

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122117\
 Data File : BG031706.D
 Acq On : 22 Dec 2017 11:53
 Operator : SJ/JU
 Sample : I6971-10
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 22 12:36:51 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

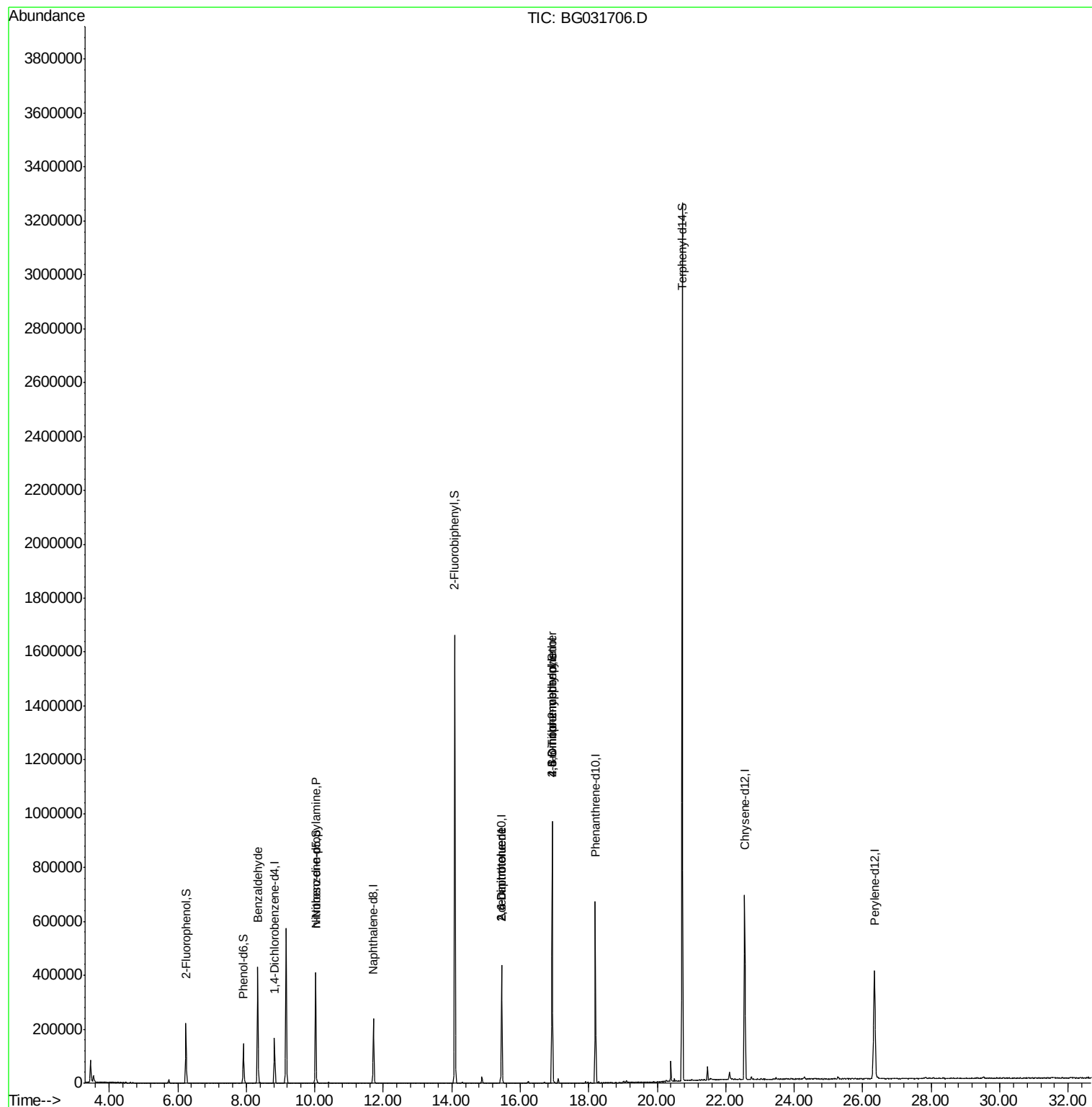
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.82	152	56428	20.00	ng	-0.02
21) Naphthalene-d8	11.71	136	241140	20.00	ng	-0.01
38) Acenaphthene-d10	15.46	164	172304	20.00	ng	-0.01
63) Phenanthrene-d10	18.19	188	462409	20.00	ng	-0.01
75) Chrysene-d12	22.55	240	533515	20.00	ng	-0.02
86) Perylene-d12	26.34	264	558209	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.24	112	124049	40.04	ng	-0.01
7) Phenol-d6	7.92	99	101577	25.25	ng	-0.01
23) Nitrobenzene-d5	10.03	82	262995	82.36	ng	-0.01
41) 2,4,6-Tribromophenol	16.93	330	233003	88.62	ng	-0.01
44) 2-Fluorobiphenyl	14.09	172	1020010	74.30	ng	-0.01
78) Terphenyl-d14	20.73	244	1823690	78.10	ng	-0.01
Target Compounds						
9) Benzaldehyde	8.33	77	5172	2.135	ng	93
19) n-Nitroso-di-n-propylamine	10.03	70	35237	12.827	ng	# 75
50) 2,6-Dinitrotoluene	15.46	165	22099	7.914	ng	# 19
56) 2,4-Dinitrotoluene	15.46	165	22099	6.155	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.93	198	464	8.476	ng	# 1
66) 4-Bromophenyl-phenylether	16.93	248	18336	2.742	ng	# 1

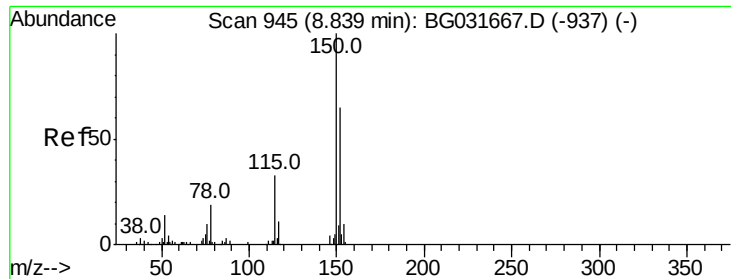
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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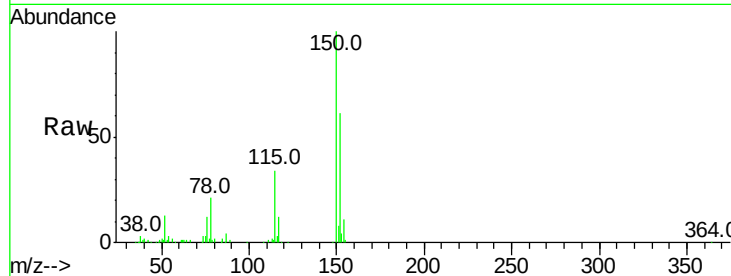


