

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010318\
 Data File : BG031891.D
 Acq On : 3 Jan 2018 15:22
 Operator : SJ/JU
 Sample : PB105448BL
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 03 15:56:32 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 29 15:51:46 2017
 Response via : Initial Calibration

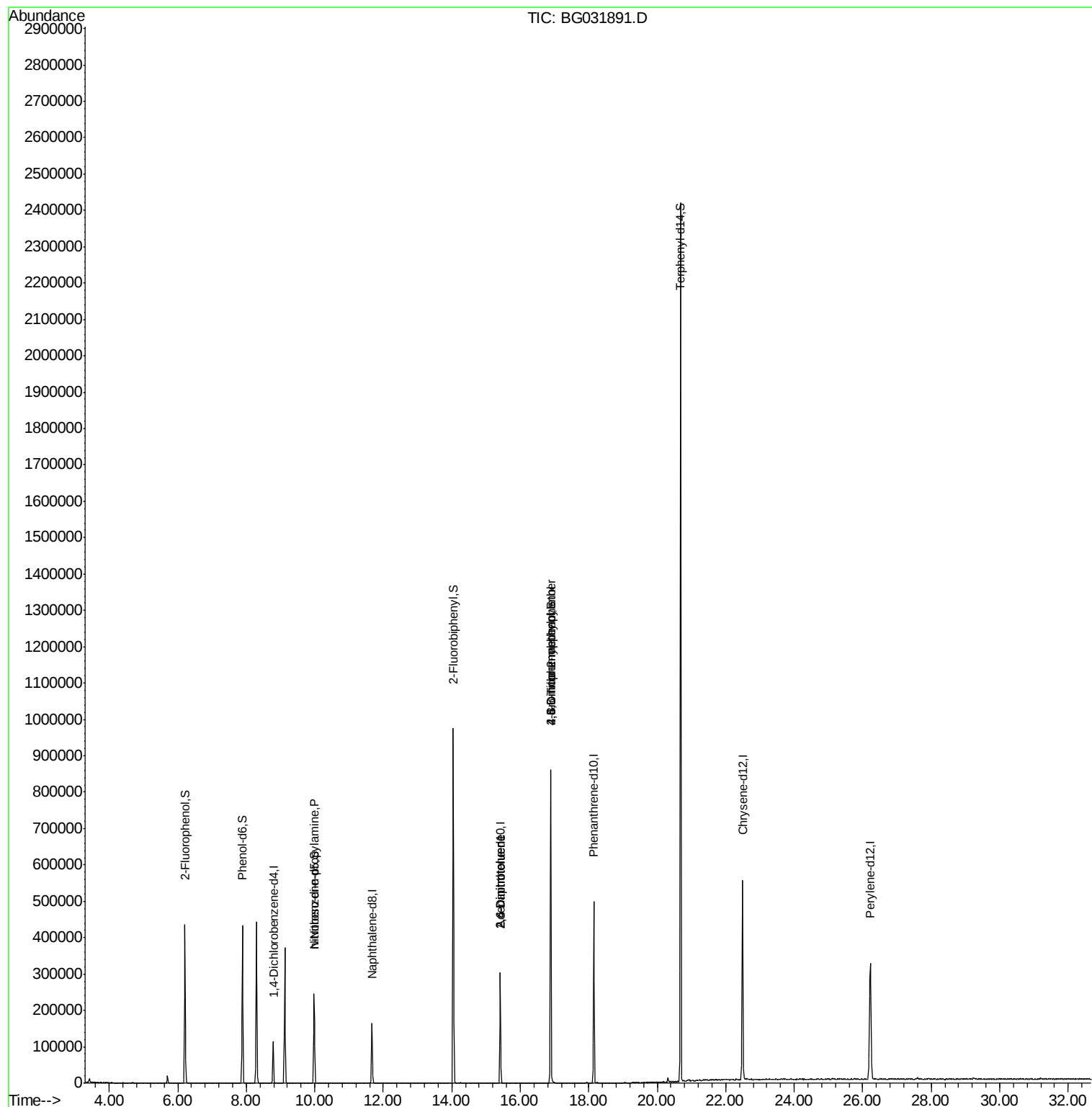
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.79	152	41234	20.00	ng	0.00
21) Naphthalene-d8	11.67	136	170451	20.00	ng	-0.01
38) Acenaphthene-d10	15.41	164	118604	20.00	ng	-0.01
63) Phenanthrene-d10	18.15	188	345936	20.00	ng	-0.01
75) Chrysene-d12	22.49	240	415883	20.00	ng	-0.02
86) Perylene-d12	26.22	264	428904	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	6.21	112	238808	105.49	ng	0.00
7) Phenol-d6	7.89	99	300231	102.14	ng	0.00
23) Nitrobenzene-d5	9.98	82	161678	71.63	ng	0.00
41) 2,4,6-Tribromophenol	16.89	330	209147	115.57	ng	0.00
44) 2-Fluorobiphenyl	14.05	172	598980	63.39	ng	0.00
78) Terphenyl-d14	20.68	244	1288814	70.80	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.98	70	20513	10.219	ng	# 77
50) 2,6-Dinitrotoluene	15.41	165	15950	8.298	ng	# 18
56) 2,4-Dinitrotoluene	15.41	165	15950	6.453	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.89	198	440	8.522	ng	# 13
66) 4-Bromophenyl-phenylether	16.88	248	16809	3.360	ng	# 1

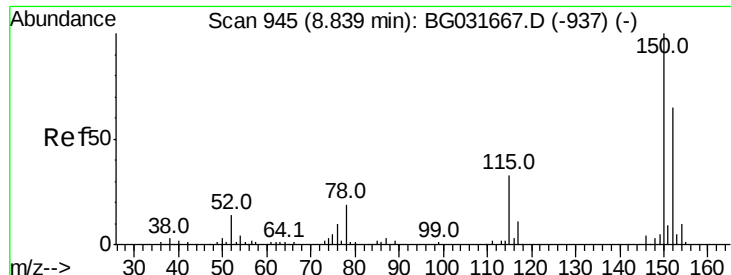
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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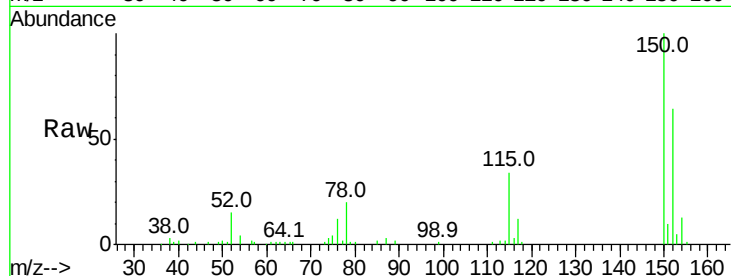


