

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122817\
 Data File : BG031834.D
 Acq On : 28 Dec 2017 20:42
 Operator : SJ/JU
 Sample : I7083-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 29 06:29:04 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	52326	20.00	ng	-0.03
21) Naphthalene-d8	11.68	136	202612	20.00	ng	-0.04
38) Acenaphthene-d10	15.43	164	135634	20.00	ng	-0.03
63) Phenanthrene-d10	18.16	188	371143	20.00	ng	-0.04
75) Chrysene-d12	22.51	240	445787	20.00	ng	-0.06
86) Perylene-d12	26.26	264	468495	20.00	ng	-0.10

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.23	112	360618	125.53	ng	-0.02
7) Phenol-d6	7.91	99	414429	111.11	ng	-0.02
23) Nitrobenzene-d5	10.00	82	275227	102.58	ng	-0.04
41) 2,4,6-Tribromophenol	16.91	330	350883	169.54	ng	-0.03
44) 2-Fluorobiphenyl	14.06	172	991502	91.75	ng	-0.03
78) Terphenyl-d14	20.70	244	1868246	95.75	ng	-0.04

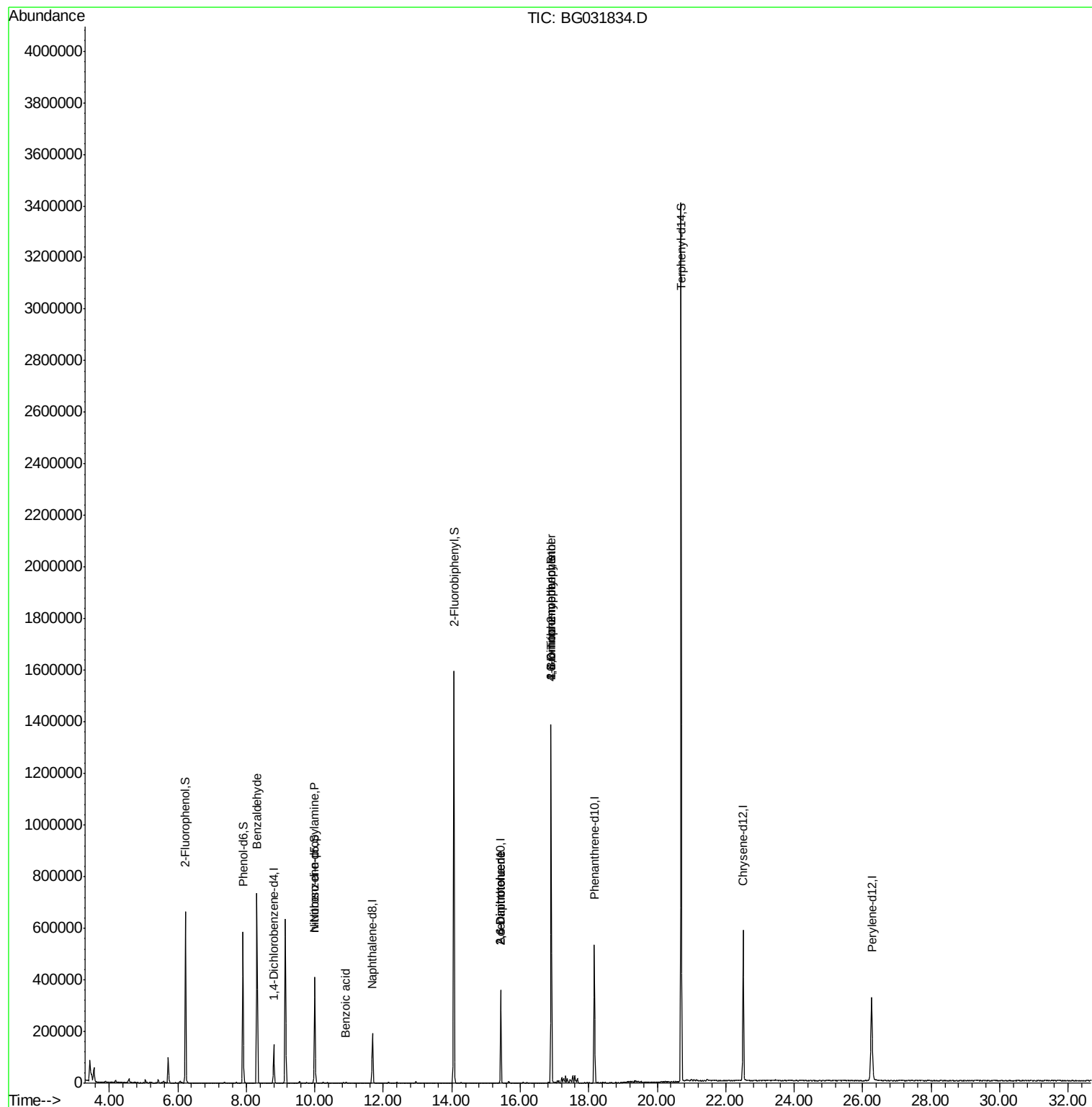
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	8.31	77	8596	3.827	ng	96
19) n-Nitroso-di-n-propylamine	10.00	70	37151	14.584	ng	# 69
32) Benzoic acid	10.90	122	62	6.720	ng	# 42
50) 2,6-Dinitrotoluene	15.43	165	17504	7.963	ng	# 19
56) 2,4-Dinitrotoluene	15.43	165	17504	6.193	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.91	198	915	8.725	ng	# 66
66) 4-Bromophenyl-phenylether	16.90	248	26997	5.030	ng	# 1

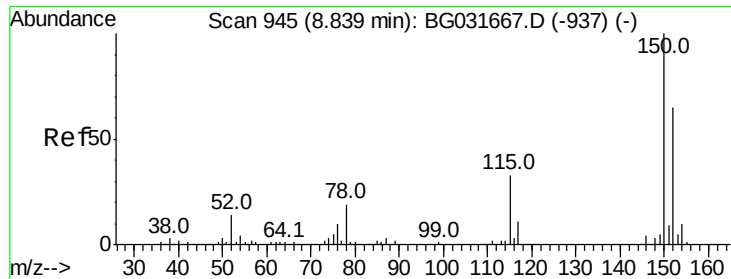
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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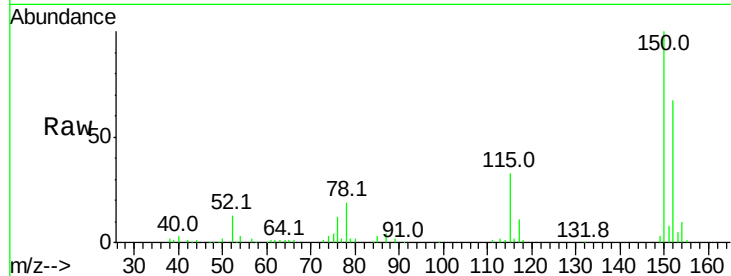


