

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122617\
 Data File : BG031786.D
 Acq On : 27 Dec 2017 7:08
 Operator : SJ/JU
 Sample : I7009-04
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 27 10:01:28 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

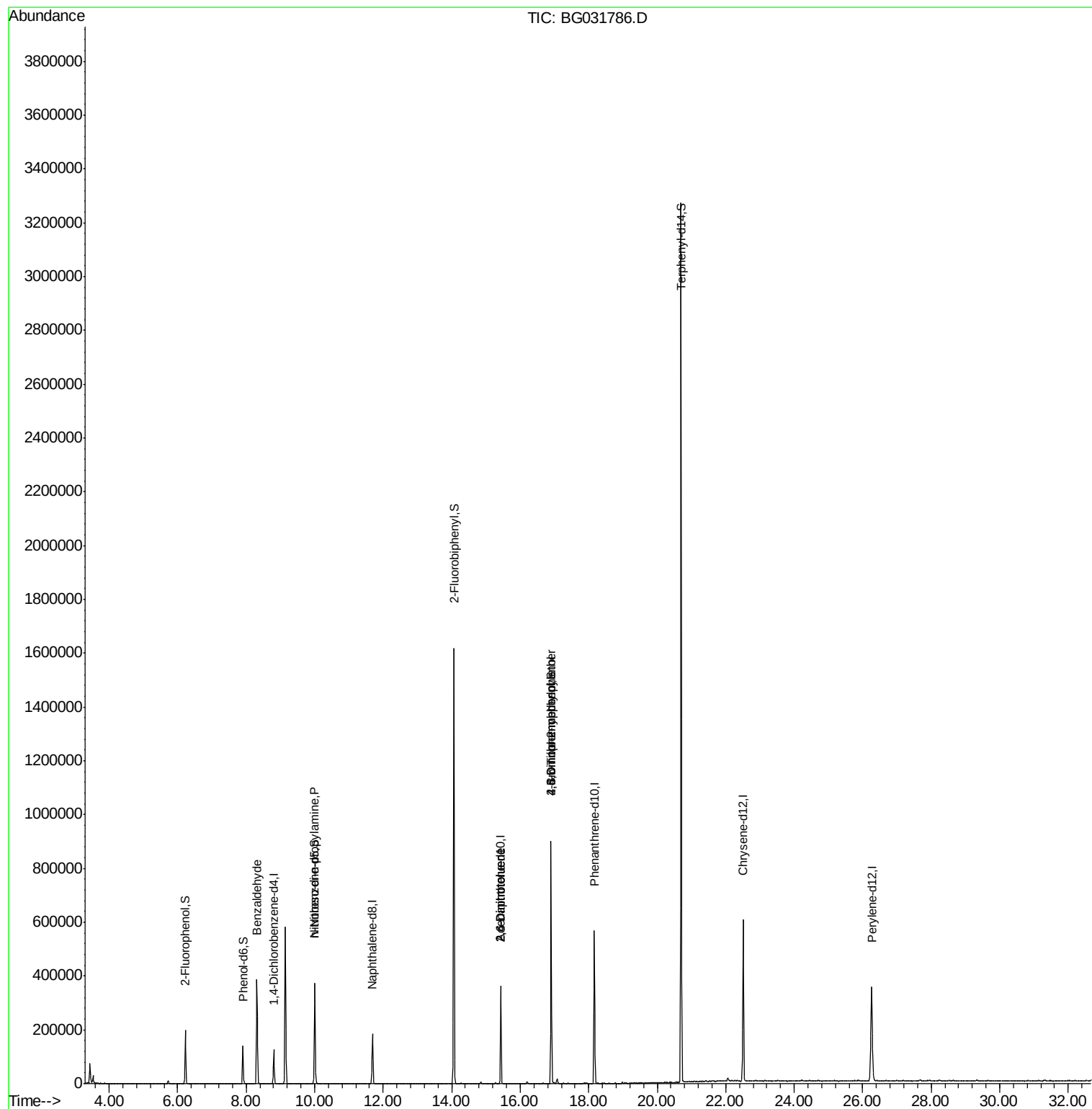
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.81	152	44627	20.00	ng	-0.03
21) Naphthalene-d8	11.69	136	193104	20.00	ng	-0.03
38) Acenaphthene-d10	15.43	164	140491	20.00	ng	-0.03
63) Phenanthrene-d10	18.17	188	389667	20.00	ng	-0.04
75) Chrysene-d12	22.51	240	468433	20.00	ng	-0.06
86) Perylene-d12	26.26	264	495497	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	6.22	112	110270	45.01	ng	-0.03
7) Phenol-d6	7.90	99	99497	31.28	ng	-0.03
23) Nitrobenzene-d5	10.00	82	250397	97.92	ng	-0.04
41) 2,4,6-Tribromophenol	16.90	330	224124	104.55	ng	-0.04
44) 2-Fluorobiphenyl	14.07	172	1006346	89.91	ng	-0.03
78) Terphenyl-d14	20.70	244	1819049	88.72	ng	-0.04
Target Compounds						
9) Benzaldehyde	8.31	77	4557	2.379	ng	87
19) n-Nitroso-di-n-propylamine	10.00	70	33649	15.489	ng	# 72
50) 2,6-Dinitrotoluene	15.43	165	18314	8.044	ng	# 19
56) 2,4-Dinitrotoluene	15.43	165	18314	6.255	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.90	198	619	8.576	ng	# 56
66) 4-Bromophenyl-phenylether	16.90	248	17423	3.092	ng	# 1

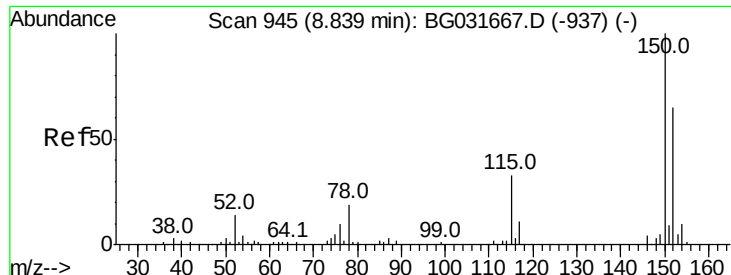
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 22 11:08:55 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.81 min Scan# 939

Delta R.T. -0.03 min

Lab File: BG031786.D

Acq: 27 Dec 2017 7:08

Instrument :

BNA_G

ClientSampled :

