

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121115\
 Data File : BG020099.D
 Acq On : 11 Dec 2015 7:22
 Operator : UM/SJ
 Sample : G4729-04
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 11 10:45:07 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 02 18:50:01 2015
 Response via : Initial Calibration

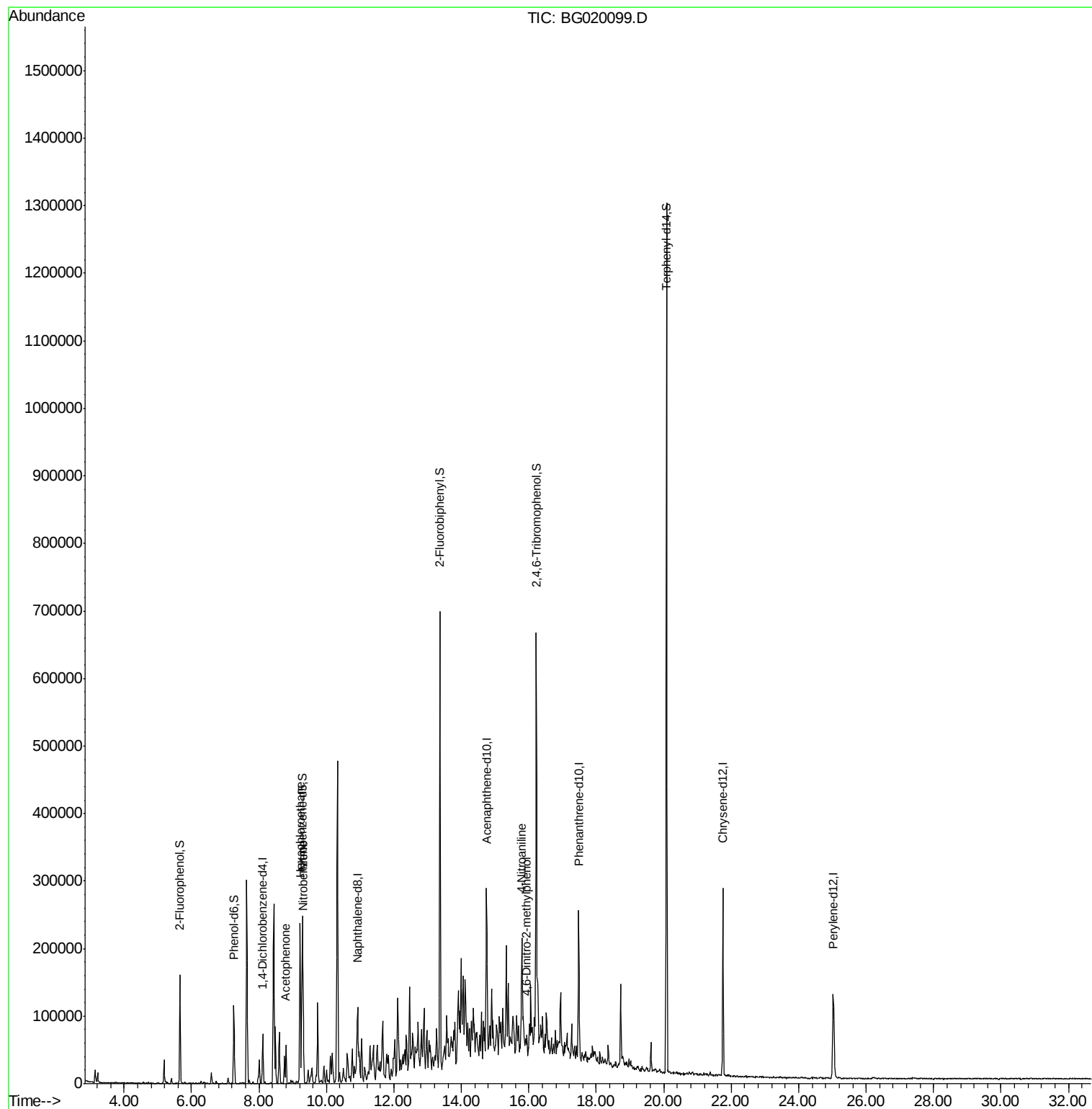
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	19606	20.00	ng	-0.03
21) Naphthalene-d8	10.93	136	80256	20.00	ng	-0.02
38) Acenaphthene-d10	14.73	164	53600	20.00	ng	-0.03
63) Phenanthrene-d10	17.48	188	131248	20.00	ng	-0.03
75) Chrysene-d12	21.75	240	167779	20.00	ng	-0.04
86) Perylene-d12	25.02	264	155579	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	68912	63.53	ng	-0.01
7) Phenol-d6	7.26	99	65209	39.81	ng	-0.02
23) Nitrobenzene-d5	9.28	82	146281	93.02	ng	-0.02
41) 2,4,6-Tribromophenol	16.22	330	111398	135.83	ng	-0.02
44) 2-Fluorobiphenyl	13.37	172	350011	89.16	ng	-0.02
78) Terphenyl-d14	20.08	244	572146	83.18	ng	-0.03
Target Compounds						
18) Hexachloroethane	9.22	117	37441	64.57	ng	# 1
22) Acetophenone	8.80	105	17863	8.12	ng	# 74
24) Nitrobenzene	9.31	77	7633	4.47	ng	# 8
61) 4-Nitroaniline	15.79	138	2331	2.20	ng	# 39
64) 4,6-Dinitro-2-methylphenol	15.92	198	84	6.21	ng	# 1

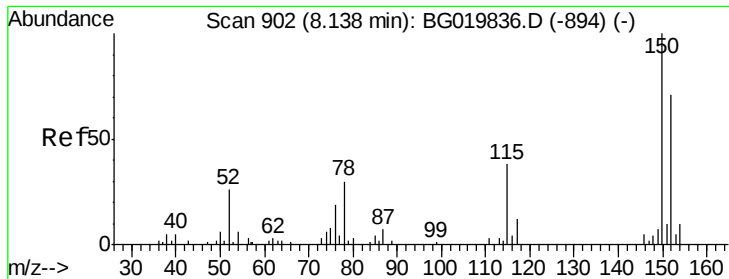
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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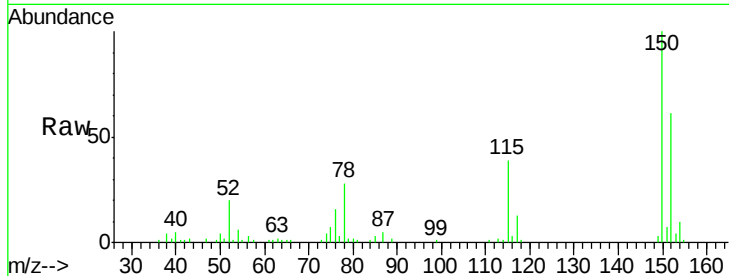