#1

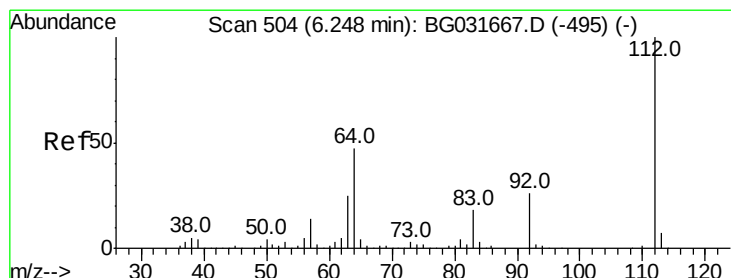
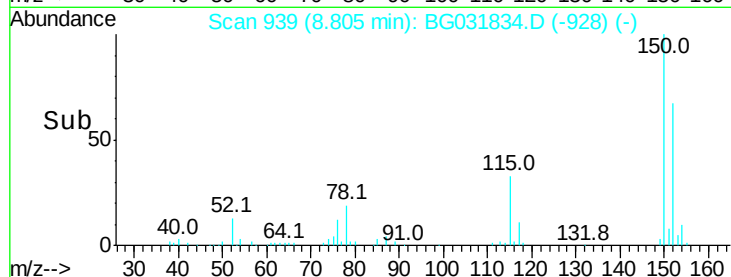
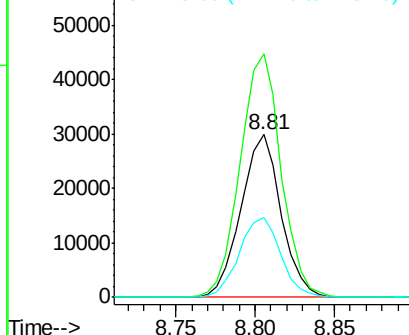
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.81 min Scan# 939
Delta R.T. -0.03 min
Lab File: BG031834.D
Acq: 28 Dec 2017 20:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 52326
Ion Ratio Lower Upper
152 100
150 149.9 126.6 189.8
115 49.0 53.0 79.4#



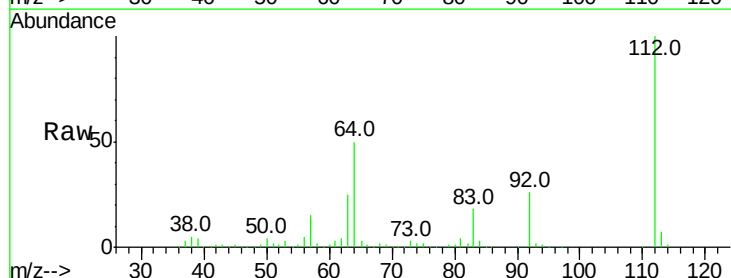
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



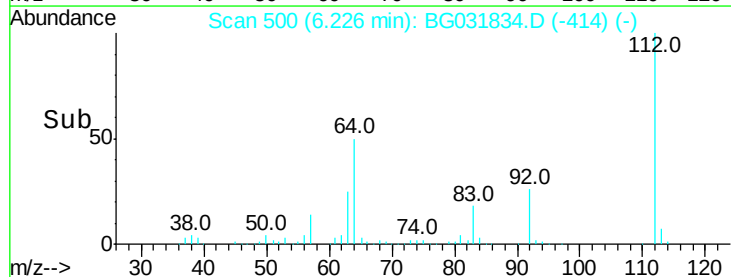
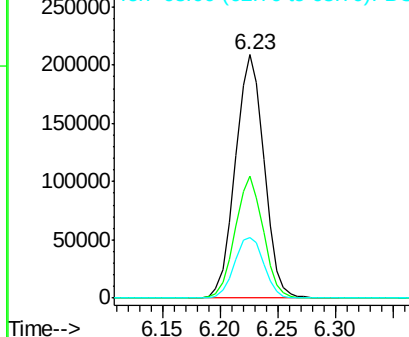
#5

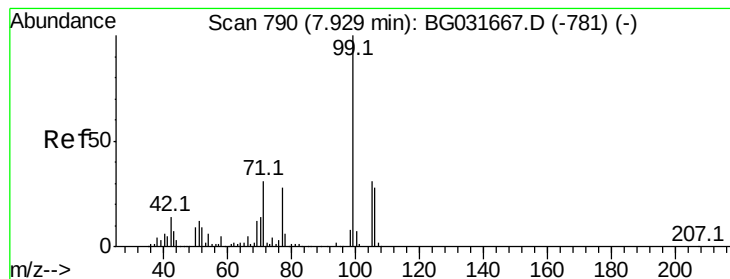
2-Fluorophenol
Concen: 125.525 ng
RT: 6.23 min Scan# 500
Delta R.T. -0.02 min
Lab File: BG031834.D
Acq: 28 Dec 2017 20:42

Tgt Ion:112 Resp: 360618
Ion Ratio Lower Upper
112 100
64 50.0 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): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 111.109 ng

RT: 7.91 min Scan# 786

Delta R.T. -0.02 min

Lab File: BG031834.D

Acq: 28 Dec 2017 20:42

Instrument :

BNA_G

ClientSampled :

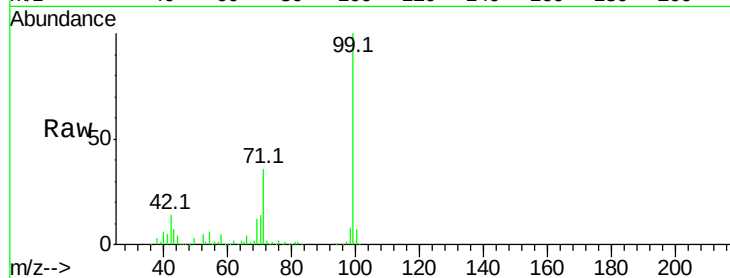
Tot Ion: 99 Resp: 414429

Ion Ratio Lower Upper

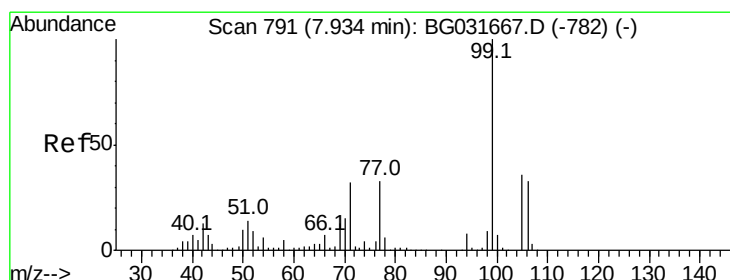
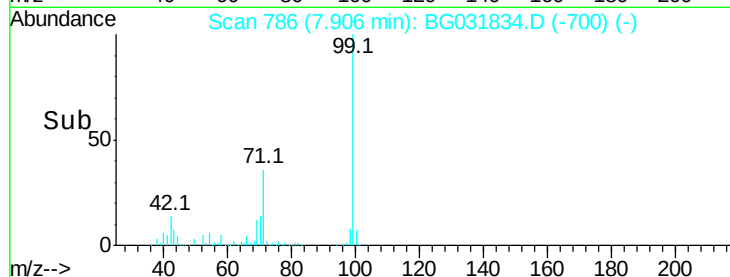
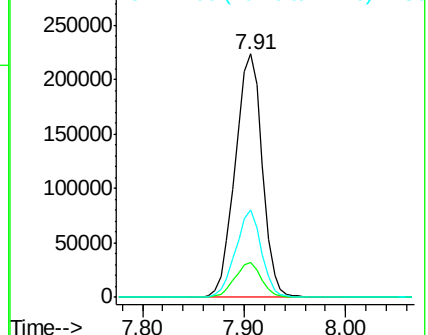
99 100

