

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061017\
 Data File : BG027373.D
 Acq On : 10 Jun 2017 15:47
 Operator : SJ/MA
 Sample : I3563-03RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 12 01:07:17 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:00:35 2017
 Response via : Initial Calibration

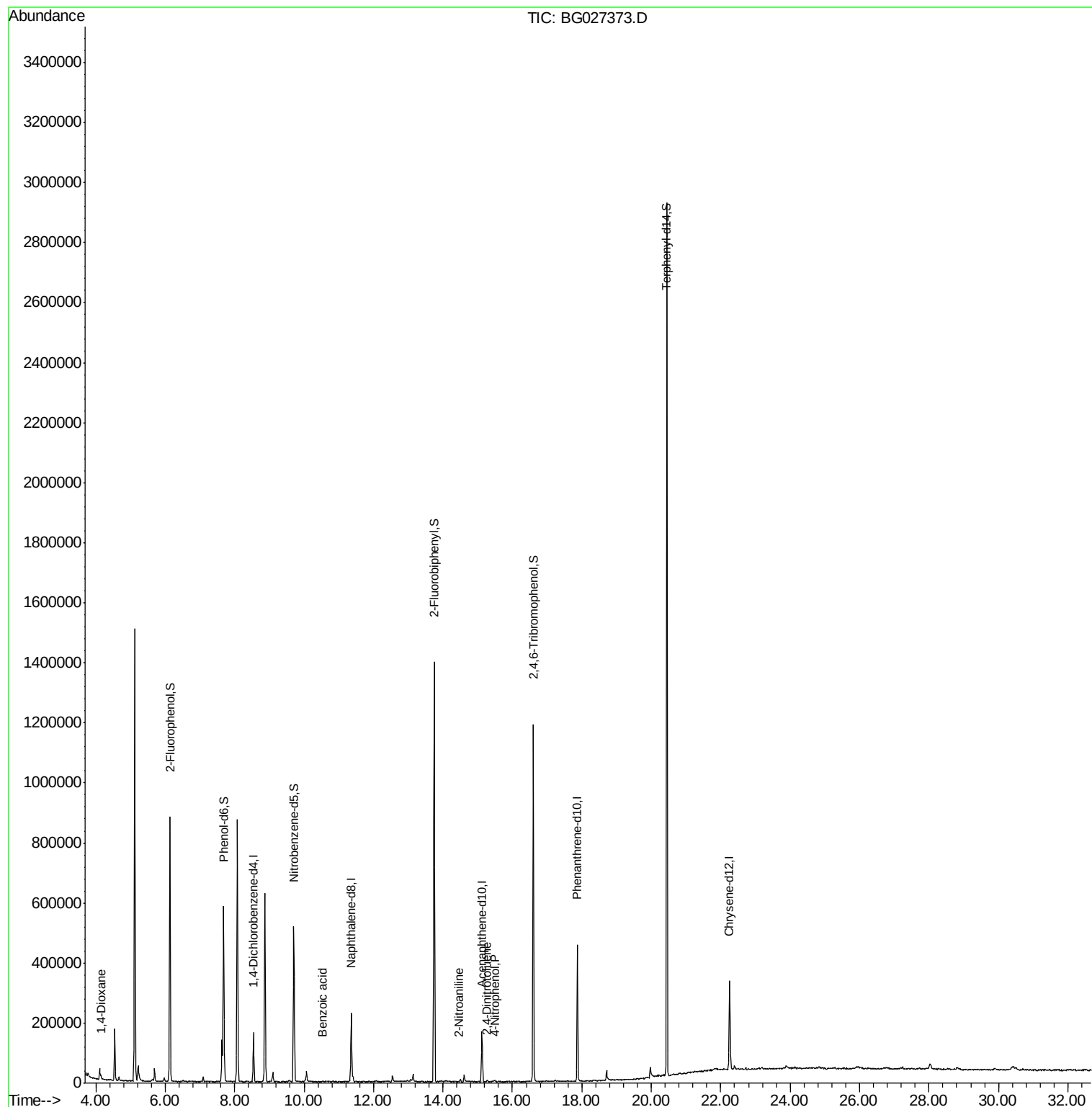
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.55	152	48592	20.00	ng	-0.03
21) Naphthalene-d8	11.36	136	205267	20.00	ng	-0.04
38) Acenaphthene-d10	15.12	164	41604	20.00	ng	-0.04
63) Phenanthrene-d10	17.87	188	239548	20.00	ng	-0.04
75) Chrysene-d12	22.25	240	99714	20.00	ng	-0.06
86) Perylene-d12	0.00	264	0	0.00	ng	-26.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.14	112	391184	122.85	ng	-0.02
7) Phenol-d6	7.68	99	267038	57.13	ng	-0.03
23) Nitrobenzene-d5	9.70	82	341372	104.59	ng	-0.04
41) 2,4,6-Tribromophenol	16.61	330	235215	429.34	ng	-0.04
44) 2-Fluorobiphenyl	13.75	172	738833	248.44	ng	-0.04
78) Terphenyl-d14	20.45	244	1142695	292.34	ng	-0.04
Target Compounds						
2) 1,4-Dioxane	4.17	88	2951	2.23	ng	# 59
32) Benzoic acid	10.54	122	699	8.28	ng	# 78
47) 2-Nitroaniline	14.47	65	54	6.89	ng	# 16
55) 4-Nitrophenol	15.51	139	209	6.43	ng	# 1
56) 2,4-Dinitrotoluene	15.26	165	57	7.04	ng	# 16

