

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040618\
 Data File : BG033663.D
 Acq On : 7 Apr 2018 13:03
 Operator : SJ/JU
 Sample : J2225-08
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 09 02:01:42 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 05 17:36:07 2018
 Response via : Initial Calibration

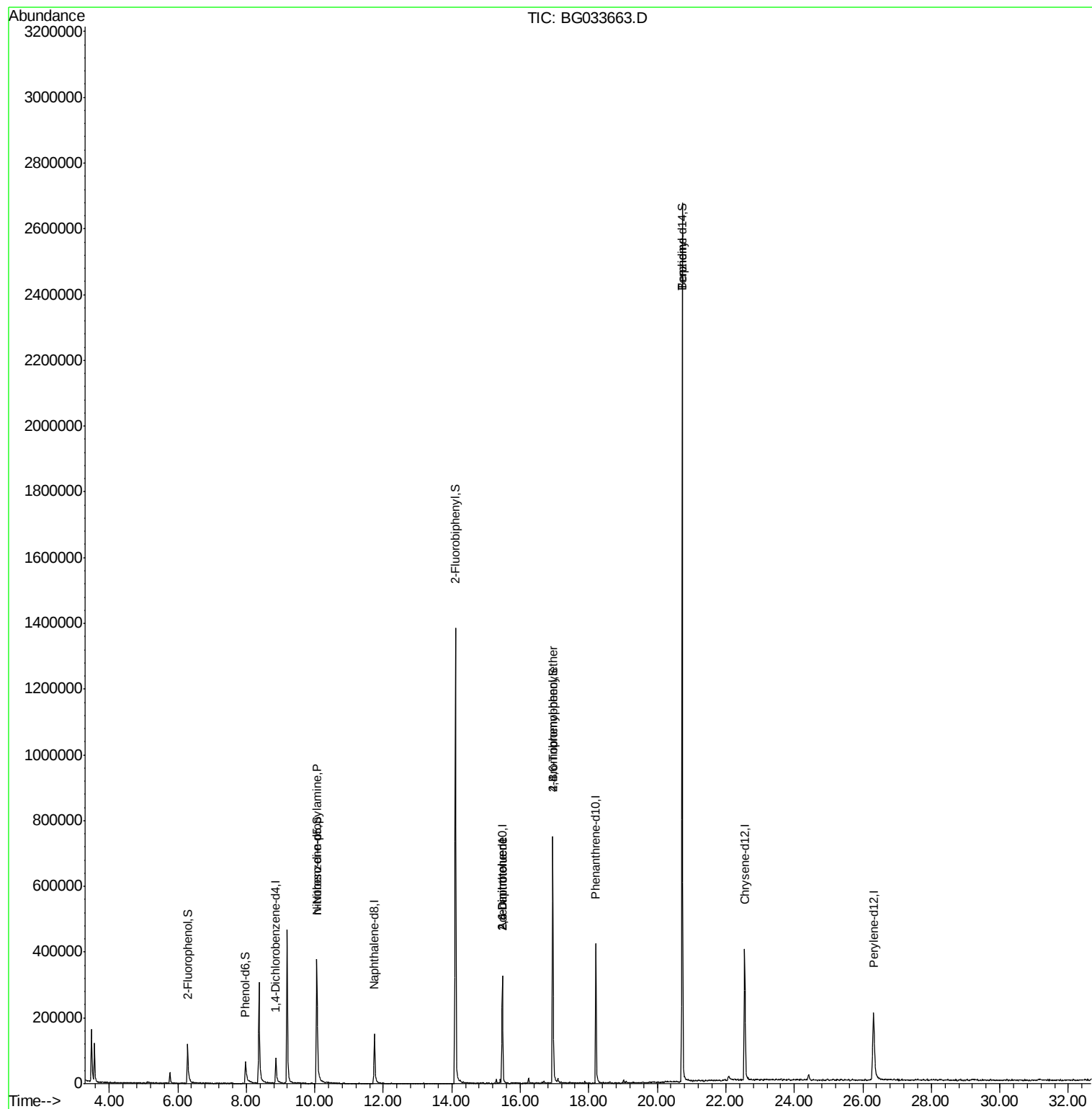
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	32069	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	153111	20.00	ng	0.00
38) Acenaphthene-d10	15.48	164	121414	20.00	ng	0.00
63) Phenanthrene-d10	18.20	188	306676	20.00	ng	0.00
75) Chrysene-d12	22.55	240	306357	20.00	ng	0.00
86) Perylene-d12	26.32	264	317350	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.28	112	69011	40.35	ng	0.00
7) Phenol-d6	7.98	99	59299	20.18	ng	0.00
23) Nitrobenzene-d5	10.06	82	315136	94.56	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	144699	79.68	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	779685	92.71	ng	0.00
78) Terphenyl-d14	20.73	244	1334510	93.16	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.06	70	43794	20.339	ng	# 78
50) 2,6-Dinitrotoluene	15.48	165	16093	7.449	ng	# 18
56) 2,4-Dinitrotoluene	15.48	165	16093	5.059	ng	# 16
66) 4-Bromophenyl-phenylether	16.95	248	10606	2.945	ng	# 1
76) Benzidine	20.73	184	22992	2.767	ng	# 93