42 14.3 14.1 21.1

71 36.1 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: 3.827 ng

RT: 8.31 min Scan# 855

Delta R.T. 0.38 min

Lab File: BG031834.D

Acq: 28 Dec 2017 20:42

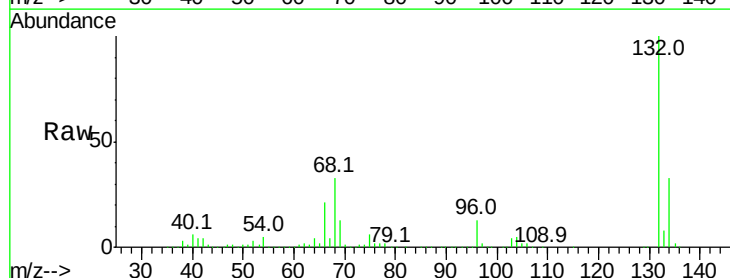
Tgt Ion: 77 Resp: 8596

Ion Ratio Lower Upper

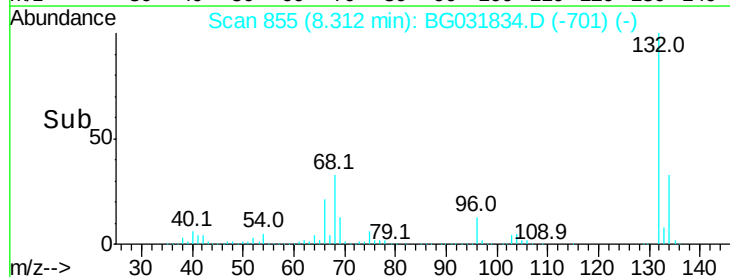
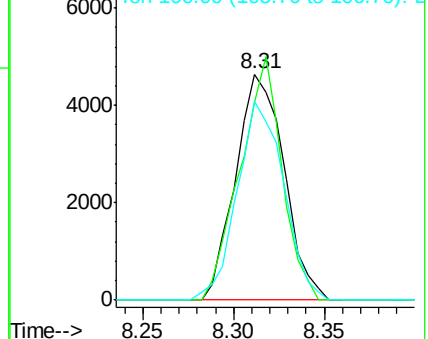
77 100

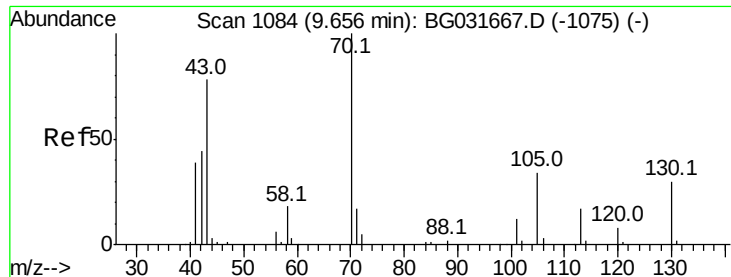
105 87.5 71.3 111.3

106 87.9 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

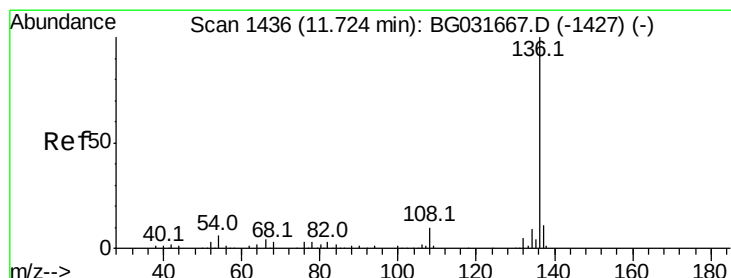
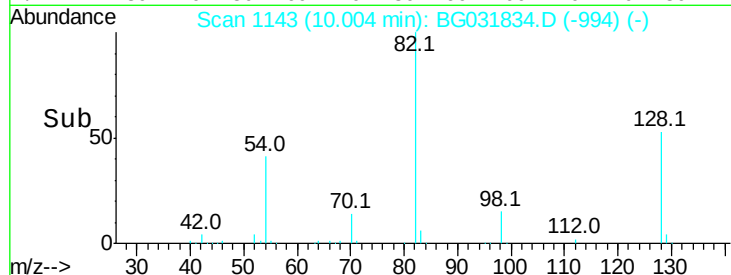
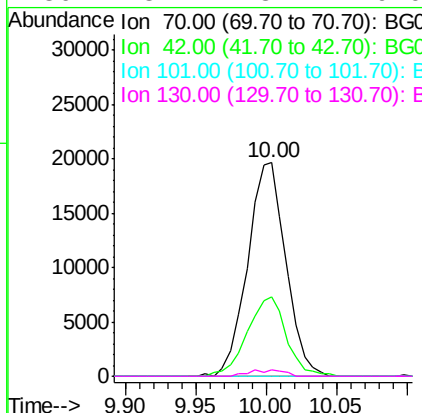
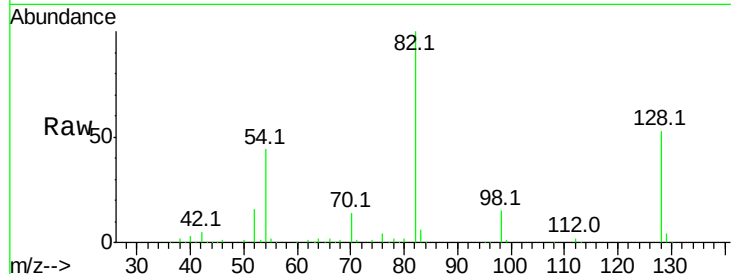




#19
n-Nitroso-di-n-propylamine
Concen: 14.584 ng
RT: 10.00 min Scan# 1143
Delta R.T. 0.35 min
Lab File: BG031834.D
Acq: 28 Dec 2017 20:42

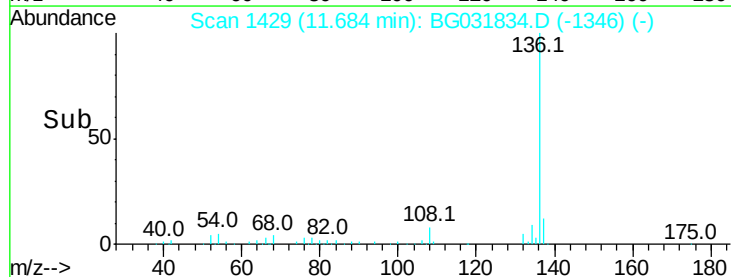
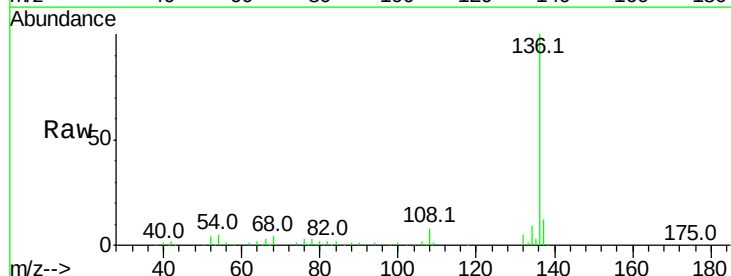
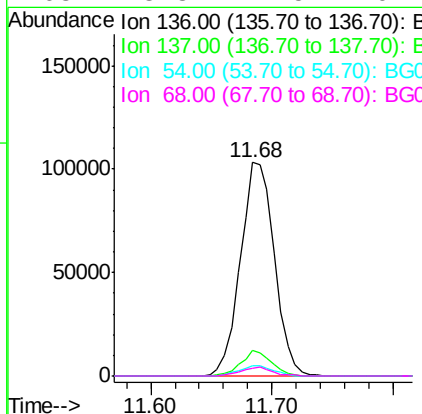
Instrument :
BNA_G
ClientSampleId :

