

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122617\
 Data File : BG031787.D
 Acq On : 27 Dec 2017 7:46
 Operator : SJ/JU
 Sample : I7009-05
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 27 10:01:45 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	43961	20.00	ng	-0.03
21) Naphthalene-d8	11.69	136	180521	20.00	ng	-0.03
38) Acenaphthene-d10	15.43	164	131847	20.00	ng	-0.03
63) Phenanthrene-d10	18.17	188	364608	20.00	ng	-0.04
75) Chrysene-d12	22.51	240	451128	20.00	ng	-0.06
86) Perylene-d12	26.27	264	483300	20.00	ng	-0.09

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.22	112	122955	50.94	ng	-0.03
7) Phenol-d6	7.90	99	110595	35.29	ng	-0.03
23) Nitrobenzene-d5	10.01	82	245951	102.88	ng	-0.03
41) 2,4,6-Tribromophenol	16.91	330	227284	112.98	ng	-0.03
44) 2-Fluorobiphenyl	14.07	172	958624	91.26	ng	-0.03
78) Terphenyl-d14	20.70	244	1810410	91.68	ng	-0.04

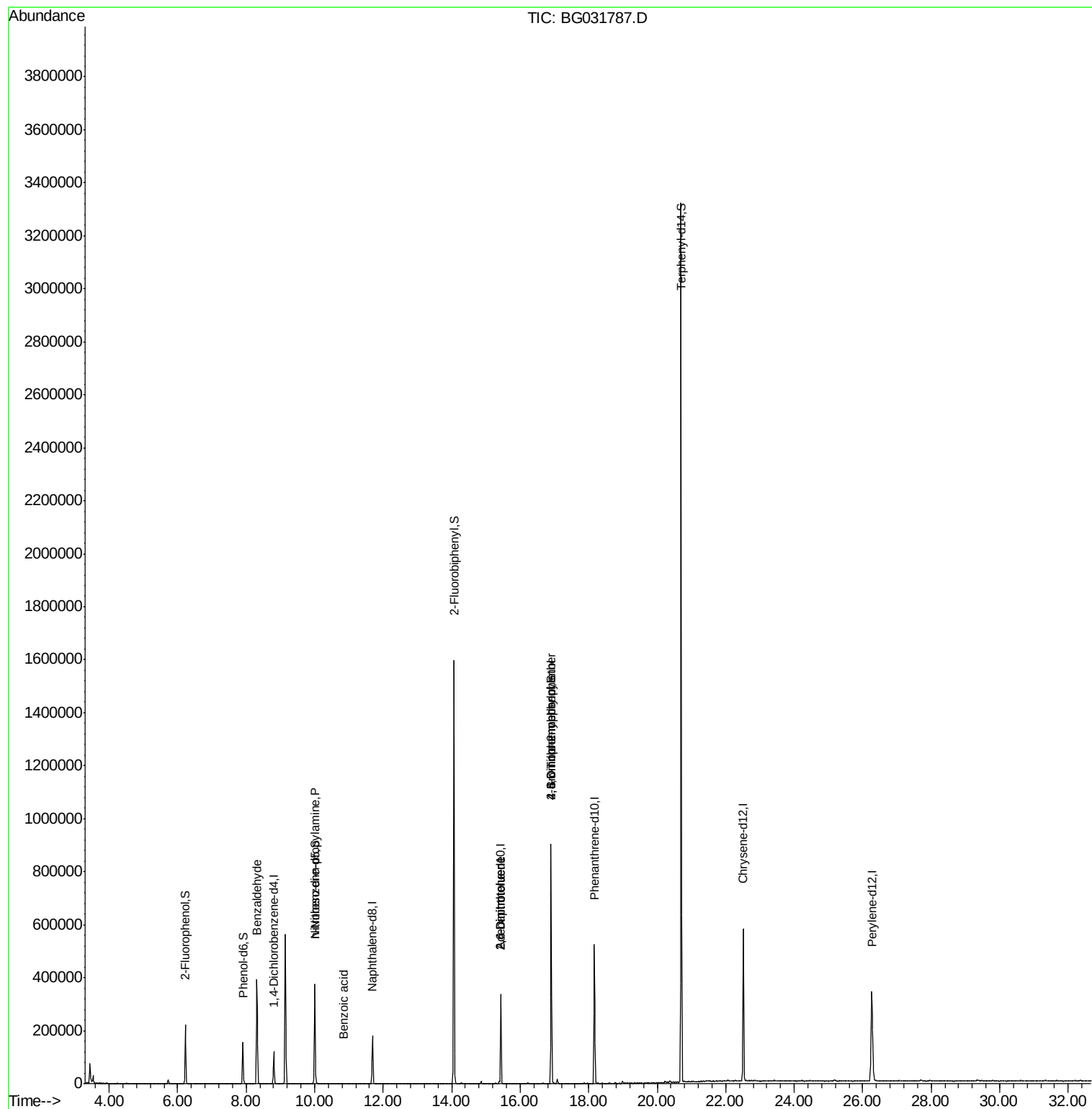
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	8.31	77	5140	2.724	ng	94
19) n-Nitroso-di-n-propylamine	10.01	70	32945	15.394	ng	# 70
32) Benzoic acid	10.86	122	55	6.720	ng	# 1
50) 2,6-Dinitrotoluene	15.43	165	17476	8.179	ng	# 19
56) 2,4-Dinitrotoluene	15.43	165	17476	6.361	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.90	198	622	8.596	ng	# 75
66) 4-Bromophenyl-phenylether	16.91	248	17995	3.413	ng	# 1

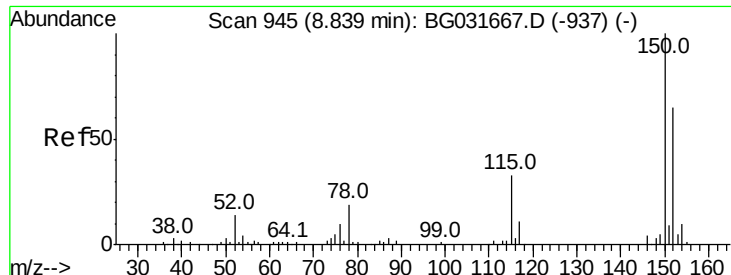
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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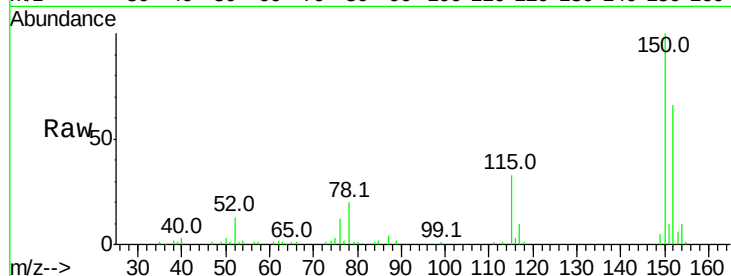


