

Data Path : U:\HPCHEM1\BNA G\DATA\BG010518\
 Data File : BG031944.D
 Acq On : 5 Jan 2018 22:14
 Operator : SJ/JU
 Sample : J1012-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 05 23:13:48 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 05 15:31:34 2018
 Response via : Initial Calibration

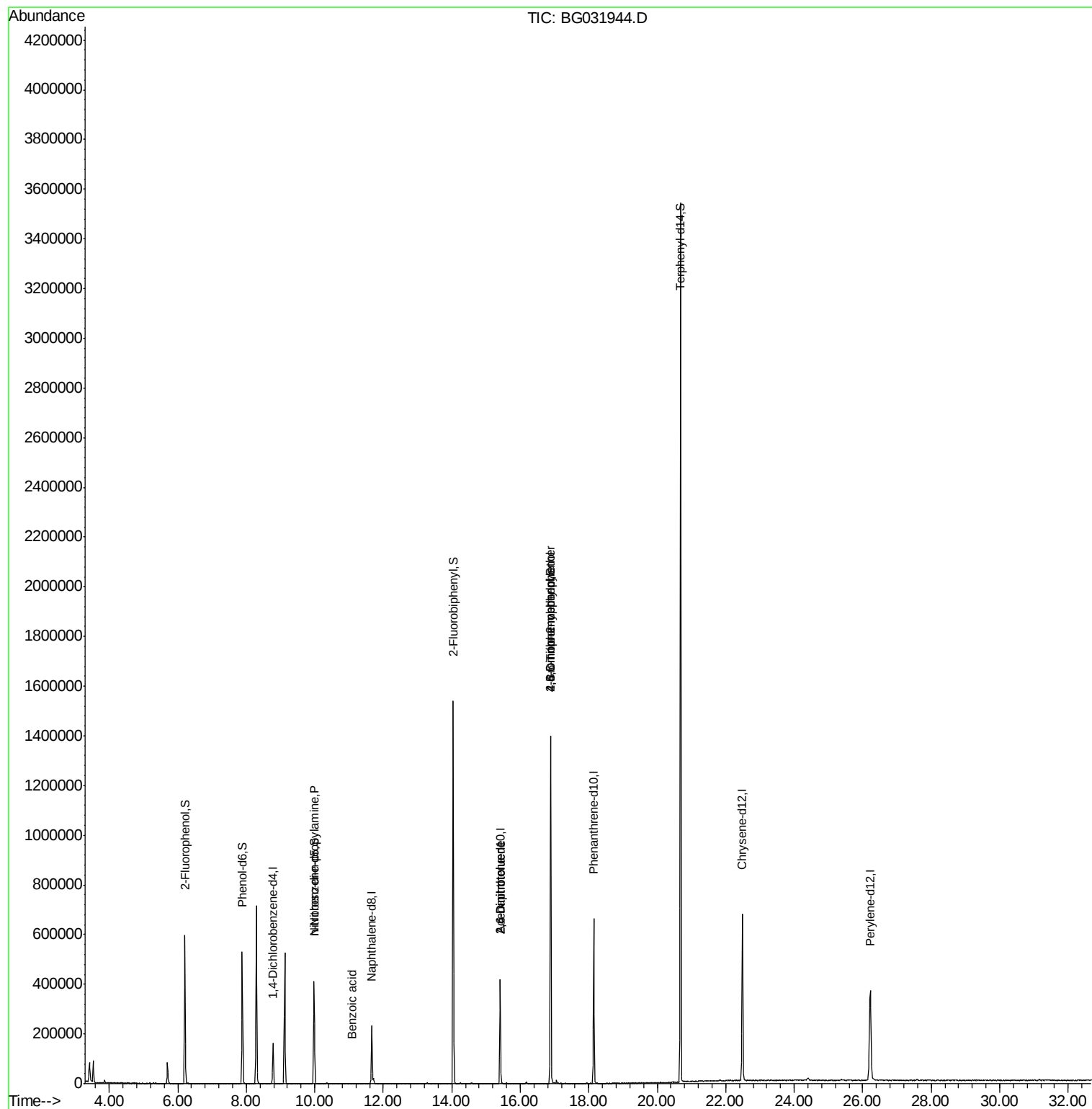
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	55096	20.00	ng	0.00
21) Naphthalene-d8	11.67	136	229987	20.00	ng	0.00
38) Acenaphthene-d10	15.41	164	164754	20.00	ng	-0.01
63) Phenanthrene-d10	18.15	188	457543	20.00	ng	-0.01
75) Chrysene-d12	22.48	240	530852	20.00	ng	-0.04
86) Perylene-d12	26.22	264	519091	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	6.21	112	328047	108.45	ng	0.00
7) Phenol-d6	7.88	99	376785	95.94	ng	0.00
23) Nitrobenzene-d5	9.98	82	266970	87.65	ng	0.00
41) 2,4,6-Tribromophenol	16.89	330	348468	138.62	ng	-0.01
44) 2-Fluorobiphenyl	14.04	172	936627	71.35	ng	-0.01
78) Terphenyl-d14	20.68	244	1913465	82.35	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.98	70	34655	12.921	ng	# 75
32) Benzoic acid	11.09	122	64	6.718	ng	# 1
50) 2,6-Dinitrotoluene	15.41	165	21005	7.867	ng	# 19
56) 2,4-Dinitrotoluene	15.41	165	21005	6.118	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.89	198	905	8.642	ng	# 38
66) 4-Bromophenyl-phenylether	16.88	248	27924	4.220	ng	# 1

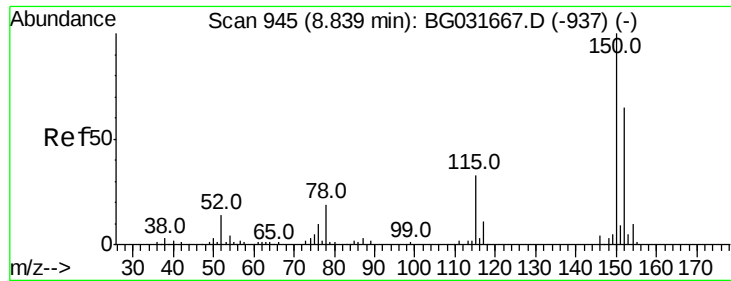
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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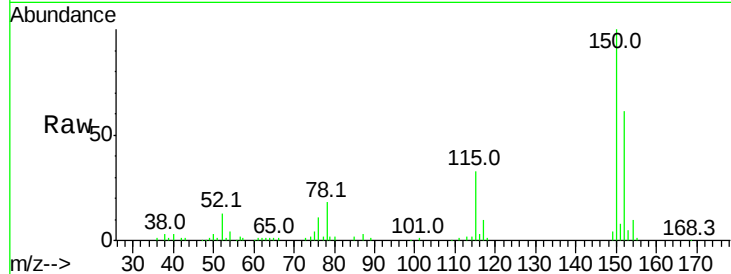


