

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122217\
 Data File : BG031739.D
 Acq On : 23 Dec 2017 8:54
 Operator : SJ/JU
 Sample : I7040-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LIC-PY-FIELD-BLANK-1-12.20.17

Quant Time: Dec 25 04:44:18 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 11:08:55 2017
 Response via : Initial Calibration

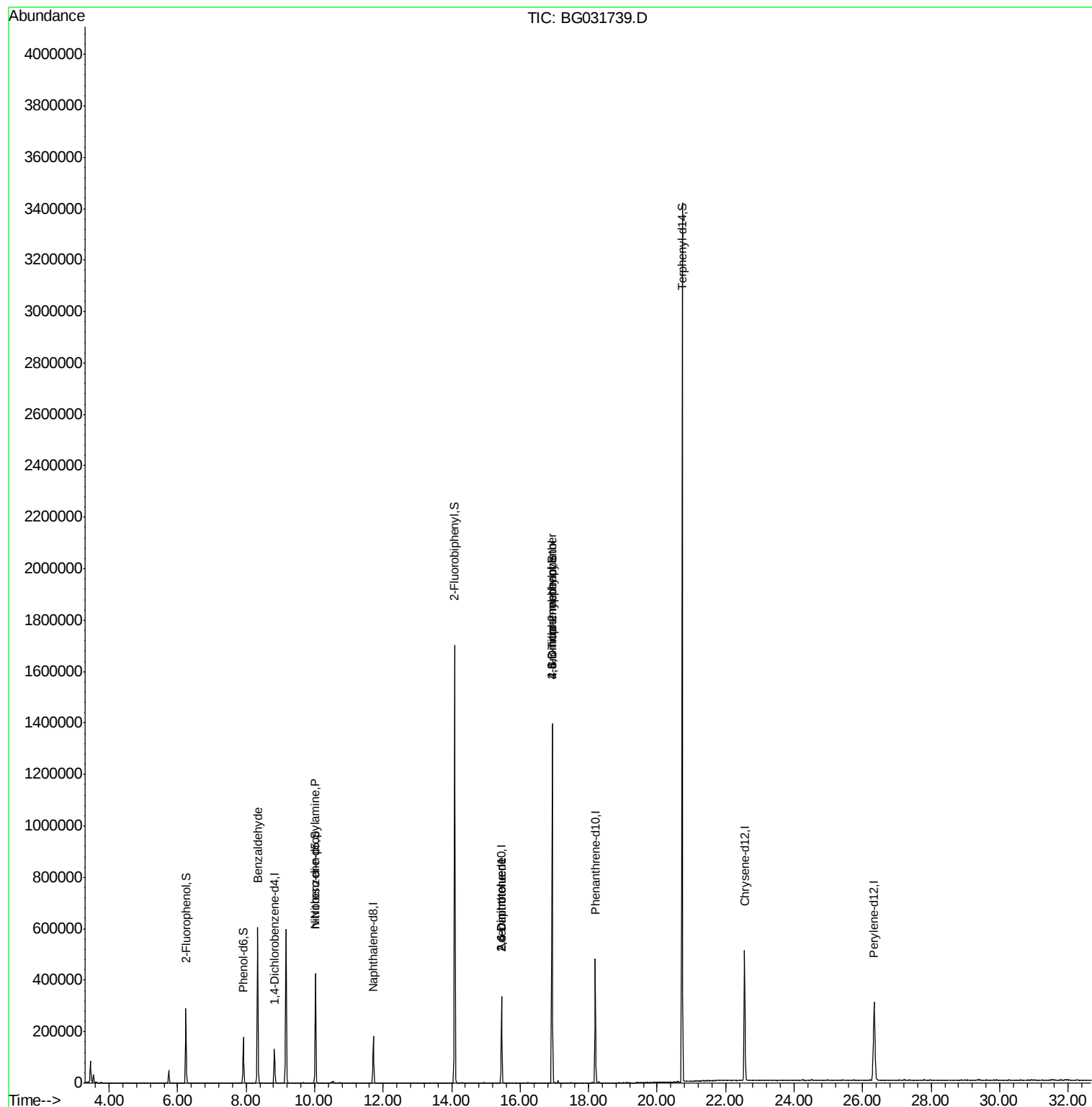
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.83	152	47618	20.00	ng	-0.01
21) Naphthalene-d8	11.71	136	193482	20.00	ng	-0.01
38) Acenaphthene-d10	15.46	164	133888	20.00	ng	0.00
63) Phenanthrene-d10	18.19	188	339029	20.00	ng	-0.01
75) Chrysene-d12	22.55	240	397468	20.00	ng	-0.02
86) Perylene-d12	26.34	264	418964	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.24	112	160961	61.57	ng	0.00
7) Phenol-d6	7.91	99	124039	36.54	ng	-0.01
23) Nitrobenzene-d5	10.02	82	277197	108.18	ng	-0.01
41) 2,4,6-Tribromophenol	16.93	330	354007	173.28	ng	0.00
44) 2-Fluorobiphenyl	14.08	172	1051205	98.55	ng	-0.01
78) Terphenyl-d14	20.73	244	1875980	107.83	ng	0.00
Target Compounds						
9) Benzaldehyde	8.33	77	7006	3.428	ng	95
19) n-Nitroso-di-n-propylamine	10.02	70	36359	15.685	ng	# 69
50) 2,6-Dinitrotoluene	15.45	165	17073	7.868	ng	# 18
56) 2,4-Dinitrotoluene	15.45	165	17073	6.119	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.93	198	693	8.653	ng	# 38
66) 4-Bromophenyl-phenylether	16.93	248	28697	5.853	ng	# 1

