

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032618\
 Data File : BG033356.D
 Acq On : 27 Mar 2018 7:47
 Operator : SJ/JU
 Sample : J2044-03
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 27 08:51:31 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

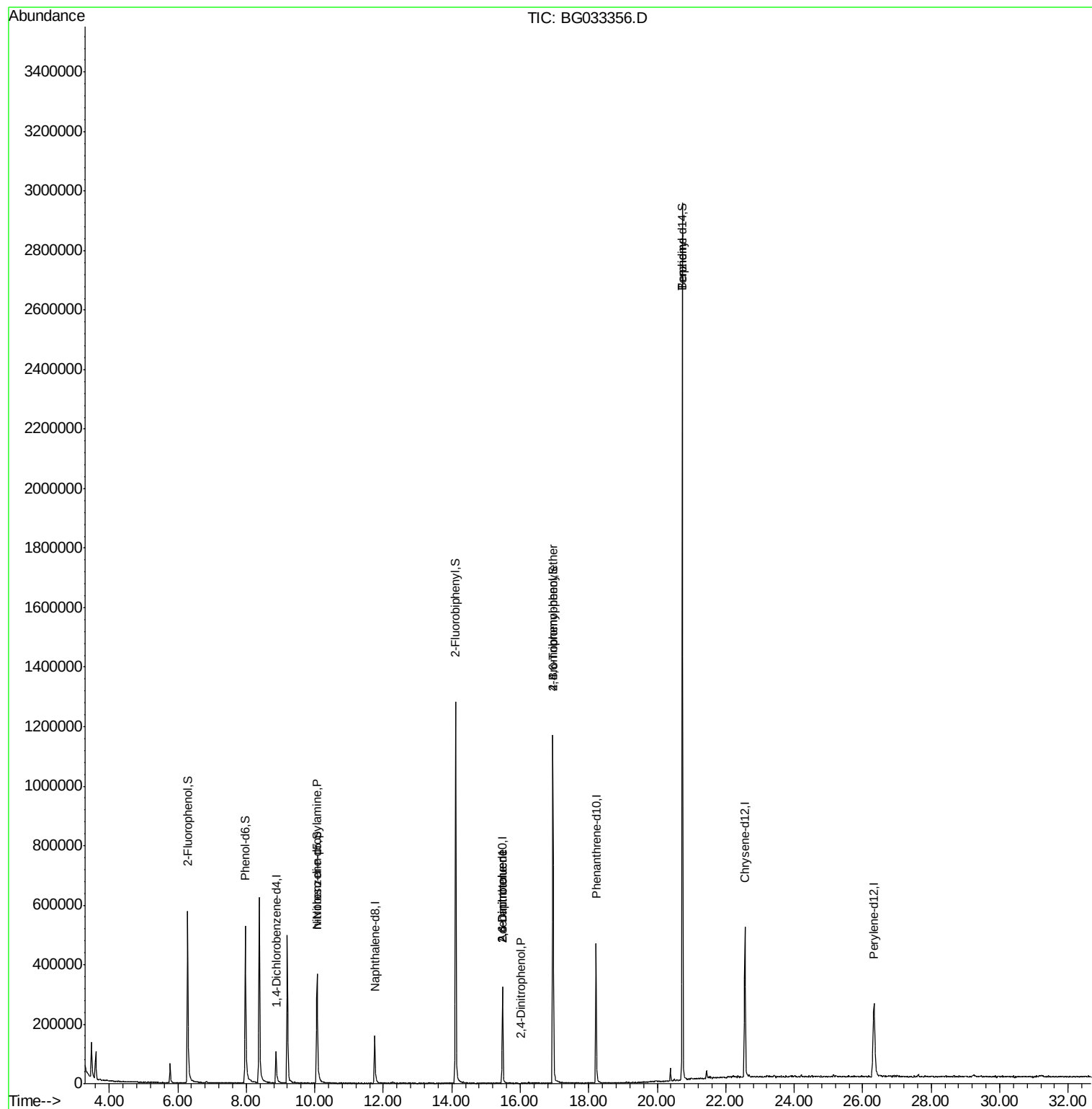
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	40865	20.00	ng	-0.03
21) Naphthalene-d8	11.75	136	156140	20.00	ng	-0.03
38) Acenaphthene-d10	15.48	164	122127	20.00	ng	-0.03
63) Phenanthrene-d10	18.21	188	348312	20.00	ng	-0.03
75) Chrysene-d12	22.56	240	364867	20.00	ng	-0.04
86) Perylene-d12	26.32	264	395847	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	292358	134.15	ng	-0.02
7) Phenol-d6	7.97	99	388006	103.62	ng	-0.03
23) Nitrobenzene-d5	10.07	82	292887	86.18	ng	-0.03
41) 2,4,6-Tribromophenol	16.95	330	251190	137.52	ng	-0.03
44) 2-Fluorobiphenyl	14.11	172	732464	86.58	ng	-0.03
78) Terphenyl-d14	20.73	244	1472440	86.30	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.07	70	40541	14.775	ng	# 73
50) 2,6-Dinitrotoluene	15.48	165	16566	7.623	ng	# 20
53) 2,4-Dinitrophenol	16.01	184	75	7.703	ng	# 1
56) 2,4-Dinitrotoluene	15.48	165	16566	5.177	ng	# 18
66) 4-Bromophenyl-phenylether	16.95	248	18537	4.532	ng	# 1
76) Benzidine	20.73	184	23390	2.364	ng	# 88

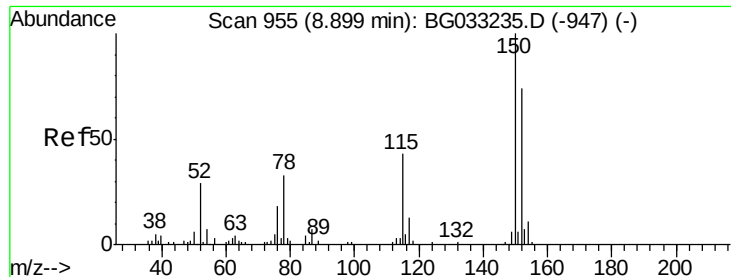
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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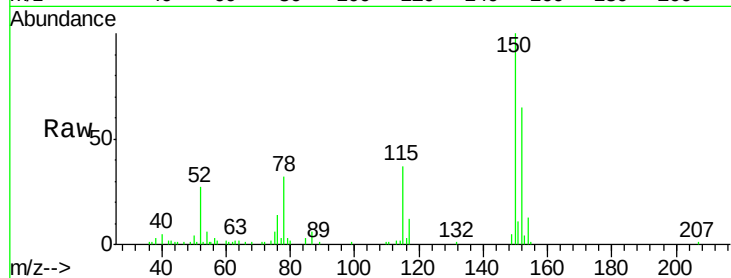