#1

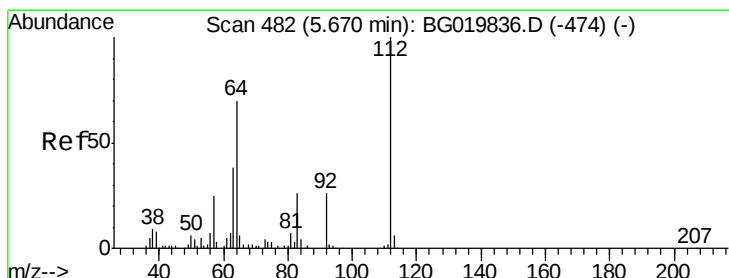
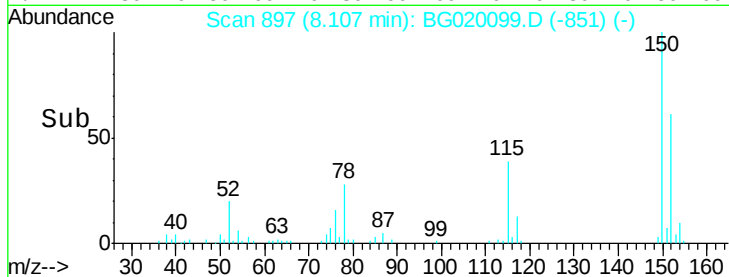
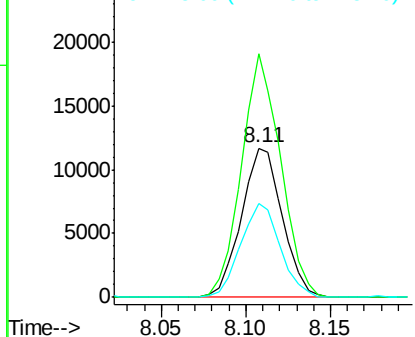
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.11 min Scan# 897
Delta R.T. -0.03 min
Lab File: BG020099.D
Acq: 11 Dec 2015 7:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 19606
Ion Ratio Lower Upper
152 100
150 163.5 115.0 172.4
115 63.0 43.9 65.9



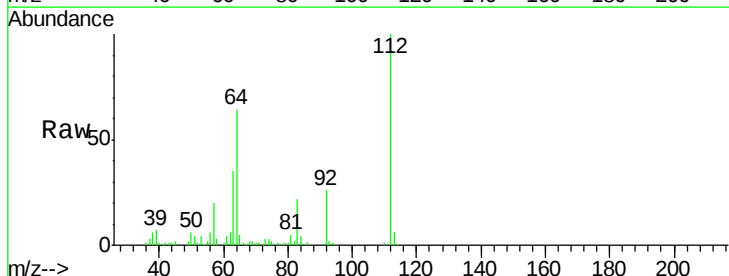
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



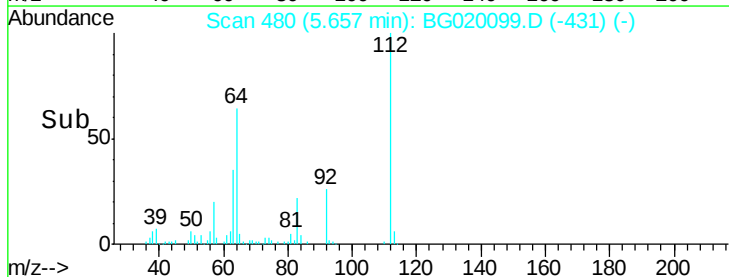
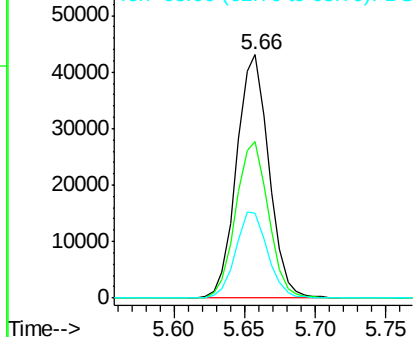
#5

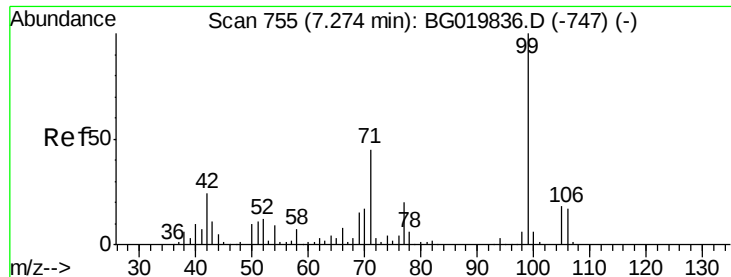
2-Fluorophenol
Concen: 63.53 ng
RT: 5.66 min Scan# 480
Delta R.T. -0.01 min
Lab File: BG020099.D
Acq: 11 Dec 2015 7:22

Tgt Ion:112 Resp: 68912
Ion Ratio Lower Upper
112 100
64 64.5 43.7 65.5
63 35.0 24.0 36.0



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: 39.81 ng

RT: 7.26 min Scan# 752

Delta R.T. -0.02 min

Lab File: BG020099.D

Acq: 11 Dec 2015 7:22

Instrument :

BNA_G

ClientSampled :