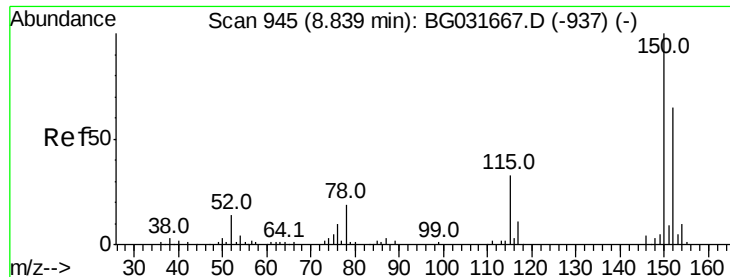
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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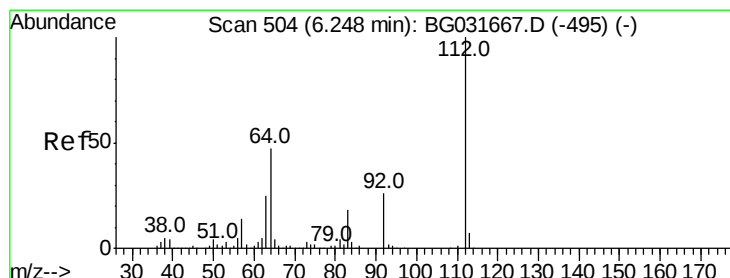
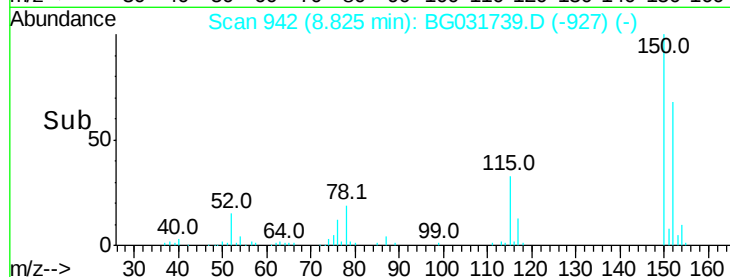
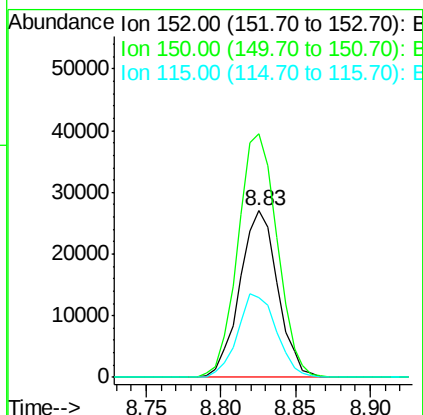
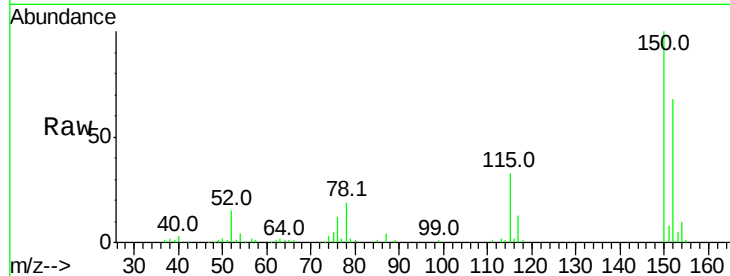


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.83 min Scan# 942
Delta R.T. -0.01 min
Lab File: BG031739.D
Acq: 23 Dec 2017 8:54

Instrument :
BNA_G
ClientSampleId :
LIC-PY-FIELD-BLANK-1-12.20.17

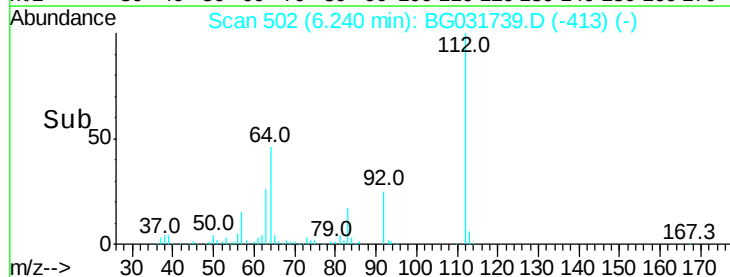
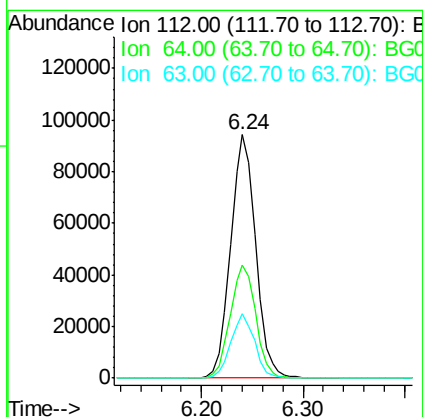
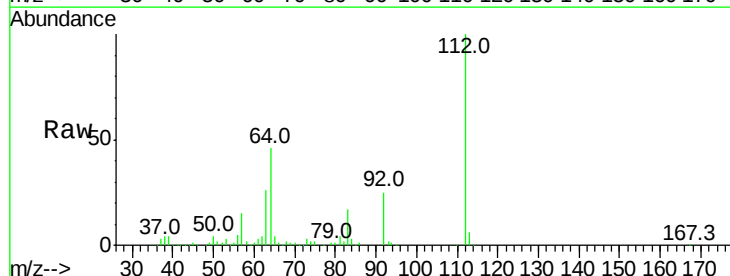
Tot Ion:152 Resp: 47618
Ion Ratio Lower Upper
152 100
150 146.0 126.6 189.8
115 48.0 53.0 79.4#

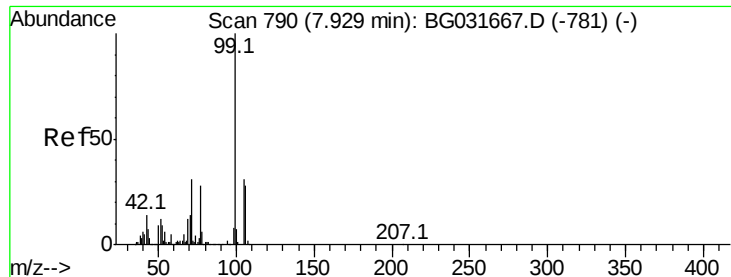


#5

2-Fluorophenol
Concen: 61.567 ng
RT: 6.24 min Scan# 502
Delta R.T. -0.01 min
Lab File: BG031739.D
Acq: 23 Dec 2017 8:54

Tgt Ion:112 Resp: 160961
Ion Ratio Lower Upper
112 100
64 46.3 56.3 84.5#
63 26.2 30.1 45.1#





#7

Phenol-d6

Concen: 36.543 ng

RT: 7.91 min Scan# 787

Delta R.T. -0.01 min

Lab File: BG031739.D

Acq: 23 Dec 2017 8:54

Instrument :

BNA_G

ClientSampleId :

LIC-PY-FIELD-BLANK-1-12.20.17

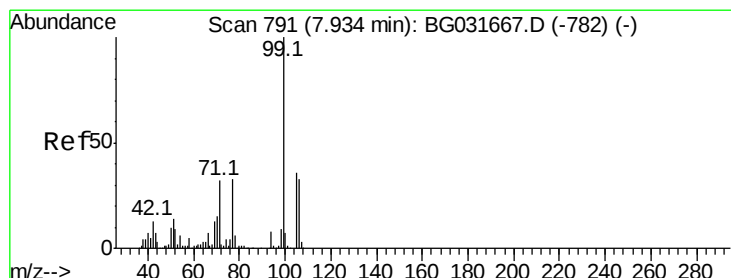
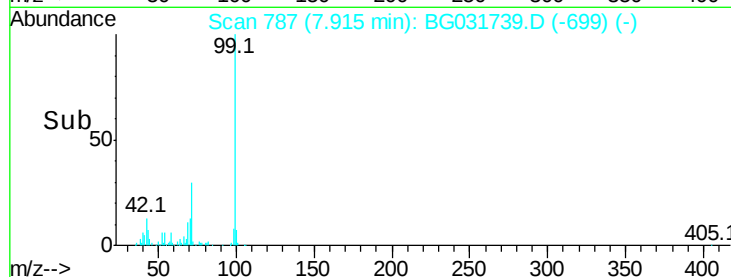
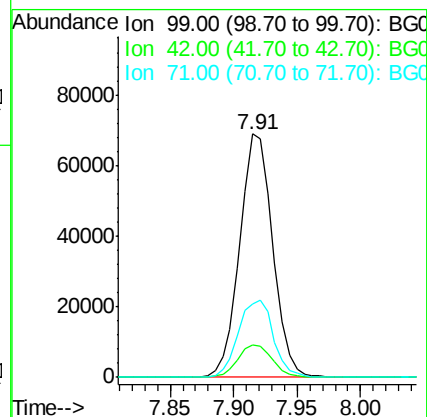
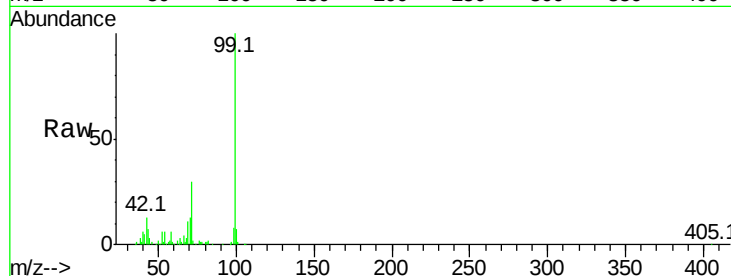
Tot Ion: 99 Resp: 124039

