

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032718\
 Data File : BG033364.D
 Acq On : 27 Mar 2018 16:27
 Operator : SJ/JU
 Sample : PB107684BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 28 07:53:32 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

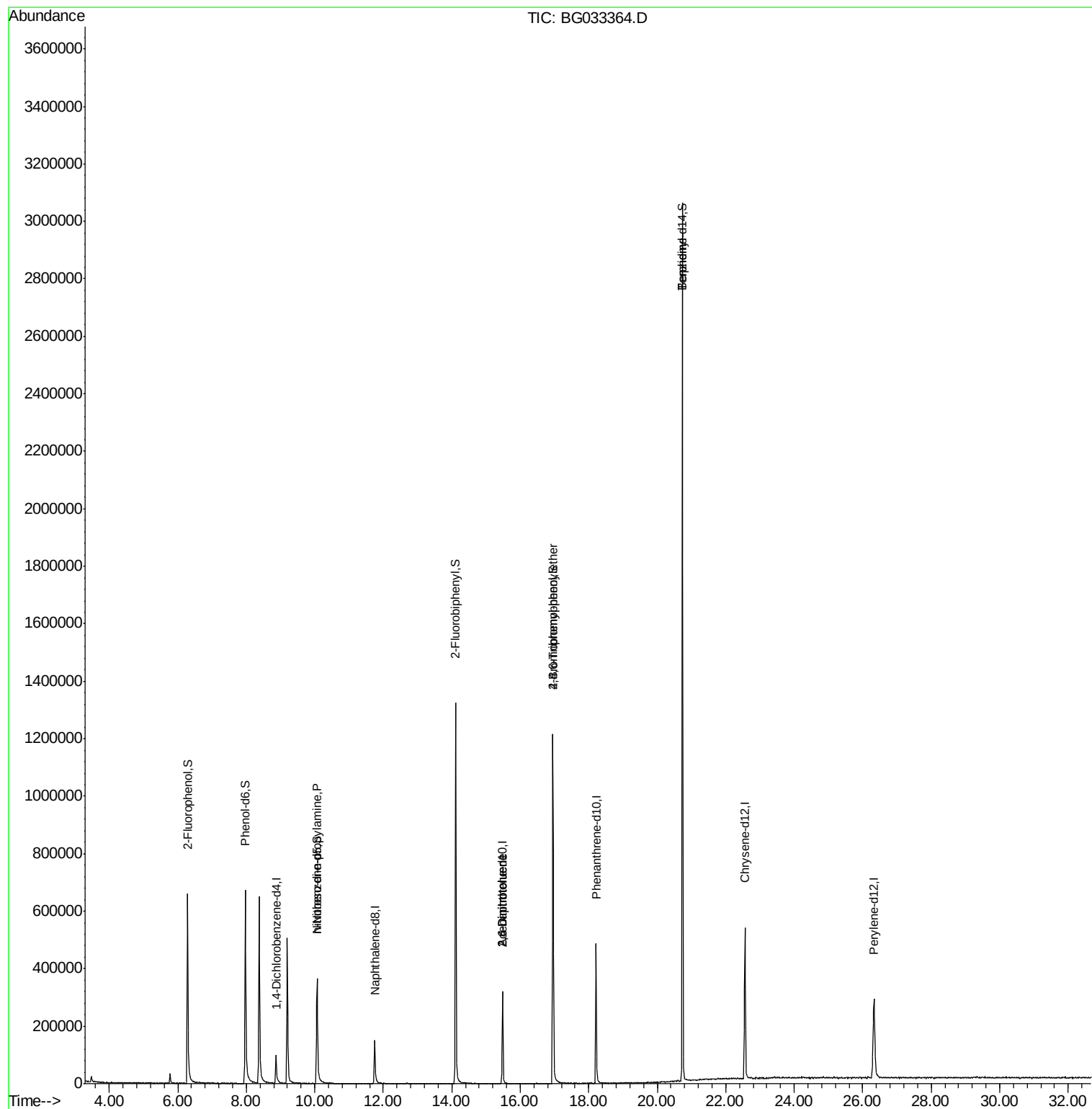
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	39235	20.00	ng	-0.03
21) Naphthalene-d8	11.75	136	160846	20.00	ng	-0.03
38) Acenaphthene-d10	15.48	164	120915	20.00	ng	-0.03
63) Phenanthrene-d10	18.21	188	354129	20.00	ng	-0.03
75) Chrysene-d12	22.56	240	384527	20.00	ng	-0.04
86) Perylene-d12	26.33	264	403897	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	6.28	112	321668	153.73	ng	-0.03
7) Phenol-d6	7.97	99	495971	137.95	ng	-0.03
23) Nitrobenzene-d5	10.06	82	304984	87.12	ng	-0.03
41) 2,4,6-Tribromophenol	16.96	330	263060	145.46	ng	-0.03
44) 2-Fluorobiphenyl	14.11	172	772974	92.29	ng	-0.03
78) Terphenyl-d14	20.73	244	1561374	86.84	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.06	70	39910	15.150	ng	# 76
50) 2,6-Dinitrotoluene	15.48	165	15653	7.275	ng	# 20
56) 2,4-Dinitrotoluene	15.48	165	15653	4.941	ng	# 19
66) 4-Bromophenyl-phenylether	16.95	248	19999	4.809	ng	# 1
76) Benzidine	20.73	184	25297	2.426	ng	# 91

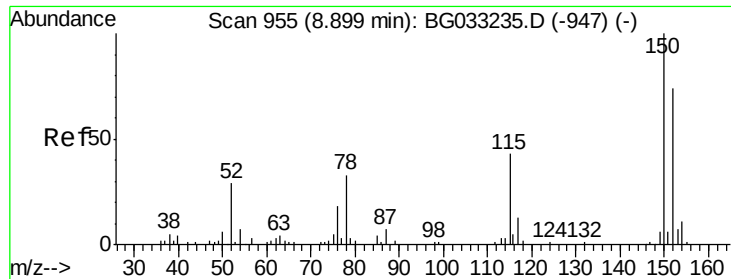
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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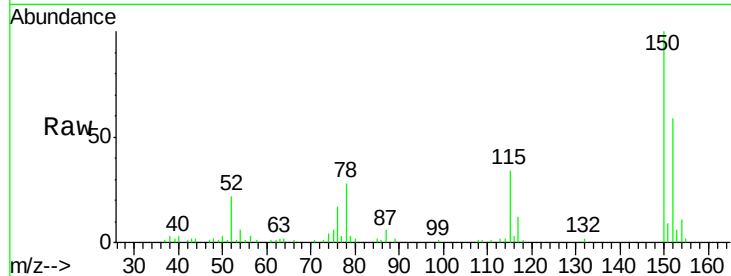