#1

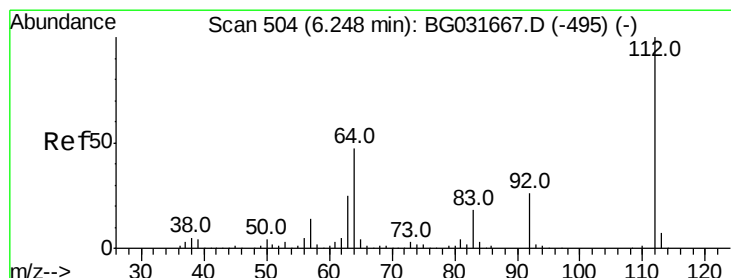
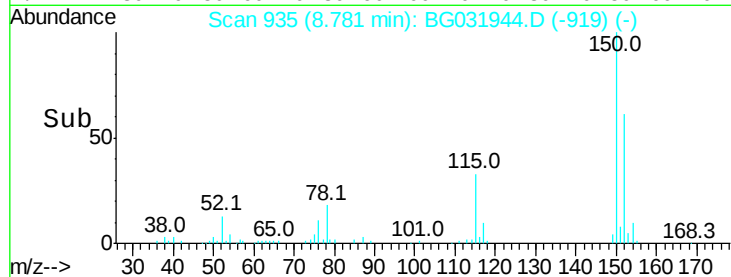
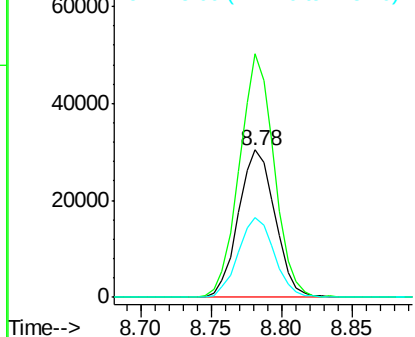
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.78 min Scan# 935
Delta R.T. -0.01 min
Lab File: BG031944.D
Acq: 5 Jan 2018 22:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 55096
Ion Ratio Lower Upper
152 100
150 165.2 126.6 189.8
115 54.1 53.0 79.4



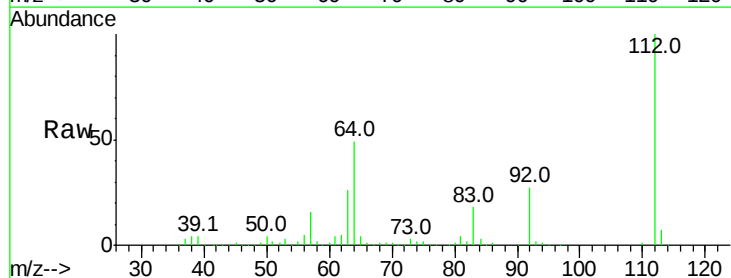
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



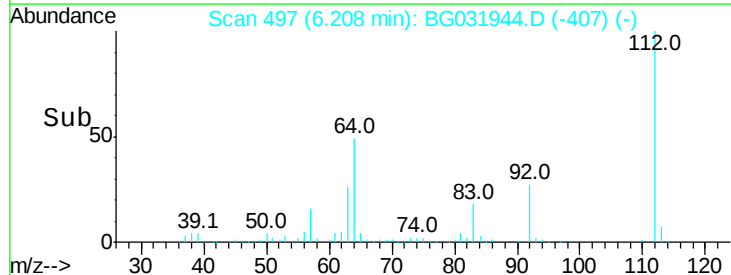
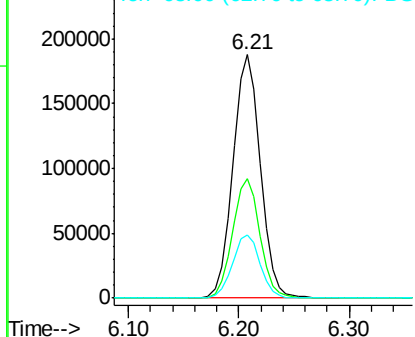
#5

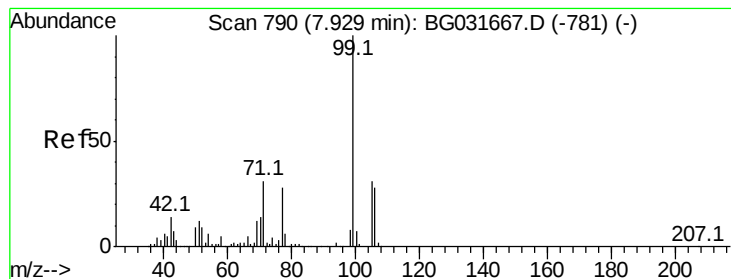
2-Fluorophenol
Concen: 108.447 ng
RT: 6.21 min Scan# 497
Delta R.T. -0.00 min
Lab File: BG031944.D
Acq: 5 Jan 2018 22:14

Tgt Ion:112 Resp: 328047
Ion Ratio Lower Upper
112 100
64 49.0 56.3 84.5#
63 25.8 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: 95.938 ng

RT: 7.88 min Scan# 782

Delta R.T. -0.01 min

Lab File: BG031944.D

Acq: 5 Jan 2018 22:14

Instrument :

BNA_G

ClientSampleId :

