

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032618\
 Data File : BG033351.D
 Acq On : 27 Mar 2018 4:40
 Operator : SJ/JU
 Sample : J1758-04
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 27 07:53:14 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

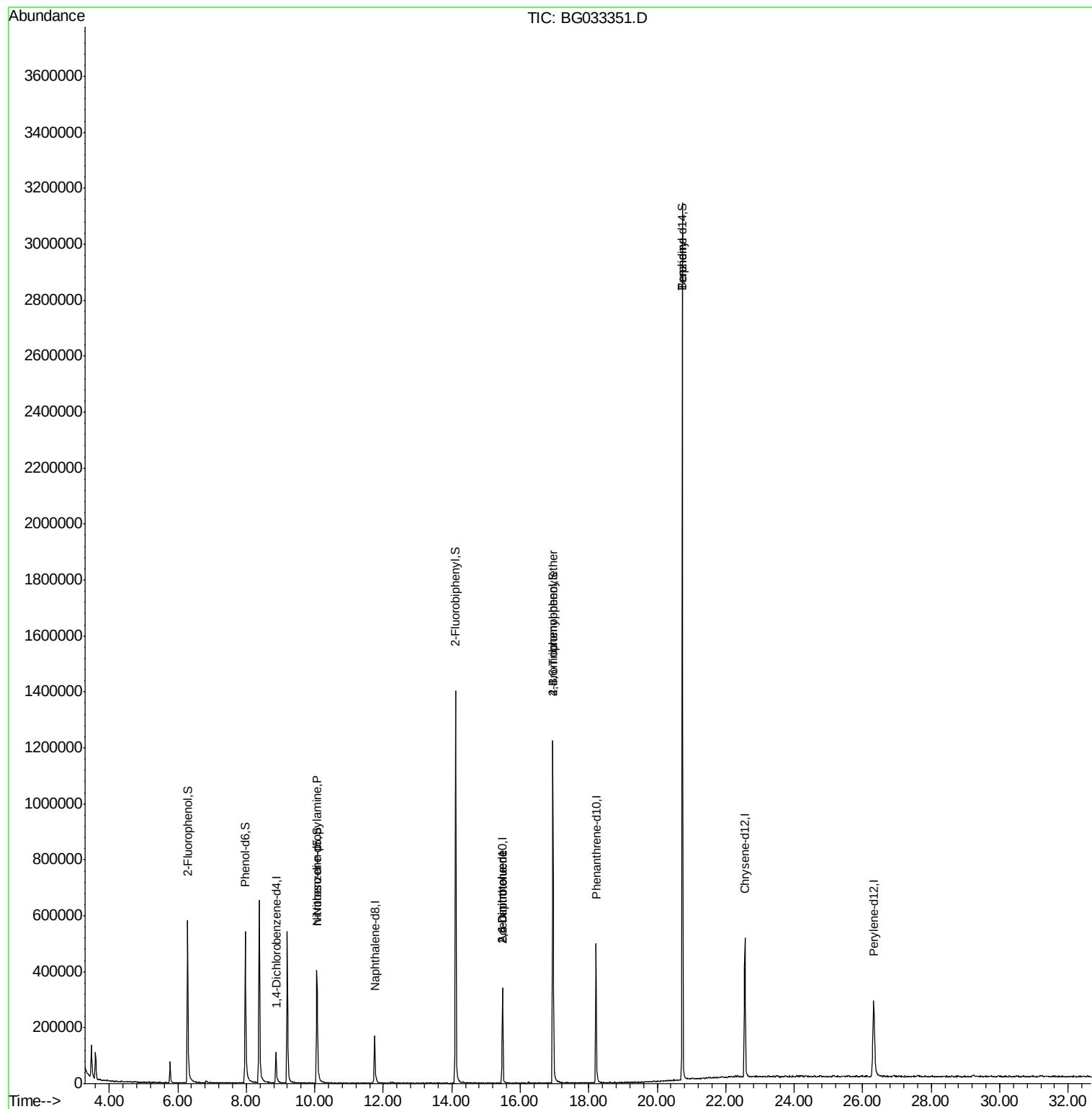
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	43775	20.00	ng	-0.03
21) Naphthalene-d8	11.75	136	168130	20.00	ng	-0.03
38) Acenaphthene-d10	15.48	164	132347	20.00	ng	-0.03
63) Phenanthrene-d10	18.21	188	364746	20.00	ng	-0.03
75) Chrysene-d12	22.55	240	383176	20.00	ng	-0.04
86) Perylene-d12	26.32	264	402915	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	286096	122.55	ng	-0.02
7) Phenol-d6	7.97	99	391116	97.51	ng	-0.03
23) Nitrobenzene-d5	10.06	82	328042	89.64	ng	-0.03
41) 2,4,6-Tribromophenol	16.95	330	257996	130.34	ng	-0.03
44) 2-Fluorobiphenyl	14.11	172	800946	87.37	ng	-0.03
78) Terphenyl-d14	20.73	244	1544558	86.21	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.07	70	44179	15.031	ng	# 67
50) 2,6-Dinitrotoluene	15.48	165	16173	6.867	ng	# 21
56) 2,4-Dinitrotoluene	15.48	165	16173	4.664	ng	# 19
66) 4-Bromophenyl-phenylether	16.95	248	20162	4.707	ng	# 1
76) Benzidine	20.73	184	25562	2.460	ng	# 87

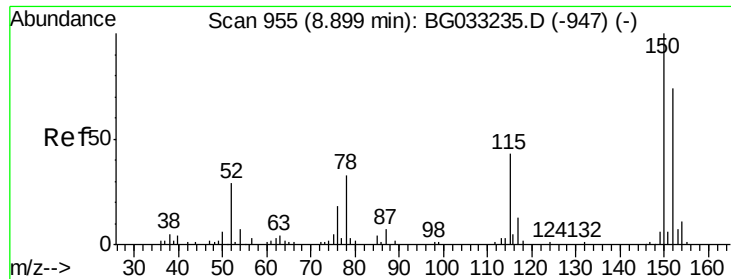
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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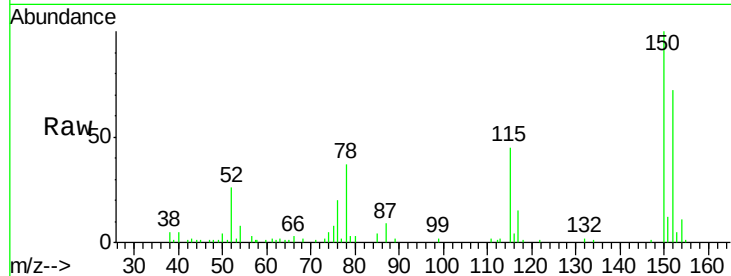


