

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102518\
 Data File : BG037555.D
 Acq On : 25 Oct 2018 21:35
 Operator : JU/SJ
 Sample : J5603-15RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RAV-GT111

Quant Time: Oct 26 08:06:31 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	65735	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	294628	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	202967	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	463242	20.00	ng	0.00
76) Chrysene-d12	21.76	240	403993	20.00	ng	-0.01
87) Perylene-d12	25.10	264	410553	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	210266	53.48	ng	0.00
7) Phenol-d6	7.25	99	190604	32.06	ng	0.00
23) Nitrobenzene-d5	9.28	82	416564	79.20	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	259429	117.19	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	983069	73.04	ng	0.00
79) Terphenyl-d14	20.08	244	1400294	74.06	ng	0.00

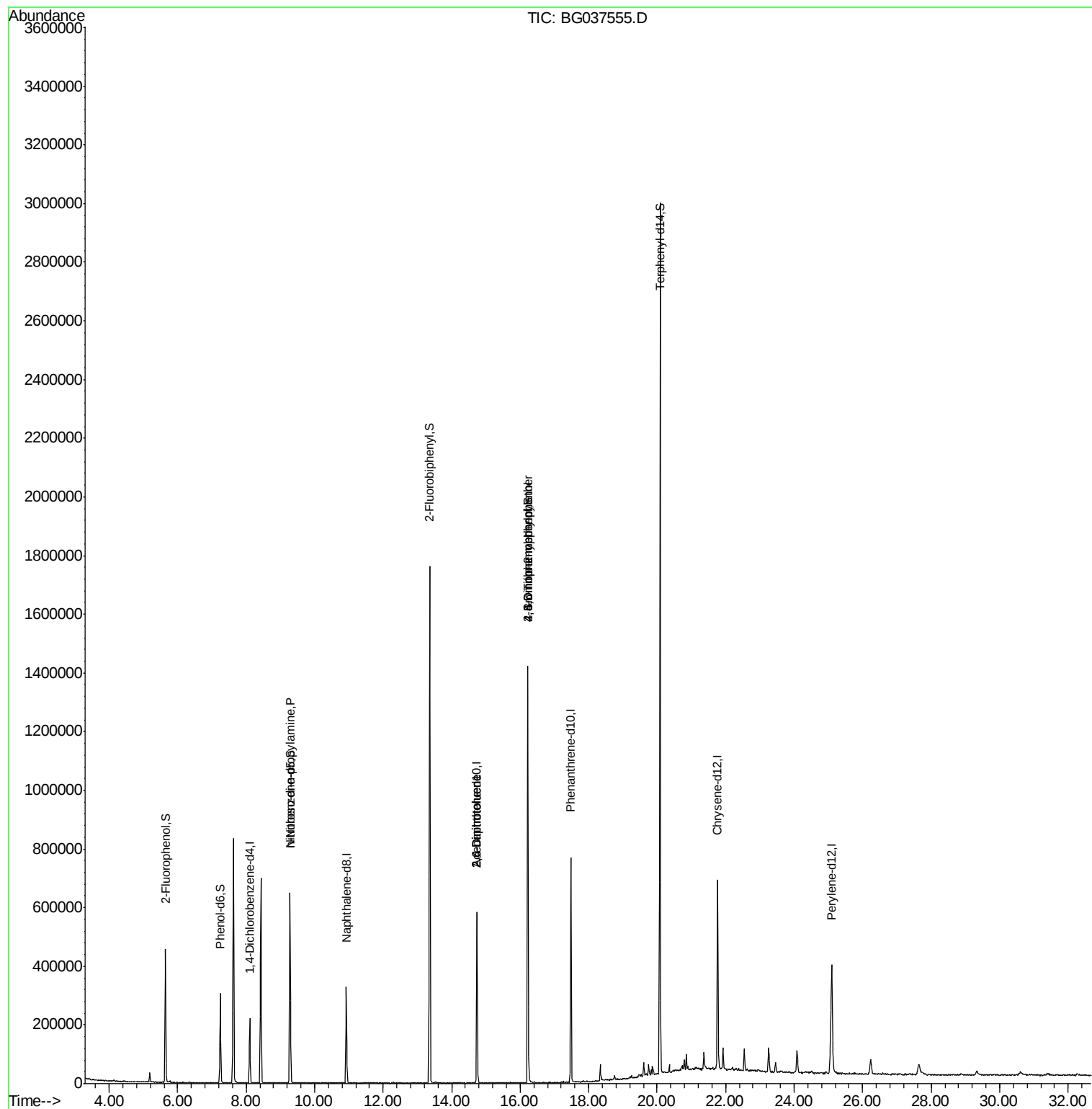
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.28	70	52373	12.792	ng	# 73
51) 2,6-Dinitrotoluene	14.74	165	26658	7.675	ng	# 25
57) 2,4-Dinitrotoluene	14.74	165	26658	5.847	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.22	198	835	8.790	ng	78
67) 4-Bromophenyl-phenylether	16.22	248	19049	3.745	ng	# 1

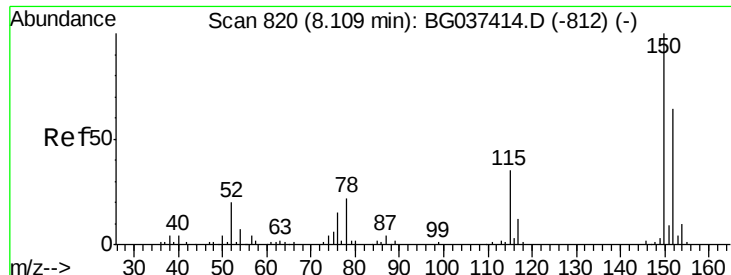
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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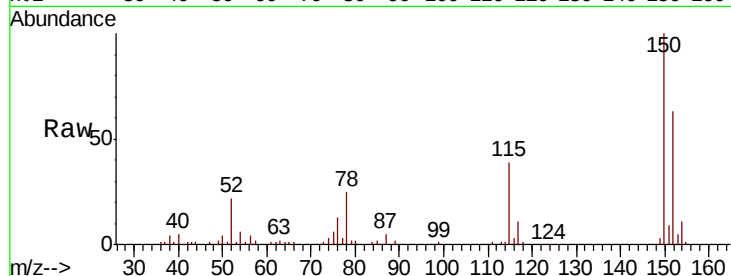