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.87 min Scan# 950
Delta R.T. -0.03 min
Lab File: BG033356.D
Acq: 27 Mar 2018 7:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	126.6	189.8
115	57.4	53.0	79.4

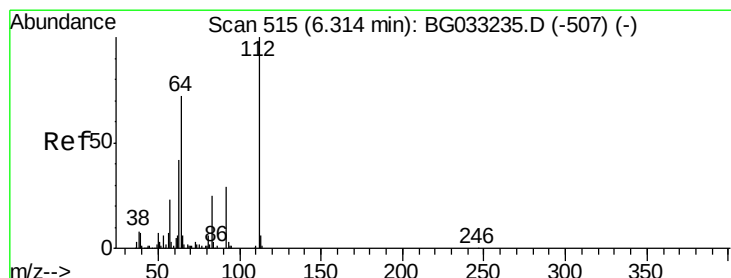
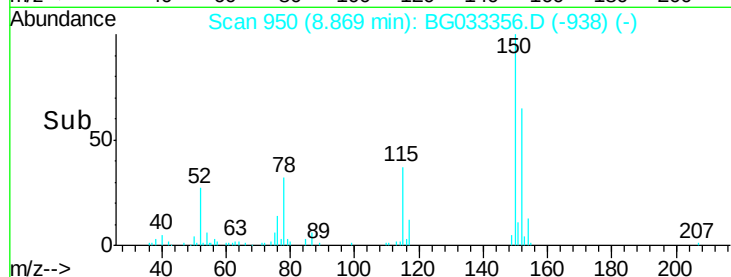
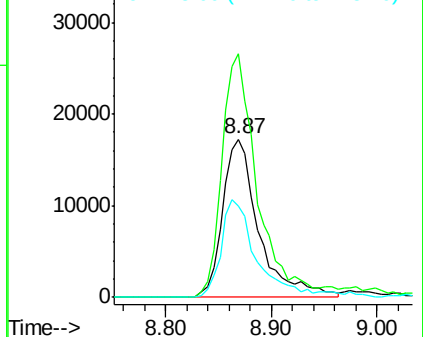


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

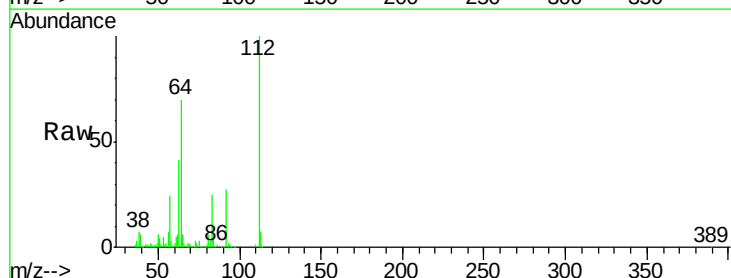
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 134.151 ng
RT: 6.29 min Scan# 511
Delta R.T. -0.02 min
Lab File: BG033356.D
Acq: 27 Mar 2018 7:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.8	56.3	84.5
63	41.0	30.1	45.1

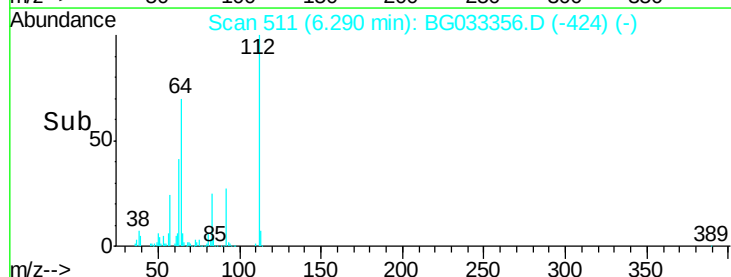
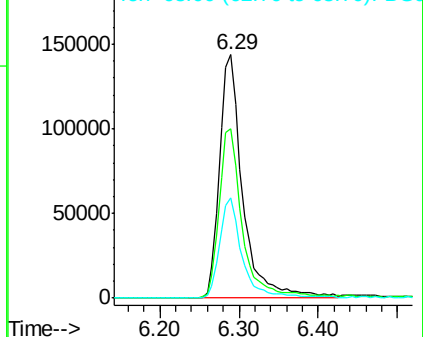


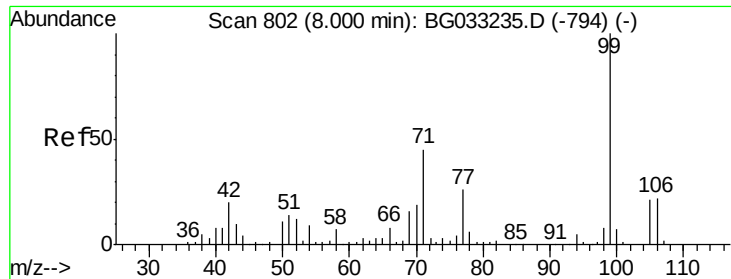
Abundance

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: 103.619 ng

RT: 7.97 min Scan# 797

Delta R.T. -0.03 min

Lab File: BG033356.D

Acq: 27 Mar 2018 7:47

Instrument :

BNA_G

ClientSampleId :

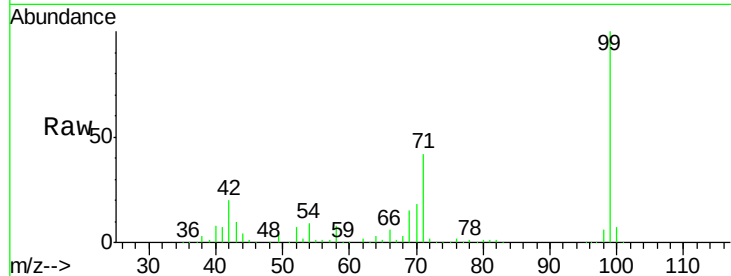
Tot Ion: 99 Resp: 388006

Ion Ratio Lower Upper

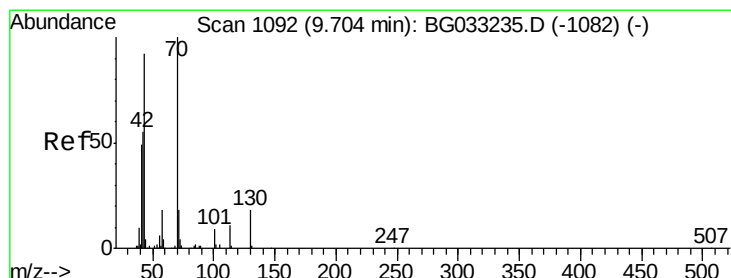
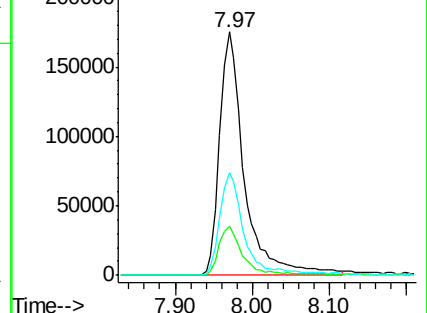
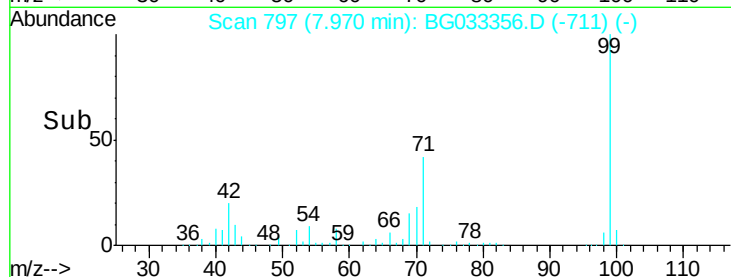
99 100