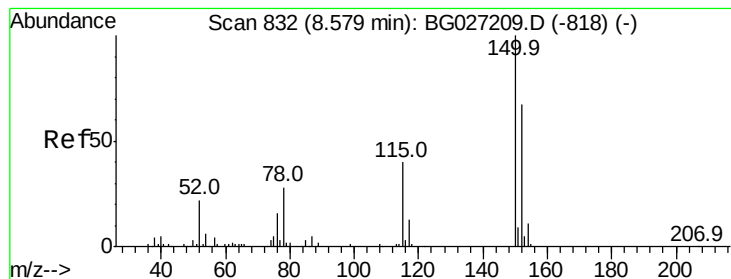
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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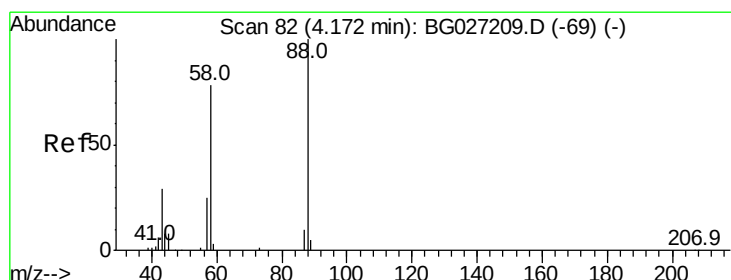
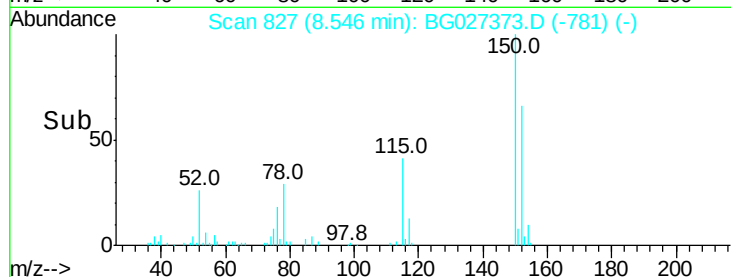
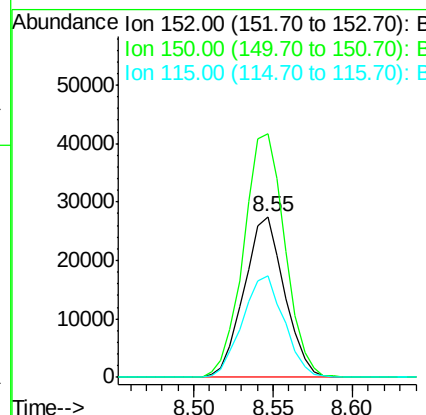
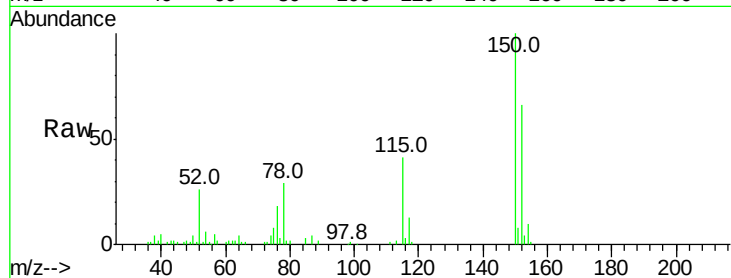


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.55 min Scan# 827
Delta R.T. -0.03 min
Lab File: BG027373.D
Acq: 10 Jun 2017 15:47

Instrument :
BNA_G
ClientSampleId :

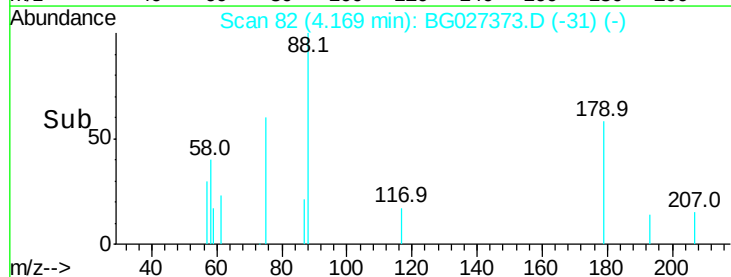
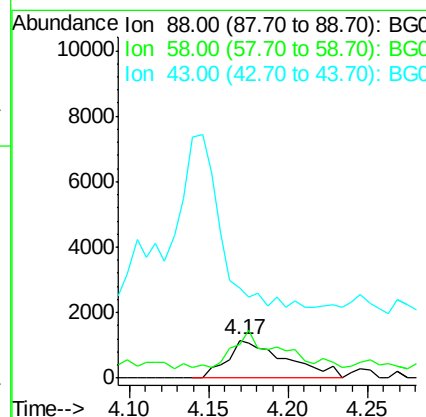
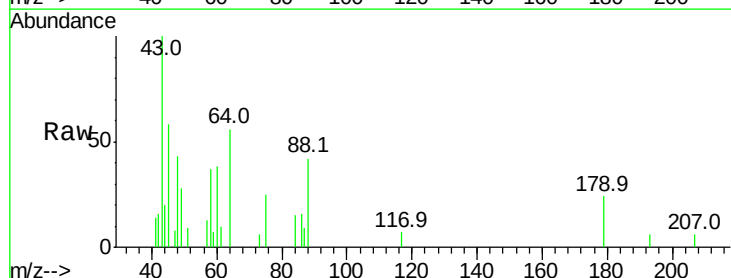
Tot Ion:152 Resp: 48592
Ion Ratio Lower Upper
152 100
150 151.3 114.0 171.0
115 62.8 48.1 72.1

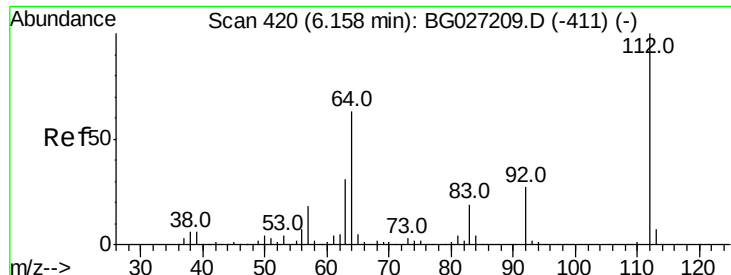


#2

1,4-Dioxane
Concen: 2.23 ng
RT: 4.17 min Scan# 82
Delta R.T. -0.00 min
Lab File: BG027373.D
Acq: 10 Jun 2017 15:47

Tgt Ion: 88 Resp: 2951
Ion Ratio Lower Upper
88 100
58 69.9 79.4 119.2#
43 0.0 33.8 50.6#





#5

2-Fluorophenol

Concen: 122.85 ng

RT: 6.14 min Scan# 417

Delta R.T. -0.02 min

Lab File: BG027373.D

Acq: 10 Jun 2017 15:47

Instrument :

BNA_G

ClientSampleId :

