

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091517\
 Data File : BG028770.D
 Acq On : 15 Sep 2017 16:42
 Operator : SJ/JU
 Sample : I5167-24
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 16 04:52:15 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 16:57:11 2017
 Response via : Initial Calibration

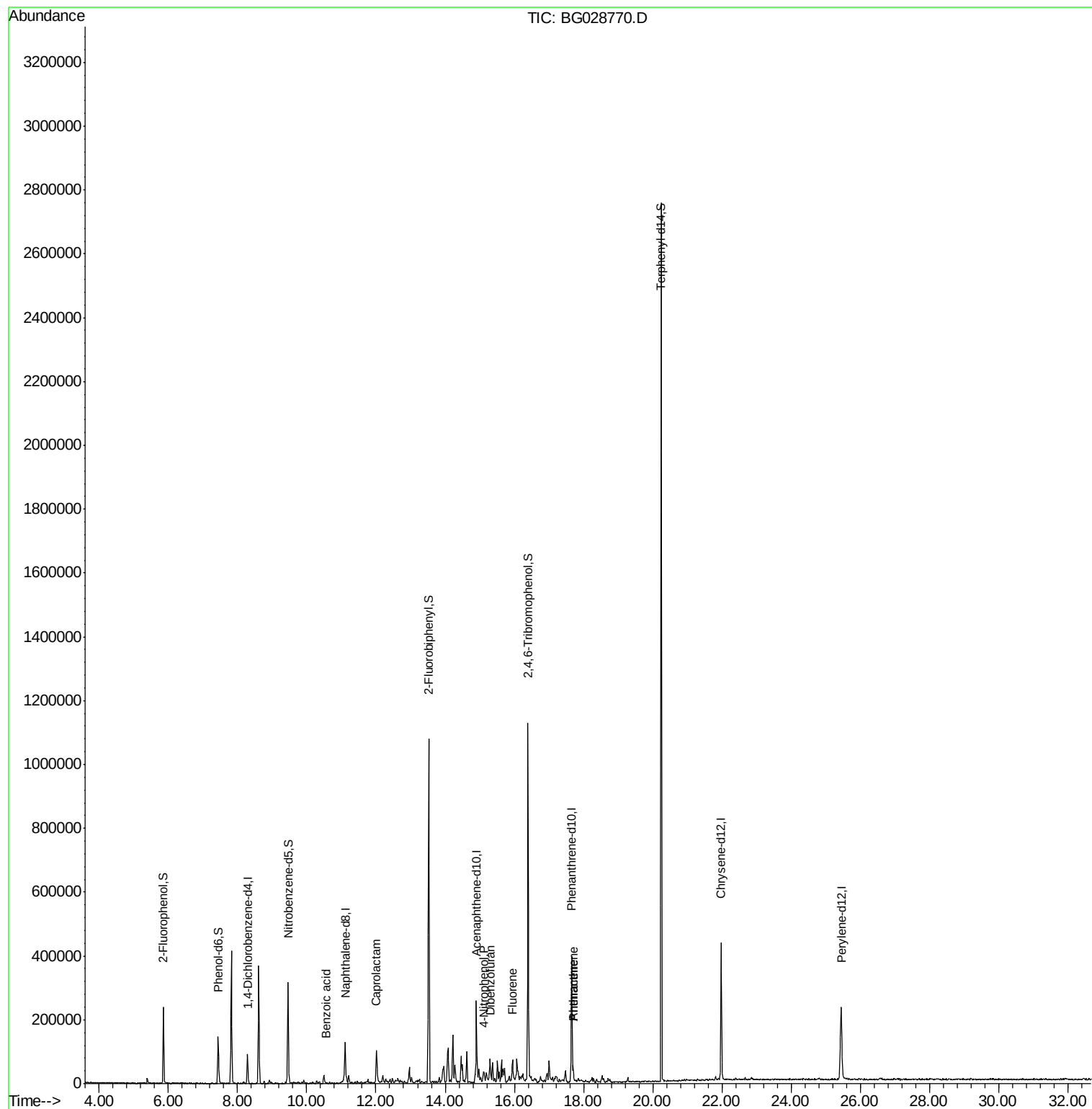
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.29	152	26960	20.00	ng	-0.04
21) Naphthalene-d8	11.11	136	106731	20.00	ng	-0.04
38) Acenaphthene-d10	14.90	164	89925	20.00	ng	-0.04
63) Phenanthrene-d10	17.65	188	256235	20.00	ng	-0.04
75) Chrysene-d12	21.98	240	292191	20.00	ng	-0.05
86) Perylene-d12	25.44	264	298427	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.86	112	103491	63.34	ng	-0.05
7) Phenol-d6	7.44	99	89560	36.41	ng	-0.05
23) Nitrobenzene-d5	9.46	82	205348	92.04	ng	-0.05
41) 2,4,6-Tribromophenol	16.40	330	238664	160.47	ng	-0.04
44) 2-Fluorobiphenyl	13.52	172	593995	88.08	ng	-0.04
78) Terphenyl-d14	20.25	244	1243905	90.79	ng	-0.04
Target Compounds						
32) Benzoic acid	10.57	122	63	6.126	ng	# 1
35) Caprolactam	12.02	113	20311	29.618	ng	# 72
54) Dibenzofuran	15.30	168	18303	2.178	ng	# 87
55) 4-Nitrophenol	15.10	139	2582	2.375	ng	# 1
57) Fluorene	15.95	166	26942	3.591	ng	92
70) Phenanthrene	17.70	178	34697	2.648	ng	# 93
71) Anthracene	17.70	178	34697	2.621	ng	93

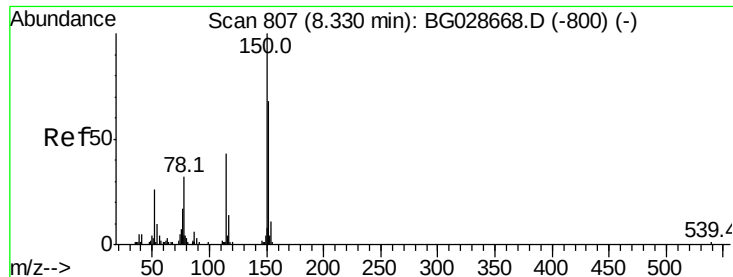
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.29 min Scan# 800

Delta R.T. -0.04 min

Lab File: BG028770.D

Acq: 15 Sep 2017 16:42

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BNA_G

ClientSampleId :

