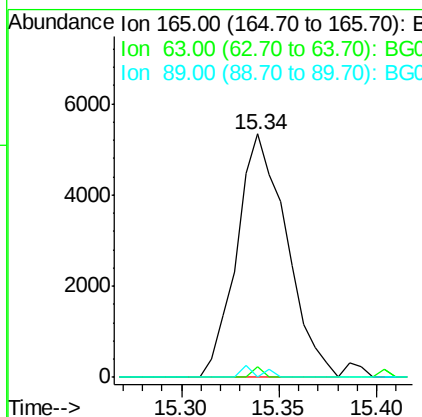
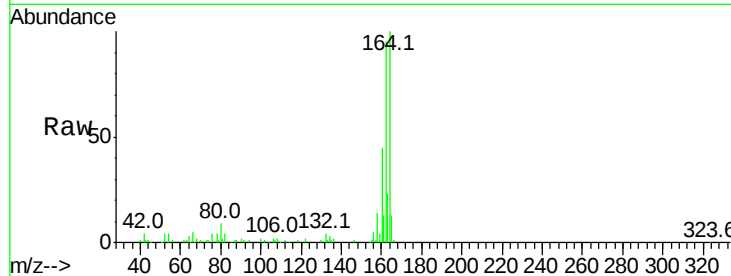




#50
2,6-Dinitrotoluene
Concen: 6.683 ng
RT: 15.34 min Scan# 2051
Delta R.T. 0.42 min
Lab File: BG032529.D
Acq: 3 Feb 2018 2:33

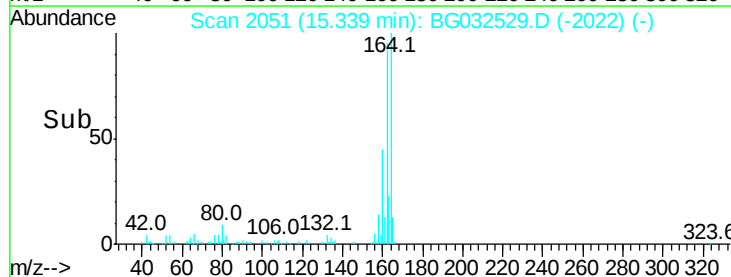
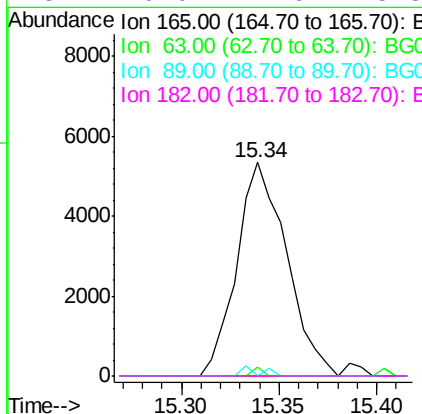
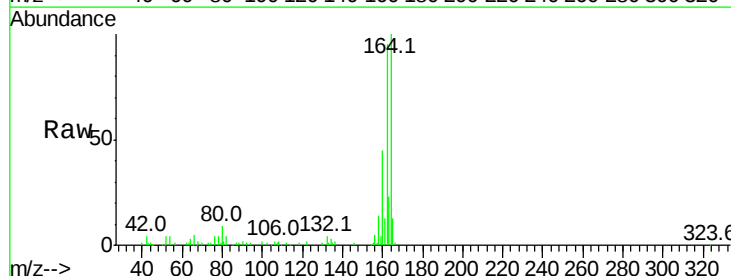
Instrument :
BNA_G
ClientSampleId :