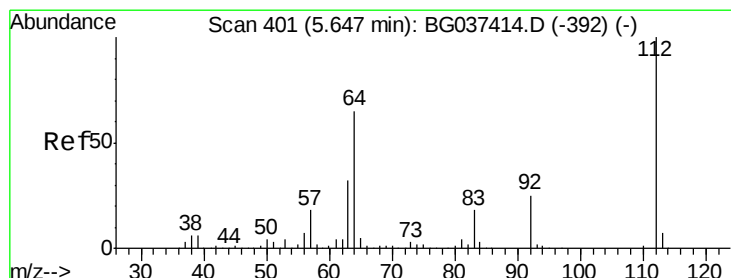
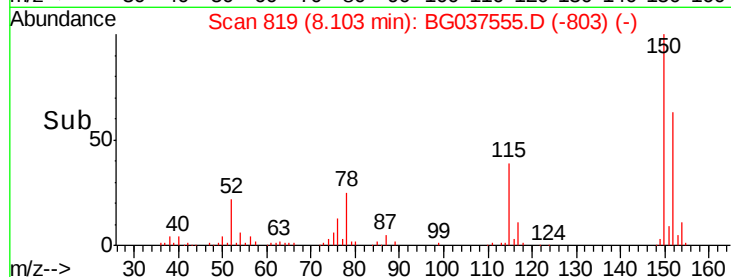
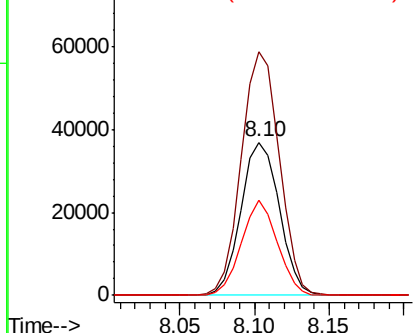
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.10 min Scan# 819
 Delta R.T. -0.01 min
 Lab File: BG037555.D
 Acq: 25 Oct 2018 21:35

Instrument :
 BNA_G
 ClientSampleId :
 RAV-GT111

Tot Ion:152 Resp: 65735
 Ion Ratio Lower Upper
 152 100
 150 158.8 126.0 189.0
 115 62.1 45.5 68.3

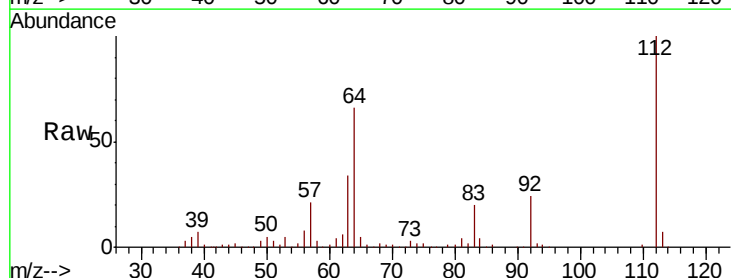


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

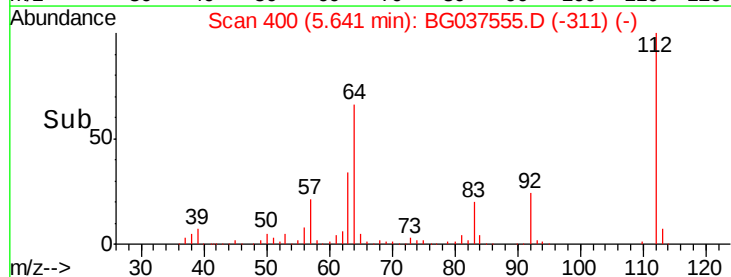
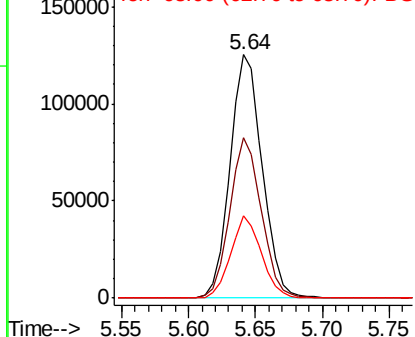


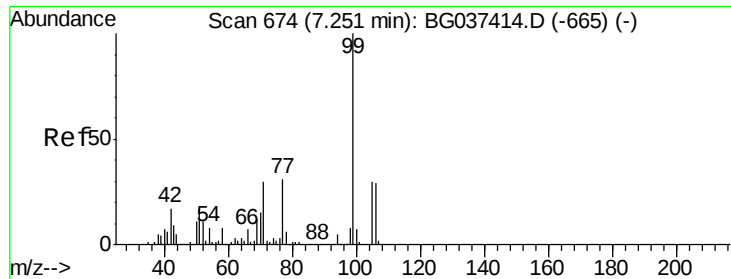
#5
 2-Fluorophenol
 Concen: 53.477 ng
 RT: 5.64 min Scan# 400
 Delta R.T. -0.01 min
 Lab File: BG037555.D
 Acq: 25 Oct 2018 21:35

Tgt Ion:112 Resp: 210266
 Ion Ratio Lower Upper
 112 100
 64 66.0 53.1 79.7
 63 34.0 27.3 40.9



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





#7

Phenol-d6

Concen: 32.059 ng

RT: 7.25 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037555.D

Acq: 25 Oct 2018 21:35

Instrument :

BNA_G

ClientSampleId :