42 20.3 14.1 21.1

71 42.4 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: 14.775 ng

RT: 10.07 min Scan# 1154

Delta R.T. 0.37 min

Lab File: BG033356.D

Acq: 27 Mar 2018 7:47

Tgt Ion: 70 Resp: 40541

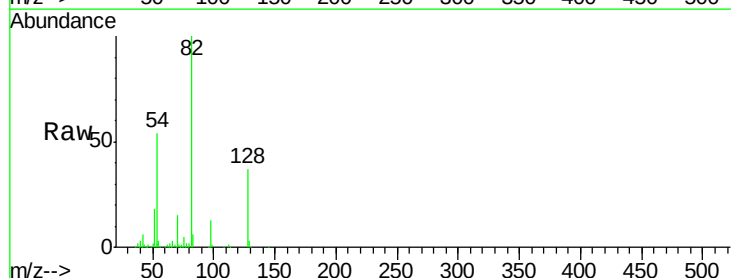
Ion Ratio Lower Upper

70 100

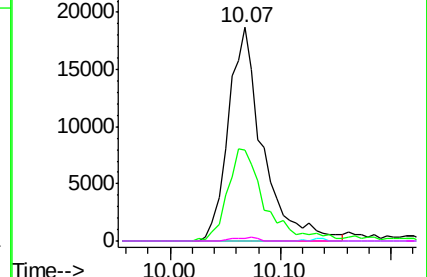
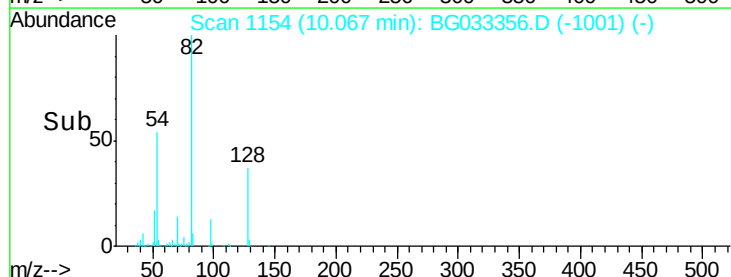
42 42.7 49.1 73.7#

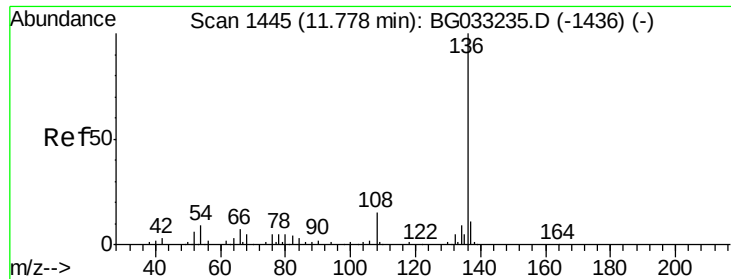
101 0.0 8.5 12.7#

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

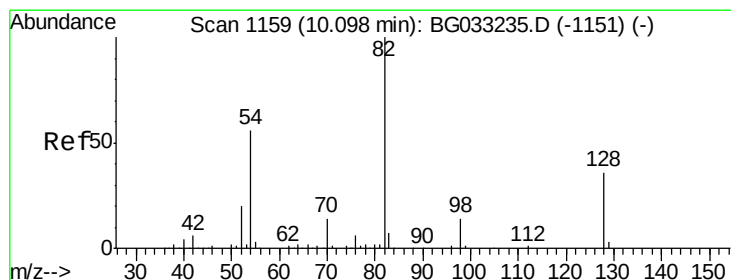
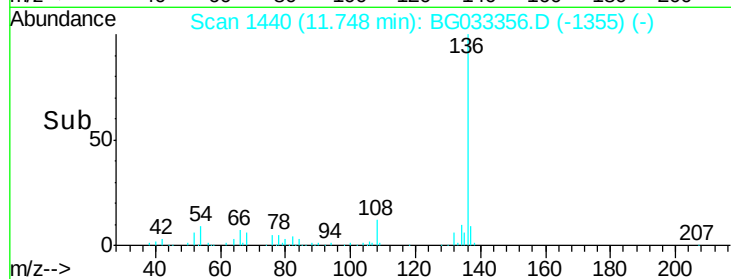
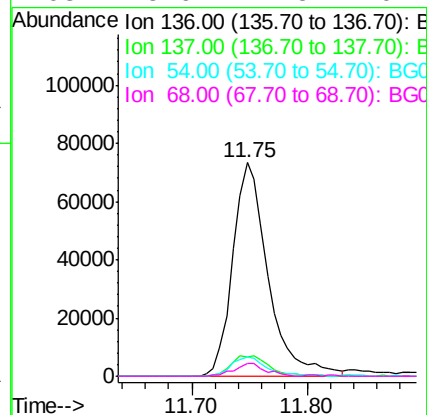
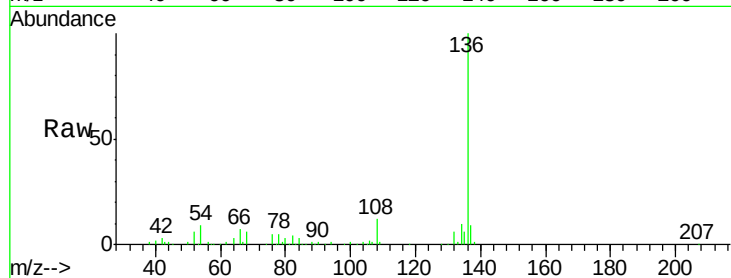




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.75 min Scan# 1440
Delta R.T. -0.03 min
Lab File: BG033356.D
Acq: 27 Mar 2018 7:47