Ion Ratio Lower Upper

99 100

42 13.3 14.1 21.1#

71 30.3 26.1 39.1



#9

Benzaldehyde

Concen: 3.428 ng

RT: 8.33 min Scan# 858

Delta R.T. 0.40 min

Lab File: BG031739.D

Acq: 23 Dec 2017 8:54

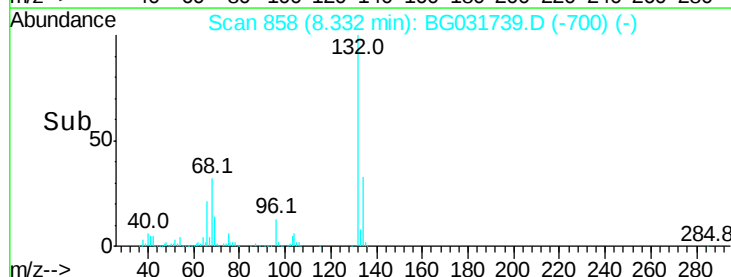
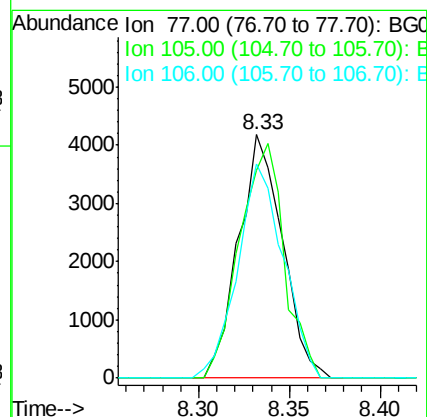
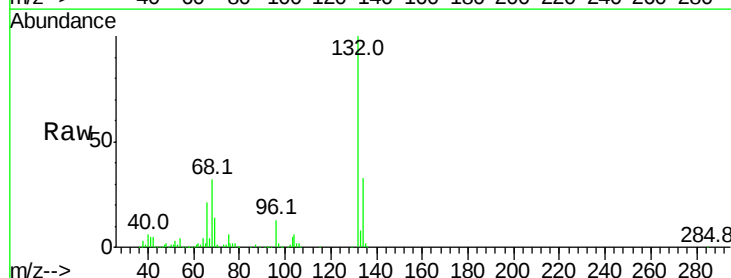
Tgt Ion: 77 Resp: 7006

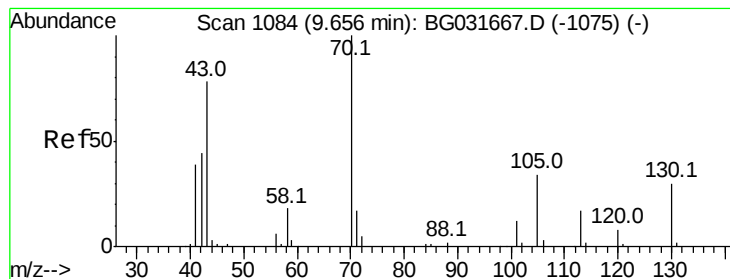
Ion Ratio Lower Upper

77 100

105 85.2 71.3 111.3

106 88.2 64.2 104.2





#19

n-Nitroso-di-n-propylamine

Concen: 15.685 ng

RT: 10.02 min Scan# 1146

Delta R.T. 0.37 min

Lab File: BG031739.D

Acq: 23 Dec 2017 8:54

Instrument :

BNA_G

ClientSampleId :

LIC-PY-FIELD-BLANK-1-12.20.17

Tot Ion: 70 Resp: 36359

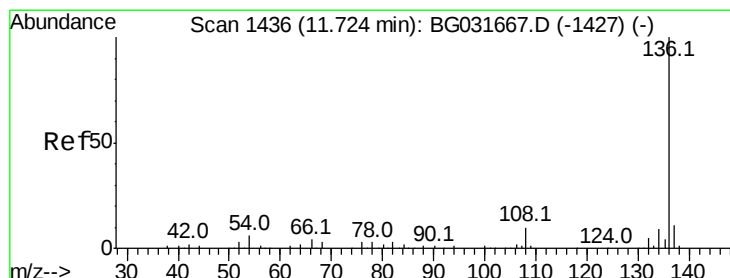
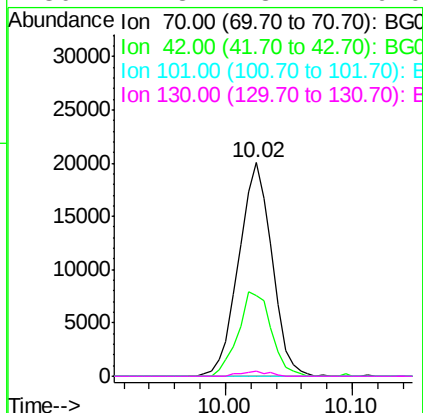
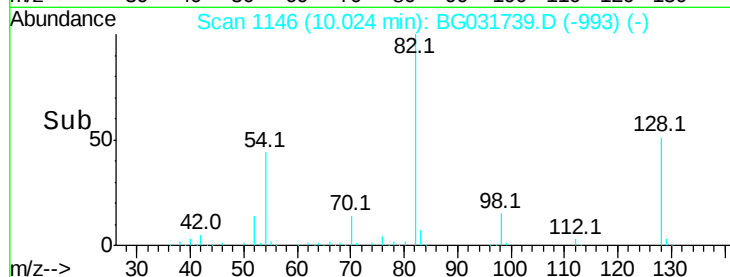
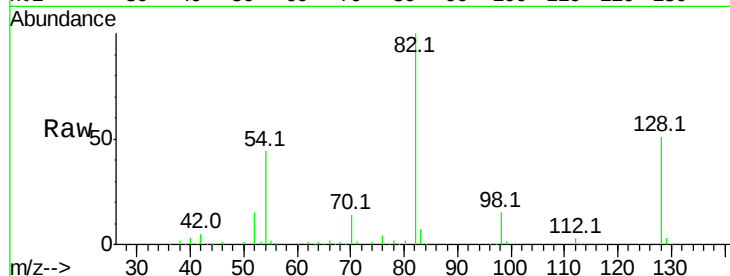
Ion Ratio Lower Upper

