

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010918\
 Data File : BG031974.D
 Acq On : 10 Jan 2018 9:33
 Operator : SJ/JU
 Sample : J1057-04
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 10 10:07:23 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

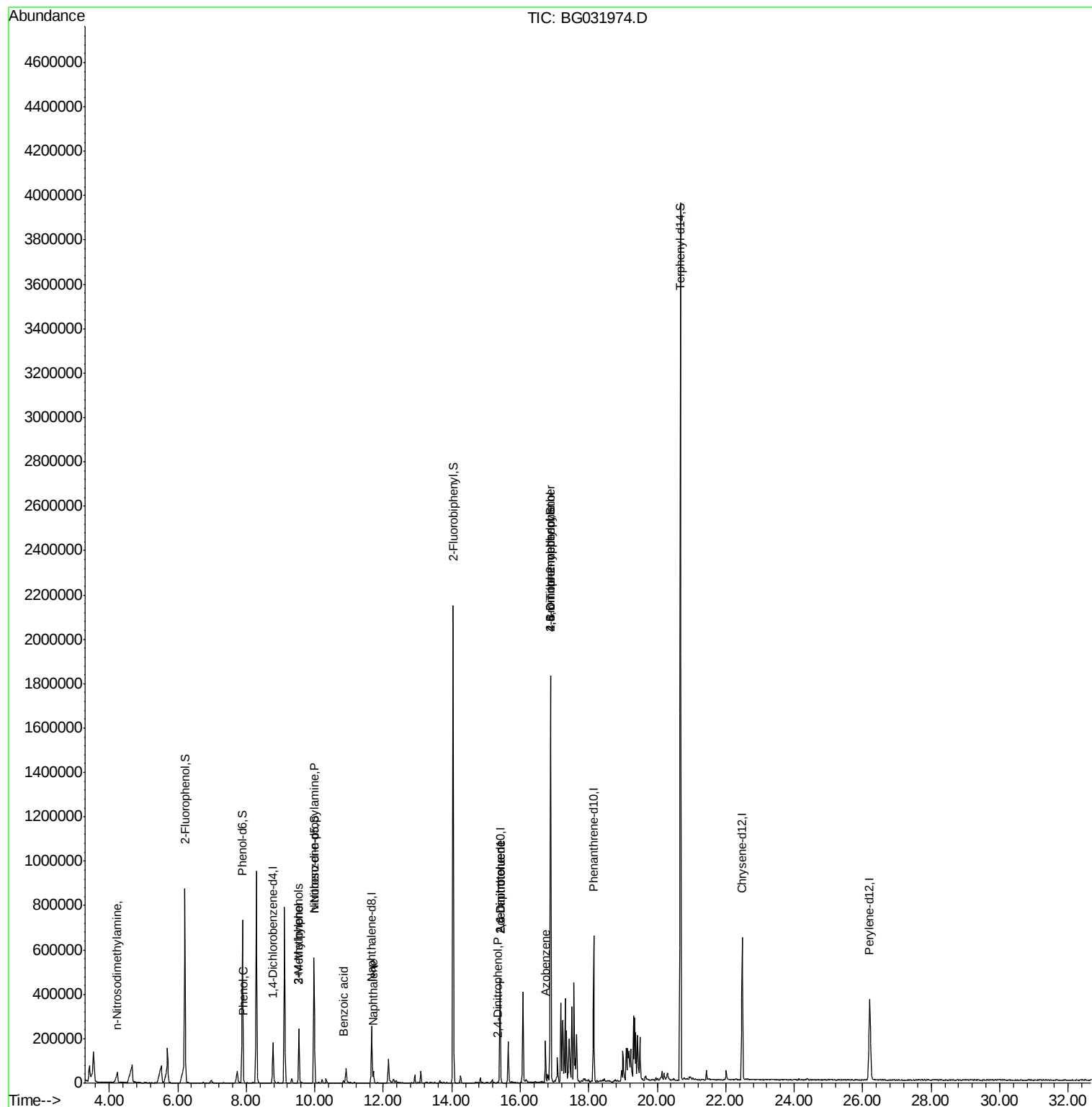
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	62761	20.00	ng	0.00
21) Naphthalene-d8	11.66	136	259359	20.00	ng	-0.01
38) Acenaphthene-d10	15.41	164	181862	20.00	ng	-0.02
63) Phenanthrene-d10	18.14	188	433674	20.00	ng	-0.02
75) Chrysene-d12	22.48	240	500493	20.00	ng	-0.04
86) Perylene-d12	26.20	264	507217	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	6.21	112	429231	124.57	ng	0.00
7) Phenol-d6	7.89	99	511738	114.39	ng	0.00
23) Nitrobenzene-d5	9.98	82	366408	106.68	ng	0.00
41) 2,4,6-Tribromophenol	16.88	330	438443	158.00	ng	-0.02
44) 2-Fluorobiphenyl	14.04	172	1312348	90.57	ng	-0.01
78) Terphenyl-d14	20.67	244	2106005	96.13	ng	-0.03
Target Compounds						
4) n-Nitrosodimethylamine	4.22	42	7543	5.475	ng	Qvalue 11
10) Phenol	7.92	94	14579	3.228	ng	94
17) 2-Methylphenol	9.54	107	128701	39.823	ng	# 68
19) n-Nitroso-di-n-propylamine	9.98	70	49584	16.229	ng	# 66
20) 3+4-Methylphenols	9.54	107	128701	28.020	ng	89
31) Naphthalene	11.71	128	50825	3.883	ng	99
32) Benzoic acid	10.84	122	6265	8.719	ng	# 67
50) 2,6-Dinitrotoluene	15.41	165	23236	7.884	ng	# 20
53) 2,4-Dinitrophenol	15.33	184	68	7.682	ng	# 1
56) 2,4-Dinitrotoluene	15.41	165	23236	6.131	ng	# 18
62) Azobenzene	16.74	77	47528	4.746	ng	# 1
64) 4,6-Dinitro-2-methylphenol	16.88	198	1147	8.755	ng	# 49
66) 4-Bromophenyl-phenylether	16.88	248	34807	5.550	ng	# 1

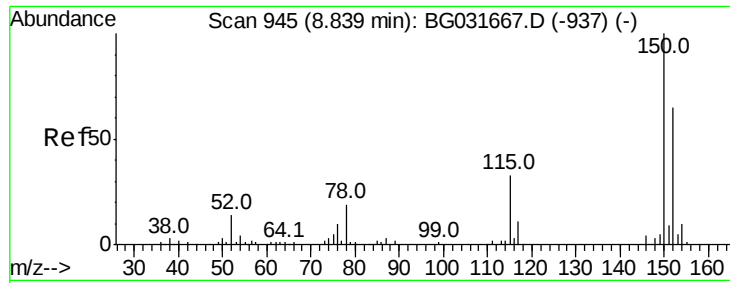
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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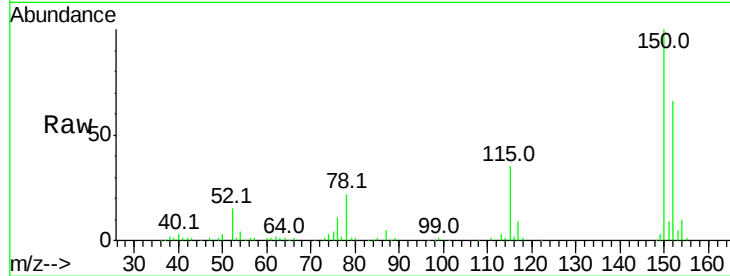


#1

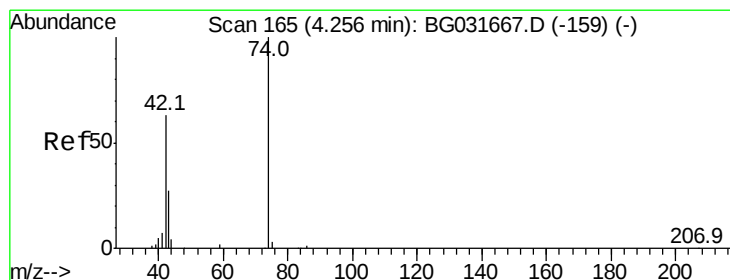
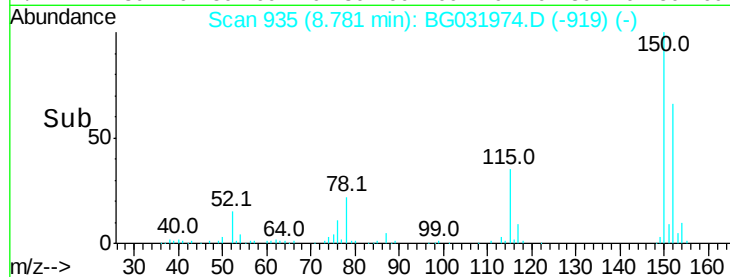
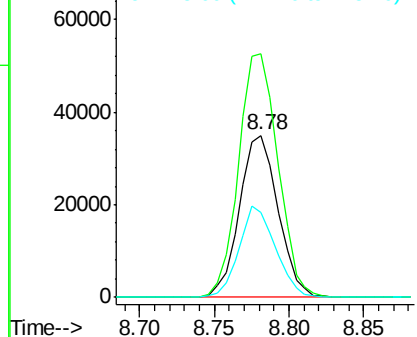
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.78 min Scan# 935
Delta R.T. -0.01 min
Lab File: BG031974.D
Acq: 10 Jan 2018 9:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 62761
Ion Ratio Lower Upper
152 100
150 150.5 126.6 189.8
115 52.7 53.0 79.4#



