

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061517\
 Data File : BG027464.D
 Acq On : 16 Jun 2017 5:36
 Operator : SJ/MA
 Sample : I3691-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 16 07:13:40 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG061417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 14 19:09:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.52	152	36176	20.00	ng	-0.01
21) Naphthalene-d8	11.34	136	179059	20.00	ng	0.00
38) Acenaphthene-d10	15.10	164	149390	20.00	ng	0.00
63) Phenanthrene-d10	17.86	188	353493	20.00	ng	0.00
75) Chrysene-d12	22.23	240	404909	20.00	ng	0.00
86) Perylene-d12	25.89	264	397964	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.11	112	53626	20.95	ng	0.00
7) Phenol-d6	7.65	99	59330	15.08	ng	0.00
23) Nitrobenzene-d5	9.68	82	253525	72.19	ng	-0.01
41) 2,4,6-Tribromophenol	16.60	330	102176	45.57	ng	0.00
44) 2-Fluorobiphenyl	13.73	172	622466	60.19	ng	0.00
78) Terphenyl-d14	20.43	244	1132149	71.66	ng	0.00

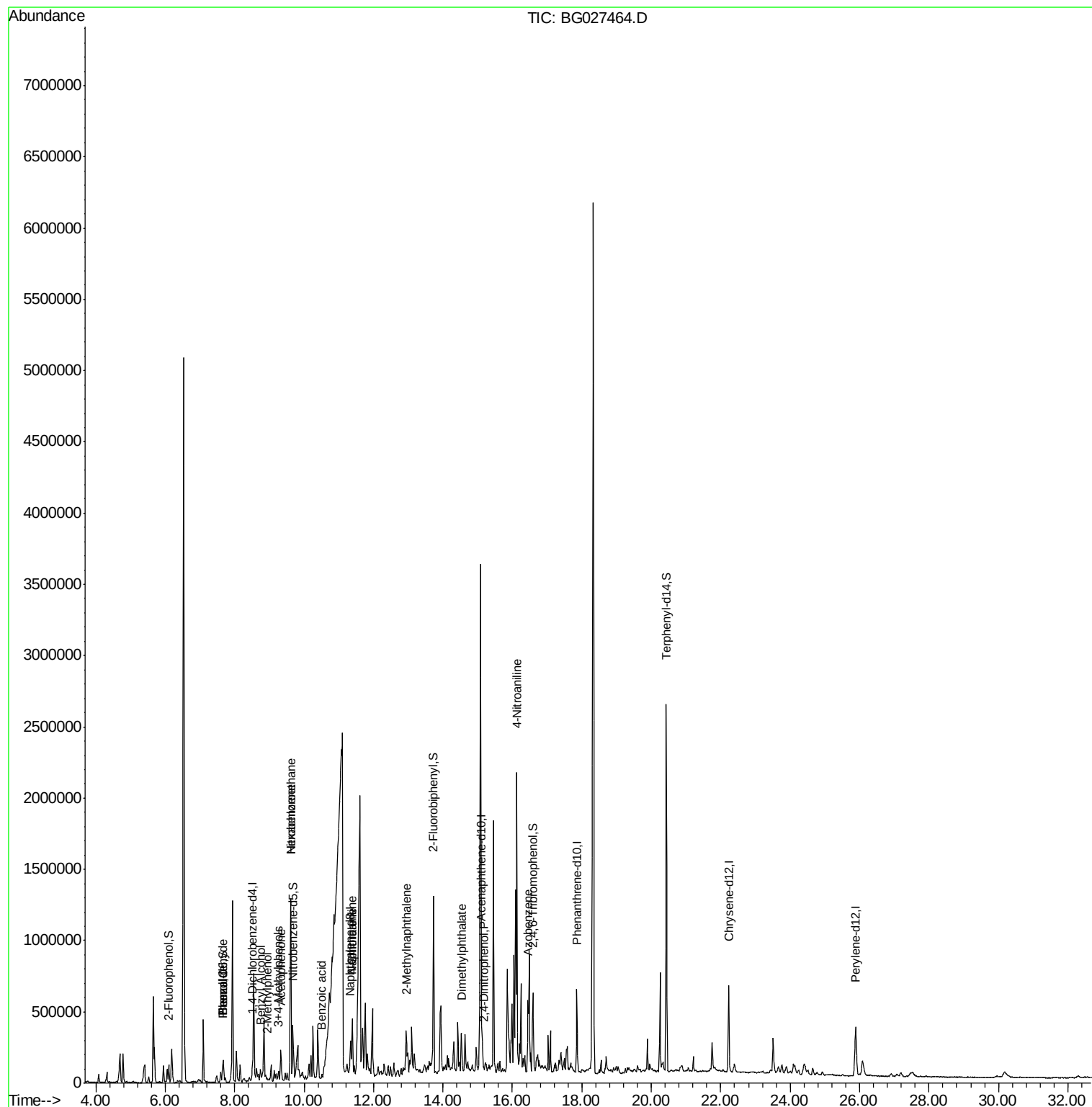
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.67	77	13662	5.15	ng	# 3
10) Phenol	7.68	94	57682	14.22	ng	81
15) Benzyl Alcohol	8.75	79	23813	8.36	ng	# 90
17) 2-Methylphenol	8.94	107	6949	2.54	ng	# 90
18) Hexachloroethane	9.62	117	20598	19.18	ng	# 1
20) 3+4-Methylphenols	9.26	107	29868	7.58	ng	91
22) Acetophenone	9.33	105	134614	28.02	ng	# 87
24) Nitrobenzene	9.61	77	130316	33.55	ng	# 59
31) Naphthalene	11.39	128	316639	32.38	ng	98
32) Benzoic acid	10.51	122	5588	10.91	ng	# 43
33) 4-Chloroaniline	11.39	127	45996	11.16	ng	# 30
37) 2-Methylnaphthalene	12.96	142	76263	10.71	ng	95
49) Dimethylphthalate	14.55	163	54312	4.38	ng	99
53) 2,4-Dinitrophenol	15.17	184	144	5.61	ng	# 1
61) 4-Nitroaniline	16.13	138	8874	3.07	ng	# 38
62) Azobenzene	16.45	77	183005	13.94	ng	# 9

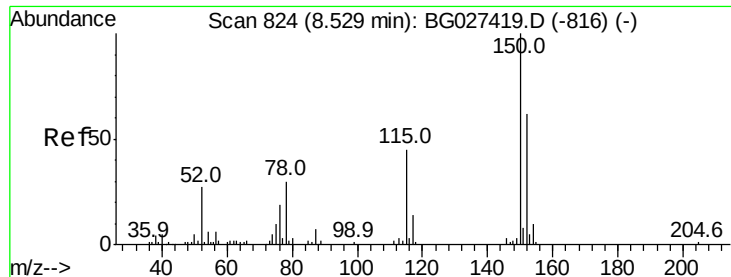
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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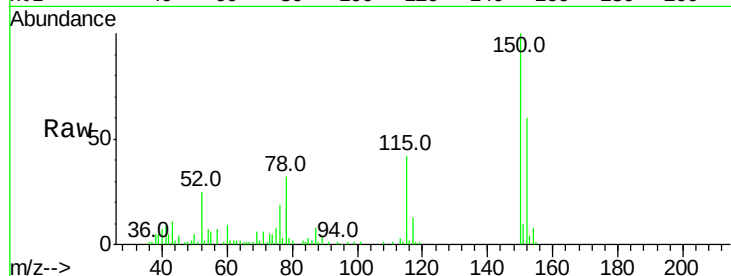


#1

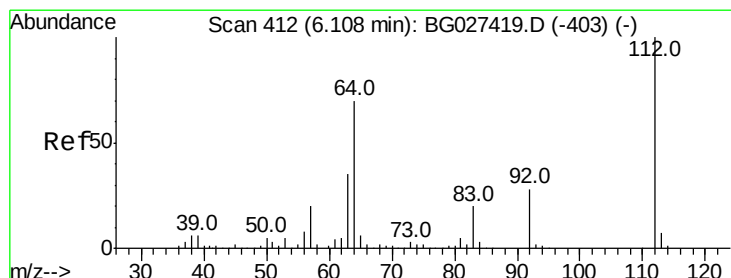
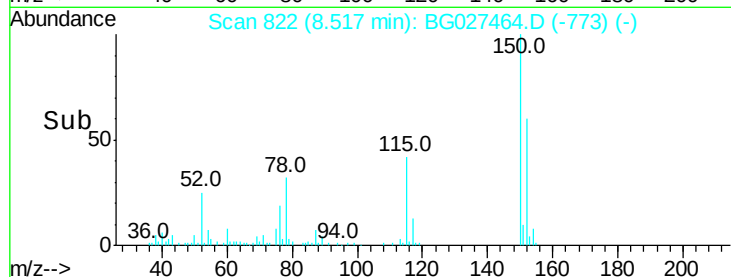
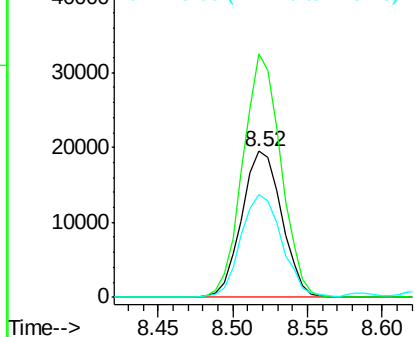
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.52 min Scan# 822
Delta R.T. -0.01 min
Lab File: BG027464.D
Acq: 16 Jun 2017 5:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 36176
Ion Ratio Lower Upper
152 100
150 166.8 114.0 171.0
115 70.2 48.1 72.1



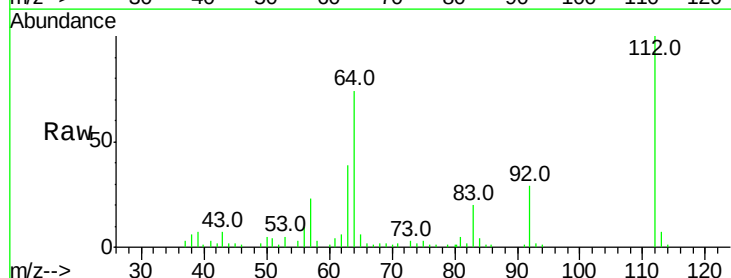
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



