

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122117\
 Data File : BG031681.D
 Acq On : 21 Dec 2017 19:59
 Operator : SJ/JU
 Sample : I6961-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 22 03:15:53 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 14:09:19 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.83	152	54417	20.00	ng	-0.01
21) Naphthalene-d8	11.72	136	232877	20.00	ng	0.00
38) Acenaphthene-d10	15.46	164	158367	20.00	ng	0.00
63) Phenanthrene-d10	18.20	188	416904	20.00	ng	0.00
75) Chrysene-d12	22.57	240	485961	20.00	ng	0.00
86) Perylene-d12	26.36	264	513561	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.25	112	458365	153.42	ng	0.00
7) Phenol-d6	7.93	99	595343	153.48	ng	0.00
23) Nitrobenzene-d5	10.03	82	293363	95.13	ng	-0.01
41) 2,4,6-Tribromophenol	16.94	330	374750	155.08	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	1062940	84.24	ng	0.00
78) Terphenyl-d14	20.74	244	1790852	84.19	ng	0.00

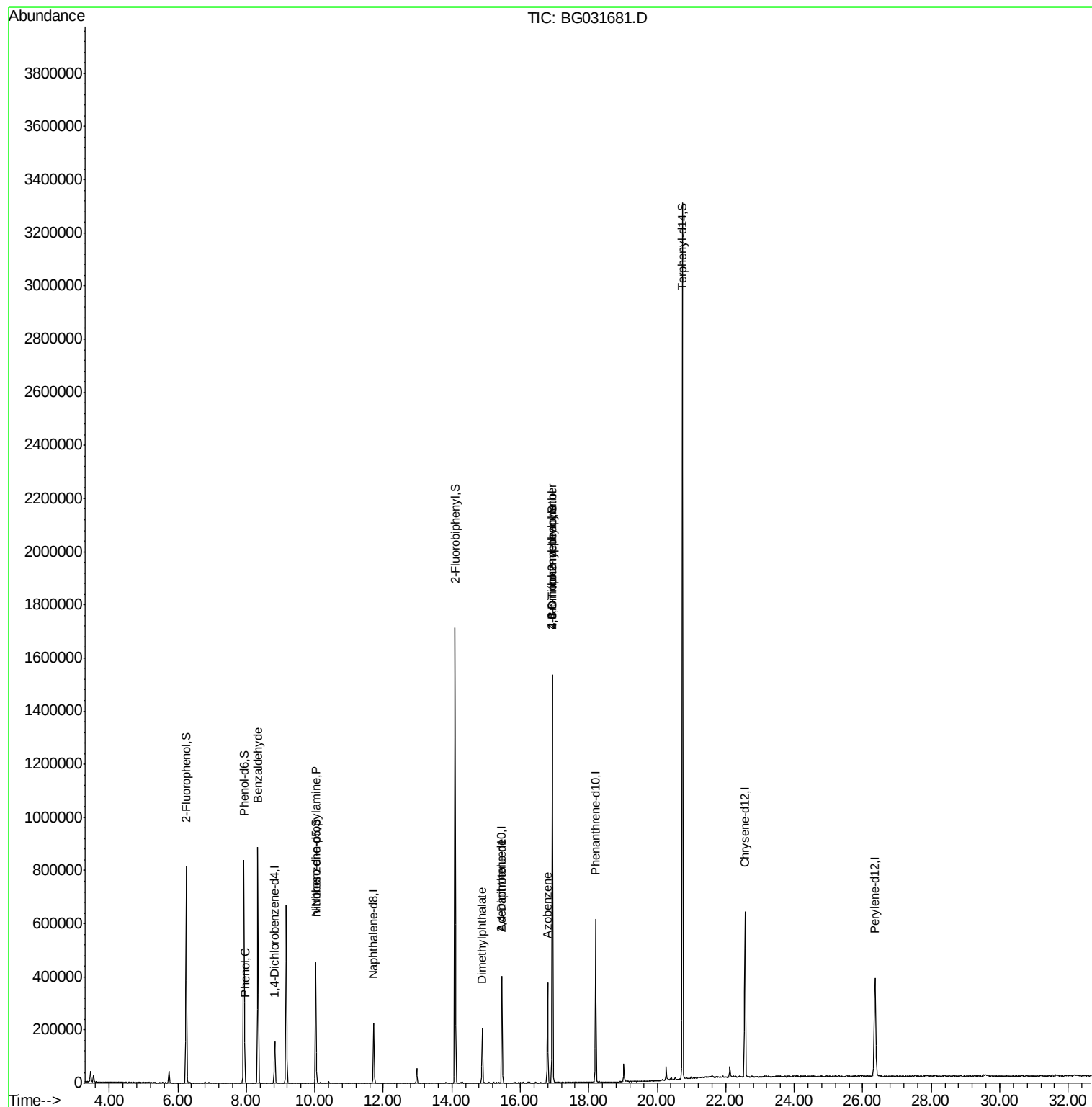
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	8.34	77	10524	4.506	ng	92
10) Phenol	7.96	94	24759	6.322	ng	83
19) n-Nitroso-di-n-propylamine	10.03	70	40487	15.283	ng	# 70
49) Dimethylphthalate	14.89	163	167606	12.013	ng	99
56) 2,4-Dinitrotoluene	15.46	165	20873	6.325	ng	# 17
62) Azobenzene	16.80	77	95806	10.986	ng	# 1
64) 4,6-Dinitro-2-methylphenol	16.93	198	851	8.653	ng	# 15
66) 4-Bromophenyl-phenylether	16.94	248	30498	5.059	ng	# 1

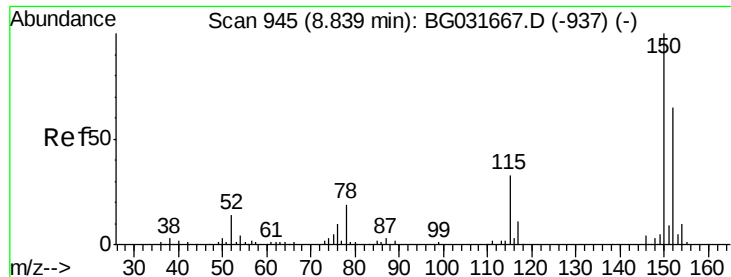
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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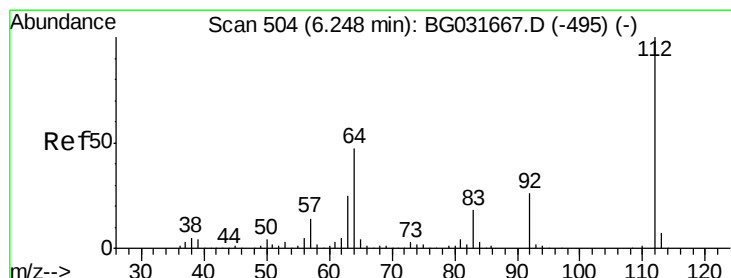
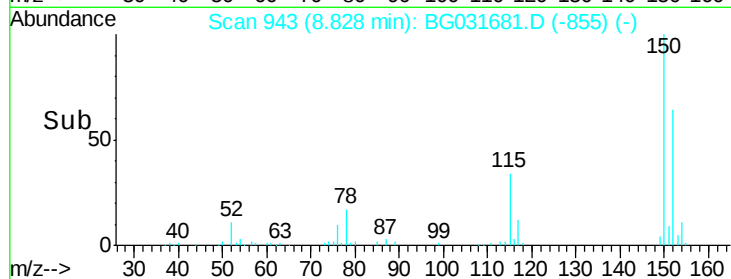
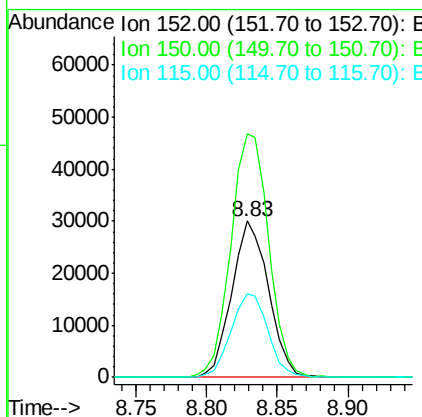
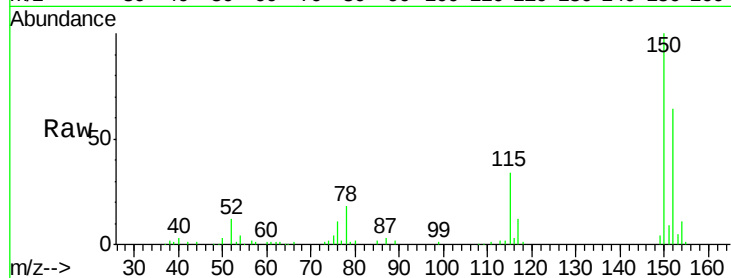