#1

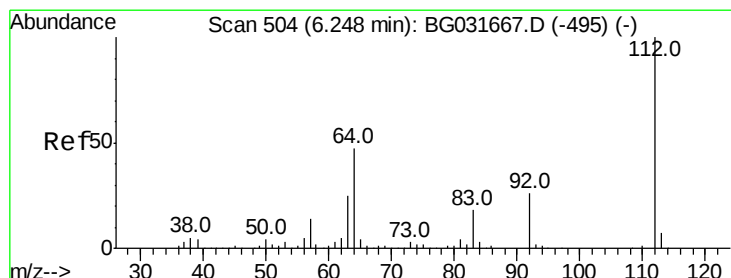
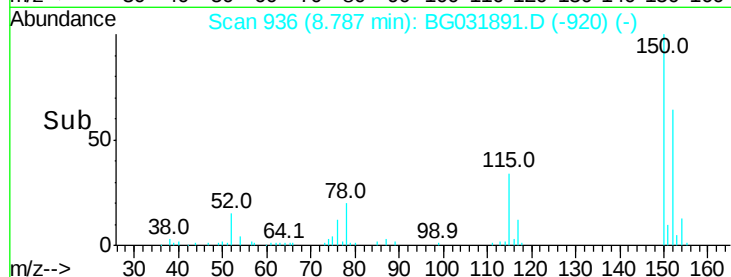
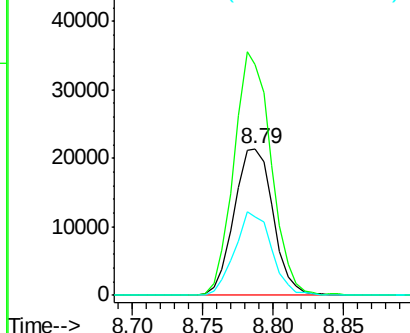
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.79 min Scan# 936
Delta R.T. -0.01 min
Lab File: BG031891.D
Acq: 3 Jan 2018 15:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 41234
Ion Ratio Lower Upper
152 100
150 157.4 126.6 189.8
115 53.4 53.0 79.4



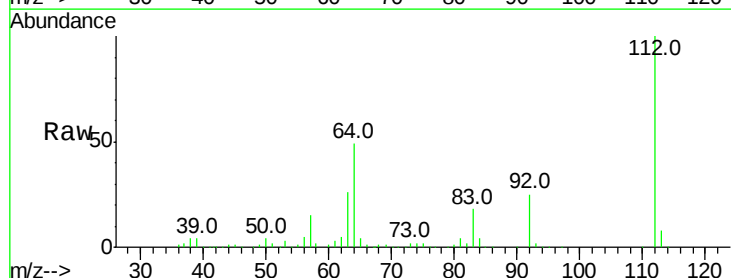
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



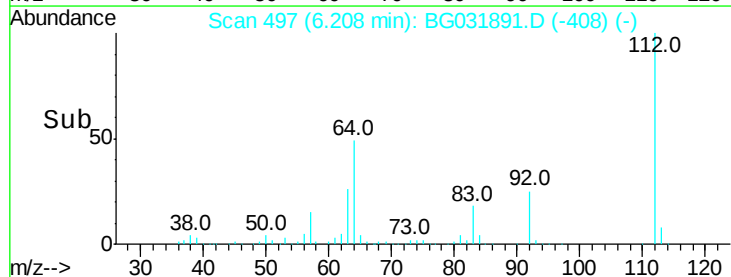
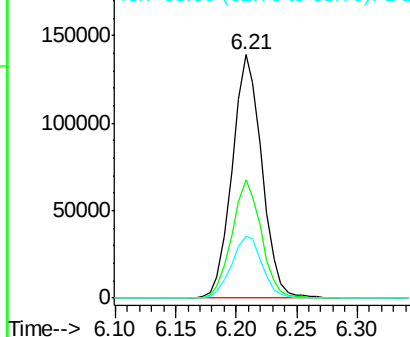
#5

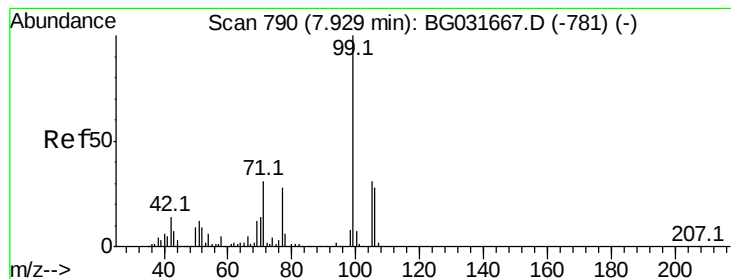
2-Fluorophenol
Concen: 105.486 ng
RT: 6.21 min Scan# 497
Delta R.T. -0.01 min
Lab File: BG031891.D
Acq: 3 Jan 2018 15:22

Tgt Ion:112 Resp: 238808
Ion Ratio Lower Upper
112 100
64 48.5 56.3 84.5#
63 25.6 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: 102.145 ng

RT: 7.89 min Scan# 783

Delta R.T. -0.01 min

Lab File: BG031891.D

Acq: 3 Jan 2018 15:22

Instrument :

BNA_G

ClientSampleId :