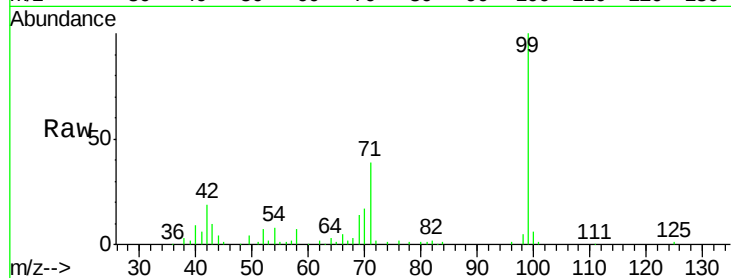
Tot Ion: 99 Resp: 65209

Ion Ratio Lower Upper

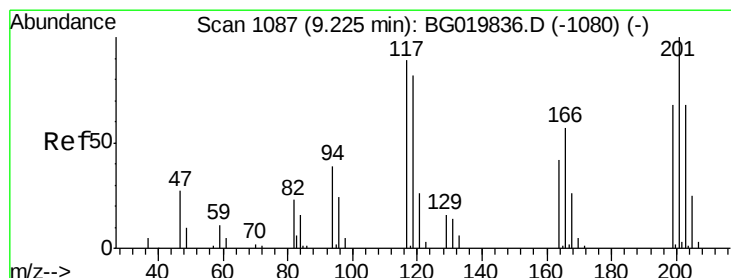
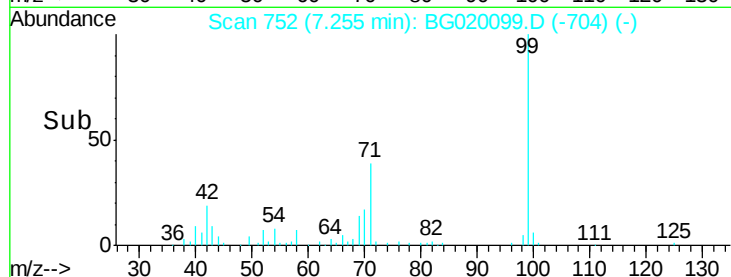
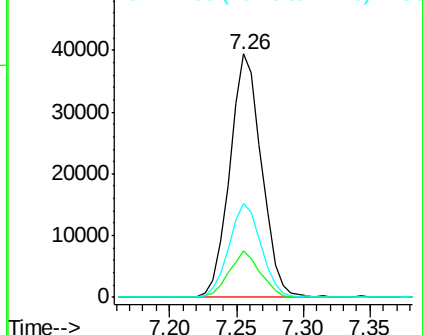
99 100

42 19.0 11.5 17.3#

71 38.6 22.6 34.0#



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



#18

Hexachloroethane

Concen: 64.57 ng

RT: 9.22 min Scan# 1087

Delta R.T. -0.00 min

Lab File: BG020099.D

Acq: 11 Dec 2015 7:22

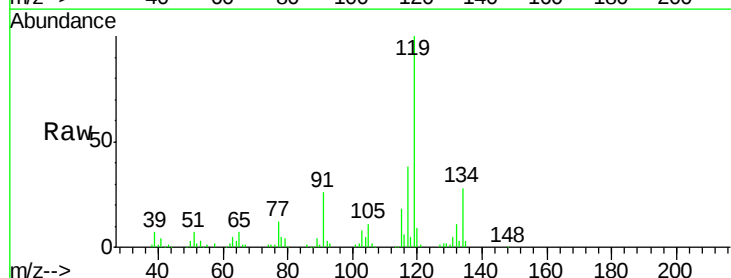
Tgt Ion: 117 Resp: 37441

Ion Ratio Lower Upper

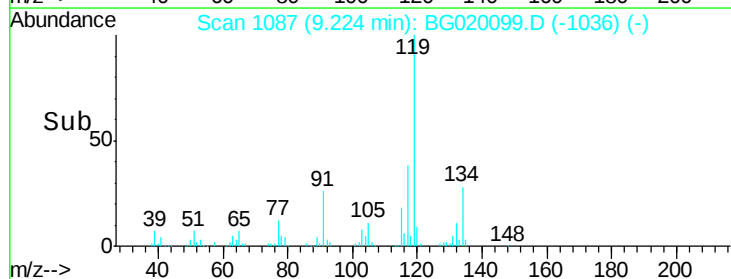
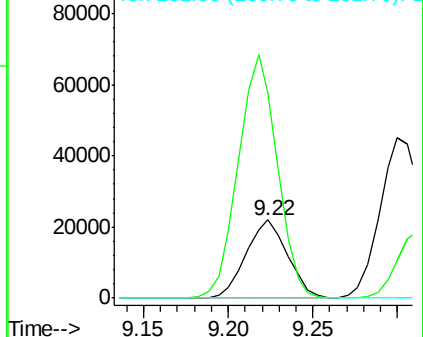
117 100

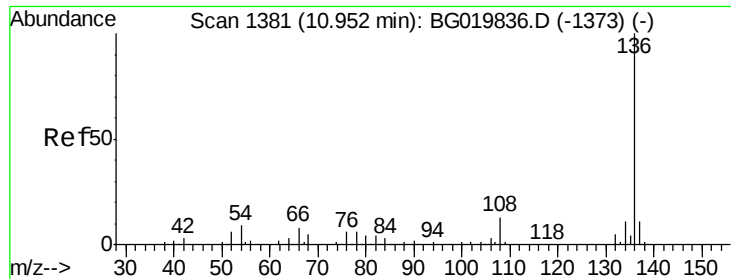
119 262.5 71.7 107.5#

201 0.0 90.9 136.3#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.93 min Scan# 1377

Delta R.T. -0.02 min

Lab File: BG020099.D

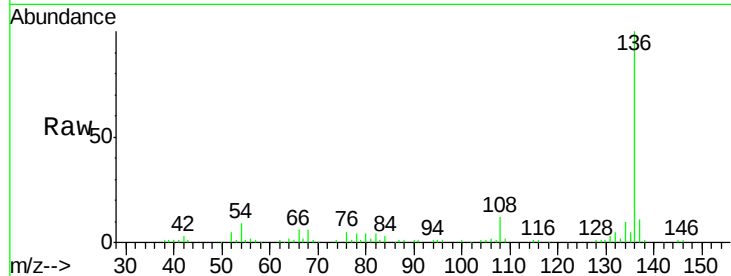
Acq: 11 Dec 2015 7:22

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136	Resp:	80256
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.6 12.8
54	9.3	5.4 8.2#
68	6.2	5.3 7.9

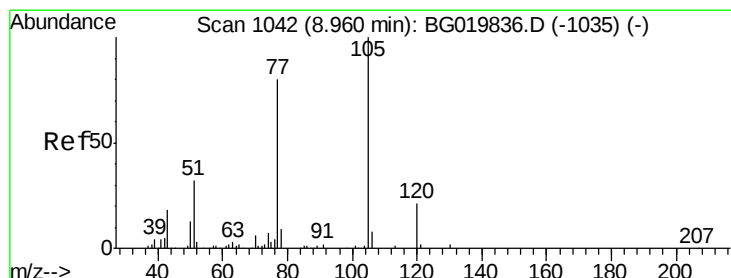
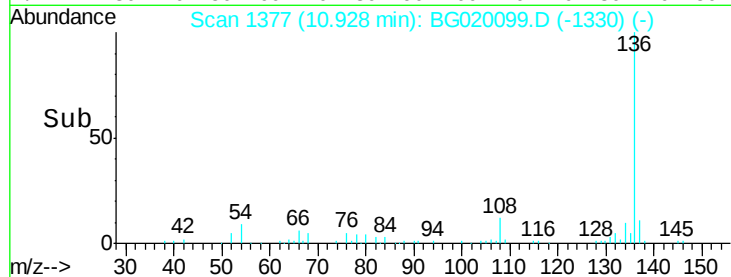
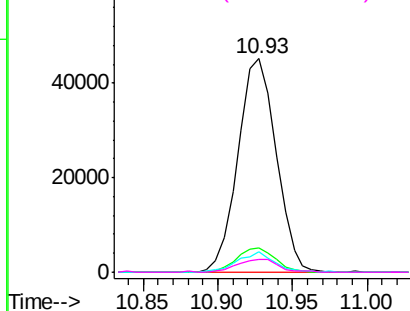


