

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032618\
 Data File : BG033347.D
 Acq On : 27 Mar 2018 2:10
 Operator : SJ/JU
 Sample : J1748-10
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 27 07:52:04 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 15:11:46 2018
 Response via : Initial Calibration

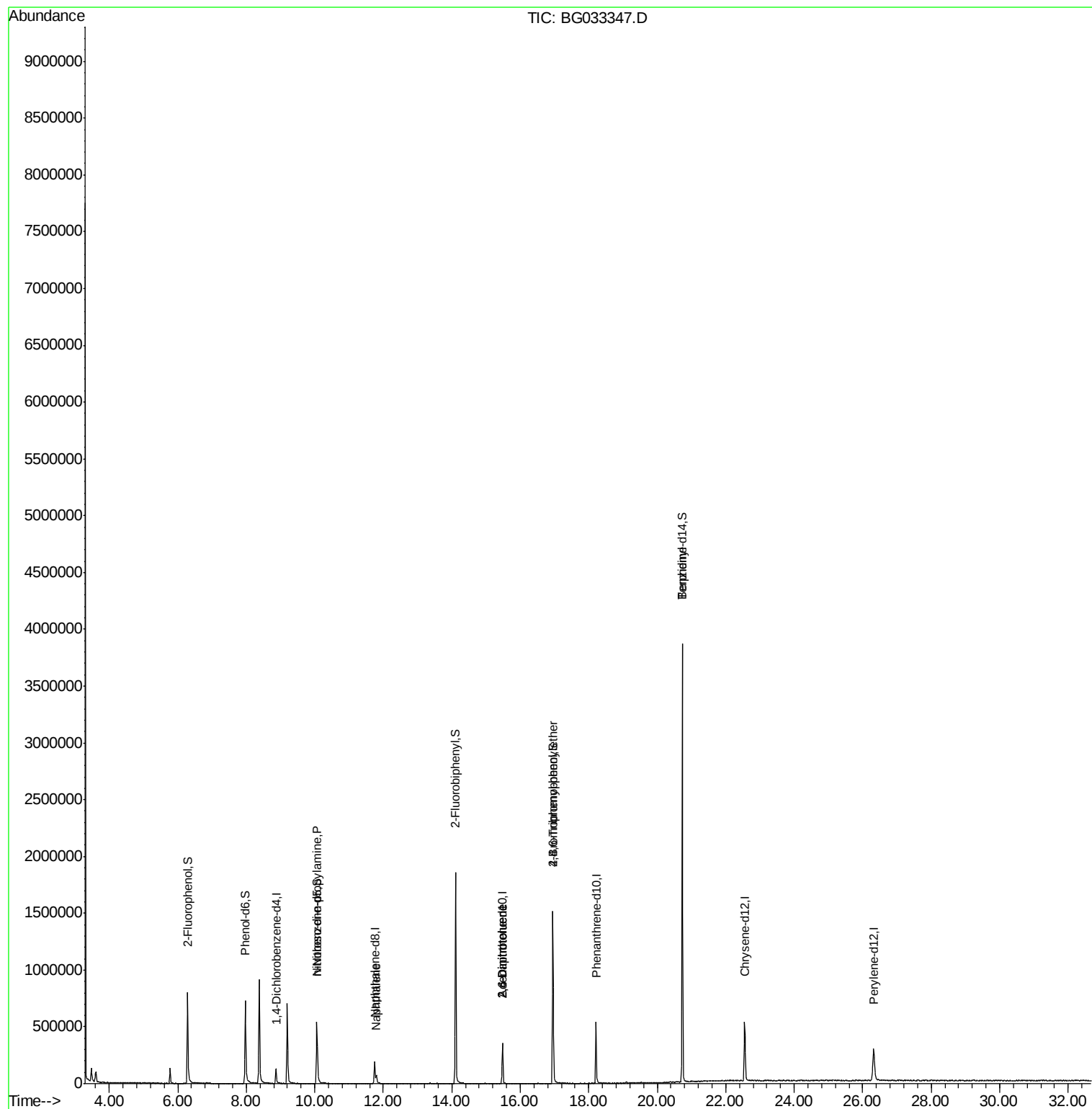
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	46044	20.00	ng	-0.03
21) Naphthalene-d8	11.75	136	187328	20.00	ng	-0.03
38) Acenaphthene-d10	15.48	164	143576	20.00	ng	-0.03
63) Phenanthrene-d10	18.21	188	382410	20.00	ng	-0.03
75) Chrysene-d12	22.55	240	395444	20.00	ng	-0.04
86) Perylene-d12	26.32	264	428308	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	403228	164.21	ng	-0.02
7) Phenol-d6	7.97	99	534862	126.77	ng	-0.03
23) Nitrobenzene-d5	10.07	82	436182	106.98	ng	-0.03
41) 2,4,6-Tribromophenol	16.95	330	321429	149.69	ng	-0.03
44) 2-Fluorobiphenyl	14.11	172	1031193	103.68	ng	-0.03
78) Terphenyl-d14	20.73	244	1893414	102.40	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.06	70	58713	18.991	ng	# 76
31) Naphthalene	11.80	128	64567	6.651	ng	# 97
50) 2,6-Dinitrotoluene	15.48	165	17260	6.756	ng	# 19
56) 2,4-Dinitrotoluene	15.48	165	17260	4.588	ng	# 17
66) 4-Bromophenyl-phenylether	16.95	248	25535	5.686	ng	# 1
76) Benzidine	20.73	184	31444	2.932	ng	# 94

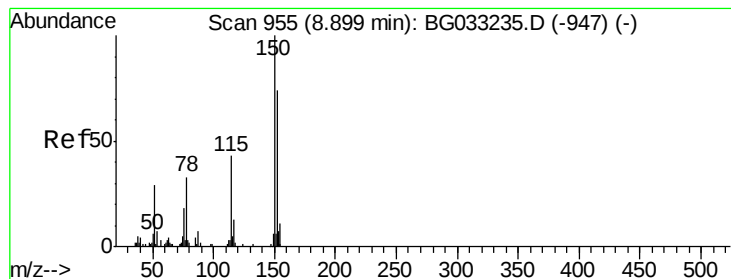
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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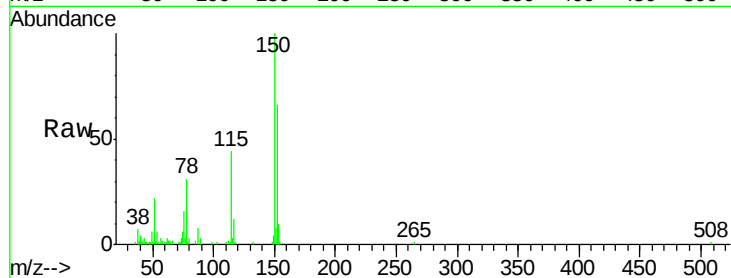