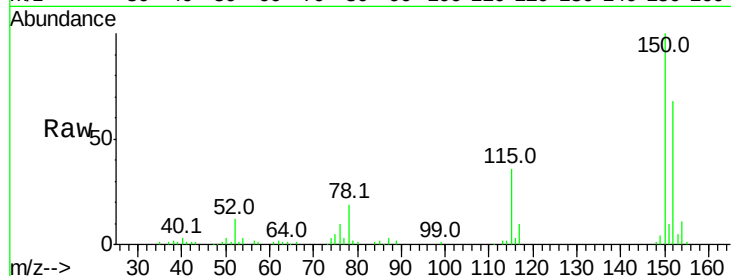
Tot Ion:152 Resp: 44627

Ion Ratio Lower Upper

152 100

150 147.3 126.6 189.8

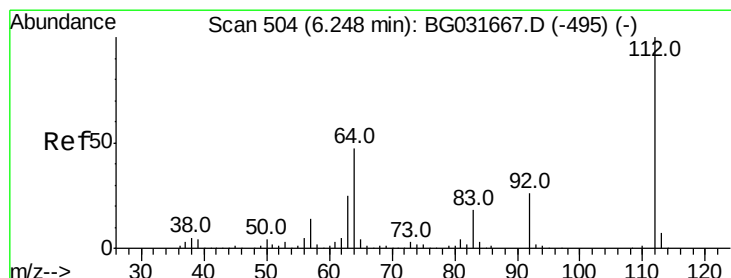
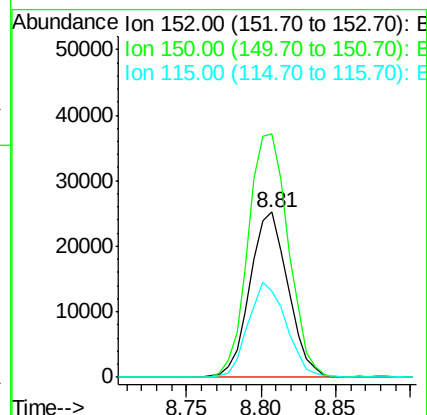
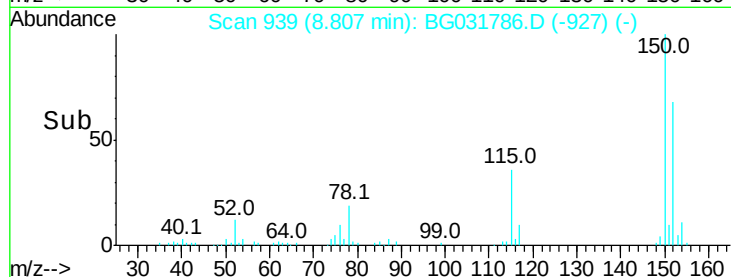
115 52.4 53.0 79.4#



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: 45.005 ng

RT: 6.22 min Scan# 499

Delta R.T. -0.03 min

Lab File: BG031786.D

Acq: 27 Dec 2017 7:08

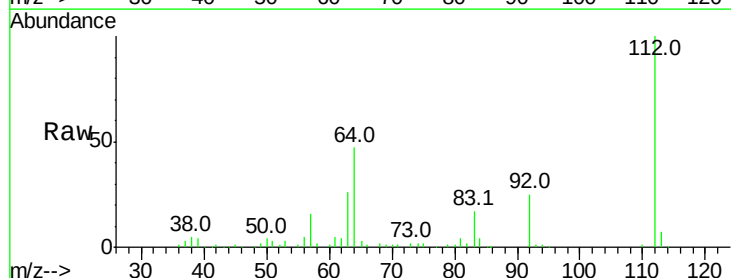
Tgt Ion:112 Resp: 110270

Ion Ratio Lower Upper

112 100

64 47.0 56.3 84.5#

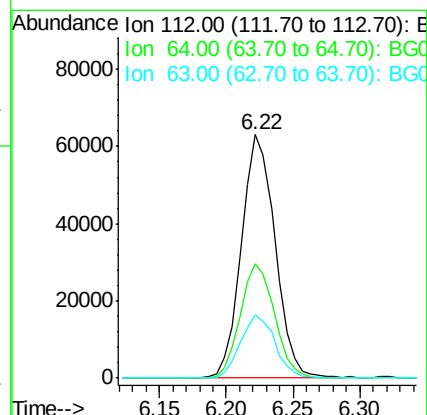
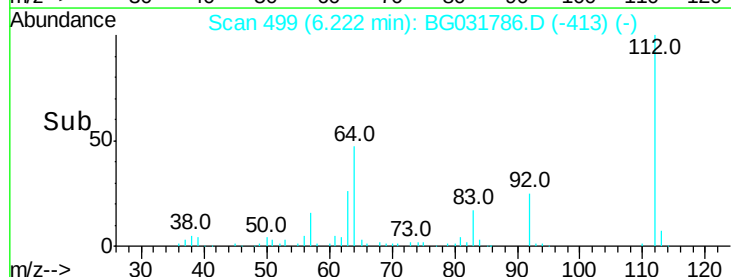
63 25.9 30.1 45.1#

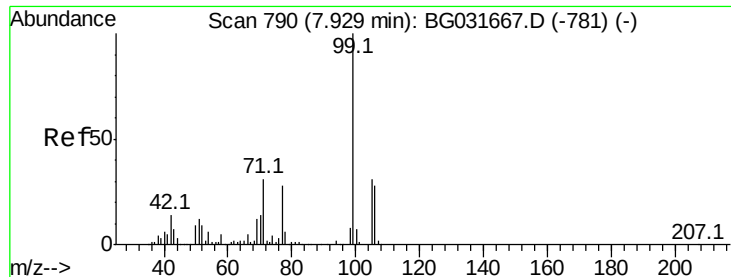


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 31.277 ng

RT: 7.90 min Scan# 785

Delta R.T. -0.03 min

Lab File: BG031786.D

Acq: 27 Dec 2017 7:08

Instrument :

BNA_G

ClientSampleId :

