

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122117\
 Data File : BG031707.D
 Acq On : 22 Dec 2017 12:30
 Operator : SJ/JU
 Sample : I6971-11
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 22 13:45:31 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 11:08:55 2017
 Response via : Initial Calibration

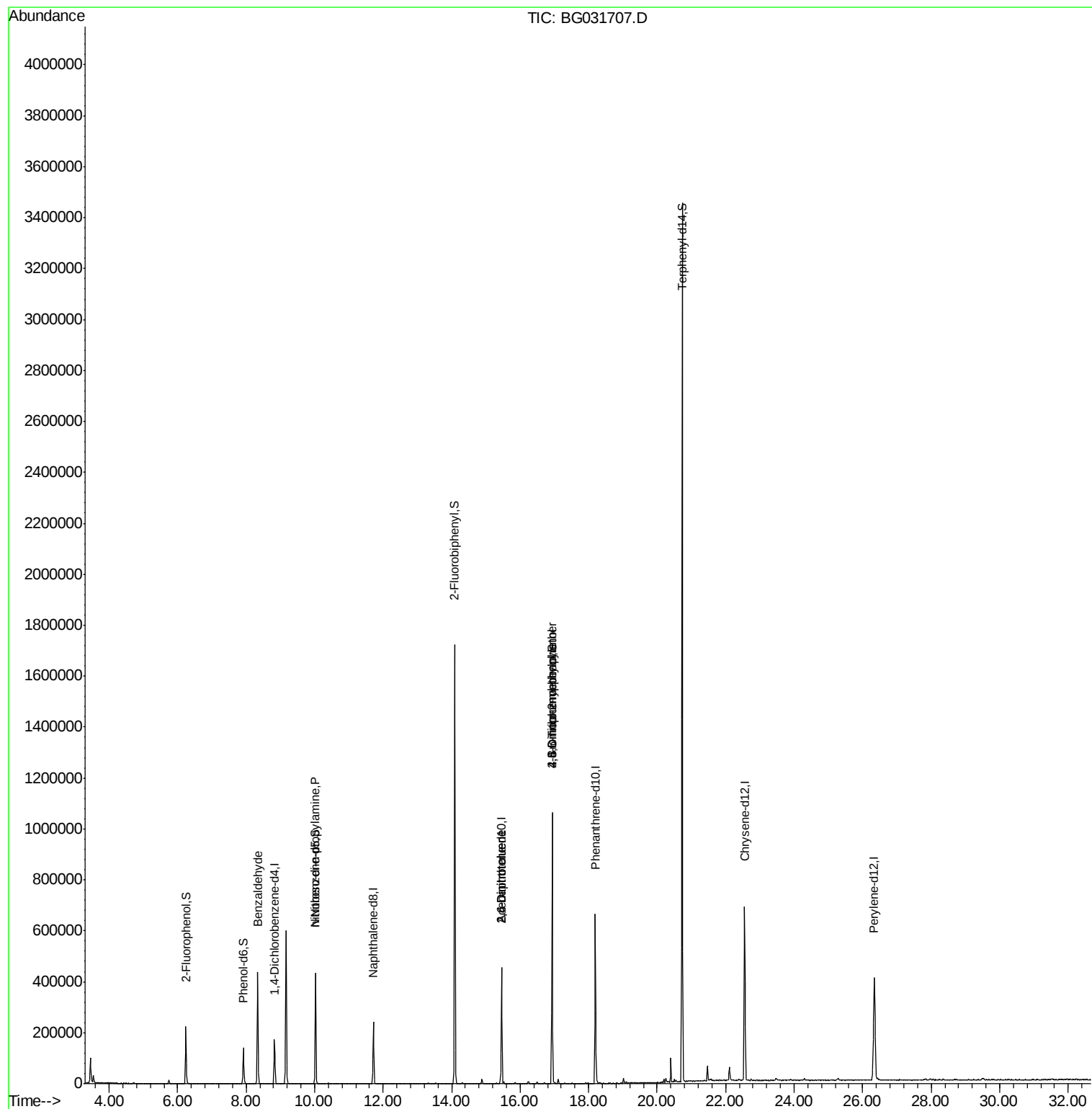
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.83	152	58539	20.00	ng	-0.01
21) Naphthalene-d8	11.72	136	246524	20.00	ng	0.00
38) Acenaphthene-d10	15.46	164	178089	20.00	ng	0.00
63) Phenanthrene-d10	18.20	188	466324	20.00	ng	0.00
75) Chrysene-d12	22.56	240	540470	20.00	ng	-0.01
86) Perylene-d12	26.34	264	570337	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.24	112	124730	38.81	ng	0.00
7) Phenol-d6	7.92	99	97559	23.38	ng	0.00
23) Nitrobenzene-d5	10.02	82	275274	84.32	ng	-0.01
41) 2,4,6-Tribromophenol	16.93	330	249860	91.95	ng	0.00
44) 2-Fluorobiphenyl	14.09	172	1066681	75.18	ng	0.00
78) Terphenyl-d14	20.73	244	1854312	78.38	ng	0.00
Target Compounds						
9) Benzaldehyde	8.34	77	5031	2.002	ng	95
19) n-Nitroso-di-n-propylamine	10.02	70	36374	12.764	ng	# 71
50) 2,6-Dinitrotoluene	15.45	165	23342	8.088	ng	# 20
56) 2,4-Dinitrotoluene	15.45	165	23342	6.290	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.93	198	605	8.526	ng	# 15
66) 4-Bromophenyl-phenylether	16.93	248	20100	2.981	ng	# 1

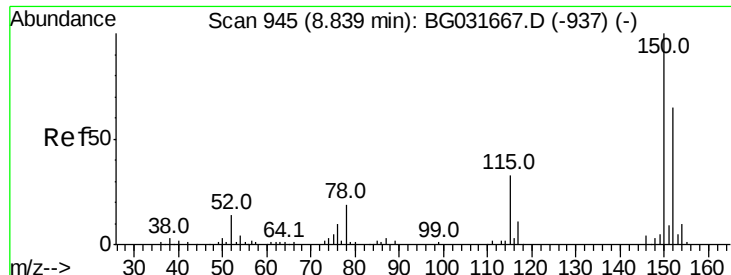
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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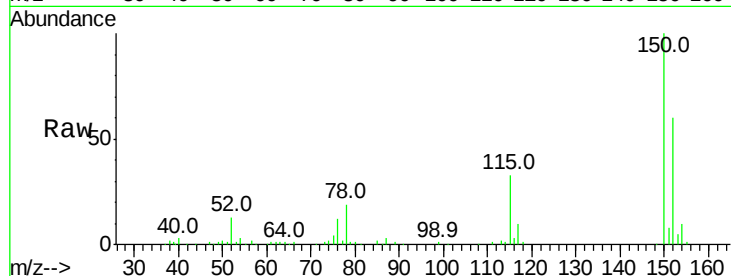