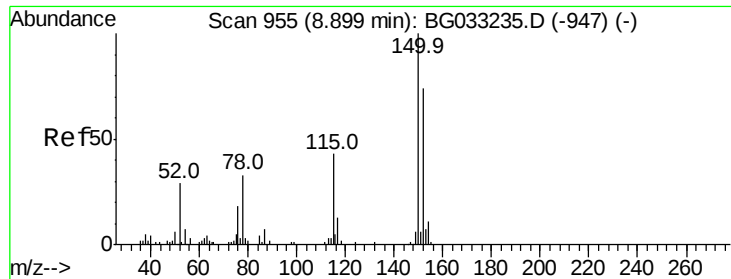
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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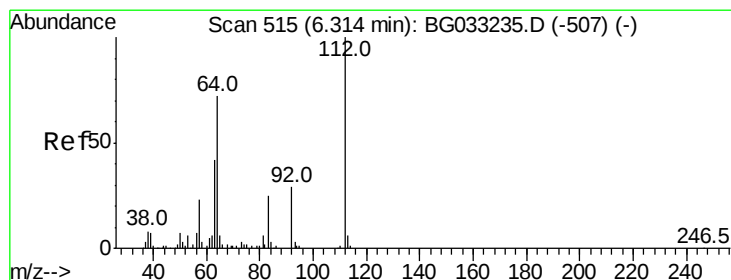
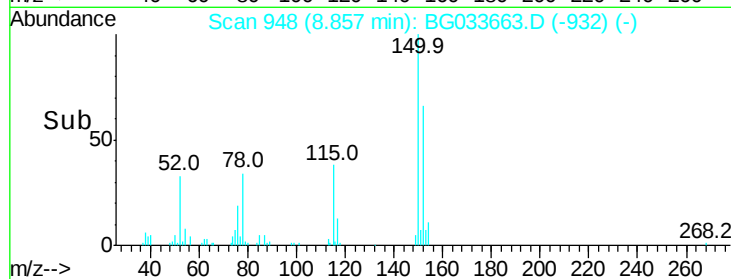
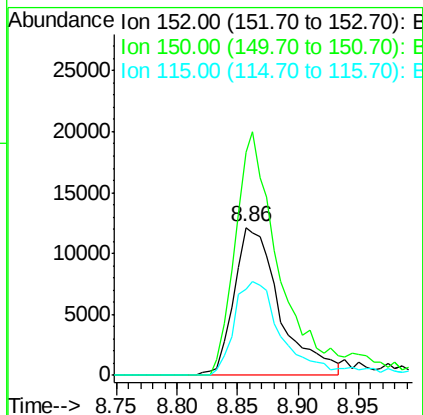
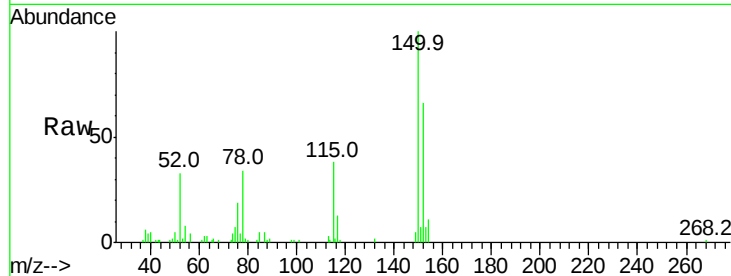


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 948
Delta R.T. -0.01 min
Lab File: BG033663.D
Acq: 7 Apr 2018 13:03

Instrument :
BNA_G
ClientSampled :

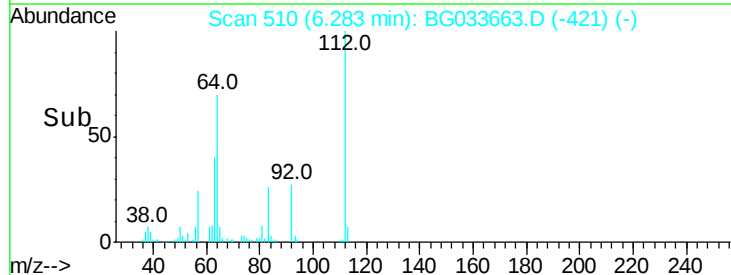
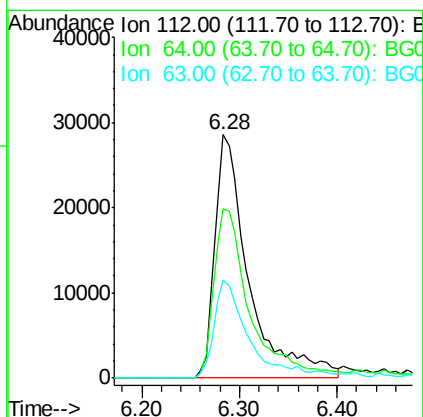
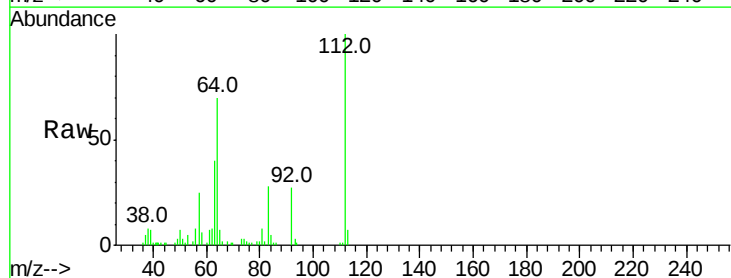
Tot Ion:152 Resp: 32069
Ion Ratio Lower Upper
152 100
150 151.2 126.6 189.8
115 58.2 53.0 79.4

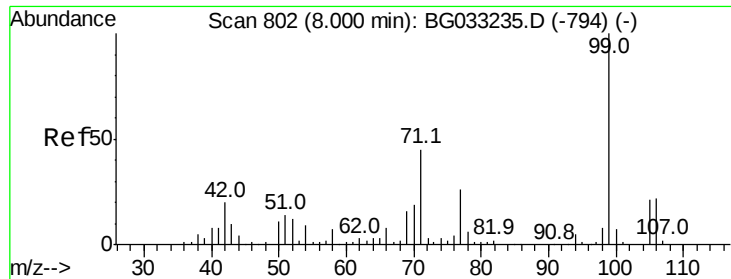


#5

2-Fluorophenol
Concen: 40.352 ng
RT: 6.28 min Scan# 510
Delta R.T. -0.01 min
Lab File: BG033663.D
Acq: 7 Apr 2018 13:03

Tgt Ion:112 Resp: 69011
Ion Ratio Lower Upper
112 100
64 69.6 56.3 84.5
63 40.4 30.1 45.1





#7

Phenol-d6

Concen: 20.180 ng

RT: 7.98 min Scan# 798

Delta R.T. 0.00 min

Lab File: BG033663.D

Acq: 7 Apr 2018 13:03

Instrument :

BNA_G

ClientSampleId :