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.83 min Scan# 943
Delta R.T. -0.01 min
Lab File: BG031681.D
Acq: 21 Dec 2017 19:59

Instrument :
BNA_G
ClientSampleId :

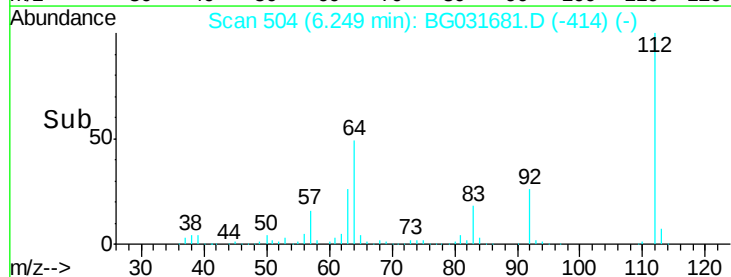
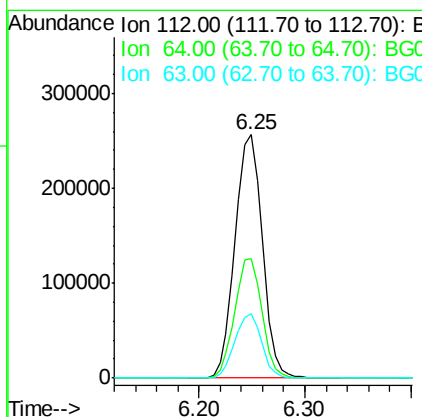
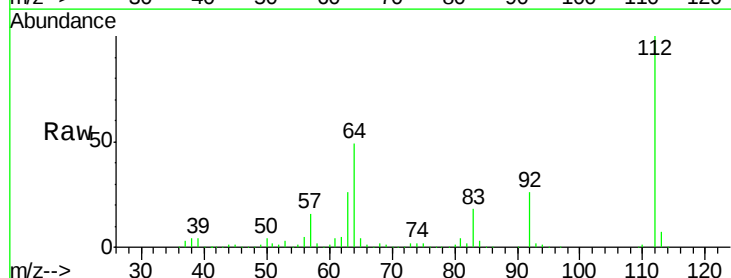
Tot Ion:152 Resp: 54417
Ion Ratio Lower Upper
152 100
150 156.1 126.6 189.8
115 53.8 53.0 79.4

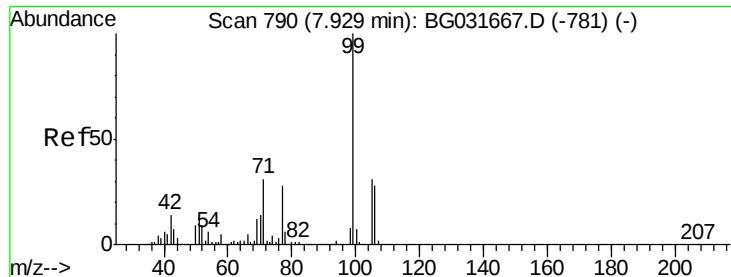


#5

2-Fluorophenol
Concen: 153.419 ng
RT: 6.25 min Scan# 504
Delta R.T. 0.00 min
Lab File: BG031681.D
Acq: 21 Dec 2017 19:59

Tgt Ion:112 Resp: 458365
Ion Ratio Lower Upper
112 100
64 48.8 56.3 84.5#
63 26.4 30.1 45.1#





#7

Phenol-d6

Concen: 153.479 ng

RT: 7.93 min Scan# 790

Delta R.T. 0.00 min

Lab File: BG031681.D

Acq: 21 Dec 2017 19:59

Instrument :

BNA_G

ClientSampleId :

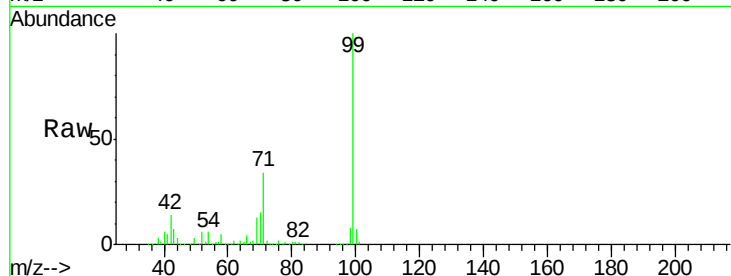
Tot Ion: 99 Resp: 595343

Ion Ratio Lower Upper

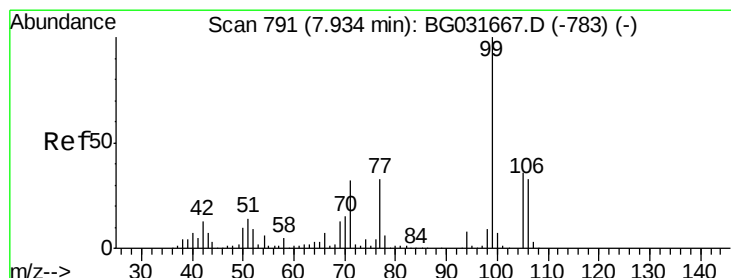
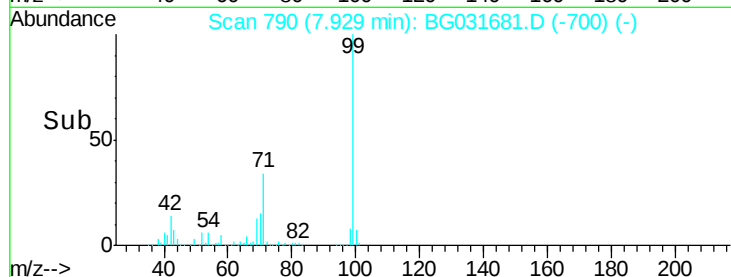
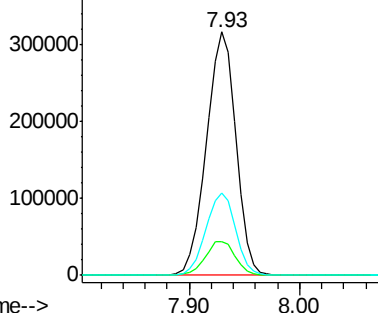
99 100