#1

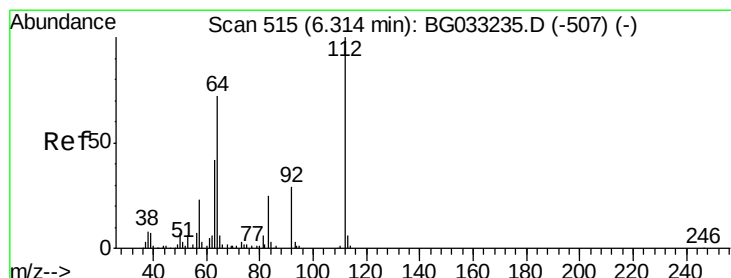
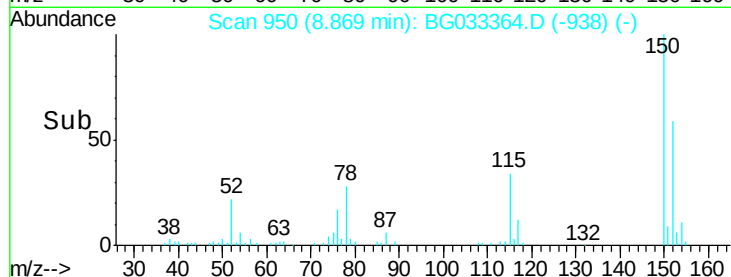
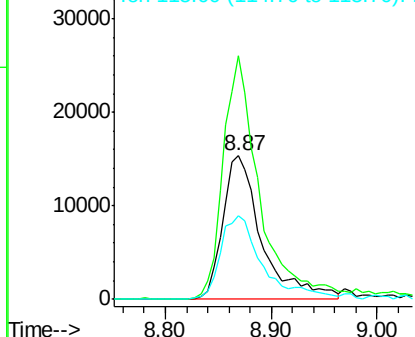
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.87 min Scan# 950
Delta R.T. -0.03 min
Lab File: BG033364.D
Acq: 27 Mar 2018 16:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	169.4	126.6	189.8
115	58.4	53.0	79.4



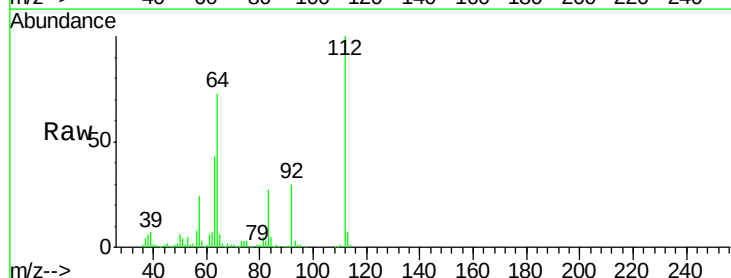
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



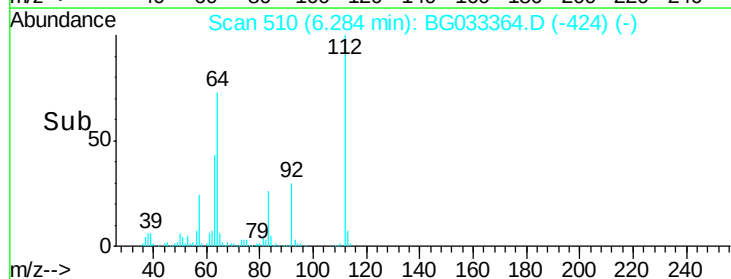
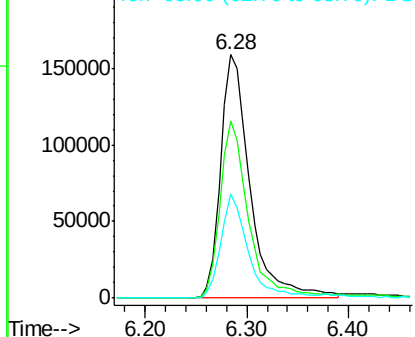
#5

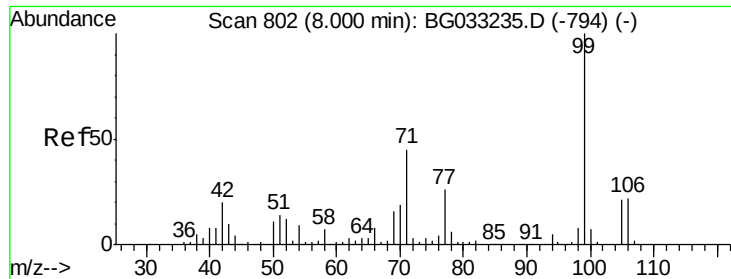
2-Fluorophenol
Concen: 153.732 ng
RT: 6.28 min Scan# 510
Delta R.T. -0.03 min
Lab File: BG033364.D
Acq: 27 Mar 2018 16:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.7	56.3	84.5
63	42.6	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: 137.955 ng

RT: 7.97 min Scan# 797

Delta R.T. -0.03 min

Lab File: BG033364.D

Acq: 27 Mar 2018 16:27

Instrument :

BNA_G

ClientSampleId :

