

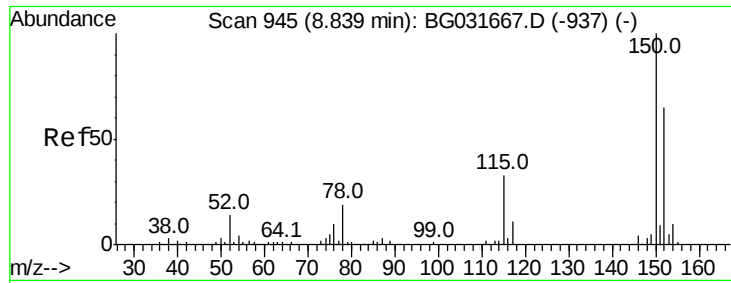
Data Path : Z:\HPCHEM1\BNA G\DATA\BG010918\
 Data File : BG031971.D
 Acq On : 10 Jan 2018 7:41
 Operator : SJ/JU
 Sample : J1057-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 10 09:47:25 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	61219	20.00	ng	0.00
21) Naphthalene-d8	11.67	136	245988	20.00	ng	0.00
38) Acenaphthene-d10	15.41	164	167542	20.00	ng	-0.02
63) Phenanthrene-d10	18.14	188	420805	20.00	ng	-0.02
75) Chrysene-d12	22.48	240	479188	20.00	ng	-0.04
86) Perylene-d12	26.20	264	468437	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	6.21	112	457296	136.05	ng	0.00
7) Phenol-d6	7.89	99	552720	126.66	ng	0.00
23) Nitrobenzene-d5	9.98	82	378040	116.05	ng	0.00
41) 2,4,6-Tribromophenol	16.88	330	440705	172.39	ng	-0.02
44) 2-Fluorobiphenyl	14.04	172	1280813	95.95	ng	-0.01
78) Terphenyl-d14	20.67	244	1954164	93.17	ng	-0.03
Target Compounds						
4) n-Nitrosodimethylamine	4.22	42	5680	4.226	ng	Qvalue # 9
10) Phenol	7.92	94	20611	4.678	ng	89
16) 2,2'-oxybis(1-Chloropropan	9.36	45	7707	2.587	ng	75
20) 3+4-Methylphenols	9.54	107	51067	11.398	ng	92
27) 2,4-Dimethylphenol	11.11	122	979020	264.297	ng	# 1
32) Benzoic acid	11.11	122	979020	340.209	ng	# 79
50) 2,6-Dinitrotoluene	15.41	165	22404	8.251	ng	# 22
53) 2,4-Dinitrophenol	15.52	184	60	7.680	ng	# 1
56) 2,4-Dinitrotoluene	15.41	165	22404	6.417	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.88	198	1195	8.789	ng	# 1
66) 4-Bromophenyl-phenylether	16.88	248	36687	6.029	ng	# 1

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

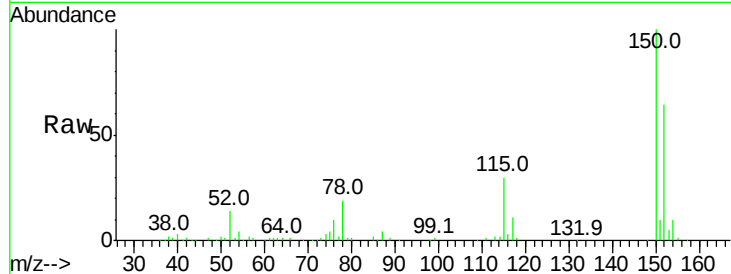


#1

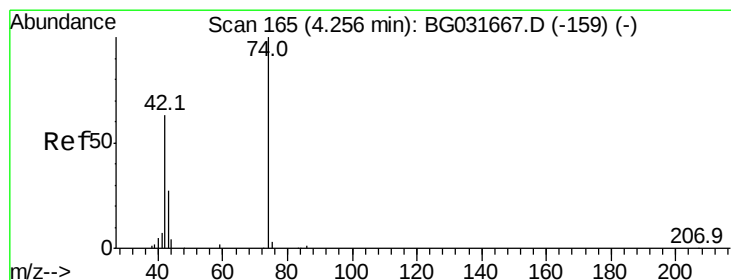
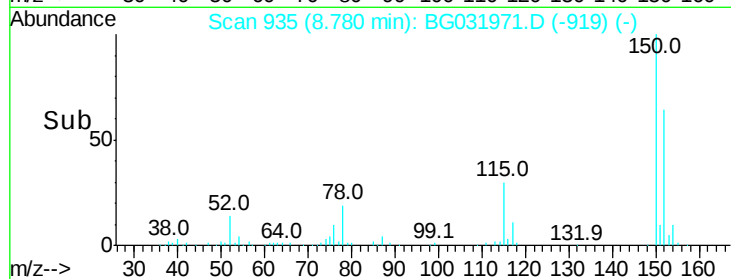
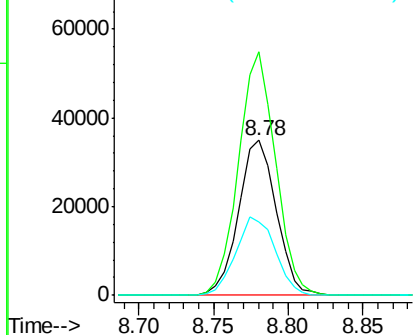
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.78 min Scan# 935
Delta R.T. -0.01 min
Lab File: BG031971.D
Acq: 10 Jan 2018 7:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 61219
Ion Ratio Lower Upper
152 100
150 156.9 126.6 189.8
115 47.6 53.0 79.4#



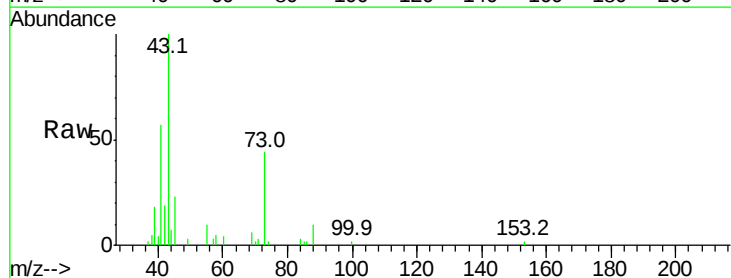
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



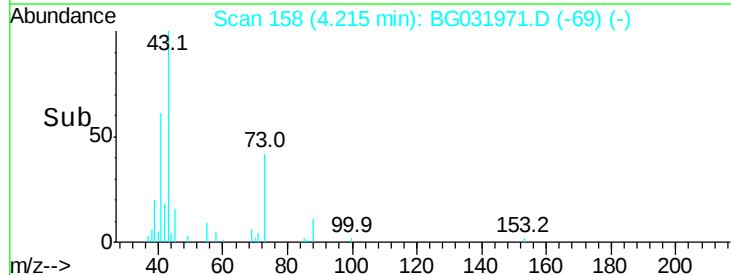
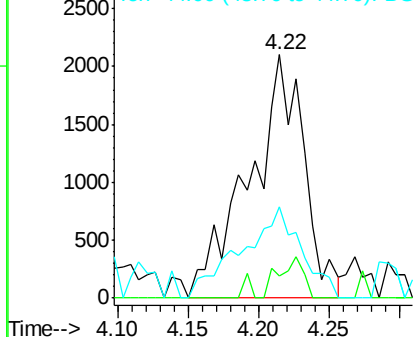
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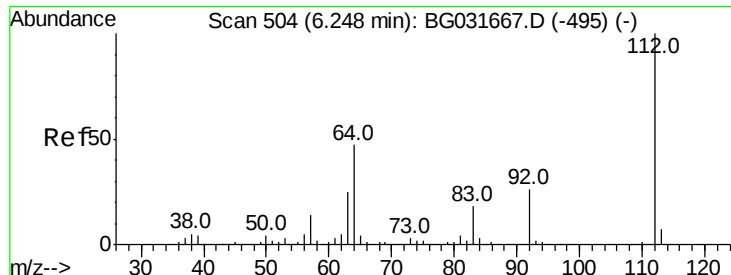
n-Nitrosodimethylamine
Concen: 4.226 ng
RT: 4.22 min Scan# 158
Delta R.T. -0.01 min
Lab File: BG031971.D
Acq: 10 Jan 2018 7:41

Tgt Ion: 42 Resp: 5680
Ion Ratio Lower Upper
42 100
74 9.3 102.5 153.7#
44 37.5 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: 136.054 ng

