

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010918\
 Data File : BG031972.D
 Acq On : 10 Jan 2018 8:18
 Operator : SJ/JU
 Sample : J1057-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 10 09:47:46 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

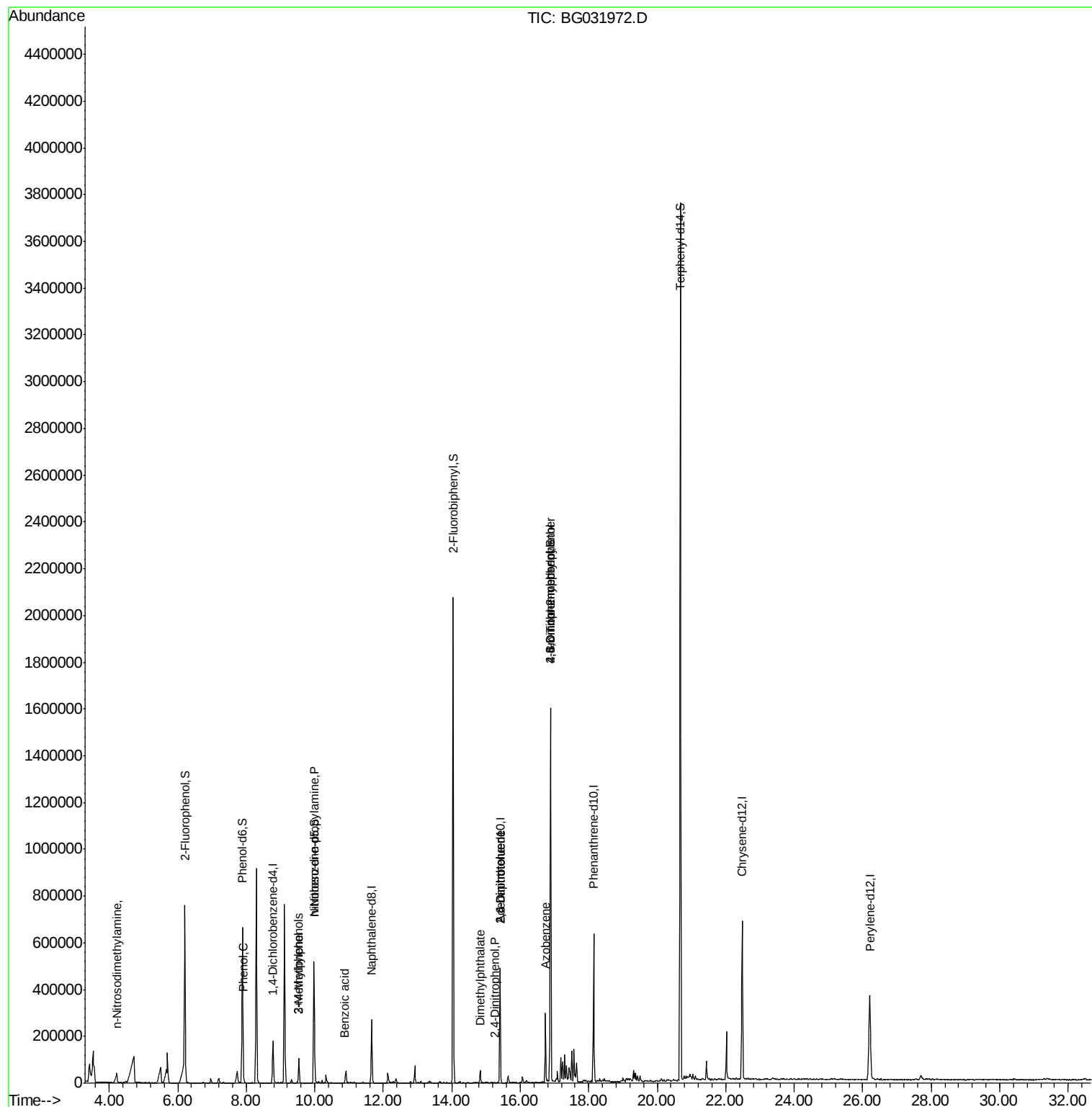
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	65146	20.00	ng	-0.01
21) Naphthalene-d8	11.66	136	271954	20.00	ng	-0.01
38) Acenaphthene-d10	15.41	164	184321	20.00	ng	-0.02
63) Phenanthrene-d10	18.14	188	439816	20.00	ng	-0.02
75) Chrysene-d12	22.48	240	507568	20.00	ng	-0.04
86) Perylene-d12	26.20	264	513070	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	6.21	112	407449	113.92	ng	0.00
7) Phenol-d6	7.89	99	468830	100.96	ng	0.00
23) Nitrobenzene-d5	9.97	82	351269	97.54	ng	-0.01
41) 2,4,6-Tribromophenol	16.88	330	381458	135.63	ng	-0.02
44) 2-Fluorobiphenyl	14.04	172	1245641	84.82	ng	-0.01
78) Terphenyl-d14	20.67	244	2018504	90.86	ng	-0.02
Target Compounds						
4) n-Nitrosodimethylamine	4.23	42	2957	2.068	ng	Qvalue # 6
10) Phenol	7.91	94	34921	7.448	ng	# 95
17) 2-Methylphenol	9.54	107	54379	16.210	ng	# 73
19) n-Nitroso-di-n-propylamine	9.97	70	46140	14.549	ng	# 67
20) 3+4-Methylphenols	9.54	107	54379	11.406	ng	# 94
32) Benzoic acid	10.86	122	106	6.727	ng	# 1
49) Dimethylphthalate	14.83	163	40239	2.478	ng	# 95
50) 2,6-Dinitrotoluene	15.41	165	23542	7.881	ng	# 20
53) 2,4-Dinitrophenol	15.25	184	58	7.674	ng	# 1
56) 2,4-Dinitrotoluene	15.41	165	23542	6.129	ng	# 18
62) Azobenzene	16.74	77	74471	7.337	ng	# 1
64) 4,6-Dinitro-2-methylphenol	16.88	198	1026	8.702	ng	# 12
66) 4-Bromophenyl-phenylether	16.88	248	30512	4.797	ng	# 1

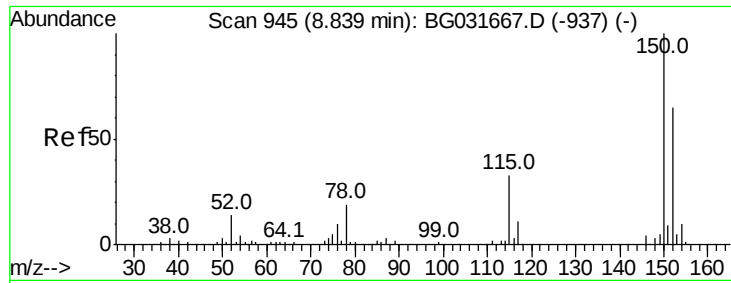
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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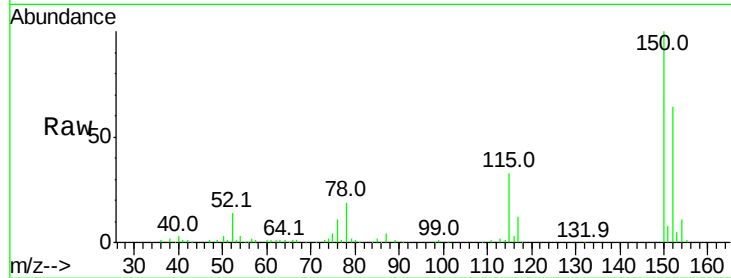


#1

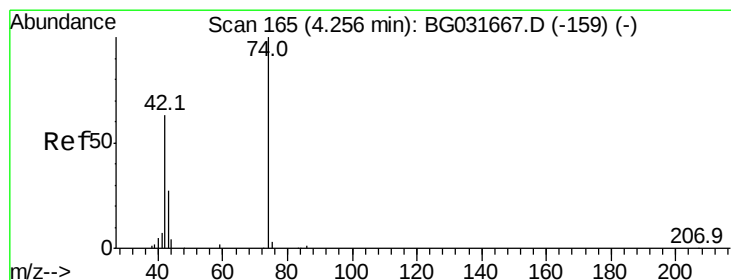
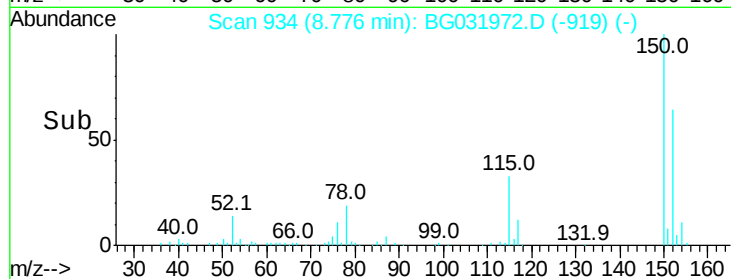
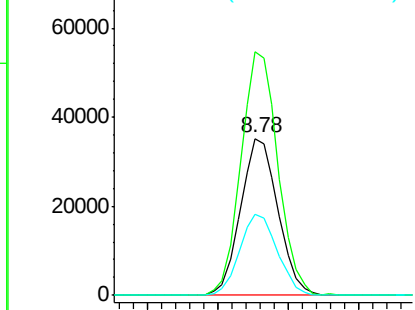
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.78 min Scan# 934
Delta R.T. -0.01 min
Lab File: BG031972.D
Acq: 10 Jan 2018 8:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 65146
Ion Ratio Lower Upper
152 100
150 155.2 126.6 189.8
115 51.7 53.0 79.4#