#1

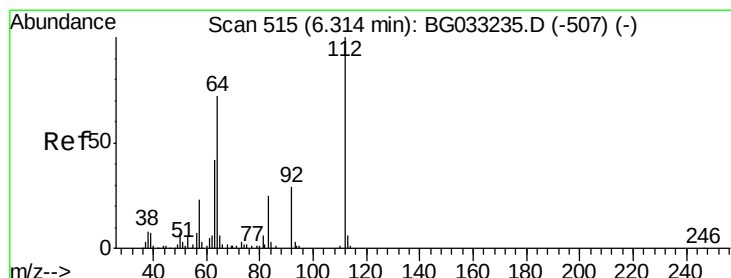
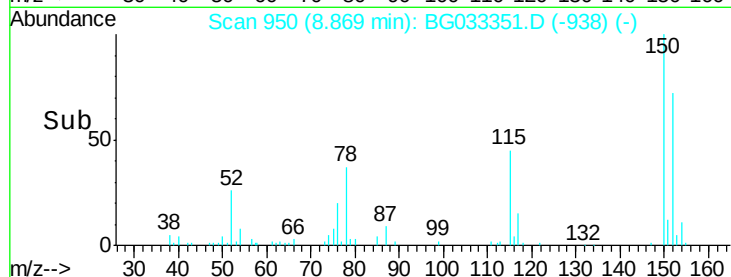
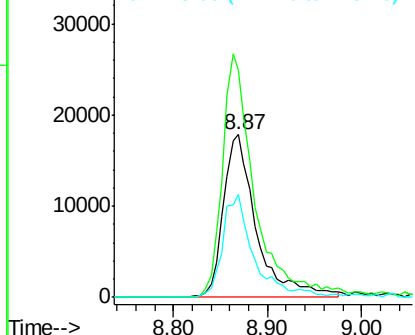
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.87 min Scan# 950
Delta R.T. -0.03 min
Lab File: BG033351.D
Acq: 27 Mar 2018 4:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 43775
Ion Ratio Lower Upper
152 100
150 139.5 126.6 189.8
115 63.1 53.0 79.4



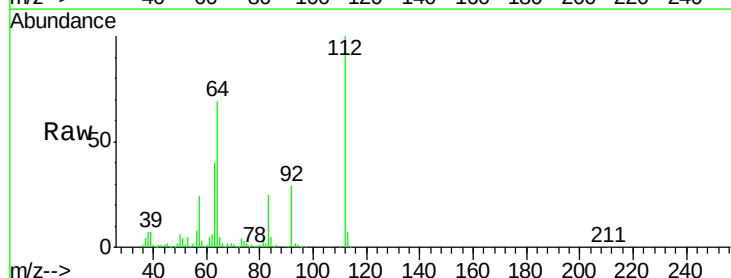
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



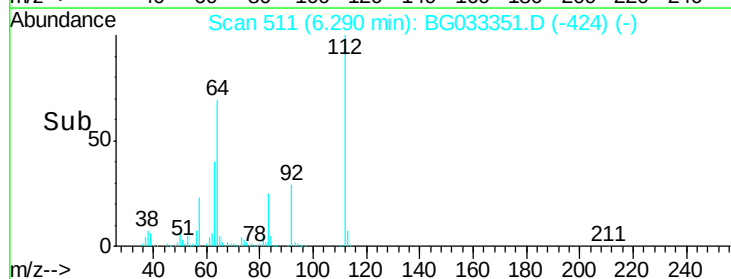
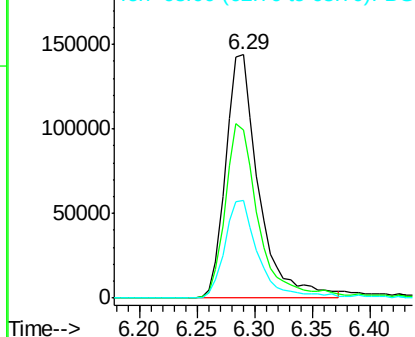
#5

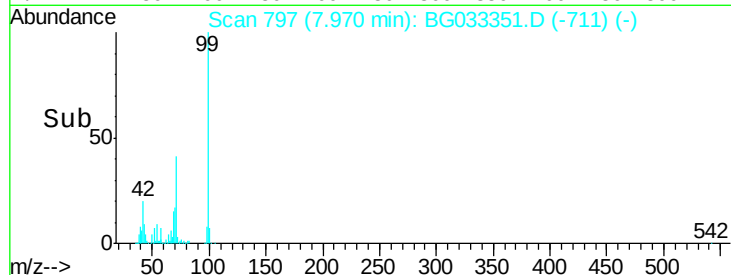
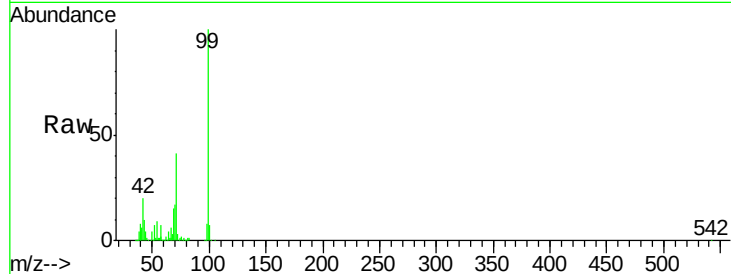
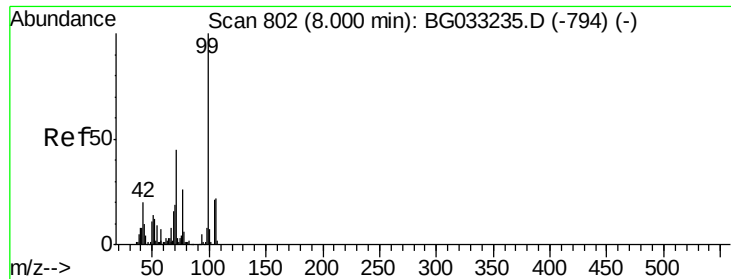
2-Fluorophenol
Concen: 122.550 ng
RT: 6.29 min Scan# 511
Delta R.T. -0.02 min
Lab File: BG033351.D
Acq: 27 Mar 2018 4:40

Tgt Ion:112 Resp: 286096
Ion Ratio Lower Upper
112 100
64 69.3 56.3 84.5
63 39.9 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: 97.506 ng

RT: 7.97 min Scan# 797

Delta R.T. -0.03 min

Lab File: BG033351.D

Acq: 27 Mar 2018 4:40

Instrument :

BNA_G

ClientSampleId :