#1

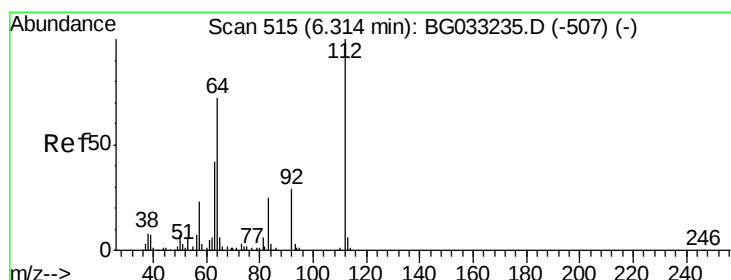
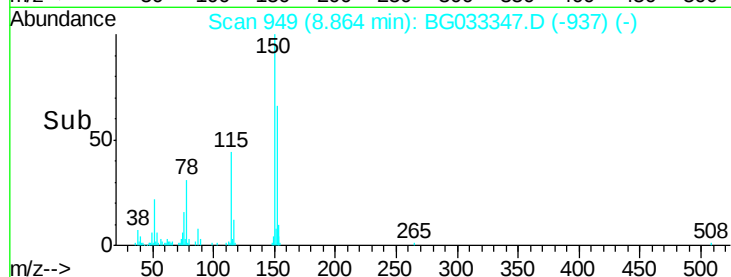
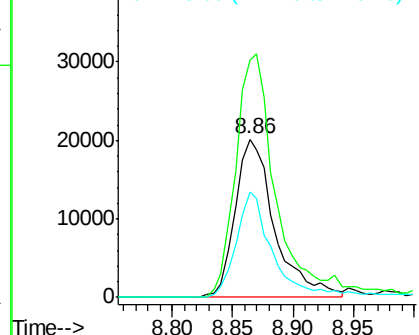
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 949
Delta R.T. -0.03 min
Lab File: BG033347.D
Acq: 27 Mar 2018 2:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 46044
Ion Ratio Lower Upper
152 100
150 150.6 126.6 189.8
115 67.0 53.0 79.4



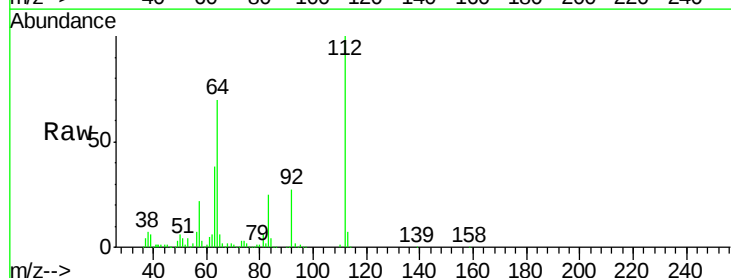
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



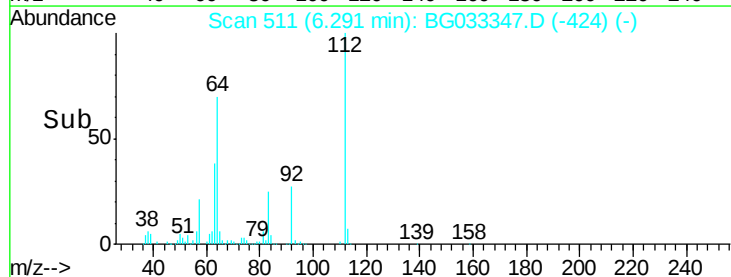
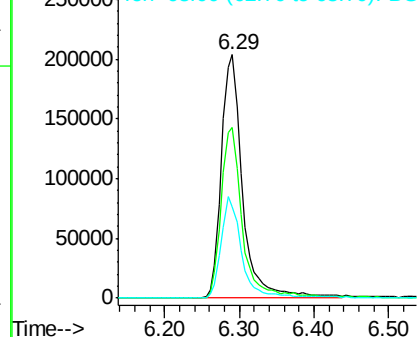
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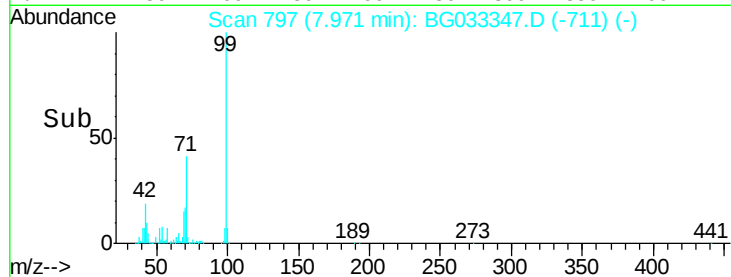
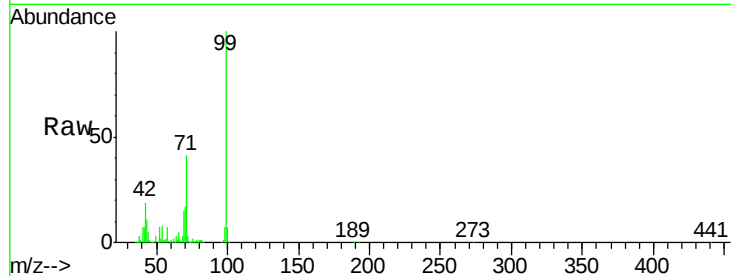
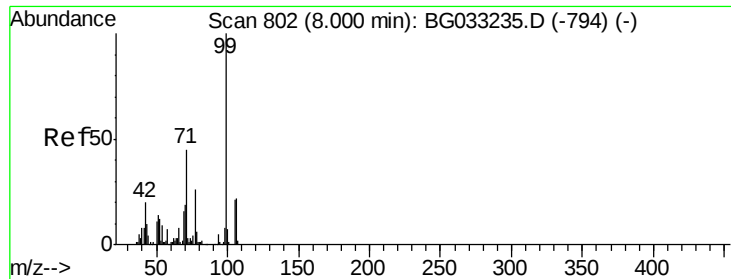
2-Fluorophenol
Concen: 164.213 ng
RT: 6.29 min Scan# 511
Delta R.T. -0.02 min
Lab File: BG033347.D
Acq: 27 Mar 2018 2:10

Tgt Ion:112 Resp: 403228
Ion Ratio Lower Upper
112 100
64 69.9 56.3 84.5
63 37.7 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: 126.772 ng

RT: 7.97 min Scan# 797

Delta R.T. -0.03 min

Lab File: BG033347.D

Acq: 27 Mar 2018 2:10

Instrument :

BNA_G

ClientSampleId :

