

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060917\
 Data File : BG027362.D
 Acq On : 10 Jun 2017 00:43
 Operator : SJ/MA
 Sample : I3563-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 10 03:59:44 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

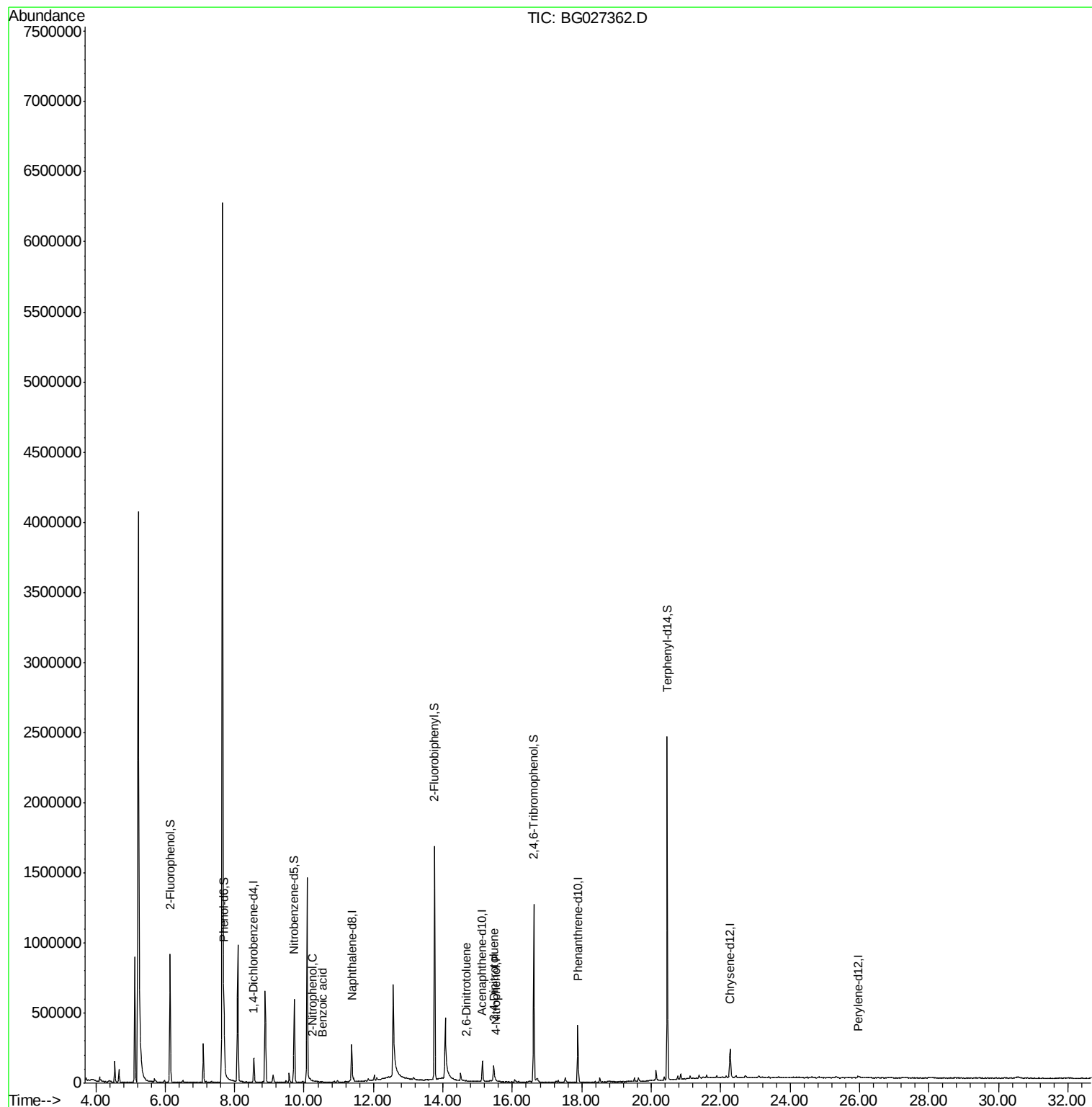
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.56	152	49928	20.00	ng	-0.02
21) Naphthalene-d8	11.37	136	226639	20.00	ng	-0.03
38) Acenaphthene-d10	15.13	164	37010	20.00	ng	-0.03
63) Phenanthrene-d10	17.88	188	199689	20.00	ng	-0.03
75) Chrysene-d12	22.27	240	98502	20.00	ng	-0.04
86) Perylene-d12	25.96	264	5552	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	6.14	112	412842	126.18	ng	-0.01
7) Phenol-d6	7.69	99	217344	45.25	ng	-0.01
23) Nitrobenzene-d5	9.72	82	399947	110.98	ng	-0.03
41) 2,4,6-Tribromophenol	16.62	330	258880	531.19	ng	-0.03
44) 2-Fluorobiphenyl	13.76	172	851082	321.71	ng	-0.03
78) Terphenyl-d14	20.46	244	837271	216.84	ng	-0.03
Target Compounds						
26) 2-Nitrophenol	10.25	139	53	7.22	ng	# 20
32) Benzoic acid	10.54	122	390	8.15	ng	# 84
50) 2,6-Dinitrotoluene	14.68	165	59	5.70	ng	# 11
55) 4-Nitrophenol	15.52	139	202	6.46	ng	# 1
56) 2,4-Dinitrotoluene	15.46	165	292	7.31	ng	# 57