#1

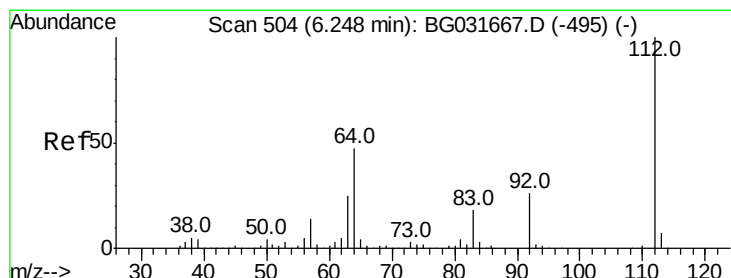
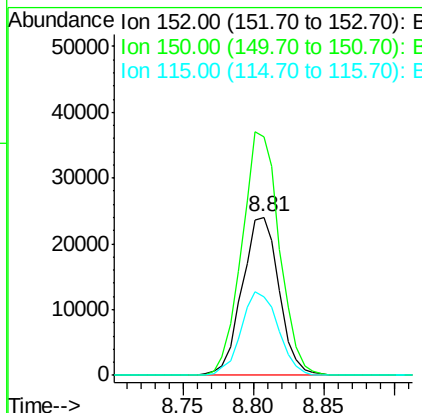
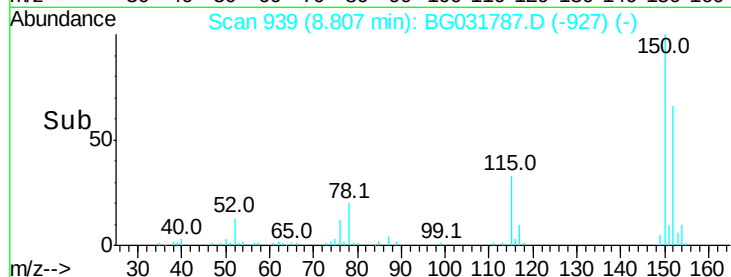
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.81 min Scan# 939
 Delta R.T. -0.03 min
 Lab File: BG031787.D
 Acq: 27 Dec 2017 7:46

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.3	126.6	189.8
115	49.7	53.0	79.4#



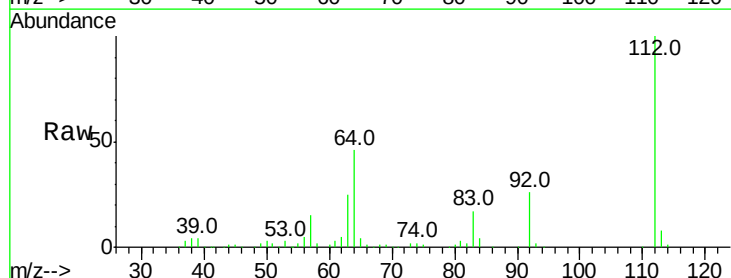
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



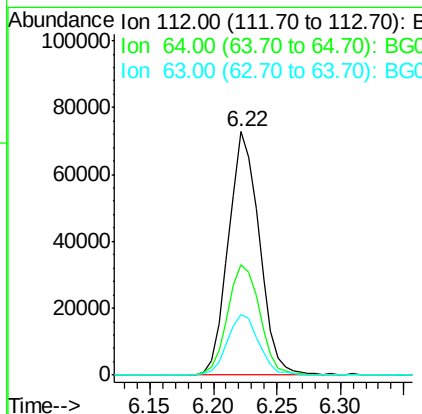
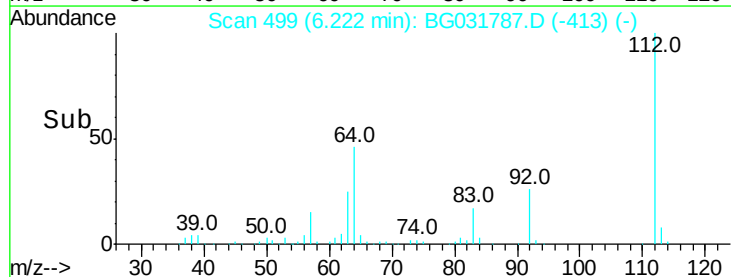
#5

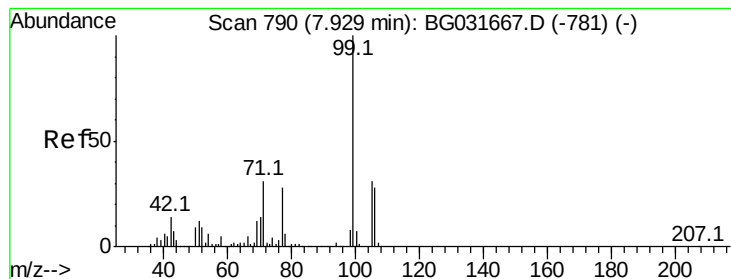
2-Fluorophenol
 Concen: 50.942 ng
 RT: 6.22 min Scan# 499
 Delta R.T. -0.03 min
 Lab File: BG031787.D
 Acq: 27 Dec 2017 7:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	45.6	56.3	84.5#
63	24.9	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: 35.293 ng

RT: 7.90 min Scan# 785

Delta R.T. -0.03 min

Lab File: BG031787.D

Acq: 27 Dec 2017 7:46

Instrument :

BNA_G

ClientSampled :

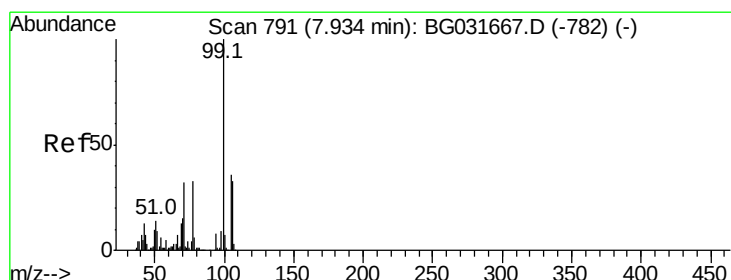
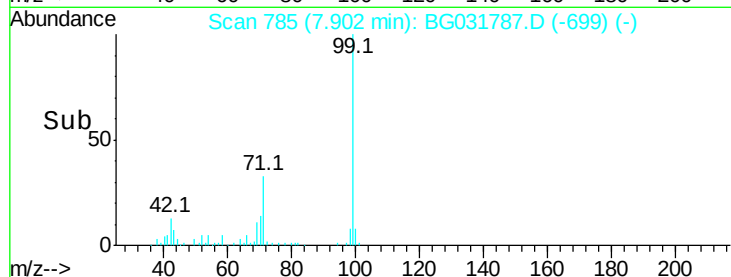
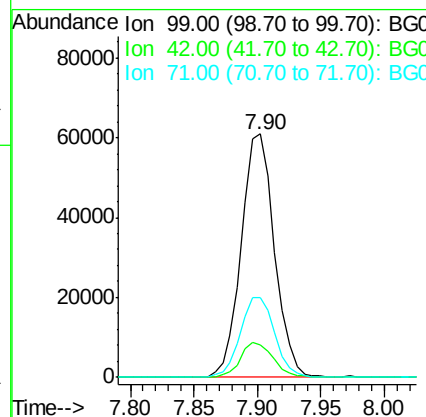
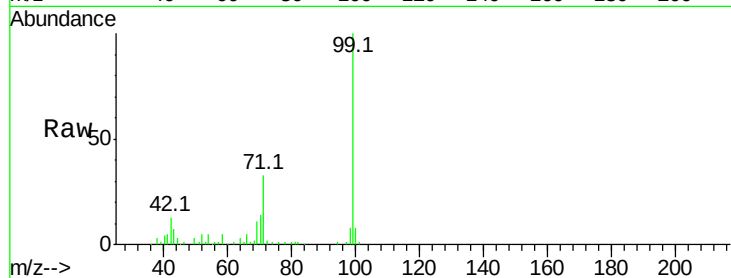
Tot Ion: 99 Resp: 110595