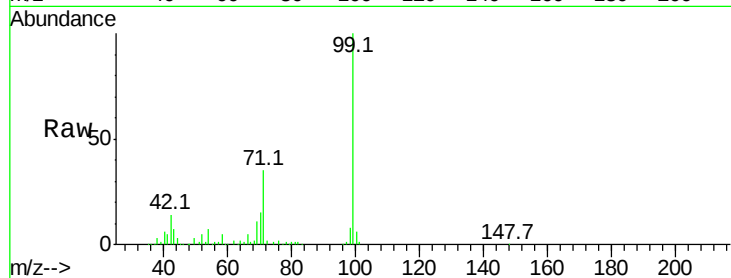
Tot Ion: 99 Resp: 376785

Ion Ratio Lower Upper

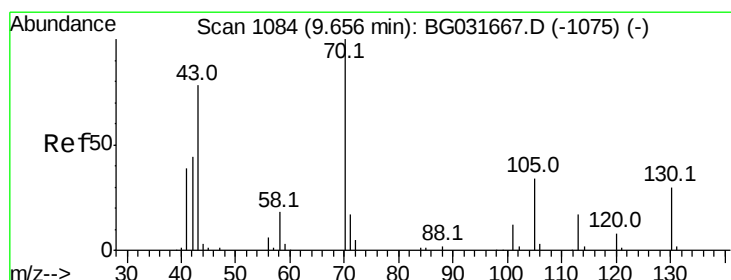
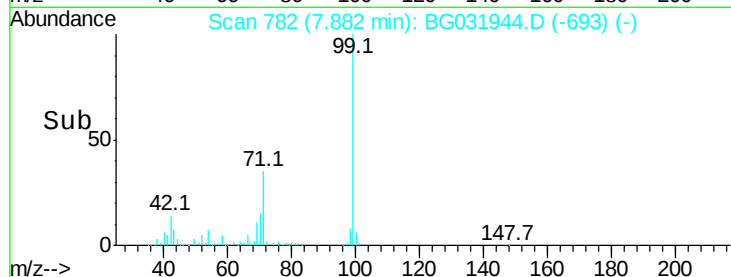
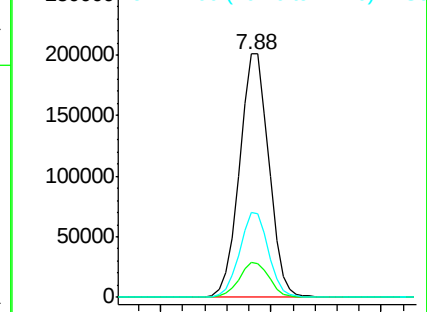
99 100

42 14.2 14.1 21.1

71 35.1 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



#19

n-Nitroso-di-n-propylamine

Concen: 12.921 ng

RT: 9.98 min Scan# 1139

Delta R.T. 0.37 min

Lab File: BG031944.D

Acq: 5 Jan 2018 22:14

Tgt Ion: 70 Resp: 34655

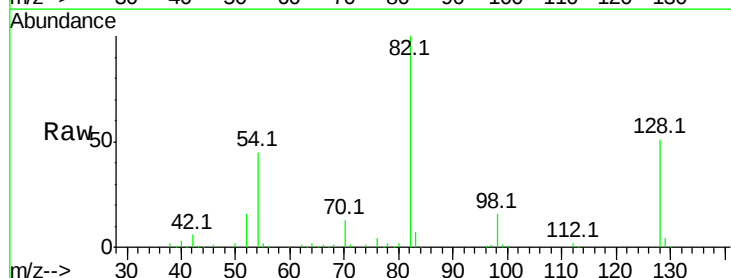
Ion Ratio Lower Upper

70 100

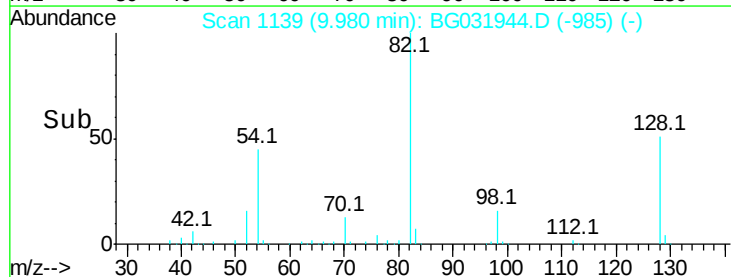
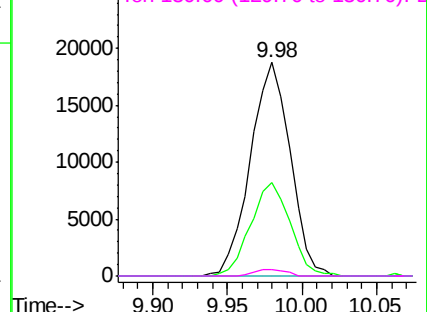
42 43.6 49.1 73.7#

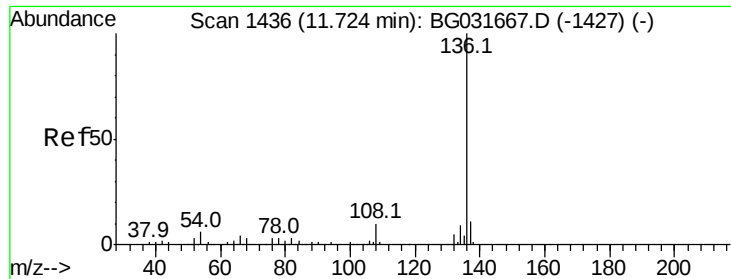
101 0.0 8.5 12.7#

130 3.2 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: BG031944.D

Acq: 5 Jan 2018 22:14

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 229987

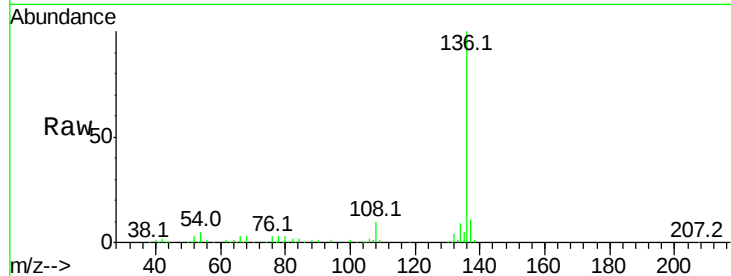
Ion Ratio Lower Upper

136 100

137 11.4 9.2 13.8

54 5.3 10.3 15.5#

68 3.4 4.5 6.7#

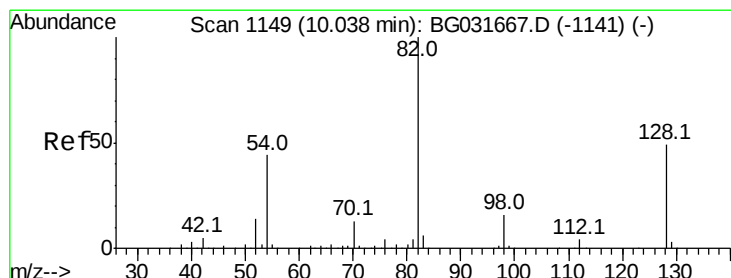
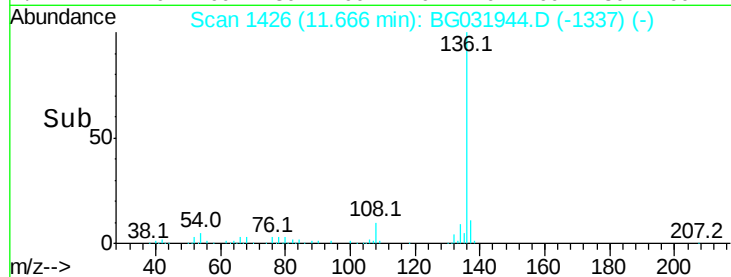
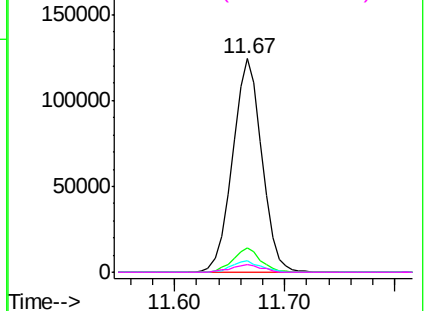