#1

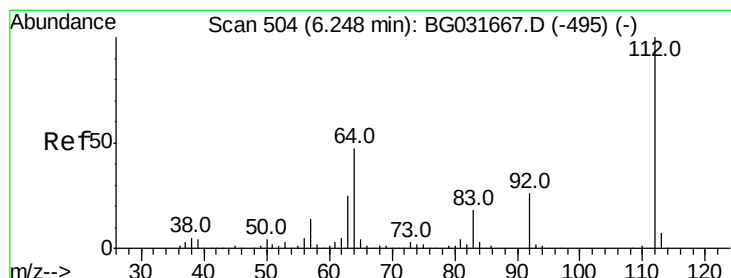
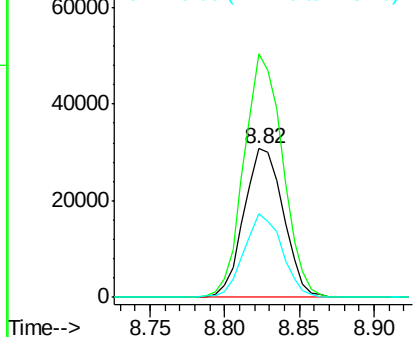
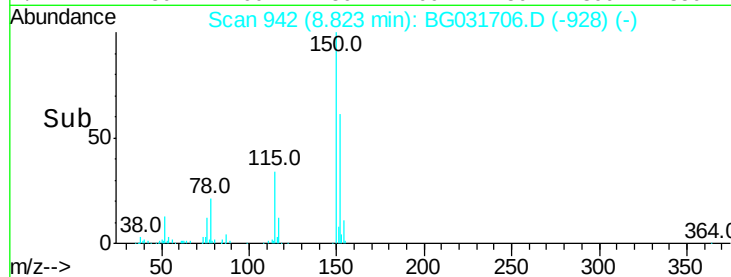
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.82 min Scan# 942
Delta R.T. -0.02 min
Lab File: BG031706.D
Acq: 22 Dec 2017 11:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.8	126.6	189.8
115	56.4	53.0	79.4



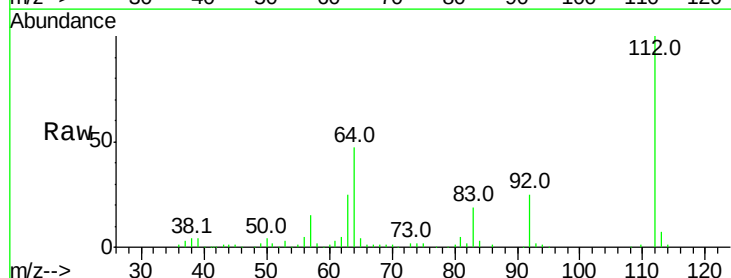
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



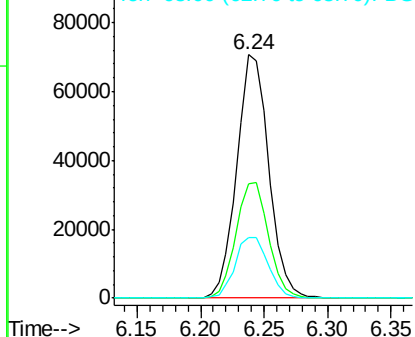
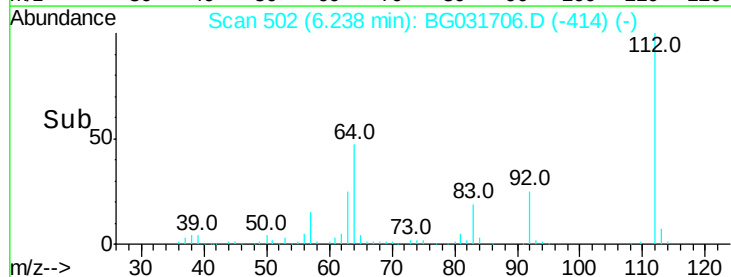
#5

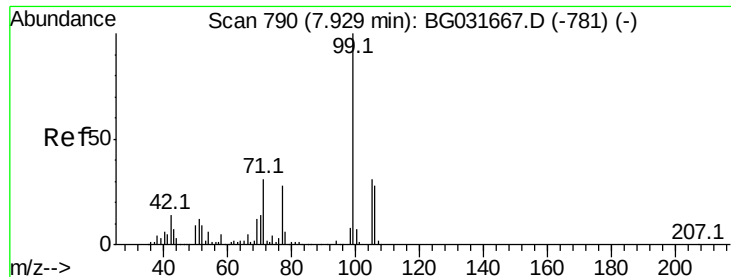
2-Fluorophenol
Concen: 40.041 ng
RT: 6.24 min Scan# 502
Delta R.T. -0.01 min
Lab File: BG031706.D
Acq: 22 Dec 2017 11:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	47.2	56.3	84.5#
63	24.8	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





#7

Phenol-d6

Concen: 25.253 ng

RT: 7.92 min Scan# 788

Delta R.T. -0.01 min

Lab File: BG031706.D

Acq: 22 Dec 2017 11:53

Instrument :

BNA_G

ClientSampleId :

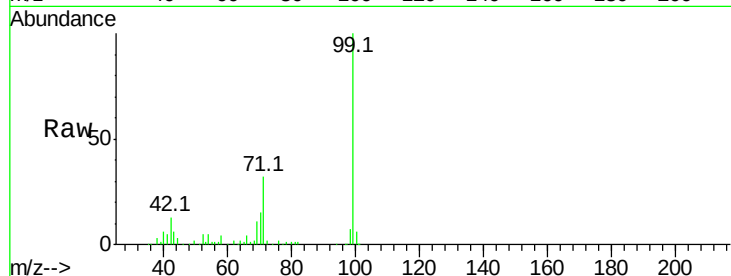
Tot Ion: 99 Resp: 101577

Ion Ratio Lower Upper

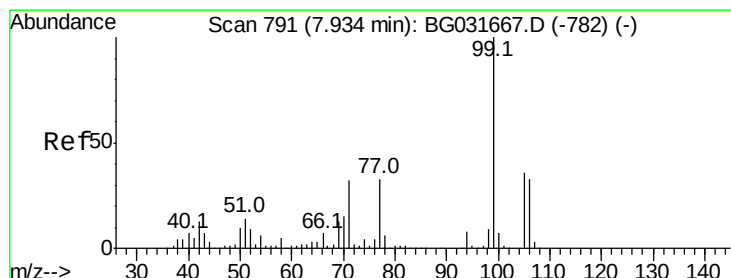
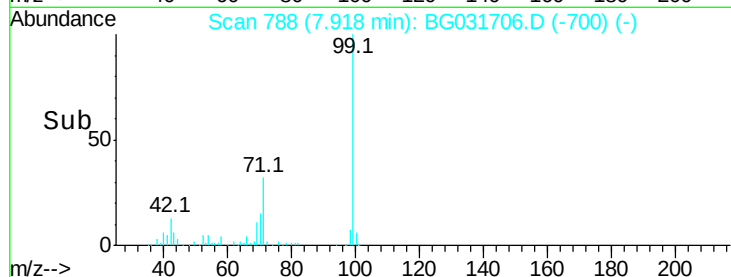
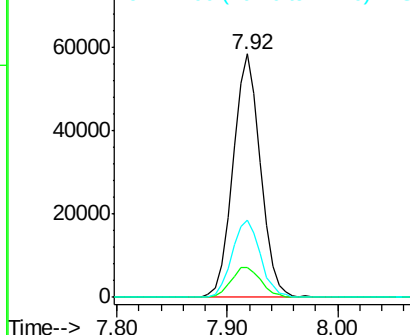
99 100