Ion Ratio Lower Upper

99 100

42 13.2 14.1 21.1#

71 32.7 26.1 39.1



#9

Benzaldehyde

Concen: 2.724 ng

RT: 8.31 min Scan# 855

Delta R.T. 0.38 min

Lab File: BG031787.D

Acq: 27 Dec 2017 7:46

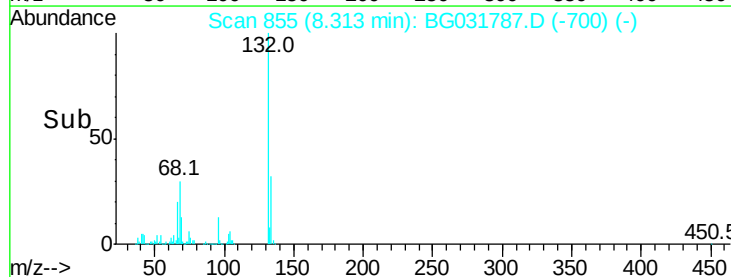
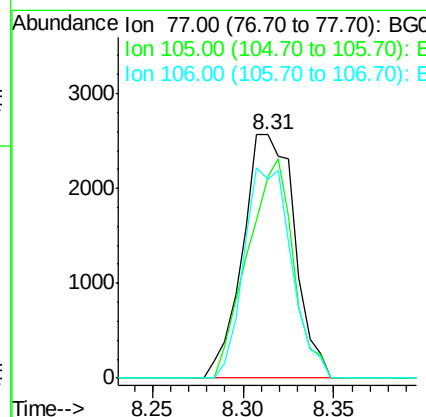
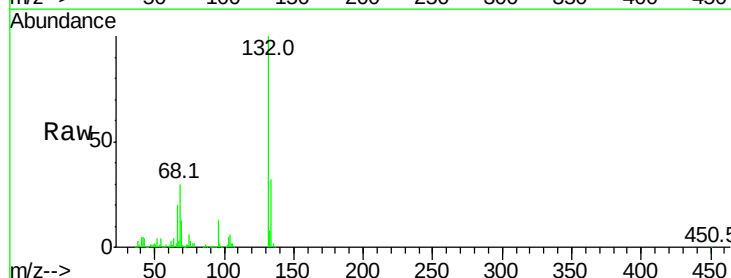
Tgt Ion: 77 Resp: 5140

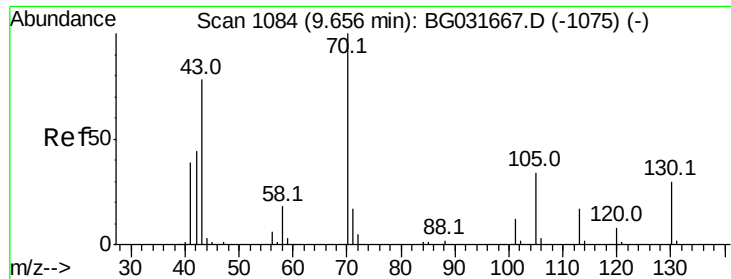
Ion Ratio Lower Upper

77 100

105 82.8 71.3 111.3

106 81.7 64.2 104.2

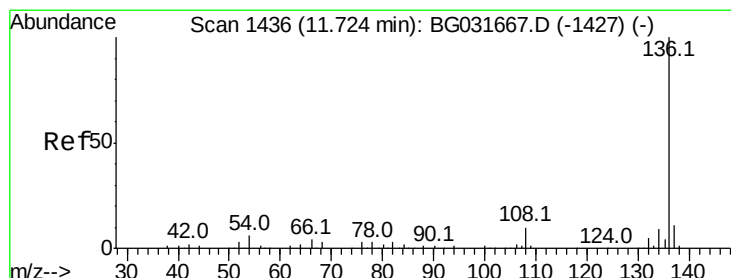
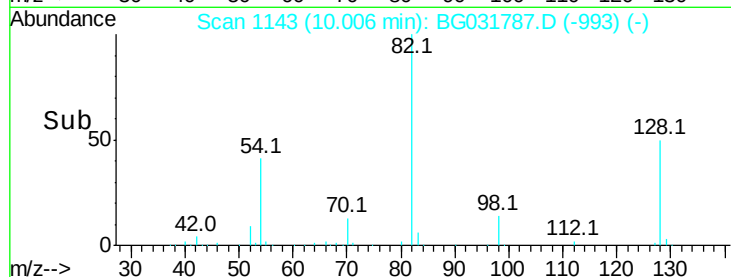
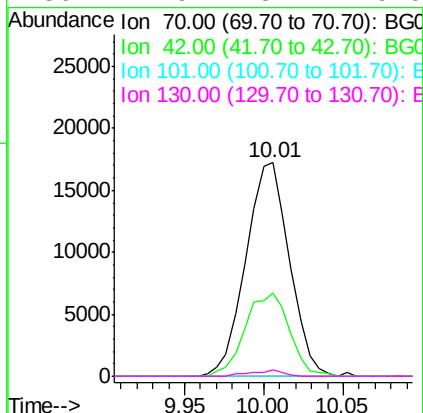
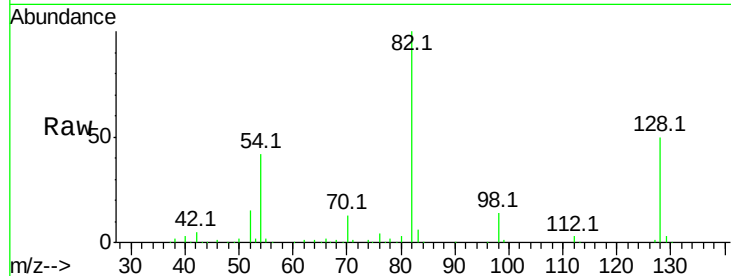




#19
n-Nitroso-di-n-propylamine
Concen: 15.394 ng
RT: 10.01 min Scan# 1143
Delta R.T. 0.35 min
Lab File: BG031787.D
Acq: 27 Dec 2017 7:46

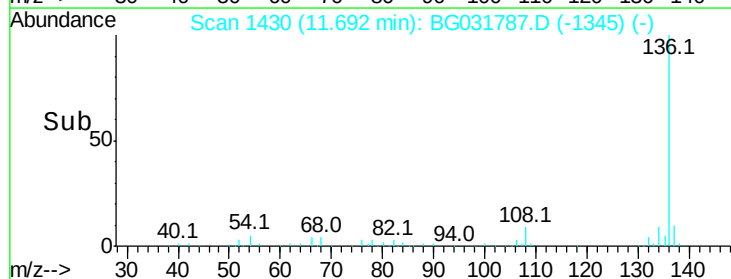
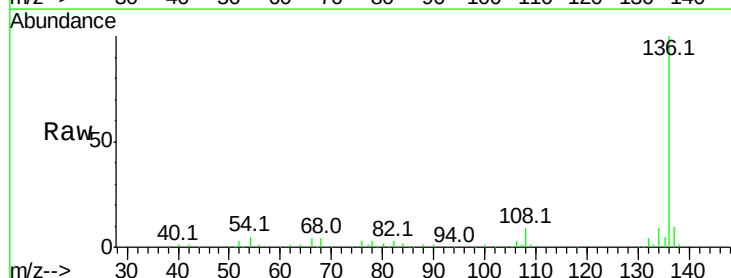
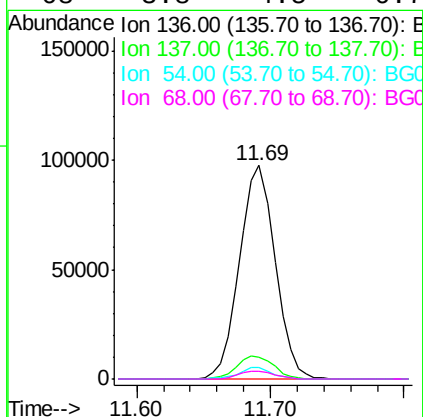
Instrument :
BNA_G
ClientSampleId :