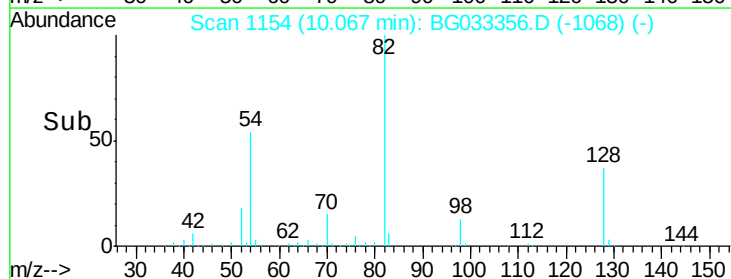
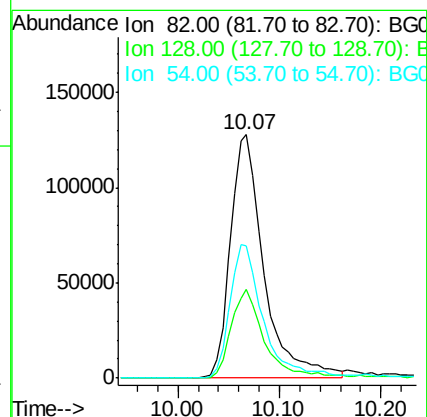
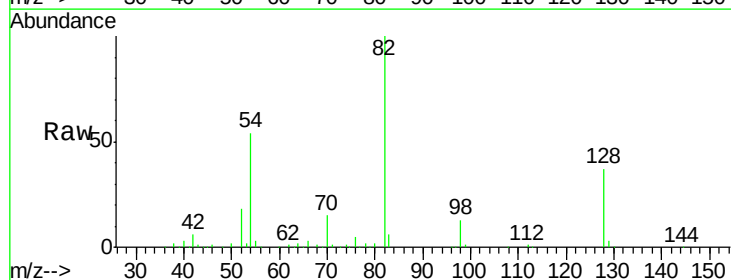
Instrument :
BNA_G
ClientSampleId :

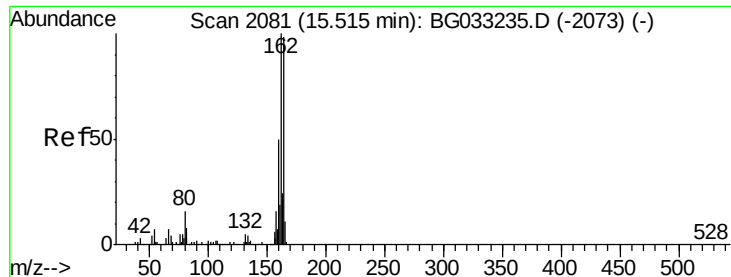
Tot Ion:	136	Resp:	156140
Ion	Ratio	Lower	Upper
136	100		
137	9.2	9.2	13.8
54	8.9	10.3	15.5
68	5.9	4.5	6.7



#23
Nitrobenzene-d5
Concen: 86.182 ng
RT: 10.07 min Scan# 1154
Delta R.T. -0.03 min
Lab File: BG033356.D
Acq: 27 Mar 2018 7:47

Tgt Ion:	82	Resp:	292887
Ion	Ratio	Lower	Upper
82	100		
128	36.7	29.7	44.5
54	54.2	43.1	64.7

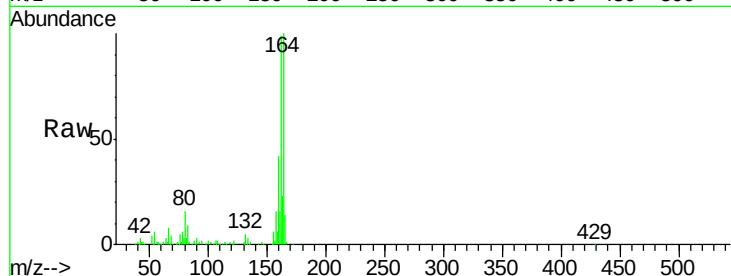




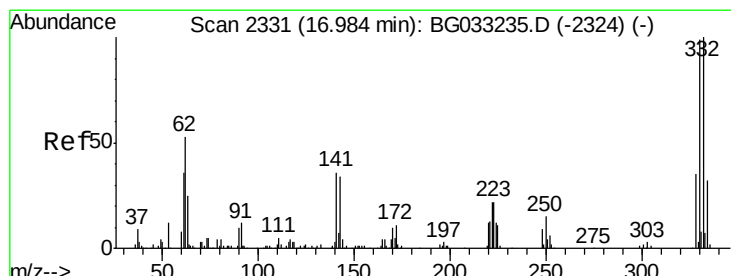
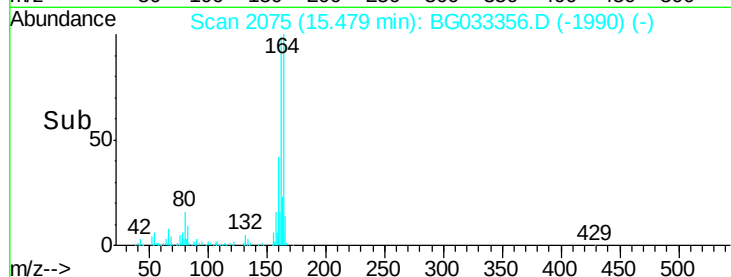
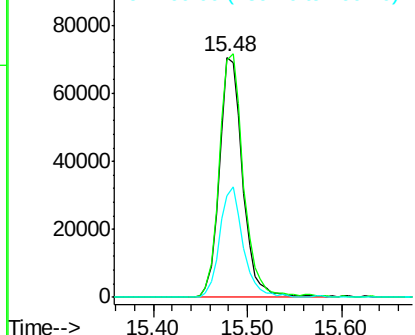
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.48 min Scan# 2075
 Delta R.T. -0.03 min
 Lab File: BG033356.D
 Acq: 27 Mar 2018 7:47

Instrument :
 BNA_G
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.0	78.8	118.2
160	42.2	35.4	53.0

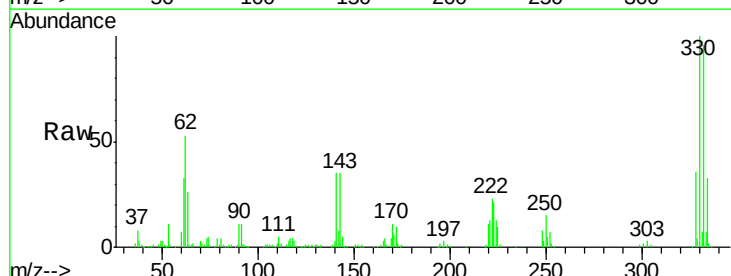


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

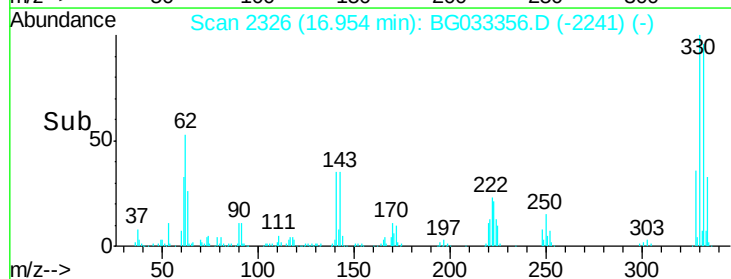
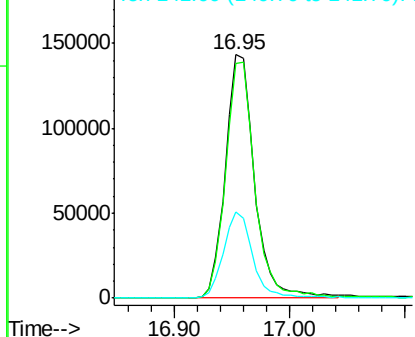


