

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041618\
 Data File : BG033829.D
 Acq On : 17 Apr 2018 00:24
 Operator : SJ/JU
 Sample : J2391-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 17 04:07:37 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 16 11:44:01 2018
 Response via : Initial Calibration

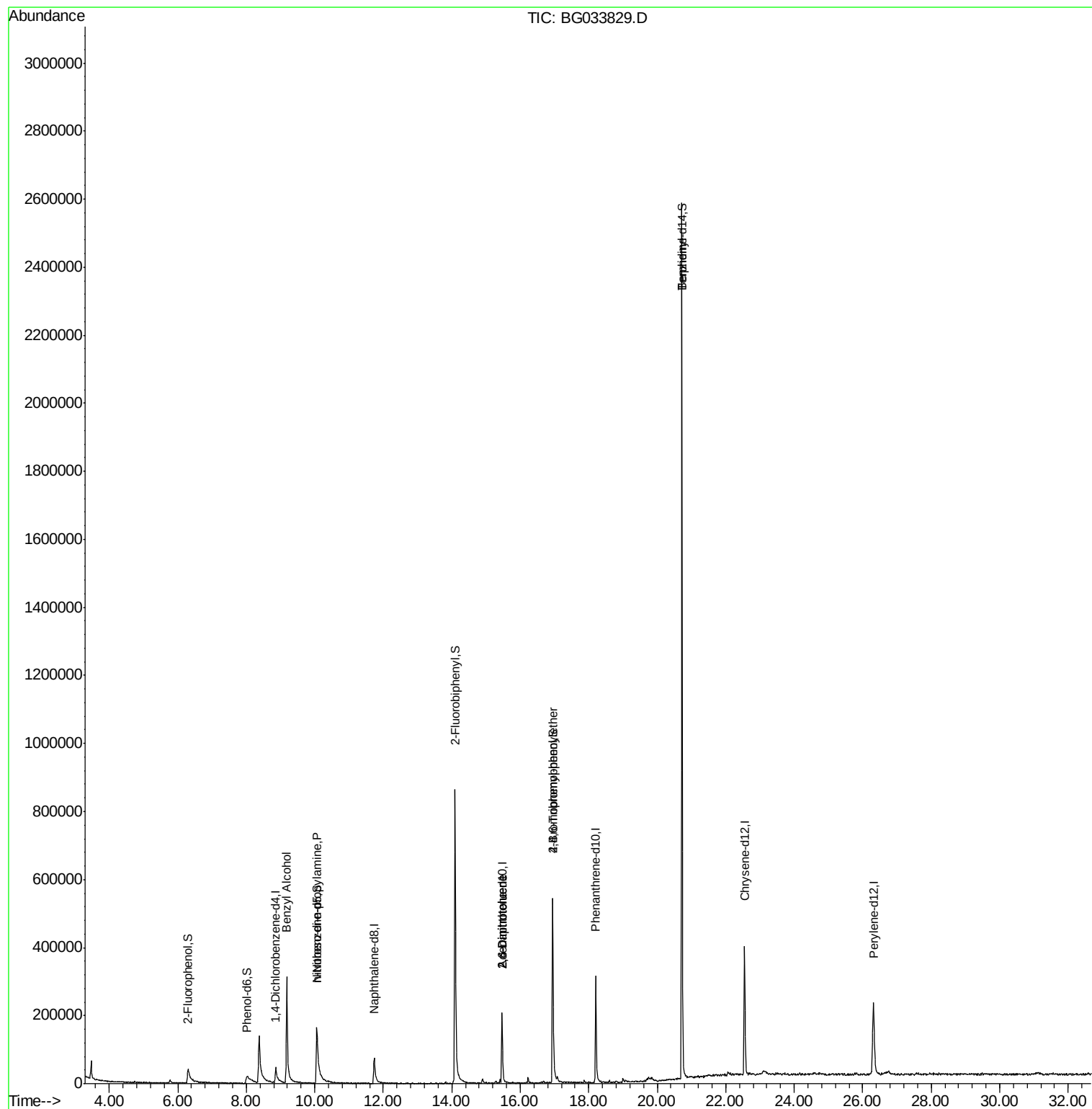
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	22430	20.00	ng	0.00
21) Naphthalene-d8	11.73	136	111460	20.00	ng	0.00
38) Acenaphthene-d10	15.47	164	92978	20.00	ng	0.00
63) Phenanthrene-d10	18.20	188	270170	20.00	ng	0.00
75) Chrysene-d12	22.55	240	292673	20.00	ng	0.00
86) Perylene-d12	26.32	264	308730	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.30	112	43113	36.04	ng	0.00
7) Phenol-d6	8.01	99	11749	5.72	ng	0.02
23) Nitrobenzene-d5	10.06	82	219185	90.35	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	140537	101.06	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	647203	100.49	ng	0.00
78) Terphenyl-d14	20.72	244	1375599	100.52	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.18	79	4119	2.545	ng	# 37
19) n-Nitroso-di-n-propylamine	10.06	70	27462	18.235	ng	# 76
50) 2,6-Dinitrotoluene	15.46	165	11719	7.083	ng	# 18
56) 2,4-Dinitrotoluene	15.46	165	11719	4.811	ng	# 16
66) 4-Bromophenyl-phenylether	16.94	248	10888	3.432	ng	# 1
76) Benzidine	20.72	184	22567	2.843	ng	# 93

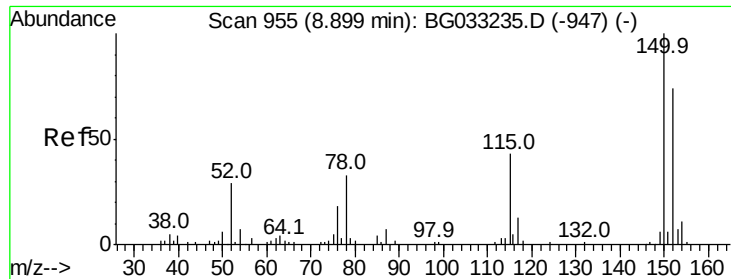
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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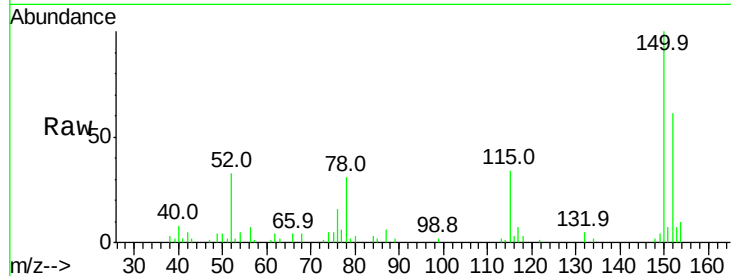