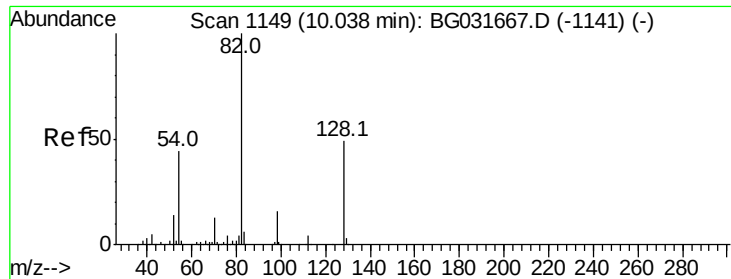
Tot Ion: 70 Resp: 37151
Ion Ratio Lower Upper
70 100
42 36.9 49.1 73.7#
101 0.0 8.5 12.7#
130 3.2 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.68 min Scan# 1429
Delta R.T. -0.04 min
Lab File: BG031834.D
Acq: 28 Dec 2017 20:42

Tgt Ion: 136 Resp: 202612
Ion Ratio Lower Upper
136 100
137 12.0 9.2 13.8
54 5.1 10.3 15.5#
68 3.8 4.5 6.7#

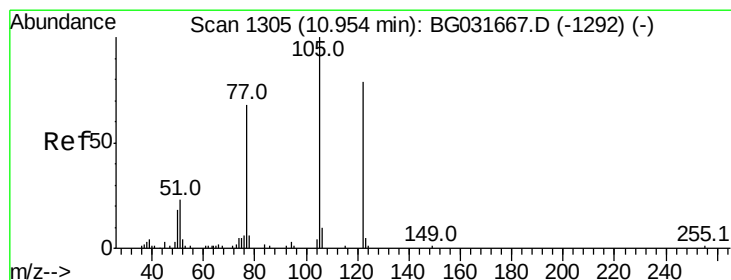
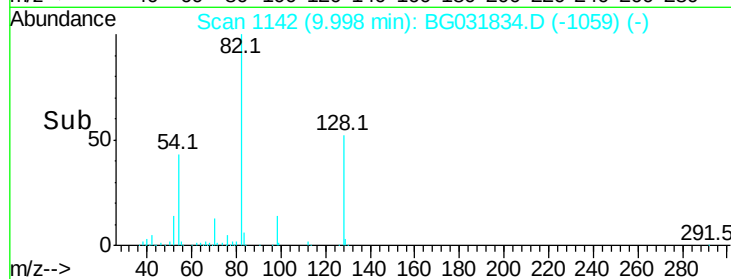
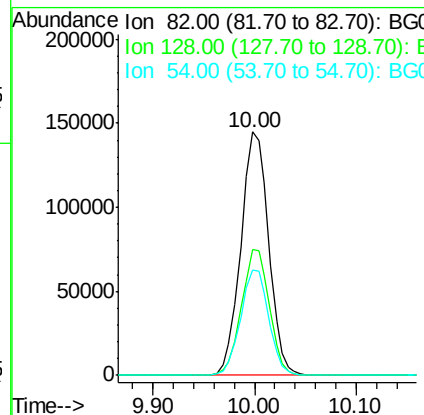
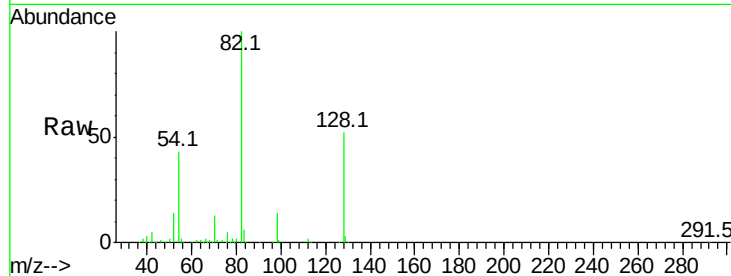




#23
Nitrobenzene-d5
Concen: 102.575 ng
RT: 10.00 min Scan# 1142
Delta R.T. -0.04 min
Lab File: BG031834.D
Acq: 28 Dec 2017 20:42

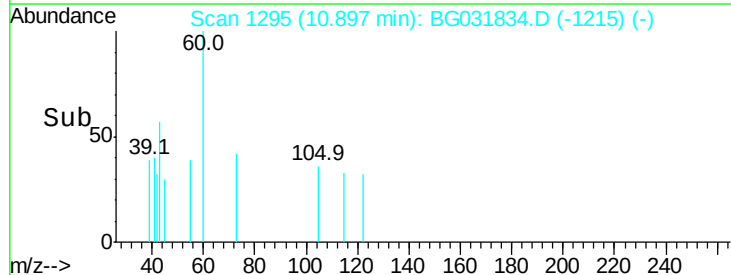
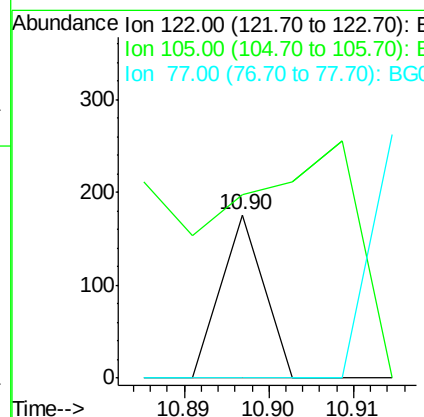
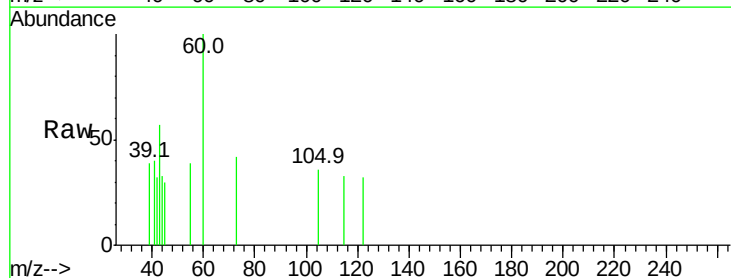
Instrument :
BNA_G
ClientSampled :