42 14.0 14.1 21.1#

71 34.1 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



#9

Benzaldehyde

Concen: 4.506 ng

RT: 8.34 min Scan# 860

Delta R.T. 0.41 min

Lab File: BG031681.D

Acq: 21 Dec 2017 19:59

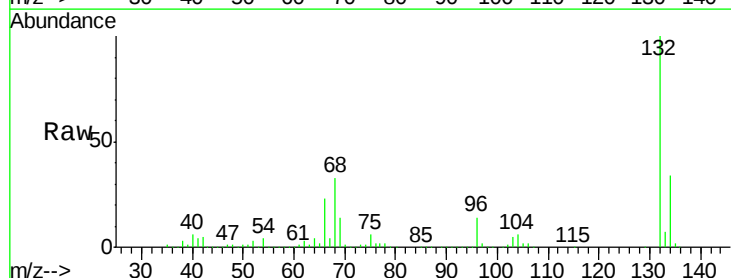
Tgt Ion: 77 Resp: 10524

Ion Ratio Lower Upper

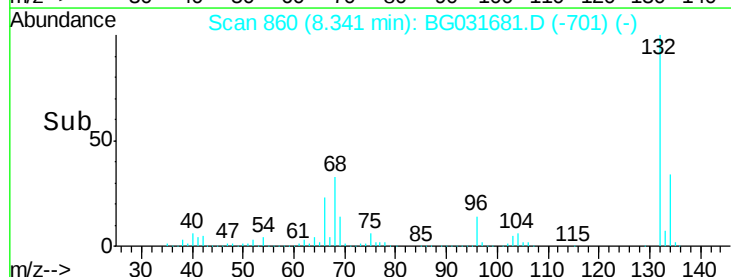
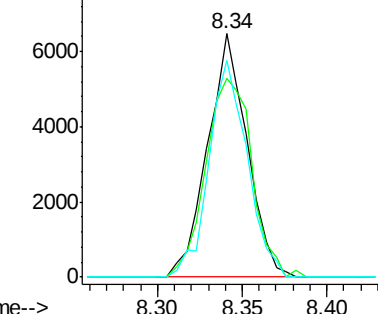
77 100

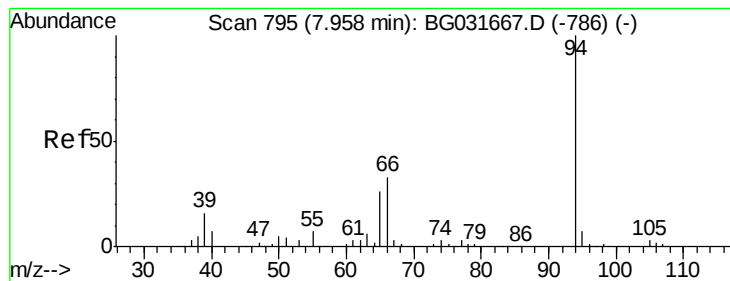
105 81.5 71.3 111.3

106 89.2 64.2 104.2



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: 6.322 ng

RT: 7.96 min Scan# 795

Delta R.T. 0.00 min

Lab File: BG031681.D

Acq: 21 Dec 2017 19:59

Instrument :

BNA_G

ClientSampleId :

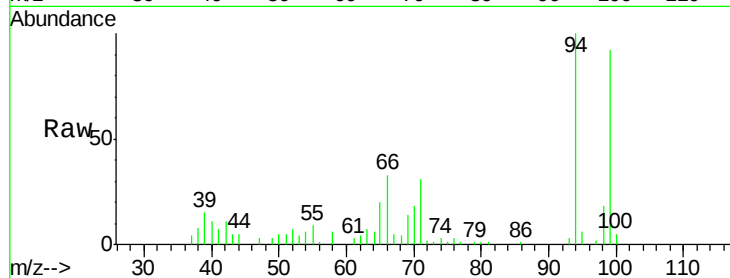
Tot Ion: 94 Resp: 24759

Ion Ratio Lower Upper

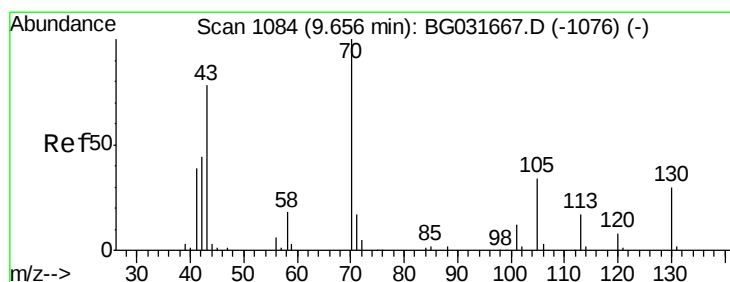
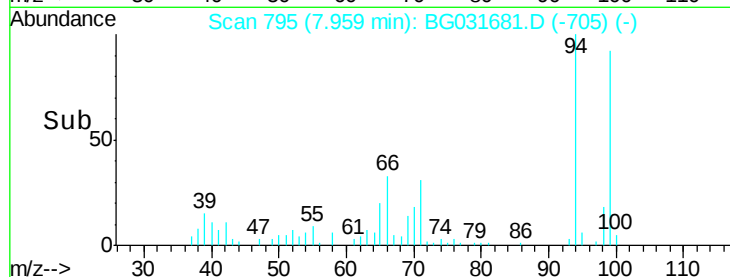
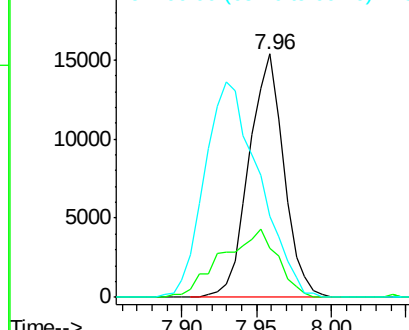
94 100

65 20.4 11.9 51.9

66 33.3 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 15.283 ng

RT: 10.03 min Scan# 1148

Delta R.T. 0.38 min

Lab File: BG031681.D

Acq: 21 Dec 2017 19:59

Tgt Ion: 70 Resp: 40487

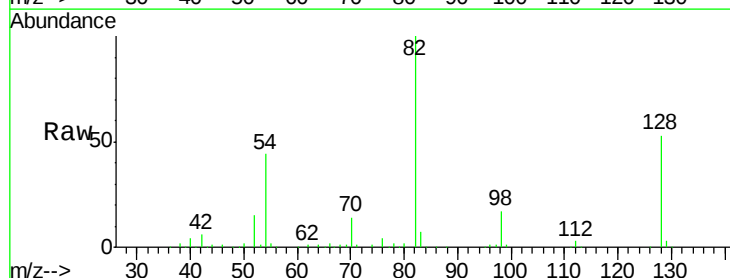
Ion Ratio Lower Upper

70 100

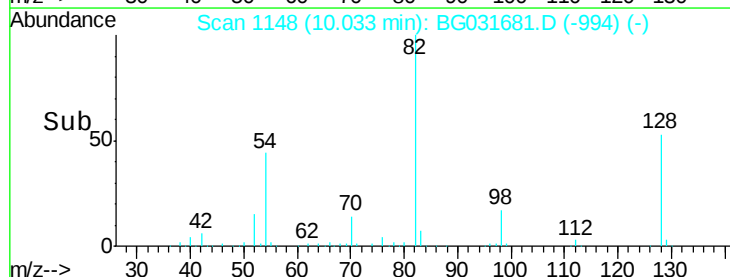
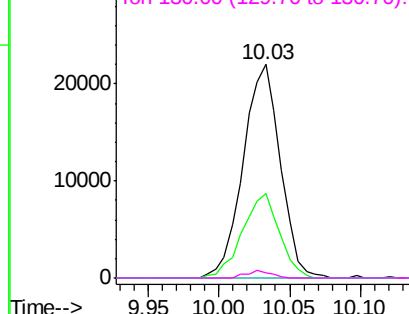
42 39.5 49.1 73.7#