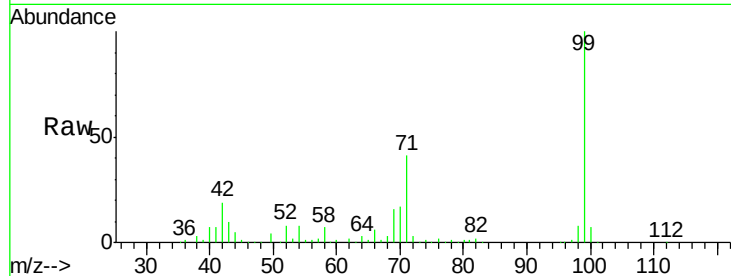
Tot Ion: 99 Resp: 495971

Ion Ratio Lower Upper

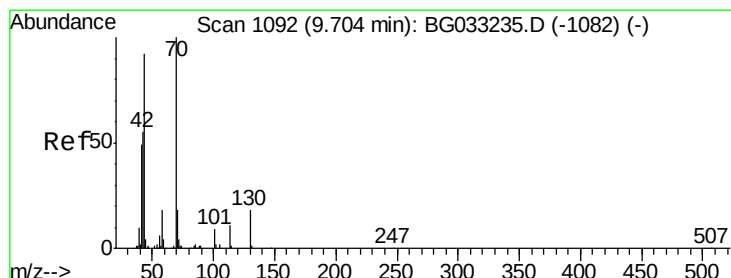
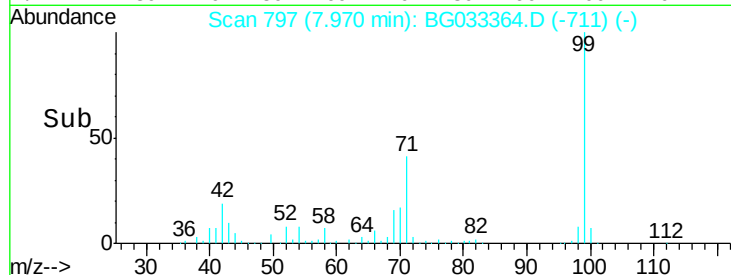
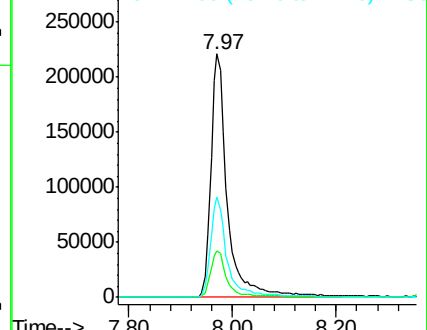
99 100

42 19.3 14.1 21.1

71 41.1 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: 15.150 ng

RT: 10.06 min Scan# 1153

Delta R.T. 0.36 min

Lab File: BG033364.D

Acq: 27 Mar 2018 16:27

Tgt Ion: 70 Resp: 39910

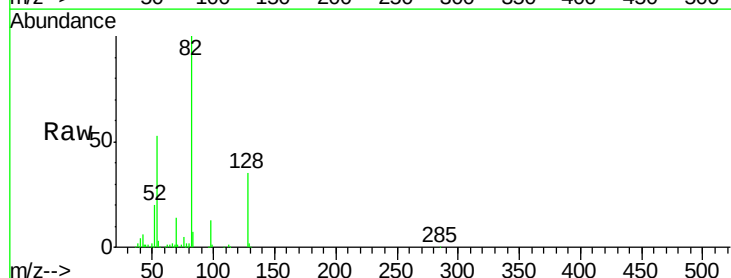
Ion Ratio Lower Upper

70 100

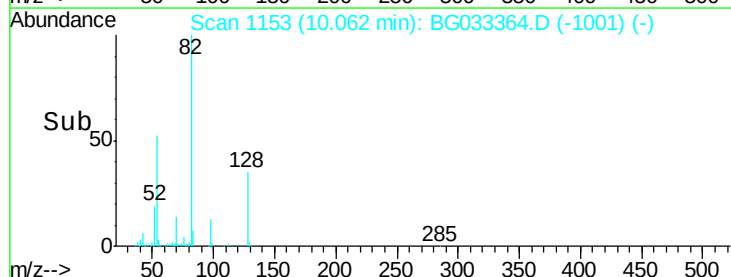
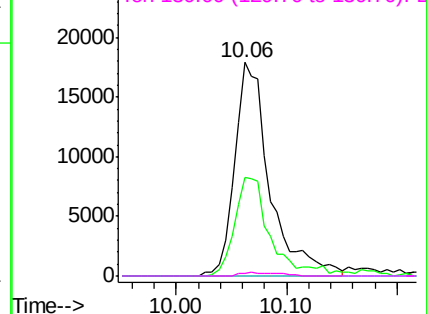
42 46.4 49.1 73.7#

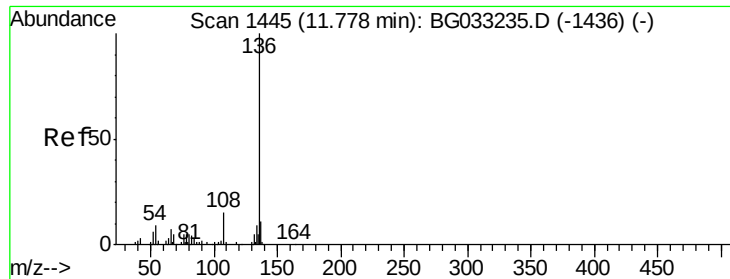
101 0.0 8.5 12.7#

130 0.9 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

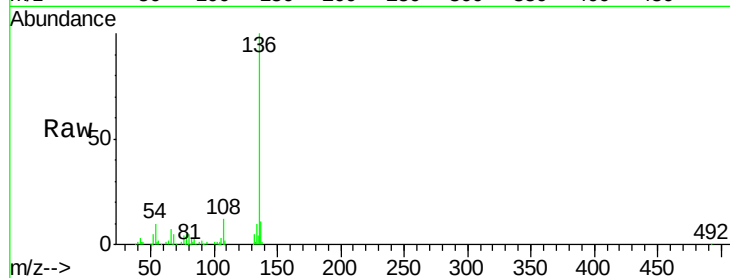




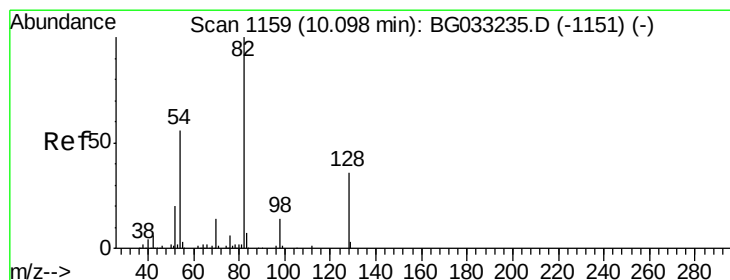
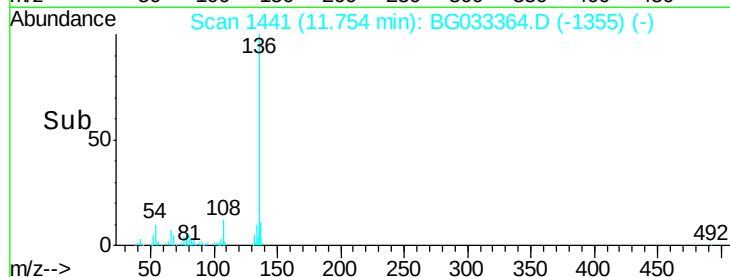
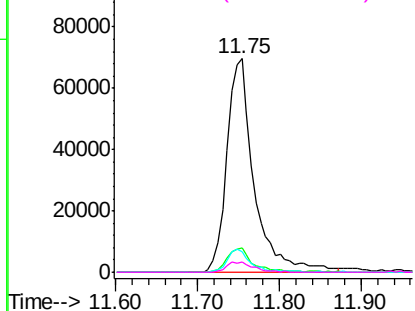
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.75 min Scan# 1441
Delta R.T. -0.03 min
Lab File: BG033364.D
Acq: 27 Mar 2018 16:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136 Resp: 160846
Ion Ratio Lower Upper
136 100
137 11.4 9.2 13.8
54 9.6 10.3 15.5#
68 4.6 4.5 6.7