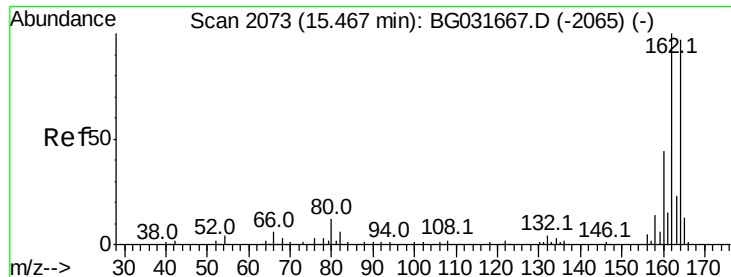
Tot Ion	82	Resp	275227
Ion Ratio	Lower	Upper	
82	100		
128	51.7	29.7	44.5#
54	43.2	43.1	64.7



#32
Benzoic acid
Concen: 6.720 ng
RT: 10.90 min Scan# 1295
Delta R.T. -0.06 min
Lab File: BG031834.D
Acq: 28 Dec 2017 20:42

Tgt Ion	122	Resp	62
Ion Ratio	Lower	Upper	
122	100		
105	111.9	123.5	163.5#
77	0.0	85.7	125.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.43 min Scan# 2067

Delta R.T. -0.03 min

Lab File: BG031834.D

Acq: 28 Dec 2017 20:42

Instrument :

BNA_G

ClientSampleId :

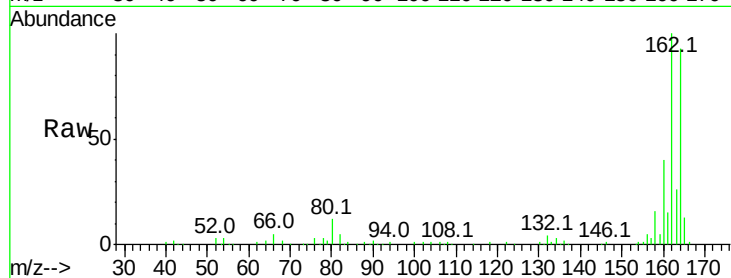
Tot Ion:164 Resp: 135634

Ion Ratio Lower Upper

164 100

162 107.1 78.8 118.2

160 42.9 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

120000

100000

80000

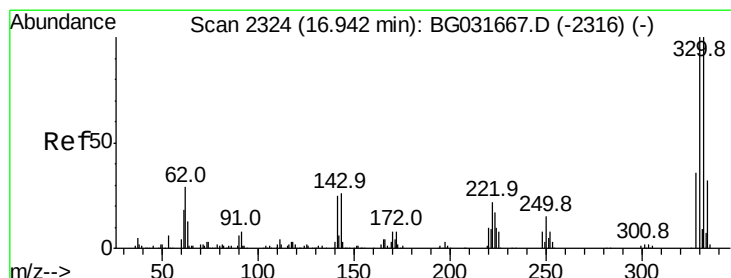
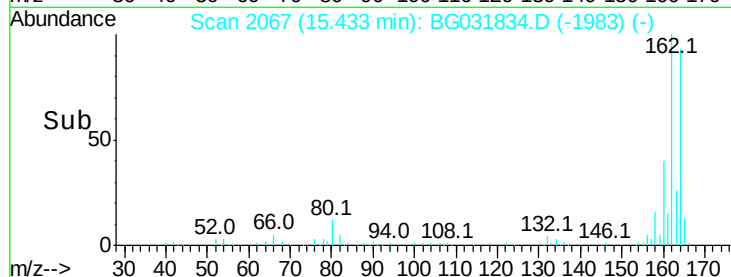
60000

40000

20000

0

Time--> 15.35 15.40 15.45 15.50



#41

2,4,6-Tribromophenol

Concen: 169.543 ng

RT: 16.91 min Scan# 2318

Delta R.T. -0.03 min

Lab File: BG031834.D

Acq: 28 Dec 2017 20:42

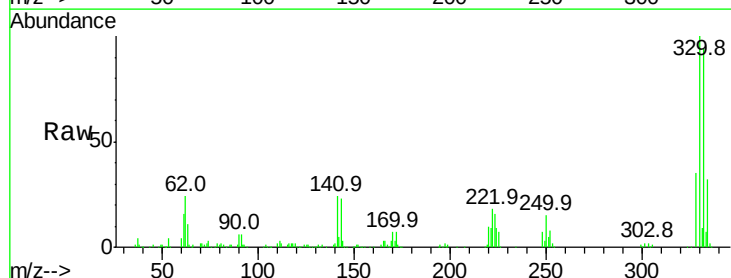
Tgt Ion:330 Resp: 350883

Ion Ratio Lower Upper

330 100

332 95.5 77.0 115.6

141 25.3 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

300000

250000

200000

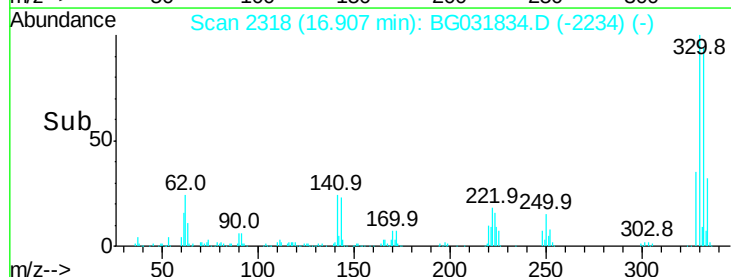
150000

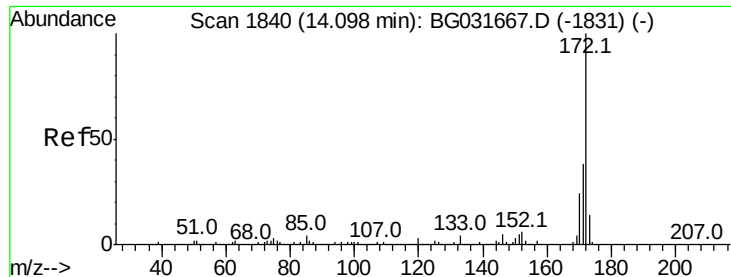
100000

50000

0

Time--> 16.80 16.90 17.00

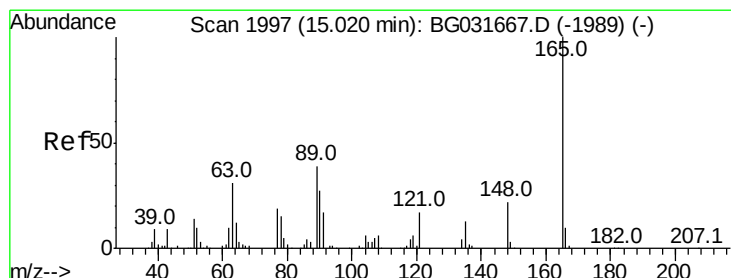
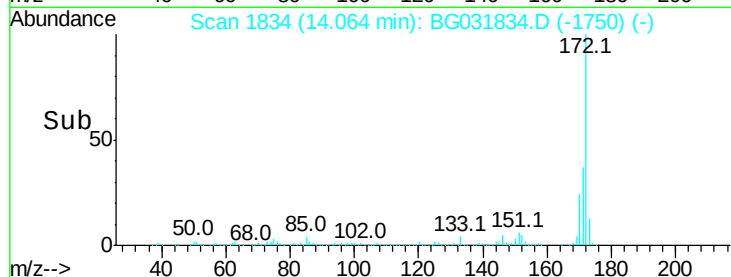
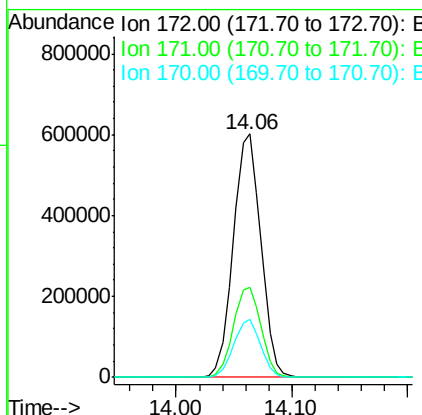
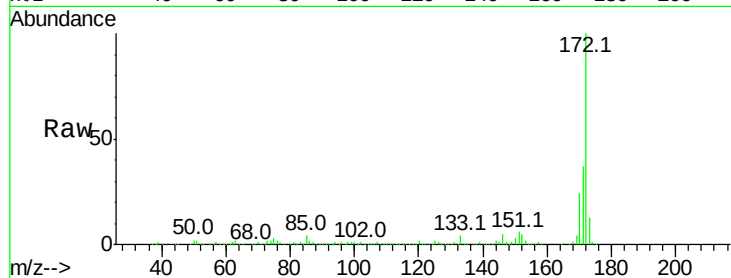