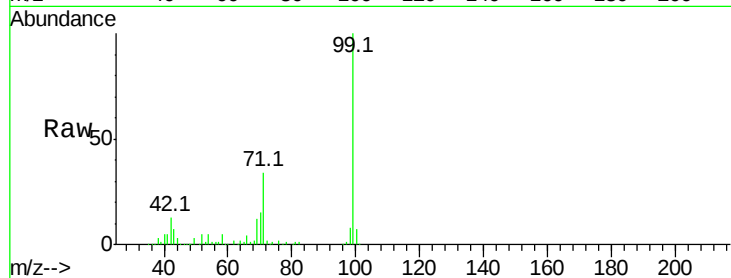
Tot Ion: 99 Resp: 300231

Ion Ratio Lower Upper

99 100

42 13.3 14.1 21.1#

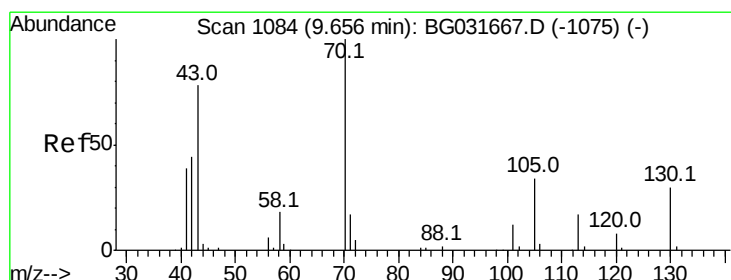
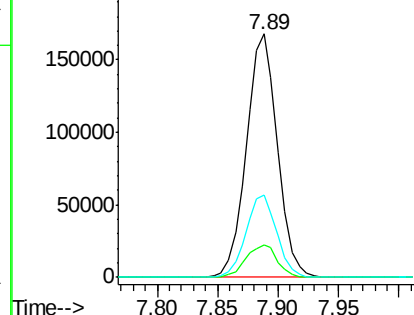
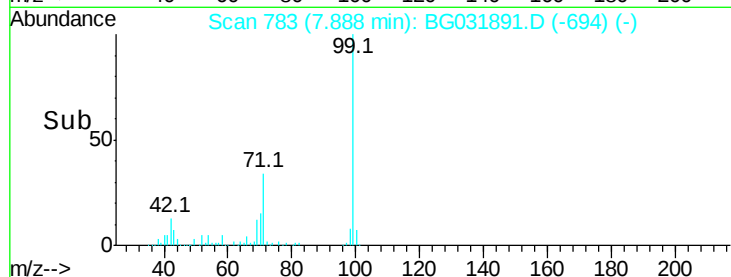
71 33.9 26.1 39.1



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.219 ng

RT: 9.98 min Scan# 1139

Delta R.T. 0.38 min

Lab File: BG031891.D

Acq: 3 Jan 2018 15:22

Tgt Ion: 70 Resp: 20513

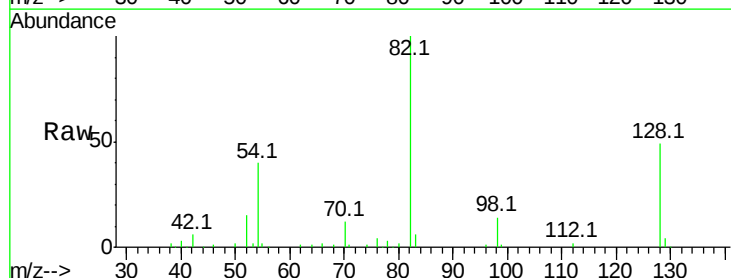
Ion Ratio Lower Upper

70 100

42 46.6 49.1 73.7#

101 0.0 8.5 12.7#

130 2.9 13.4 20.0#

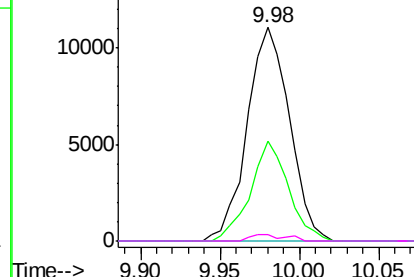
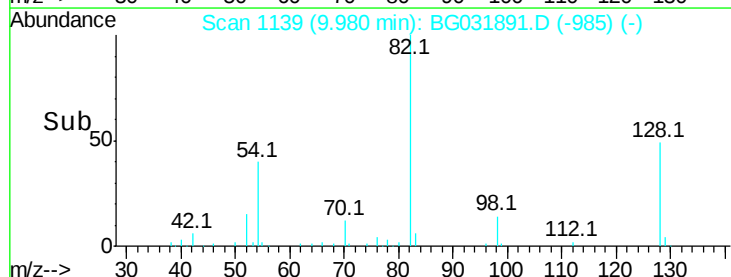


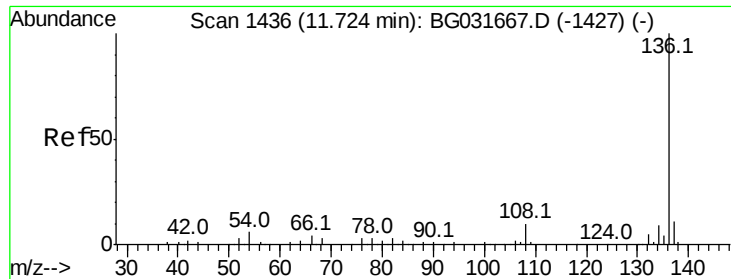
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

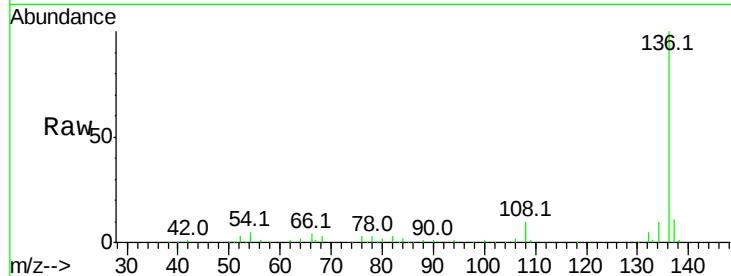




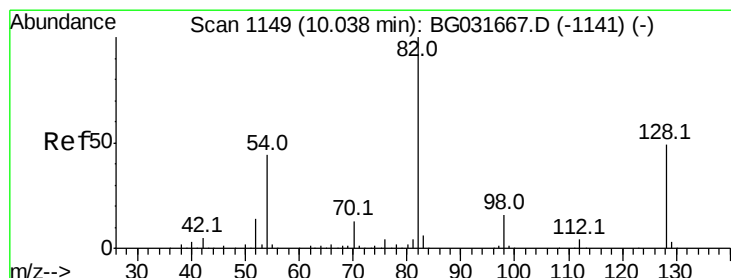
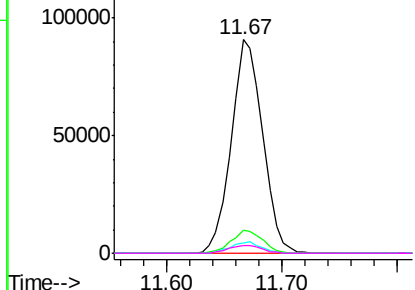
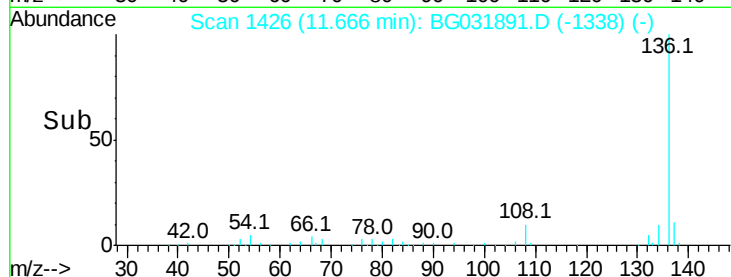
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.67 min Scan# 1426
Delta R.T. -0.01 min
Lab File: BG031891.D
Acq: 3 Jan 2018 15:22

