

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG111117\
 Data File : BG030933.D
 Acq On : 11 Nov 2017 8:22
 Operator : SJ/JU
 Sample : I6407-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FM1034

Quant Time: Nov 13 03:40:25 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 10 15:38:25 2017
 Response via : Initial Calibration

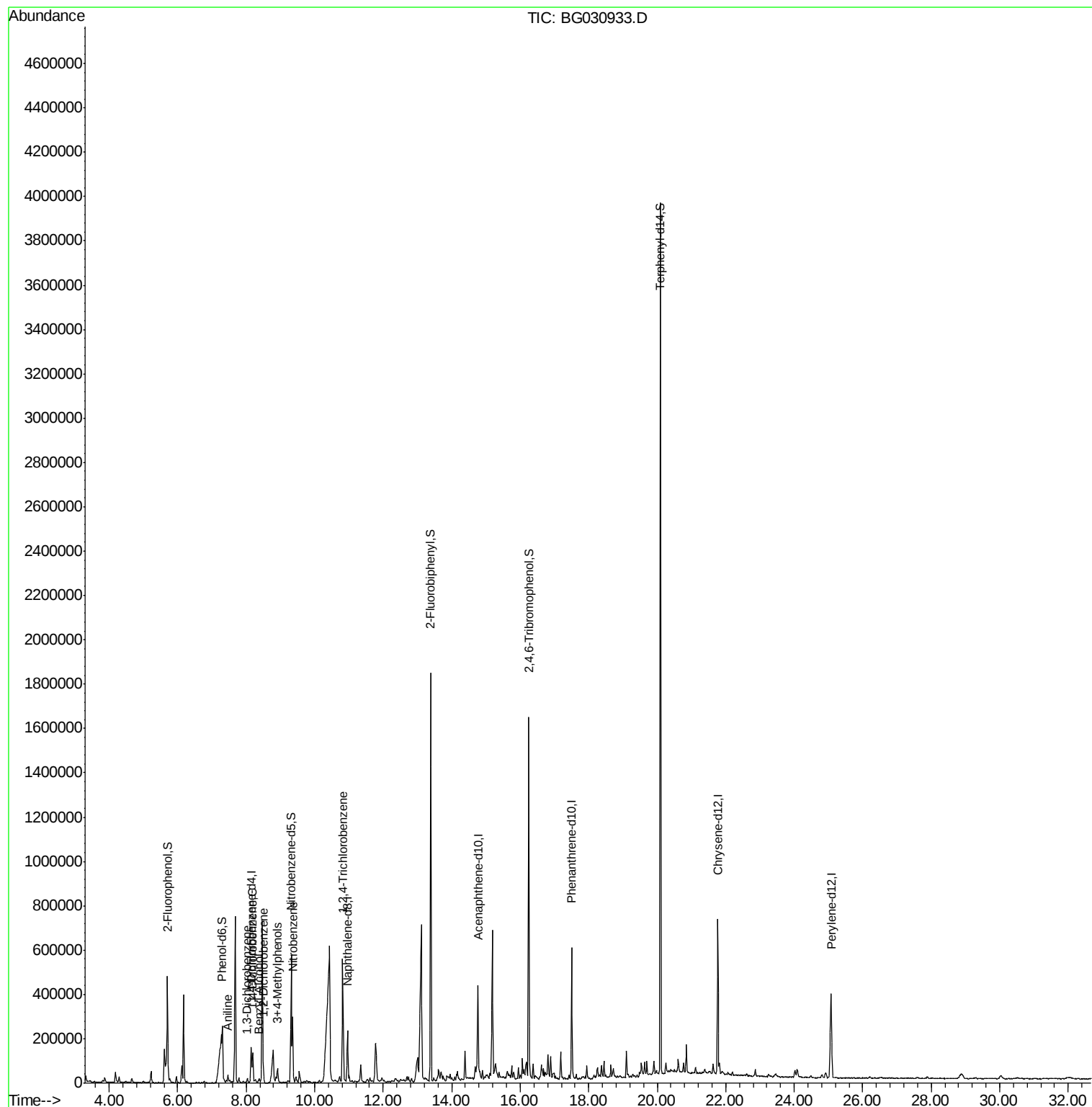
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	45611	20.00	ng	-0.01
21) Naphthalene-d8	10.96	136	204985	20.00	ng	-0.01
38) Acenaphthene-d10	14.76	164	141645	20.00	ng	-0.02
63) Phenanthrene-d10	17.50	188	365617	20.00	ng	-0.01
75) Chrysene-d12	21.77	240	440430	20.00	ng	-0.01
86) Perylene-d12	25.08	264	432299	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	185018	69.56	ng	0.00
7) Phenol-d6	7.31	99	149726	41.78	ng	0.00
23) Nitrobenzene-d5	9.31	82	356880	103.17	ng	-0.01
41) 2,4,6-Tribromophenol	16.25	330	371506	162.13	ng	0.00
44) 2-Fluorobiphenyl	13.39	172	1013367	102.80	ng	-0.01
78) Terphenyl-d14	20.09	244	1903866	95.45	ng	0.00
Target Compounds						
6) Aniline	7.47	93	29524	6.260	ng	Qvalue # 89
12) 1,3-Dichlorobenzene	8.03	146	8474	2.461	ng	89
13) 1,4-Dichlorobenzene	8.18	146	39002	11.176	ng	96
14) 1,2-Dichlorobenzene	8.50	146	22531	6.726	ng	94
15) Benzyl Alcohol	8.38	79	7422	2.582	ng	92
20) 3+4-Methylphenols	8.91	107	24804	6.731	ng	96
24) Nitrobenzene	9.35	77	165988	46.973	ng	91
30) 1,2,4-Trichlorobenzene	10.82	180	217148	55.391	ng	97

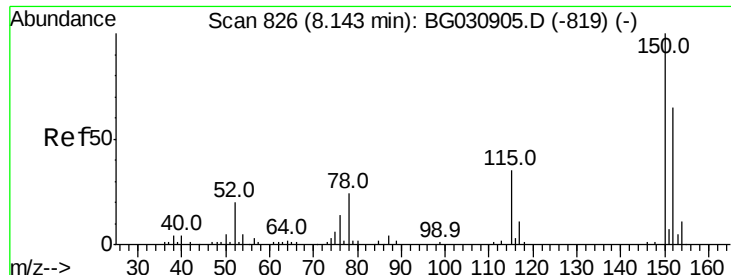
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG111117\
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QLast Update : Fri Nov 10 15:38:25 2017
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.14 min Scan# 826

Delta R.T. -0.01 min

Lab File: BG030933.D

Acq: 11 Nov 2017 8:22

Instrument :

BNA_G

ClientSampleId :