RAV-GT111

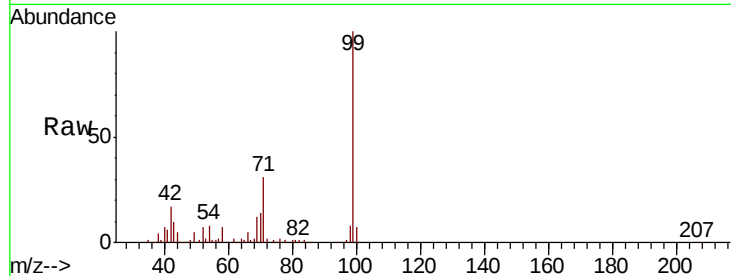
Tot Ion: 99 Resp: 190604

Ion Ratio Lower Upper

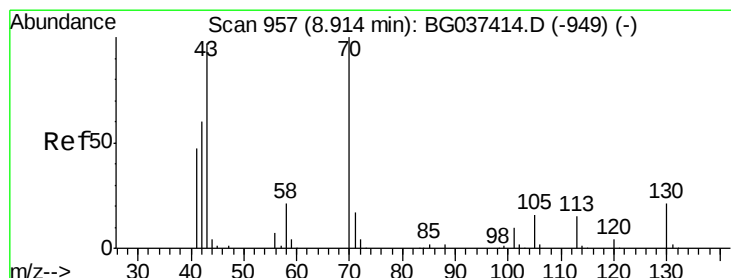
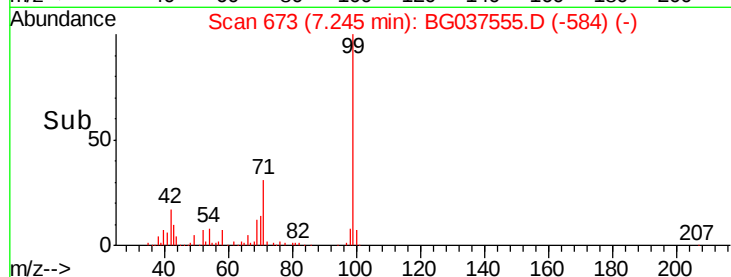
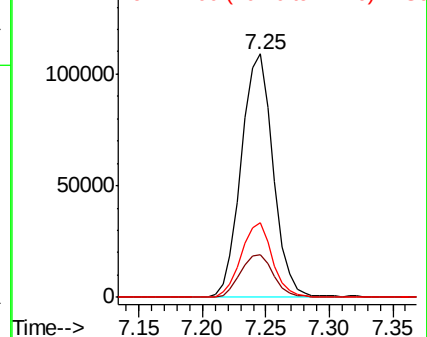
99 100

42 17.5 15.0 22.4

71 30.7 25.5 38.3



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: 12.792 ng

RT: 9.28 min Scan# 1019

Delta R.T. 0.36 min

Lab File: BG037555.D

Acq: 25 Oct 2018 21:35

Tgt Ion: 70 Resp: 52373

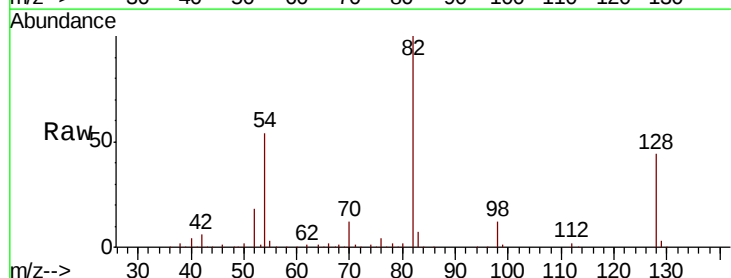
Ion Ratio Lower Upper

70 100

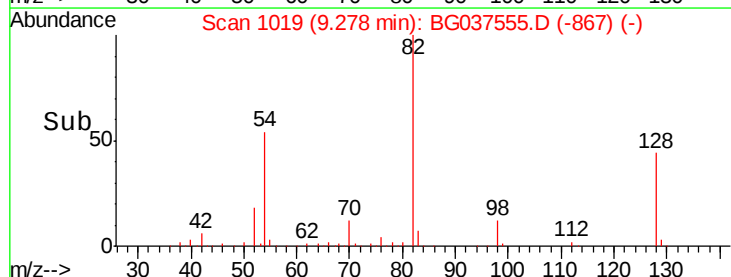
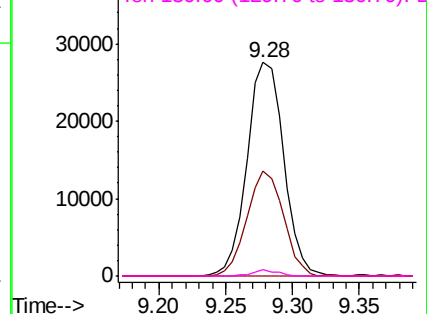
42 49.3 53.9 80.9#

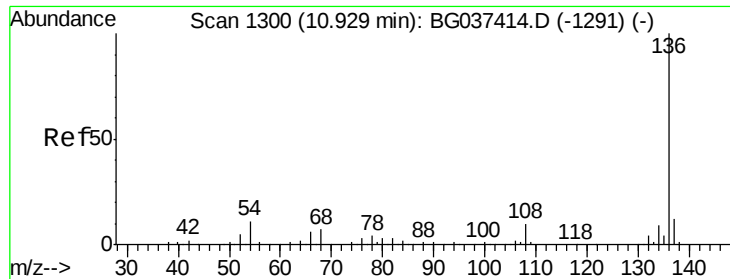
101 0.0 8.2 12.2#

130 2.8 18.2 27.4#



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

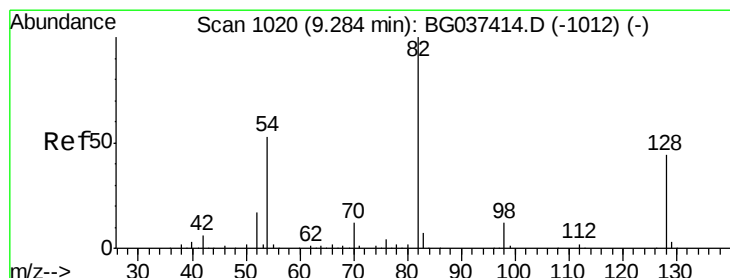
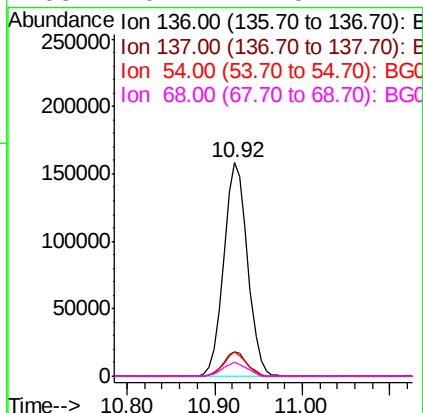
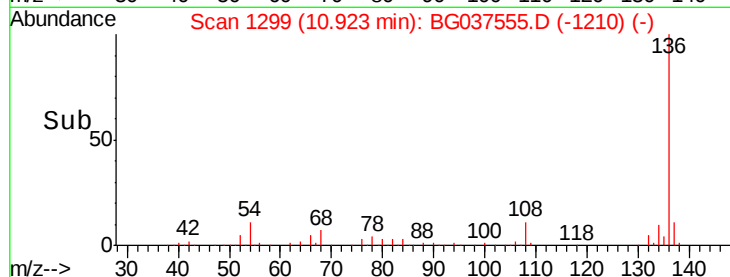
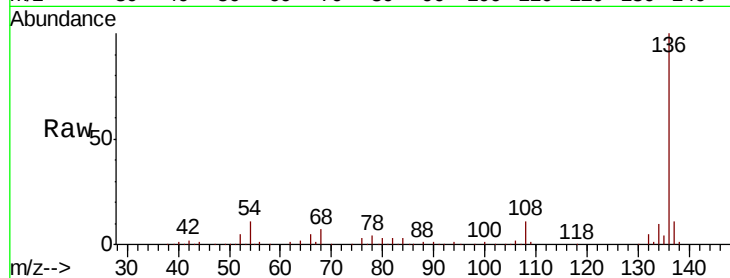