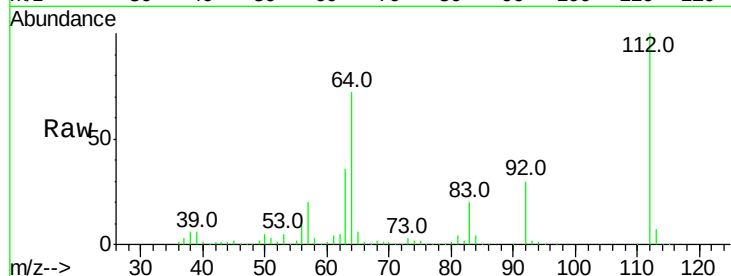
Tot Ion:112 Resp: 391184

Ion Ratio Lower Upper

112 100

64 72.2 61.8 92.6

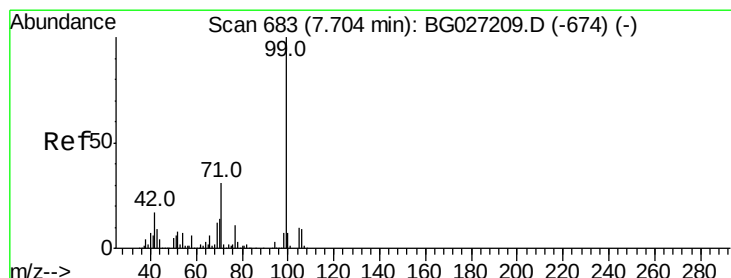
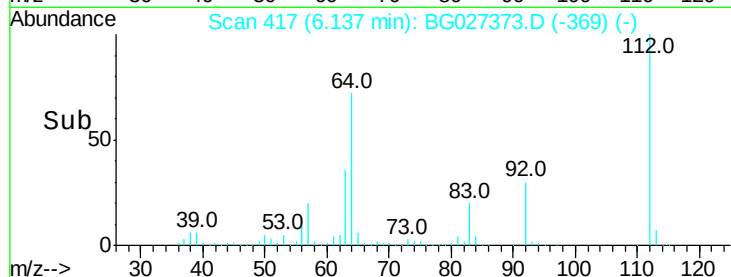
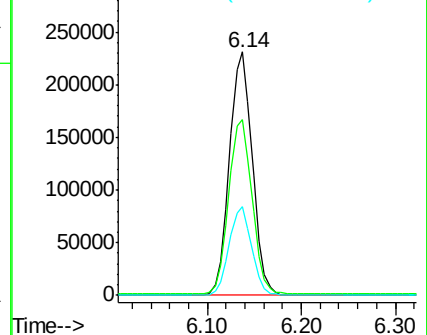
63 36.4 37.2 55.8#



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 57.13 ng

RT: 7.68 min Scan# 679

Delta R.T. -0.03 min

Lab File: BG027373.D

Acq: 10 Jun 2017 15:47

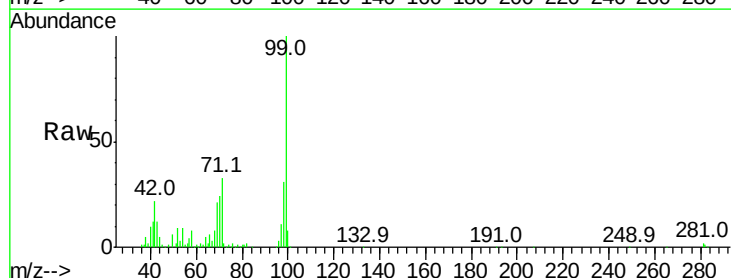
Tgt Ion: 99 Resp: 267038

Ion Ratio Lower Upper

99 100

42 22.2 20.5 30.7

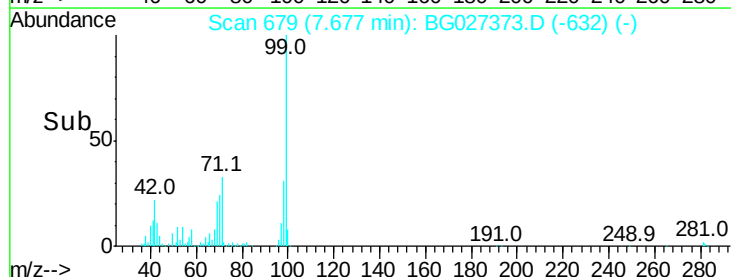
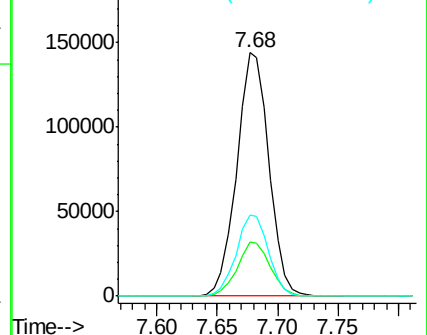
71 33.5 37.6 56.4#

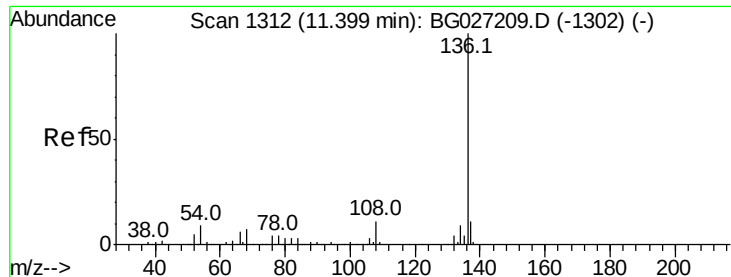


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

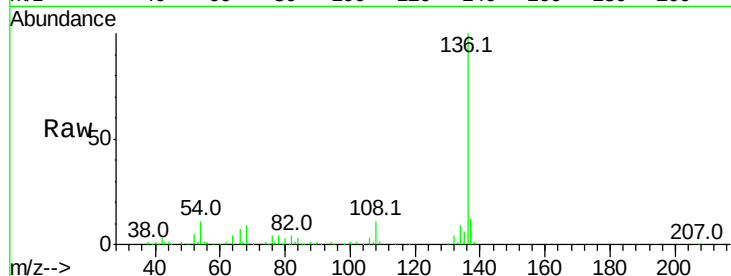




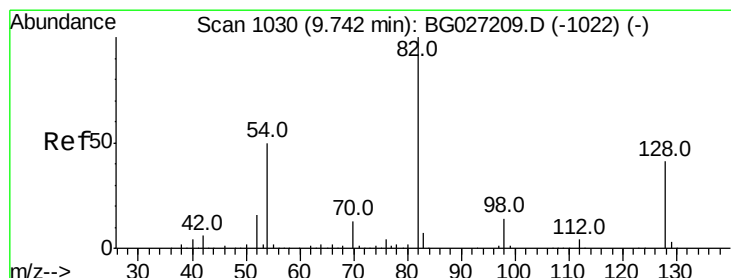
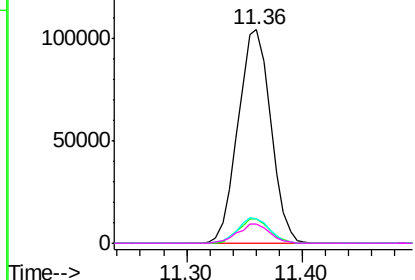
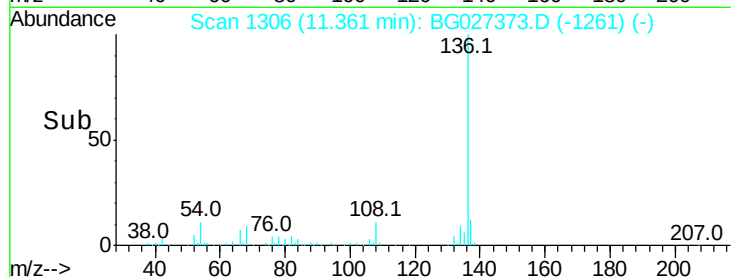
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.36 min Scan# 1306
Delta R.T. -0.04 min
Lab File: BG027373.D
Acq: 10 Jun 2017 15:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	205267
Ion	Ratio	Lower Upper
136	100	
137	11.5	8.9 13.3
54	11.3	9.3 13.9
68	9.0	5.1 7.7#