FM1034

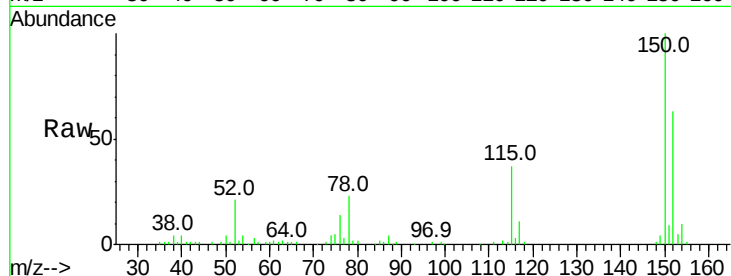
Tot Ion:152 Resp: 45611

Ion Ratio Lower Upper

152 100

150 159.5 126.6 189.8

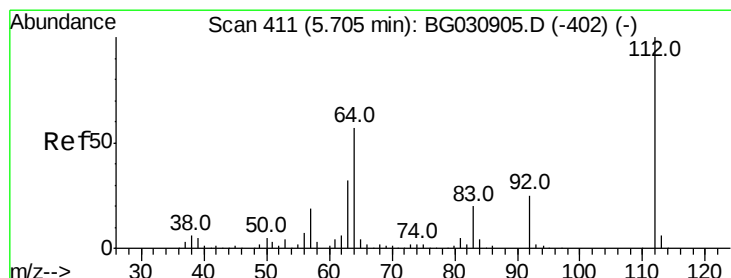
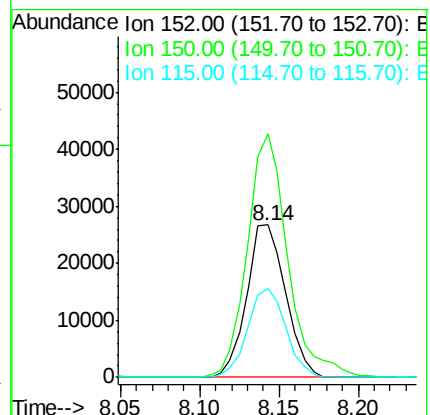
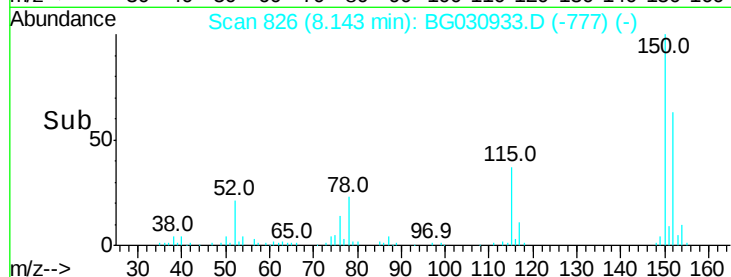
115 58.5 53.0 79.4



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: 69.558 ng

RT: 5.70 min Scan# 411

Delta R.T. -0.00 min

Lab File: BG030933.D

Acq: 11 Nov 2017 8:22

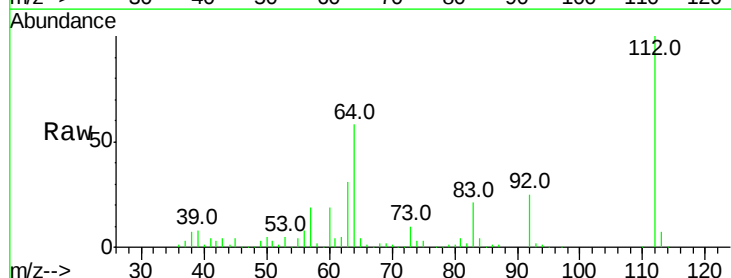
Tgt Ion:112 Resp: 185018

Ion Ratio Lower Upper

112 100

64 57.7 56.3 84.5

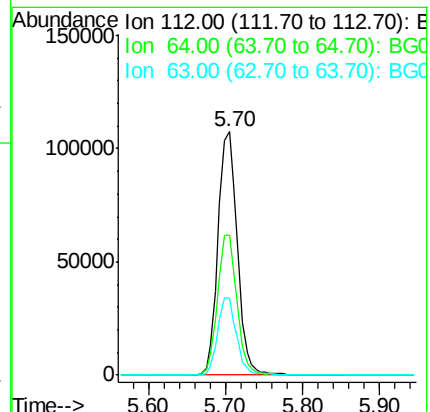
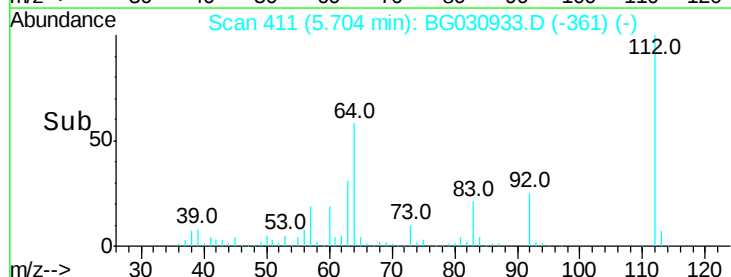
63 31.5 30.1 45.1

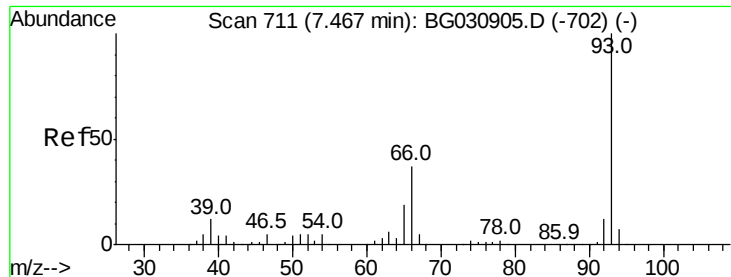


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#6

Aniline

Concen: 6.260 ng

RT: 7.47 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG030933.D

Acq: 11 Nov 2017 8:22

Instrument :

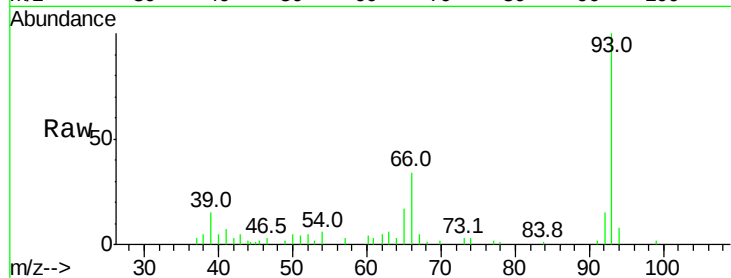
BNA_G

ClientSampleId :

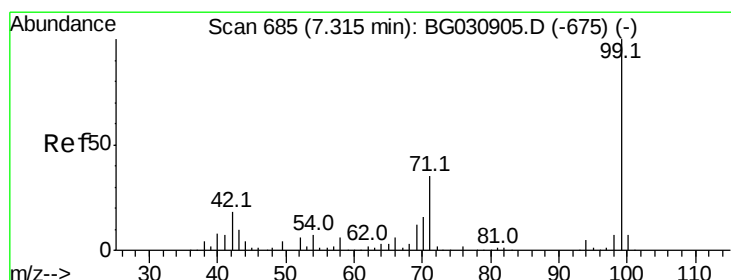
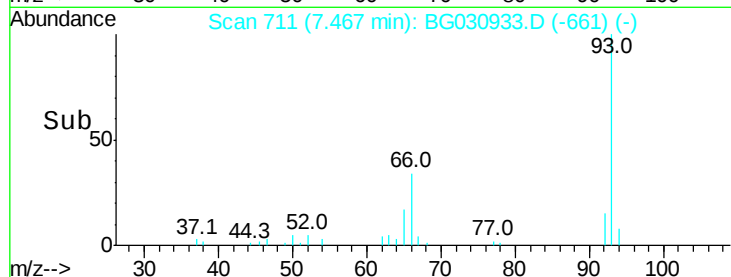
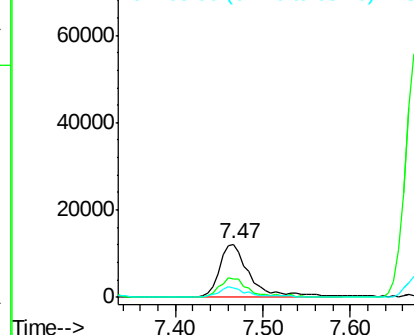
FM1034

Tot Ion: 93 Resp: 29524

Ion	Ratio	Lower	Upper
93	100		
66	33.6	33.7	50.5#
65	17.2	16.1	24.1



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 66.00 (65.70 to 66.70): BGC
Ion 65.00 (64.70 to 65.70): BGC