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BG037555.D
Acq: 25 Oct 2018 21:35

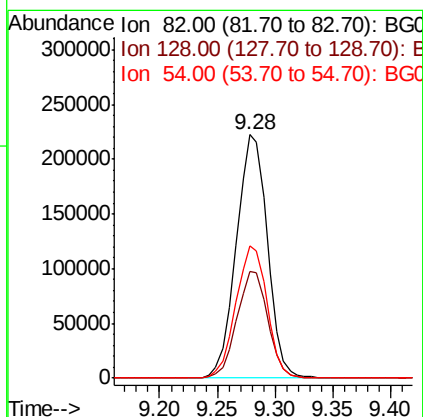
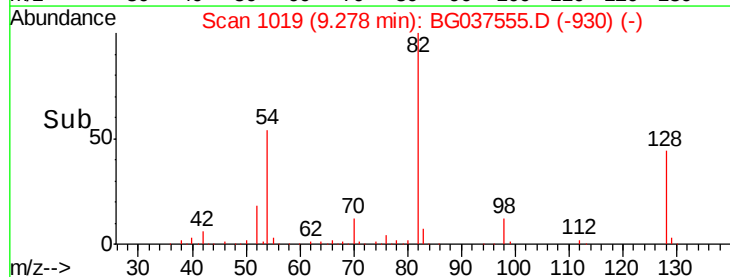
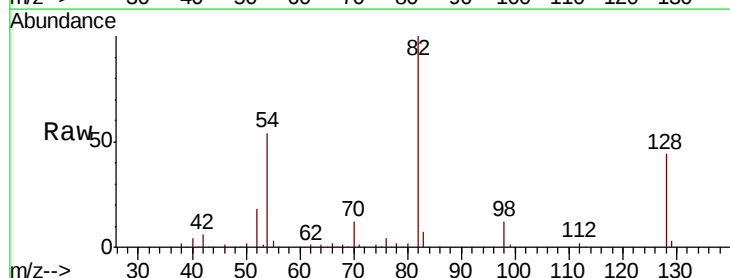
Instrument :
BNA_G
ClientSampleId :
RAV-GT111

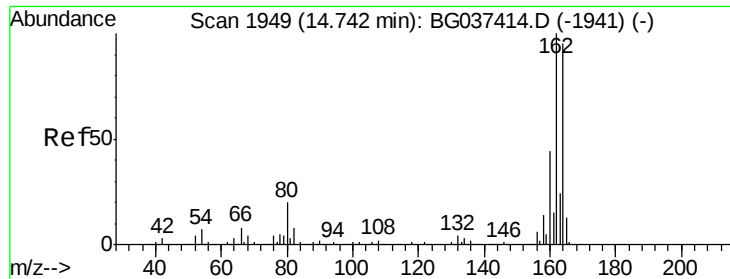
Tot Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.6	14.4
54	11.1	7.9	11.9
68	6.7	4.8	7.2



#23
Nitrobenzene-d5
Concen: 79.203 ng
RT: 9.28 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BG037555.D
Acq: 25 Oct 2018 21:35

Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.9	34.6	51.8
54	54.3	45.3	67.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1948

Delta R.T. -0.01 min

Lab File: BG037555.D

Acq: 25 Oct 2018 21:35

Instrument :

BNA_G

ClientSampleId :

RAV-GT111

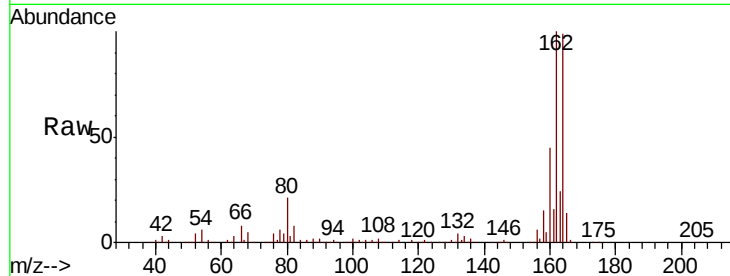
Tot Ion:164 Resp: 202967

Ion Ratio Lower Upper

164 100

162 100.7 81.3 121.9

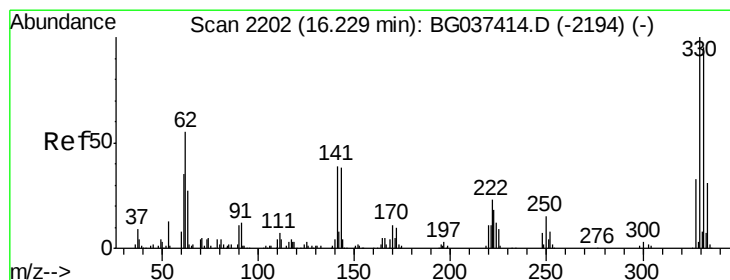
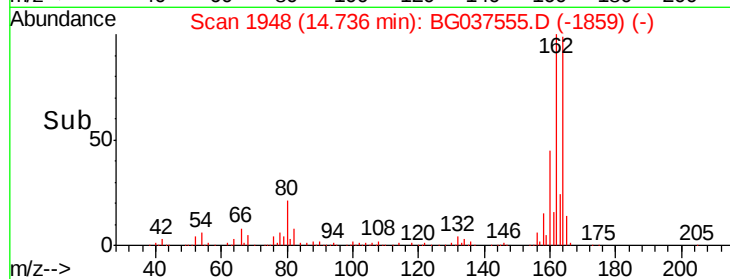
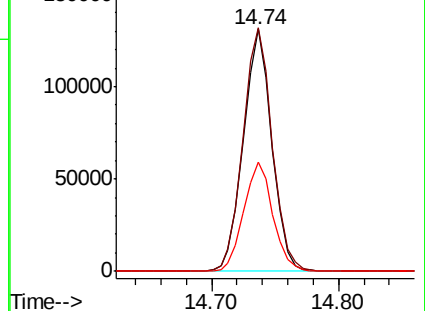
160 45.4 36.3 54.5