Instrument :
BNA_G
ClientSampled :

Tot Ion:136 Resp: 170451
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 5.1 10.3 15.5#
68 3.5 4.5 6.7#

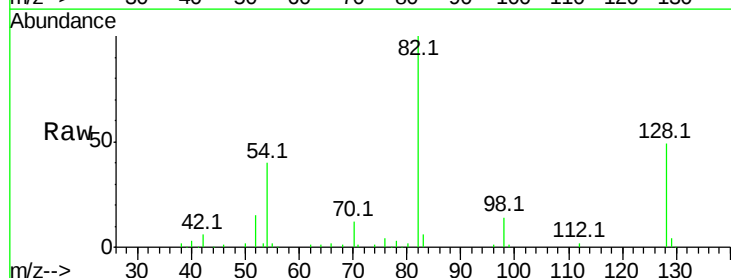


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

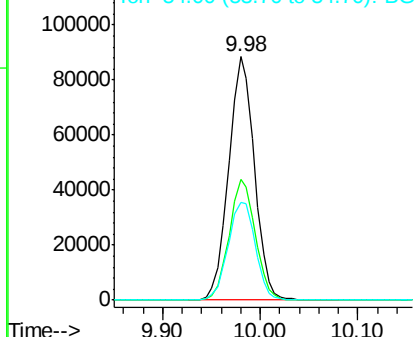
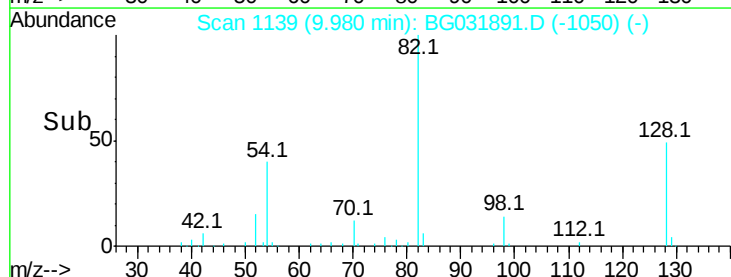


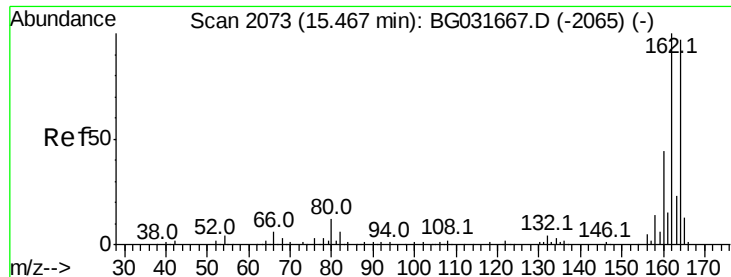
#23
Nitrobenzene-d5
Concen: 71.626 ng
RT: 9.98 min Scan# 1139
Delta R.T. -0.01 min
Lab File: BG031891.D
Acq: 3 Jan 2018 15:22

Tgt Ion: 82 Resp: 161678
Ion Ratio Lower Upper
82 100
128 49.5 29.7 44.5#
54 40.1 43.1 64.7#



Abundance Ion 82.00 (81.70 to 82.70): B
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): B

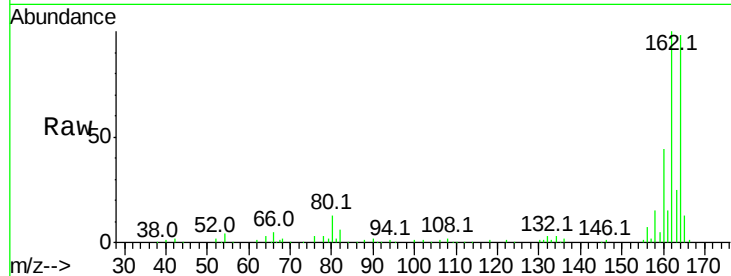




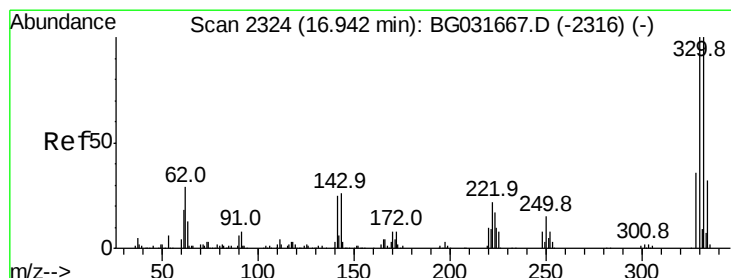
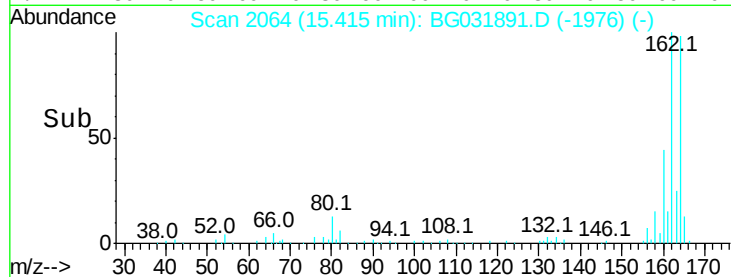
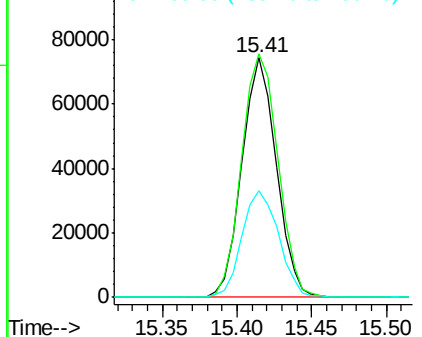
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.41 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: BG031891.D
 Acq: 3 Jan 2018 15:22

Instrument :
 BNA_G
 ClientSampleID :

Tot Ion:164 Resp: 118604
 Ion Ratio Lower Upper
 164 100
 162 101.7 78.8 118.2
 160 44.8 35.4 53.0