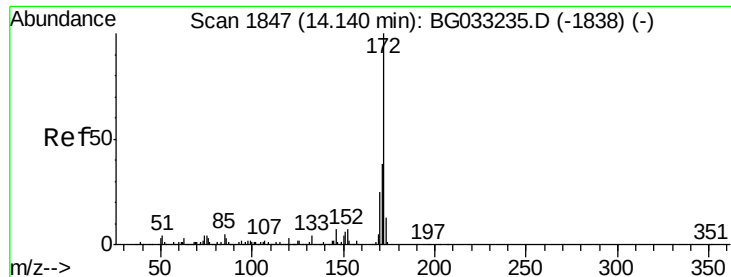
#41
 2,4,6-Tribromophenol
 Concen: 137.521 ng
 RT: 16.95 min Scan# 2326
 Delta R.T. -0.03 min
 Lab File: BG033356.D
 Acq: 27 Mar 2018 7:47

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	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

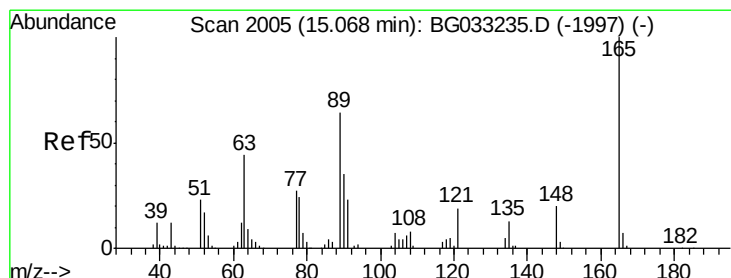
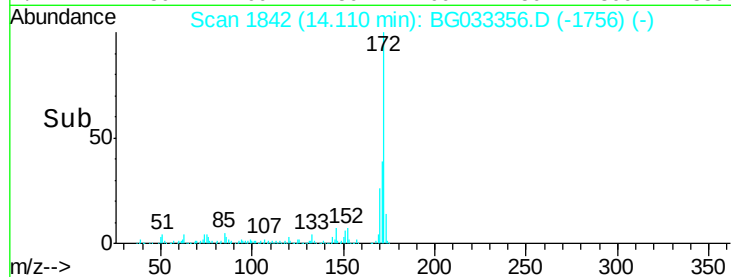
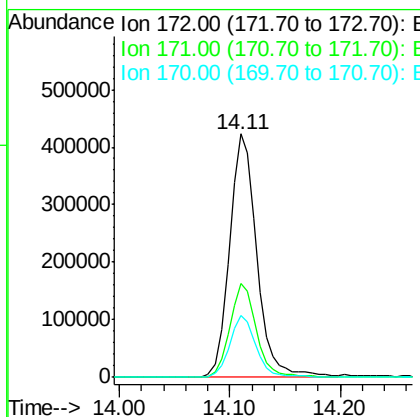
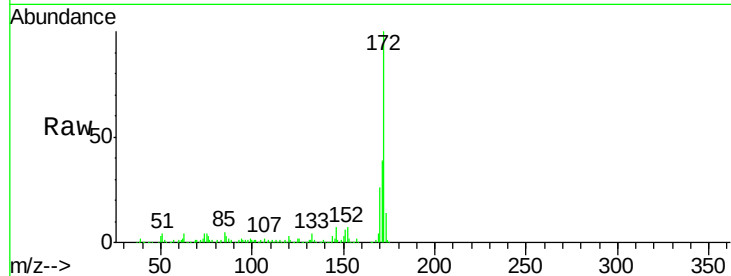




#44
2-Fluorobiphenyl
Concen: 86.583 ng
RT: 14.11 min Scan# 1842
Delta R.T. -0.03 min
Lab File: BG033356.D
Acq: 27 Mar 2018 7:47

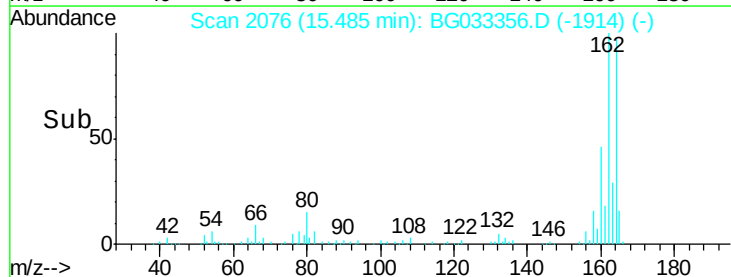
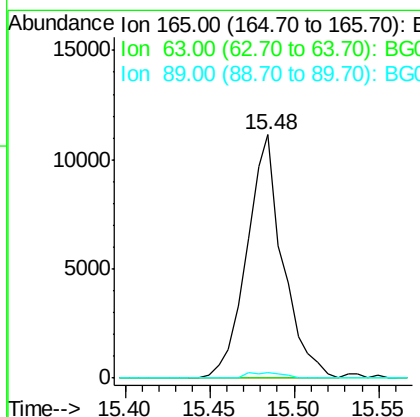
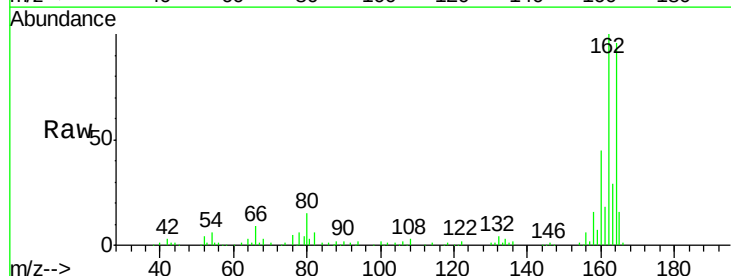
Instrument :
BNA_G
ClientSampled :

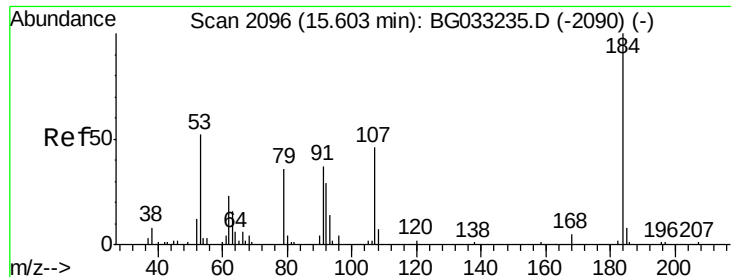
Tot Ion:172 Resp: 732464
Ion Ratio Lower Upper
172 100
171 38.6 30.0 45.0
170 25.5 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.623 ng
RT: 15.48 min Scan# 2076
Delta R.T. 0.42 min
Lab File: BG033356.D
Acq: 27 Mar 2018 7:47