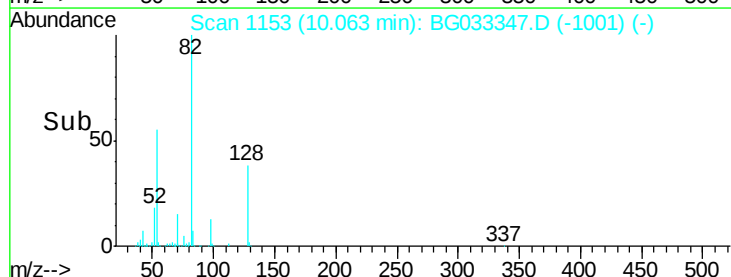
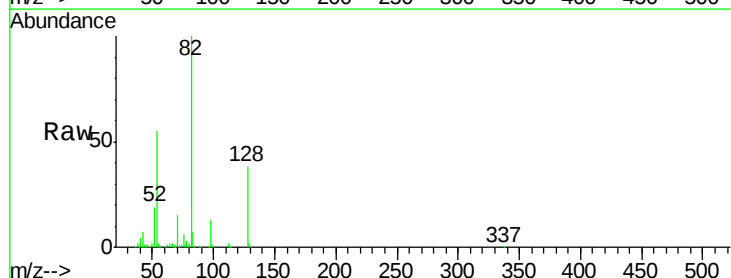
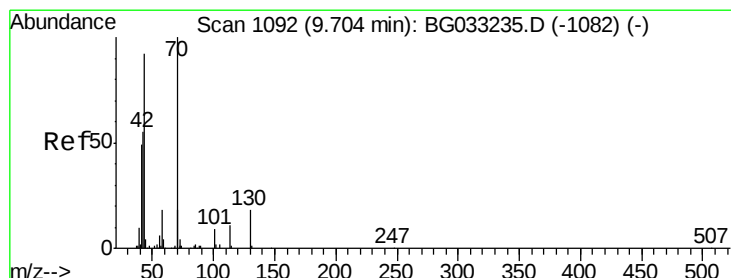
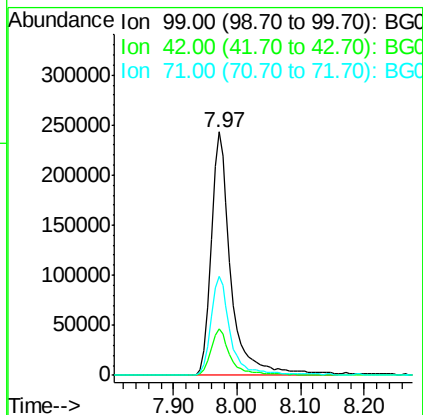
Tot Ion: 99 Resp: 534862

Ion Ratio Lower Upper

99 100

42 18.9 14.1 21.1

71 40.5 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 18.991 ng

RT: 10.06 min Scan# 1153

Delta R.T. 0.36 min

Lab File: BG033347.D

Acq: 27 Mar 2018 2:10

Tgt Ion: 70 Resp: 58713

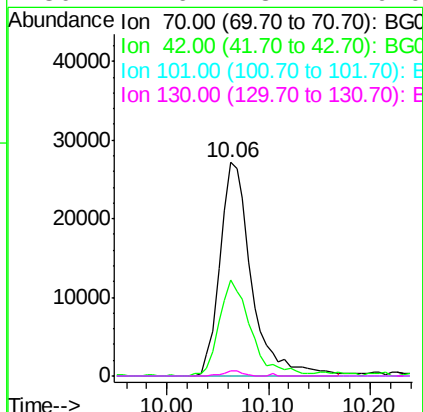
Ion Ratio Lower Upper

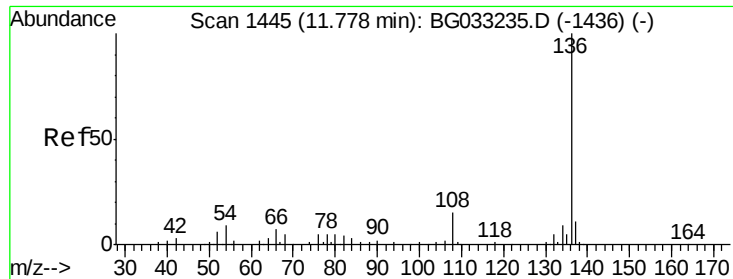
70 100

42 45.0 49.1 73.7#

101 0.0 8.5 12.7#

130 2.6 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.75 min Scan# 1440

Delta R.T. -0.03 min

Lab File: BG033347.D

Acq: 27 Mar 2018 2:10

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 187328

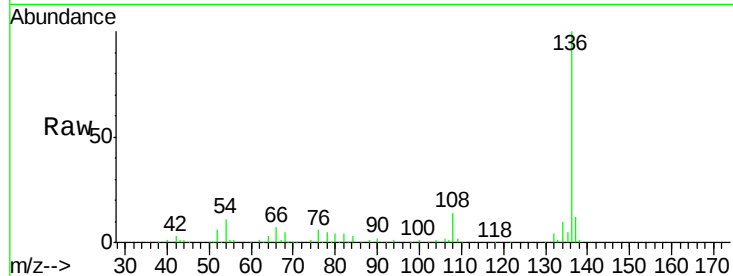
Ion Ratio Lower Upper

136 100

137 11.5 9.2 13.8

54 10.8 10.3 15.5

68 5.3 4.5 6.7

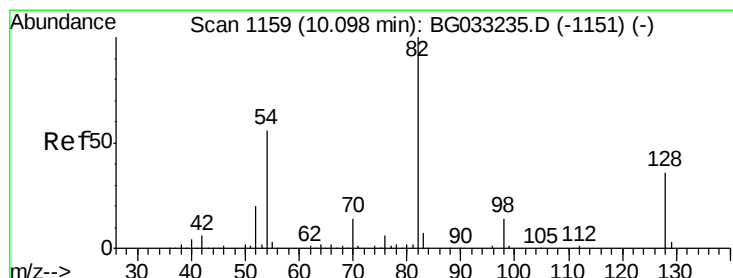
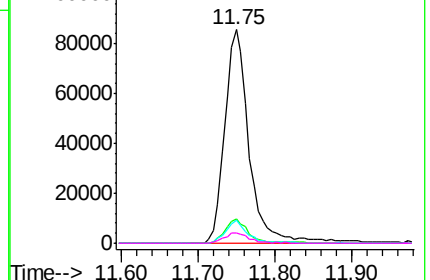
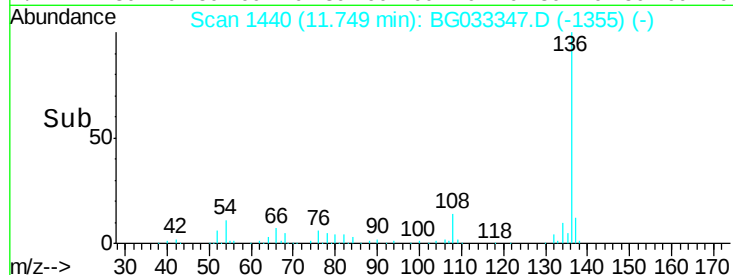