RT: 6.21 min Scan# 497

Delta R.T. -0.00 min

Lab File: BG031971.D

Acq: 10 Jan 2018 7:41

Instrument :

BNA_G

ClientSampleId :

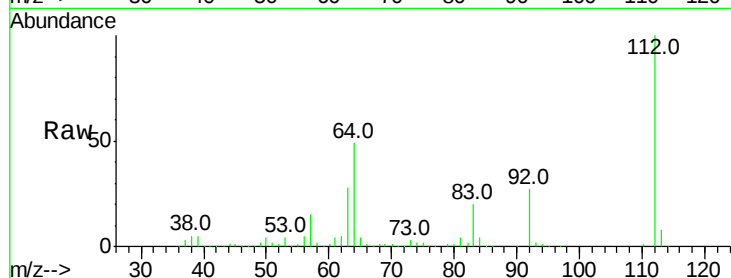
Tot Ion:112 Resp: 457296

Ion Ratio Lower Upper

112 100

64 48.6 56.3 84.5#

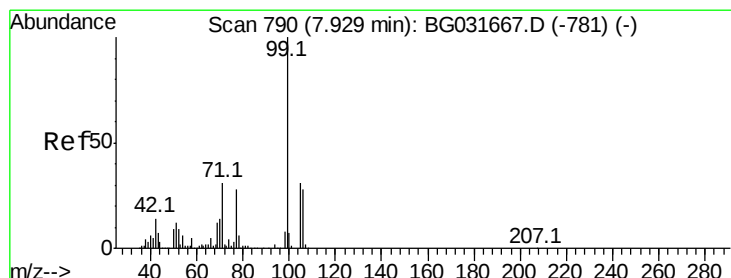
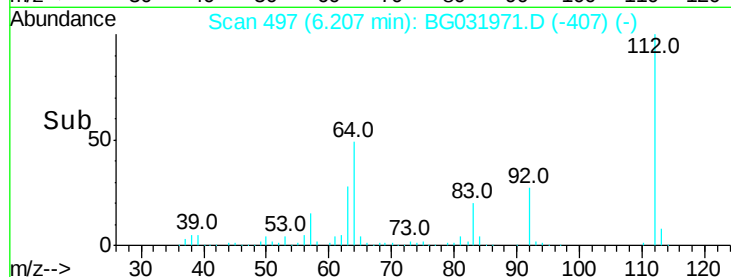
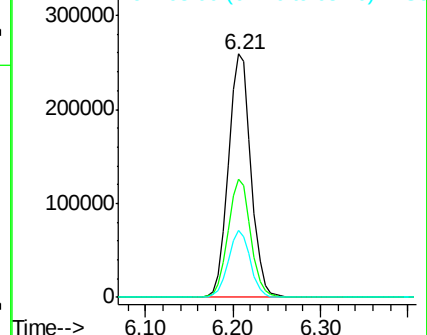
63 27.5 30.1 45.1#



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: 126.659 ng

RT: 7.89 min Scan# 783

Delta R.T. -0.00 min

Lab File: BG031971.D

Acq: 10 Jan 2018 7:41

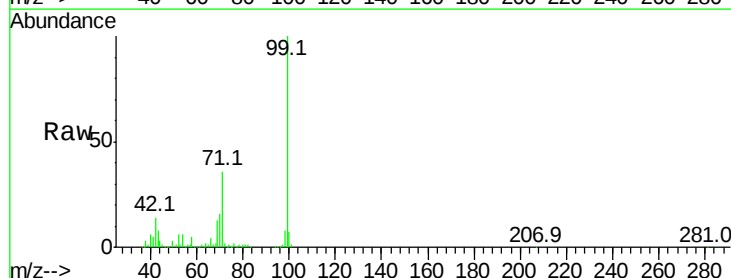
Tgt Ion: 99 Resp: 552720

Ion Ratio Lower Upper

99 100

42 14.5 14.1 21.1

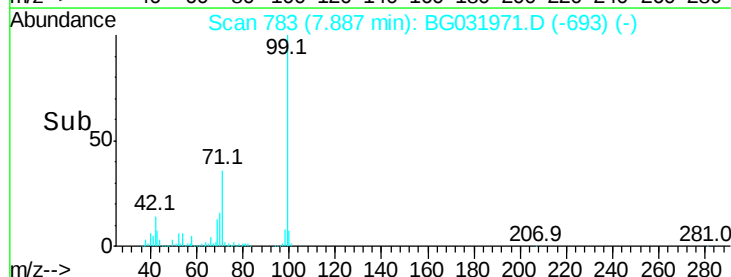
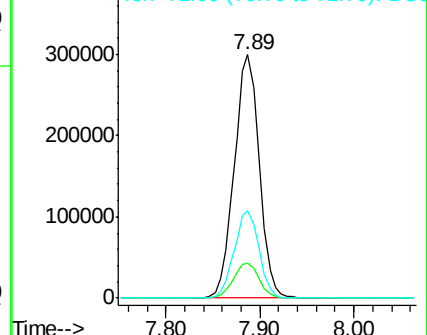
71 35.8 26.1 39.1

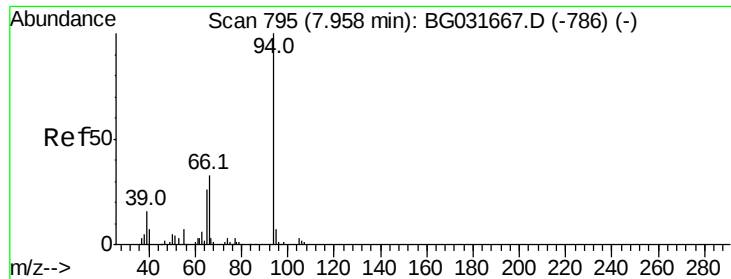


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 4.678 ng

RT: 7.92 min Scan# 788

Delta R.T. -0.00 min

Lab File: BG031971.D

Acq: 10 Jan 2018 7:41

Instrument :

BNA_G

ClientSampleId :

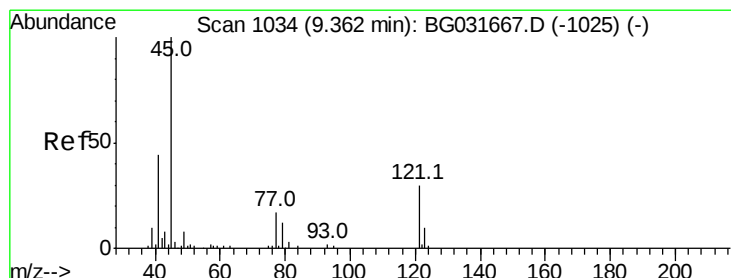
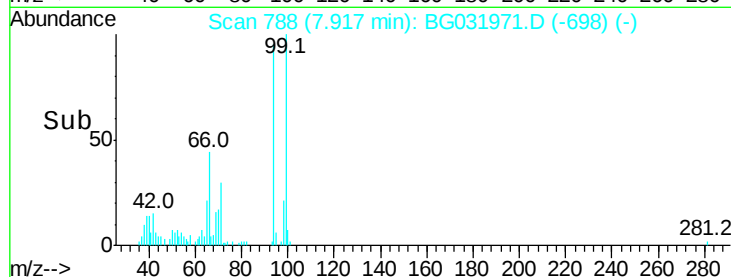
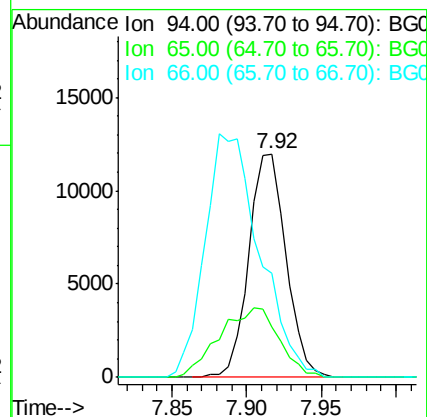
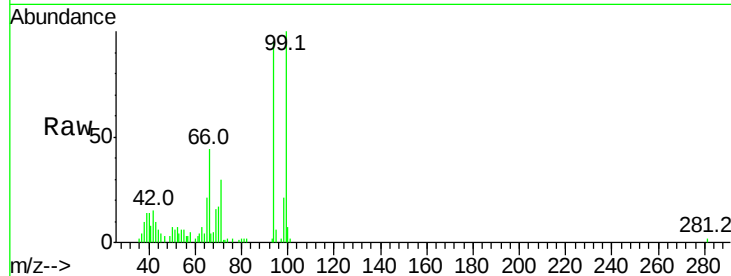
Tot Ion: 94 Resp: 20611