#1

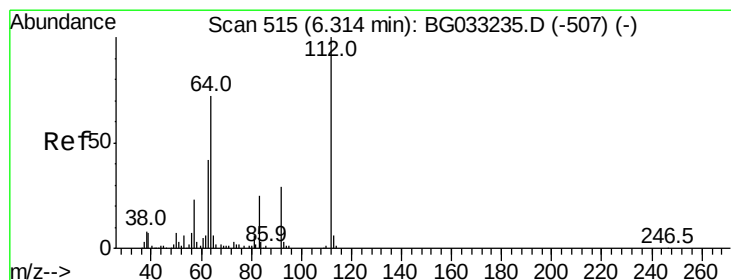
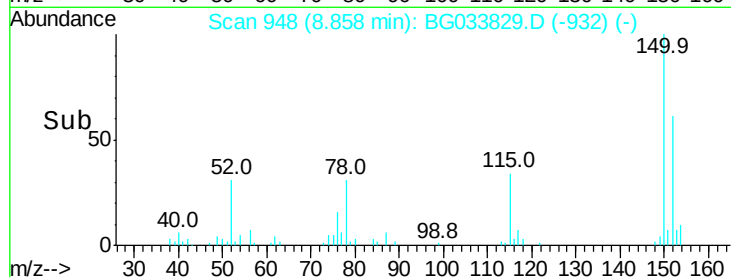
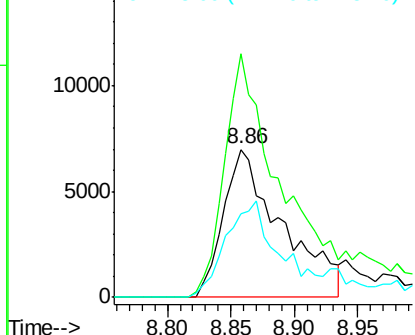
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 948
Delta R.T. -0.01 min
Lab File: BG033829.D
Acq: 17 Apr 2018 00:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 22430
Ion Ratio Lower Upper
152 100
150 165.0 126.6 189.8
115 56.8 53.0 79.4



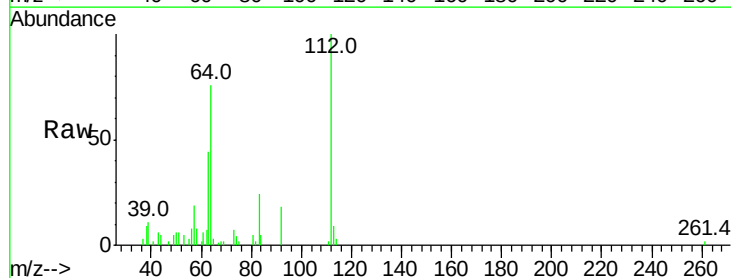
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



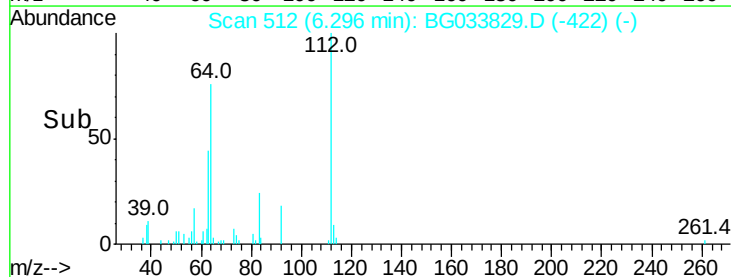
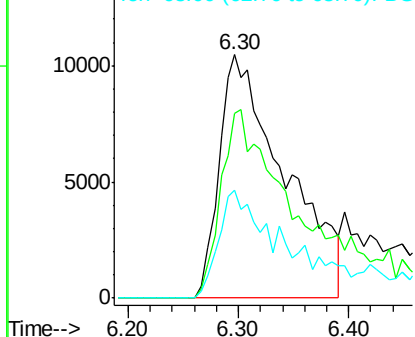
#5

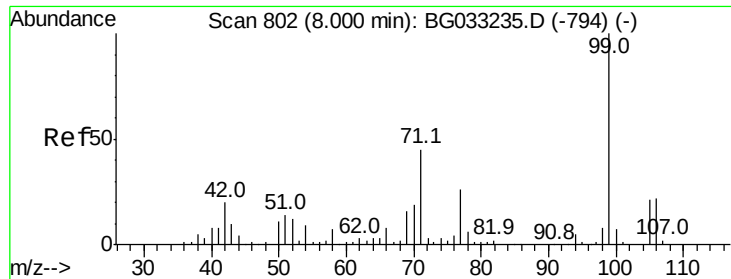
2-Fluorophenol
Concen: 36.042 ng
RT: 6.30 min Scan# 512
Delta R.T. -0.00 min
Lab File: BG033829.D
Acq: 17 Apr 2018 00:24

Tgt Ion:112 Resp: 43113
Ion Ratio Lower Upper
112 100
64 76.0 56.3 84.5
63 44.3 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 5.716 ng

RT: 8.01 min Scan# 804

Delta R.T. 0.02 min

Lab File: BG033829.D

Acq: 17 Apr 2018 00:24

Instrument :

BNA_G

ClientSampleId :

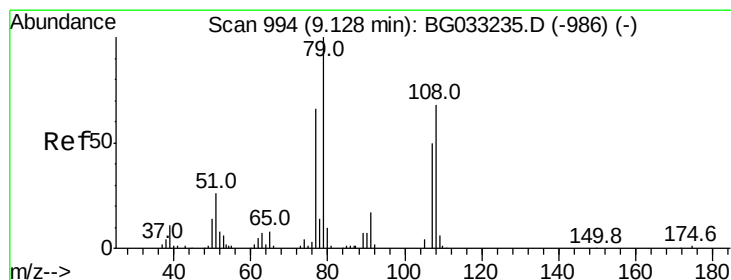
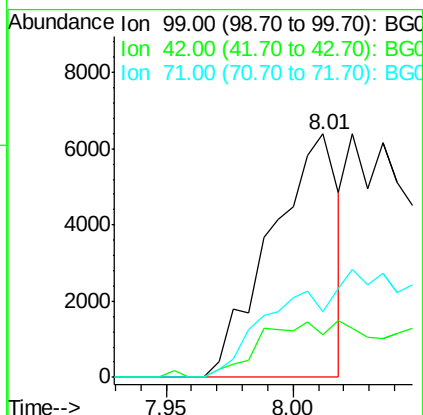
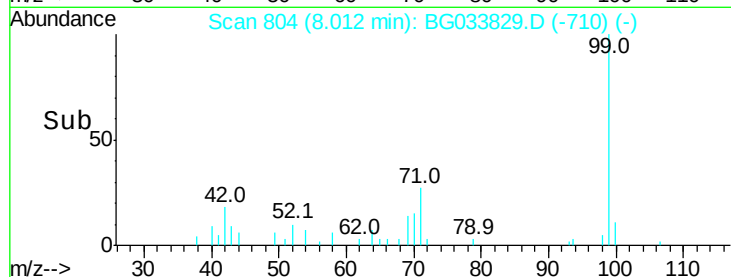
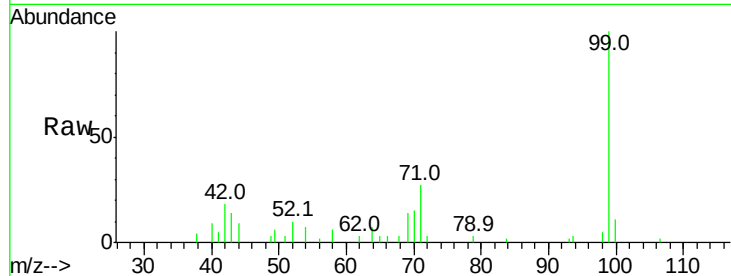
Tot Ion: 99 Resp: 11749