#44
2-Fluorobiphenyl
Concen: 91.752 ng
RT: 14.06 min Scan# 1834
Delta R.T. -0.03 min
Lab File: BG031834.D
Acq: 28 Dec 2017 20:42

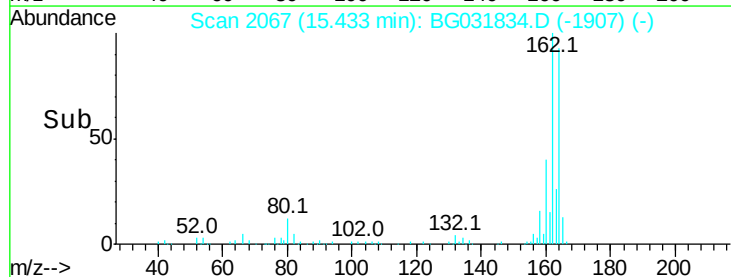
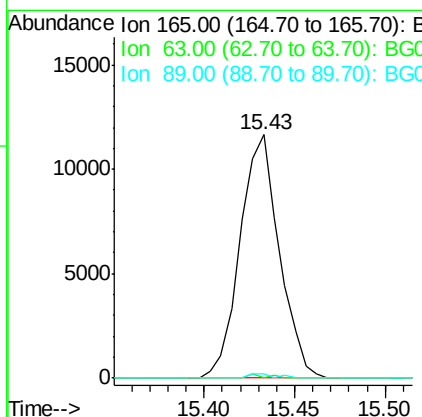
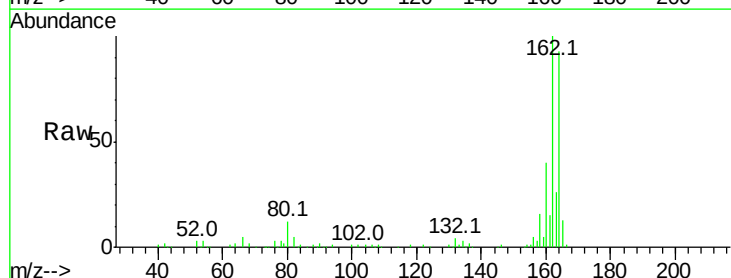
Instrument :
BNA_G
ClientSampleId :

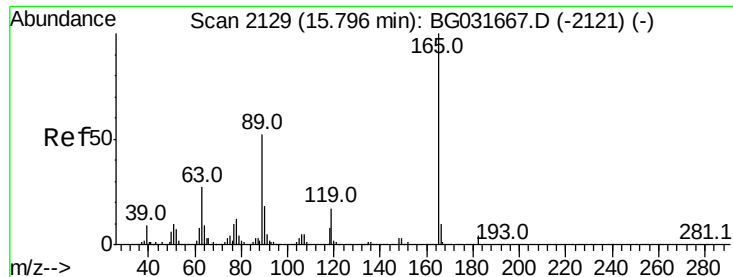
Tot Ion:172 Resp: 991502
Ion Ratio Lower Upper
172 100
171 36.7 30.0 45.0
170 23.8 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.963 ng
RT: 15.43 min Scan# 2067
Delta R.T. 0.41 min
Lab File: BG031834.D
Acq: 28 Dec 2017 20:42

Tgt Ion:165 Resp: 17504
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 1.8 49.2 73.8#





#56

2,4-Dinitrotoluene

Concen: 6.193 ng

RT: 15.43 min Scan# 2067

Delta R.T. -0.36 min

Lab File: BG031834.D

Acq: 28 Dec 2017 20:42

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 17504

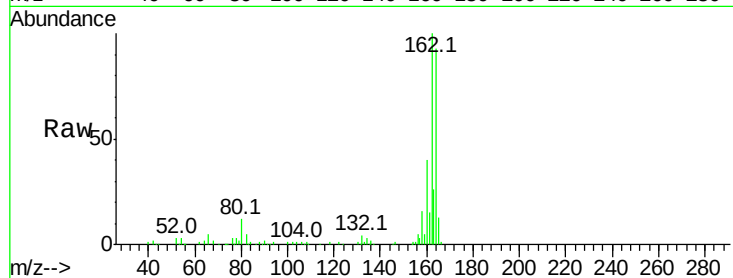
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 1.8 66.9 100.3#

182 0.0 2.6 3.8#

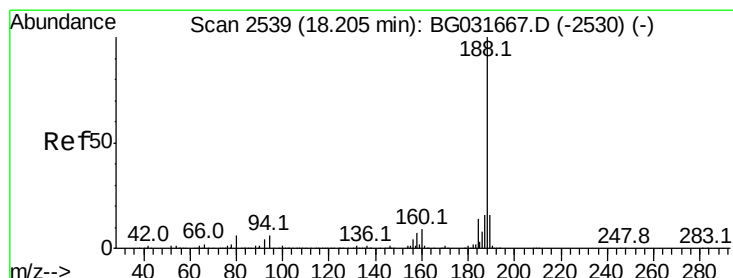
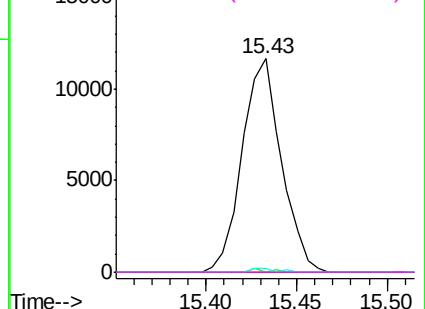
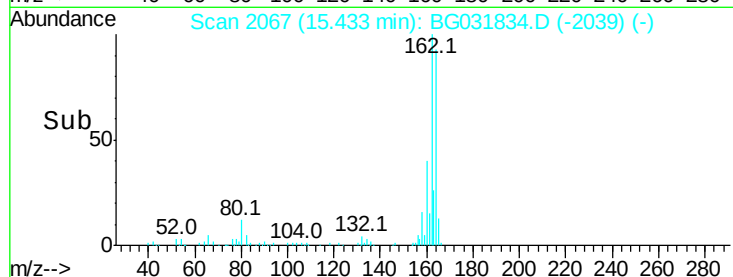