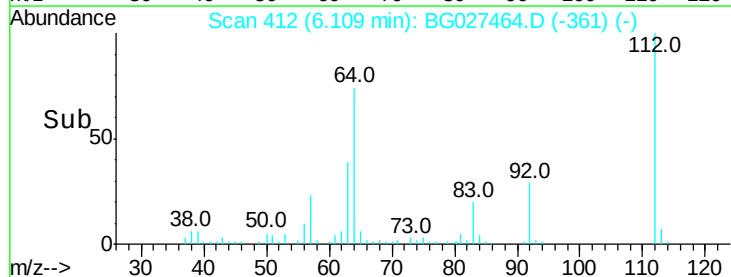
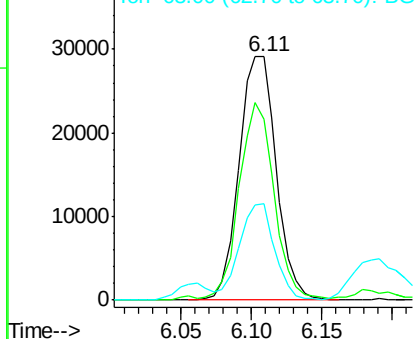
#5

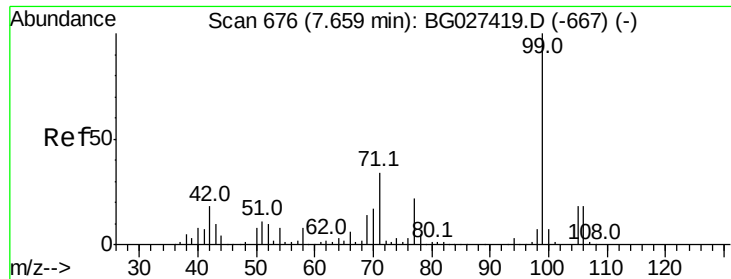
2-Fluorophenol
Concen: 20.95 ng
RT: 6.11 min Scan# 412
Delta R.T. 0.00 min
Lab File: BG027464.D
Acq: 16 Jun 2017 5:36

Tgt Ion:112 Resp: 53626
Ion Ratio Lower Upper
112 100
64 74.1 61.8 92.6
63 39.5 37.2 55.8



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: 15.08 ng

RT: 7.65 min Scan# 675

Delta R.T. -0.01 min

Lab File: BG027464.D

Acq: 16 Jun 2017 5:36

Instrument :

BNA_G

ClientSampleId :

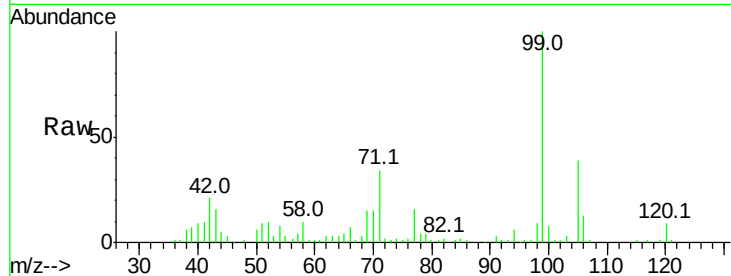
Tot Ion: 99 Resp: 59330

Ion Ratio Lower Upper

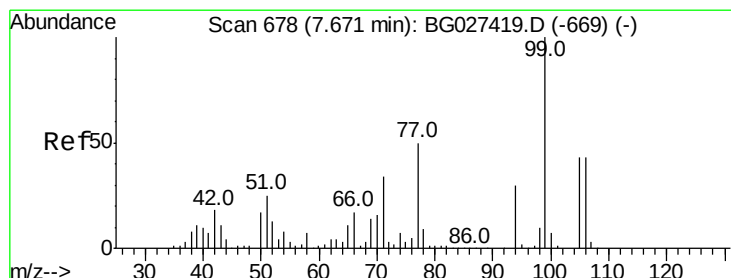
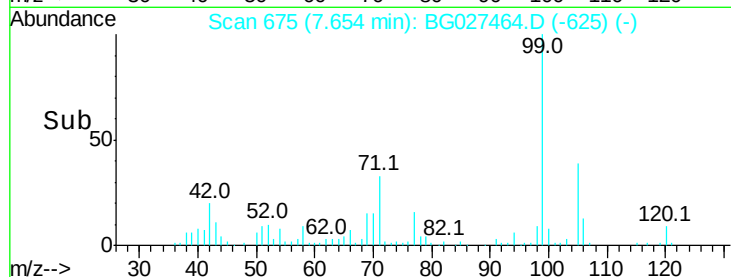
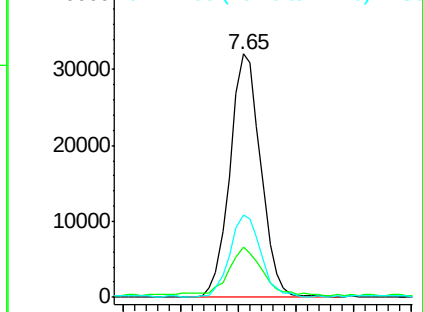
99 100

42 20.8 20.5 30.7

71 33.7 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



#9

Benzaldehyde

Concen: 5.15 ng

RT: 7.67 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG027464.D

Acq: 16 Jun 2017 5:36

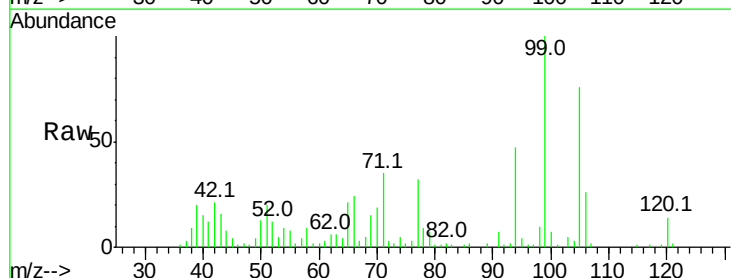
Tgt Ion: 77 Resp: 13662

Ion Ratio Lower Upper

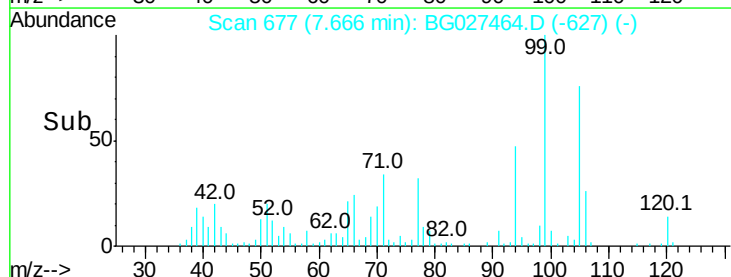
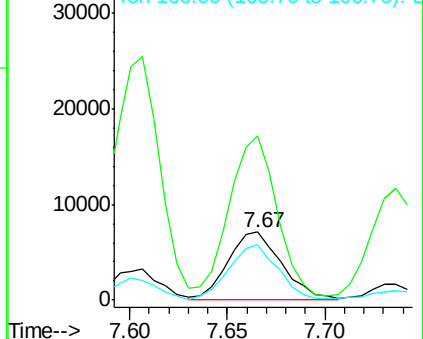
77 100

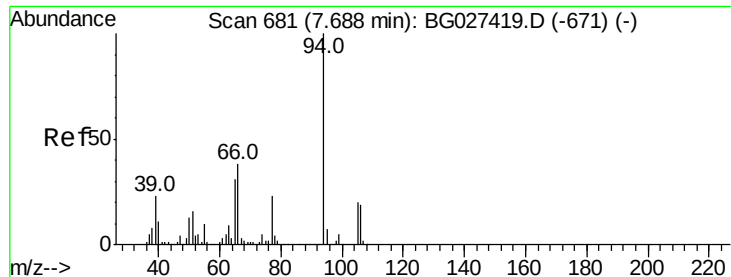
105 241.7 60.9 100.9#

106 80.9 55.1 95.1



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC





#10

Phenol

Concen: 14.22 ng

RT: 7.68 min Scan# 680

Delta R.T. -0.01 min

Lab File: BG027464.D

Acq: 16 Jun 2017 5:36

Instrument :

BNA_G

ClientSampleId :

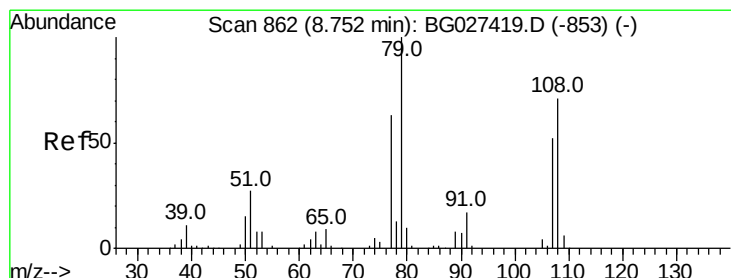
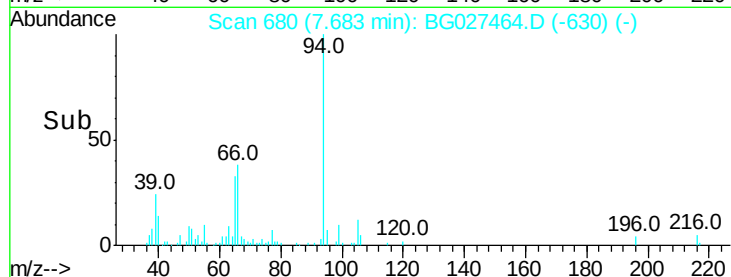
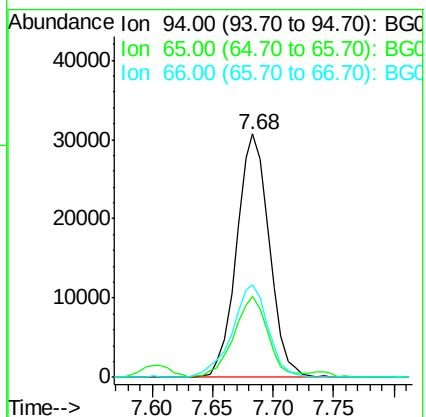
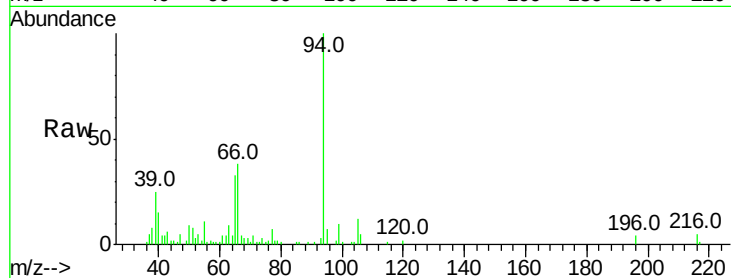
Tot Ion: 94 Resp: 57682

