

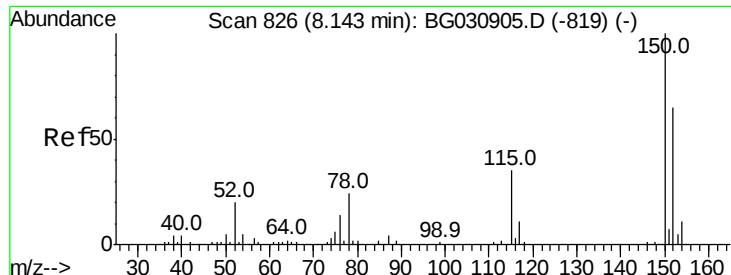
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG111117\
 Data File : BG030933.D
 Acq On : 11 Nov 2017 8:22
 Operator : SJ/JU
 Sample : I6407-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 13 03:18:23 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	# 89
11) bis(2-Chloroethyl)ether	7.47	93	29524	9.936	ng	# 21
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
16) 2,2'-oxybis(1-Chloropropan	8.78	45	17898	5.453	ng	91
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
32) Benzoic acid	10.32	122	529	5.866	ng	# 67
52) 3-Nitroaniline	14.69	138	5856	2.185	ng	# 2

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

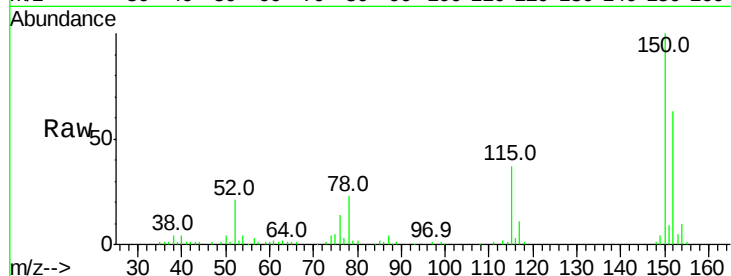


#1

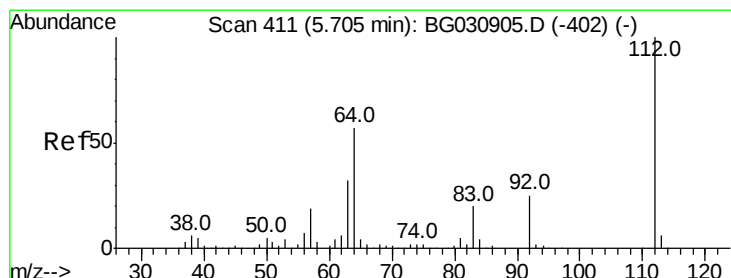
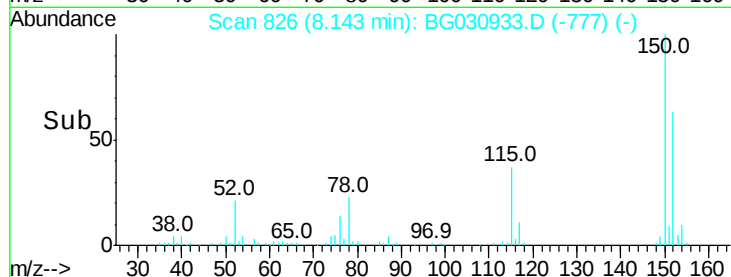
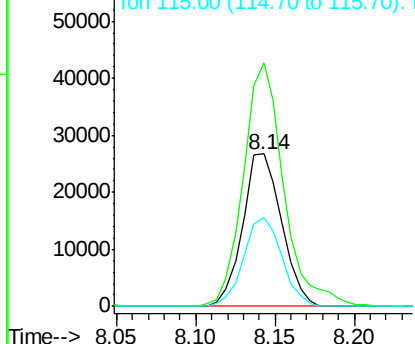
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 826
Delta R.T. -0.01 min
Lab File: BG030933.D
Acq: 11 Nov 2017 8:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.5	126.6	189.8
115	58.5	53.0	79.4



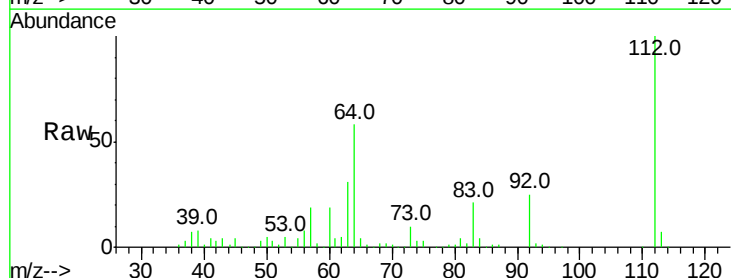
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



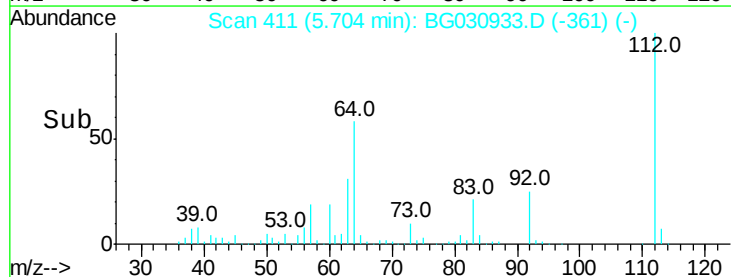
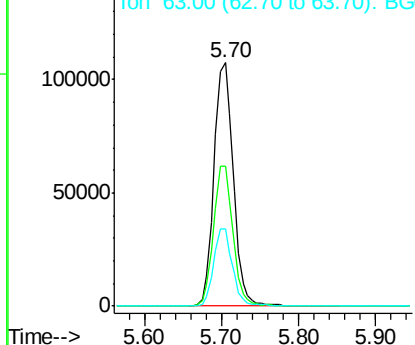
#5

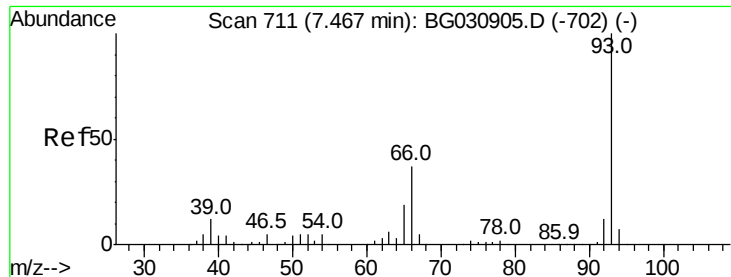
2-Fluorophenol
Concen: 69.558 ng
RT: 5.70 min Scan# 411
Delta R.T. -0.00 min
Lab File: BG030933.D
Acq: 11 Nov 2017 8:22

Tgt Ion	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

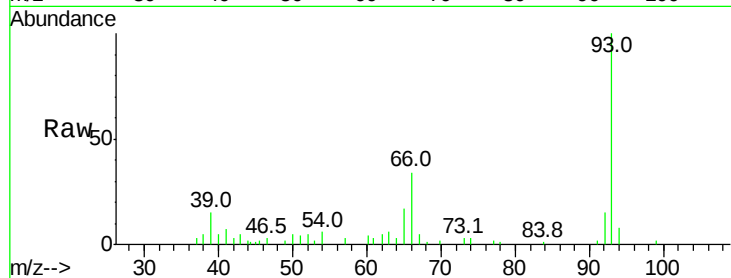
Instrument :