#1

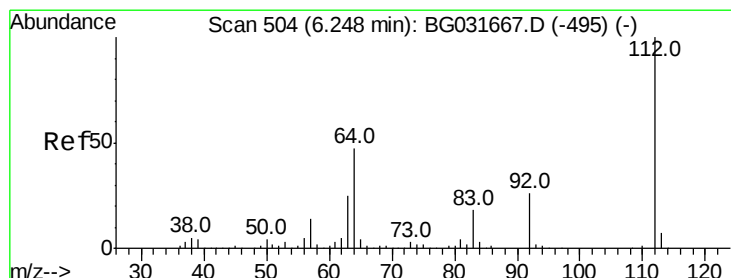
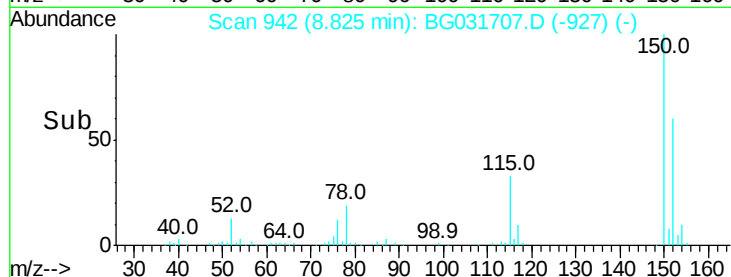
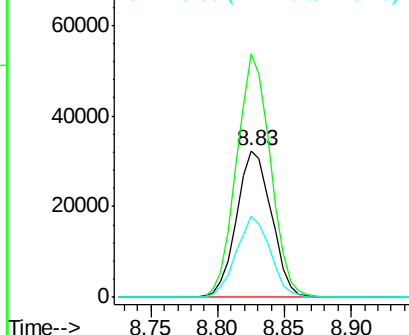
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.83 min Scan# 942
Delta R.T. -0.01 min
Lab File: BG031707.D
Acq: 22 Dec 2017 12:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 58539
Ion Ratio Lower Upper
152 100
150 165.7 126.6 189.8
115 55.1 53.0 79.4



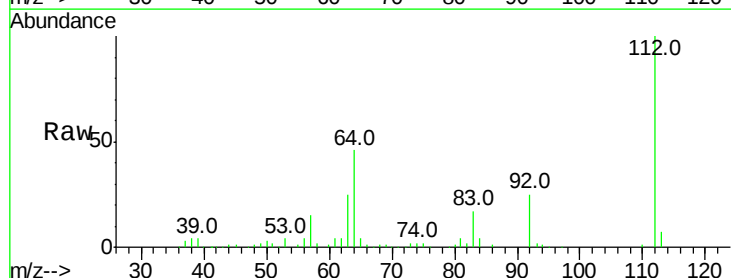
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



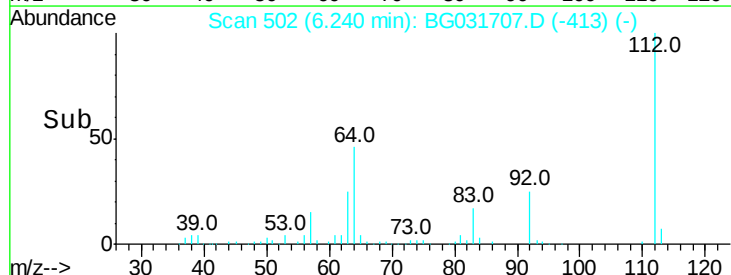
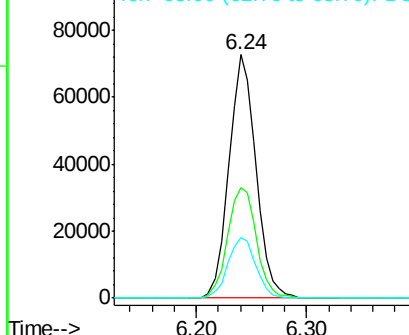
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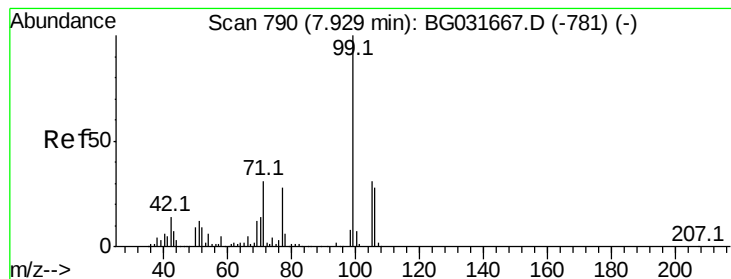
2-Fluorophenol
Concen: 38.809 ng
RT: 6.24 min Scan# 502
Delta R.T. -0.01 min
Lab File: BG031707.D
Acq: 22 Dec 2017 12:30

Tgt Ion:112 Resp: 124730
Ion Ratio Lower Upper
112 100
64 45.5 56.3 84.5#
63 25.1 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 23.380 ng

RT: 7.92 min Scan# 788

Delta R.T. -0.01 min

Lab File: BG031707.D

Acq: 22 Dec 2017 12:30

Instrument :

BNA_G

ClientSampleId :

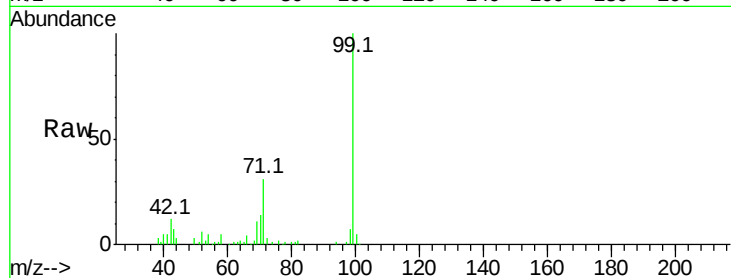
Tot Ion: 99 Resp: 97559

Ion Ratio Lower Upper

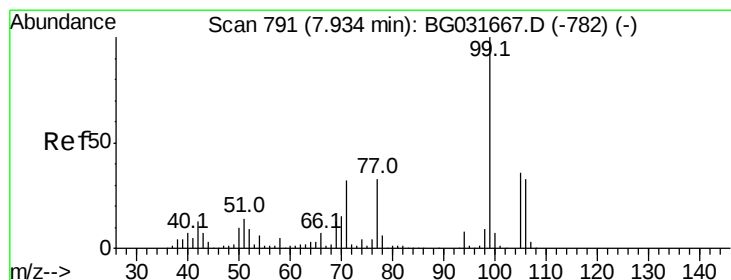
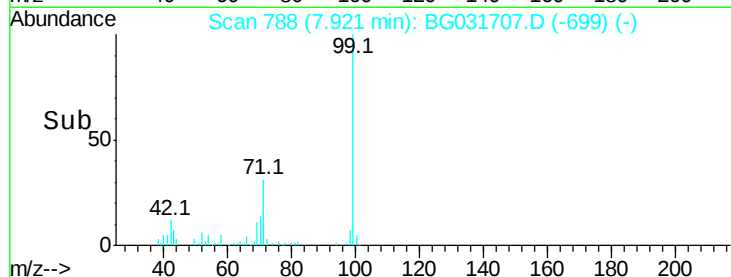
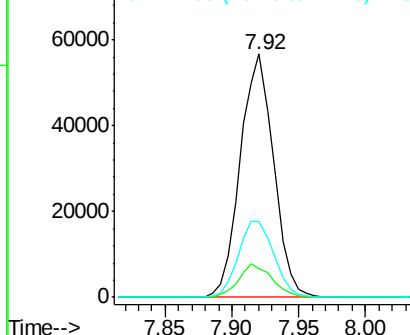
99 100