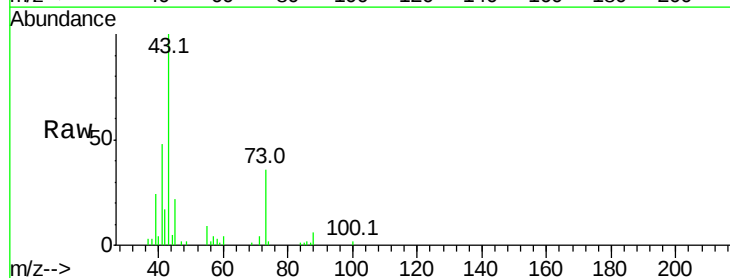
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



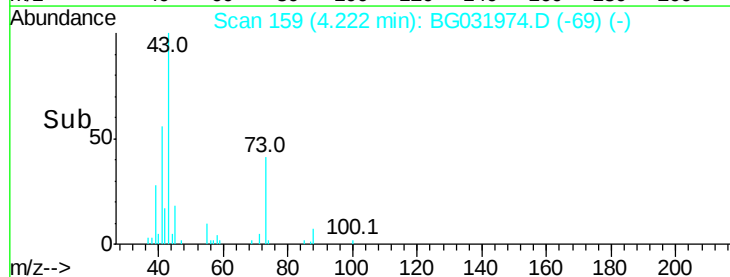
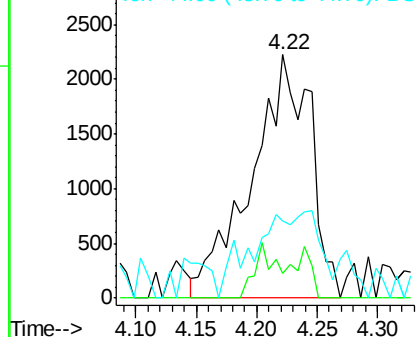
#4

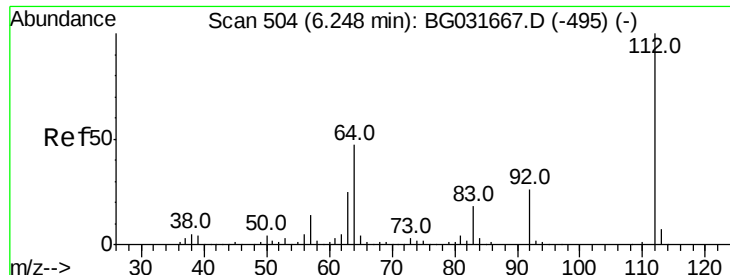
n-Nitrosodimethylamine
Concen: 5.475 ng
RT: 4.22 min Scan# 159
Delta R.T. -0.00 min
Lab File: BG031974.D
Acq: 10 Jan 2018 9:33

Tgt Ion: 42 Resp: 7543
Ion Ratio Lower Upper
42 100
74 10.0 102.5 153.7#
44 31.9 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: 124.567 ng

RT: 6.21 min Scan# 497

Delta R.T. -0.00 min

Lab File: BG031974.D

Acq: 10 Jan 2018 9:33

Instrument :

BNA_G

ClientSampleId :

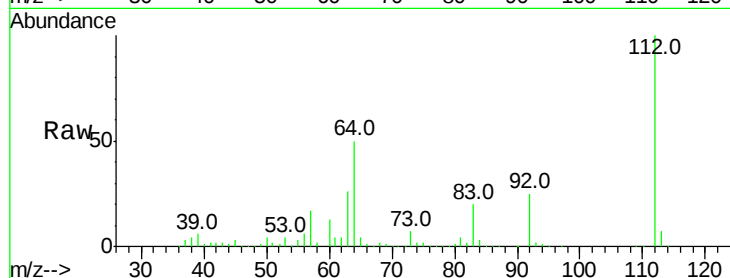
Tot Ion:112 Resp: 429231

Ion Ratio Lower Upper

112 100

64 50.0 56.3 84.5#

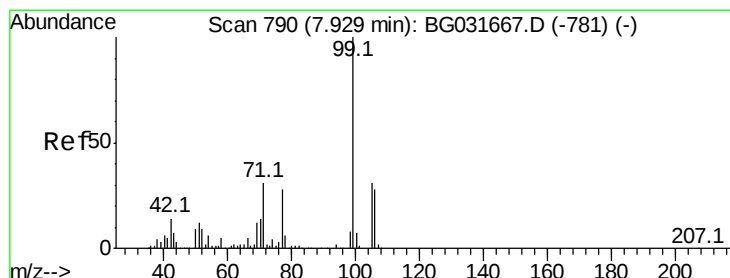
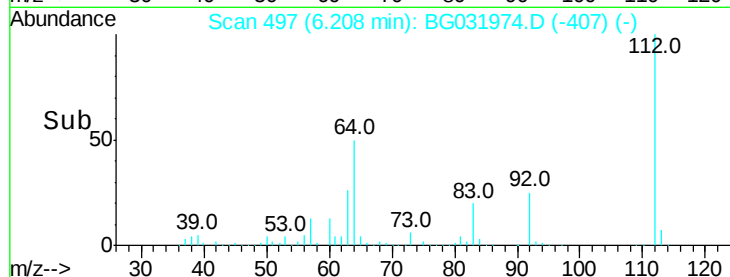
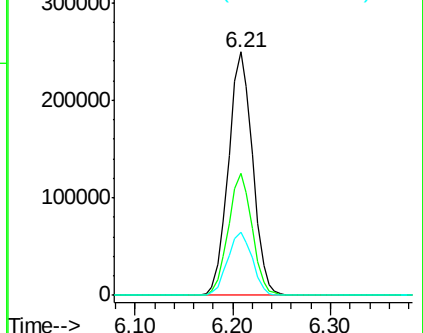
63 26.2 30.1 45.1#



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: 114.386 ng

RT: 7.89 min Scan# 783

Delta R.T. -0.00 min

Lab File: BG031974.D

Acq: 10 Jan 2018 9:33

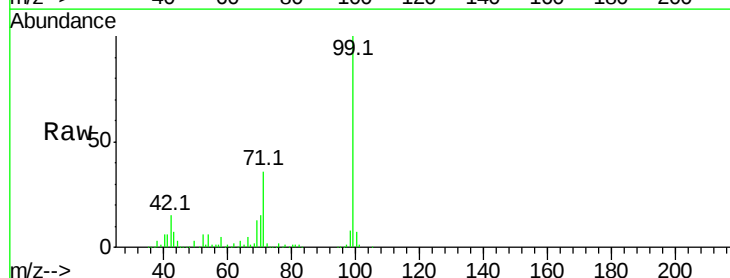
Tgt Ion: 99 Resp: 511738

Ion Ratio Lower Upper

99 100

42 14.9 14.1 21.1

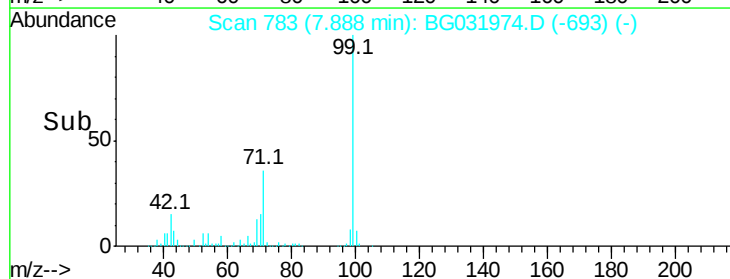
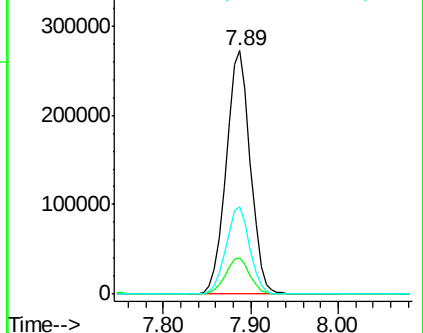
71 36.2 26.1 39.1

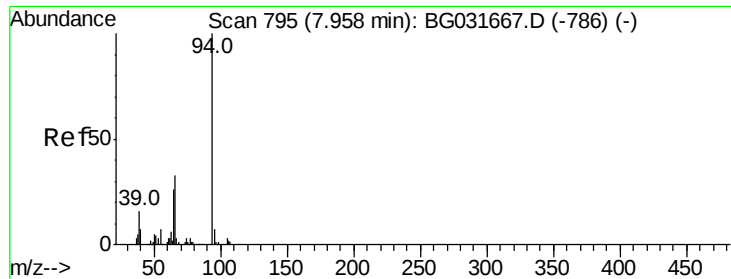


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 3.228 ng

RT: 7.92 min Scan# 788

Delta R.T. -0.00 min

Lab File: BG031974.D

Acq: 10 Jan 2018 9:33

Instrument :

BNA_G

ClientSampleId :