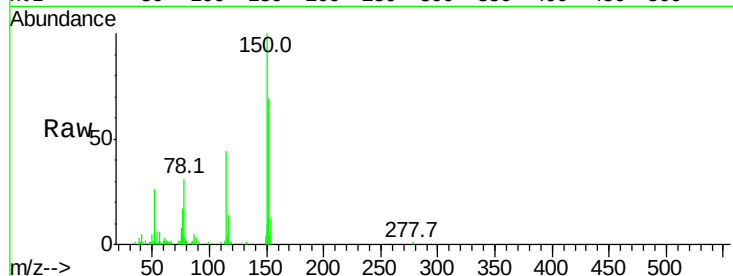
Tot Ion:152 Resp: 26960

Ion Ratio Lower Upper

152 100

150 145.7 114.0 171.0

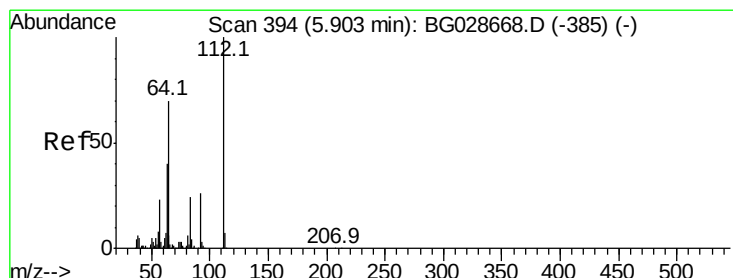
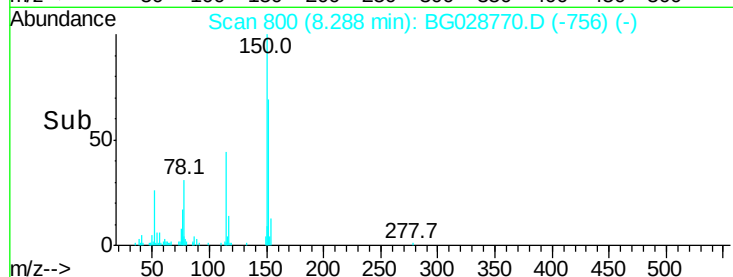
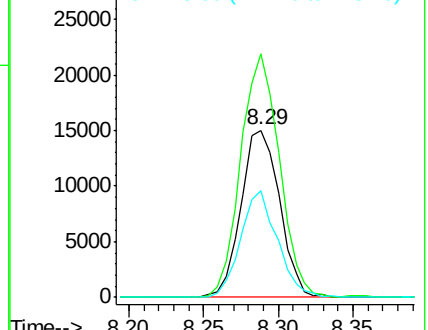
115 64.0 48.1 72.1



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: 63.340 ng

RT: 5.86 min Scan# 386

Delta R.T. -0.05 min

Lab File: BG028770.D

Acq: 15 Sep 2017 16:42

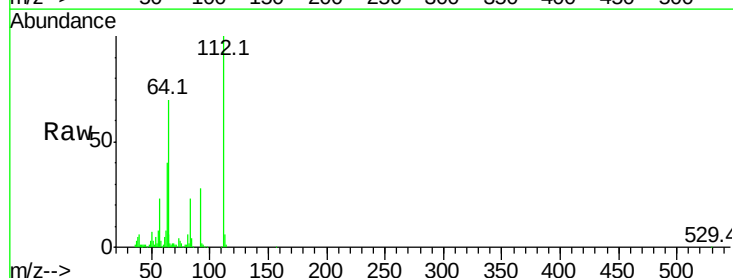
Tgt Ion:112 Resp: 103491

Ion Ratio Lower Upper

112 100

64 69.7 61.8 92.6

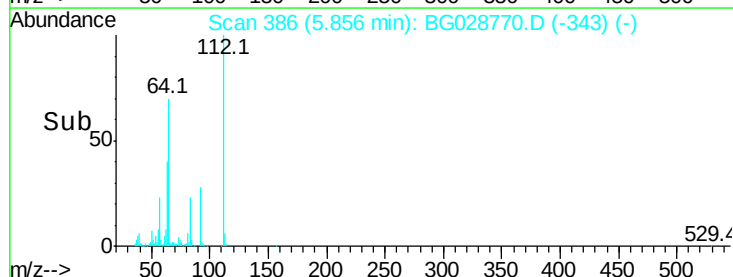
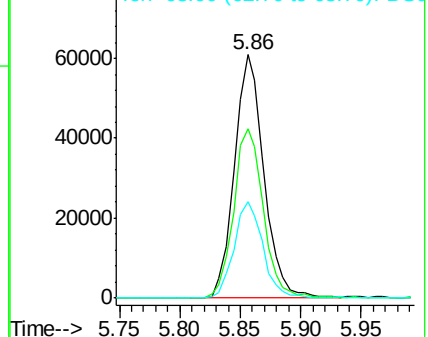
63 39.8 37.2 55.8

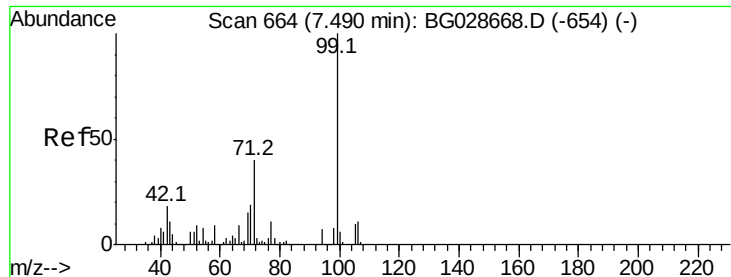


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 36.406 ng

RT: 7.44 min Scan# 656

Delta R.T. -0.05 min

Lab File: BG028770.D

Acq: 15 Sep 2017 16:42

Instrument :

BNA_G

ClientSampleId :

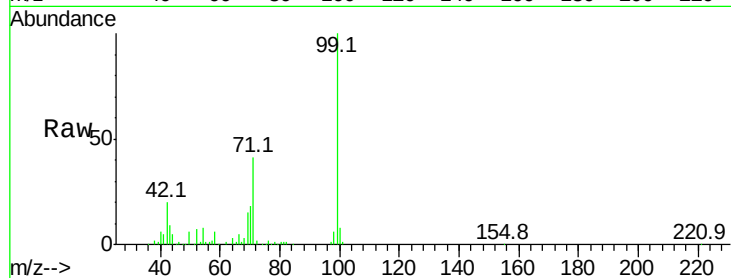
Tot Ion: 99 Resp: 89560

Ion Ratio Lower Upper

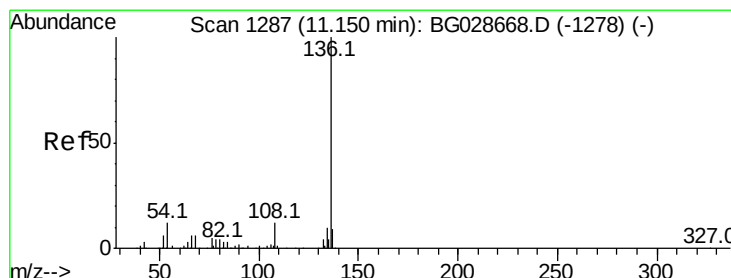
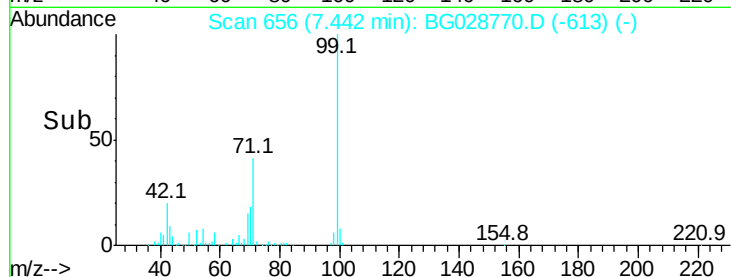
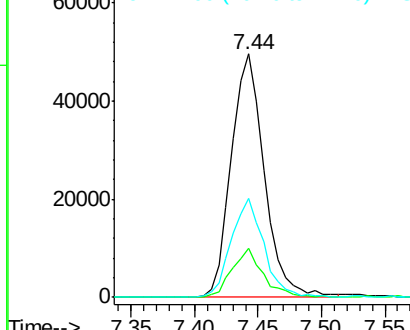
99 100

