

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032618\
 Data File : BG033360.D
 Acq On : 27 Mar 2018 10:17
 Operator : SJ/JU
 Sample : J2052-02
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 27 10:52:36 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

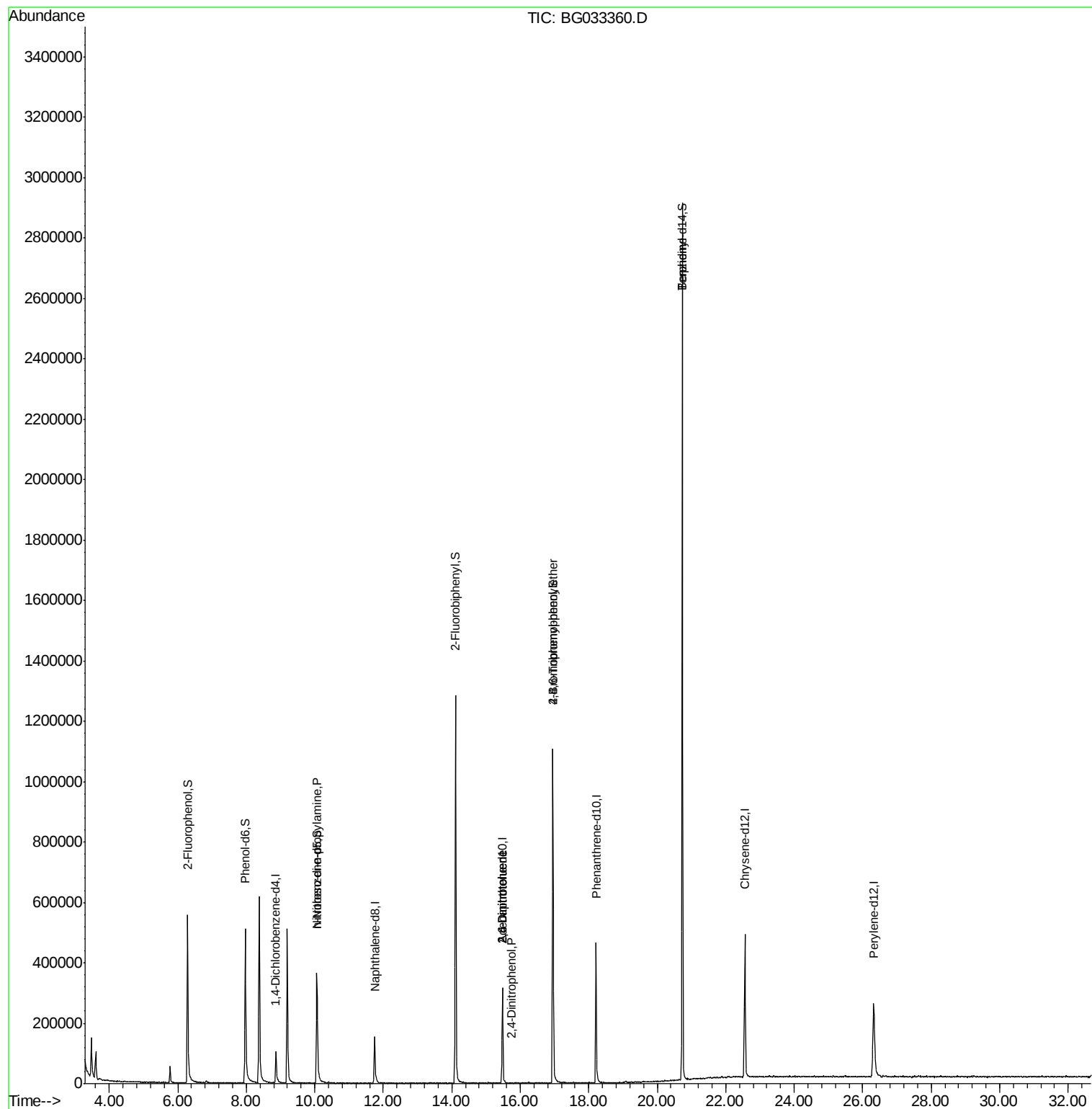
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	39402	20.00	ng	-0.03
21) Naphthalene-d8	11.75	136	154717	20.00	ng	-0.03
38) Acenaphthene-d10	15.48	164	123900	20.00	ng	-0.03
63) Phenanthrene-d10	18.21	188	335075	20.00	ng	-0.03
75) Chrysene-d12	22.56	240	359335	20.00	ng	-0.04
86) Perylene-d12	26.32	264	375213	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	282658	134.52	ng	-0.02
7) Phenol-d6	7.97	99	374779	103.80	ng	-0.03
23) Nitrobenzene-d5	10.06	82	295419	87.73	ng	-0.03
41) 2,4,6-Tribromophenol	16.96	330	235970	127.34	ng	-0.03
44) 2-Fluorobiphenyl	14.11	172	756362	88.13	ng	-0.03
78) Terphenyl-d14	20.73	244	1472982	87.67	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.06	70	40126	15.167	ng	# 75
50) 2,6-Dinitrotoluene	15.48	165	15828	7.179	ng	# 21
53) 2,4-Dinitrophenol	15.74	184	55	7.686	ng	# 18
56) 2,4-Dinitrotoluene	15.48	165	15985	4.924	ng	# 19
66) 4-Bromophenyl-phenylether	16.96	248	18103	4.600	ng	# 1
76) Benzidine	20.73	184	24013	2.464	ng	# 93

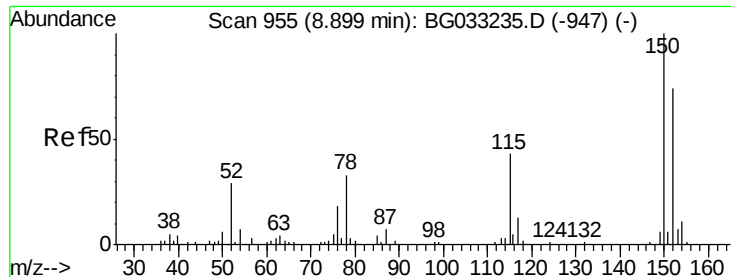
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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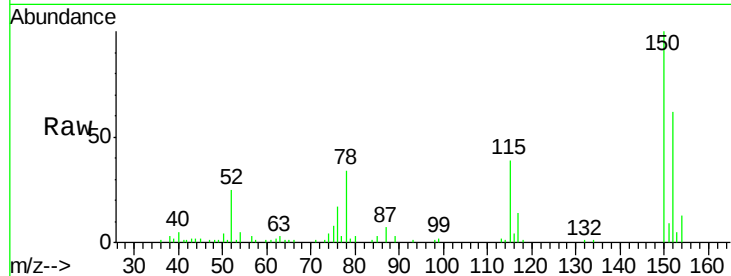