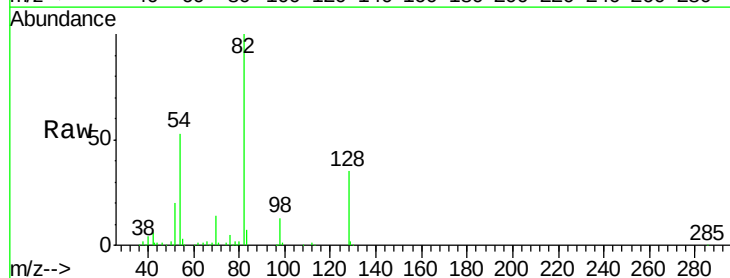


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

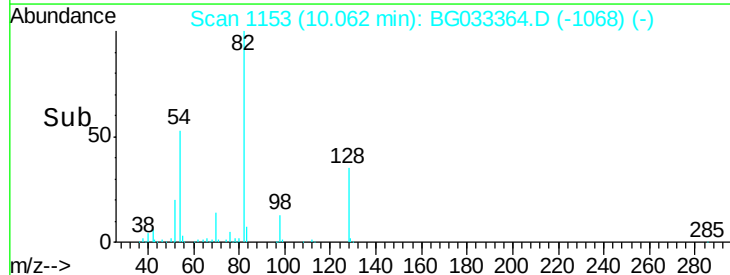
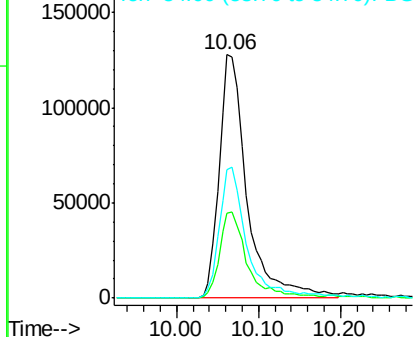


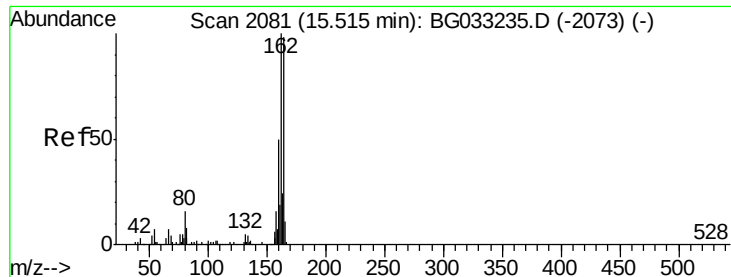
#23
Nitrobenzene-d5
Concen: 87.116 ng
RT: 10.06 min Scan# 1153
Delta R.T. -0.03 min
Lab File: BG033364.D
Acq: 27 Mar 2018 16:27

Tgt Ion: 82 Resp: 304984
Ion Ratio Lower Upper
82 100
128 35.0 29.7 44.5
54 52.7 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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.48 min Scan# 2076

Delta R.T. -0.03 min

Lab File: BG033364.D

Acq: 27 Mar 2018 16:27

Instrument :

BNA_G

ClientSampleId :

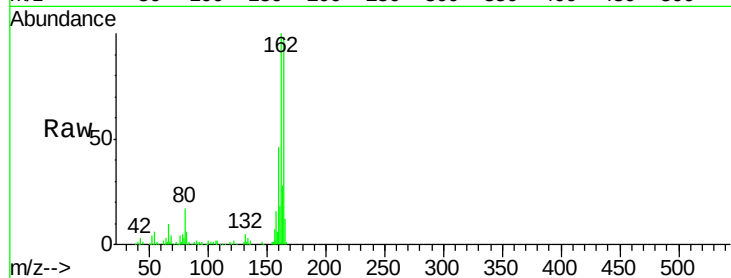
Tot Ion:164 Resp: 120915

Ion Ratio Lower Upper

164 100

162 101.7 78.8 118.2

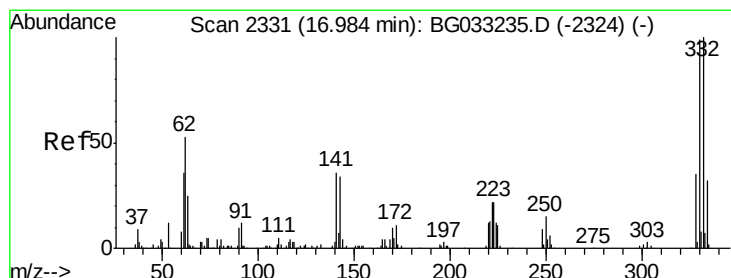
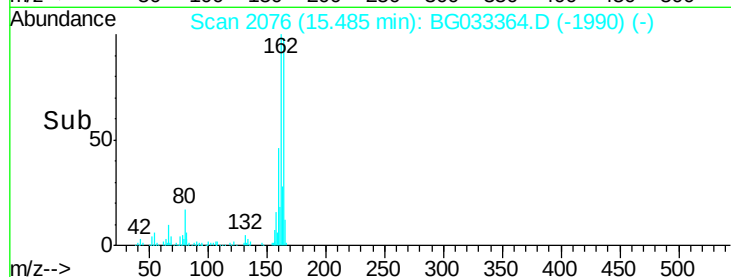
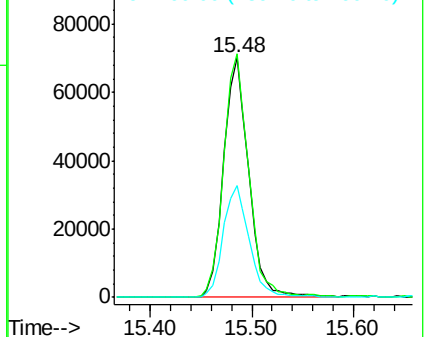
160 46.7 35.4 53.0