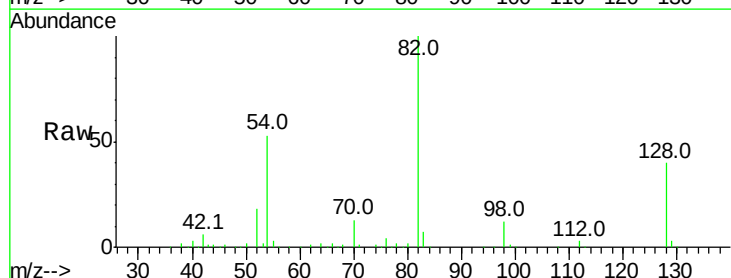


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

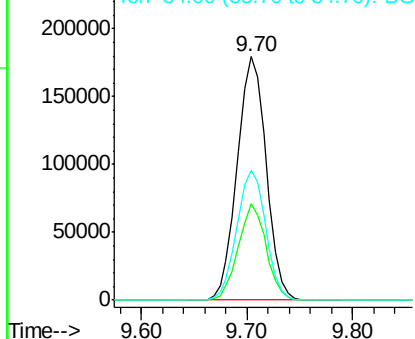
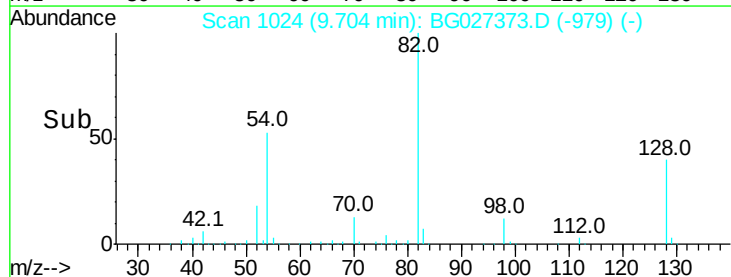


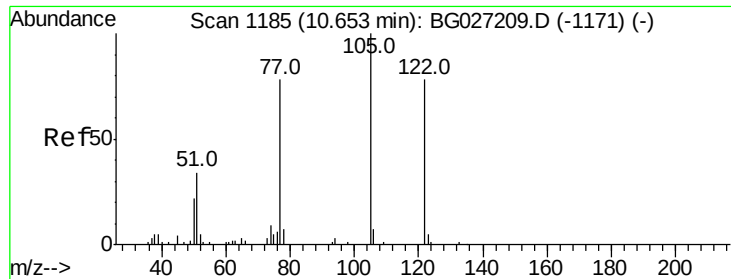
#23
Nitrobenzene-d5
Concen: 104.59 ng
RT: 9.70 min Scan# 1024
Delta R.T. -0.04 min
Lab File: BG027373.D
Acq: 10 Jun 2017 15:47

Tgt Ion: 82	Resp:	341372
Ion	Ratio	Lower Upper
82	100	
128	39.6	26.4 39.6
54	53.1	49.4 74.2



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

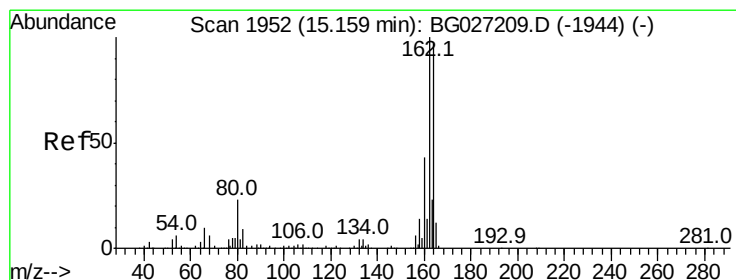
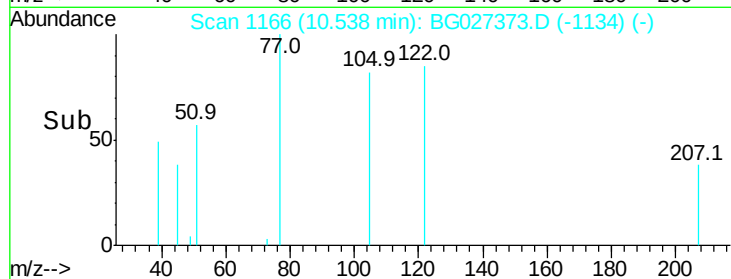
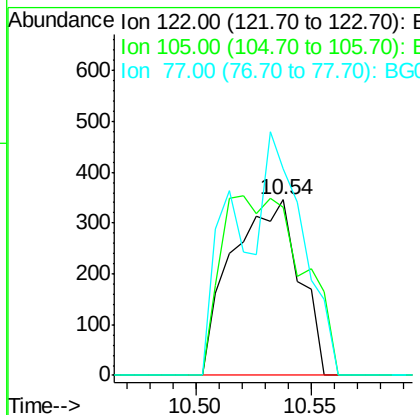
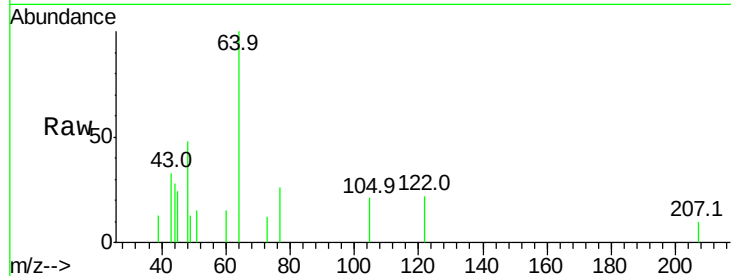




#32
Benzoic acid
Concen: 8.28 ng
RT: 10.54 min Scan# 1166
Delta R.T. -0.11 min
Lab File: BG027373.D
Acq: 10 Jun 2017 15:47

