

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042418\
 Data File : BG033982.D
 Acq On : 25 Apr 2018 10:01
 Operator : SJ/JU
 Sample : J2508-12
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 25 11:54:41 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 13:56:22 2018
 Response via : Initial Calibration

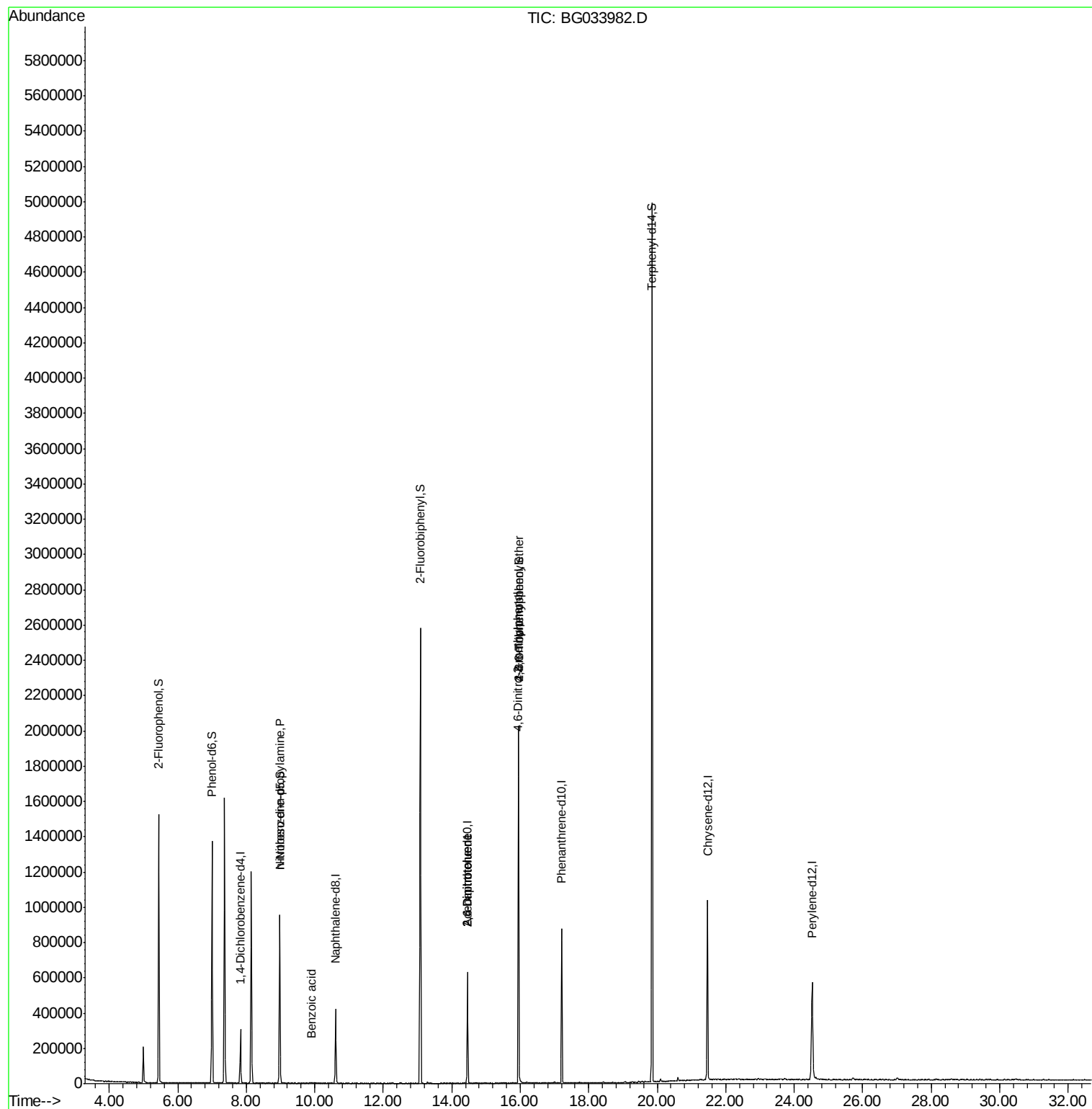
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	85443	20.00	ng	-0.01
21) Naphthalene-d8	10.61	136	348512	20.00	ng	-0.02
38) Acenaphthene-d10	14.46	164	217095	20.00	ng	-0.02
63) Phenanthrene-d10	17.21	188	544867	20.00	ng	-0.02
75) Chrysene-d12	21.47	240	602005	20.00	ng	-0.02
86) Perylene-d12	24.52	264	605563	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	641914	119.94	ng	0.00
7) Phenol-d6	7.00	99	755053	96.73	ng	0.00
23) Nitrobenzene-d5	8.98	82	574580	93.82	ng	-0.01
41) 2,4,6-Tribromophenol	15.95	330	367758	145.20	ng	-0.02
44) 2-Fluorobiphenyl	13.08	172	1359116	91.97	ng	-0.02
78) Terphenyl-d14	19.85	244	2288393	85.40	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.00	77	1436	Below Cal	Qvalue	# 18
19) n-Nitroso-di-n-propylamine	8.98	70	78801	11.843 ng	#	78
32) Benzoic acid	9.92	122	311	5.141 ng	#	66
50) 2,6-Dinitrotoluene	14.46	165	28299	7.820 ng	#	21
56) 2,4-Dinitrotoluene	14.46	165	28299	5.880 ng	#	18
64) 4,6-Dinitro-2-methylphenol	15.94	198	1221	6.892 ng	#	51
66) 4-Bromophenyl-phenylether	15.95	248	23984	4.008 ng	#	1