Ion Ratio Lower Upper

94 100

65 33.3 20.6 60.6

66 38.1 35.5 75.5



#15

Benzyl Alcohol

Concen: 8.36 ng

RT: 8.75 min Scan# 861

Delta R.T. -0.01 min

Lab File: BG027464.D

Acq: 16 Jun 2017 5:36

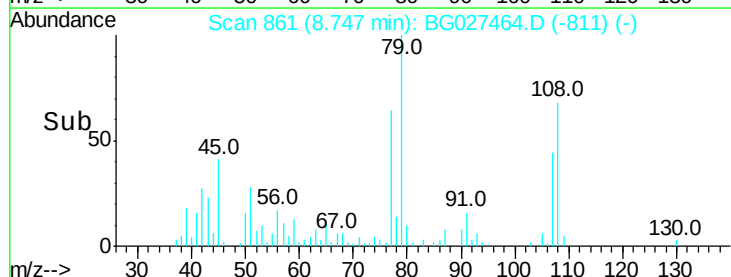
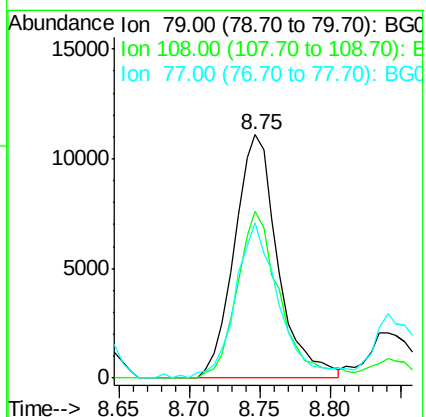
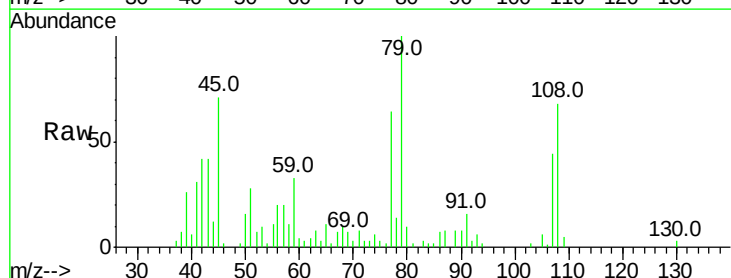
Tgt Ion: 79 Resp: 23813

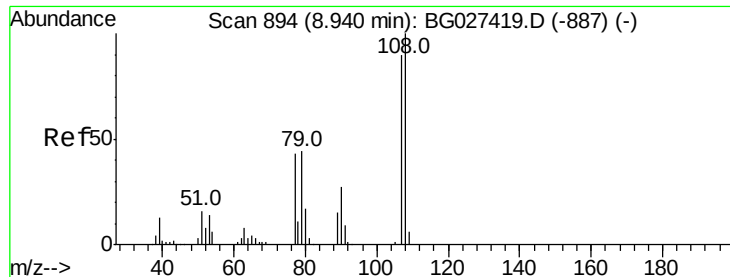
Ion Ratio Lower Upper

79 100

108 68.5 45.5 68.3#

77 63.5 54.3 81.5





#17

2-Methylphenol

Concen: 2.54 ng

RT: 8.94 min Scan# 894

Delta R.T. 0.00 min

Lab File: BG027464.D

Acq: 16 Jun 2017 5:36

Instrument :

BNA_G

ClientSampleId :

Tot Ion:107 Resp: 6949

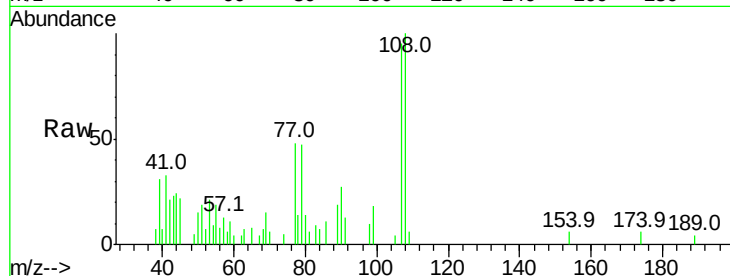
Ion Ratio Lower Upper

107 100

108 105.6 85.6 128.4

77 50.6 51.4 77.2#

79 49.5 49.2 73.8

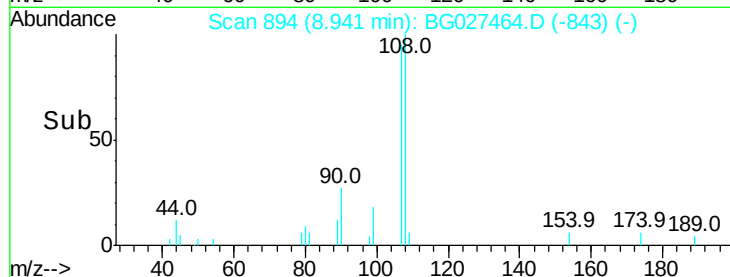


Abundance Ion 107.00 (106.70 to 107.70): E

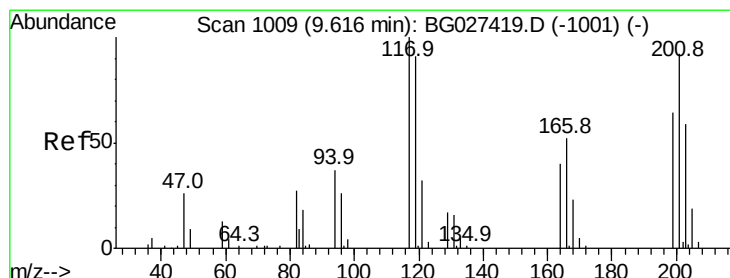
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



Time-->



#18

Hexachloroethane

Concen: 19.18 ng

RT: 9.62 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BG027464.D

Acq: 16 Jun 2017 5:36

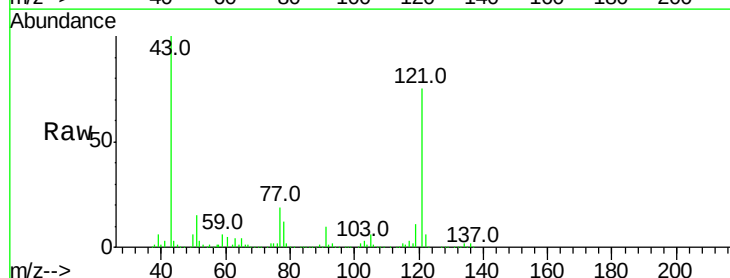
Tgt Ion:117 Resp: 20598

Ion Ratio Lower Upper

117 100

119 377.6 69.8 104.6#

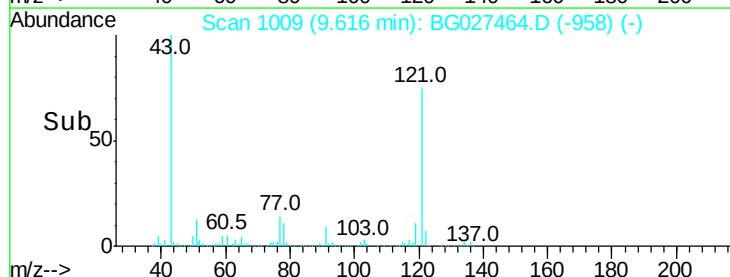
201 0.0 95.4 143.0#



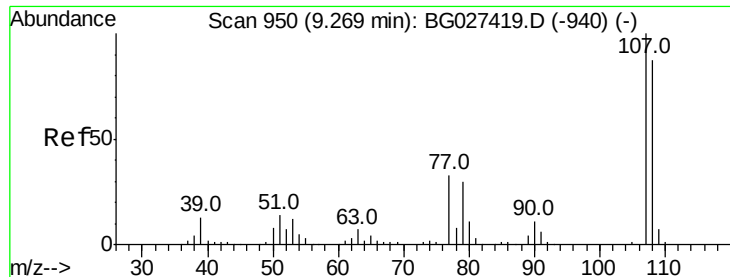
Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



Time-->



#20

3+4-Methylphenols

Concen: 7.58 ng

RT: 9.26 min Scan# 949

Delta R.T. -0.01 min

Lab File: BG027464.D

Acq: 16 Jun 2017 5:36

Instrument :

BNA_G

ClientSampleId :

Tot Ion:107 Resp: 29868

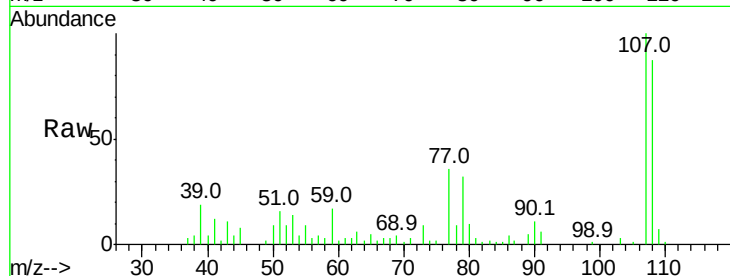
Ion Ratio Lower Upper

107 100

108 86.7 70.8 110.8

77 35.8 25.8 65.8

79 32.2 20.1 60.1

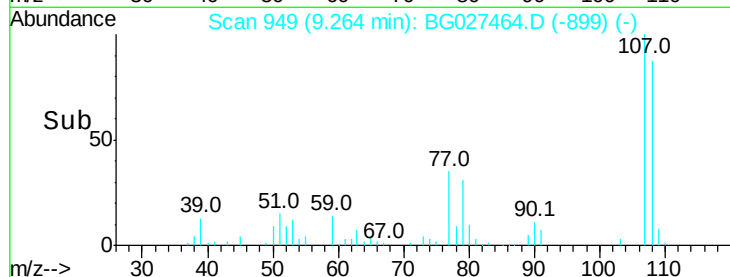


Abundance Ion 107.00 (106.70 to 107.70): E

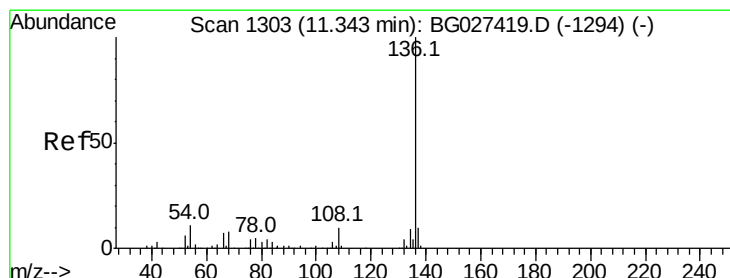
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.34 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BG027464.D