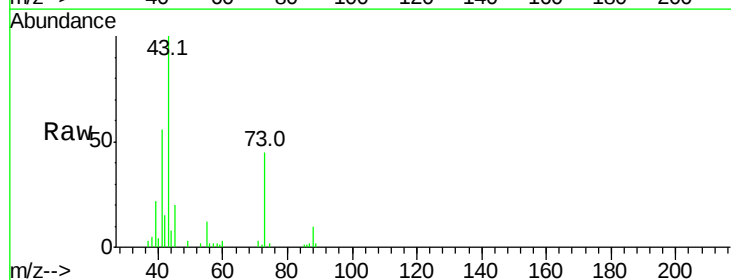
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



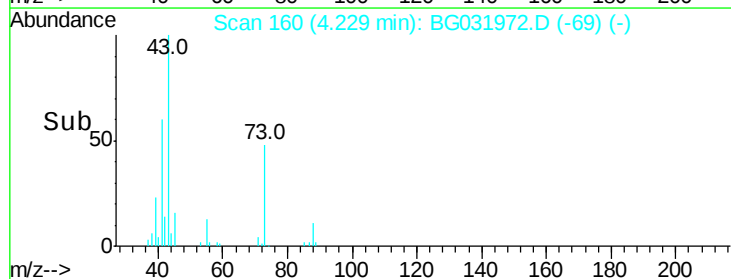
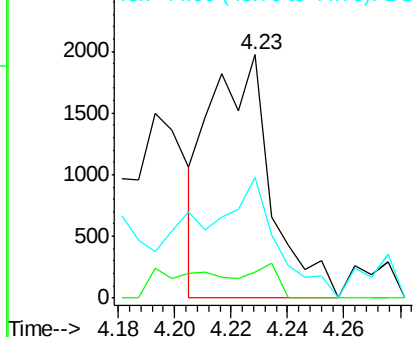
#4

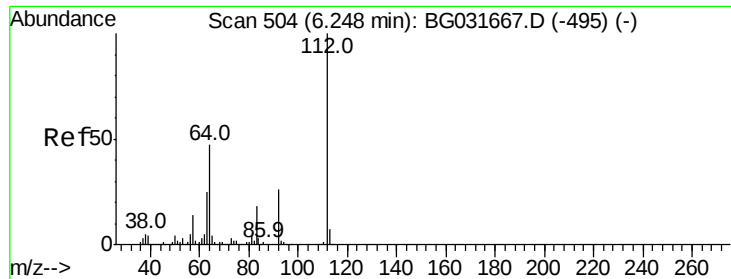
n-Nitrosodimethylamine
Concen: 2.068 ng
RT: 4.23 min Scan# 160
Delta R.T. 0.00 min
Lab File: BG031972.D
Acq: 10 Jan 2018 8:18

Tgt Ion: 42 Resp: 2957
Ion Ratio Lower Upper
42 100
74 10.4 102.5 153.7#
44 49.6 18.9 28.3#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 113.917 ng

RT: 6.21 min Scan# 497

Delta R.T. -0.00 min

Lab File: BG031972.D

Acq: 10 Jan 2018 8:18

Instrument :

BNA_G

ClientSampleId :

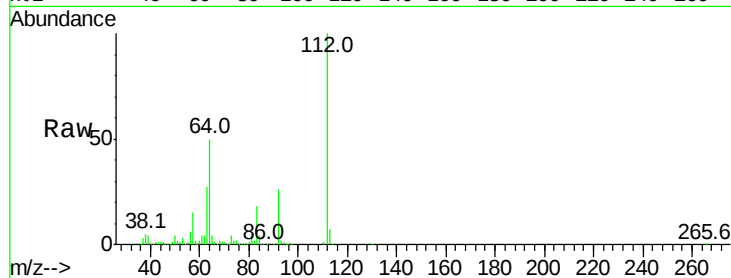
Tot Ion:112 Resp: 407449

Ion Ratio Lower Upper

112 100

64 50.1 56.3 84.5#

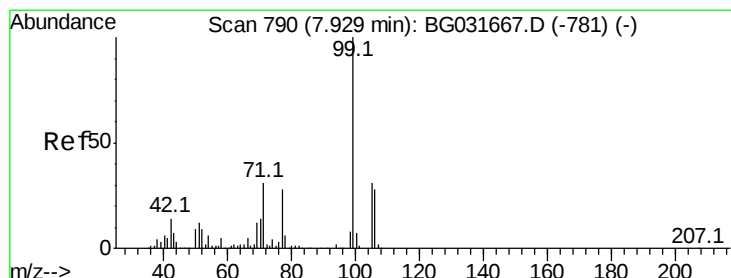
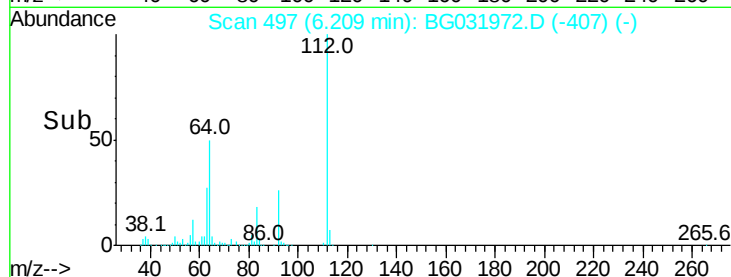
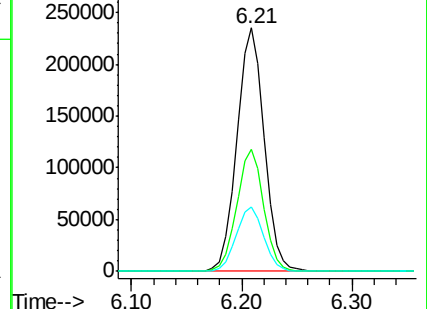
63 26.6 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 100.959 ng

RT: 7.89 min Scan# 783

Delta R.T. -0.00 min

Lab File: BG031972.D

Acq: 10 Jan 2018 8:18

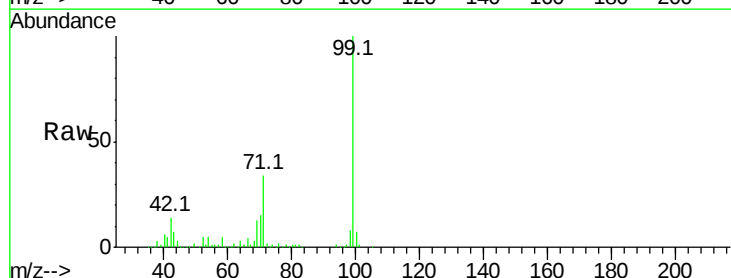
Tgt Ion: 99 Resp: 468830

Ion Ratio Lower Upper

99 100

42 14.5 14.1 21.1

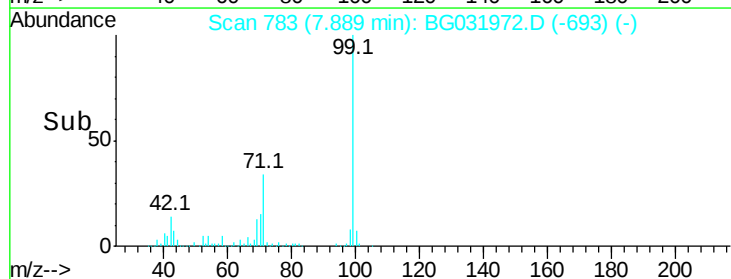
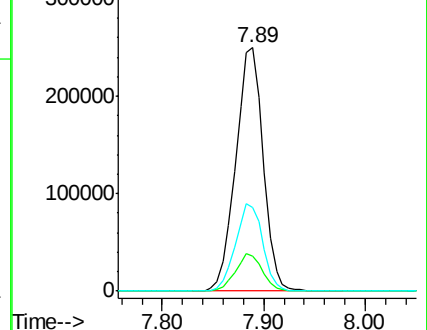
71 34.4 26.1 39.1

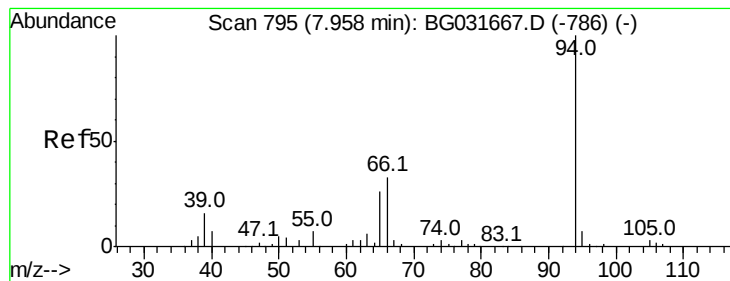


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 7.448 ng

RT: 7.91 min Scan# 787

Delta R.T. -0.01 min

Lab File: BG031972.D

Acq: 10 Jan 2018 8:18

Instrument :

BNA_G

ClientSampled :