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 8.12 ng

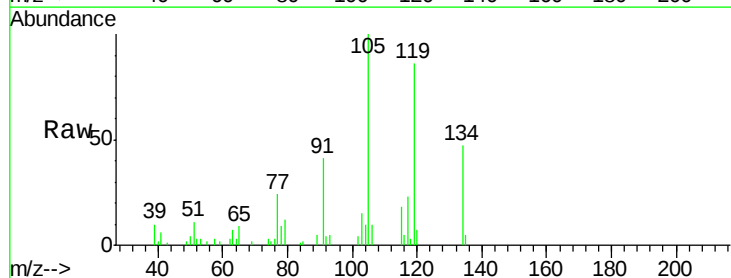
RT: 8.80 min Scan# 1015

Delta R.T. -0.16 min

Lab File: BG020099.D

Acq: 11 Dec 2015 7:22

Tgt Ion:105	Resp:	17863
Ion Ratio	Lower	Upper
105	100	
71	0.0	2.1 3.1#
51	11.4	17.8 26.8#
120	7.4	17.7 26.5#

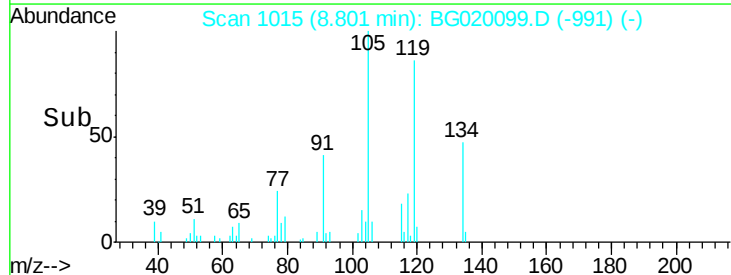
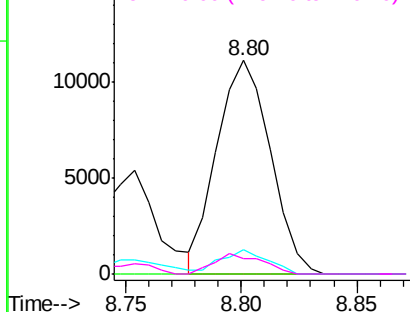


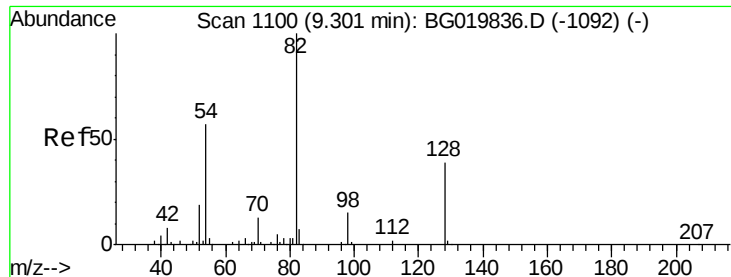
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E

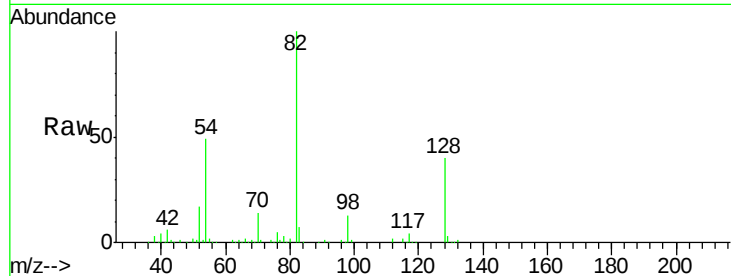




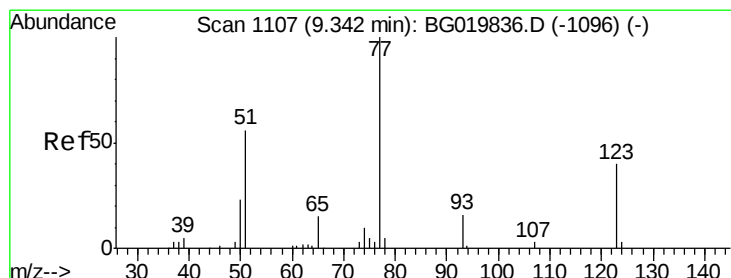
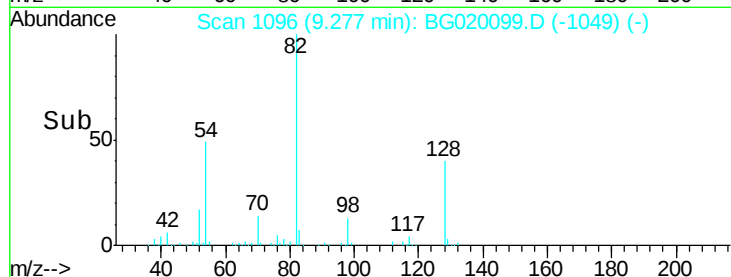
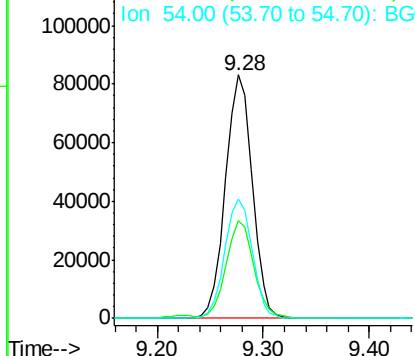
#23
Nitrobenzene-d5
Concen: 93.02 ng
RT: 9.28 min Scan# 1096
Delta R.T. -0.02 min
Lab File: BG020099.D
Acq: 11 Dec 2015 7:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion	82	Resp	146281
Ion Ratio	100	Lower	Upper
128	40.0	36.7	55.1
54	49.3	33.8	50.8