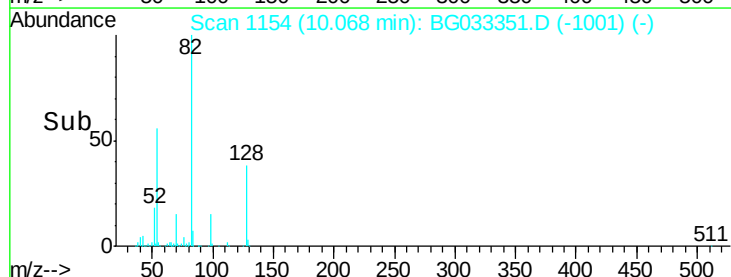
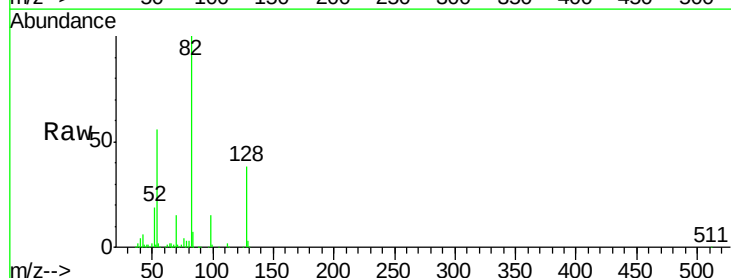
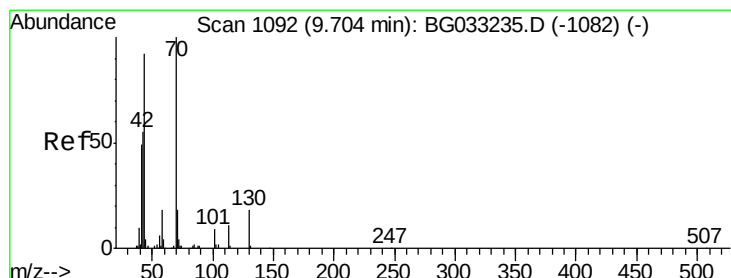
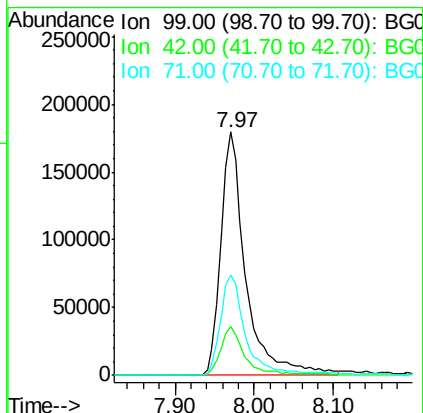
Tot Ion: 99 Resp: 391116

Ion Ratio Lower Upper

99 100

42 20.4 14.1 21.1

71 41.4 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 15.031 ng

RT: 10.07 min Scan# 1154

Delta R.T. 0.37 min

Lab File: BG033351.D

Acq: 27 Mar 2018 4:40

Tgt Ion: 70 Resp: 44179

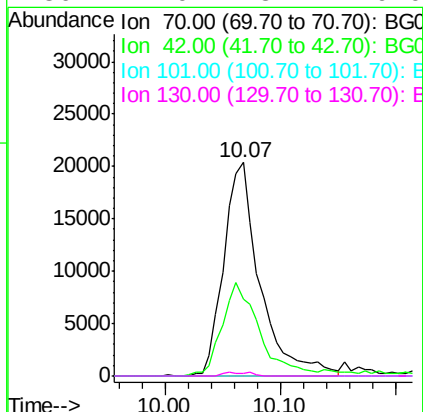
Ion Ratio Lower Upper

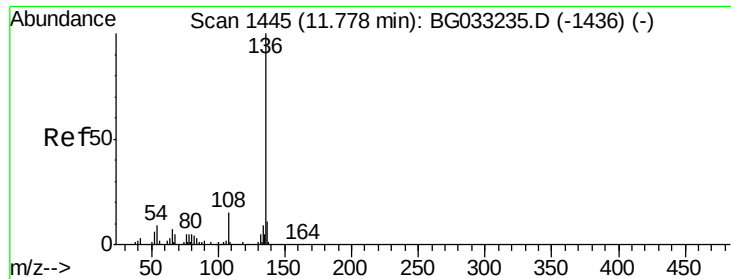
70 100

42 35.9 49.1 73.7#

101 0.0 8.5 12.7#

130 1.0 13.4 20.0#

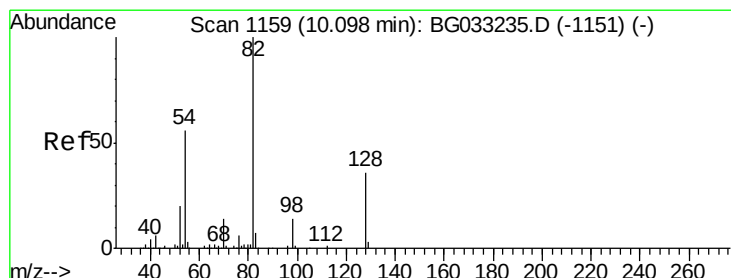
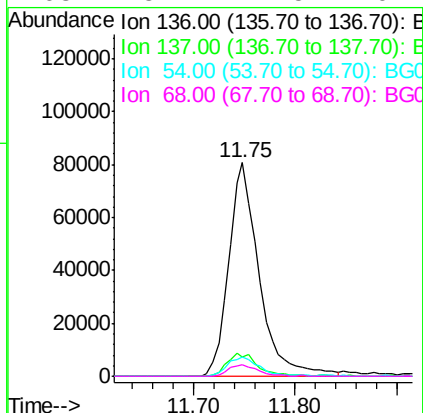
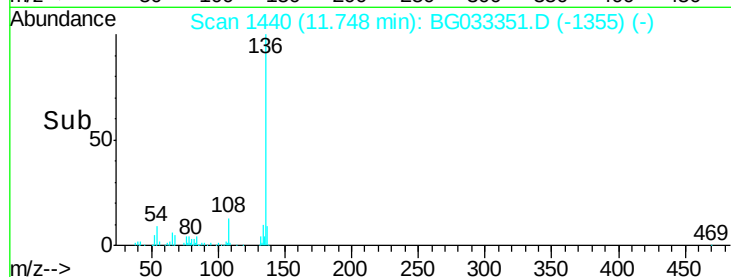
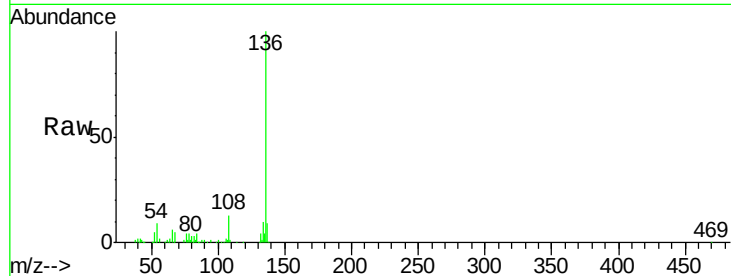