42 11.6 14.1 21.1#

71 31.4 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: 2.002 ng

RT: 8.34 min Scan# 859

Delta R.T. 0.40 min

Lab File: BG031707.D

Acq: 22 Dec 2017 12:30

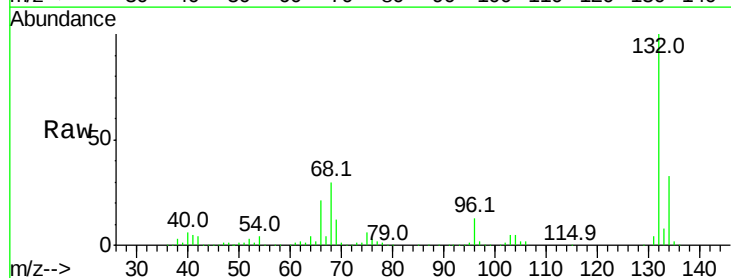
Tgt Ion: 77 Resp: 5031

Ion Ratio Lower Upper

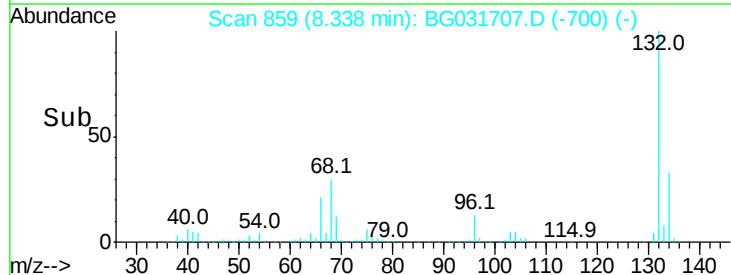
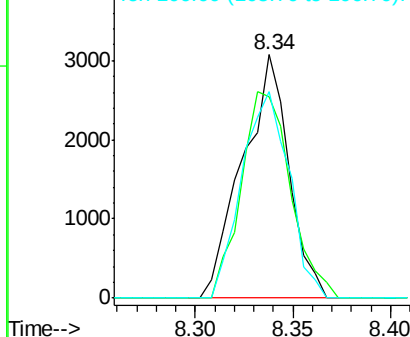
77 100

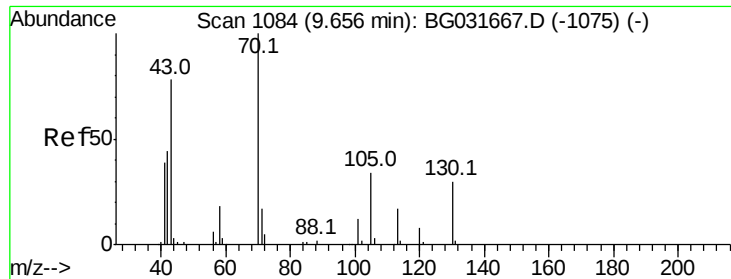
105 82.5 71.3 111.3

106 84.6 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

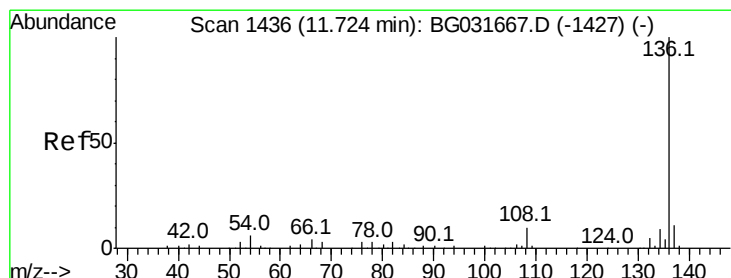
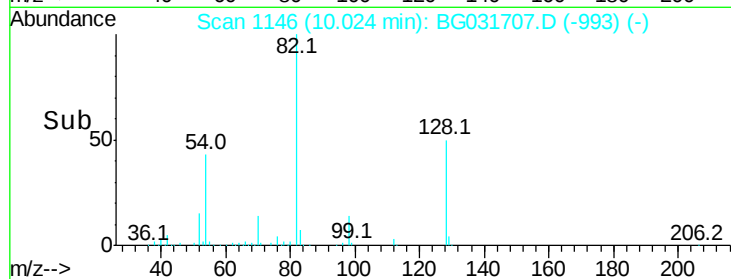
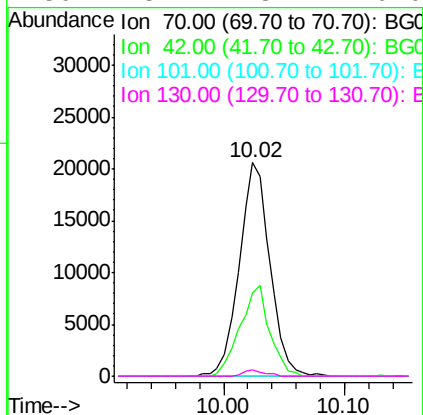
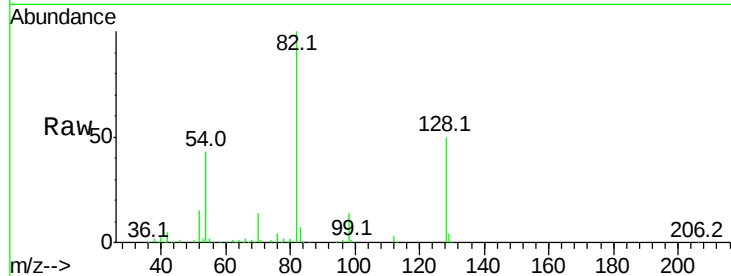




#19
n-Nitroso-di-n-propylamine
Concen: 12.764 ng
RT: 10.02 min Scan# 1146
Delta R.T. 0.37 min
Lab File: BG031707.D
Acq: 22 Dec 2017 12:30

