

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042318\
 Data File : BG033943.D
 Acq On : 24 Apr 2018 6:07
 Operator : SJ/JU
 Sample : J2499-02
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 24 08:05:01 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

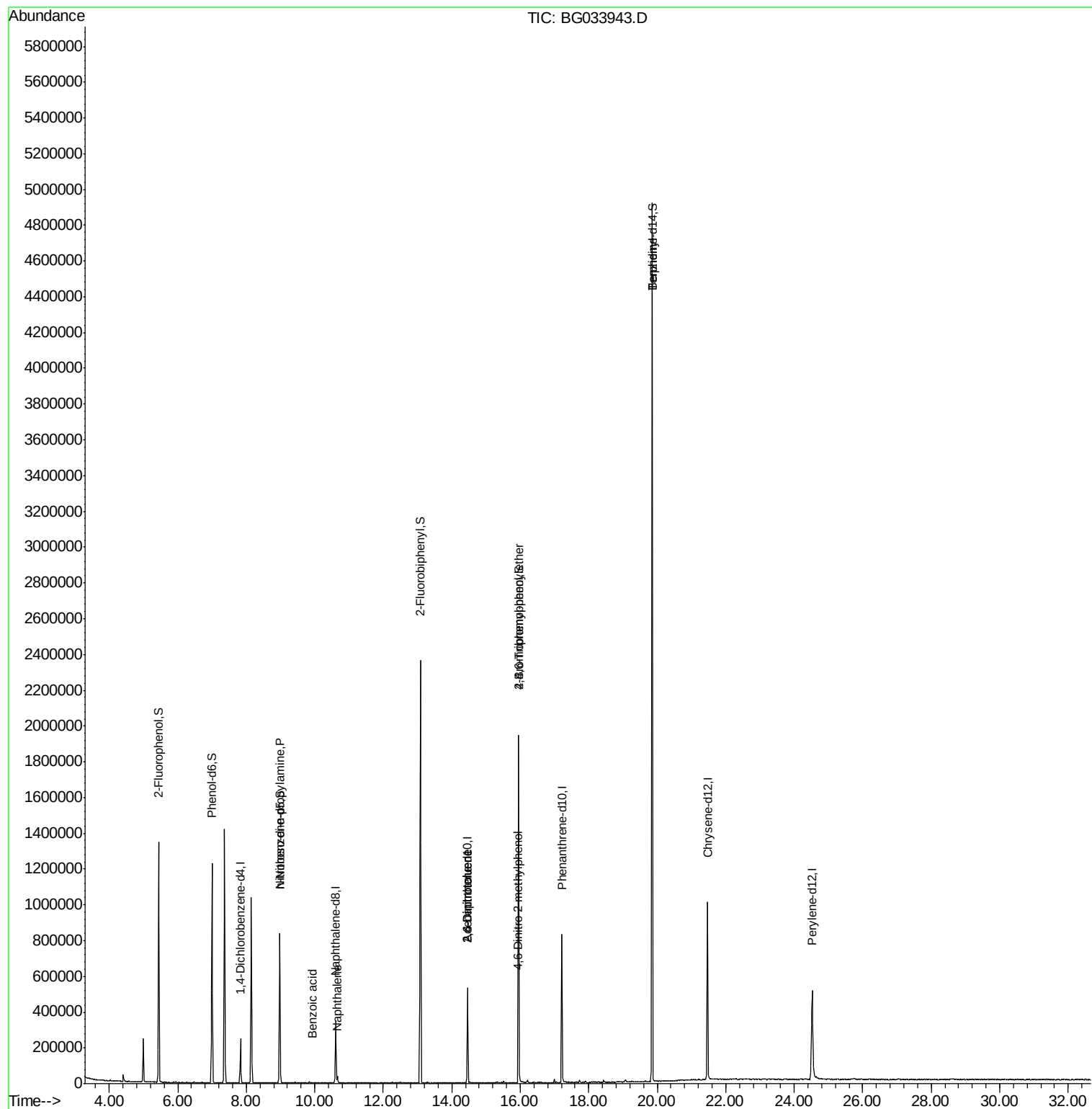
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	68338	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	291915	20.00	ng	-0.02
38) Acenaphthene-d10	14.46	164	191558	20.00	ng	-0.02
63) Phenanthrene-d10	17.21	188	527303	20.00	ng	-0.02
75) Chrysene-d12	21.47	240	577875	20.00	ng	-0.02
86) Perylene-d12	24.52	264	565986	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	562165	131.33	ng	0.00
7) Phenol-d6	7.00	99	691385	110.74	ng	0.00
23) Nitrobenzene-d5	8.98	82	500726	97.62	ng	-0.01
41) 2,4,6-Tribromophenol	15.95	330	347307	155.41	ng	-0.02
44) 2-Fluorobiphenyl	13.08	172	1219593	93.53	ng	-0.02
78) Terphenyl-d14	19.85	244	2279975	88.64	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.00	77	1369	Below Cal	Qvalue	# 5
19) n-Nitroso-di-n-propylamine	8.98	70	69474	13.055 ng	#	78
31) Naphthalene	10.66	128	30044	2.001 ng	#	98
32) Benzoic acid	9.92	122	146	5.116 ng	#	69
50) 2,6-Dinitrotoluene	14.46	165	25009	7.832 ng	#	20
56) 2,4-Dinitrotoluene	14.46	165	25009	5.889 ng	#	18
64) 4,6-Dinitro-2-methylphenol	15.93	198	100	6.523 ng	#	64
66) 4-Bromophenyl-phenylether	15.95	248	13397	2.313 ng	#	1
76) Benzidine	19.85	184	37434	2.399 ng	#	92

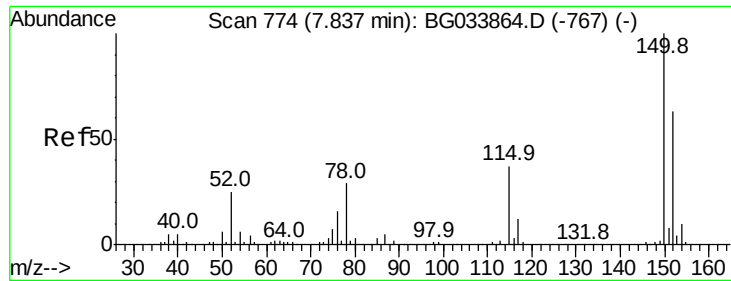
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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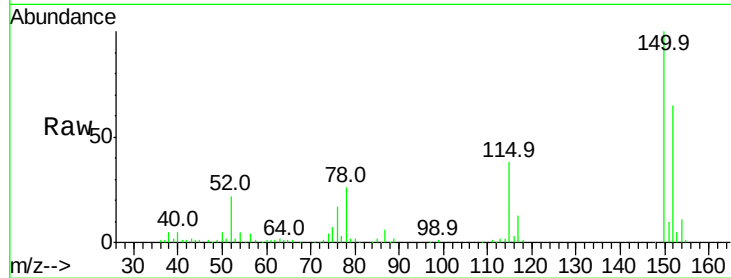