42 12.5 14.1 21.1#

71 31.6 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: 2.135 ng

RT: 8.33 min Scan# 858

Delta R.T. 0.39 min

Lab File: BG031706.D

Acq: 22 Dec 2017 11:53

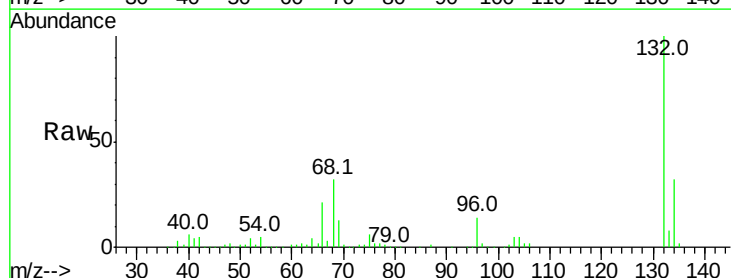
Tgt Ion: 77 Resp: 5172

Ion Ratio Lower Upper

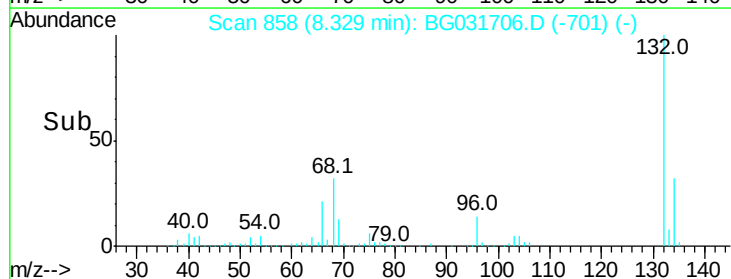
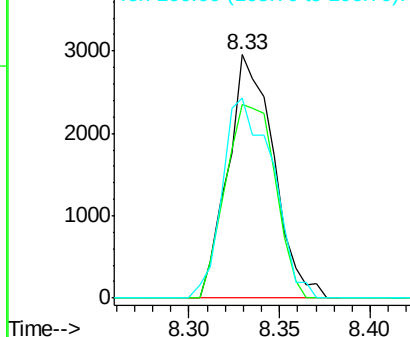
77 100

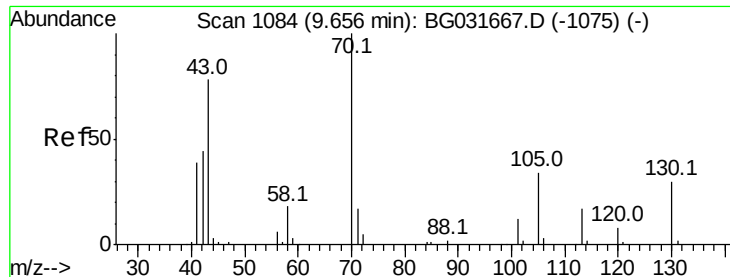
105 79.5 71.3 111.3

106 82.4 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

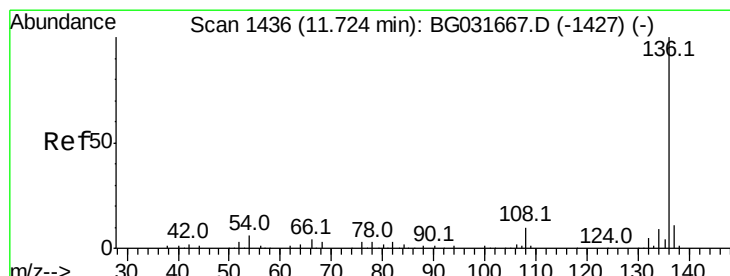
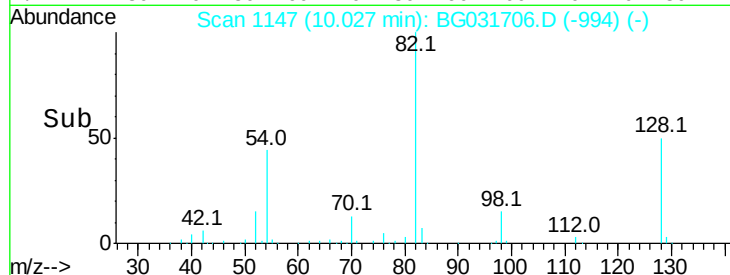
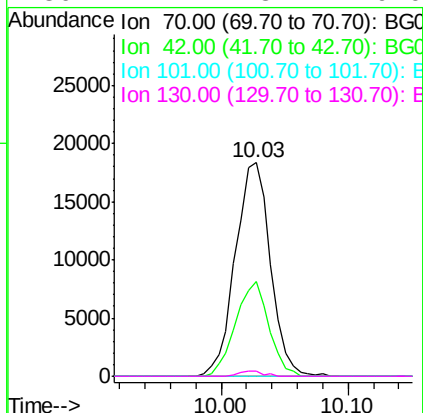
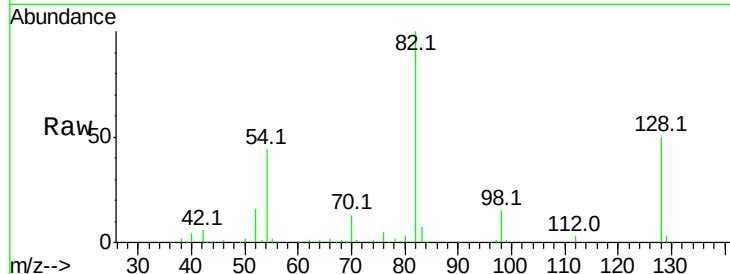




#19
n-Nitroso-di-n-propylamine
Concen: 12.827 ng
RT: 10.03 min Scan# 1147
Delta R.T. 0.37 min
Lab File: BG031706.D
Acq: 22 Dec 2017 11:53