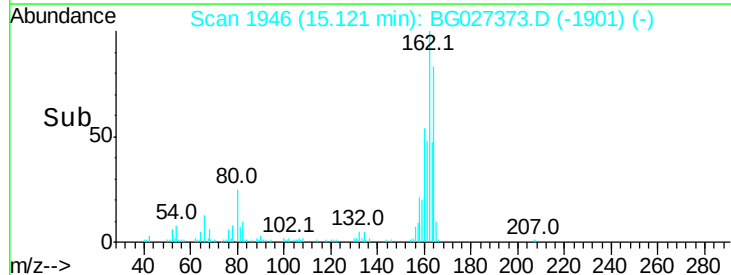
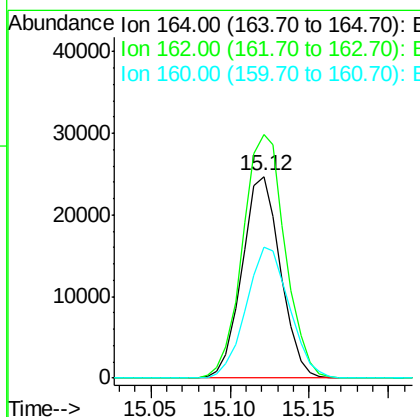
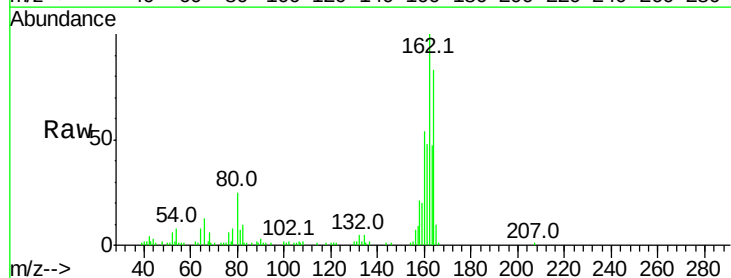
Instrument :
BNA_G
ClientSampleId :

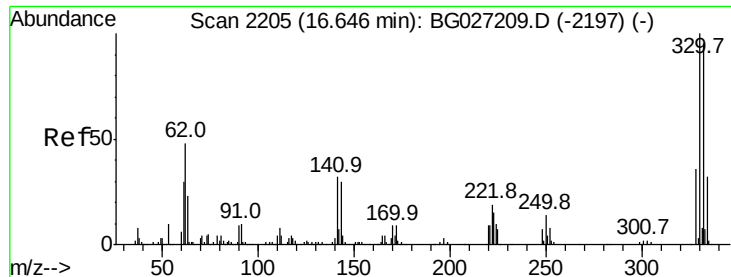
Tot Ion:122 Resp: 699
Ion Ratio Lower Upper
122 100
105 95.7 120.1 160.1#
77 117.3 104.6 144.6



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.12 min Scan# 1946
Delta R.T. -0.04 min
Lab File: BG027373.D
Acq: 10 Jun 2017 15:47

Tgt Ion:164 Resp: 41604
Ion Ratio Lower Upper
164 100
162 120.7 85.1 127.7
160 65.1 34.7 52.1#

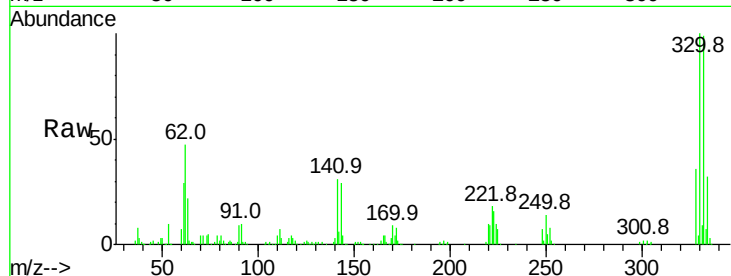




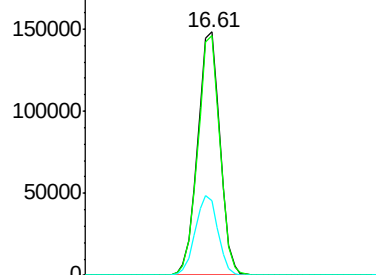
#41
 2,4,6-Tribromophenol
 Concen: 429.34 ng
 RT: 16.61 min Scan# 2199
 Delta R.T. -0.04 min
 Lab File: BG027373.D
 Acq: 10 Jun 2017 15:47

Instrument :
 BNA_G
 ClientSampleId :

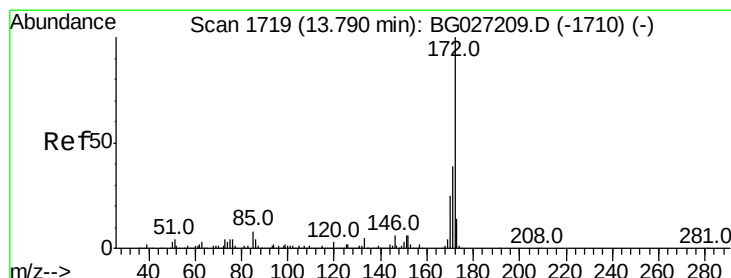
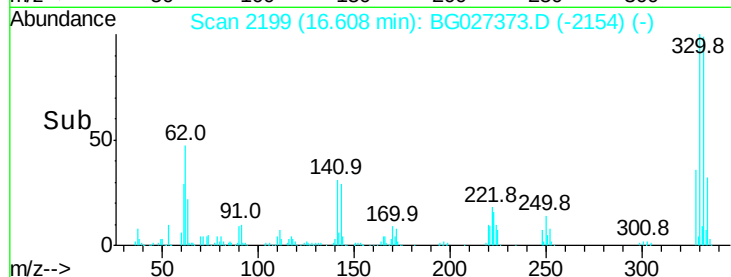
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.3	115.9
141	33.6	32.1	48.1



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

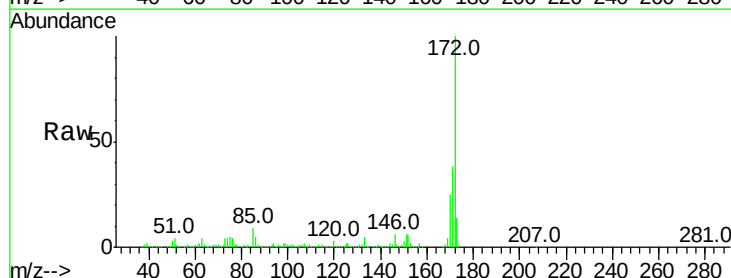


Time--> 16.50 16.60 16.70

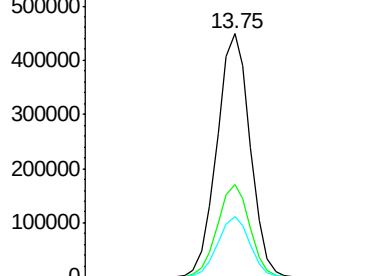


#44
 2-Fluorobiphenyl
 Concen: 248.44 ng
 RT: 13.75 min Scan# 1712
 Delta R.T. -0.04 min
 Lab File: BG027373.D
 Acq: 10 Jun 2017 15:47