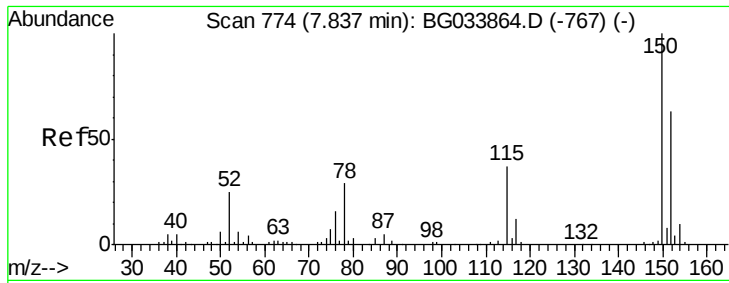
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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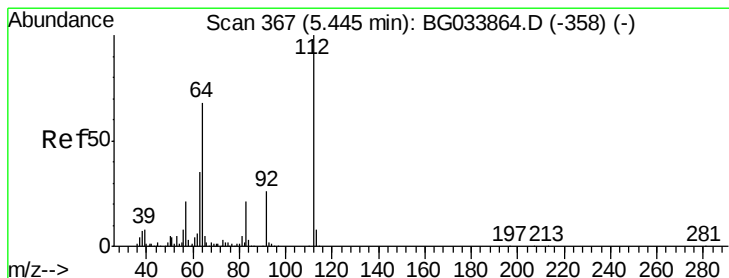
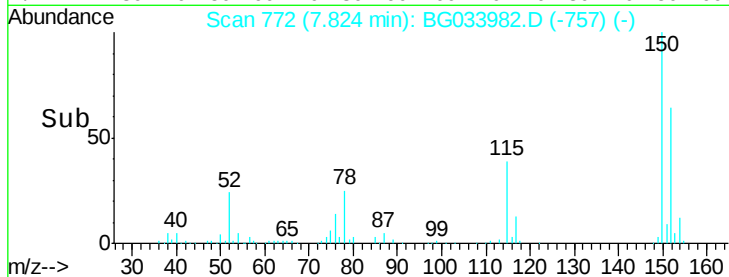
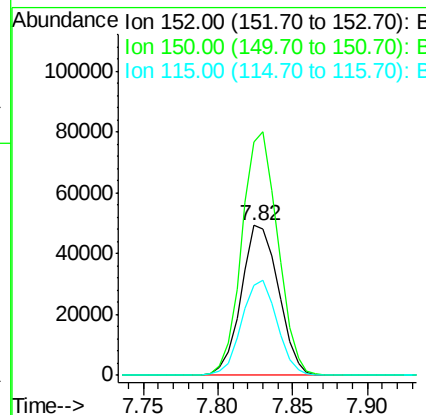
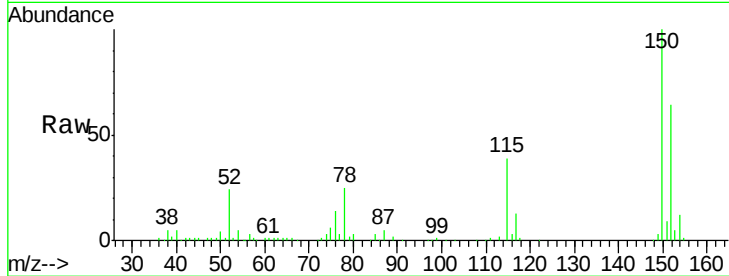


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.82 min Scan# 772
 Delta R.T. -0.01 min
 Lab File: BG033982.D
 Acq: 25 Apr 2018 10:01

Instrument :
 BNA_G
 ClientSampleId :

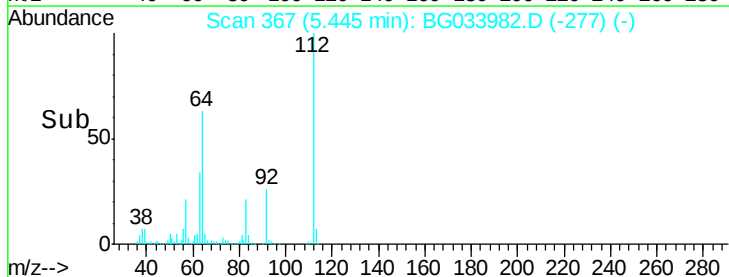
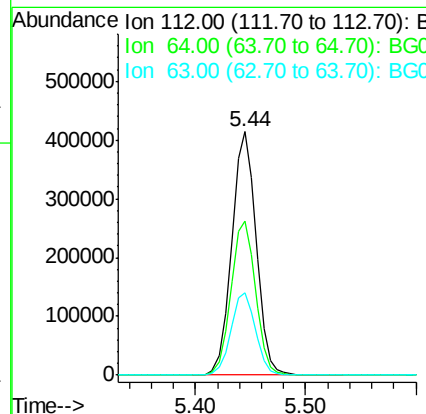
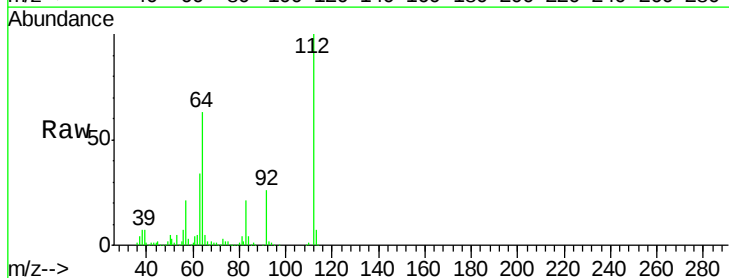
Tot Ion:152 Resp: 85443
 Ion Ratio Lower Upper
 152 100
 150 155.7 126.6 189.8
 115 60.0 53.0 79.4

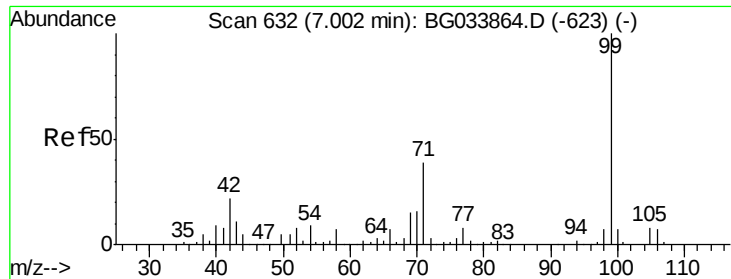


#5

2-Fluorophenol
 Concen: 119.944 ng
 RT: 5.44 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: BG033982.D
 Acq: 25 Apr 2018 10:01

Tgt Ion:112 Resp: 641914
 Ion Ratio Lower Upper
 112 100
 64 63.3 56.3 84.5
 63 34.0 30.1 45.1





#7

Phenol-d6

Concen: 96.729 ng

RT: 7.00 min Scan# 632

Delta R.T. -0.00 min

Lab File: BG033982.D

Acq: 25 Apr 2018 10:01

Instrument :

BNA_G

ClientSampleId :

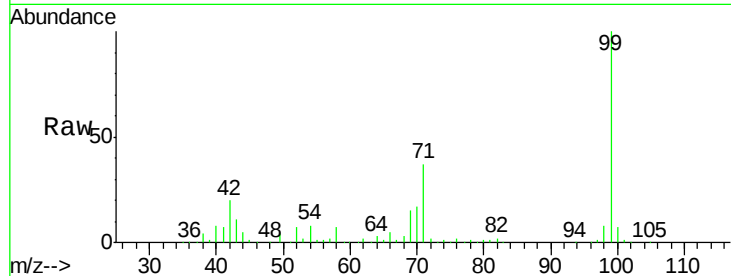
Tot Ion: 99 Resp: 755053

Ion Ratio Lower Upper

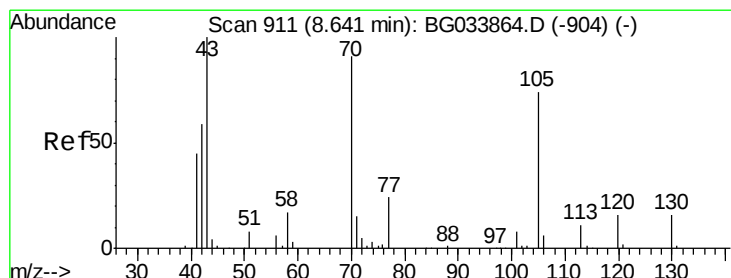
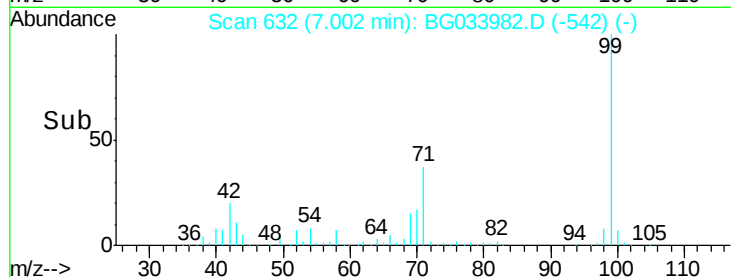
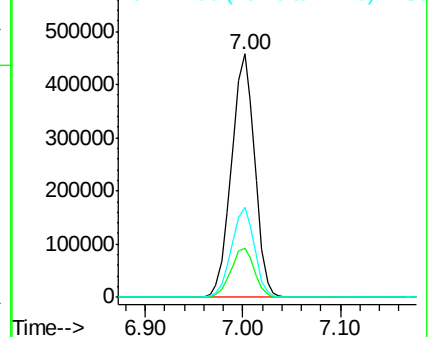
99 100