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.75 min Scan# 1440
Delta R.T. -0.03 min
Lab File: BG033351.D
Acq: 27 Mar 2018 4:40

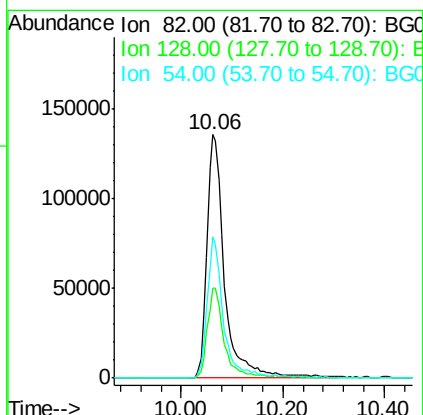
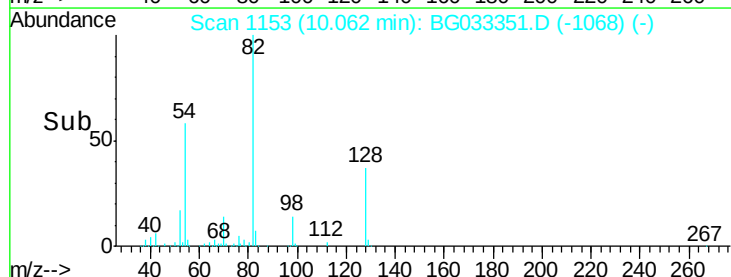
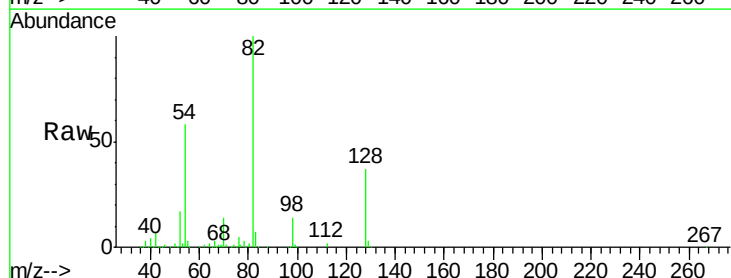
Instrument :
BNA_G
ClientSampleId :

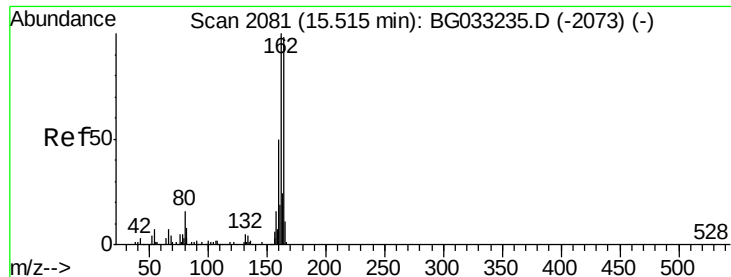
Tot Ion:	136	Resp:	168130
Ion	Ratio	Lower	Upper
136	100		
137	9.3	9.2	13.8
54	9.3	10.3	15.5#
68	5.1	4.5	6.7



#23
Nitrobenzene-d5
Concen: 89.642 ng
RT: 10.06 min Scan# 1153
Delta R.T. -0.03 min
Lab File: BG033351.D
Acq: 27 Mar 2018 4:40

Tgt Ion:	82	Resp:	328042
Ion	Ratio	Lower	Upper
82	100		
128	36.9	29.7	44.5
54	58.1	43.1	64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.48 min Scan# 2076

Delta R.T. -0.03 min

Lab File: BG033351.D

Acq: 27 Mar 2018 4:40

Instrument :

BNA_G

ClientSampleId :

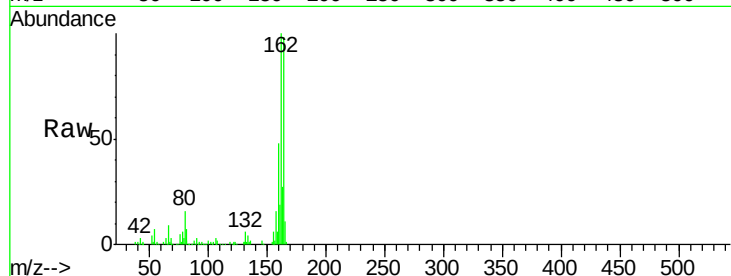
Tot Ion:164 Resp: 132347

Ion	Ratio	Lower	Upper
164	100		
162	101.6	78.8	118.2
160	48.6	35.4	53.0

164 100

162 101.6 78.8 118.2

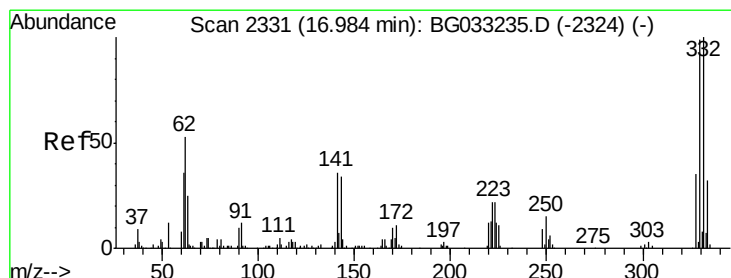
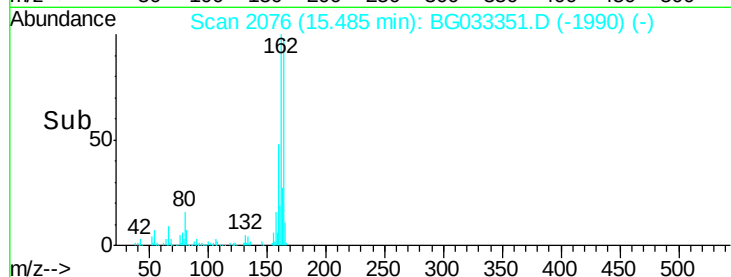
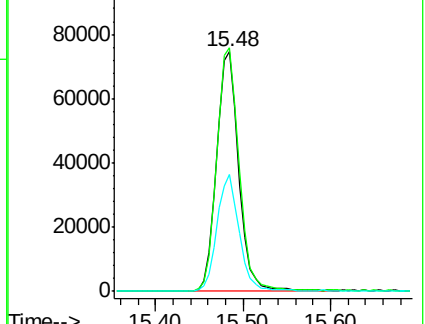
160 48.6 35.4 53.0