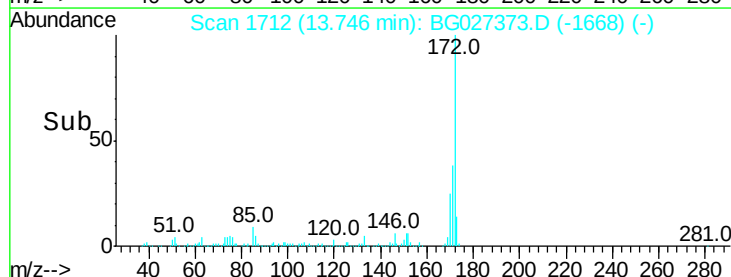
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.8	32.2	48.2
170	25.1	21.8	32.6

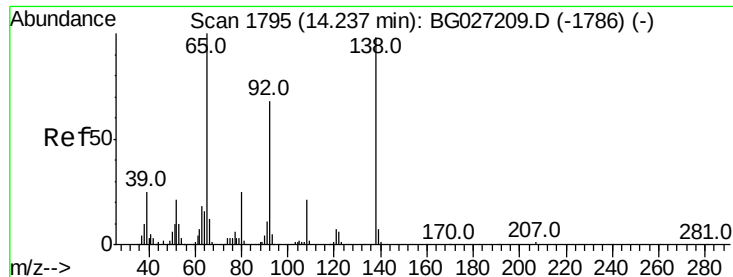


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



Time--> 13.65 13.70 13.75 13.80





#47

2-Nitroaniline

Concen: 6.89 ng

RT: 14.47 min Scan# 1835

Delta R.T. 0.23 min

Lab File: BG027373.D

Acq: 10 Jun 2017 15:47

Instrument :

BNA_G

ClientSampleId :

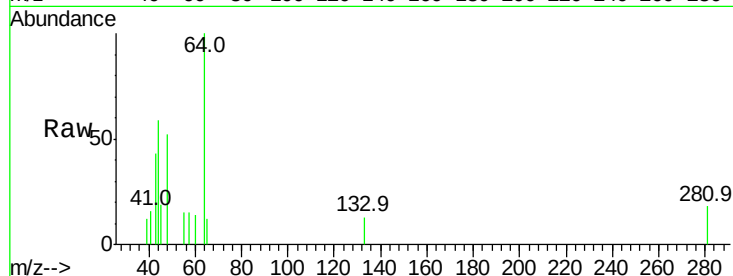
Tot Ion: 65 Resp: 54

Ion Ratio Lower Upper

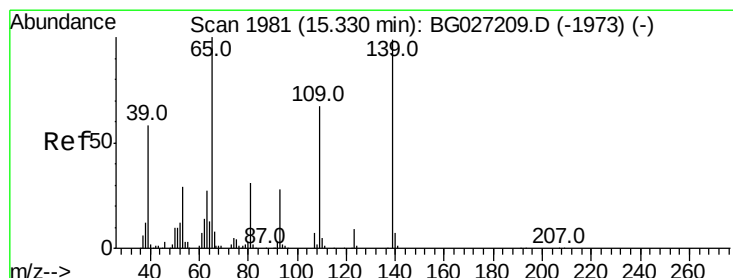
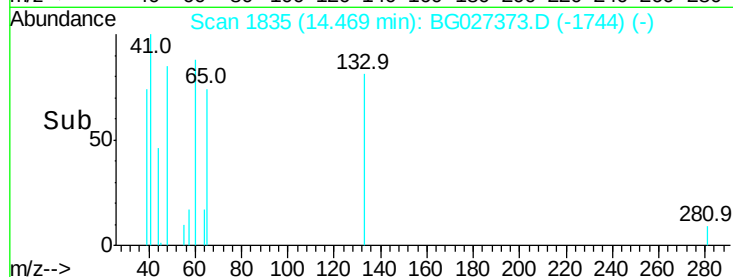
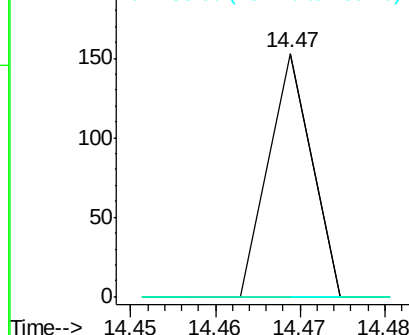
65 100

92 0.0 49.0 73.4#

138 0.0 58.6 87.8#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#55

4-Nitrophenol

Concen: 6.43 ng

RT: 15.51 min Scan# 2013

Delta R.T. 0.19 min

Lab File: BG027373.D

Acq: 10 Jun 2017 15:47

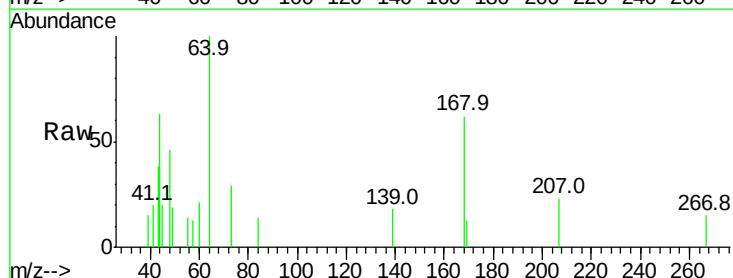
Tgt Ion: 139 Resp: 209

Ion Ratio Lower Upper

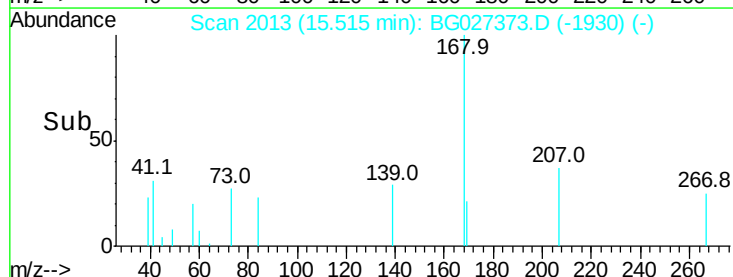
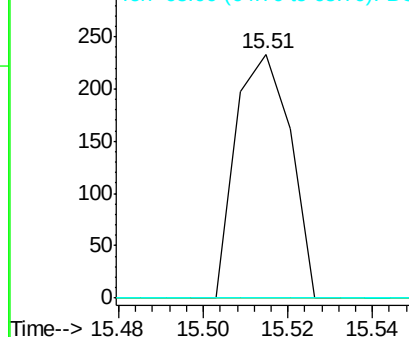
139 100