#7

Phenol-d6

Concen: 41.782 ng

RT: 7.31 min Scan# 684

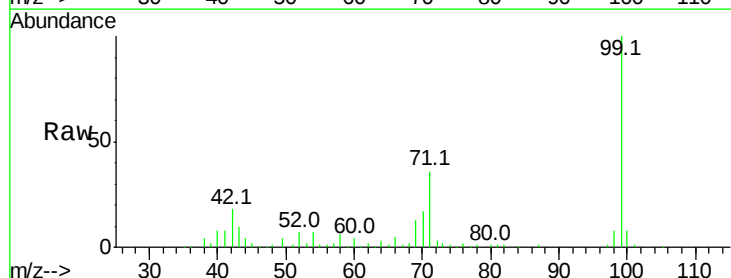
Delta R.T. 0.00 min

Lab File: BG030933.D

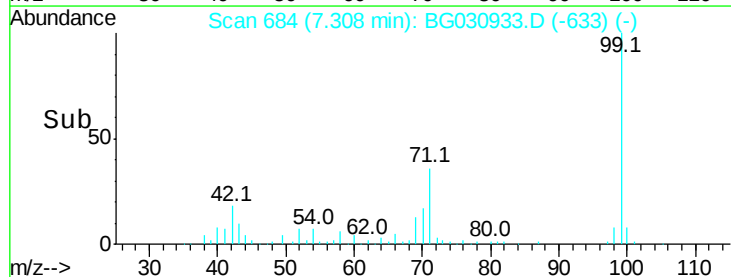
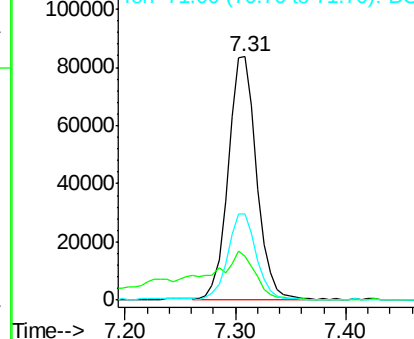
Acq: 11 Nov 2017 8:22

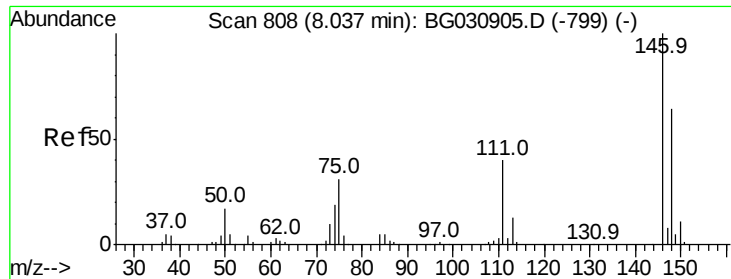
Tgt Ion: 99 Resp: 149726

Ion	Ratio	Lower	Upper
99	100		
42	17.9	14.1	21.1
71	35.5	26.1	39.1



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

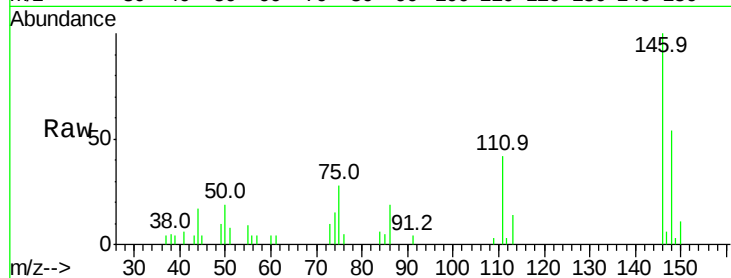




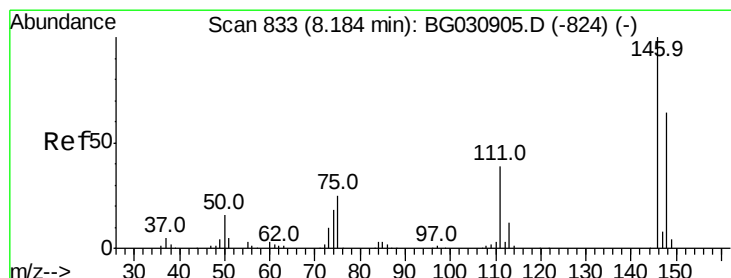
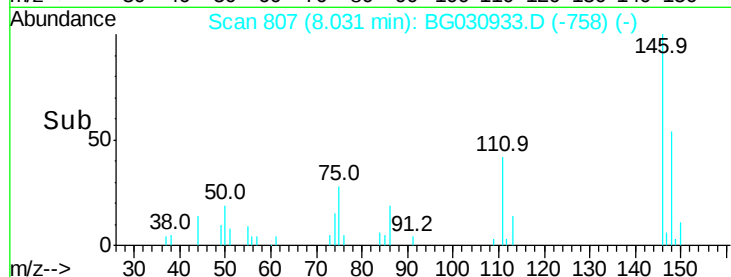
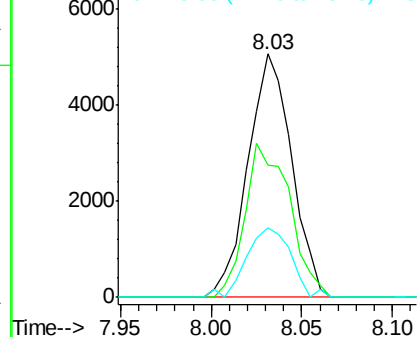
#12
 1,3-Dichlorobenzene
 Concen: 2.461 ng
 RT: 8.03 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BG030933.D
 Acq: 11 Nov 2017 8:22

Instrument :
 BNA_G
 ClientSampleId :
 FM1034

Tot Ion:146 Resp: 8474
 Ion Ratio Lower Upper
 146 100
 148 54.4 51.4 77.2
 75 28.5 26.6 39.8

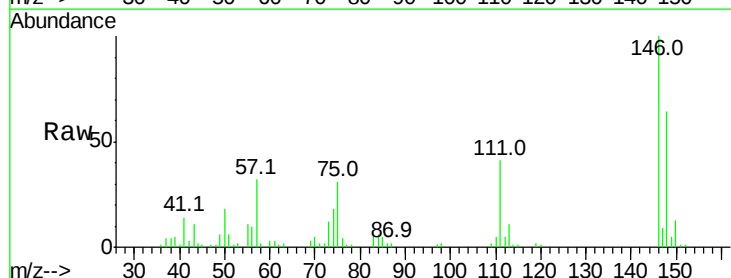


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): B

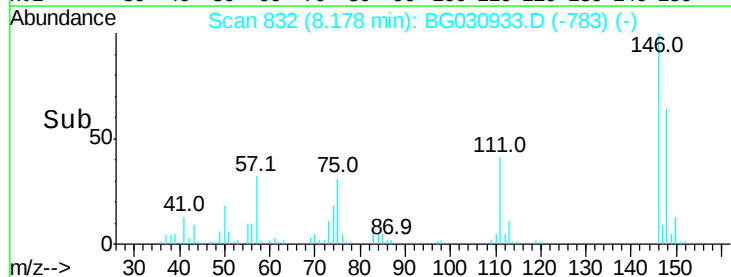
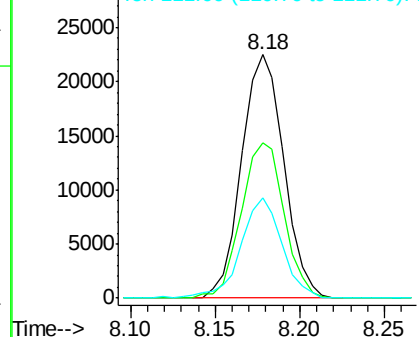