70 100

42 37.8 49.1 73.7#

101 0.0 8.5 12.7#

130 2.3 13.4 20.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.71 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BG031739.D

Acq: 23 Dec 2017 8:54

Tgt Ion: 136 Resp: 193482

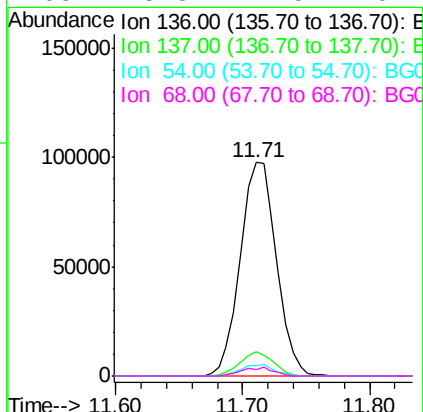
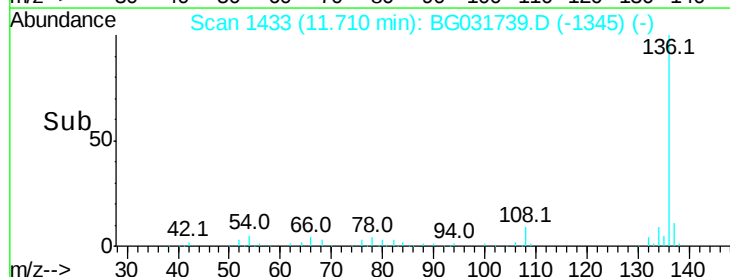
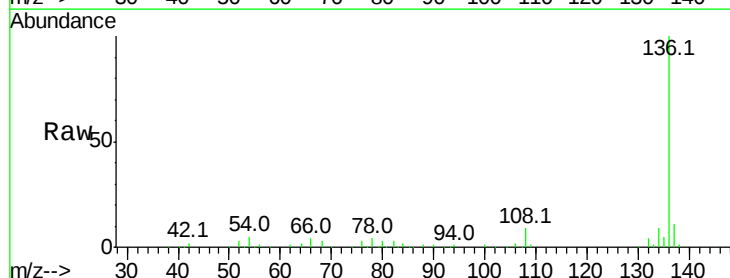
Ion Ratio Lower Upper

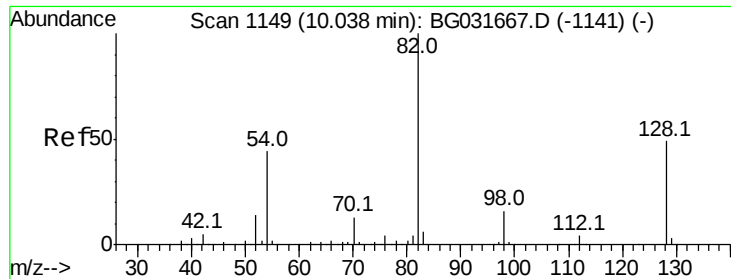
136 100

137 11.3 9.2 13.8

54 5.0 10.3 15.5#

68 3.3 4.5 6.7#

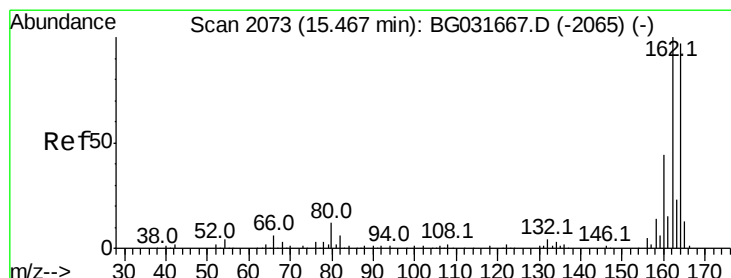
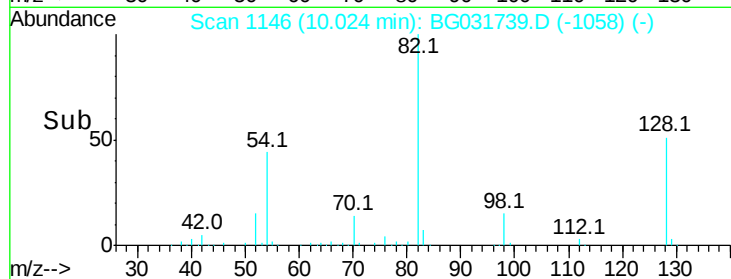
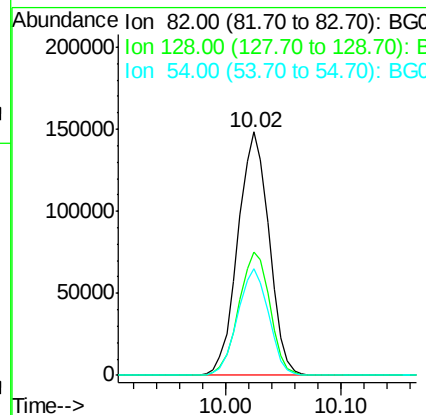
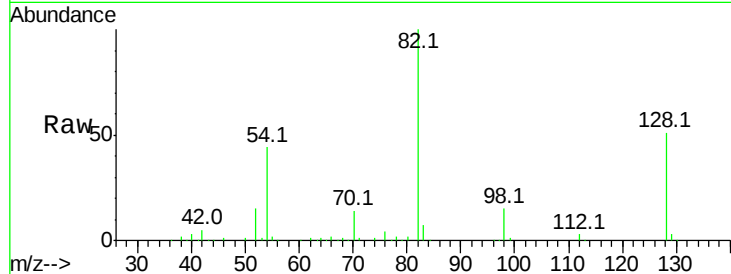




#23
 Nitrobenzene-d5
 Concen: 108.184 ng
 RT: 10.02 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BG031739.D
 Acq: 23 Dec 2017 8:54