BNA_G

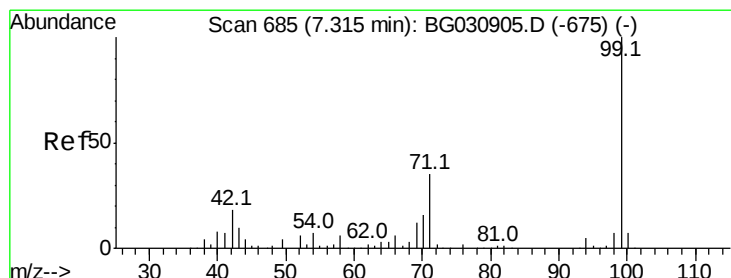
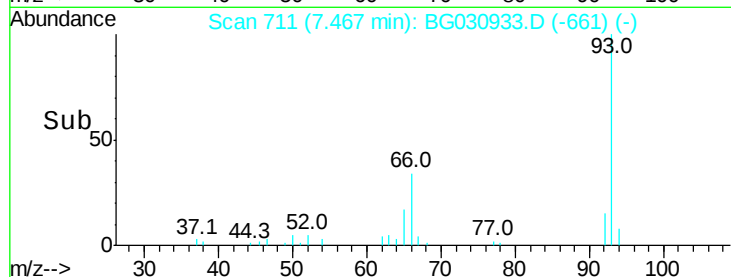
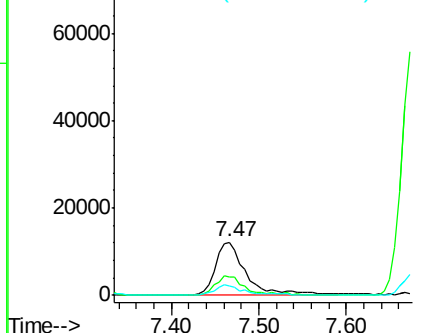
ClientSampleId :

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

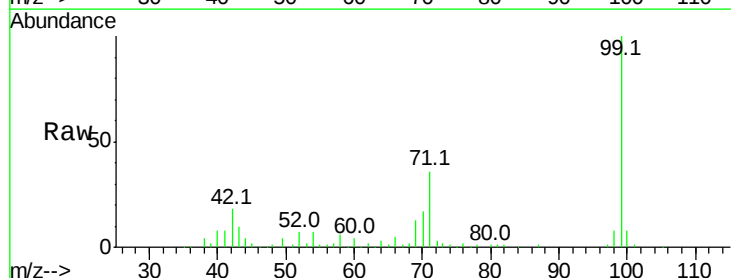
Delta R.T. 0.00 min

Lab File: BG030933.D

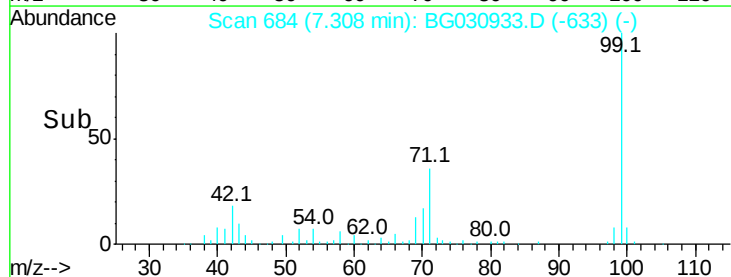
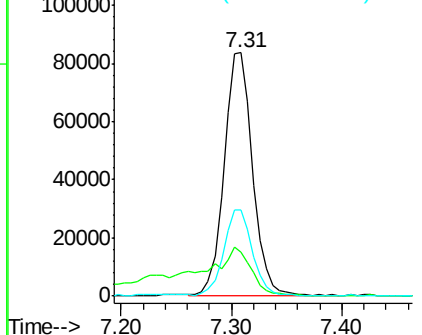
Acq: 11 Nov 2017 8:22

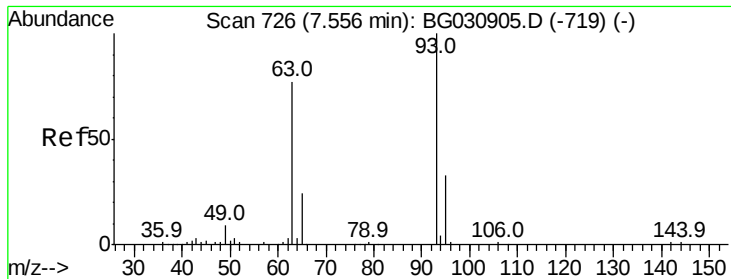
Tgt Ion: 99 Resp: 149726

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





#11

bis(2-Chloroethyl)ether

Concen: 9.936 ng

RT: 7.47 min Scan# 711

Delta R.T. -0.10 min

Lab File: BG030933.D

Acq: 11 Nov 2017 8:22

Instrument :

BNA_G

ClientSampleId :

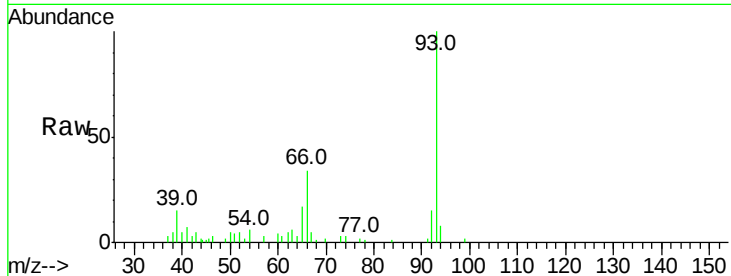
Tot Ion: 93 Resp: 29524

Ion Ratio Lower Upper

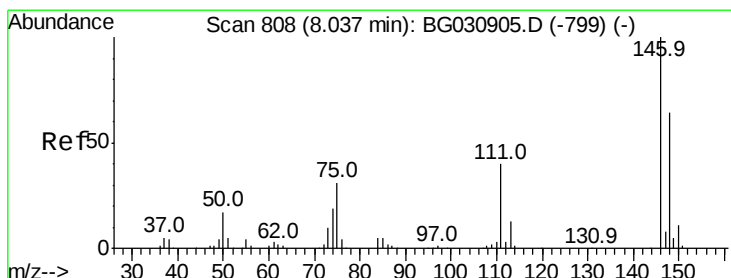
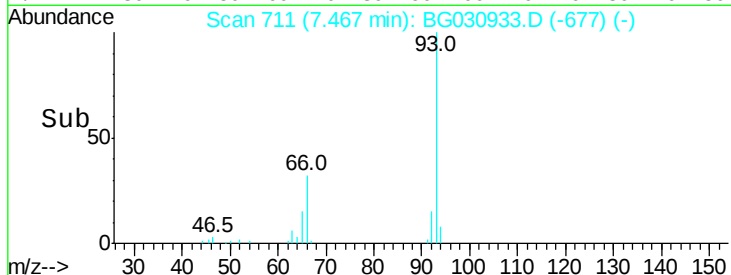
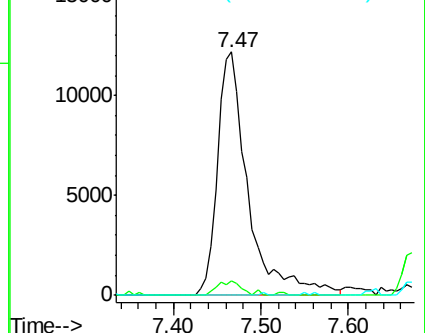
93 100

63 6.2 67.1 107.1#

95 0.0 11.5 51.5#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): 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

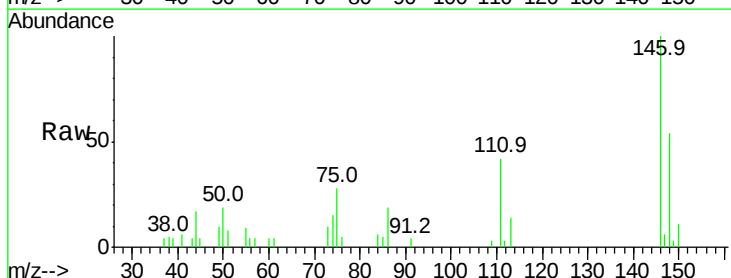
Tgt Ion: 146 Resp: 8474

Ion Ratio Lower Upper

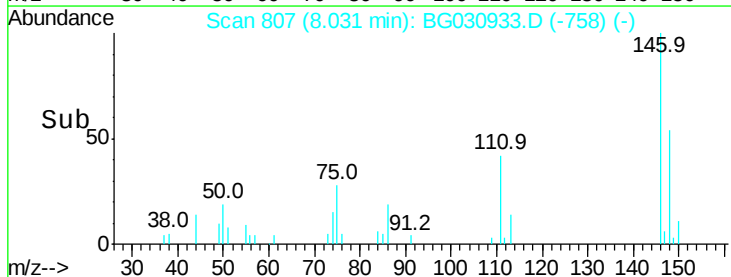
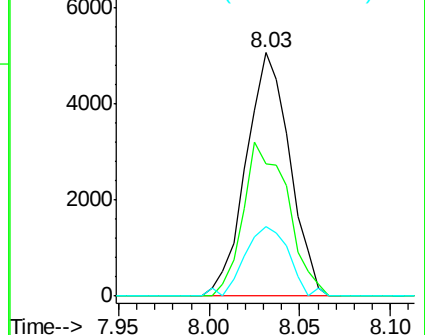
146 100