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: 145.464 ng

RT: 16.96 min Scan# 2327

Delta R.T. -0.03 min

Lab File: BG033364.D

Acq: 27 Mar 2018 16:27

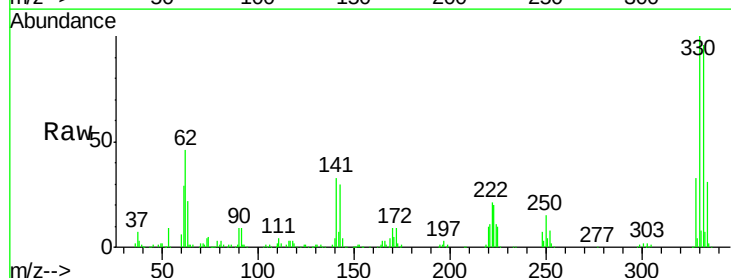
Tgt Ion:330 Resp: 263060

Ion Ratio Lower Upper

330 100

332 97.6 77.0 115.6

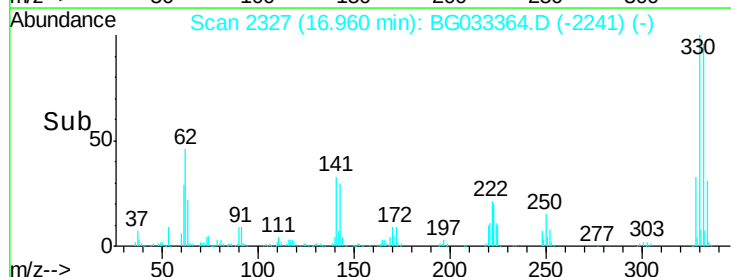
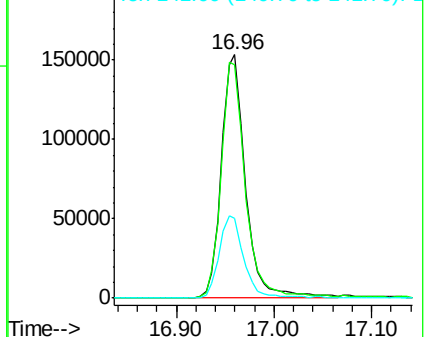
141 35.2 25.2 37.8

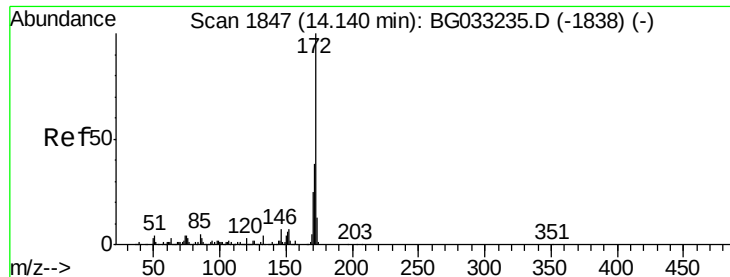


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

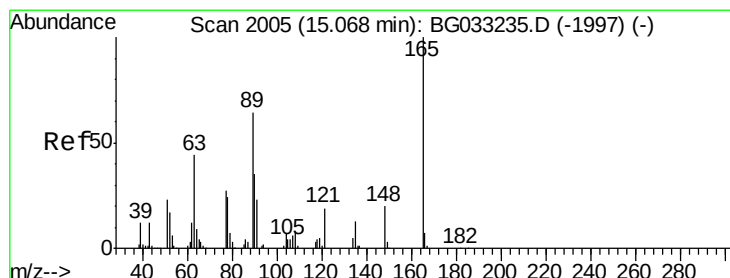
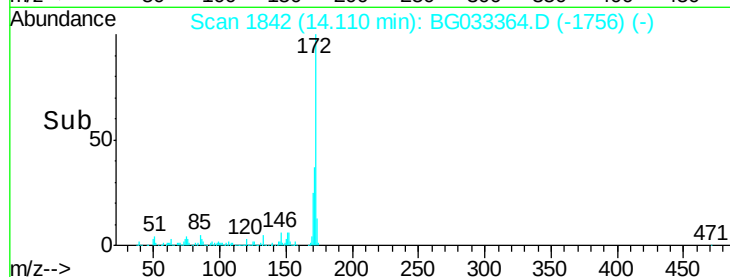
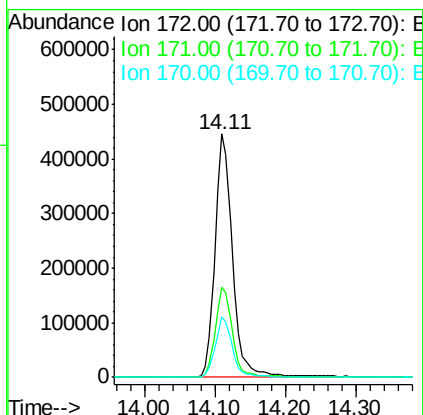
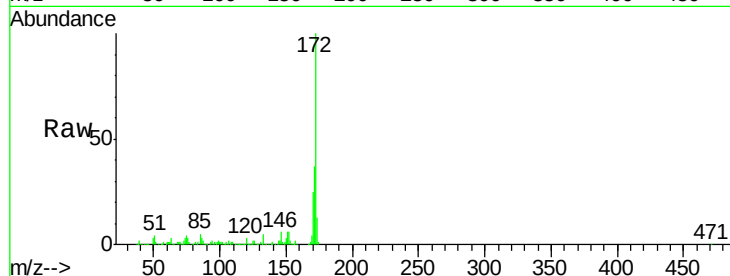




#44
 2-Fluorobiphenyl
 Concen: 92.287 ng
 RT: 14.11 min Scan# 1842
 Delta R.T. -0.03 min
 Lab File: BG033364.D
 Acq: 27 Mar 2018 16:27

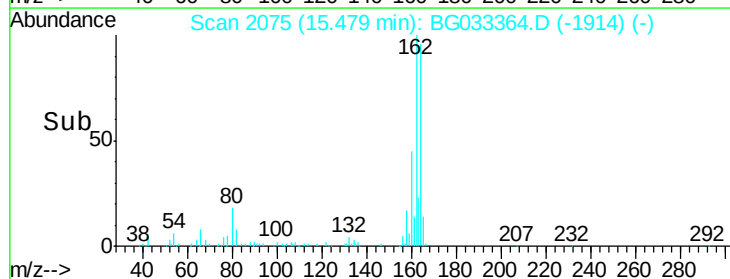
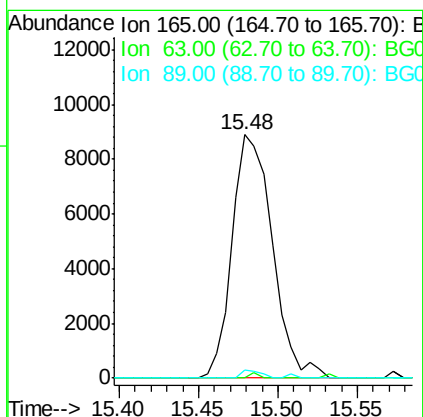
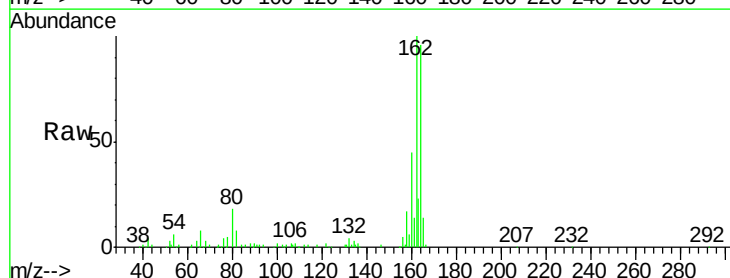
Instrument :
 BNA_G
 ClientSampleId :