#1

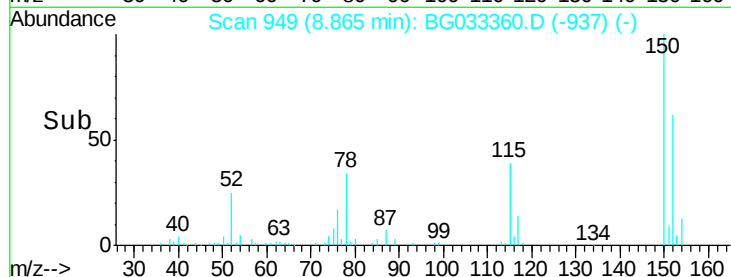
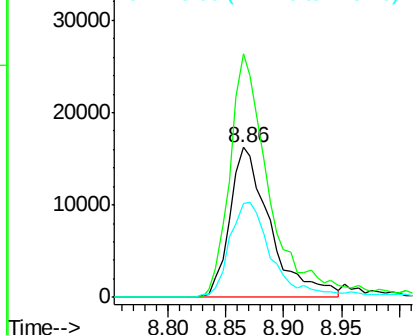
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 949
Delta R.T. -0.03 min
Lab File: BG033360.D
Acq: 27 Mar 2018 10:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.6	126.6	189.8
115	62.8	53.0	79.4



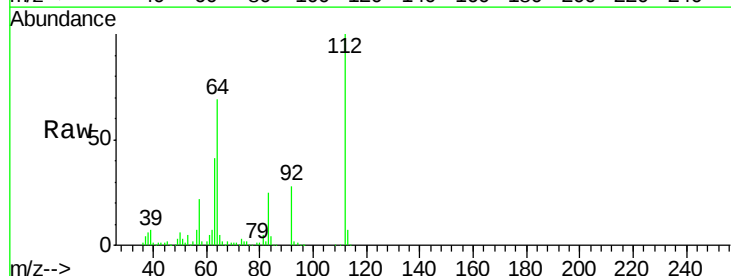
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



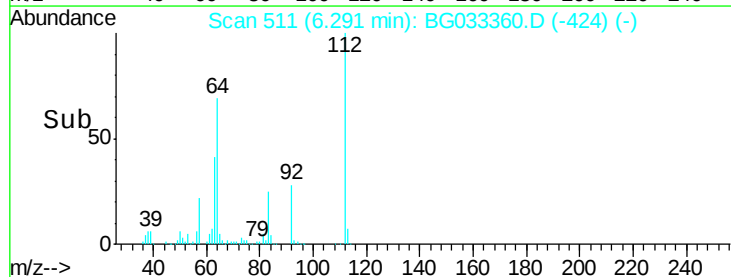
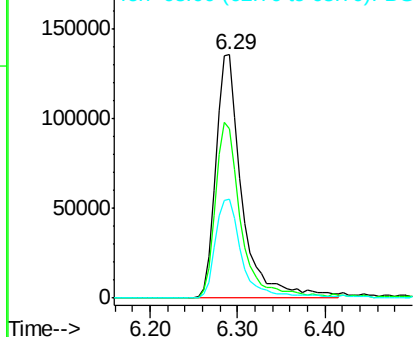
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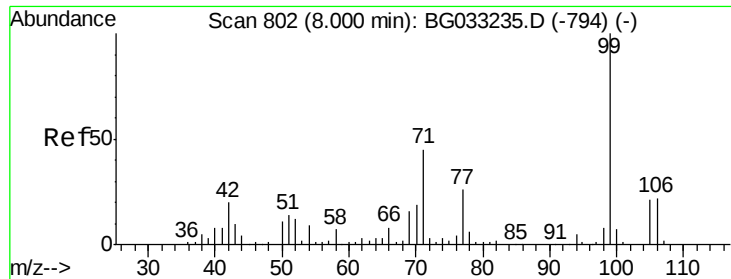
2-Fluorophenol
Concen: 134.515 ng
RT: 6.29 min Scan# 511
Delta R.T. -0.02 min
Lab File: BG033360.D
Acq: 27 Mar 2018 10:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.3	56.3	84.5
63	40.8	30.1	45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 103.803 ng

RT: 7.97 min Scan# 797

Delta R.T. -0.03 min

Lab File: BG033360.D

Acq: 27 Mar 2018 10:17

Instrument :

BNA_G

ClientSampleId :

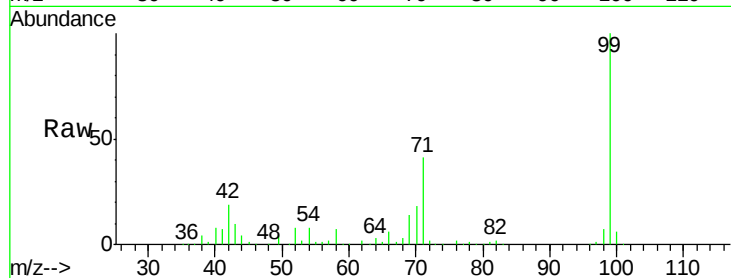
Tot Ion: 99 Resp: 374779

Ion Ratio Lower Upper

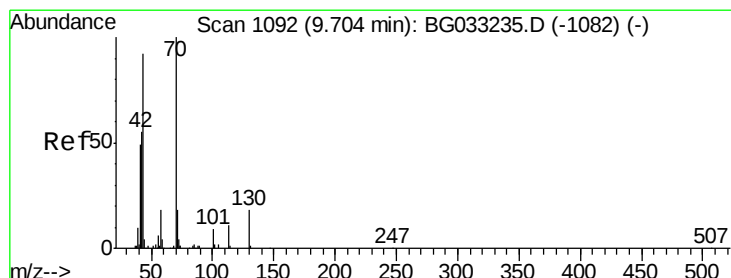
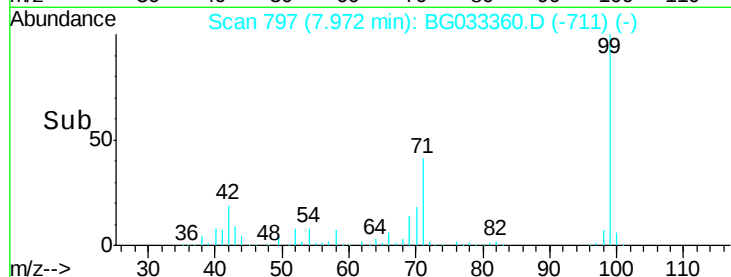
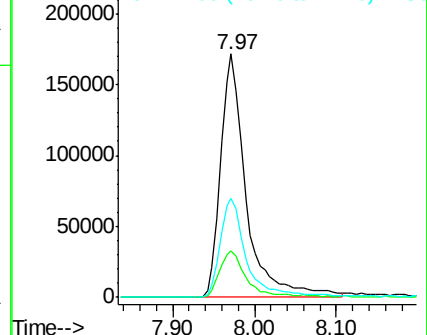
99 100