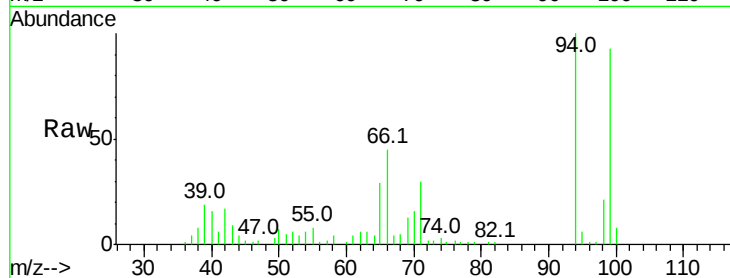
Tot Ion: 94 Resp: 34921

Ion Ratio Lower Upper

94 100

65 28.9 11.9 51.9

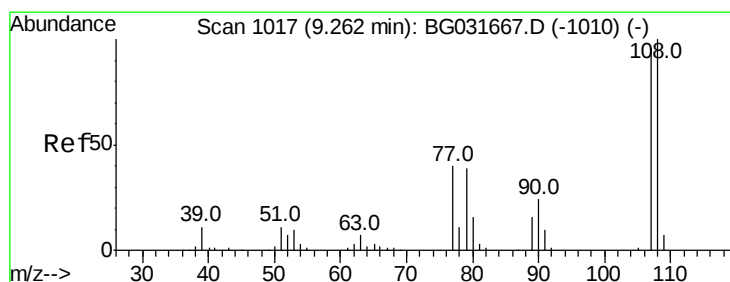
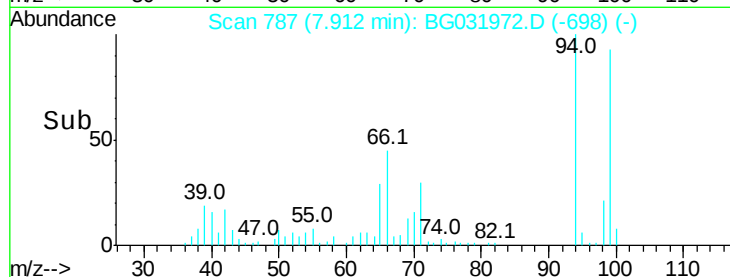
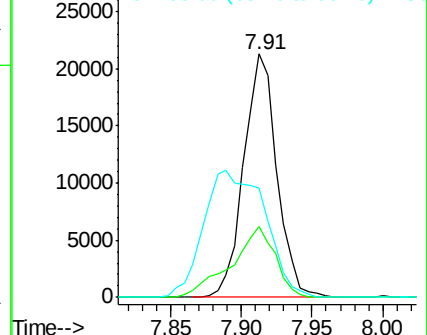
66 45.1 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC



#17

2-Methylphenol

Concen: 16.210 ng

RT: 9.54 min Scan# 1064

Delta R.T. 0.32 min

Lab File: BG031972.D

Acq: 10 Jan 2018 8:18

Tgt Ion: 107 Resp: 54379

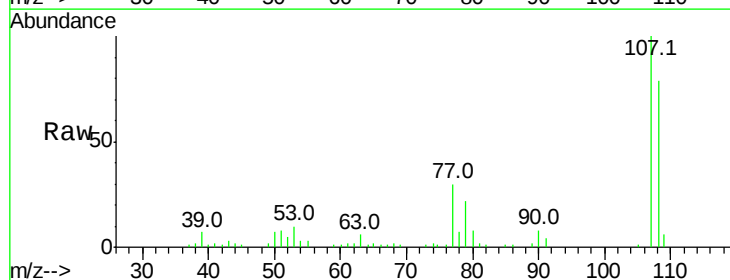
Ion Ratio Lower Upper

107 100

108 79.2 83.9 125.9#

77 29.5 37.2 55.8#

79 22.4 36.2 54.2#

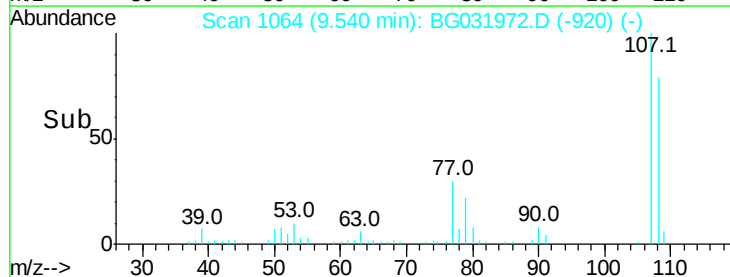
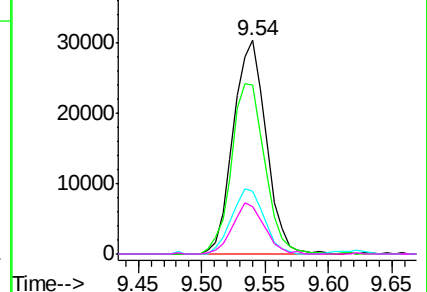


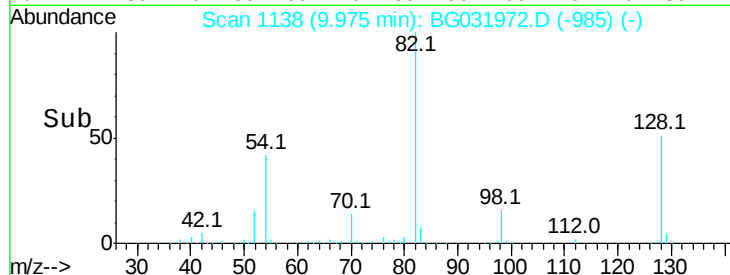
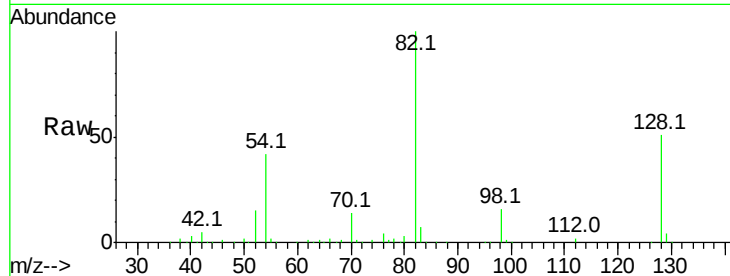
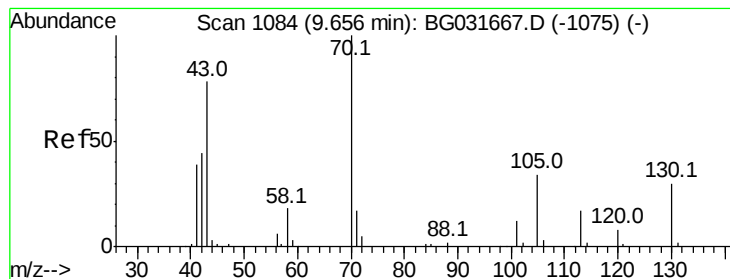
Abundance Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 14.549 ng

RT: 9.97 min Scan# 1138

Delta R.T. 0.37 min

Lab File: BG031972.D

Acq: 10 Jan 2018 8:18

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 46140

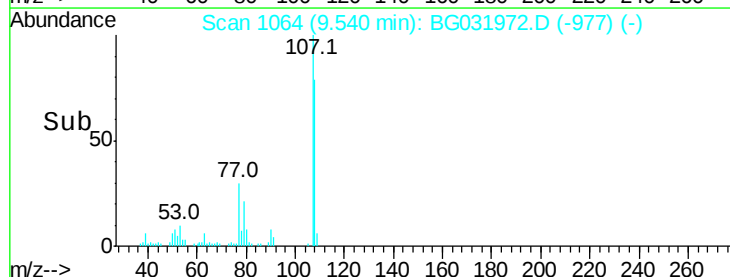
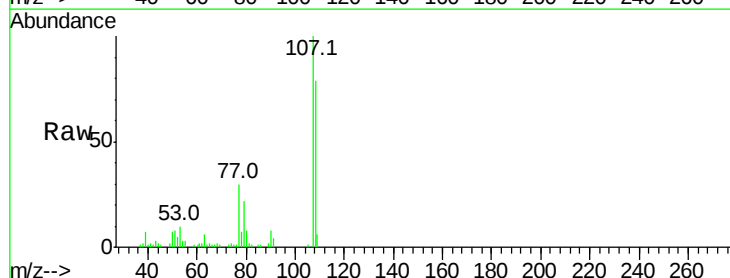
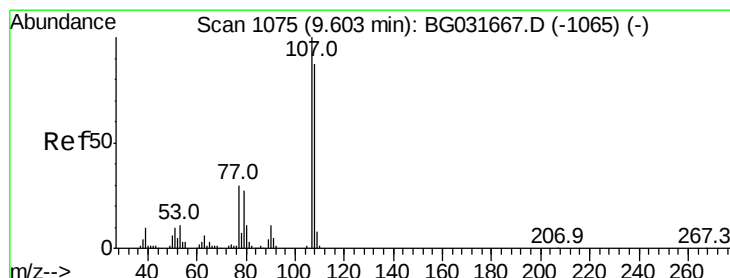
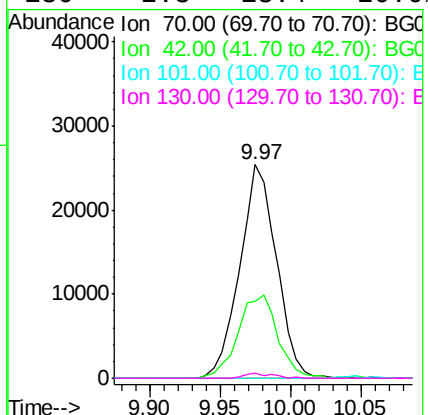
Ion Ratio Lower Upper