Ion Ratio Lower Upper

99 100

42 17.5 14.1 21.1

71 26.9 26.1 39.1



#15

Benzyl Alcohol

Concen: 2.545 ng

RT: 9.18 min Scan# 1003

Delta R.T. 0.07 min

Lab File: BG033829.D

Acq: 17 Apr 2018 00:24

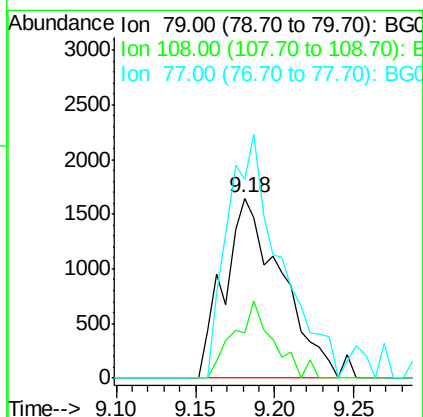
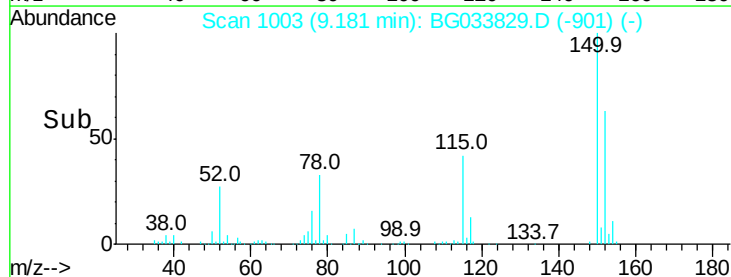
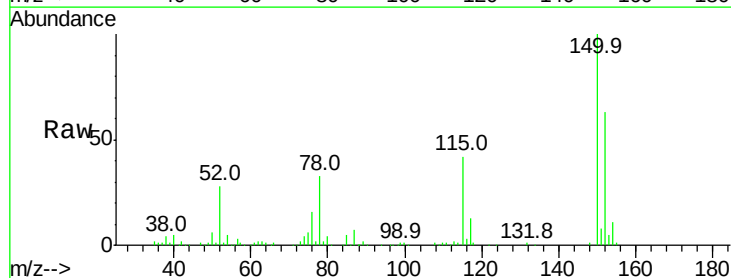
Tgt Ion: 79 Resp: 4119

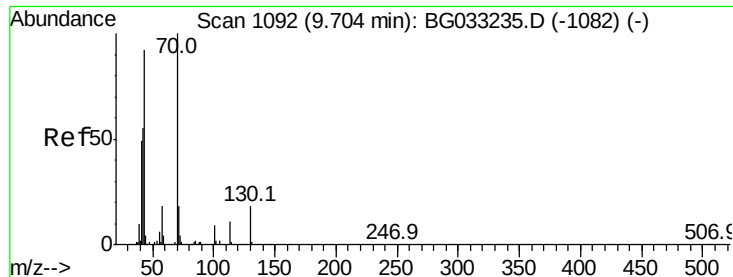
Ion Ratio Lower Upper

79 100

108 25.1 57.2 85.8#

77 110.7 46.1 69.1#





#19

n-Nitroso-di-n-propylamine

Concen: 18.235 ng

RT: 10.06 min Scan# 1153

Delta R.T. 0.41 min

Lab File: BG033829.D

Acq: 17 Apr 2018 00:24

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 27462

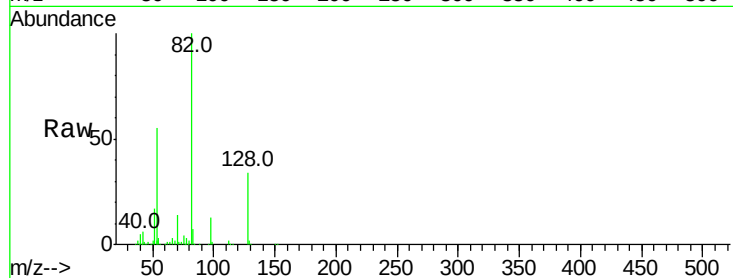
Ion Ratio Lower Upper

70 100

42 45.0 49.1 73.7#

101 0.0 8.5 12.7#

130 3.3 13.4 20.0#



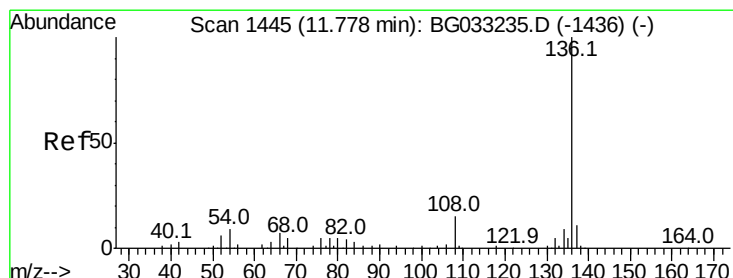
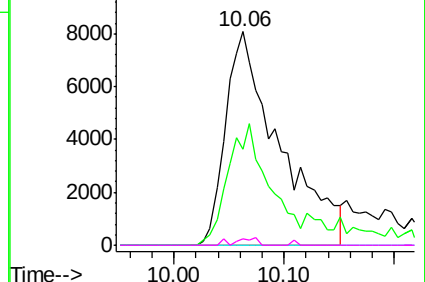
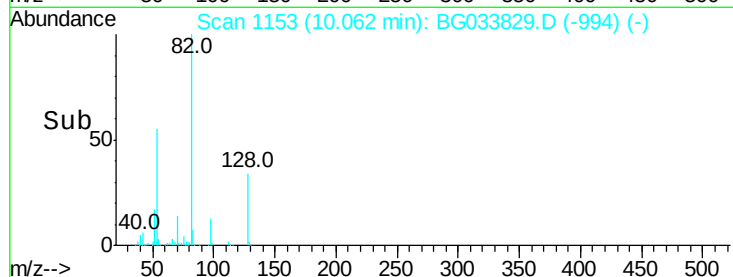
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.73 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BG033829.D