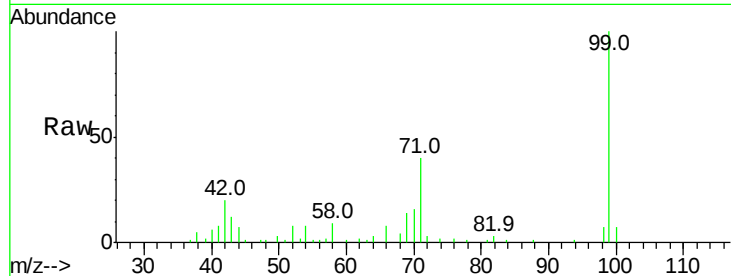
Tot Ion: 99 Resp: 59299

Ion Ratio Lower Upper

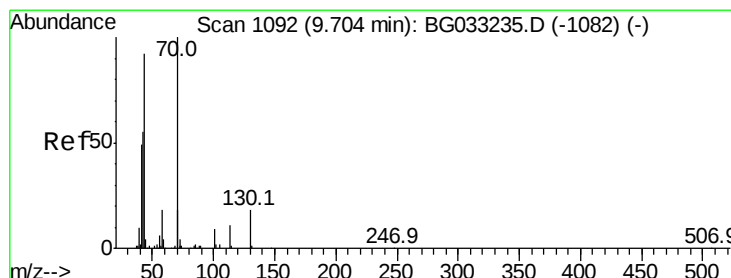
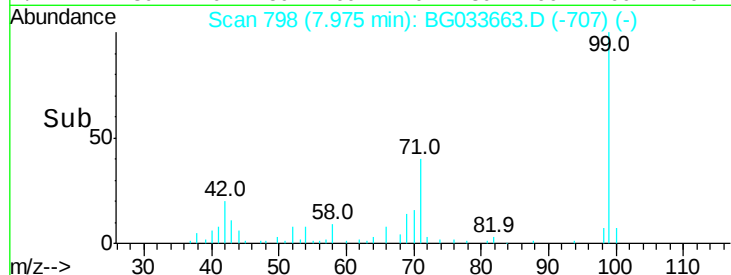
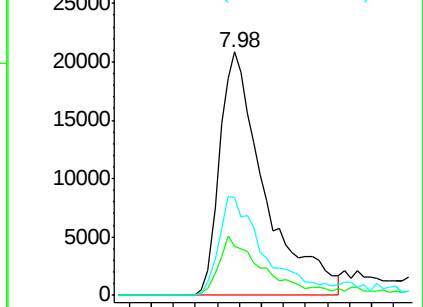
99 100

42 20.1 14.1 21.1

71 40.4 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: 20.339 ng

RT: 10.06 min Scan# 1153

Delta R.T. 0.40 min

Lab File: BG033663.D

Acq: 7 Apr 2018 13:03

Tgt Ion: 70 Resp: 43794

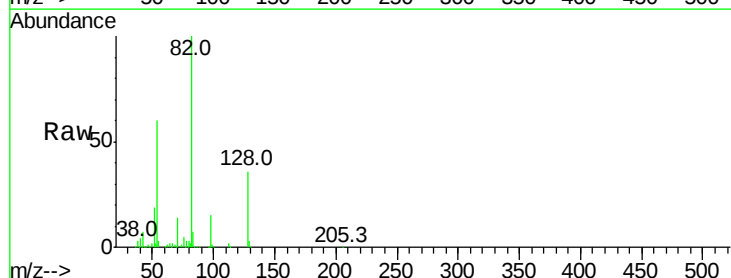
Ion Ratio Lower Upper

70 100

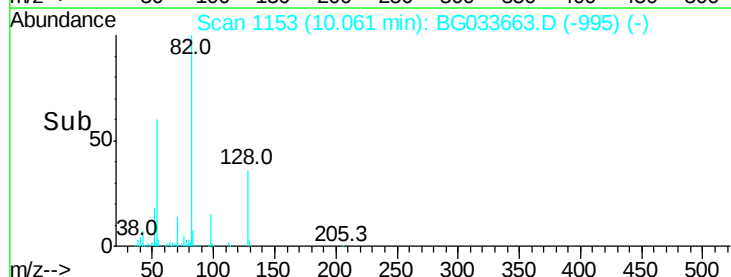
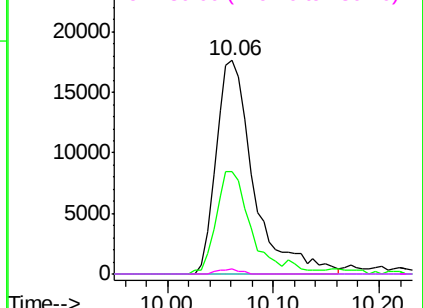
42 47.7 49.1 73.7#

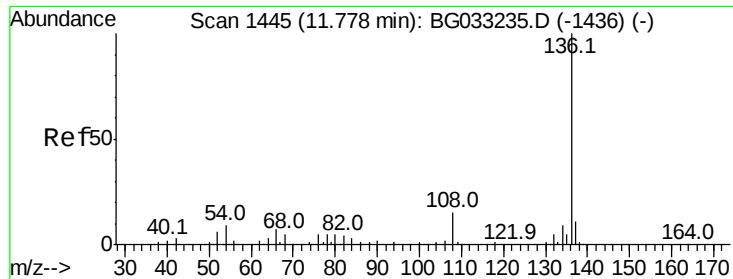
101 0.0 8.5 12.7#

130 2.4 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

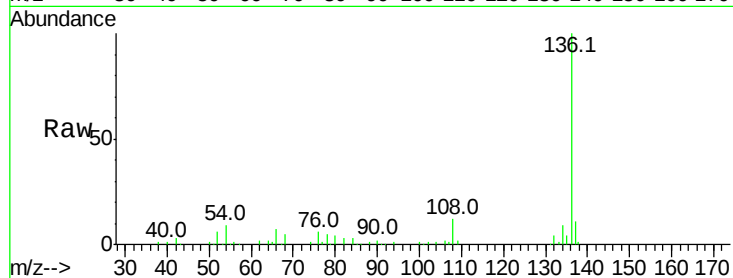




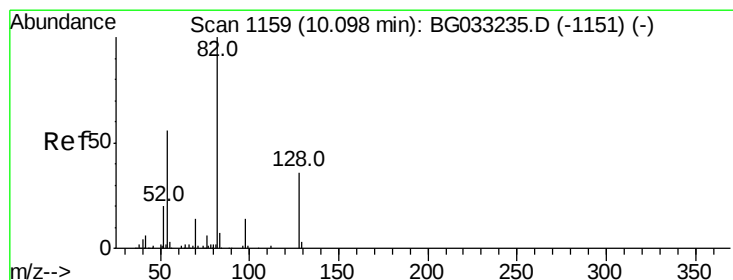
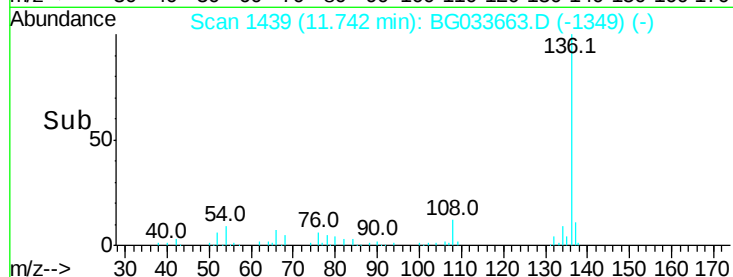
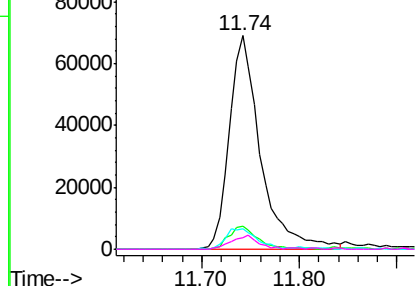
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.74 min Scan# 1439
Delta R.T. -0.00 min
Lab File: BG033663.D
Acq: 7 Apr 2018 13:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	153111
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	9.3	10.3	15.5#
68	5.5	4.5	6.7