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: 130.340 ng

RT: 16.95 min Scan# 2326

Delta R.T. -0.03 min

Lab File: BG033351.D

Acq: 27 Mar 2018 4:40

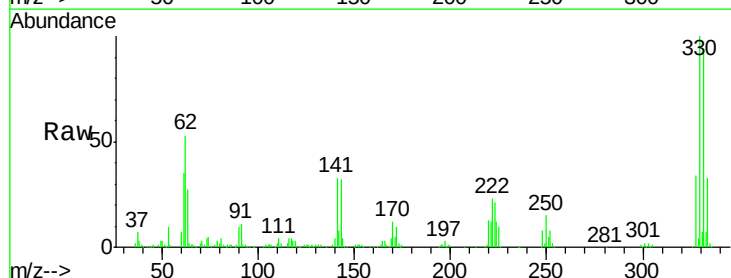
Tgt Ion:330 Resp: 257996

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	33.9	25.2	37.8

330 100

332 96.1 77.0 115.6

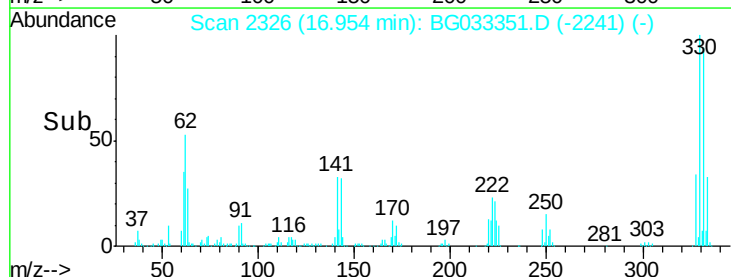
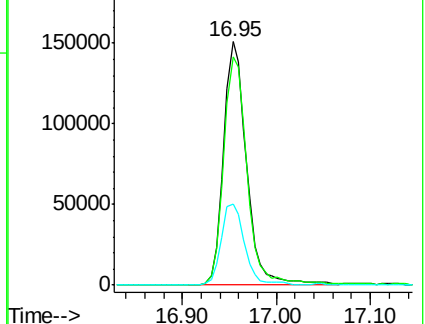
141 33.9 25.2 37.8

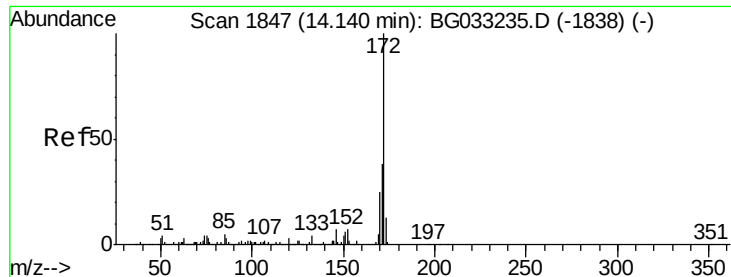


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

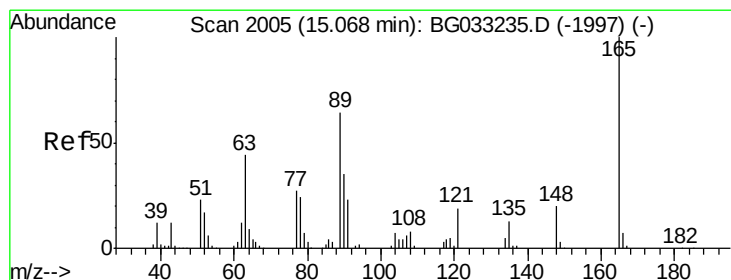
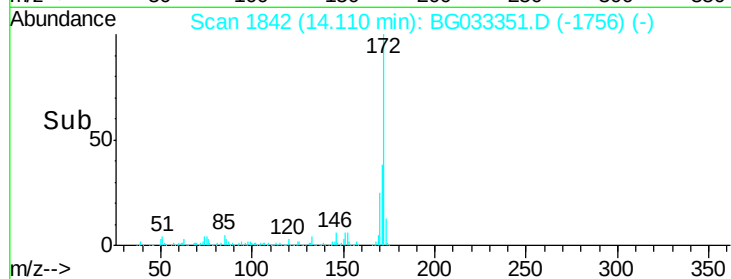
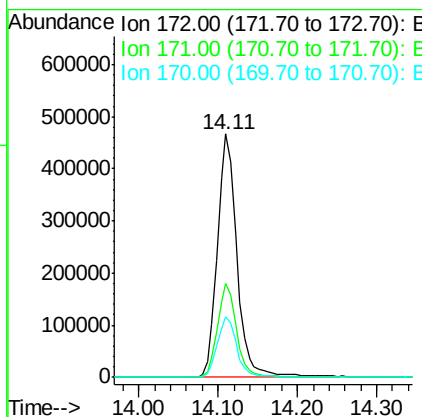
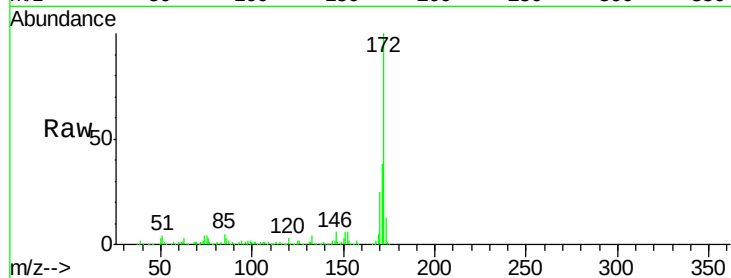




#44
 2-Fluorobiphenyl
 Concen: 87.367 ng
 RT: 14.11 min Scan# 1842
 Delta R.T. -0.03 min
 Lab File: BG033351.D
 Acq: 27 Mar 2018 4:40