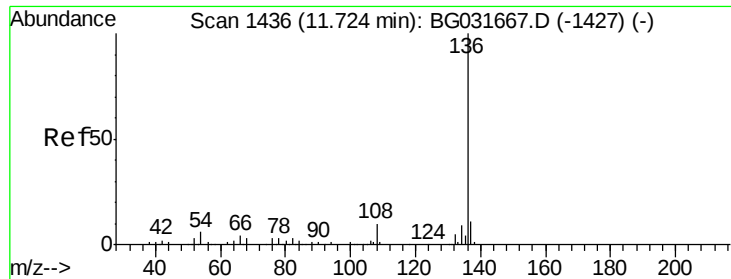
101 0.0 8.5 12.7#

130 2.2 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

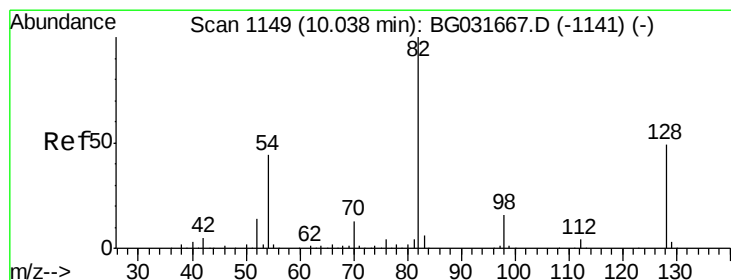
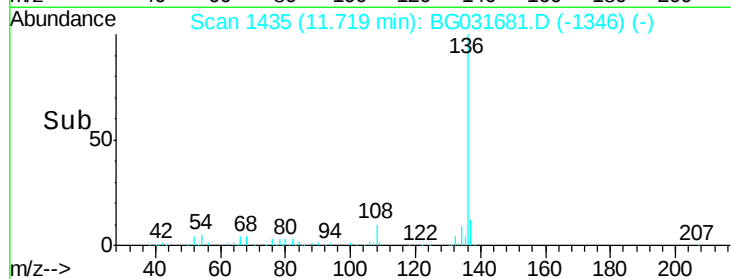
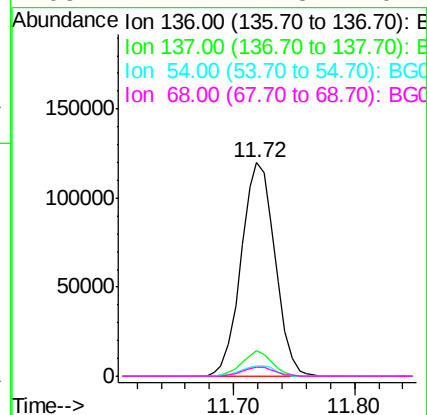
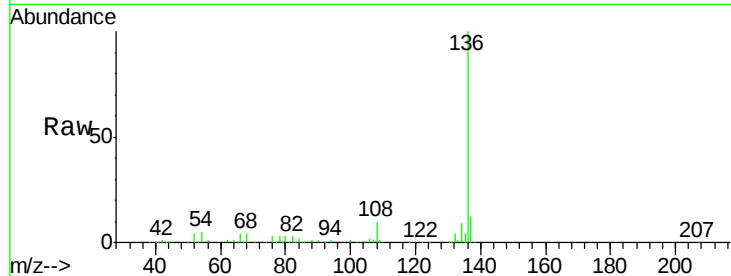




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.72 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BG031681.D
Acq: 21 Dec 2017 19:59

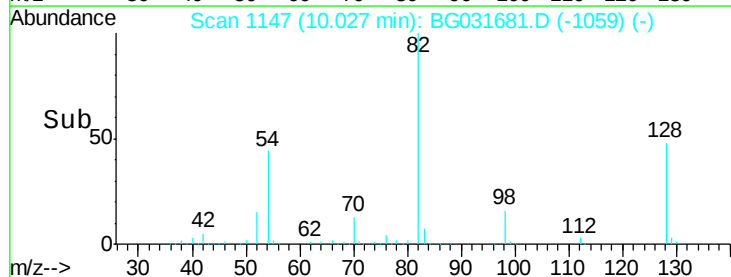
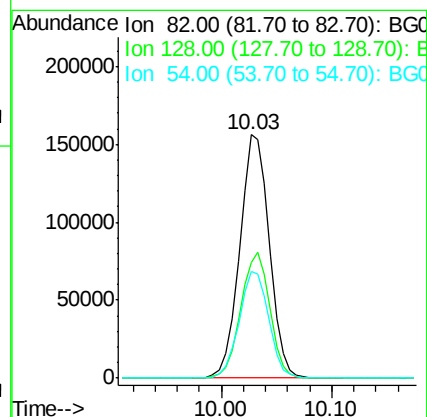
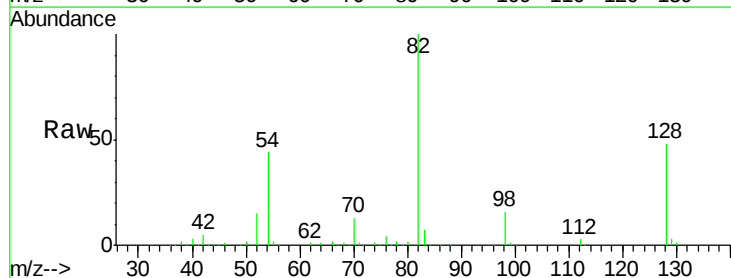
Instrument :
BNA_G
ClientSampleId :

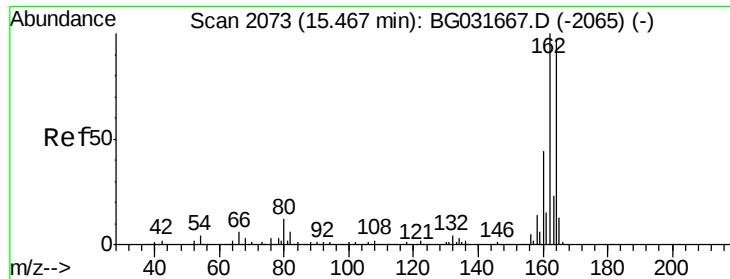
Tot Ion:136	Resp:	232877
Ion	Ratio	Lower Upper
136	100	
137	12.0	9.2 13.8
54	4.9	10.3 15.5#
68	4.1	4.5 6.7#



#23
Nitrobenzene-d5
Concen: 95.125 ng
RT: 10.03 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BG031681.D
Acq: 21 Dec 2017 19:59

Tgt Ion: 82	Resp:	293363
Ion	Ratio	Lower Upper
82	100	
128	47.6	29.7 44.5#
54	44.0	43.1 64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.46 min Scan# 2072

Delta R.T. -0.01 min

Lab File: BG031681.D

Acq: 21 Dec 2017 19:59

Instrument :

BNA_G

ClientSampleId :