42 20.1 14.1 21.1

71 37.2 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



#19

n-Nitroso-di-n-propylamine

Concen: 11.843 ng

RT: 8.98 min Scan# 969

Delta R.T. 0.34 min

Lab File: BG033982.D

Acq: 25 Apr 2018 10:01

Tgt Ion: 70 Resp: 78801

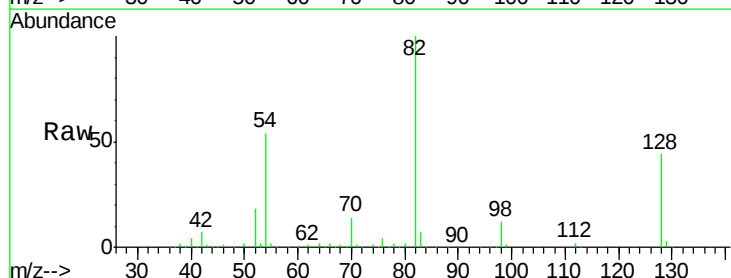
Ion Ratio Lower Upper

70 100

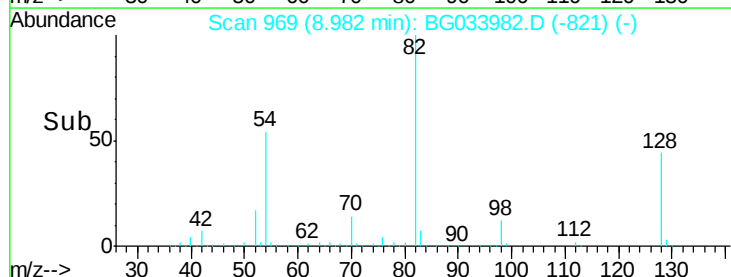
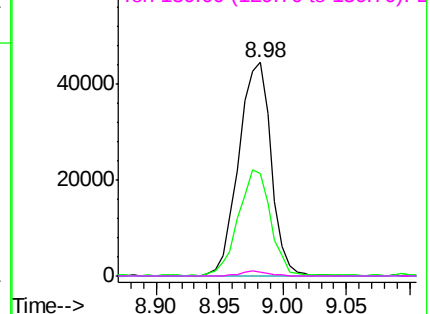
42 48.2 49.1 73.7#

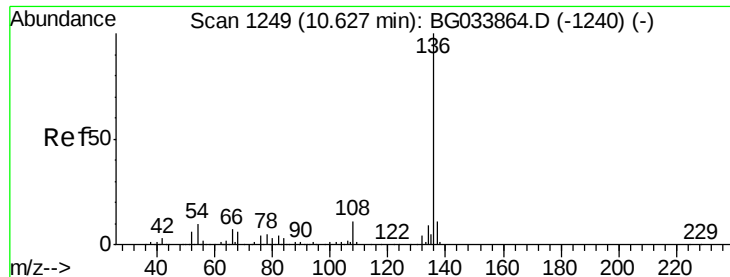
101 0.0 8.5 12.7#

130 1.9 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

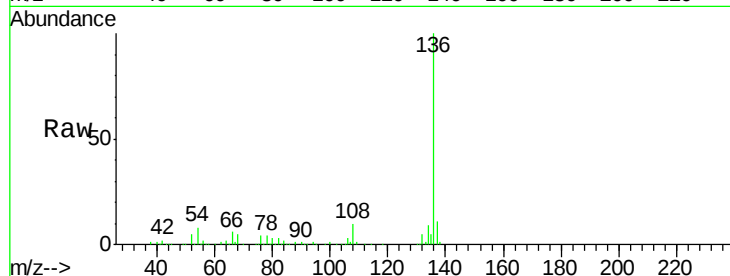




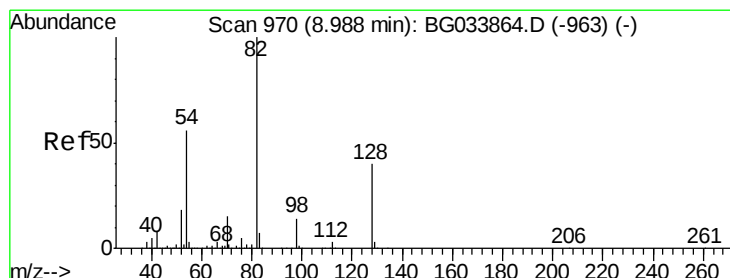
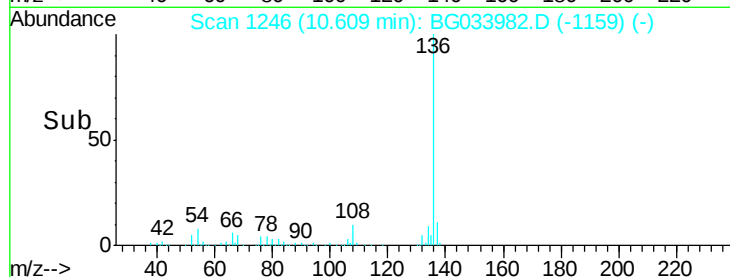
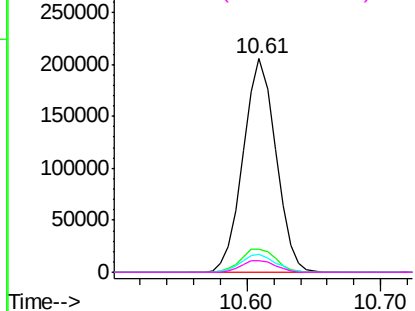
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.61 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BG033982.D
Acq: 25 Apr 2018 10:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	348512
Ion Ratio	Lower	Upper
136	100	
137	11.0	9.2 13.8
54	8.1	10.3 15.5#
68	5.2	4.5 6.7