Abundance Ion 136.00 (135.70 to 136.70): B

Ion 137.00 (136.70 to 137.70): B

Ion 54.00 (53.70 to 54.70): B

Ion 68.00 (67.70 to 68.70): B



#23

Nitrobenzene-d5

Concen: 106.978 ng

RT: 10.07 min Scan# 1154

Delta R.T. -0.03 min

Lab File: BG033347.D

Acq: 27 Mar 2018 2:10

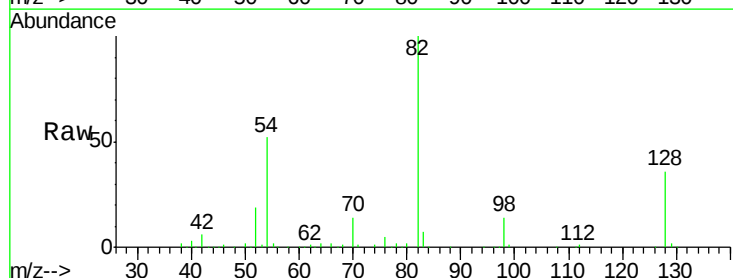
Tgt Ion: 82 Resp: 436182

Ion Ratio Lower Upper

82 100

128 35.8 29.7 44.5

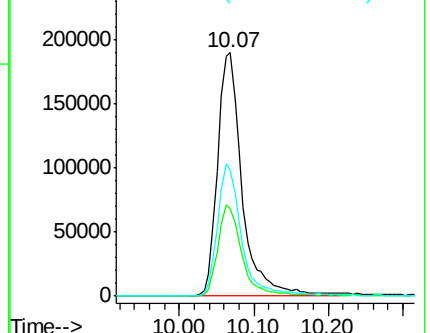
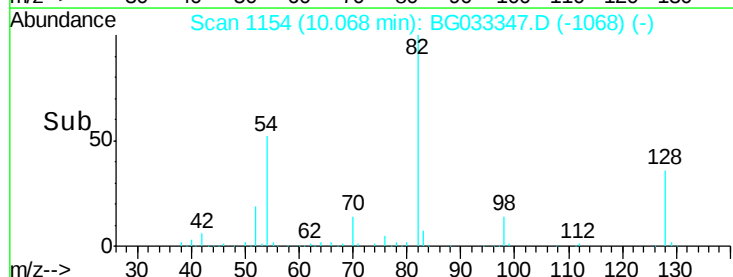
54 51.6 43.1 64.7

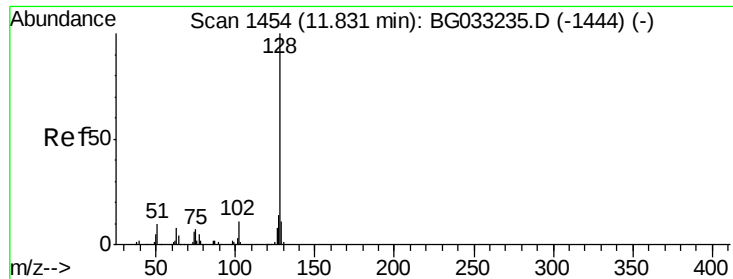


Abundance Ion 82.00 (81.70 to 82.70): B

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): B

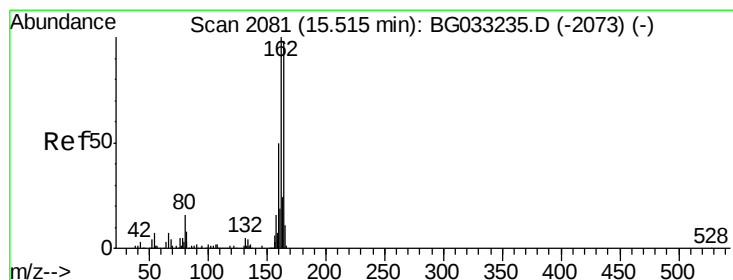
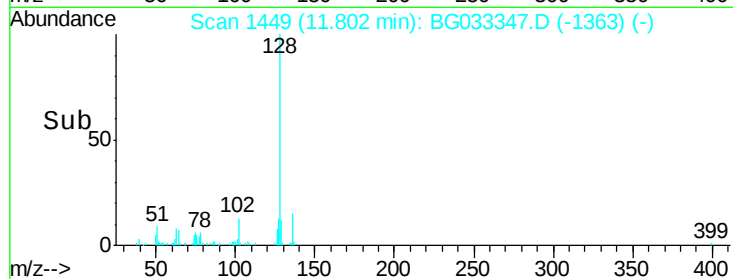
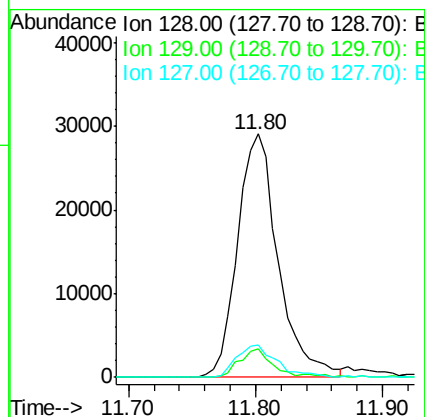
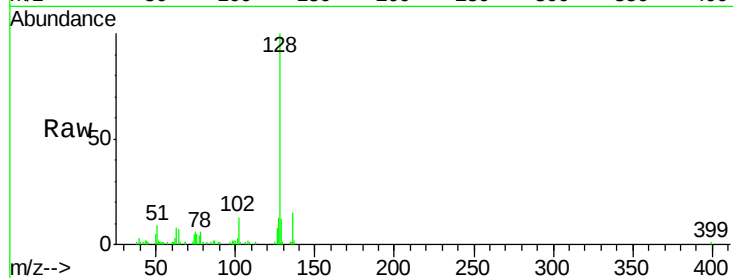




#31
Naphthalene
Concen: 6.651 ng
RT: 11.80 min Scan# 1449
Delta R.T. -0.03 min
Lab File: BG033347.D
Acq: 27 Mar 2018 2:10

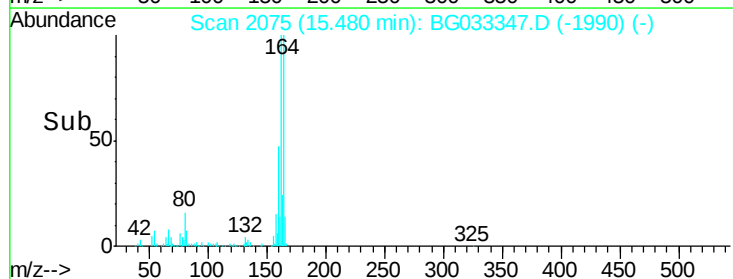
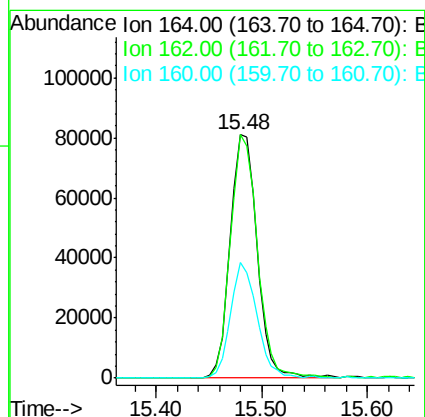
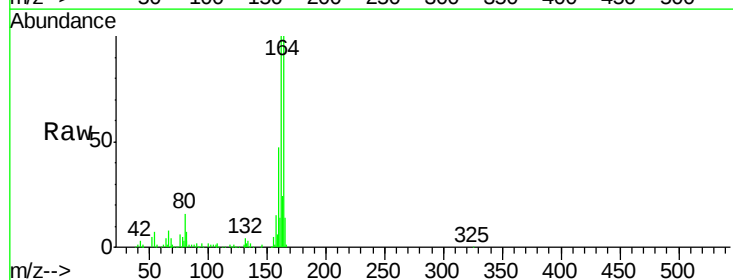
Instrument :
BNA_G
ClientSampleId :