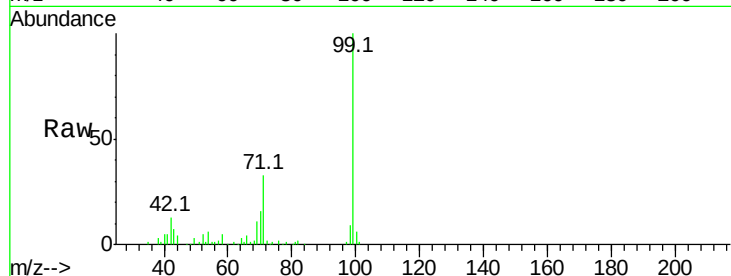
Tot Ion: 99 Resp: 99497

Ion Ratio Lower Upper

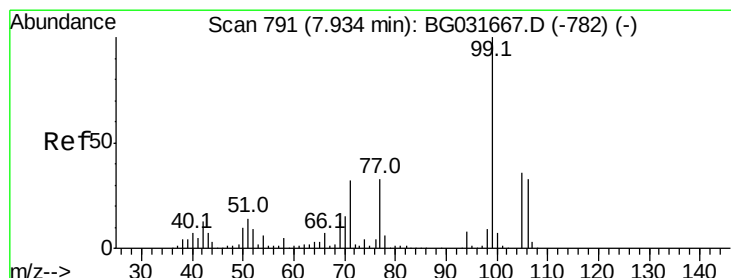
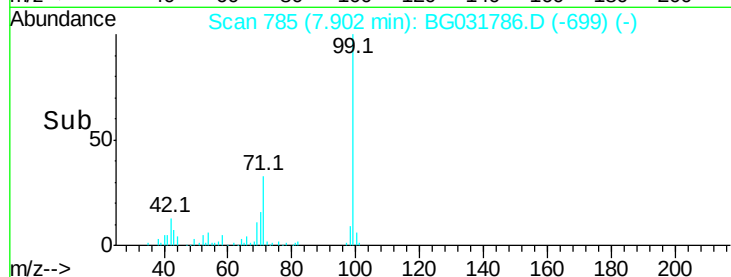
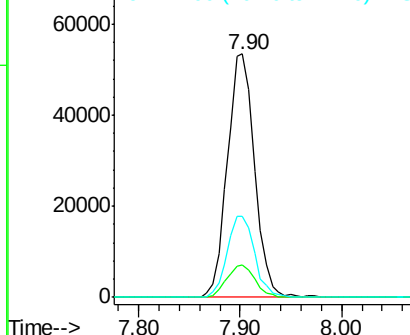
99 100

42 13.1 14.1 21.1#

71 33.1 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: 2.379 ng

RT: 8.31 min Scan# 855

Delta R.T. 0.38 min

Lab File: BG031786.D

Acq: 27 Dec 2017 7:08

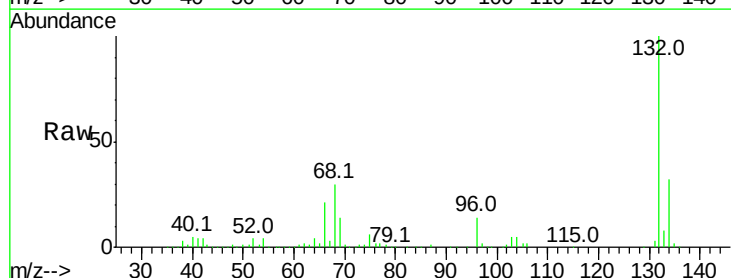
Tgt Ion: 77 Resp: 4557

Ion Ratio Lower Upper

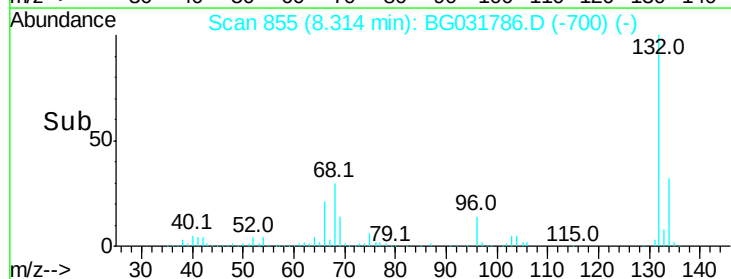
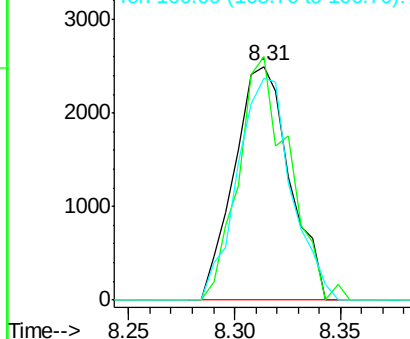
77 100

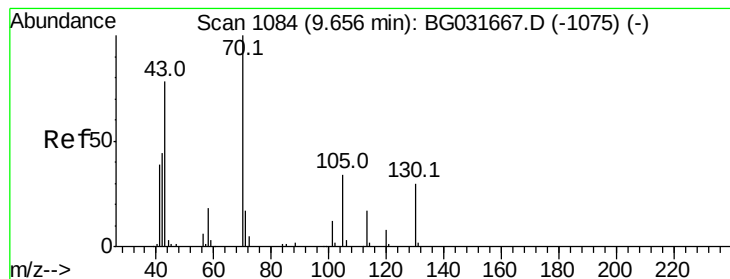
105 104.3 71.3 111.3

106 95.1 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: 15.489 ng

RT: 10.00 min Scan# 1142

Delta R.T. 0.34 min

Lab File: BG031786.D

Acq: 27 Dec 2017 7:08

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 33649

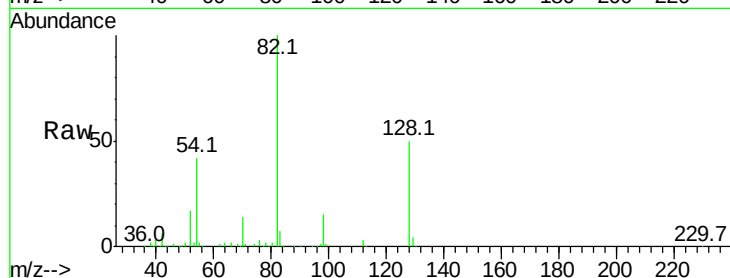
Ion Ratio Lower Upper

70 100

42 40.9 49.1 73.7#

101 0.0 8.5 12.7#

130 1.6 13.4 20.0#



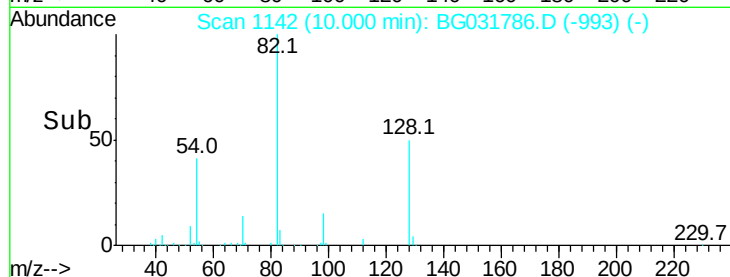
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