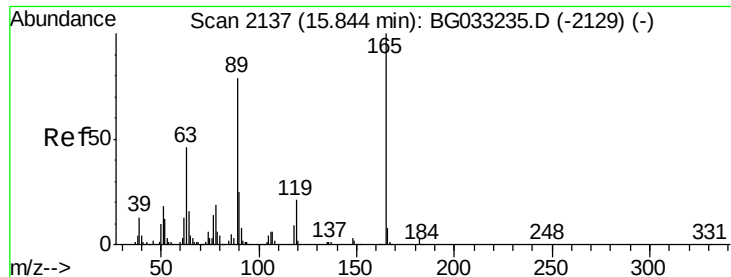
Tot Ion:172 Resp: 772974
 Ion Ratio Lower Upper
 172 100
 171 36.8 30.0 45.0
 170 24.9 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.275 ng
 RT: 15.48 min Scan# 2075
 Delta R.T. 0.41 min
 Lab File: BG033364.D
 Acq: 27 Mar 2018 16:27

Tgt Ion:165 Resp: 15653
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 3.4 49.2 73.8#

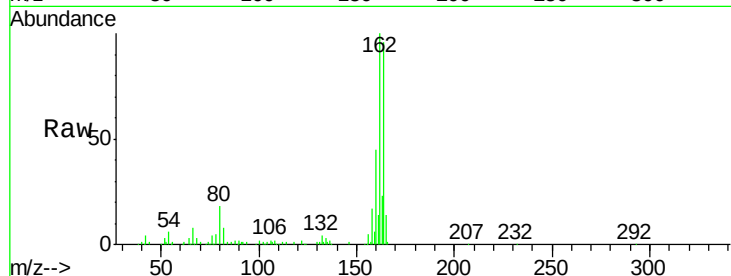




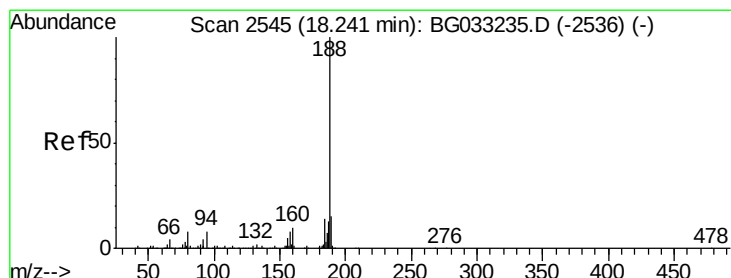
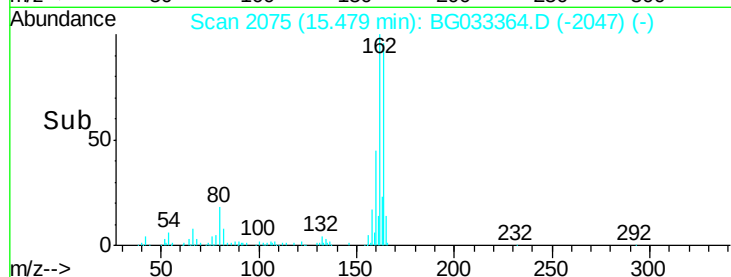
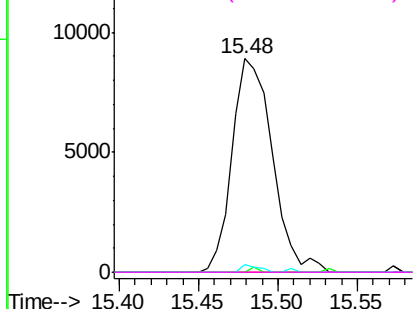
#56
2,4-Dinitrotoluene
Concen: 4.941 ng
RT: 15.48 min Scan# 2075
Delta R.T. -0.37 min
Lab File: BG033364.D
Acq: 27 Mar 2018 16:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 15653
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#

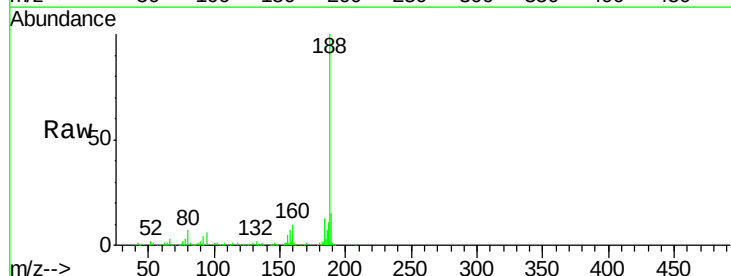


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

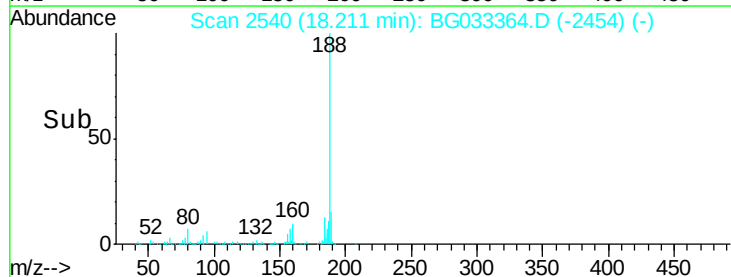
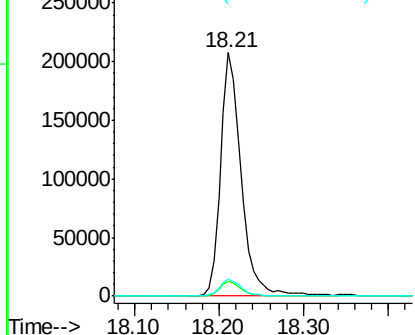