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 87.655 ng

RT: 9.98 min Scan# 1139

Delta R.T. -0.01 min

Lab File: BG031944.D

Acq: 5 Jan 2018 22:14

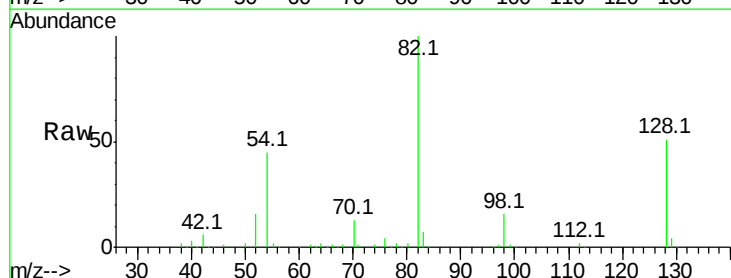
Tgt Ion: 82 Resp: 266970

Ion Ratio Lower Upper

82 100

128 50.7 29.7 44.5#

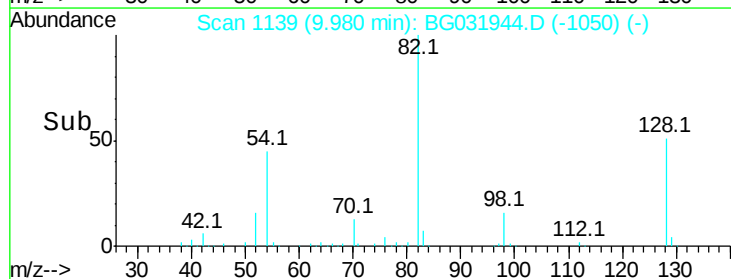
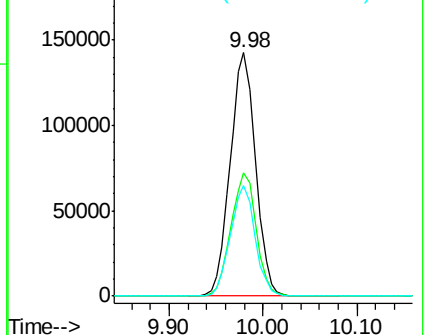
54 45.2 43.1 64.7

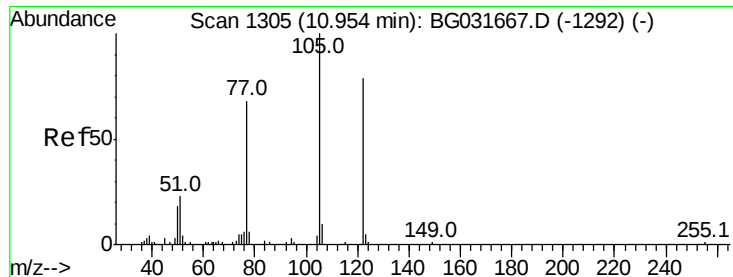


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 6.718 ng

RT: 11.09 min Scan# 1328

Delta R.T. 0.18 min

Lab File: BG031944.D

Acq: 5 Jan 2018 22:14

Instrument :

BNA_G

ClientSampleId :

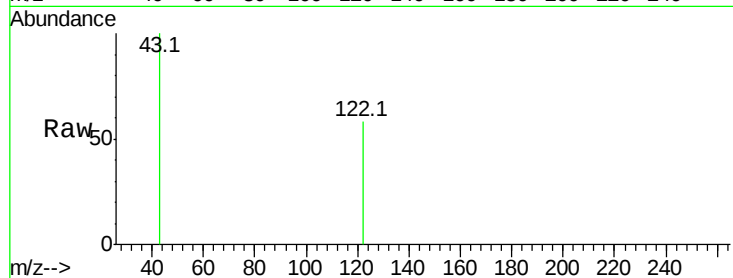
Tot Ion:122 Resp: 64

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

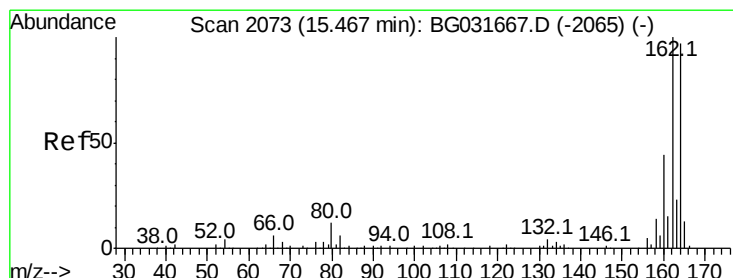
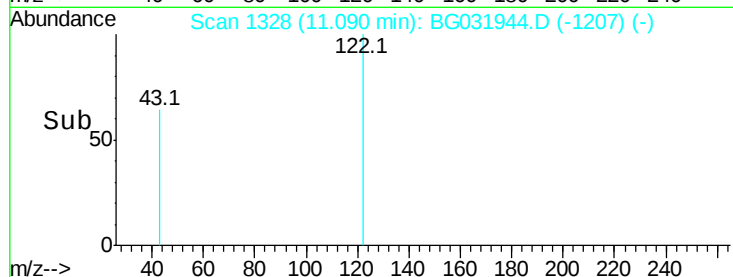
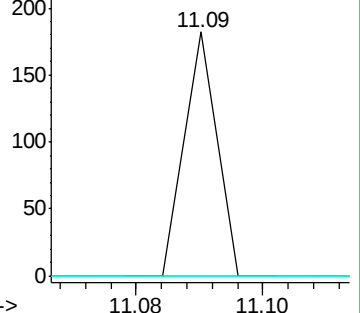
77 0.0 85.7 125.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.41 min Scan# 2064

Delta R.T. -0.01 min

Lab File: BG031944.D

Acq: 5 Jan 2018 22:14

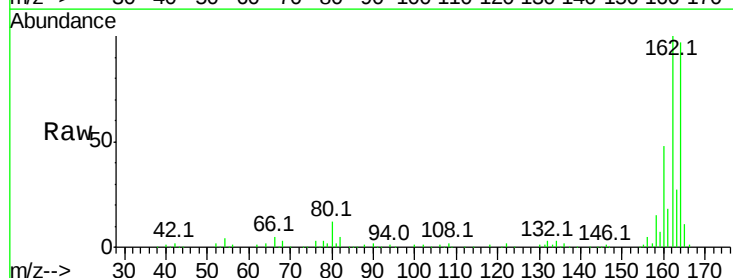
Tgt Ion:164 Resp: 164754

Ion Ratio Lower Upper

164 100

162 103.3 78.8 118.2

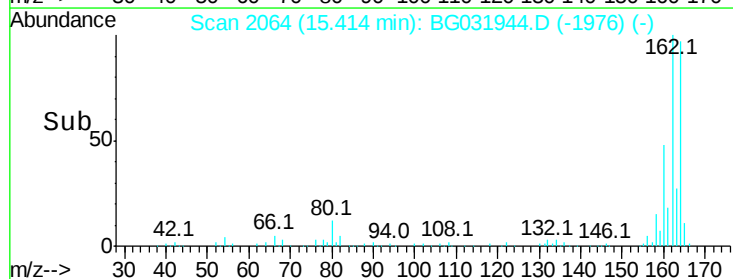
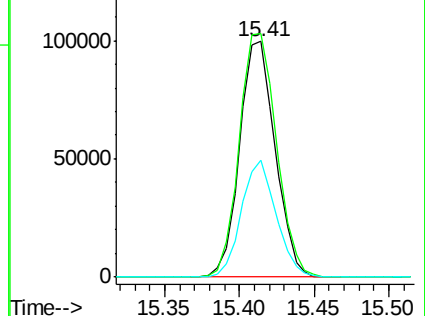
160 49.5 35.4 53.0