42 20.3 20.5 30.7#

71 40.5 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: 20.000 ng

RT: 11.11 min Scan# 1280

Delta R.T. -0.04 min

Lab File: BG028770.D

Acq: 15 Sep 2017 16:42

Tgt Ion: 136 Resp: 106731

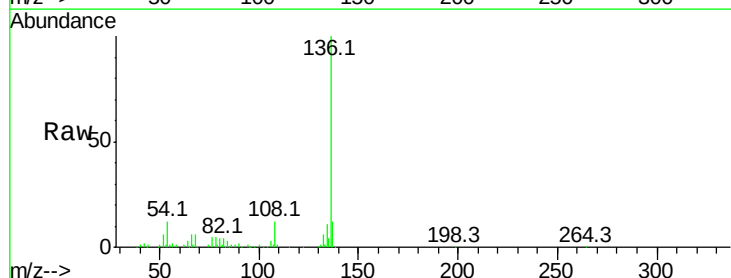
Ion Ratio Lower Upper

136 100

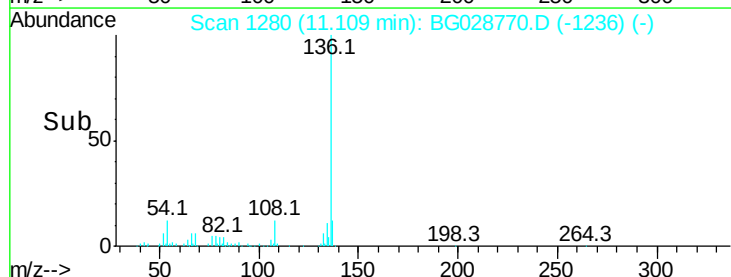
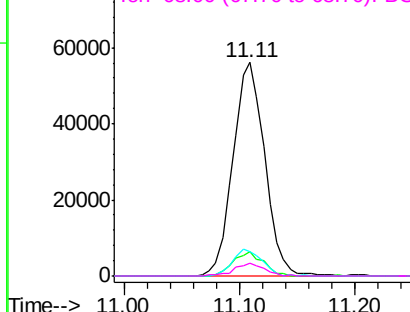
137 11.7 8.9 13.3

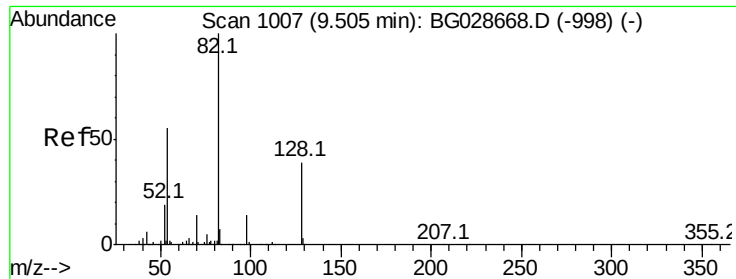
54 11.6 9.3 13.9

68 5.9 5.1 7.7



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

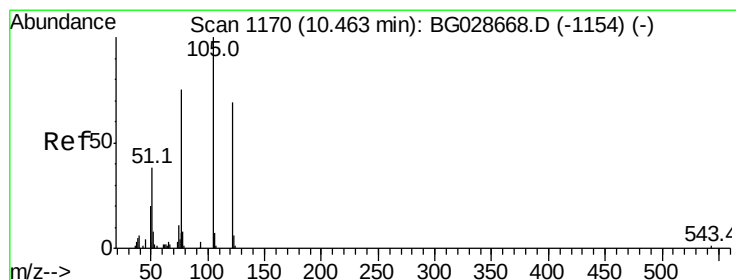
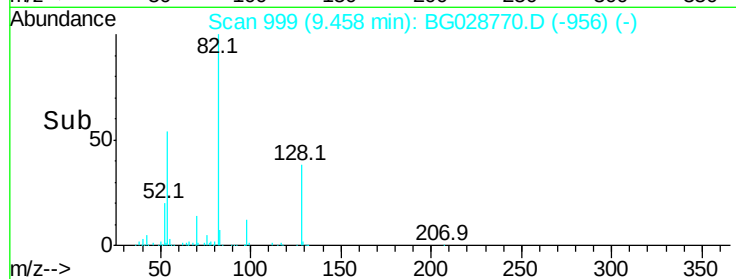
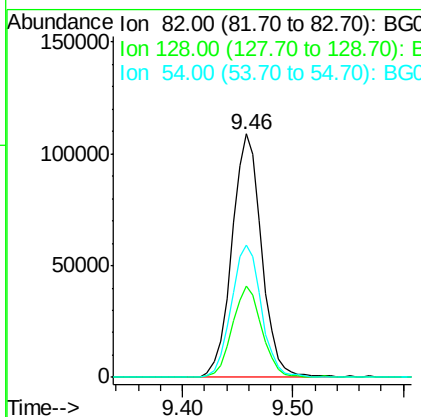
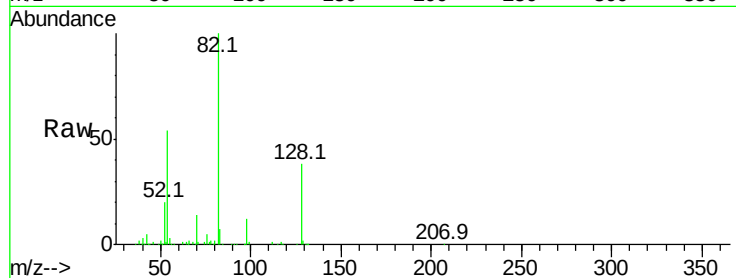




#23
 Nitrobenzene-d5
 Concen: 92.038 ng
 RT: 9.46 min Scan# 999
 Delta R.T. -0.05 min
 Lab File: BG028770.D
 Acq: 15 Sep 2017 16:42

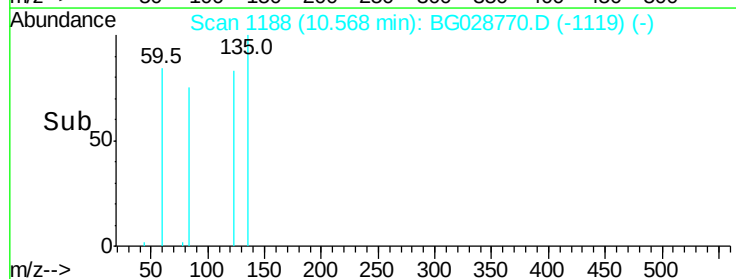
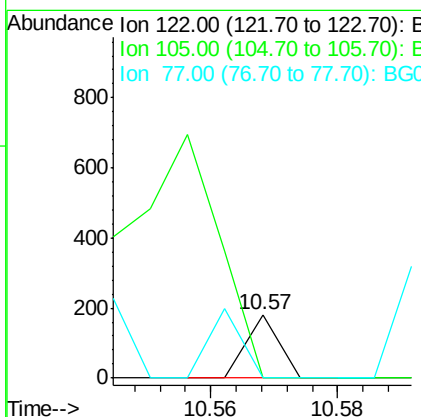
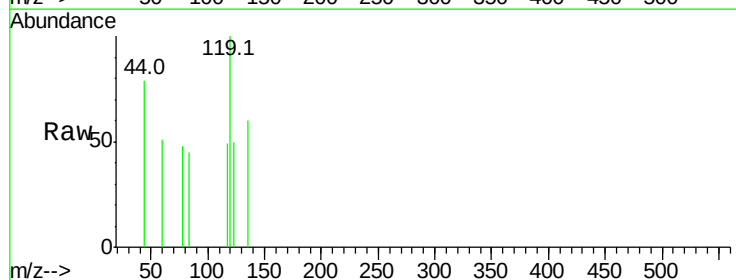
Instrument :
 BNA_G
 ClientSampleId :