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



#42

2,4,6-Tribromophenol

Concen: 117.190 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG037555.D

Acq: 25 Oct 2018 21:35

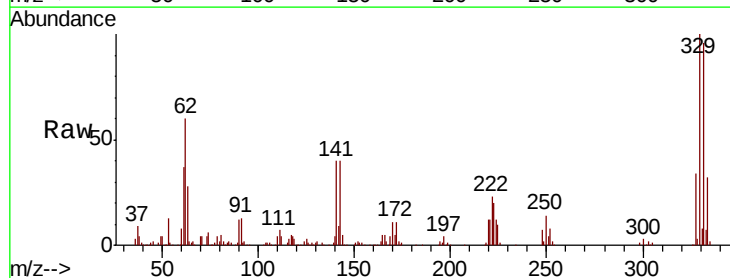
Tgt Ion:330 Resp: 259429

Ion Ratio Lower Upper

330 100

332 95.3 78.4 117.6

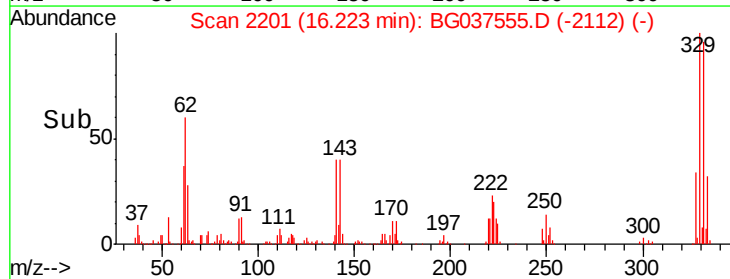
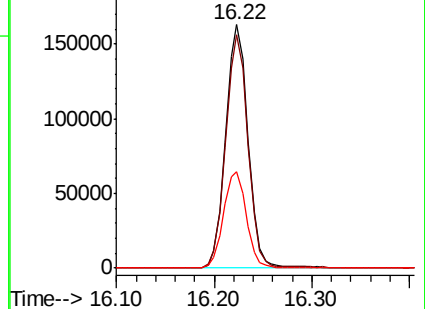
141 40.3 32.2 48.2

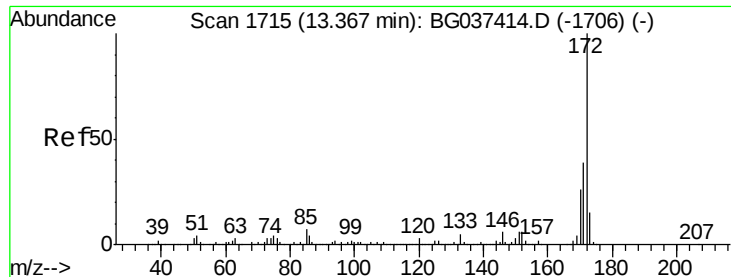


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

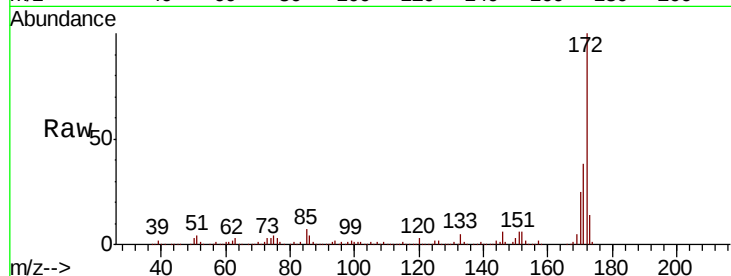




#45
2-Fluorobiphenyl
Concen: 73.037 ng
RT: 13.36 min Scan# 1714
Delta R.T. -0.01 min
Lab File: BG037555.D
Acq: 25 Oct 2018 21:35

Instrument :
BNA_G
ClientSampleId :
RAV-GT111

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.3	31.0	46.4
170	25.4	20.2	30.2

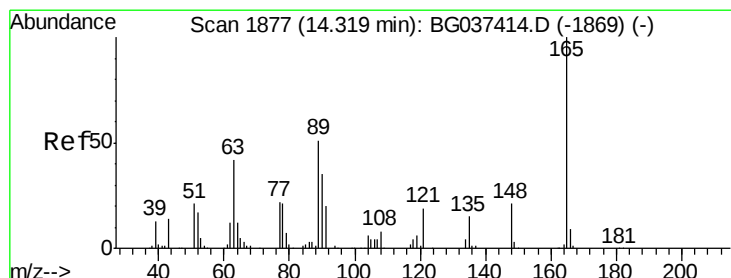
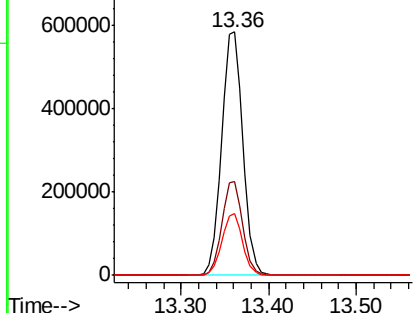
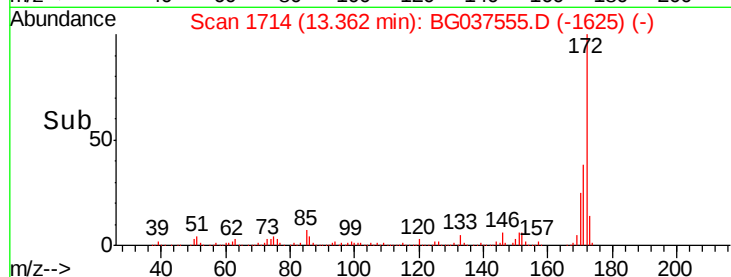


Abundance

Ion 172.00 (171.70 to 172.70): E

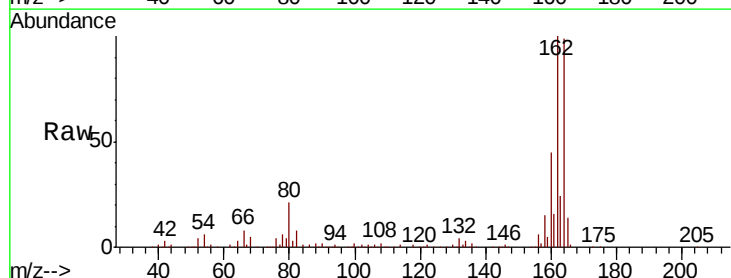
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#51
2,6-Dinitrotoluene
Concen: 7.675 ng
RT: 14.74 min Scan# 1948
Delta R.T. 0.42 min
Lab File: BG037555.D
Acq: 25 Oct 2018 21:35

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	43.4	65.2#
89	1.4	45.8	68.6#