70 100

42 36.0 49.1 73.7#

101 0.0 8.5 12.7#

130 2.3 13.4 20.0#



#20

3+4-Methylphenols

Concen: 11.406 ng

RT: 9.54 min Scan# 1064

Delta R.T. -0.02 min

Lab File: BG031972.D

Acq: 10 Jan 2018 8:18

Tgt Ion:107 Resp: 54379

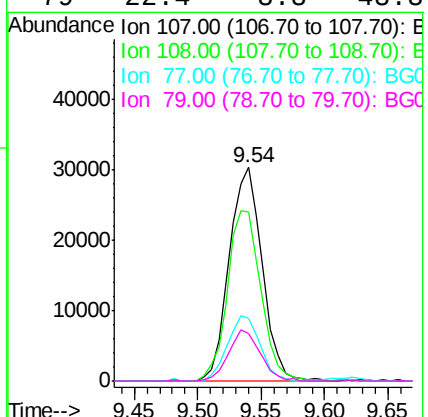
Ion Ratio Lower Upper

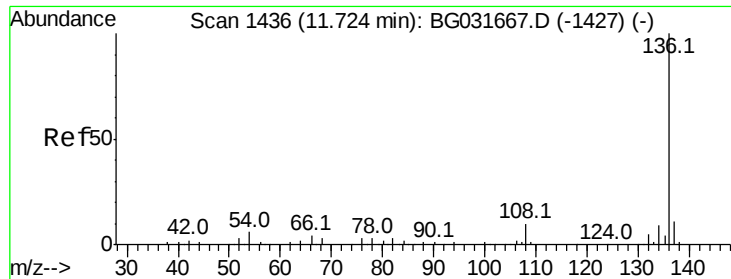
107 100

108 79.2 61.6 101.6

77 29.5 13.9 53.9

79 22.4 8.8 48.8

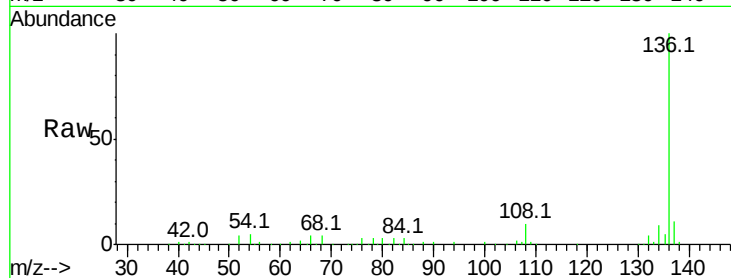




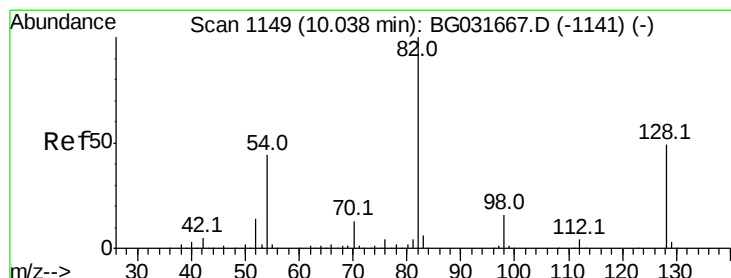
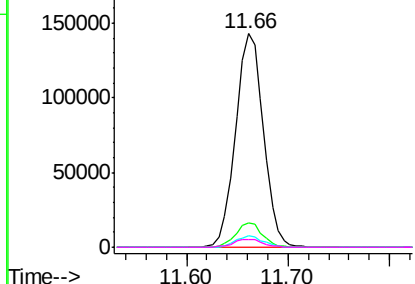
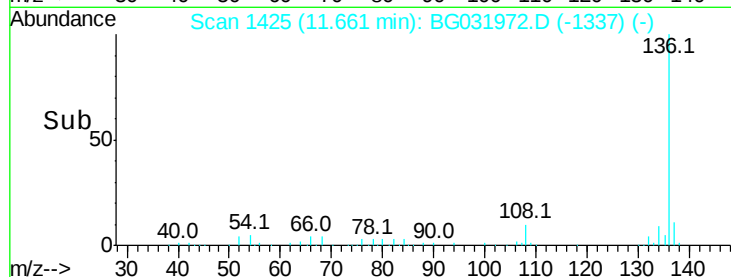
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.66 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BG031972.D
Acq: 10 Jan 2018 8:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	271954
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	5.1	10.3	15.5#
68	3.6	4.5	6.7#

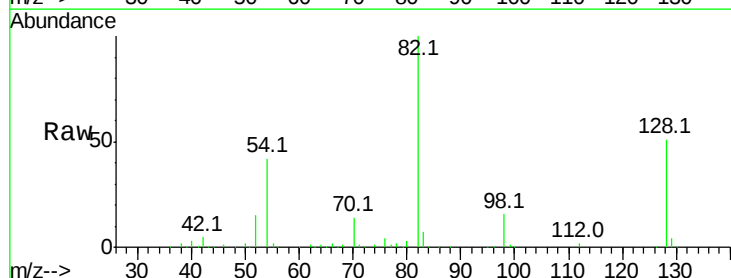


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

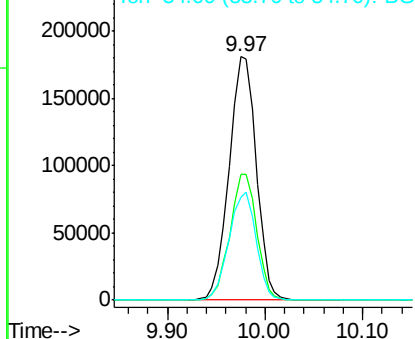
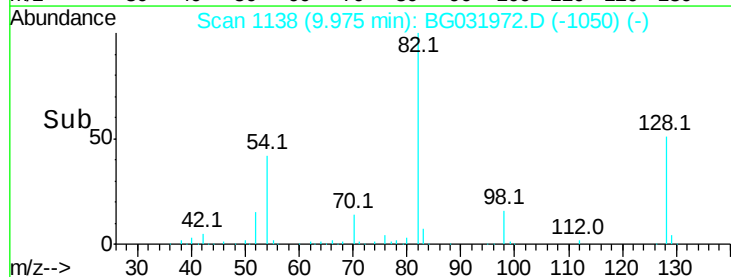


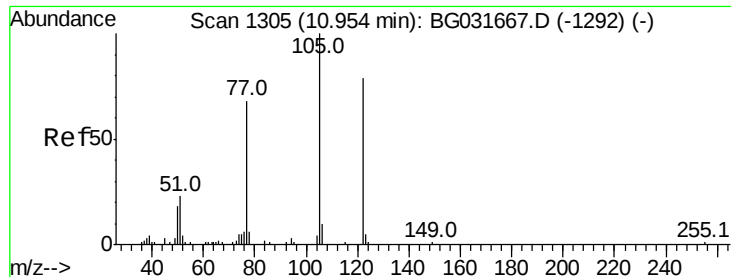
#23
Nitrobenzene-d5
Concen: 97.535 ng
RT: 9.97 min Scan# 1138
Delta R.T. -0.01 min
Lab File: BG031972.D
Acq: 10 Jan 2018 8:18

Tgt Ion:	82	Resp:	351269
Ion	Ratio	Lower	Upper
82	100		
128	51.5	29.7	44.5#
54	42.1	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

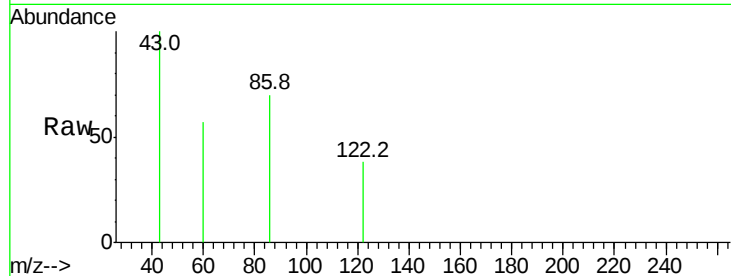




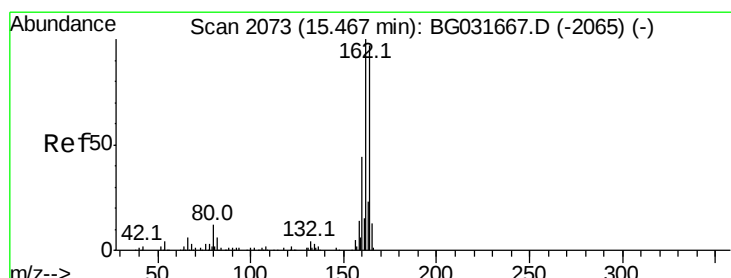
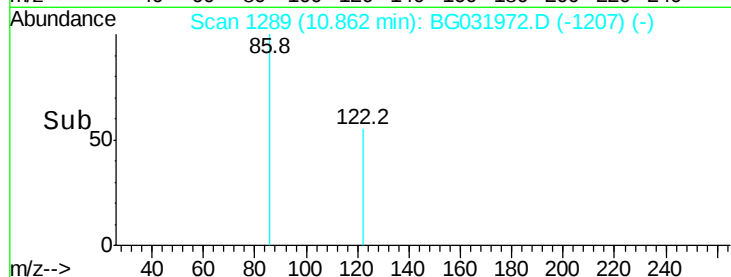
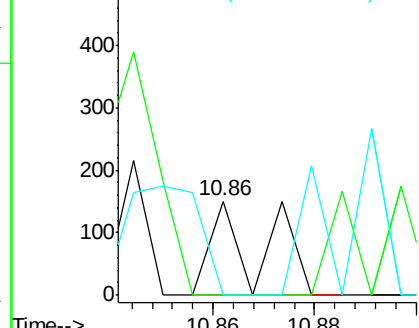
#32
Benzoic acid
Concen: 6.727 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.05 min
Lab File: BG031972.D
Acq: 10 Jan 2018 8:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion:122 Resp: 106
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#