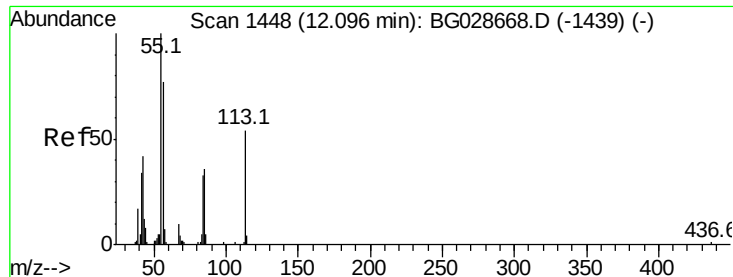
Tot Ion	82	Resp	205348
Ion	Ratio	Lower	Upper
82	100		
128	37.6	26.4	39.6
54	54.1	49.4	74.2



#32
 Benzoic acid
 Concen: 6.126 ng
 RT: 10.57 min Scan# 1188
 Delta R.T. 0.11 min
 Lab File: BG028770.D
 Acq: 15 Sep 2017 16:42

Tgt Ion	122	Resp	63
Ion	Ratio	Lower	Upper
122	100		
105	0.0	120.1	160.1#
77	0.0	104.6	144.6#

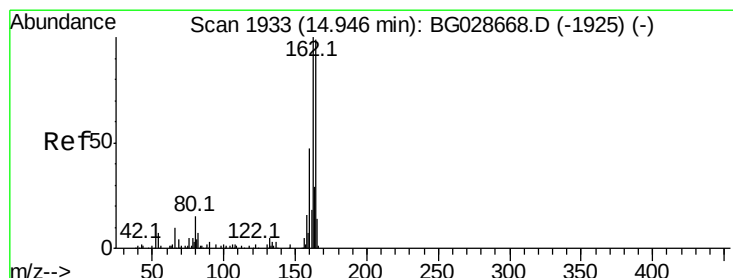
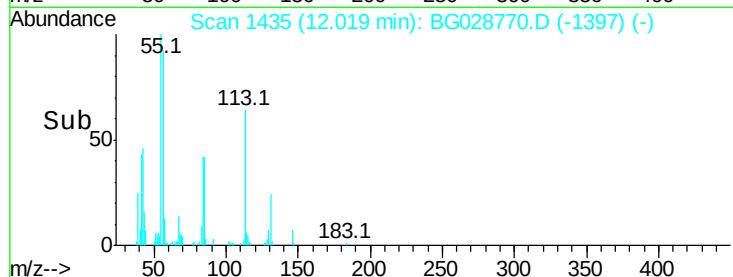
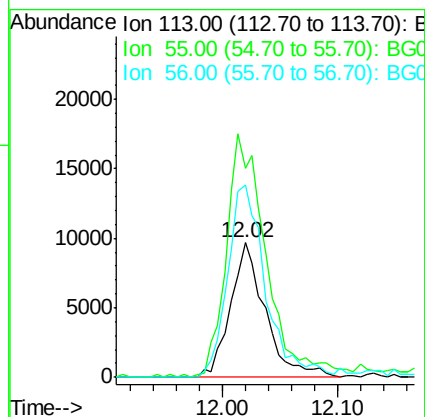
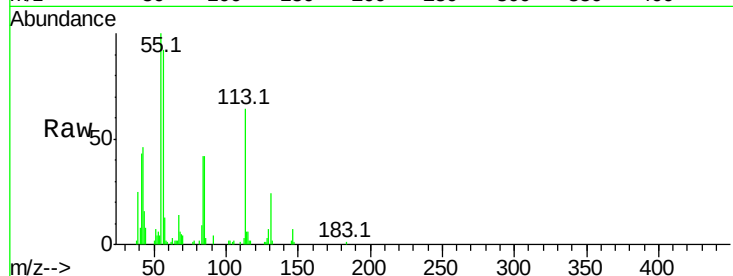




#35
 Caprolactam
 Concen: 29.618 ng
 RT: 12.02 min Scan# 1435
 Delta R.T. -0.08 min
 Lab File: BG028770.D
 Acq: 15 Sep 2017 16:42

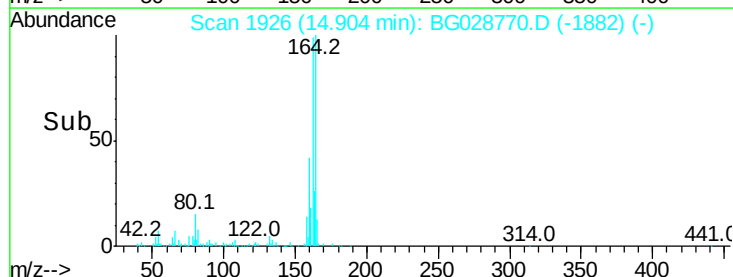
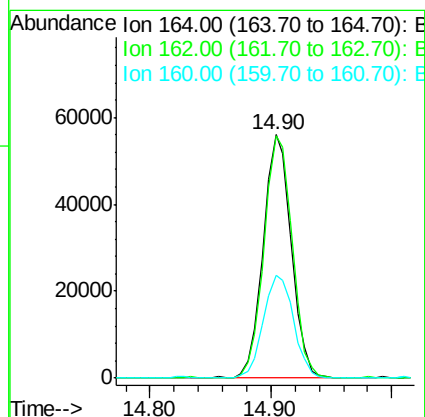
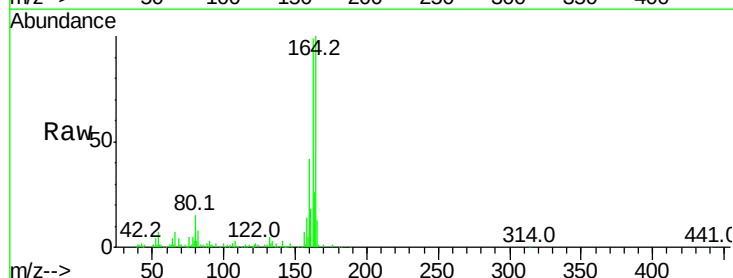
Instrument :
 BNA_G
 ClientSampleId :

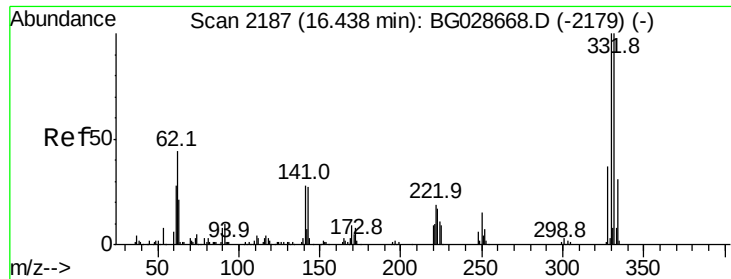
Tot Ion:113 Resp: 20311
 Ion Ratio Lower Upper
 113 100
 55 155.6 198.6 238.6#
 56 143.5 140.4 180.4



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.90 min Scan# 1926
 Delta R.T. -0.04 min
 Lab File: BG028770.D
 Acq: 15 Sep 2017 16:42

Tgt Ion:164 Resp: 89925
 Ion Ratio Lower Upper
 164 100
 162 99.3 85.1 127.7
 160 42.4 34.7 52.1