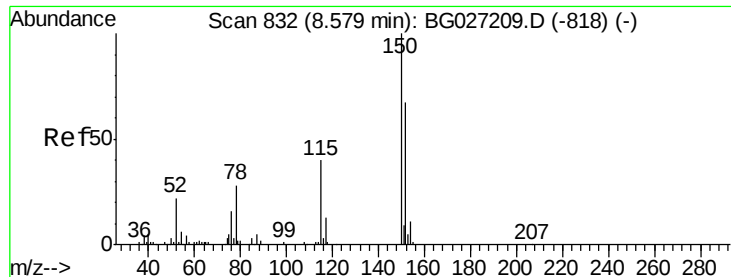
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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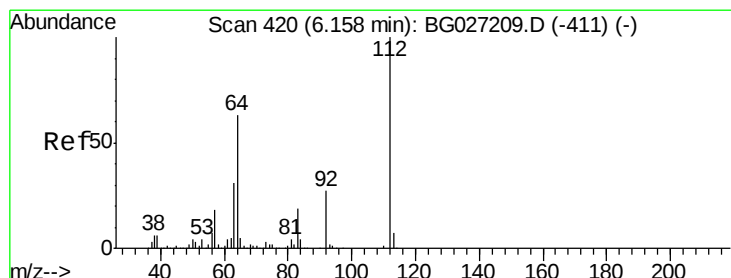
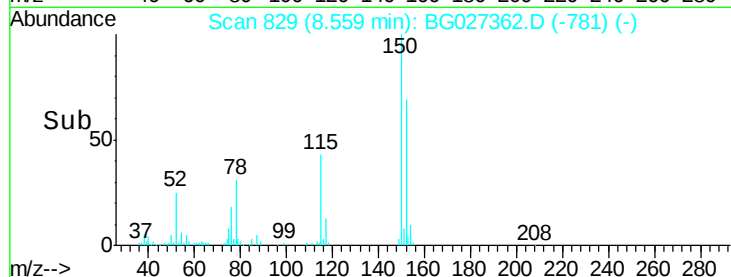
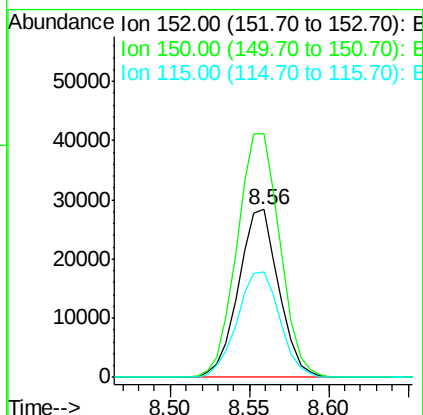
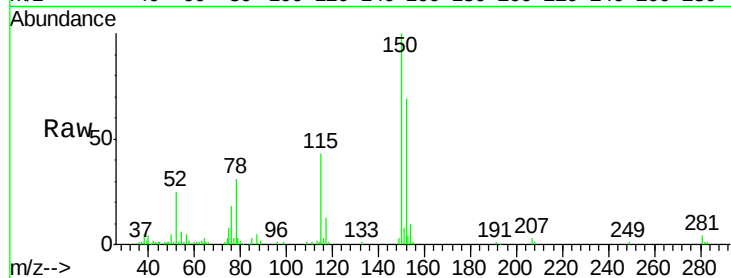


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.56 min Scan# 829
Delta R.T. -0.02 min
Lab File: BG027362.D
Acq: 10 Jun 2017 00:43

Instrument :
BNA_G
ClientSampled :

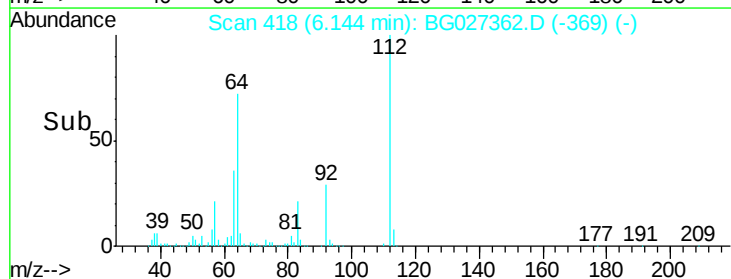
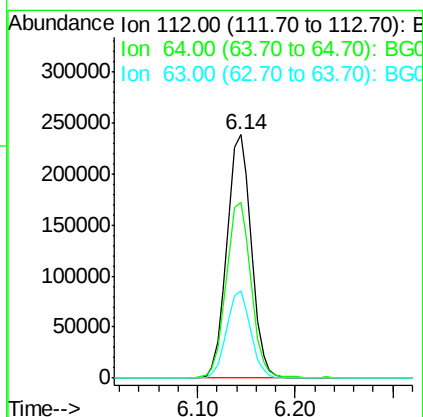
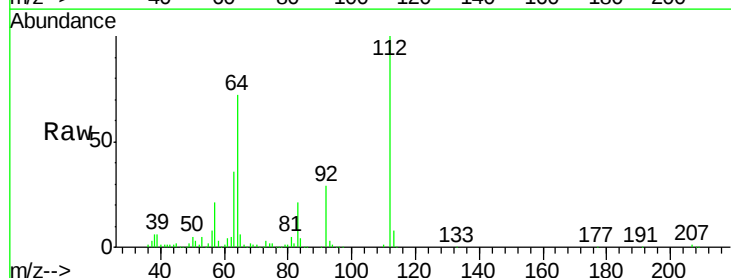
Tot Ion	Ratio	Lower	Upper
152	100		
150	145.2	114.0	171.0
115	63.0	48.1	72.1

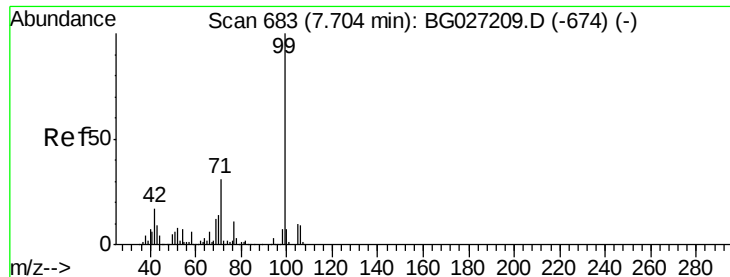


#5

2-Fluorophenol
Concen: 126.18 ng
RT: 6.14 min Scan# 418
Delta R.T. -0.01 min
Lab File: BG027362.D
Acq: 10 Jun 2017 00:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.2	61.8	92.6
63	35.9	37.2	55.8#





#7

Phenol-d6

Concen: 45.25 ng

RT: 7.69 min Scan# 681

Delta R.T. -0.01 min

Lab File: BG027362.D

Acq: 10 Jun 2017 00:43

Instrument :

BNA_G

ClientSampleId :