Acq: 16 Jun 2017 5:36

Tgt Ion:136 Resp: 179059

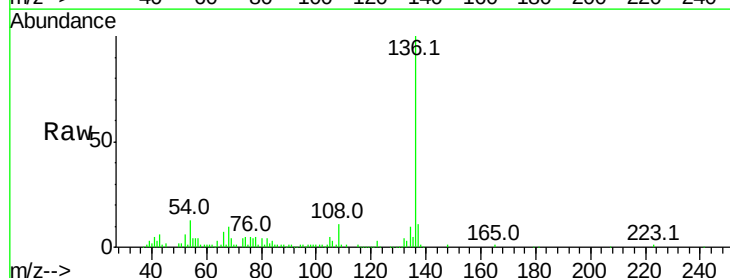
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 12.6 9.3 13.9

68 9.9 5.1 7.7#

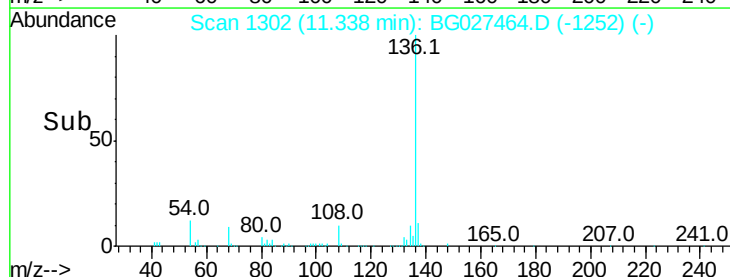


Abundance Ion 136.00 (135.70 to 136.70): E

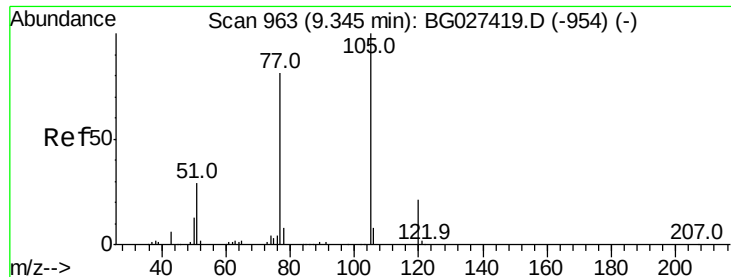
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



Time-->



#22

Acetophenone

Concen: 28.02 ng

RT: 9.33 min Scan# 961

Delta R.T. -0.01 min

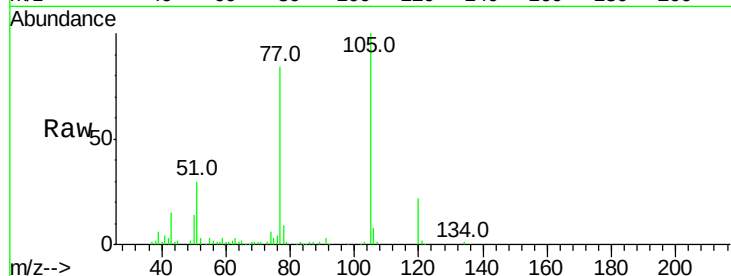
Lab File: BG027464.D

Acq: 16 Jun 2017 5:36

Instrument :

BNA_G

ClientSampleId :



Tot Ion:105 Resp: 134614

Ion Ratio Lower Upper

105 100

71 0.9 0.9 1.3#

51 30.1 34.0 51.0#

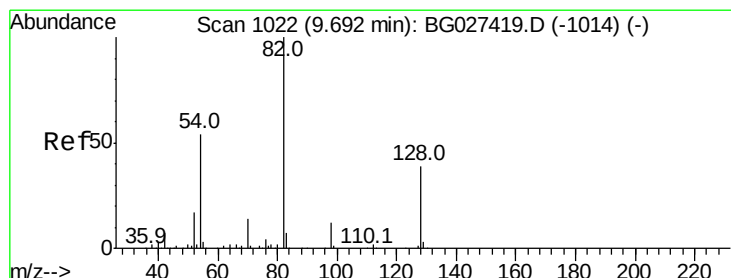
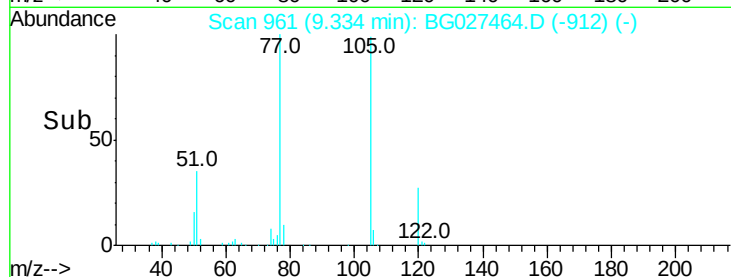
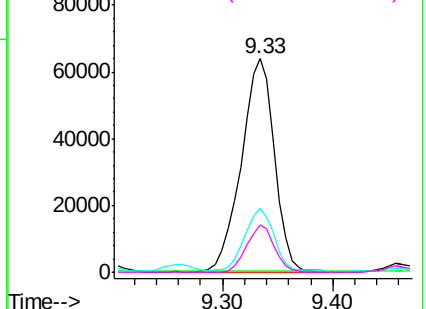
120 22.0 17.3 25.9

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: 72.19 ng

RT: 9.68 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BG027464.D

Acq: 16 Jun 2017 5:36

Tgt Ion: 82 Resp: 253525

Ion Ratio Lower Upper

82 100

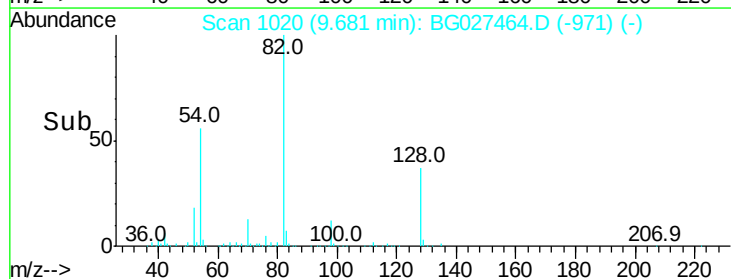
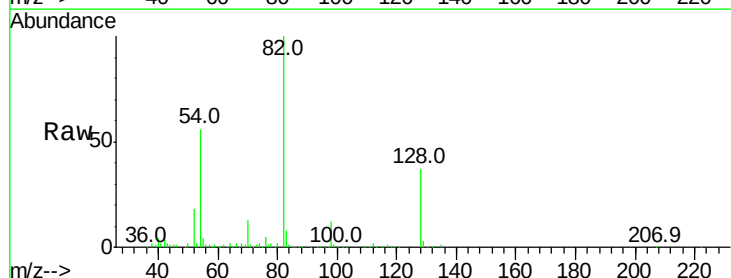
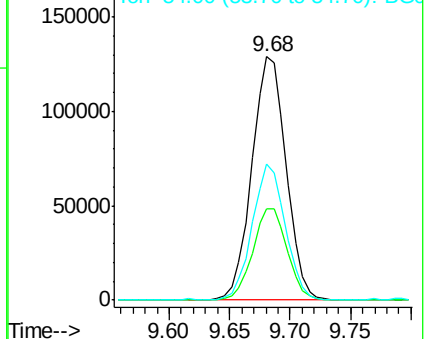
128 37.5 26.4 39.6

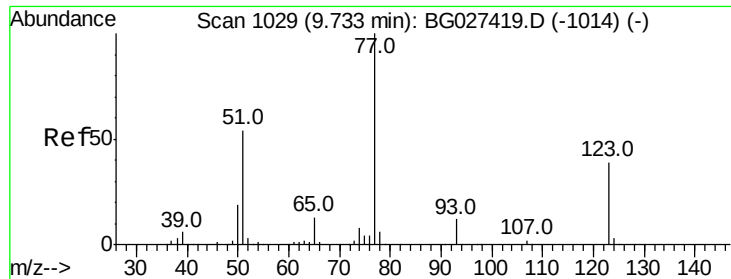
54 55.6 49.4 74.2

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

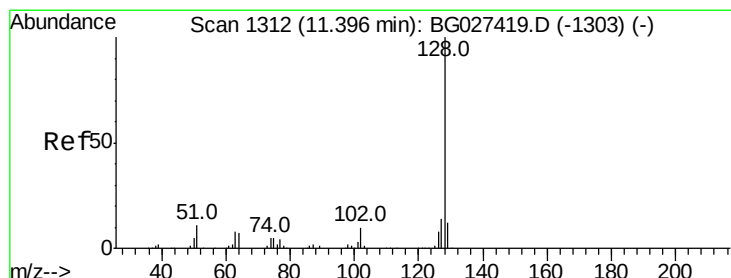
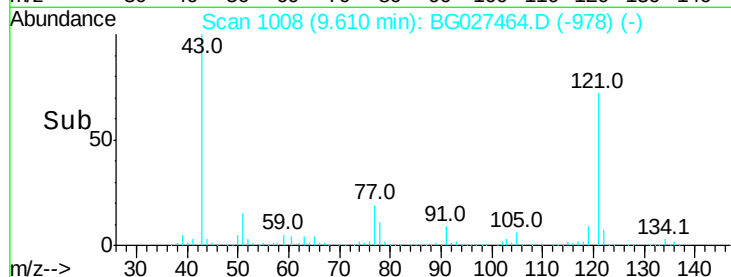
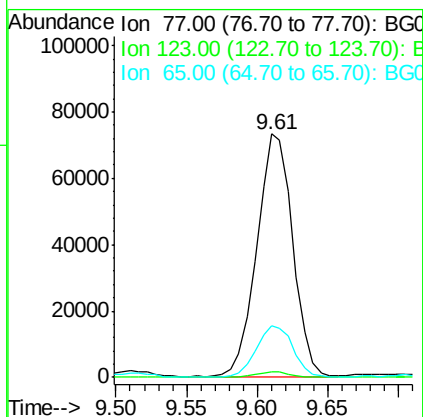
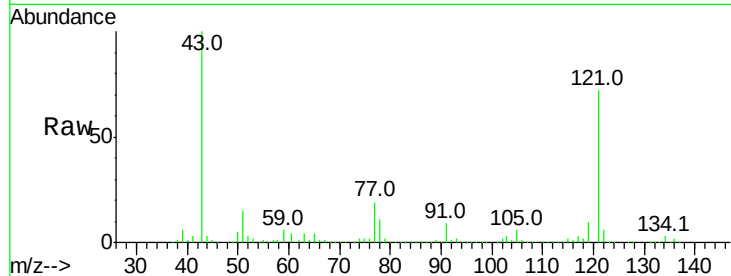