#1

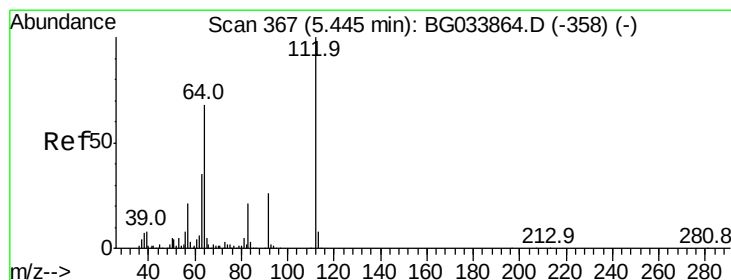
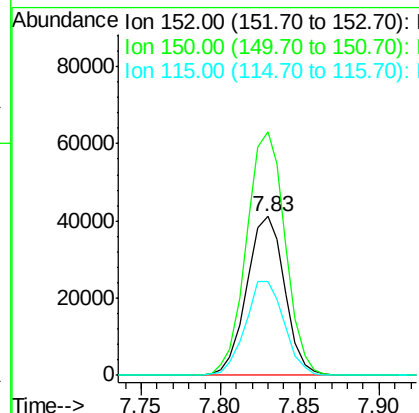
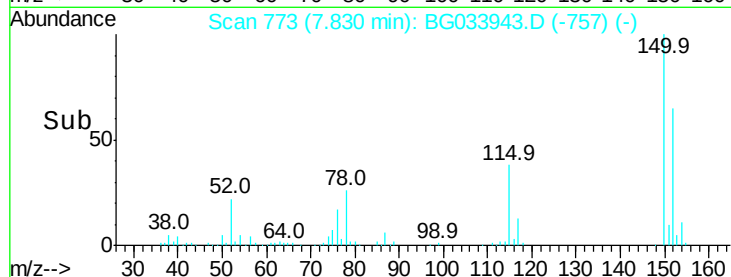
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 773
Delta R.T. -0.01 min
Lab File: BG033943.D
Acq: 24 Apr 2018 6:07

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 68338
Ion Ratio Lower Upper
152 100
150 153.5 126.6 189.8
115 58.8 53.0 79.4



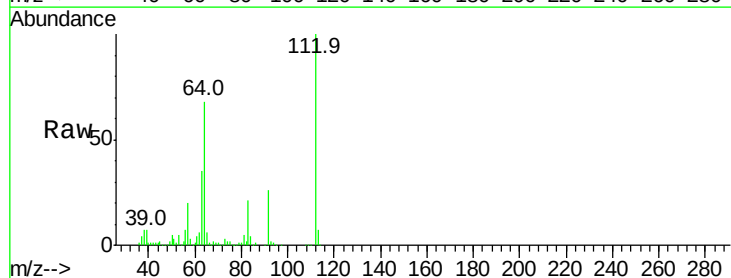
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



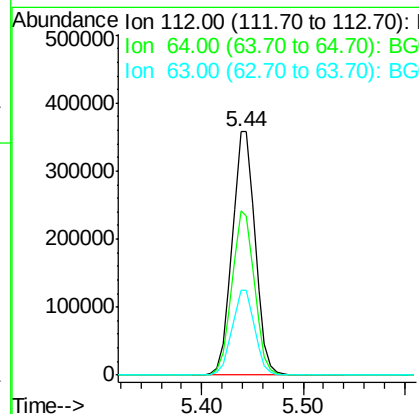
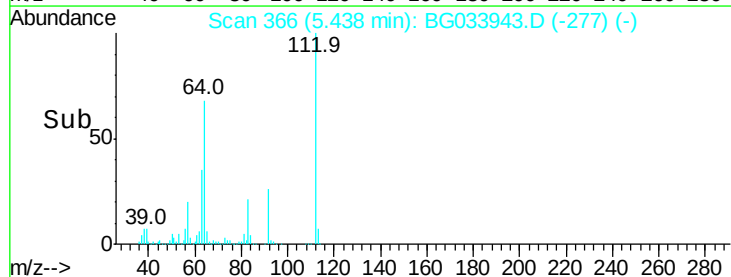
#5

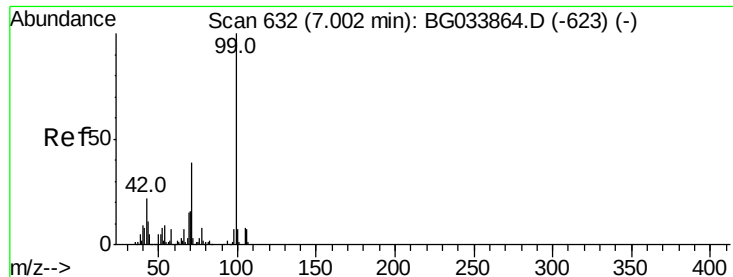
2-Fluorophenol
Concen: 131.335 ng
RT: 5.44 min Scan# 366
Delta R.T. -0.01 min
Lab File: BG033943.D
Acq: 24 Apr 2018 6:07

Tgt Ion:112 Resp: 562165
Ion Ratio Lower Upper
112 100
64 67.5 56.3 84.5
63 34.9 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 110.742 ng

RT: 7.00 min Scan# 632

Delta R.T. -0.00 min

Lab File: BG033943.D

Acq: 24 Apr 2018 6:07

Instrument :

BNA_G

ClientSampled :

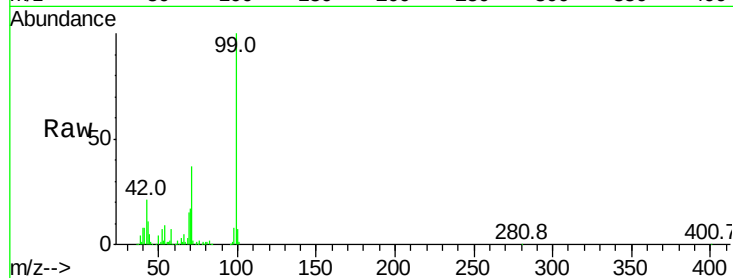
Tot Ion: 99 Resp: 691385

Ion Ratio Lower Upper

99 100

42 20.6 14.1 21.1

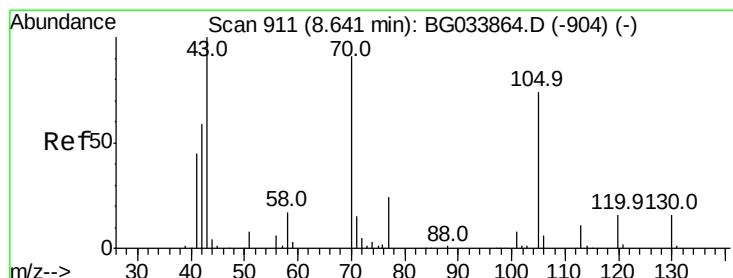
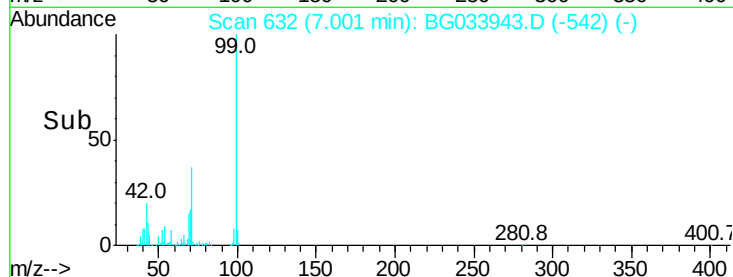
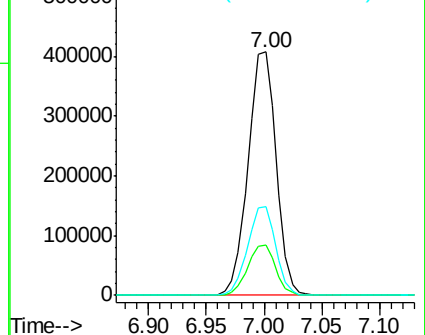
71 36.6 26.1 39.1