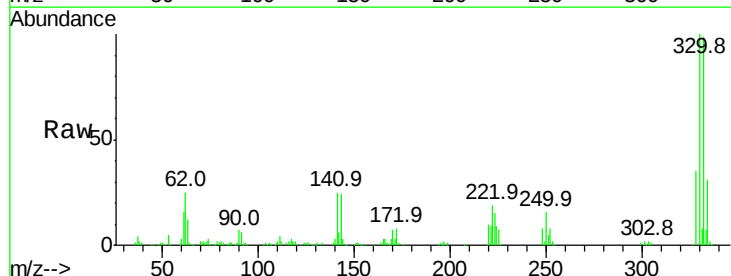


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

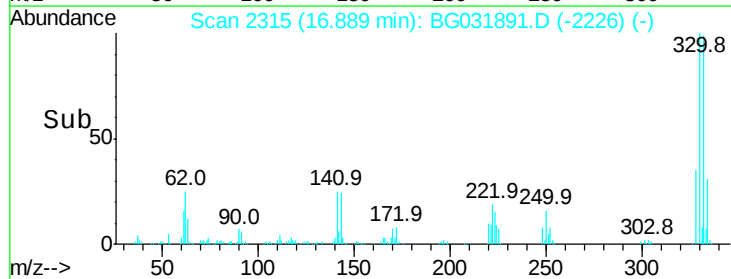
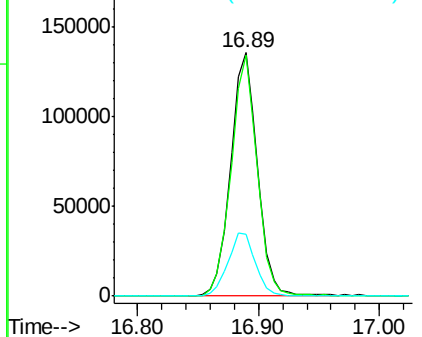


#41
 2,4,6-Tribromophenol
 Concen: 115.568 ng
 RT: 16.89 min Scan# 2315
 Delta R.T. -0.01 min
 Lab File: BG031891.D
 Acq: 3 Jan 2018 15:22

Tgt Ion:330 Resp: 209147
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 26.7 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

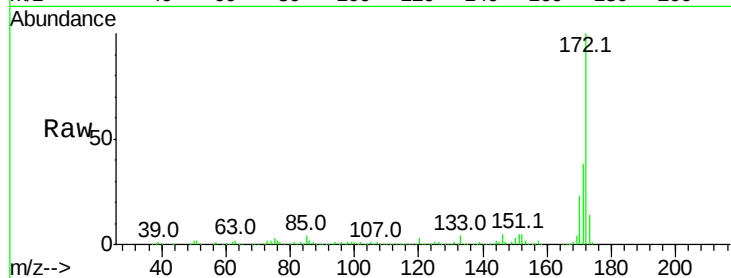




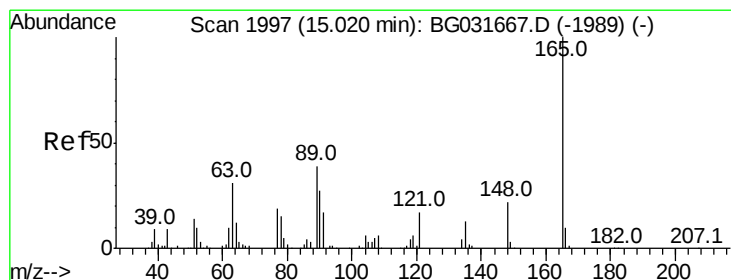
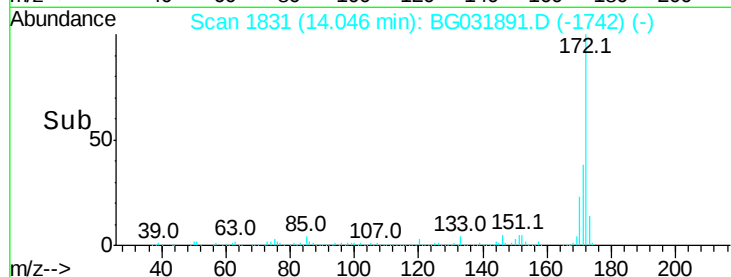
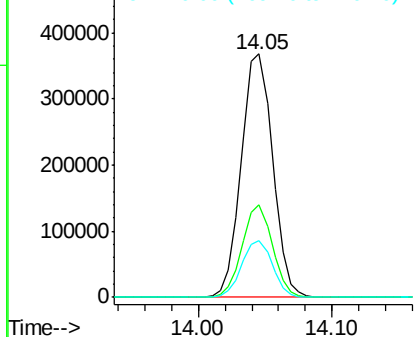
#44
2-Fluorobiphenyl
Concen: 63.387 ng
RT: 14.05 min Scan# 1831
Delta R.T. -0.01 min
Lab File: BG031891.D
Acq: 3 Jan 2018 15:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 598980
Ion Ratio Lower Upper
172 100
171 38.1 30.0 45.0
170 23.1 19.5 29.3

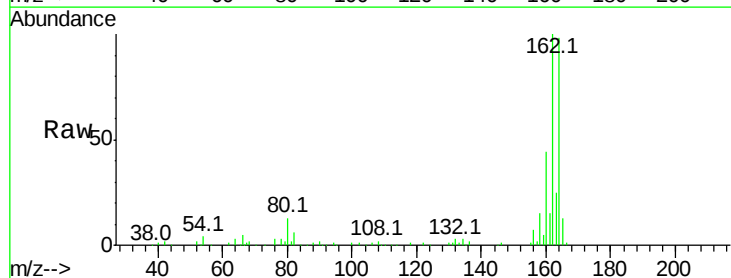


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

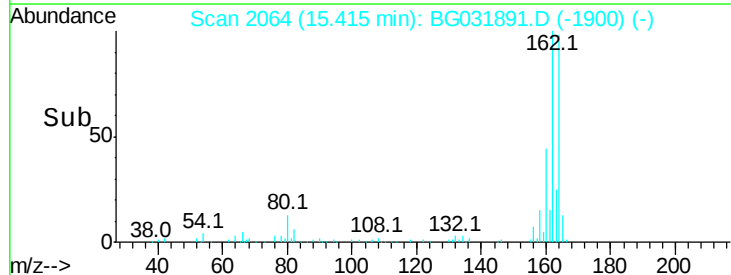
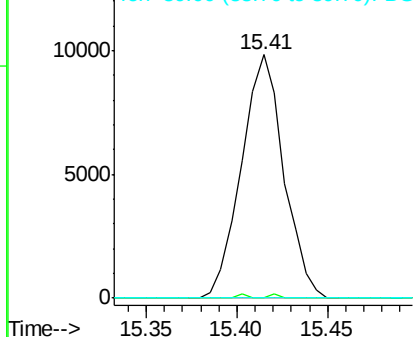