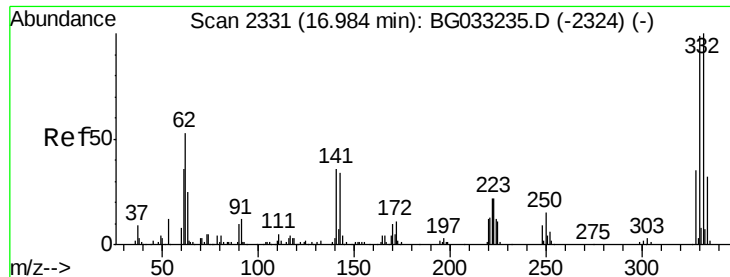
Tot Ion:128 Resp: 64567
Ion Ratio Lower Upper
128 100
129 11.8 8.6 12.8
127 13.2 11.6 17.4



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.48 min Scan# 2075
Delta R.T. -0.03 min
Lab File: BG033347.D
Acq: 27 Mar 2018 2:10

Tgt Ion:164 Resp: 143576
Ion Ratio Lower Upper
164 100
162 100.0 78.8 118.2
160 47.4 35.4 53.0

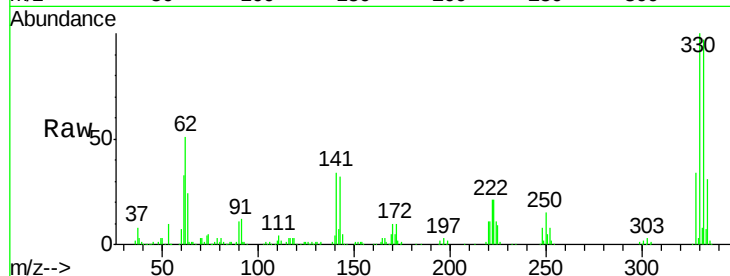




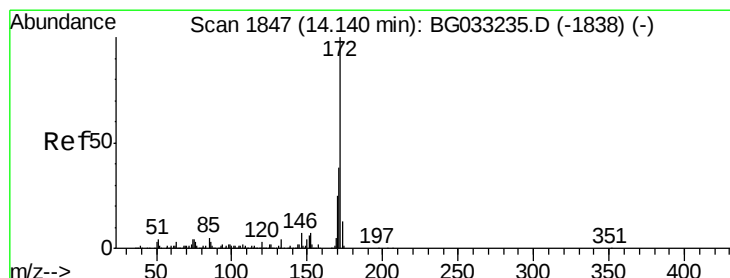
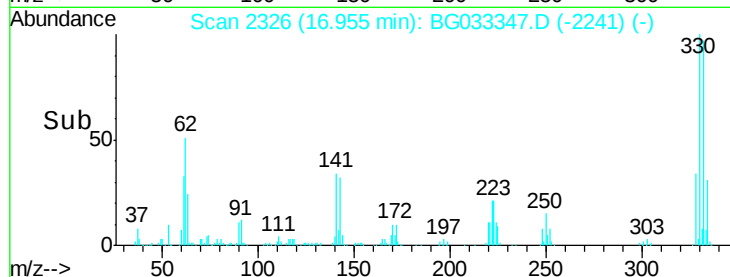
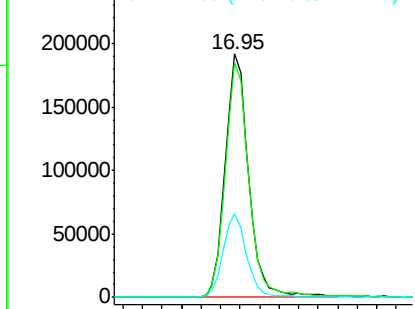
#41
 2,4,6-Tribromophenol
 Concen: 149.687 ng
 RT: 16.95 min Scan# 2326
 Delta R.T. -0.03 min
 Lab File: BG033347.D
 Acq: 27 Mar 2018 2:10

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 321429
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.0 115.6
 141 34.1 25.2 37.8

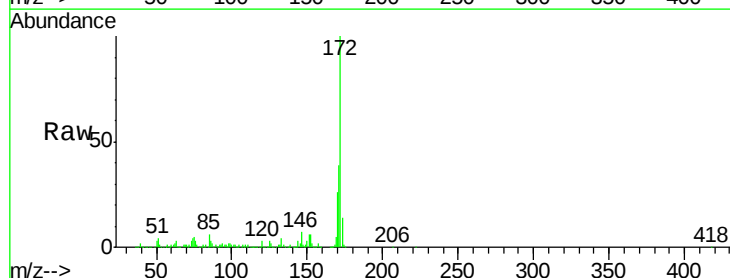


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

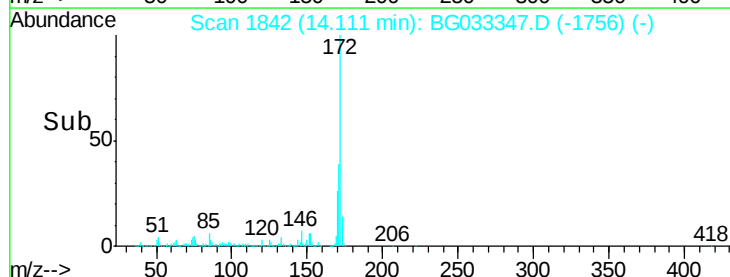
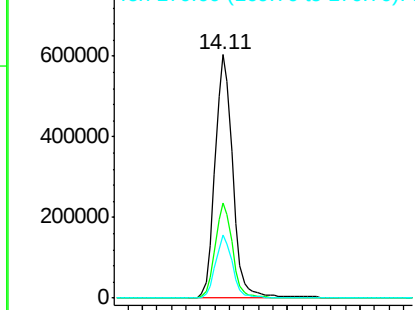


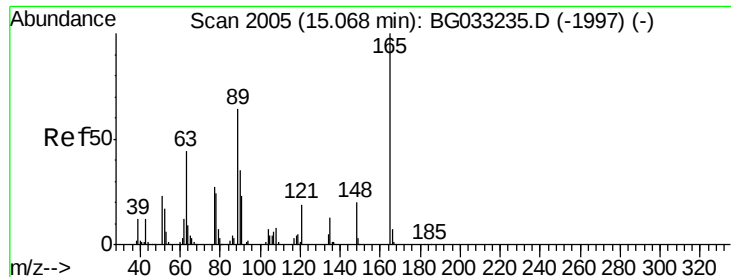
#44
 2-Fluorobiphenyl
 Concen: 103.685 ng
 RT: 14.11 min Scan# 1842
 Delta R.T. -0.03 min
 Lab File: BG033347.D
 Acq: 27 Mar 2018 2:10

Tgt Ion:172 Resp: 1031193
 Ion Ratio Lower Upper
 172 100
 171 38.9 30.0 45.0
 170 25.8 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