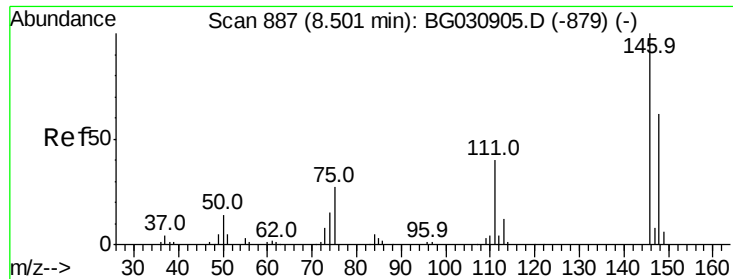
#13
 1,4-Dichlorobenzene
 Concen: 11.176 ng
 RT: 8.18 min Scan# 832
 Delta R.T. -0.01 min
 Lab File: BG030933.D
 Acq: 11 Nov 2017 8:22

Tgt Ion:146 Resp: 39002
 Ion Ratio Lower Upper
 146 100
 148 63.8 53.7 80.5
 111 41.4 35.2 52.8



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 6.726 ng

RT: 8.50 min Scan# 887

Delta R.T. -0.01 min

Lab File: BG030933.D

Acq: 11 Nov 2017 8:22

Instrument :

BNA_G

ClientSampleId :

FM1034

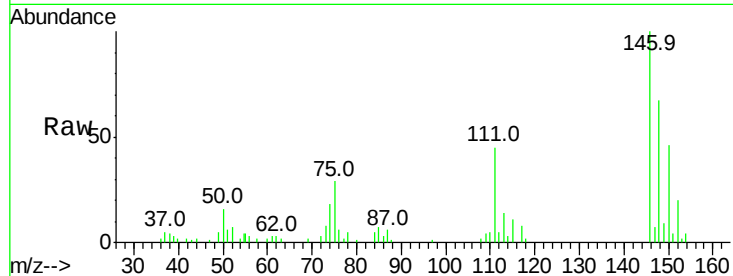
Tot Ion:146 Resp: 22531

Ion Ratio Lower Upper

146 100

148 66.9 49.3 73.9

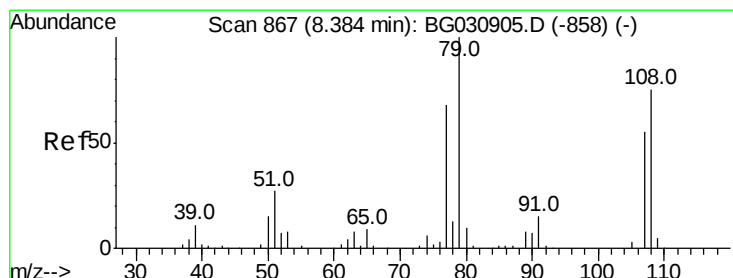
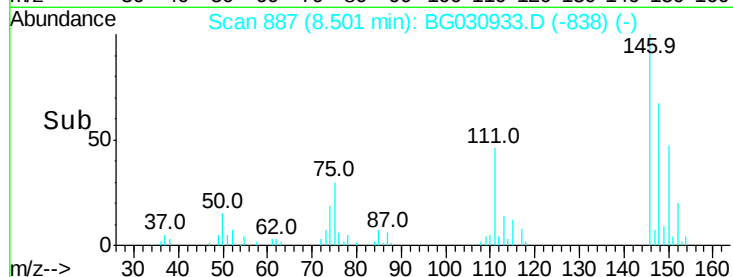
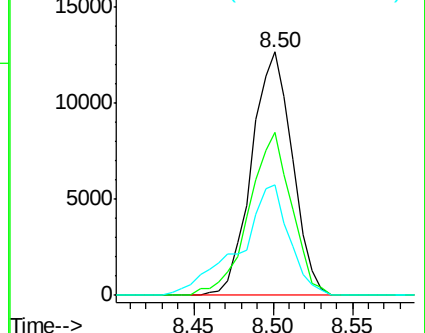
111 45.5 34.3 51.5



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 2.582 ng

RT: 8.38 min Scan# 867

Delta R.T. -0.00 min

Lab File: BG030933.D

Acq: 11 Nov 2017 8:22

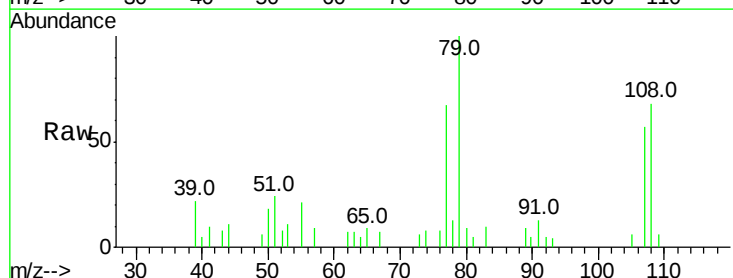
Tgt Ion: 79 Resp: 7422

Ion Ratio Lower Upper

79 100

108 67.8 57.2 85.8

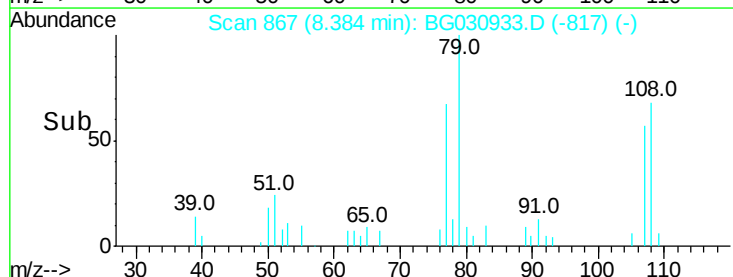
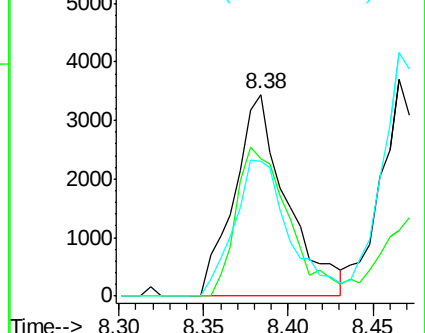
77 67.0 46.1 69.1

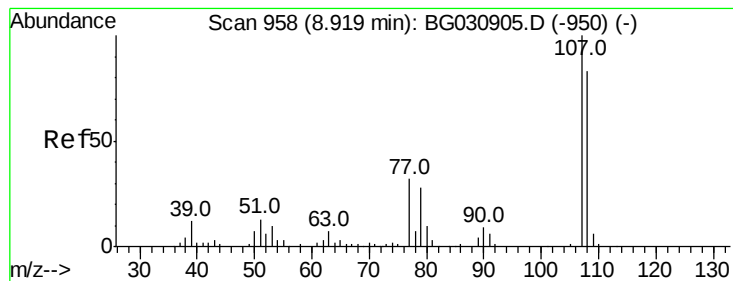


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC





#20

3+4-Methylphenols

Concen: 6.731 ng

RT: 8.91 min Scan# 957

Delta R.T. -0.01 min

Lab File: BG030933.D

Acq: 11 Nov 2017 8:22

Instrument :

BNA_G

ClientSampleId :

