

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122217\
 Data File : BG031741.D
 Acq On : 23 Dec 2017 10:09
 Operator : SJ/JU
 Sample : I7040-07
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PZ-3

Quant Time: Dec 25 04:44:49 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

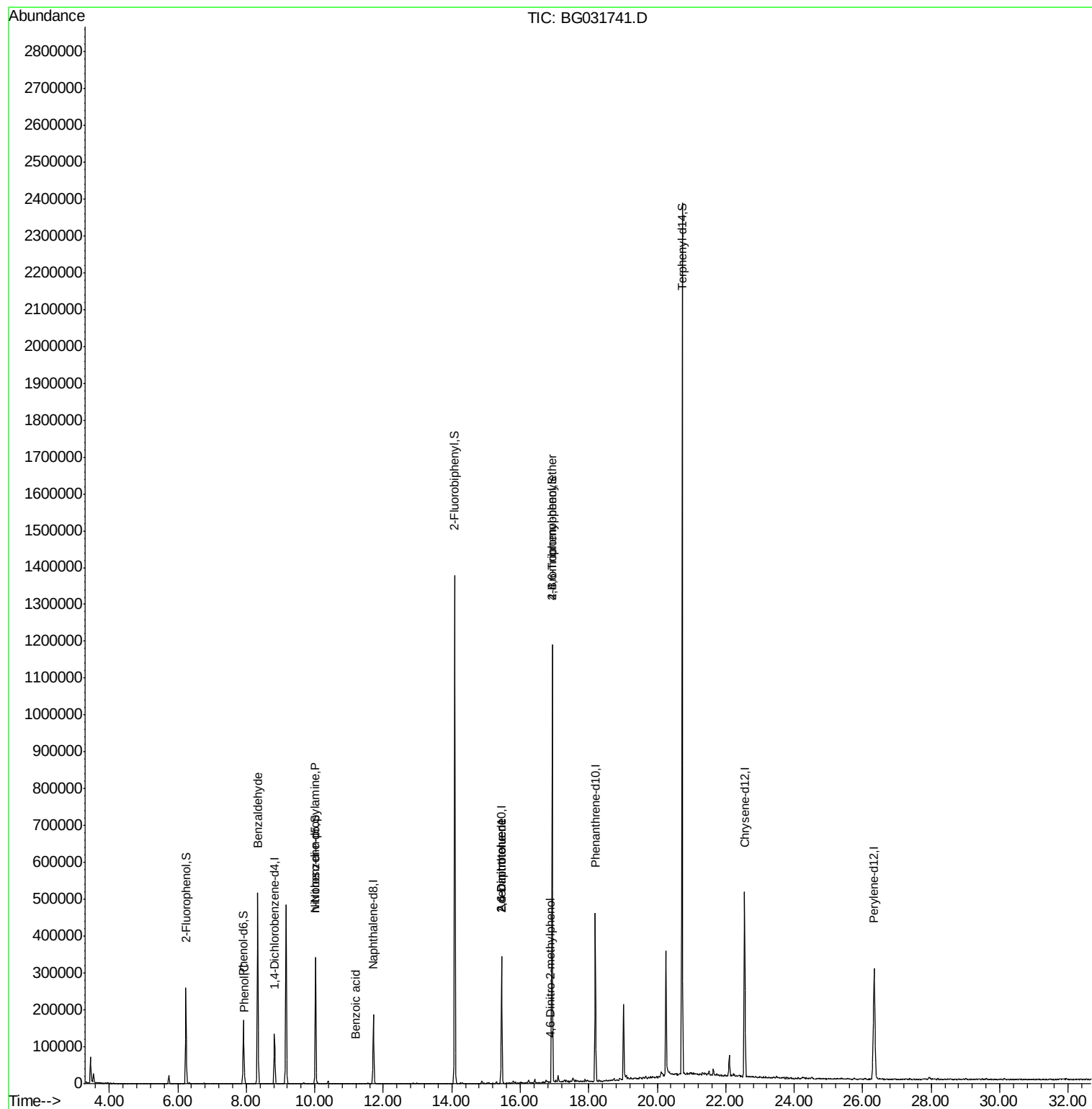
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.82	152	46459	20.00	ng	-0.02
21) Naphthalene-d8	11.71	136	193961	20.00	ng	-0.01
38) Acenaphthene-d10	15.46	164	133904	20.00	ng	-0.01
63) Phenanthrene-d10	18.19	188	324946	20.00	ng	-0.02
75) Chrysene-d12	22.55	240	379659	20.00	ng	-0.02
86) Perylene-d12	26.33	264	410319	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	6.24	112	147598	57.86	ng	0.00
7) Phenol-d6	7.92	99	119809	36.18	ng	-0.01
23) Nitrobenzene-d5	10.02	82	225979	87.98	ng	-0.02
41) 2,4,6-Tribromophenol	16.93	330	284132	139.06	ng	-0.01
44) 2-Fluorobiphenyl	14.09	172	850071	79.68	ng	-0.01
78) Terphenyl-d14	20.73	244	1276351	76.81	ng	-0.01
Target Compounds						
9) Benzaldehyde	8.33	77	6489	3.254	ng	# 80
10) Phenol	7.94	94	15023	4.493	ng	# 94
19) n-Nitroso-di-n-propylamine	10.02	70	30559	13.512	ng	# 71
32) Benzoic acid	11.20	122	59	6.720	ng	# 1
50) 2,6-Dinitrotoluene	15.46	165	17440	8.037	ng	# 19
56) 2,4-Dinitrotoluene	15.46	165	17440	6.250	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.86	198	59	8.337	ng	# 14
66) 4-Bromophenyl-phenylether	16.93	248	21777	4.634	ng	# 1

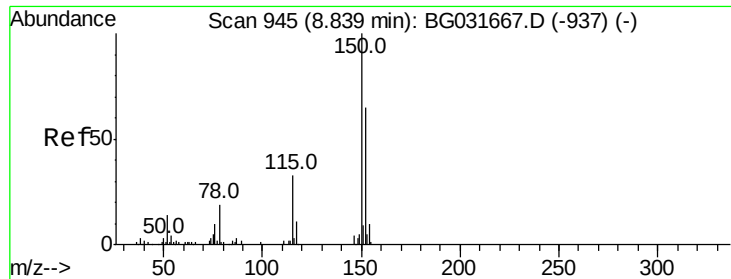
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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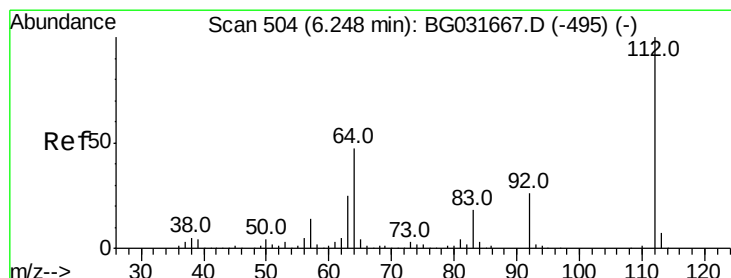
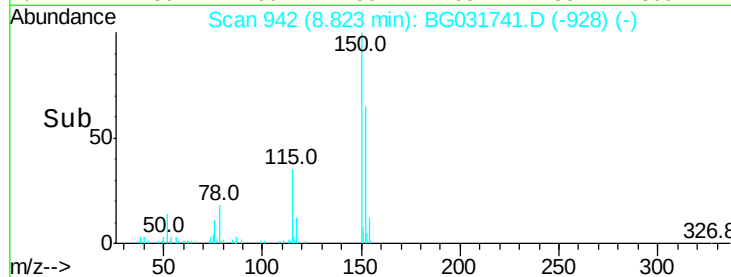
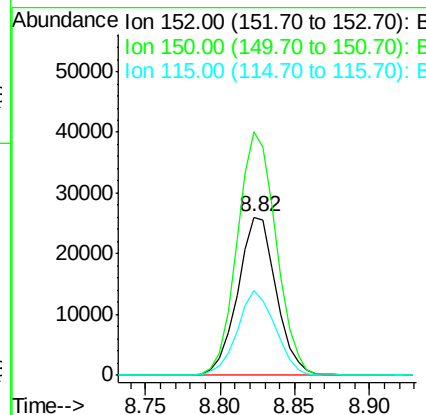
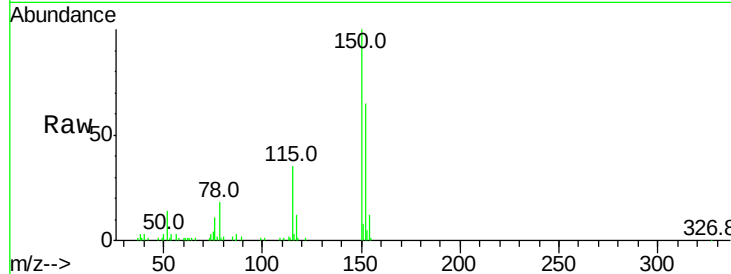