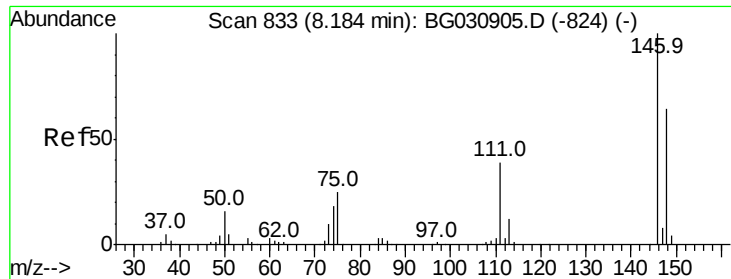
148 54.4 51.4 77.2

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): BGC

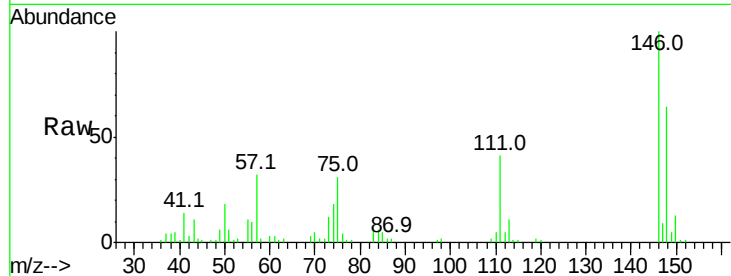




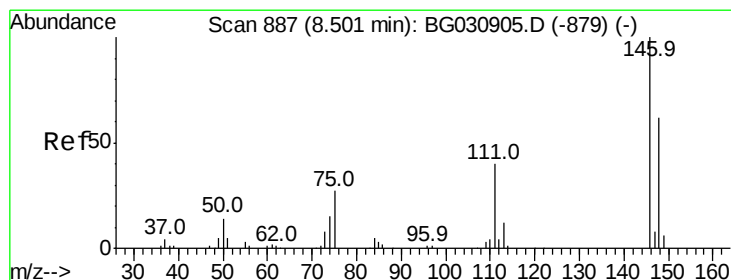
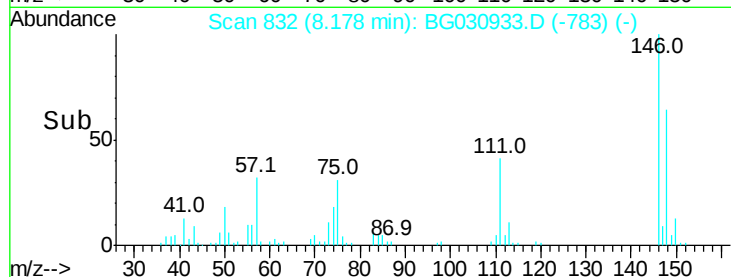
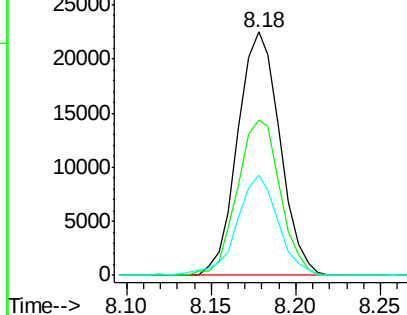
#13
 1,4-Dichlorobenzene
 Concen: 11.176 ng
 RT: 8.18 min Scan# 832
 Delta R.T. -0.01 min
 Lab File: BG030933.D
 Acq: 11 Nov 2017 8:22

Instrument :
 BNA_G
 ClientSampleId :

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

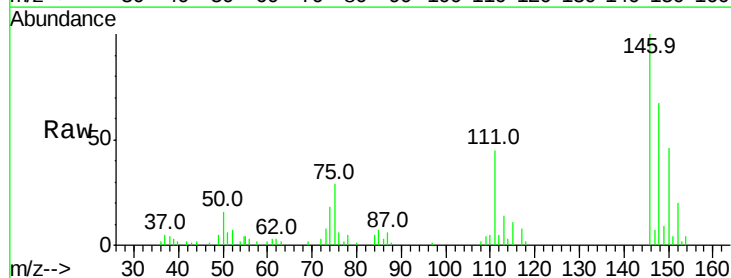


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

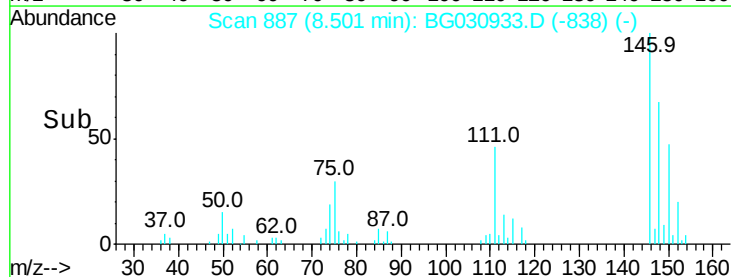
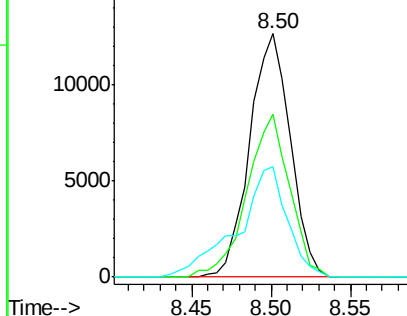


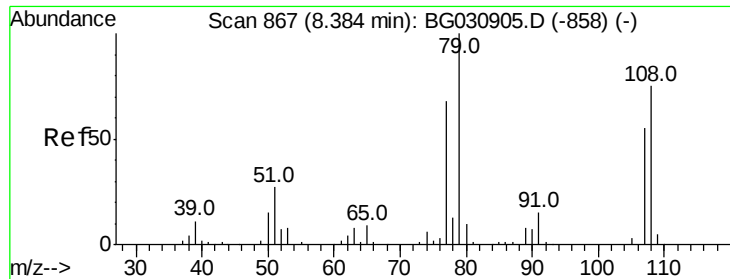
#14
 1,2-Dichlorobenzene
 Concen: 6.726 ng
 RT: 8.50 min Scan# 887
 Delta R.T. -0.01 min
 Lab File: BG030933.D
 Acq: 11 Nov 2017 8:22

Tgt 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

Instrument :

BNA_G

ClientSampled :

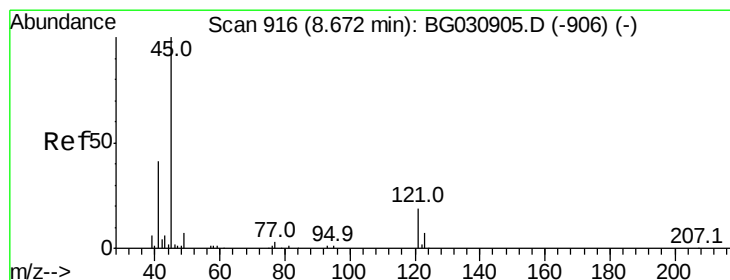
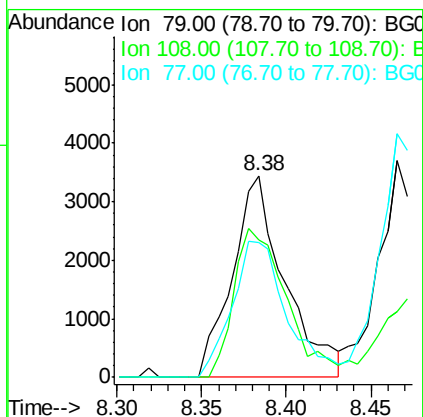
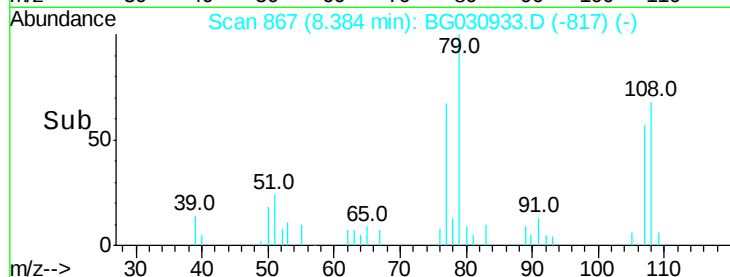
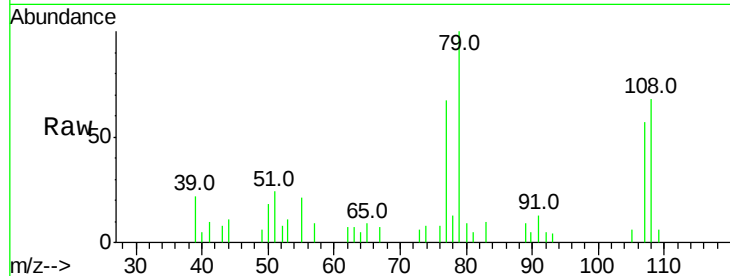
Tot Ion: 79 Resp: 7422