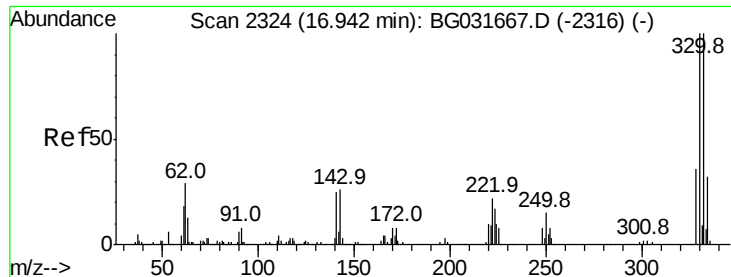


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 138.616 ng

RT: 16.89 min Scan# 2315

Delta R.T. -0.01 min

Lab File: BG031944.D

Acq: 5 Jan 2018 22:14

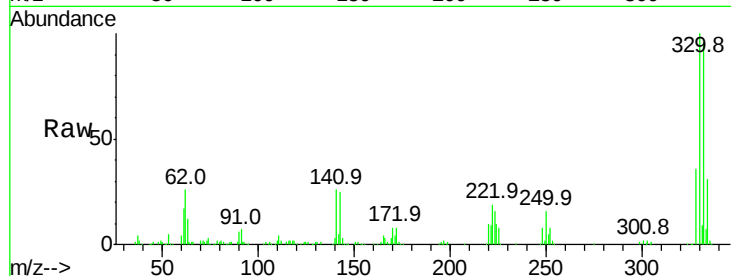
Instrument :

BNA_G

ClientSampleId :

Tot Ion:330 Resp: 348468

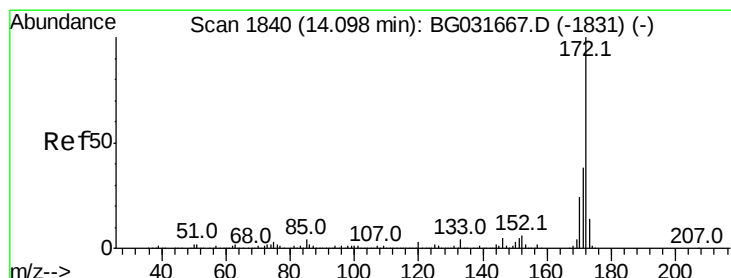
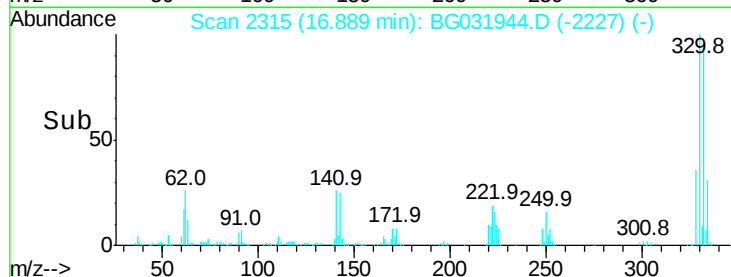
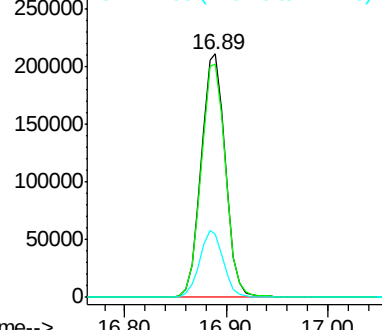
Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	26.9	25.2	37.8



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: 71.354 ng

RT: 14.04 min Scan# 1830

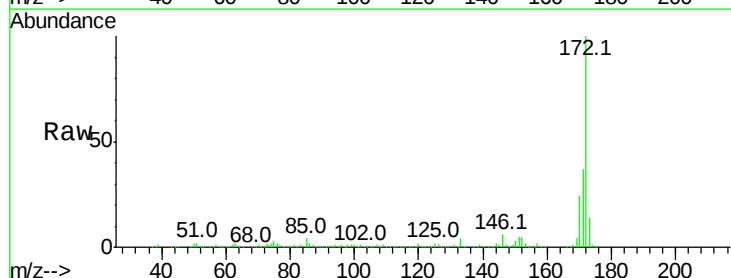
Delta R.T. -0.01 min

Lab File: BG031944.D

Acq: 5 Jan 2018 22:14

Tgt Ion:172 Resp: 936627

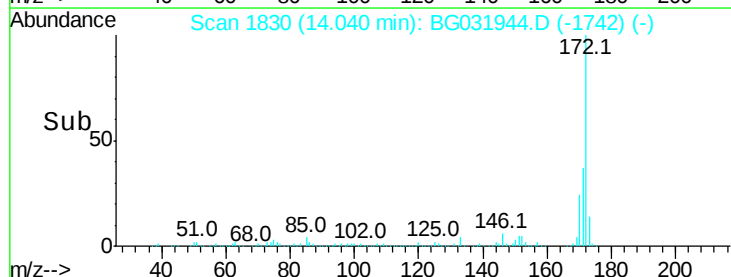
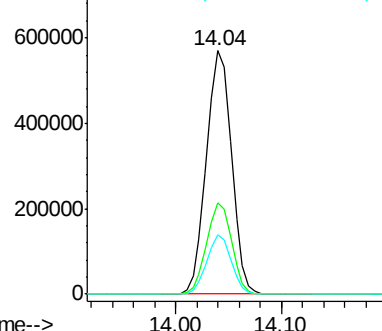
Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.0	45.0
170	24.1	19.5	29.3