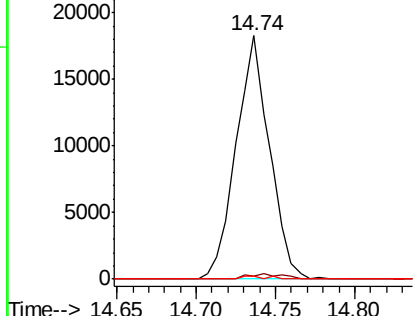
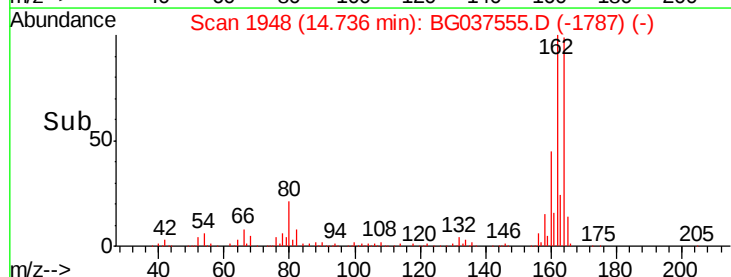


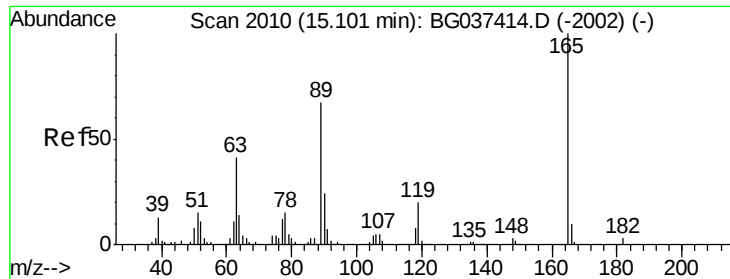
Abundance

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





#57

2,4-Dinitrotoluene

Concen: 5.847 ng

RT: 14.74 min Scan# 1948

Delta R.T. -0.36 min

Lab File: BG037555.D

Acq: 25 Oct 2018 21:35

Instrument :

BNA_G

ClientSampled :

RAV-GT111

Tot Ion:165 Resp: 26658

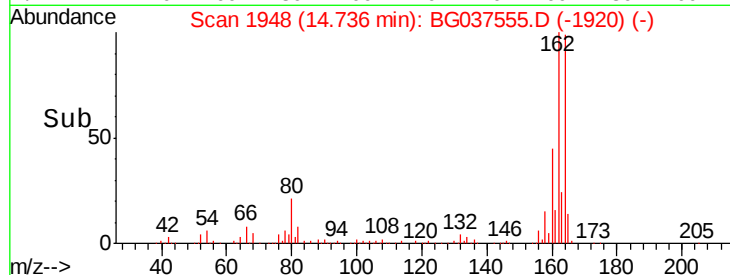
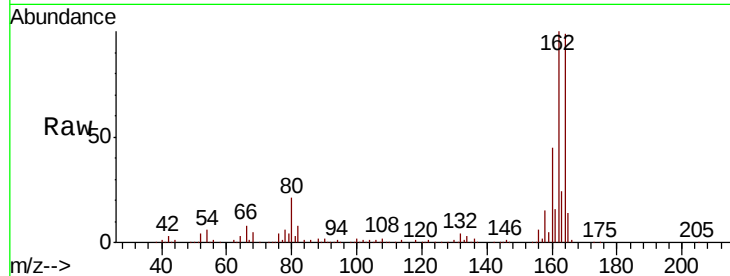
Ion Ratio Lower Upper

165 100

63 1.1 33.4 50.0#

89 1.4 57.2 85.8#

182 0.0 2.6 4.0#

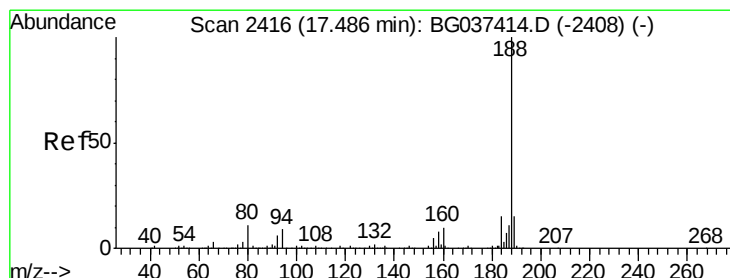
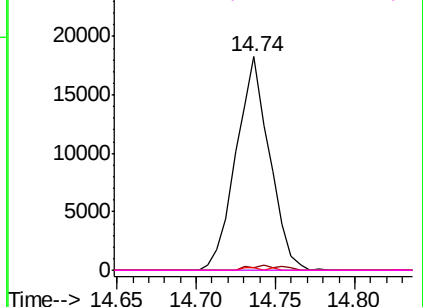


Abundance Ion 165.00 (164.70 to 165.70): E

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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BG037555.D

Acq: 25 Oct 2018 21:35

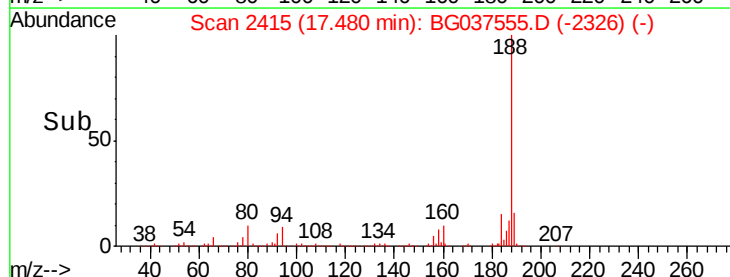
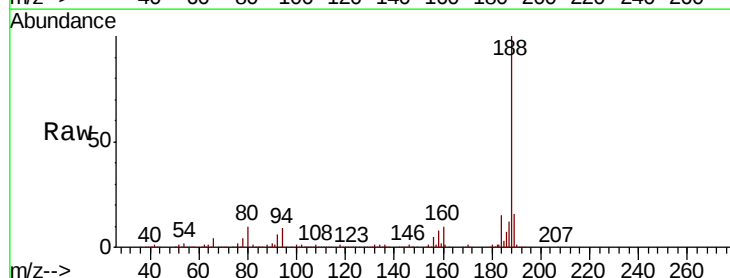
Tgt Ion:188 Resp: 463242