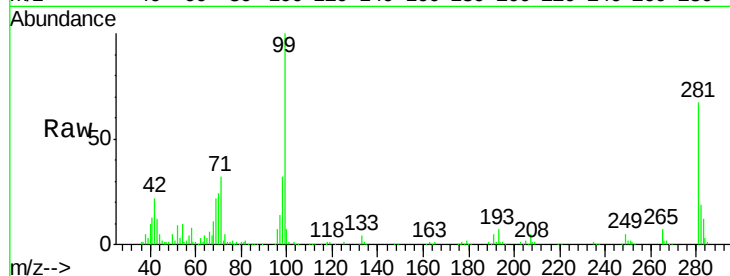
Tot Ion: 99 Resp: 217344

Ion Ratio Lower Upper

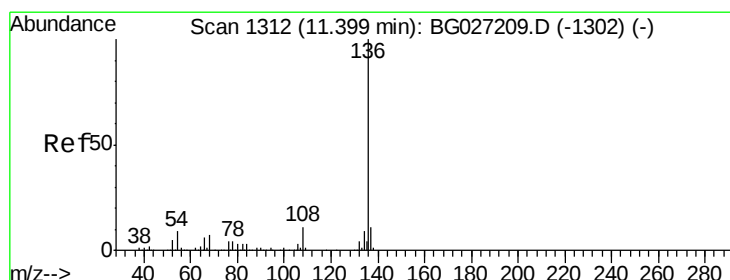
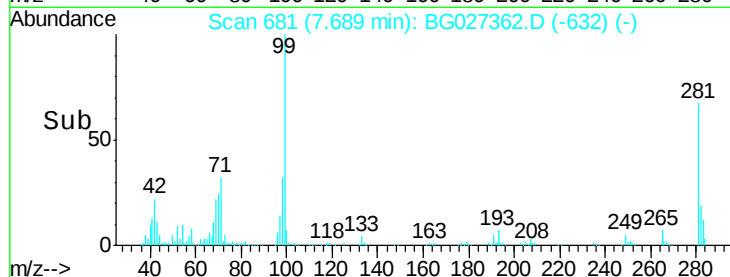
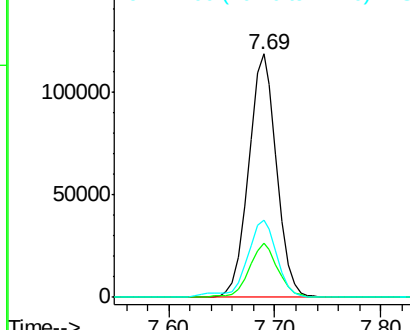
99 100

42 22.1 20.5 30.7

71 31.5 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: 11.37 min Scan# 1308

Delta R.T. -0.03 min

Lab File: BG027362.D

Acq: 10 Jun 2017 00:43

Tgt Ion: 136 Resp: 226639

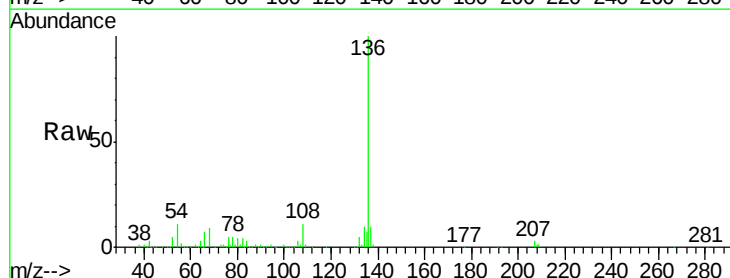
Ion Ratio Lower Upper

136 100

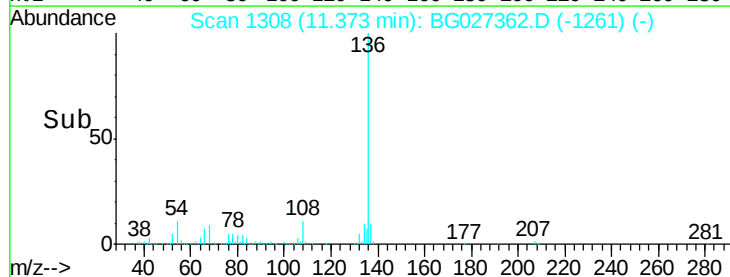
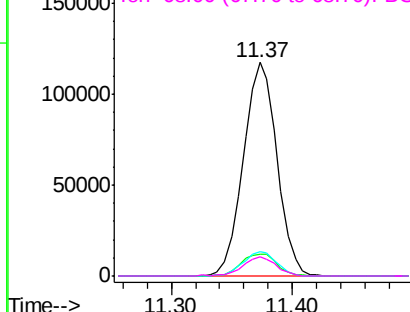
137 10.4 8.9 13.3

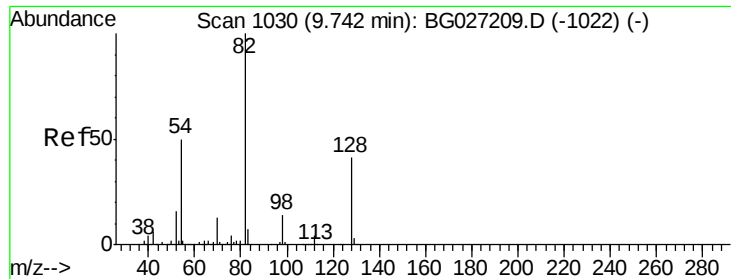
54 11.1 9.3 13.9

68 9.0 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

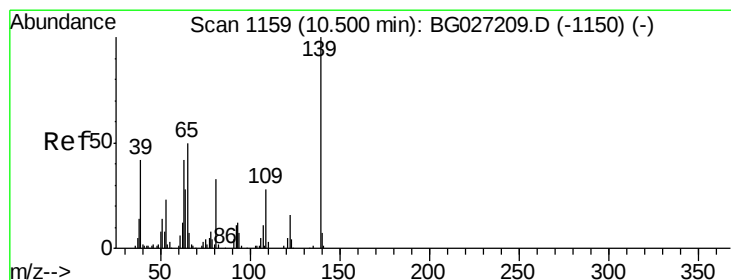
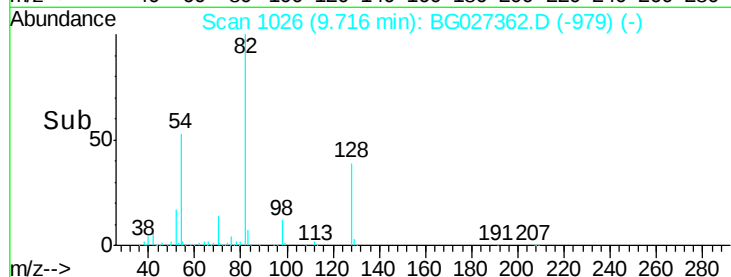
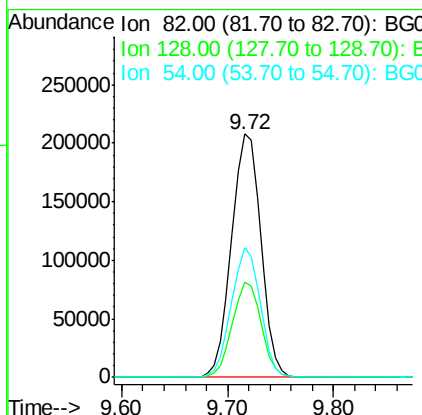
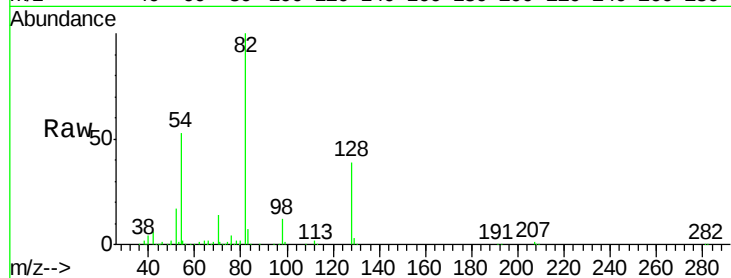