42 19.1 14.1 21.1

71 40.6 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: 15.167 ng

RT: 10.06 min Scan# 1153

Delta R.T. 0.36 min

Lab File: BG033360.D

Acq: 27 Mar 2018 10:17

Tgt Ion: 70 Resp: 40126

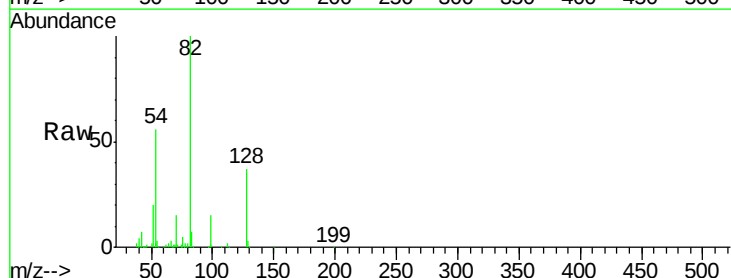
Ion Ratio Lower Upper

70 100

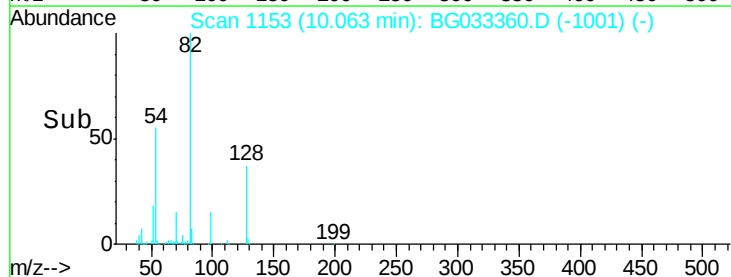
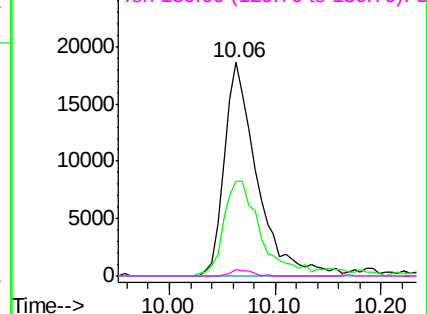
42 44.3 49.1 73.7#

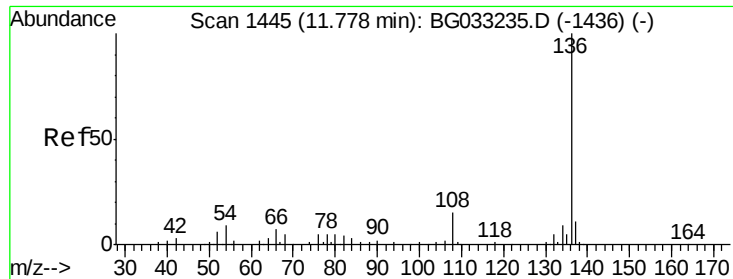
101 0.0 8.5 12.7#

130 3.0 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# 1440

Delta R.T. -0.03 min

Lab File: BG033360.D

Acq: 27 Mar 2018 10:17

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 154717

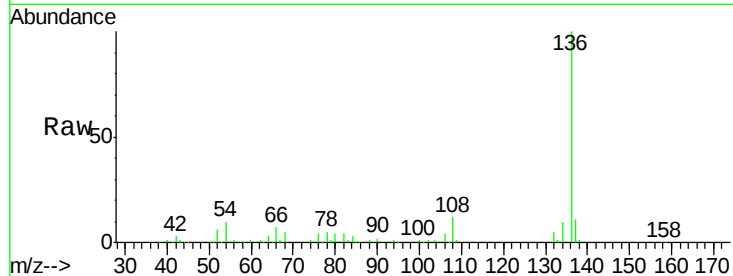
Ion Ratio Lower Upper

136 100

137 10.8 9.2 13.8

54 9.7 10.3 15.5#

68 5.4 4.5 6.7

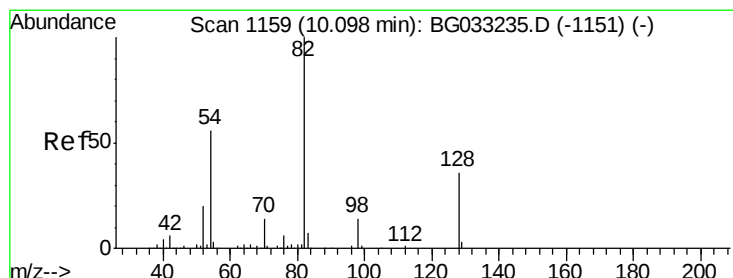
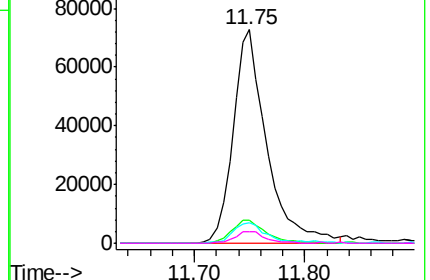
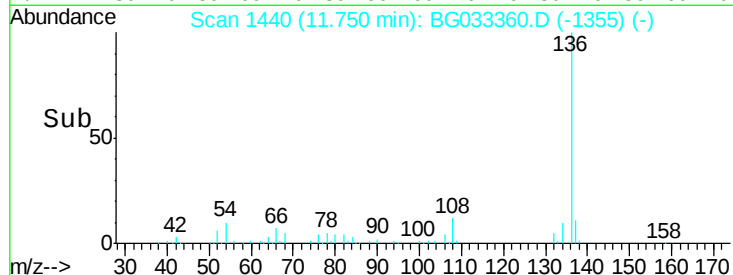