#24
Nitrobenzene
Concen: 33.55 ng
RT: 9.61 min Scan# 1008
Delta R.T. -0.12 min
Lab File: BG027464.D
Acq: 16 Jun 2017 5:36

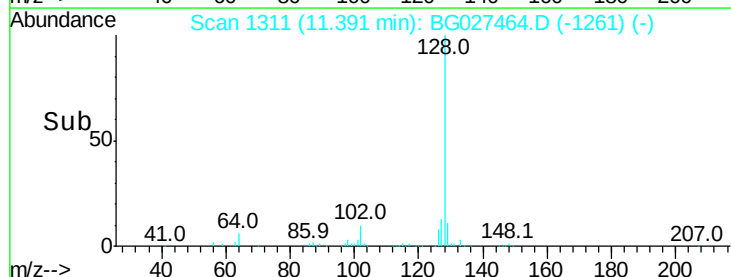
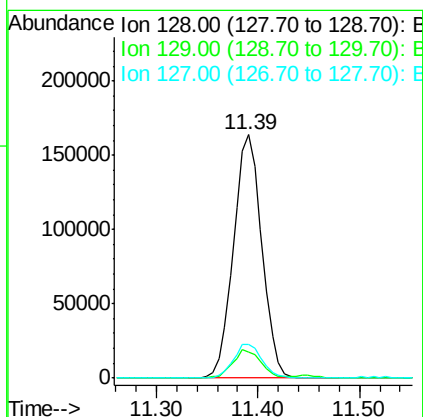
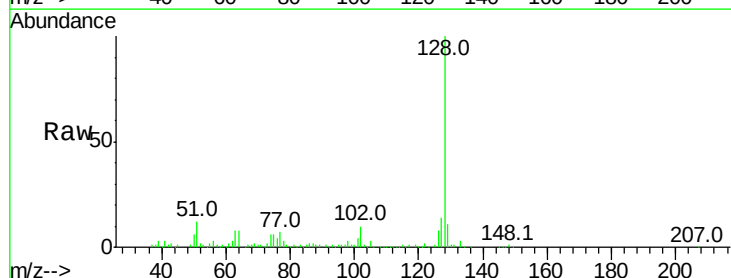
Instrument :
BNA_G
ClientSampleId :

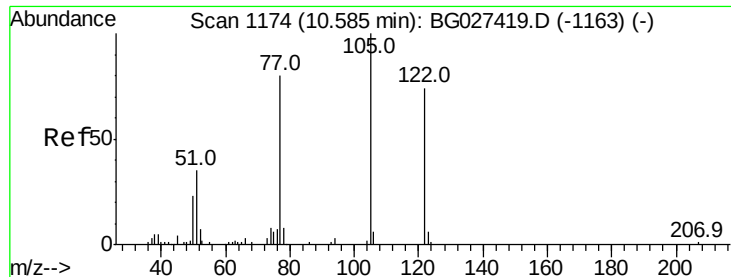
Tot Ion	Ratio	Lower	Upper
77	100		
123	2.1	26.1	39.1#
65	21.4	12.4	18.6#



#31
Naphthalene
Concen: 32.38 ng
RT: 11.39 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BG027464.D
Acq: 16 Jun 2017 5:36

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.3	13.9
127	13.7	11.4	17.0

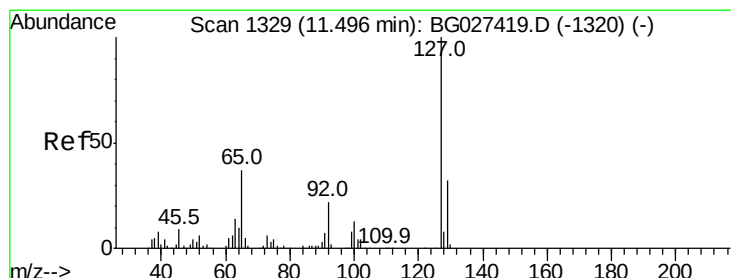
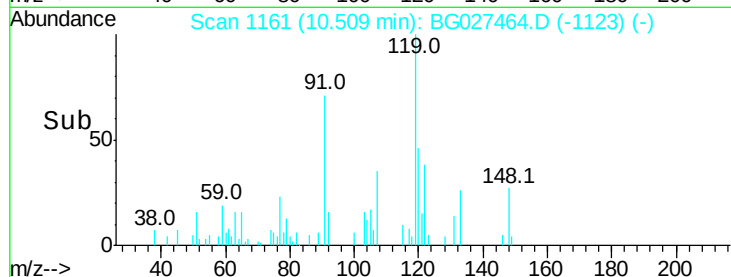
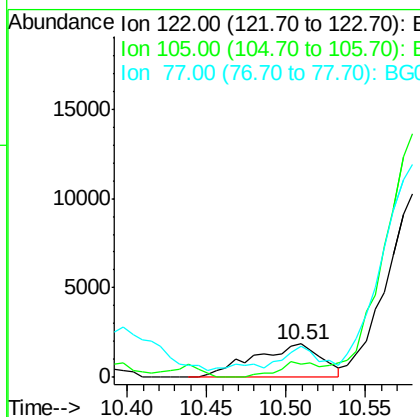
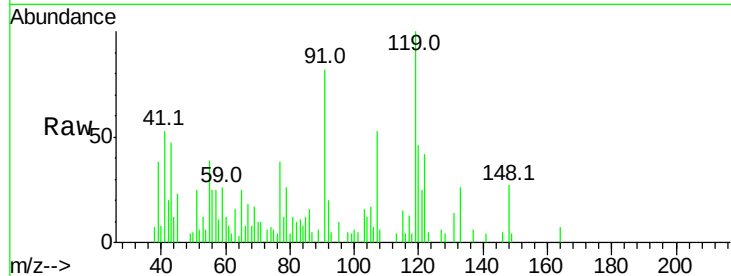




#32
Benzoic acid
Concen: 10.91 ng
RT: 10.51 min Scan# 1161
Delta R.T. -0.08 min
Lab File: BG027464.D
Acq: 16 Jun 2017 5:36

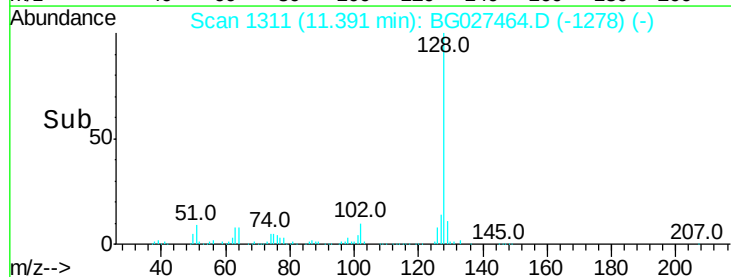
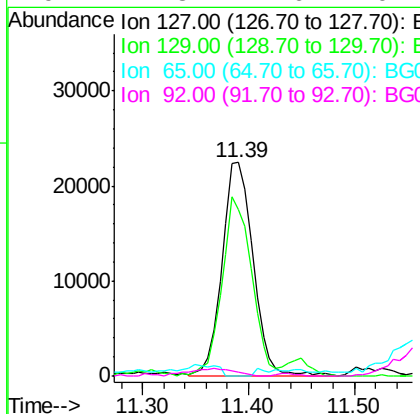
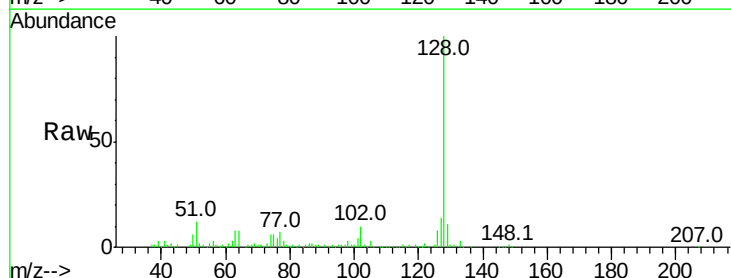
Instrument :
BNA_G
ClientSampleId :

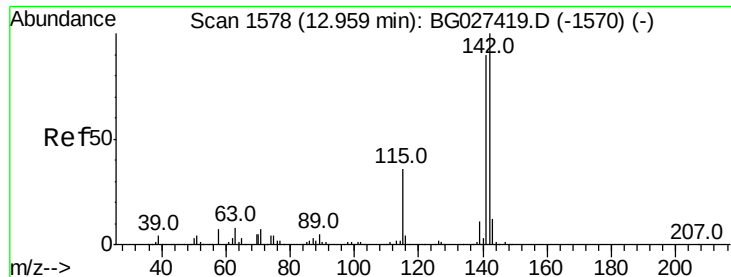
Tot Ion:122 Resp: 5588
Ion Ratio Lower Upper
122 100
105 40.9 120.1 160.1#
77 91.6 104.6 144.6#



#33
4-Chloroaniline
Concen: 11.16 ng
RT: 11.39 min Scan# 1311
Delta R.T. -0.11 min
Lab File: BG027464.D
Acq: 16 Jun 2017 5:36

Tgt Ion:127 Resp: 45996
Ion Ratio Lower Upper
127 100
129 78.0 23.6 35.4#
65 0.0 37.7 56.5#
92 1.8 17.6 26.4#