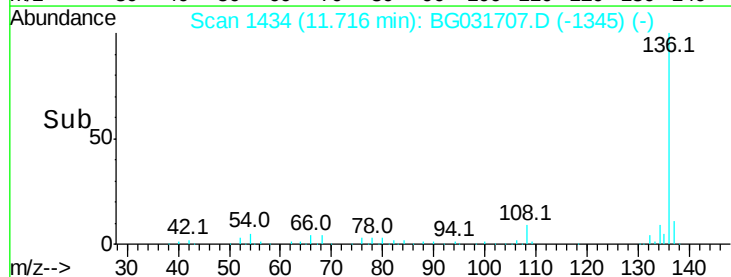
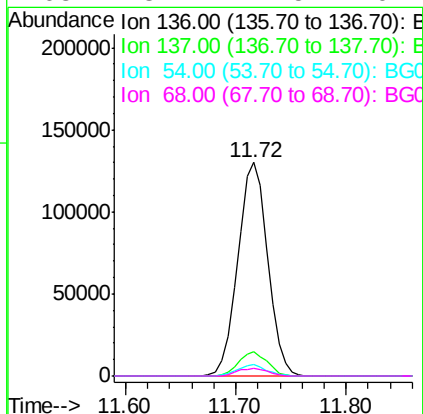
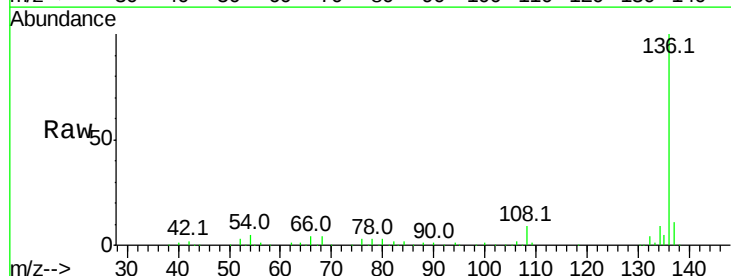
Instrument :
BNA_G
ClientSampleId :

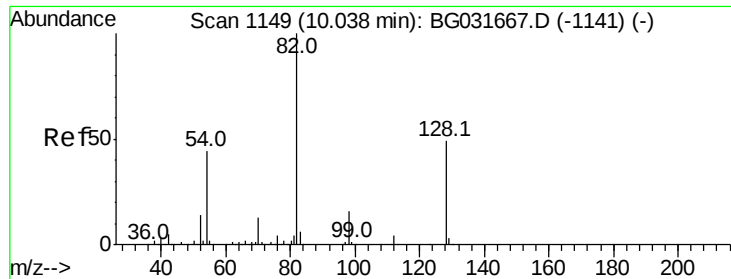
Tot Ion: 70 Resp: 36374
Ion Ratio Lower Upper
70 100
42 39.2 49.1 73.7#
101 0.0 8.5 12.7#
130 3.1 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.72 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BG031707.D
Acq: 22 Dec 2017 12:30

Tgt Ion: 136 Resp: 246524
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 5.2 10.3 15.5#
68 3.7 4.5 6.7#

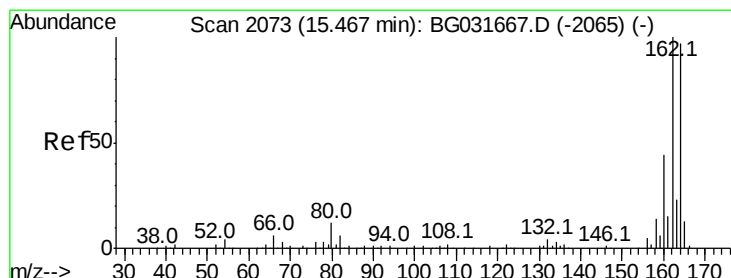
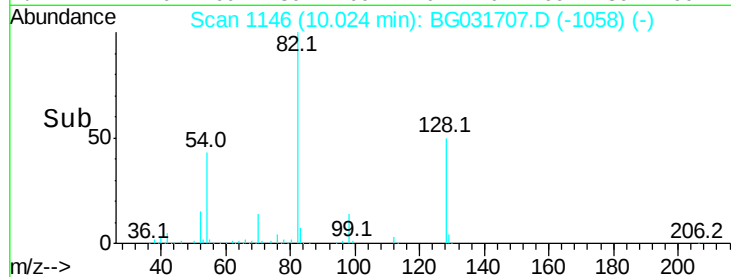
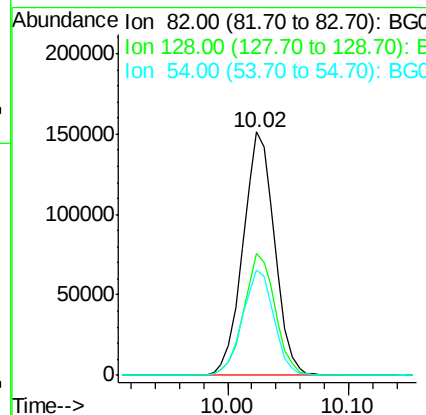
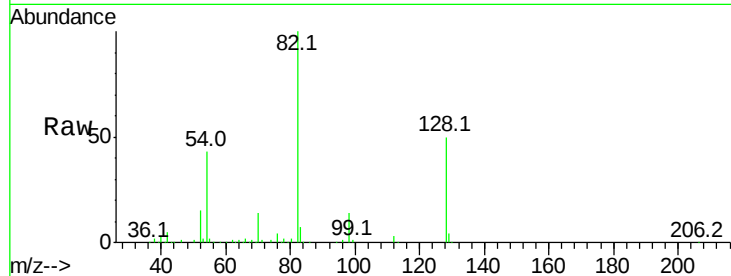




#23
Nitrobenzene-d5
Concen: 84.319 ng
RT: 10.02 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BG031707.D
Acq: 22 Dec 2017 12:30

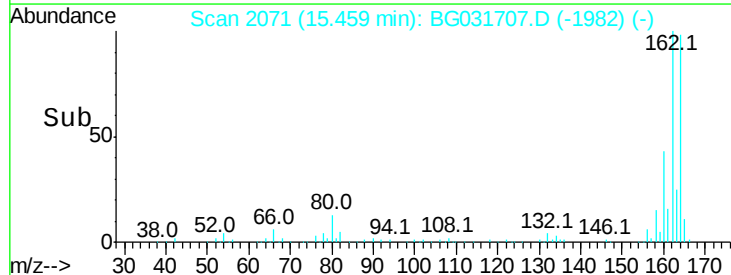
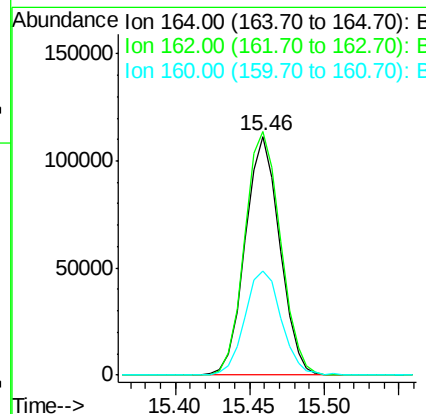
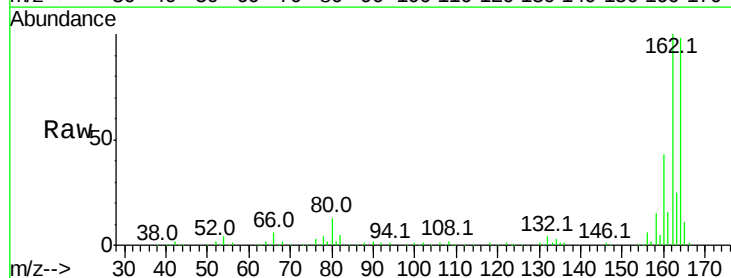
Instrument :
BNA_G
ClientSampleId :