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: 13.055 ng

RT: 8.98 min Scan# 968

Delta R.T. 0.33 min

Lab File: BG033943.D

Acq: 24 Apr 2018 6:07

Tgt Ion: 70 Resp: 69474

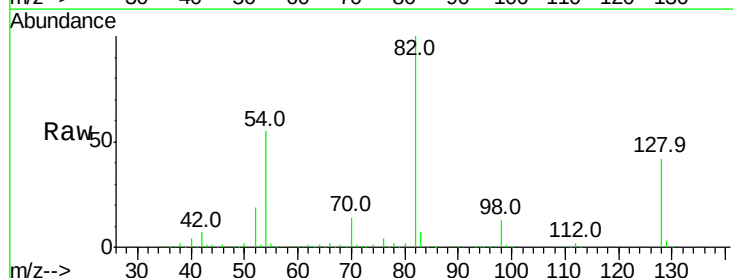
Ion Ratio Lower Upper

70 100

42 47.3 49.1 73.7#

101 0.0 8.5 12.7#

130 2.2 13.4 20.0#

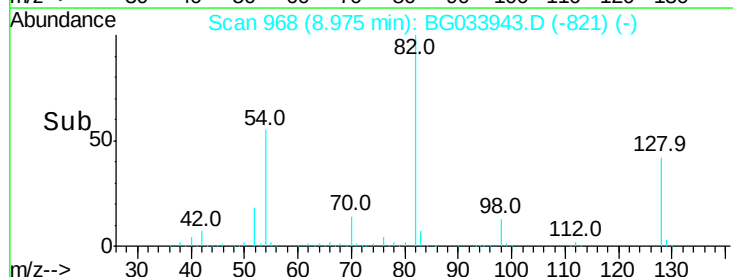
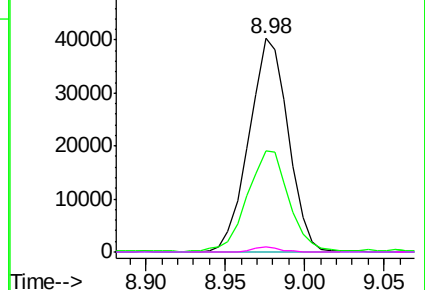


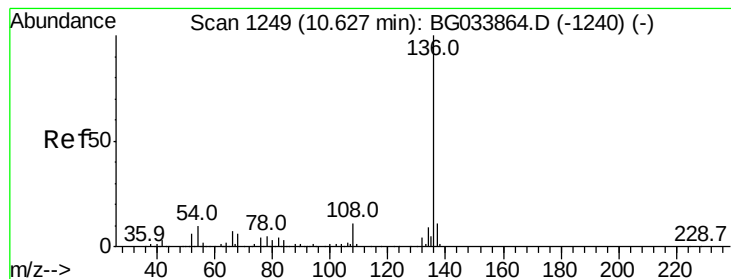
Abundance Ion 70.00 (69.70 to 70.70): BGC

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: BG033943.D

Acq: 24 Apr 2018 6:07

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 291915

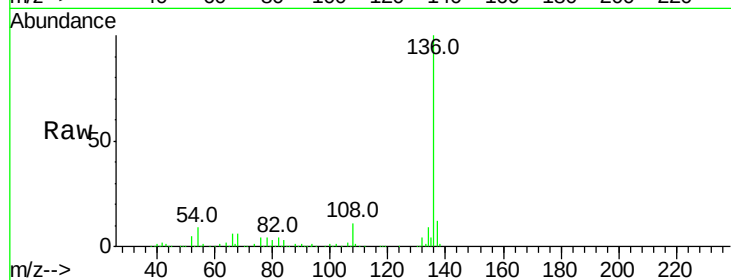
Ion Ratio Lower Upper

136 100

137 11.9 9.2 13.8

54 8.6 10.3 15.5#

68 6.3 4.5 6.7

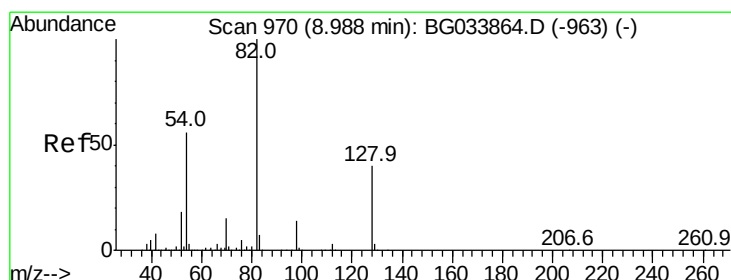
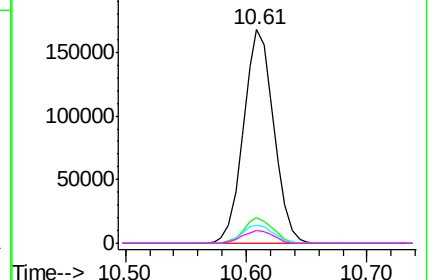
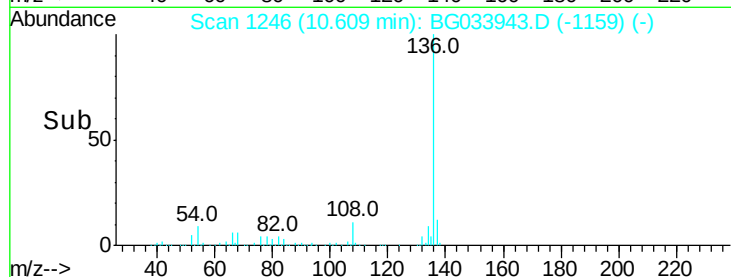


Abundance Ion 136.00 (135.70 to 136.70): E

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: 97.618 ng

RT: 8.98 min Scan# 968

Delta R.T. -0.01 min

Lab File: BG033943.D

Acq: 24 Apr 2018 6:07

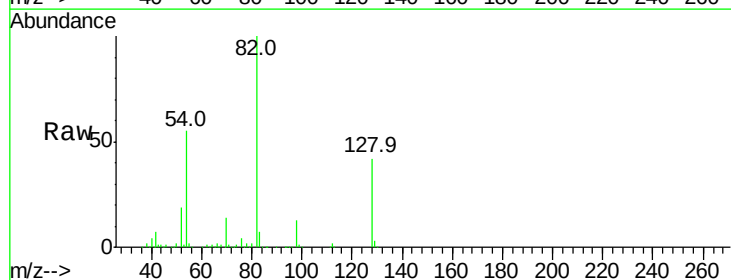
Tgt Ion: 82 Resp: 500726

Ion Ratio Lower Upper

82 100

128 41.5 29.7 44.5

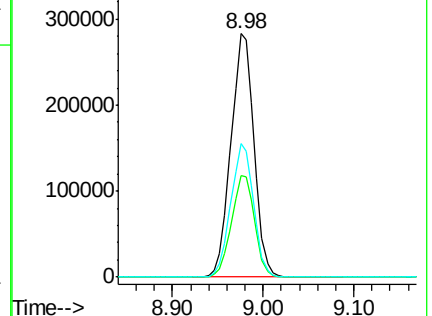
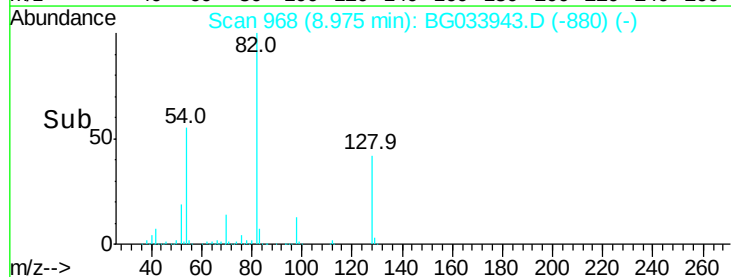
54 54.7 43.1 64.7

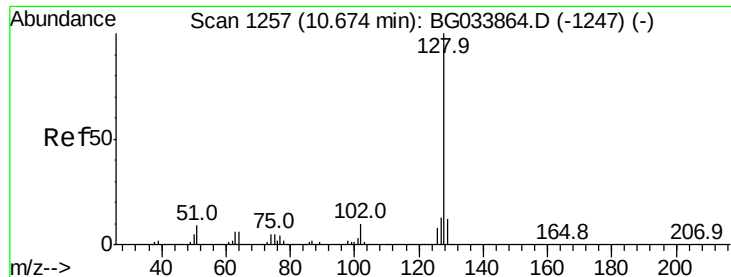


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#31

Naphthalene

Concen: 2.001 ng

RT: 10.66 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BG033943.D

Acq: 24 Apr 2018 6:07

Instrument :