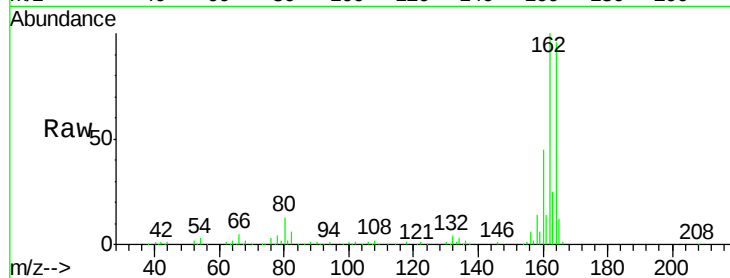
Tot Ion:164 Resp: 158367

Ion Ratio Lower Upper

164 100

162 104.6 78.8 118.2

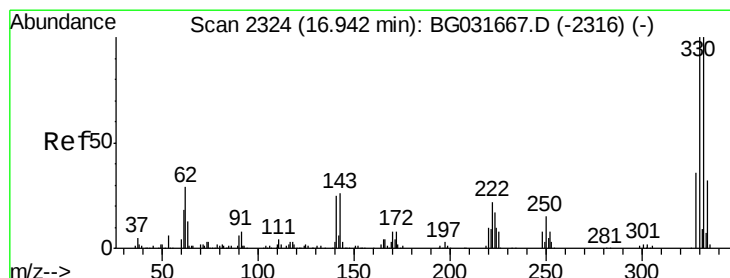
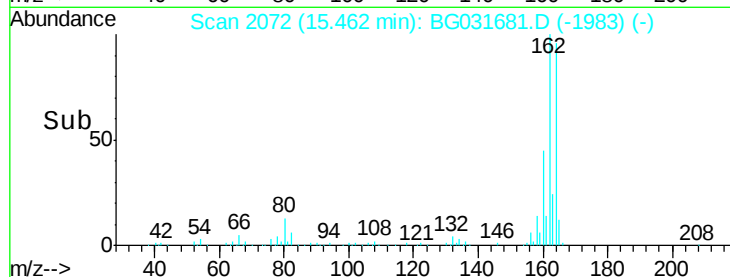
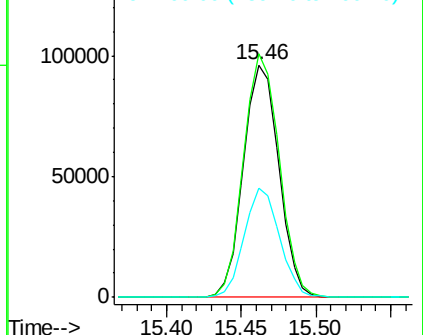
160 47.0 35.4 53.0



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: 155.082 ng

RT: 16.94 min Scan# 2324

Delta R.T. 0.00 min

Lab File: BG031681.D

Acq: 21 Dec 2017 19:59

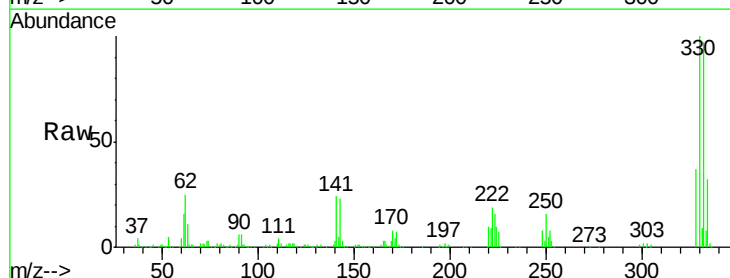
Tgt Ion:330 Resp: 374750

Ion Ratio Lower Upper

330 100

332 96.2 77.0 115.6

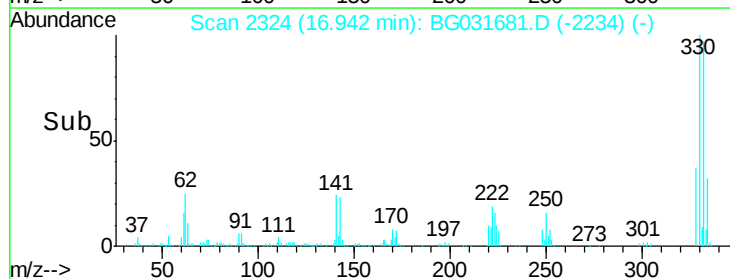
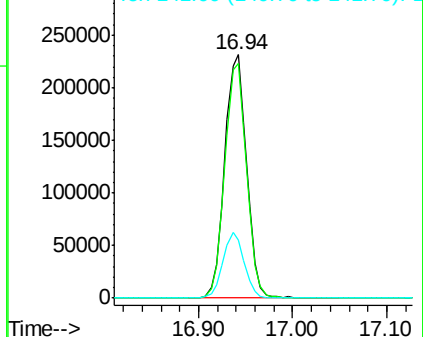
141 26.3 25.2 37.8

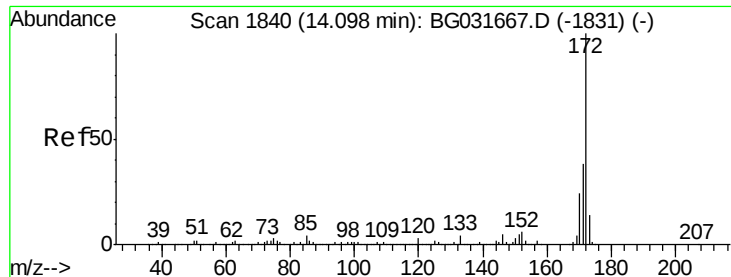


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

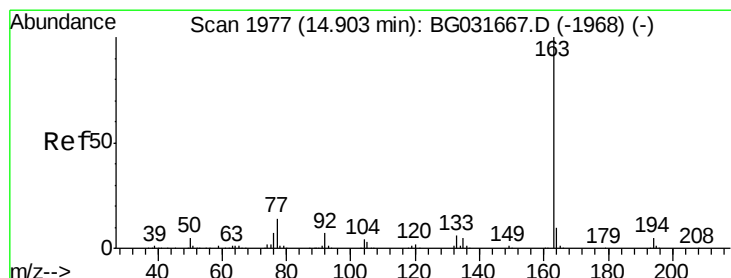
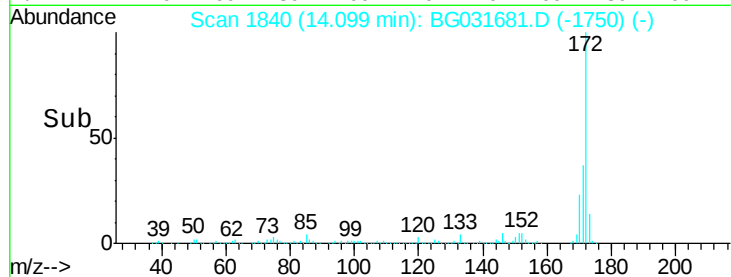
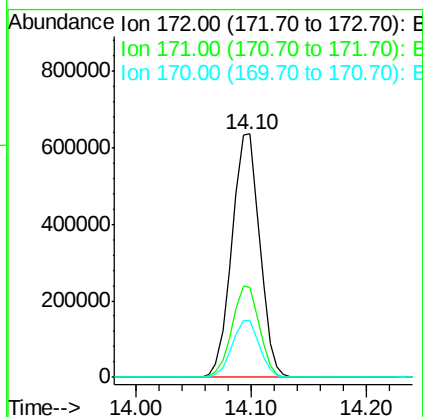
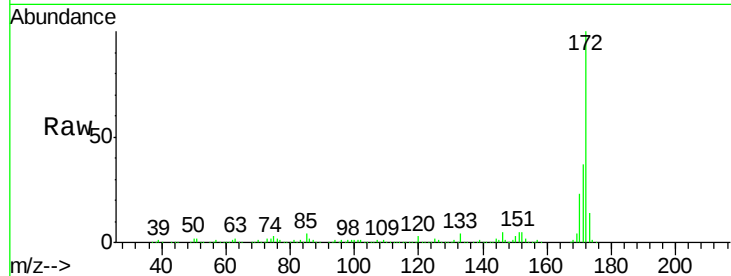




#44
2-Fluorobiphenyl
Concen: 84.243 ng
RT: 14.10 min Scan# 1840
Delta R.T. 0.00 min
Lab File: BG031681.D
Acq: 21 Dec 2017 19:59