FM1034

Tot Ion:107 Resp: 24804

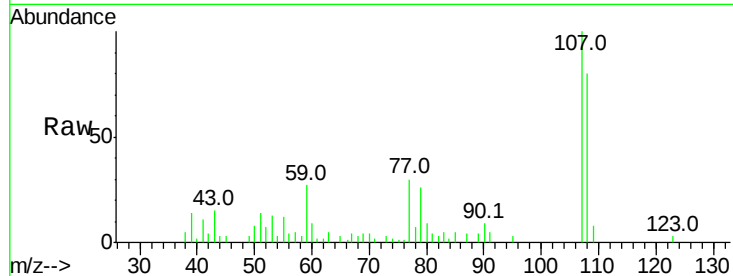
Ion Ratio Lower Upper

107 100

108 79.5 61.6 101.6

77 30.2 13.9 53.9

79 25.7 8.8 48.8

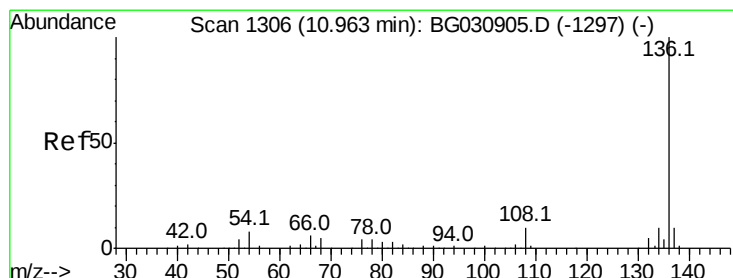
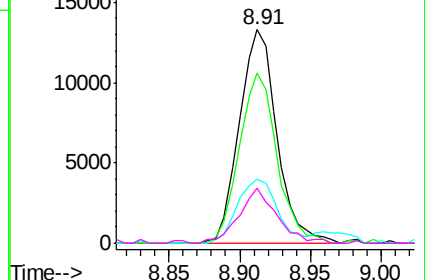
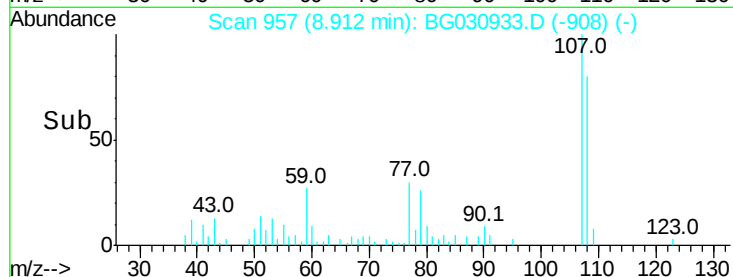


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.96 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BG030933.D

Acq: 11 Nov 2017 8:22

Tgt Ion:136 Resp: 204985

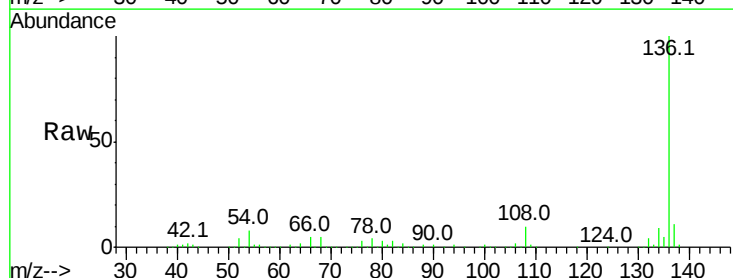
Ion Ratio Lower Upper

136 100

137 11.4 9.2 13.8

54 7.8 10.3 15.5#

68 5.3 4.5 6.7

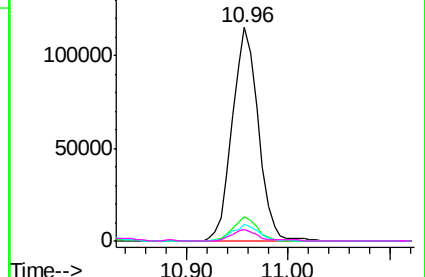
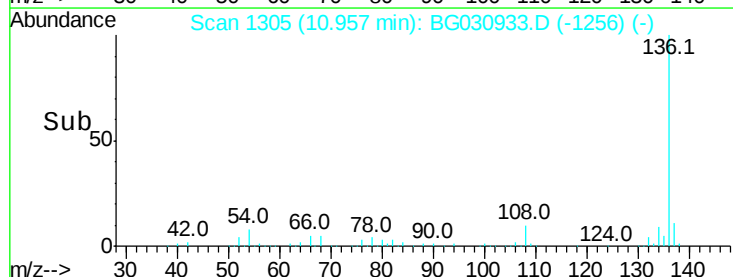


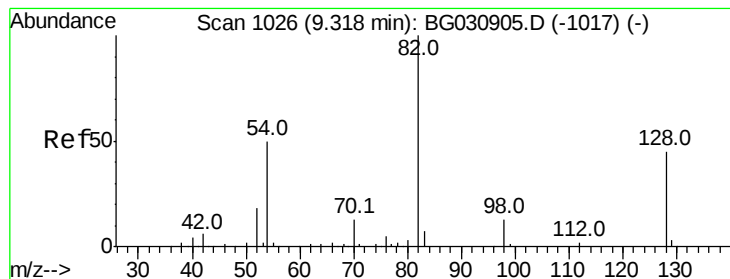
Abundance Ion 136.00 (135.70 to 136.70): E

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: 103.165 ng

RT: 9.31 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BG030933.D

Acq: 11 Nov 2017 8:22

Instrument :

BNA_G

ClientSampleId :

FM1034

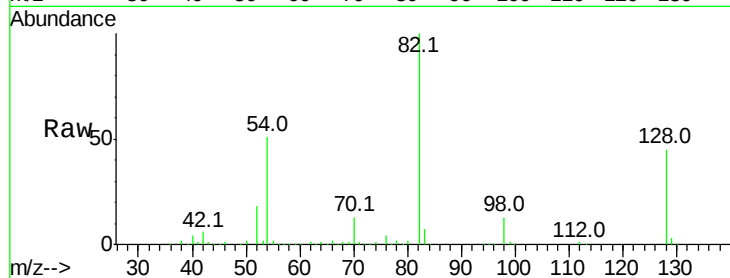
Tot Ion: 82 Resp: 356880

Ion Ratio Lower Upper

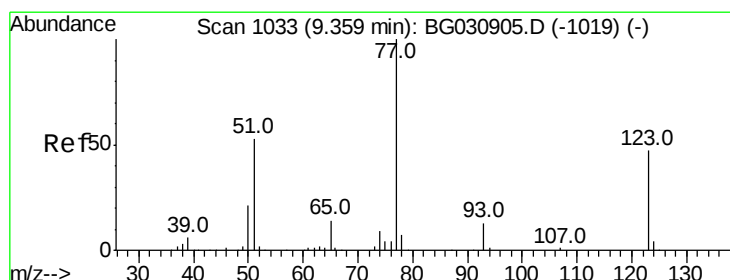
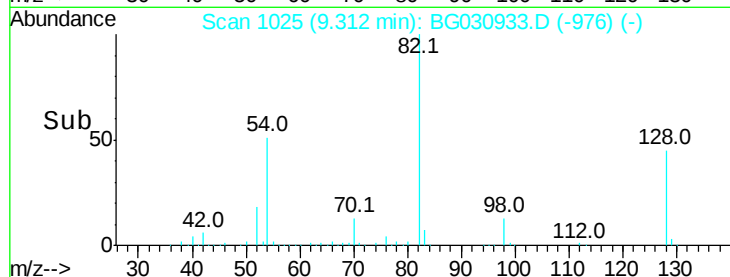
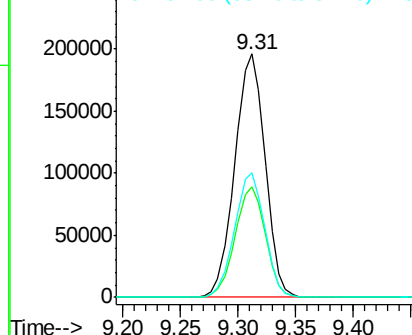
82 100