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.82 min Scan# 942
Delta R.T. -0.02 min
Lab File: BG031741.D
Acq: 23 Dec 2017 10:09

Instrument :
BNA_G
ClientSampleId :
PZ-3

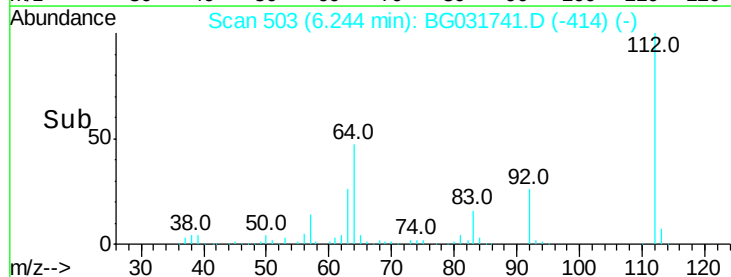
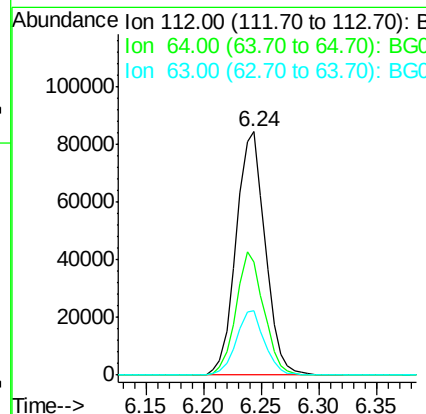
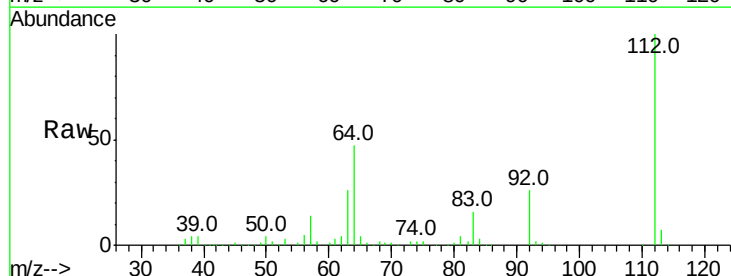
Tot Ion:152 Resp: 46459
Ion Ratio Lower Upper
152 100
150 154.1 126.6 189.8
115 54.1 53.0 79.4

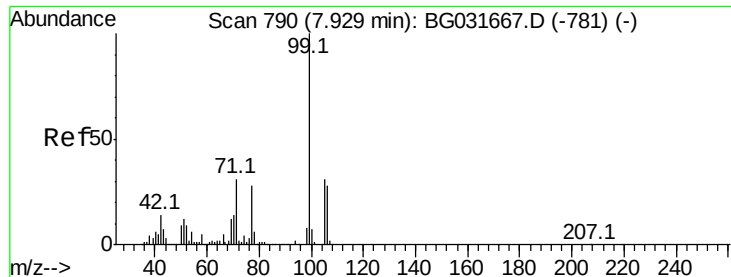


#5

2-Fluorophenol
Concen: 57.865 ng
RT: 6.24 min Scan# 503
Delta R.T. -0.00 min
Lab File: BG031741.D
Acq: 23 Dec 2017 10:09

Tgt Ion:112 Resp: 147598
Ion Ratio Lower Upper
112 100
64 46.7 56.3 84.5#
63 26.3 30.1 45.1#





#7

Phenol-d6

Concen: 36.177 ng

RT: 7.92 min Scan# 788

Delta R.T. -0.01 min

Lab File: BG031741.D

Acq: 23 Dec 2017 10:09

Instrument :

BNA_G

ClientSampleId :

PZ-3

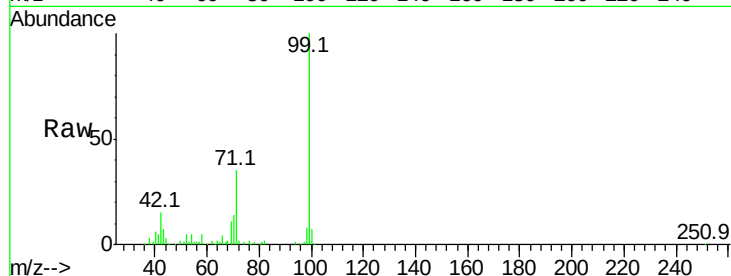
Tot Ion: 99 Resp: 119809

Ion Ratio Lower Upper

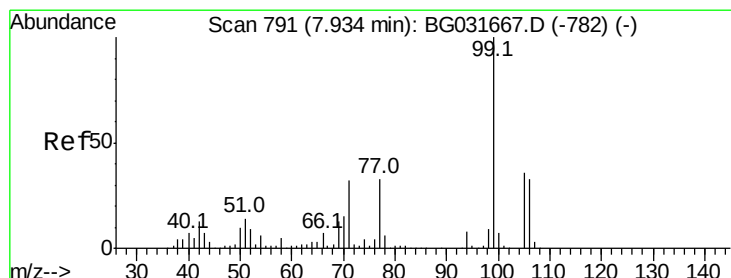
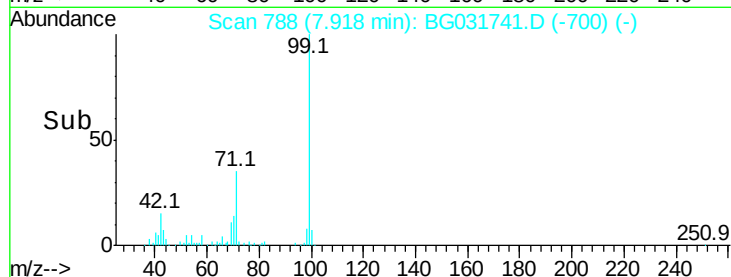
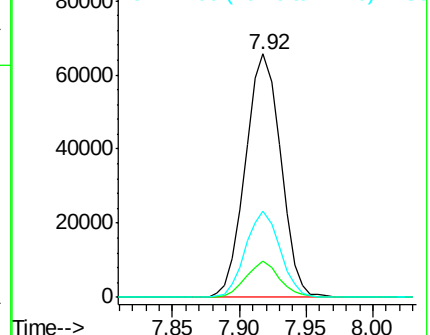
99 100