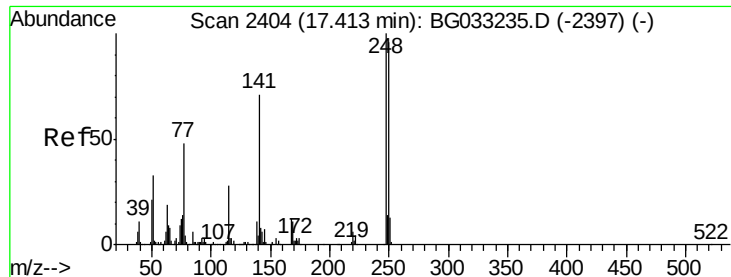
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.21 min Scan# 2540
Delta R.T. -0.03 min
Lab File: BG033364.D
Acq: 27 Mar 2018 16:27

Tgt Ion:188 Resp: 354129
Ion Ratio Lower Upper
188 100
94 6.0 6.9 10.3#
80 7.0 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

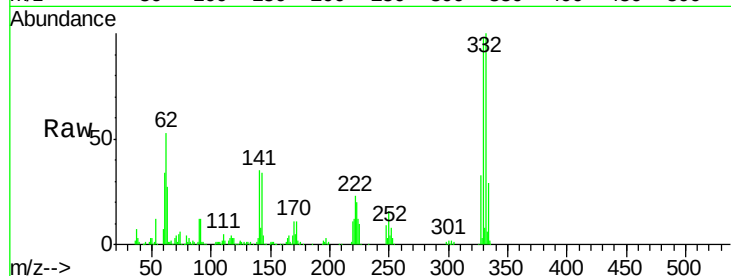




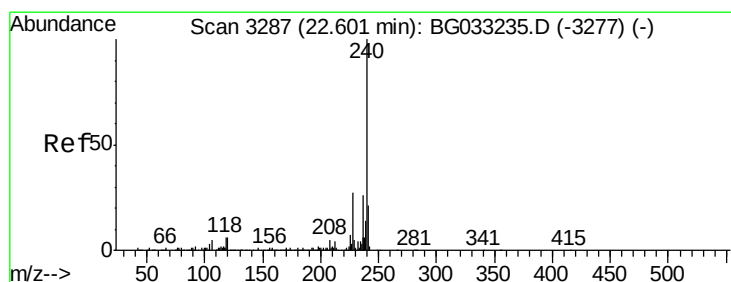
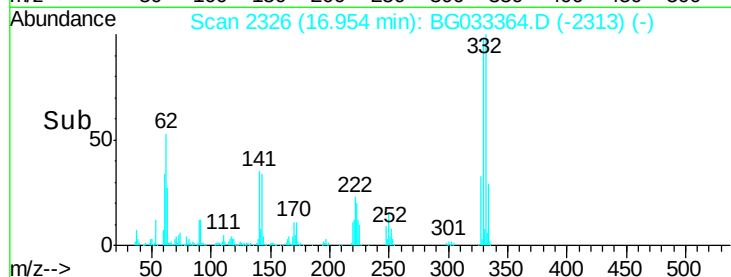
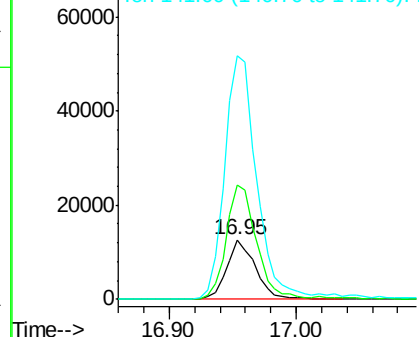
#66
4-Bromophenyl-phenylether
Concen: 4.809 ng
RT: 16.95 min Scan# 2326
Delta R.T. -0.46 min
Lab File: BG033364.D
Acq: 27 Mar 2018 16:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 19999
Ion Ratio Lower Upper
248 100
250 191.0 77.1 115.7#
141 408.0 50.8 76.2#

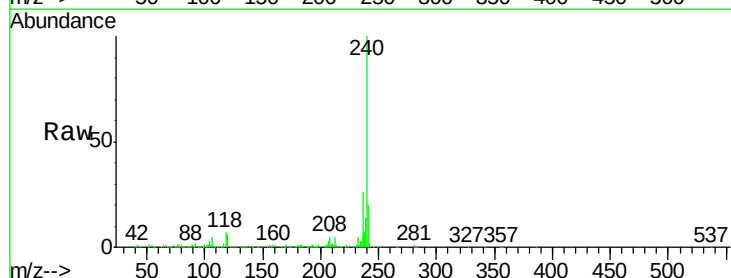


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

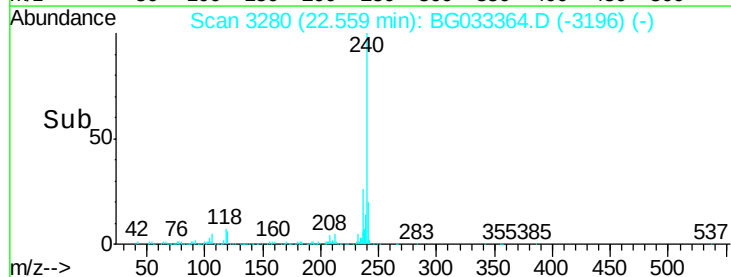
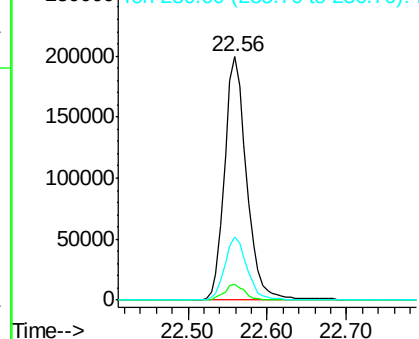


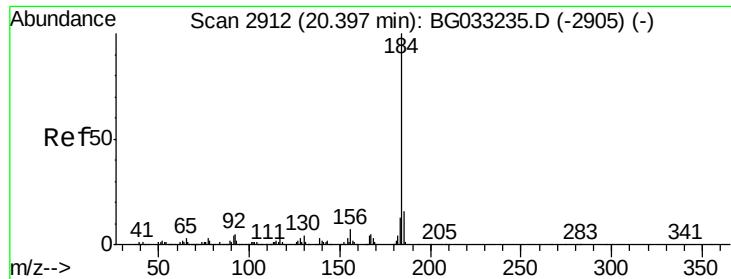
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.56 min Scan# 3280
Delta R.T. -0.04 min
Lab File: BG033364.D
Acq: 27 Mar 2018 16:27