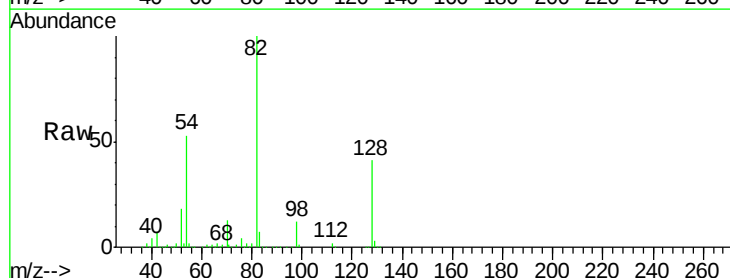


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

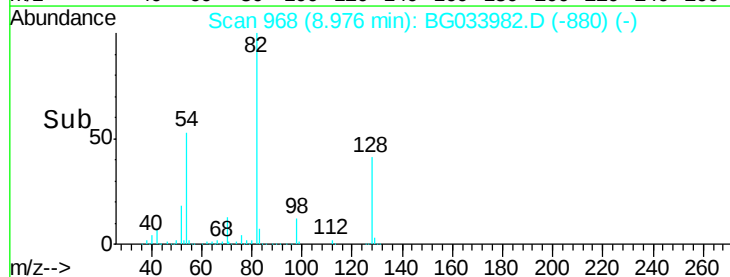
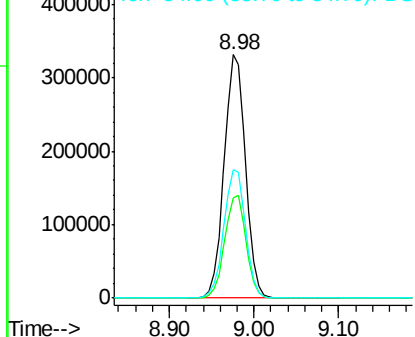


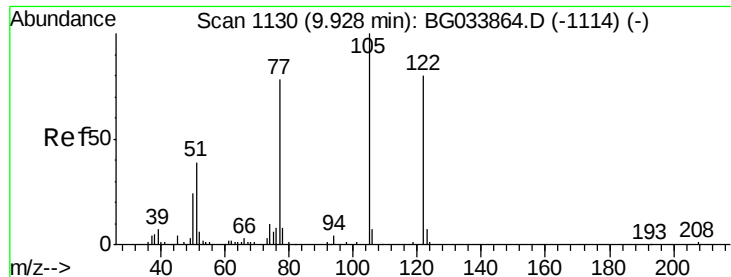
#23
Nitrobenzene-d5
Concen: 93.825 ng
RT: 8.98 min Scan# 968
Delta R.T. -0.01 min
Lab File: BG033982.D
Acq: 25 Apr 2018 10:01

Tgt Ion: 82	Resp:	574580
Ion Ratio	Lower	Upper
82	100	
128	41.2	29.7 44.5
54	52.6	43.1 64.7



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

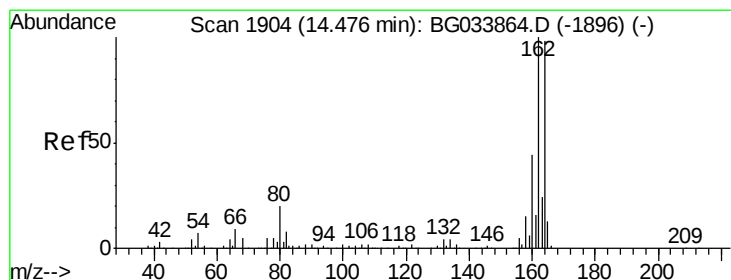
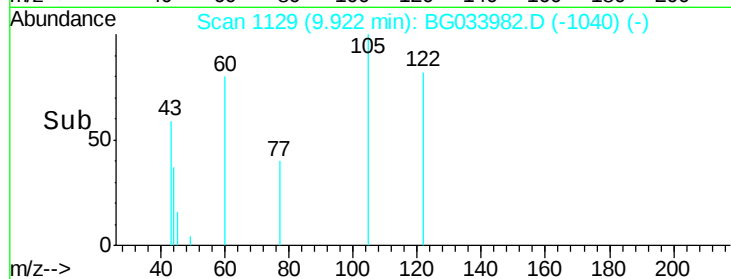
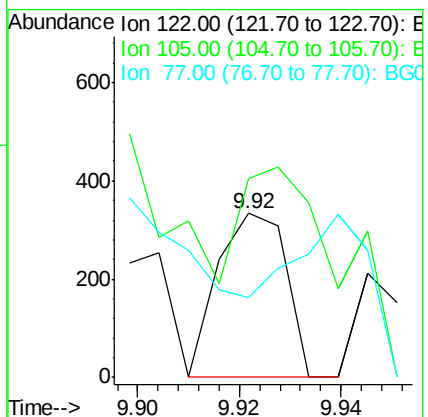
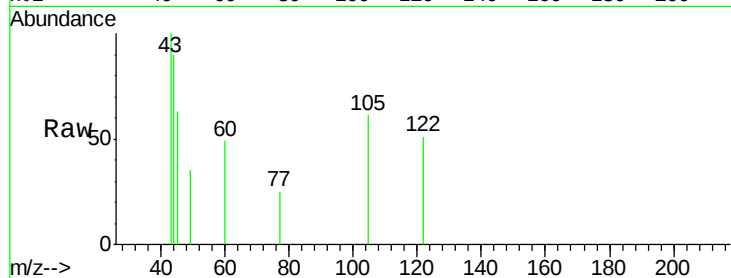




#32
Benzoic acid
Concen: 5.141 ng
RT: 9.92 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BG033982.D
Acq: 25 Apr 2018 10:01

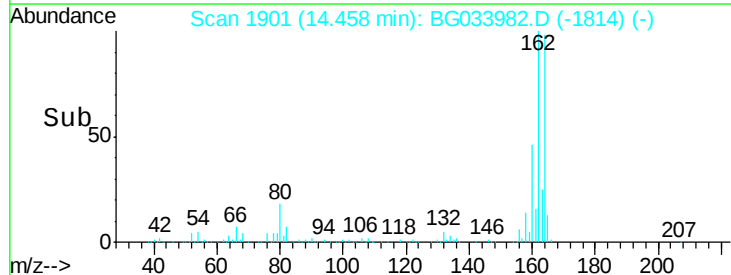
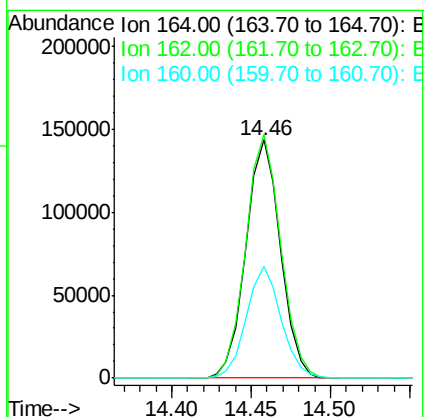
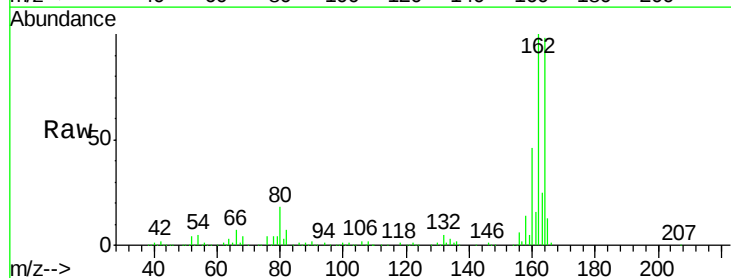
Instrument :
BNA_G
ClientSampleId :