128 45.4 29.7 44.5#

54 50.9 43.1 64.7



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: 46.973 ng

RT: 9.35 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BG030933.D

Acq: 11 Nov 2017 8:22

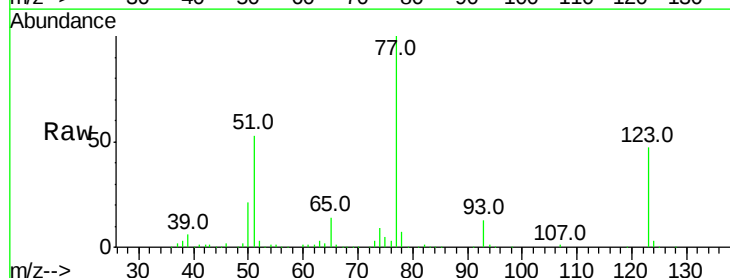
Tgt Ion: 77 Resp: 165988

Ion Ratio Lower Upper

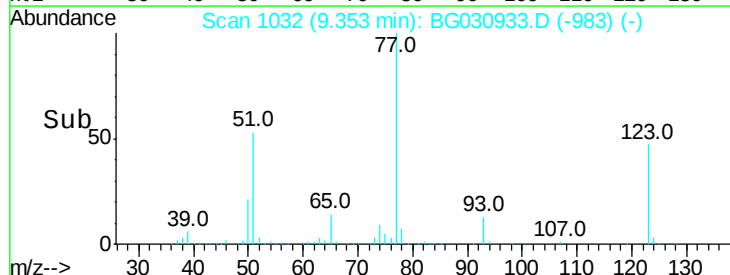
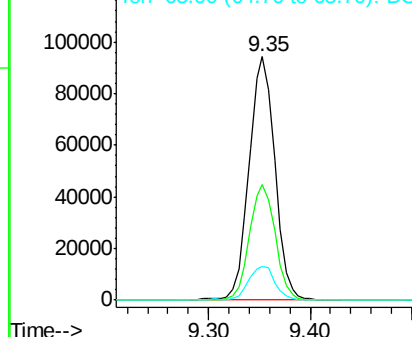
77 100

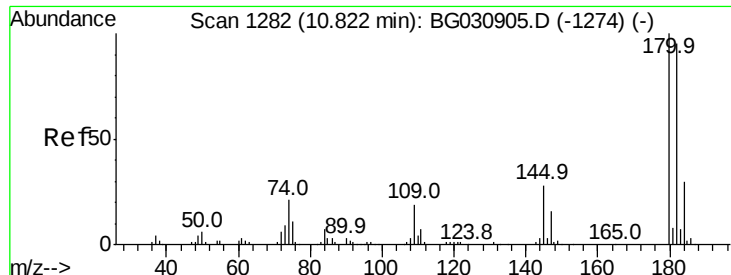
123 47.4 33.0 49.6

65 14.0 13.0 19.6



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

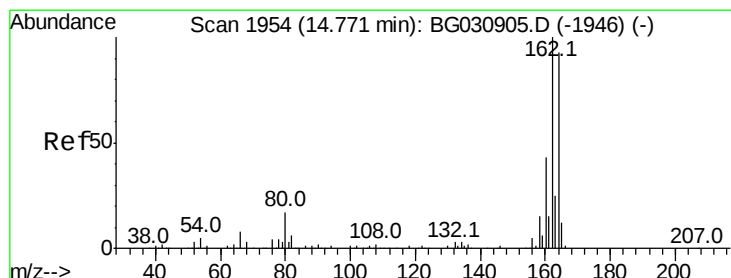
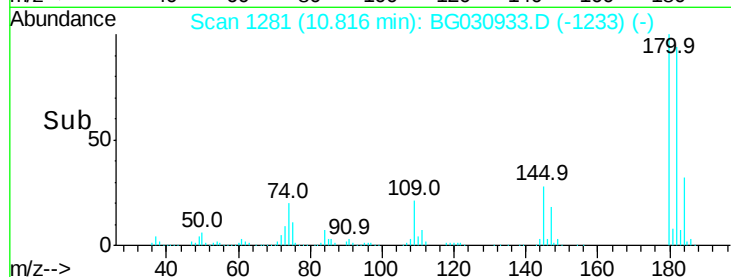
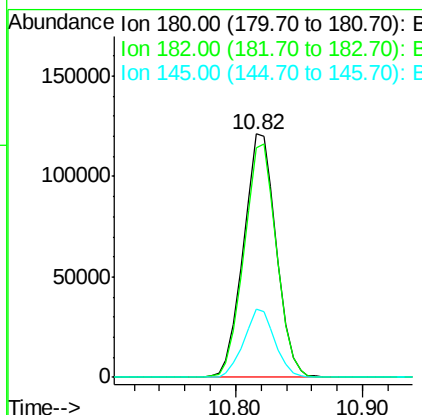
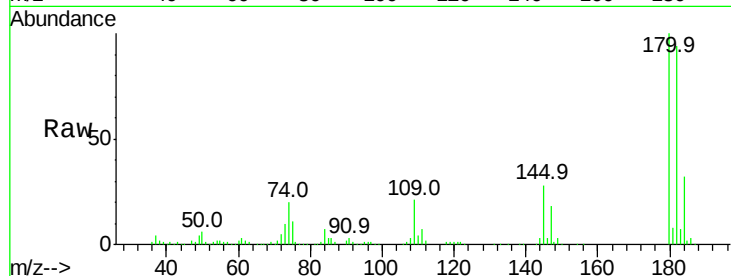




#30
 1,2,4-Trichlorobenzene
 Concen: 55.391 ng
 RT: 10.82 min Scan# 1281
 Delta R.T. -0.02 min
 Lab File: BG030933.D
 Acq: 11 Nov 2017 8:22

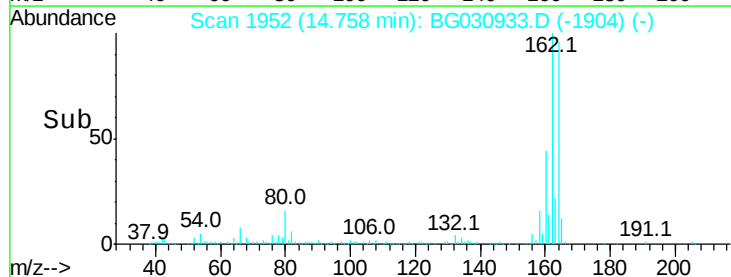
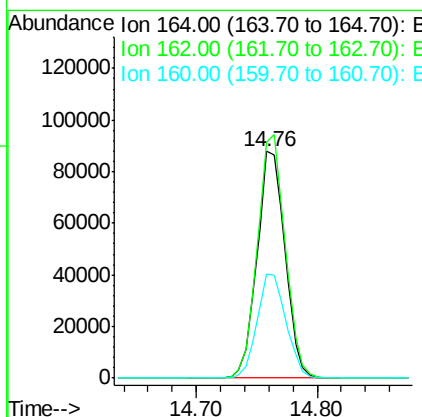
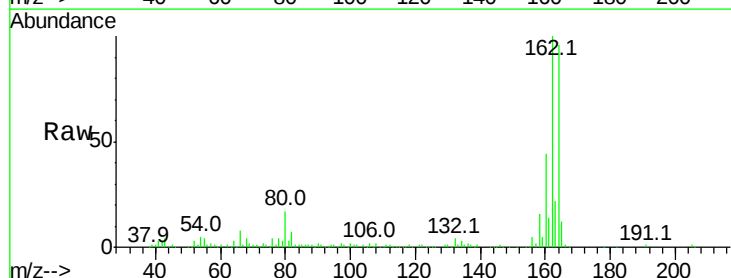
Instrument :
 BNA_G
 ClientSampleId :
 FM1034