Time-->



Abundance

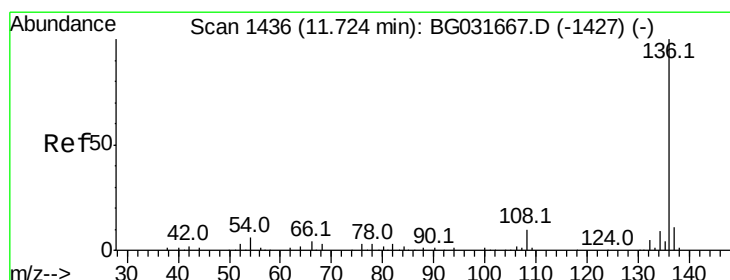
Ion 70.00 (69.70 to 70.70): BGC

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

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.69 min Scan# 1430

Delta R.T. -0.03 min

Lab File: BG031786.D

Acq: 27 Dec 2017 7:08

Tgt Ion: 136 Resp: 193104

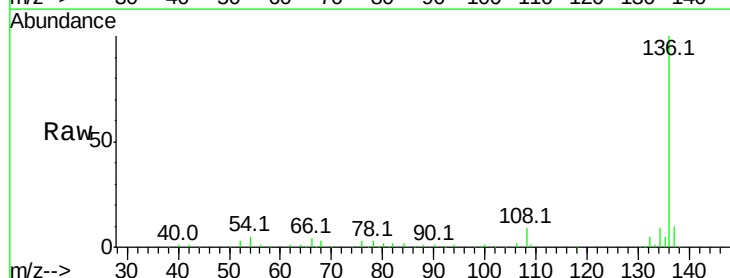
Ion Ratio Lower Upper

136 100

137 10.4 9.2 13.8

54 5.3 10.3 15.5#

68 3.3 4.5 6.7#



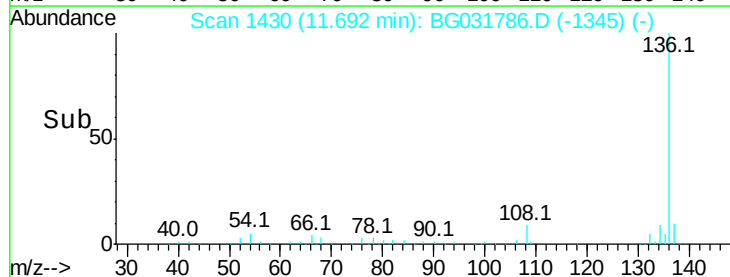
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

Time-->



Abundance

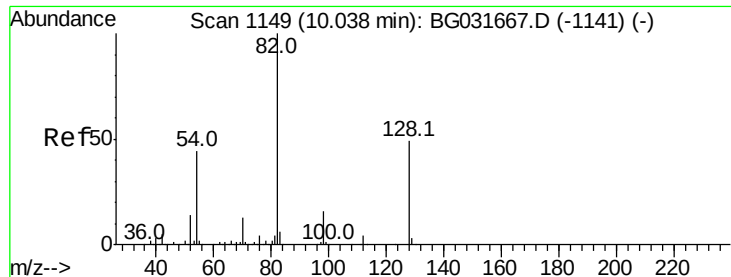
Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

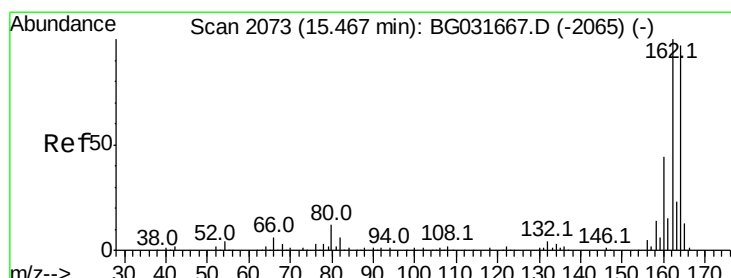
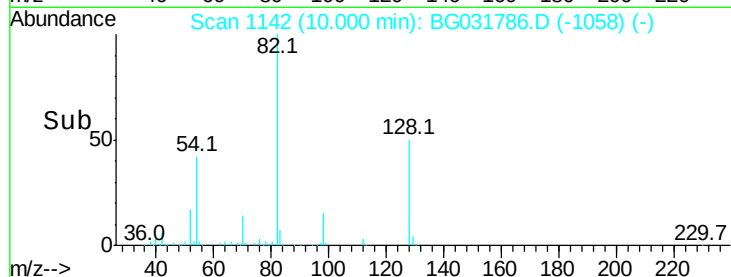
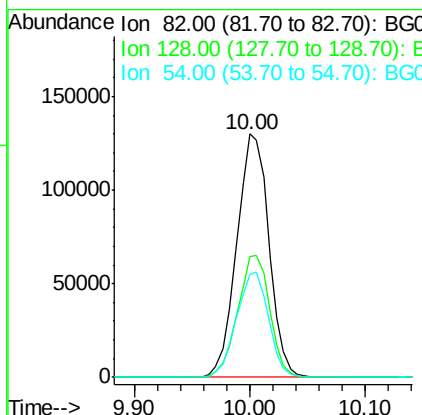
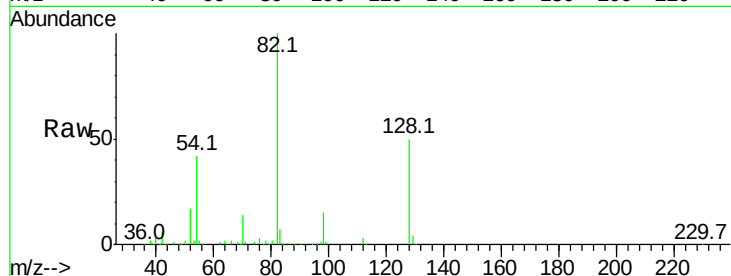
Time-->



#23
 Nitrobenzene-d5
 Concen: 97.916 ng
 RT: 10.00 min Scan# 1142
 Delta R.T. -0.04 min
 Lab File: BG031786.D
 Acq: 27 Dec 2017 7:08

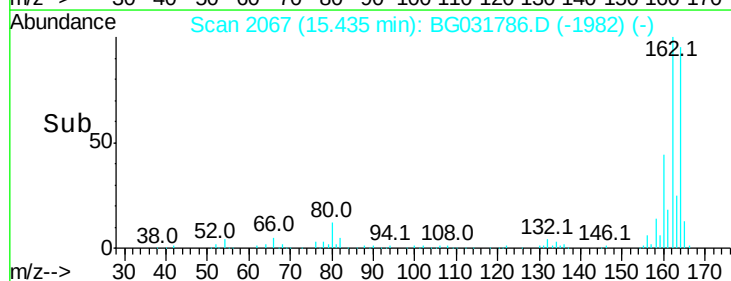
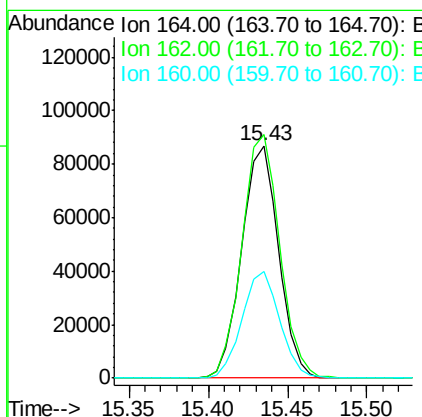
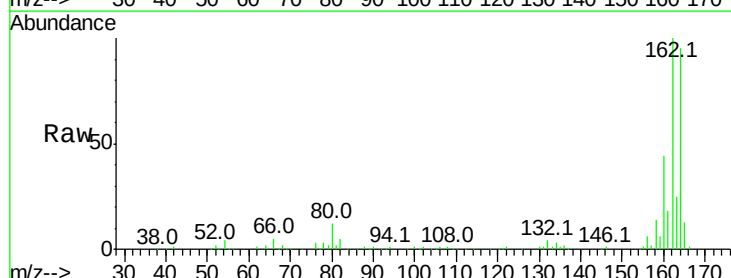
Instrument :
 BNA_G
 ClientSampleId :