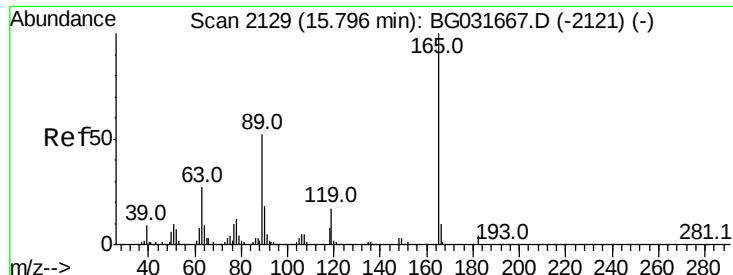
#50
2,6-Dinitrotoluene
Concen: 8.298 ng
RT: 15.41 min Scan# 2064
Delta R.T. 0.43 min
Lab File: BG031891.D
Acq: 3 Jan 2018 15:22

Tgt Ion:165 Resp: 15950
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG0
Ion 89.00 (88.70 to 89.70): BG0





#56

2,4-Dinitrotoluene

Concen: 6.453 ng

RT: 15.41 min Scan# 2064

Delta R.T. -0.34 min

Lab File: BG031891.D

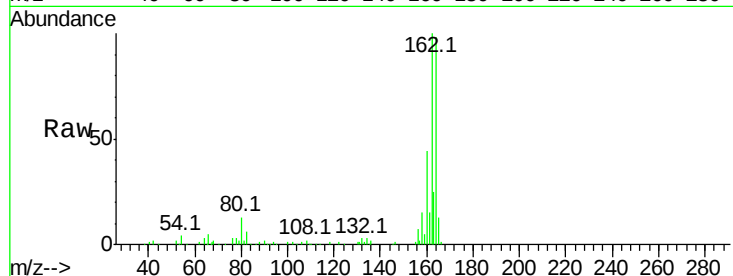
Acq: 3 Jan 2018 15:22

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165	Resp:	15950
Ion Ratio	Lower	Upper
165	100	
63	0.0	42.0 63.0#
89	0.0	66.9 100.3#
182	0.0	2.6 3.8#

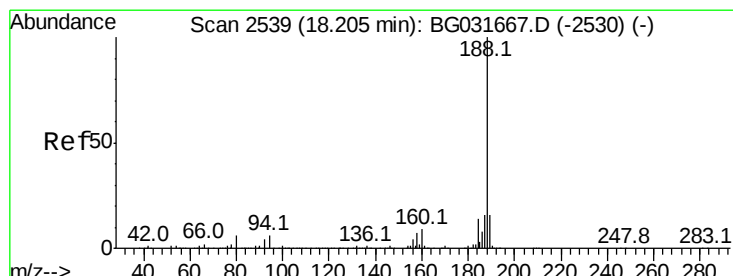
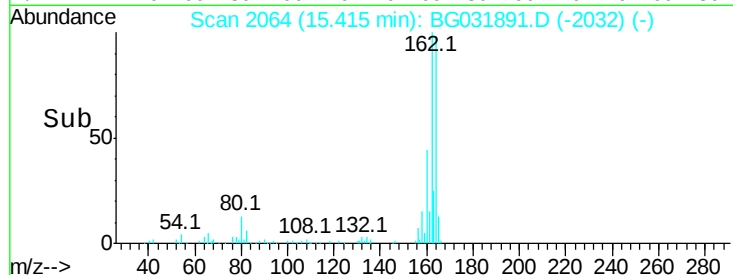
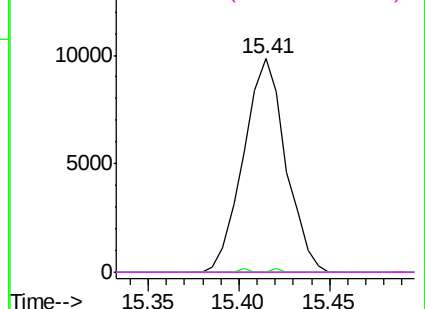


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

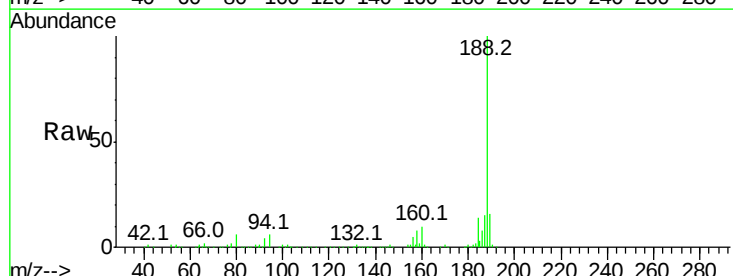
RT: 18.15 min Scan# 2529

Delta R.T. -0.01 min

Lab File: BG031891.D

Acq: 3 Jan 2018 15:22

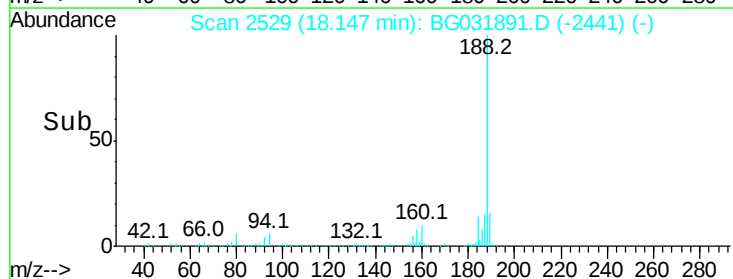
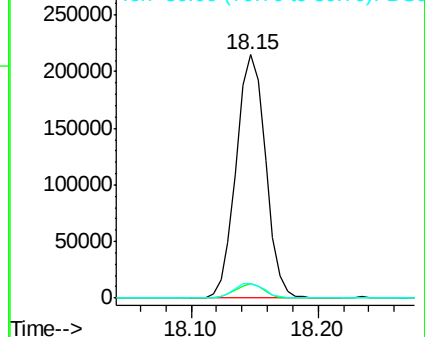
Tgt Ion:188	Resp:	345936
Ion Ratio	Lower	Upper
188	100	
94	5.9	6.9 10.3#
80	5.9	7.7 11.5#