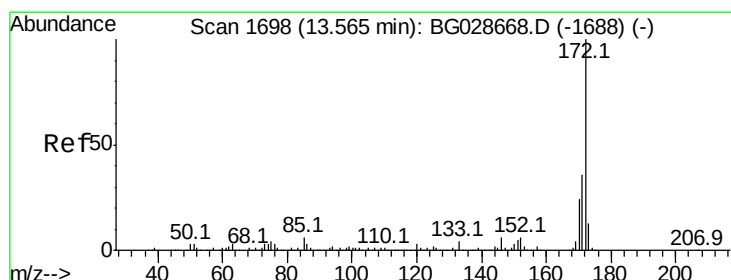
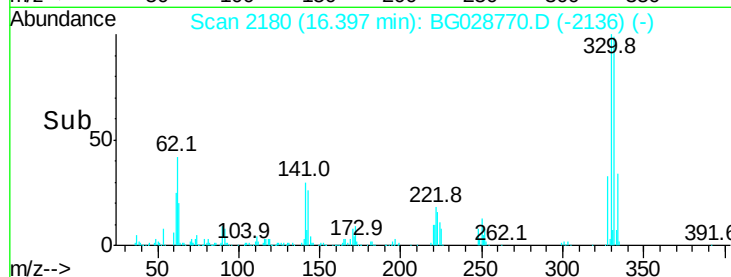
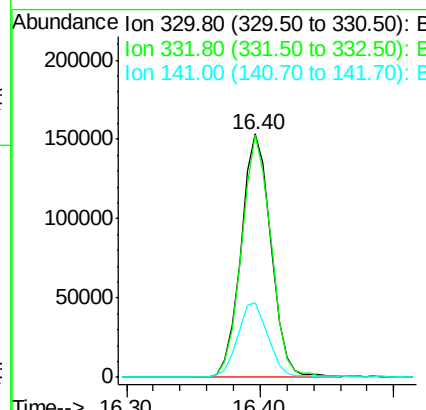
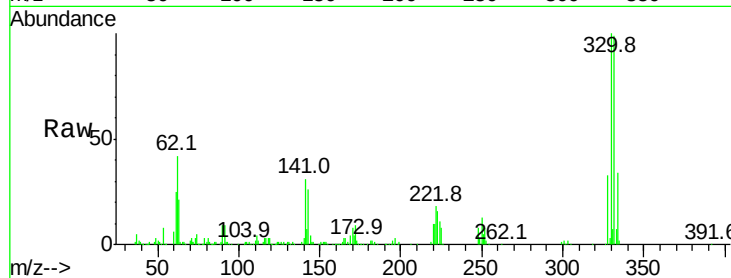




#41
 2,4,6-Tribromophenol
 Concen: 160.467 ng
 RT: 16.40 min Scan# 2180
 Delta R.T. -0.04 min
 Lab File: BG028770.D
 Acq: 15 Sep 2017 16:42

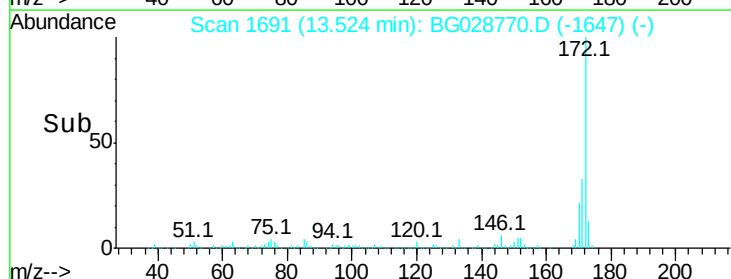
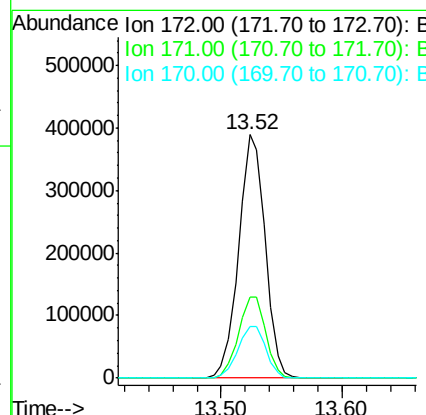
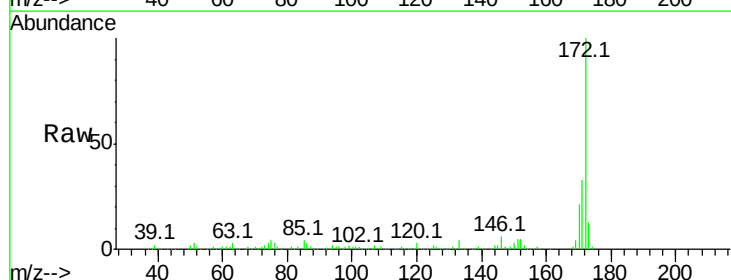
Instrument :
 BNA_G
 ClientSampleId :

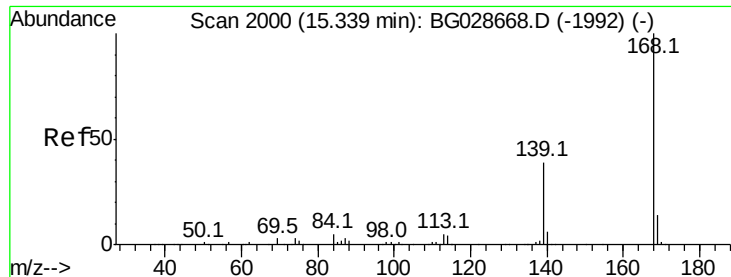
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.3	115.9
141	31.5	32.1	48.1#



#44
 2-Fluorobiphenyl
 Concen: 88.079 ng
 RT: 13.52 min Scan# 1691
 Delta R.T. -0.04 min
 Lab File: BG028770.D
 Acq: 15 Sep 2017 16:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.2	32.2	48.2
170	21.3	21.8	32.6#





#54

Dibenzenofuran

Concen: 2.178 ng

RT: 15.30 min Scan# 1994

Delta R.T. -0.04 min

Lab File: BG028770.D

Acq: 15 Sep 2017 16:42

Instrument :

BNA_G

ClientSampleId :

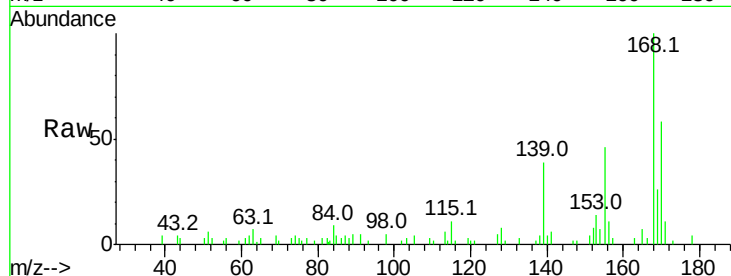
Tot Ion:168 Resp: 18303

Ion Ratio Lower Upper

168 100

139 39.2 35.3 52.9

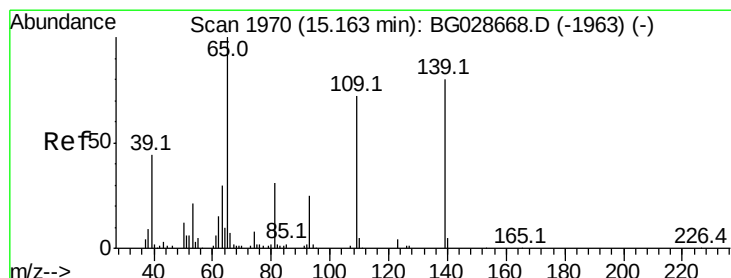
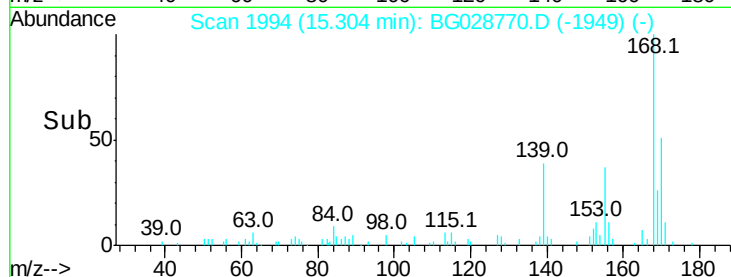
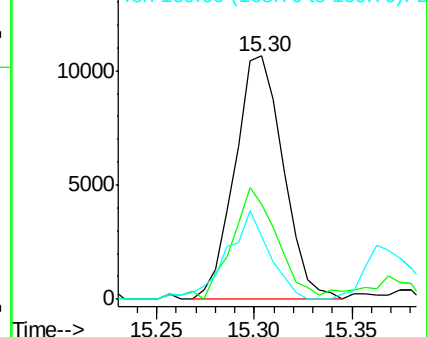
169 26.0 11.5 17.3#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 2.375 ng