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.726 ng

RT: 10.06 min Scan# 1153

Delta R.T. -0.03 min

Lab File: BG033360.D

Acq: 27 Mar 2018 10:17

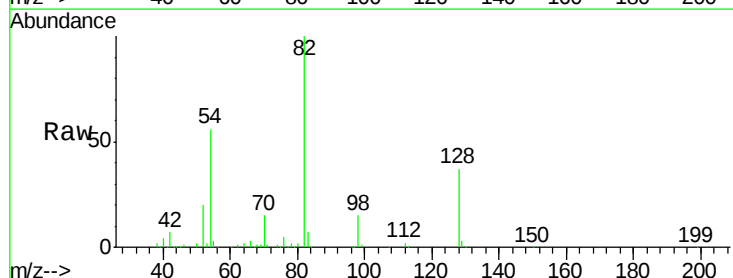
Tgt Ion: 82 Resp: 295419

Ion Ratio Lower Upper

82 100

128 36.8 29.7 44.5

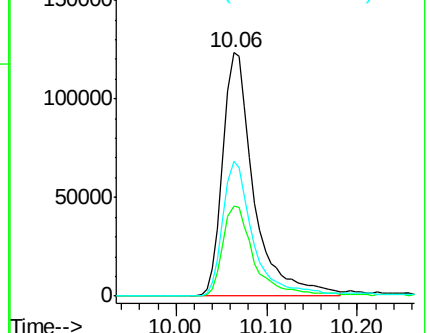
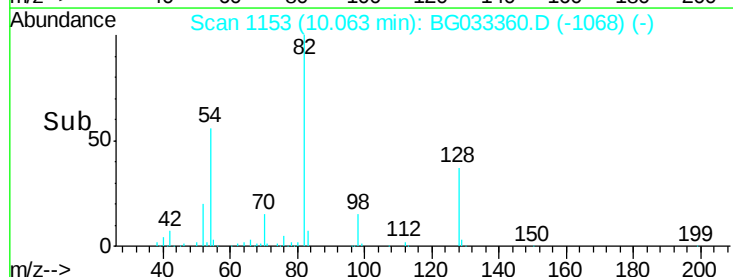
54 55.6 43.1 64.7

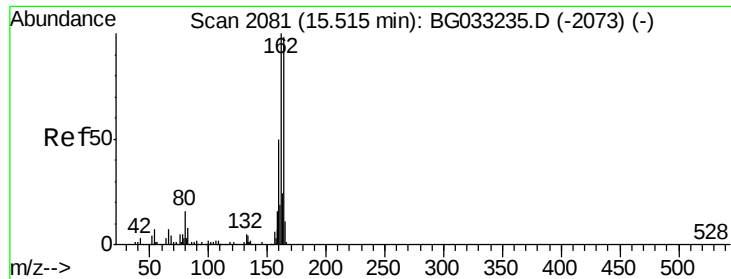


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

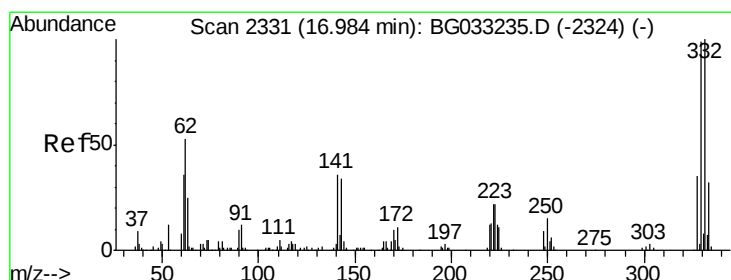
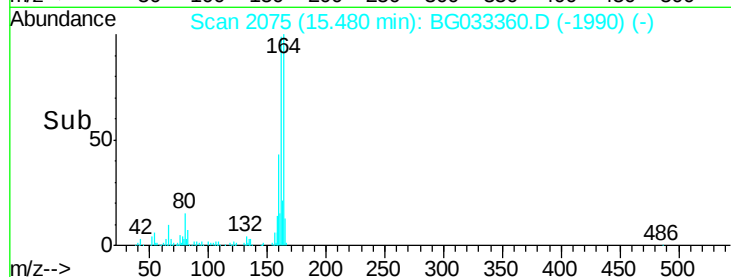
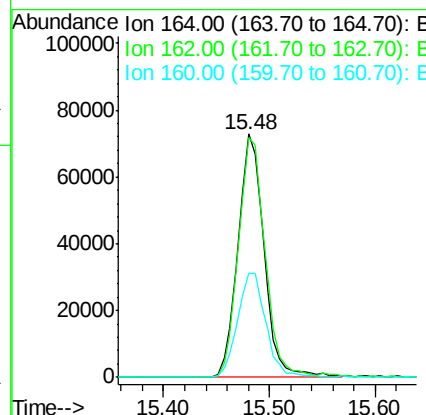
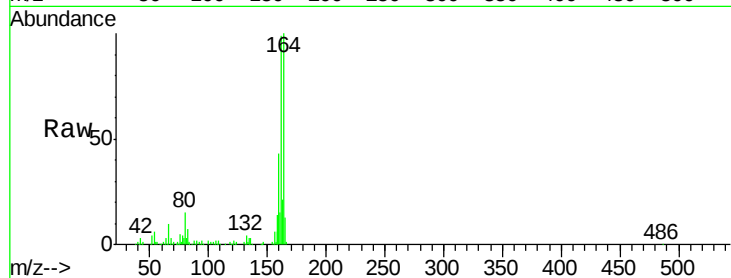




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.48 min Scan# 2075
 Delta R.T. -0.03 min
 Lab File: BG033360.D
 Acq: 27 Mar 2018 10:17

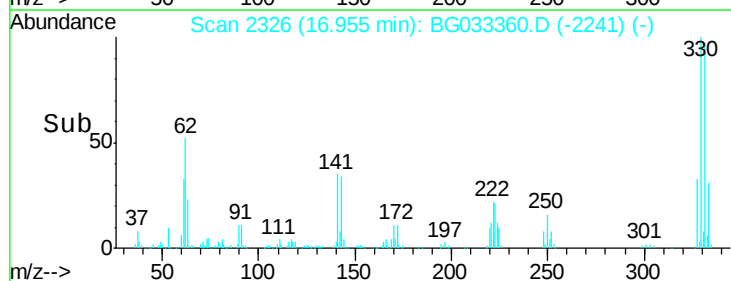
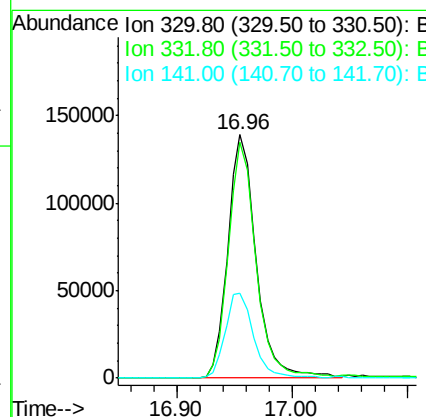
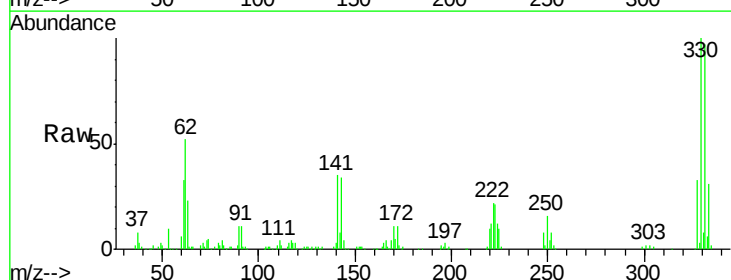
Instrument :
 BNA_G
 ClientSampleId :