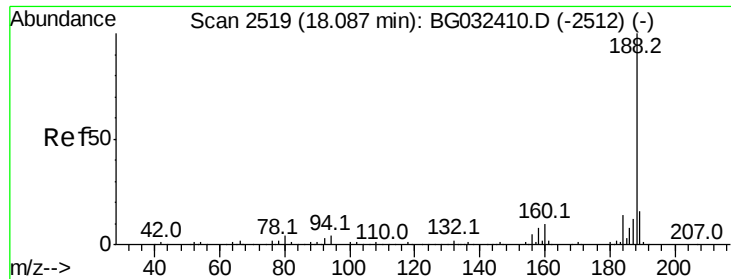
Tot Ion:165 Resp: 9437
Ion Ratio Lower Upper
165 100
63 4.3 52.7 79.1#
89 0.0 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 4.694 ng
RT: 15.34 min Scan# 2051
Delta R.T. -0.36 min
Lab File: BG032529.D
Acq: 3 Feb 2018 2:33

Tgt Ion:165 Resp: 9437
Ion Ratio Lower Upper
165 100
63 4.3 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#

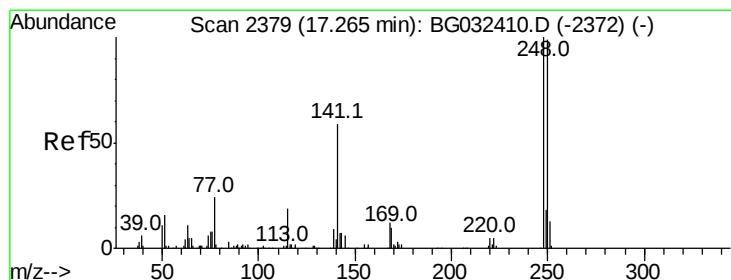
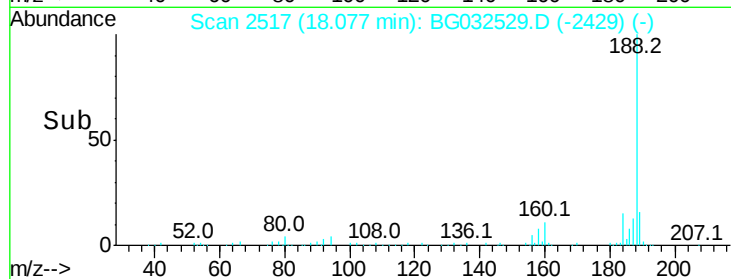
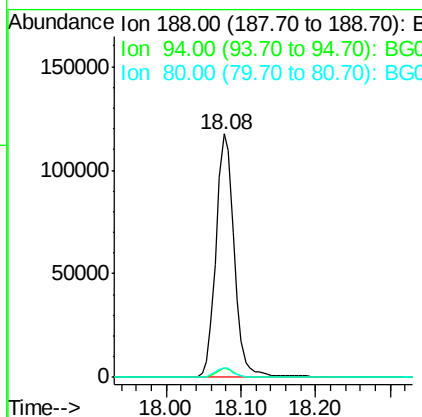
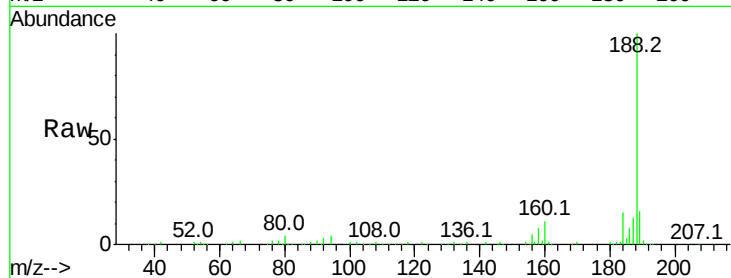




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.08 min Scan# 2517
 Delta R.T. -0.01 min
 Lab File: BG032529.D
 Acq: 3 Feb 2018 2:33