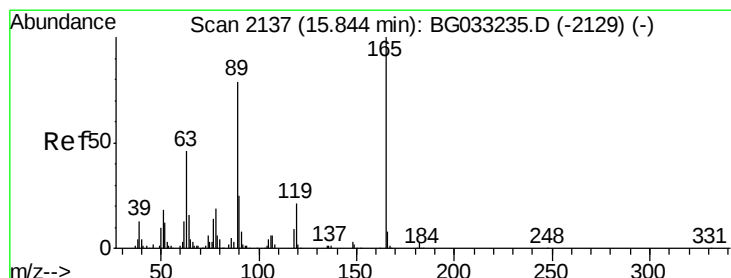
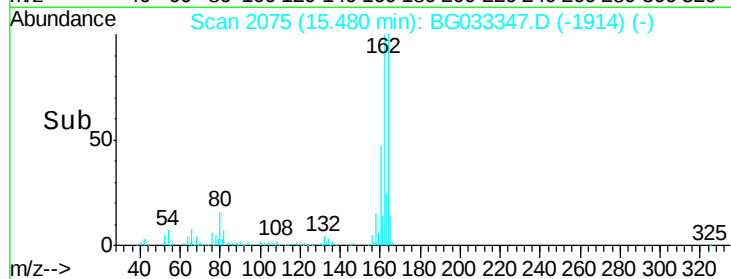
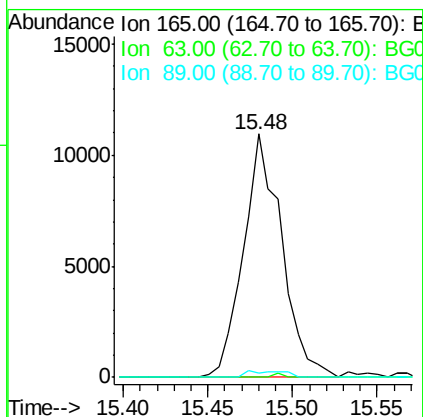
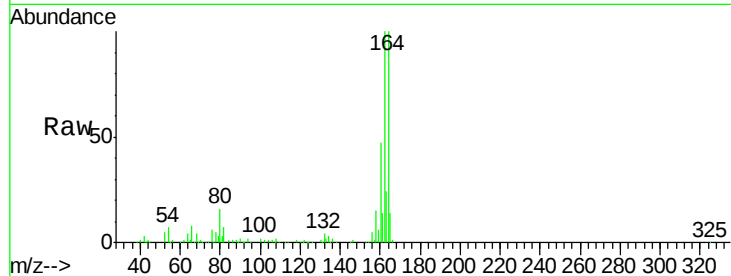




#50
 2,6-Dinitrotoluene
 Concen: 6.756 ng
 RT: 15.48 min Scan# 2075
 Delta R.T. 0.41 min
 Lab File: BG033347.D
 Acq: 27 Mar 2018 2:10

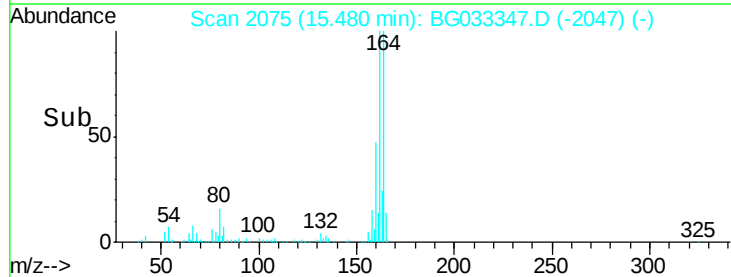
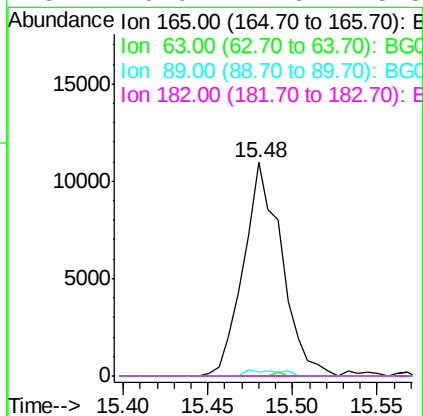
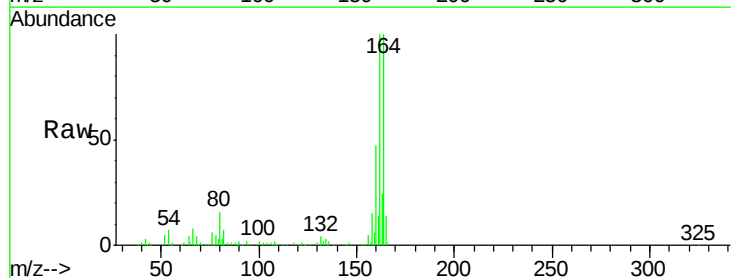
Instrument :
 BNA_G
 ClientSampled :

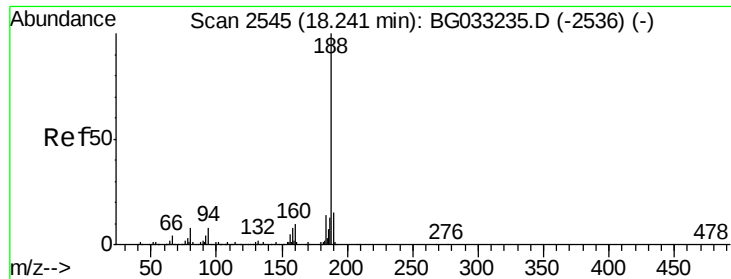
Tot Ion:165 Resp: 17260
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 1.7 49.2 73.8#



#56
 2,4-Dinitrotoluene
 Concen: 4.588 ng
 RT: 15.48 min Scan# 2075
 Delta R.T. -0.37 min
 Lab File: BG033347.D
 Acq: 27 Mar 2018 2:10

Tgt Ion:165 Resp: 17260
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 1.7 66.9 100.3#
 182 0.0 2.6 3.8#