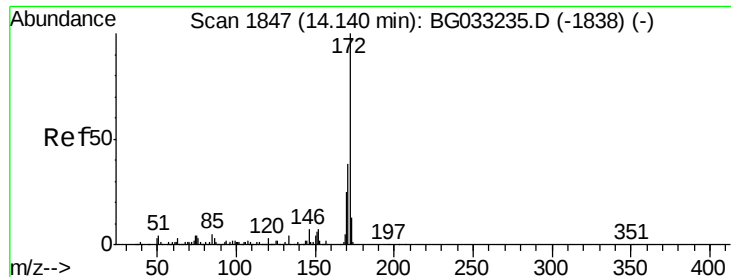
Tot Ion:164 Resp: 123900
 Ion Ratio Lower Upper
 164 100
 162 98.7 78.8 118.2
 160 42.8 35.4 53.0



#41
 2,4,6-Tribromophenol
 Concen: 127.340 ng
 RT: 16.96 min Scan# 2326
 Delta R.T. -0.03 min
 Lab File: BG033360.D
 Acq: 27 Mar 2018 10:17

Tgt Ion:330 Resp: 235970
 Ion Ratio Lower Upper
 330 100
 332 95.3 77.0 115.6
 141 35.3 25.2 37.8

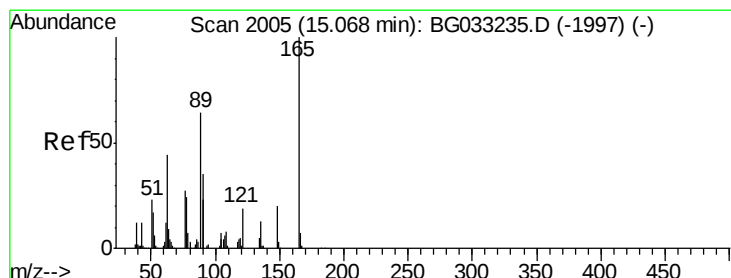
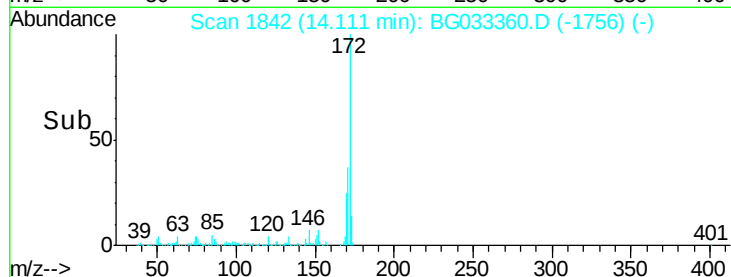
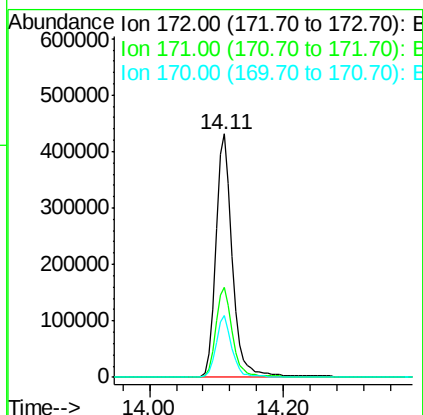
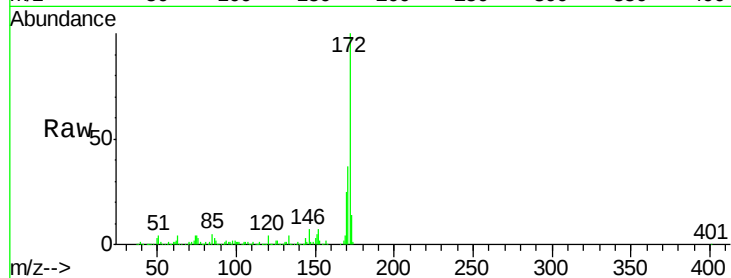




#44
 2-Fluorobiphenyl
 Concen: 88.128 ng
 RT: 14.11 min Scan# 1842
 Delta R.T. -0.03 min
 Lab File: BG033360.D
 Acq: 27 Mar 2018 10:17

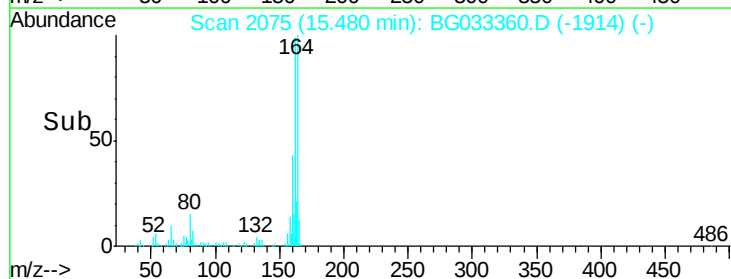
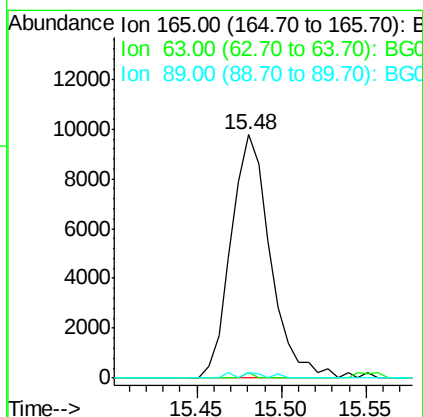
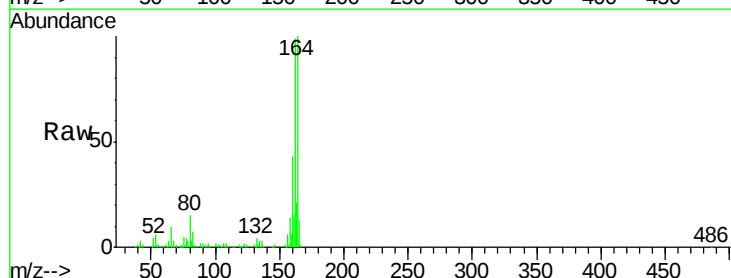
Instrument :
 BNA_G
 ClientSampled :

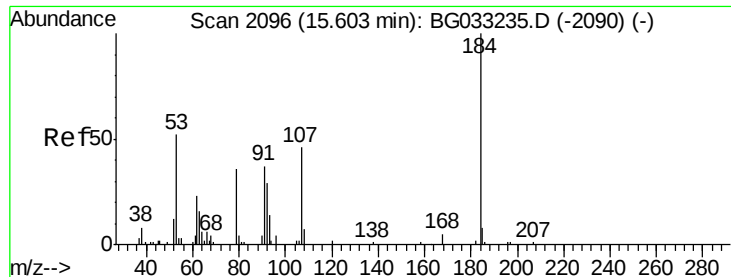
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.0	45.0
170	25.2	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.179 ng
 RT: 15.48 min Scan# 2075
 Delta R.T. 0.41 min
 Lab File: BG033360.D
 Acq: 27 Mar 2018 10:17

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.3	52.7	79.1#
89	2.1	49.2	73.8#