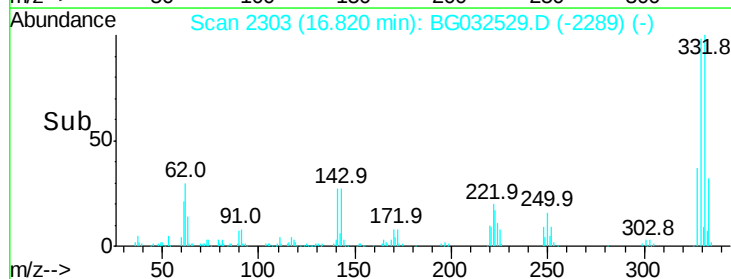
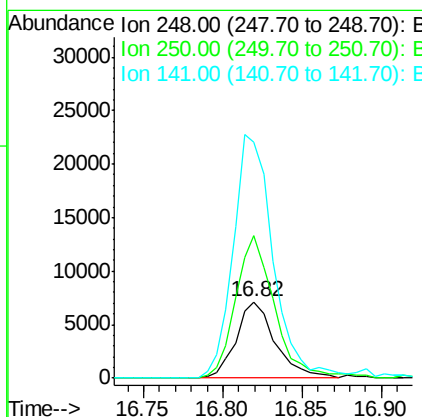
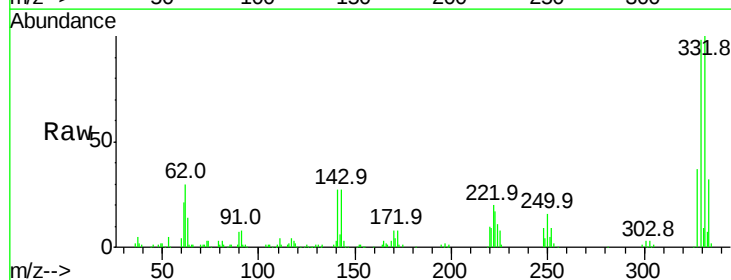
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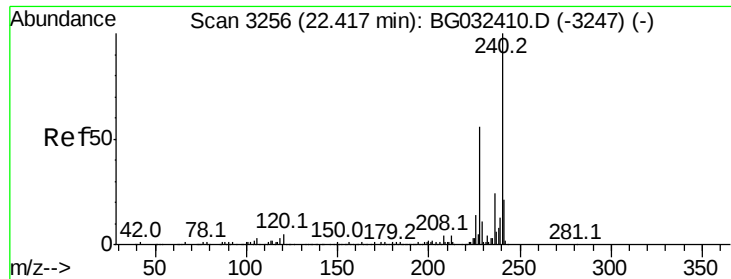
Tot Ion:188 Resp: 200018
 Ion Ratio Lower Upper
 188 100
 94 3.7 6.9 10.3#
 80 4.0 7.7 11.5#



#66
 4-Bromophenyl-phenylether
 Concen: 4.087 ng
 RT: 16.82 min Scan# 2303
 Delta R.T. -0.44 min
 Lab File: BG032529.D
 Acq: 3 Feb 2018 2:33

Tgt Ion:248 Resp: 12111
 Ion Ratio Lower Upper
 248 100
 250 185.6 77.1 115.7#
 141 307.8 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.41 min Scan# 3254

Delta R.T. -0.01 min

Lab File: BG032529.D

Acq: 3 Feb 2018 2:33

Instrument :

BNA_G

ClientSampleId :