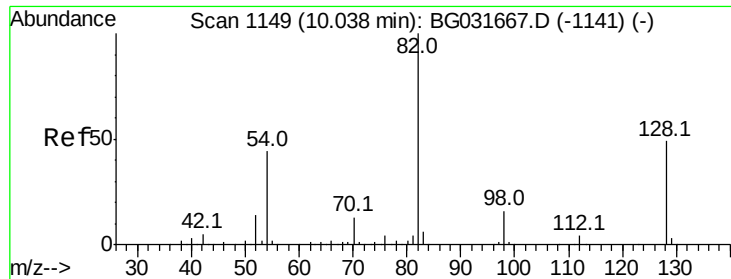
Tot Ion: 70 Resp: 32945
Ion Ratio Lower Upper
70 100
42 39.0 49.1 73.7#
101 0.0 8.5 12.7#
130 2.9 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.69 min Scan# 1430
Delta R.T. -0.03 min
Lab File: BG031787.D
Acq: 27 Dec 2017 7:46

Tgt Ion:136 Resp: 180521
Ion Ratio Lower Upper
136 100
137 10.5 9.2 13.8
54 5.3 10.3 15.5#
68 3.8 4.5 6.7#

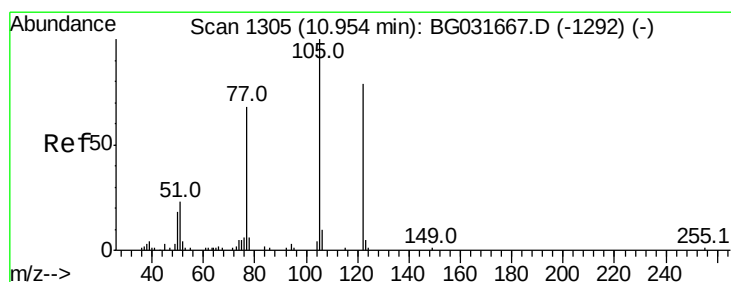
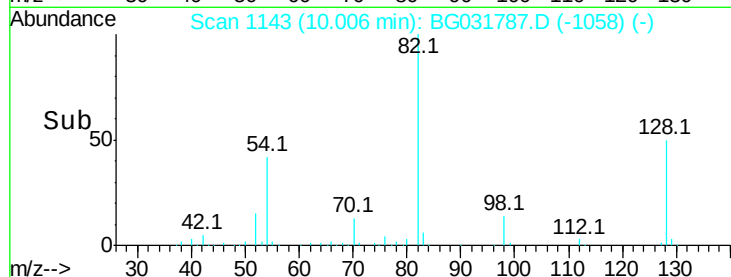
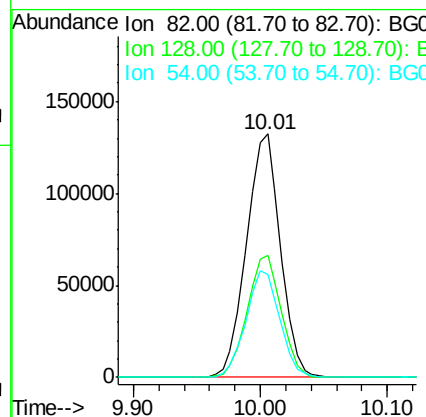
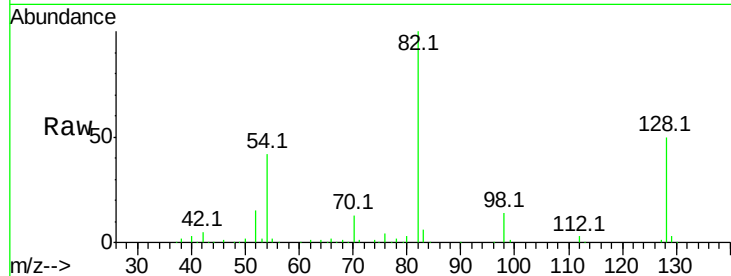




#23
 Nitrobenzene-d5
 Concen: 102.882 ng
 RT: 10.01 min Scan# 1143
 Delta R.T. -0.03 min
 Lab File: BG031787.D
 Acq: 27 Dec 2017 7:46

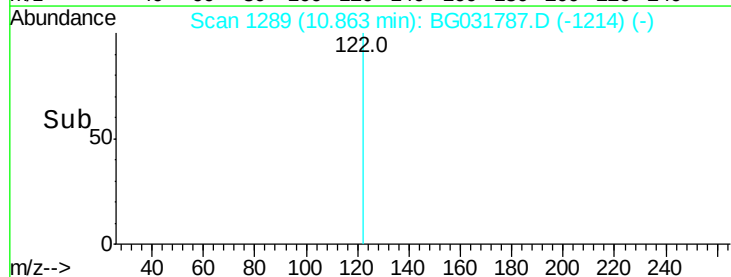
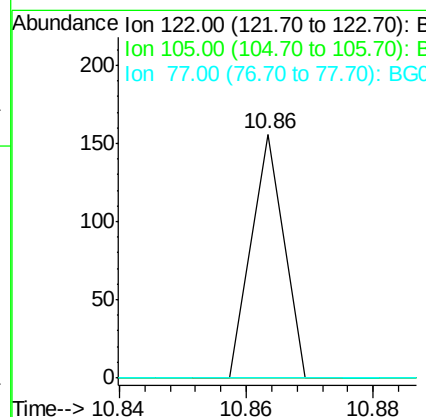
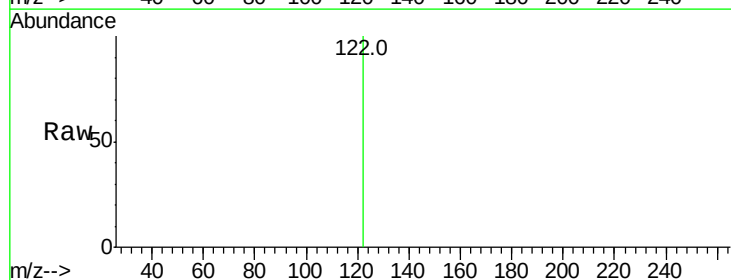
Instrument :
 BNA_G
 ClientSampleId :

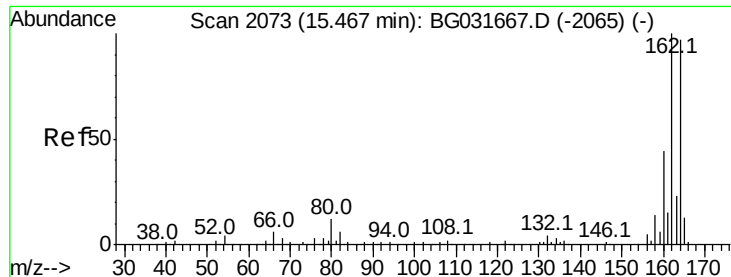
Tot Ion	82	Resp	245951
Ion Ratio	100	Lower	Upper
128	50.0	29.7	44.5#
54	42.2	43.1	64.7#