Acq: 17 Apr 2018 00:24

Tgt Ion: 136 Resp: 111460

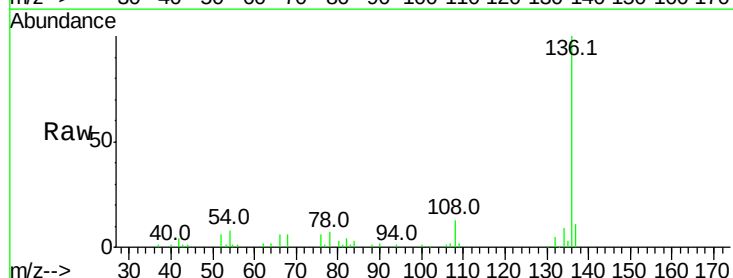
Ion Ratio Lower Upper

136 100

137 11.2 9.2 13.8

54 8.0 10.3 15.5#

68 5.6 4.5 6.7



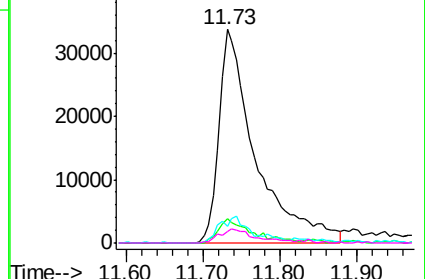
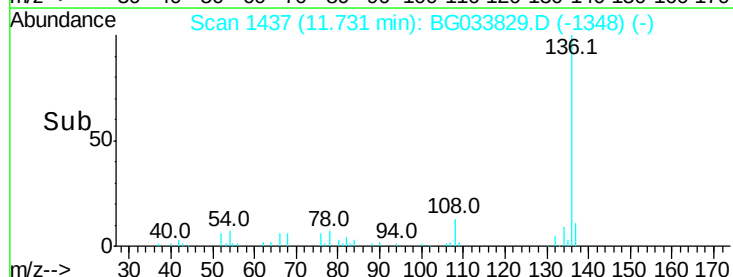
Abundance Ion 136.00 (135.70 to 136.70): BGC

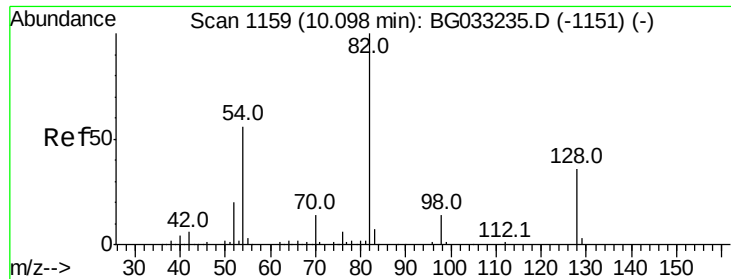
Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

Time-->





#23

Nitrobenzene-d5

Concen: 90.349 ng

RT: 10.06 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BG033829.D

Acq: 17 Apr 2018 00:24

Instrument :

BNA_G

ClientSampleId :

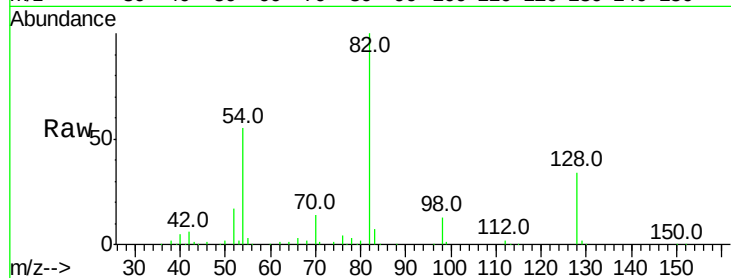
Tot Ion: 82 Resp: 219185

Ion Ratio Lower Upper

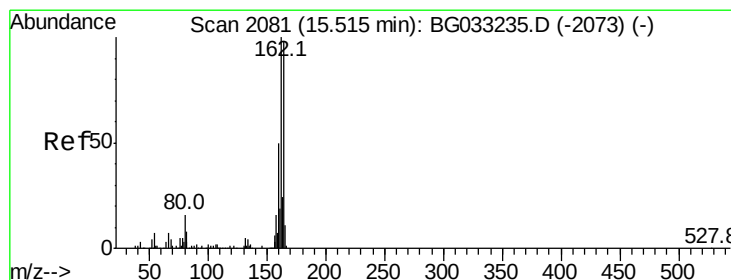
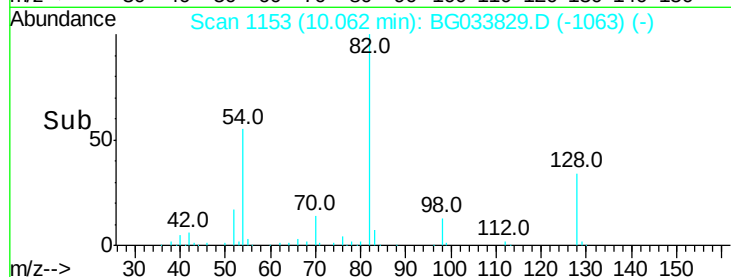
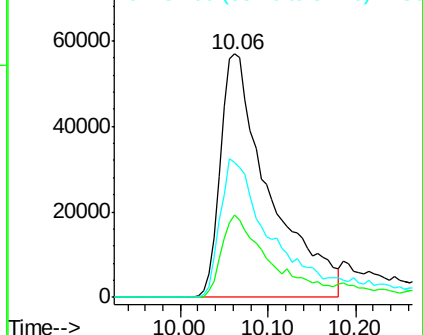
82 100

128 33.6 29.7 44.5

54 55.4 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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.47 min Scan# 2073

Delta R.T. -0.01 min

Lab File: BG033829.D

Acq: 17 Apr 2018 00:24

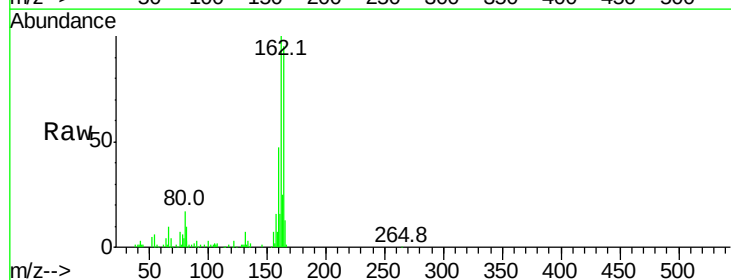
Tgt Ion:164 Resp: 92978

Ion Ratio Lower Upper

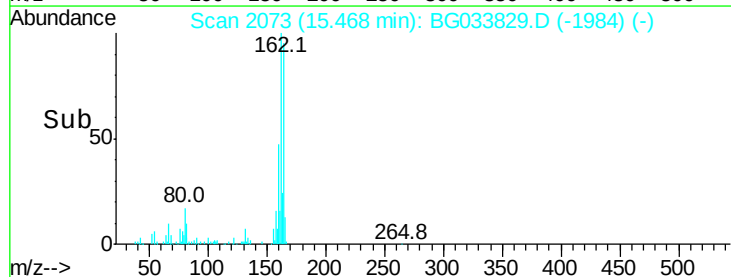
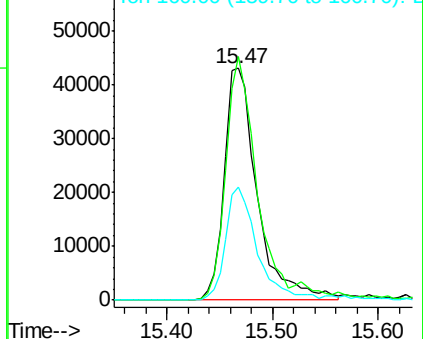
164 100