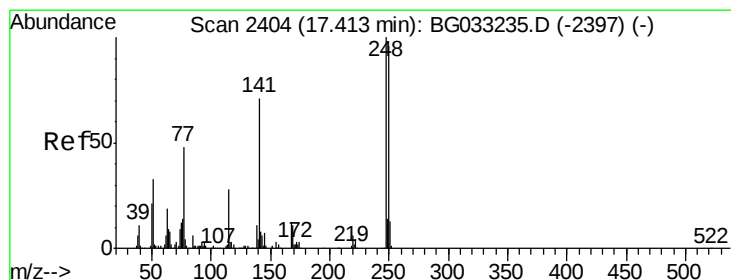
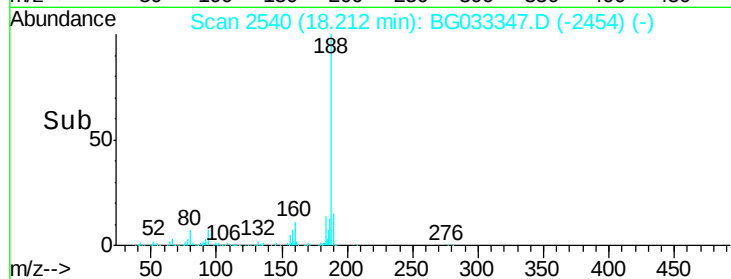
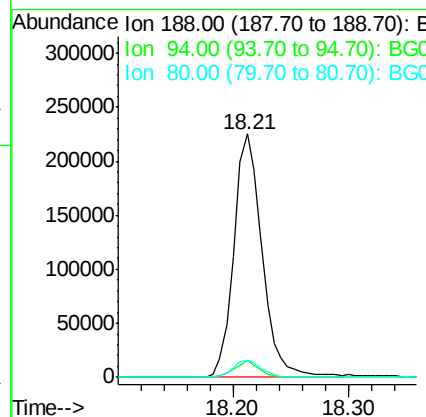
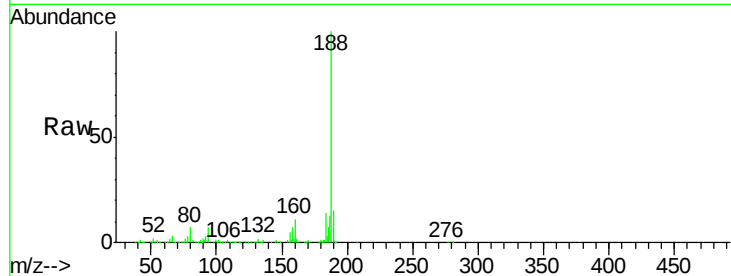




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.21 min Scan# 2540
Delta R.T. -0.03 min
Lab File: BG033347.D
Acq: 27 Mar 2018 2:10

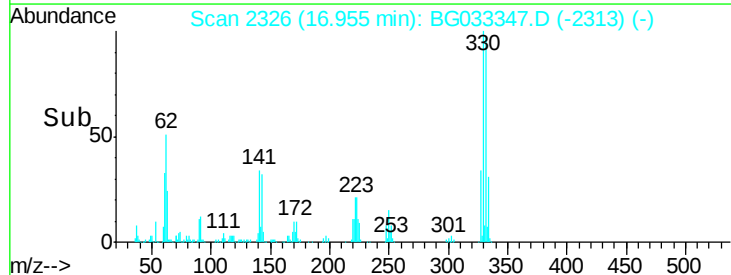
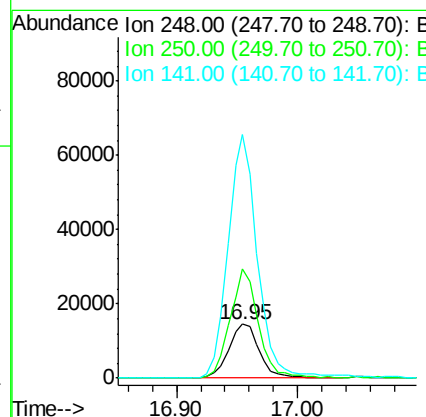
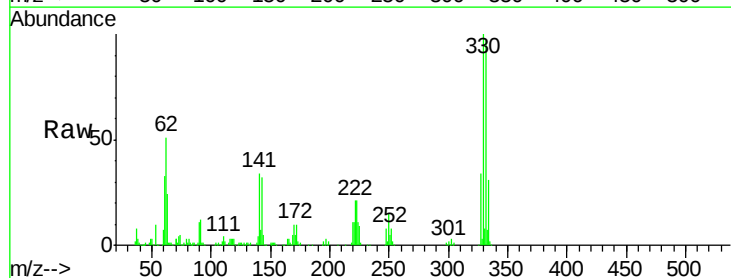
Instrument :
BNA_G
ClientSampleId :

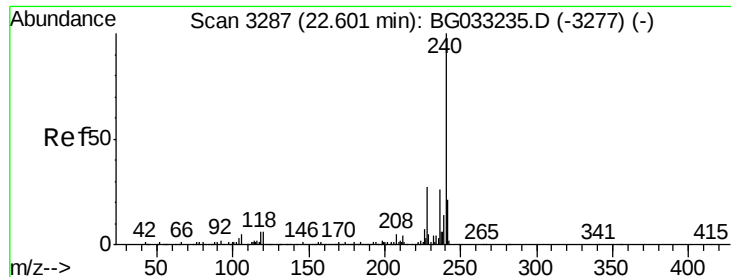
Tot Ion	Ratio	Lower	Upper
188	100		
94	7.0	6.9	10.3
80	7.3	7.7	11.5#



#66
4-Bromophenyl-phenylether
Concen: 5.686 ng
RT: 16.95 min Scan# 2326
Delta R.T. -0.46 min
Lab File: BG033347.D
Acq: 27 Mar 2018 2:10

Tgt Ion	Ratio	Lower	Upper
248	100		
250	203.0	77.1	115.7#
141	451.4	50.8	76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.55 min Scan# 3279

Delta R.T. -0.04 min

Lab File: BG033347.D

Acq: 27 Mar 2018 2:10

Instrument :

BNA_G

ClientSampleId :

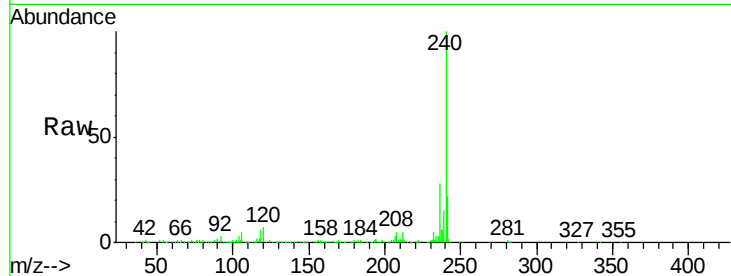
Tot Ion:240 Resp: 395444

Ion Ratio Lower Upper

240 100

120 6.9 6.8 10.2

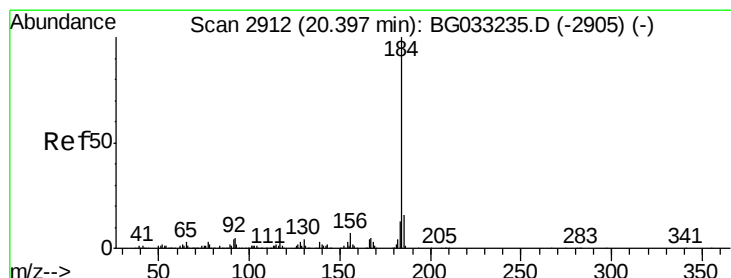
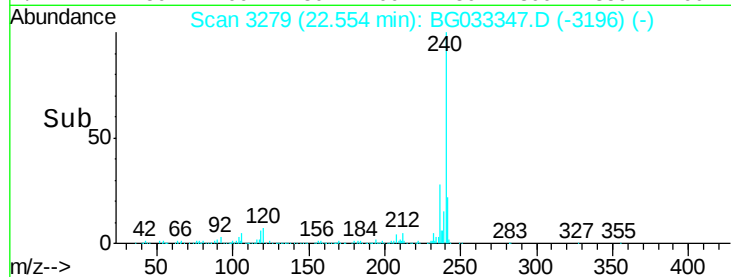
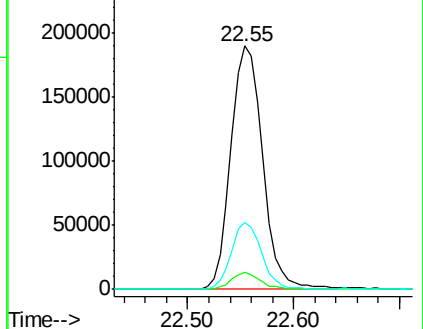
236 27.7 20.9 31.3