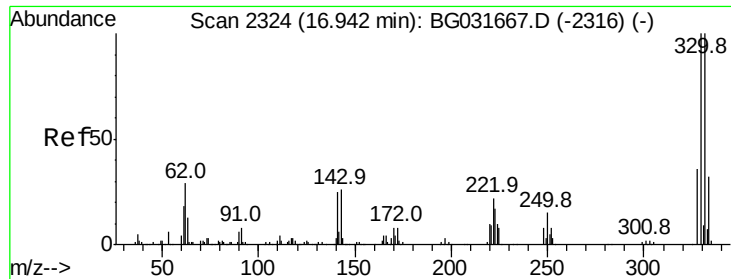
Tot Ion: 82 Resp: 250397
 Ion Ratio Lower Upper
 82 100
 128 49.6 29.7 44.5#
 54 42.3 43.1 64.7#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2067
 Delta R.T. -0.03 min
 Lab File: BG031786.D
 Acq: 27 Dec 2017 7:08

Tgt Ion: 164 Resp: 140491
 Ion Ratio Lower Upper
 164 100
 162 104.9 78.8 118.2
 160 46.0 35.4 53.0

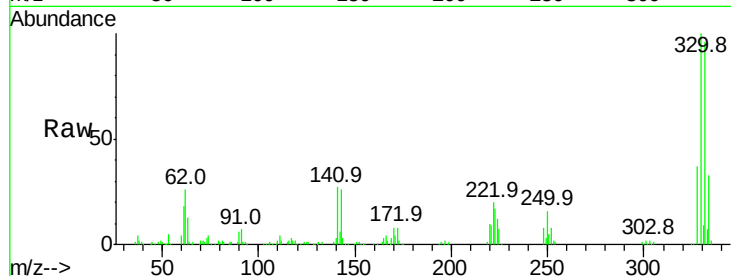




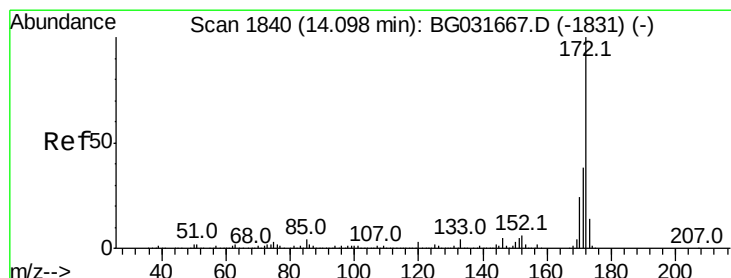
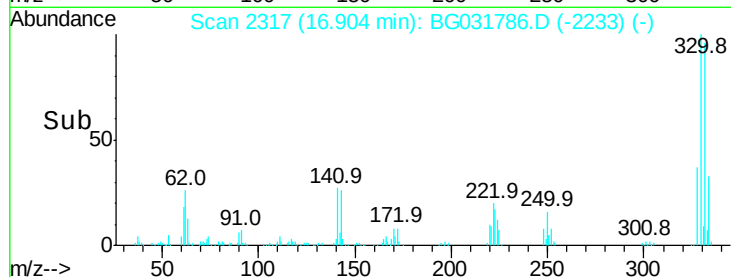
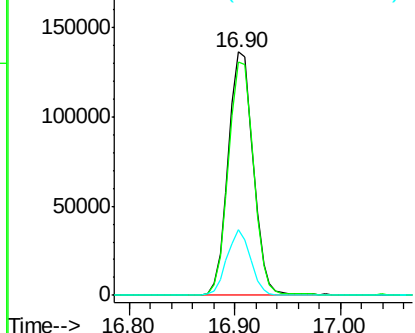
#41
 2,4,6-Tribromophenol
 Concen: 104.550 ng
 RT: 16.90 min Scan# 2317
 Delta R.T. -0.04 min
 Lab File: BG031786.D
 Acq: 27 Dec 2017 7:08

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.0	115.6
141	25.5	25.2	37.8

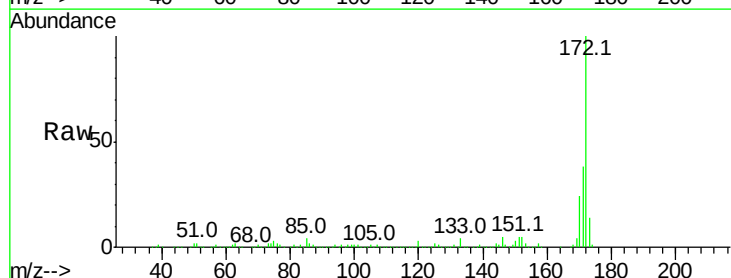


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

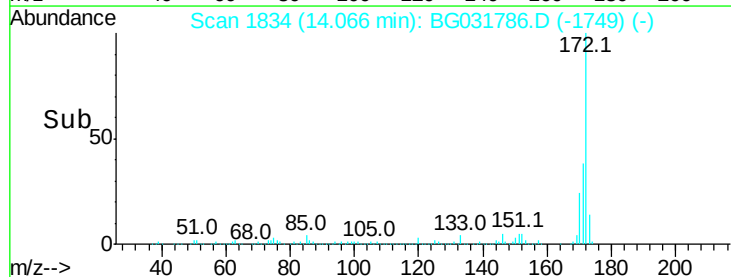
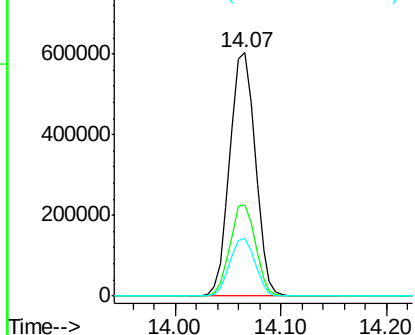


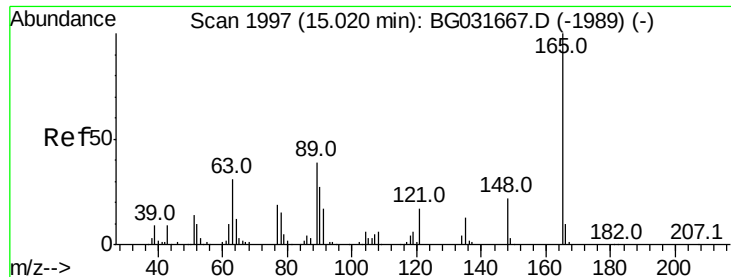
#44
 2-Fluorobiphenyl
 Concen: 89.906 ng
 RT: 14.07 min Scan# 1834
 Delta R.T. -0.03 min
 Lab File: BG031786.D
 Acq: 27 Dec 2017 7:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	30.0	45.0
170	23.8	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