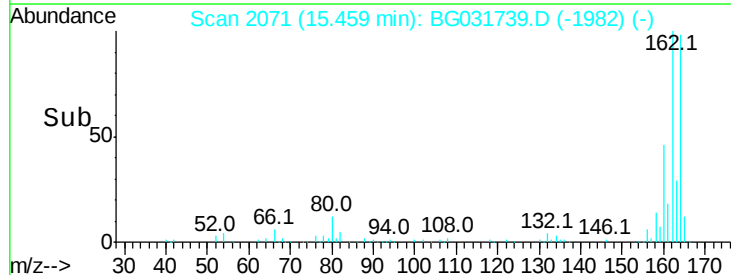
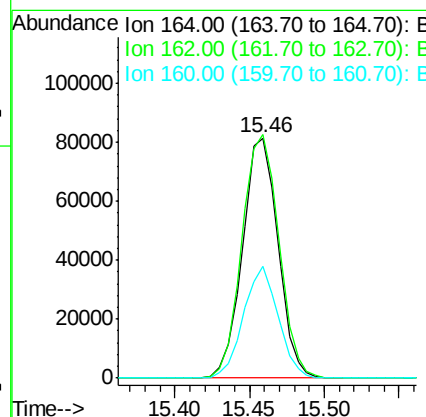
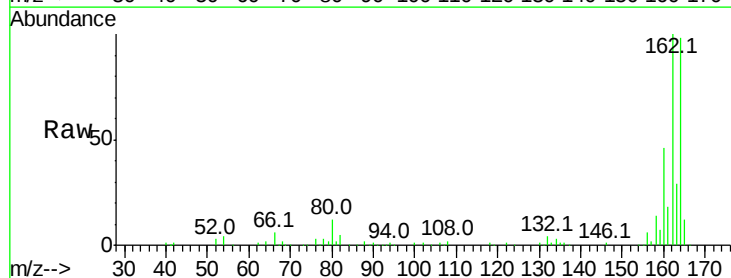
Instrument :
 BNA_G
 ClientSampleId :
 LIC-PY-FIELD-BLANK-1-12.20.17

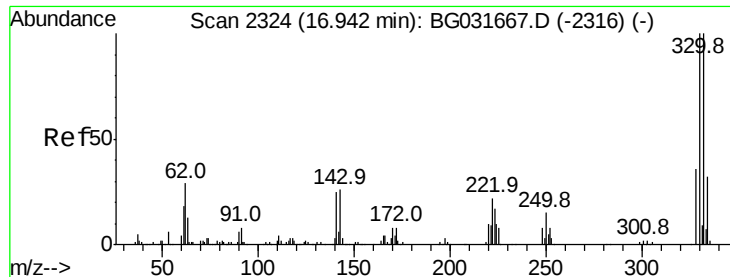
Tot Ion	Ratio	Lower	Upper
82	100		
128	50.8	29.7	44.5#
54	43.6	43.1	64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: BG031739.D
 Acq: 23 Dec 2017 8:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	78.8	118.2
160	46.7	35.4	53.0





#41

2,4,6-Tribromophenol

Concen: 173.283 ng

RT: 16.93 min Scan# 2322

Delta R.T. -0.01 min

Lab File: BG031739.D

Acq: 23 Dec 2017 8:54

Instrument :

BNA_G

ClientSampleId :

LIC-PY-FIELD-BLANK-1-12.20.17

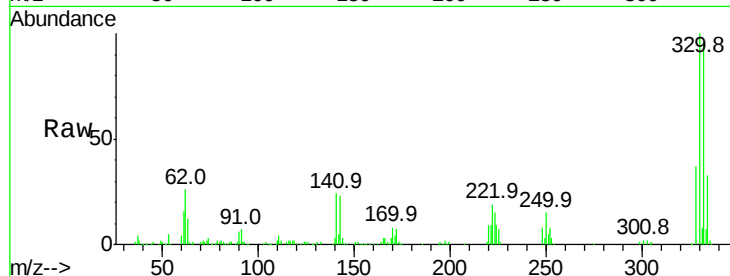
Tot Ion:330 Resp: 354007

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

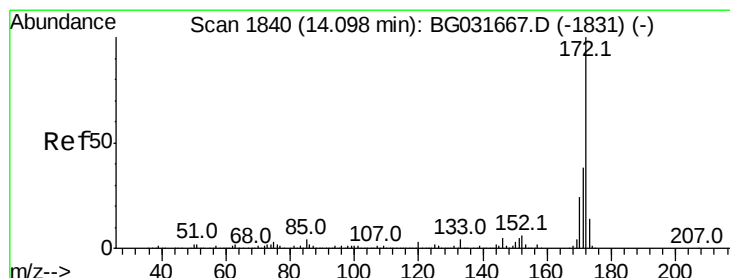
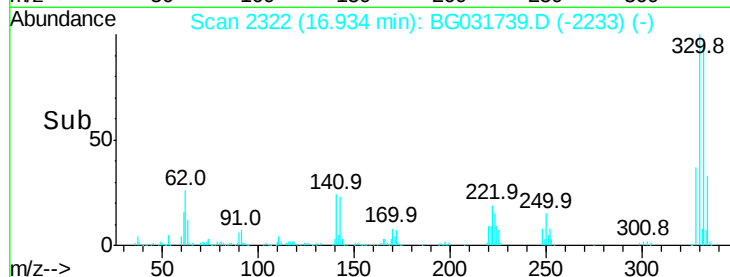
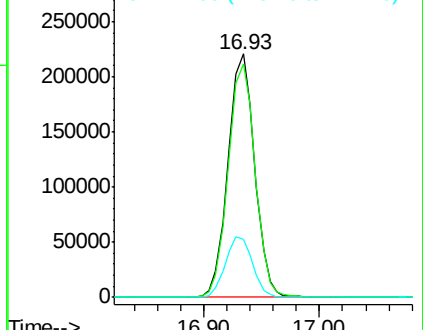
141 25.3 25.2 37.8



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: 98.545 ng

RT: 14.08 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BG031739.D

Acq: 23 Dec 2017 8:54

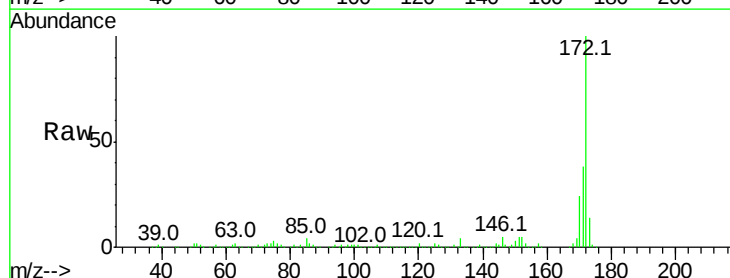
Tgt Ion:172 Resp: 1051205

Ion Ratio Lower Upper

172 100

171 37.8 30.0 45.0

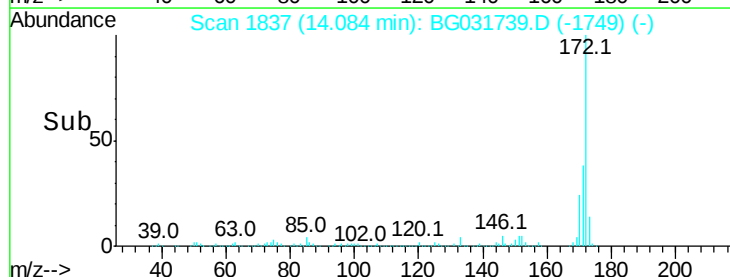
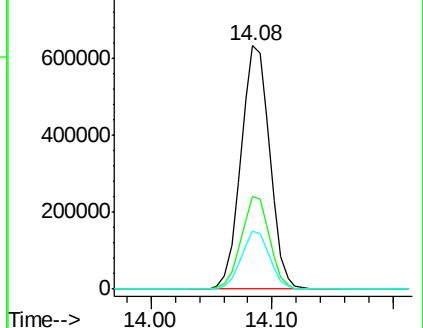
170 23.9 19.5 29.3