BNA_G

ClientSampleId :

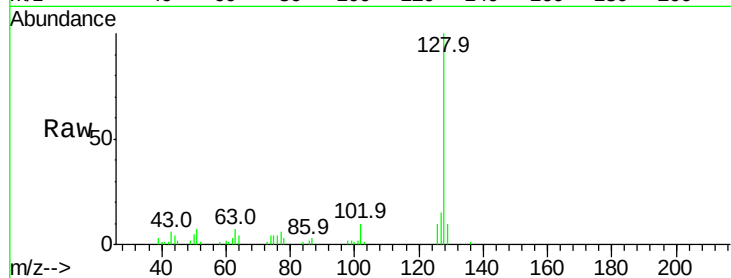
Tot Ion:128 Resp: 30044

Ion Ratio Lower Upper

128 100

129 10.0 8.6 12.8

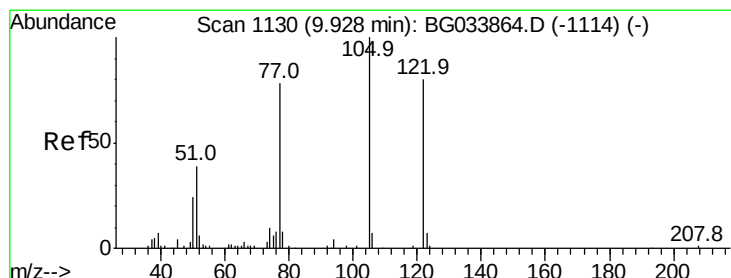
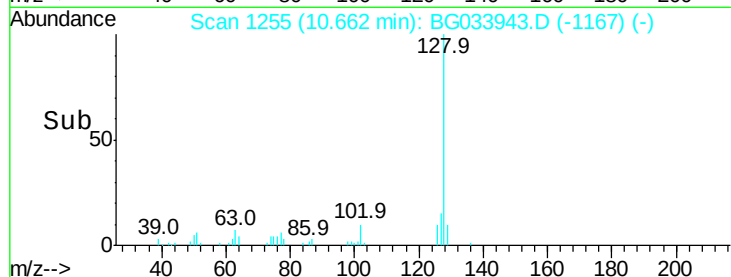
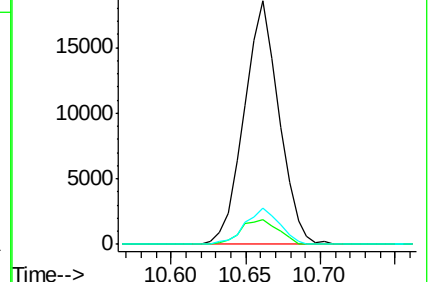
127 15.1 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 5.116 ng

RT: 9.92 min Scan# 1128

Delta R.T. -0.01 min

Lab File: BG033943.D

Acq: 24 Apr 2018 6:07

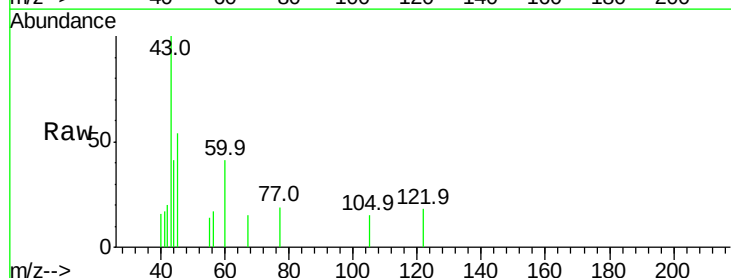
Tgt Ion:122 Resp: 146

Ion Ratio Lower Upper

122 100

105 79.5 123.5 163.5#

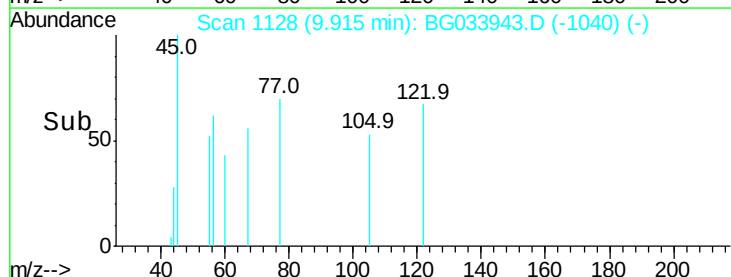
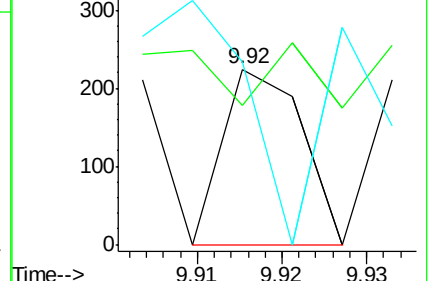
77 104.0 85.7 125.7

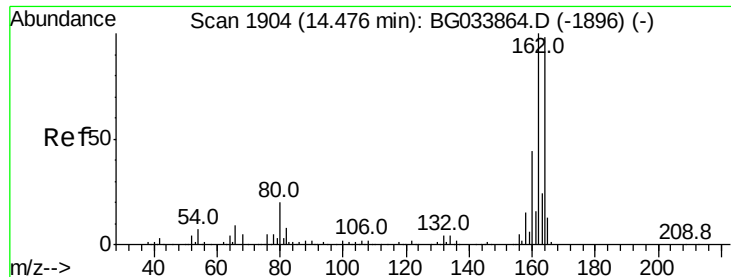


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG

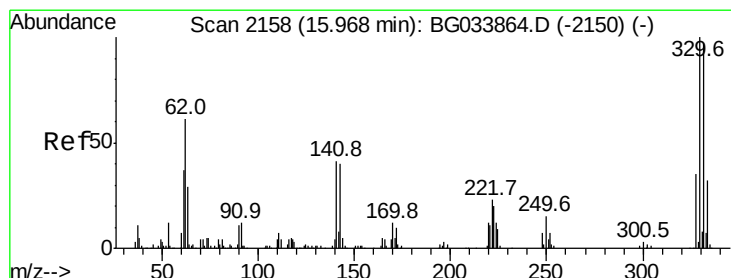
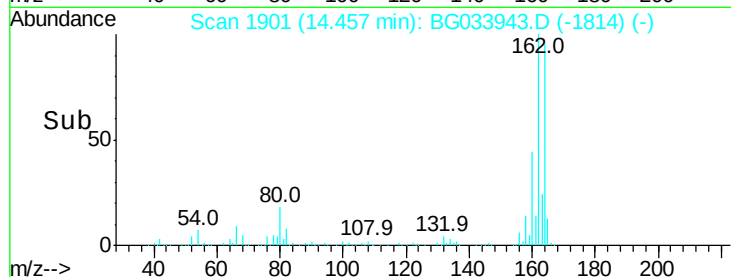
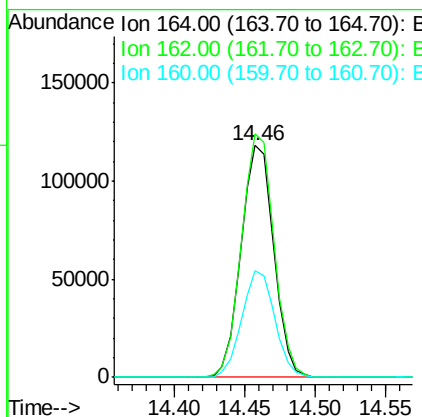
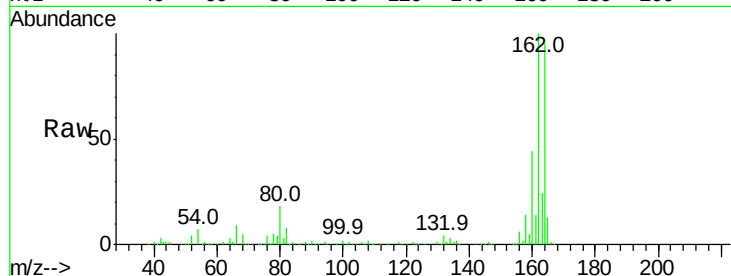