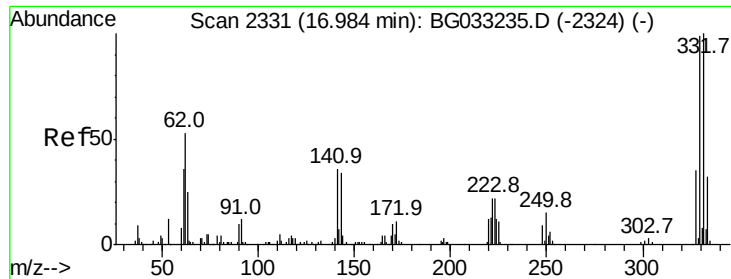
162 105.0 78.8 118.2

160 48.9 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

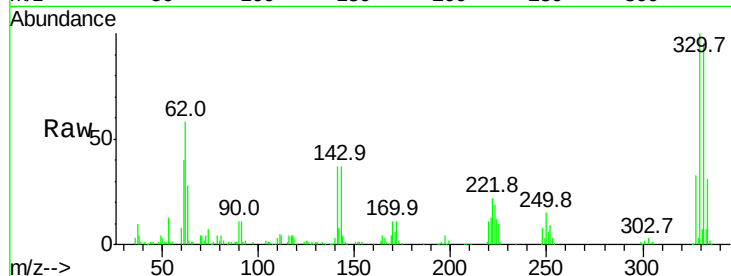




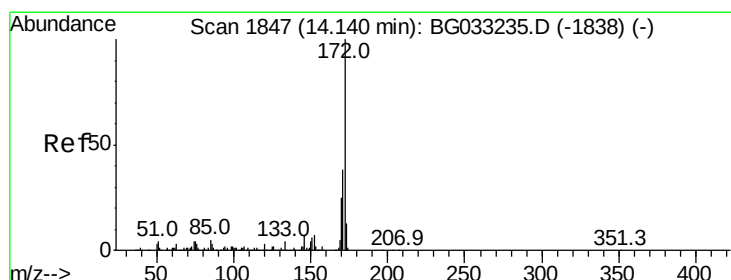
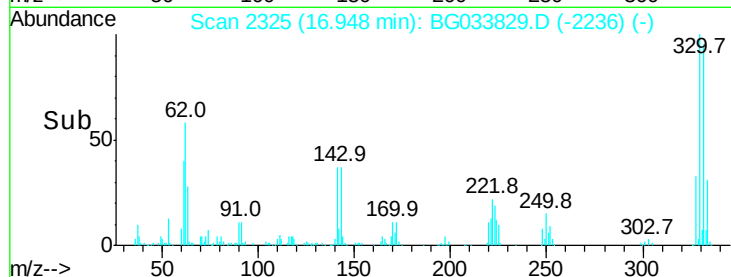
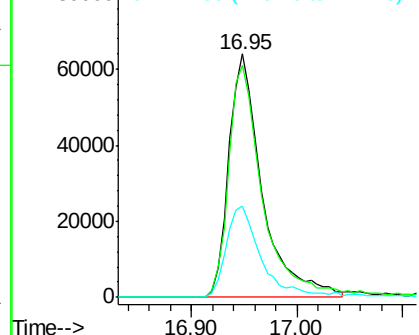
#41
 2,4,6-Tribromophenol
 Concen: 101.063 ng
 RT: 16.95 min Scan# 2325
 Delta R.T. -0.01 min
 Lab File: BG033829.D
 Acq: 17 Apr 2018 00:24

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 140537
 Ion Ratio Lower Upper
 330 100
 332 97.9 77.0 115.6
 141 40.0 25.2 37.8#

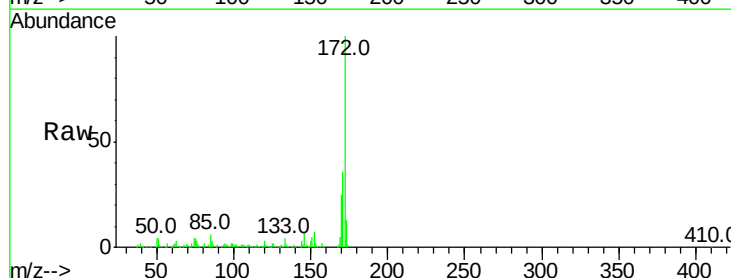


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

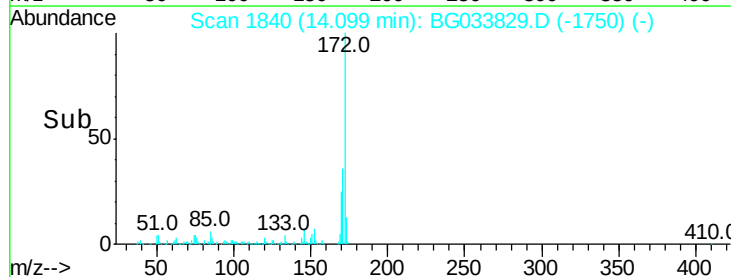
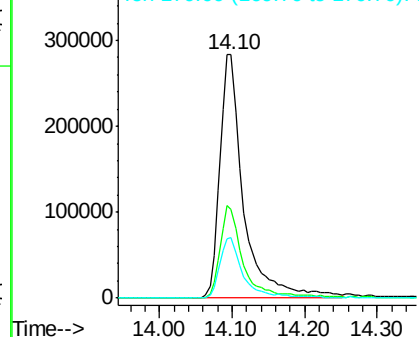


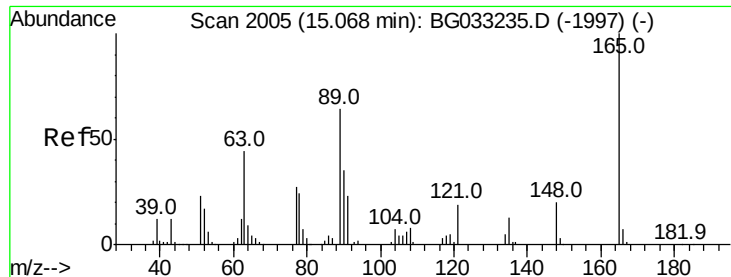
#44
 2-Fluorobiphenyl
 Concen: 100.489 ng
 RT: 14.10 min Scan# 1840
 Delta R.T. -0.00 min
 Lab File: BG033829.D
 Acq: 17 Apr 2018 00:24

Tgt Ion:172 Resp: 647203
 Ion Ratio Lower Upper
 172 100
 171 36.4 30.0 45.0
 170 24.8 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