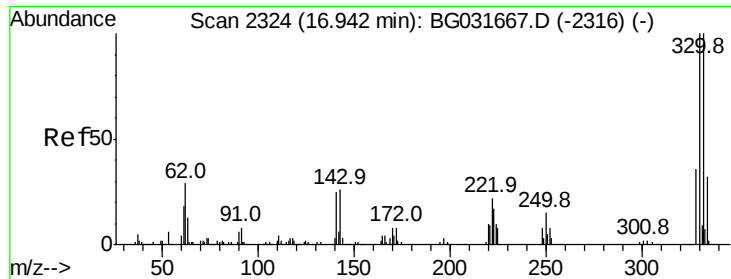
Tot Ion: 82 Resp: 275274
Ion Ratio Lower Upper
82 100
128 50.3 29.7 44.5#
54 43.4 43.1 64.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.46 min Scan# 2071
Delta R.T. -0.01 min
Lab File: BG031707.D
Acq: 22 Dec 2017 12:30

Tgt Ion:164 Resp: 178089
Ion Ratio Lower Upper
164 100
162 102.0 78.8 118.2
160 43.4 35.4 53.0





#41

2,4,6-Tribromophenol

Concen: 91.948 ng

RT: 16.93 min Scan# 2322

Delta R.T. -0.01 min

Lab File: BG031707.D

Acq: 22 Dec 2017 12:30

Instrument :

BNA_G

ClientSampleId :

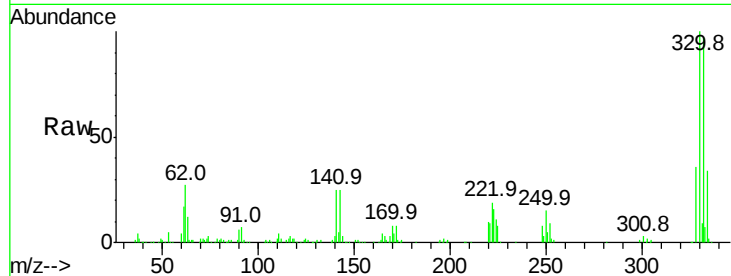
Tot Ion:330 Resp: 249860

Ion Ratio Lower Upper

330 100

332 97.8 77.0 115.6

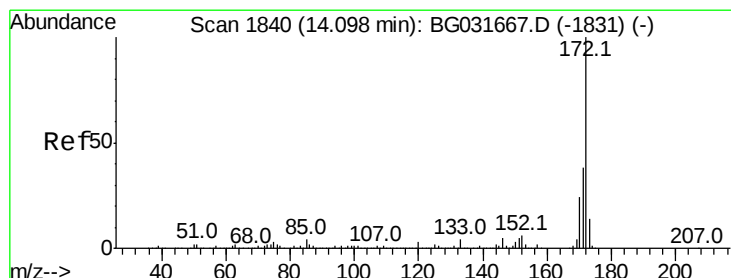
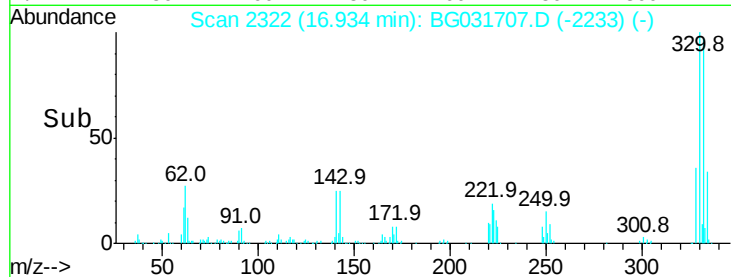
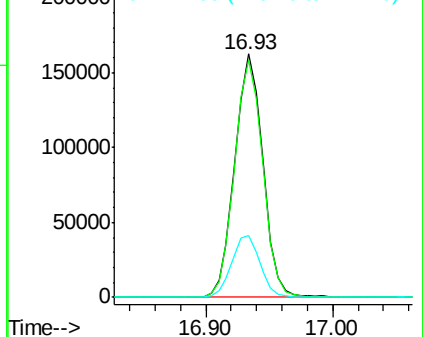
141 25.7 25.2 37.8



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: 75.177 ng

RT: 14.09 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BG031707.D

Acq: 22 Dec 2017 12:30

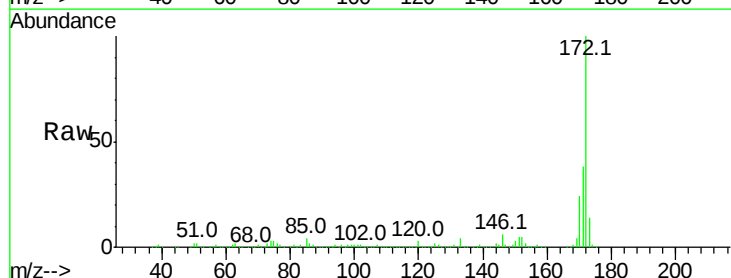
Tgt Ion:172 Resp: 1066681

Ion Ratio Lower Upper

172 100

171 38.1 30.0 45.0

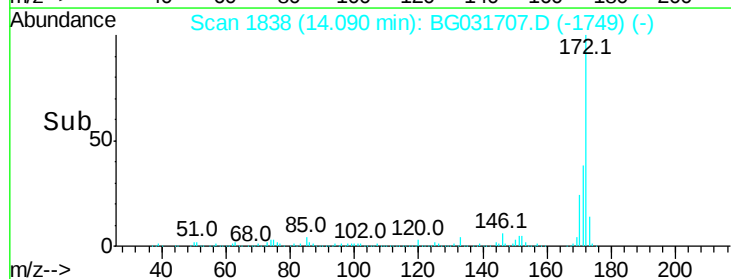
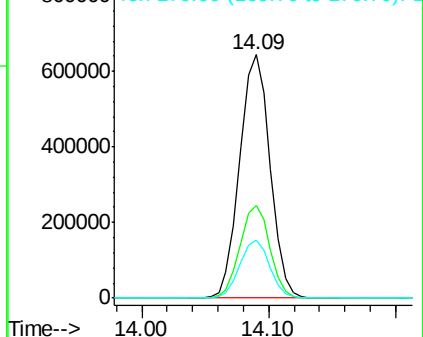
170 24.0 19.5 29.3