Abundance Ion 165.00 (164.70 to 165.70): E

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: 18.16 min Scan# 2532

Delta R.T. -0.04 min

Lab File: BG031834.D

Acq: 28 Dec 2017 20:42

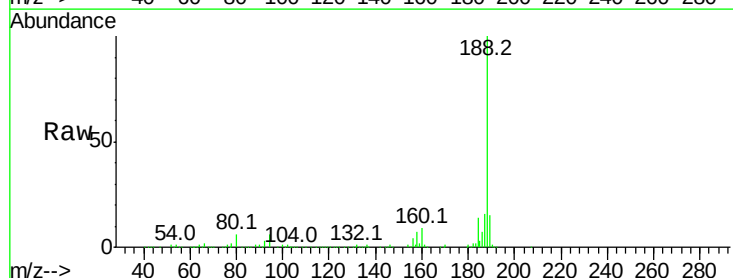
Tgt Ion:188 Resp: 371143

Ion Ratio Lower Upper

188 100

94 5.5 6.9 10.3#

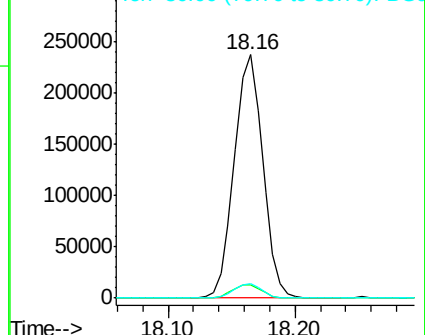
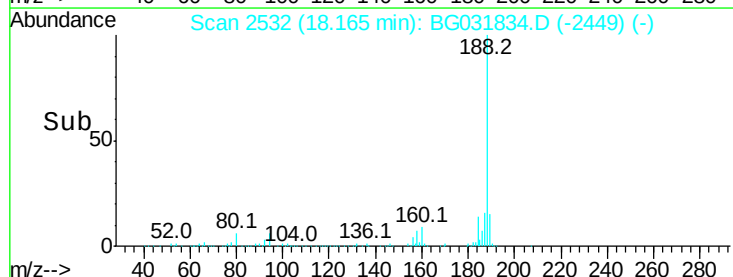
80 5.8 7.7 11.5#

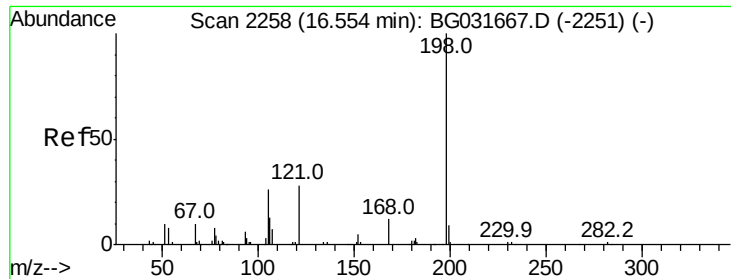


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

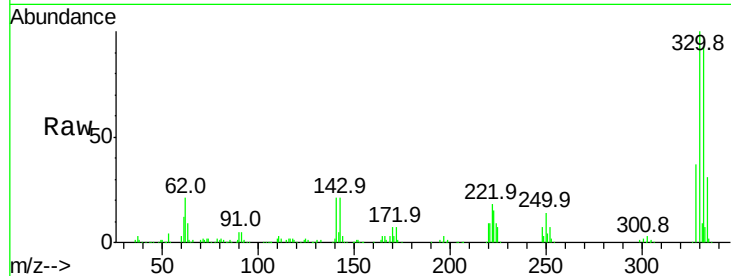




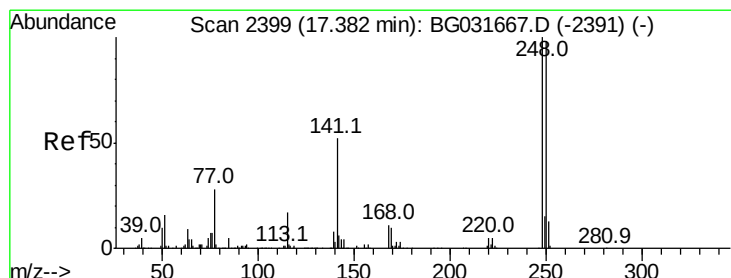
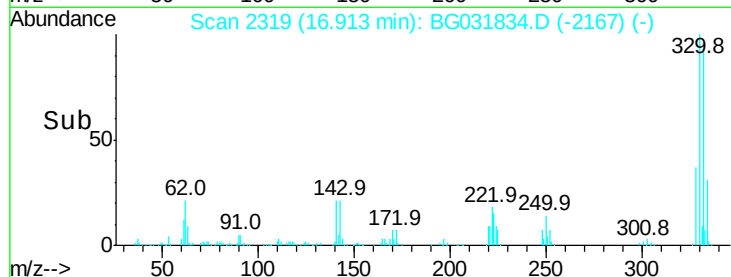
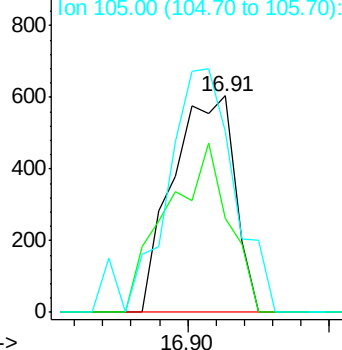
#64
4,6-Dinitro-2-methylphenol
Concen: 8.725 ng
RT: 16.91 min Scan# 2319
Delta R.T. 0.36 min
Lab File: BG031834.D
Acq: 28 Dec 2017 20:42

Instrument :
BNA_G
ClientSampled :

Tot Ion:198 Resp: 915
Ion Ratio Lower Upper
198 100
51 43.2 30.6 70.6
105 83.8 23.8 63.8#

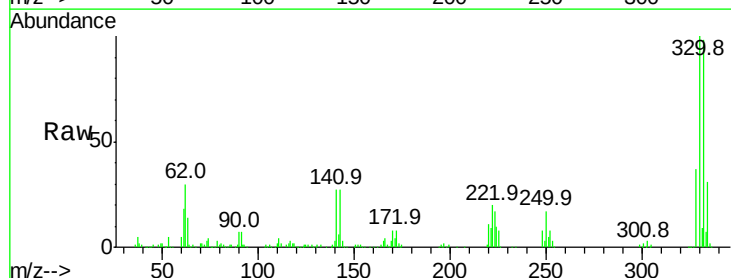


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BGC
Ion 105.00 (104.70 to 105.70): E

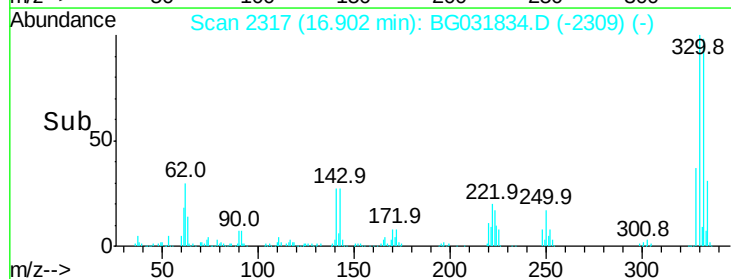
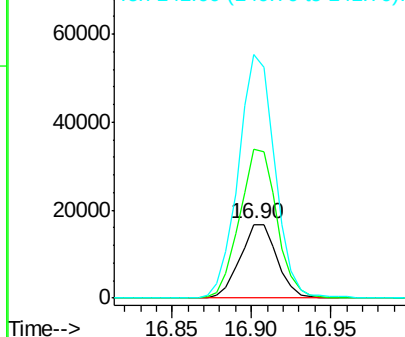