#23
 Nitrobenzene-d5
 Concen: 110.98 ng
 RT: 9.72 min Scan# 1026
 Delta R.T. -0.03 min
 Lab File: BG027362.D
 Acq: 10 Jun 2017 00:43

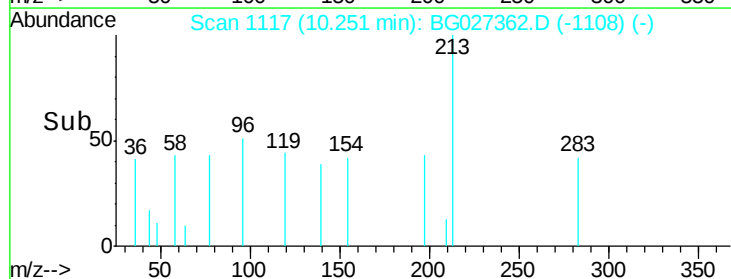
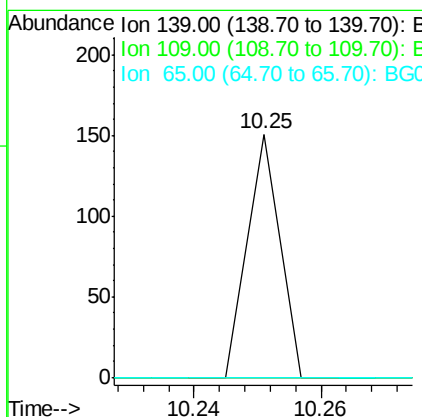
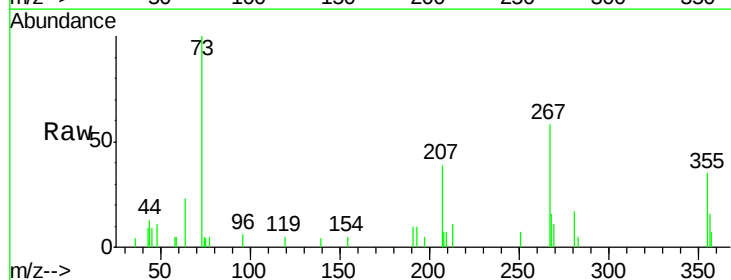
Instrument :
 BNA_G
 ClientSampleId :

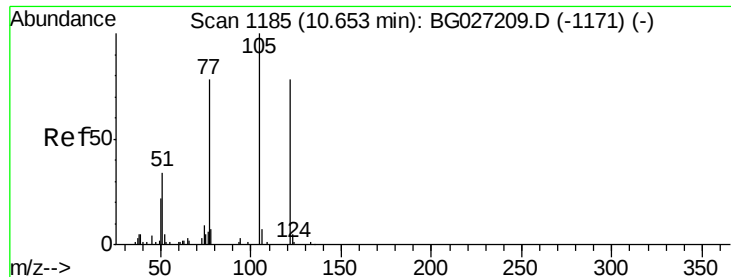
Tot Ion	82.00	Resp	399947
Ion Ratio	Lower	Upper	
82	100		
128	39.0	26.4	39.6
54	53.5	49.4	74.2



#26
 2-Nitrophenol
 Concen: 7.22 ng
 RT: 10.25 min Scan# 1117
 Delta R.T. -0.25 min
 Lab File: BG027362.D
 Acq: 10 Jun 2017 00:43

Tgt Ion	139.00	Resp	53
Ion Ratio	Lower	Upper	
139	100		
109	0.0	38.6	58.0#
65	0.0	57.1	85.7#





#32

Benzoic acid

Concen: 8.15 ng

RT: 10.54 min Scan# 1166

Delta R.T. -0.11 min

Lab File: BG027362.D

Acq: 10 Jun 2017 00:43

Instrument :

BNA_G

ClientSampleId :

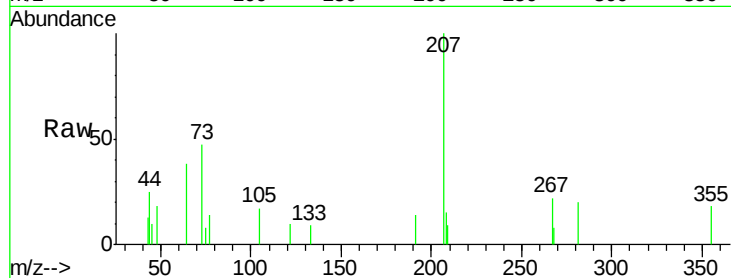
Tot Ion:122 Resp: 390

Ion Ratio Lower Upper

122 100

105 164.9 120.1 160.1#

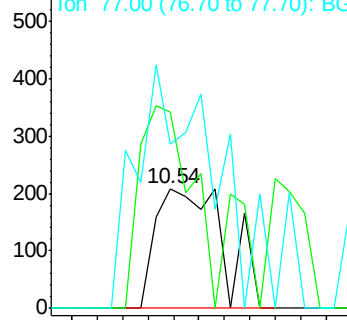
77 137.0 104.6 144.6



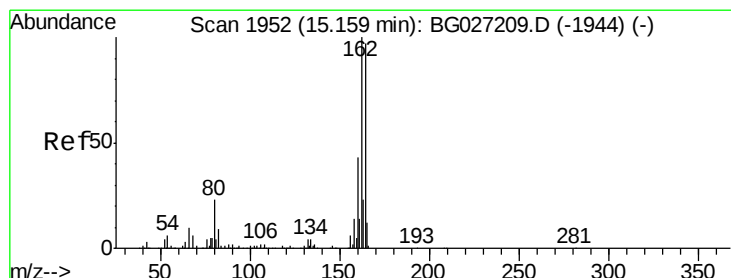
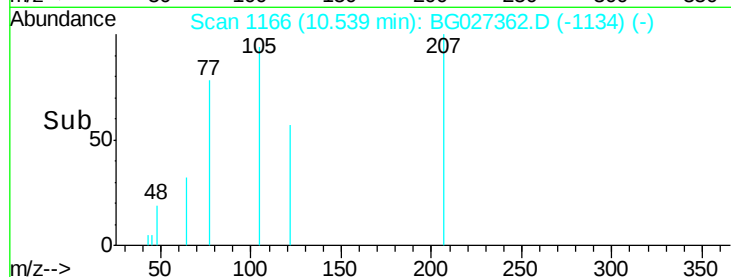
Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.13 min Scan# 1948