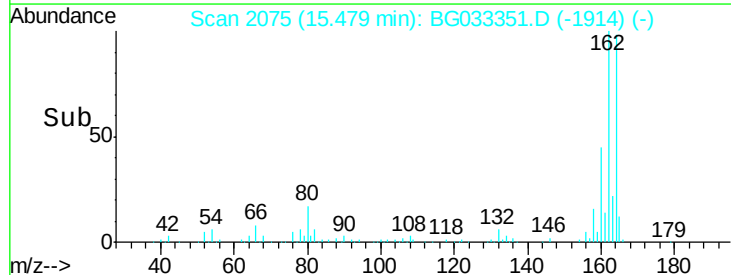
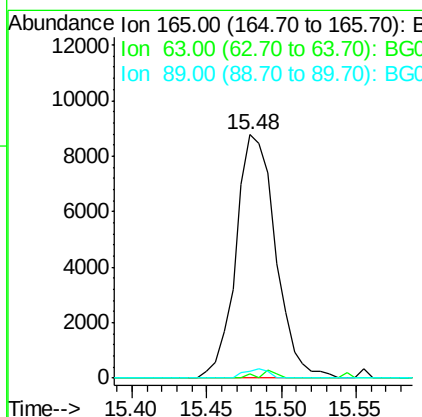
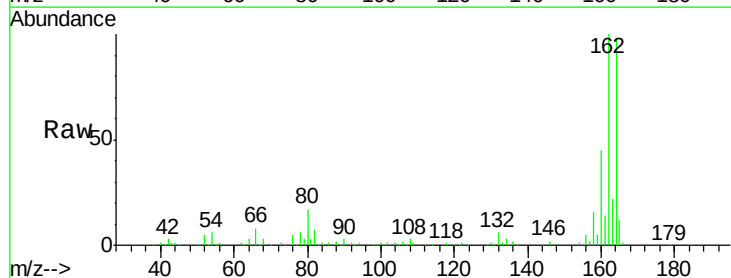
Instrument :
 BNA_G
 ClientSampleId :

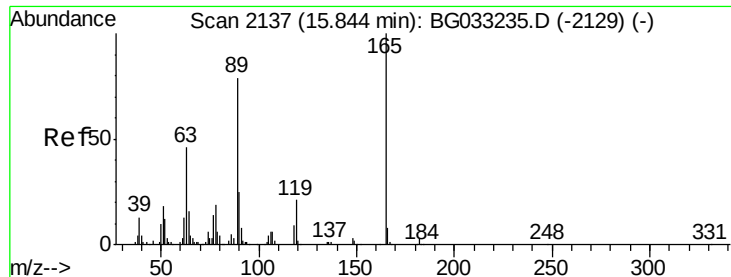
Tot Ion:172 Resp: 800946
 Ion Ratio Lower Upper
 172 100
 171 38.4 30.0 45.0
 170 24.8 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 6.867 ng
 RT: 15.48 min Scan# 2075
 Delta R.T. 0.41 min
 Lab File: BG033351.D
 Acq: 27 Mar 2018 4:40

Tgt Ion:165 Resp: 16173
 Ion Ratio Lower Upper
 165 100
 63 1.8 52.7 79.1#
 89 3.0 49.2 73.8#

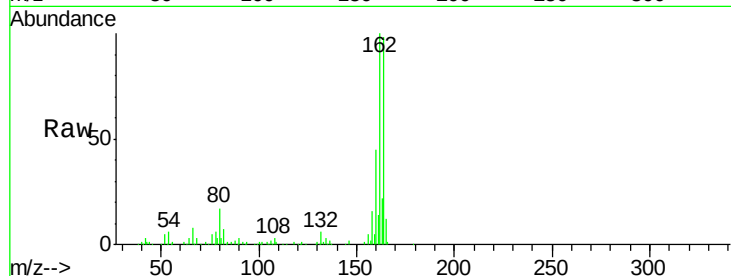




#56
 2,4-Dinitrotoluene
 Concen: 4.664 ng
 RT: 15.48 min Scan# 2075
 Delta R.T. -0.37 min
 Lab File: BG033351.D
 Acq: 27 Mar 2018 4:40

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	42.0	63.0#
89	3.0	66.9	100.3#
182	0.0	2.6	3.8#

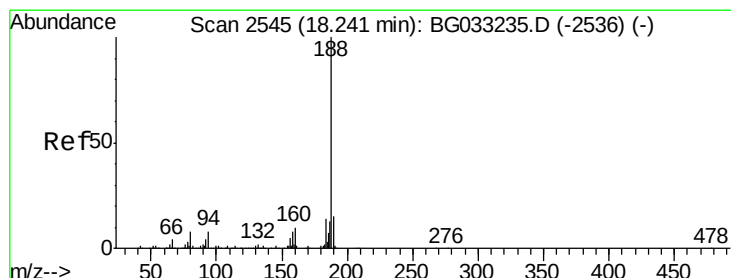
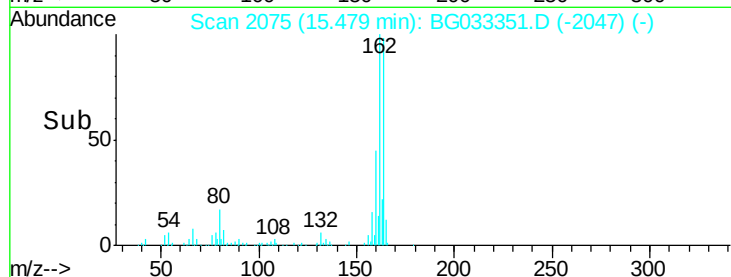
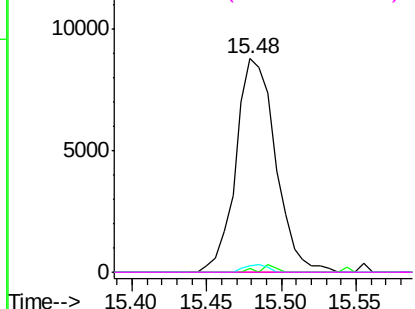


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

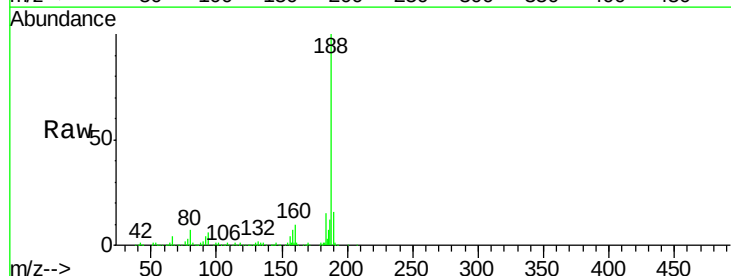
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.21 min Scan# 2540
 Delta R.T. -0.03 min
 Lab File: BG033351.D
 Acq: 27 Mar 2018 4:40

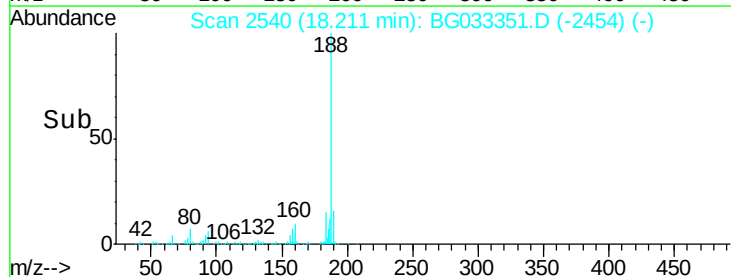
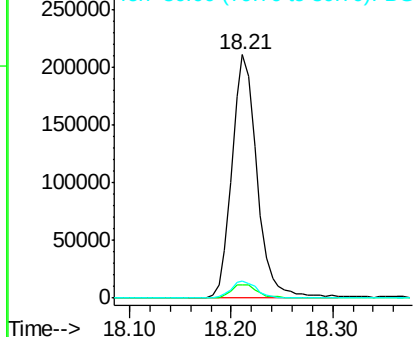
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.7	6.9	10.3#
80	7.0	7.7	11.5#