Tgt Ion:165 Resp: 16566
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 2.2 49.2 73.8#





#53

2,4-Dinitrophenol

Concen: 7.703 ng

RT: 16.01 min Scan# 2165

Delta R.T. 0.40 min

Lab File: BG033356.D

Acq: 27 Mar 2018 7:47

Instrument :

BNA_G

ClientSampleId :

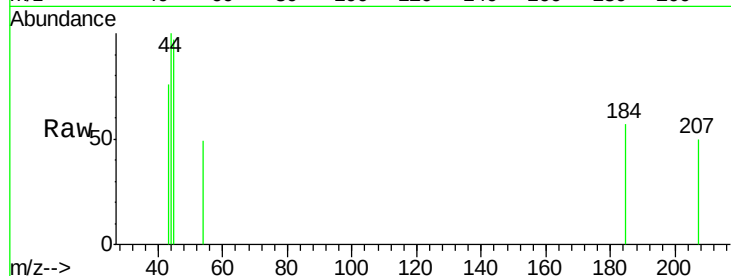
Tot Ion:184 Resp: 75

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

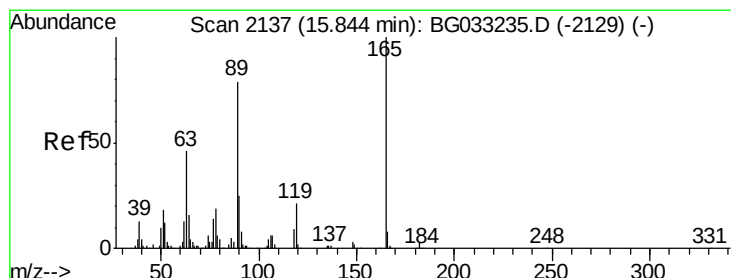
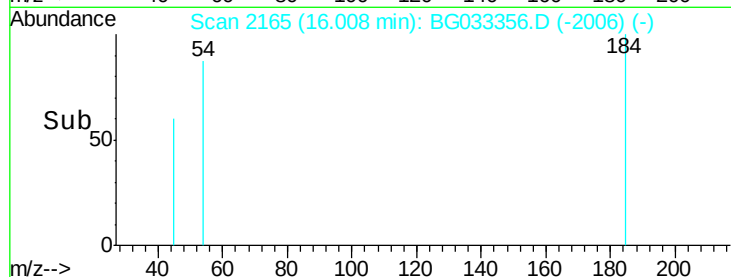
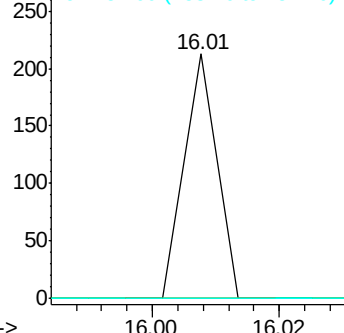
154 0.0 101.8 152.8#



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: 5.177 ng

RT: 15.48 min Scan# 2076

Delta R.T. -0.36 min

Lab File: BG033356.D

Acq: 27 Mar 2018 7:47

Tgt Ion:165 Resp: 16566

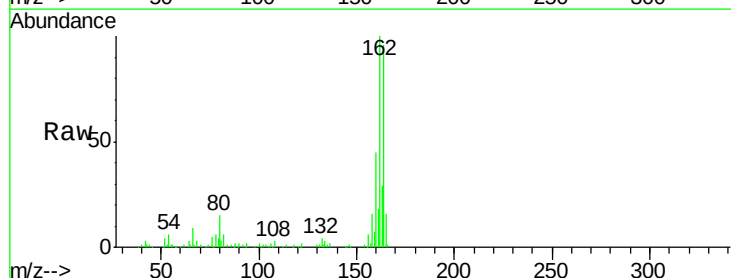
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 2.2 66.9 100.3#

182 0.0 2.6 3.8#

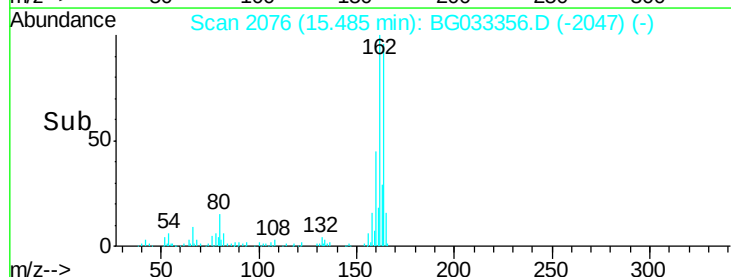
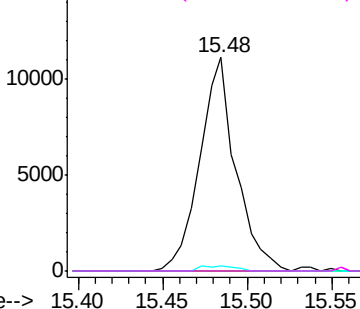


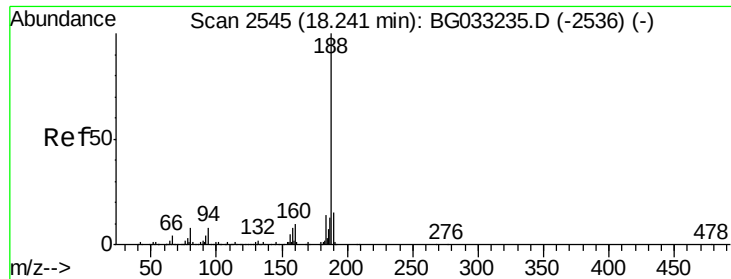
Abundance Ion 165.00 (164.70 to 165.70): E