Ion Ratio Lower Upper

94 100

65 22.4 11.9 51.9

66 46.6 22.2 62.2



#16

2,2'-oxybis(1-Chloropropane)

Concen: 2.587 ng

RT: 9.36 min Scan# 1034

Delta R.T. 0.04 min

Lab File: BG031971.D

Acq: 10 Jan 2018 7:41

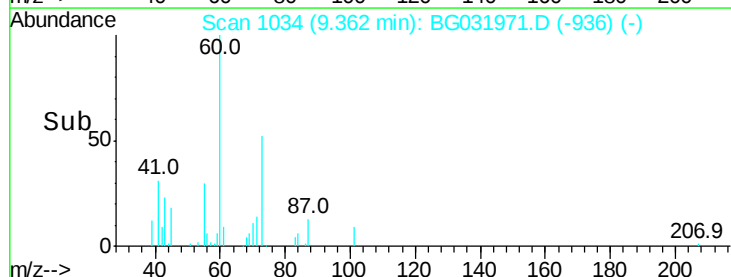
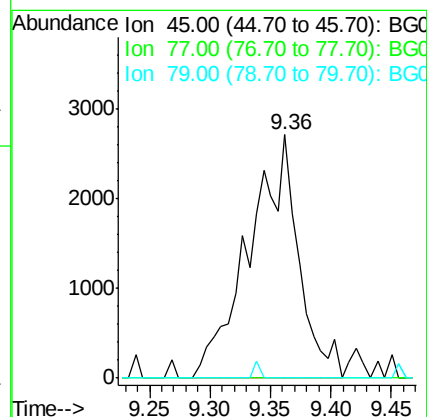
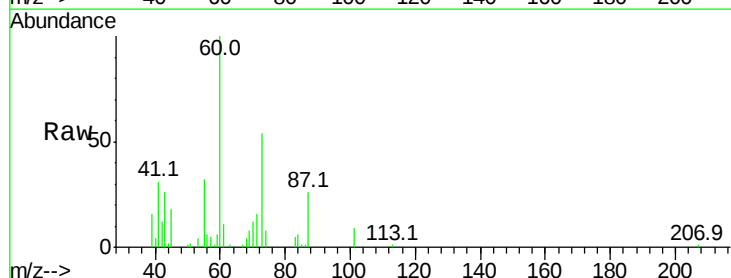
Tgt Ion: 45 Resp: 7707

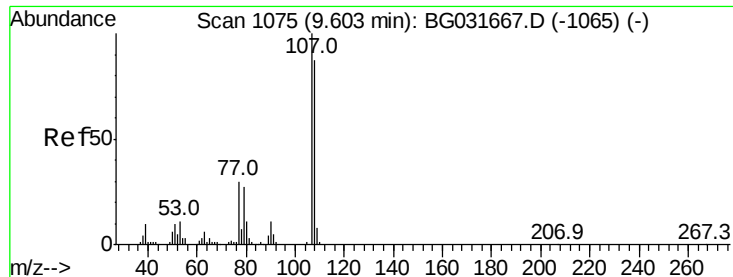
Ion Ratio Lower Upper

45 100

77 0.0 0.0 30.2

79 0.0 0.0 27.9

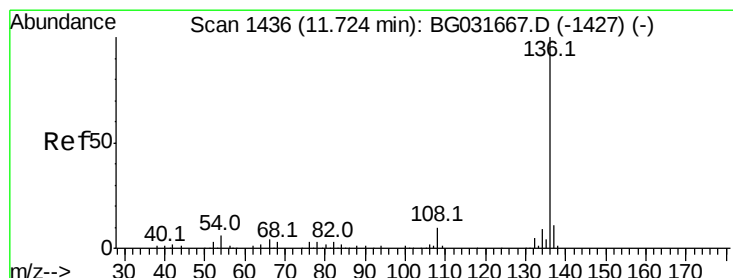
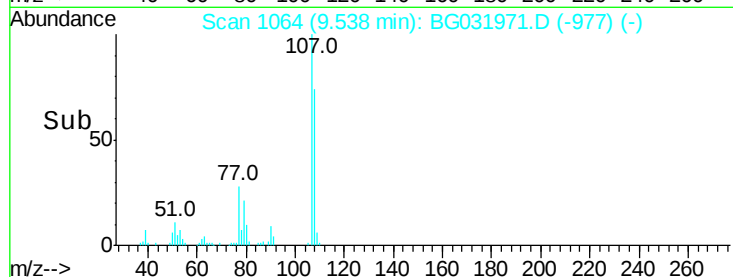
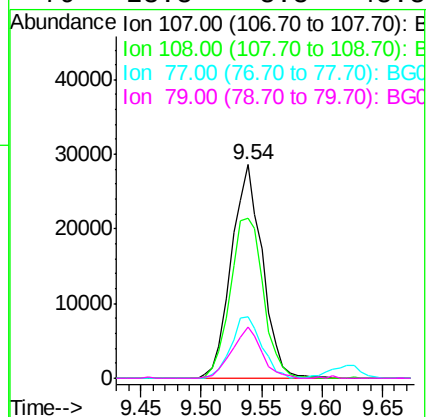
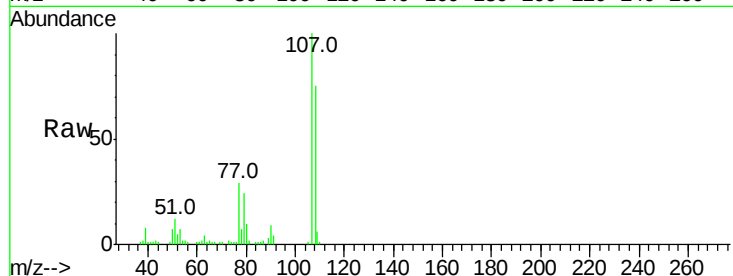




#20
3+4-Methylphenols
Concen: 11.398 ng
RT: 9.54 min Scan# 1064
Delta R.T. -0.02 min
Lab File: BG031971.D
Acq: 10 Jan 2018 7:41

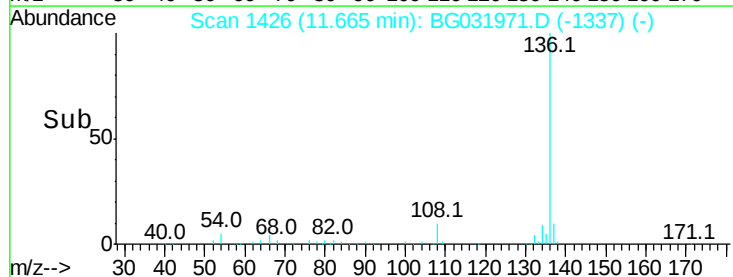
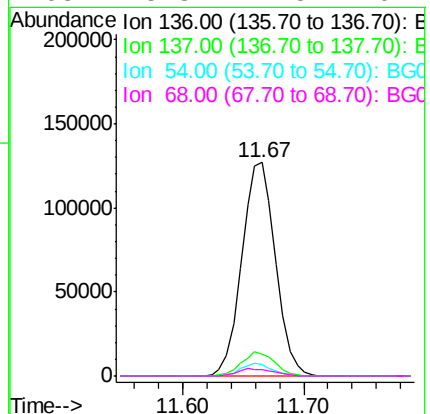
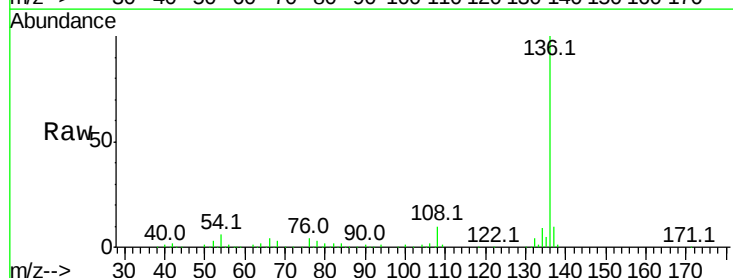
Instrument :
BNA_G
ClientSampleId :