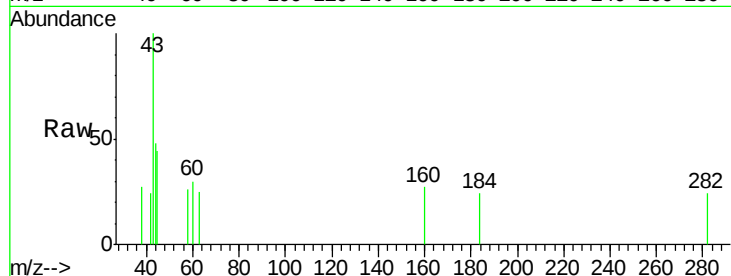




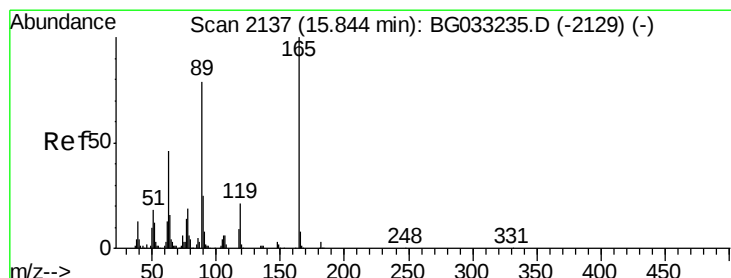
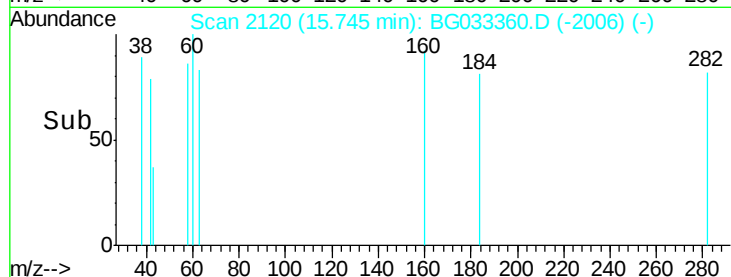
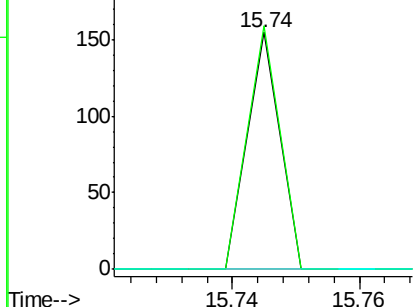
#53
2,4-Dinitrophenol
Concen: 7.686 ng
RT: 15.74 min Scan# 2120
Delta R.T. 0.14 min
Lab File: BG033360.D
Acq: 27 Mar 2018 10:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion:184 Resp: 55
Ion Ratio Lower Upper
184 100
63 102.6 59.8 89.8#
154 0.0 101.8 152.8#

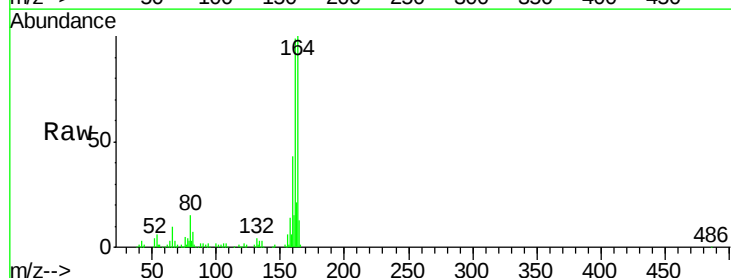


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

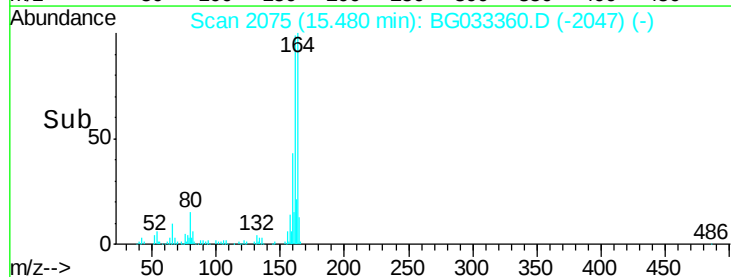
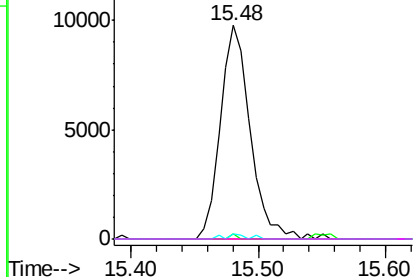


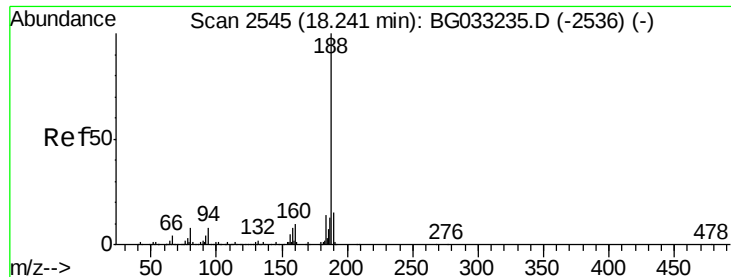
#56
2,4-Dinitrotoluene
Concen: 4.924 ng
RT: 15.48 min Scan# 2075
Delta R.T. -0.37 min
Lab File: BG033360.D
Acq: 27 Mar 2018 10:17

Tgt Ion:165 Resp: 15985
Ion Ratio Lower Upper
165 100
63 2.3 42.0 63.0#
89 2.1 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

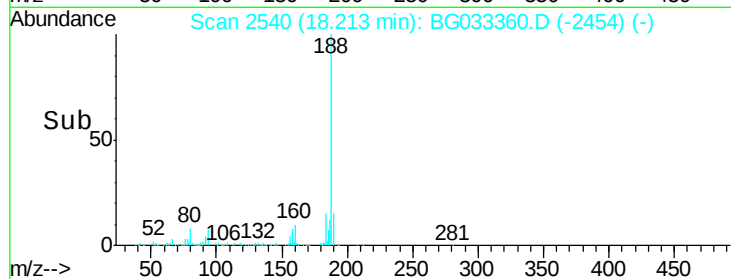
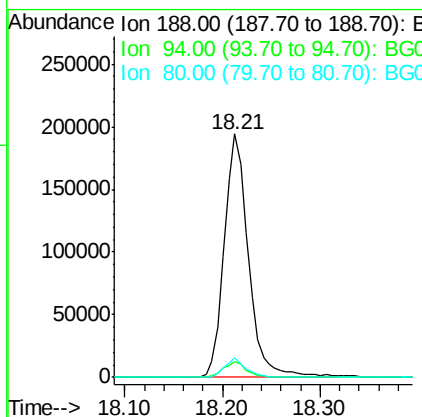
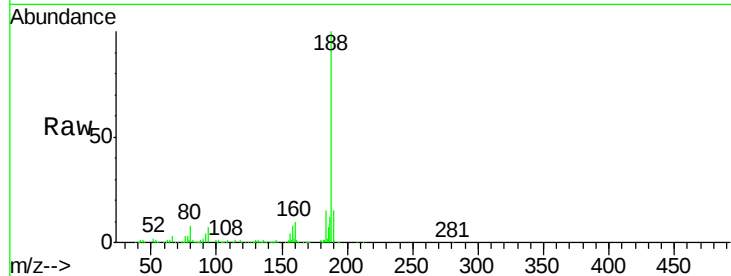