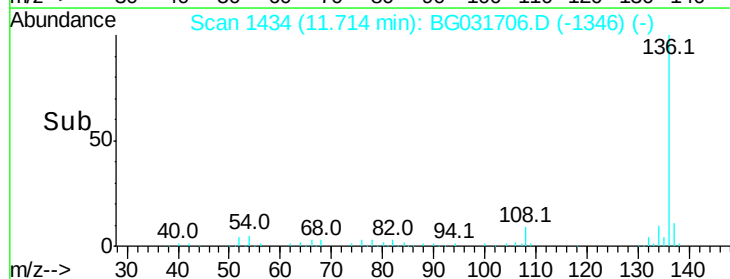
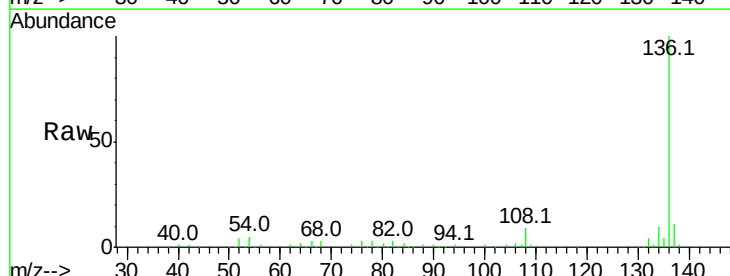
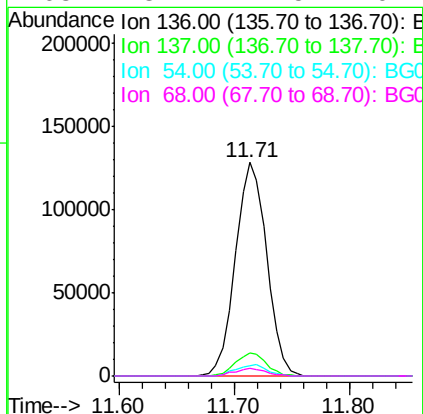
Instrument :
BNA_G
ClientSampleId :

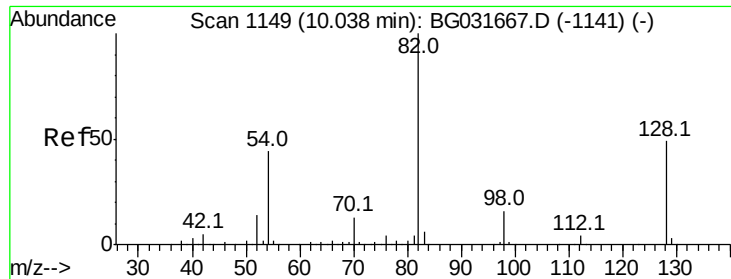
Tot Ion: 70 Resp: 35237
Ion Ratio Lower Upper
70 100
42 44.4 49.1 73.7#
101 0.0 8.5 12.7#
130 2.4 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.71 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BG031706.D
Acq: 22 Dec 2017 11:53

Tgt Ion: 136 Resp: 241140
Ion Ratio Lower Upper
136 100
137 10.6 9.2 13.8
54 4.9 10.3 15.5#
68 3.4 4.5 6.7#

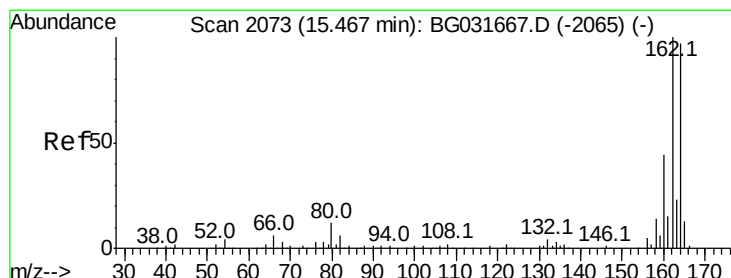
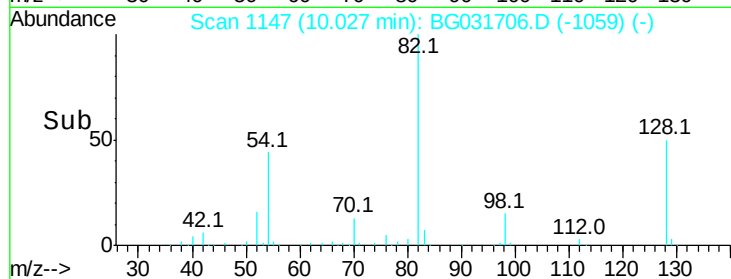
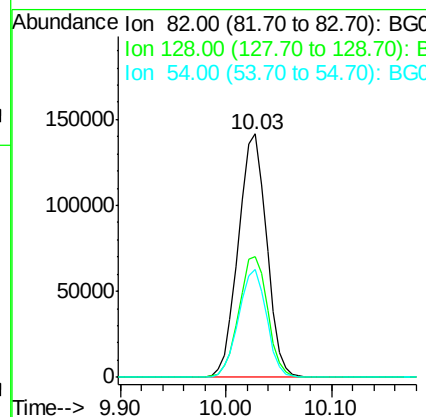
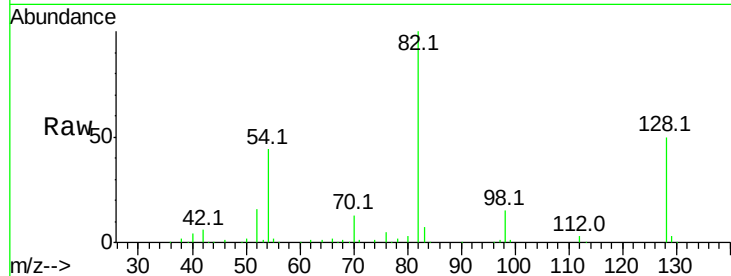




#23
Nitrobenzene-d5
Concen: 82.356 ng
RT: 10.03 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BG031706.D
Acq: 22 Dec 2017 11:53

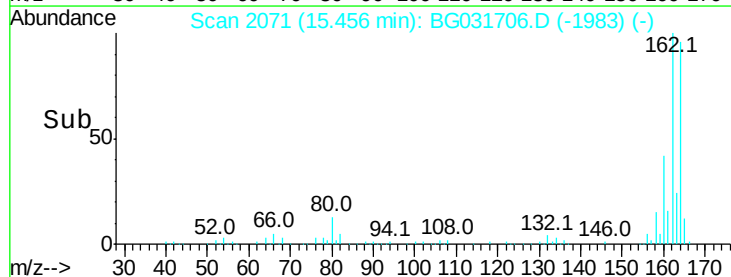
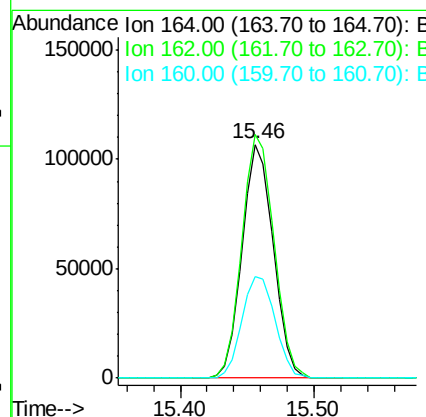
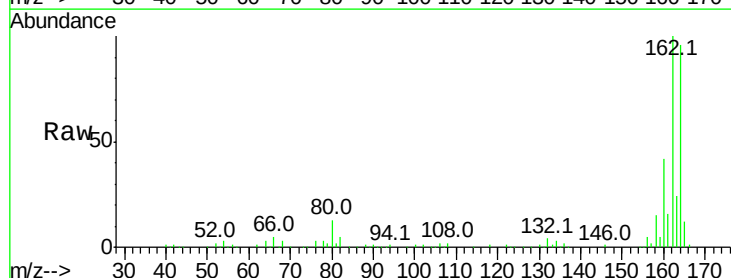
Instrument :
BNA_G
ClientSampled :