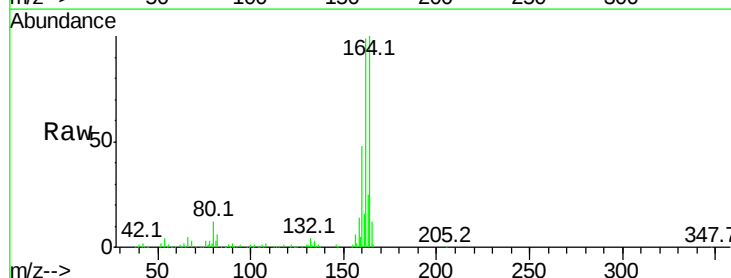


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

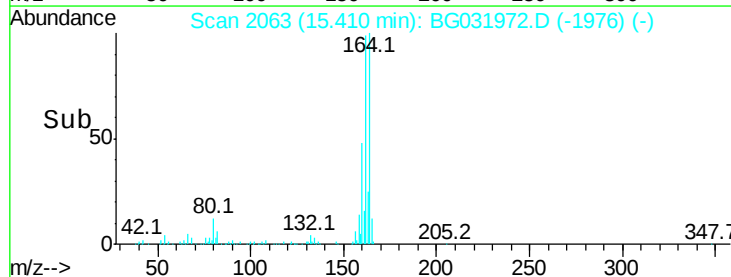
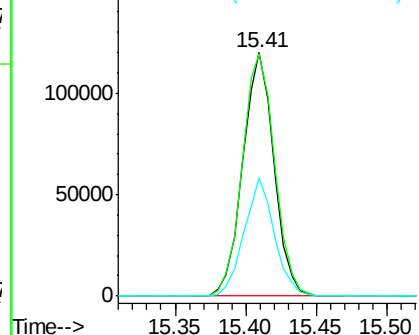


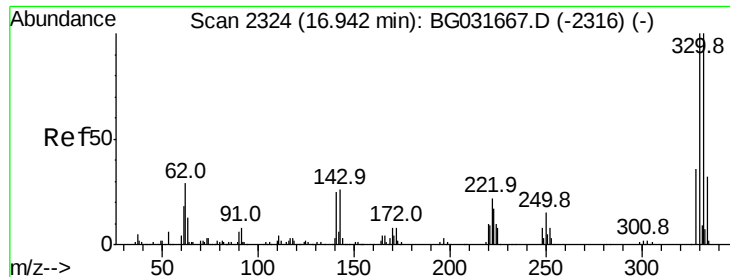
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.41 min Scan# 2063
Delta R.T. -0.02 min
Lab File: BG031972.D
Acq: 10 Jan 2018 8:18

Tgt Ion:164 Resp: 184321
Ion Ratio Lower Upper
164 100
162 99.3 78.8 118.2
160 48.4 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

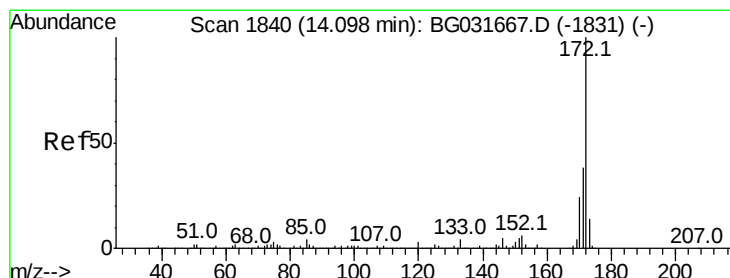
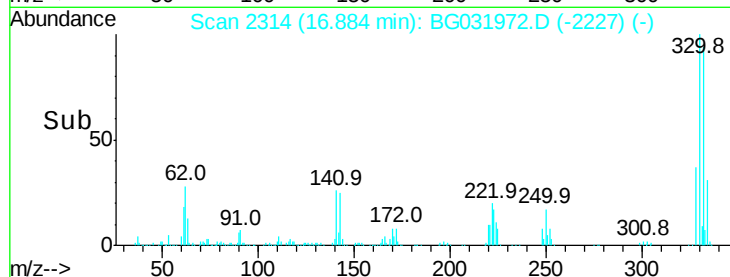
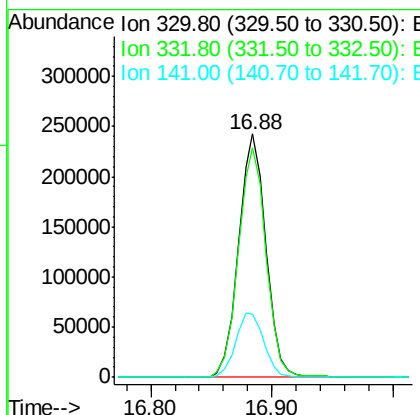
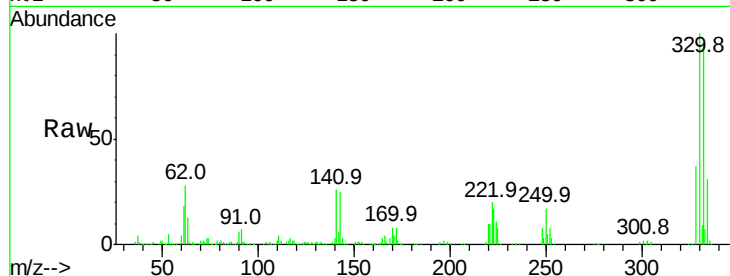




#41
 2,4,6-Tribromophenol
 Concen: 135.630 ng
 RT: 16.88 min Scan# 2314
 Delta R.T. -0.02 min
 Lab File: BG031972.D
 Acq: 10 Jan 2018 8:18

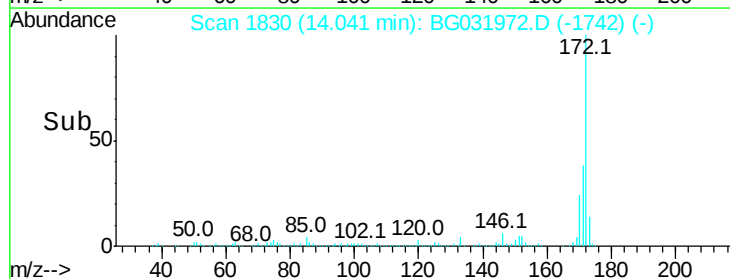
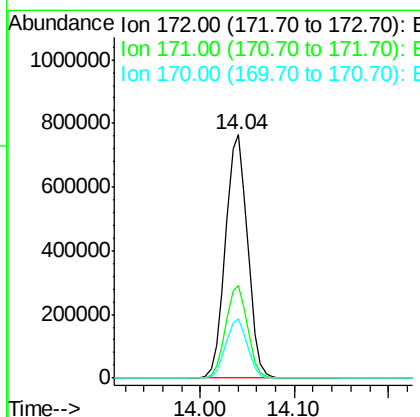
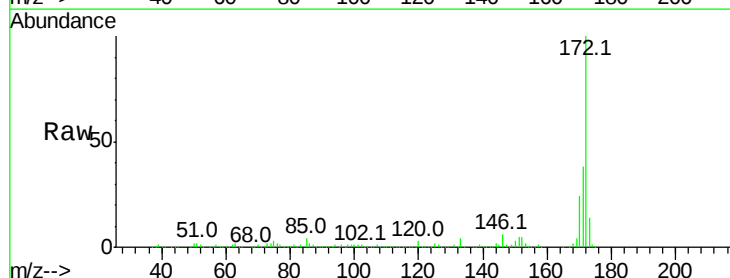
Instrument :
 BNA_G
 ClientSampleId :

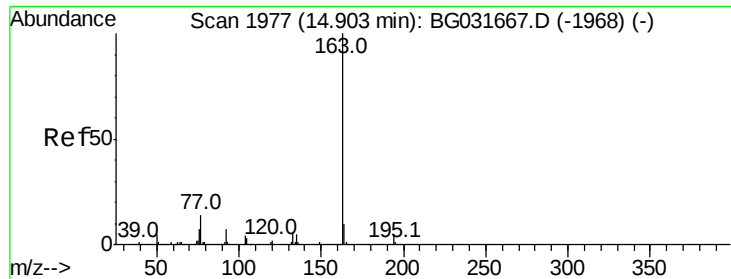
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.0	115.6
141	27.4	25.2	37.8



#44
 2-Fluorobiphenyl
 Concen: 84.822 ng
 RT: 14.04 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BG031972.D
 Acq: 10 Jan 2018 8:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.9	30.0	45.0
170	24.4	19.5	29.3