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.21 min Scan# 2540
Delta R.T. -0.03 min
Lab File: BG033360.D
Acq: 27 Mar 2018 10:17

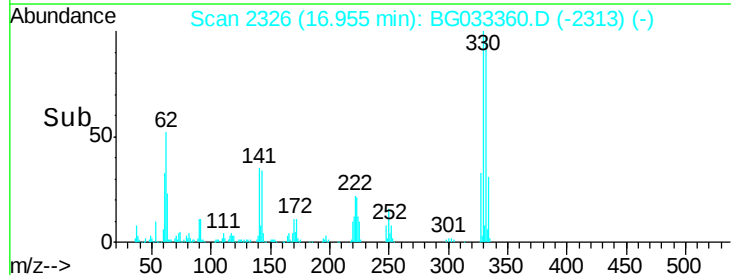
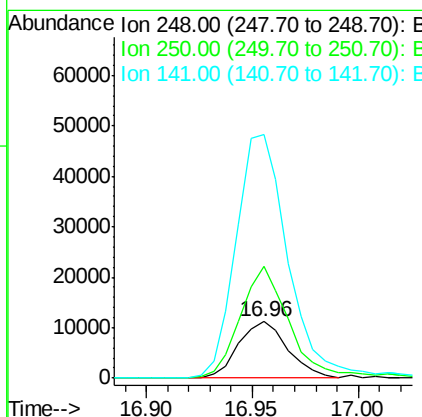
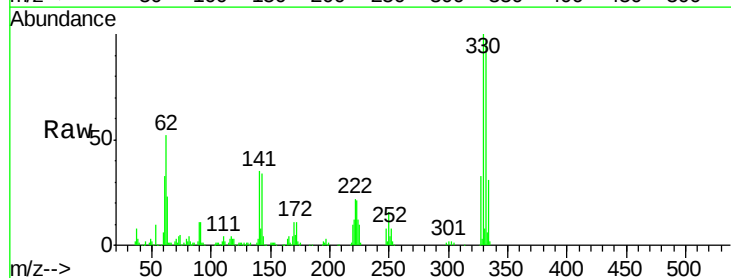
Instrument :
BNA_G
ClientSampleId :

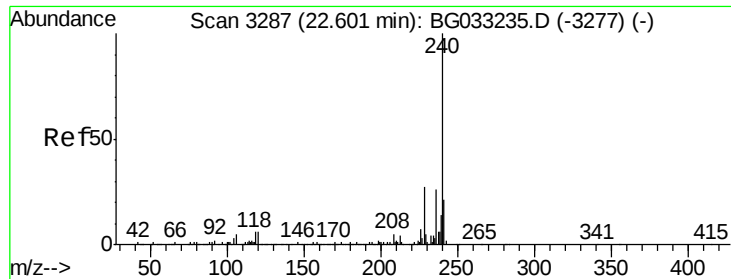
Tot Ion	Ratio	Lower	Upper
188	100		
94	6.7	6.9	10.3#
80	8.2	7.7	11.5



#66
4-Bromophenyl-phenylether
Concen: 4.600 ng
RT: 16.96 min Scan# 2326
Delta R.T. -0.45 min
Lab File: BG033360.D
Acq: 27 Mar 2018 10:17

Tgt Ion	Ratio	Lower	Upper
248	100		
250	198.3	77.1	115.7#
141	429.5	50.8	76.2#

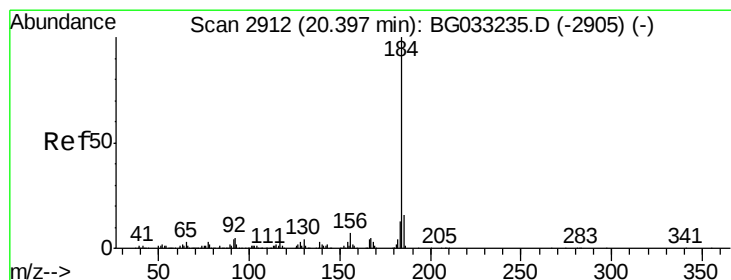
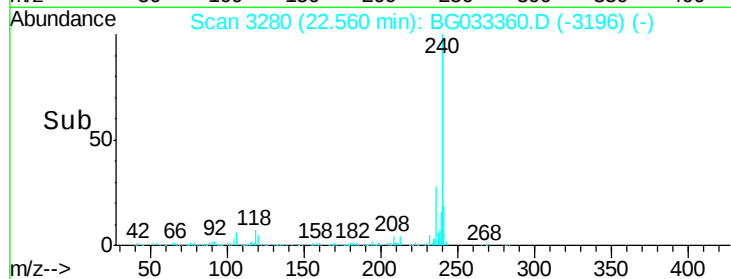
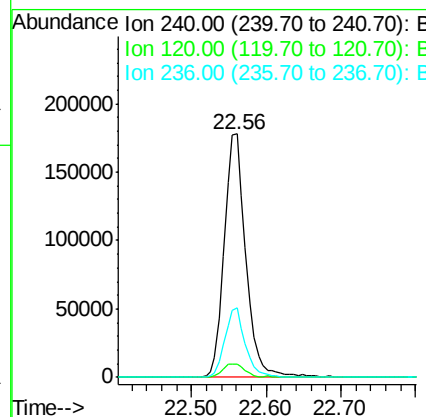
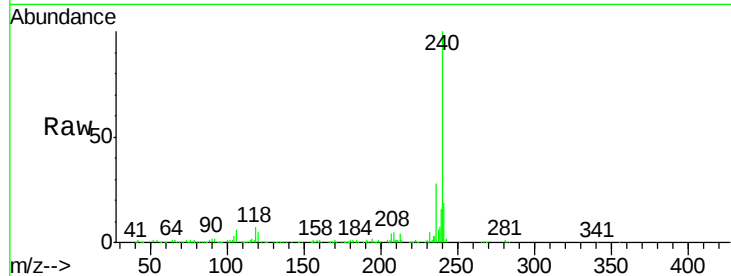




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.56 min Scan# 3280
 Delta R.T. -0.04 min
 Lab File: BG033360.D
 Acq: 27 Mar 2018 10:17