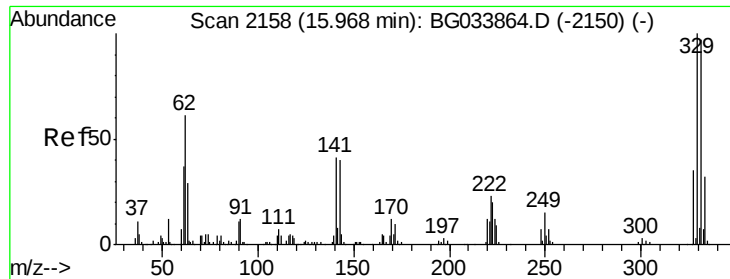
Tot Ion:122 Resp: 311
Ion Ratio Lower Upper
122 100
105 121.3 123.5 163.5#
77 48.5 85.7 125.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.46 min Scan# 1901
Delta R.T. -0.02 min
Lab File: BG033982.D
Acq: 25 Apr 2018 10:01

Tgt Ion:164 Resp: 217095
Ion Ratio Lower Upper
164 100
162 102.1 78.8 118.2
160 47.1 35.4 53.0

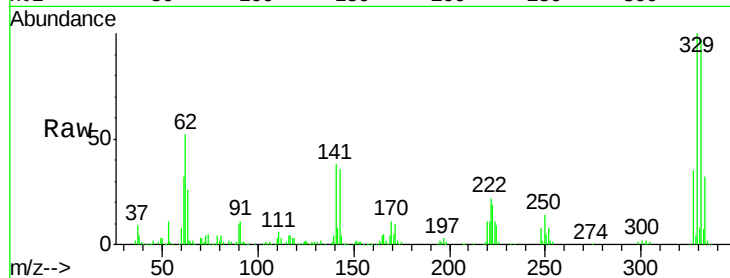




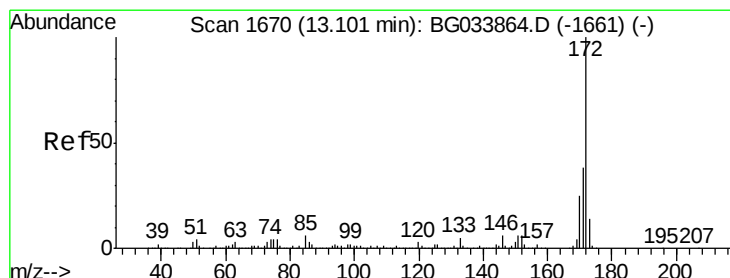
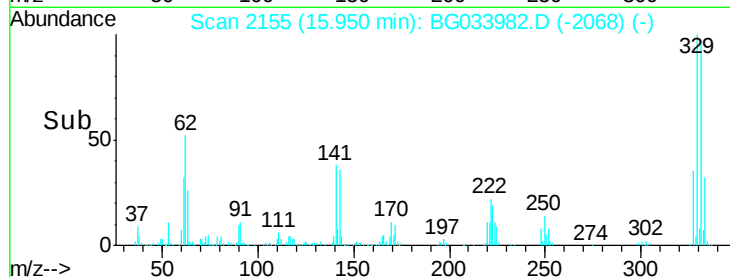
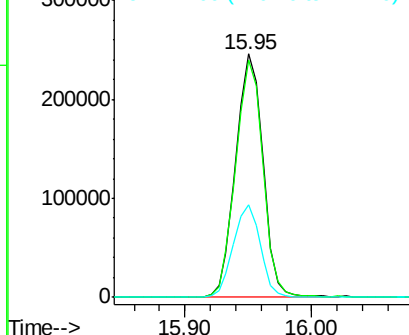
#41
 2,4,6-Tribromophenol
 Concen: 145.200 ng
 RT: 15.95 min Scan# 2155
 Delta R.T. -0.02 min
 Lab File: BG033982.D
 Acq: 25 Apr 2018 10:01

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.6
141	37.6	25.2	37.8

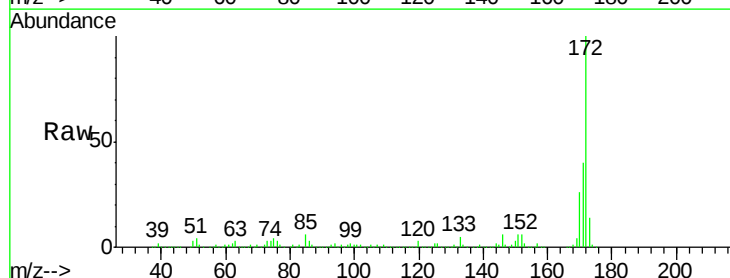


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

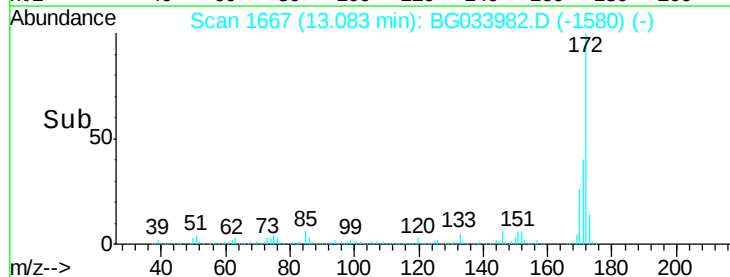
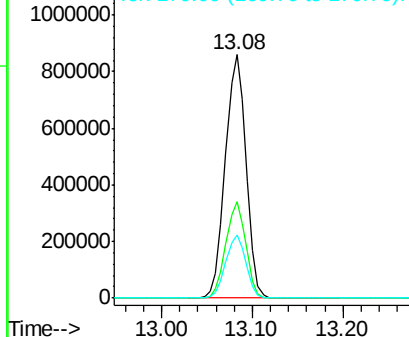


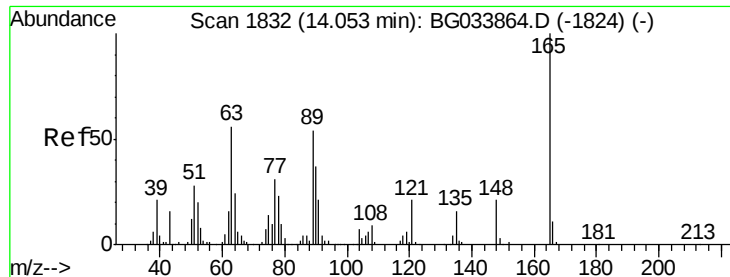
#44
 2-Fluorobiphenyl
 Concen: 91.968 ng
 RT: 13.08 min Scan# 1667
 Delta R.T. -0.02 min
 Lab File: BG033982.D
 Acq: 25 Apr 2018 10:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.7	30.0	45.0
170	25.8	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