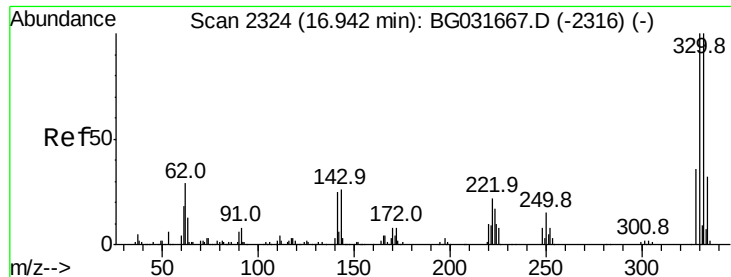
Tot Ion: 82 Resp: 262995
Ion Ratio Lower Upper
82 100
128 49.7 29.7 44.5#
54 44.3 43.1 64.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.46 min Scan# 2071
Delta R.T. -0.01 min
Lab File: BG031706.D
Acq: 22 Dec 2017 11:53

Tgt Ion:164 Resp: 172304
Ion Ratio Lower Upper
164 100
162 104.3 78.8 118.2
160 43.4 35.4 53.0

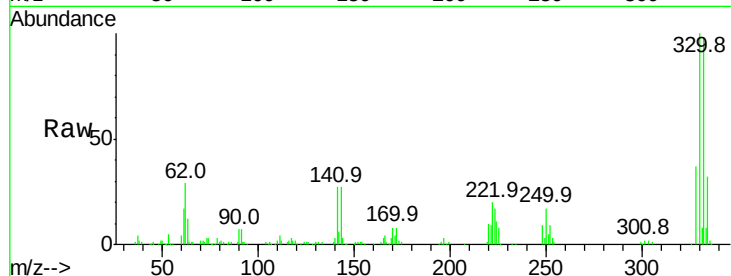




#41
 2,4,6-Tribromophenol
 Concen: 88.624 ng
 RT: 16.93 min Scan# 2322
 Delta R.T. -0.01 min
 Lab File: BG031706.D
 Acq: 22 Dec 2017 11:53

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.6	77.0	115.6
141	26.5	25.2	37.8

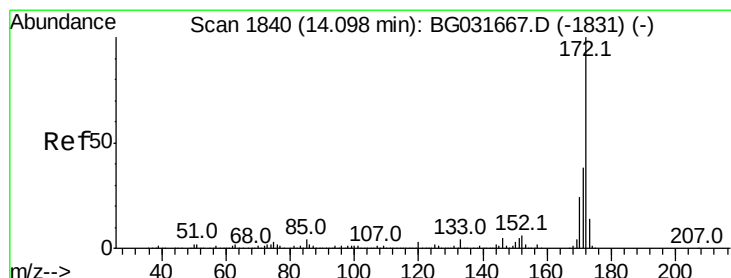
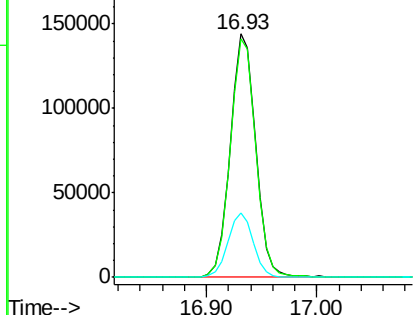
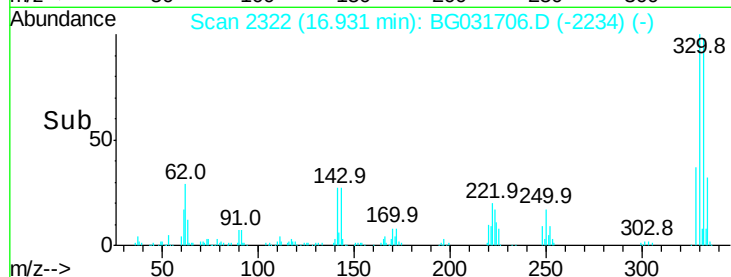


Abundance

Ion 329.80 (329.50 to 330.50): E

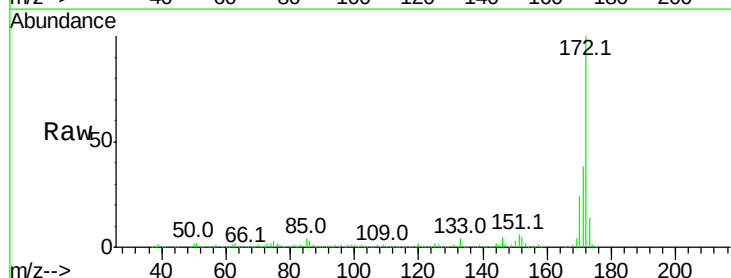
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 74.302 ng
 RT: 14.09 min Scan# 1838
 Delta R.T. -0.01 min
 Lab File: BG031706.D
 Acq: 22 Dec 2017 11:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.4	30.0	45.0
170	24.1	19.5	29.3

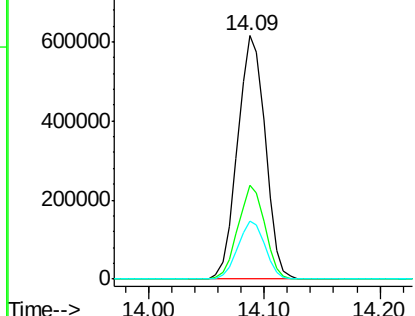
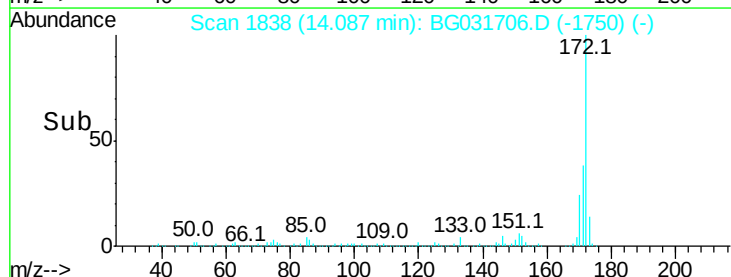