Tgt Ion:240 Resp: 384527
Ion Ratio Lower Upper
240 100
120 6.3 6.8 10.2#
236 25.9 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

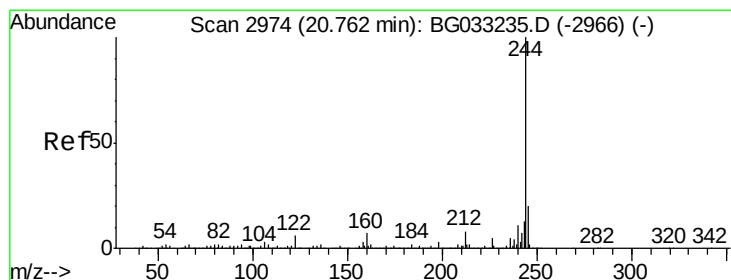
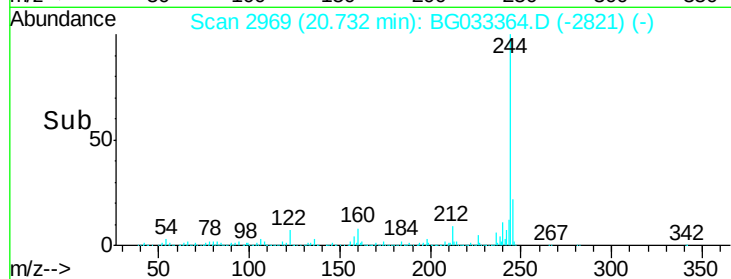
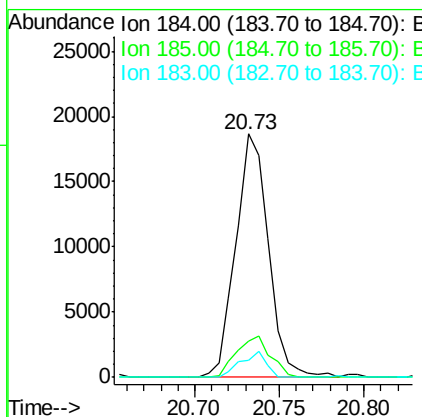
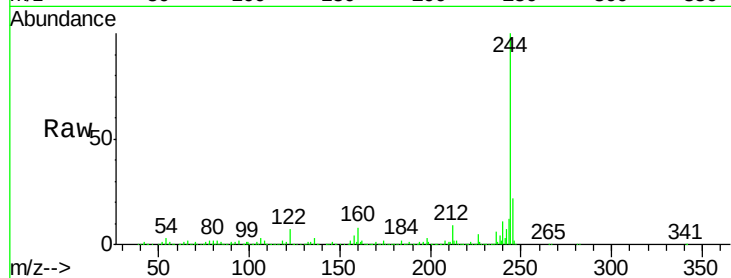




#76
Benzidine
Concen: 2.426 ng
RT: 20.73 min Scan# 2969
Delta R.T. 0.34 min
Lab File: BG033364.D
Acq: 27 Mar 2018 16:27

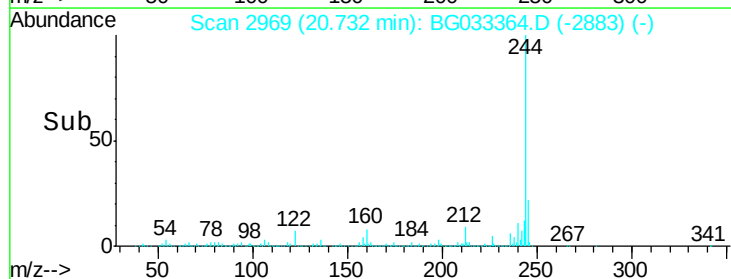
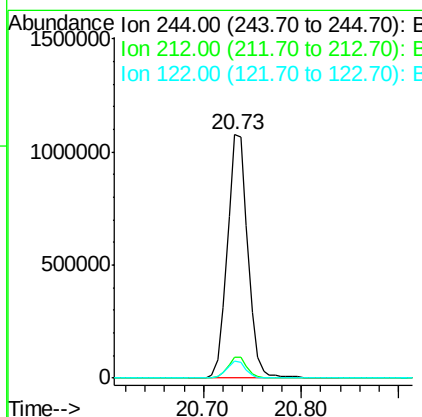
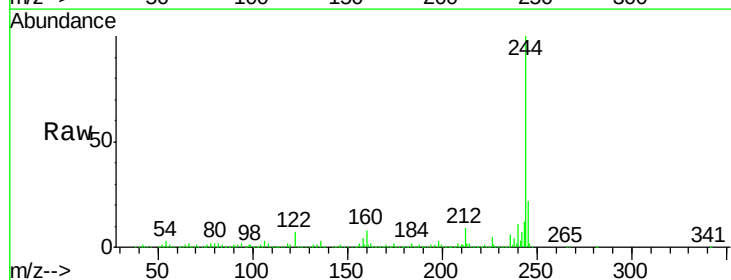
Instrument :
BNA_G
ClientSampled :

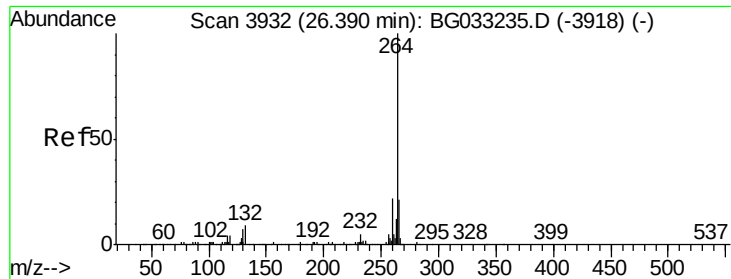
Tot Ion:184 Resp: 25297
Ion Ratio Lower Upper
184 100
185 14.8 11.1 16.7
183 7.2 10.6 16.0#



#78
Terphenyl-d14
Concen: 86.838 ng
RT: 20.73 min Scan# 2969
Delta R.T. -0.03 min
Lab File: BG033364.D
Acq: 27 Mar 2018 16:27

Tgt Ion:244 Resp: 1561374
Ion Ratio Lower Upper
244 100
212 8.7 5.8 8.8
122 7.3 7.0 10.4





#86
 Pervlone-d12
 Concen: 20.000 ng
 RT: 26.33 min Scan# 3921
 Delta R.T. -0.06 min
 Lab File: BG033364.D
 Acq: 27 Mar 2018 16:27

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	17.4	26.0
265	21.9	17.7	26.5