Ion Ratio Lower Upper

188 100

94 9.4 7.2 10.8

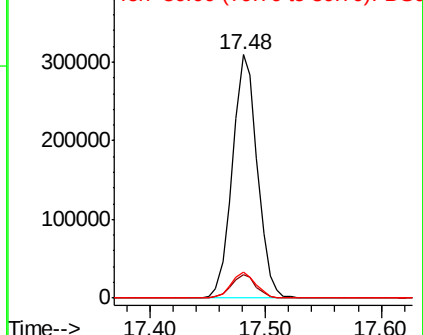
80 10.5 7.7 11.5

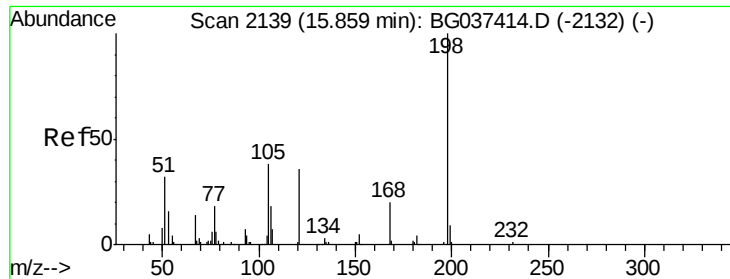


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

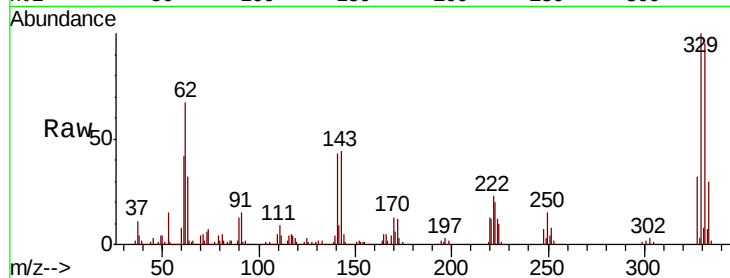




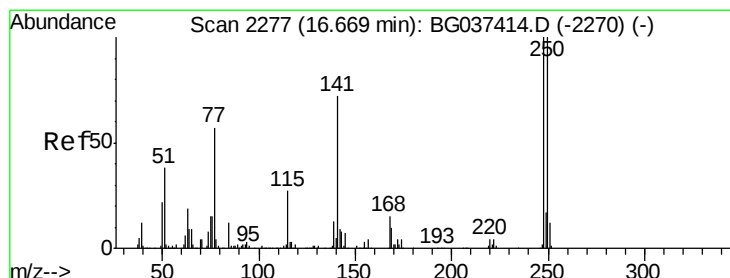
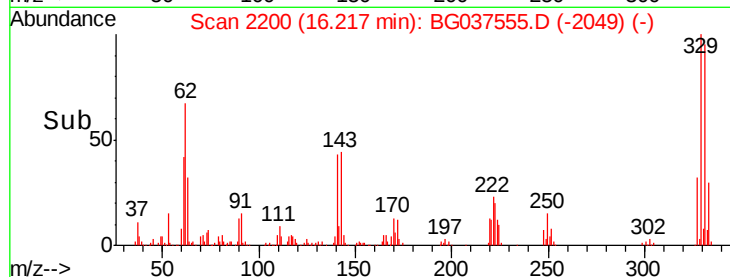
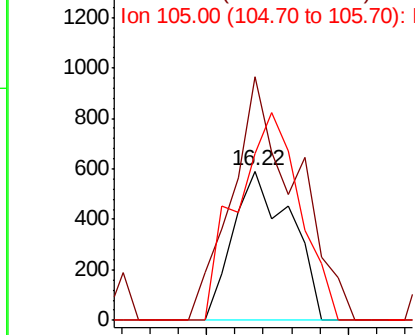
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.790 ng
 RT: 16.22 min Scan# 2200
 Delta R.T. 0.36 min
 Lab File: BG037555.D
 Acq: 25 Oct 2018 21:35

Instrument :
 BNA_G
 ClientSampleId :
 RAV-GT111

Tot Ion:198 Resp: 835
 Ion Ratio Lower Upper
 198 100
 51 32.1 22.7 62.7
 105 22.1 19.7 59.7

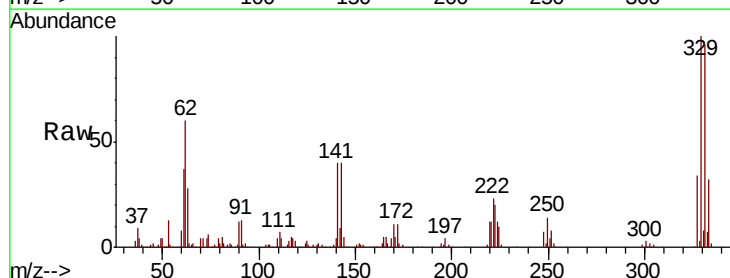


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

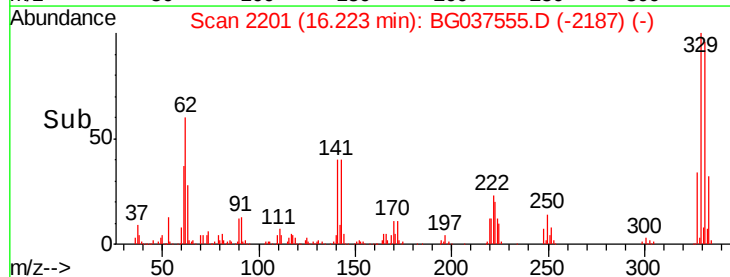
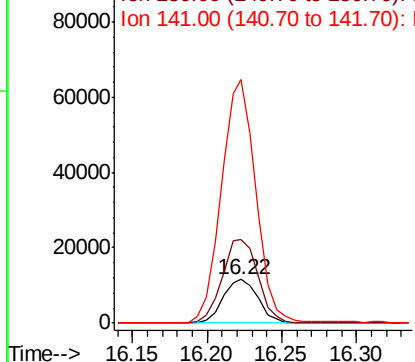


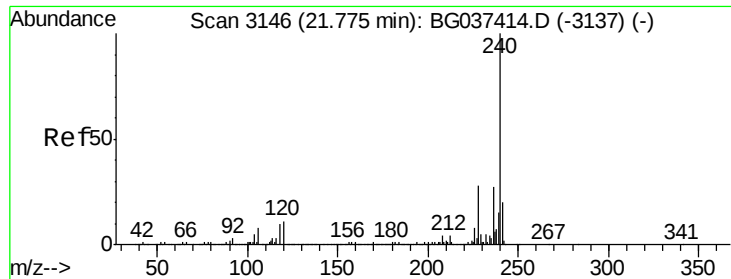
#67
 4-Bromophenyl-phenylether
 Concen: 3.745 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.45 min
 Lab File: BG037555.D
 Acq: 25 Oct 2018 21:35