Delta R.T. -0.03 min

Lab File: BG027362.D

Acq: 10 Jun 2017 00:43

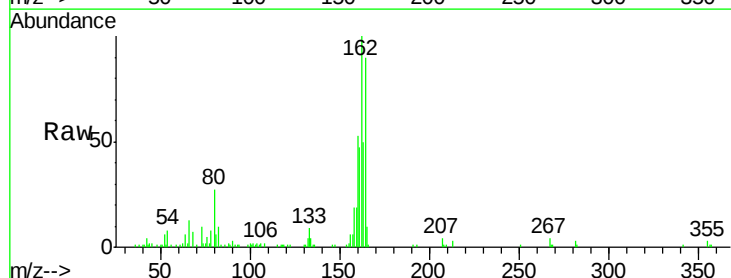
Tgt Ion:164 Resp: 37010

Ion Ratio Lower Upper

164 100

162 111.1 85.1 127.7

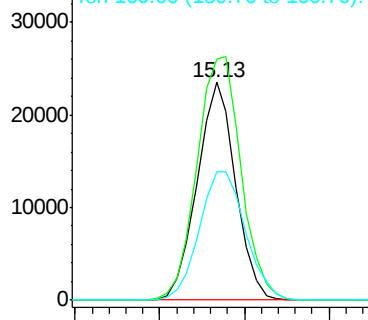
160 58.9 34.7 52.1#



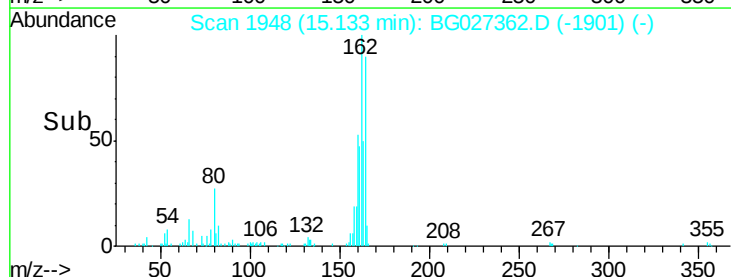
Abundance Ion 164.00 (163.70 to 164.70): E

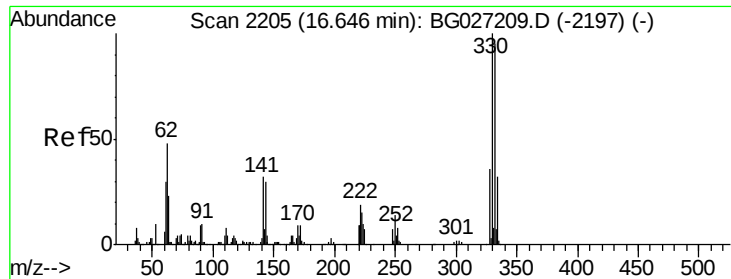
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->

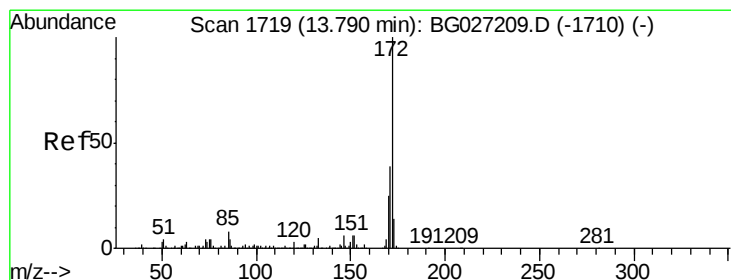
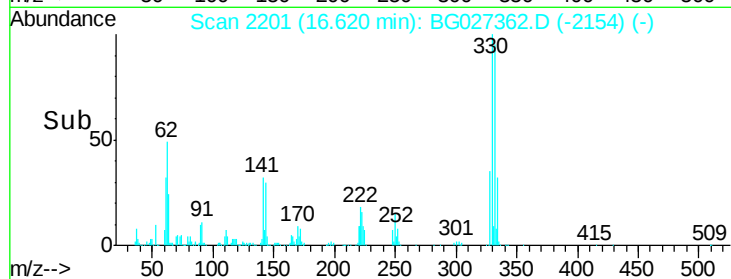
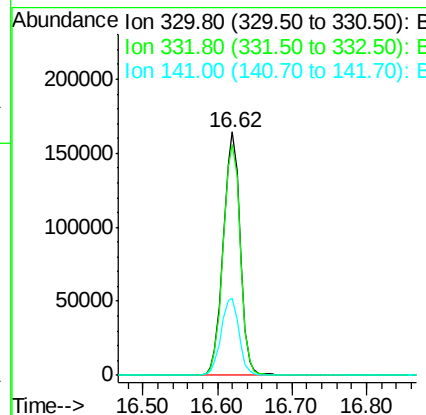
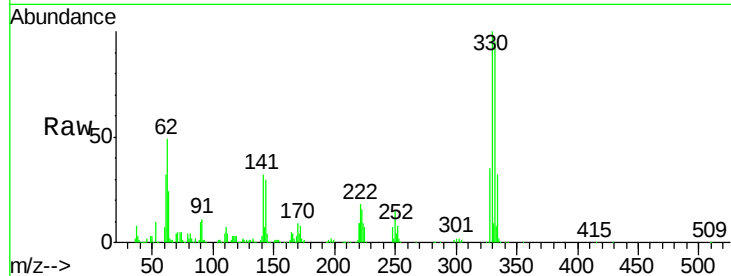




#41
 2,4,6-Tribromophenol
 Concen: 531.19 ng
 RT: 16.62 min Scan# 2201
 Delta R.T. -0.03 min
 Lab File: BG027362.D
 Acq: 10 Jun 2017 00:43