Ion Ratio Lower Upper

79 100

108 67.8 57.2 85.8

77 67.0 46.1 69.1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 5.453 ng

RT: 8.78 min Scan# 935

Delta R.T. 0.11 min

Lab File: BG030933.D

Acq: 11 Nov 2017 8:22

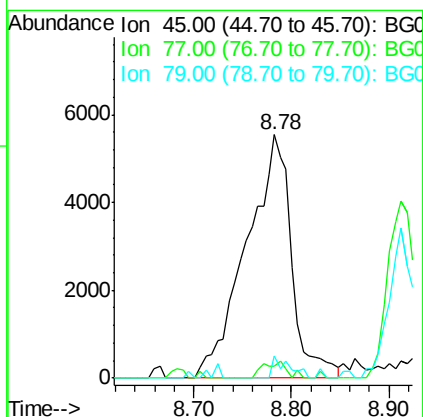
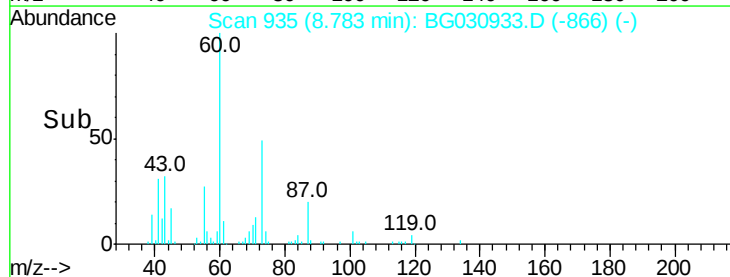
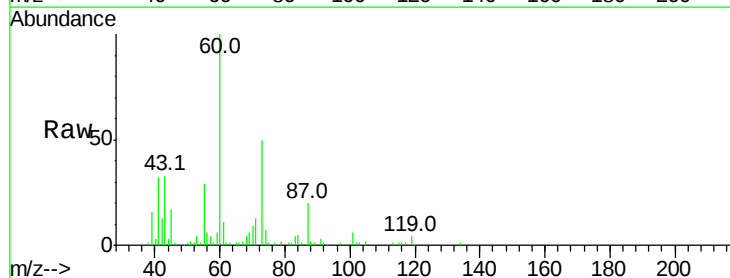
Tgt Ion: 45 Resp: 17898

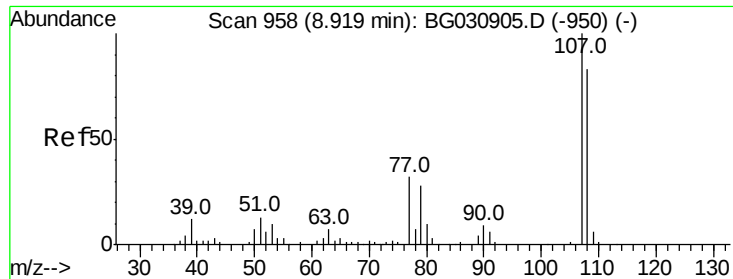
Ion Ratio Lower Upper

45 100

77 5.0 0.0 30.2

79 9.0 0.0 27.9

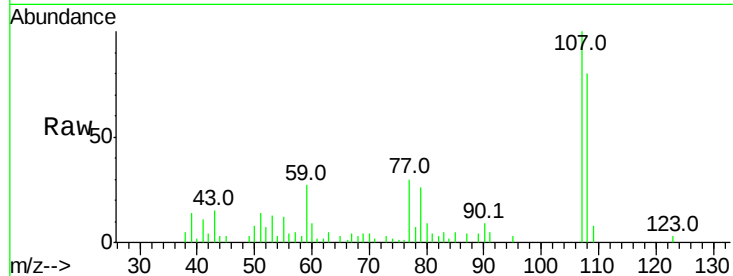




#20
3+4-Methylphenols
Concen: 6.731 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.01 min
Lab File: BG030933.D
Acq: 11 Nov 2017 8:22

Instrument :
BNA_G
ClientSampleId :

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



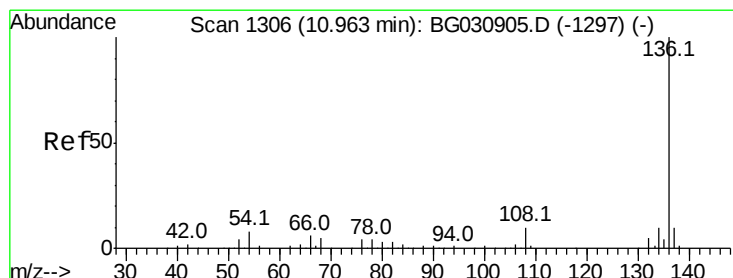
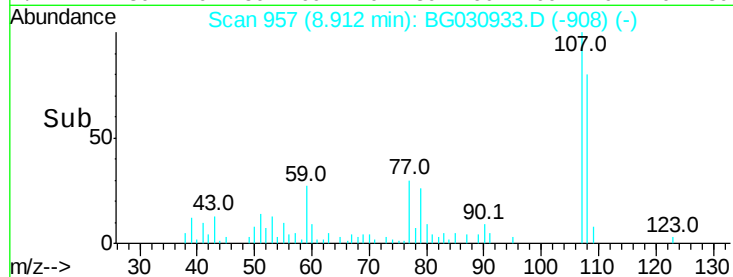
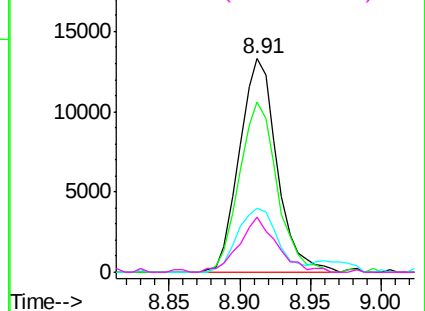
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

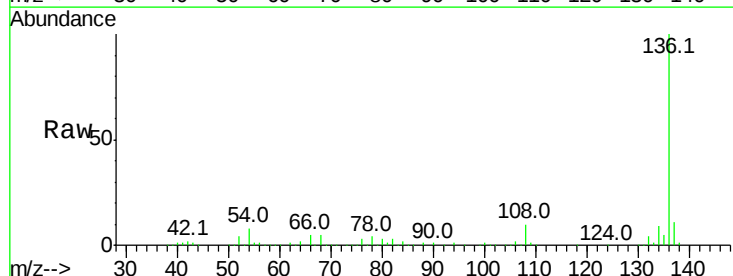
Ion 77.00 (76.70 to 77.70): BGC

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



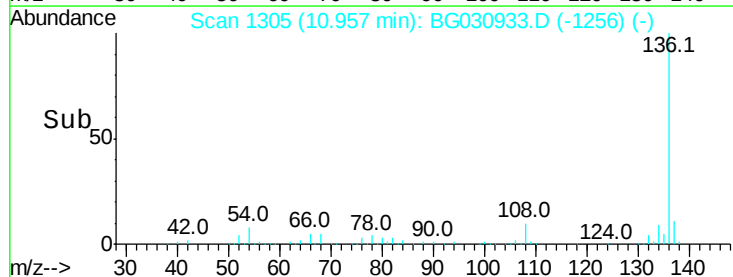
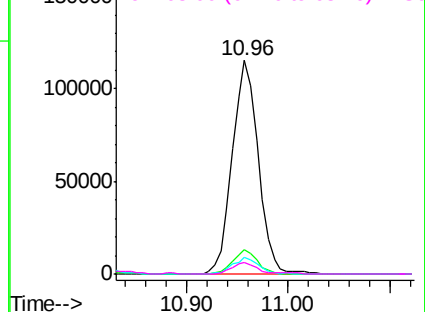
Abundance