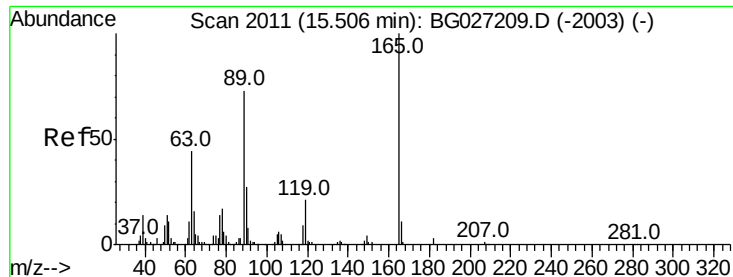
109 0.0 101.2 141.2#

65 0.0 135.3 175.3#



Abundance Ion 139.00 (138.70 to 139.70): BGC
Ion 109.00 (108.70 to 109.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

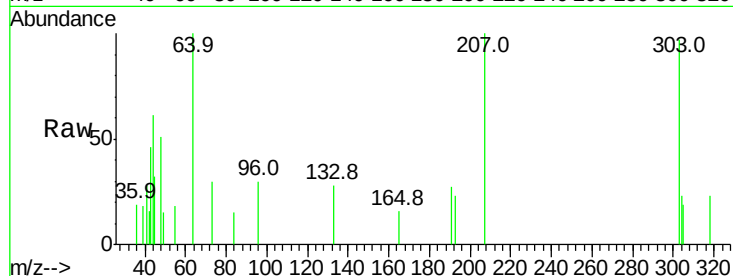




#56
 2,4-Dinitrotoluene
 Concen: 7.04 ng
 RT: 15.26 min Scan# 1970
 Delta R.T. -0.24 min
 Lab File: BG027373.D
 Acq: 10 Jun 2017 15:47

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:	165	Resp:	57
Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.0	66.0#
89	0.0	67.3	100.9#
182	0.0	3.8	5.6#

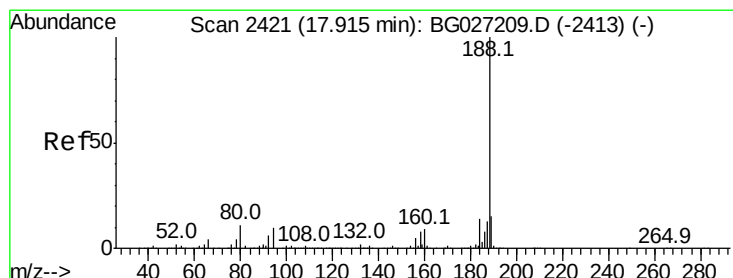
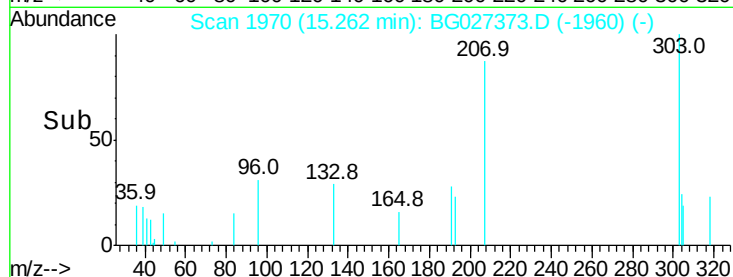
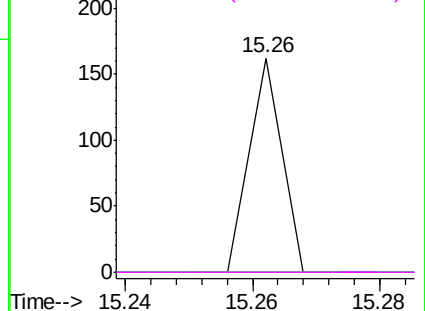


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

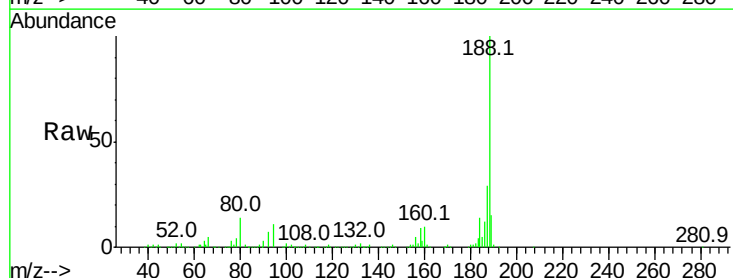
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.87 min Scan# 2414
 Delta R.T. -0.04 min
 Lab File: BG027373.D
 Acq: 10 Jun 2017 15:47

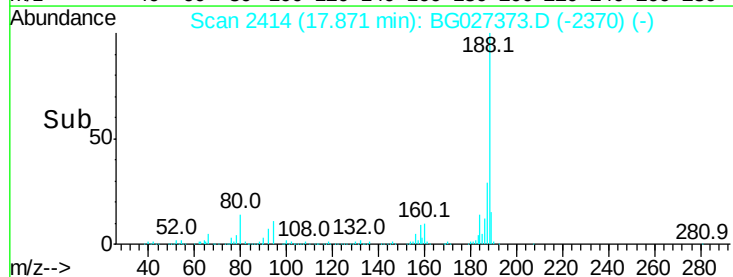
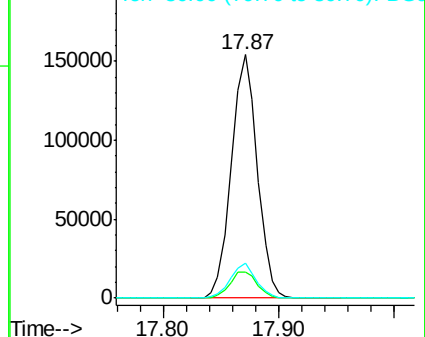
Tgt Ion:	188	Resp:	239548
Ion	Ratio	Lower	Upper
188	100		
94	10.6	5.8	8.8#
80	14.5	7.5	11.3#