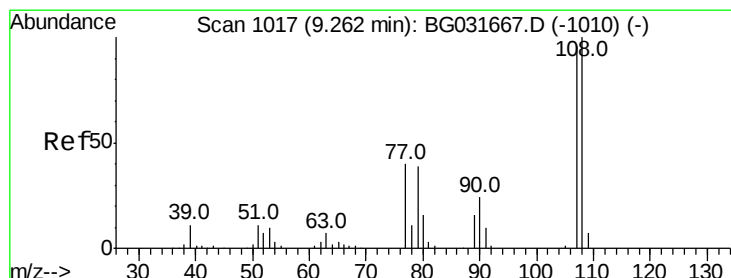
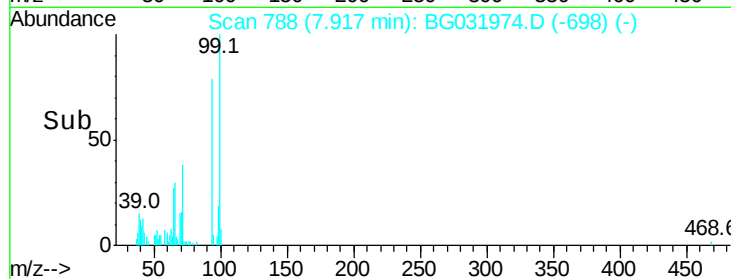
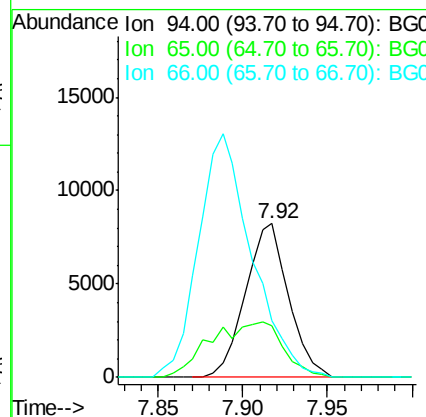
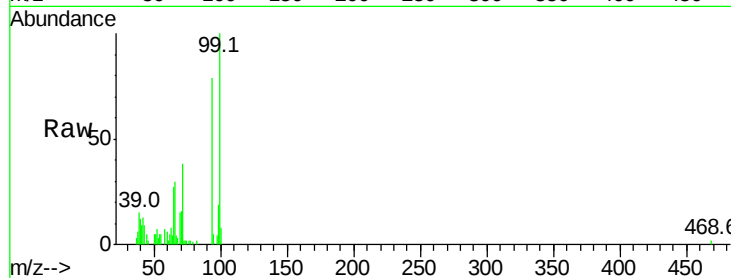
Tot Ion: 94 Resp: 14579

Ion Ratio Lower Upper

94 100

65 33.5 11.9 51.9

66 37.4 22.2 62.2



#17

2-Methylphenol

Concen: 39.823 ng

RT: 9.54 min Scan# 1064

Delta R.T. 0.32 min

Lab File: BG031974.D

Acq: 10 Jan 2018 9:33

Tgt Ion: 107 Resp: 128701

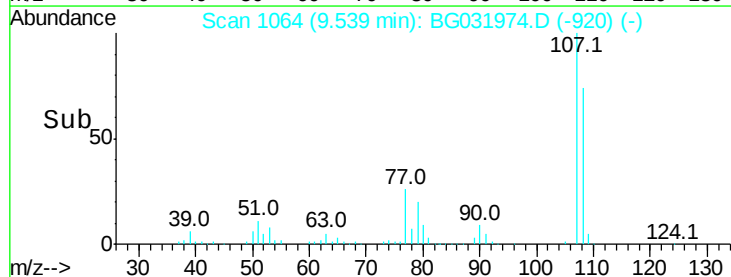
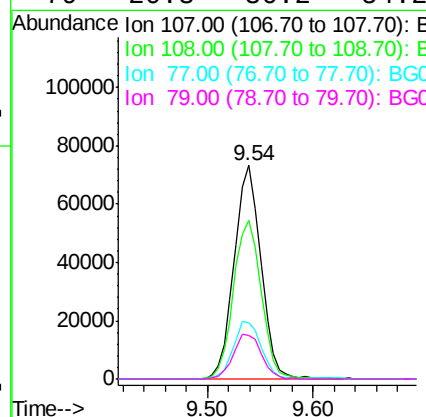
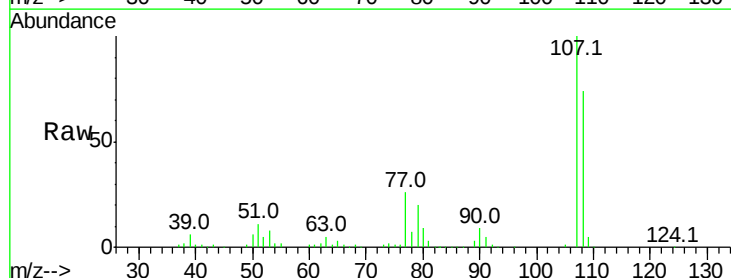
Ion Ratio Lower Upper

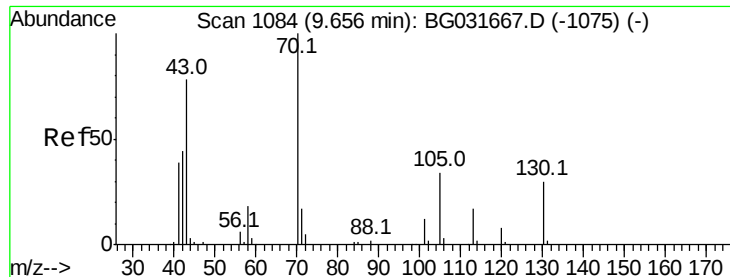
107 100

108 74.2 83.9 125.9#

77 26.2 37.2 55.8#

79 20.3 36.2 54.2#

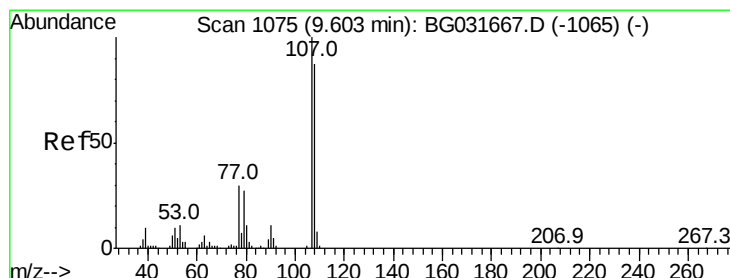
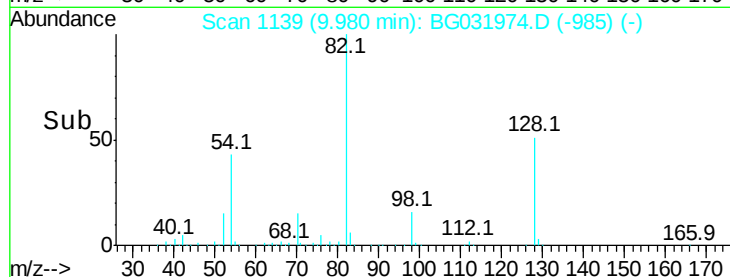
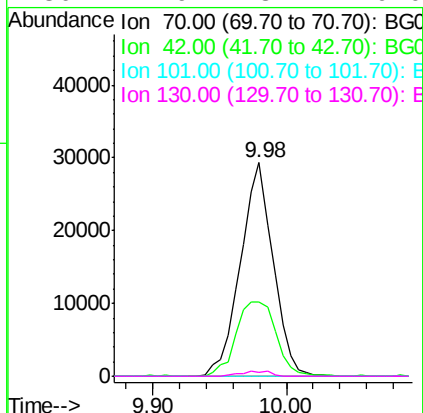
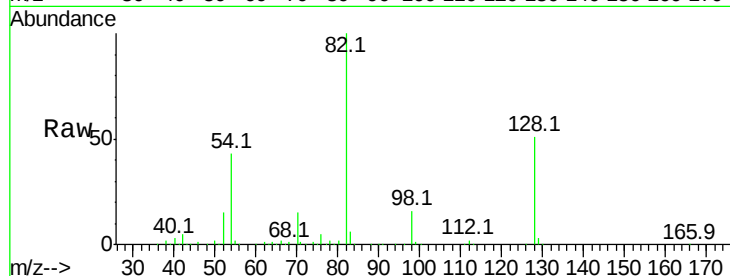




#19
n-Nitroso-di-n-propylamine
Concen: 16.229 ng
RT: 9.98 min Scan# 1139
Delta R.T. 0.37 min
Lab File: BG031974.D
Acq: 10 Jan 2018 9:33

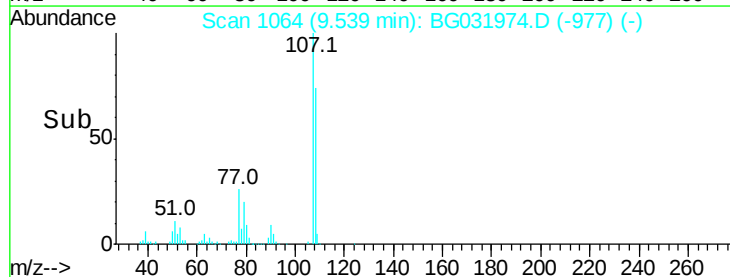
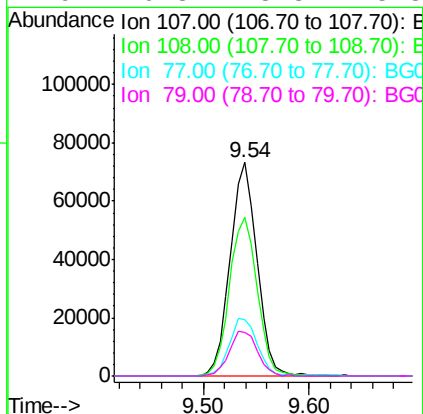
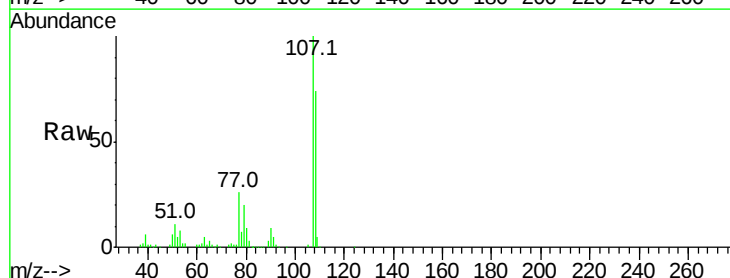
Instrument :
BNA_G
ClientSampleId :