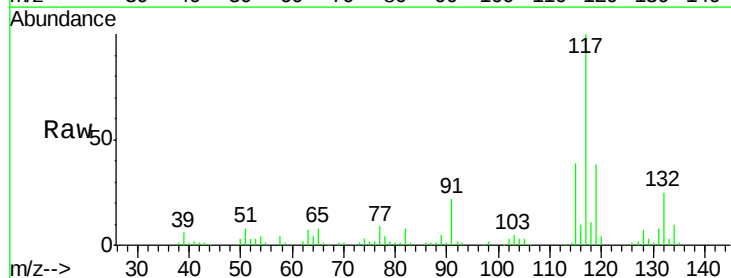


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

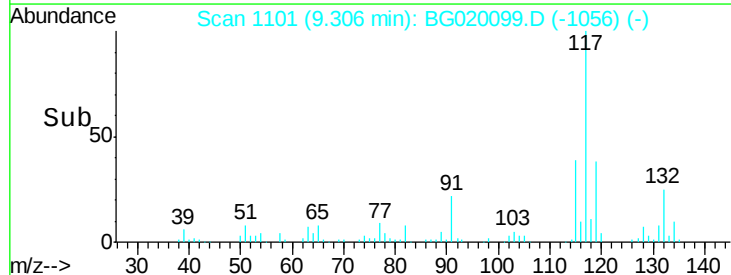
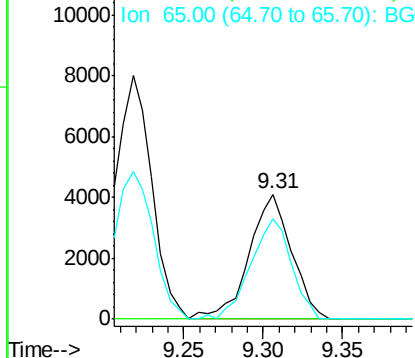


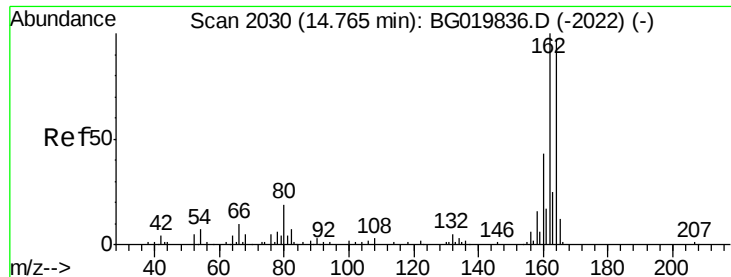
#24
Nitrobenzene
Concen: 4.47 ng
RT: 9.31 min Scan# 1101
Delta R.T. -0.04 min
Lab File: BG020099.D
Acq: 11 Dec 2015 7:22

Tgt Ion	77	Resp	7633
Ion Ratio	100	Lower	Upper
123	0.0	38.2	57.2#
65	80.3	10.6	16.0#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.73 min Scan# 2025

Delta R.T. -0.03 min

Lab File: BG020099.D

Acq: 11 Dec 2015 7:22

Instrument :

BNA_G

ClientSampleId :

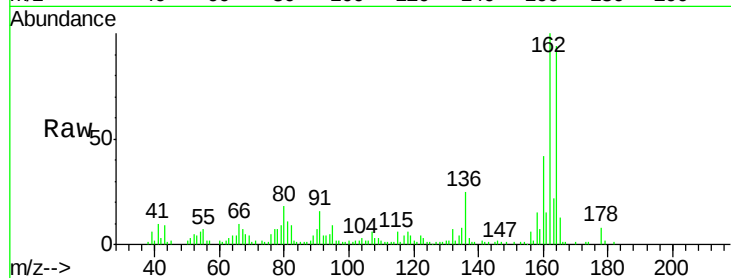
Tot Ion:164 Resp: 53600

Ion Ratio Lower Upper

164 100

162 106.9 78.8 118.2

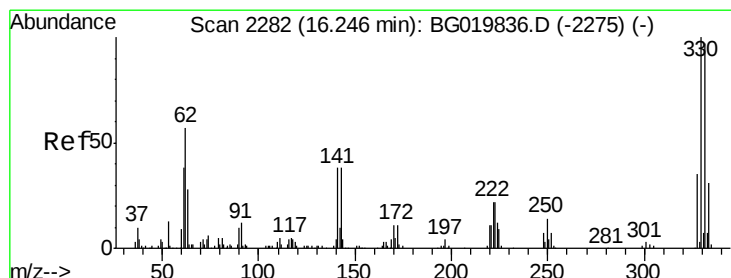
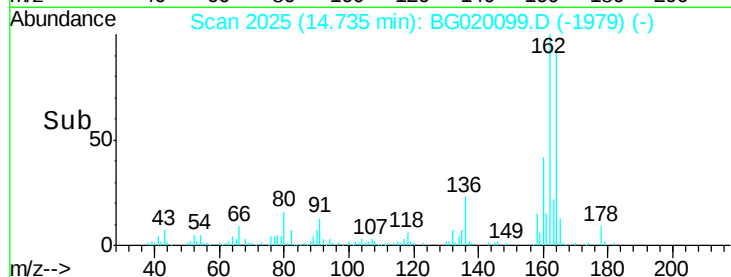
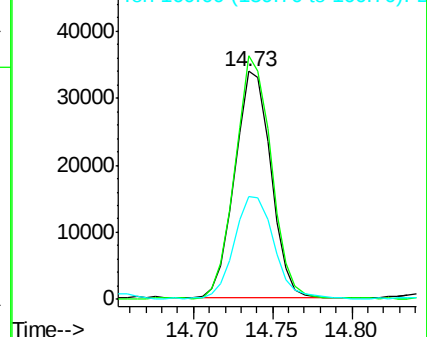
160 44.9 36.4 54.6