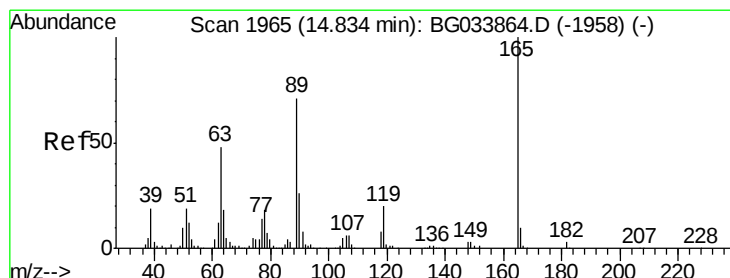
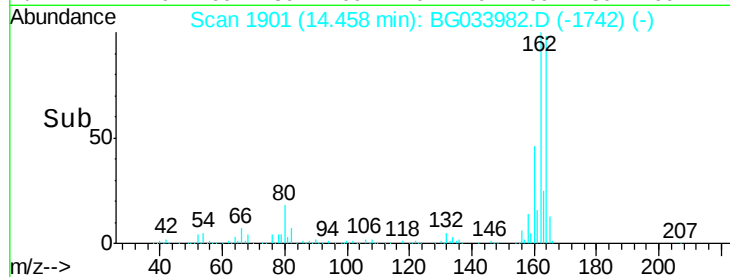
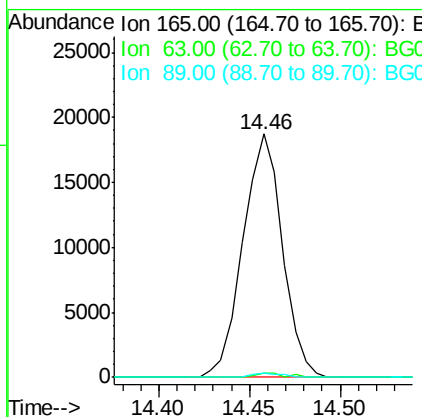
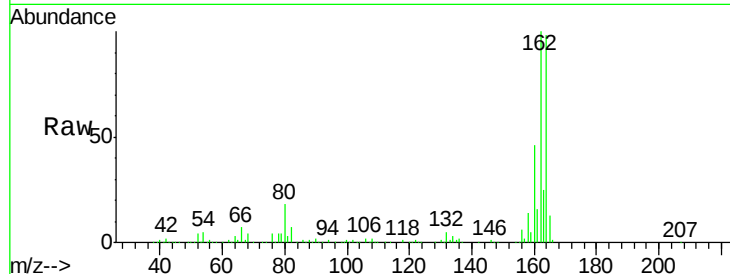




#50
 2,6-Dinitrotoluene
 Concen: 7.820 ng
 RT: 14.46 min Scan# 1901
 Delta R.T. 0.40 min
 Lab File: BG033982.D
 Acq: 25 Apr 2018 10:01

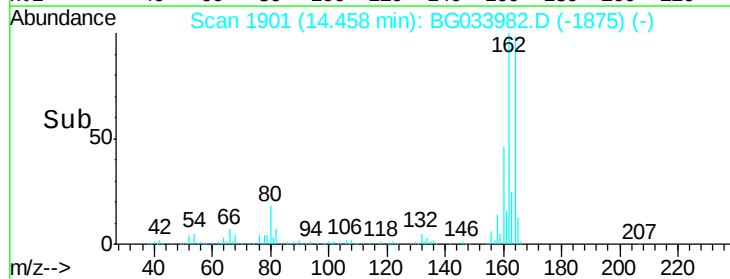
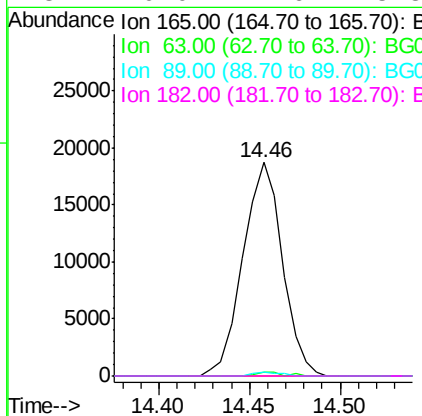
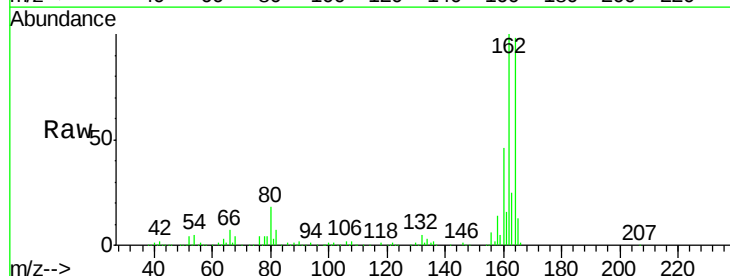
Instrument :
 BNA_G
 ClientSampleId :

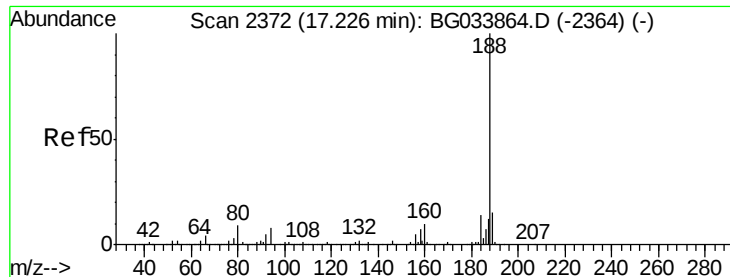
Tot Ion:165 Resp: 28299
 Ion Ratio Lower Upper
 165 100
 63 1.6 52.7 79.1#
 89 1.8 49.2 73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.880 ng
 RT: 14.46 min Scan# 1901
 Delta R.T. -0.38 min
 Lab File: BG033982.D
 Acq: 25 Apr 2018 10:01

Tgt Ion:165 Resp: 28299
 Ion Ratio Lower Upper
 165 100
 63 1.6 42.0 63.0#
 89 1.8 66.9 100.3#
 182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.21 min Scan# 2369

Delta R.T. -0.02 min

Lab File: BG033982.D

Acq: 25 Apr 2018 10:01

Instrument :

BNA_G

ClientSampleId :