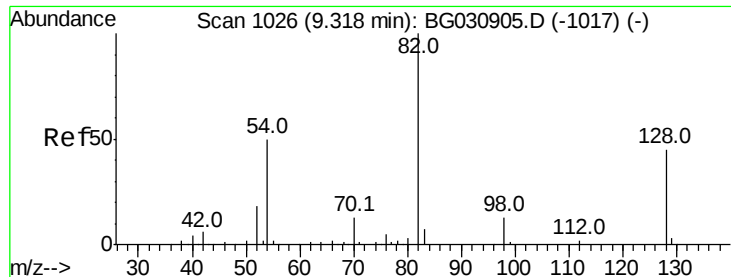
Ion 136.00 (135.70 to 136.70): E

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

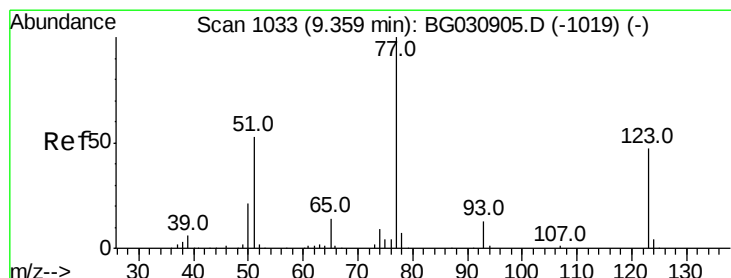
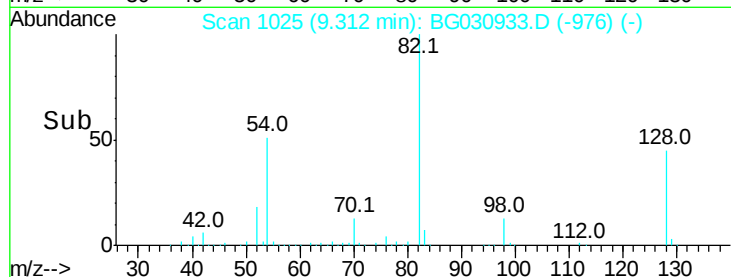
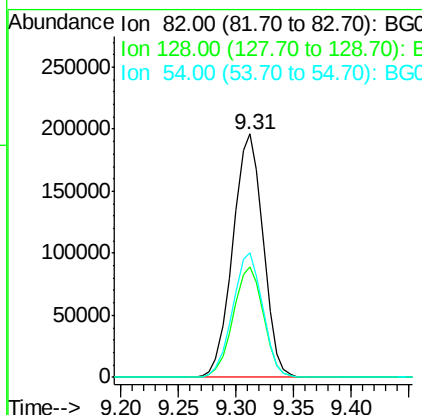
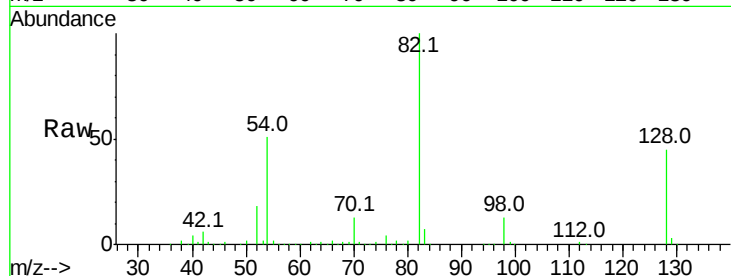




#23
Nitrobenzene-d5
Concen: 103.165 ng
RT: 9.31 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BG030933.D
Acq: 11 Nov 2017 8:22

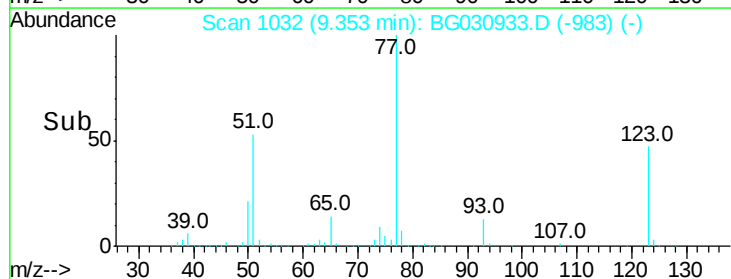
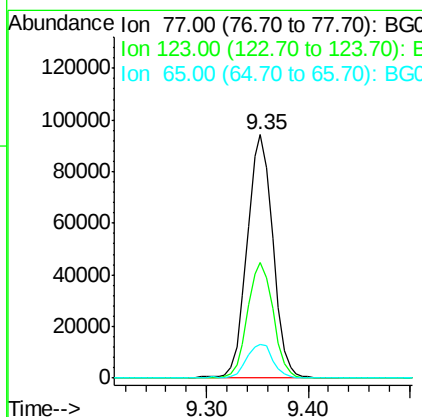
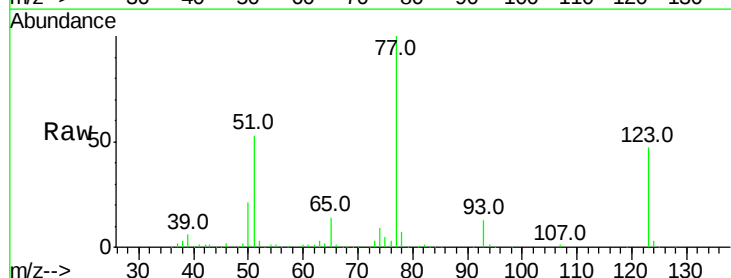
Instrument :
BNA_G
ClientSampled :

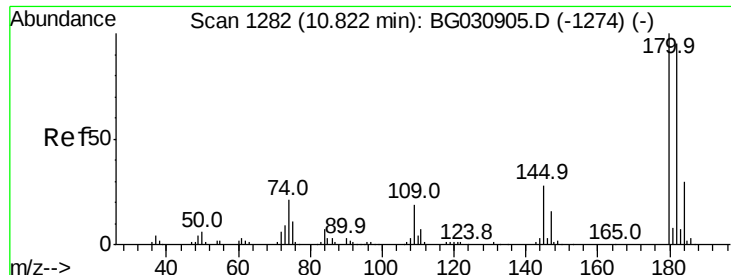
Tot Ion	82	Resp	356880
Ion Ratio	Lower	Upper	
82	100		
128	45.4	29.7	44.5#
54	50.9	43.1	64.7



#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

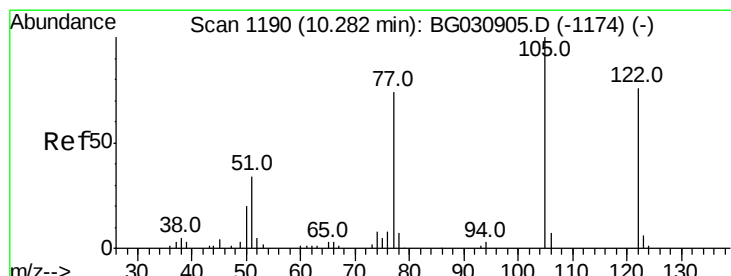
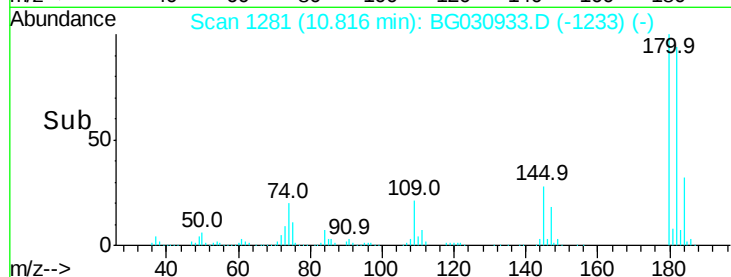
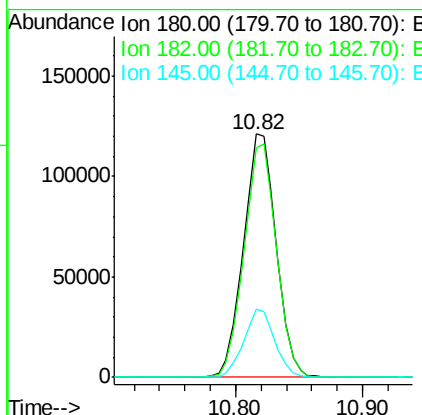
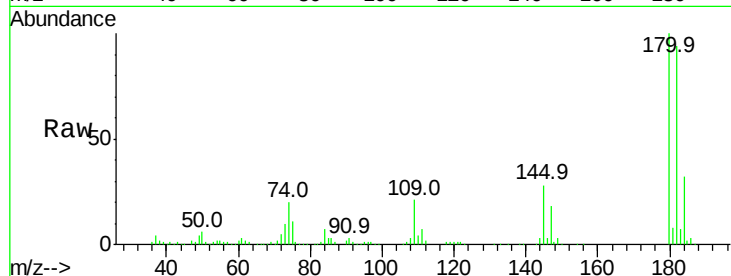