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.46 min Scan# 1901
 Delta R.T. -0.02 min
 Lab File: BG033943.D
 Acq: 24 Apr 2018 6:07

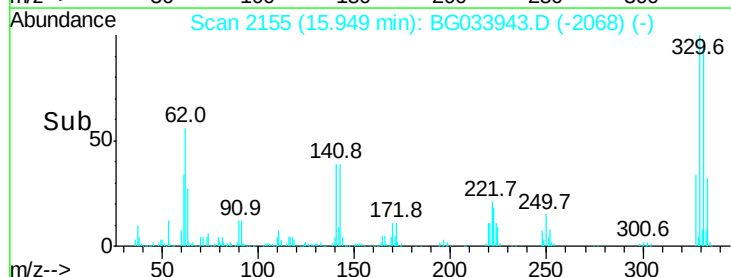
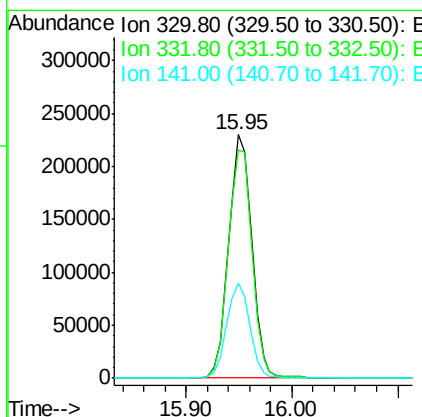
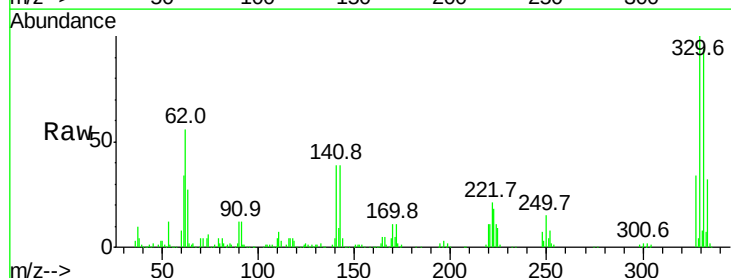
Instrument :
 BNA_G
 ClientSampleId :

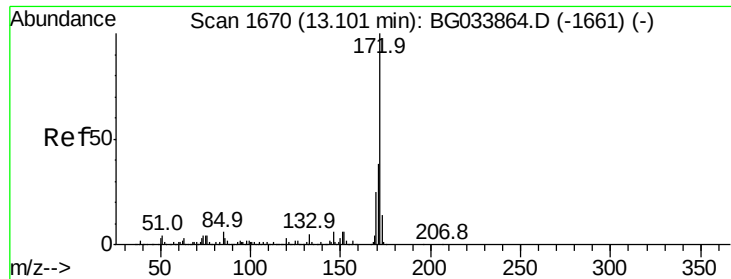
Tot Ion:164 Resp: 191558
 Ion Ratio Lower Upper
 164 100
 162 105.1 78.8 118.2
 160 46.3 35.4 53.0



#41
 2,4,6-Tribromophenol
 Concen: 155.406 ng
 RT: 15.95 min Scan# 2155
 Delta R.T. -0.02 min
 Lab File: BG033943.D
 Acq: 24 Apr 2018 6:07

Tgt Ion:330 Resp: 347307
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.0 115.6
 141 39.2 25.2 37.8#

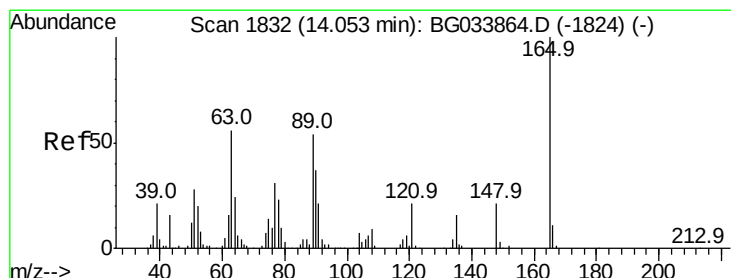
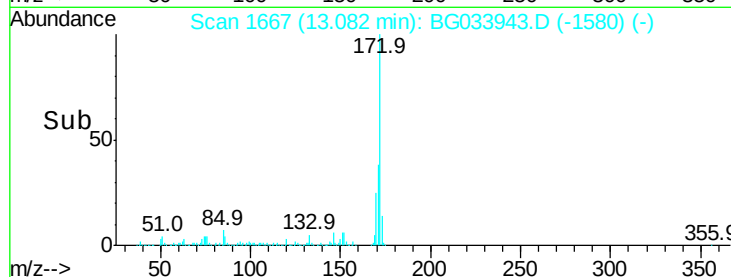
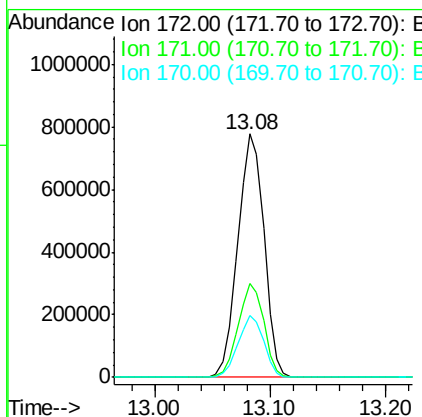
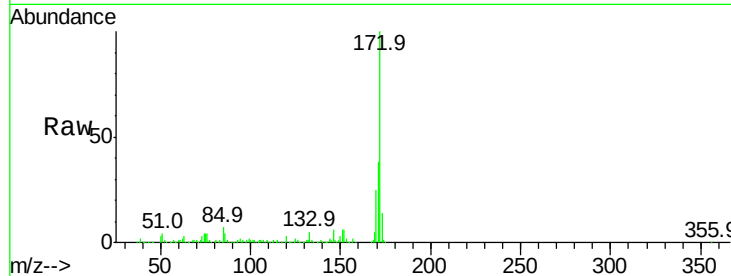




#44
2-Fluorobiphenyl
Concen: 93.528 ng
RT: 13.08 min Scan# 1667
Delta R.T. -0.02 min
Lab File: BG033943.D
Acq: 24 Apr 2018 6:07

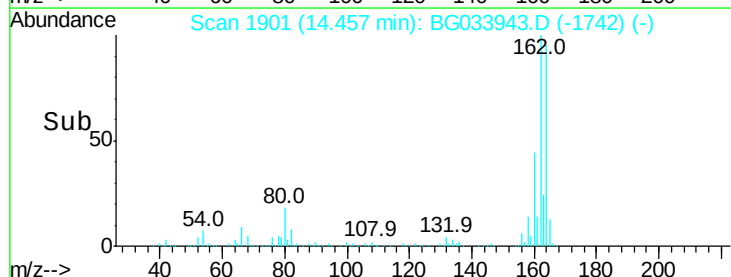
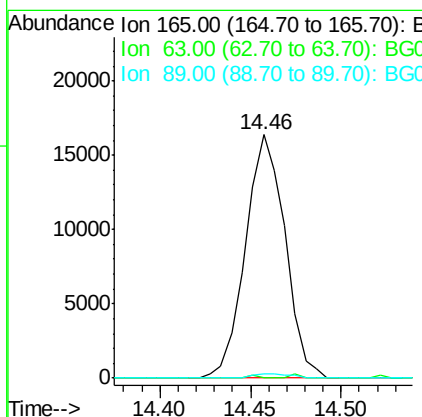
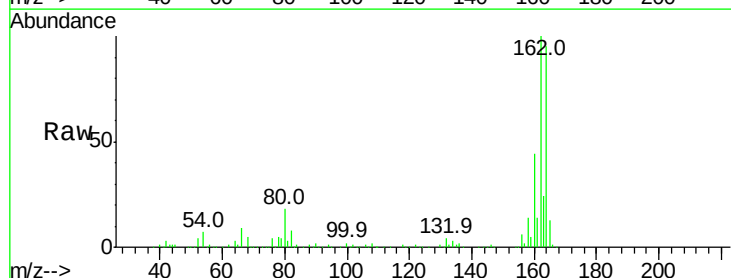
Instrument :
BNA_G
ClientSampled :