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: 2.932 ng

RT: 20.73 min Scan# 2969

Delta R.T. 0.34 min

Lab File: BG033347.D

Acq: 27 Mar 2018 2:10

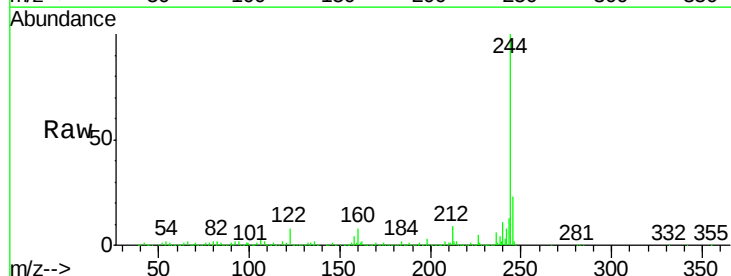
Tgt Ion:184 Resp: 31444

Ion Ratio Lower Upper

184 100

185 14.9 11.1 16.7

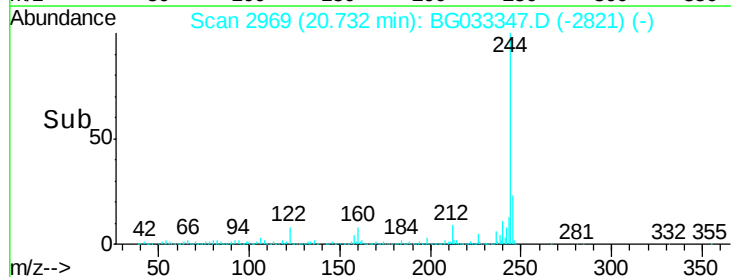
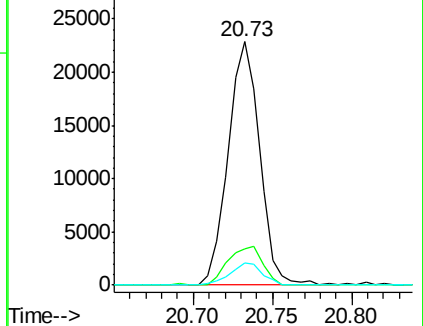
183 9.1 10.6 16.0#

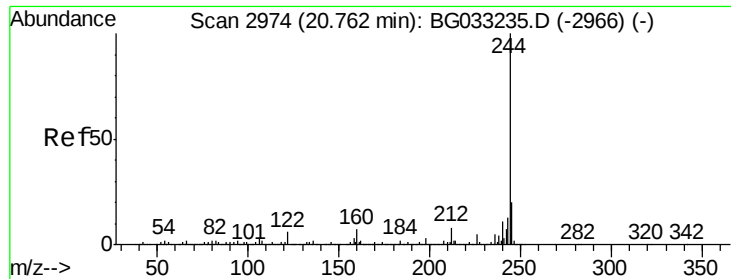


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 102.398 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.03 min

Lab File: BG033347.D

Acq: 27 Mar 2018 2:10

Instrument :

BNA_G

ClientSampleId :

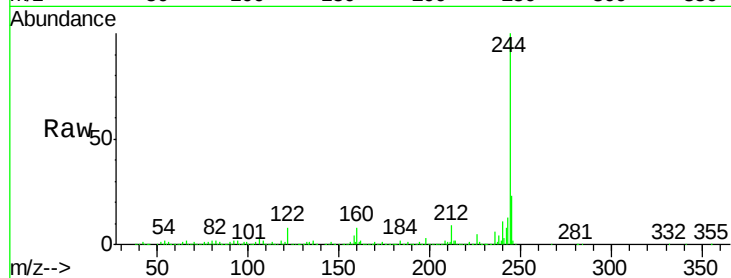
Tot Ion:244 Resp: 1893414

Ion Ratio Lower Upper

244 100

212 8.9 5.8 8.8#

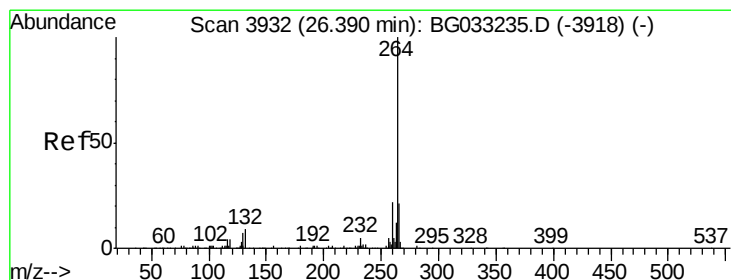
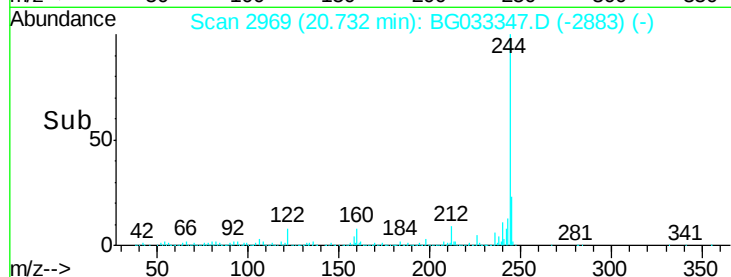
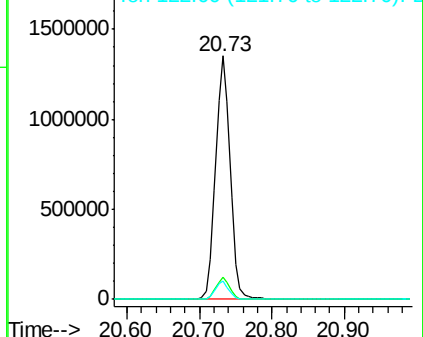
122 7.7 7.0 10.4



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. -0.07 min

Lab File: BG033347.D

Acq: 27 Mar 2018 2:10

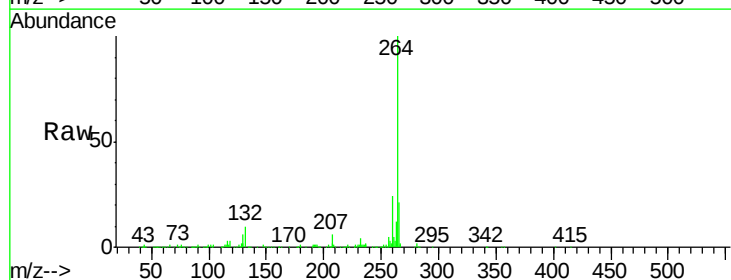
Tgt Ion:264 Resp: 428308

Ion Ratio Lower Upper

264 100

260 24.3 17.4 26.0

265 21.0 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