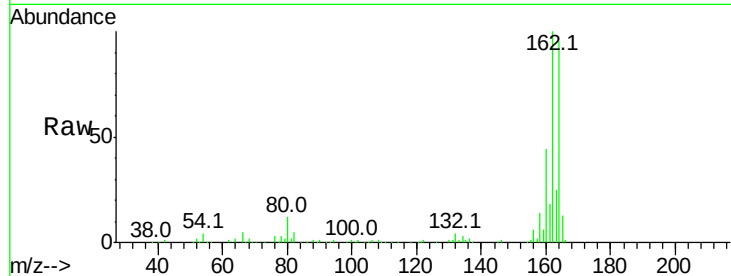




#50
2,6-Dinitrotoluene
Concen: 8.044 ng
RT: 15.43 min Scan# 2067
Delta R.T. 0.41 min
Lab File: BG031786.D
Acq: 27 Dec 2017 7:08

Instrument :
BNA_G
ClientSampleId :

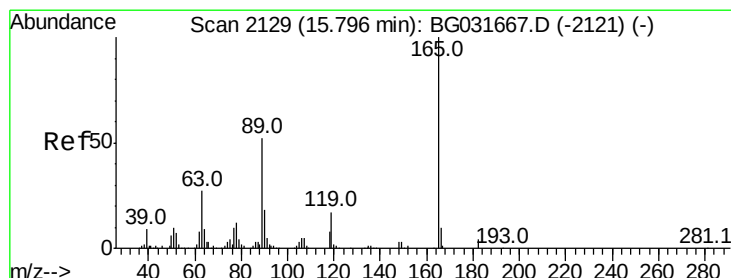
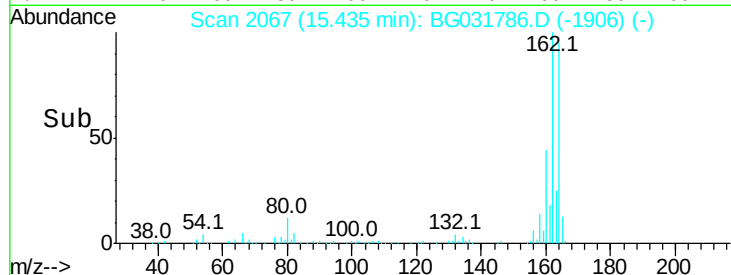
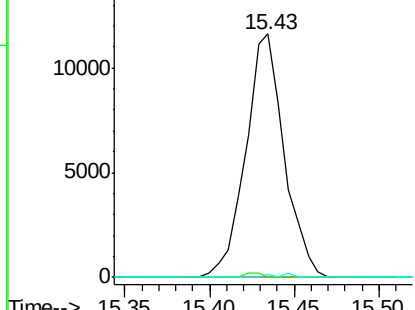
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	1.4	49.2	73.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG



#56
2,4-Dinitrotoluene
Concen: 6.255 ng
RT: 15.43 min Scan# 2067
Delta R.T. -0.36 min
Lab File: BG031786.D
Acq: 27 Dec 2017 7:08

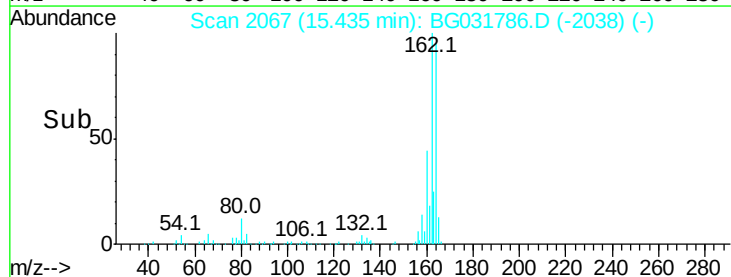
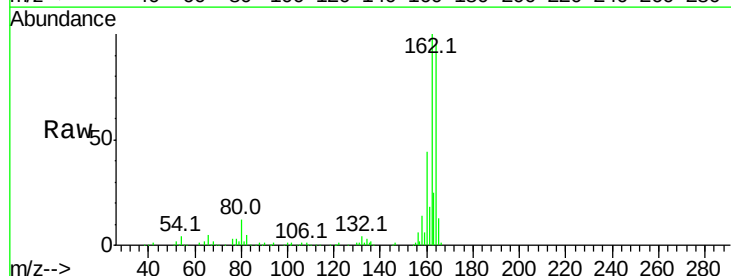
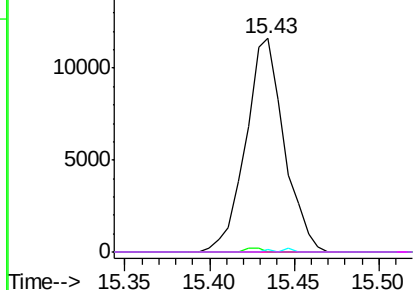
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	1.4	66.9	100.3#
182	0.0	2.6	3.8#

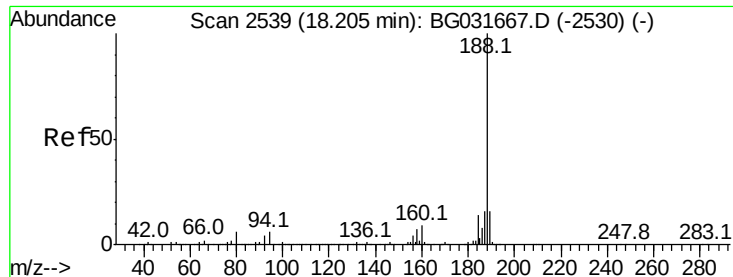
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG

Ion 182.00 (181.70 to 182.70): E

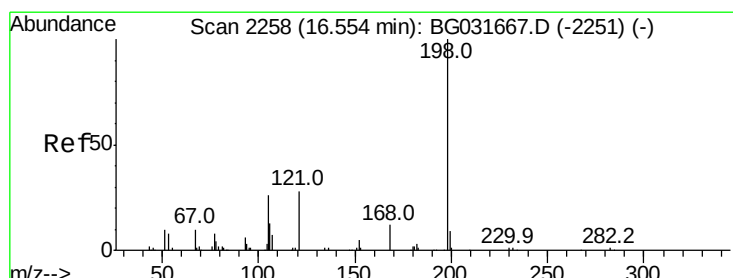
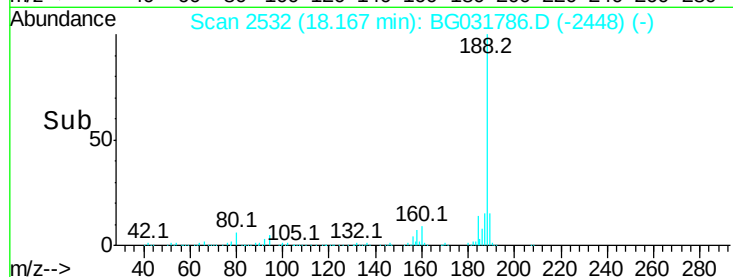
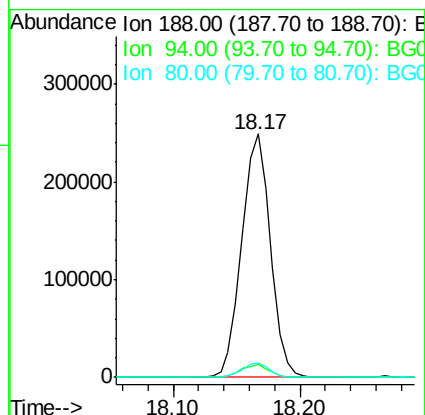
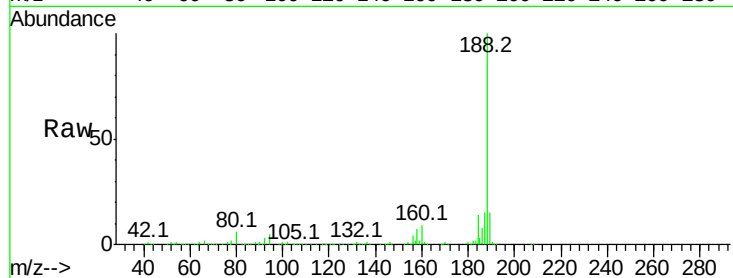