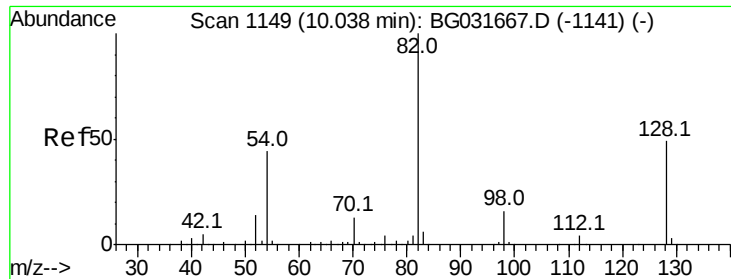
Tot Ion:107	Resp:	51067
Ion Ratio	Lower	Upper
107	100	
108	74.7	61.6 101.6
77	28.8	13.9 53.9
79	23.8	8.8 48.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.67 min Scan# 1426
Delta R.T. -0.01 min
Lab File: BG031971.D
Acq: 10 Jan 2018 7:41

Tgt Ion:136	Resp:	245988
Ion Ratio	Lower	Upper
136	100	
137	10.2	9.2 13.8
54	5.5	10.3 15.5#
68	3.3	4.5 6.7#

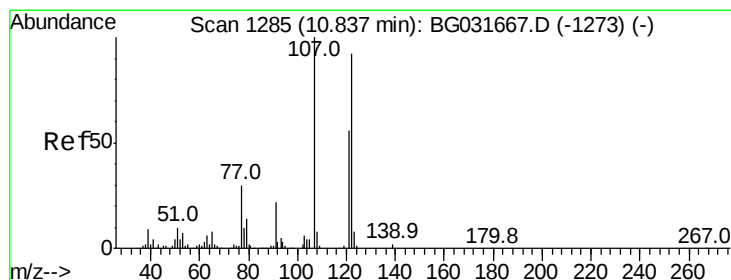
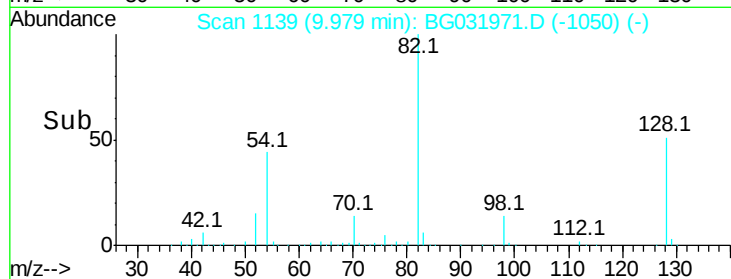
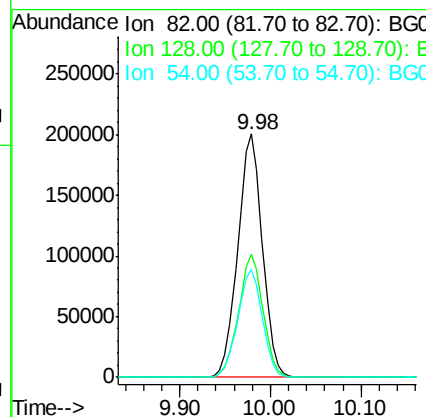
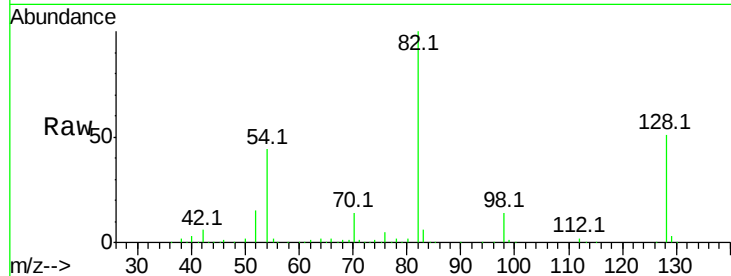




#23
 Nitrobenzene-d5
 Concen: 116.049 ng
 RT: 9.98 min Scan# 1139
 Delta R.T. -0.01 min
 Lab File: BG031971.D
 Acq: 10 Jan 2018 7:41

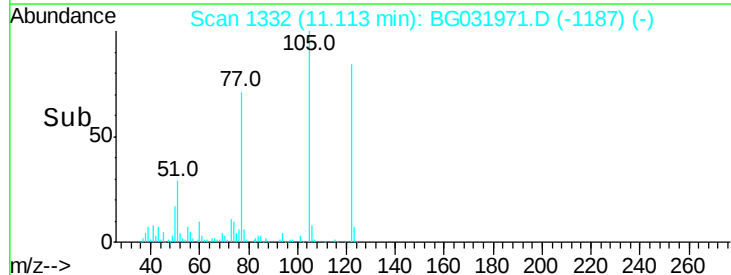
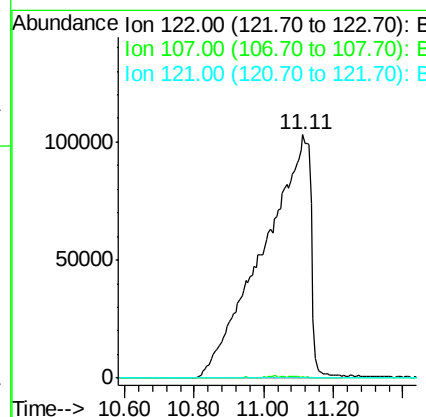
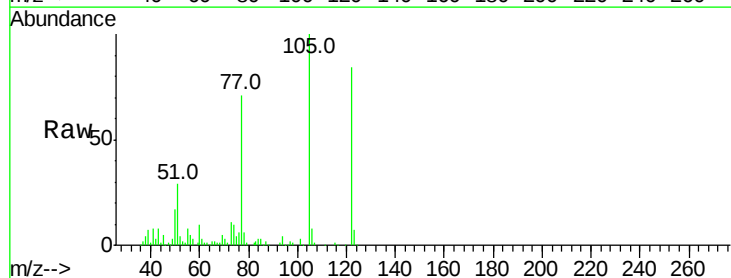
Instrument :
 BNA_G
 ClientSampleId :

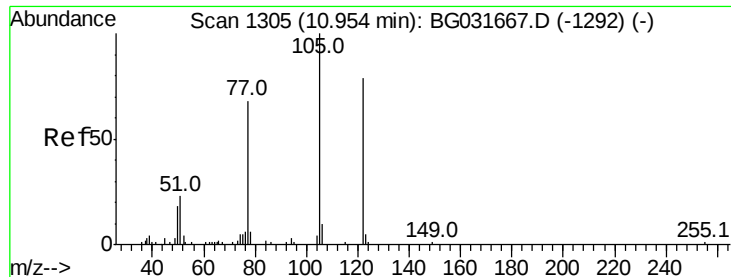
Tot Ion: 82 Resp: 378040
 Ion Ratio Lower Upper
 82 100
 128 50.9 29.7 44.5#
 54 44.4 43.1 64.7



#27
 2,4-Dimethylphenol
 Concen: 264.297 ng
 RT: 11.11 min Scan# 1332
 Delta R.T. 0.32 min
 Lab File: BG031971.D
 Acq: 10 Jan 2018 7:41

Tgt Ion:122 Resp: 979020
 Ion Ratio Lower Upper
 122 100
 107 0.8 100.2 150.2#
 121 0.0 44.4 66.6#

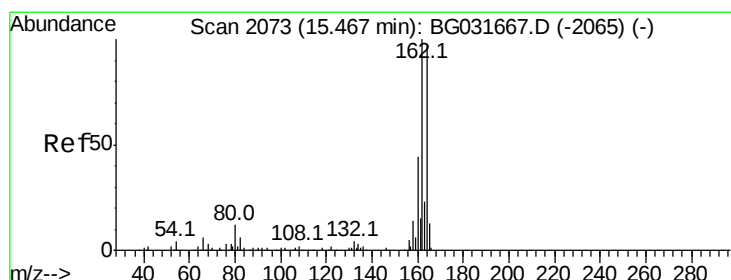
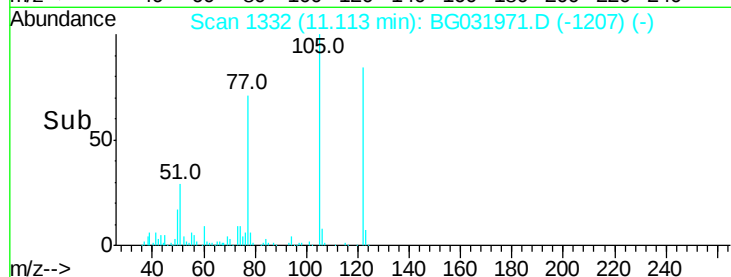
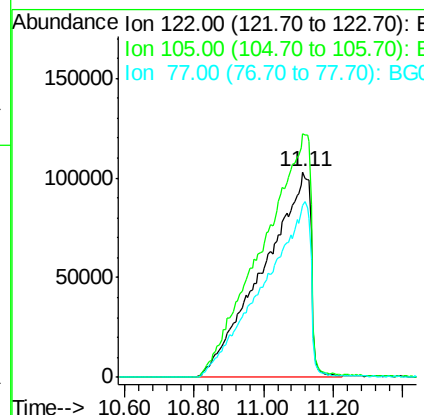
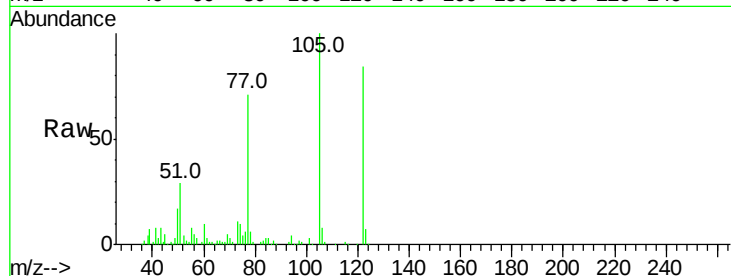