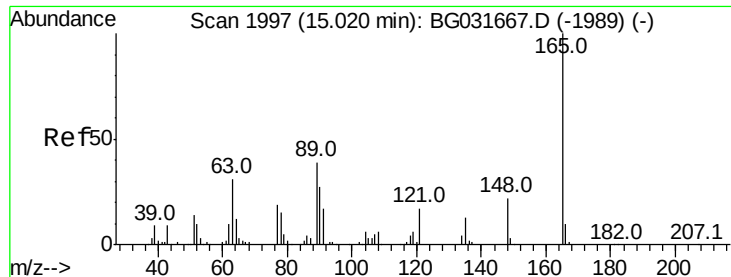
Abundance

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

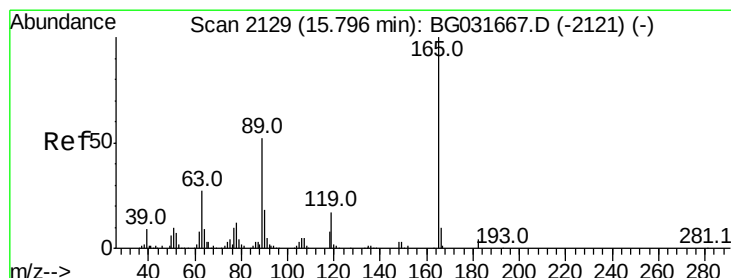
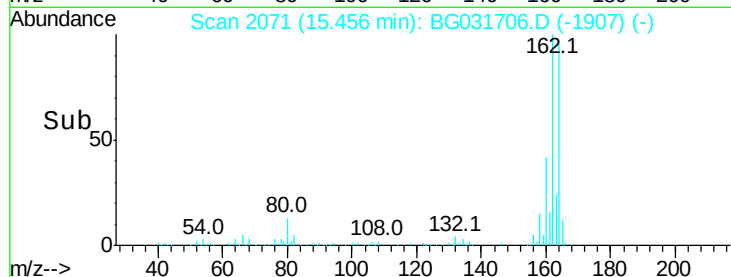
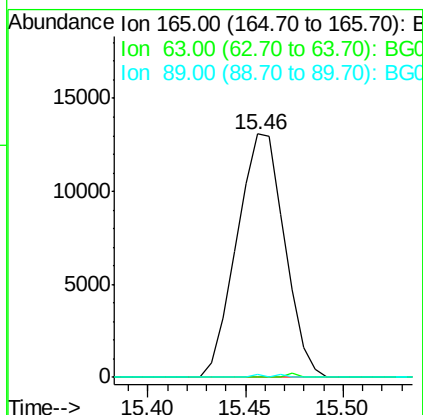
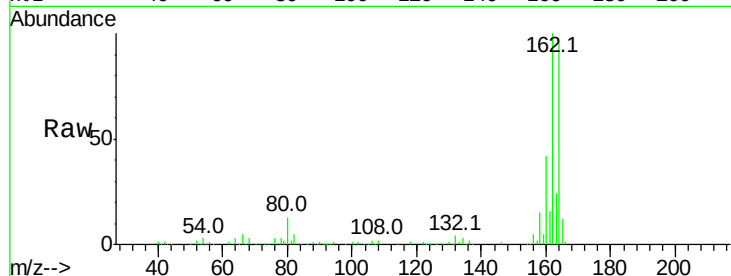




#50
2,6-Dinitrotoluene
Concen: 7.914 ng
RT: 15.46 min Scan# 2071
Delta R.T. 0.44 min
Lab File: BG031706.D
Acq: 22 Dec 2017 11:53

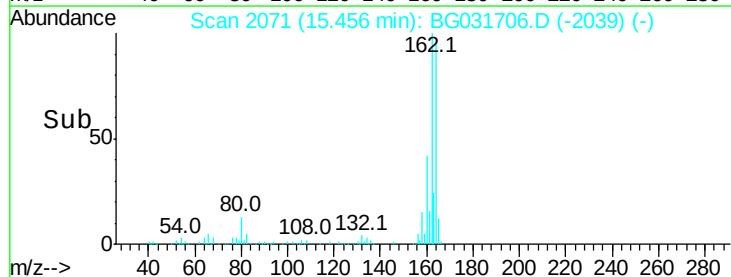
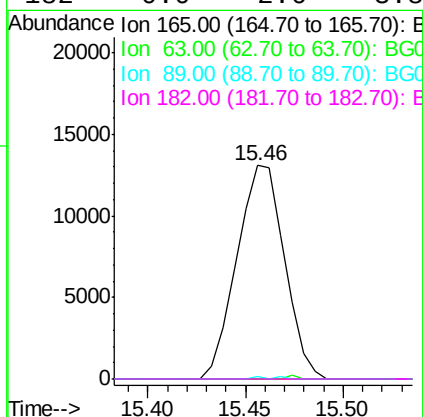
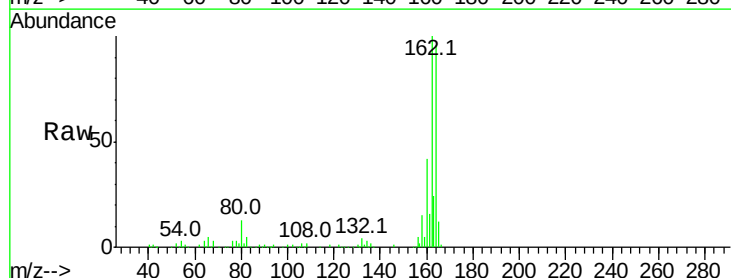
Instrument :
BNA_G
ClientSampleId :

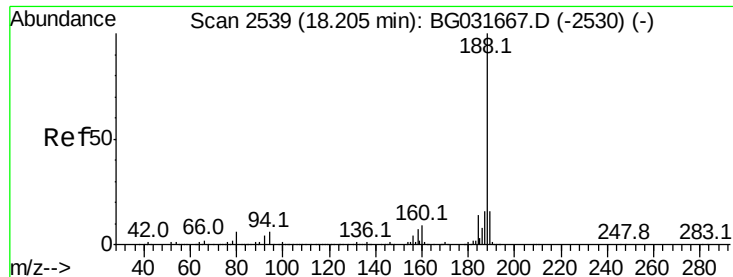
Tot Ion:165 Resp: 22099
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 1.3 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 6.155 ng
RT: 15.46 min Scan# 2071
Delta R.T. -0.34 min
Lab File: BG031706.D
Acq: 22 Dec 2017 11:53

Tgt Ion:165 Resp: 22099
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 1.3 66.9 100.3#
182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.19 min Scan# 2537

Delta R.T. -0.01 min

Lab File: BG031706.D

Acq: 22 Dec 2017 11:53

Instrument :

BNA_G

ClientSampleId :