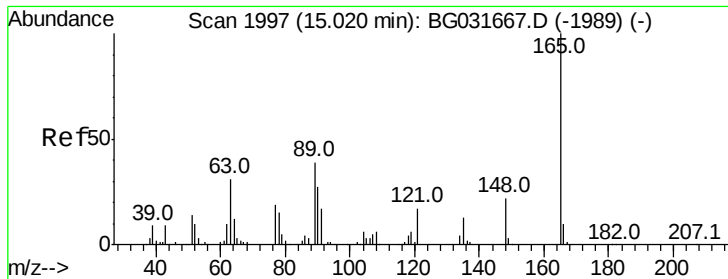


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

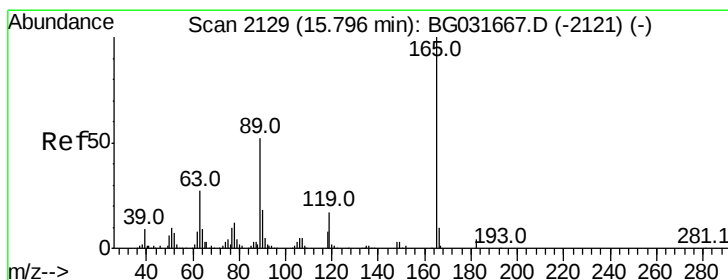
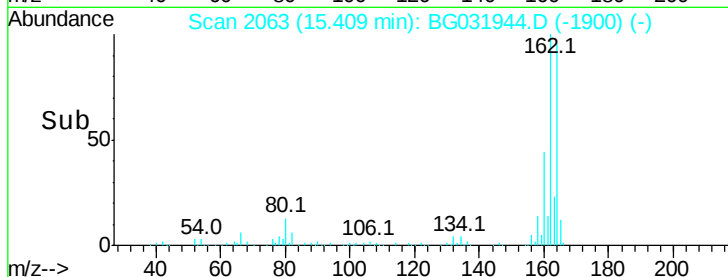
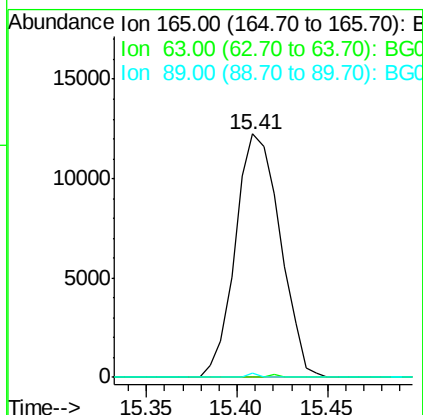
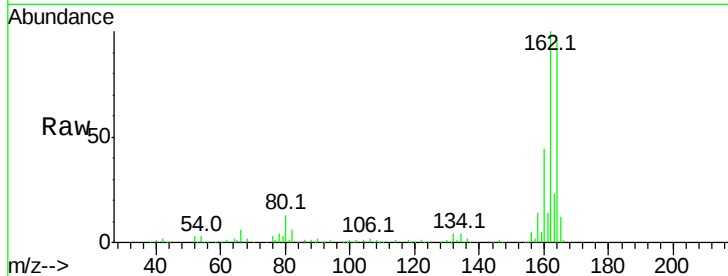




#50
 2,6-Dinitrotoluene
 Concen: 7.867 ng
 RT: 15.41 min Scan# 2063
 Delta R.T. 0.43 min
 Lab File: BG031944.D
 Acq: 5 Jan 2018 22:14

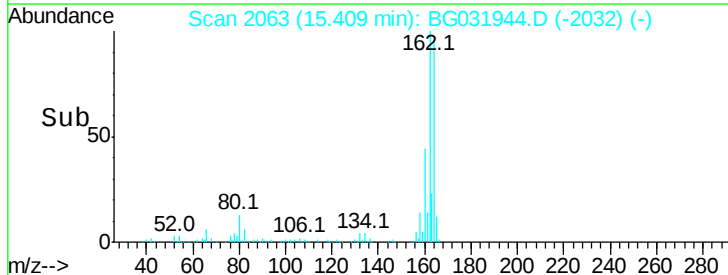
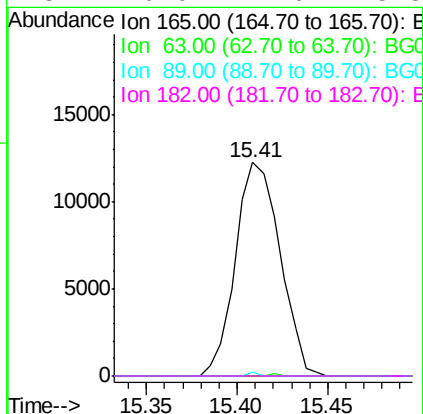
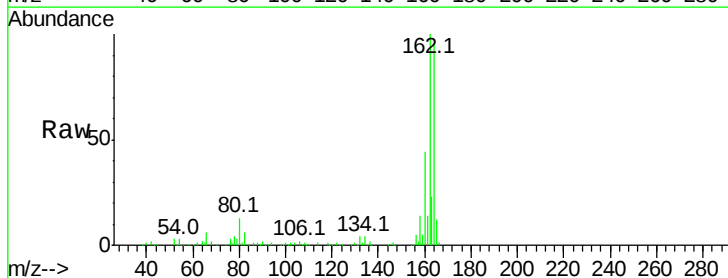
Instrument :
 BNA_G
 ClientSampleId :

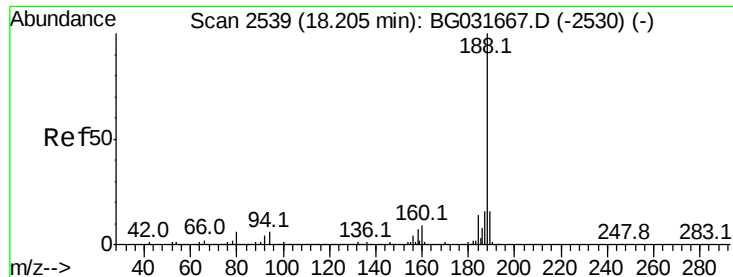
Tot Ion:165 Resp: 21005
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 1.8 49.2 73.8#



#56
 2,4-Dinitrotoluene
 Concen: 6.118 ng
 RT: 15.41 min Scan# 2063
 Delta R.T. -0.35 min
 Lab File: BG031944.D
 Acq: 5 Jan 2018 22:14