#32
 Benzoic acid
 Concen: 6.720 ng
 RT: 10.86 min Scan# 1289
 Delta R.T. -0.09 min
 Lab File: BG031787.D
 Acq: 27 Dec 2017 7:46

Tgt Ion	122	Resp	55
Ion Ratio	100	Lower	Upper
105	0.0	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: BG031787.D

Acq: 27 Dec 2017 7:46

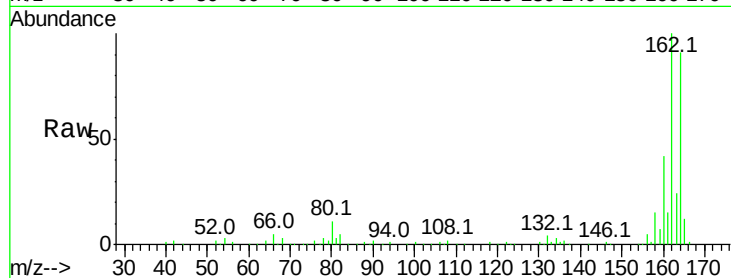
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 131847

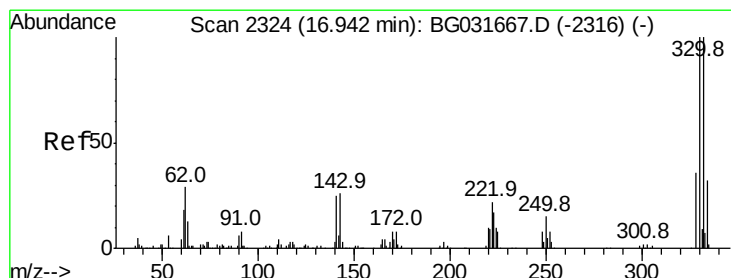
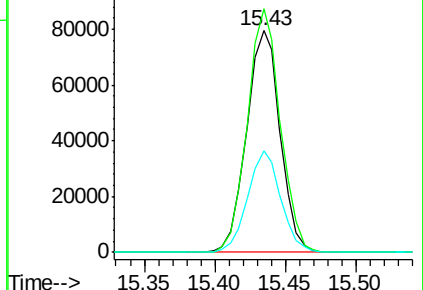
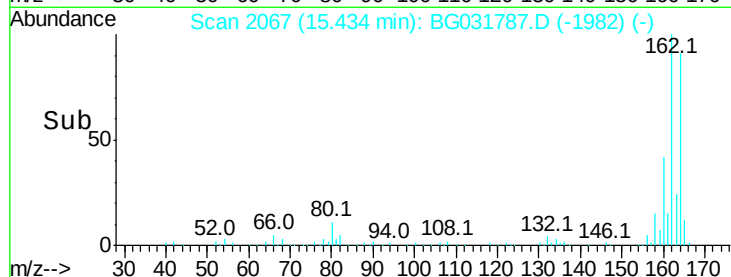
Ion	Ratio	Lower	Upper
164	100		
162	109.9	78.8	118.2
160	45.7	35.4	53.0



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: 112.975 ng

RT: 16.91 min Scan# 2318

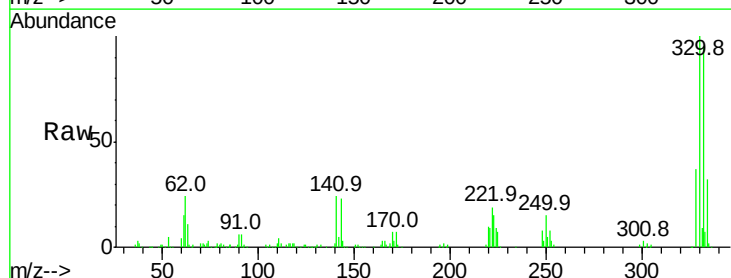
Delta R.T. -0.03 min

Lab File: BG031787.D

Acq: 27 Dec 2017 7:46

Tgt Ion:330 Resp: 227284

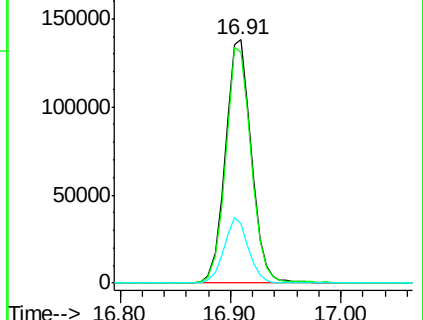
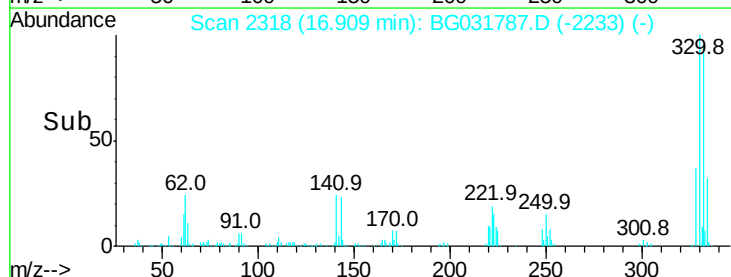
Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.0	115.6
141	25.2	25.2	37.8#

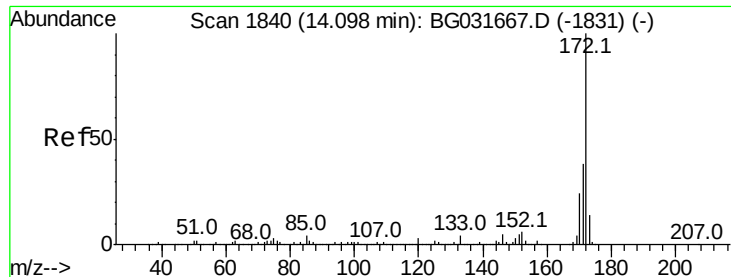


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

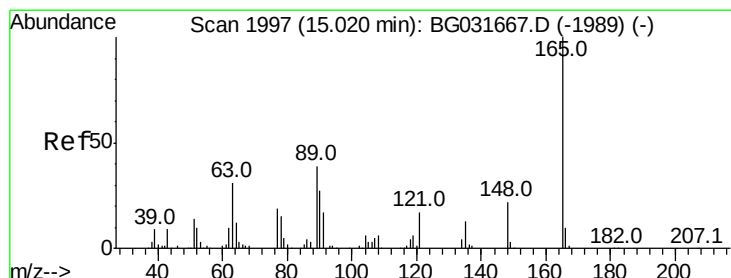
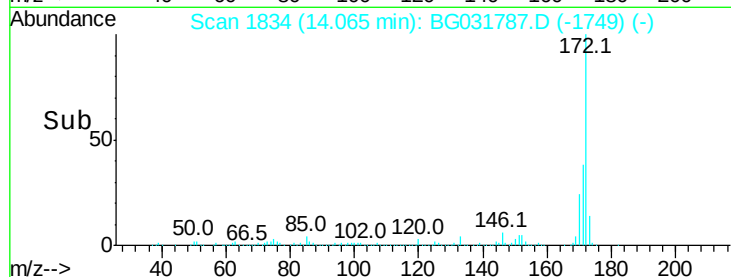
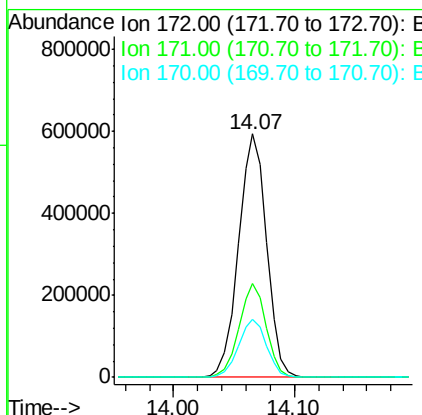
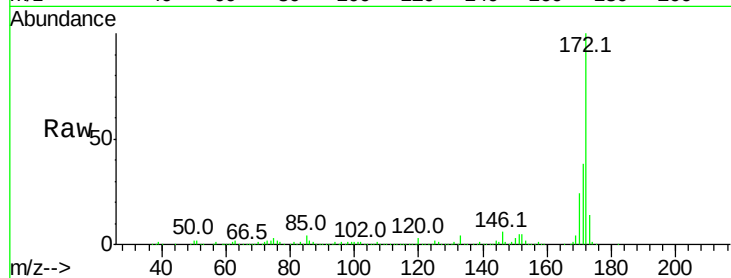