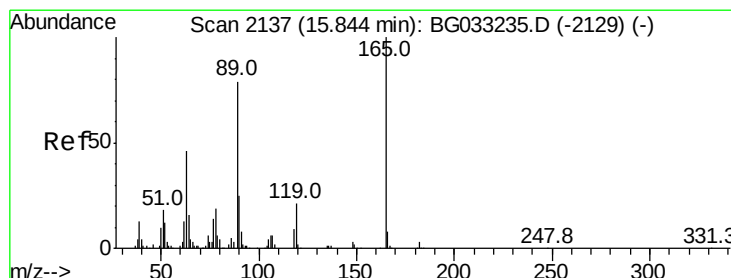
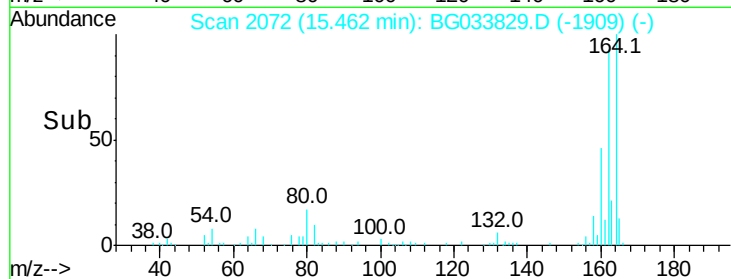
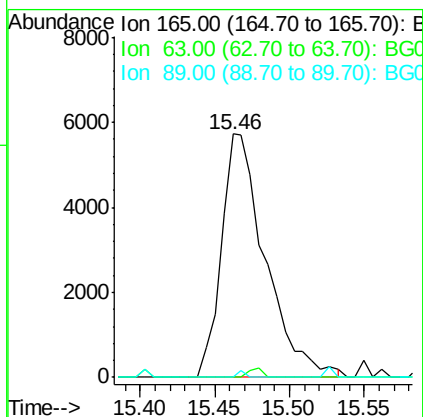
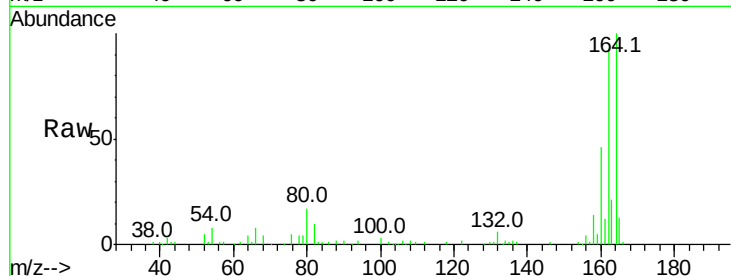




#50
 2,6-Dinitrotoluene
 Concen: 7.083 ng
 RT: 15.46 min Scan# 2072
 Delta R.T. 0.43 min
 Lab File: BG033829.D
 Acq: 17 Apr 2018 00:24

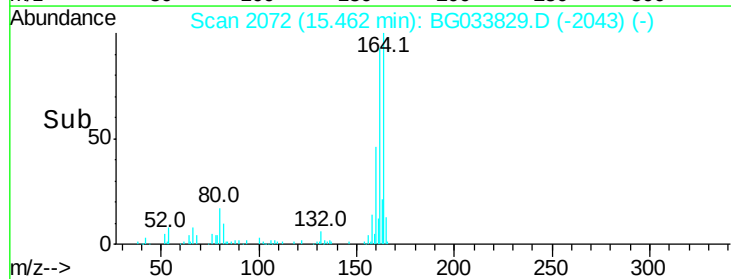
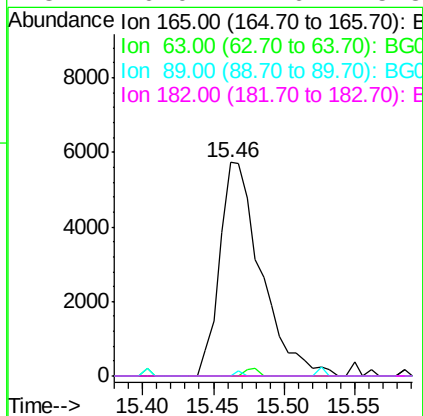
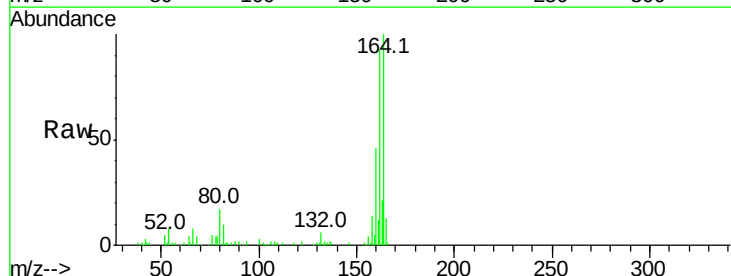
Instrument :
 BNA_G
 ClientSampleId :

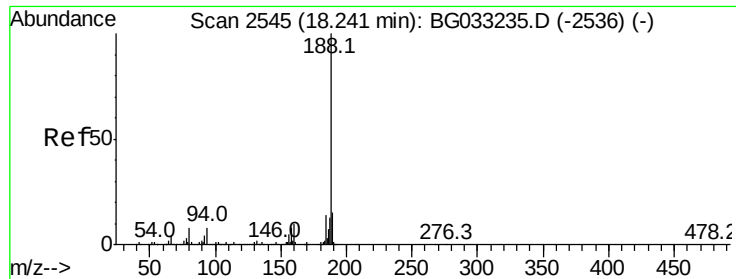
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 4.811 ng
 RT: 15.46 min Scan# 2072
 Delta R.T. -0.36 min
 Lab File: BG033829.D
 Acq: 17 Apr 2018 00:24

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

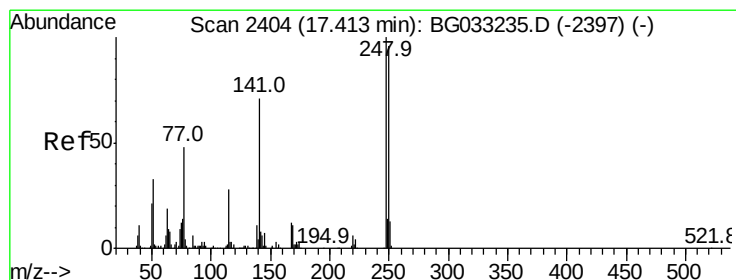
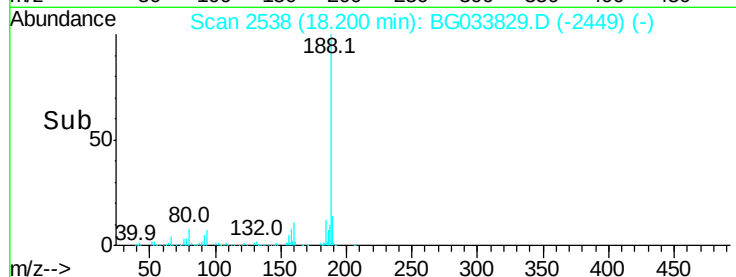
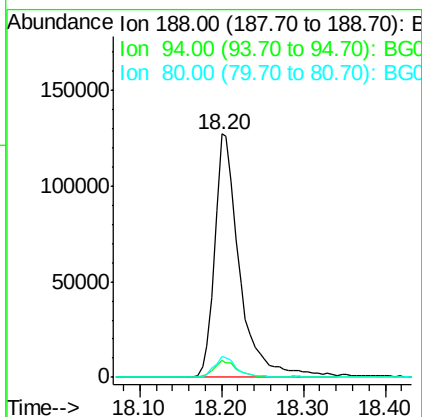
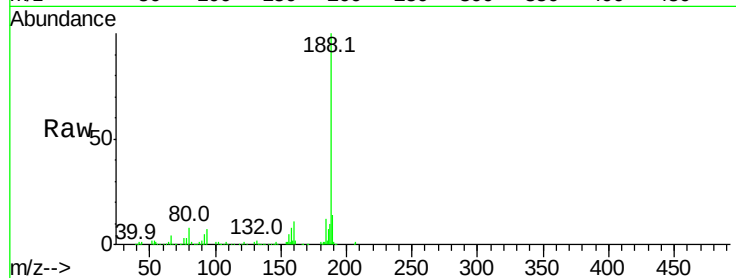