#30
 1,2,4-Trichlorobenzene
 Concen: 55.391 ng
 RT: 10.82 min Scan# 1281
 Delta R.T. -0.02 min
 Lab File: BG030933.D
 Acq: 11 Nov 2017 8:22

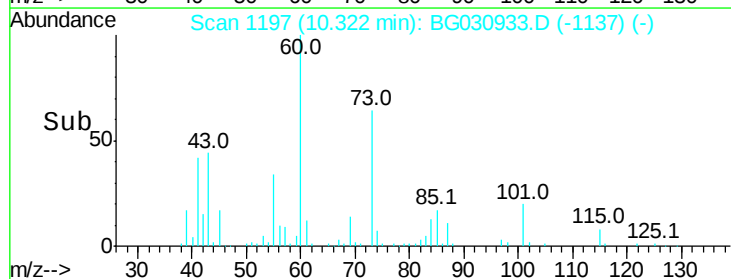
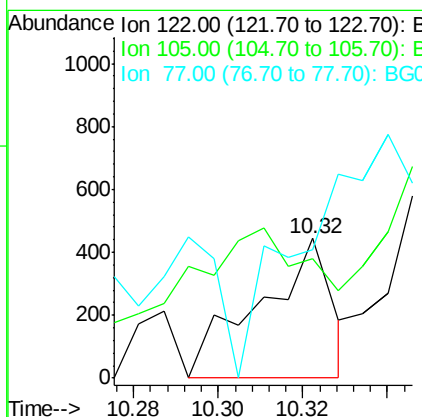
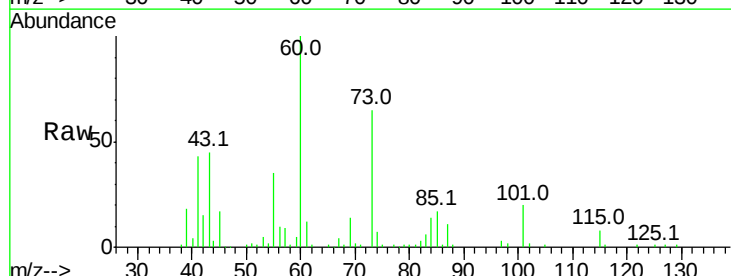
Instrument :
 BNA_G
 ClientSampleId :

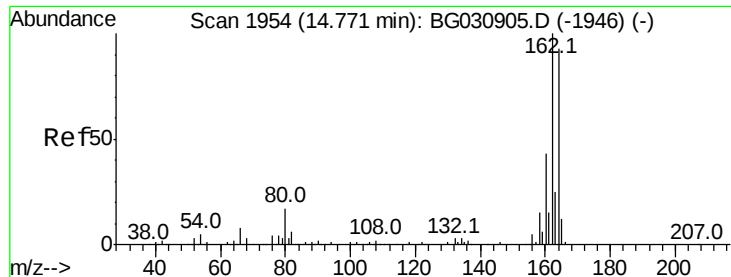
Tot Ion:180 Resp: 217148
 Ion Ratio Lower Upper
 180 100
 182 94.3 77.5 116.3
 145 27.9 23.4 35.2



#32
 Benzoic acid
 Concen: 5.866 ng
 RT: 10.32 min Scan# 1197
 Delta R.T. 0.05 min
 Lab File: BG030933.D
 Acq: 11 Nov 2017 8:22

Tgt Ion:122 Resp: 529
 Ion Ratio Lower Upper
 122 100
 105 86.0 123.5 163.5#
 77 91.7 85.7 125.7

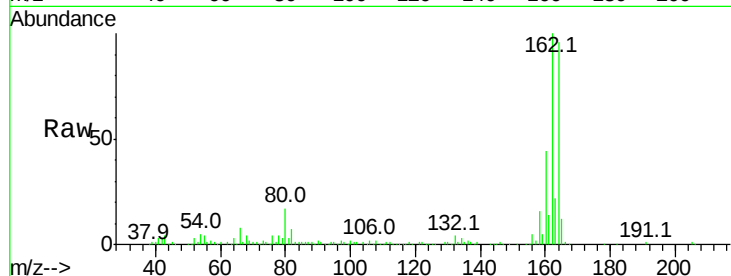




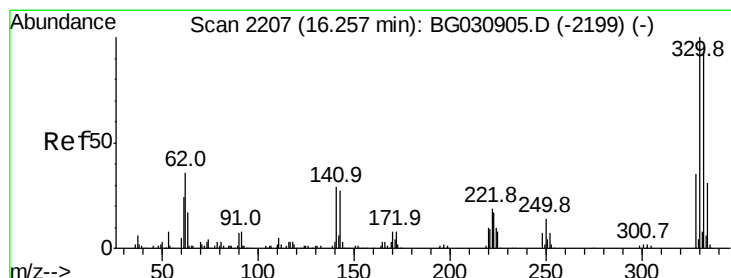
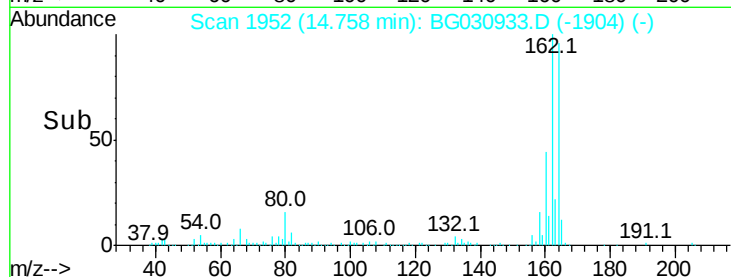
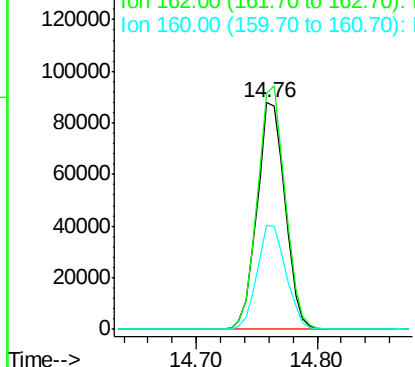
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.76 min Scan# 1952
 Delta R.T. -0.02 min
 Lab File: BG030933.D
 Acq: 11 Nov 2017 8:22

Instrument :
 BNA_G
 ClientSampleId :

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

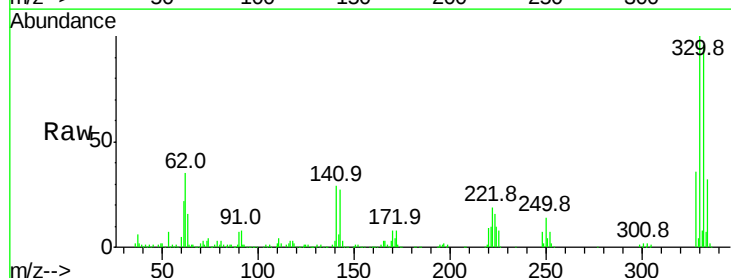


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

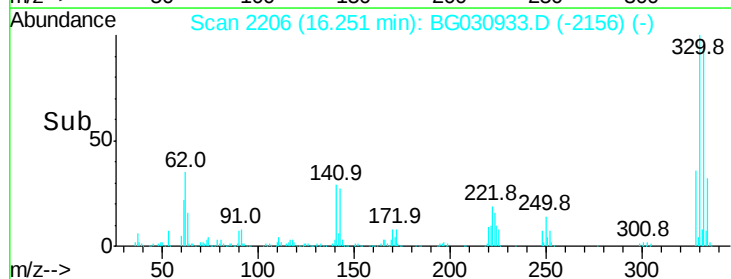
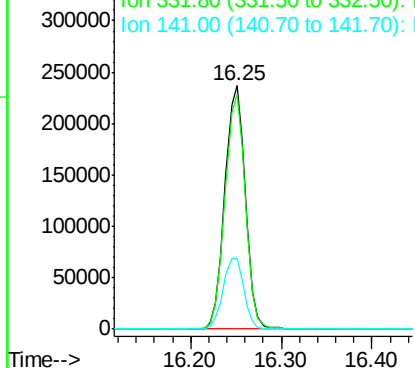