#44
2-Fluorobiphenyl
Concen: 91.257 ng
RT: 14.07 min Scan# 1834
Delta R.T. -0.03 min
Lab File: BG031787.D
Acq: 27 Dec 2017 7:46

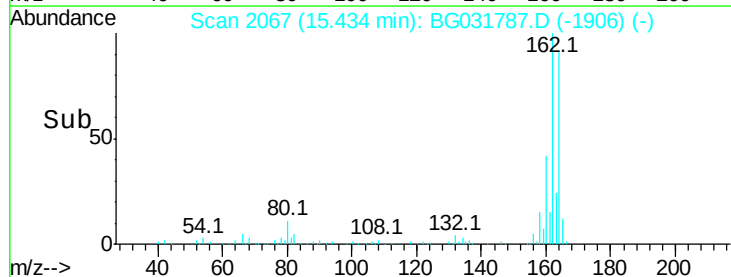
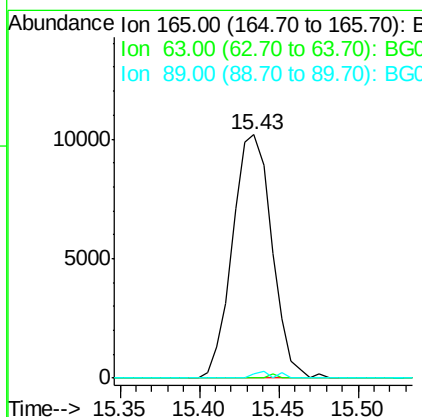
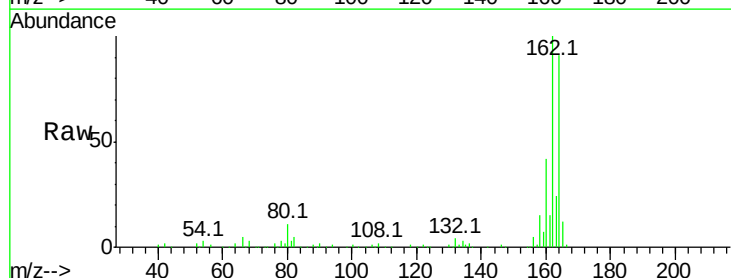
Instrument :
BNA_G
ClientSampleId :

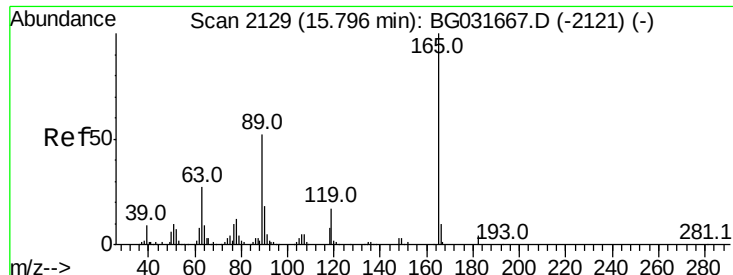
Tot Ion:172 Resp: 958624
Ion Ratio Lower Upper
172 100
171 38.4 30.0 45.0
170 23.8 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 8.179 ng
RT: 15.43 min Scan# 2067
Delta R.T. 0.41 min
Lab File: BG031787.D
Acq: 27 Dec 2017 7:46

Tgt Ion:165 Resp: 17476
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 1.8 49.2 73.8#

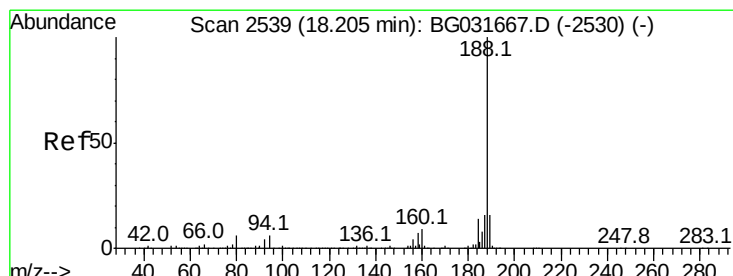
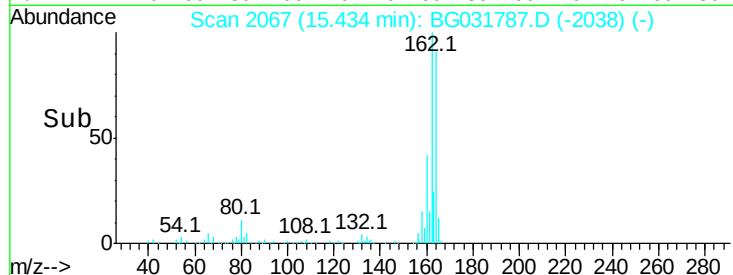
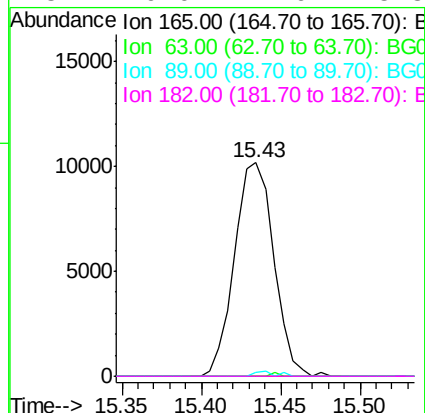
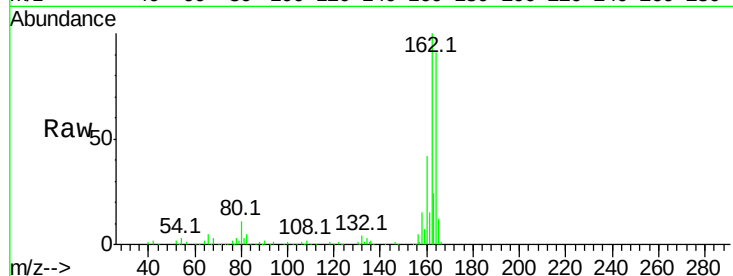




#56
2,4-Dinitrotoluene
Concen: 6.361 ng
RT: 15.43 min Scan# 2067
Delta R.T. -0.36 min
Lab File: BG031787.D
Acq: 27 Dec 2017 7:46