42 14.8 14.1 21.1

71 35.2 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



#9

Benzaldehyde

Concen: 3.254 ng

RT: 8.33 min Scan# 858

Delta R.T. 0.39 min

Lab File: BG031741.D

Acq: 23 Dec 2017 10:09

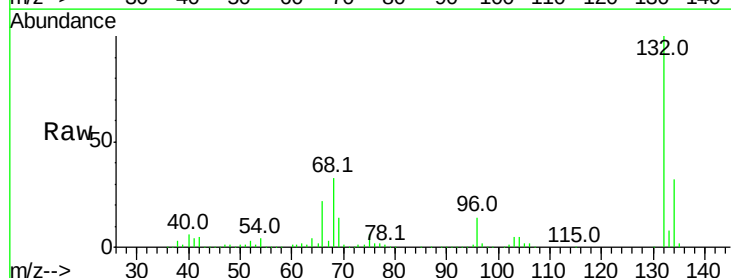
Tgt Ion: 77 Resp: 6489

Ion Ratio Lower Upper

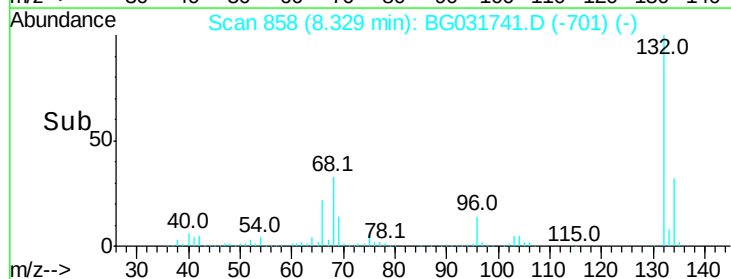
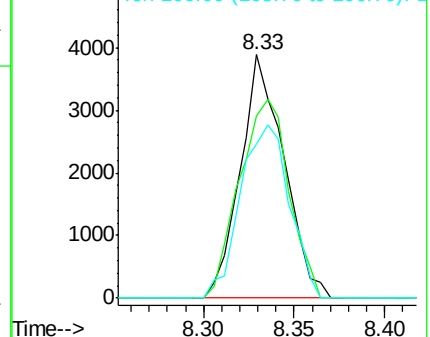
77 100

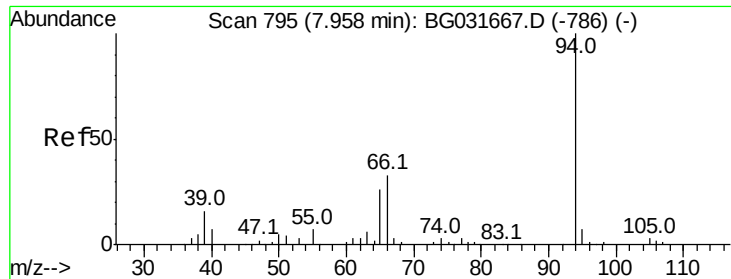
105 75.0 71.3 111.3

106 63.3 64.2 104.2#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC





#10

Phenol

Concen: 4.493 ng

RT: 7.94 min Scan# 792

Delta R.T. -0.02 min

Lab File: BG031741.D

Acq: 23 Dec 2017 10:09

Instrument :

BNA_G

ClientSampled :

PZ-3

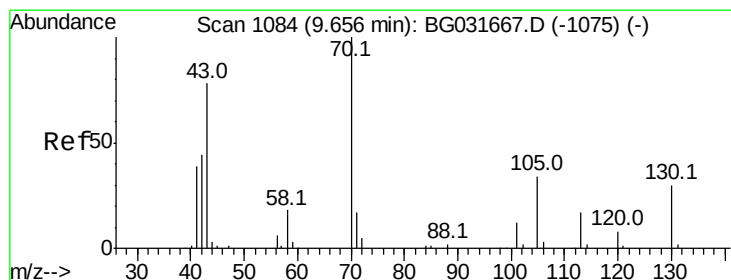
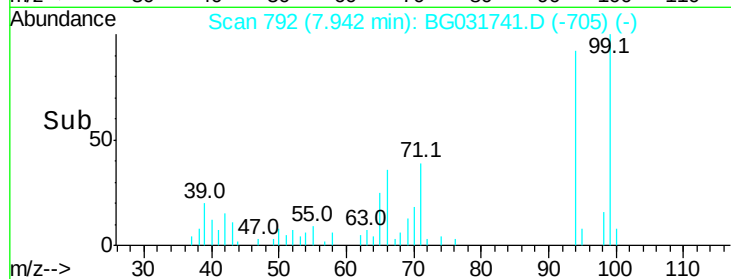
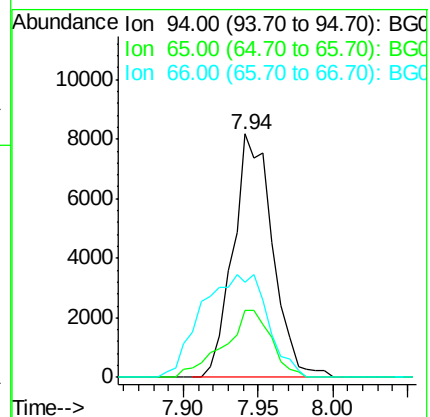
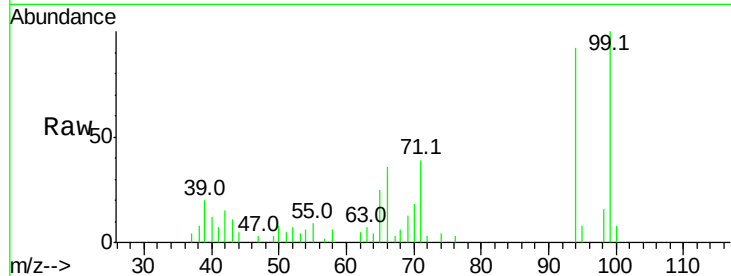
Tot Ion: 94 Resp: 15023

Ion Ratio Lower Upper

94 100

65 27.6 11.9 51.9

66 38.9 22.2 62.2



#19

n-Nitroso-di-n-propylamine

Concen: 13.512 ng

RT: 10.02 min Scan# 1146

Delta R.T. 0.37 min

Lab File: BG031741.D

Acq: 23 Dec 2017 10:09

Tgt Ion: 70 Resp: 30559

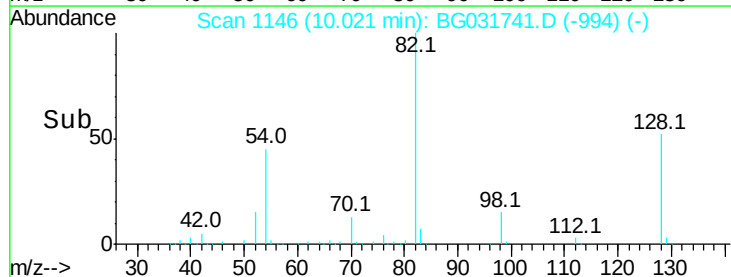
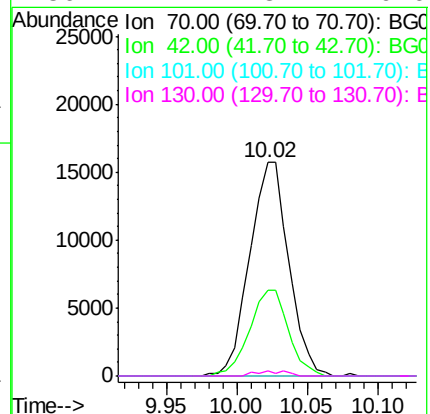
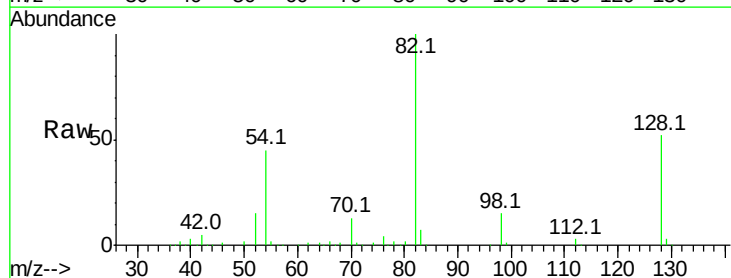
Ion Ratio Lower Upper