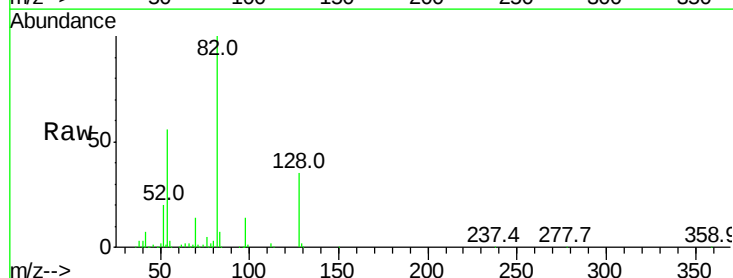


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

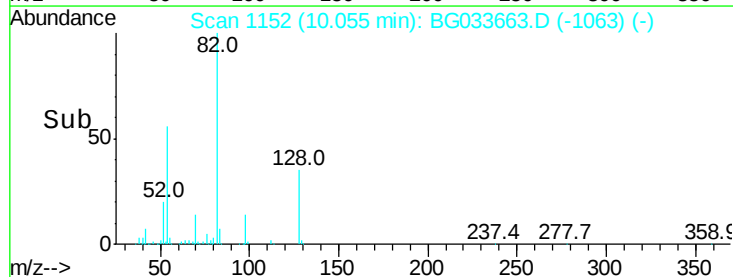
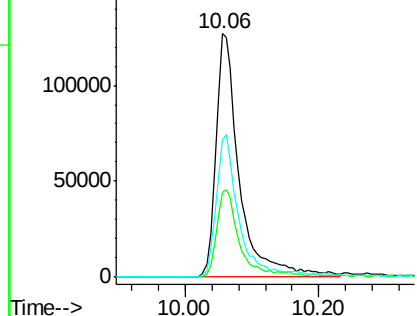


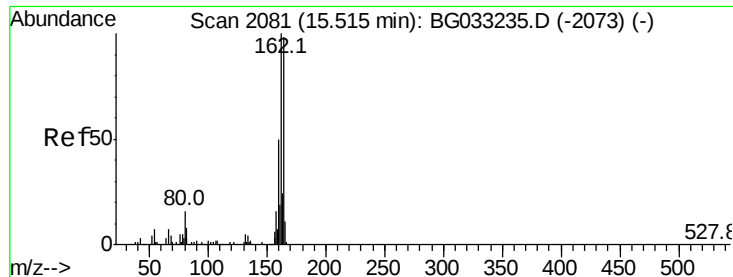
#23
Nitrobenzene-d5
Concen: 94.563 ng
RT: 10.06 min Scan# 1152
Delta R.T. -0.01 min
Lab File: BG033663.D
Acq: 7 Apr 2018 13:03

Tgt Ion:	82	Resp:	315136
Ion	Ratio	Lower	Upper
82	100		
128	35.0	29.7	44.5
54	56.5	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: 15.48 min Scan# 2075

Delta R.T. -0.00 min

Lab File: BG033663.D

Acq: 7 Apr 2018 13:03

Instrument :

BNA_G

ClientSampleId :

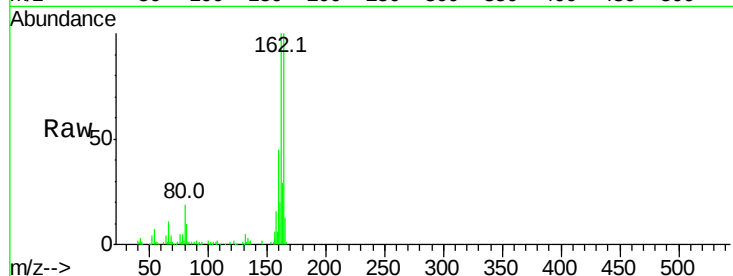
Tot Ion:164 Resp: 121414

Ion Ratio Lower Upper

164 100

162 99.6 78.8 118.2

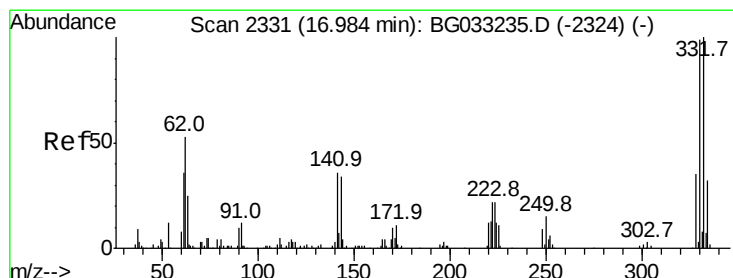
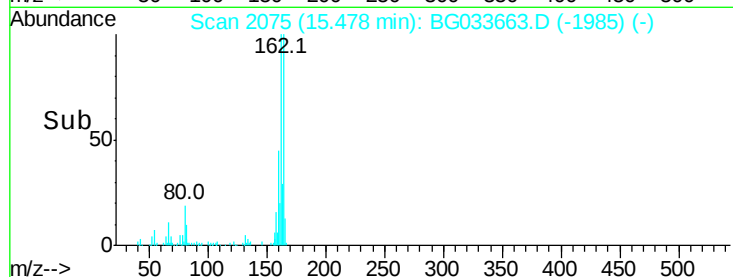
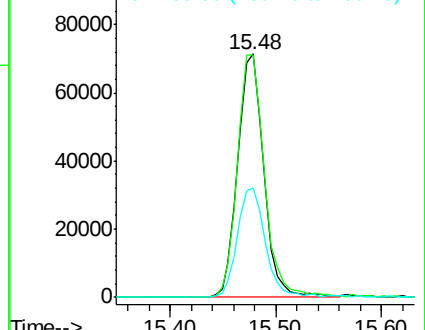
160 45.1 35.4 53.0