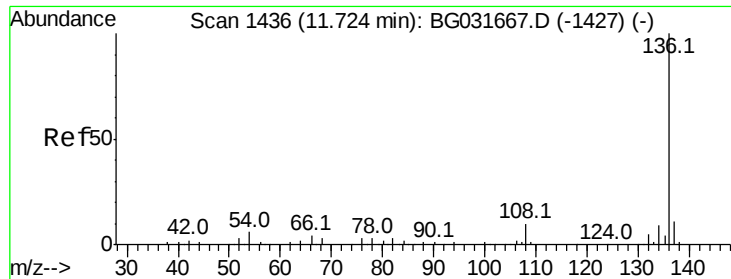
Tot Ion: 70 Resp: 49584
Ion Ratio Lower Upper
70 100
42 34.9 49.1 73.7#
101 0.0 8.5 12.7#
130 1.9 13.4 20.0#



#20
3+4-Methylphenols
Concen: 28.020 ng
RT: 9.54 min Scan# 1064
Delta R.T. -0.02 min
Lab File: BG031974.D
Acq: 10 Jan 2018 9:33

Tgt Ion:107 Resp: 128701
Ion Ratio Lower Upper
107 100
108 74.2 61.6 101.6
77 26.2 13.9 53.9
79 20.3 8.8 48.8

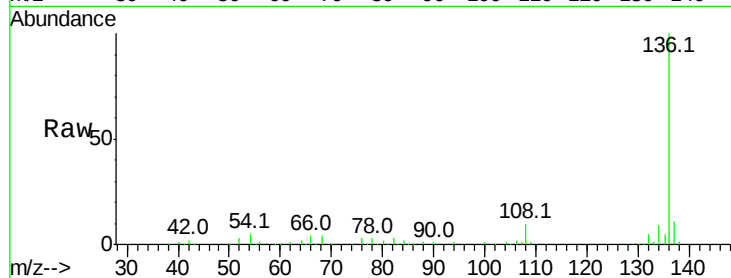




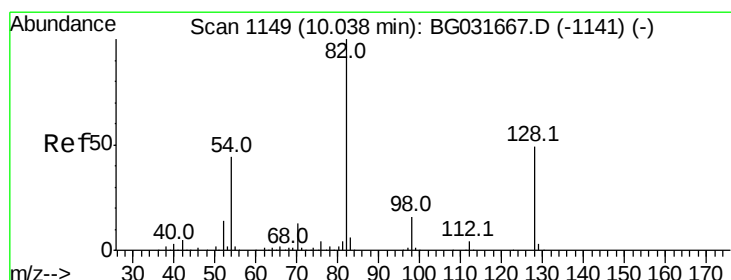
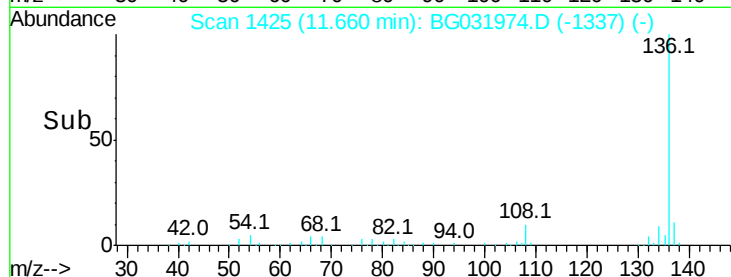
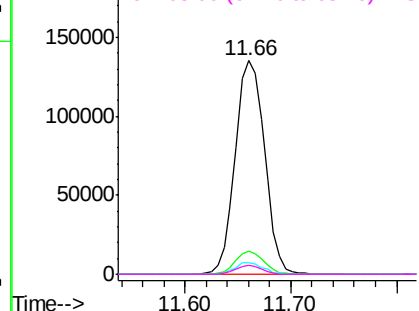
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.66 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BG031974.D
Acq: 10 Jan 2018 9:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	259359
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	5.2	10.3	15.5#
68	4.2	4.5	6.7#

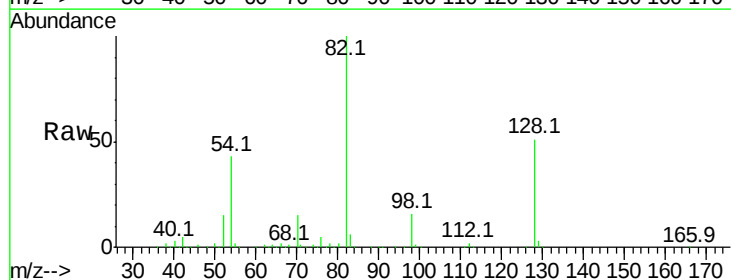


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

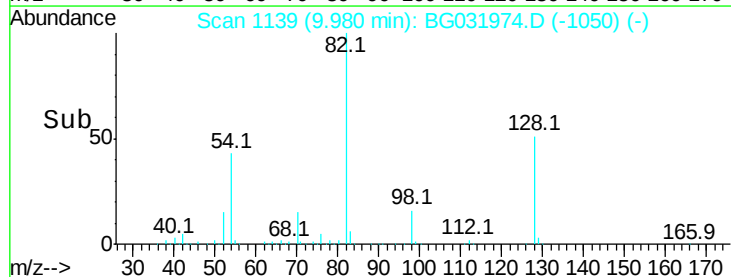
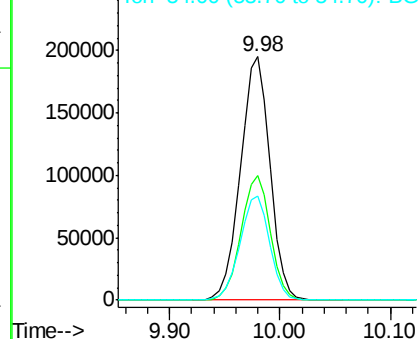


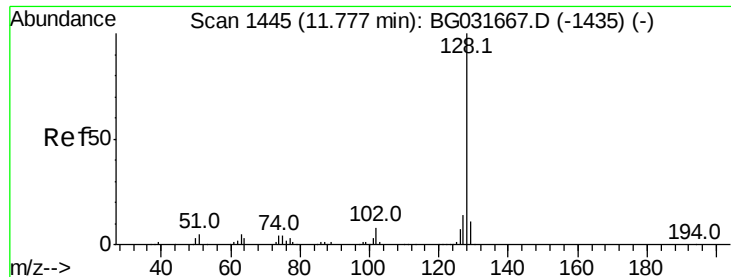
#23
Nitrobenzene-d5
Concen: 106.679 ng
RT: 9.98 min Scan# 1139
Delta R.T. -0.01 min
Lab File: BG031974.D
Acq: 10 Jan 2018 9:33

Tgt Ion:	82	Resp:	366408
Ion	Ratio	Lower	Upper
82	100		
128	51.2	29.7	44.5#
54	42.6	43.1	64.7#



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

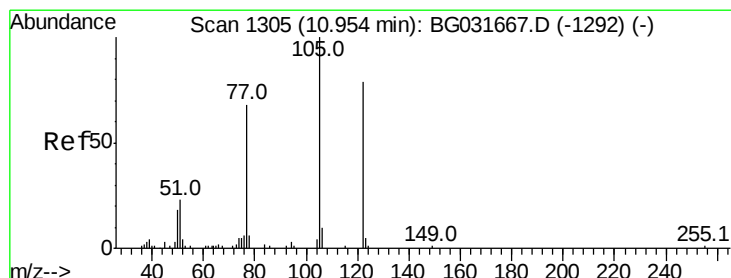
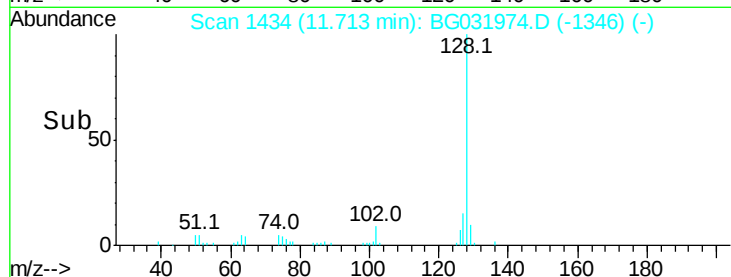
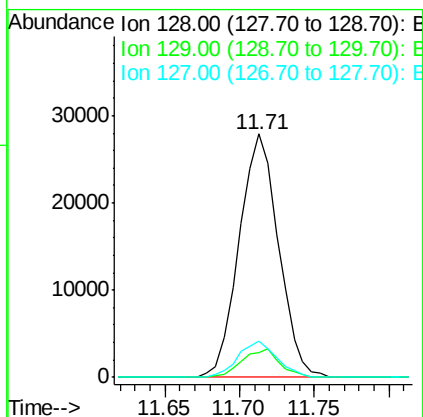
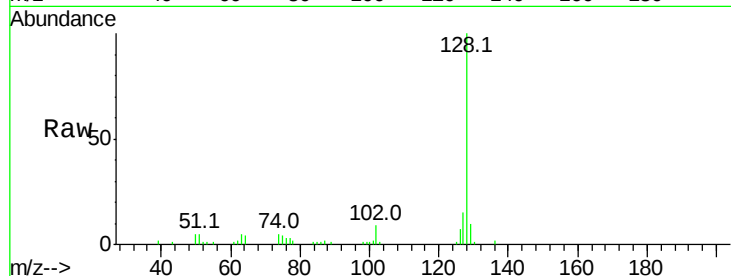