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

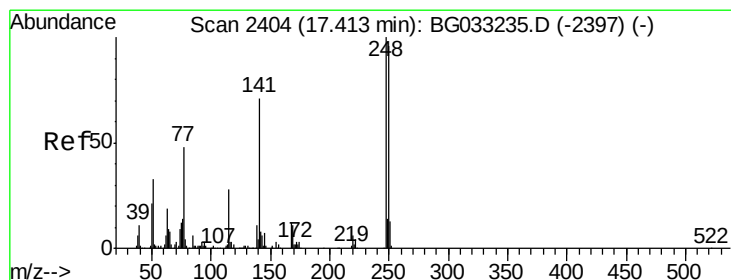
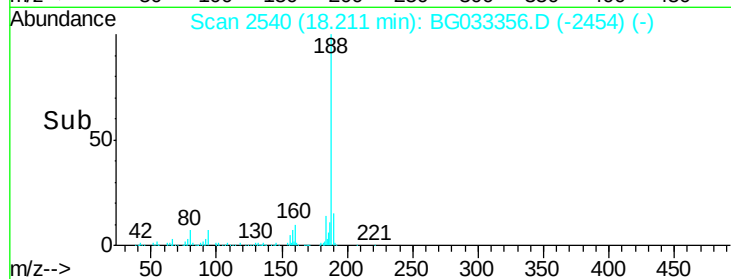
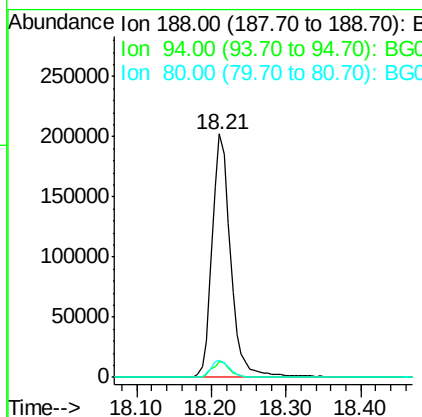
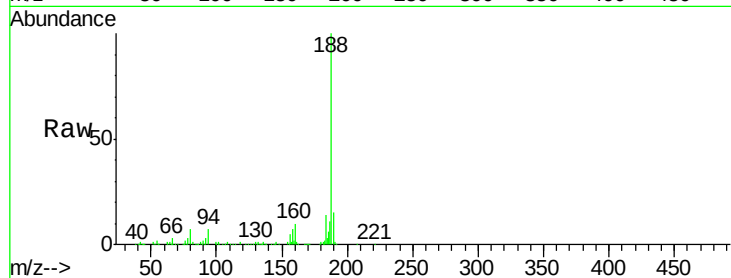




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.21 min Scan# 2540
 Delta R.T. -0.03 min
 Lab File: BG033356.D
 Acq: 27 Mar 2018 7:47

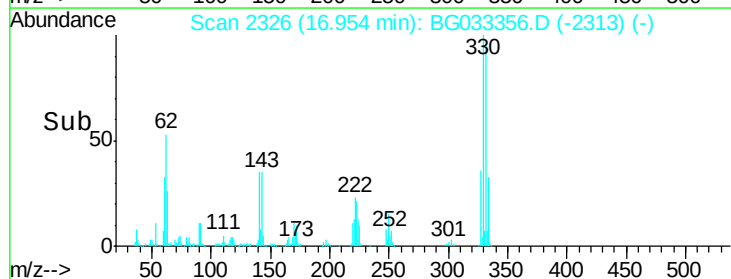
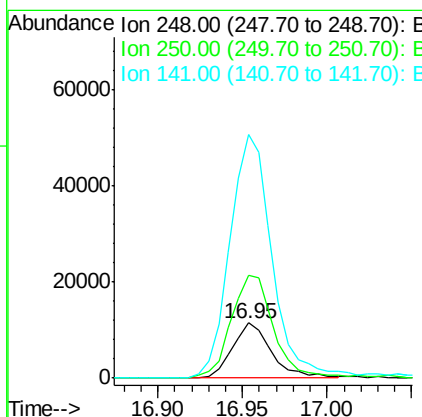
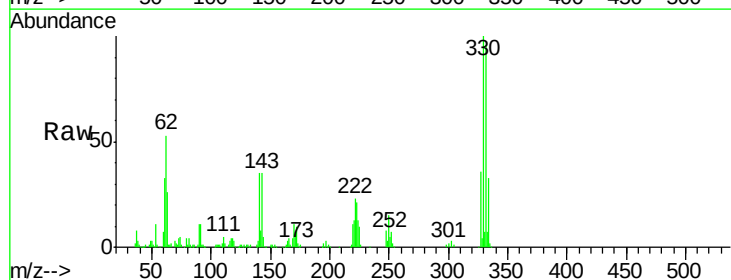
Instrument :
 BNA_G
 ClientSampleID :

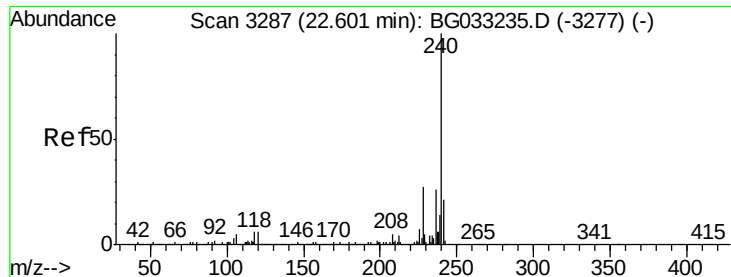
Tot Ion:188 Resp: 348312
 Ion Ratio Lower Upper
 188 100
 94 6.7 6.9 10.3#
 80 6.9 7.7 11.5#



#66
 4-Bromophenyl-phenylether
 Concen: 4.532 ng
 RT: 16.95 min Scan# 2326
 Delta R.T. -0.46 min
 Lab File: BG033356.D
 Acq: 27 Mar 2018 7:47

Tgt Ion:248 Resp: 18537
 Ion Ratio Lower Upper
 248 100
 250 187.2 77.1 115.7#
 141 440.6 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: BG033356.D

Acq: 27 Mar 2018 7:47

Instrument :

BNA_G

ClientSampled :

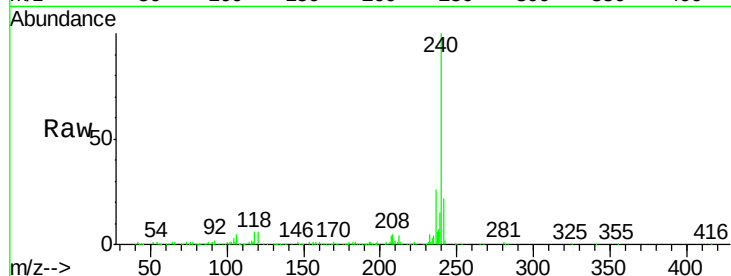
Tot Ion:240 Resp: 364867

Ion Ratio Lower Upper

240 100

120 5.6 6.8 10.2#

236 25.7 20.9 31.3

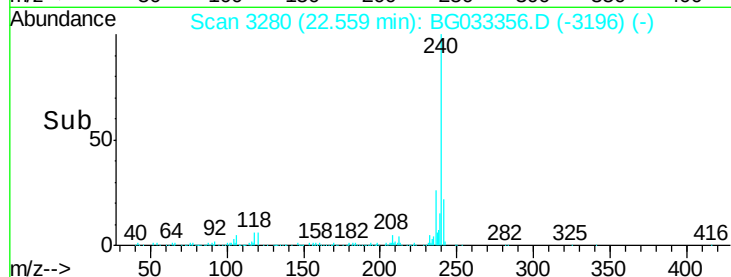


Abundance Ion 240.00 (239.70 to 240.70): E

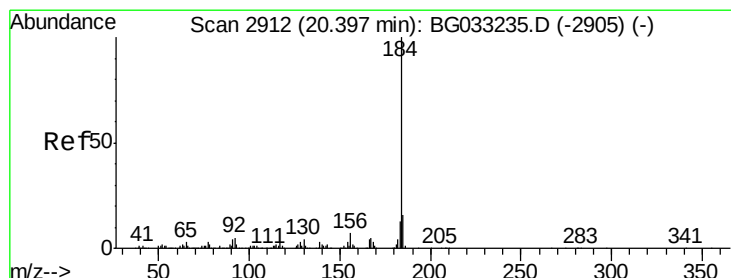
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