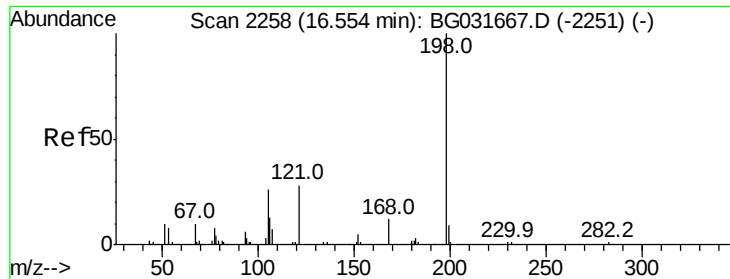


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

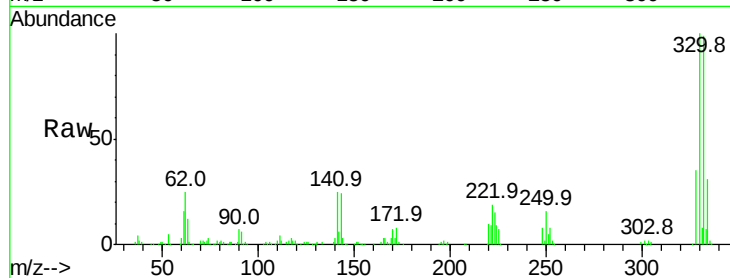




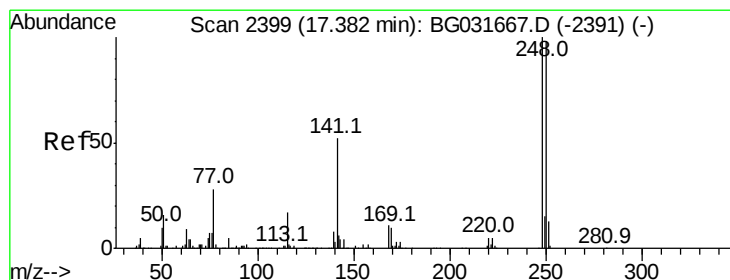
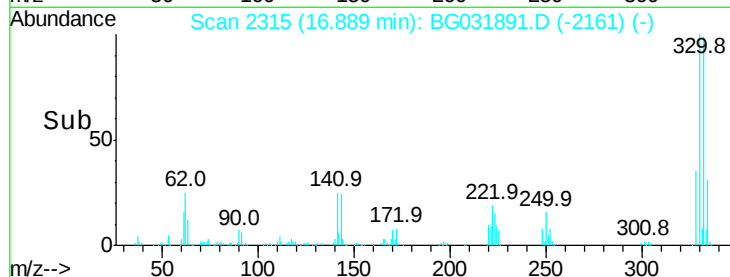
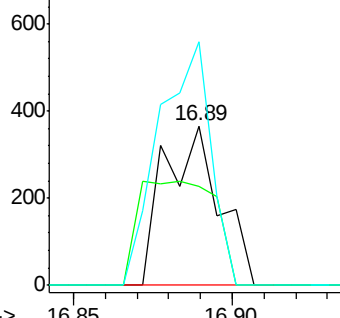
#64
4,6-Dinitro-2-methylphenol
Concen: 8.522 ng
RT: 16.89 min Scan# 2315
Delta R.T. 0.38 min
Lab File: BG031891.D
Acq: 3 Jan 2018 15:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:198 Resp: 440
Ion Ratio Lower Upper
198 100
51 62.3 30.6 70.6
105 152.7 23.8 63.8#

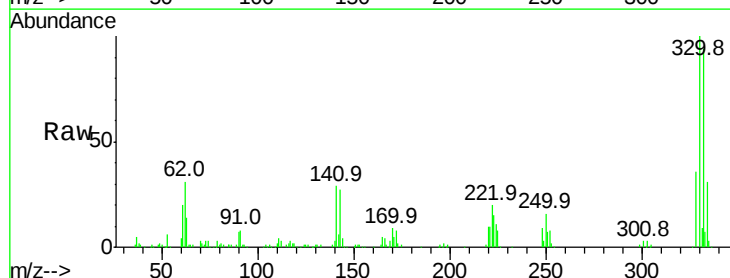


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BGC
Ion 105.00 (104.70 to 105.70): E

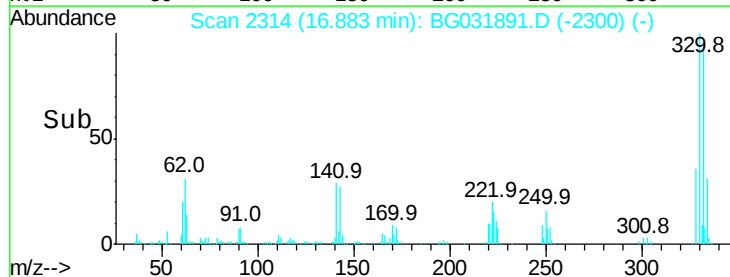
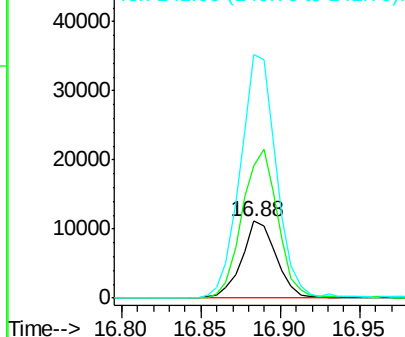


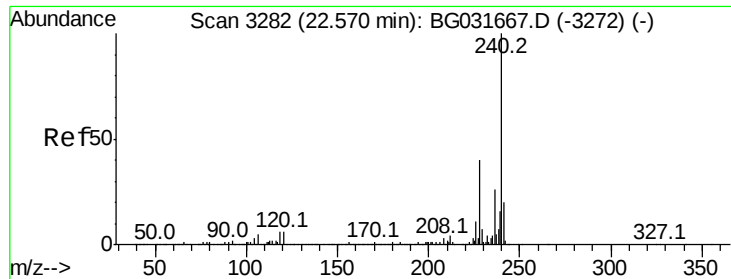
#66
4-Bromophenyl-phenylether
Concen: 3.360 ng
RT: 16.88 min Scan# 2314
Delta R.T. -0.45 min
Lab File: BG031891.D
Acq: 3 Jan 2018 15:22

Tgt Ion:248 Resp: 16809
Ion Ratio Lower Upper
248 100
250 171.4 77.1 115.7#
141 316.2 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: 22.49 min Scan# 3268