#31
Naphthalene
Concen: 3.883 ng
RT: 11.71 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BG031974.D
Acq: 10 Jan 2018 9:33

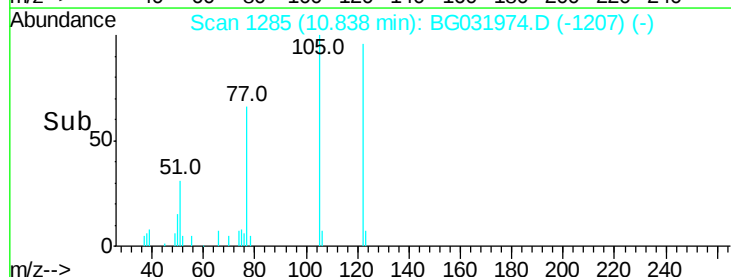
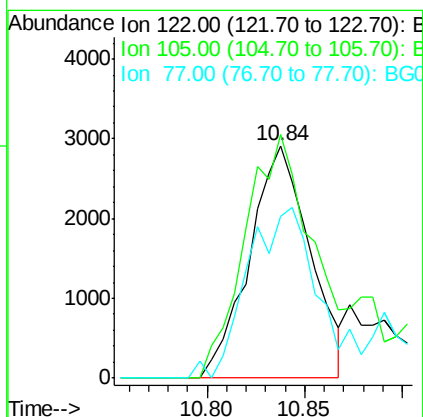
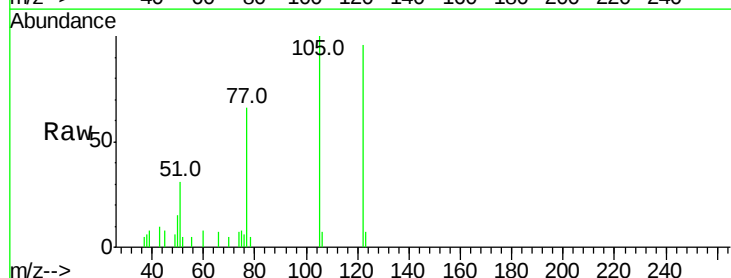
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BNA_G
ClientSampleId :

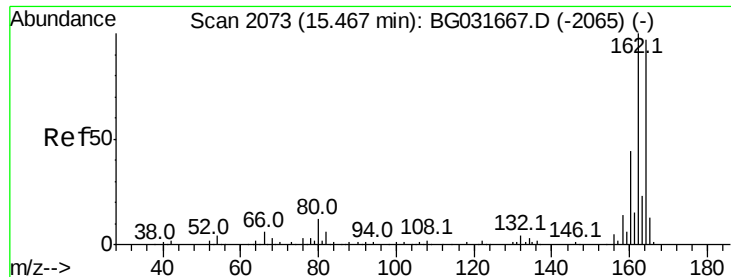
Tot Ion:128 Resp: 50825
Ion Ratio Lower Upper
128 100
129 10.4 8.6 12.8
127 14.9 11.6 17.4



#32
Benzoic acid
Concen: 8.719 ng
RT: 10.84 min Scan# 1285
Delta R.T. -0.07 min
Lab File: BG031974.D
Acq: 10 Jan 2018 9:33

Tgt Ion:122 Resp: 6265
Ion Ratio Lower Upper
122 100
105 104.7 123.5 163.5#
77 69.4 85.7 125.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.41 min Scan# 2063

Delta R.T. -0.02 min

Lab File: BG031974.D

Acq: 10 Jan 2018 9:33

Instrument :

BNA_G

ClientSampleId :

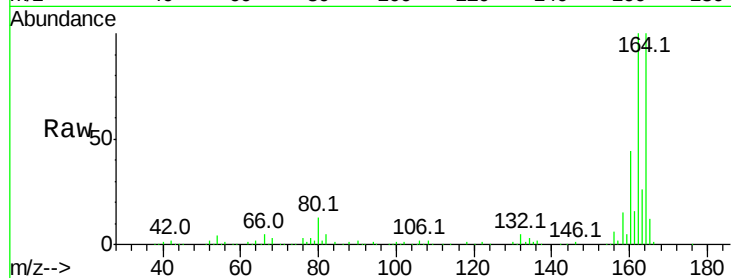
Tot Ion:164 Resp: 181862

Ion Ratio Lower Upper

164 100

162 100.3 78.8 118.2

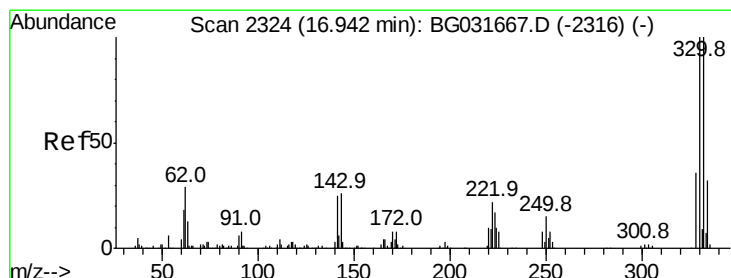
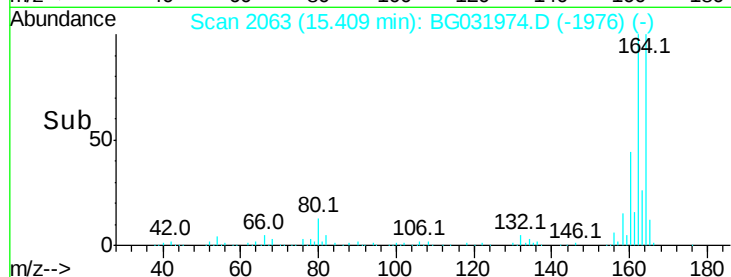
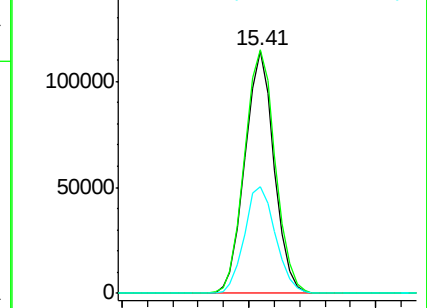
160 44.0 35.4 53.0



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: 158.000 ng

RT: 16.88 min Scan# 2314

Delta R.T. -0.02 min

Lab File: BG031974.D

Acq: 10 Jan 2018 9:33

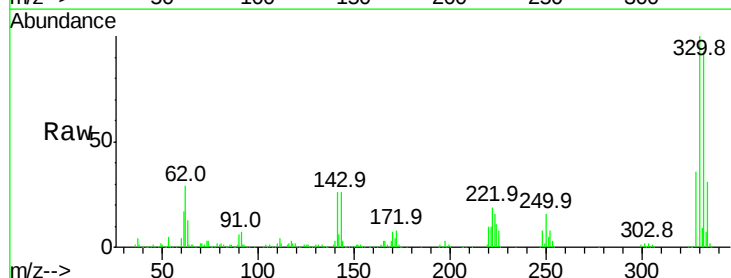
Tgt Ion:330 Resp: 438443

Ion Ratio Lower Upper

330 100

332 96.1 77.0 115.6

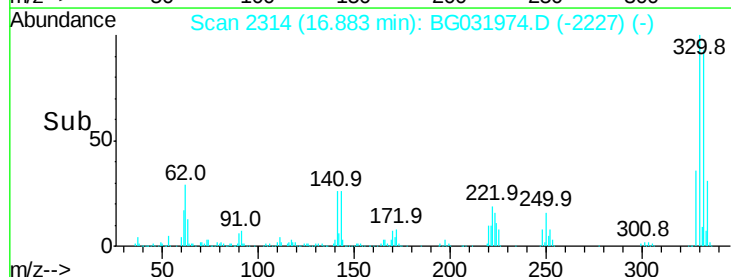
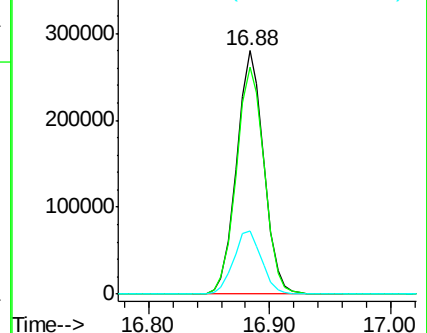
141 26.8 25.2 37.8