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: 79.685 ng

RT: 16.95 min Scan# 2326

Delta R.T. -0.00 min

Lab File: BG033663.D

Acq: 7 Apr 2018 13:03

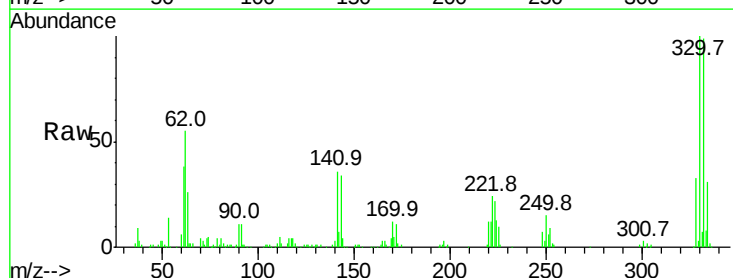
Tgt Ion:330 Resp: 144699

Ion Ratio Lower Upper

330 100

332 98.0 77.0 115.6

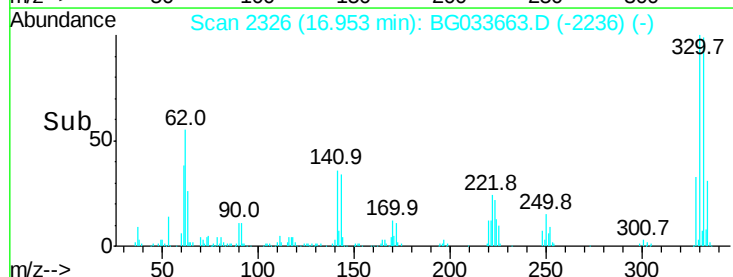
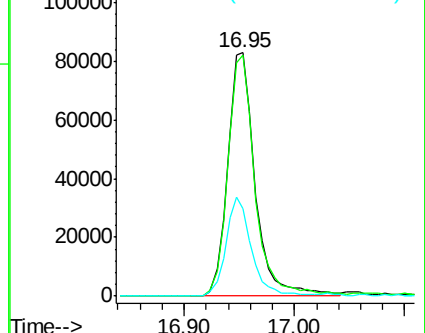
141 37.8 25.2 37.8

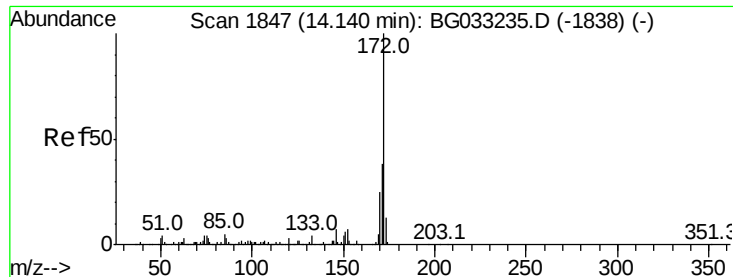


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

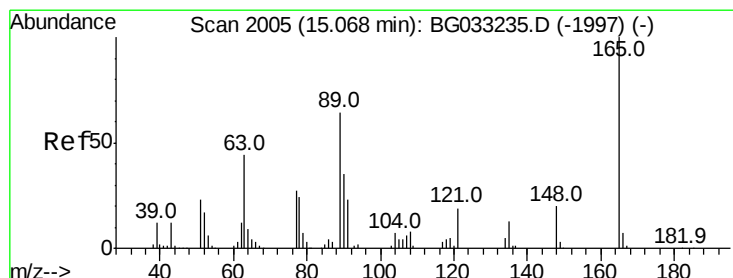
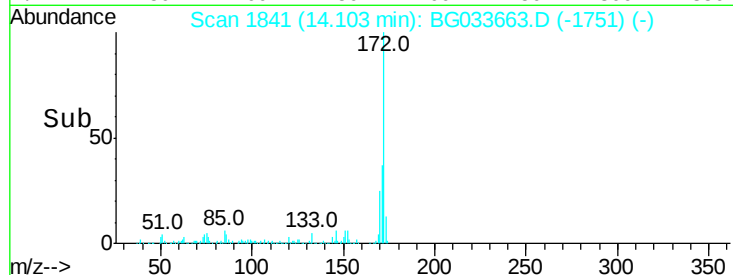
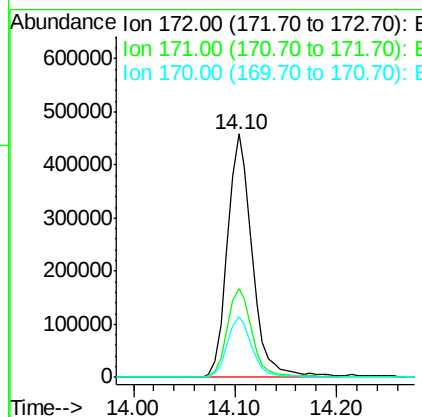
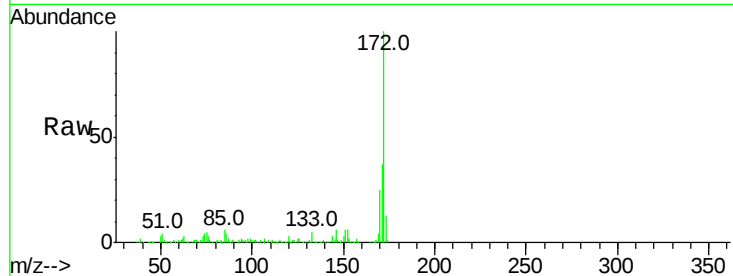




#44
 2-Fluorobiphenyl
 Concen: 92.706 ng
 RT: 14.10 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: BG033663.D
 Acq: 7 Apr 2018 13:03

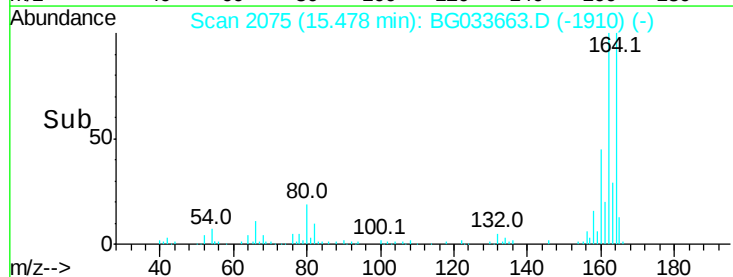
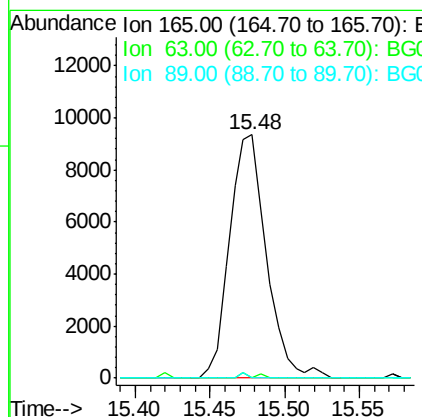
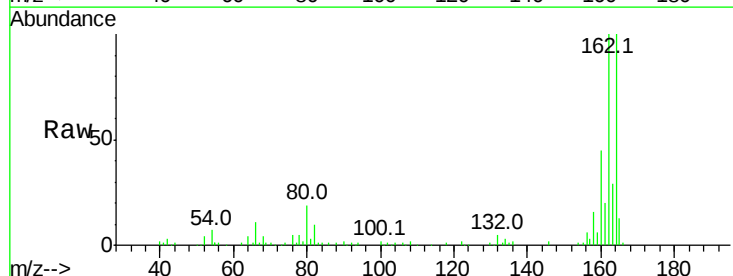
Instrument :
 BNA_G
 ClientSampleId :