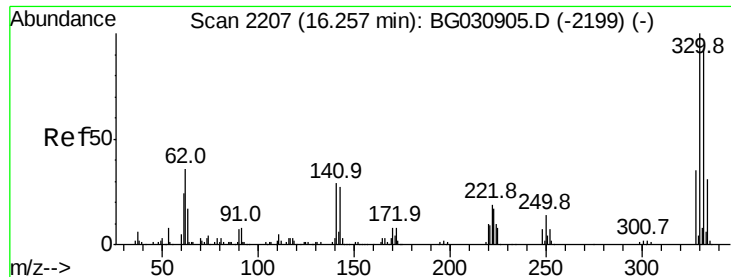
Tot Ion:180 Resp: 217148
 Ion Ratio Lower Upper
 180 100
 182 94.3 77.5 116.3
 145 27.9 23.4 35.2



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.76 min Scan# 1952
 Delta R.T. -0.02 min
 Lab File: BG030933.D
 Acq: 11 Nov 2017 8:22

Tgt Ion:164 Resp: 141645
 Ion Ratio Lower Upper
 164 100
 162 103.8 78.8 118.2
 160 46.0 35.4 53.0

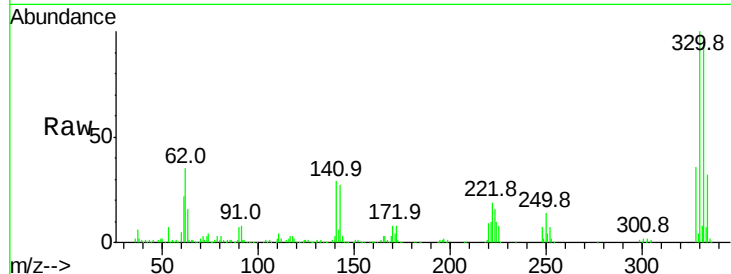




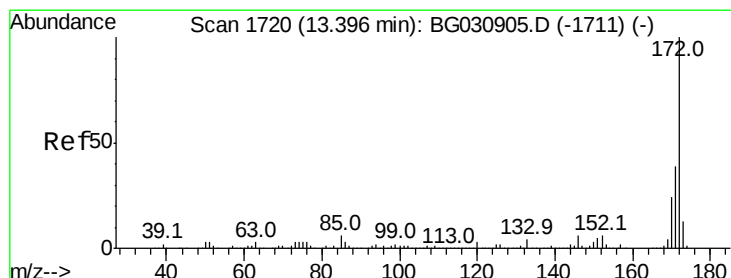
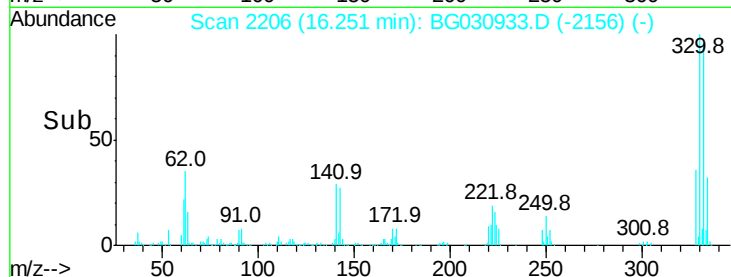
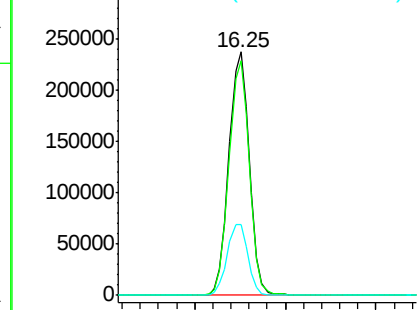
#41
 2,4,6-Tribromophenol
 Concen: 162.134 ng
 RT: 16.25 min Scan# 2206
 Delta R.T. -0.00 min
 Lab File: BG030933.D
 Acq: 11 Nov 2017 8:22

Instrument :
 BNA_G
 ClientSampleId :
 FM1034

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	29.8	25.2	37.8

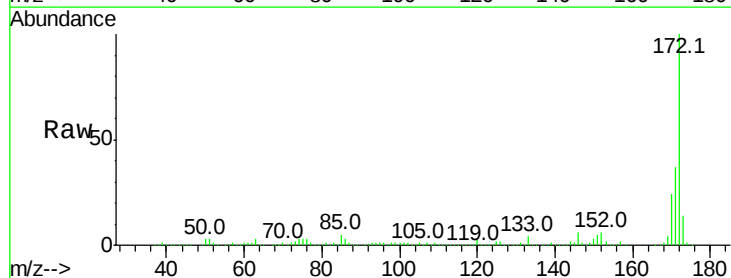


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

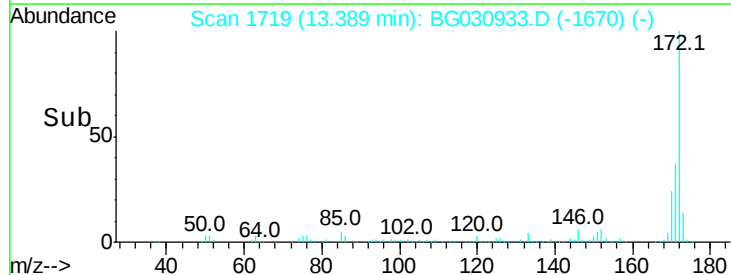
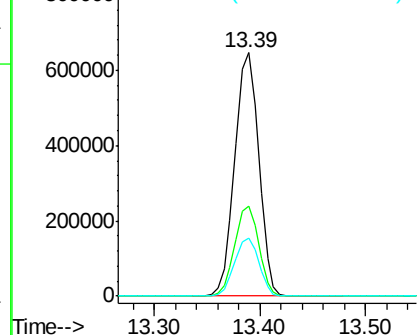


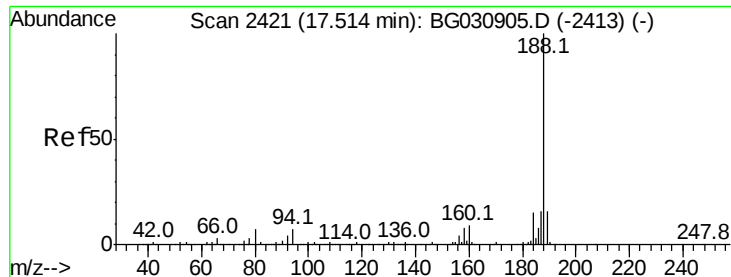
#44
 2-Fluorobiphenyl
 Concen: 102.799 ng
 RT: 13.39 min Scan# 1719
 Delta R.T. -0.01 min
 Lab File: BG030933.D
 Acq: 11 Nov 2017 8:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.0	45.0
170	23.9	19.5	29.3