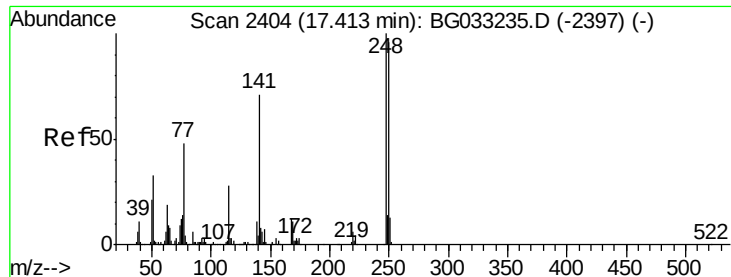


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

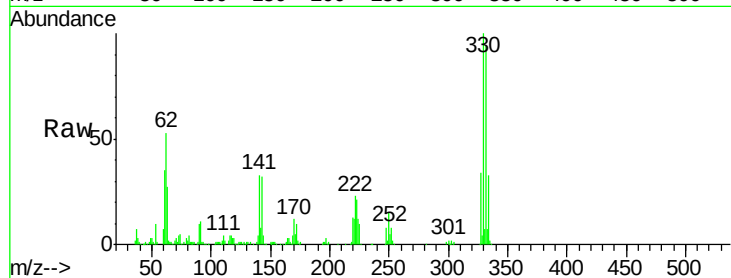




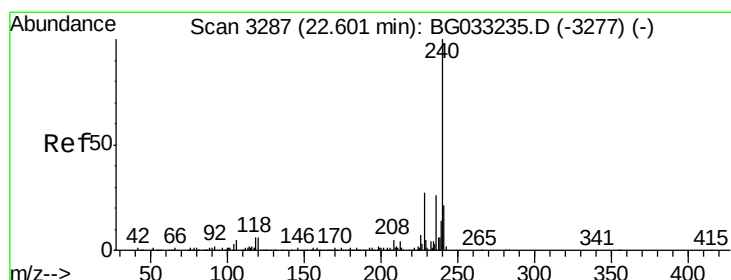
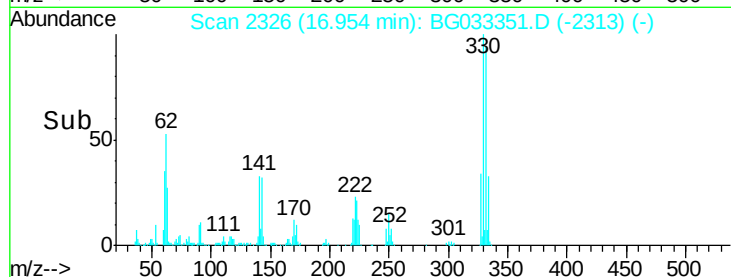
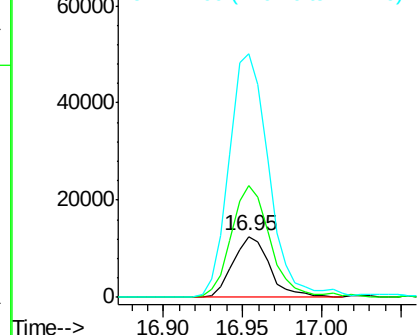
#66
4-Bromophenyl-phenylether
Concen: 4.707 ng
RT: 16.95 min Scan# 2326
Delta R.T. -0.46 min
Lab File: BG033351.D
Acq: 27 Mar 2018 4:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 20162
Ion Ratio Lower Upper
248 100
250 184.9 77.1 115.7#
141 401.2 50.8 76.2#

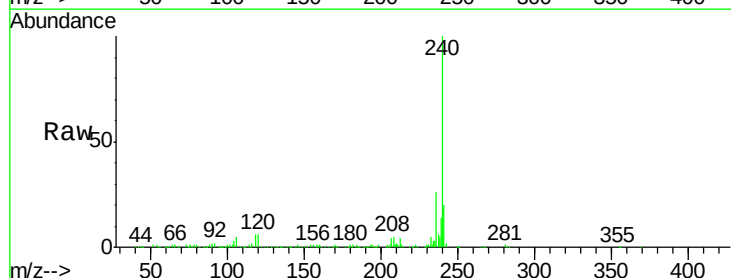


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

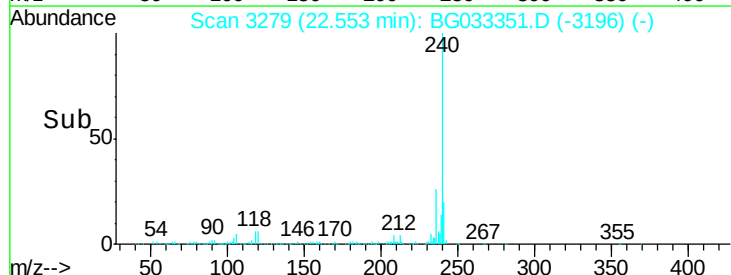
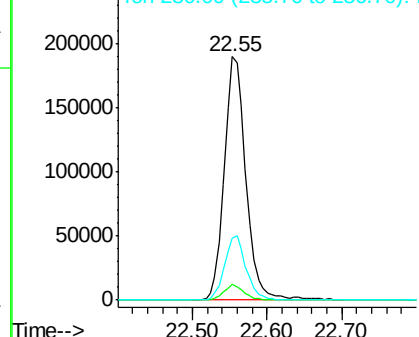


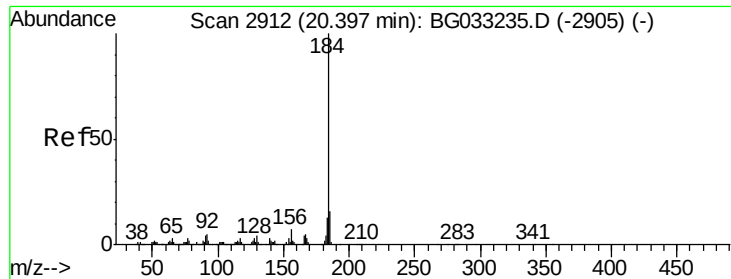
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.55 min Scan# 3279
Delta R.T. -0.04 min
Lab File: BG033351.D
Acq: 27 Mar 2018 4:40