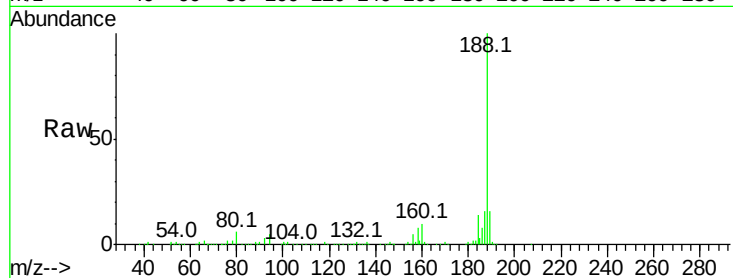
Tot Ion:188 Resp: 462409

Ion Ratio Lower Upper

188 100

94 5.3 6.9 10.3#

80 6.0 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

18.19

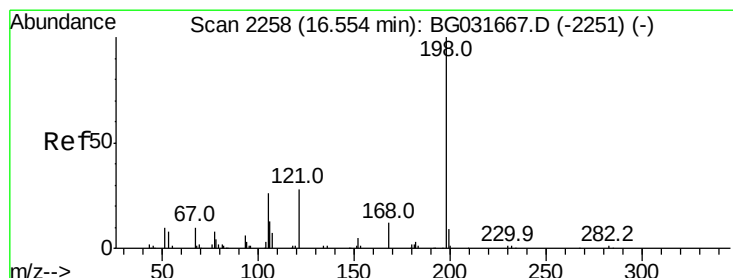
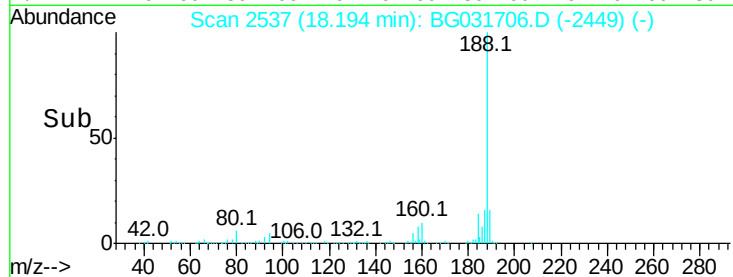
300000

200000

100000

0

Time--> 18.10 18.20 18.30



#64

4,6-Dinitro-2-methylphenol

Concen: 8.476 ng

RT: 16.93 min Scan# 2322

Delta R.T. 0.38 min

Lab File: BG031706.D

Acq: 22 Dec 2017 11:53

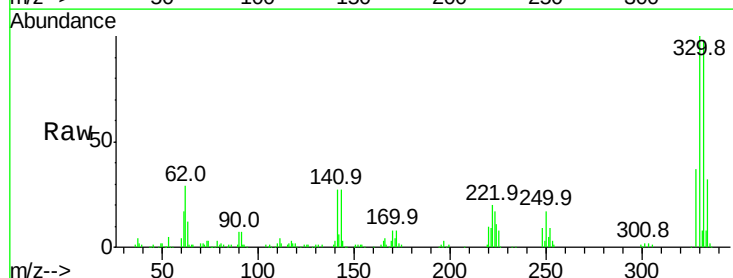
Tgt Ion:198 Resp: 464

Ion Ratio Lower Upper

198 100

51 117.1 30.6 70.6#

105 112.3 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

16.93

800

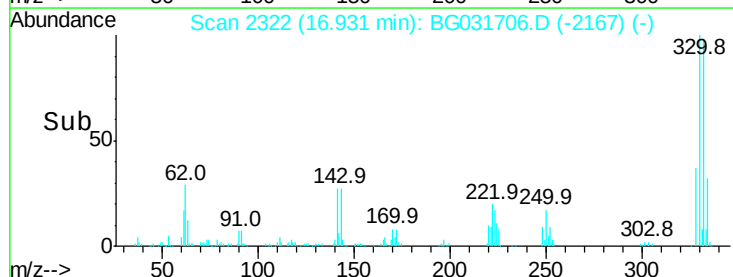
600

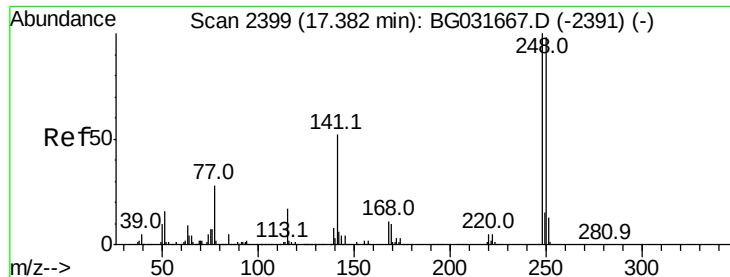
400

200

0

Time--> 16.90 16.95

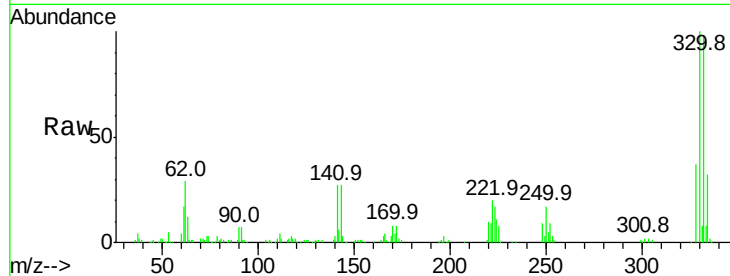




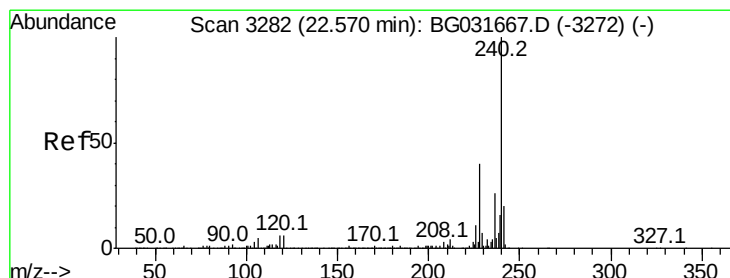
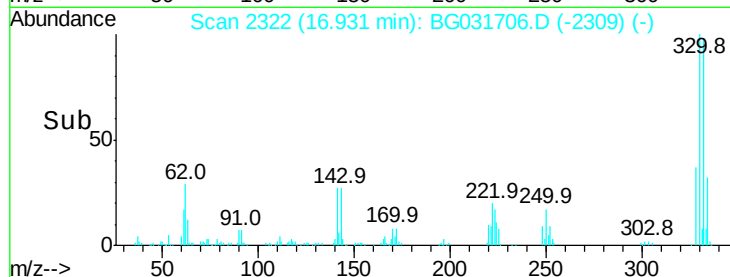
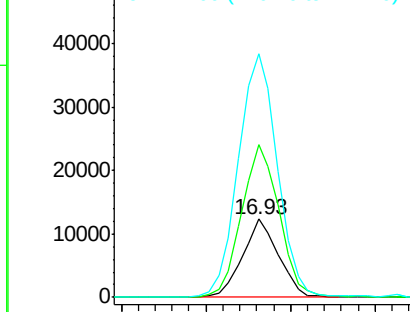
#66
4-Bromophenyl-phenylether
Concen: 2.742 ng
RT: 16.93 min Scan# 2322
Delta R.T. -0.45 min
Lab File: BG031706.D
Acq: 22 Dec 2017 11:53