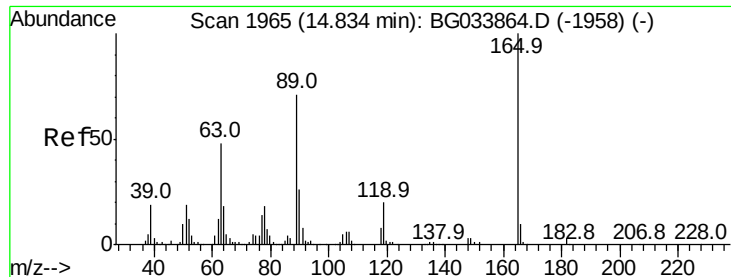
Tot Ion:172 Resp: 1219593
Ion Ratio Lower Upper
172 100
171 38.5 30.0 45.0
170 25.4 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.832 ng
RT: 14.46 min Scan# 1901
Delta R.T. 0.40 min
Lab File: BG033943.D
Acq: 24 Apr 2018 6:07

Tgt Ion:165 Resp: 25009
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 2.0 49.2 73.8#





#56

2,4-Dinitrotoluene

Concen: 5.889 ng

RT: 14.46 min Scan# 1901

Delta R.T. -0.38 min

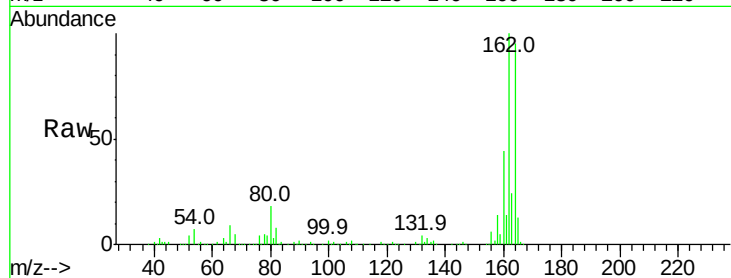
Lab File: BG033943.D

Acq: 24 Apr 2018 6:07

Instrument :

BNA_G

ClientSampled :



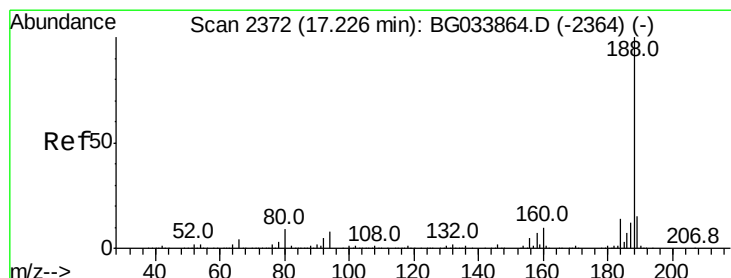
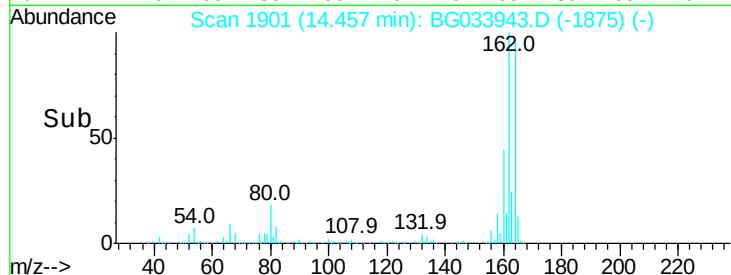
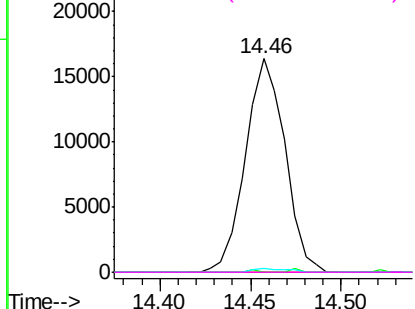
Tot Ion:	165	Resp:	25009
Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	2.0	66.9	100.3#
182	0.0	2.6	3.8#

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: 17.21 min Scan# 2369

Delta R.T. -0.02 min

Lab File: BG033943.D

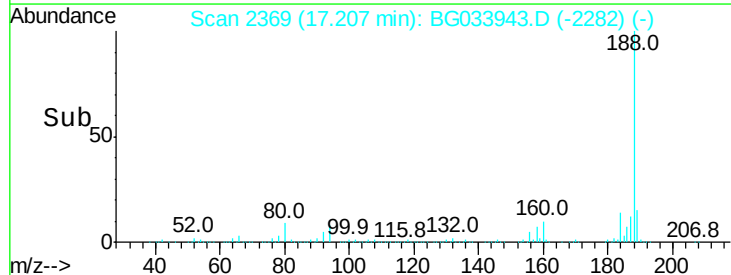
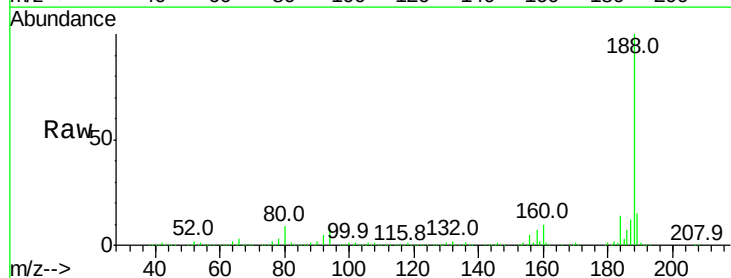
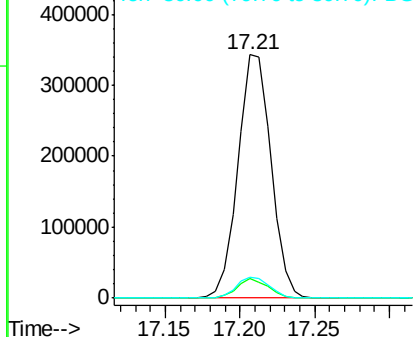
Acq: 24 Apr 2018 6:07

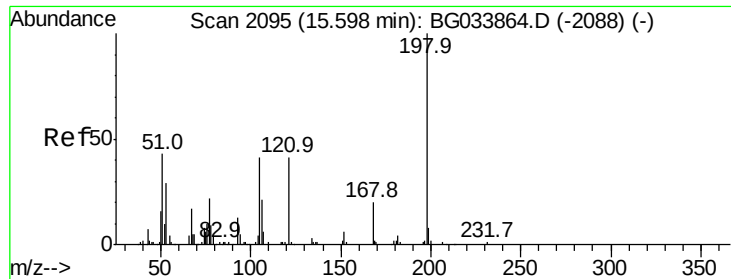
Tgt Ion:	188	Resp:	527303
Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.9	10.3
80	8.8	7.7	11.5