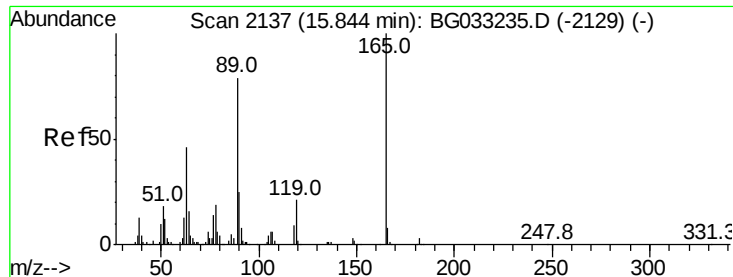
Tot Ion:172 Resp: 779685
 Ion Ratio Lower Upper
 172 100
 171 36.7 30.0 45.0
 170 24.8 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.449 ng
 RT: 15.48 min Scan# 2075
 Delta R.T. 0.44 min
 Lab File: BG033663.D
 Acq: 7 Apr 2018 13:03

Tgt Ion:165 Resp: 16093
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#

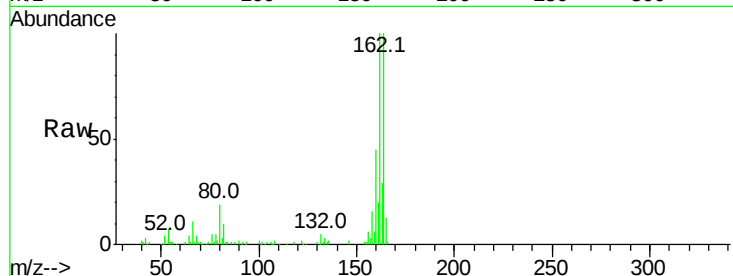




#56
2,4-Dinitrotoluene
Concen: 5.059 ng
RT: 15.48 min Scan# 2075
Delta R.T. -0.34 min
Lab File: BG033663.D
Acq: 7 Apr 2018 13:03

Instrument :
BNA_G
ClientSampleId :

Tot 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#

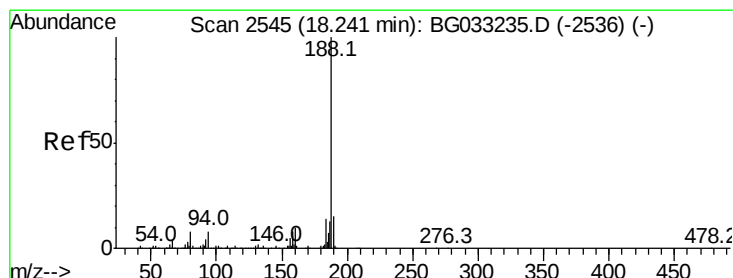
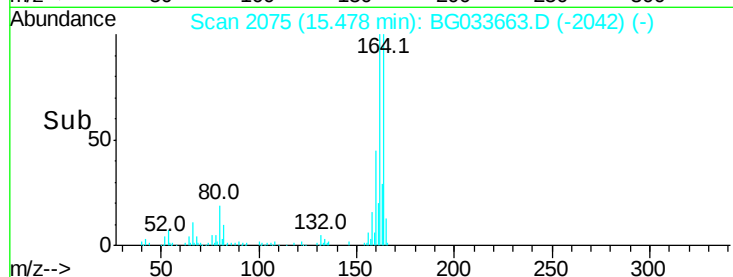
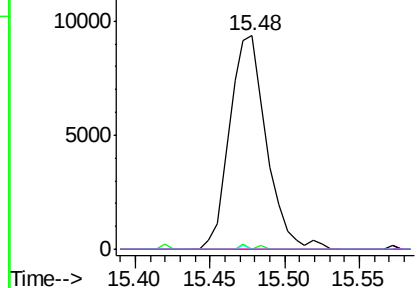


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

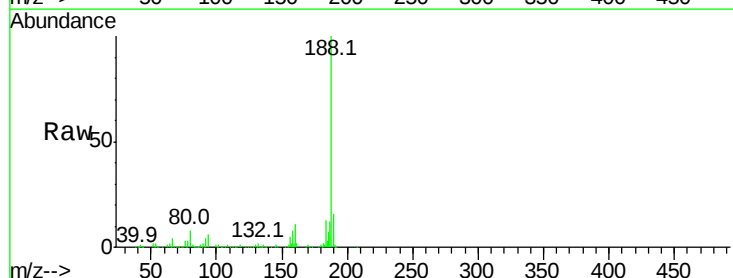
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.20 min Scan# 2539
Delta R.T. -0.01 min
Lab File: BG033663.D
Acq: 7 Apr 2018 13:03

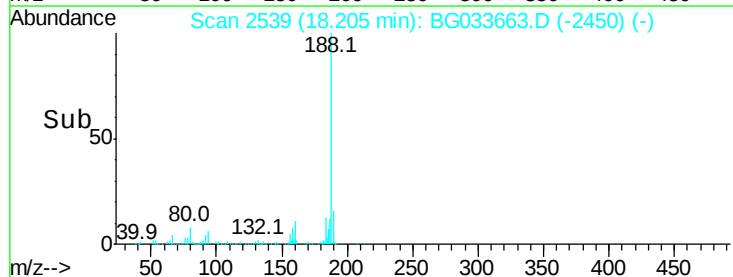
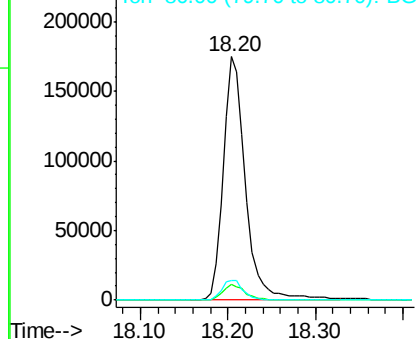
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.4	6.9	10.3#
80	7.9	7.7	11.5