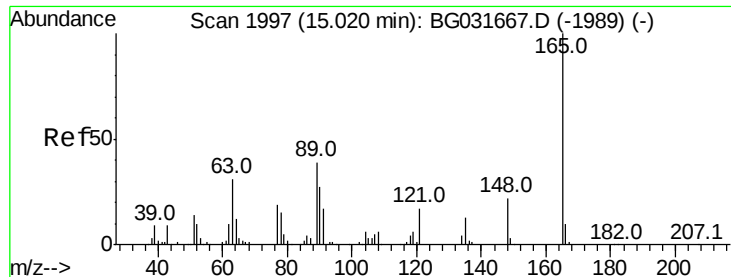


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

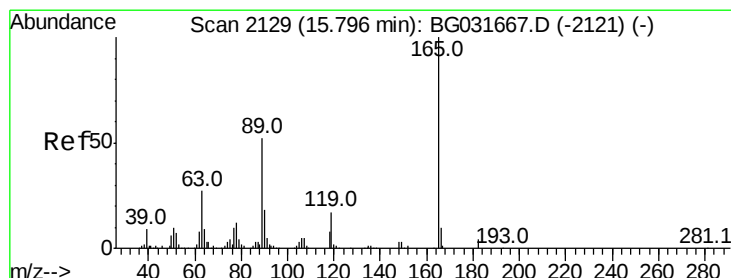
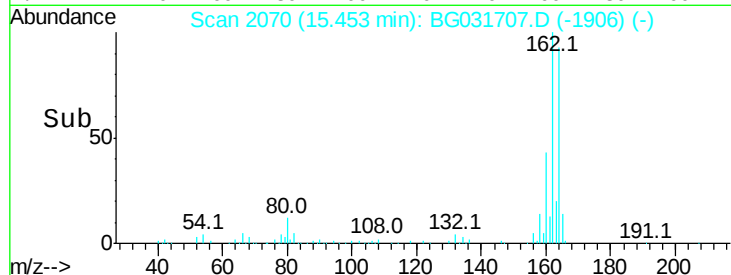
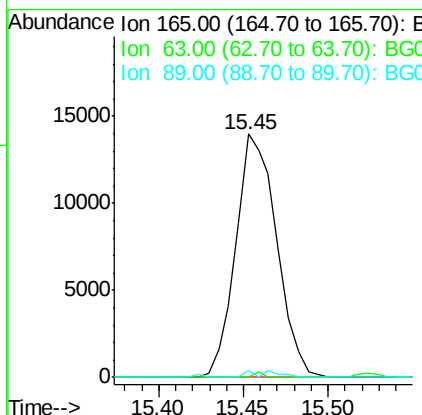
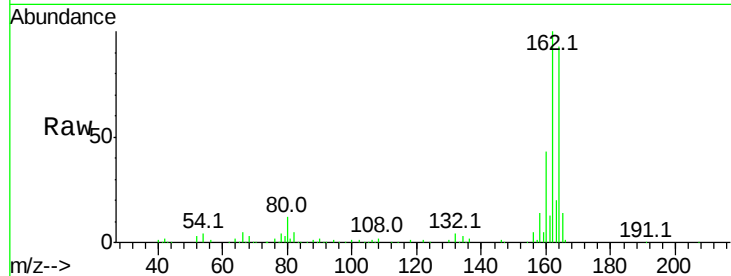




#50
 2,6-Dinitrotoluene
 Concen: 8.088 ng
 RT: 15.45 min Scan# 2070
 Delta R.T. 0.43 min
 Lab File: BG031707.D
 Acq: 22 Dec 2017 12:30

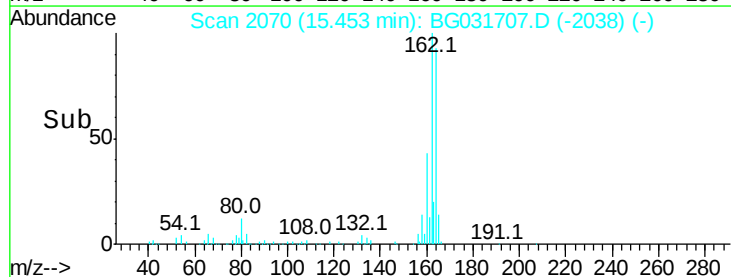
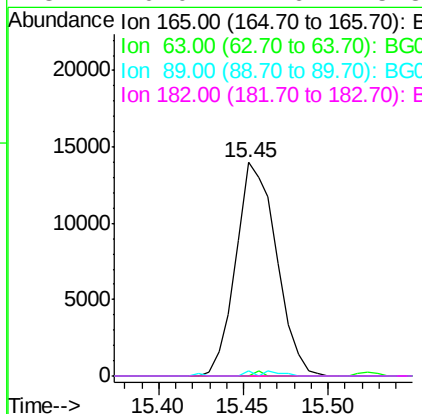
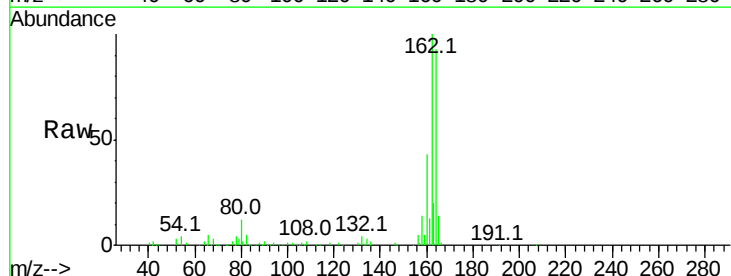
Instrument :
 BNA_G
 ClientSampleId :

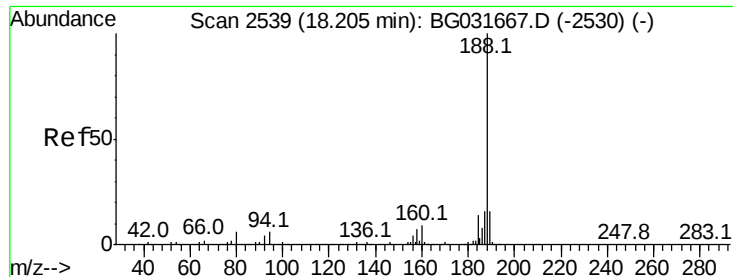
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	2.7	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 6.290 ng
 RT: 15.45 min Scan# 2070
 Delta R.T. -0.34 min
 Lab File: BG031707.D
 Acq: 22 Dec 2017 12:30

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	2.7	66.9	100.3#
182	0.0	2.6	3.8#