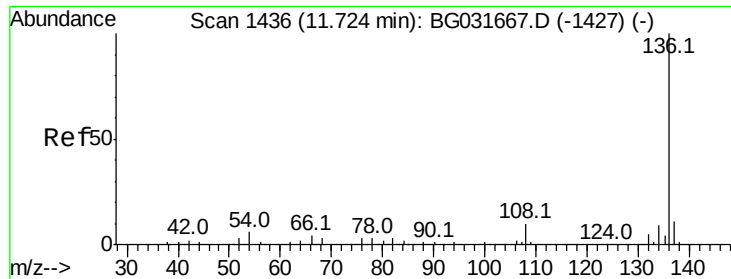
70 100

42 40.0 49.1 73.7#

101 0.0 8.5 12.7#

130 2.4 13.4 20.0#

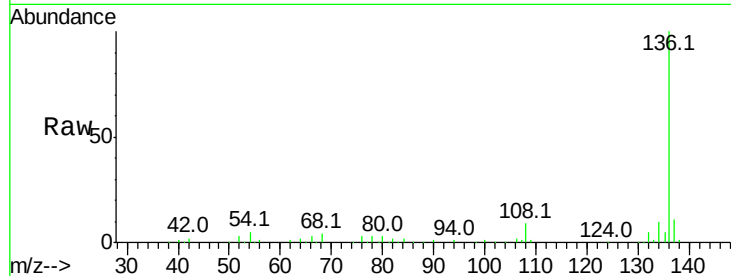




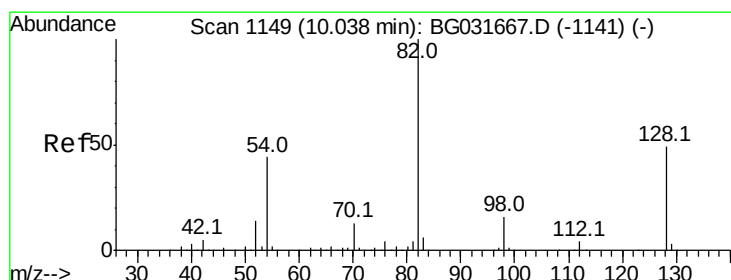
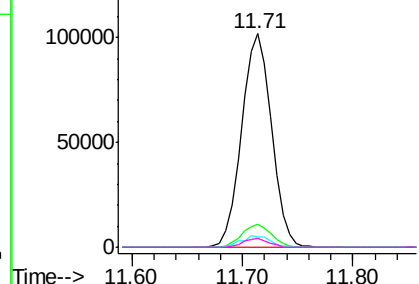
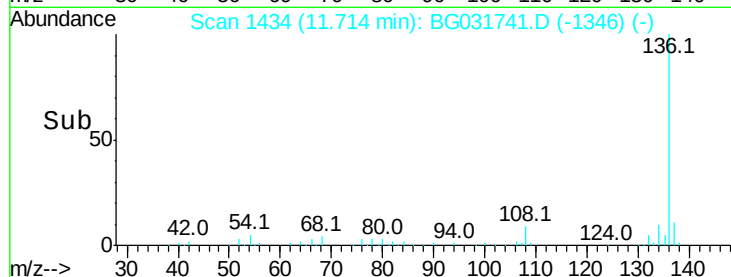
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.71 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BG031741.D
Acq: 23 Dec 2017 10:09

Instrument :
BNA_G
ClientSampleId :
PZ-3

Tot Ion:	136	Resp:	193961
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.2	13.8
54	4.6	10.3	15.5#
68	4.1	4.5	6.7#

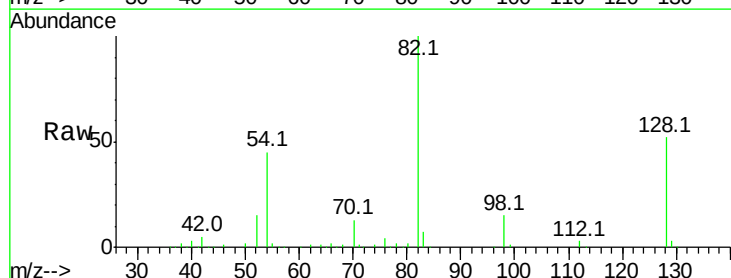


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

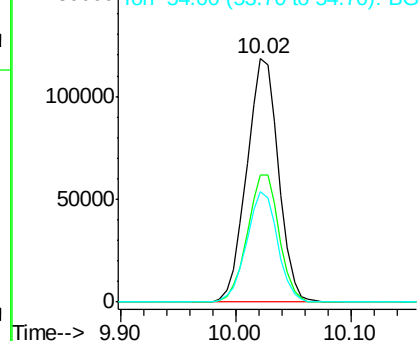
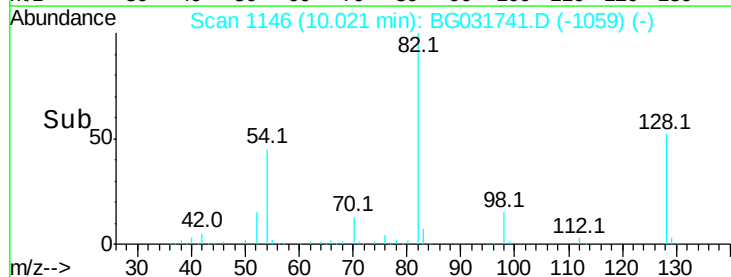


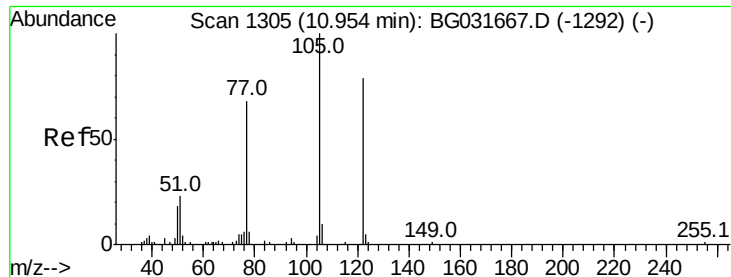
#23
Nitrobenzene-d5
Concen: 87.977 ng
RT: 10.02 min Scan# 1146
Delta R.T. -0.02 min
Lab File: BG031741.D
Acq: 23 Dec 2017 10:09

Tgt Ion:	82	Resp:	225979
Ion	Ratio	Lower	Upper
82	100		
128	52.4	29.7	44.5#
54	45.5	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: 6.720 ng

RT: 11.20 min Scan# 1347

Delta R.T. 0.25 min

Lab File: BG031741.D

Acq: 23 Dec 2017 10:09

Instrument :

BNA_G

ClientSampleId :