#32
Benzoic acid
Concen: 340.209 ng
RT: 11.11 min Scan# 1332
Delta R.T. 0.20 min
Lab File: BG031971.D
Acq: 10 Jan 2018 7:41

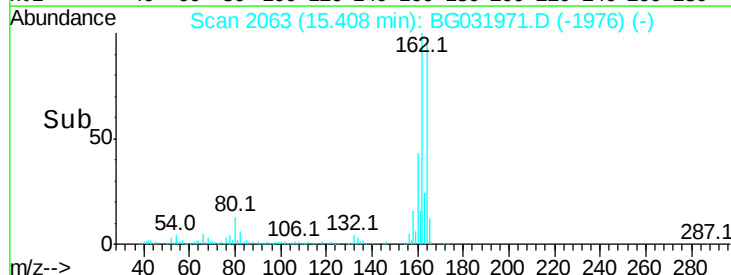
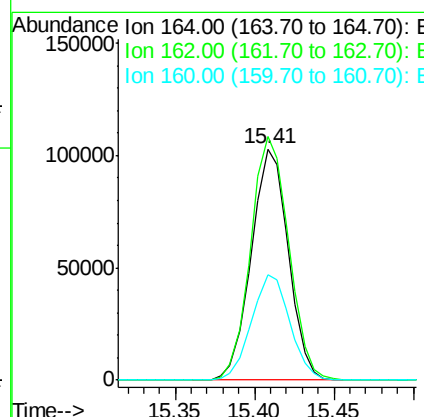
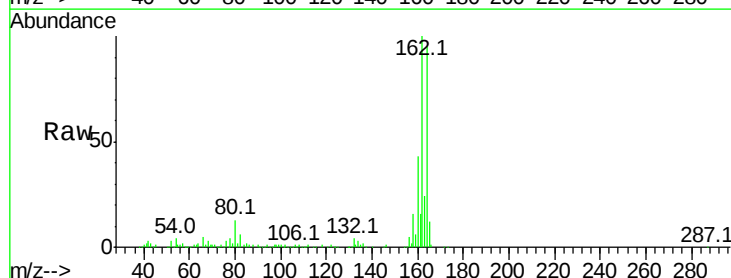
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BNA_G
ClientSampleId :

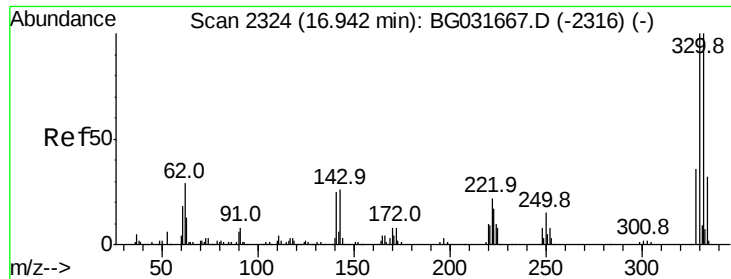
Tot Ion:122 Resp: 979020
Ion Ratio Lower Upper
122 100
105 118.4 123.5 163.5#
77 83.9 85.7 125.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.41 min Scan# 2063
Delta R.T. -0.02 min
Lab File: BG031971.D
Acq: 10 Jan 2018 7:41

Tgt Ion:164 Resp: 167542
Ion Ratio Lower Upper
164 100
162 105.5 78.8 118.2
160 45.9 35.4 53.0





#41

2,4,6-Tribromophenol

Concen: 172.389 ng

RT: 16.88 min Scan# 2314

Delta R.T. -0.02 min

Lab File: BG031971.D

Acq: 10 Jan 2018 7:41

Instrument :

BNA_G

ClientSampleId :

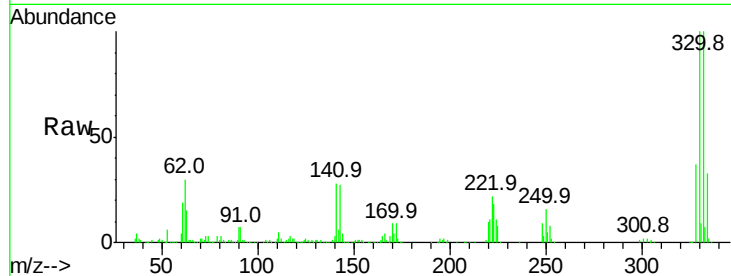
Tot Ion:330 Resp: 440705

Ion Ratio Lower Upper

330 100

332 98.4 77.0 115.6

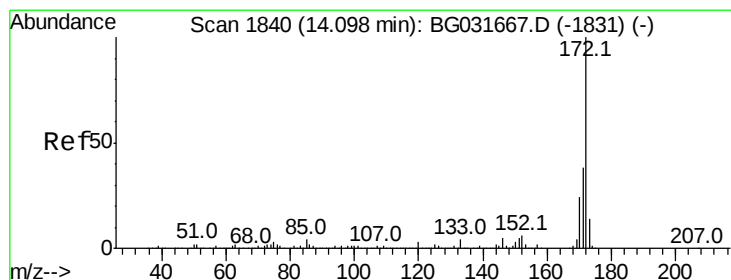
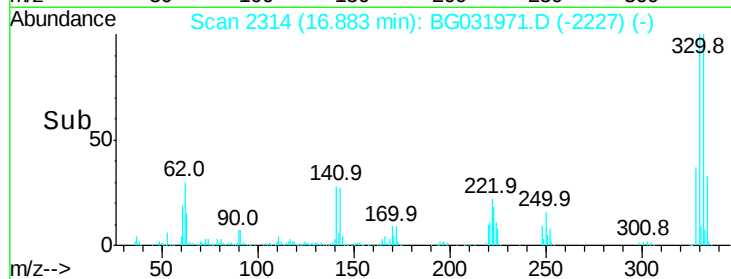
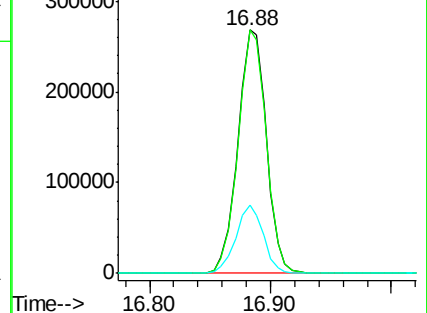
141 27.1 25.2 37.8