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.17 min Scan# 2532
 Delta R.T. -0.04 min
 Lab File: BG031786.D
 Acq: 27 Dec 2017 7:08

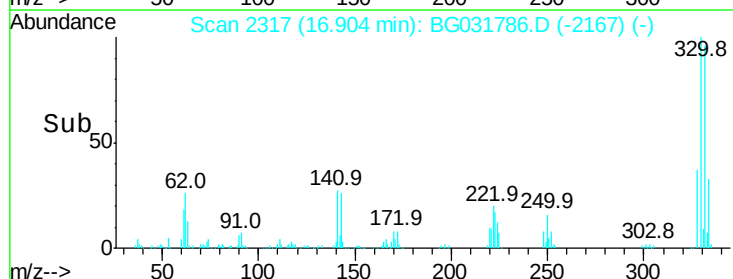
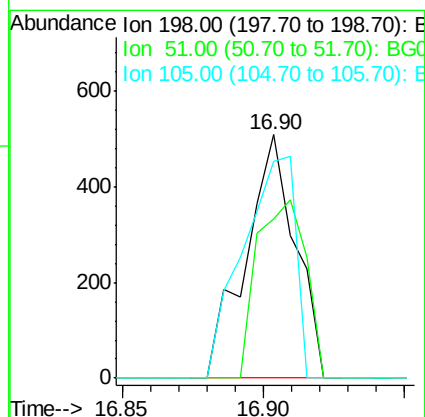
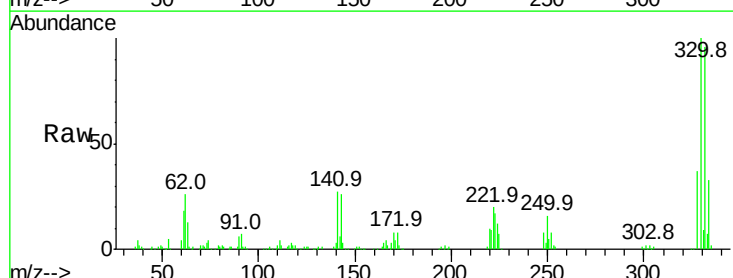
Instrument :
 BNA_G
 ClientSampleId :

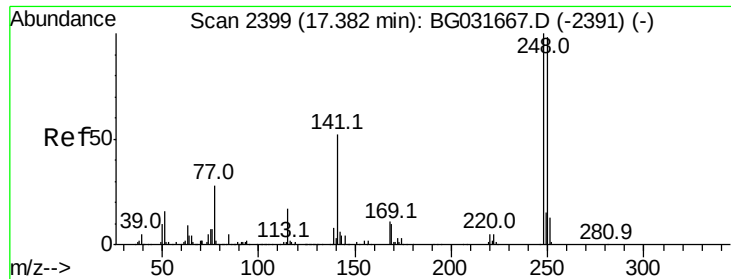
Tot Ion:188 Resp: 389667
 Ion Ratio Lower Upper
 188 100
 94 5.3 6.9 10.3#
 80 5.9 7.7 11.5#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.576 ng
 RT: 16.90 min Scan# 2317
 Delta R.T. 0.35 min
 Lab File: BG031786.D
 Acq: 27 Dec 2017 7:08

Tgt Ion:198 Resp: 619
 Ion Ratio Lower Upper
 198 100
 51 65.2 30.6 70.6
 105 89.2 23.8 63.8#

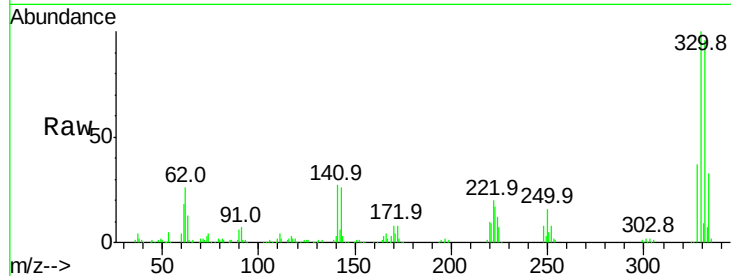




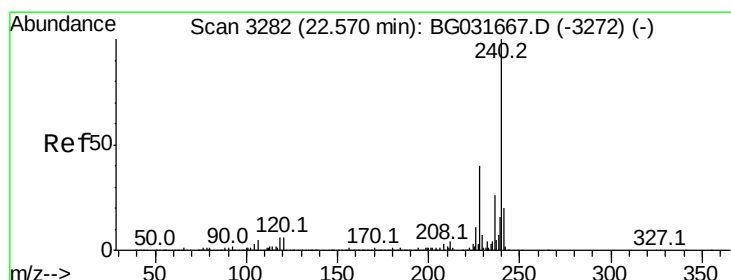
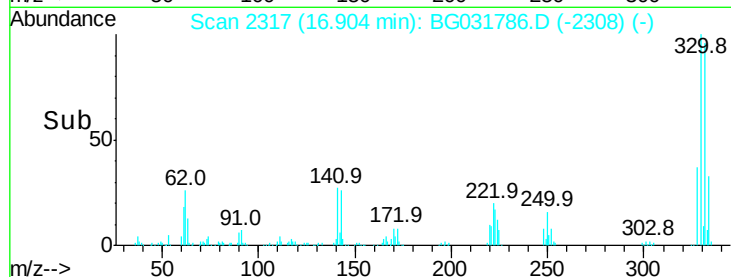
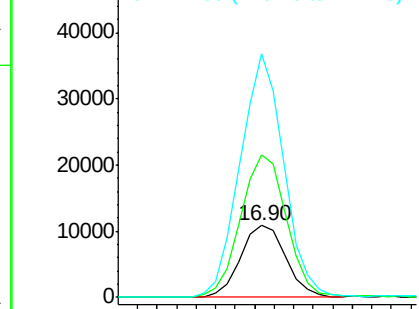
#66
4-Bromophenyl-phenylether
Concen: 3.092 ng
RT: 16.90 min Scan# 2317
Delta R.T. -0.48 min
Lab File: BG031786.D
Acq: 27 Dec 2017 7:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 17423
Ion Ratio Lower Upper
248 100
250 199.5 77.1 115.7#
141 340.6 50.8 76.2#