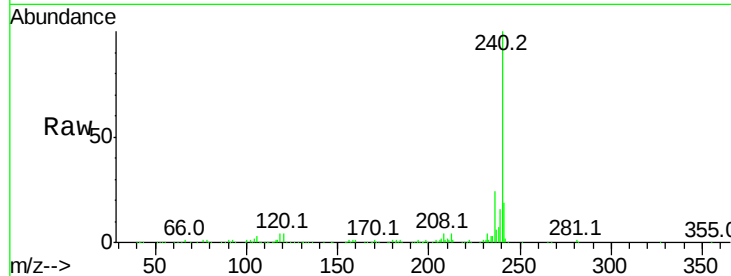
Tot Ion:240 Resp: 269082

Ion Ratio Lower Upper

240 100

120 3.9 6.8 10.2#

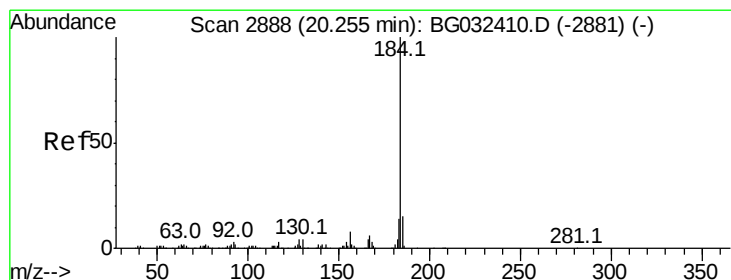
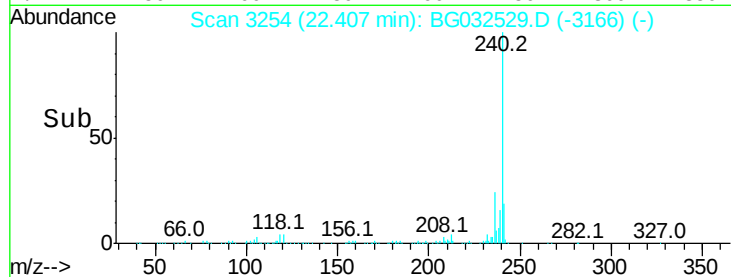
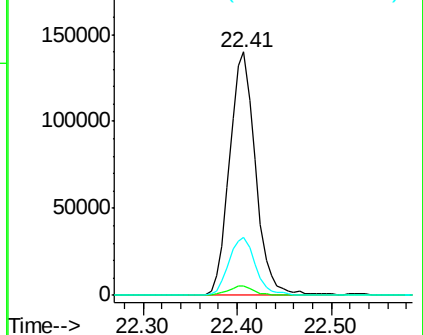
236 23.6 20.9 31.3



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: 3.132 ng

RT: 20.62 min Scan# 2949

Delta R.T. 0.36 min

Lab File: BG032529.D

Acq: 3 Feb 2018 2:33

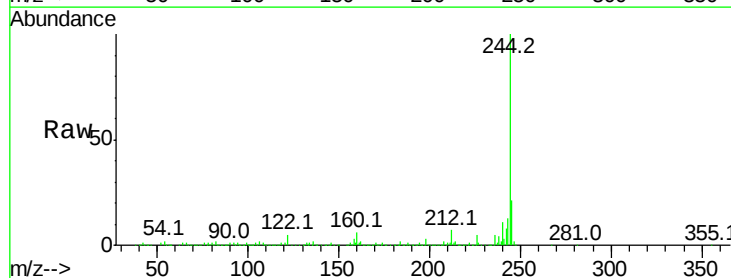
Tgt Ion:184 Resp: 16551

Ion Ratio Lower Upper

184 100

185 18.6 11.1 16.7#

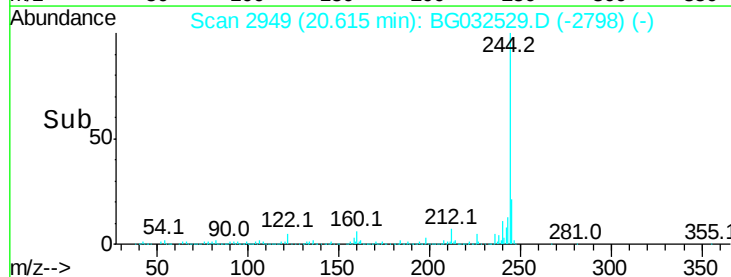
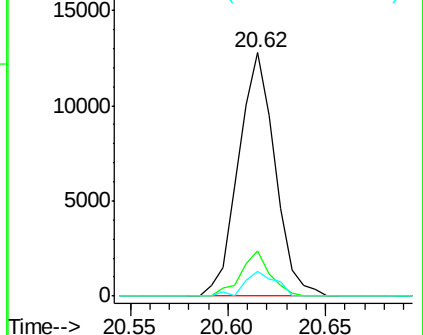
183 10.3 10.6 16.0#