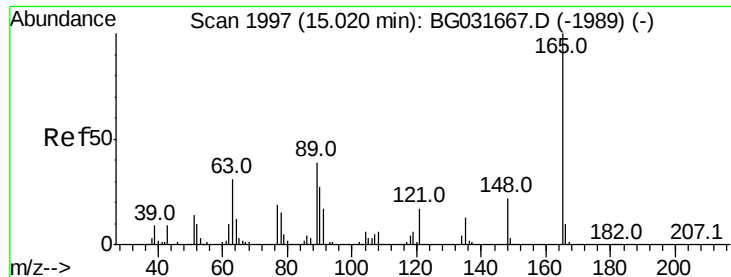


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

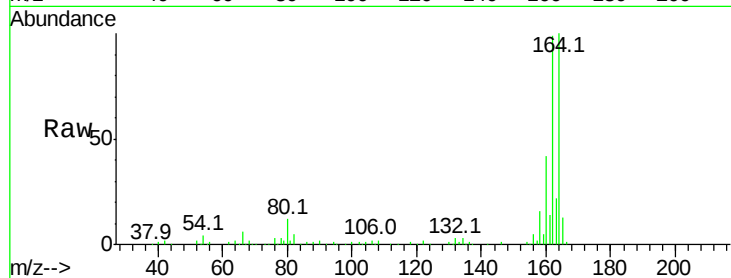




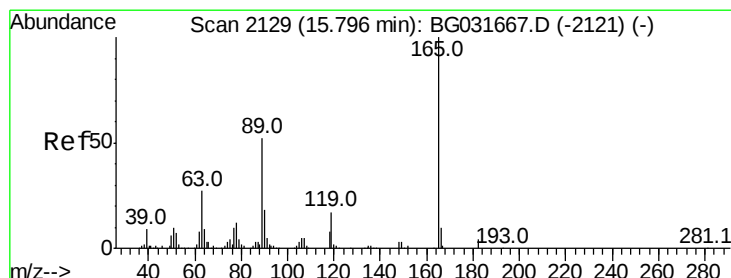
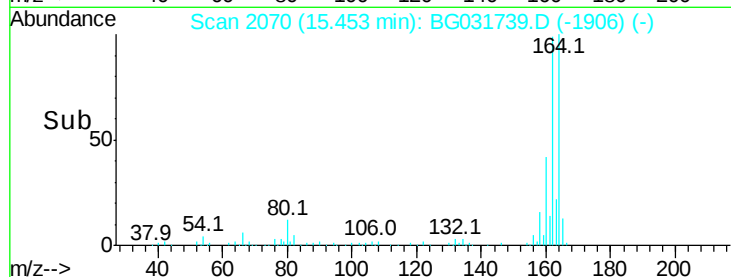
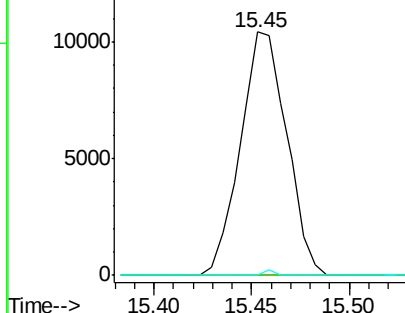
#50
2,6-Dinitrotoluene
Concen: 7.868 ng
RT: 15.45 min Scan# 2070
Delta R.T. 0.43 min
Lab File: BG031739.D
Acq: 23 Dec 2017 8:54

Instrument :
BNA_G
ClientSampleId :
LIC-PY-FIELD-BLANK-1-12.20.17

Tot Ion:165 Resp: 17073
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#

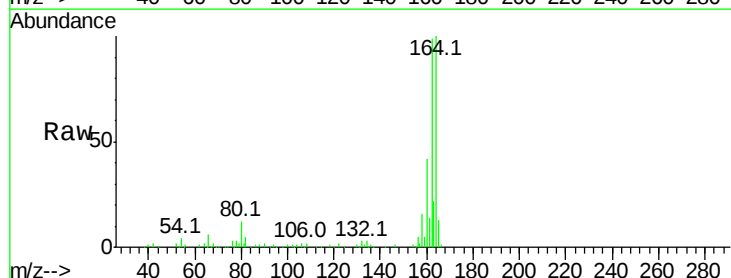


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

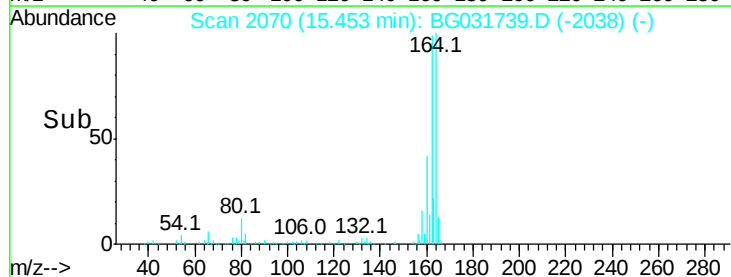
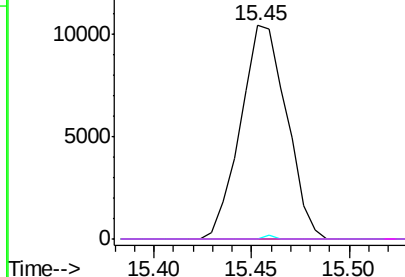


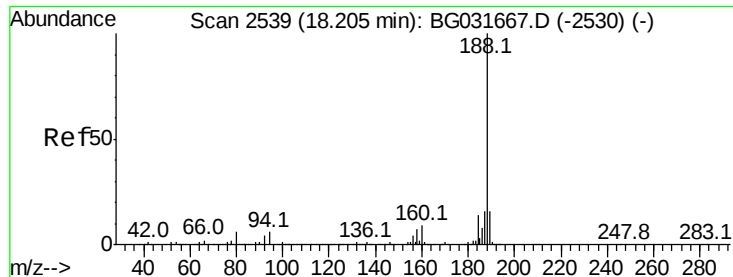
#56
2,4-Dinitrotoluene
Concen: 6.119 ng
RT: 15.45 min Scan# 2070
Delta R.T. -0.34 min
Lab File: BG031739.D
Acq: 23 Dec 2017 8:54

Tgt Ion:165 Resp: 17073
Ion Ratio Lower Upper
165 100
63 0.0 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