PZ-3

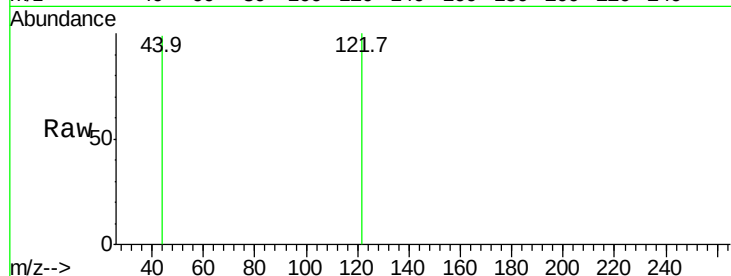
Tot Ion:122 Resp: 59

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): E

11.20

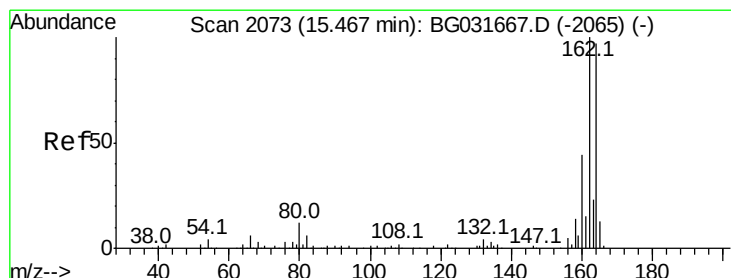
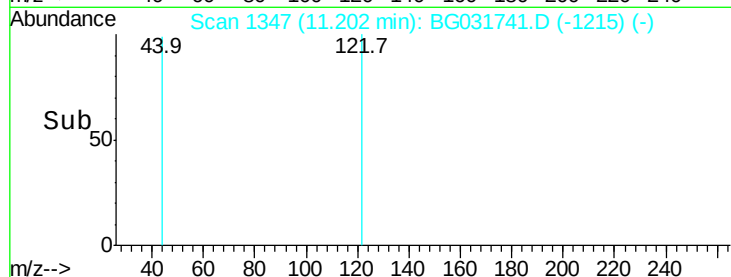
150

100

50

0

Time--> 11.18 11.20 11.22



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.46 min Scan# 2071

Delta R.T. -0.01 min

Lab File: BG031741.D

Acq: 23 Dec 2017 10:09

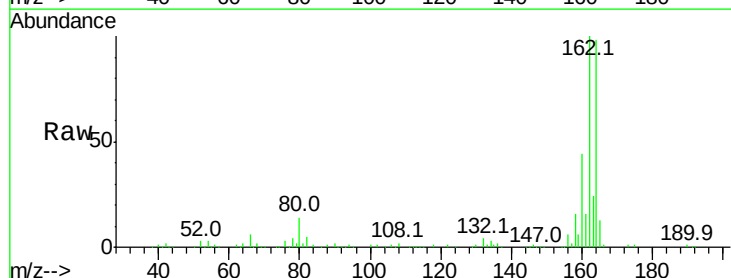
Tgt Ion:164 Resp: 133904

Ion Ratio Lower Upper

164 100

162 101.9 78.8 118.2

160 45.1 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

15.46

80000

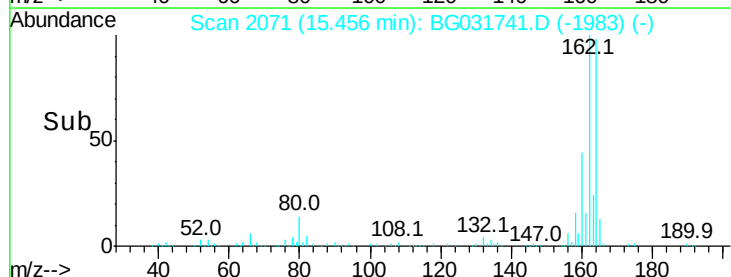
60000

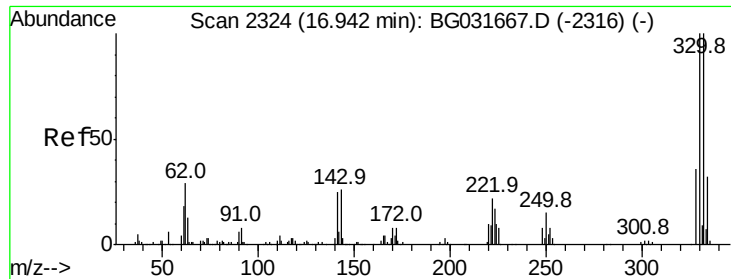
40000

20000

0

Time--> 15.40 15.45 15.50





#41

2,4,6-Tribromophenol

Concen: 139.063 ng

RT: 16.93 min Scan# 2322

Delta R.T. -0.01 min

Lab File: BG031741.D

Acq: 23 Dec 2017 10:09

Instrument :

BNA_G

ClientSampled :

PZ-3

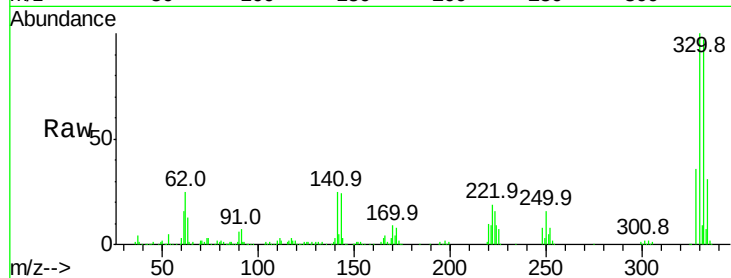
Tot Ion:330 Resp: 284132

Ion Ratio Lower Upper

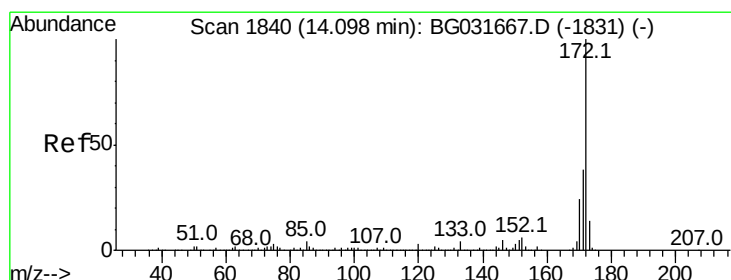
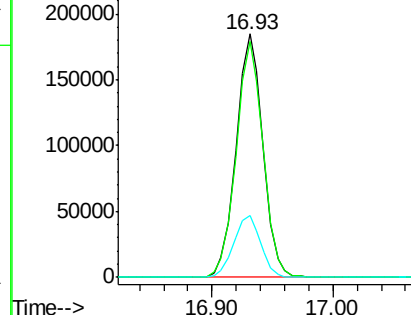
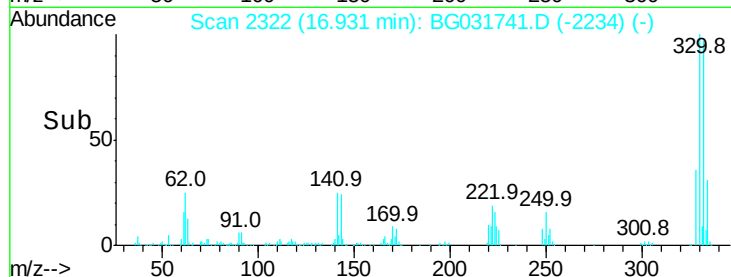
330 100

332 97.1 77.0 115.6

141 25.8 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: 79.680 ng

RT: 14.09 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BG031741.D

Acq: 23 Dec 2017 10:09

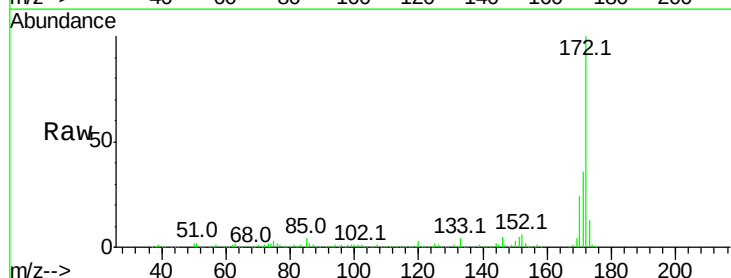
Tgt Ion:172 Resp: 850071

Ion Ratio Lower Upper

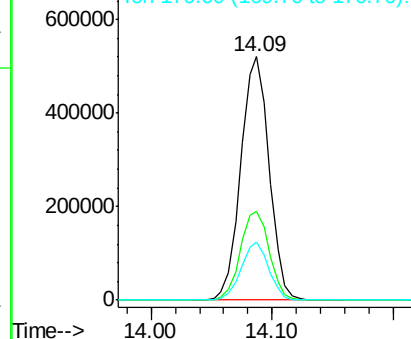
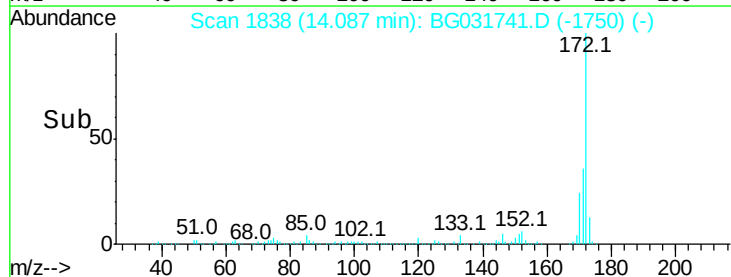
172 100