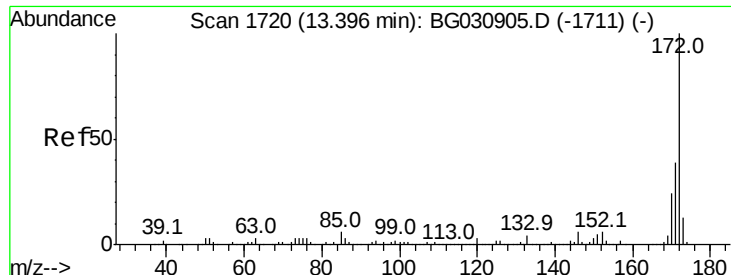
#41
 2,4,6-Tribromophenol
 Concen: 162.134 ng
 RT: 16.25 min Scan# 2206
 Delta R.T. -0.00 min
 Lab File: BG030933.D
 Acq: 11 Nov 2017 8:22

Tgt Ion:330 Resp: 371506
 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



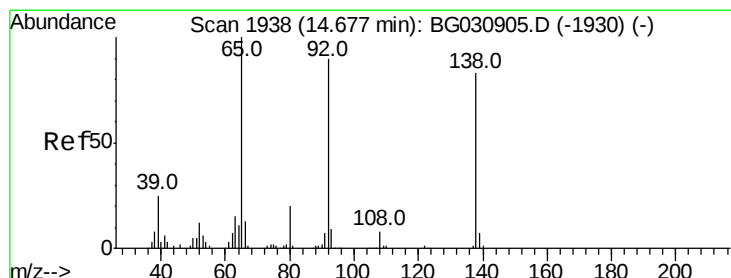
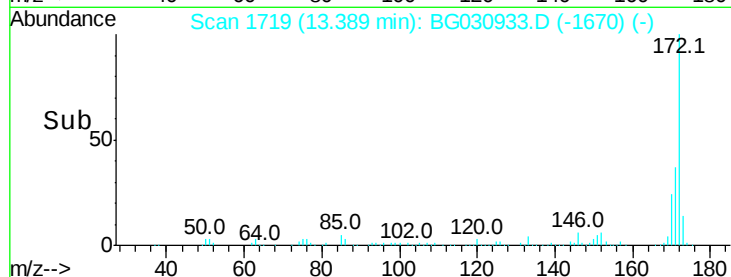
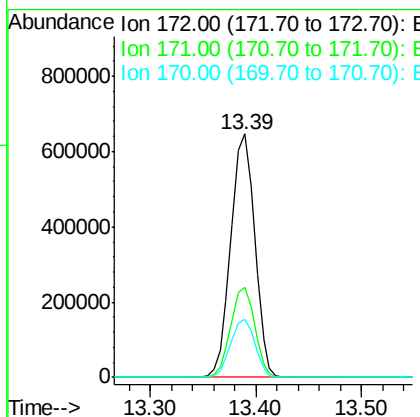
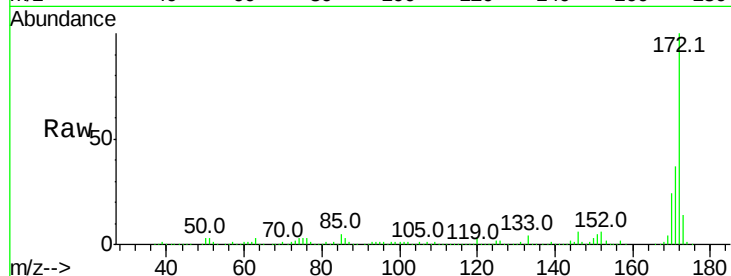


#44
 2-Fluorobiphenyl
 Concen: 102.799 ng
 RT: 13.39 min Scan# 1719
 Delta R.T. -0.01 min
 Lab File: BG030933.D
 Acq: 11 Nov 2017 8:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1013367

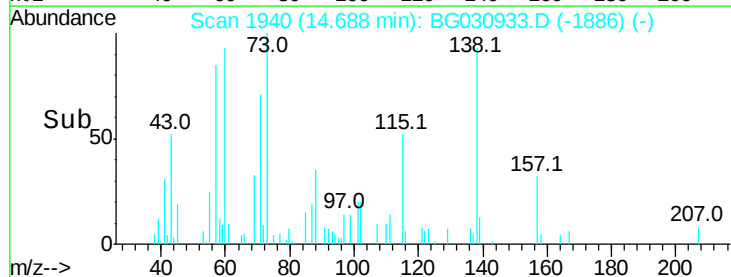
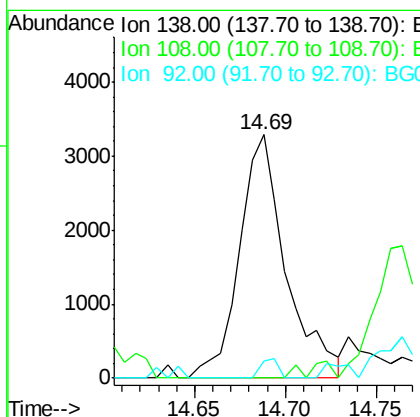
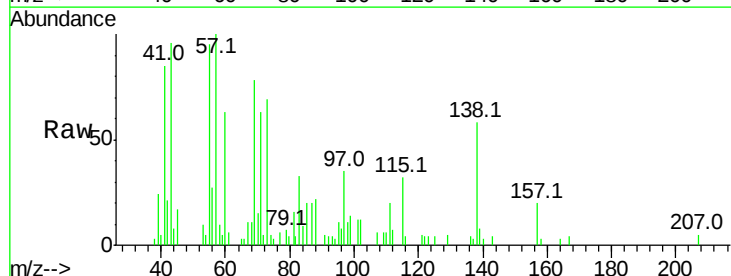
Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.0	45.0
170	23.9	19.5	29.3

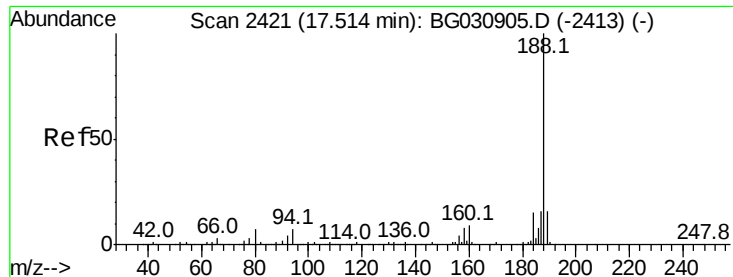


#52
 3-Nitroaniline
 Concen: 2.185 ng
 RT: 14.69 min Scan# 1940
 Delta R.T. 0.02 min
 Lab File: BG030933.D
 Acq: 11 Nov 2017 8:22