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

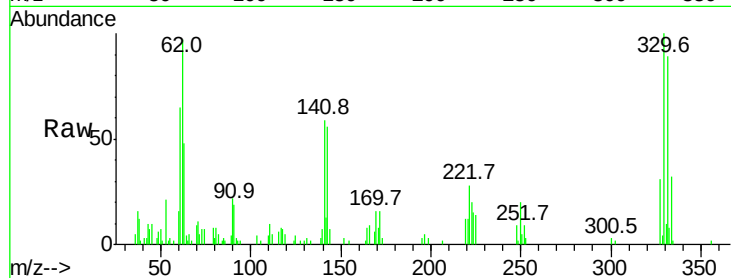




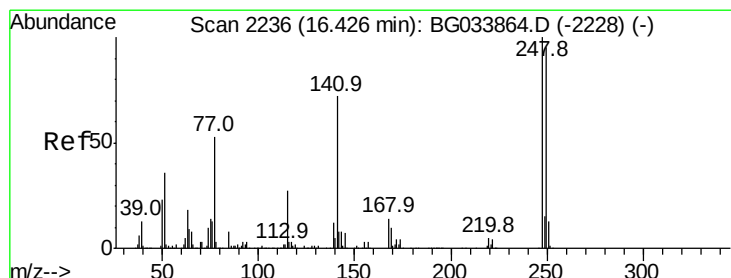
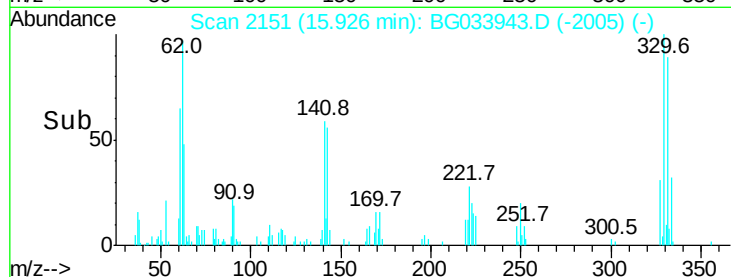
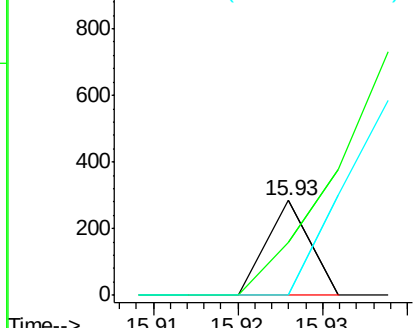
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.523 ng
 RT: 15.93 min Scan# 2151
 Delta R.T. 0.33 min
 Lab File: BG033943.D
 Acq: 24 Apr 2018 6:07

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 100
 Ion Ratio Lower Upper
 198 100
 51 55.8 30.6 70.6
 105 0.0 23.8 63.8#

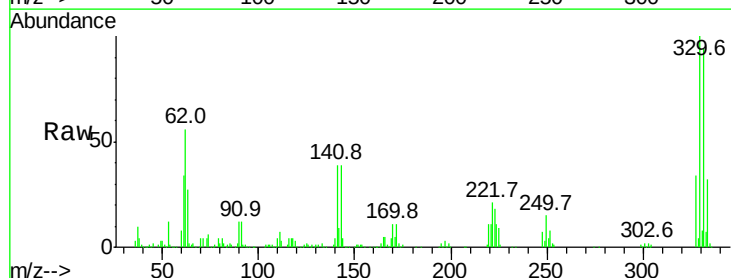


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

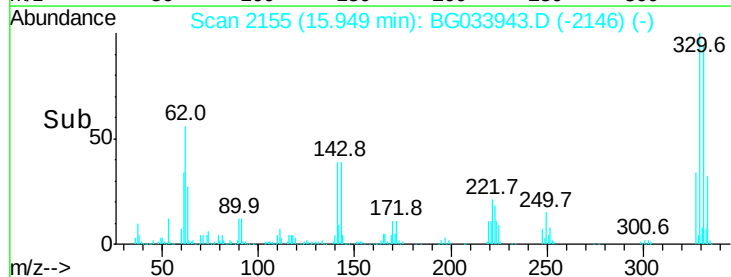
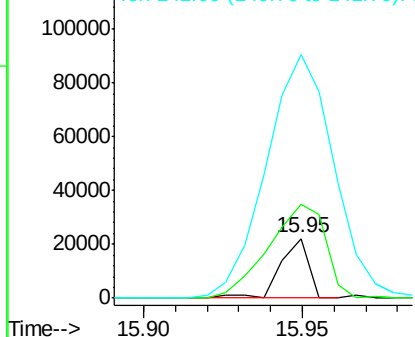


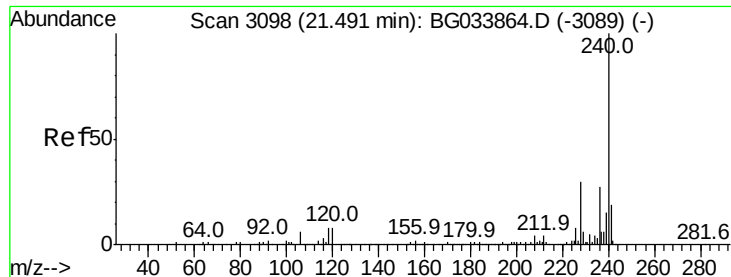
#66
 4-Bromophenyl-phenylether
 Concen: 2.313 ng
 RT: 15.95 min Scan# 2155
 Delta R.T. -0.48 min
 Lab File: BG033943.D
 Acq: 24 Apr 2018 6:07

Tgt Ion:248 Resp: 13397
 Ion Ratio Lower Upper
 248 100
 250 199.2 77.1 115.7#
 141 407.8 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: BG033943.D

Acq: 24 Apr 2018 6:07

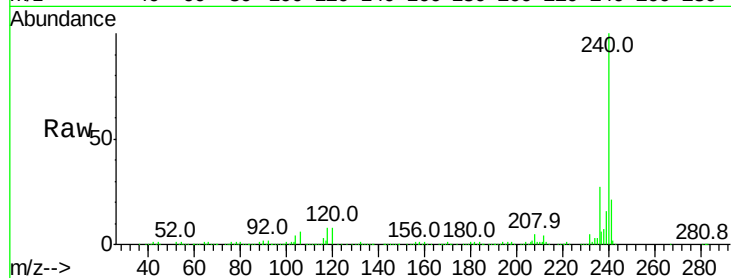
Instrument :

BNA_G

ClientSampled :

Tot Ion:240 Resp: 577875

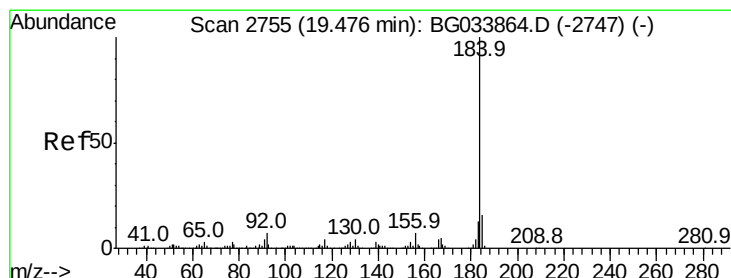
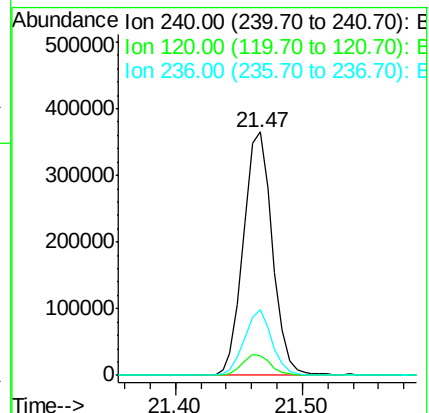
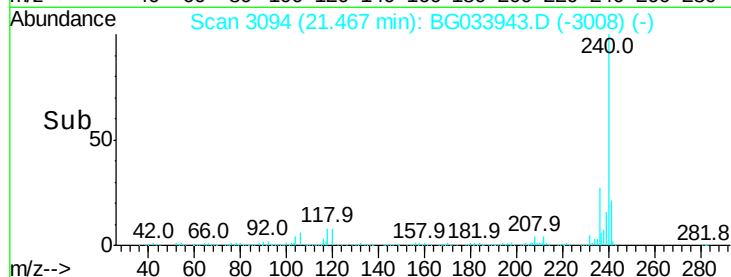
Ion	Ratio	Lower	Upper
240	100		
120	8.0	6.8	10.2
236	26.8	20.9	31.3