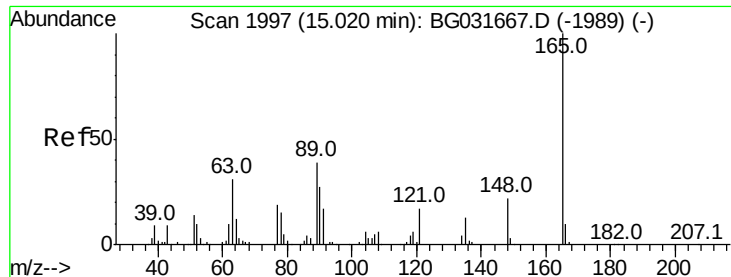
171 36.4 30.0 45.0

170 23.7 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

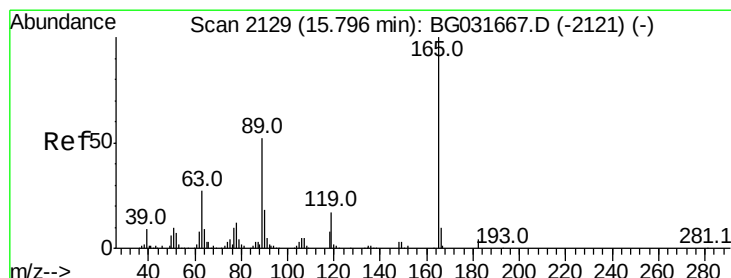
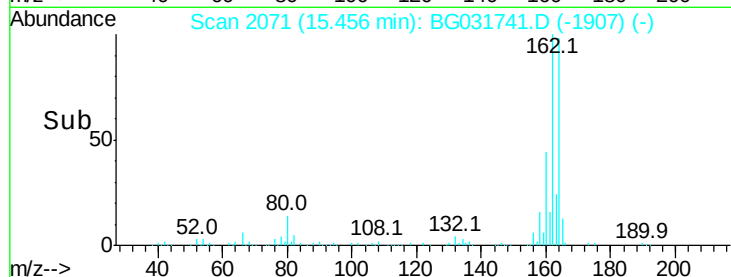
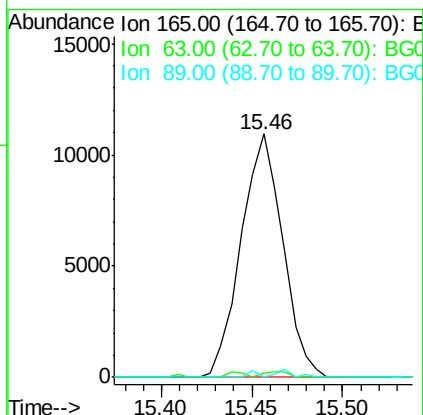
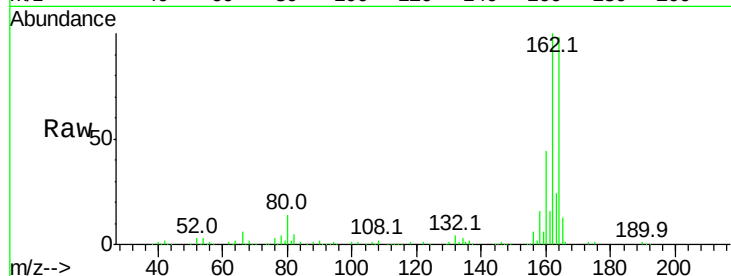




#50
 2,6-Dinitrotoluene
 Concen: 8.037 ng
 RT: 15.46 min Scan# 2071
 Delta R.T. 0.44 min
 Lab File: BG031741.D
 Acq: 23 Dec 2017 10:09

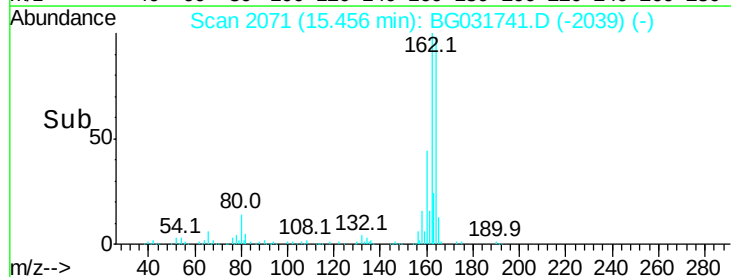
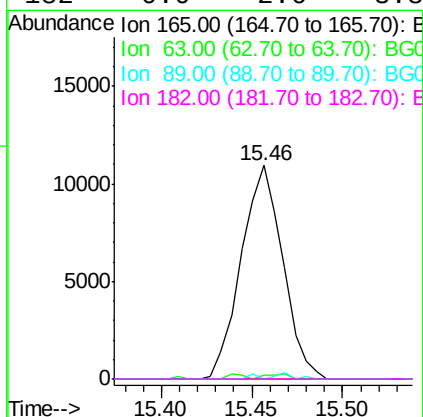
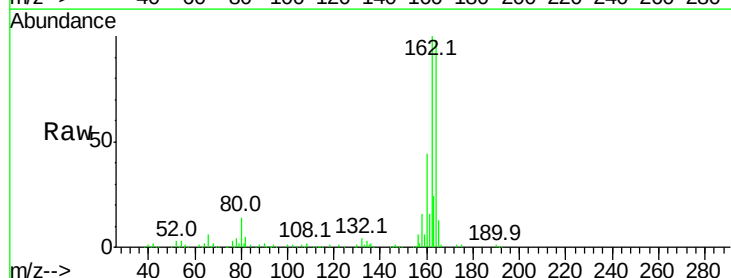
Instrument :
 BNA_G
 ClientSampleId :
 PZ-3

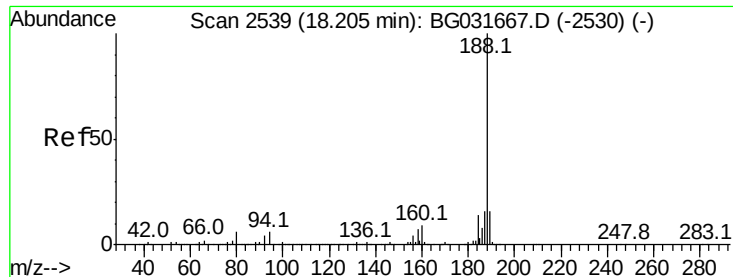
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	52.7	79.1#
89	0.0	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 6.250 ng
 RT: 15.46 min Scan# 2071
 Delta R.T. -0.34 min
 Lab File: BG031741.D
 Acq: 23 Dec 2017 10:09