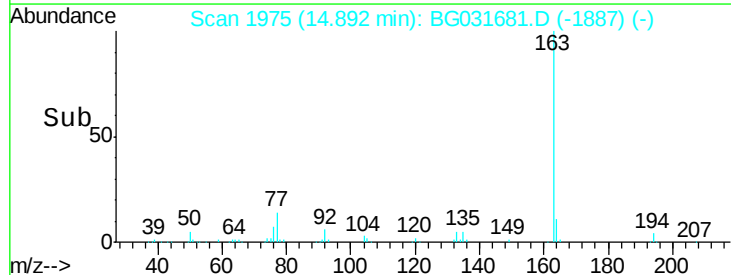
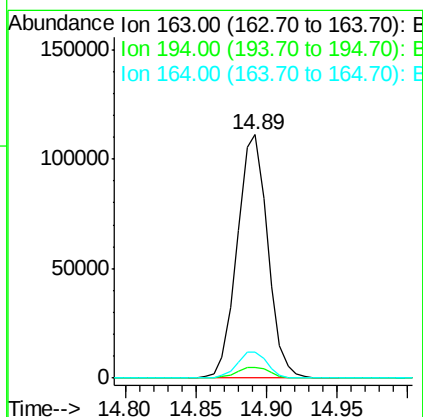
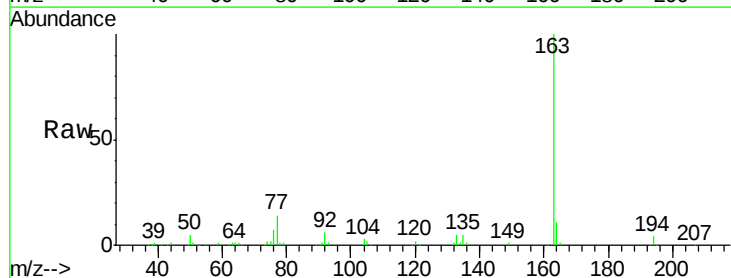
Instrument :
BNA_G
ClientSampleId :

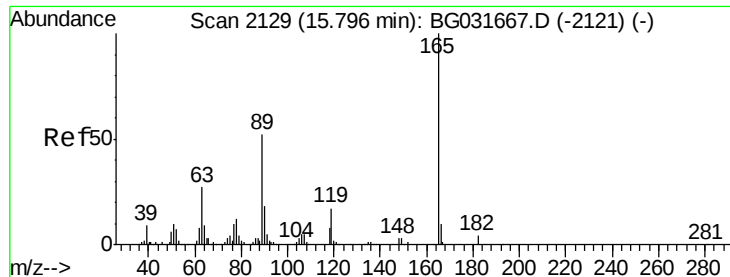
Tot Ion:172 Resp: 1062940
Ion Ratio Lower Upper
172 100
171 37.0 30.0 45.0
170 23.4 19.5 29.3



#49
Dimethylphthalate
Concen: 12.013 ng
RT: 14.89 min Scan# 1975
Delta R.T. -0.01 min
Lab File: BG031681.D
Acq: 21 Dec 2017 19:59

Tgt Ion:163 Resp: 167606
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.2
164 10.7 8.2 12.4

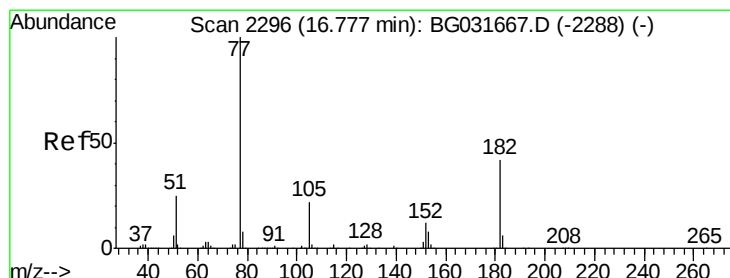
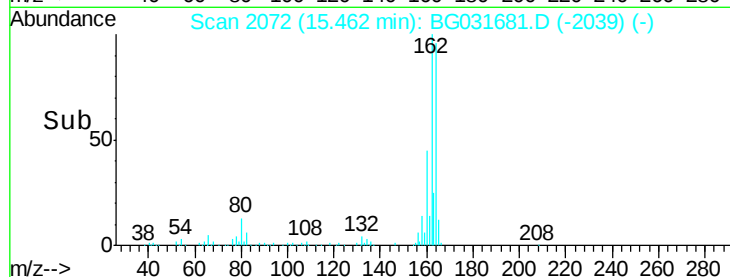
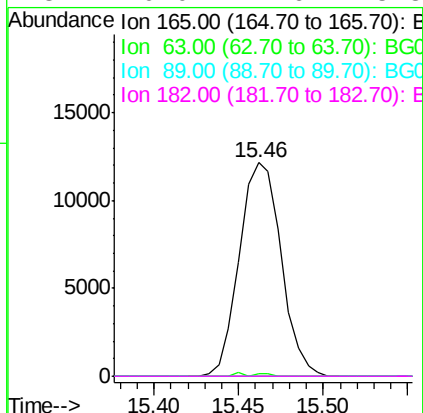
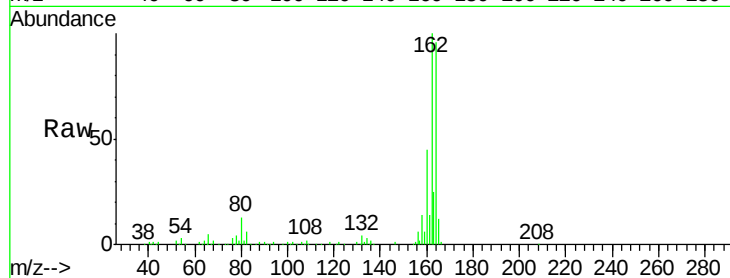




#56
 2,4-Dinitrotoluene
 Concen: 6.325 ng
 RT: 15.46 min Scan# 2072
 Delta R.T. -0.33 min
 Lab File: BG031681.D
 Acq: 21 Dec 2017 19:59

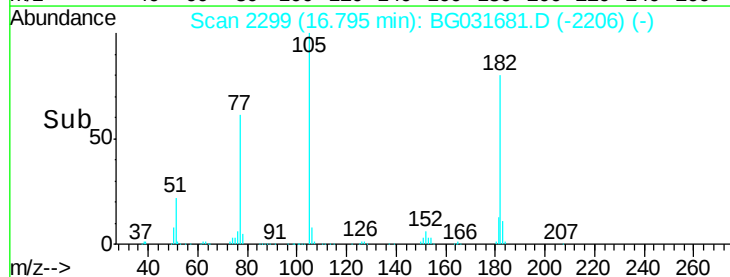
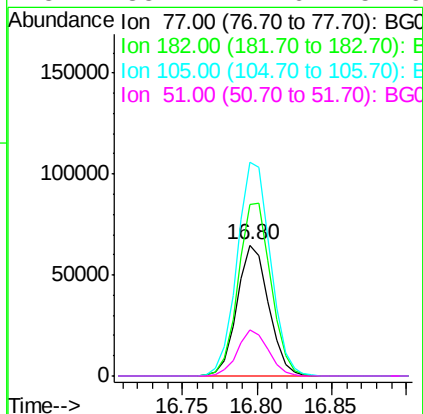
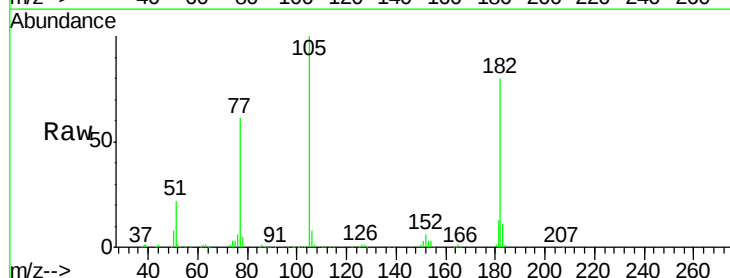
Instrument :
 BNA_G
 ClientSampleId :

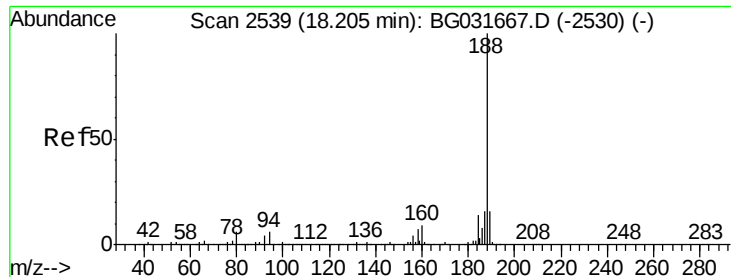
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#