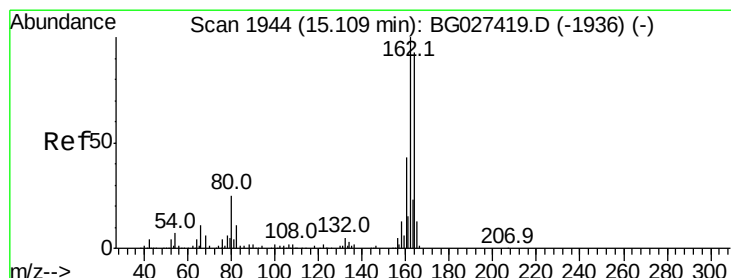
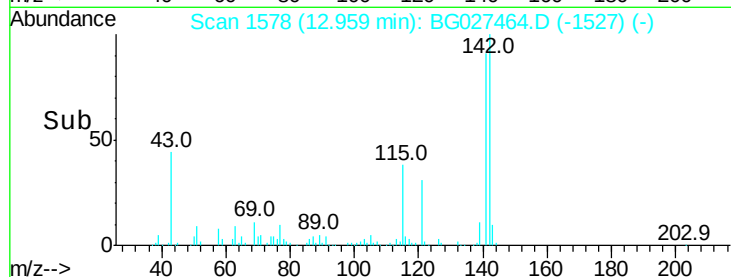
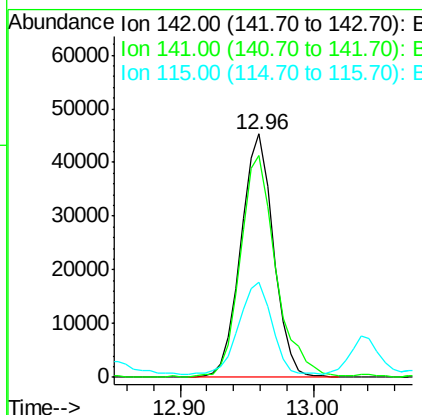
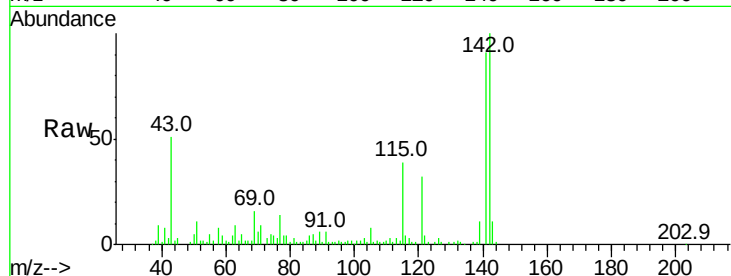




#37
2-Methylnaphthalene
Concen: 10.71 ng
RT: 12.96 min Scan# 1578
Delta R.T. 0.00 min
Lab File: BG027464.D
Acq: 16 Jun 2017 5:36

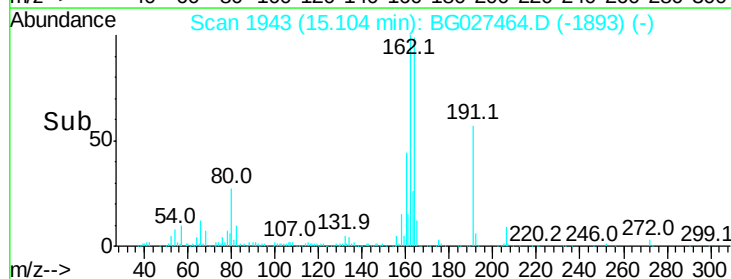
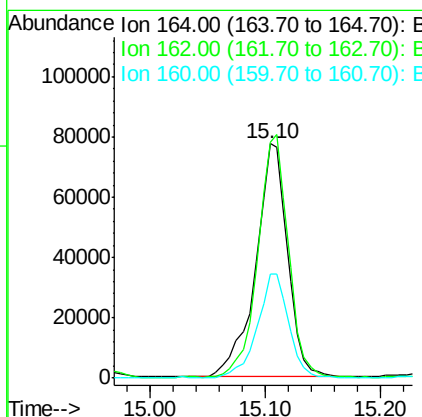
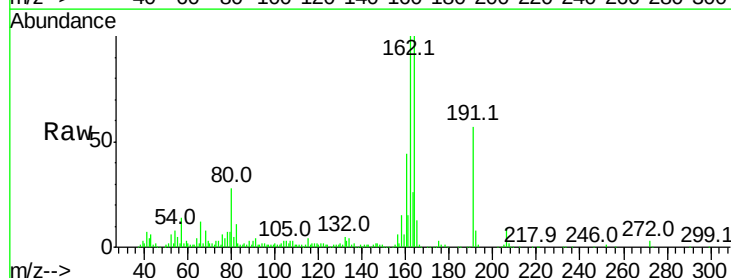
Instrument :
BNA_G
ClientSampled :

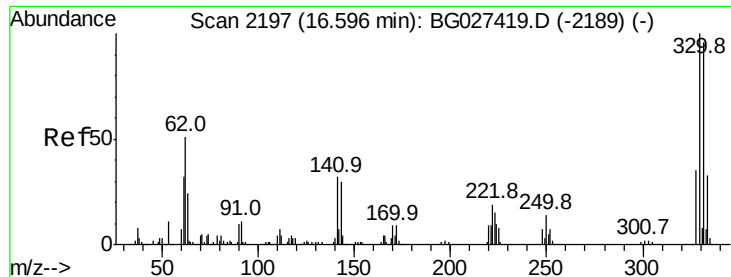
Tot Ion:142 Resp: 76263
Ion Ratio Lower Upper
142 100
141 91.0 70.4 105.6
115 39.3 35.5 53.3



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.10 min Scan# 1943
Delta R.T. -0.01 min
Lab File: BG027464.D
Acq: 16 Jun 2017 5:36

Tgt Ion:164 Resp: 149390
Ion Ratio Lower Upper
164 100
162 100.5 85.1 127.7
160 44.3 34.7 52.1

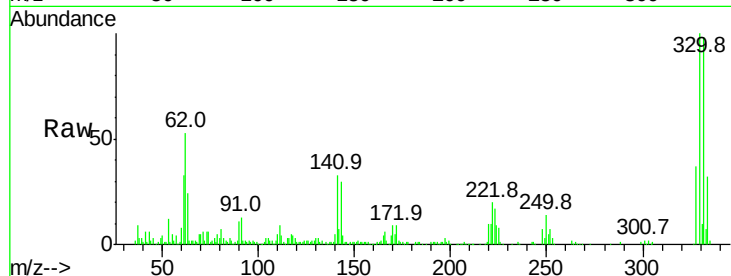




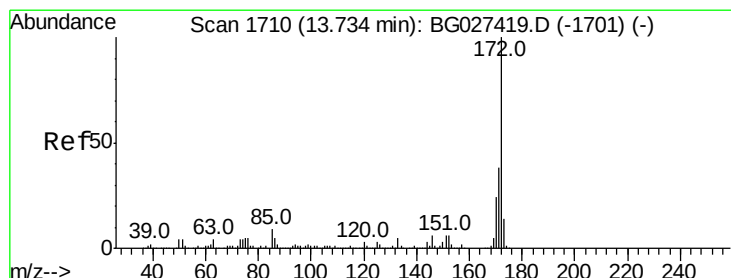
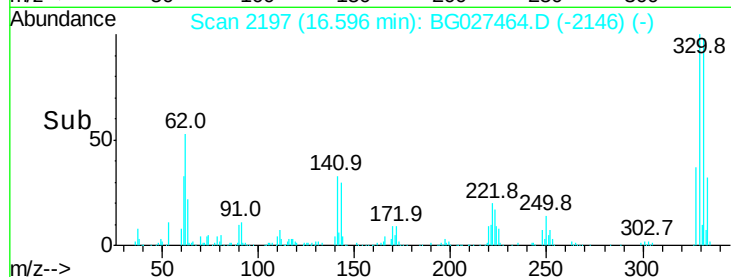
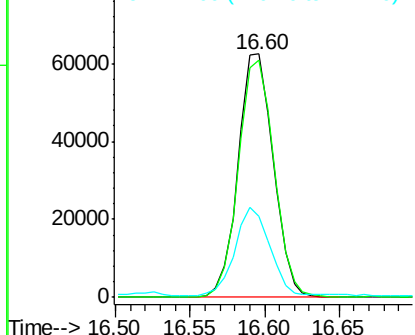
#41
 2,4,6-Tribromophenol
 Concen: 45.57 ng
 RT: 16.60 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: BG027464.D
 Acq: 16 Jun 2017 5:36

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.4	77.3	115.9
141	36.3	32.1	48.1

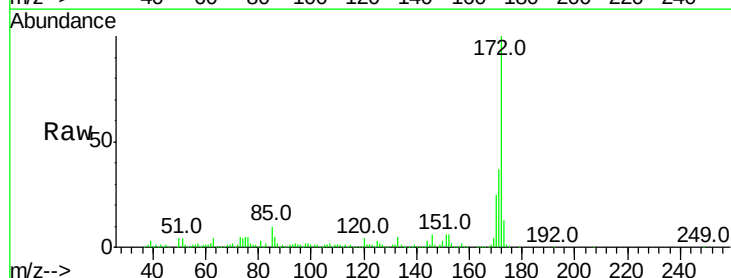


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

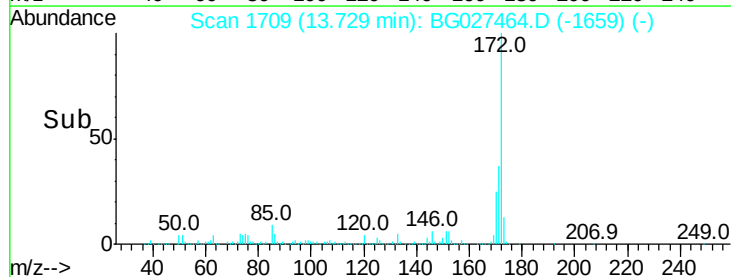
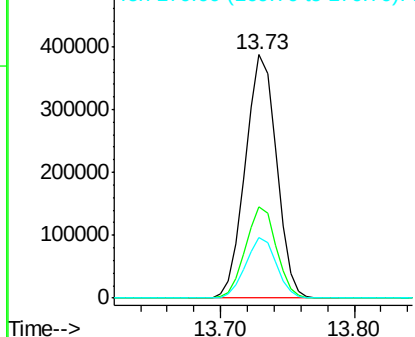


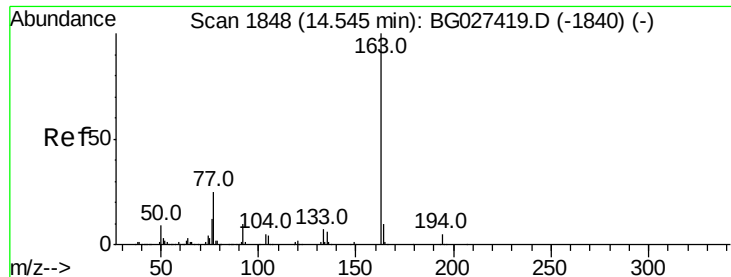
#44
 2-Fluorobiphenyl
 Concen: 60.19 ng
 RT: 13.73 min Scan# 1709
 Delta R.T. -0.01 min
 Lab File: BG027464.D
 Acq: 16 Jun 2017 5:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	32.2	48.2
170	24.7	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





#49

Dimethylphthalate

Concen: 4.38 ng

RT: 14.55 min Scan# 1848

Delta R.T. 0.00 min

Lab File: BG027464.D

Acq: 16 Jun 2017 5:36

Instrument :