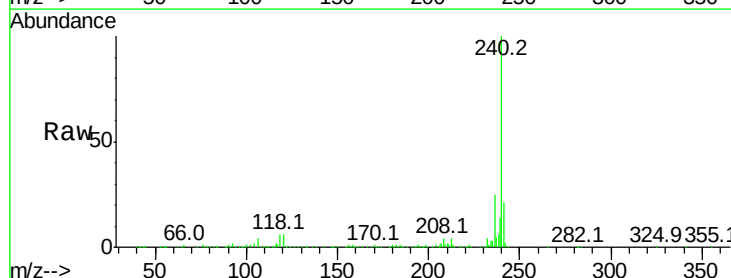


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

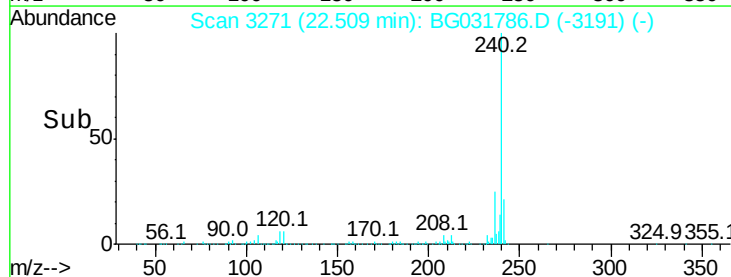
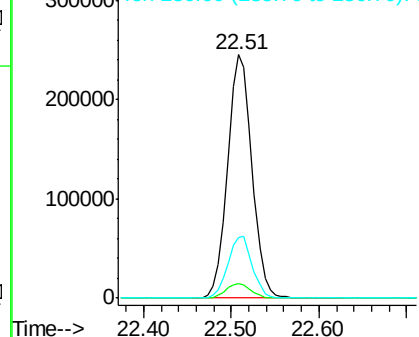


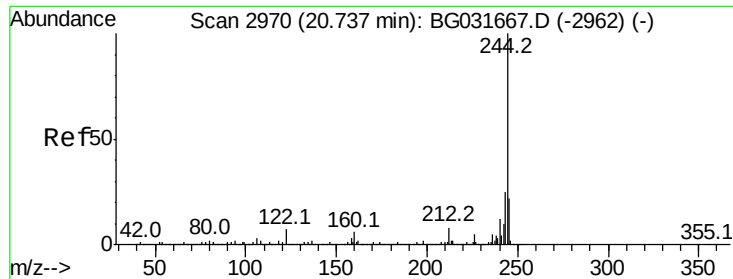
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.51 min Scan# 3271
Delta R.T. -0.06 min
Lab File: BG031786.D
Acq: 27 Dec 2017 7:08

Tgt Ion:240 Resp: 468433
Ion Ratio Lower Upper
240 100
120 6.0 6.8 10.2#
236 25.1 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: 88.719 ng

RT: 20.70 min Scan# 2963

Delta R.T. -0.04 min

Lab File: BG031786.D

Acq: 27 Dec 2017 7:08

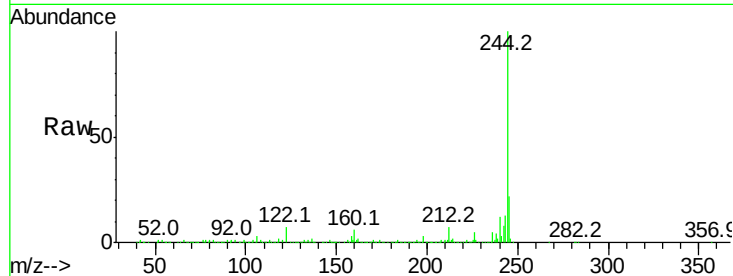
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1819049

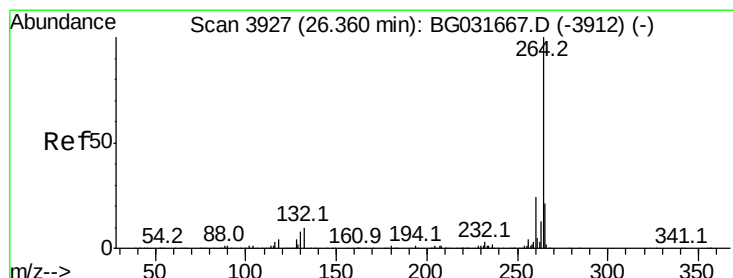
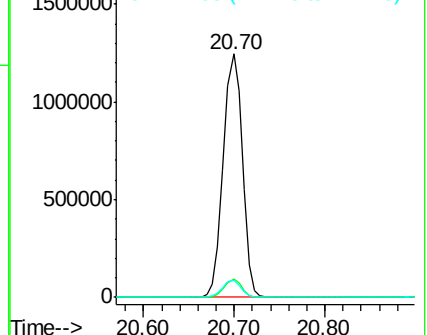
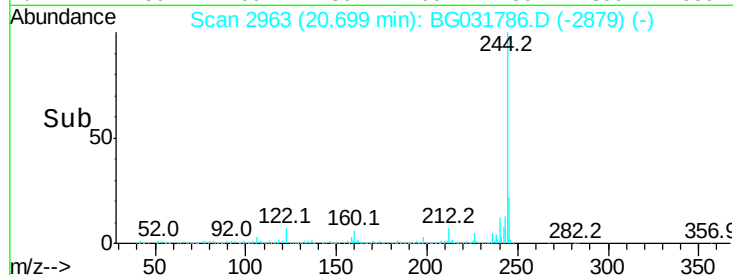
Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	7.0	7.0	10.4



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: 26.26 min Scan# 3910

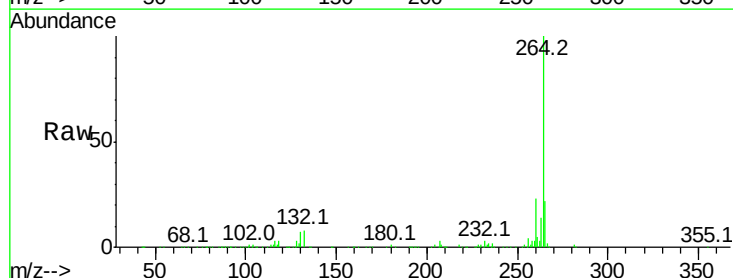
Delta R.T. -0.10 min

Lab File: BG031786.D

Acq: 27 Dec 2017 7:08

Tgt Ion:264 Resp: 495497

Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.4	26.0
265	21.7	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