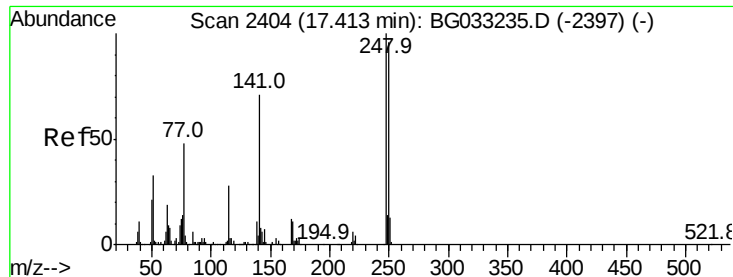


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

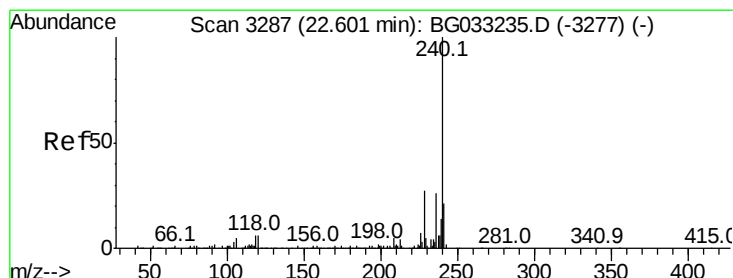
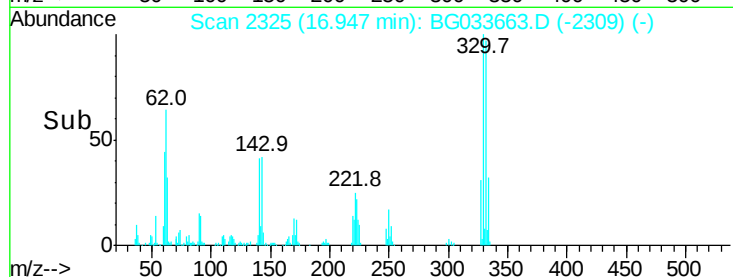
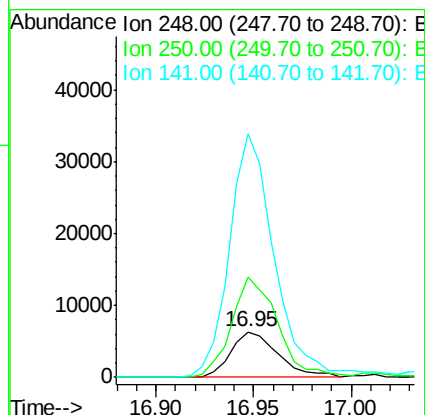
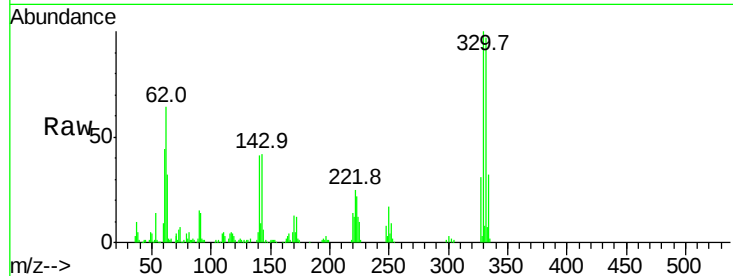




#66
4-Bromophenyl-phenylether
Concen: 2.945 ng
RT: 16.95 min Scan# 2325
Delta R.T. -0.44 min
Lab File: BG033663.D
Acq: 7 Apr 2018 13:03

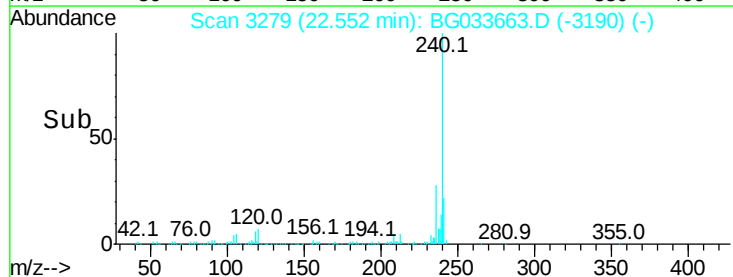
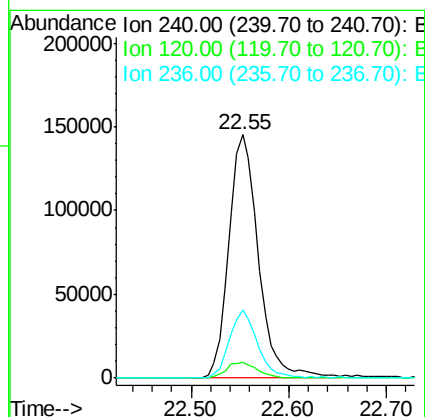
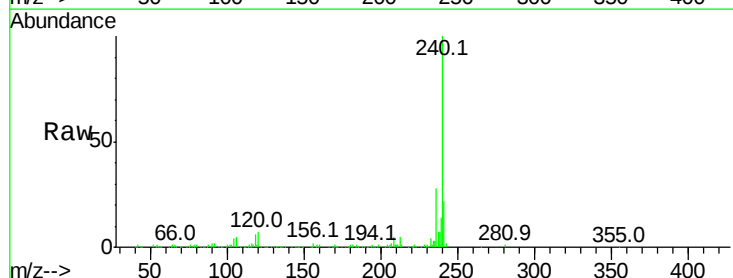
Instrument :
BNA_G
ClientSampleId :

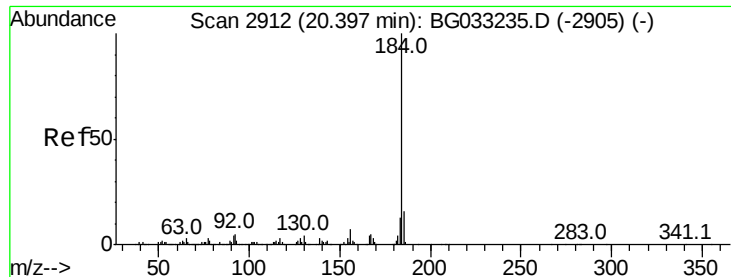
Tot Ion:248 Resp: 10606
Ion Ratio Lower Upper
248 100
250 221.3 77.1 115.7#
141 535.7 50.8 76.2#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.55 min Scan# 3279
Delta R.T. -0.01 min
Lab File: BG033663.D
Acq: 7 Apr 2018 13:03