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: 135.83 ng

RT: 16.22 min Scan# 2278

Delta R.T. -0.02 min

Lab File: BG020099.D

Acq: 11 Dec 2015 7:22

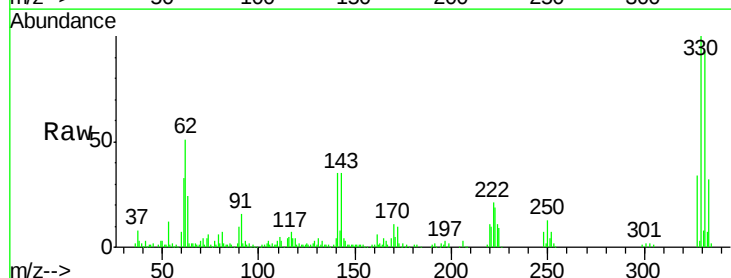
Tgt Ion:330 Resp: 111398

Ion Ratio Lower Upper

330 100

332 96.8 78.1 117.1

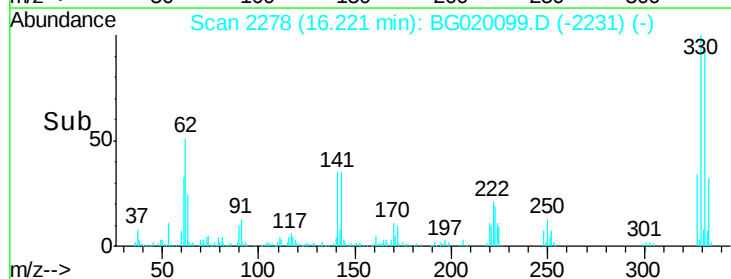
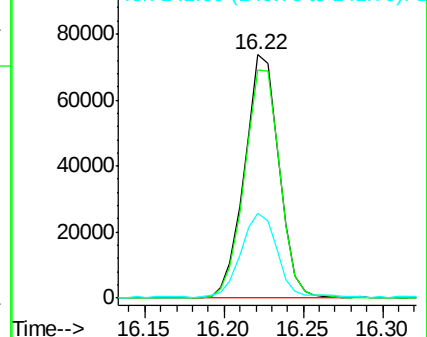
141 36.7 28.2 42.2

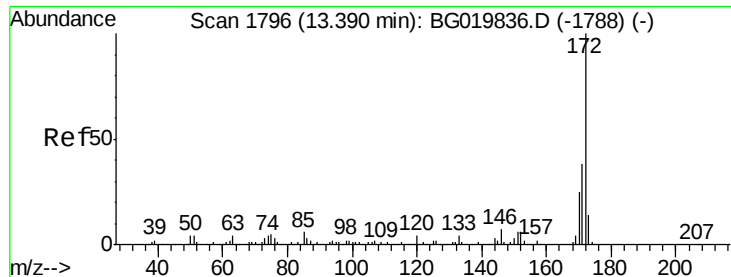


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

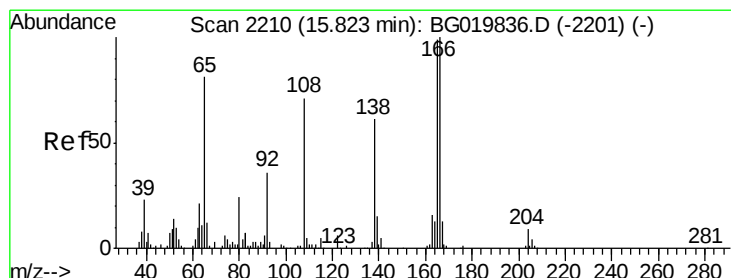
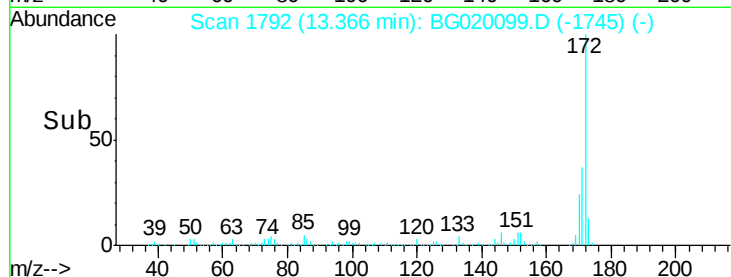
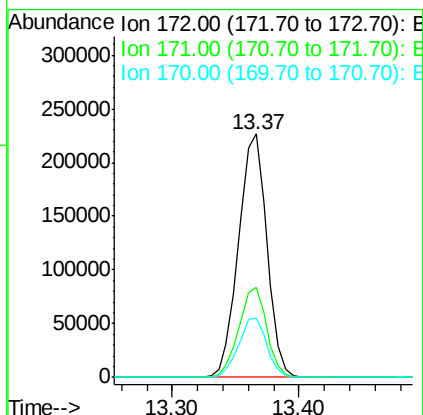
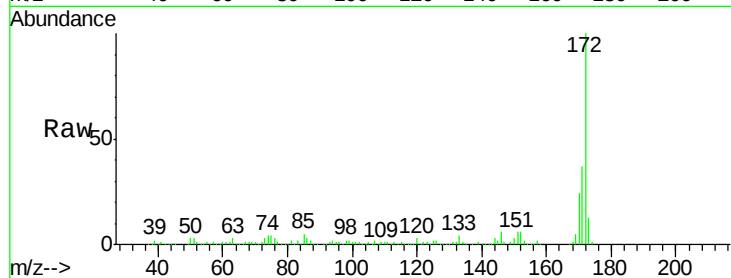




#44
 2-Fluorobiphenyl
 Concen: 89.16 ng
 RT: 13.37 min Scan# 1792
 Delta R.T. -0.02 min
 Lab File: BG020099.D
 Acq: 11 Dec 2015 7:22

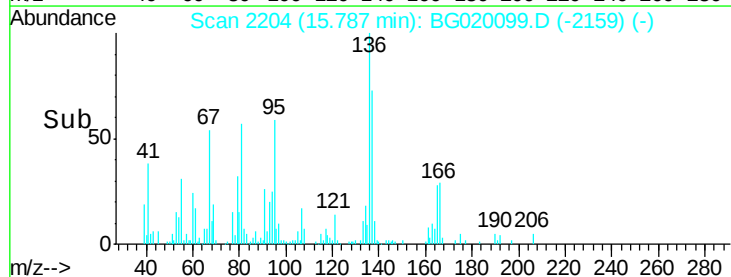
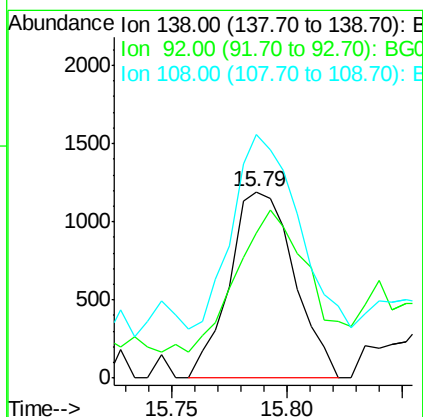
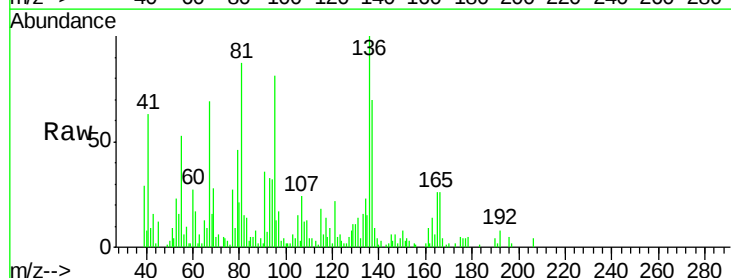
Instrument :
 BNA_G
 ClientSampleId :