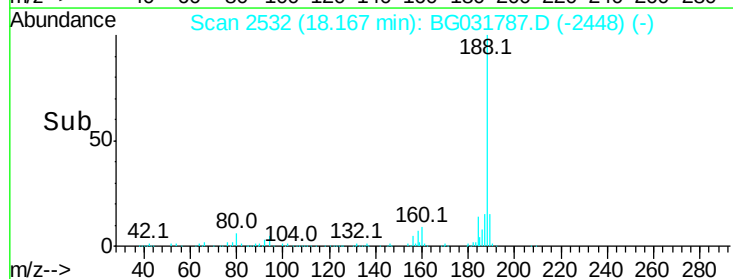
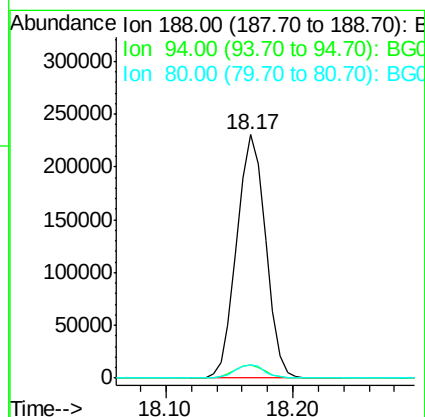
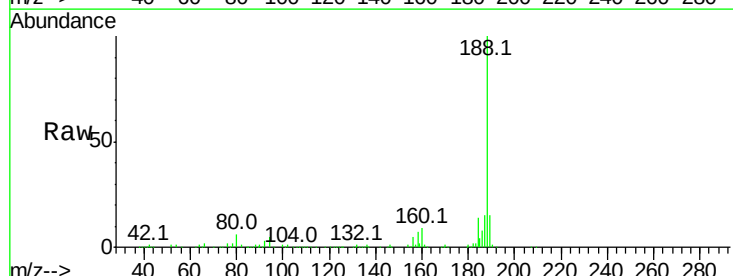
Instrument :
BNA_G
ClientSampleId :

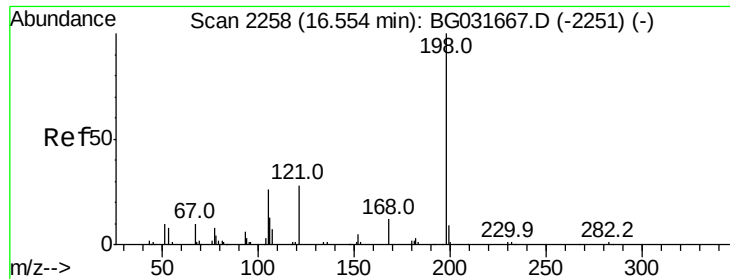
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	1.8	66.9	100.3#
182	0.0	2.6	3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.17 min Scan# 2532
Delta R.T. -0.04 min
Lab File: BG031787.D
Acq: 27 Dec 2017 7:46

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.4	6.9	10.3#
80	5.6	7.7	11.5#

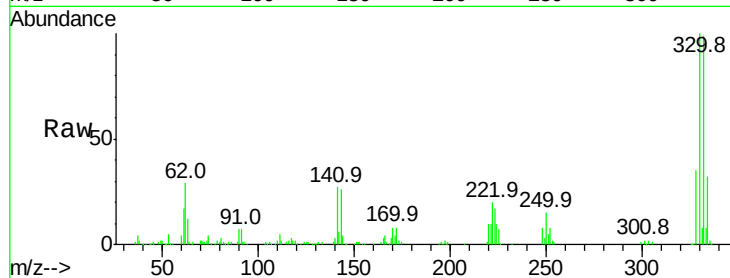




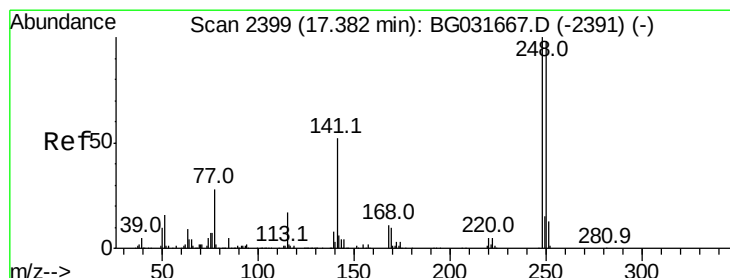
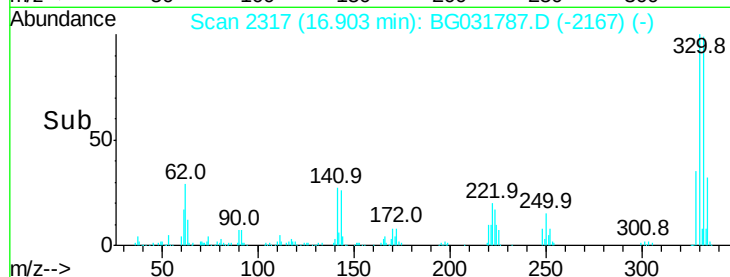
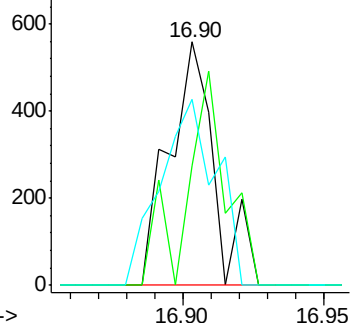
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.596 ng
 RT: 16.90 min Scan# 2317
 Delta R.T. 0.35 min
 Lab File: BG031787.D
 Acq: 27 Dec 2017 7:46

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 622
 Ion Ratio Lower Upper
 198 100
 51 49.0 30.6 70.6
 105 76.6 23.8 63.8#

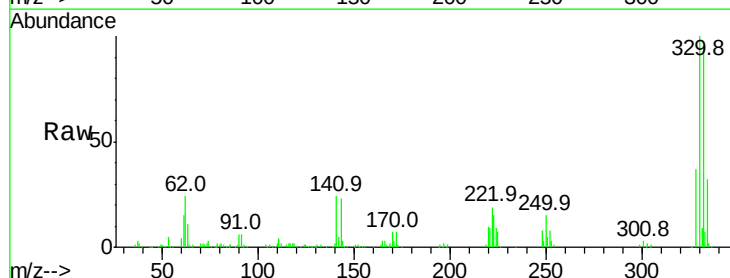


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

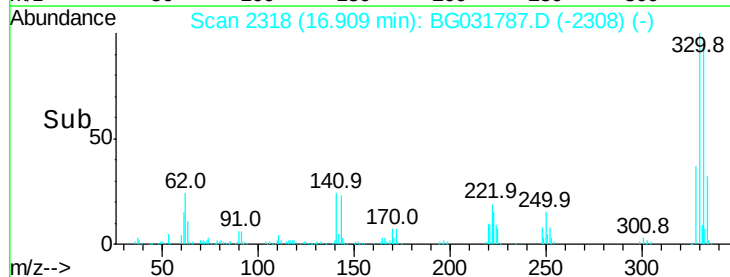
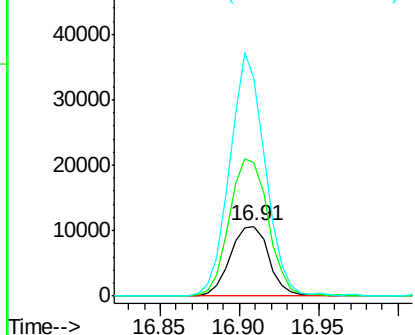