BNA_G

ClientSampleId :

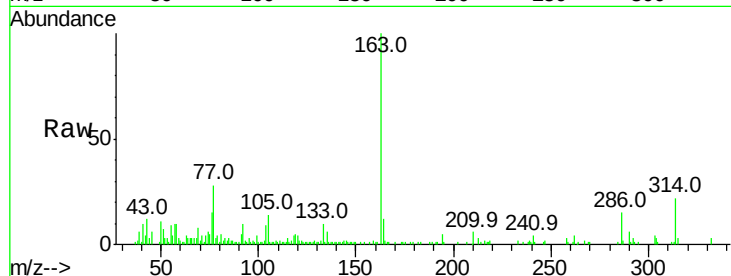
Tot Ion:163 Resp: 54312

Ion Ratio Lower Upper

163 100

194 4.9 3.8 5.6

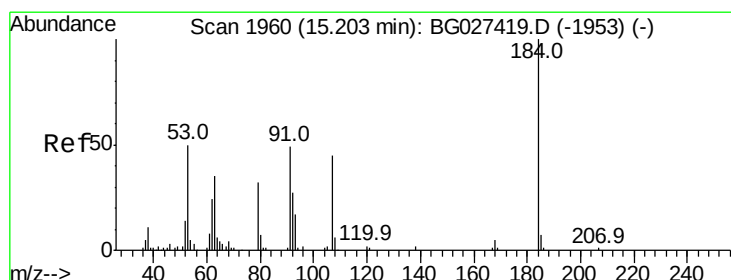
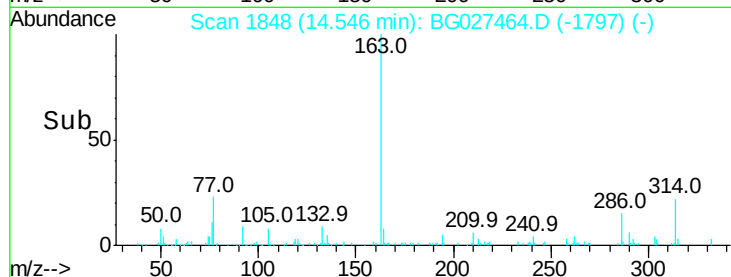
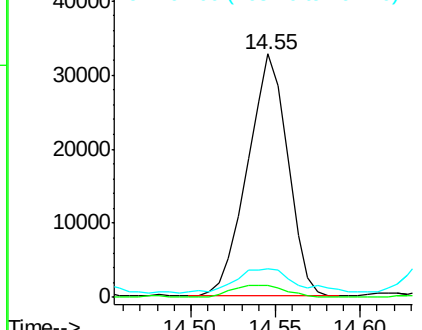
164 11.8 9.3 13.9



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#53

2,4-Dinitrophenol

Concen: 5.61 ng

RT: 15.17 min Scan# 1955

Delta R.T. -0.03 min

Lab File: BG027464.D

Acq: 16 Jun 2017 5:36

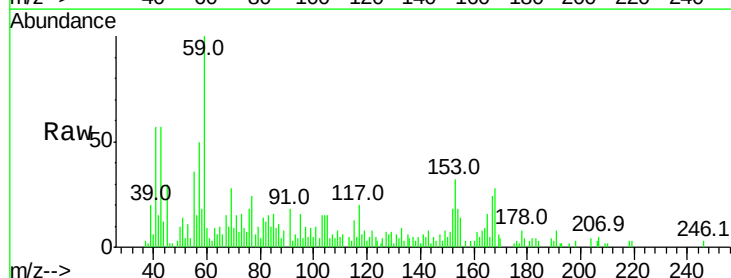
Tgt Ion:184 Resp: 144

Ion Ratio Lower Upper

184 100

63 335.3 52.7 79.1#

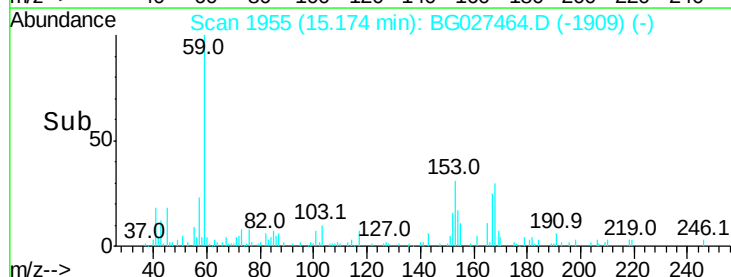
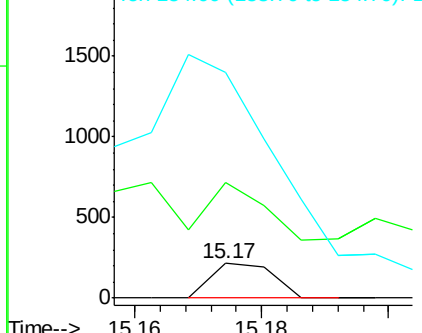
154 649.3 57.3 85.9#

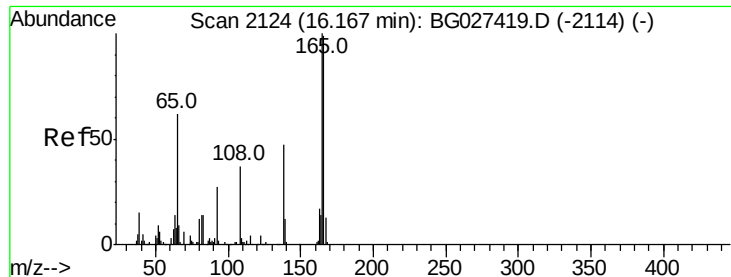


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E





#61

4-Nitroaniline

Concen: 3.07 ng

RT: 16.13 min Scan# 2117

Delta R.T. -0.04 min

Lab File: BG027464.D

Acq: 16 Jun 2017 5:36

Instrument :

BNA_G

ClientSampled :

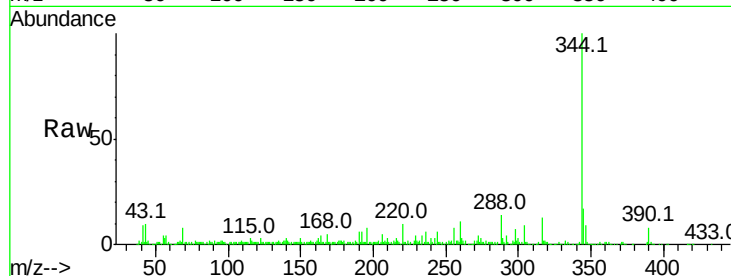
Tot Ion:138 Resp: 8874

Ion Ratio Lower Upper

138 100

92 31.5 44.2 84.2#

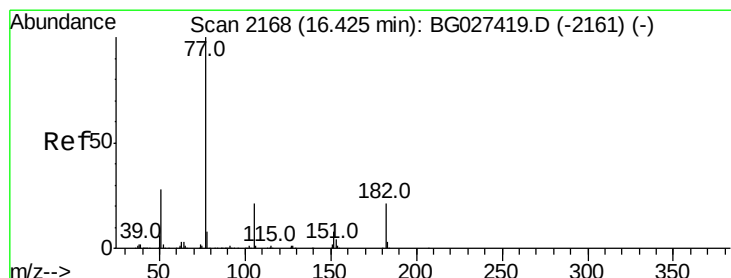
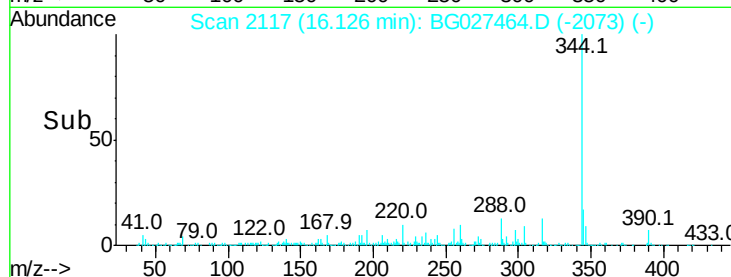
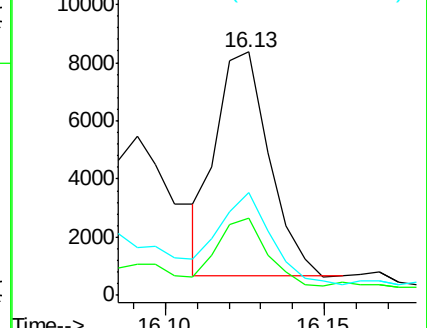
108 42.5 104.8 144.8#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 13.94 ng

RT: 16.45 min Scan# 2172

Delta R.T. 0.02 min

Lab File: BG027464.D

Acq: 16 Jun 2017 5:36

Tgt Ion: 77 Resp: 183005

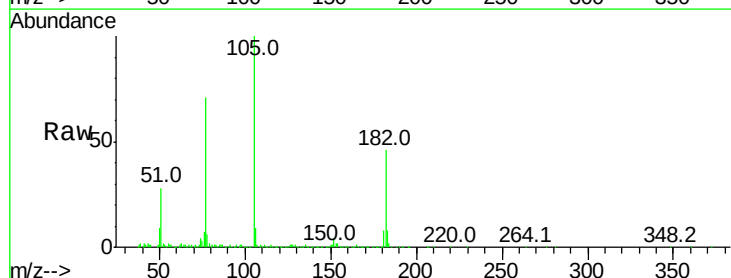
Ion Ratio Lower Upper

77 100

182 65.7 4.7 44.7#

105 141.4 0.0 36.3#

51 39.8 16.4 56.4

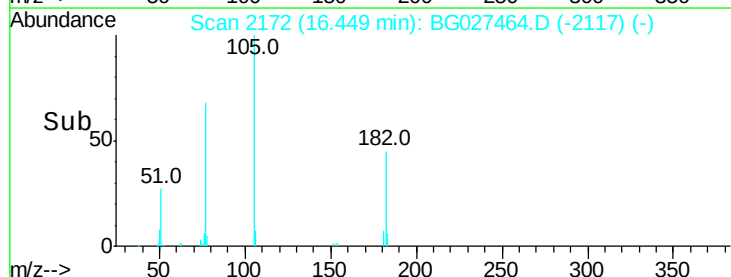
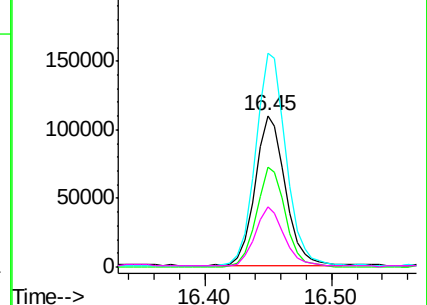