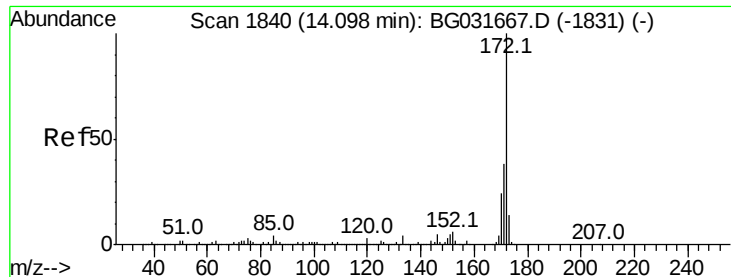


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

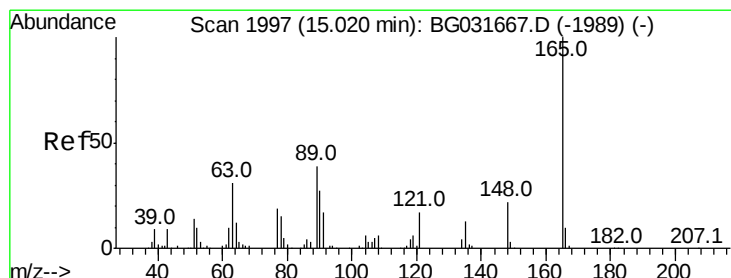
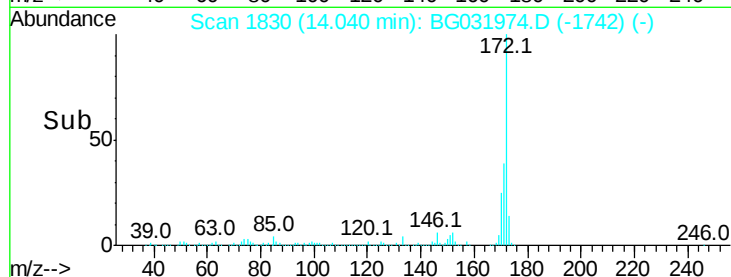
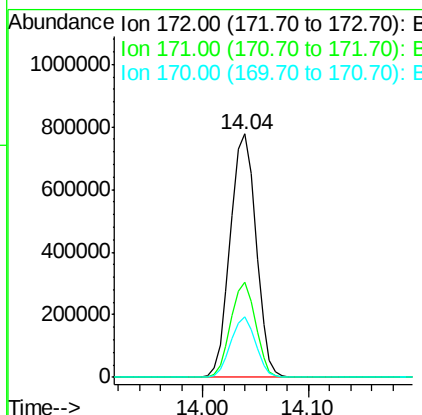
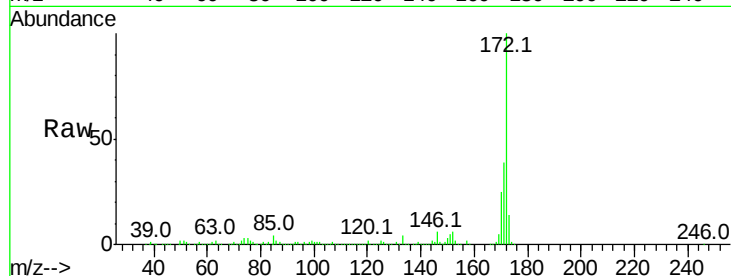




#44
2-Fluorobiphenyl
Concen: 90.573 ng
RT: 14.04 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BG031974.D
Acq: 10 Jan 2018 9:33

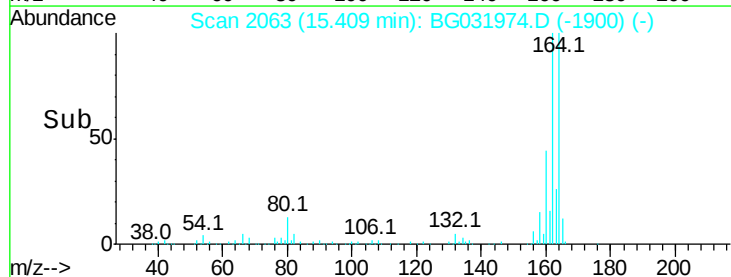
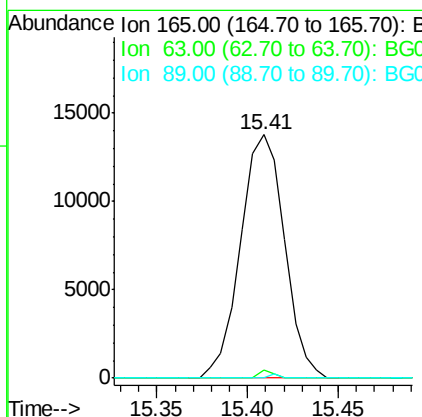
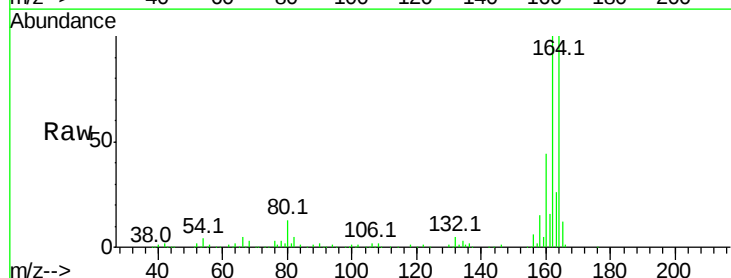
Instrument :
BNA_G
ClientSampled :

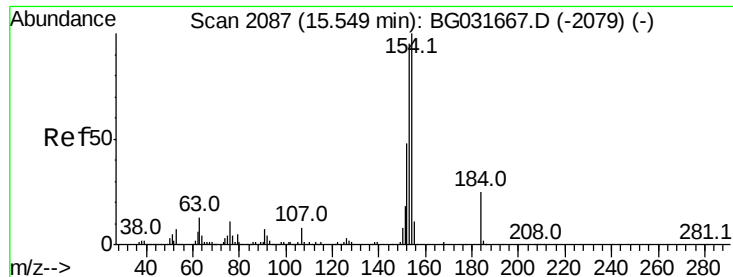
Tot Ion:172 Resp: 1312348
Ion Ratio Lower Upper
172 100
171 38.9 30.0 45.0
170 24.8 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.884 ng
RT: 15.41 min Scan# 2063
Delta R.T. 0.43 min
Lab File: BG031974.D
Acq: 10 Jan 2018 9:33

Tgt Ion:165 Resp: 23236
Ion Ratio Lower Upper
165 100
63 3.1 52.7 79.1#
89 0.0 49.2 73.8#

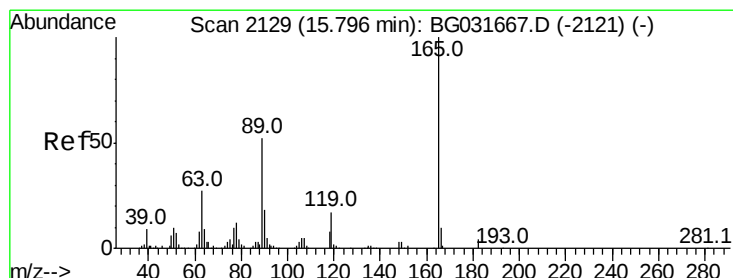
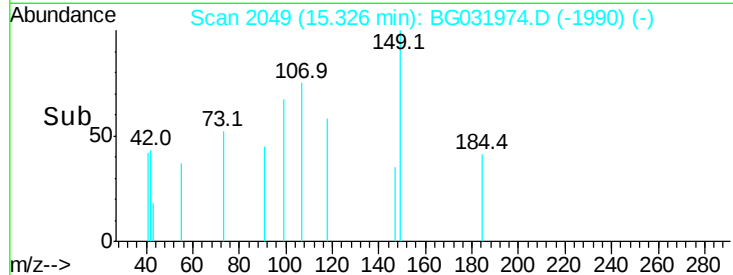
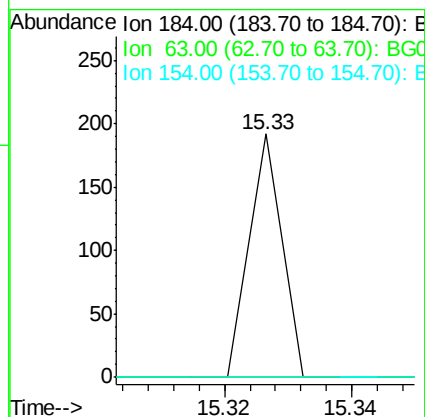
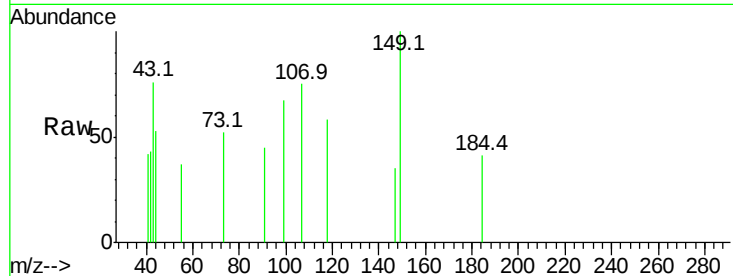




#53
 2,4-Dinitrophenol
 Concen: 7.682 ng
 RT: 15.33 min Scan# 2049
 Delta R.T. -0.18 min
 Lab File: BG031974.D
 Acq: 10 Jan 2018 9:33

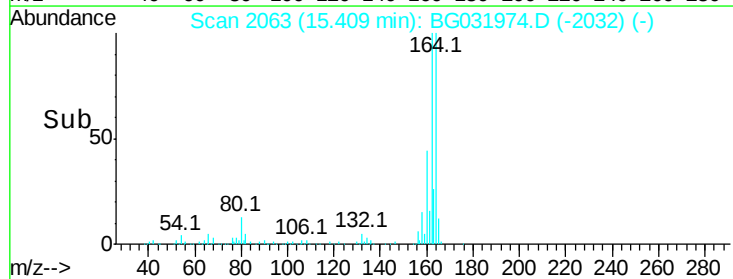
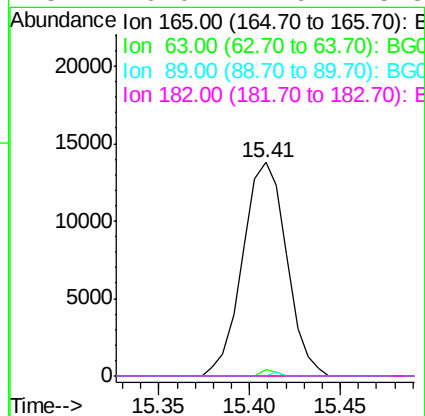
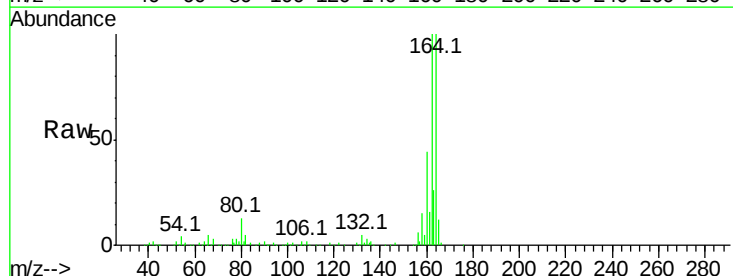
Instrument :
 BNA_G
 ClientSampled :