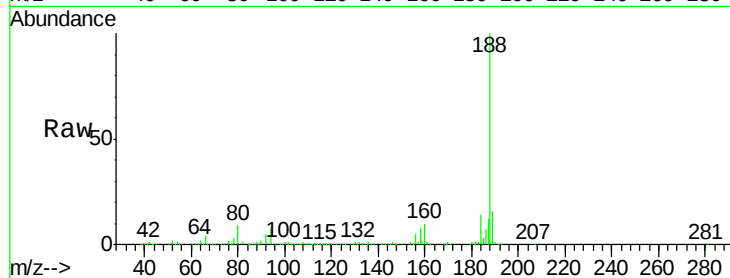
Tot Ion:188 Resp: 544867

Ion Ratio Lower Upper

188 100

94 7.7 6.9 10.3

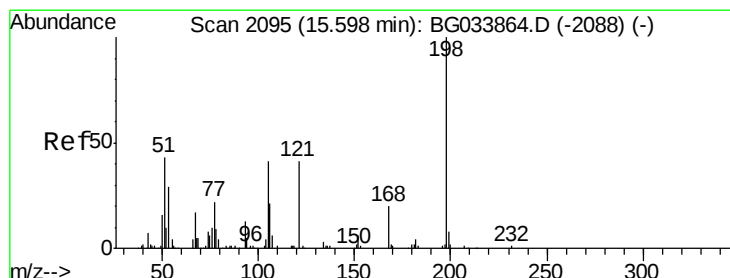
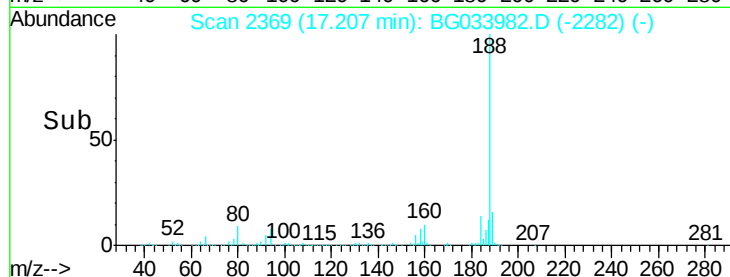
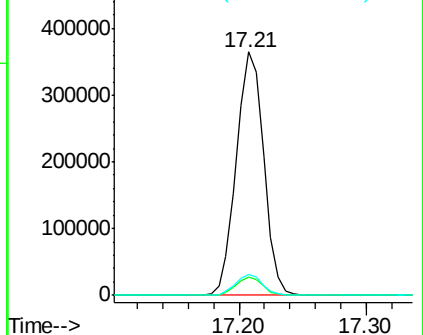
80 8.7 7.7 11.5



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: 6.892 ng

RT: 15.94 min Scan# 2153

Delta R.T. 0.34 min

Lab File: BG033982.D

Acq: 25 Apr 2018 10:01

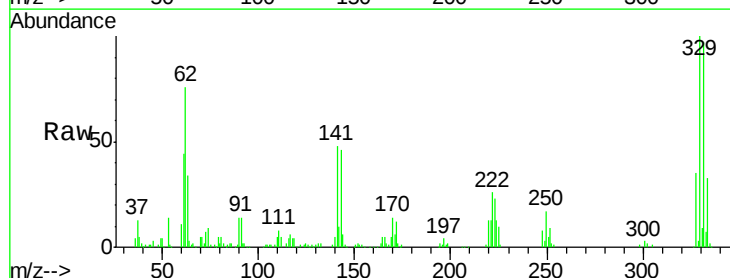
Tgt Ion:198 Resp: 1221

Ion Ratio Lower Upper

198 100

51 19.5 30.6 70.6#

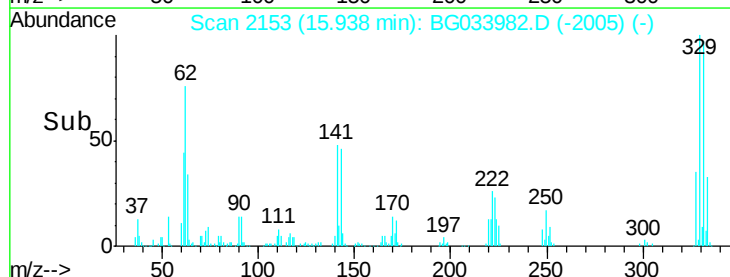
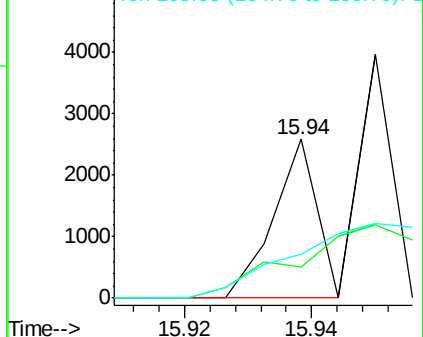
105 79.0 23.8 63.8#

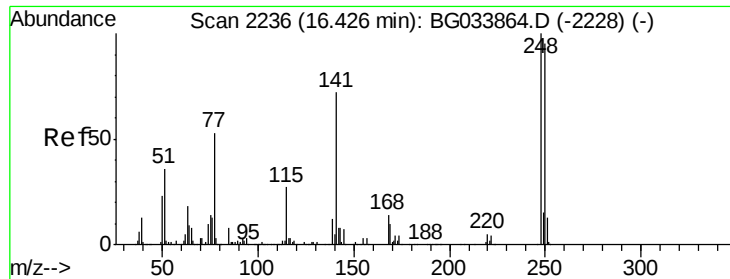


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

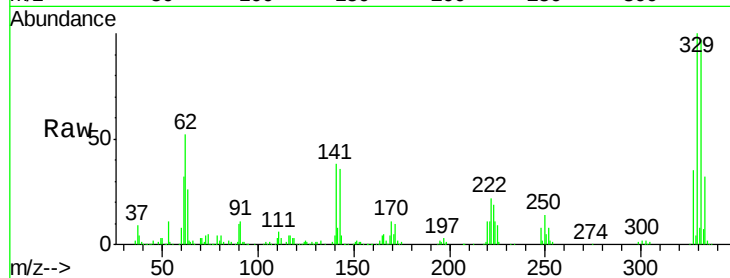




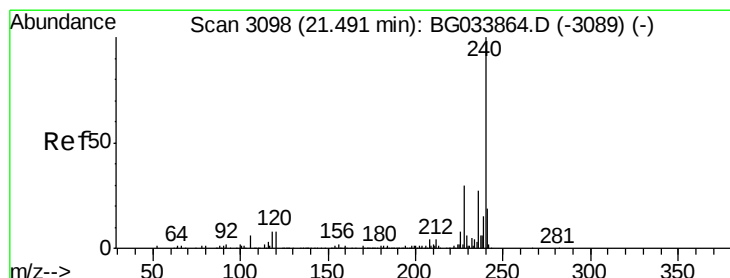
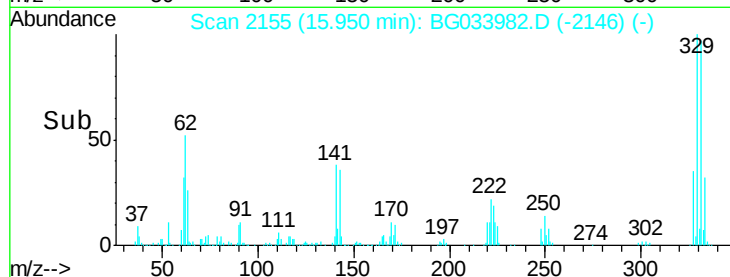
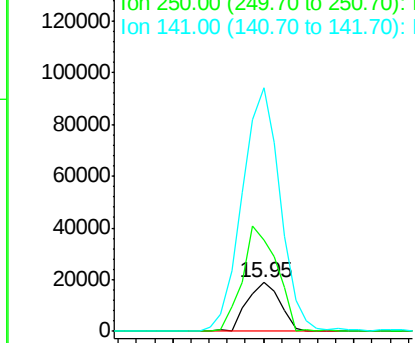
#66
 4-Bromophenyl-phenylether
 Concen: 4.008 ng
 RT: 15.95 min Scan# 2155
 Delta R.T. -0.48 min
 Lab File: BG033982.D
 Acq: 25 Apr 2018 10:01