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 18336
Ion Ratio Lower Upper
248 100
250 195.5 77.1 115.7#
141 310.9 50.8 76.2#

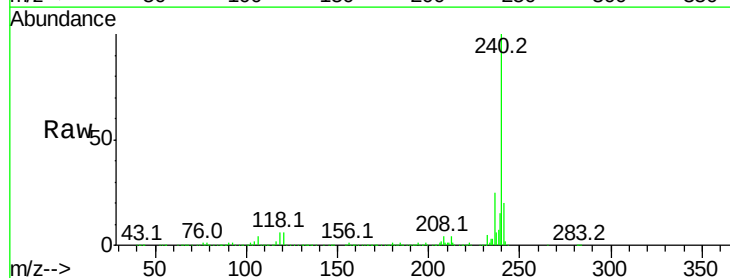


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

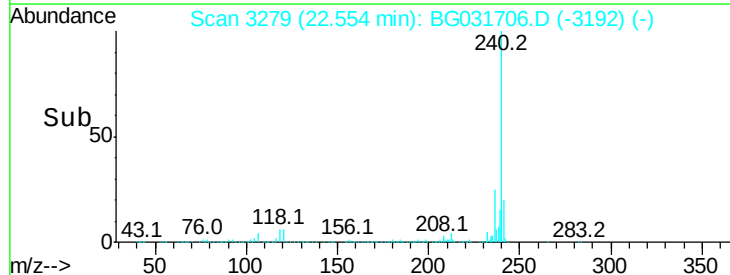
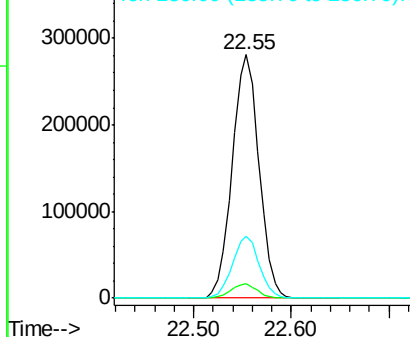


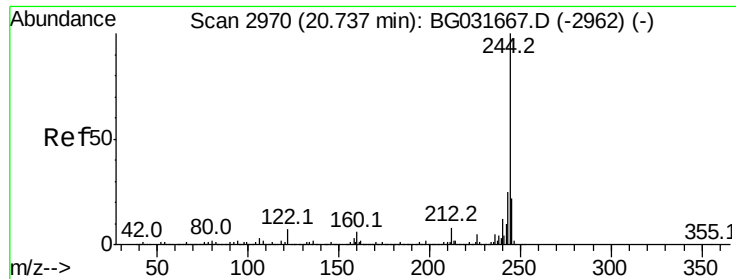
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.55 min Scan# 3279
Delta R.T. -0.02 min
Lab File: BG031706.D
Acq: 22 Dec 2017 11:53

Tgt Ion:240 Resp: 533515
Ion Ratio Lower Upper
240 100
120 5.8 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: 78.095 ng

RT: 20.73 min Scan# 2968

Delta R.T. -0.01 min

Lab File: BG031706.D

Acq: 22 Dec 2017 11:53

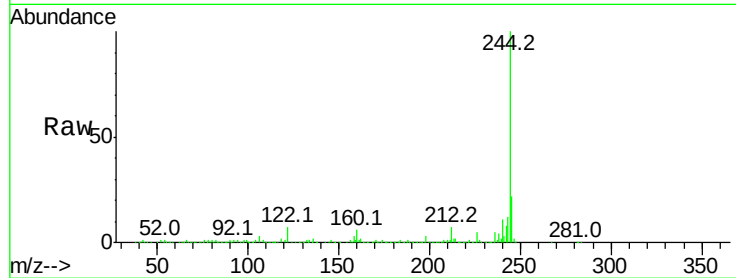
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1823690

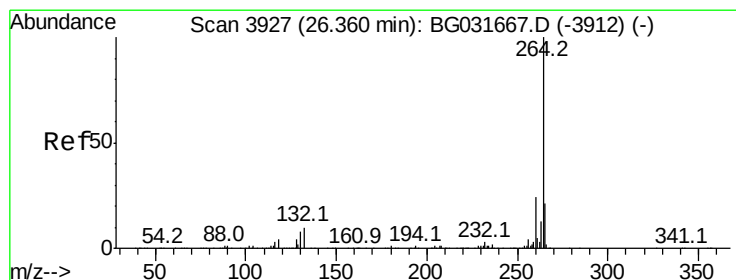
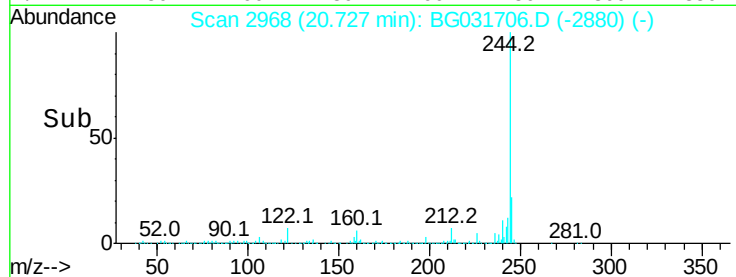
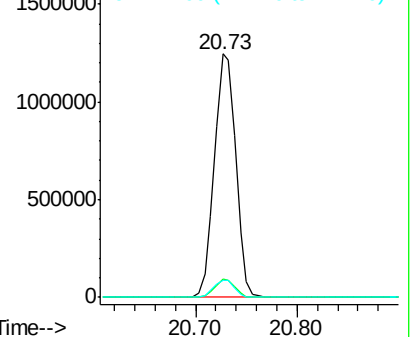
Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.8
122	7.2	7.0	10.4



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: 26.34 min Scan# 3924

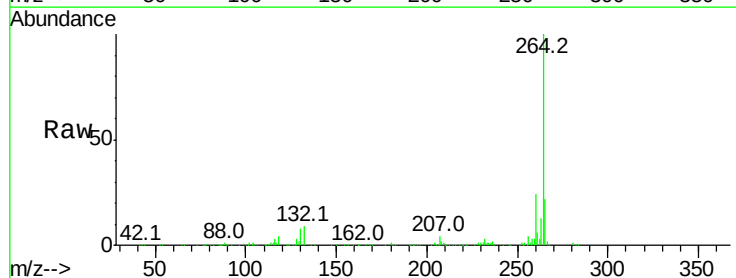
Delta R.T. -0.02 min

Lab File: BG031706.D

Acq: 22 Dec 2017 11:53

Tgt Ion:264 Resp: 558209

Ion	Ratio	Lower	Upper
264	100		
260	23.7	17.4	26.0
265	22.1	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