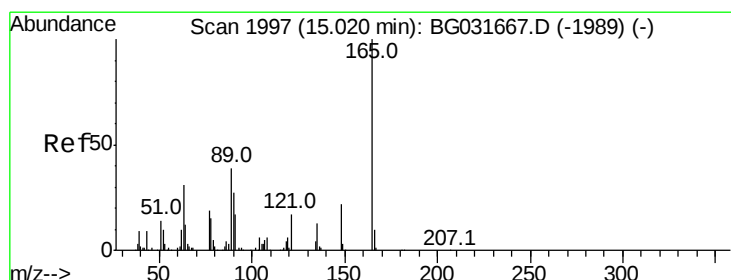
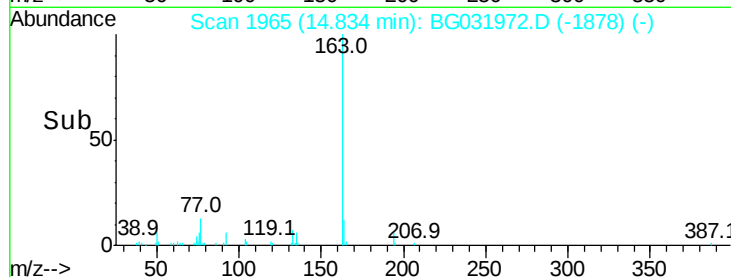
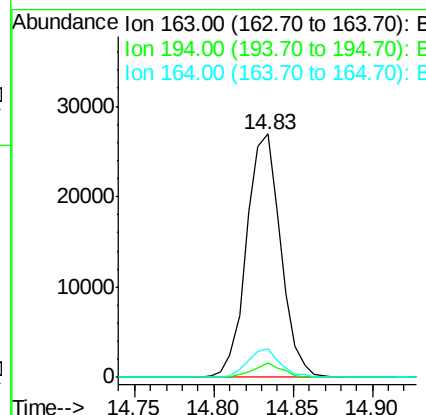
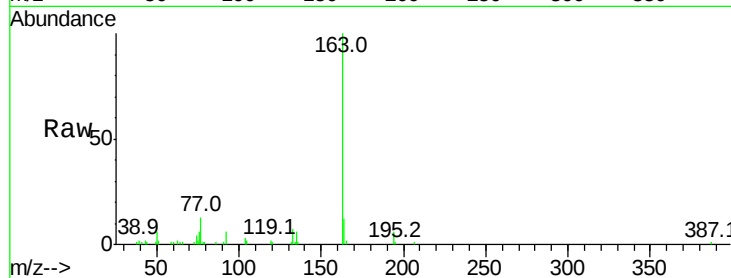




#49
Dimethylphthalate
Concen: 2.478 ng
RT: 14.83 min Scan# 1965
Delta R.T. -0.02 min
Lab File: BG031972.D
Acq: 10 Jan 2018 8:18

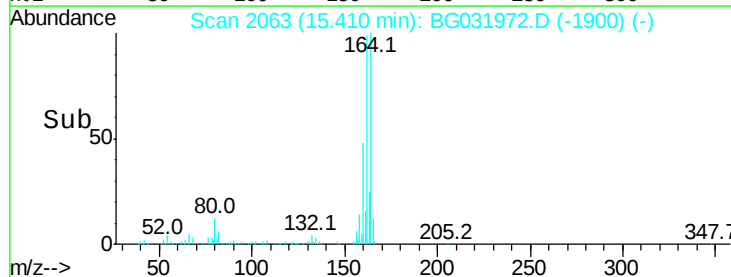
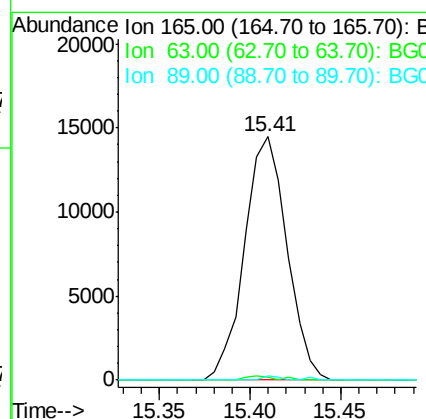
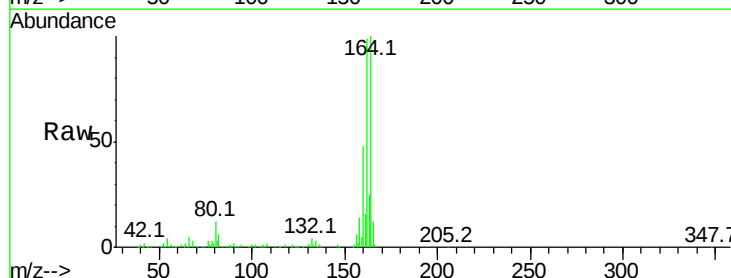
Instrument :
BNA_G
ClientSampleId :

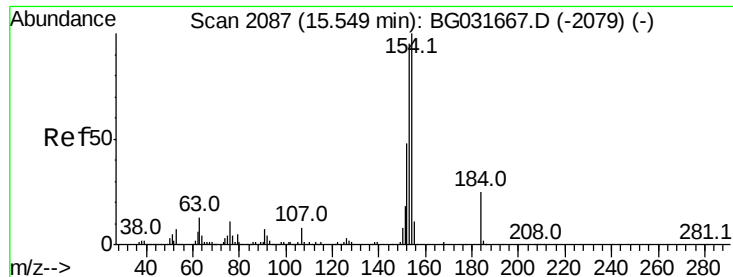
Tot Ion	Ratio	Lower	Upper
163	100		
194	6.2	3.4	5.2#
164	11.9	8.2	12.4



#50
2,6-Dinitrotoluene
Concen: 7.881 ng
RT: 15.41 min Scan# 2063
Delta R.T. 0.43 min
Lab File: BG031972.D
Acq: 10 Jan 2018 8:18

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	52.7	79.1#
89	1.8	49.2	73.8#

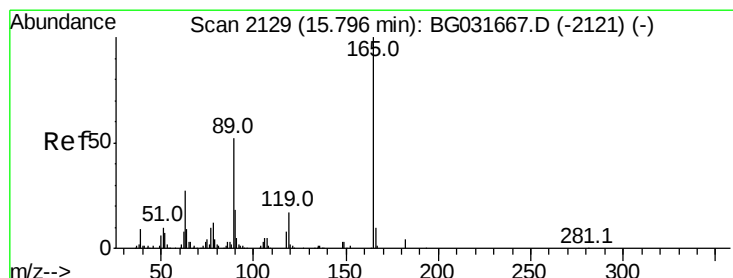
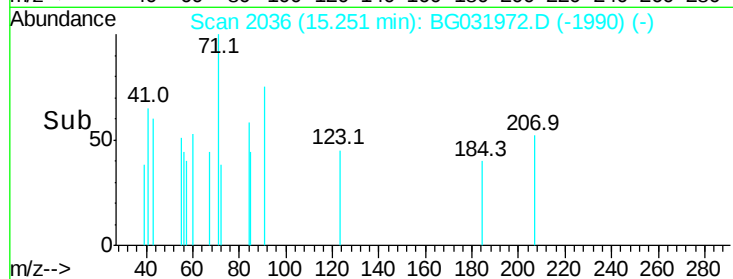
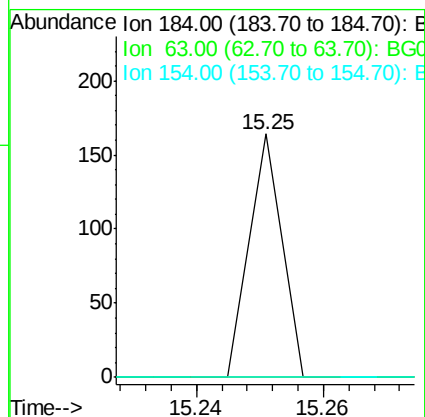
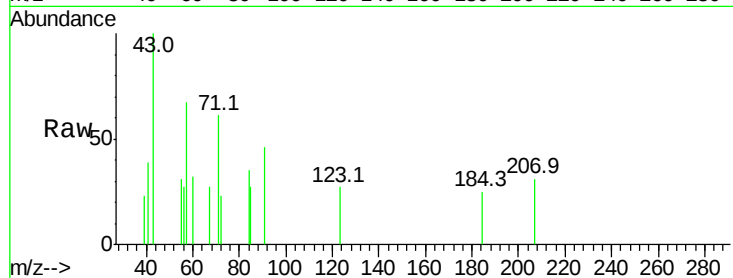




#53
 2,4-Dinitrophenol
 Concen: 7.674 ng
 RT: 15.25 min Scan# 2036
 Delta R.T. -0.26 min
 Lab File: BG031972.D
 Acq: 10 Jan 2018 8:18

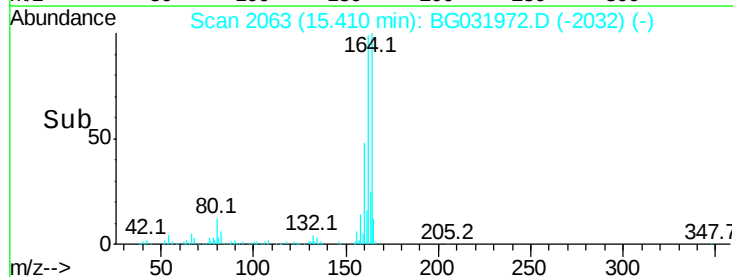
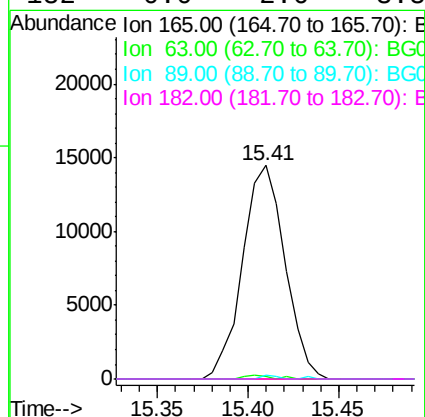
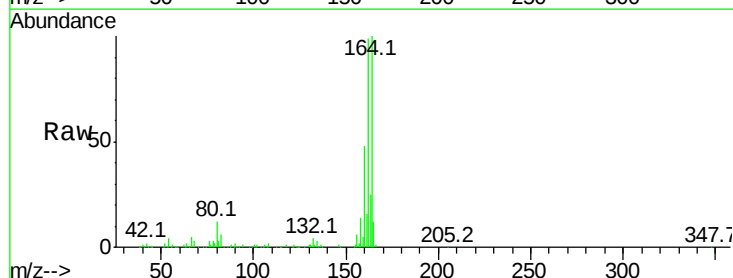
Instrument :
 BNA_G
 ClientSampleId :