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: 95.952 ng

RT: 14.04 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BG031971.D

Acq: 10 Jan 2018 7:41

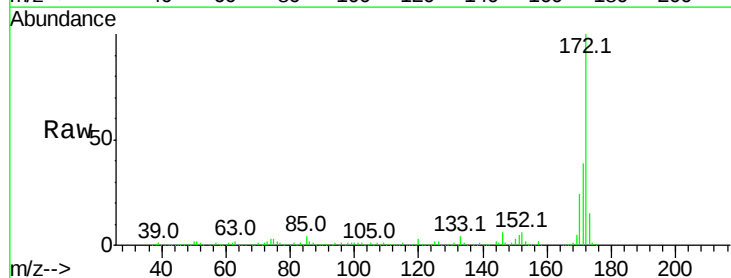
Tgt Ion:172 Resp: 1280813

Ion Ratio Lower Upper

172 100

171 38.8 30.0 45.0

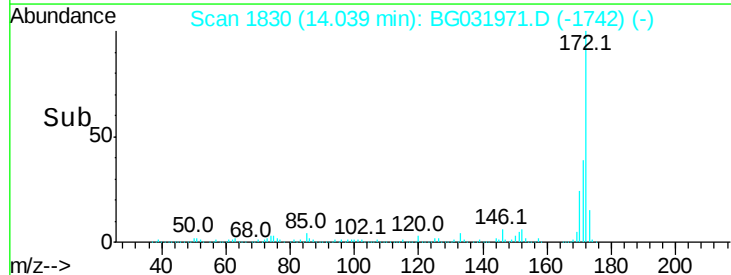
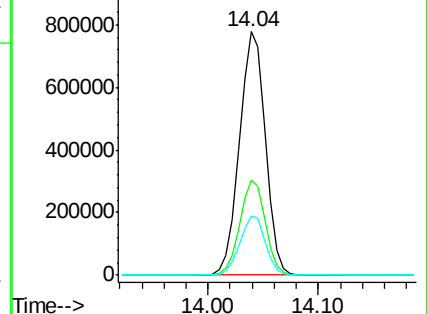
170 24.3 19.5 29.3

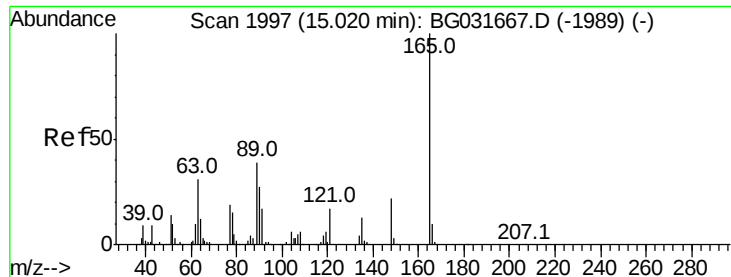


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

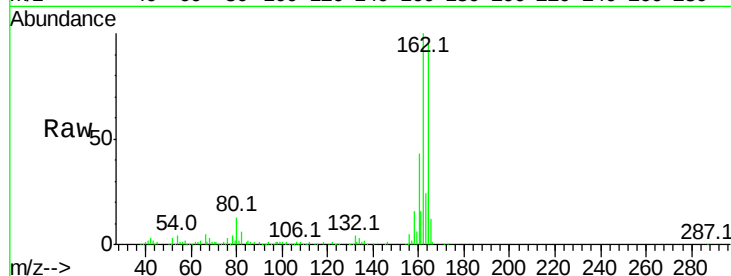




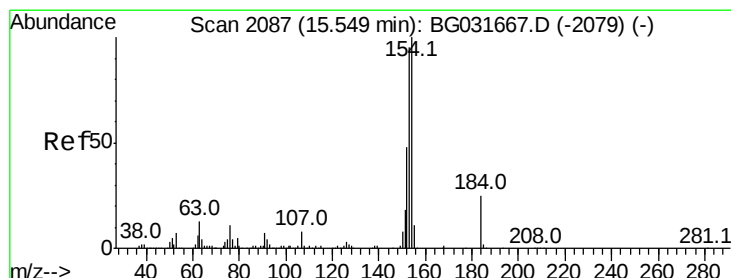
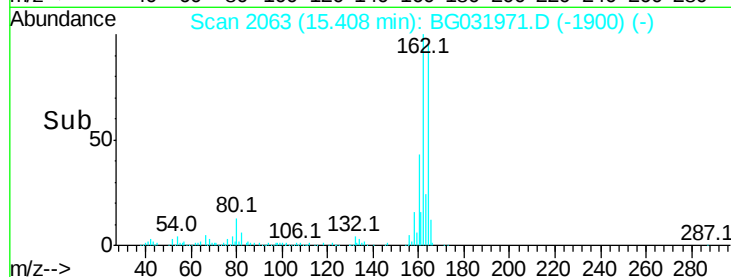
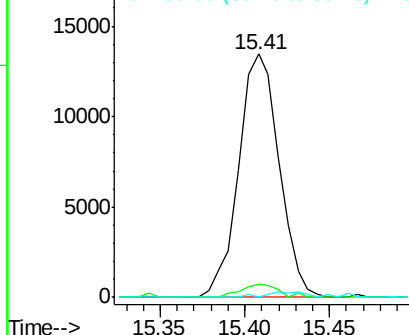
#50
2,6-Dinitrotoluene
Concen: 8.251 ng
RT: 15.41 min Scan# 2063
Delta R.T. 0.43 min
Lab File: BG031971.D
Acq: 10 Jan 2018 7:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 22404
Ion Ratio Lower Upper
165 100
63 5.5 52.7 79.1#
89 0.0 49.2 73.8#

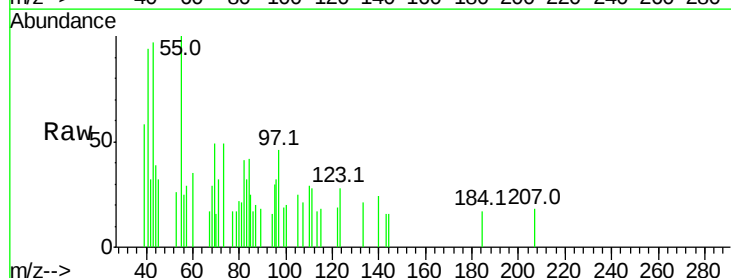


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

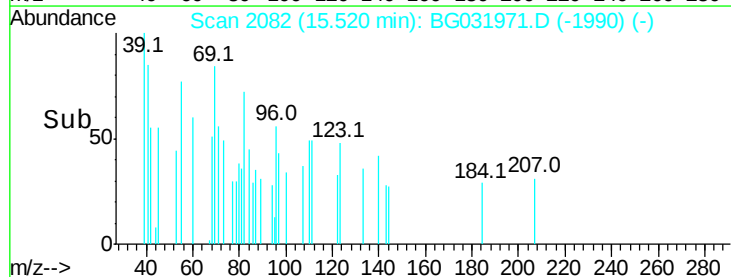
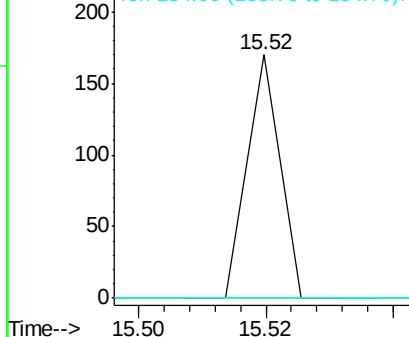


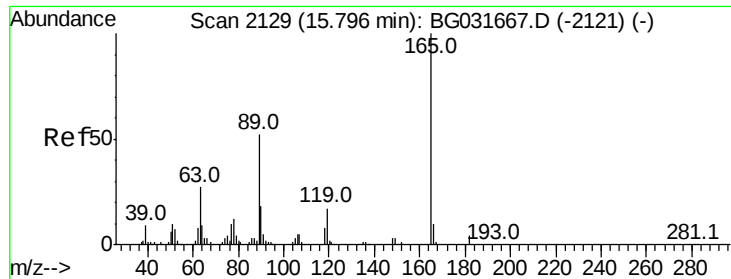
#53
2,4-Dinitrophenol
Concen: 7.680 ng
RT: 15.52 min Scan# 2082
Delta R.T. 0.01 min
Lab File: BG031971.D
Acq: 10 Jan 2018 7:41