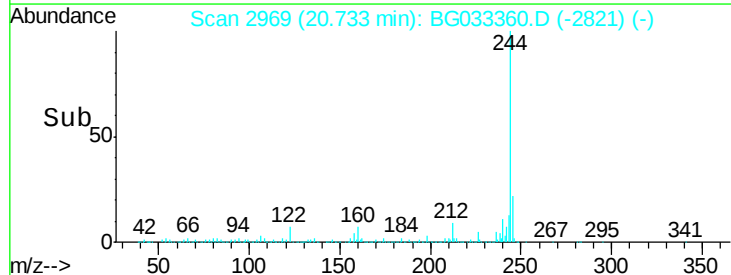
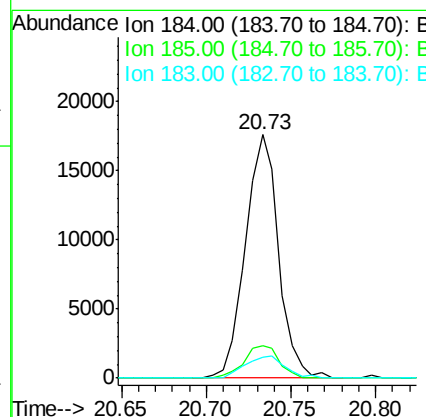
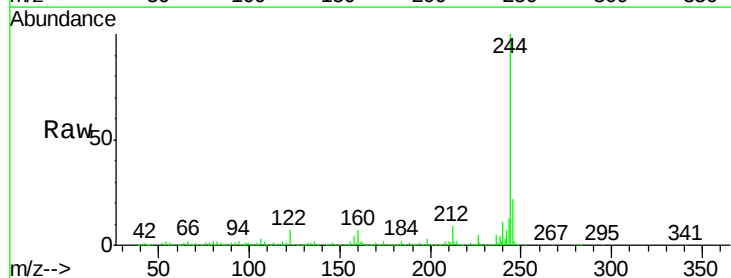
Instrument :
 BNA_G
 ClientSampled :

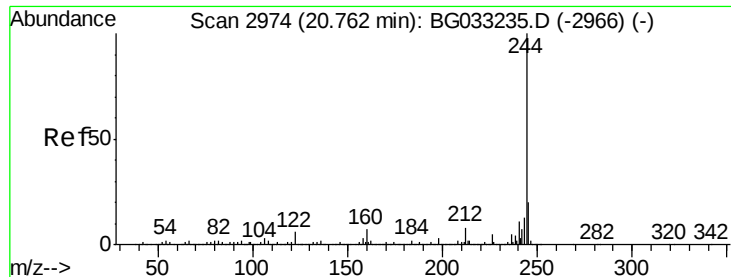
Tot Ion	Ratio	Lower	Upper
240	100		
120	5.4	6.8	10.2#
236	28.4	20.9	31.3



#76
 Benzidine
 Concen: 2.464 ng
 RT: 20.73 min Scan# 2969
 Delta R.T. 0.34 min
 Lab File: BG033360.D
 Acq: 27 Mar 2018 10:17

Tgt Ion	Ratio	Lower	Upper
184	100		
185	13.1	11.1	16.7
183	8.6	10.6	16.0#





#78

Terphenyl-d14

Concen: 87.666 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.03 min

Lab File: BG033360.D

Acq: 27 Mar 2018 10:17

Instrument :

BNA_G

ClientSampled :

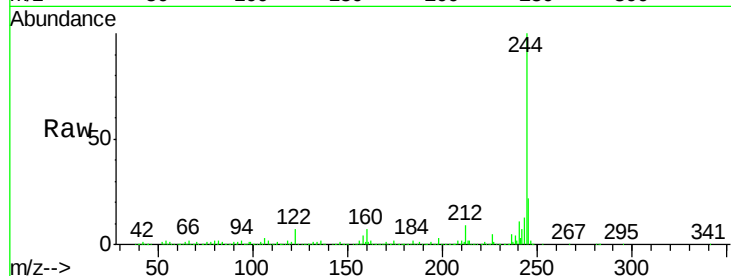
Tot Ion:244 Resp: 1472982

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8#

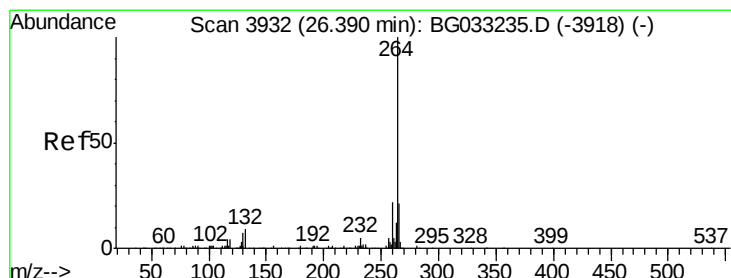
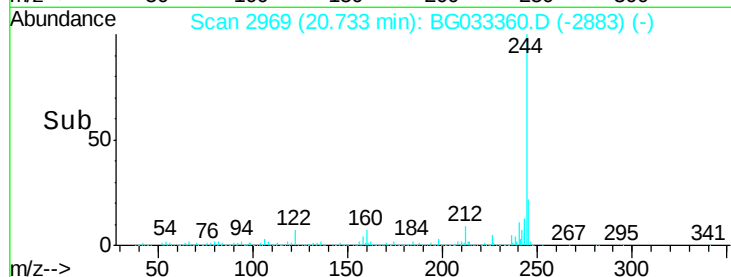
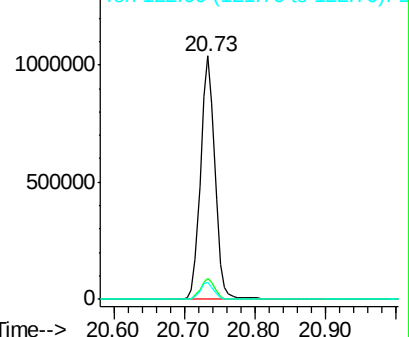
122 6.8 7.0 10.4#



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: BG033360.D

Acq: 27 Mar 2018 10:17

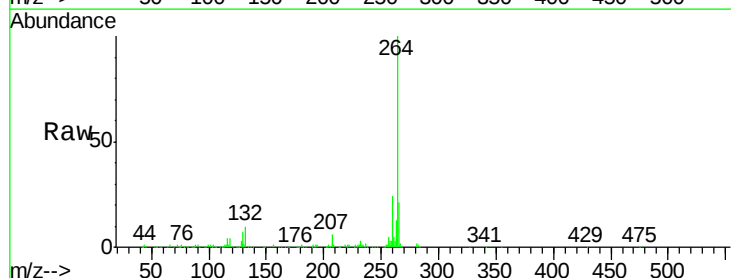
Tgt Ion:264 Resp: 375213

Ion Ratio Lower Upper

264 100

260 24.1 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