RT: 15.10 min Scan# 1960

Delta R.T. -0.06 min

Lab File: BG028770.D

Acq: 15 Sep 2017 16:42

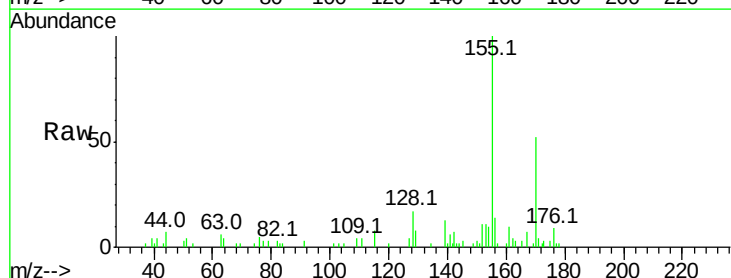
Tgt Ion:139 Resp: 2582

Ion Ratio Lower Upper

139 100

109 30.2 101.2 141.2#

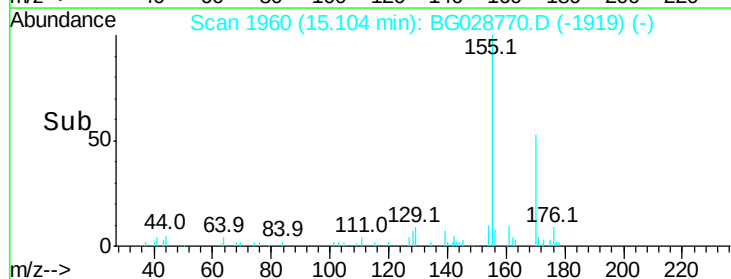
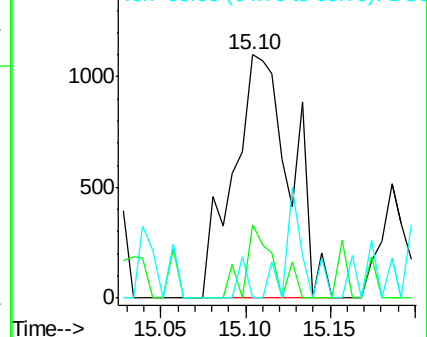
65 0.0 135.3 175.3#

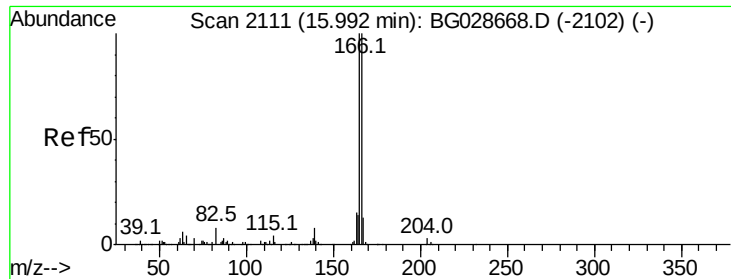


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG

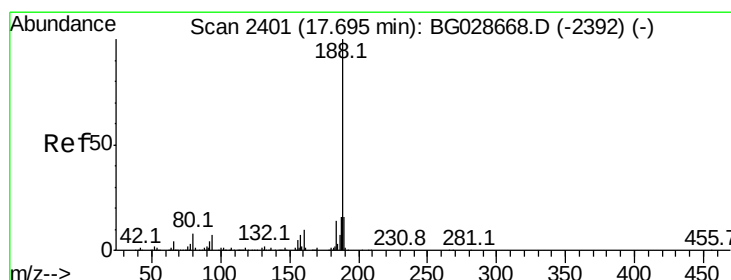
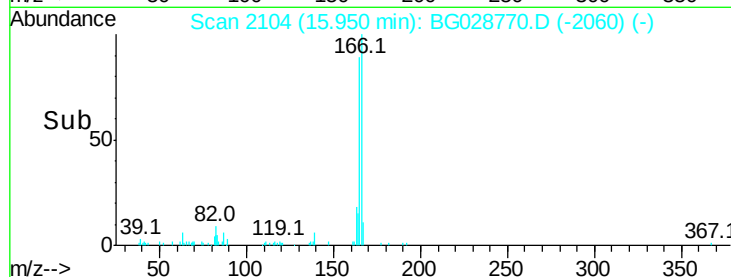
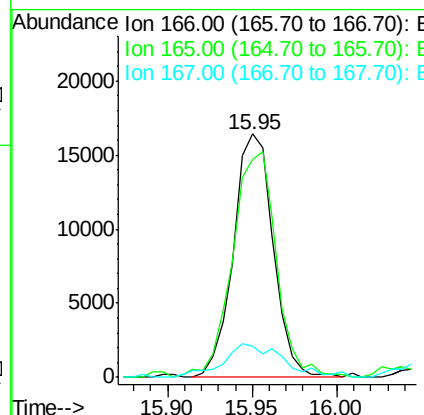
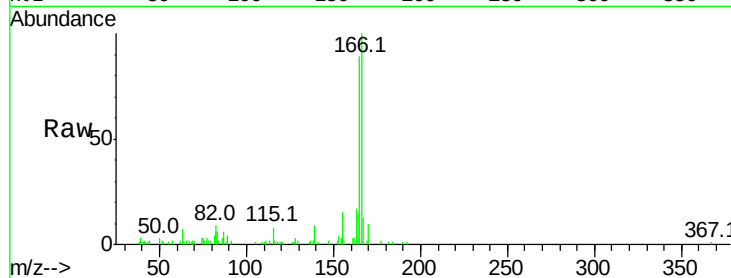




#57
 Fluorene
 Concen: 3.591 ng
 RT: 15.95 min Scan# 2104
 Delta R.T. -0.04 min
 Lab File: BG028770.D
 Acq: 15 Sep 2017 16:42