Tgt Ion:184 Resp: 60
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E





#56

2,4-Dinitrotoluene

Concen: 6.417 ng

RT: 15.41 min Scan# 2063

Delta R.T. -0.35 min

Lab File: BG031971.D

Acq: 10 Jan 2018 7:41

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 22404

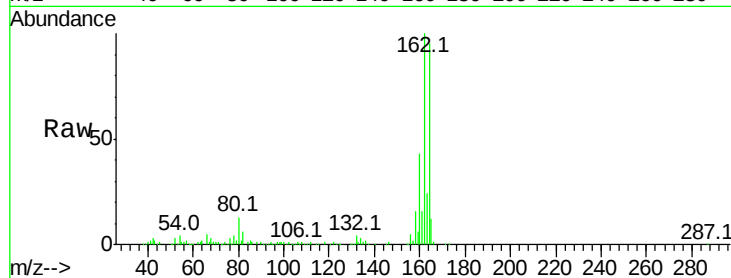
Ion Ratio Lower Upper

165 100

63 5.5 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

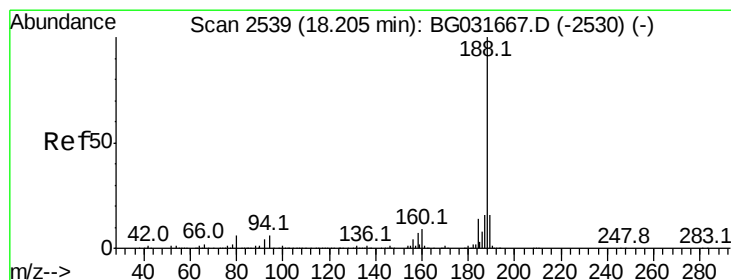
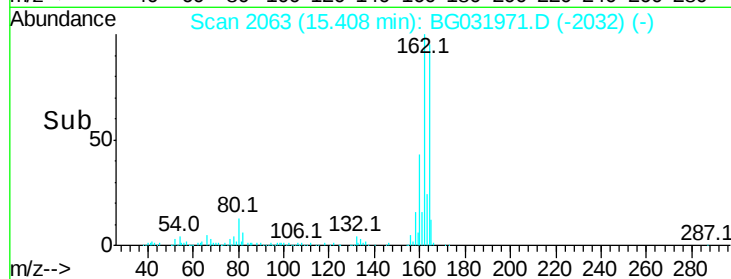
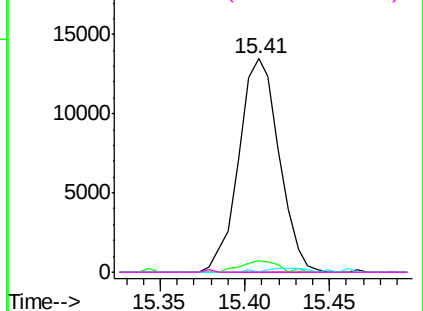


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.14 min Scan# 2528

Delta R.T. -0.02 min

Lab File: BG031971.D

Acq: 10 Jan 2018 7:41

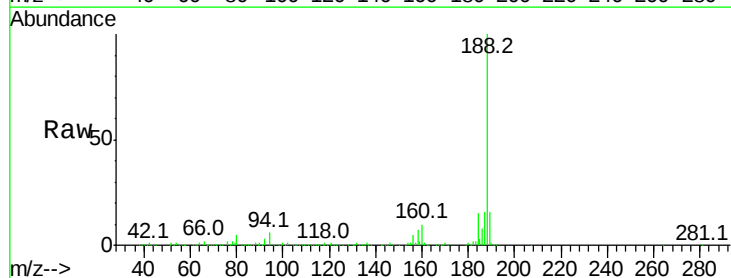
Tgt Ion:188 Resp: 420805

Ion Ratio Lower Upper

188 100

94 5.7 6.9 10.3#

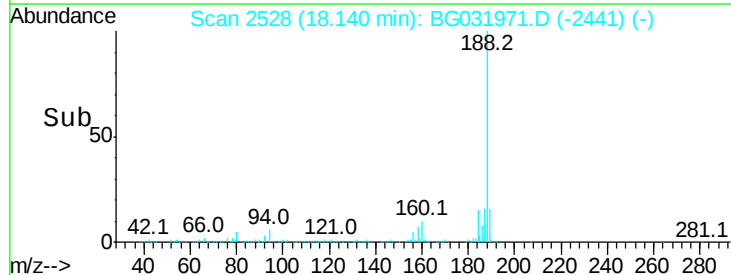
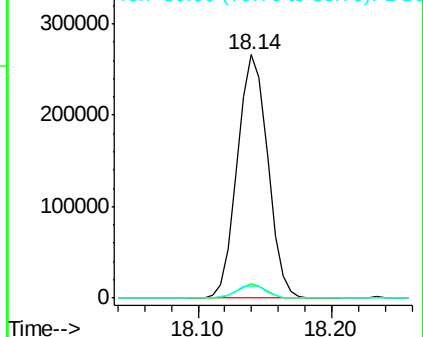
80 5.1 7.7 11.5#

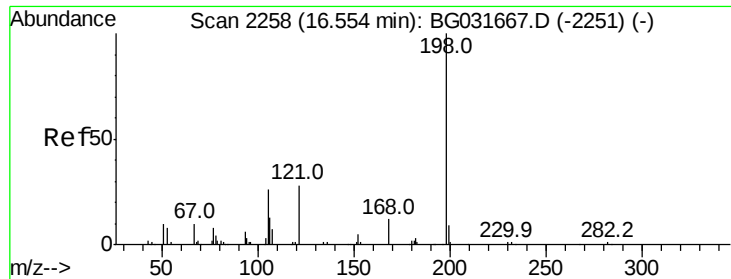


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

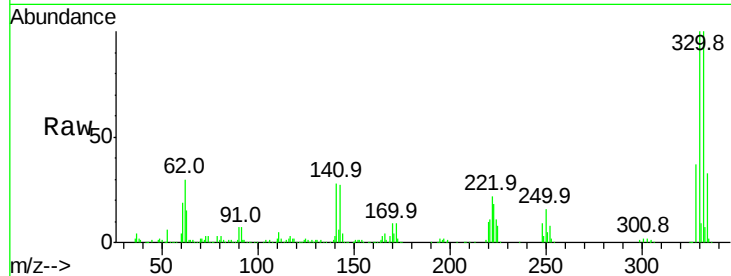




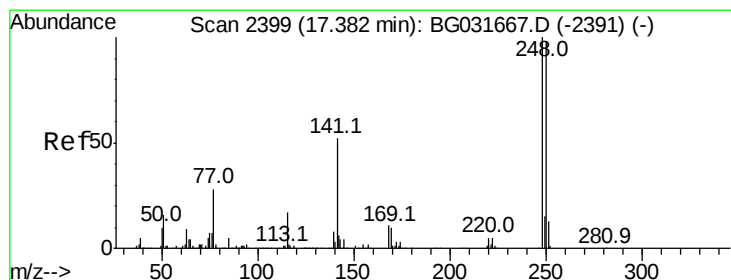
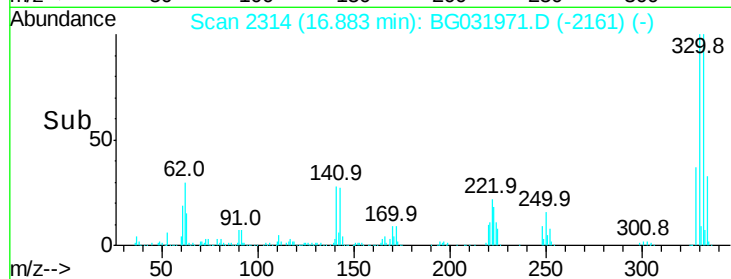
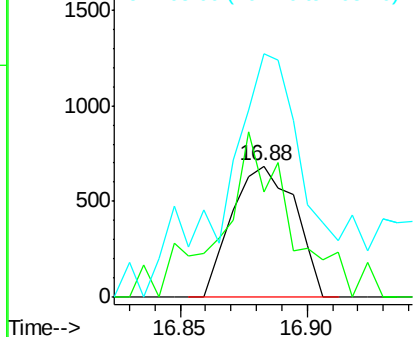
#64
4,6-Dinitro-2-methylphenol
Concen: 8.789 ng
RT: 16.88 min Scan# 2314
Delta R.T. 0.37 min
Lab File: BG031971.D
Acq: 10 Jan 2018 7:41

Instrument :
BNA_G
ClientSampled :

Tot Ion:198 Resp: 1195
Ion Ratio Lower Upper
198 100
51 80.7 30.6 70.6#
105 185.7 23.8 63.8#

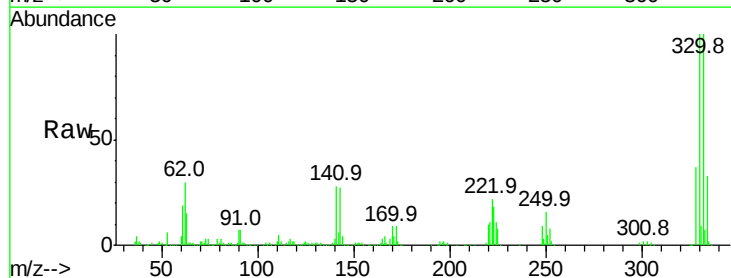


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BGC
Ion 105.00 (104.70 to 105.70): E