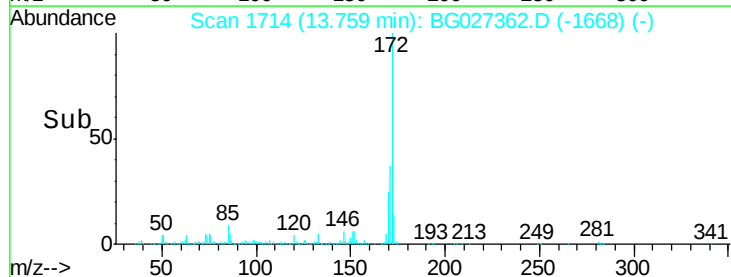
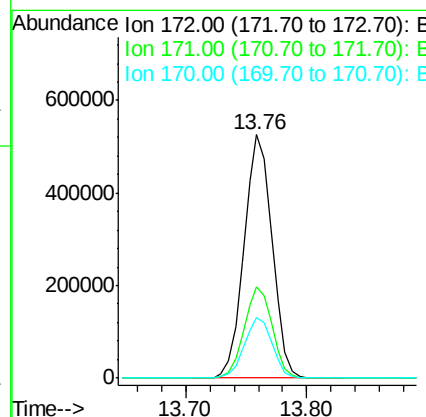
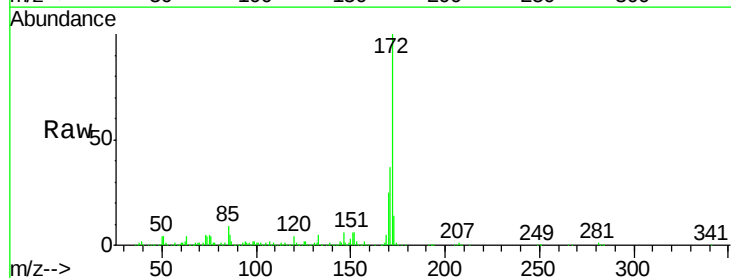
Instrument :
 BNA_G
 ClientSampleId :

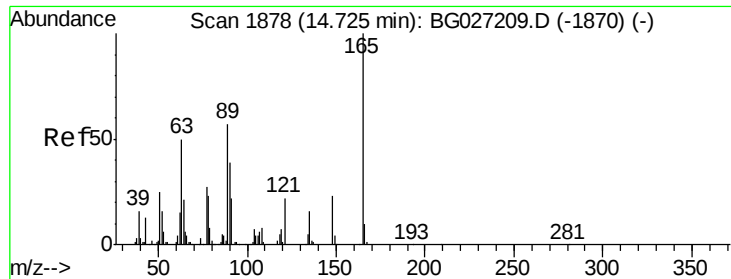
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.3	115.9
141	33.4	32.1	48.1



#44
 2-Fluorobiphenyl
 Concen: 321.71 ng
 RT: 13.76 min Scan# 1714
 Delta R.T. -0.03 min
 Lab File: BG027362.D
 Acq: 10 Jun 2017 00:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	32.2	48.2
170	24.8	21.8	32.6

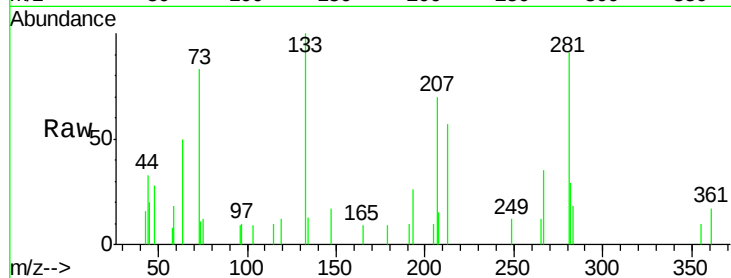




#50
2,6-Dinitrotoluene
Concen: 5.70 ng
RT: 14.68 min Scan# 1871
Delta R.T. -0.04 min
Lab File: BG027362.D
Acq: 10 Jun 2017 00:43

Instrument :
BNA_G
ClientSampled :

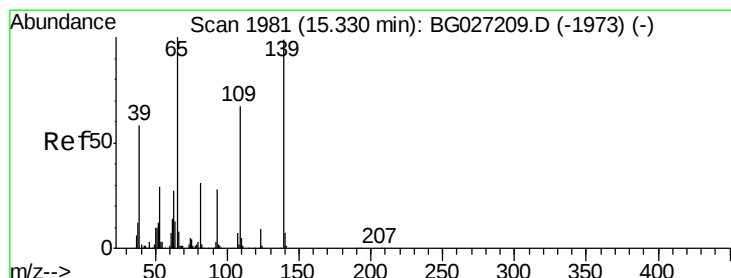
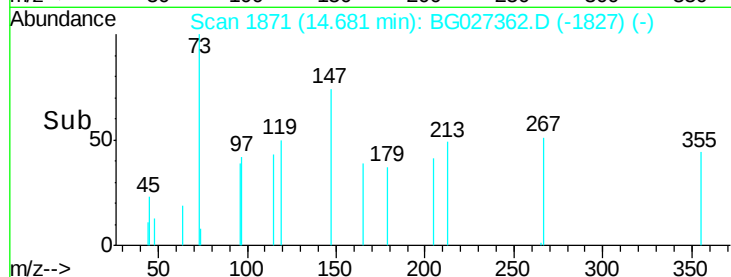
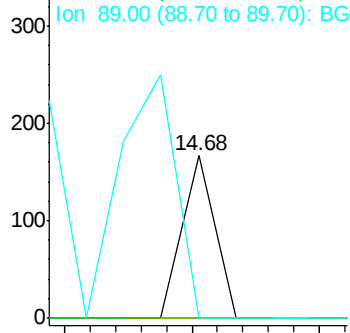
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	63.9	95.9#
89	0.0	58.6	88.0#



Abundance Ion 165.00 (164.70 to 165.70): E

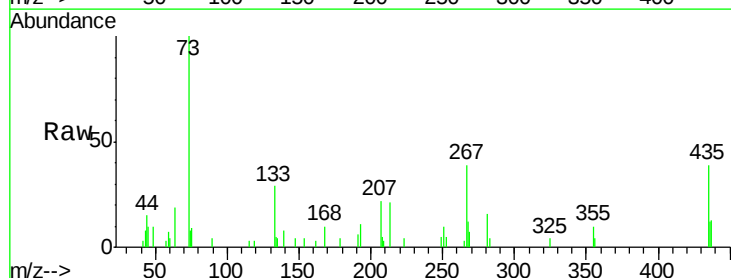
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#55
4-Nitrophenol
Concen: 6.46 ng
RT: 15.52 min Scan# 2014
Delta R.T. 0.19 min
Lab File: BG027362.D
Acq: 10 Jun 2017 00:43