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#

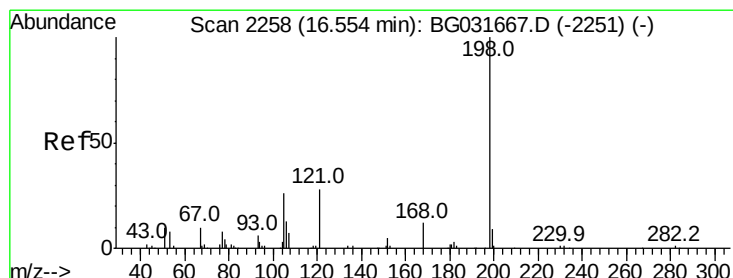
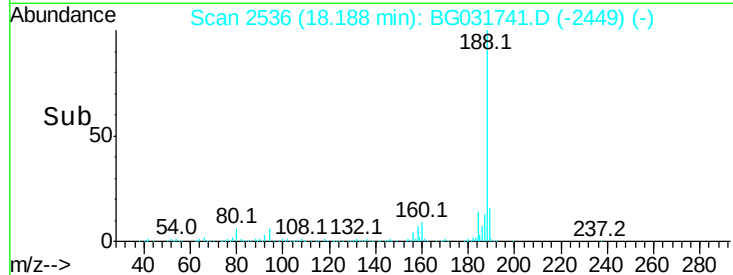
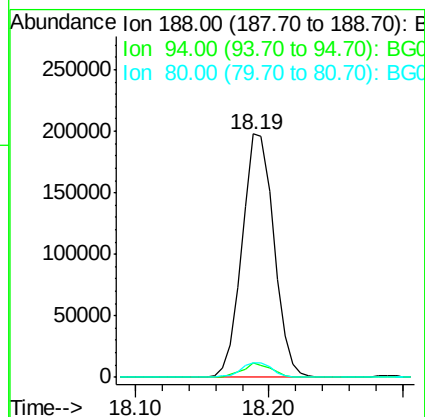
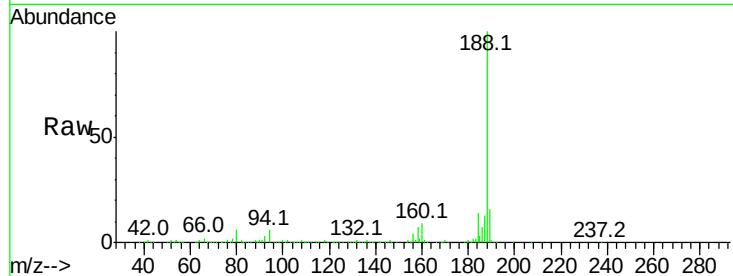




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.19 min Scan# 2536
 Delta R.T. -0.02 min
 Lab File: BG031741.D
 Acq: 23 Dec 2017 10:09

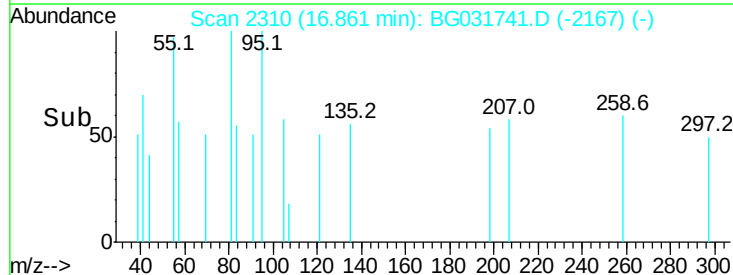
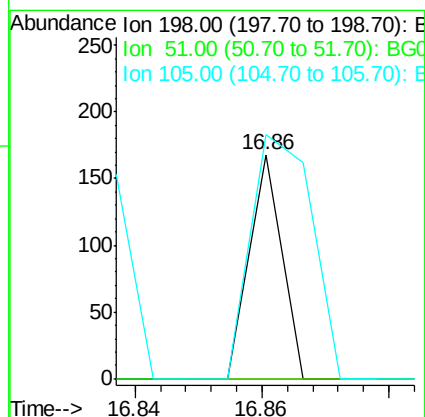
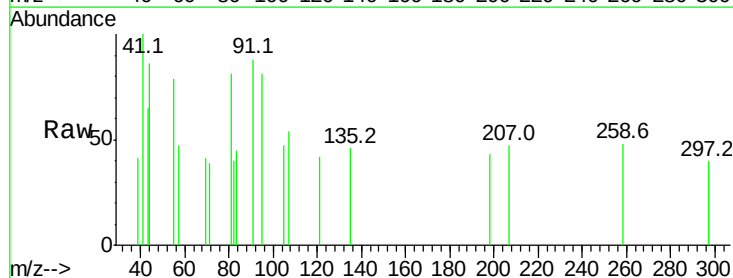
Instrument :
 BNA_G
 ClientSampleId :
 PZ-3

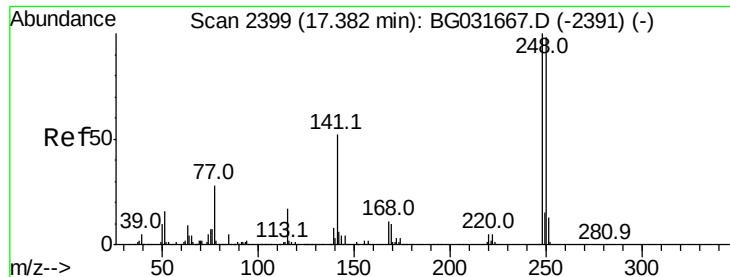
Tot Ion:188 Resp: 324946
 Ion Ratio Lower Upper
 188 100
 94 5.8 6.9 10.3#
 80 6.1 7.7 11.5#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.337 ng
 RT: 16.86 min Scan# 2310
 Delta R.T. 0.31 min
 Lab File: BG031741.D
 Acq: 23 Dec 2017 10:09

Tgt Ion:198 Resp: 59
 Ion Ratio Lower Upper
 198 100
 51 0.0 30.6 70.6#
 105 108.9 23.8 63.8#

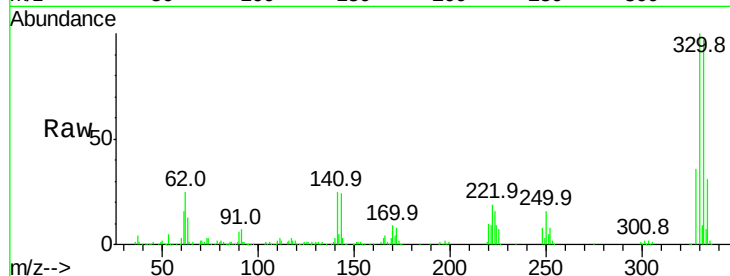




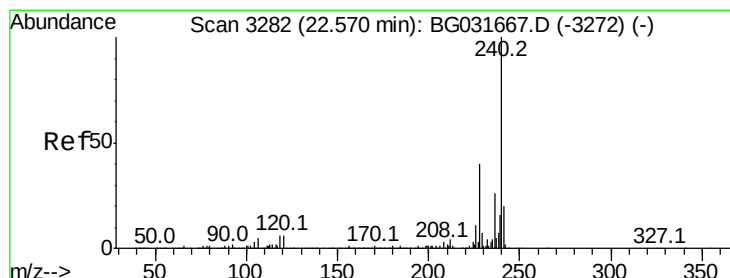
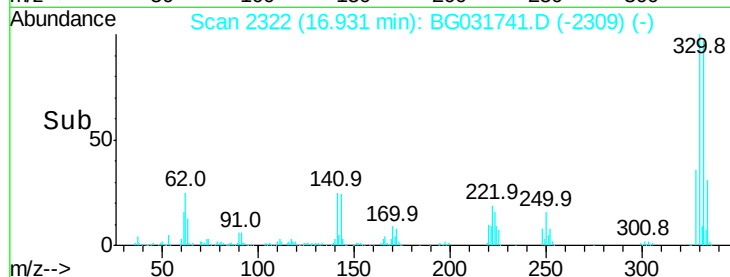
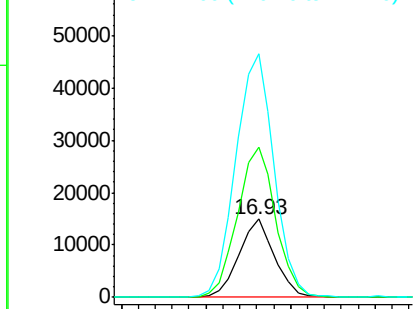
#66
4-Bromophenyl-phenylether
Concen: 4.634 ng
RT: 16.93 min Scan# 2322
Delta R.T. -0.45 min
Lab File: BG031741.D
Acq: 23 Dec 2017 10:09