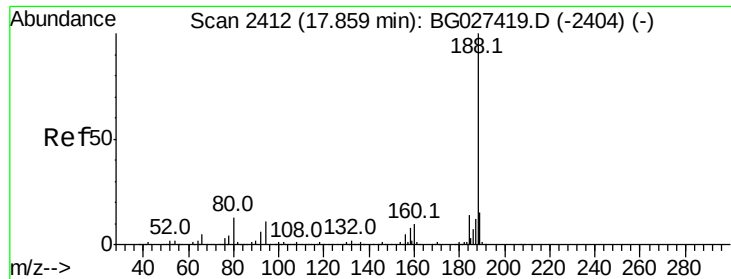
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BGC

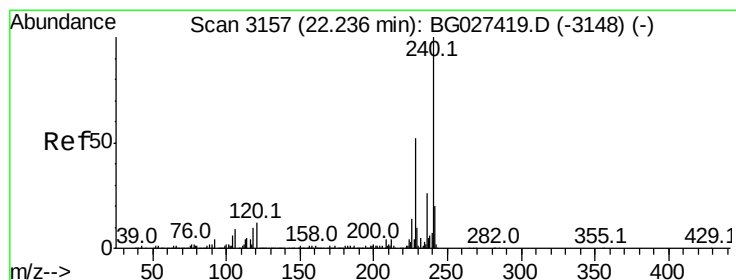
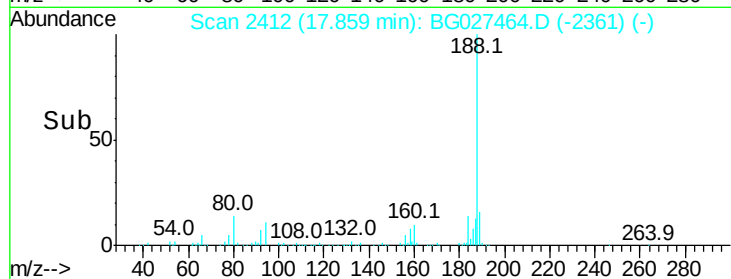
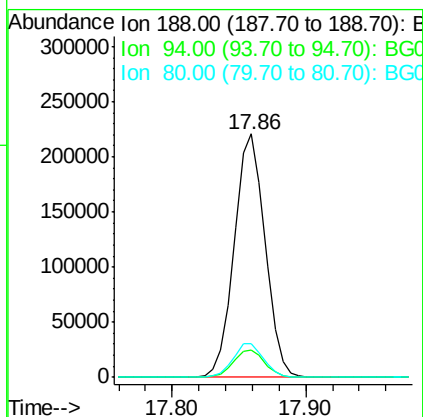
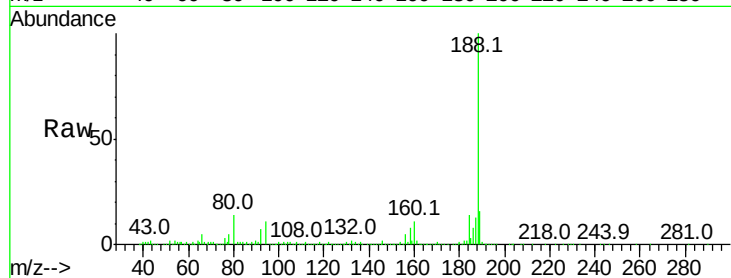




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.86 min Scan# 2412
Delta R.T. 0.00 min
Lab File: BG027464.D
Acq: 16 Jun 2017 5:36

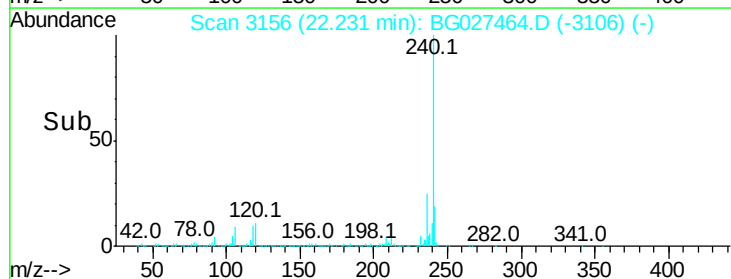
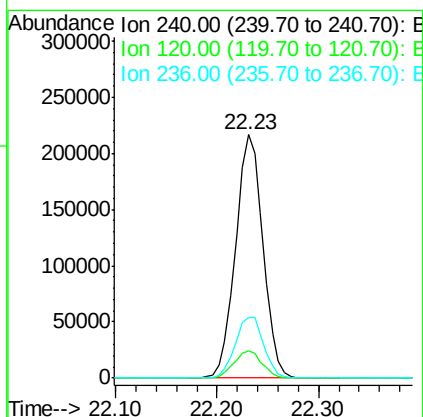
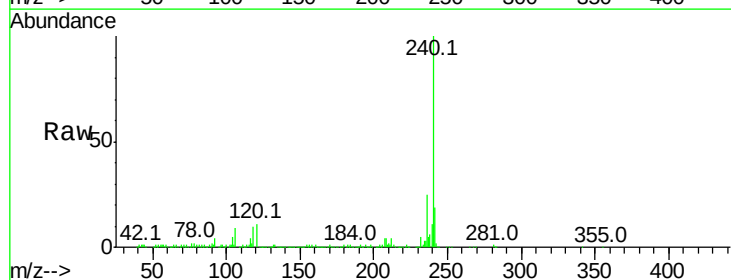
Instrument :
BNA_G
ClientSampleId :

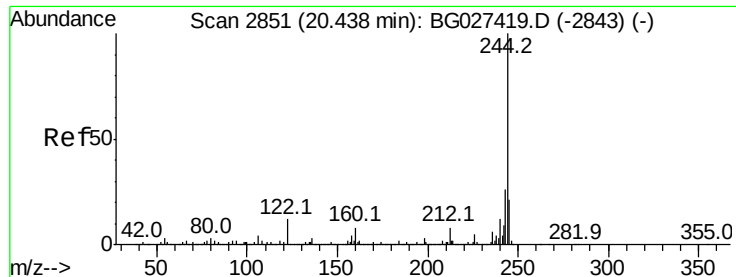
Tot Ion:188 Resp: 353493
Ion Ratio Lower Upper
188 100
94 11.1 5.8 8.8#
80 14.1 7.5 11.3#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 22.23 min Scan# 3156
Delta R.T. -0.01 min
Lab File: BG027464.D
Acq: 16 Jun 2017 5:36

Tgt Ion:240 Resp: 404909
Ion Ratio Lower Upper
240 100
120 11.1 5.7 8.5#
236 25.1 22.2 33.4





#78

Terphenyl-d14

Concen: 71.66 ng

RT: 20.43 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BG027464.D

Acq: 16 Jun 2017 5:36

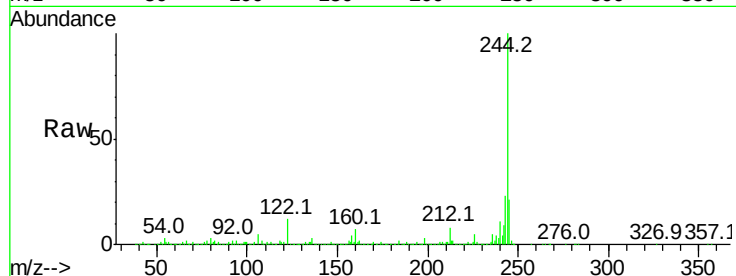
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1132149

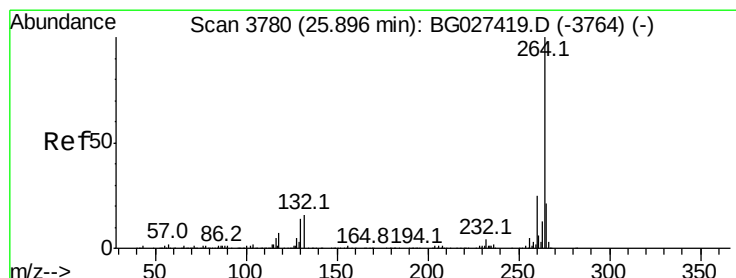
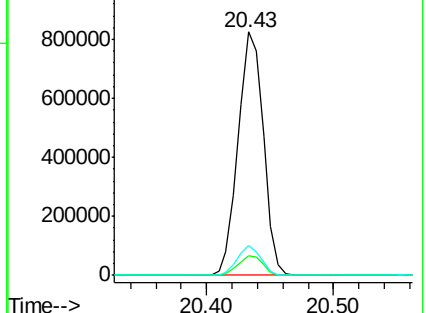
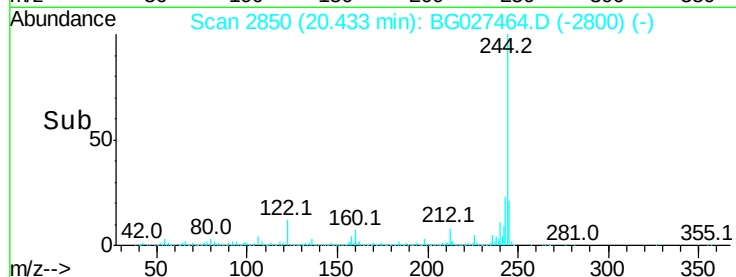
Ion	Ratio	Lower	Upper
244	100		
212	7.9	10.0	15.0#
122	12.2	8.6	12.8



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

Perylene-d12

Concen: 20.00 ng

RT: 25.89 min Scan# 3778

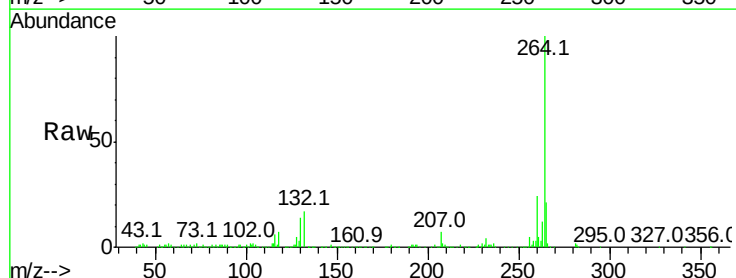
Delta R.T. -0.01 min

Lab File: BG027464.D

Acq: 16 Jun 2017 5:36

Tgt Ion:264 Resp: 397964

Ion	Ratio	Lower	Upper
264	100		
260	24.3	21.8	32.8
265	21.2	18.2	27.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