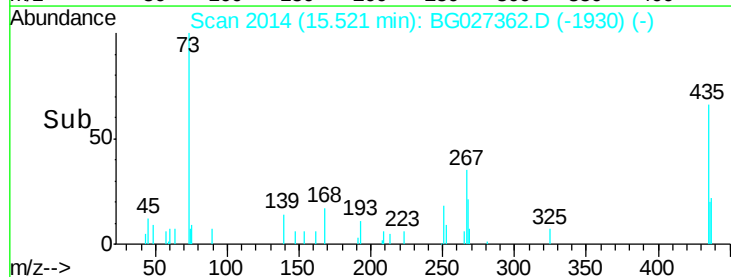
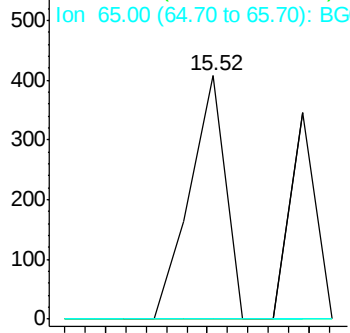
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	101.2	141.2#
65	0.0	135.3	175.3#

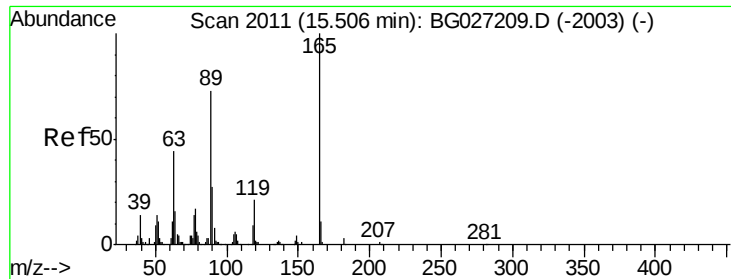


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

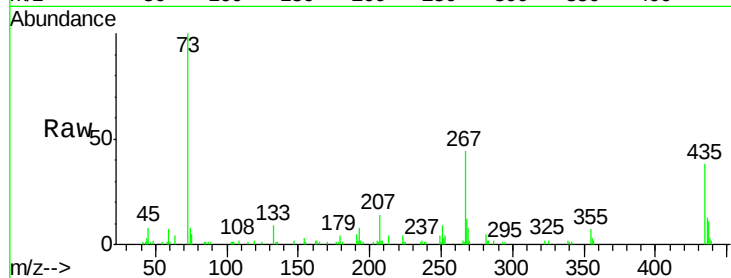




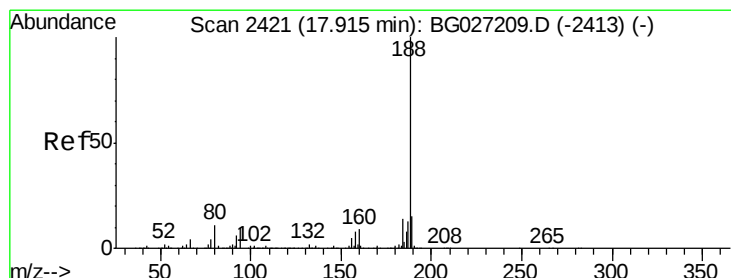
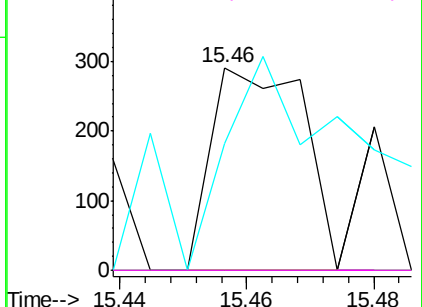
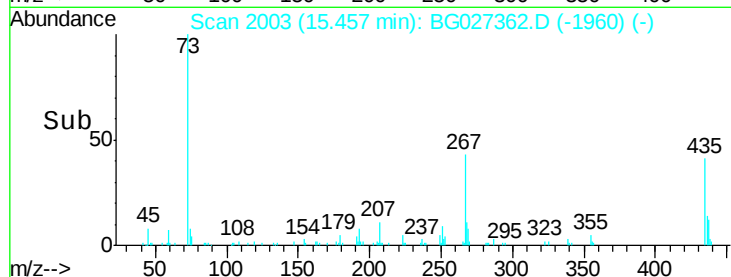
#56
2,4-Dinitrotoluene
Concen: 7.31 ng
RT: 15.46 min Scan# 2003
Delta R.T. -0.05 min
Lab File: BG027362.D
Acq: 10 Jun 2017 00:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 292
Ion Ratio Lower Upper
165 100
63 0.0 44.0 66.0#
89 62.5 67.3 100.9#
182 0.0 3.8 5.6#

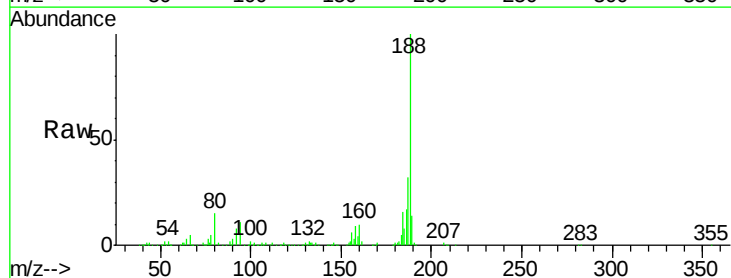


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

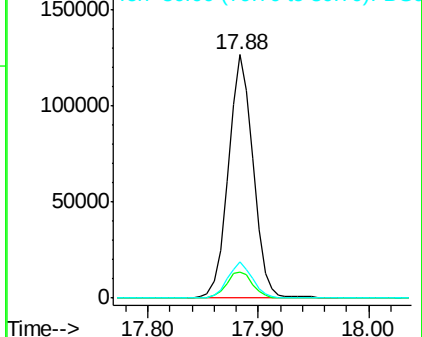
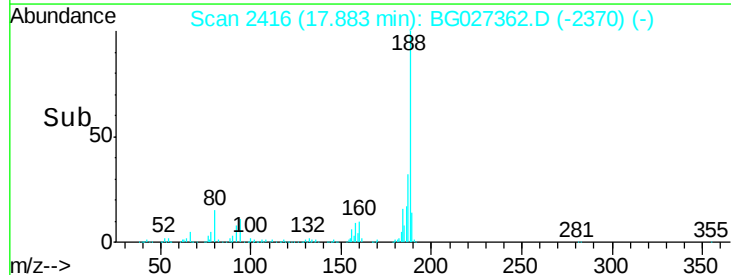


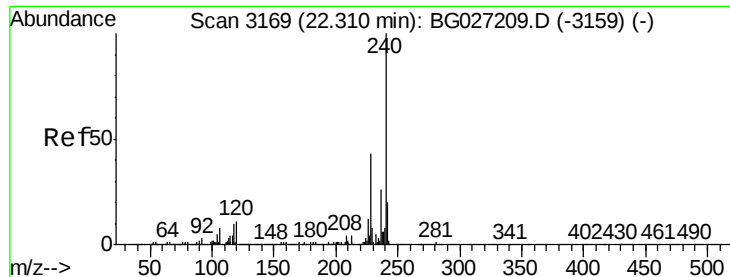
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.88 min Scan# 2416
Delta R.T. -0.03 min
Lab File: BG027362.D
Acq: 10 Jun 2017 00:43