Instrument :
BNA_G
ClientSampleId :
PZ-3

Tot Ion:248 Resp: 21777
Ion Ratio Lower Upper
248 100
250 191.9 77.1 115.7#
141 310.9 50.8 76.2#

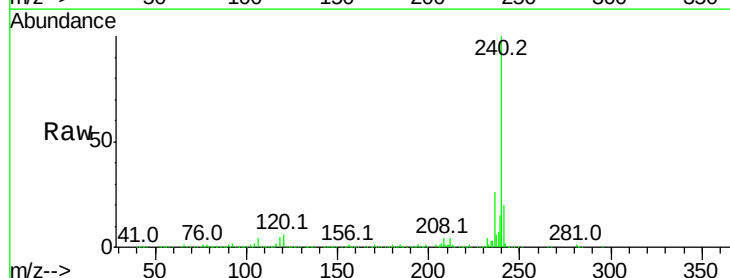


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

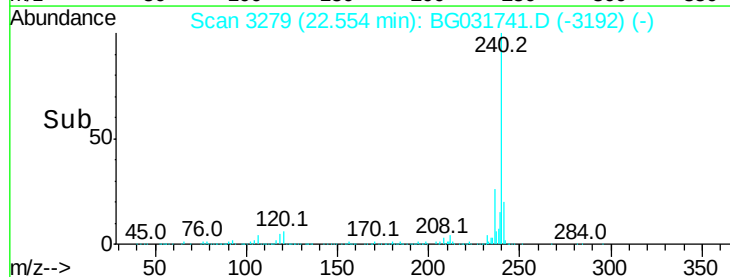
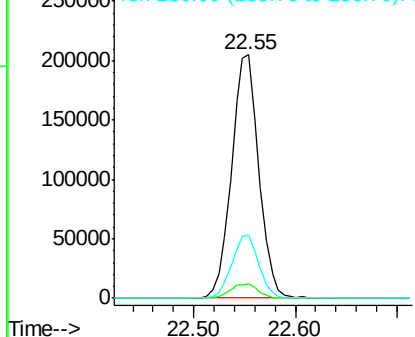


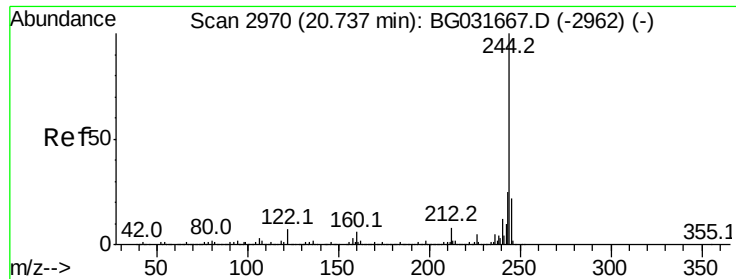
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.55 min Scan# 3279
Delta R.T. -0.02 min
Lab File: BG031741.D
Acq: 23 Dec 2017 10:09

Tgt Ion:240 Resp: 379659
Ion Ratio Lower Upper
240 100
120 5.7 6.8 10.2#
236 25.8 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: 76.806 ng

RT: 20.73 min Scan# 2968

Delta R.T. -0.01 min

Lab File: BG031741.D

Acq: 23 Dec 2017 10:09

Instrument :

BNA_G

ClientSampleId :

PZ-3

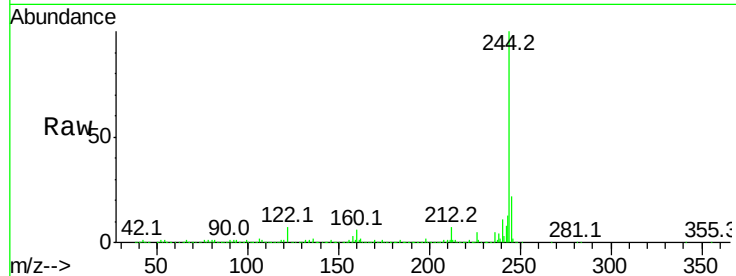
Tot Ion:244 Resp: 1276351

Ion Ratio Lower Upper

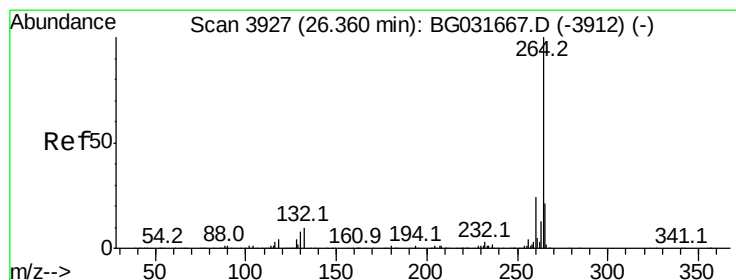
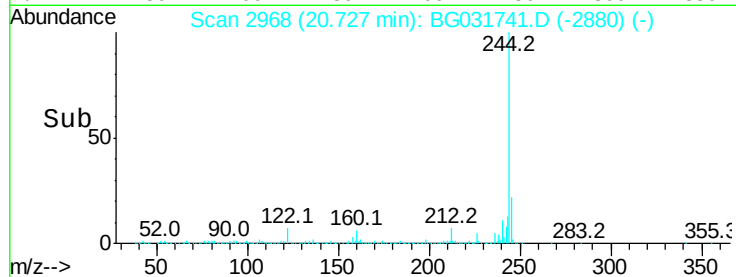
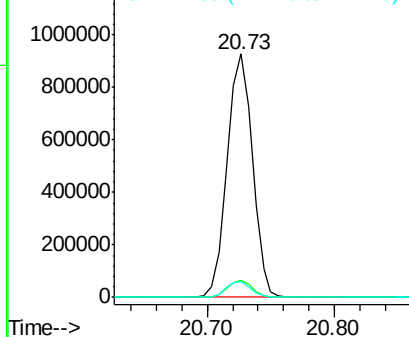
244 100

212 7.2 5.8 8.8

122 6.6 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

Perylene-d12

Concen: 20.000 ng

RT: 26.33 min Scan# 3922

Delta R.T. -0.03 min

Lab File: BG031741.D

Acq: 23 Dec 2017 10:09

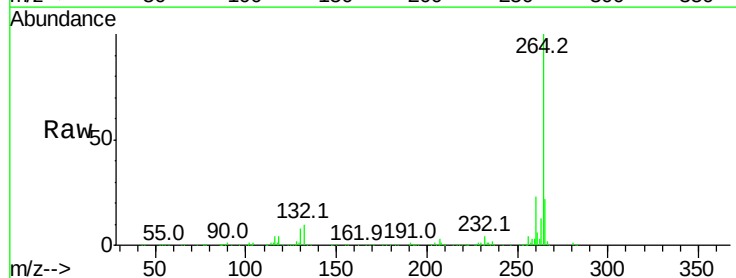
Tgt Ion:264 Resp: 410319

Ion Ratio Lower Upper

264 100

260 22.6 17.4 26.0

265 21.6 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