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



#76

Benzidine

Concen: 2.399 ng

RT: 19.85 min Scan# 2819

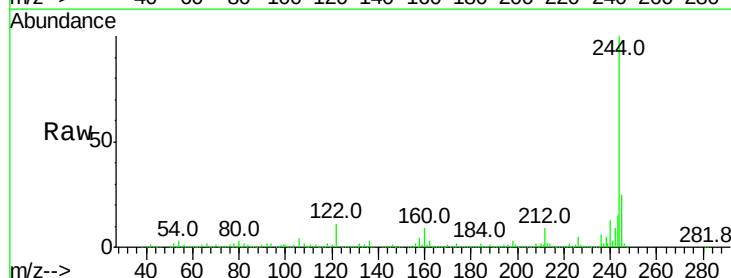
Delta R.T. 0.37 min

Lab File: BG033943.D

Acq: 24 Apr 2018 6:07

Tgt Ion:184 Resp: 37434

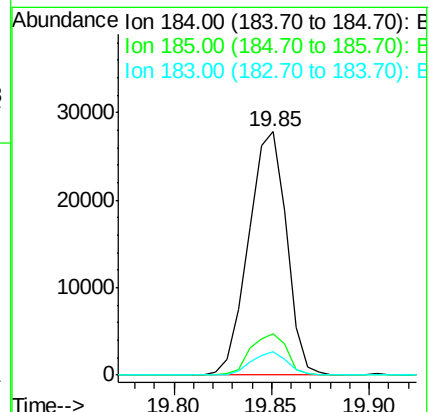
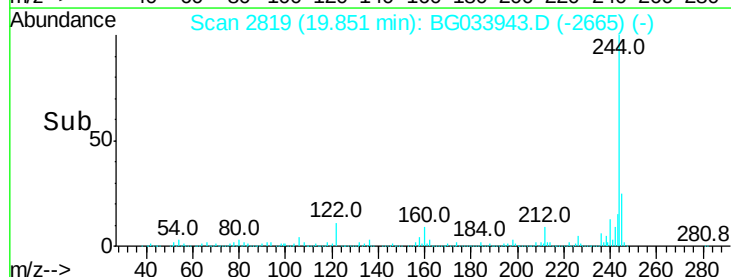
Ion	Ratio	Lower	Upper
184	100		
185	16.9	11.1	16.7#
183	9.5	10.6	16.0#

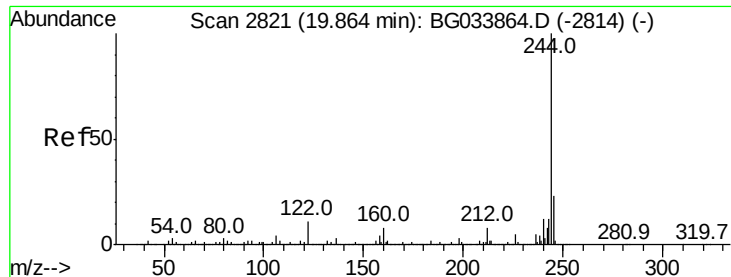


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

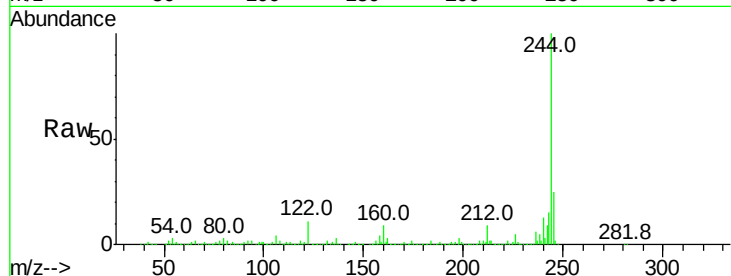




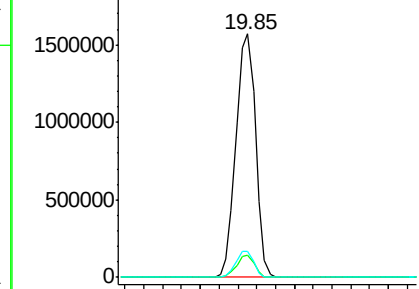
#78
 Terphenyl-d14
 Concen: 88.639 ng
 RT: 19.85 min Scan# 2819
 Delta R.T. -0.01 min
 Lab File: BG033943.D
 Acq: 24 Apr 2018 6:07

Instrument :
 BNA_G
 ClientSampleId :

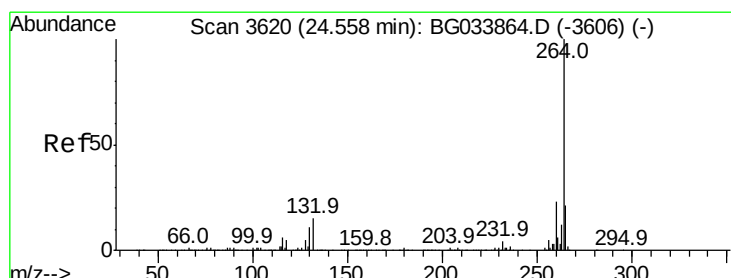
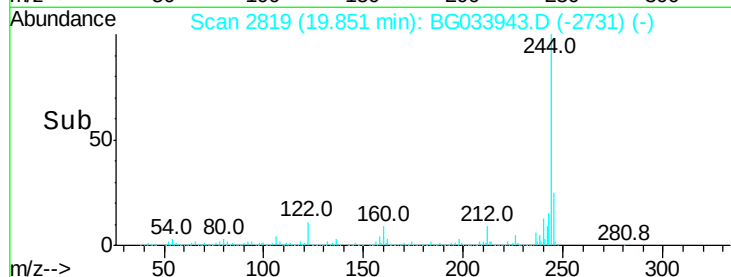
Tot Ion:244 Resp: 2279975
 Ion Ratio Lower Upper
 244 100
 212 9.0 5.8 8.8#
 122 10.9 7.0 10.4#



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

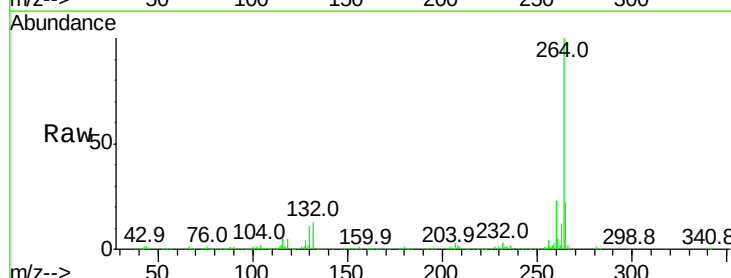


Time-->

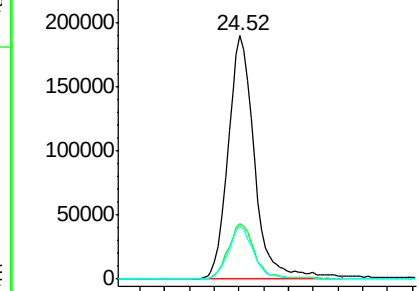


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.52 min Scan# 3614
 Delta R.T. -0.04 min
 Lab File: BG033943.D
 Acq: 24 Apr 2018 6:07

Tgt Ion:264 Resp: 565986
 Ion Ratio Lower Upper
 264 100
 260 22.8 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



Time-->