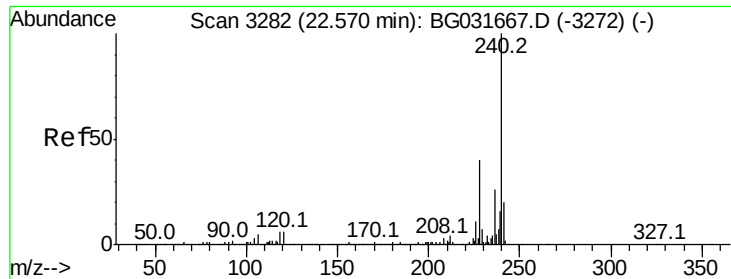
#66
 4-Bromophenyl-phenylether
 Concen: 3.413 ng
 RT: 16.91 min Scan# 2318
 Delta R.T. -0.47 min
 Lab File: BG031787.D
 Acq: 27 Dec 2017 7:46

Tgt Ion:248 Resp: 17995
 Ion Ratio Lower Upper
 248 100
 250 191.1 77.1 115.7#
 141 311.8 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# 3272

Delta R.T. -0.06 min

Lab File: BG031787.D

Acq: 27 Dec 2017 7:46

Instrument :

BNA_G

ClientSampleId :

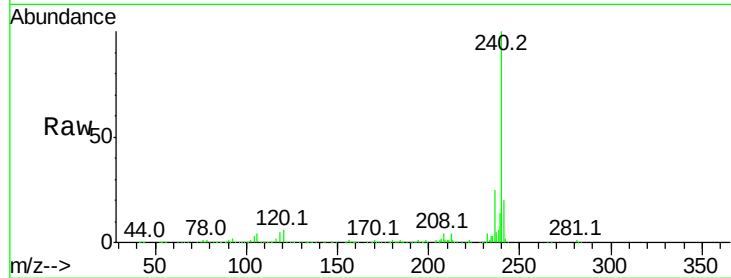
Tot Ion:240 Resp: 451128

Ion Ratio Lower Upper

240 100

120 6.3 6.8 10.2#

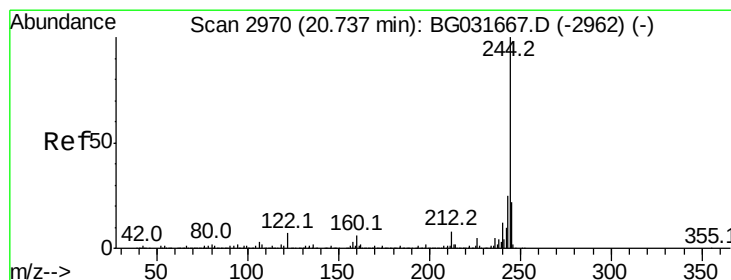
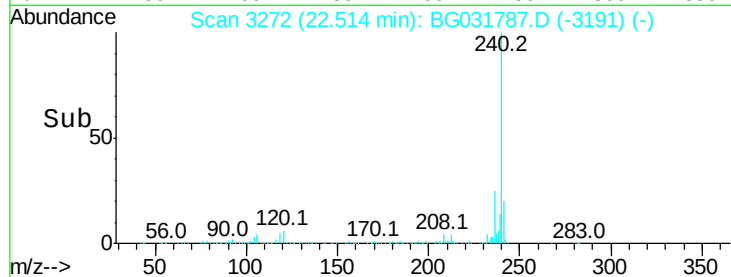
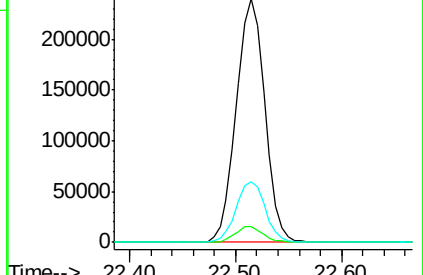
236 25.1 20.9 31.3



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: 91.685 ng

RT: 20.70 min Scan# 2963

Delta R.T. -0.04 min

Lab File: BG031787.D

Acq: 27 Dec 2017 7:46

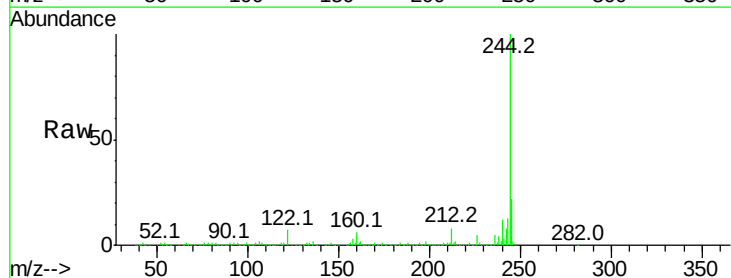
Tgt Ion:244 Resp: 1810410

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

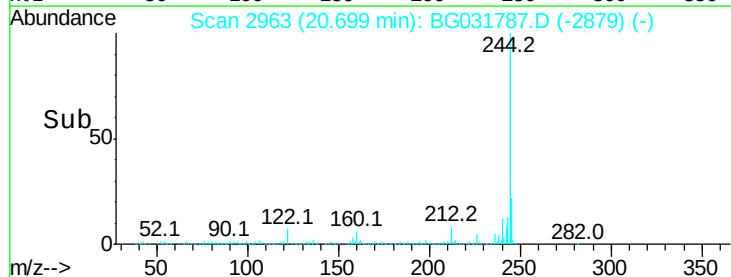
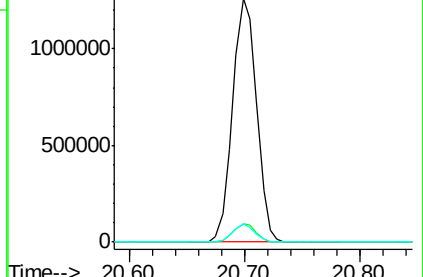
122 7.3 7.0 10.4

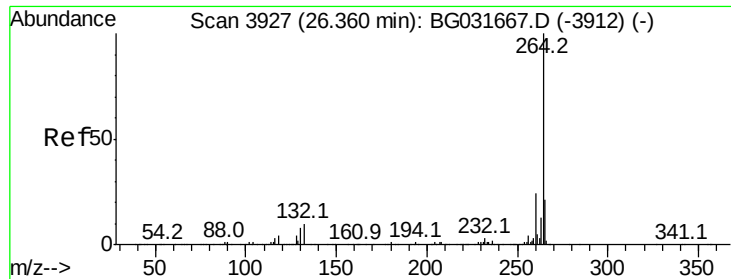


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

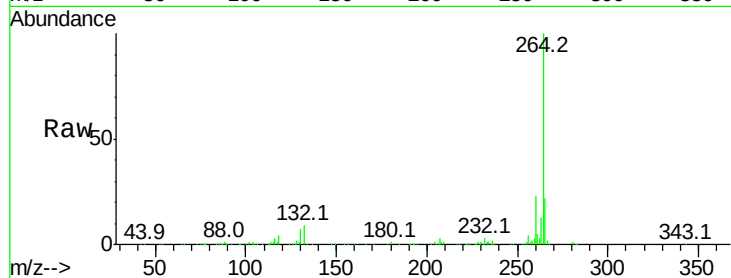




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.27 min Scan# 3911
 Delta R.T. -0.09 min
 Lab File: BG031787.D
 Acq: 27 Dec 2017 7:46

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.4	26.0
265	22.2	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