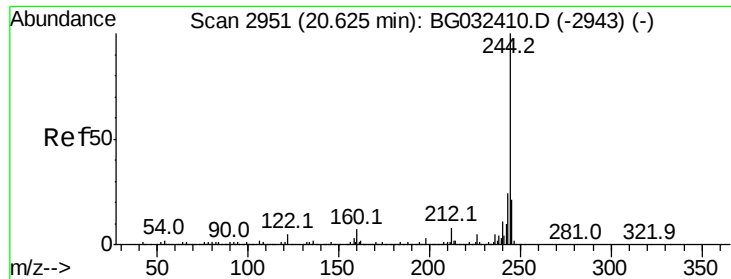


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

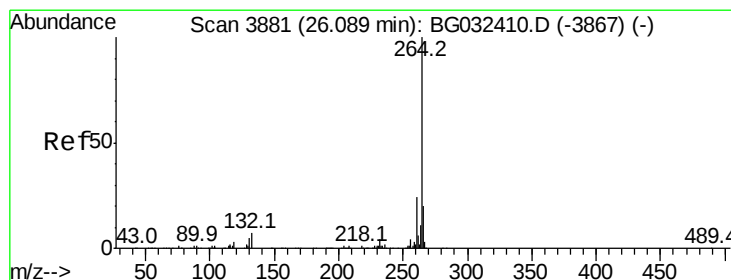
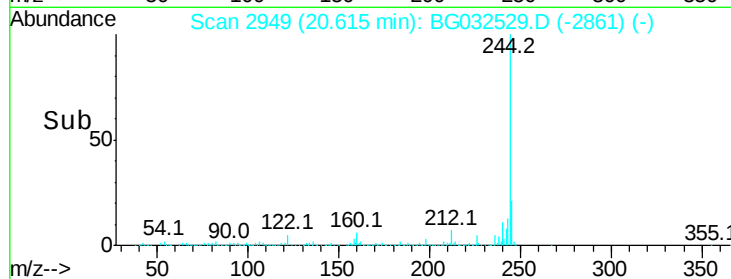
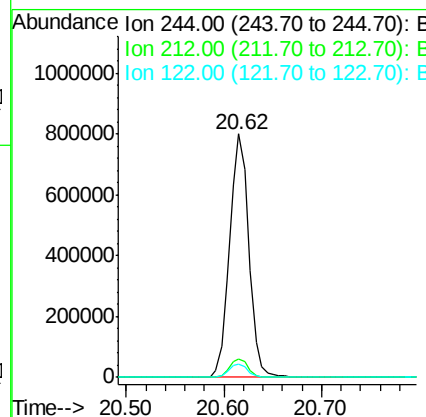
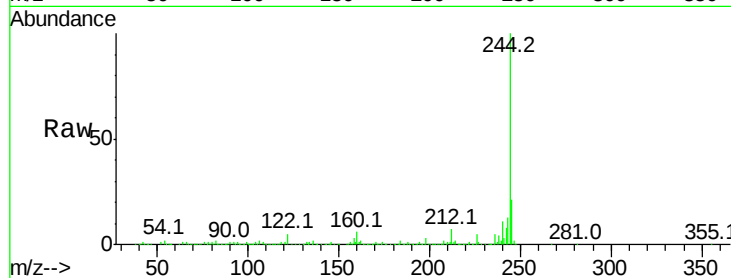




#78
 Terphenyl-d14
 Concen: 87.355 ng
 RT: 20.62 min Scan# 2949
 Delta R.T. -0.01 min
 Lab File: BG032529.D
 Acq: 3 Feb 2018 2:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1097322
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.8
 122 5.3 7.0 10.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.09 min Scan# 3880
 Delta R.T. -0.00 min
 Lab File: BG032529.D
 Acq: 3 Feb 2018 2:33

Tgt Ion:264 Resp: 270419
 Ion Ratio Lower Upper
 264 100
 260 24.5 17.4 26.0
 265 21.6 17.7 26.5