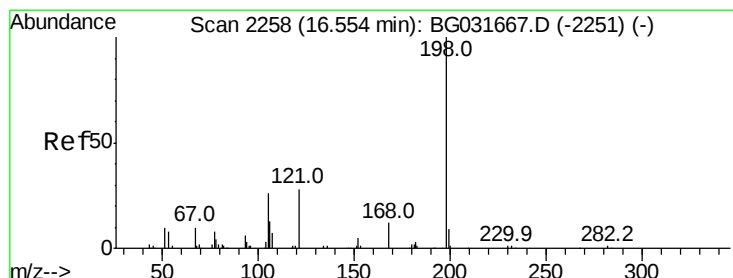
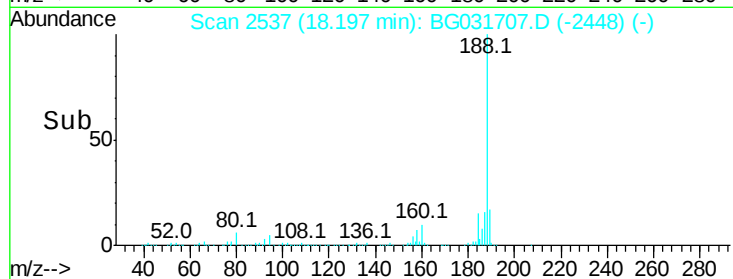
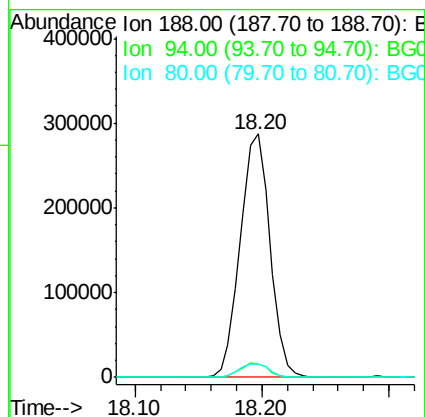
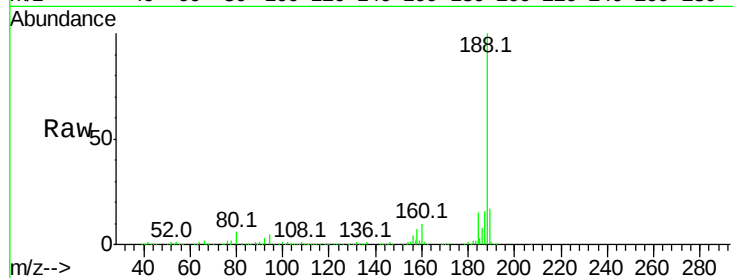




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.20 min Scan# 2537
 Delta R.T. -0.01 min
 Lab File: BG031707.D
 Acq: 22 Dec 2017 12:30

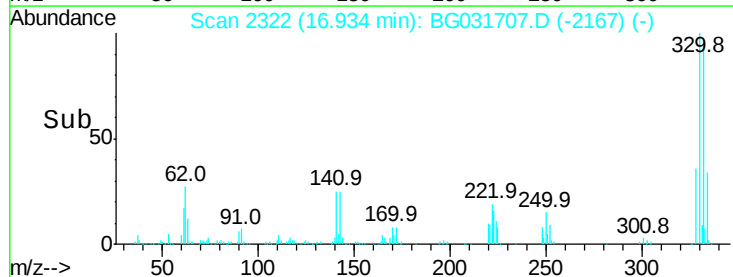
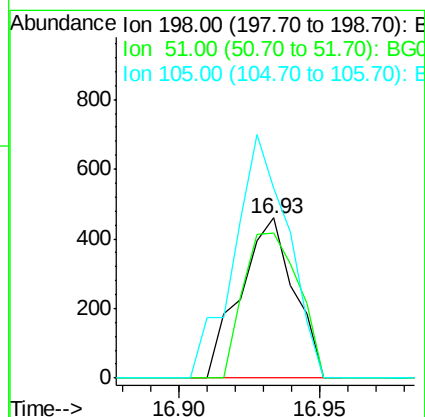
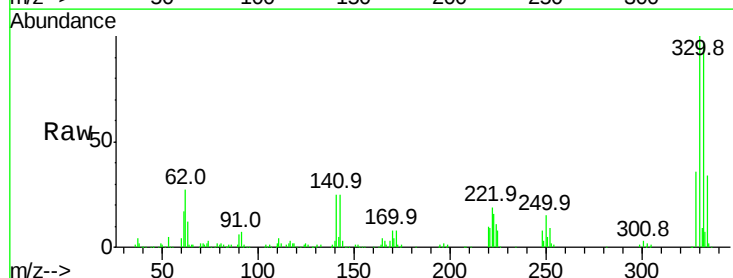
Instrument :
 BNA_G
 ClientSampleId :

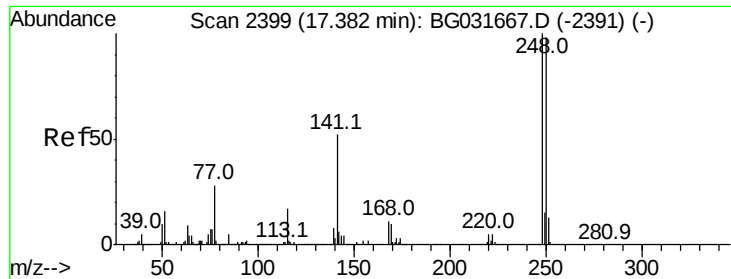
Tot Ion:188 Resp: 466324
 Ion Ratio Lower Upper
 188 100
 94 5.2 6.9 10.3#
 80 5.6 7.7 11.5#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.526 ng
 RT: 16.93 min Scan# 2322
 Delta R.T. 0.38 min
 Lab File: BG031707.D
 Acq: 22 Dec 2017 12:30

Tgt Ion:198 Resp: 605
 Ion Ratio Lower Upper
 198 100
 51 90.4 30.6 70.6#
 105 119.0 23.8 63.8#

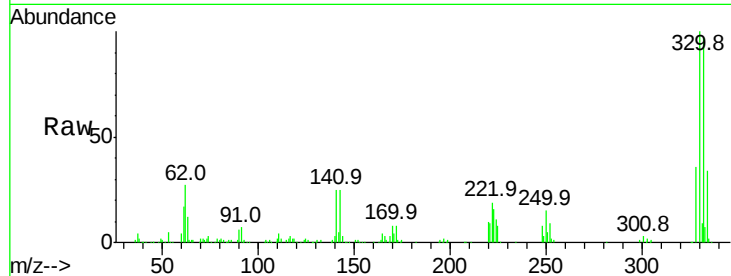




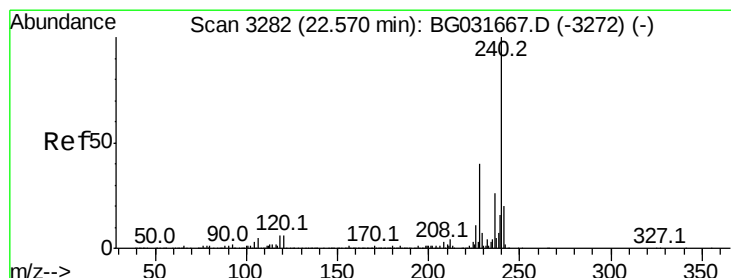
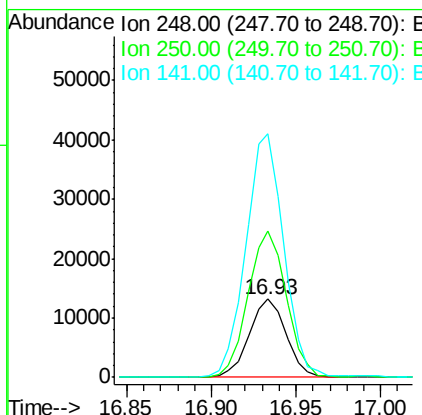
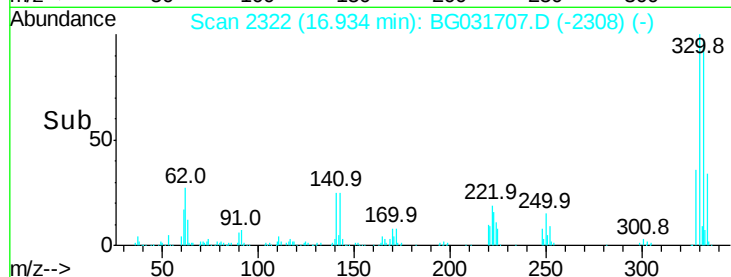
#66
 4-Bromophenyl-phenylether
 Concen: 2.981 ng
 RT: 16.93 min Scan# 2322
 Delta R.T. -0.45 min
 Lab File: BG031707.D
 Acq: 22 Dec 2017 12:30