#62
 Azobenzene
 Concen: 10.986 ng
 RT: 16.80 min Scan# 2299
 Delta R.T. 0.02 min
 Lab File: BG031681.D
 Acq: 21 Dec 2017 19:59

Tgt Ion	Ratio	Lower	Upper
77	100		
182	131.0	7.4	47.4#
105	163.1	0.3	40.3#
51	35.1	11.6	51.6

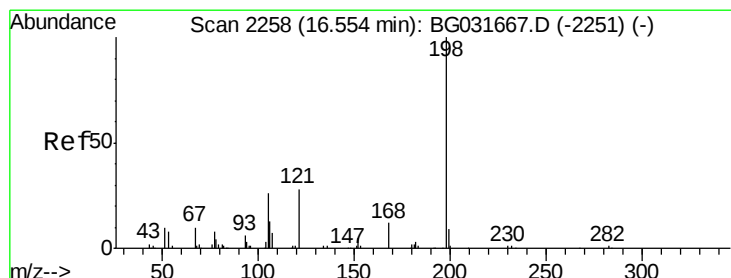
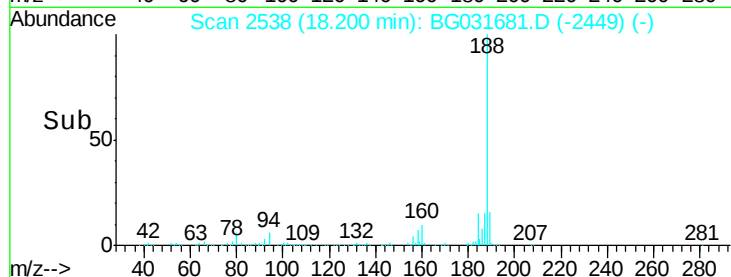
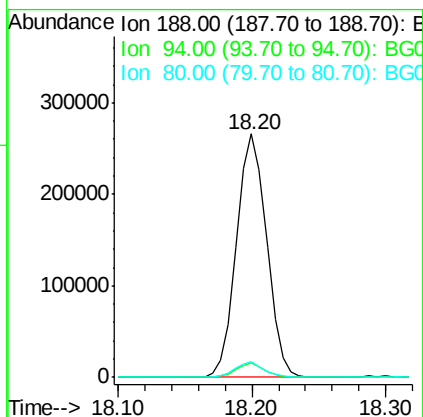
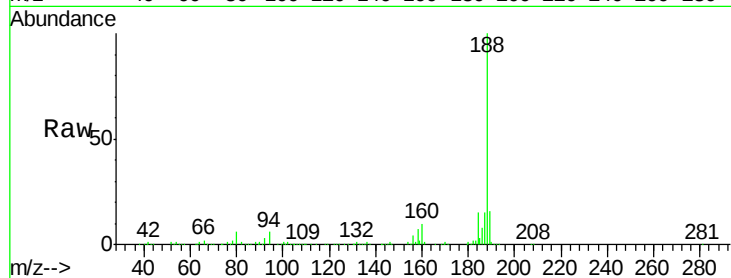




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.20 min Scan# 2538
Delta R.T. -0.01 min
Lab File: BG031681.D
Acq: 21 Dec 2017 19:59

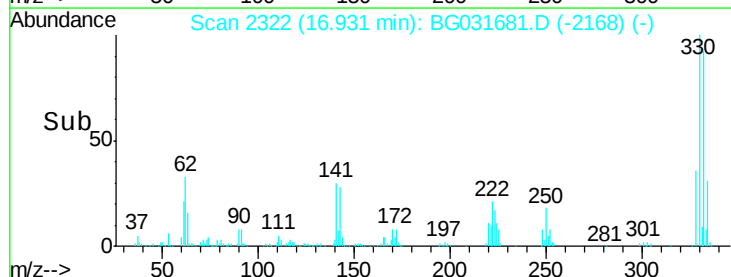
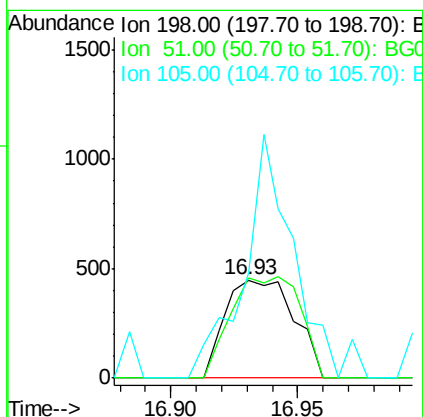
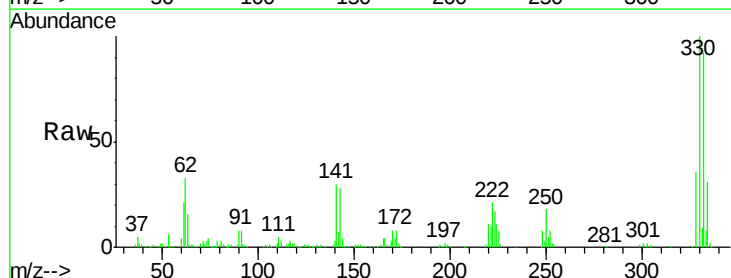
Instrument :
BNA_G
ClientSampleId :

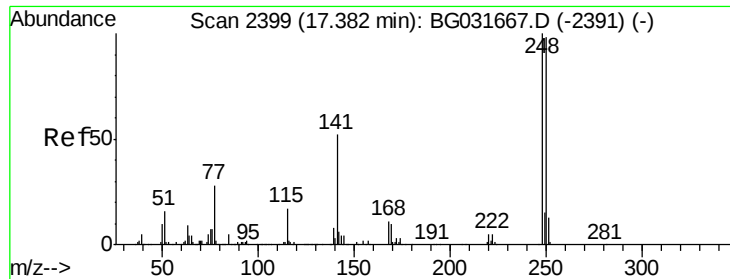
Tot Ion:188 Resp: 416904
Ion Ratio Lower Upper
188 100
94 6.1 6.9 10.3#
80 6.3 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 8.653 ng
RT: 16.93 min Scan# 2322
Delta R.T. 0.38 min
Lab File: BG031681.D
Acq: 21 Dec 2017 19:59

Tgt Ion:198 Resp: 851
Ion Ratio Lower Upper
198 100
51 101.8 30.6 70.6#
105 106.9 23.8 63.8#