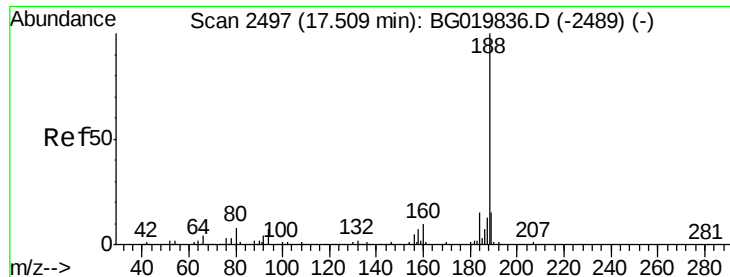
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.0	43.6
170	24.2	19.9	29.9



#61
 4-Nitroaniline
 Concen: 2.20 ng
 RT: 15.79 min Scan# 2204
 Delta R.T. -0.04 min
 Lab File: BG020099.D
 Acq: 11 Dec 2015 7:22

Tgt Ion	Ratio	Lower	Upper
138	100		
92	77.7	29.1	69.1#
108	130.7	49.8	89.8#

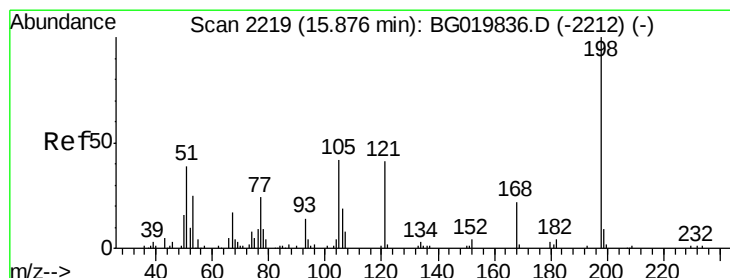
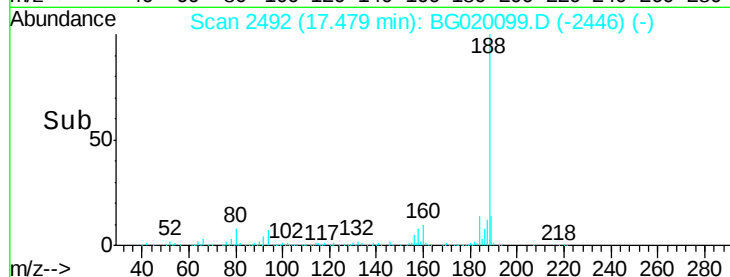
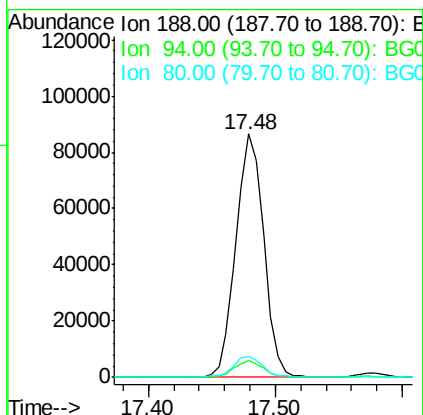
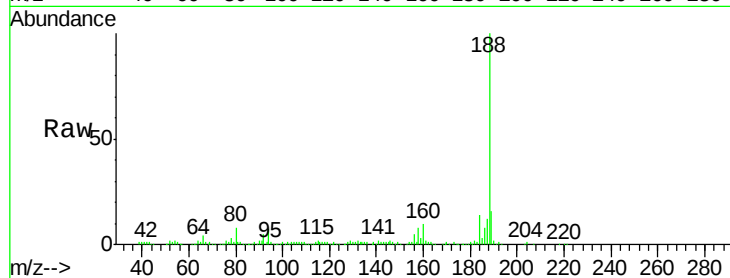




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.48 min Scan# 2492
Delta R.T. -0.03 min
Lab File: BG020099.D
Acq: 11 Dec 2015 7:22

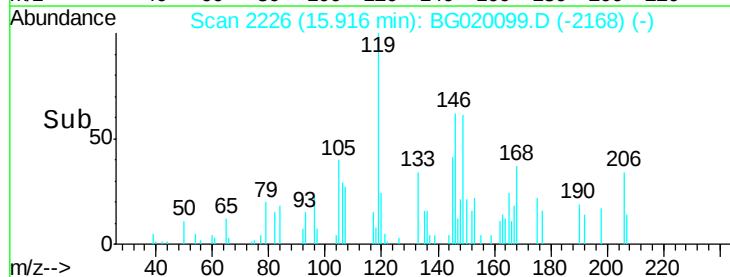
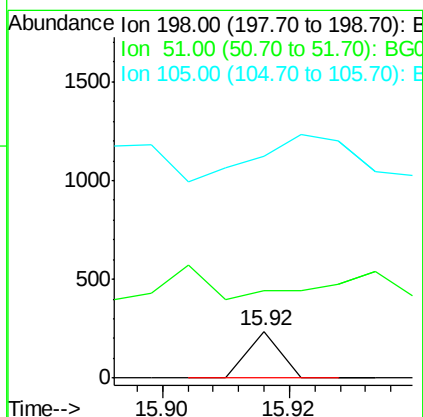
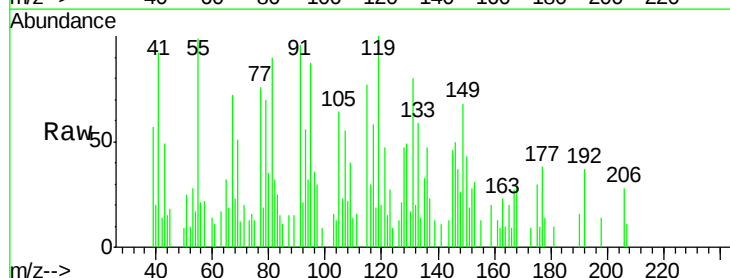
Instrument :
BNA_G
ClientSampled :

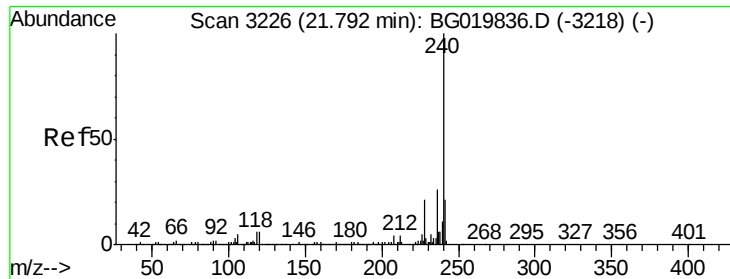
Tot Ion:188 Resp: 131248
Ion Ratio Lower Upper
188 100
94 7.1 7.7 11.5#
80 8.4 7.8 11.8