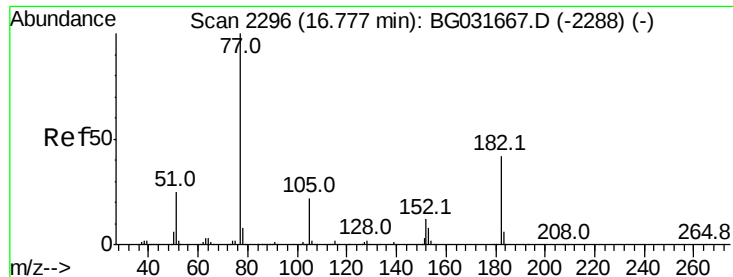
Tot Ion:184 Resp: 58
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#



#56
 2,4-Dinitrotoluene
 Concen: 6.129 ng
 RT: 15.41 min Scan# 2063
 Delta R.T. -0.35 min
 Lab File: BG031972.D
 Acq: 10 Jan 2018 8:18

Tgt Ion:165 Resp: 23542
 Ion Ratio Lower Upper
 165 100
 63 1.1 42.0 63.0#
 89 1.8 66.9 100.3#
 182 0.0 2.6 3.8#





#62

Azobenzene

Concen: 7.337 ng

RT: 16.74 min Scan# 2289

Delta R.T. 0.00 min

Lab File: BG031972.D

Acq: 10 Jan 2018 8:18

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 77 Resp: 74471

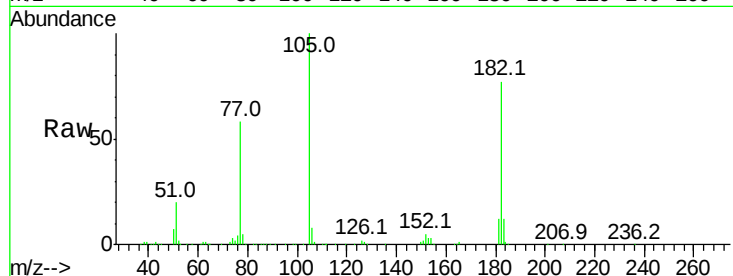
Ion Ratio Lower Upper

77 100

182 132.9 7.4 47.4#

105 173.5 0.3 40.3#

51 34.7 11.6 51.6

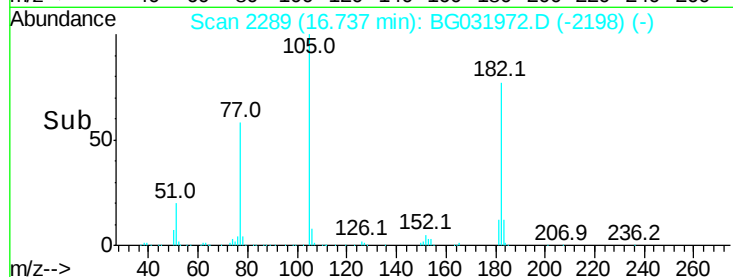


Abundance Ion 77.00 (76.70 to 77.70): BGC

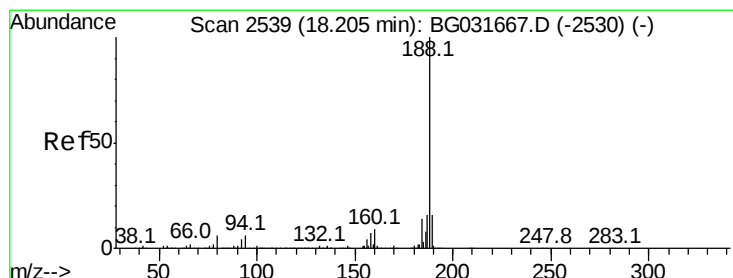
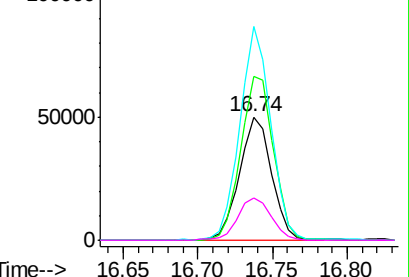
Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



Time-->



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.14 min Scan# 2528

Delta R.T. -0.02 min

Lab File: BG031972.D

Acq: 10 Jan 2018 8:18

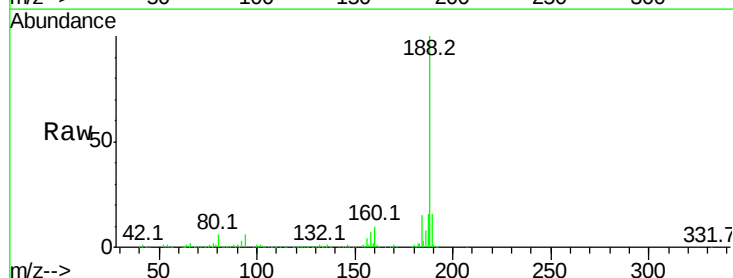
Tgt Ion: 188 Resp: 439816

Ion Ratio Lower Upper

188 100

94 5.6 6.9 10.3#

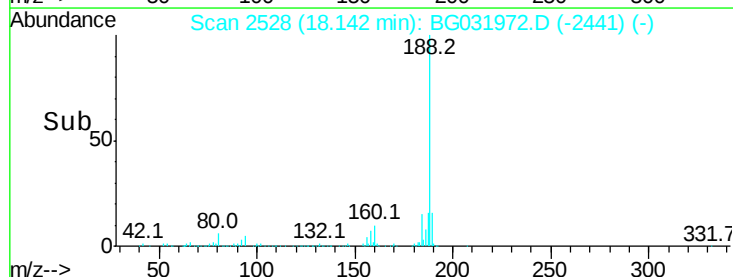
80 5.9 7.7 11.5#



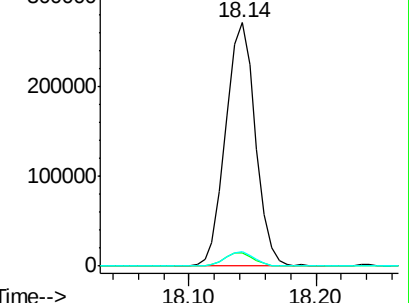
Abundance Ion 188.00 (187.70 to 188.70): BGC

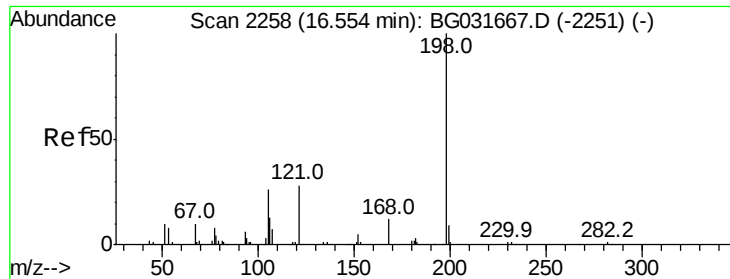
Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



Time-->

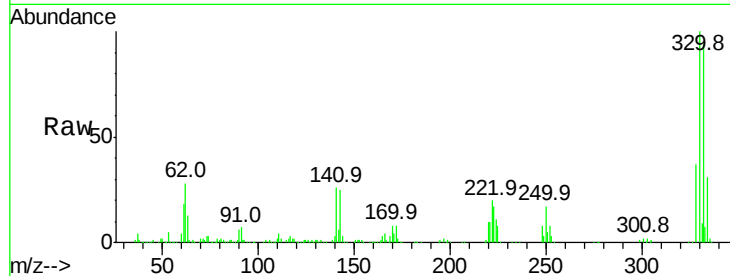




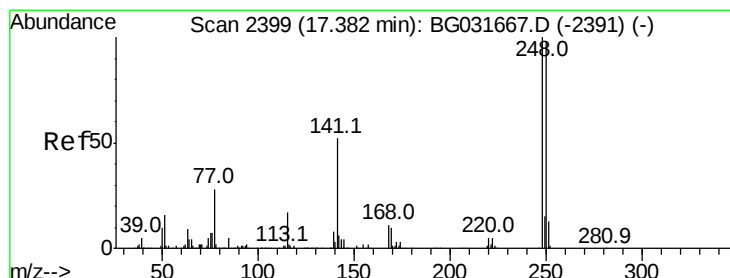
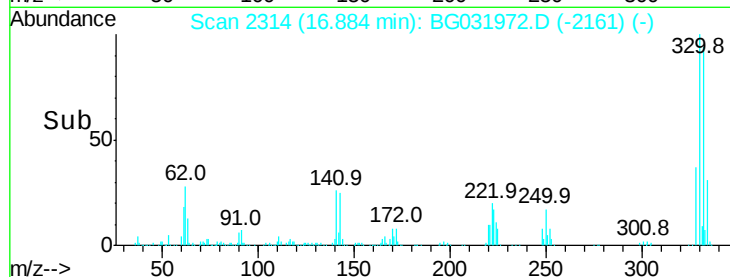
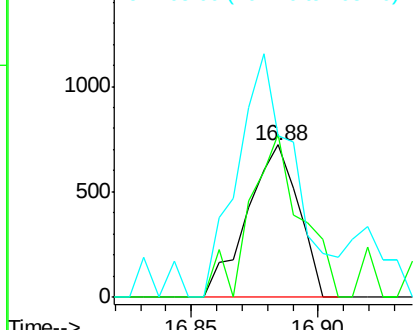
#64
4,6-Dinitro-2-methylphenol
Concen: 8.702 ng
RT: 16.88 min Scan# 2314
Delta R.T. 0.37 min
Lab File: BG031972.D
Acq: 10 Jan 2018 8:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion:198 Resp: 1026
Ion Ratio Lower Upper
198 100
51 106.6 30.6 70.6#
105 105.7 23.8 63.8#