Tgt Ion:165 Resp: 21005
 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#

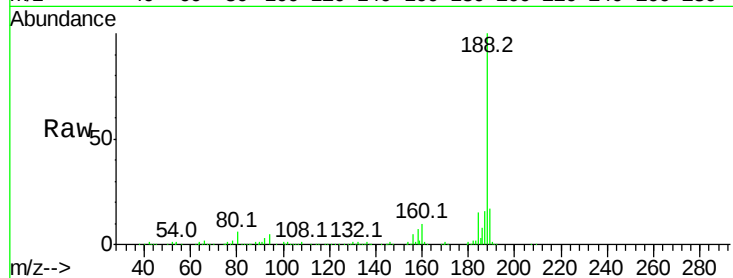




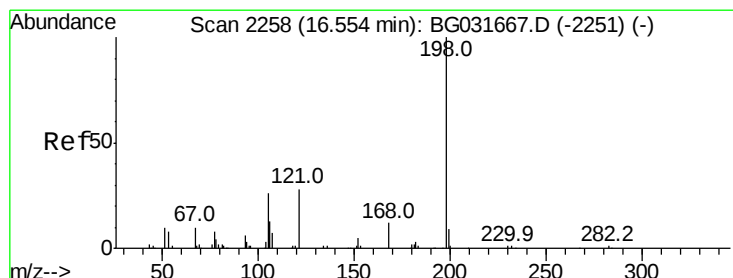
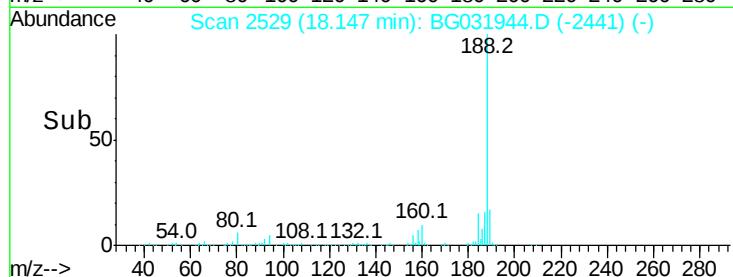
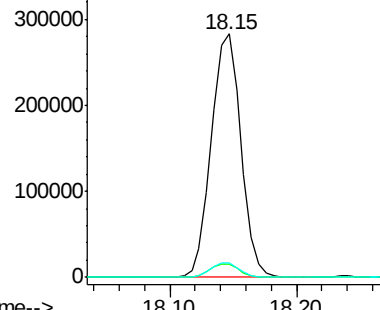
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.15 min Scan# 2529
 Delta R.T. -0.01 min
 Lab File: BG031944.D
 Acq: 5 Jan 2018 22:14

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:188 Resp: 457543
 Ion Ratio Lower Upper
 188 100
 94 5.3 6.9 10.3#
 80 5.9 7.7 11.5#

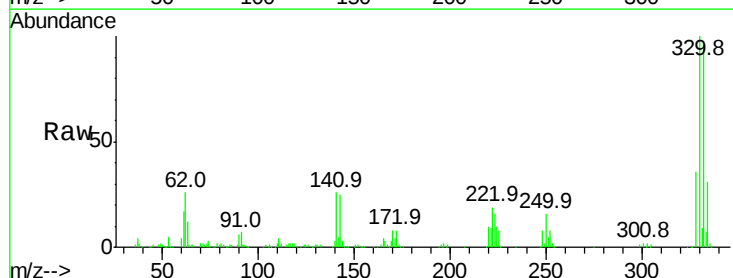


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

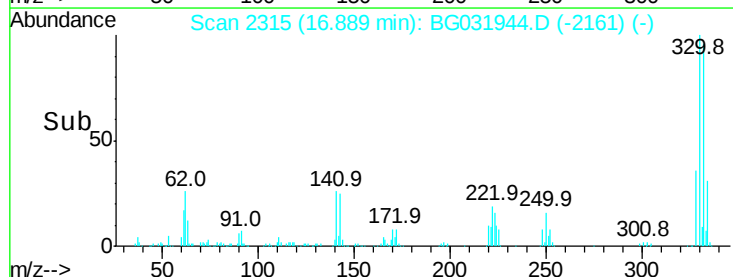
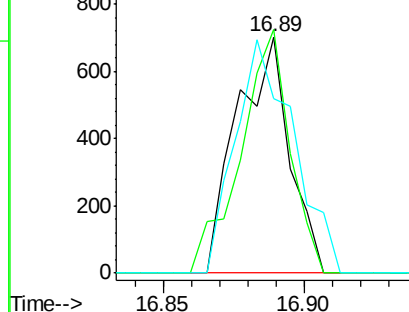


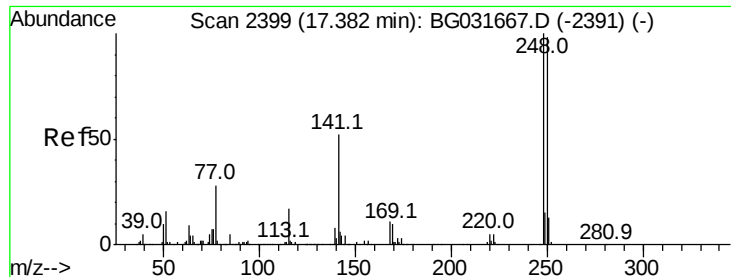
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.642 ng
 RT: 16.89 min Scan# 2315
 Delta R.T. 0.37 min
 Lab File: BG031944.D
 Acq: 5 Jan 2018 22:14

Tgt Ion:198 Resp: 905
 Ion Ratio Lower Upper
 198 100
 51 103.1 30.6 70.6#
 105 74.1 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

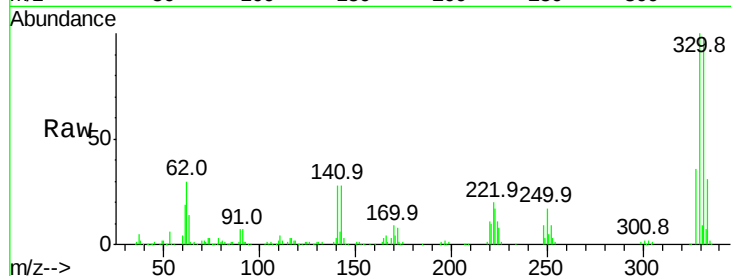




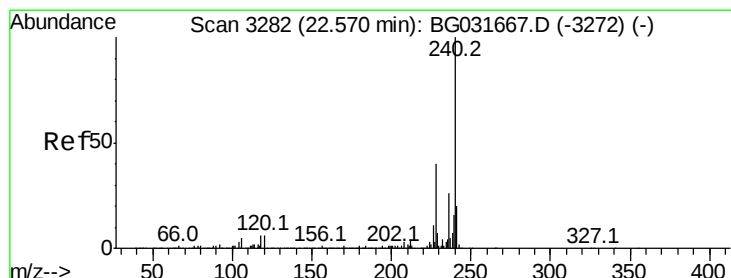
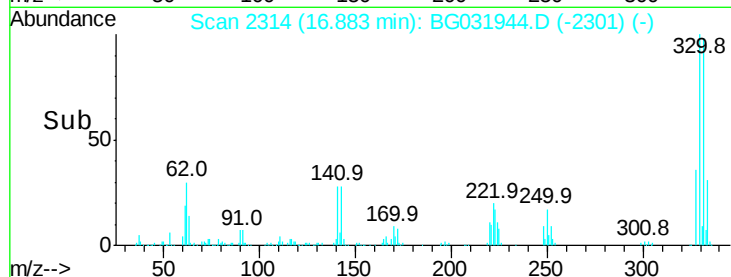
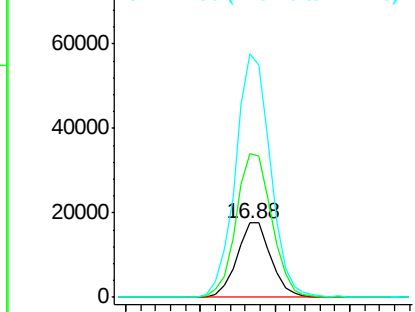
#66
4-Bromophenyl-phenylether
Concen: 4.220 ng
RT: 16.88 min Scan# 2314
Delta R.T. -0.45 min
Lab File: BG031944.D
Acq: 5 Jan 2018 22:14