Tgt Ion:248 Resp: 19049
 Ion Ratio Lower Upper
 248 100
 250 193.3 77.0 115.6#
 141 425.6 55.5 83.3#



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

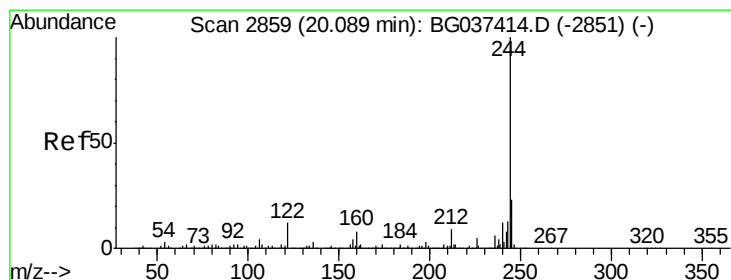
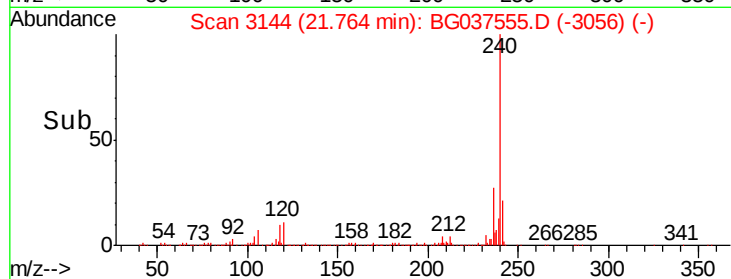
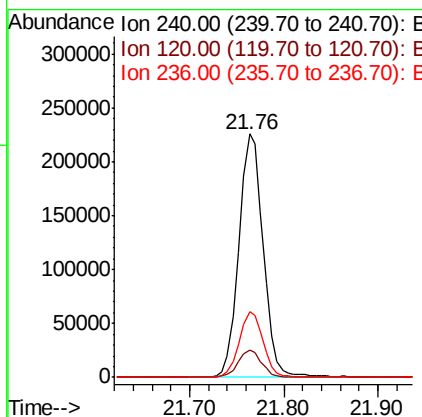
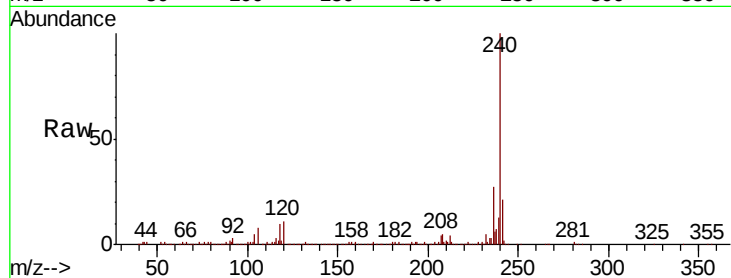




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.76 min Scan# 3144
 Delta R.T. -0.01 min
 Lab File: BG037555.D
 Acq: 25 Oct 2018 21:35

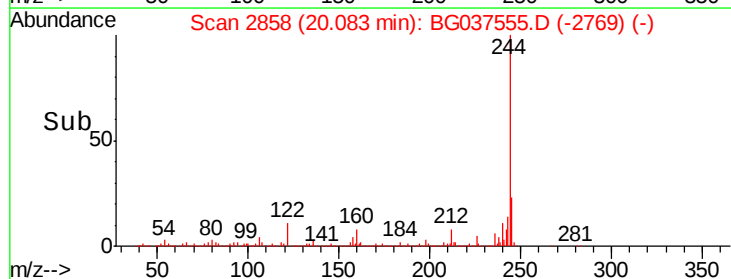
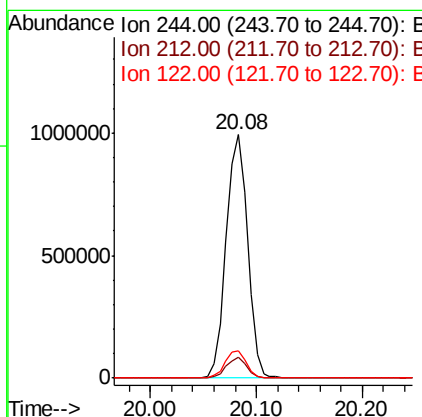
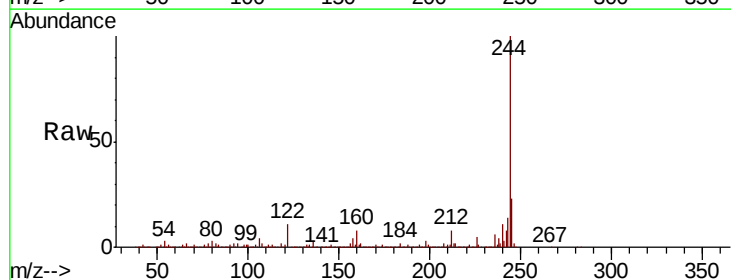
Instrument :
 BNA_G
 ClientSampleId :
 RAV-GT111

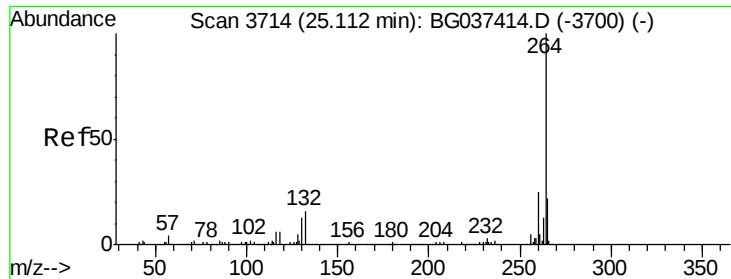
Tot Ion:240 Resp: 403993
 Ion Ratio Lower Upper
 240 100
 120 11.3 8.1 12.1
 236 27.2 21.4 32.0



#79
 Terphenyl-d14
 Concen: 74.063 ng
 RT: 20.08 min Scan# 2858
 Delta R.T. -0.01 min
 Lab File: BG037555.D
 Acq: 25 Oct 2018 21:35

Tgt Ion:244 Resp: 1400294
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.5 9.7
 122 11.3 9.0 13.4





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.10 min Scan# 3712
Delta R.T. -0.01 min
Lab File: BG037555.D
Acq: 25 Oct 2018 21:35

Instrument :
BNA_G
ClientSampleId :
RAV-GT111

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.2	27.4
265	22.5	17.9	26.9