Delta R.T. -0.02 min

Lab File: BG031891.D

Acq: 3 Jan 2018 15:22

Instrument :

BNA_G

ClientSampleId :

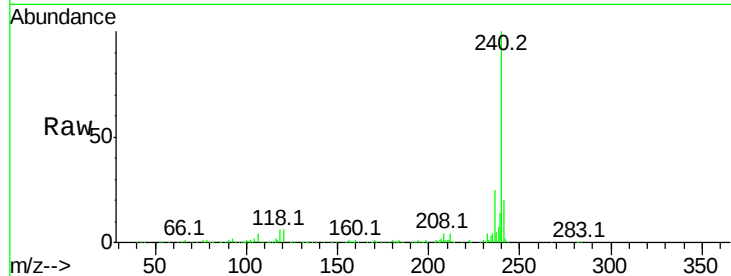
Tot Ion:240 Resp: 415883

Ion Ratio Lower Upper

240 100

120 6.0 6.8 10.2#

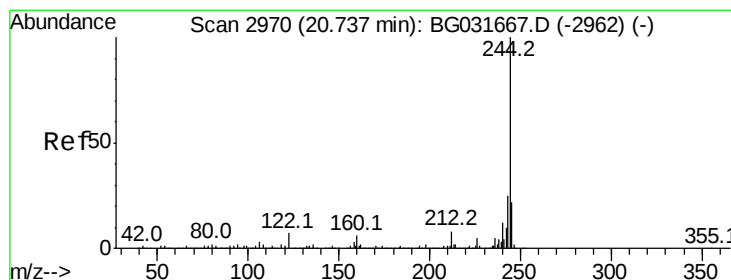
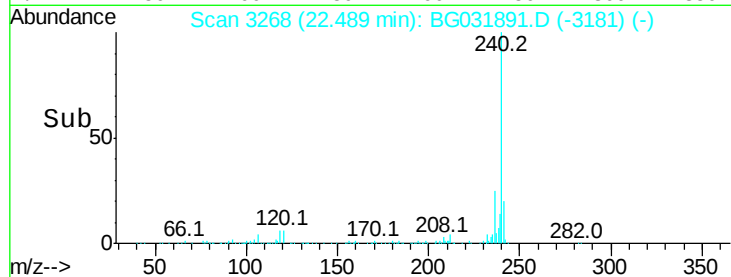
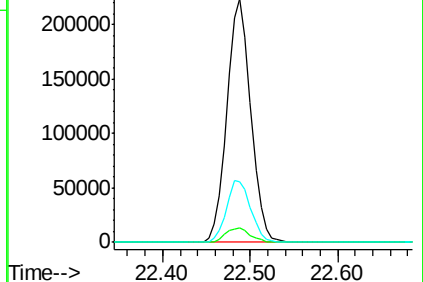
236 24.9 20.9 31.3



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: 70.801 ng

RT: 20.68 min Scan# 2960

Delta R.T. -0.01 min

Lab File: BG031891.D

Acq: 3 Jan 2018 15:22

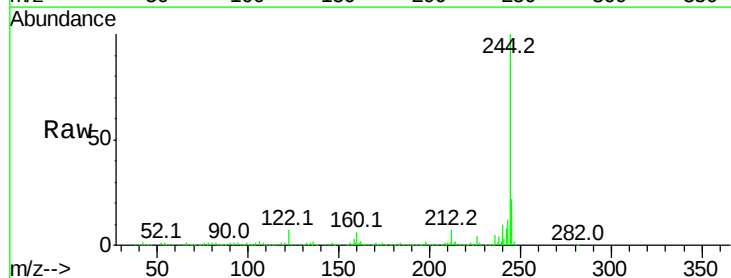
Tgt Ion:244 Resp: 1288814

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

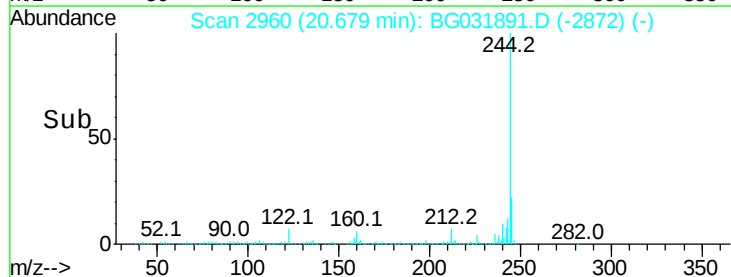
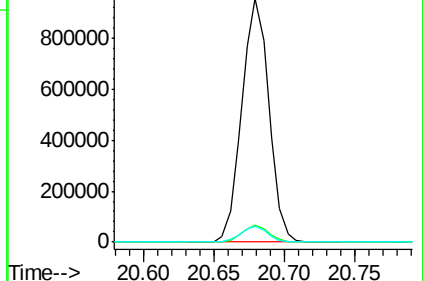
122 6.7 7.0 10.4#

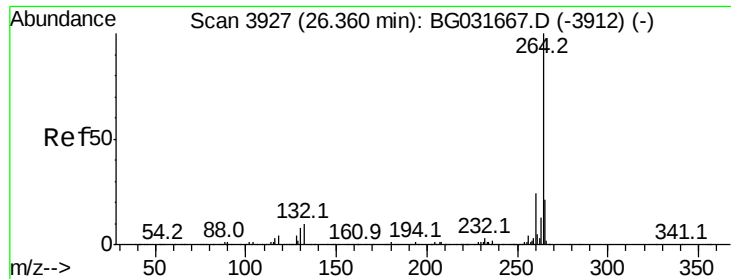


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

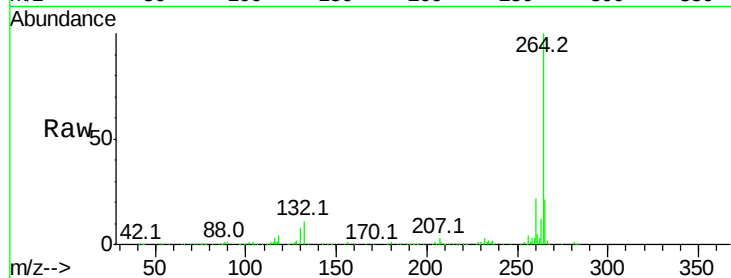




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.22 min Scan# 3903
Delta R.T. -0.04 min
Lab File: BG031891.D
Acq: 3 Jan 2018 15:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.9	17.4	26.0
265	20.6	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