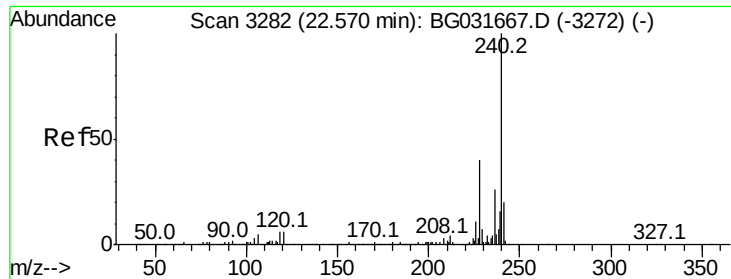
#66
4-Bromophenyl-phenylether
Concen: 5.030 ng
RT: 16.90 min Scan# 2317
Delta R.T. -0.48 min
Lab File: BG031834.D
Acq: 28 Dec 2017 20:42

Tgt Ion:248 Resp: 26997
Ion Ratio Lower Upper
248 100
250 201.9 77.1 115.7#
141 331.1 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: BG031834.D

Acq: 28 Dec 2017 20:42

Instrument :

BNA_G

ClientSampleId :

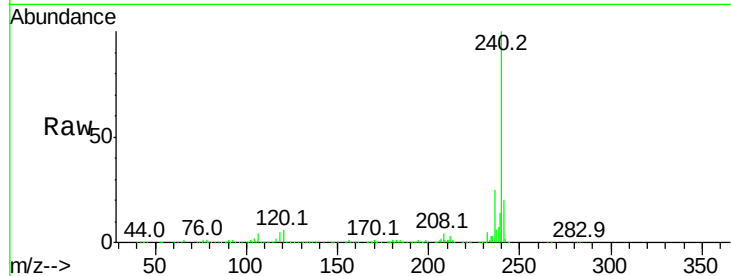
Tot Ion:240 Resp: 445787

Ion Ratio Lower Upper

240 100

120 5.9 6.8 10.2#

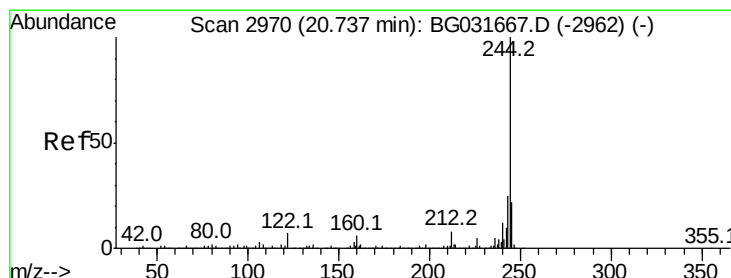
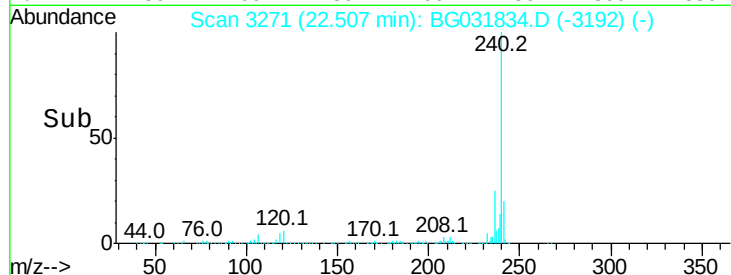
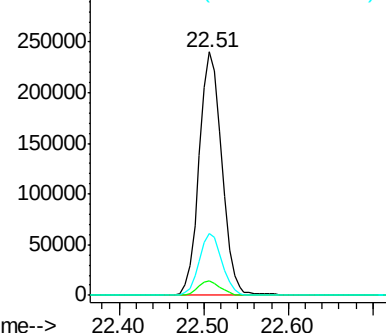
236 25.4 20.9 31.3



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: 95.747 ng

RT: 20.70 min Scan# 2963

Delta R.T. -0.04 min

Lab File: BG031834.D

Acq: 28 Dec 2017 20:42

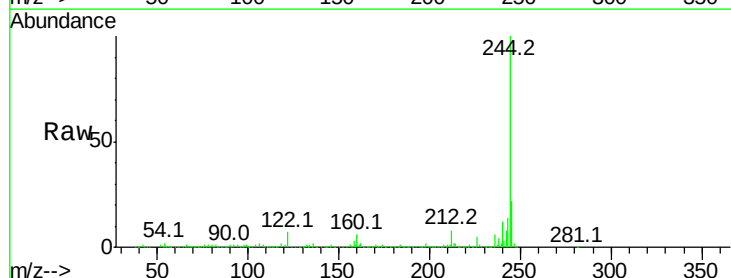
Tgt Ion:244 Resp: 1868246

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

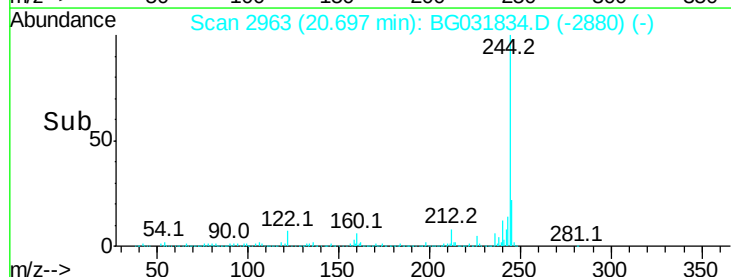
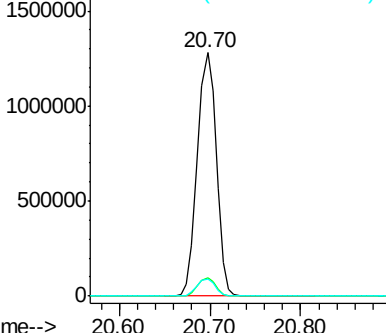
122 7.3 7.0 10.4

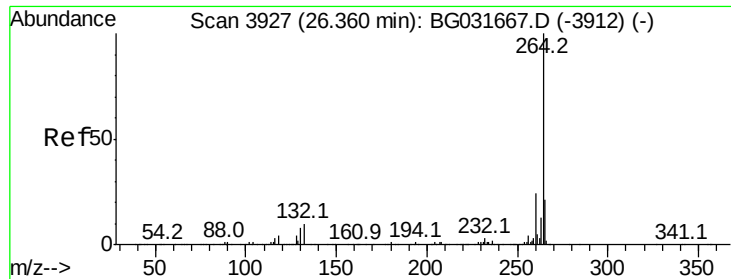


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.26 min Scan# 3910
Delta R.T. -0.10 min
Lab File: BG031834.D
Acq: 28 Dec 2017 20:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.4	26.0
265	20.6	17.7	26.5