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 23984
 Ion Ratio Lower Upper
 248 100
 250 187.3 77.1 115.7#
 141 379.0 50.8 76.2#

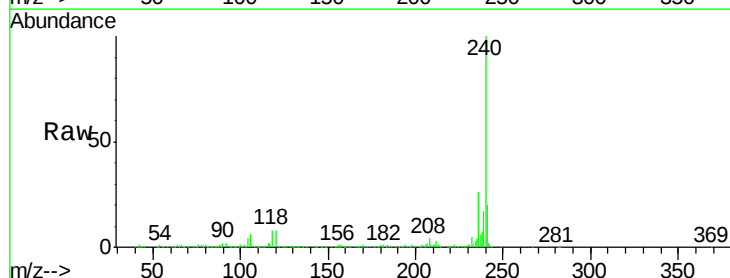


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

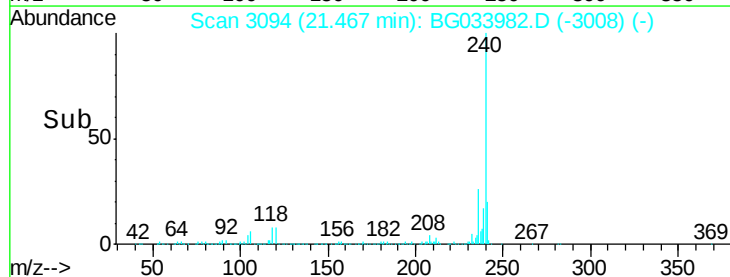
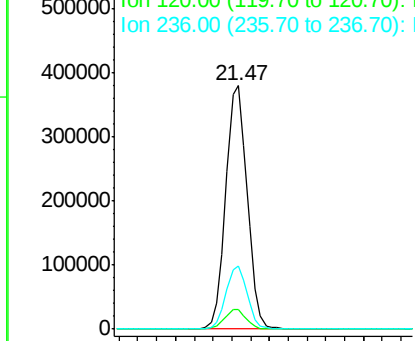


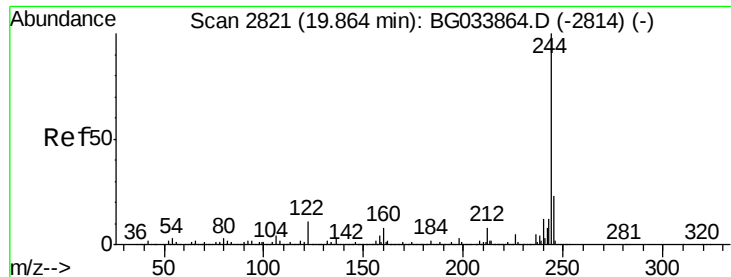
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.47 min Scan# 3094
 Delta R.T. -0.02 min
 Lab File: BG033982.D
 Acq: 25 Apr 2018 10:01

Tgt Ion:240 Resp: 602005
 Ion Ratio Lower Upper
 240 100
 120 8.3 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: 85.400 ng

RT: 19.85 min Scan# 2818

Delta R.T. -0.02 min

Lab File: BG033982.D

Acq: 25 Apr 2018 10:01

Instrument :

BNA_G

ClientSampleId :

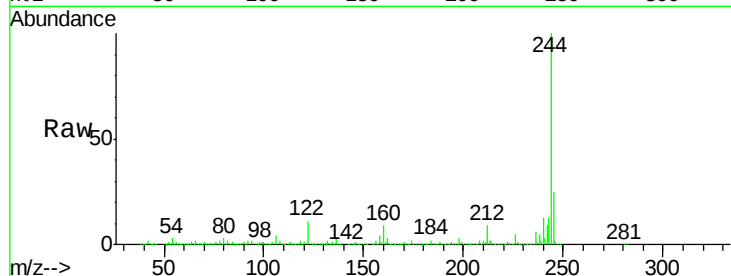
Tot Ion:244 Resp: 2288393

Ion Ratio Lower Upper

244 100

212 9.0 5.8 8.8#

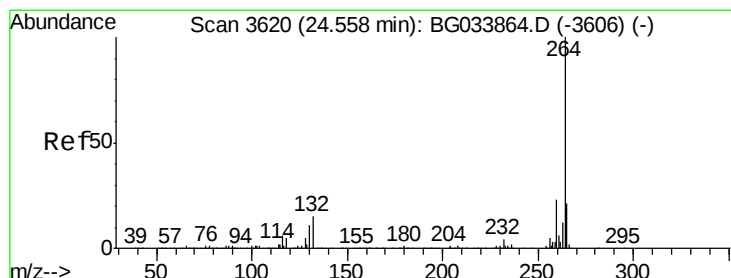
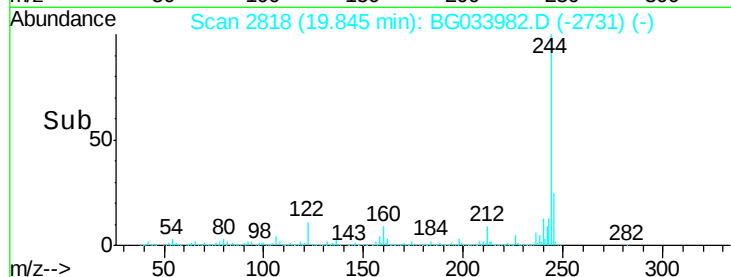
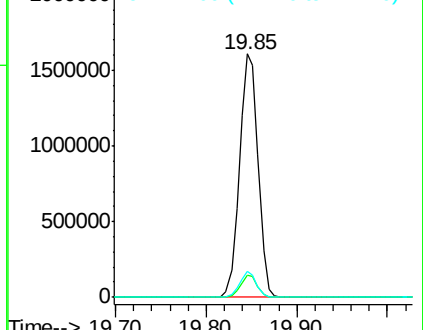
122 10.7 7.0 10.4#



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: 24.52 min Scan# 3614

Delta R.T. -0.04 min

Lab File: BG033982.D

Acq: 25 Apr 2018 10:01

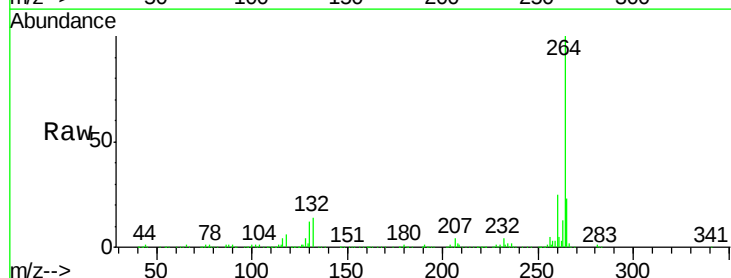
Tgt Ion:264 Resp: 605563

Ion Ratio Lower Upper

264 100

260 24.8 17.4 26.0

265 22.5 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