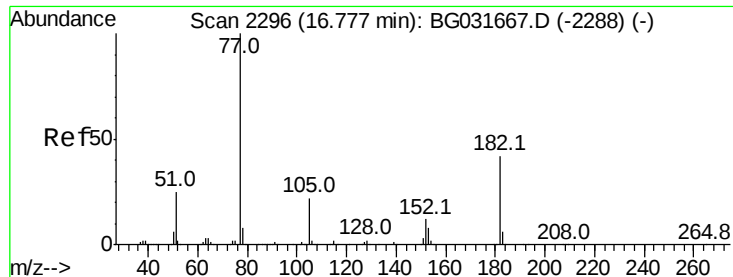
Tot Ion:184 Resp: 68
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#



#56
 2,4-Dinitrotoluene
 Concen: 6.131 ng
 RT: 15.41 min Scan# 2063
 Delta R.T. -0.35 min
 Lab File: BG031974.D
 Acq: 10 Jan 2018 9:33

Tgt Ion:165 Resp: 23236
 Ion Ratio Lower Upper
 165 100
 63 3.1 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#





#62

Azobenzene

Concen: 4.746 ng

RT: 16.74 min Scan# 2289

Delta R.T. 0.00 min

Lab File: BG031974.D

Acq: 10 Jan 2018 9:33

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 77 Resp: 47528

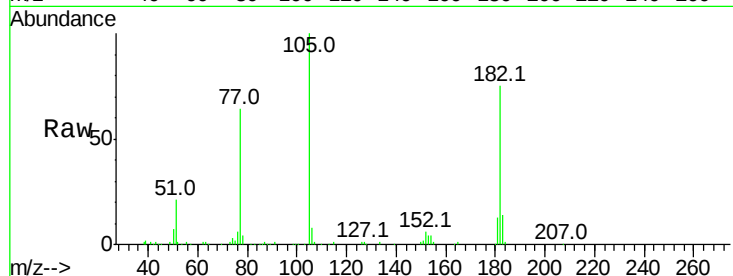
Ion Ratio Lower Upper

77 100

182 118.2 7.4 47.4#

105 157.1 0.3 40.3#

51 33.1 11.6 51.6

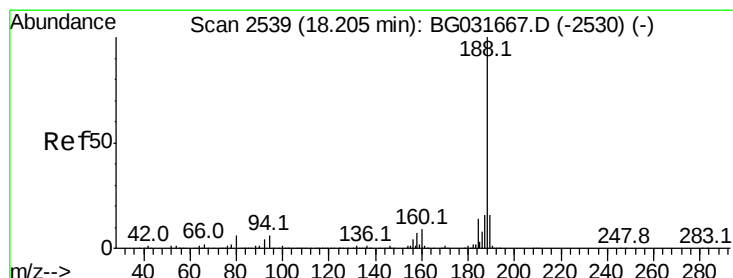
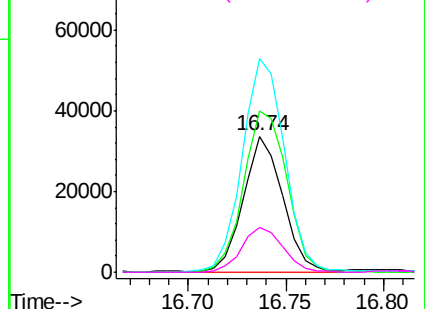
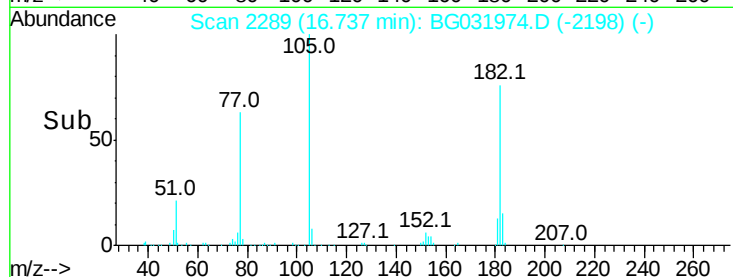


Abundance Ion 77.00 (76.70 to 77.70): BGC

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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.14 min Scan# 2528

Delta R.T. -0.02 min

Lab File: BG031974.D

Acq: 10 Jan 2018 9:33

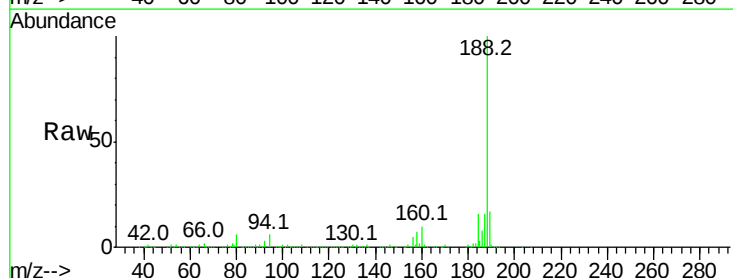
Tgt Ion: 188 Resp: 433674

Ion Ratio Lower Upper

188 100

94 5.8 6.9 10.3#

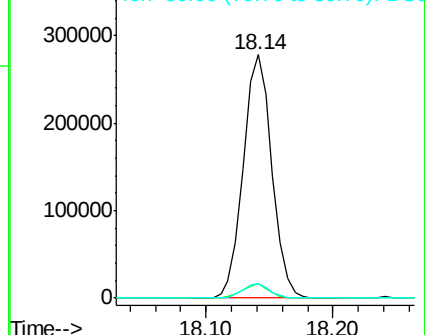
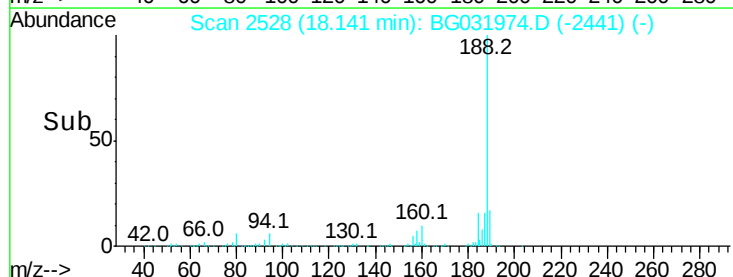
80 6.0 7.7 11.5#

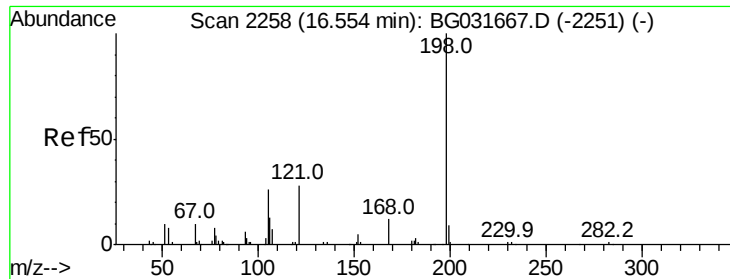


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#64

4,6-Dinitro-2-methylphenol

Concen: 8.755 ng

RT: 16.88 min Scan# 2314

Delta R.T. 0.37 min

Lab File: BG031974.D

Acq: 10 Jan 2018 9:33

Instrument :

BNA_G

ClientSampleId :

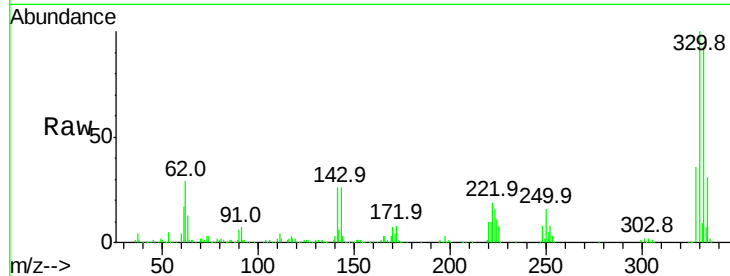
Tot Ion:198 Resp: 1147

Ion Ratio Lower Upper

198 100

51 80.6 30.6 70.6#

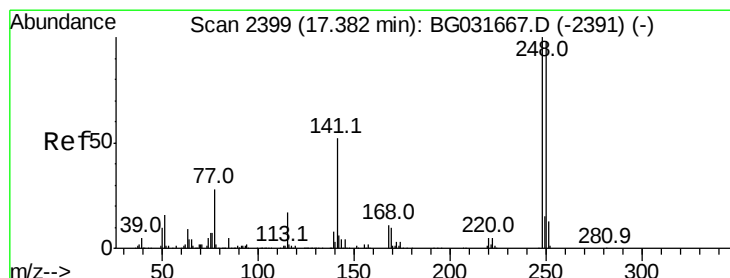
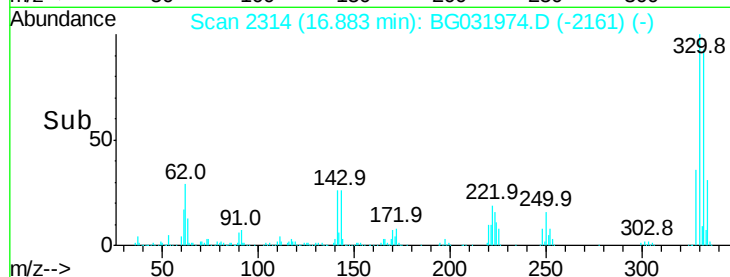
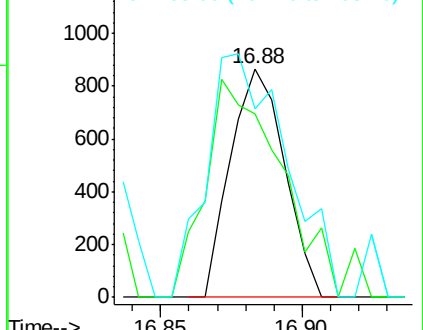
105 82.3 23.8 63.8#