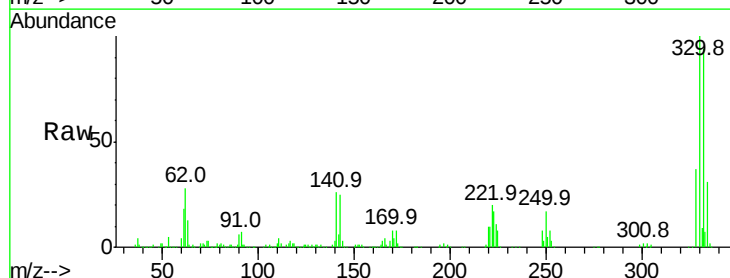


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BGC
Ion 105.00 (104.70 to 105.70): E

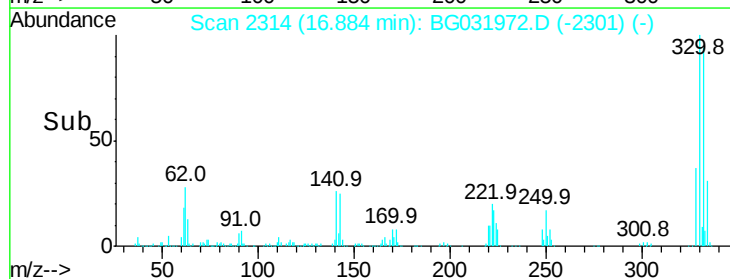
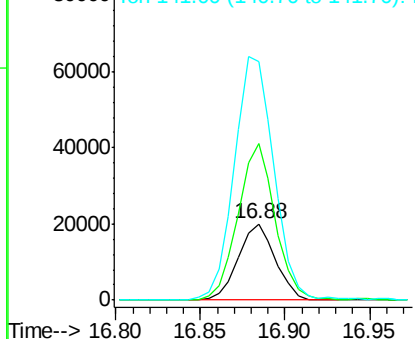


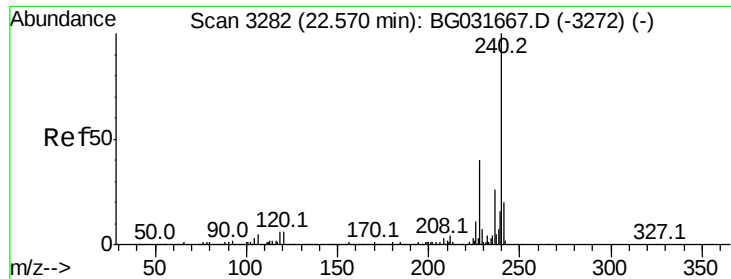
#66
4-Bromophenyl-phenylether
Concen: 4.797 ng
RT: 16.88 min Scan# 2314
Delta R.T. -0.45 min
Lab File: BG031972.D
Acq: 10 Jan 2018 8:18

Tgt Ion:248 Resp: 30512
Ion Ratio Lower Upper
248 100
250 205.6 77.1 115.7#
141 313.2 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: 22.48 min Scan# 3266

Delta R.T. -0.04 min

Lab File: BG031972.D

Acq: 10 Jan 2018 8:18

Instrument :

BNA_G

ClientSampleId :

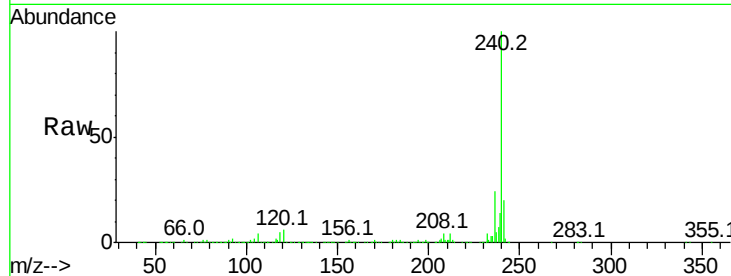
Tot Ion:240 Resp: 507568

Ion Ratio Lower Upper

240 100

120 6.1 6.8 10.2#

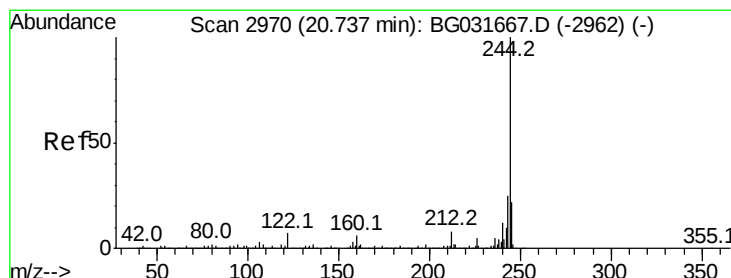
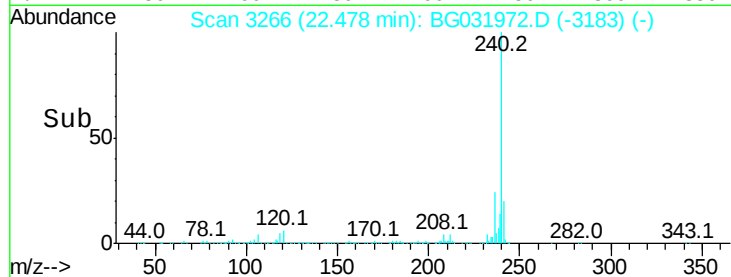
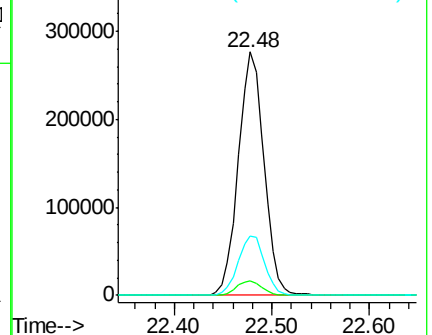
236 24.3 20.9 31.3



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: 90.856 ng

RT: 20.67 min Scan# 2959

Delta R.T. -0.02 min

Lab File: BG031972.D

Acq: 10 Jan 2018 8:18

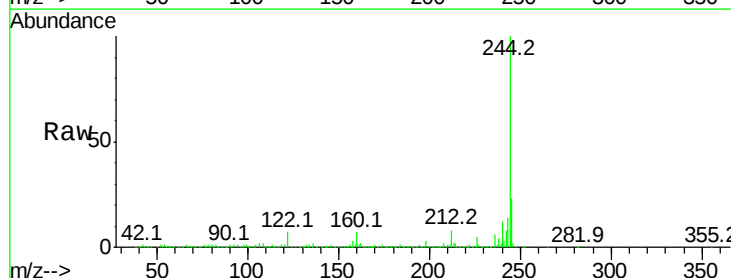
Tgt Ion:244 Resp: 2018504

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.8

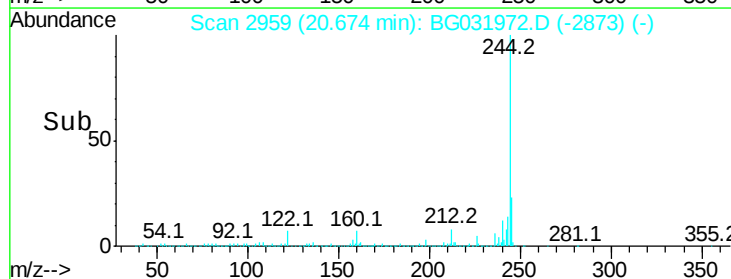
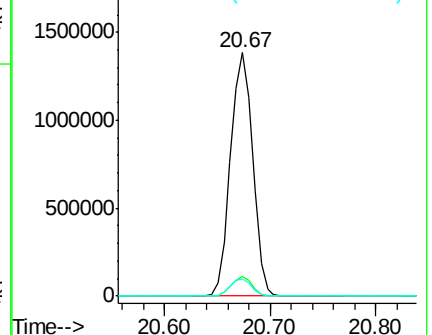
122 7.2 7.0 10.4

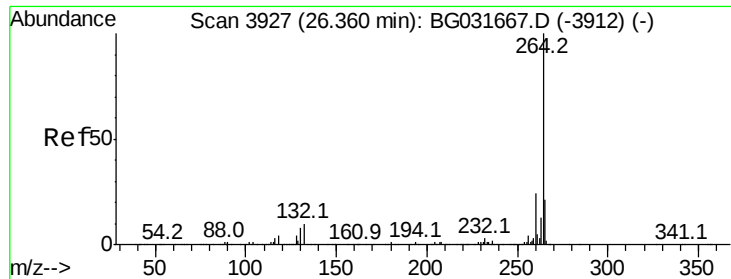


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.20 min Scan# 3900
 Delta R.T. -0.09 min
 Lab File: BG031972.D
 Acq: 10 Jan 2018 8:18

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	17.4	26.0
265	22.2	17.7	26.5