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 27924
Ion Ratio Lower Upper
248 100
250 192.7 77.1 115.7#
141 327.4 50.8 76.2#

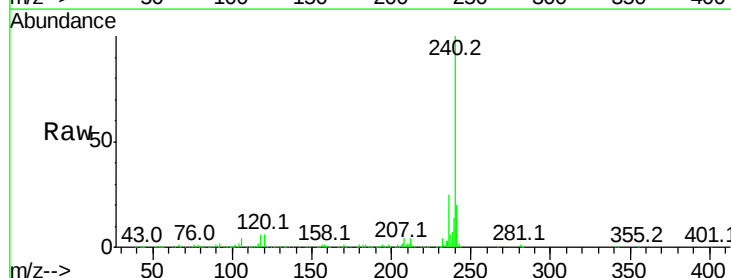


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

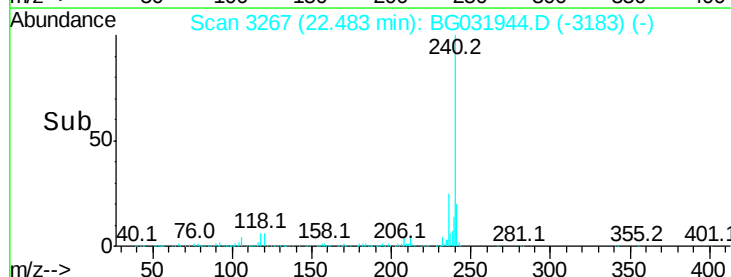
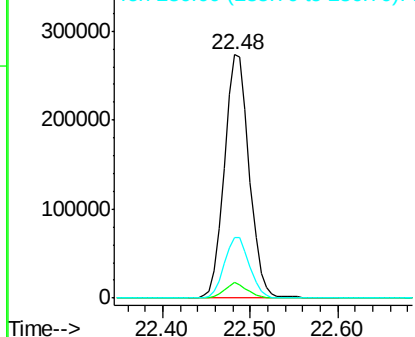


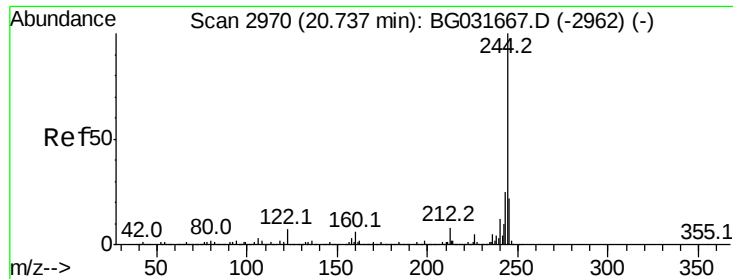
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.48 min Scan# 3267
Delta R.T. -0.04 min
Lab File: BG031944.D
Acq: 5 Jan 2018 22:14

Tgt Ion:240 Resp: 530852
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

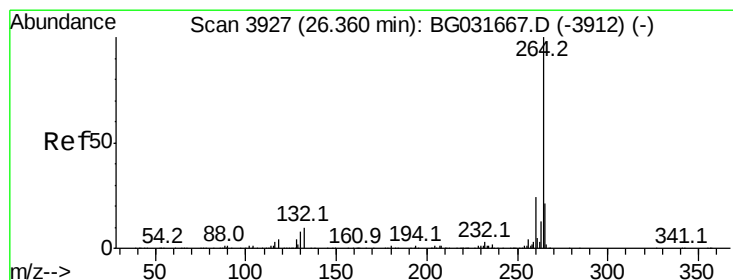
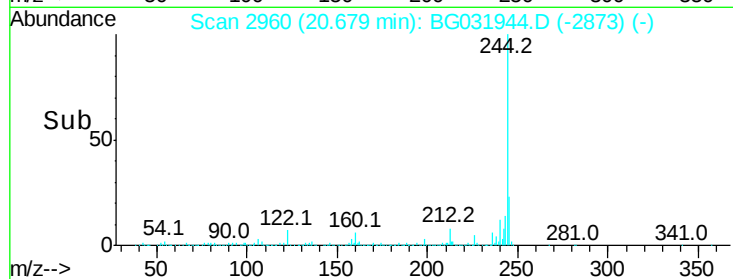
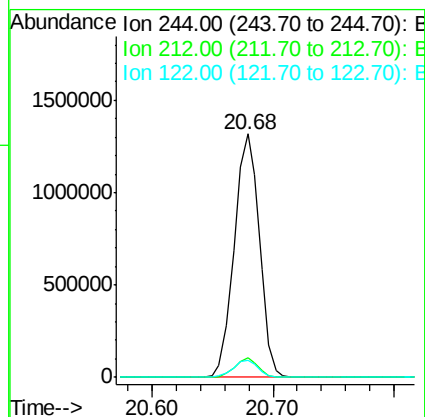
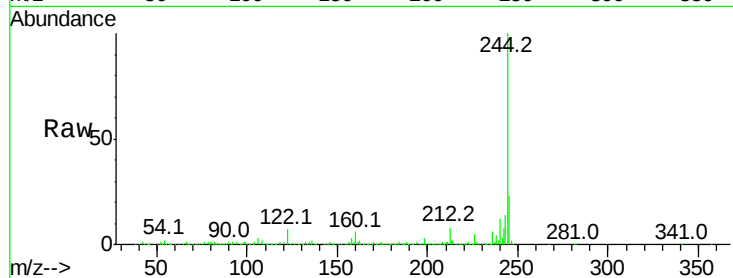




#78
 Terphenyl-d14
 Concen: 82.351 ng
 RT: 20.68 min Scan# 2960
 Delta R.T. -0.02 min
 Lab File: BG031944.D
 Acq: 5 Jan 2018 22:14

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1913465
 Ion Ratio Lower Upper
 244 100
 212 7.9 5.8 8.8
 122 7.1 7.0 10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.22 min Scan# 3903
 Delta R.T. -0.08 min
 Lab File: BG031944.D
 Acq: 5 Jan 2018 22:14

Tgt Ion:264 Resp: 519091
 Ion Ratio Lower Upper
 264 100
 260 22.5 17.4 26.0
 265 22.3 17.7 26.5