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.20 min Scan# 2538
 Delta R.T. -0.01 min
 Lab File: BG033829.D
 Acq: 17 Apr 2018 00:24

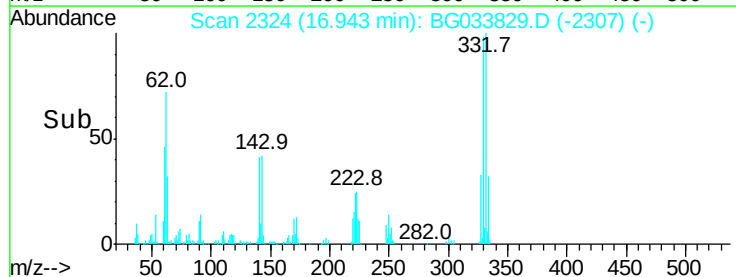
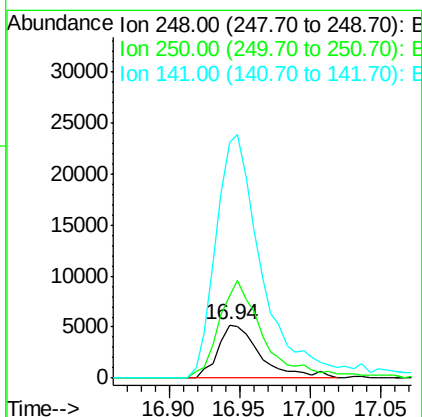
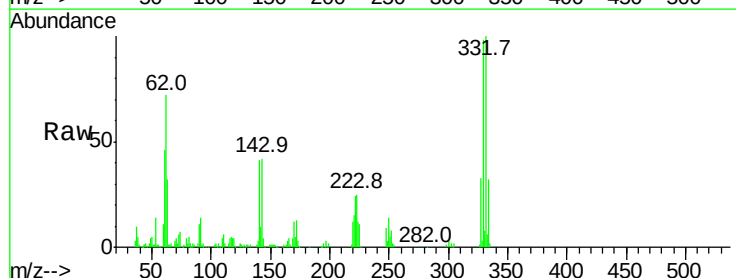
Instrument :
 BNA_G
 ClientSampleId :

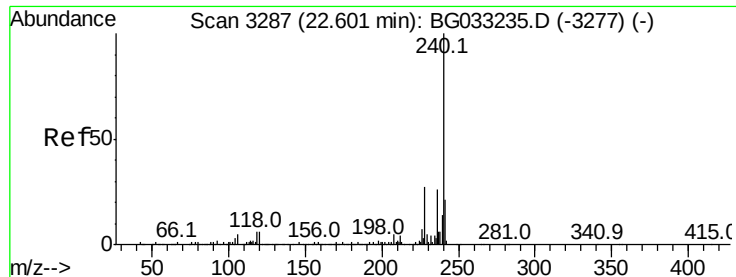
Tot Ion:188 Resp: 270170
 Ion Ratio Lower Upper
 188 100
 94 6.8 6.9 10.3#
 80 8.5 7.7 11.5



#66
 4-Bromophenyl-phenylether
 Concen: 3.432 ng
 RT: 16.94 min Scan# 2324
 Delta R.T. -0.43 min
 Lab File: BG033829.D
 Acq: 17 Apr 2018 00:24

Tgt Ion:248 Resp: 10888
 Ion Ratio Lower Upper
 248 100
 250 156.7 77.1 115.7#
 141 445.5 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.55 min Scan# 3278

Delta R.T. -0.01 min

Lab File: BG033829.D

Acq: 17 Apr 2018 00:24

Instrument :

BNA_G

ClientSampleId :

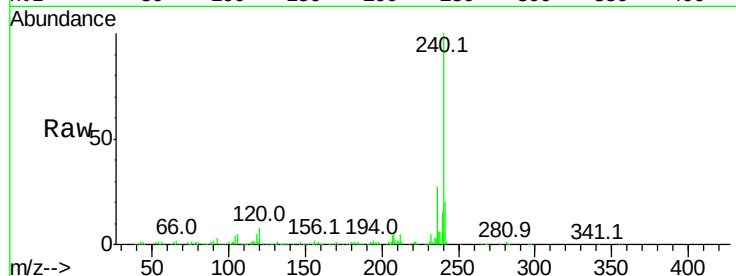
Tot Ion:240 Resp: 292673

Ion Ratio Lower Upper

240 100

120 8.0 6.8 10.2

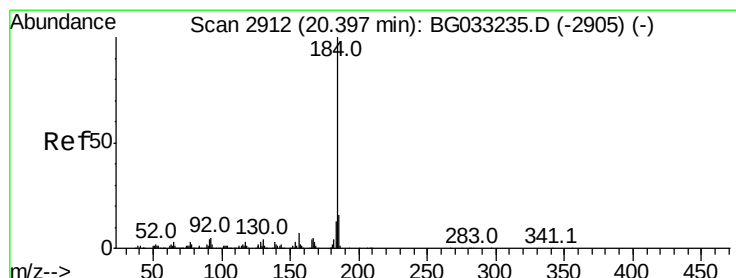
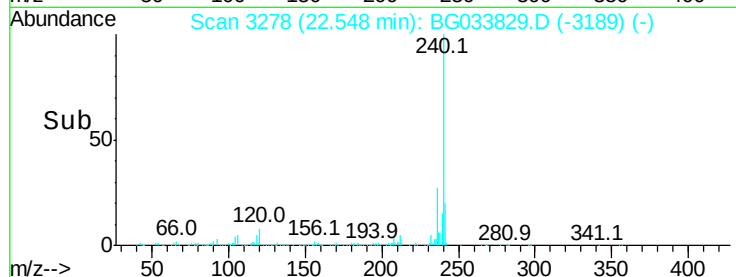
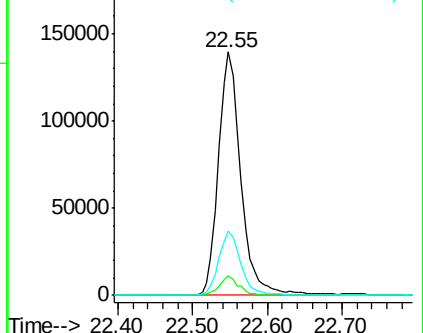
236 26.6 20.9 31.3