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 20100
 Ion Ratio Lower Upper
 248 100
 250 187.6 77.1 115.7#
 141 311.2 50.8 76.2#

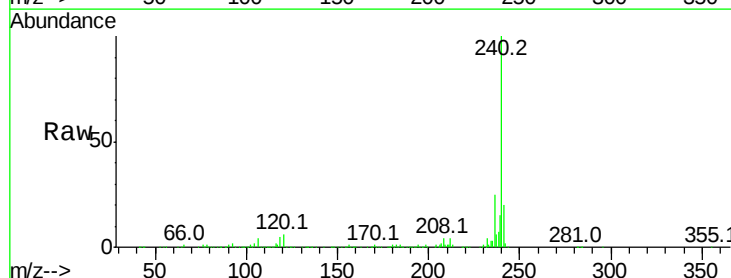


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

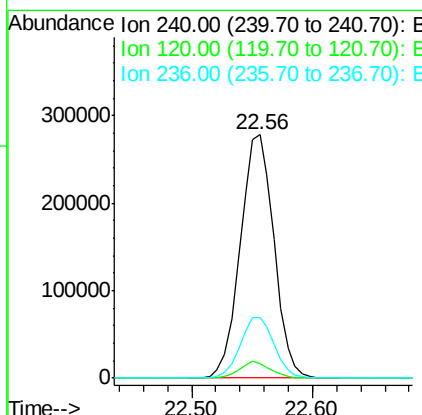
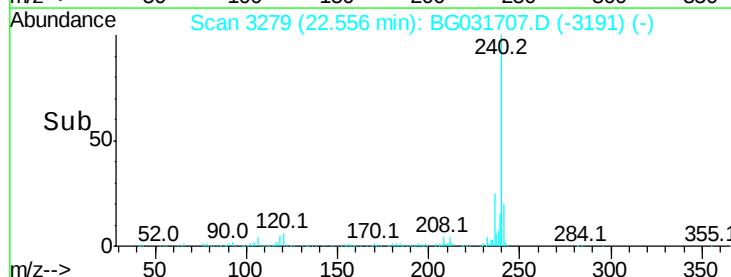


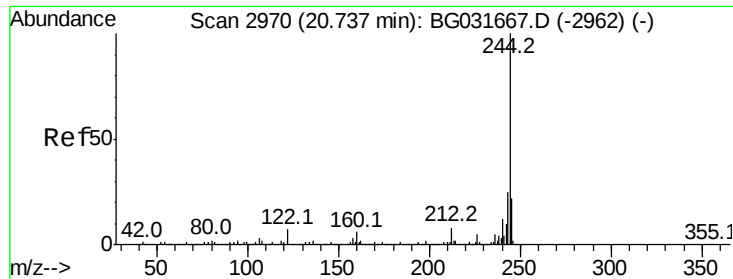
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.56 min Scan# 3279
 Delta R.T. -0.01 min
 Lab File: BG031707.D
 Acq: 22 Dec 2017 12:30

Tgt Ion:240 Resp: 540470
 Ion Ratio Lower Upper
 240 100
 120 6.0 6.8 10.2#
 236 24.9 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

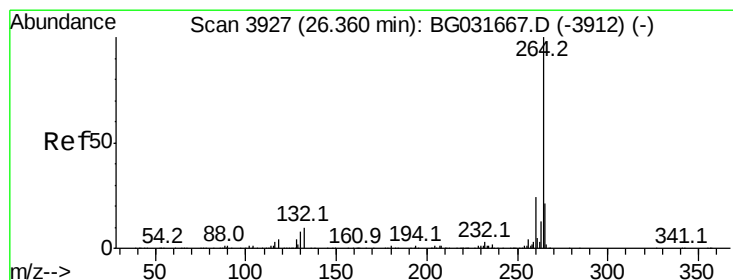
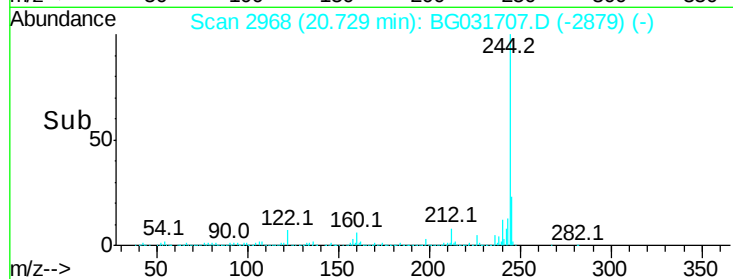
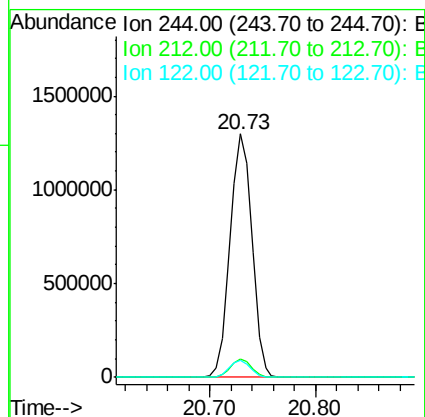
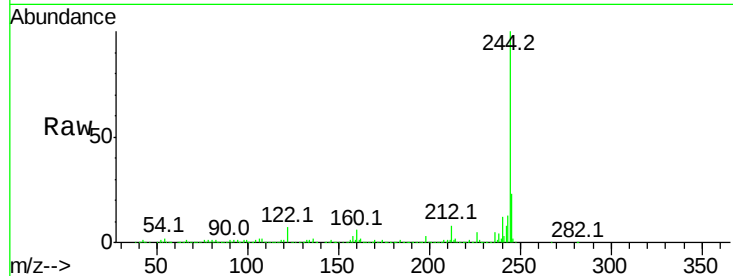




#78
 Terphenyl-d14
 Concen: 78.385 ng
 RT: 20.73 min Scan# 2968
 Delta R.T. -0.01 min
 Lab File: BG031707.D
 Acq: 22 Dec 2017 12:30

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1854312
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.8 8.8
 122 7.2 7.0 10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.34 min Scan# 3923
 Delta R.T. -0.02 min
 Lab File: BG031707.D
 Acq: 22 Dec 2017 12:30

Tgt Ion:264 Resp: 570337
 Ion Ratio Lower Upper
 264 100
 260 22.3 17.4 26.0
 265 21.1 17.7 26.5