Tgt Ion:240 Resp: 383176
Ion Ratio Lower Upper
240 100
120 6.5 6.8 10.2#
236 25.6 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: 2.460 ng

RT: 20.73 min Scan# 2969

Delta R.T. 0.34 min

Lab File: BG033351.D

Acq: 27 Mar 2018 4:40

Instrument :

BNA_G

ClientSampleId :

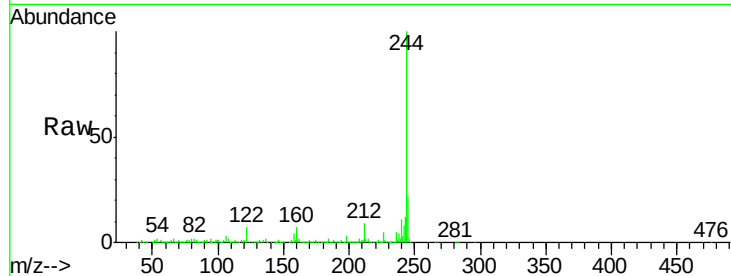
Tot Ion:184 Resp: 25562

Ion Ratio Lower Upper

184 100

185 19.5 11.1 16.7#

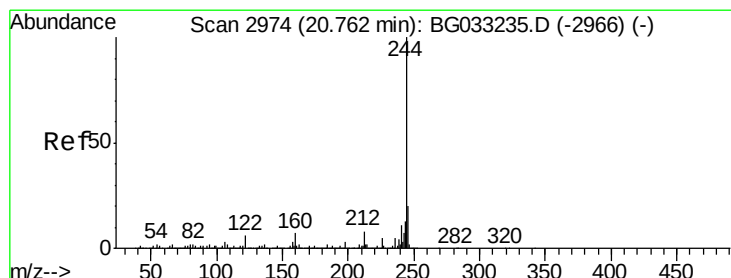
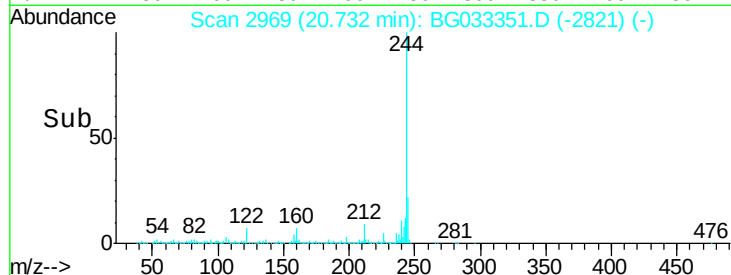
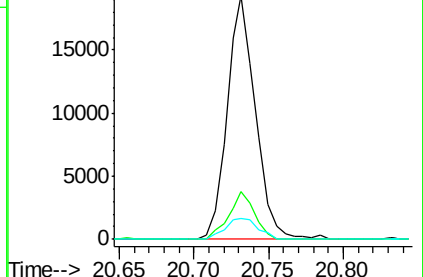
183 8.6 10.6 16.0#



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: 86.206 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.03 min

Lab File: BG033351.D

Acq: 27 Mar 2018 4:40

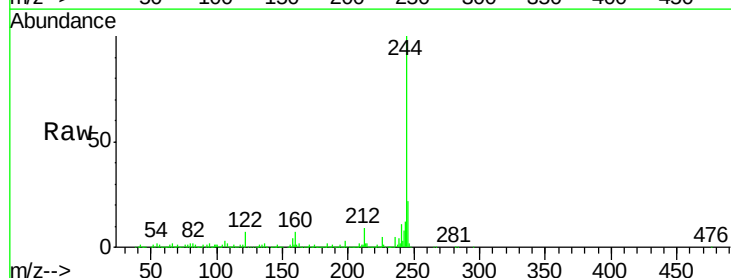
Tgt Ion:244 Resp: 1544558

Ion Ratio Lower Upper

244 100

212 8.6 5.8 8.8

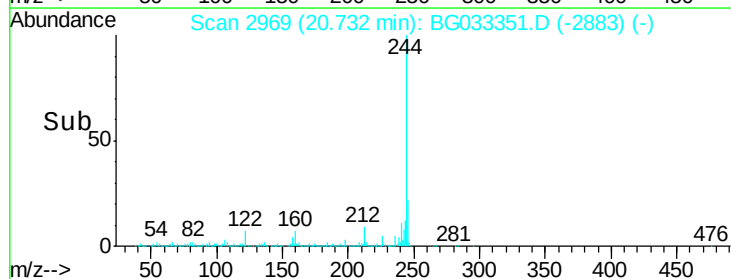
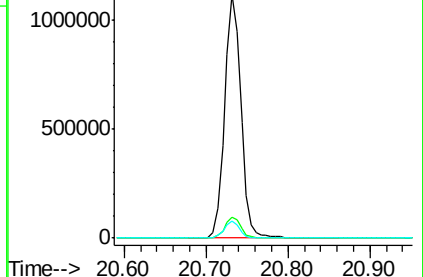
122 7.2 7.0 10.4

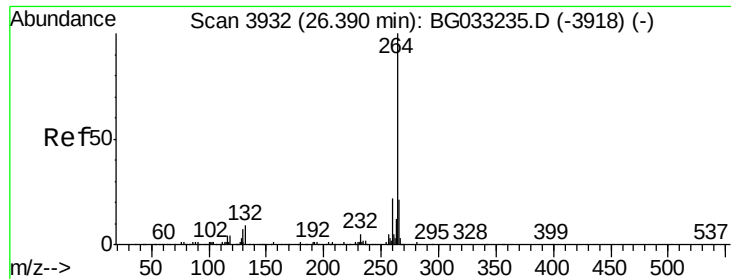


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

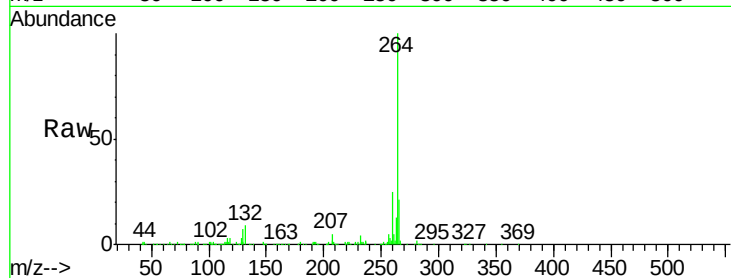




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.32 min Scan# 3920
Delta R.T. -0.07 min
Lab File: BG033351.D
Acq: 27 Mar 2018 4:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	264	Resp:	402915
Ion	Ratio	Lower	Upper
264	100		
260	24.6	17.4	26.0
265	20.6	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