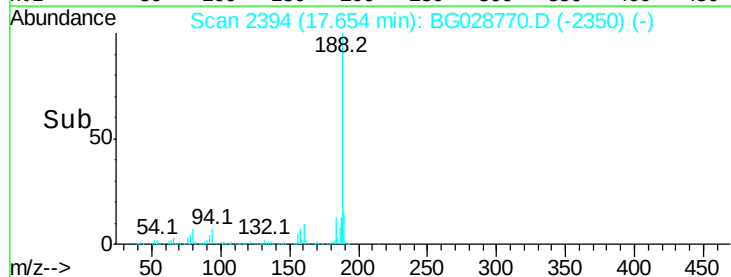
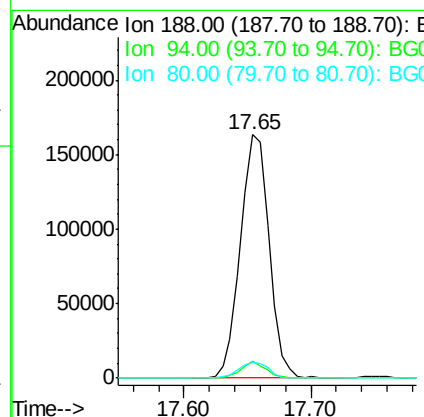
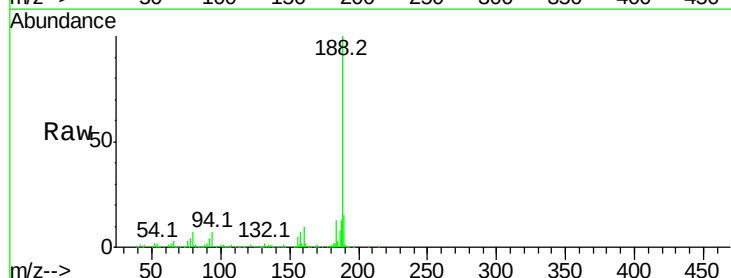
Instrument :
 BNA_G
 ClientSampleId :

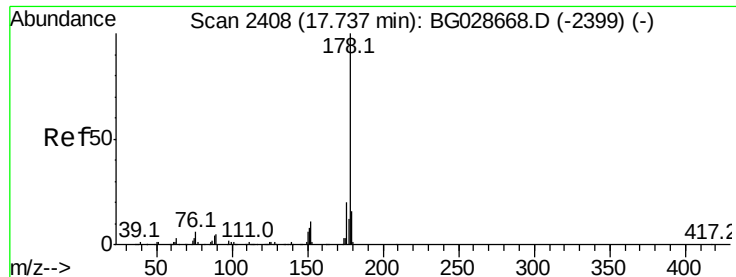
Tot Ion	Ratio	Lower	Upper
166	100		
165	89.3	78.6	117.8
167	12.6	11.6	17.4



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.65 min Scan# 2394
 Delta R.T. -0.04 min
 Lab File: BG028770.D
 Acq: 15 Sep 2017 16:42

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.1	5.8	8.8
80	6.6	7.5	11.3#





#70

Phenanthrene

Concen: 2.648 ng

RT: 17.70 min Scan# 2402

Delta R.T. -0.04 min

Lab File: BG028770.D

Acq: 15 Sep 2017 16:42

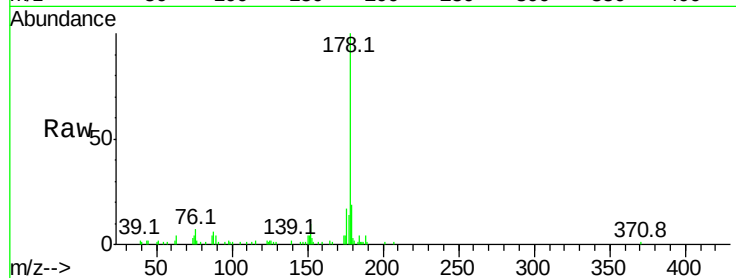
Instrument :

BNA_G

ClientSampleId :

Tot Ion:178 Resp: 34697

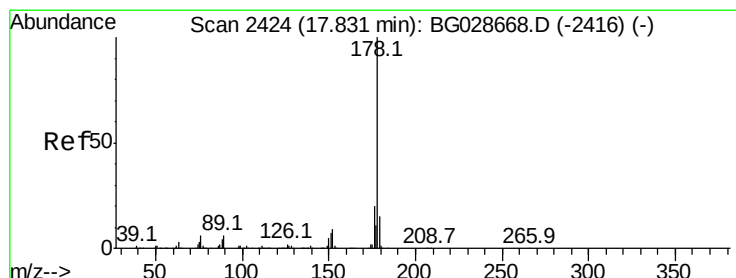
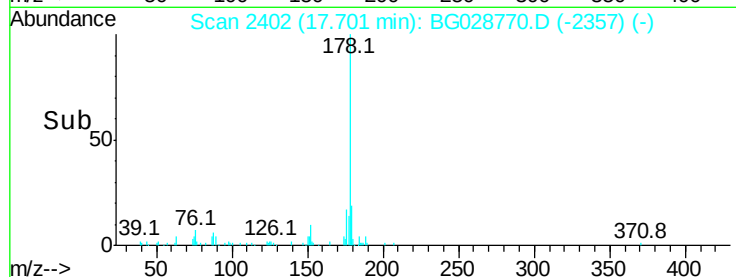
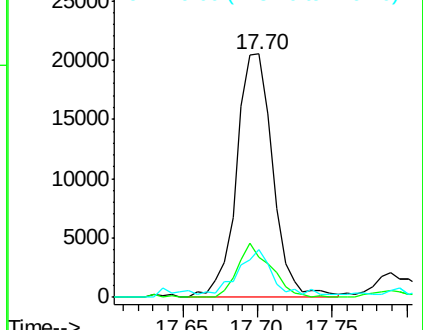
Ion	Ratio	Lower	Upper
178	100		
176	16.6	17.7	26.5#
179	19.5	15.0	22.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.621 ng

RT: 17.70 min Scan# 2402

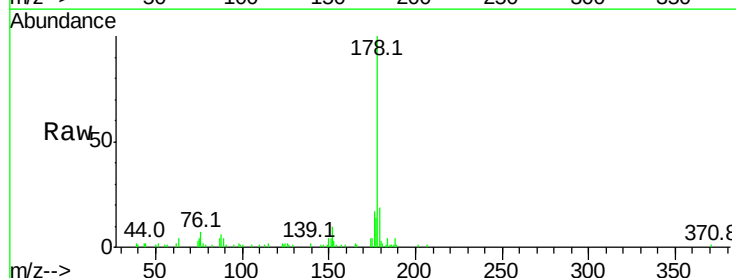
Delta R.T. -0.13 min

Lab File: BG028770.D

Acq: 15 Sep 2017 16:42

Tgt Ion:178 Resp: 34697

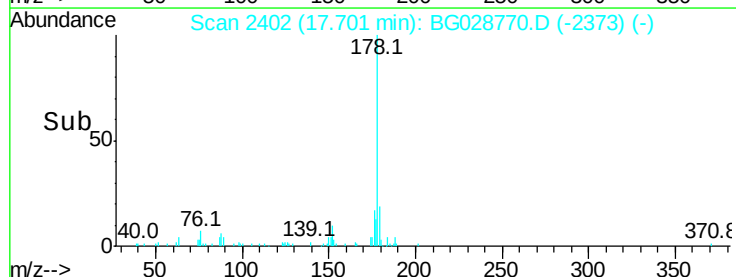
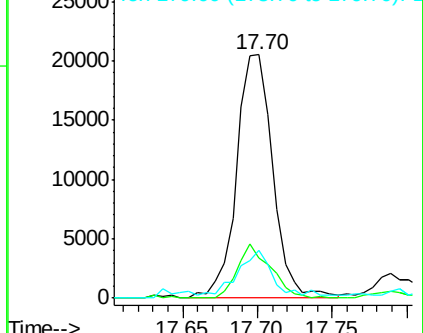
Ion	Ratio	Lower	Upper
178	100		
176	16.6	16.4	24.6
179	19.5	13.8	20.8