22.56



Time-->



#76

Benzidine

Concen: 2.364 ng

RT: 20.73 min Scan# 2969

Delta R.T. 0.34 min

Lab File: BG033356.D

Acq: 27 Mar 2018 7:47

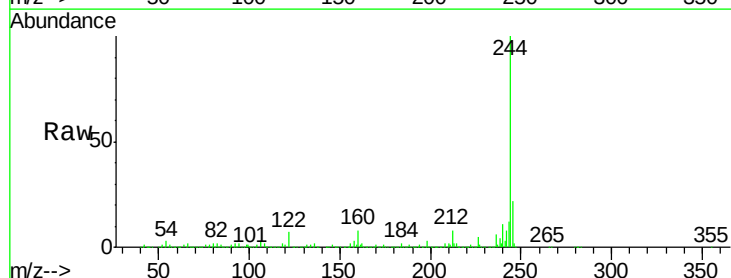
Tgt Ion:184 Resp: 23390

Ion Ratio Lower Upper

184 100

185 17.7 11.1 16.7#

183 7.2 10.6 16.0#

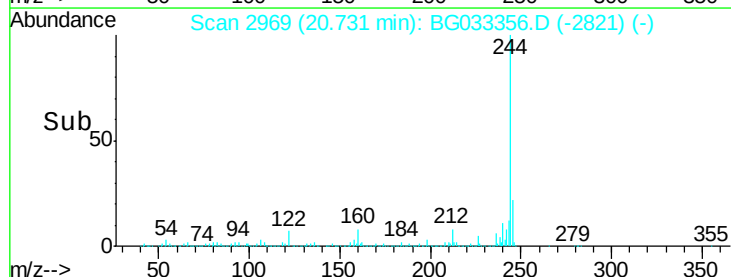


Abundance Ion 184.00 (183.70 to 184.70): E

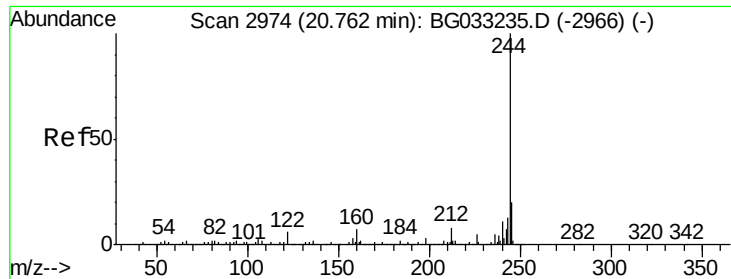
Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

20.73



Time-->



#78

Terphenyl-d14

Concen: 86.305 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.03 min

Lab File: BG033356.D

Acq: 27 Mar 2018 7:47

Instrument :

BNA_G

ClientSampleId :

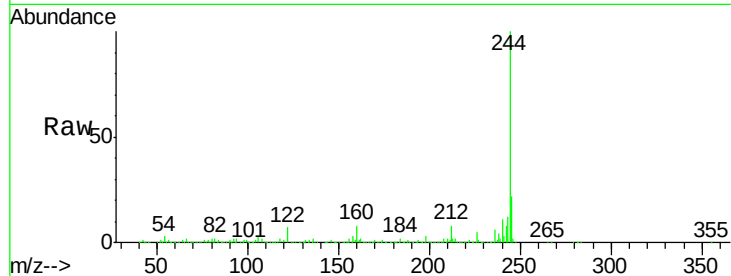
Tot Ion:244 Resp: 1472440

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

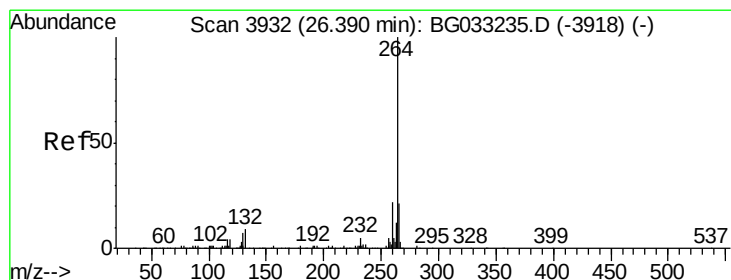
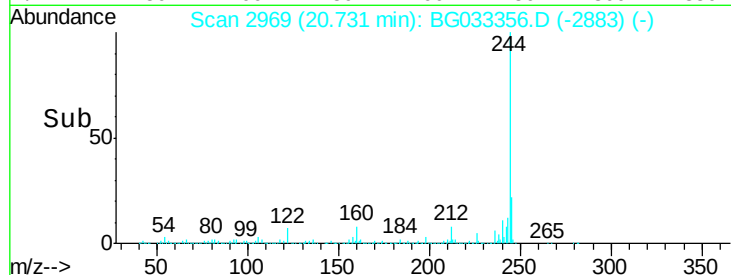
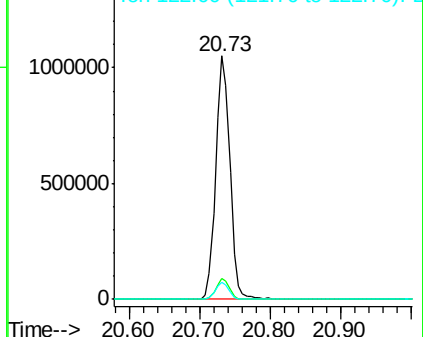
122 7.1 7.0 10.4



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# 3921

Delta R.T. -0.06 min

Lab File: BG033356.D

Acq: 27 Mar 2018 7:47

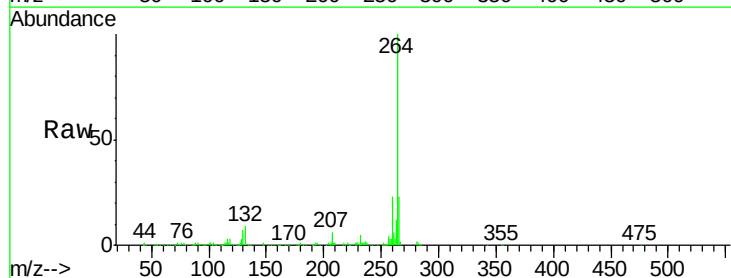
Tgt Ion:264 Resp: 395847

Ion Ratio Lower Upper

264 100

260 23.0 17.4 26.0

265 22.8 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