Tgt Ion:240 Resp: 306357
Ion Ratio Lower Upper
240 100
120 6.6 6.8 10.2#
236 28.0 20.9 31.3

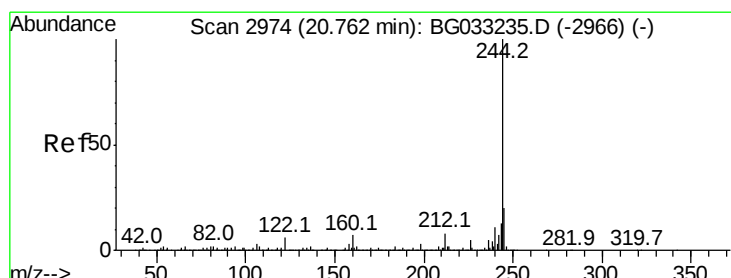
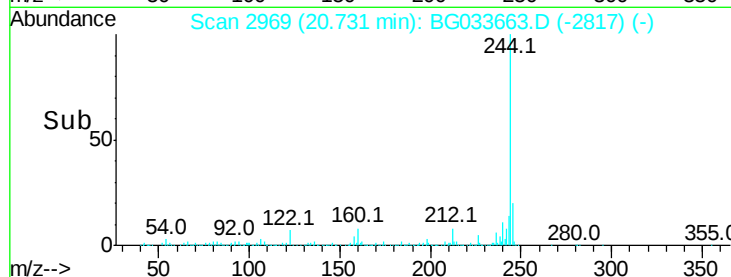
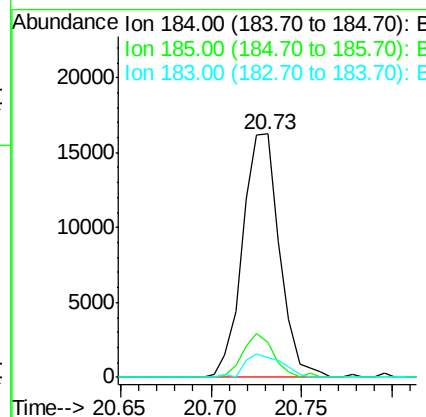
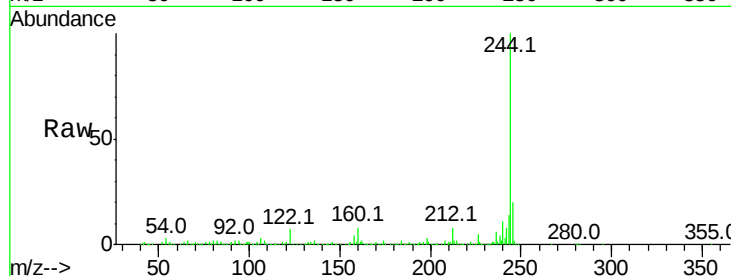




#76
Benzidine
Concen: 2.767 ng
RT: 20.73 min Scan# 2969
Delta R.T. 0.36 min
Lab File: BG033663.D
Acq: 7 Apr 2018 13:03

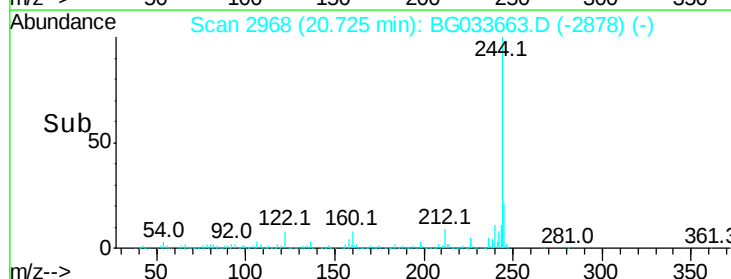
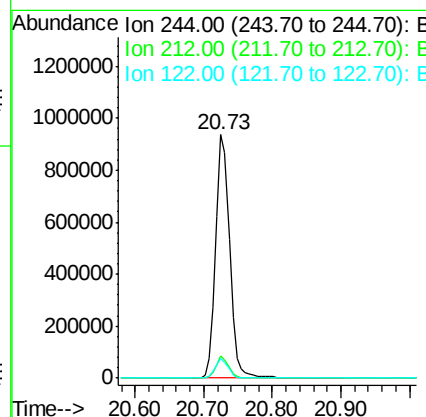
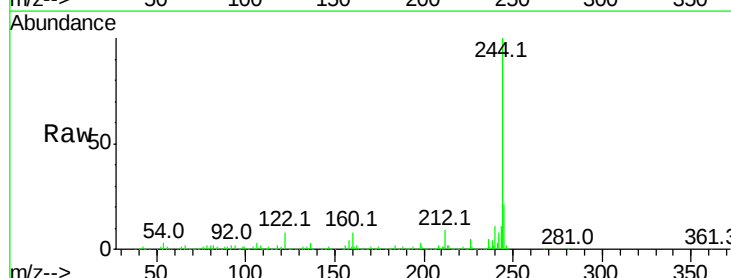
Instrument :
BNA_G
ClientSampleId :

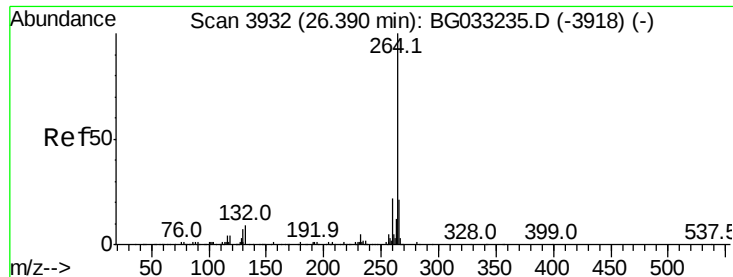
Tot Ion:184 Resp: 22992
Ion Ratio Lower Upper
184 100
185 14.2 11.1 16.7
183 8.3 10.6 16.0#



#78
Terphenyl-d14
Concen: 93.159 ng
RT: 20.73 min Scan# 2968
Delta R.T. -0.00 min
Lab File: BG033663.D
Acq: 7 Apr 2018 13:03

Tgt Ion:244 Resp: 1334510
Ion Ratio Lower Upper
244 100
212 9.0 5.8 8.8#
122 8.0 7.0 10.4





#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.32 min Scan# 3920
Delta R.T. -0.00 min
Lab File: BG033663.D
Acq: 7 Apr 2018 13:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	17.4	26.0
265	20.2	17.7	26.5