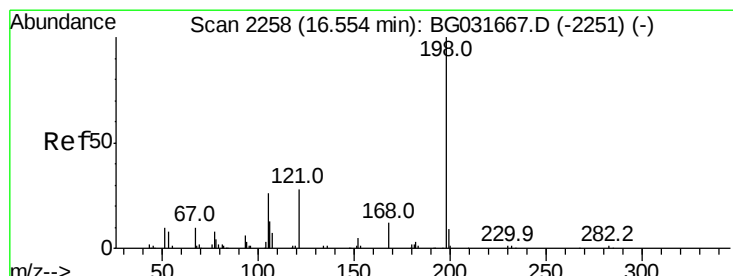
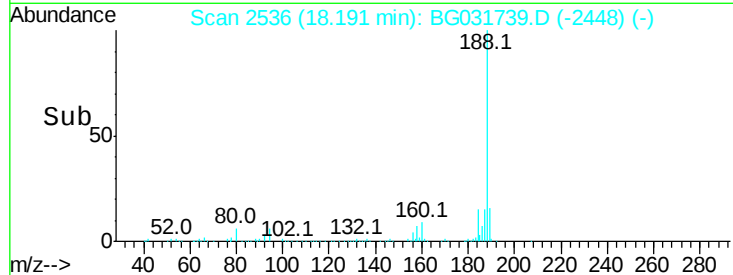
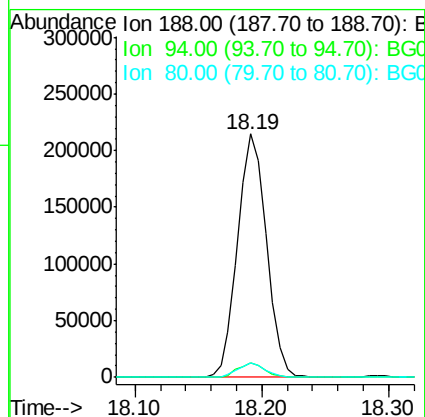
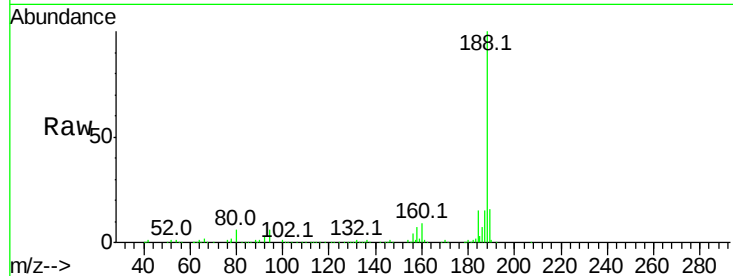




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.19 min Scan# 2536
Delta R.T. -0.01 min
Lab File: BG031739.D
Acq: 23 Dec 2017 8:54

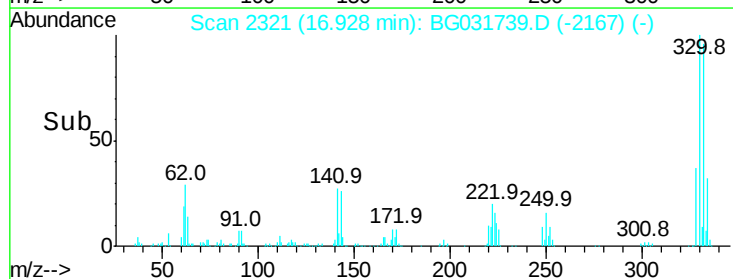
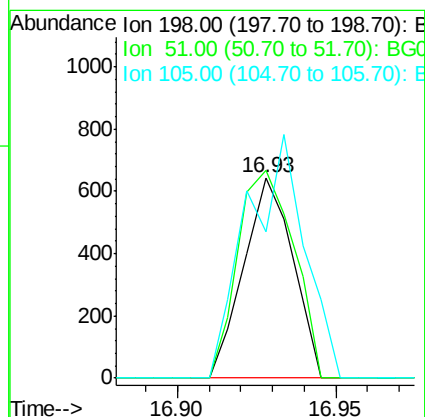
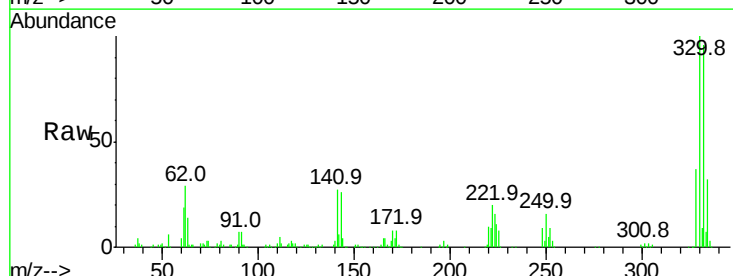
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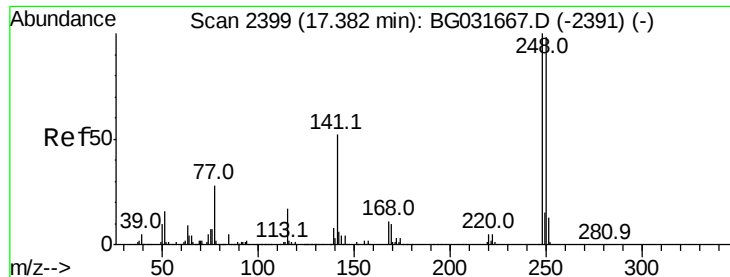
Tot Ion:188 Resp: 339029
Ion Ratio Lower Upper
188 100
94 6.0 6.9 10.3#
80 5.9 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 8.653 ng
RT: 16.93 min Scan# 2321
Delta R.T. 0.37 min
Lab File: BG031739.D
Acq: 23 Dec 2017 8:54

Tgt Ion:198 Resp: 693
Ion Ratio Lower Upper
198 100
51 103.9 30.6 70.6#
105 73.3 23.8 63.8#

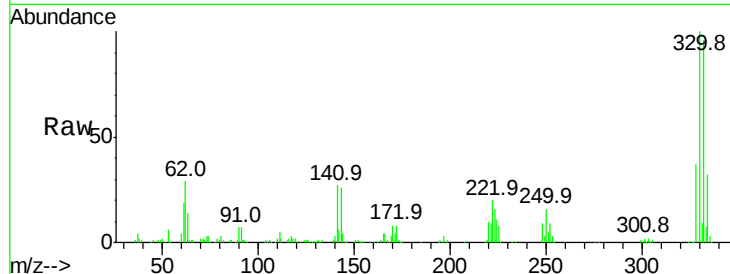




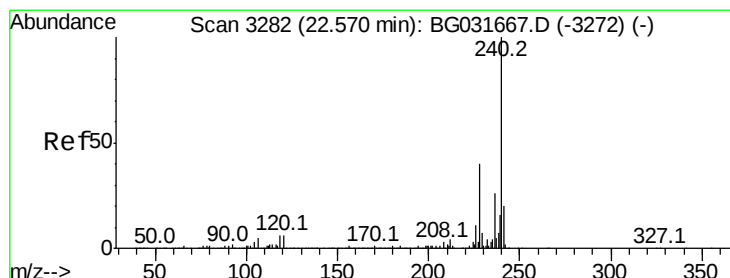
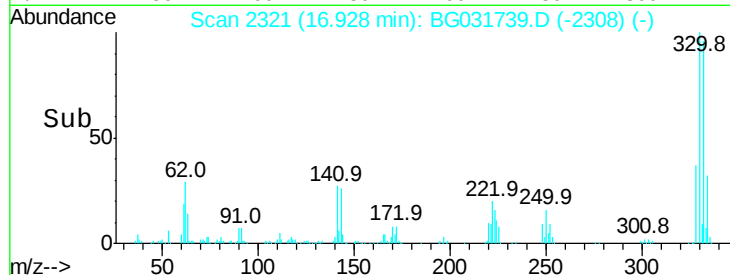
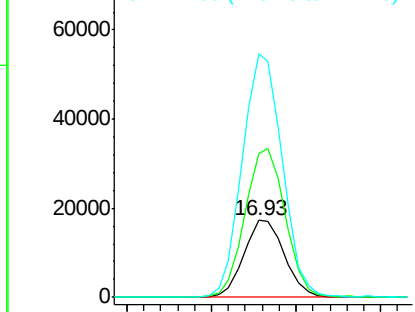
#66
4-Bromophenyl-phenylether
Concen: 5.853 ng
RT: 16.93 min Scan# 2321
Delta R.T. -0.45 min
Lab File: BG031739.D
Acq: 23 Dec 2017 8:54