Tgt Ion:138 Resp: 5856

Ion	Ratio	Lower	Upper
138	100		
108	0.0	17.5	26.3#
92	7.0	105.8	158.8#

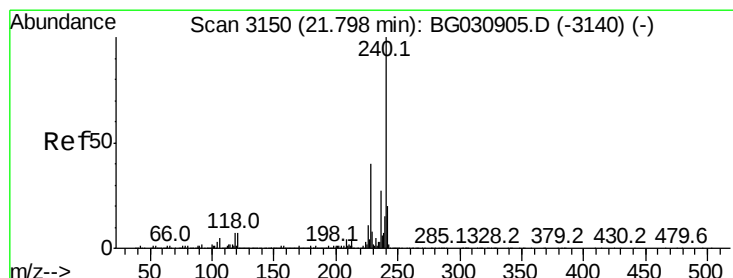
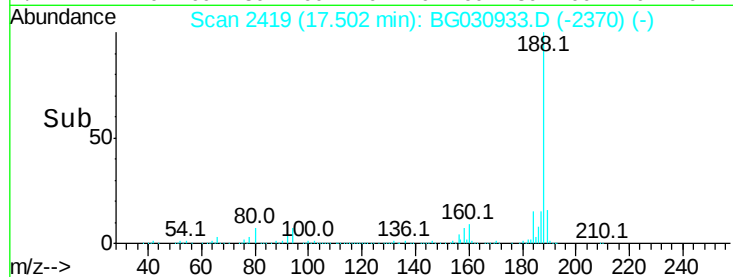
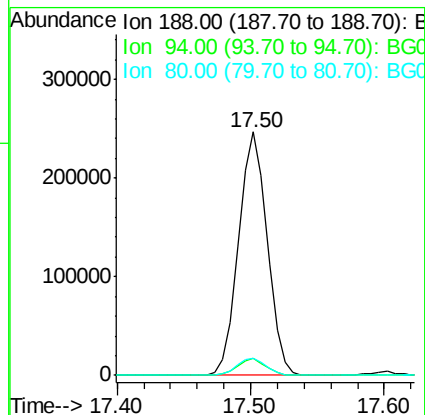
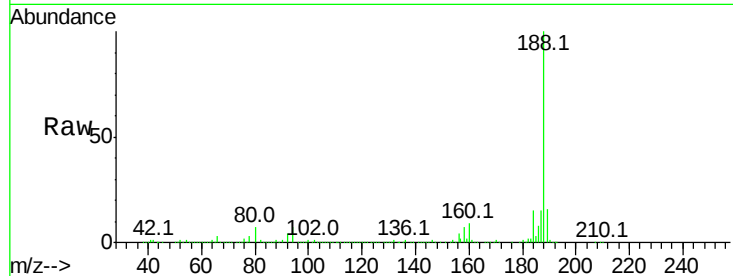




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.50 min Scan# 2419
 Delta R.T. -0.01 min
 Lab File: BG030933.D
 Acq: 11 Nov 2017 8:22

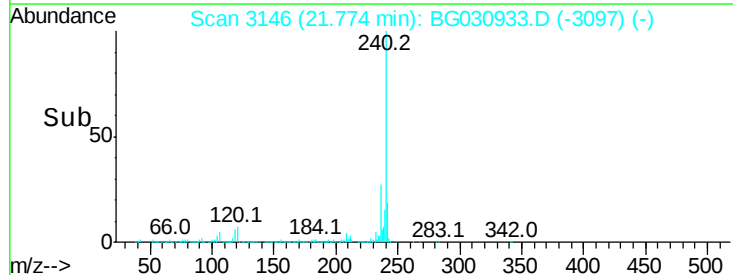
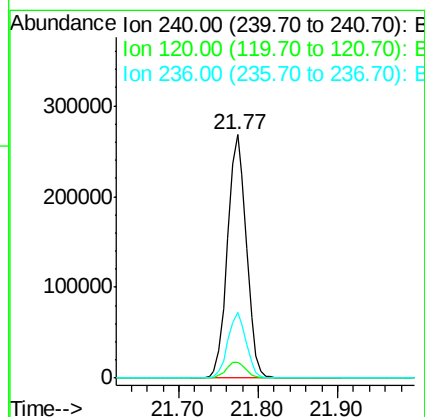
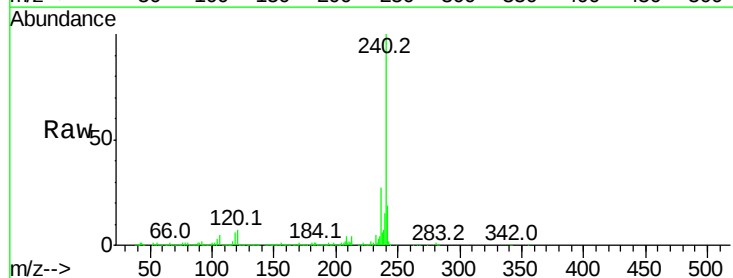
Instrument :
 BNA_G
 ClientSampleId :

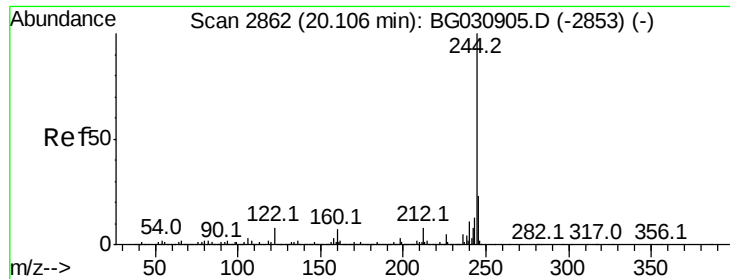
Tot Ion:188 Resp: 365617
 Ion Ratio Lower Upper
 188 100
 94 6.9 6.9 10.3
 80 7.0 7.7 11.5#



#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 :

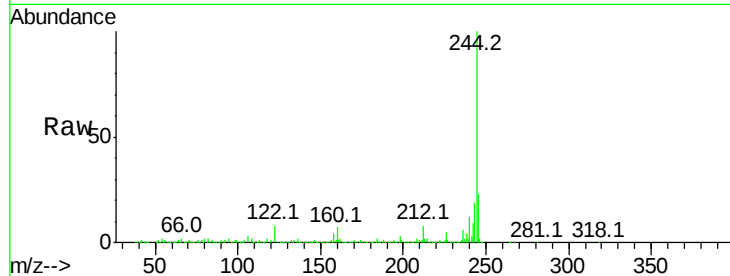
Tot Ion:244 Resp: 1903866

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.8

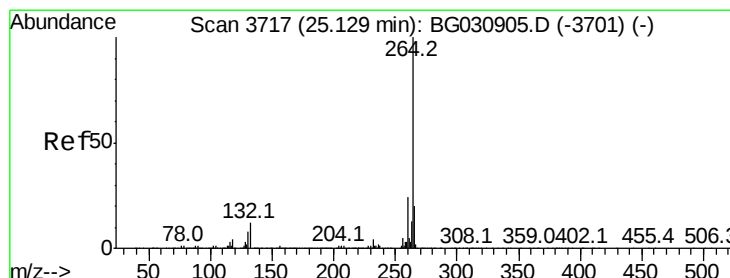
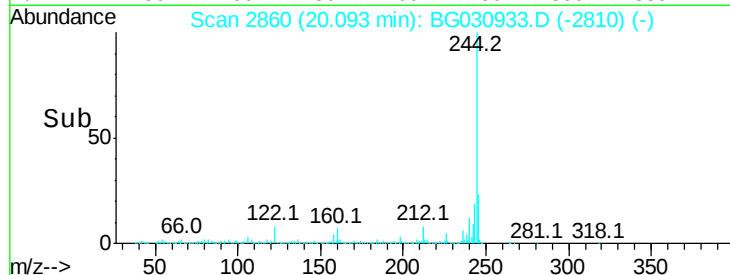
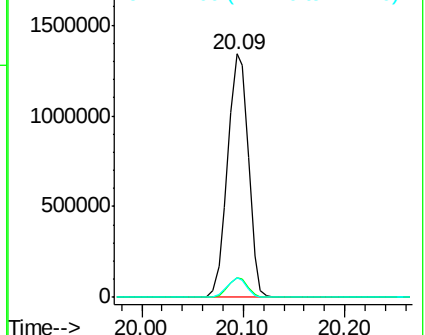
122 7.8 7.0 10.4



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

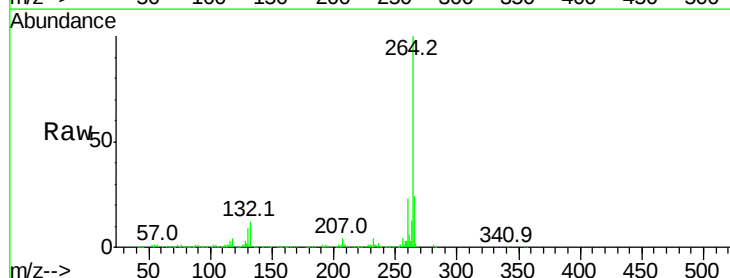
Tgt Ion:264 Resp: 432299

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