#64
4,6-Dinitro-2-methylphenol
Concen: 6.21 ng
RT: 15.92 min Scan# 2226
Delta R.T. 0.04 min
Lab File: BG020099.D
Acq: 11 Dec 2015 7:22

Tgt Ion:198 Resp: 84
Ion Ratio Lower Upper
198 100
51 185.7 14.2 54.2#
105 471.0 21.1 61.1#





#75

Chrvsene-d12

Concen: 20.00 ng

RT: 21.75 min Scan# 3219

Delta R.T. -0.04 min

Lab File: BG020099.D

Acq: 11 Dec 2015 7:22

Instrument :

BNA_G

ClientSampled :

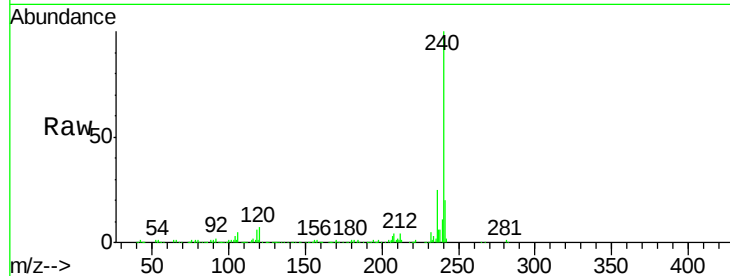
Tot Ion:240 Resp: 167779

Ion Ratio Lower Upper

240 100

120 6.8 7.4 11.0#

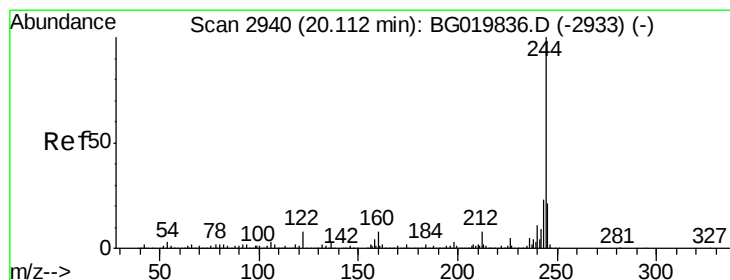
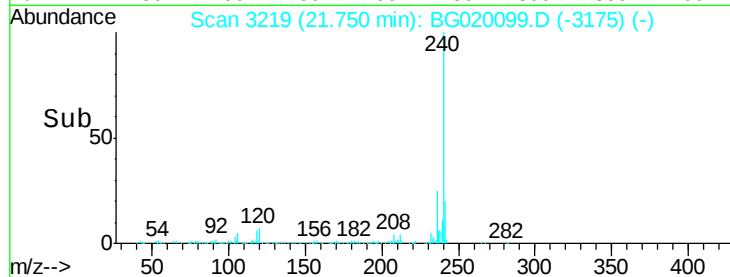
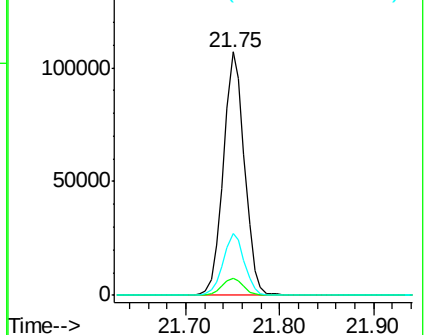
236 25.5 20.7 31.1



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



#78

Terphenyl-d14

Concen: 83.18 ng

RT: 20.08 min Scan# 2935

Delta R.T. -0.03 min

Lab File: BG020099.D

Acq: 11 Dec 2015 7:22

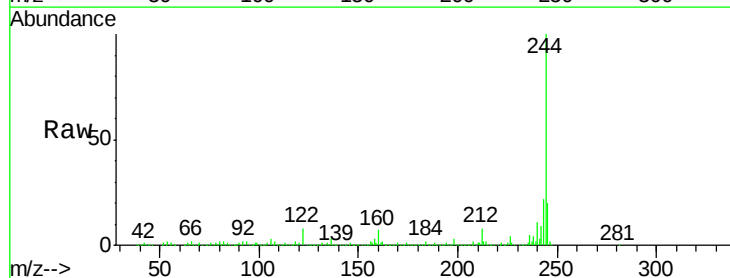
Tgt Ion:244 Resp: 572146

Ion Ratio Lower Upper

244 100

212 8.1 6.9 10.3

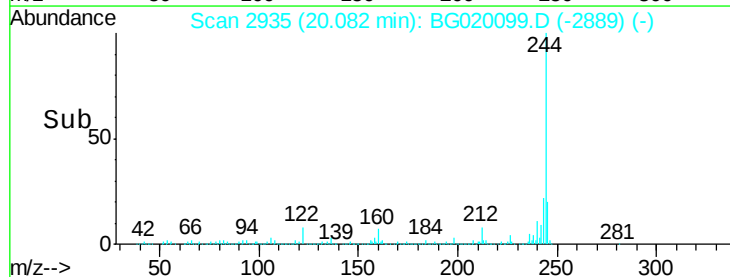
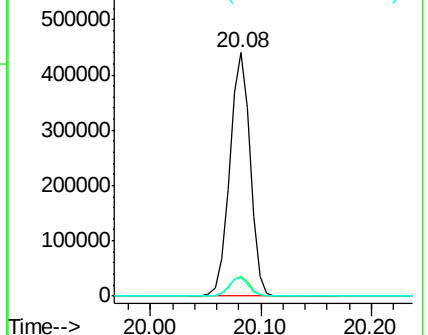
122 7.7 10.2 15.2#

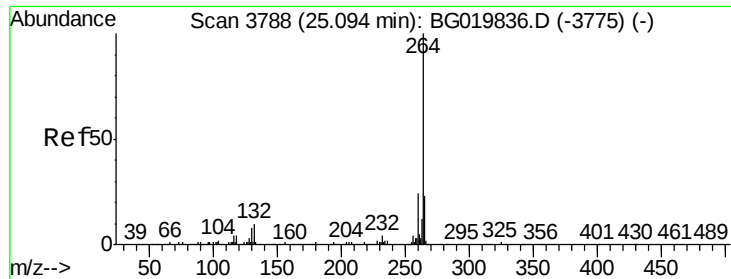


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.02 min Scan# 3776
Delta R.T. -0.07 min
Lab File: BG020099.D
Acq: 11 Dec 2015 7:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	18.5	27.7
265	21.0	17.2	25.8