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

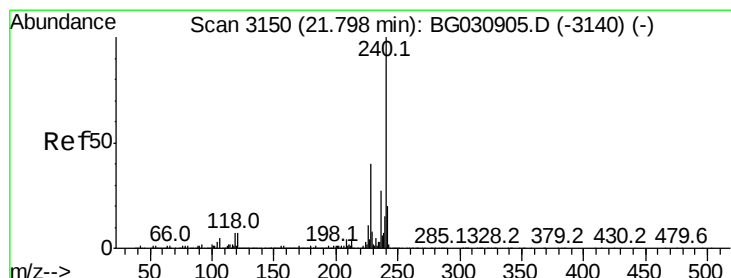
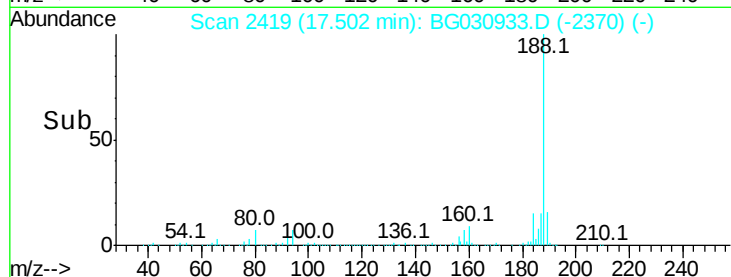
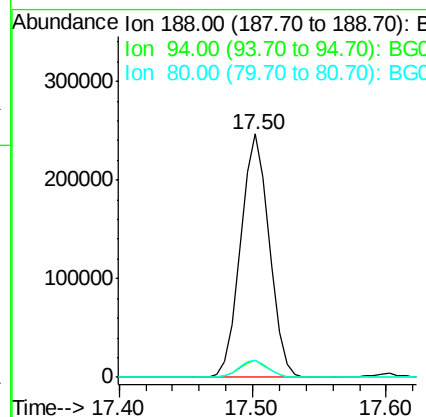
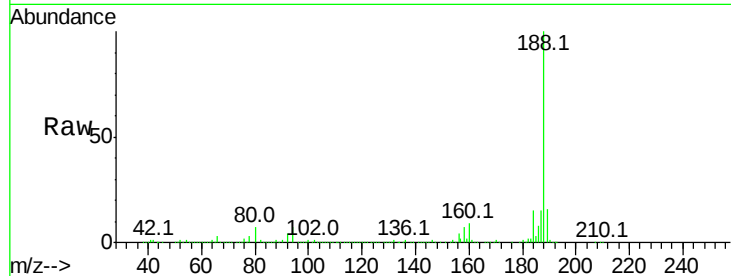




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.50 min Scan# 2419
Delta R.T. -0.01 min
Lab File: BG030933.D
Acq: 11 Nov 2017 8:22

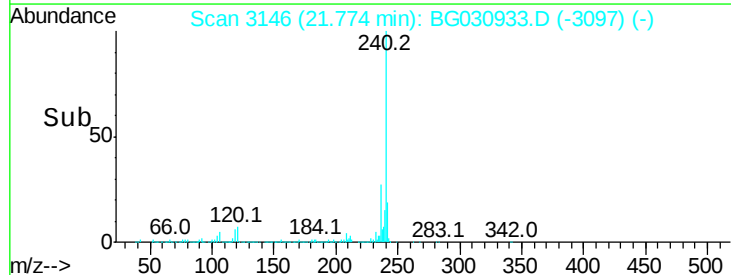
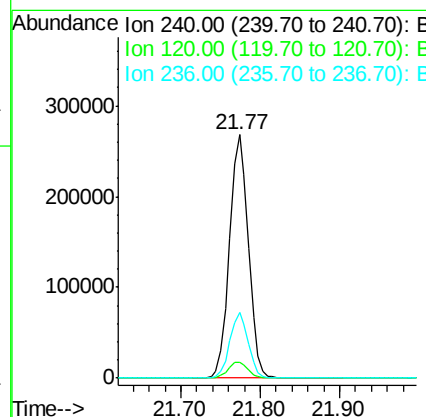
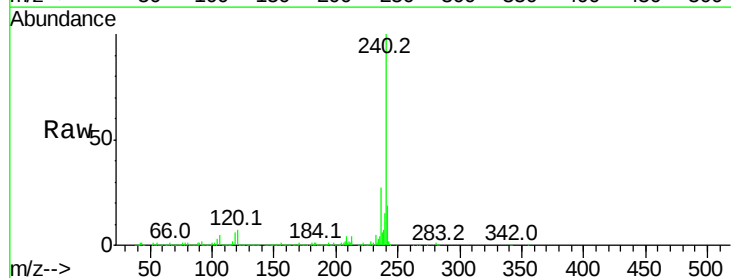
Instrument :
BNA_G
ClientSampleId :
FM1034

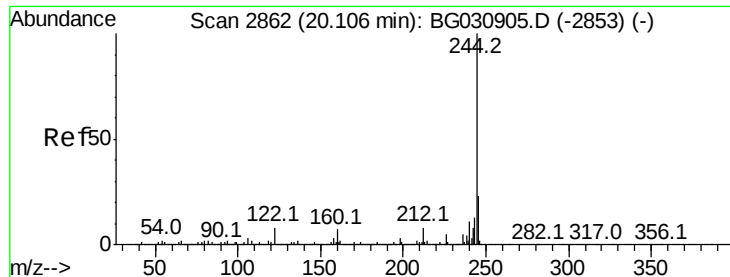
Tot Ion:188 Resp: 365617
Ion Ratio Lower Upper
188 100
94 6.9 6.9 10.3
80 7.0 7.7 11.5#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3146
Delta R.T. -0.01 min
Lab File: BG030933.D
Acq: 11 Nov 2017 8:22

Tgt Ion:240 Resp: 440430
Ion Ratio Lower Upper
240 100
120 6.6 6.8 10.2#
236 26.8 20.9 31.3





#78

Terphenyl-d14

Concen: 95.450 ng

RT: 20.09 min Scan# 2860

Delta R.T. -0.00 min

Lab File: BG030933.D

Acq: 11 Nov 2017 8:22

Instrument :

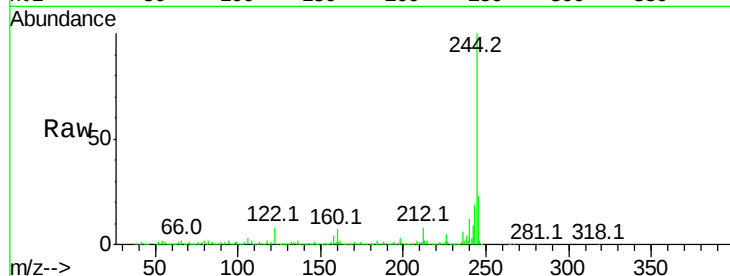
BNA_G

ClientSampleId :

FM1034

Tot Ion:244 Resp: 1903866

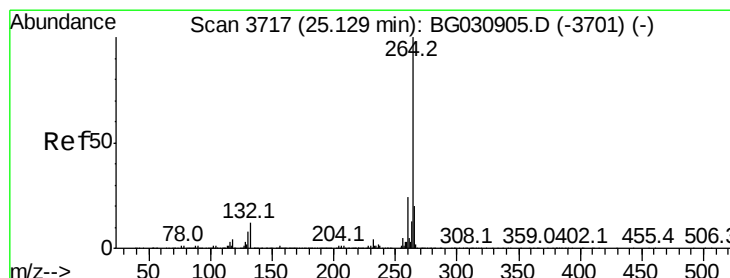
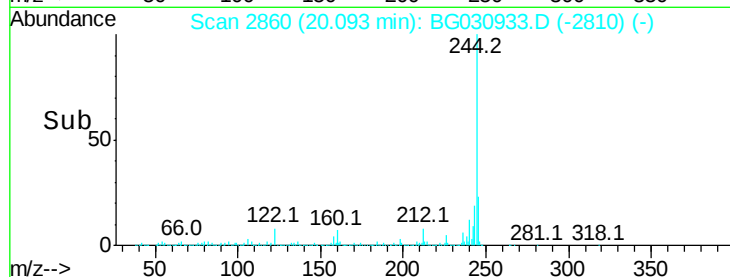
Ion	Ratio	Lower	Upper
244	100		
212	8.0	5.8	8.8
122	7.8	7.0	10.4



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: 20.000 ng

RT: 25.08 min Scan# 3708

Delta R.T. -0.02 min

Lab File: BG030933.D

Acq: 11 Nov 2017 8:22

Tgt Ion:264 Resp: 432299

Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.4	26.0
265	23.6	17.7	26.5

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