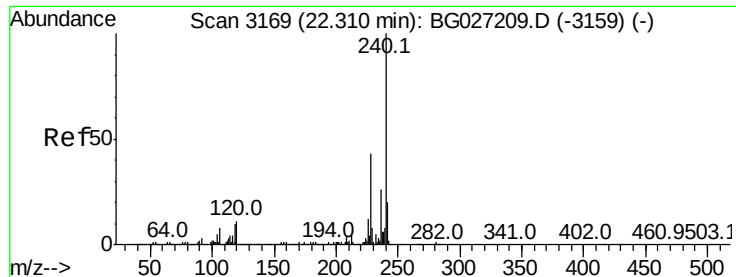


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.25 min Scan# 3160

Delta R.T. -0.06 min

Lab File: BG027373.D

Acq: 10 Jun 2017 15:47

Instrument :

BNA_G

ClientSampleId :

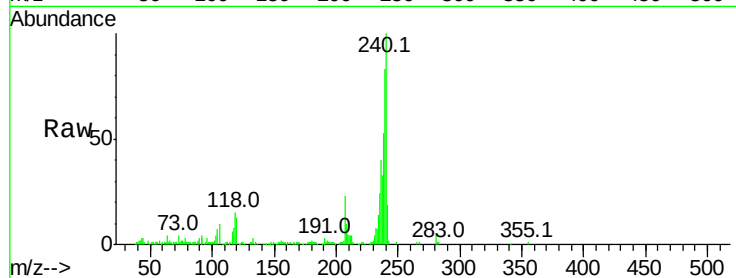
Tot Ion:240 Resp: 99714

Ion Ratio Lower Upper

240 100

120 12.5 5.7 8.5#

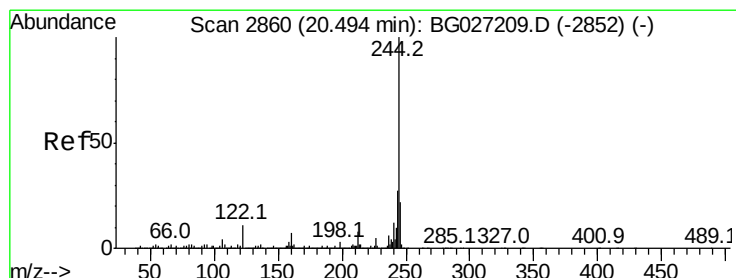
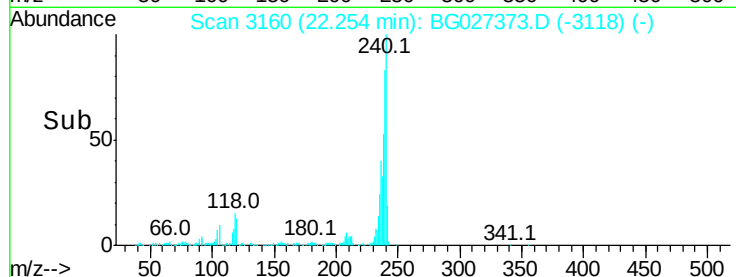
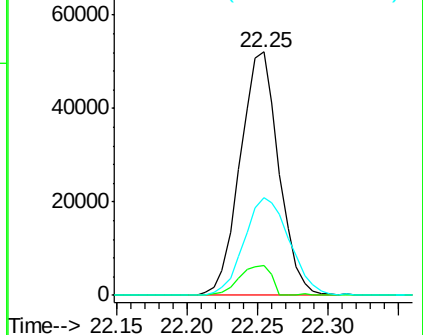
236 39.9 22.2 33.4#



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: 292.34 ng

RT: 20.45 min Scan# 2853

Delta R.T. -0.04 min

Lab File: BG027373.D

Acq: 10 Jun 2017 15:47

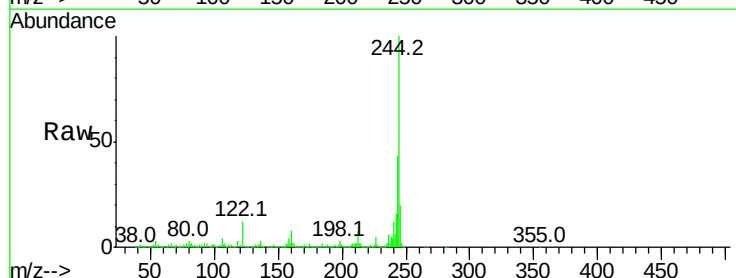
Tgt Ion:244 Resp: 1142695

Ion Ratio Lower Upper

244 100

212 8.3 10.0 15.0#

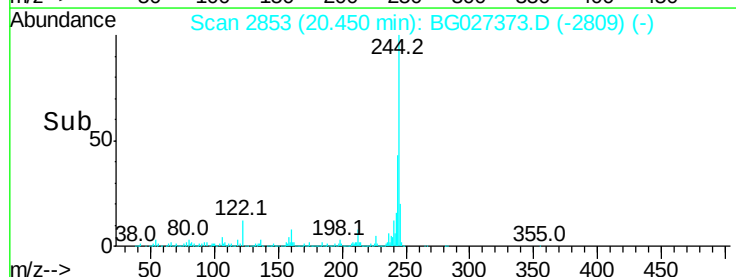
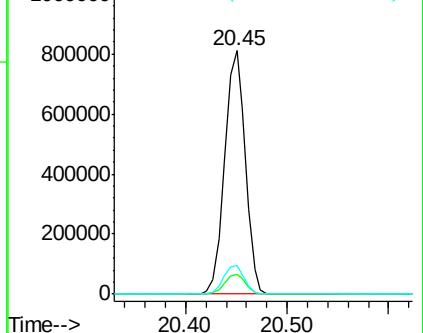
122 11.9 8.6 12.8

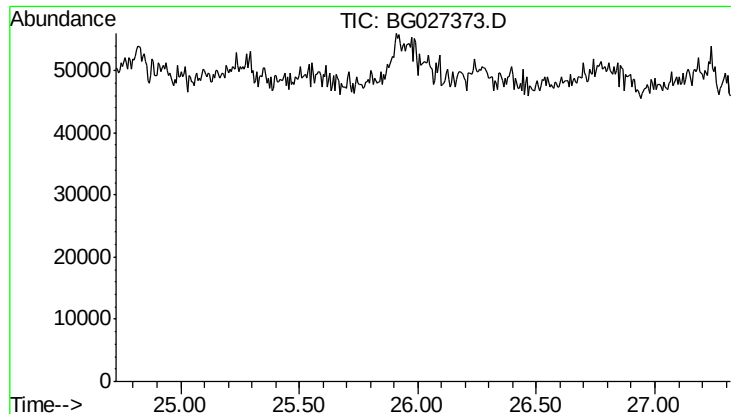


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 0.00 ng
Expected RT: 26.02 min
Lab File: BG027373.D
Acq: 10 Jun 2017 15:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion	264
Sig	Exp Ratio
264	100
260	27.3
265	22.8