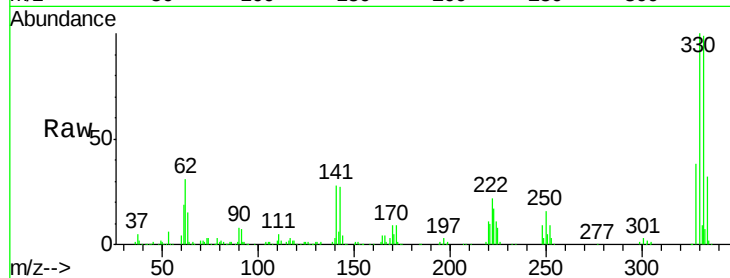




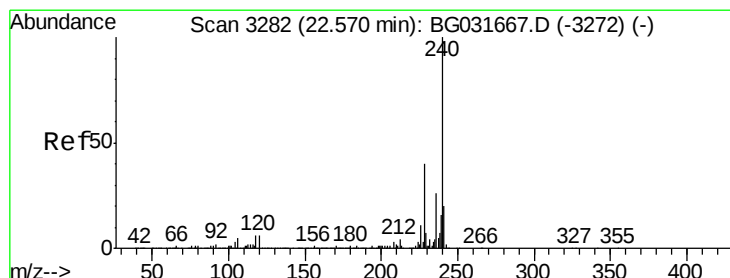
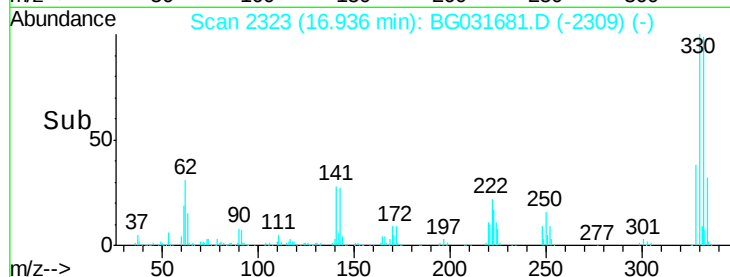
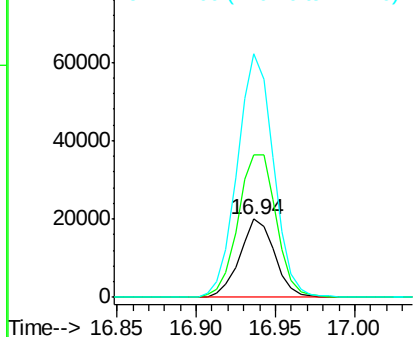
#66
4-Bromophenyl-phenylether
Concen: 5.059 ng
RT: 16.94 min Scan# 2323
Delta R.T. -0.45 min
Lab File: BG031681.D
Acq: 21 Dec 2017 19:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 30498
Ion Ratio Lower Upper
248 100
250 182.5 77.1 115.7#
141 312.2 50.8 76.2#

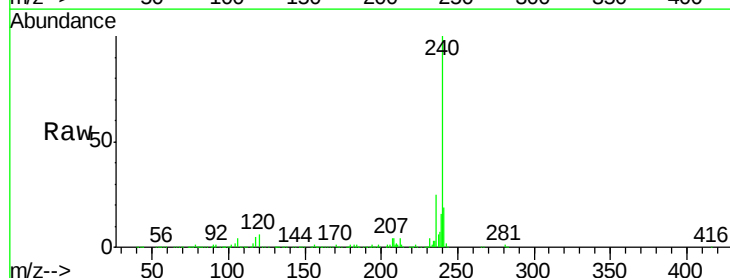


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

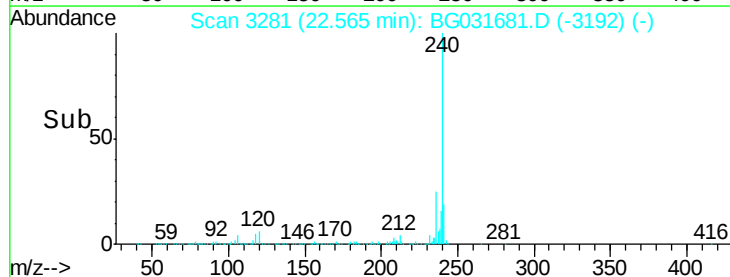
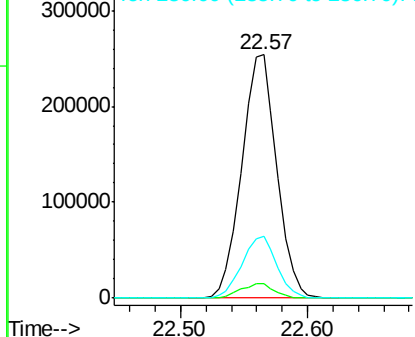


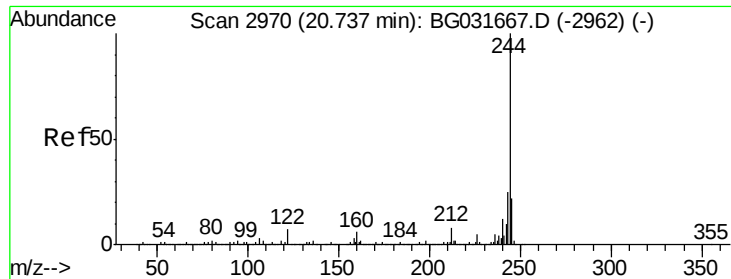
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.57 min Scan# 3281
Delta R.T. -0.01 min
Lab File: BG031681.D
Acq: 21 Dec 2017 19:59

Tgt Ion:240 Resp: 485961
Ion Ratio Lower Upper
240 100
120 5.9 6.8 10.2#
236 25.3 20.9 31.3



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

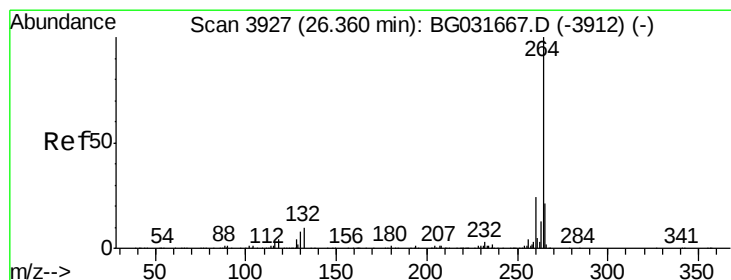
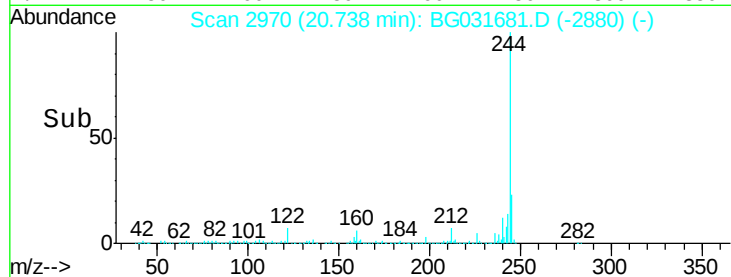
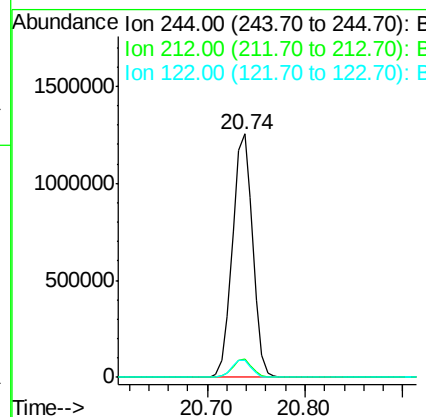
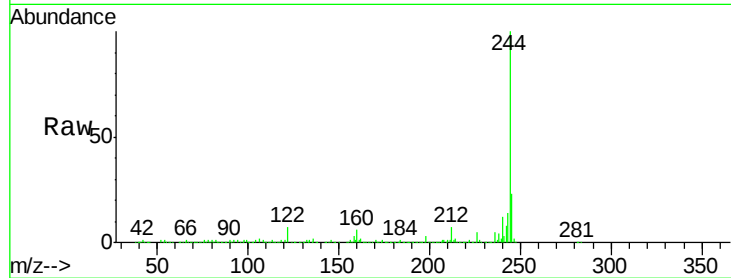




#78
 Terphenyl-d14
 Concen: 84.193 ng
 RT: 20.74 min Scan# 2970
 Delta R.T. 0.00 min
 Lab File: BG031681.D
 Acq: 21 Dec 2017 19:59

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1790852
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.8
 122 7.0 7.0 10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.36 min Scan# 3927
 Delta R.T. 0.00 min
 Lab File: BG031681.D
 Acq: 21 Dec 2017 19:59

Tgt Ion:264 Resp: 513561
 Ion Ratio Lower Upper
 264 100
 260 23.5 17.4 26.0
 265 21.3 17.7 26.5