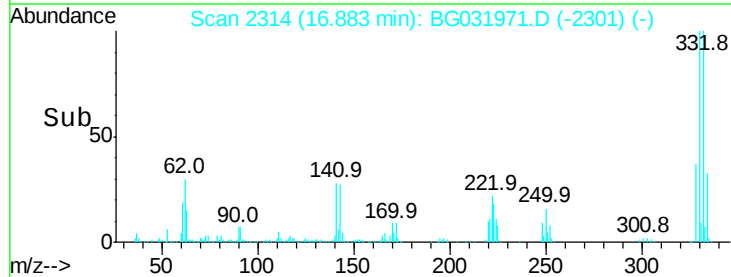
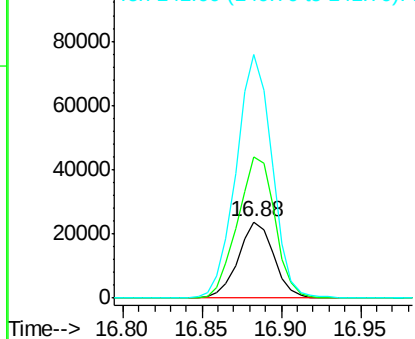


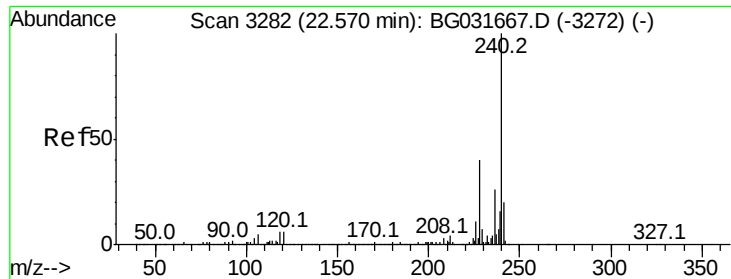
#66
4-Bromophenyl-phenylether
Concen: 6.029 ng
RT: 16.88 min Scan# 2314
Delta R.T. -0.45 min
Lab File: BG031971.D
Acq: 10 Jan 2018 7:41

Tgt Ion:248 Resp: 36687
Ion Ratio Lower Upper
248 100
250 185.8 77.1 115.7#
141 320.6 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: BG031971.D

Acq: 10 Jan 2018 7:41

Instrument :

BNA_G

ClientSampleId :

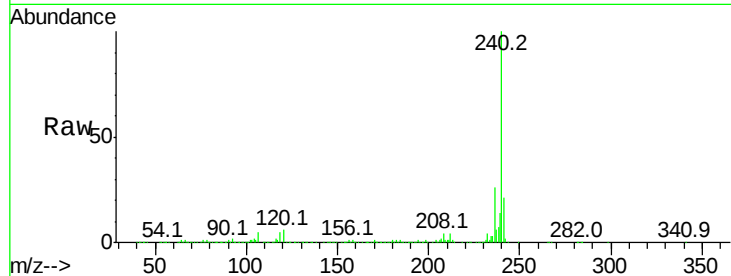
Tot Ion:240 Resp: 479188

Ion Ratio Lower Upper

240 100

120 6.0 6.8 10.2#

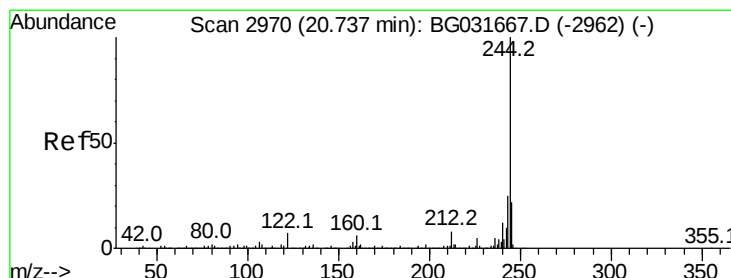
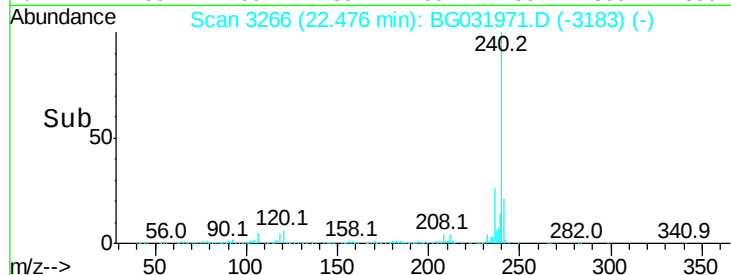
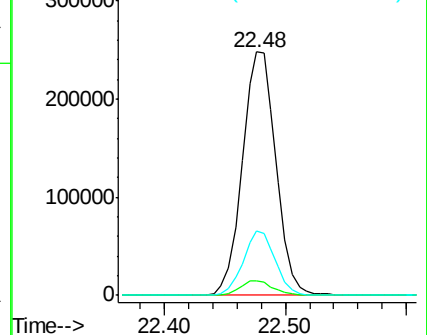
236 26.3 20.9 31.3



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: 93.170 ng

RT: 20.67 min Scan# 2959

Delta R.T. -0.03 min

Lab File: BG031971.D

Acq: 10 Jan 2018 7:41

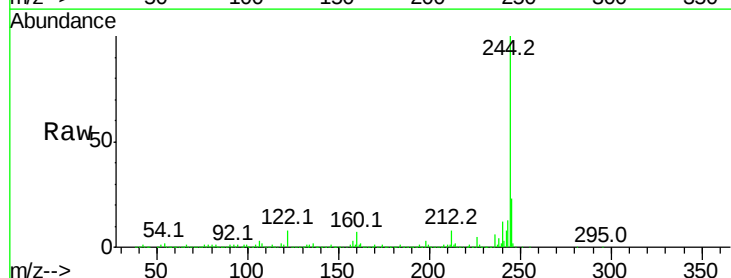
Tgt Ion:244 Resp: 1954164

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.8

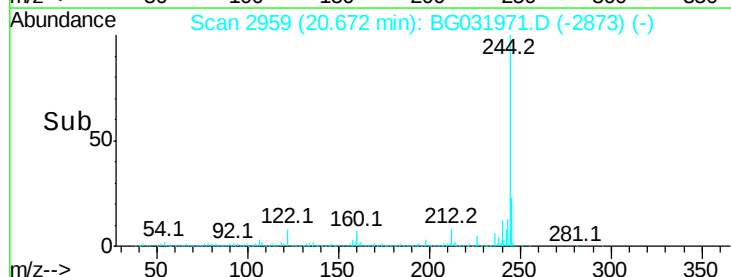
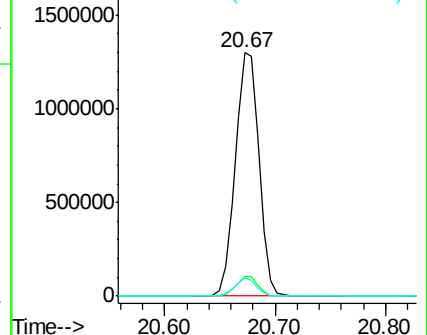
122 7.5 7.0 10.4

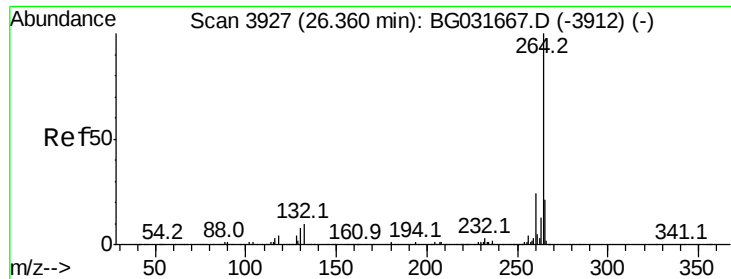


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

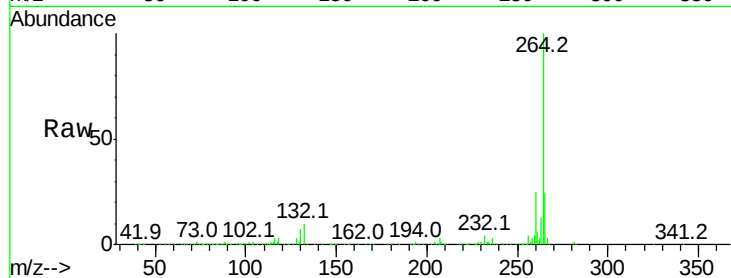




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.20 min Scan# 3900
Delta R.T. -0.10 min
Lab File: BG031971.D
Acq: 10 Jan 2018 7:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.4	17.4	26.0
265	23.9	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