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: 2.843 ng

RT: 20.72 min Scan# 2967

Delta R.T. 0.35 min

Lab File: BG033829.D

Acq: 17 Apr 2018 00:24

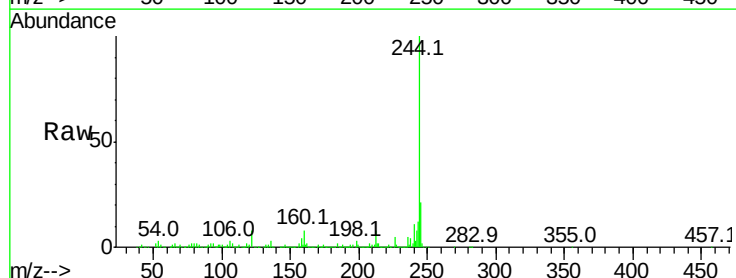
Tgt Ion:184 Resp: 22567

Ion Ratio Lower Upper

184 100

185 15.8 11.1 16.7

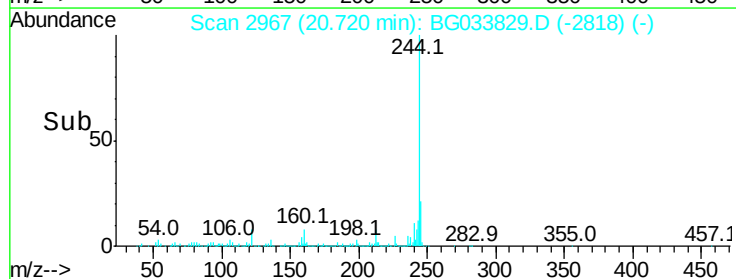
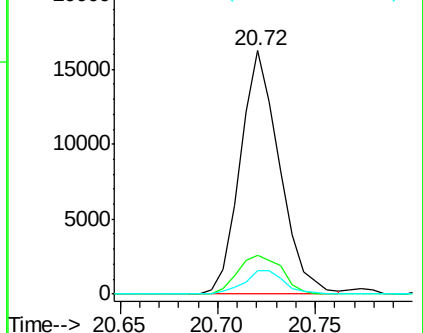
183 9.5 10.6 16.0#

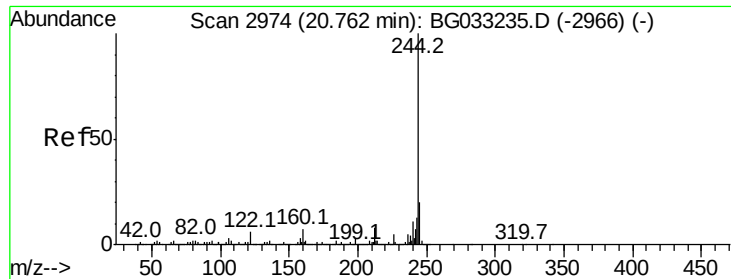


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 100.517 ng

RT: 20.72 min Scan# 2967

Delta R.T. -0.01 min

Lab File: BG033829.D

Acq: 17 Apr 2018 00:24

Instrument :

BNA_G

ClientSampleId :

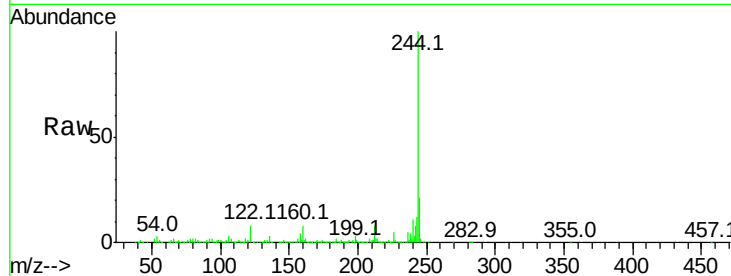
Tot Ion:244 Resp: 1375599

Ion Ratio Lower Upper

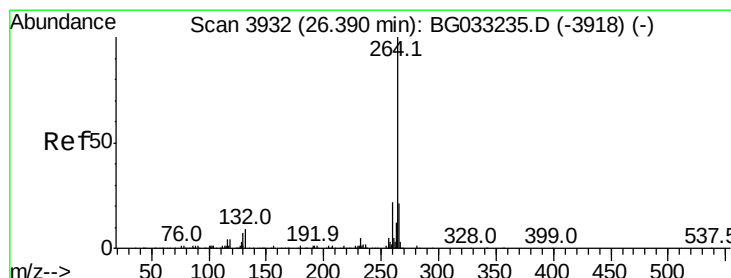
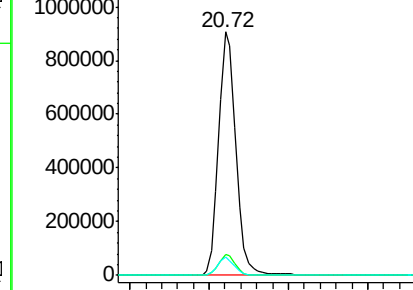
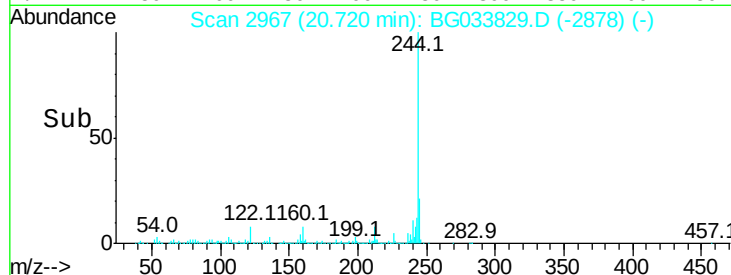
244 100

212 8.3 5.8 8.8

122 7.7 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: 26.32 min Scan# 3920

Delta R.T. -0.01 min

Lab File: BG033829.D

Acq: 17 Apr 2018 00:24

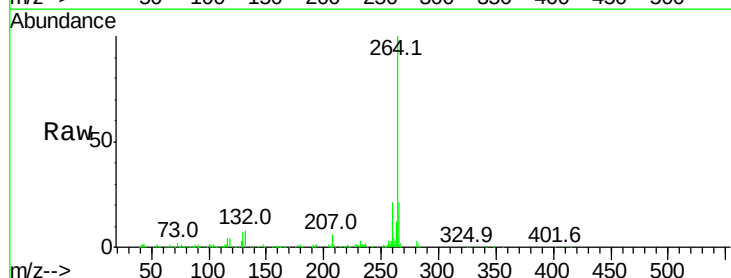
Tgt Ion:264 Resp: 308730

Ion Ratio Lower Upper

264 100

260 21.0 17.4 26.0

265 20.8 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