Tgt Ion:188 Resp: 199689
Ion Ratio Lower Upper
188 100
94 10.6 5.8 8.8#
80 14.9 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: 22.27 min Scan# 3162

Delta R.T. -0.04 min

Lab File: BG027362.D

Acq: 10 Jun 2017 00:43

Instrument :

BNA_G

ClientSampleId :

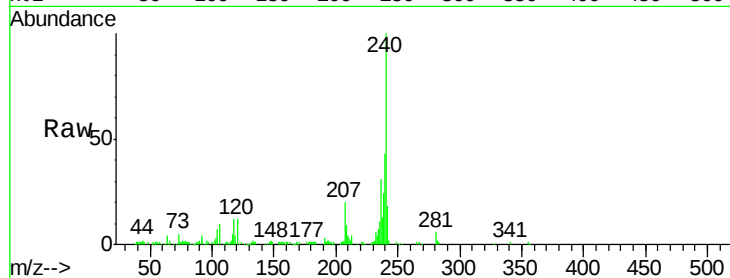
Tot Ion:240 Resp: 98502

Ion Ratio Lower Upper

240 100

120 11.5 5.7 8.5#

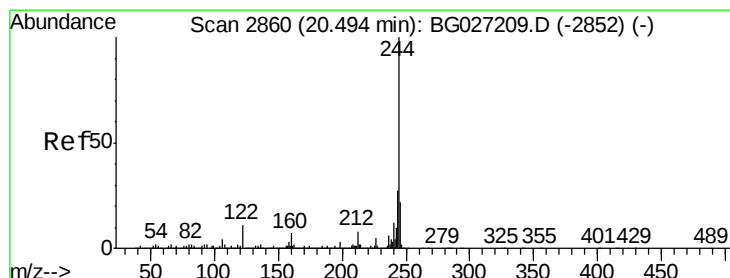
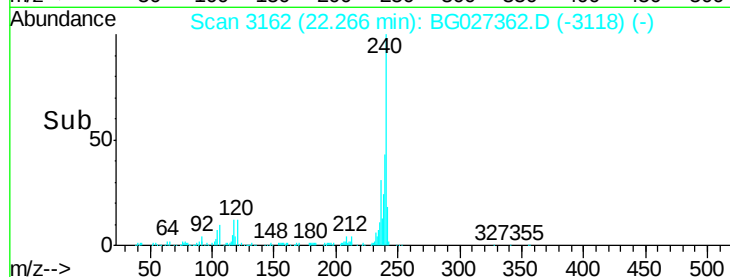
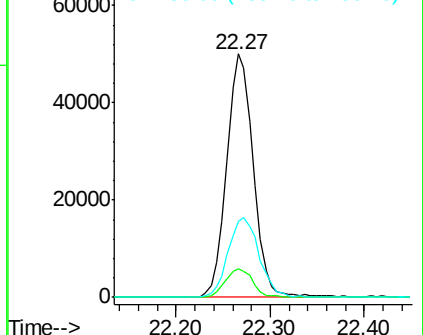
236 31.1 22.2 33.4



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: 216.84 ng

RT: 20.46 min Scan# 2855

Delta R.T. -0.03 min

Lab File: BG027362.D

Acq: 10 Jun 2017 00:43

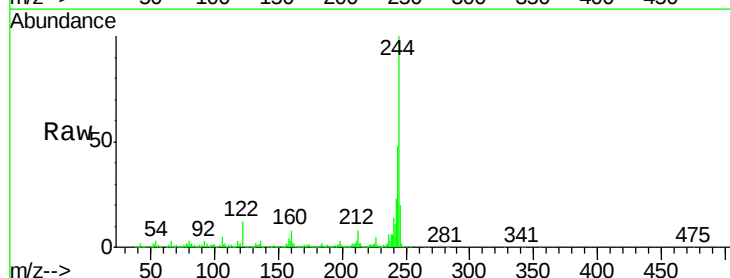
Tgt Ion:244 Resp: 837271

Ion Ratio Lower Upper

244 100

212 8.2 10.0 15.0#

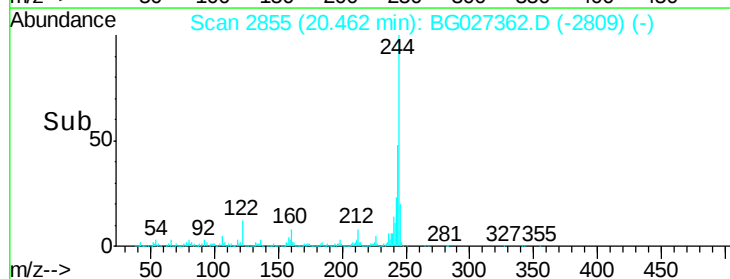
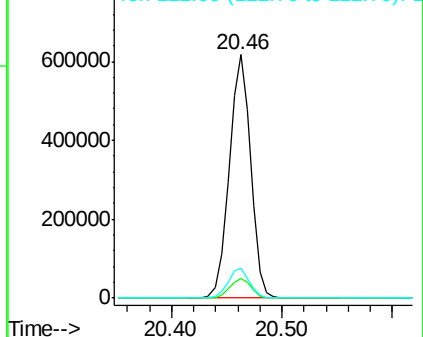
122 12.0 8.6 12.8

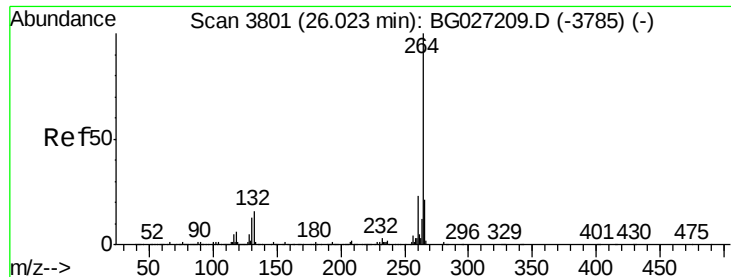


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 25.96 min Scan# 3790
 Delta R.T. -0.07 min
 Lab File: BG027362.D
 Acq: 10 Jun 2017 00:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 264 Resp: 5552
 Ion Ratio Lower Upper
 264 100
 260 59.7 21.8 32.8#
 265 19.5 18.2 27.4