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: 5.550 ng

RT: 16.88 min Scan# 2314

Delta R.T. -0.45 min

Lab File: BG031974.D

Acq: 10 Jan 2018 9:33

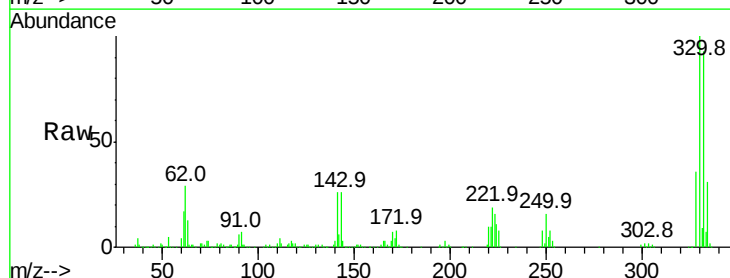
Tgt Ion:248 Resp: 34807

Ion Ratio Lower Upper

248 100

250 208.1 77.1 115.7#

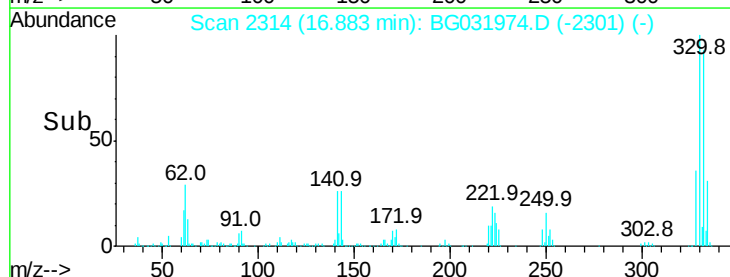
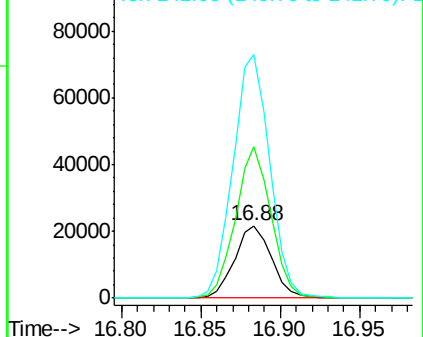
141 334.9 50.8 76.2#

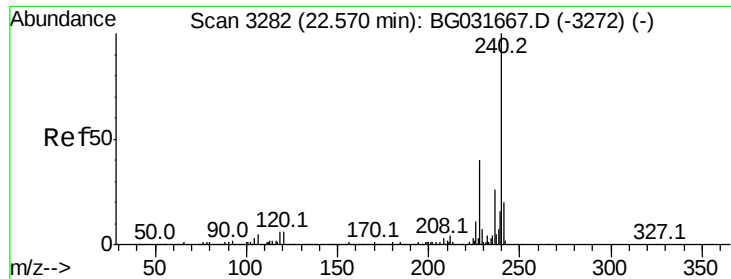


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG031974.D

Acq: 10 Jan 2018 9:33

Instrument :

BNA_G

ClientSampleId :

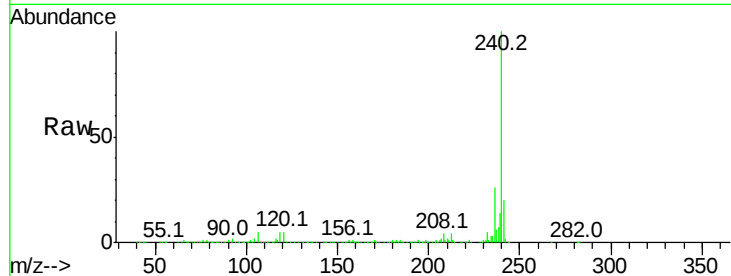
Tot Ion:240 Resp: 500493

Ion Ratio Lower Upper

240 100

120 5.4 6.8 10.2#

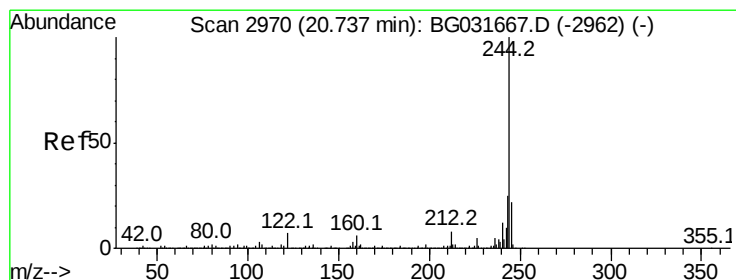
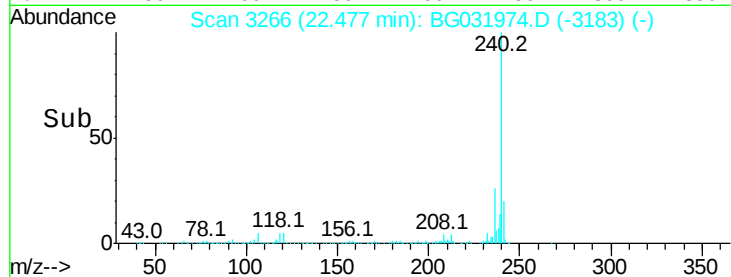
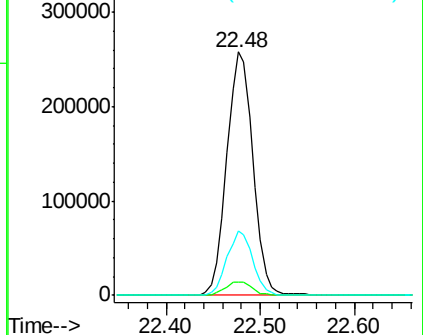
236 26.2 20.9 31.3



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: 96.135 ng

RT: 20.67 min Scan# 2959

Delta R.T. -0.03 min

Lab File: BG031974.D

Acq: 10 Jan 2018 9:33

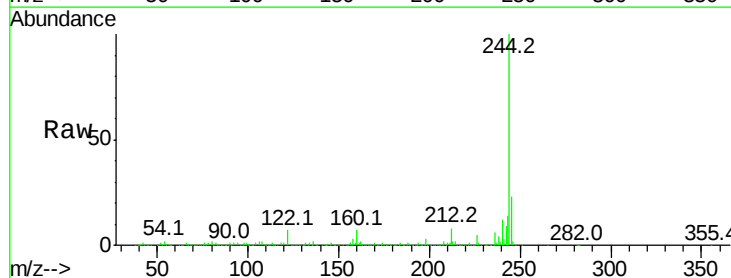
Tgt Ion:244 Resp: 2106005

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.8

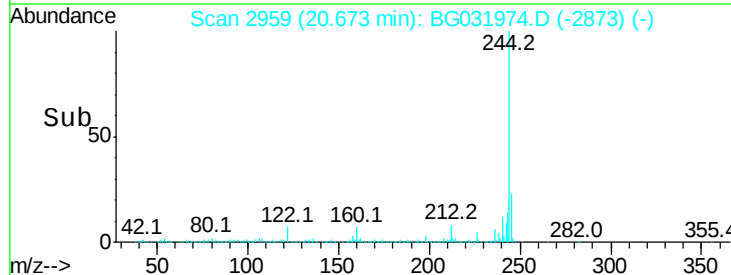
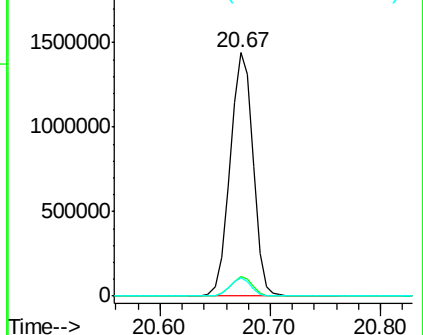
122 7.3 7.0 10.4

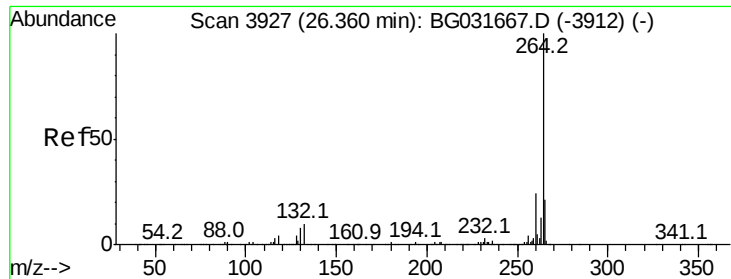


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.20 min Scan# 3900
 Delta R.T. -0.10 min
 Lab File: BG031974.D
 Acq: 10 Jan 2018 9:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.4	26.0
265	23.0	17.7	26.5