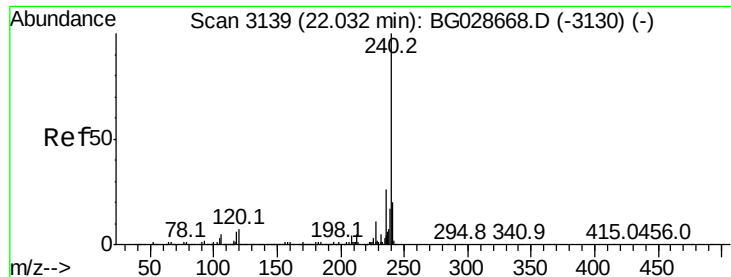


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.98 min Scan# 3130

Delta R.T. -0.05 min

Lab File: BG028770.D

Acq: 15 Sep 2017 16:42

Instrument :

BNA_G

ClientSampleId :

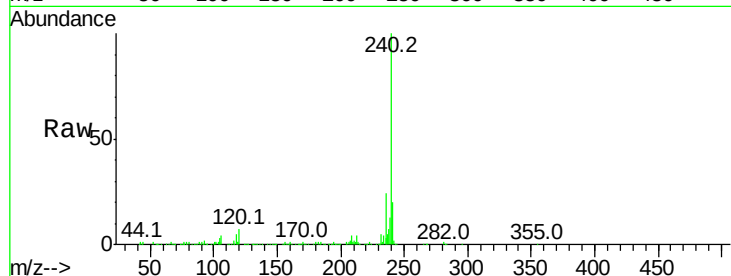
Tot Ion:240 Resp: 292191

Ion Ratio Lower Upper

240 100

120 7.0 5.7 8.5

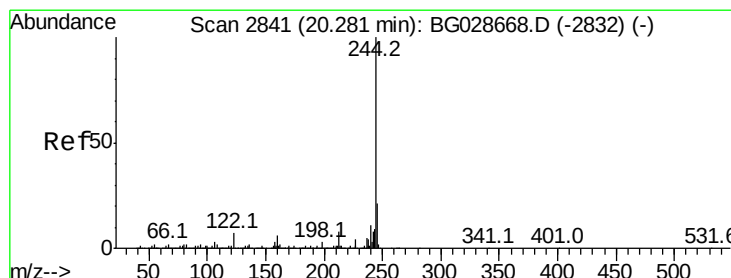
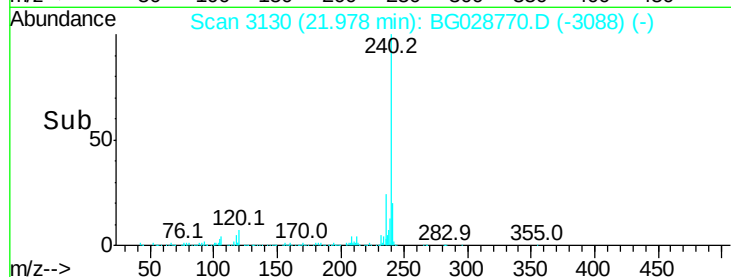
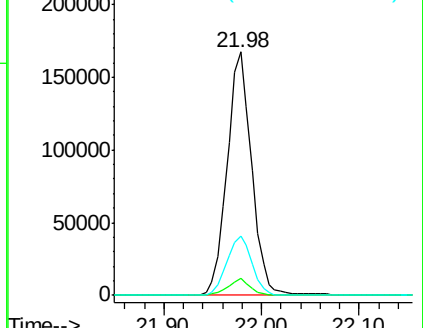
236 24.4 22.2 33.4



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: 90.787 ng

RT: 20.25 min Scan# 2835

Delta R.T. -0.04 min

Lab File: BG028770.D

Acq: 15 Sep 2017 16:42

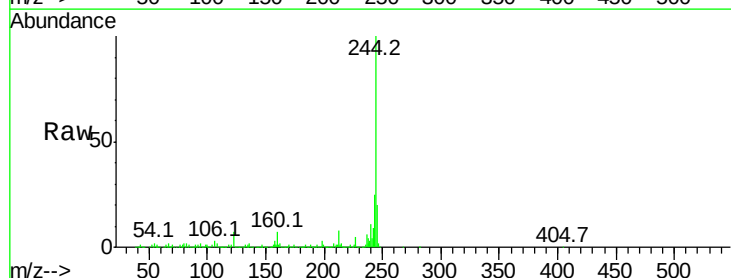
Tgt Ion:244 Resp: 1243905

Ion Ratio Lower Upper

244 100

212 7.8 10.0 15.0#

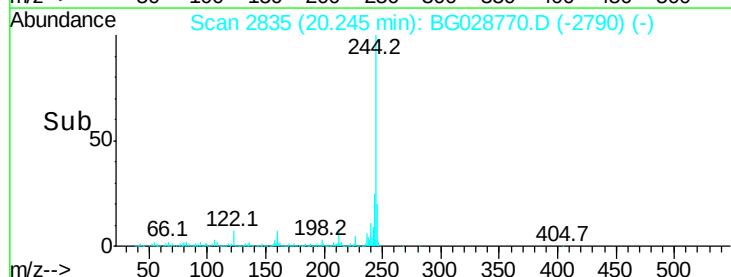
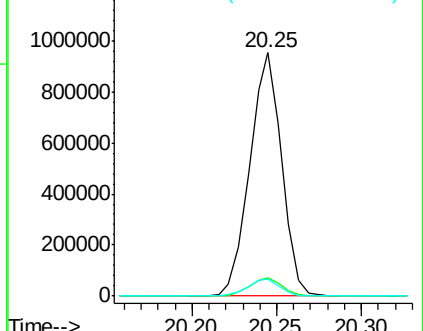
122 7.1 8.6 12.8#

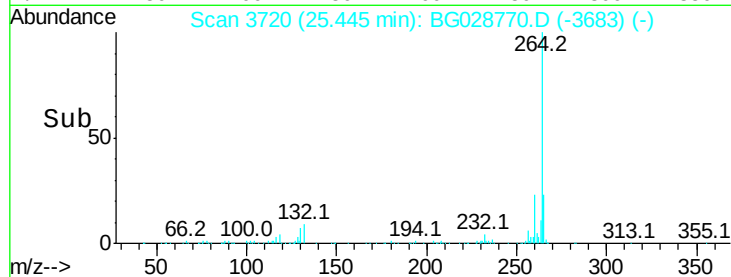
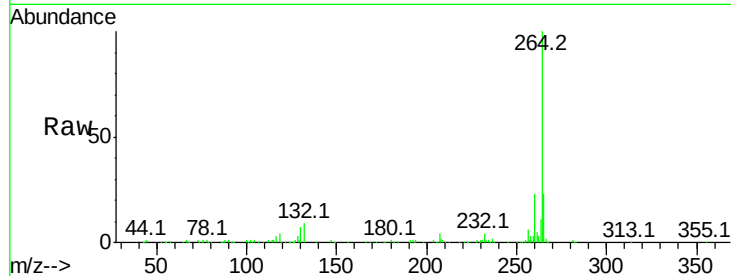
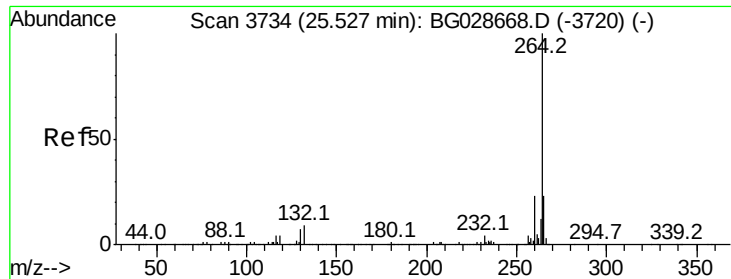


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 25.44 min Scan# 3720
Delta R.T. -0.08 min
Lab File: BG028770.D
Acq: 15 Sep 2017 16:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	21.8	32.8
265	22.9	18.2	27.4