Instrument :
BNA_G
ClientSampleId :
LIC-PY-FIELD-BLANK-1-12.20.17

Tot Ion:248 Resp: 28697
Ion Ratio Lower Upper
248 100
250 186.6 77.1 115.7#
141 315.5 50.8 76.2#

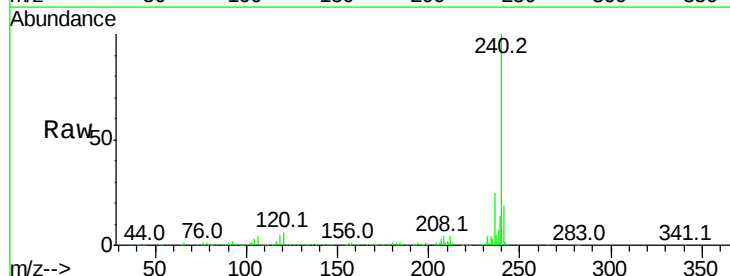


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

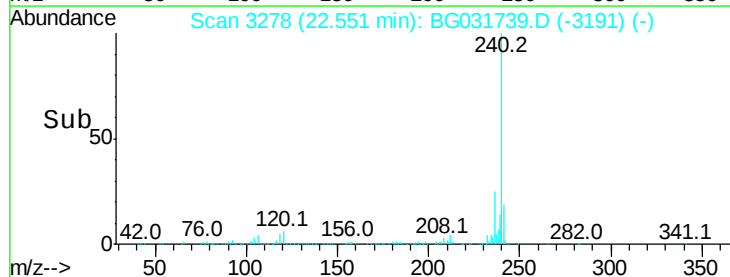
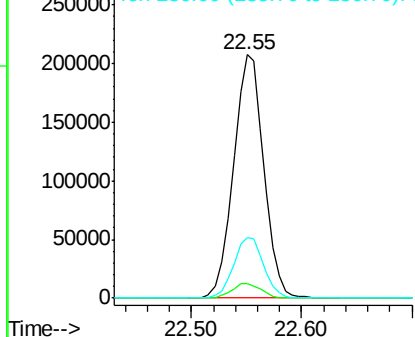


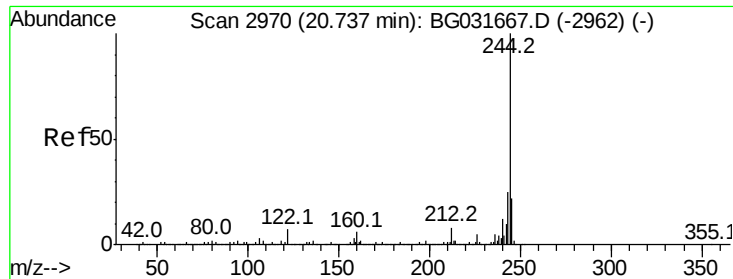
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.55 min Scan# 3278
Delta R.T. -0.02 min
Lab File: BG031739.D
Acq: 23 Dec 2017 8:54

Tgt Ion:240 Resp: 397468
Ion Ratio Lower Upper
240 100
120 6.2 6.8 10.2#
236 24.7 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: 107.831 ng

RT: 20.73 min Scan# 2968

Delta R.T. -0.01 min

Lab File: BG031739.D

Acq: 23 Dec 2017 8:54

Instrument :

BNA_G

ClientSampleId :

LIC-PY-FIELD-BLANK-1-12.20.17

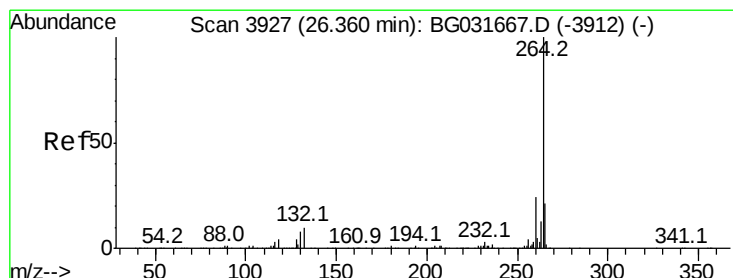
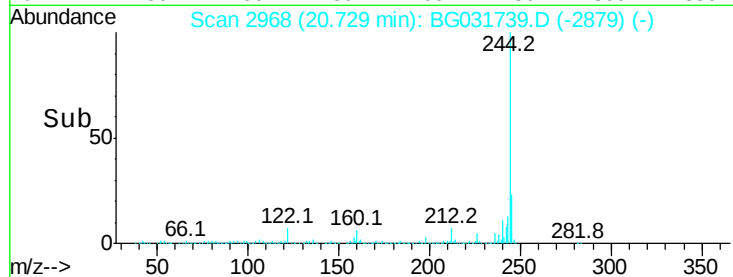
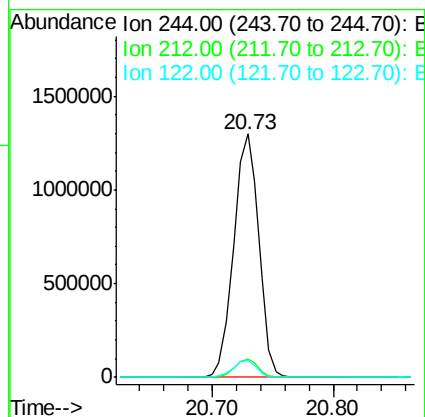
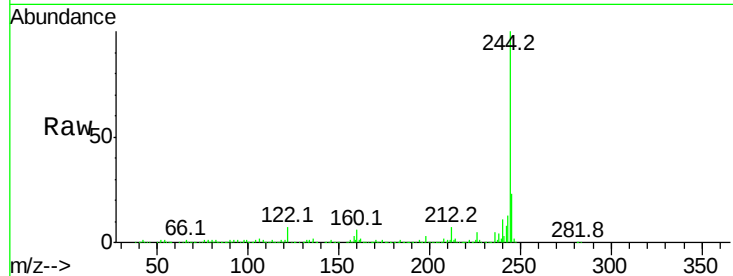
Tot Ion:244 Resp: 1875980

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

122 6.8 7.0 10.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.34 min Scan# 3923

Delta R.T. -0.02 min

Lab File: BG031739.D

Acq: 23 Dec 2017 8:54

Tgt Ion:264 Resp: 418964

Ion Ratio Lower Upper

264 100

260 22.5 17.4 26.0

265 21.8 17.7 26.5

