

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042718\
 Data File : BG034052.D
 Acq On : 27 Apr 2018 23:19
 Operator : SJ/JU
 Sample : J2549-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 28 00:35:49 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

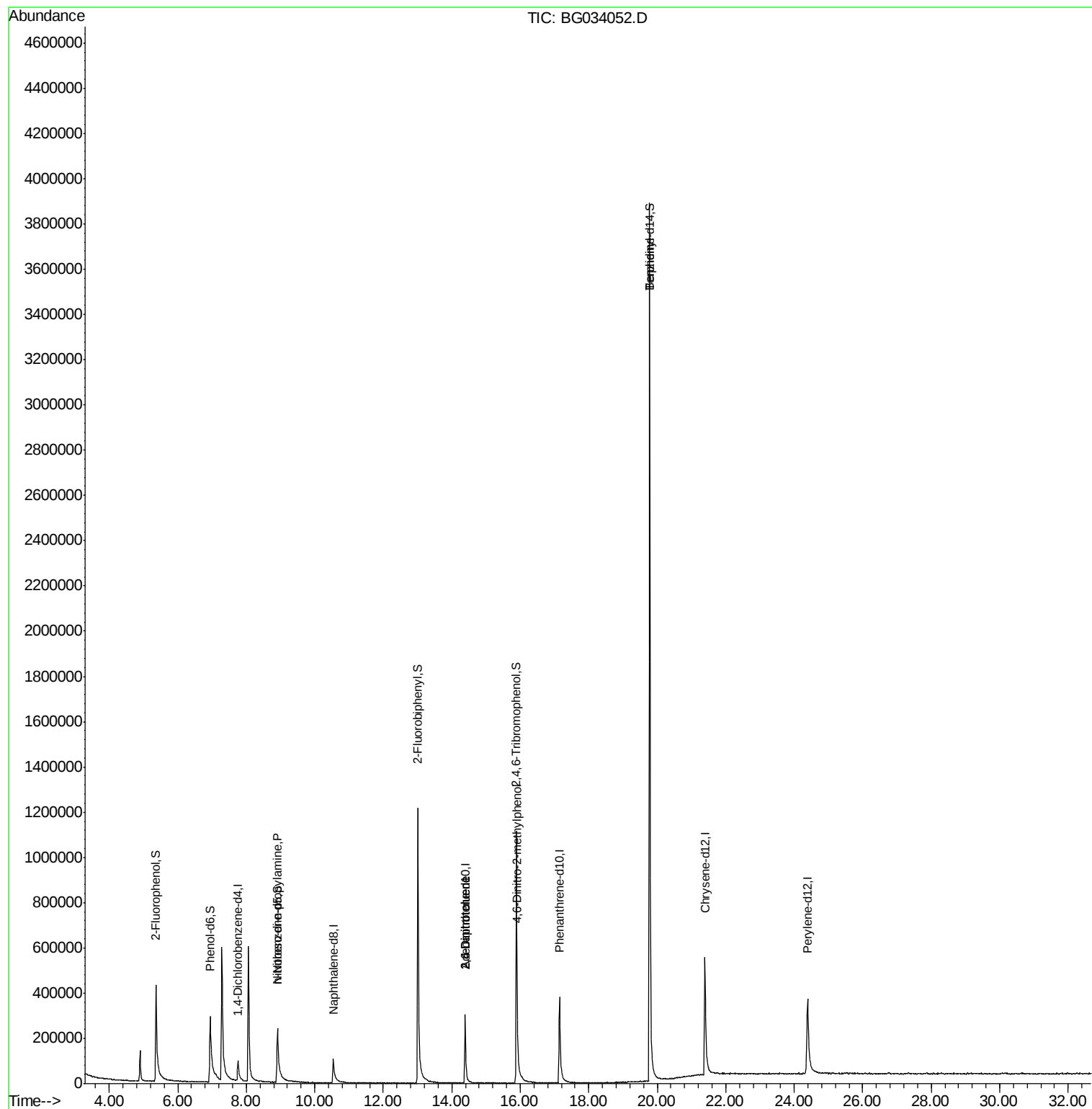
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	35867	20.00	ng	-0.08
21) Naphthalene-d8	10.54	136	207367	20.00	ng	-0.09
38) Acenaphthene-d10	14.39	164	160519	20.00	ng	-0.08
63) Phenanthrene-d10	17.14	188	462117	20.00	ng	-0.08
75) Chrysene-d12	21.39	240	552766	20.00	ng	-0.10
86) Perylene-d12	24.39	264	535435	20.00	ng	-0.17
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	372913	165.99	ng	-0.08
7) Phenol-d6	6.94	99	440254	134.36	ng	-0.06
23) Nitrobenzene-d5	8.91	82	296236	81.30	ng	-0.08
41) 2,4,6-Tribromophenol	15.89	330	326641	174.42	ng	-0.08
44) 2-Fluorobiphenyl	13.01	172	1076725	98.54	ng	-0.09
78) Terphenyl-d14	19.78	244	2380629	96.76	ng	-0.08
Target Compounds						
9) Benzaldehyde	6.90	77	65	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	8.91	70	40796	14.606 ng	#	74
50) 2,6-Dinitrotoluene	14.39	165	19935	7.450 ng	#	20
56) 2,4-Dinitrotoluene	14.39	165	19935	5.602 ng	#	18
64) 4,6-Dinitro-2-methylphenol	15.91	198	679	6.753 ng	#	90
76) Benzydine	19.78	184	33550	2.248 ng	#	94

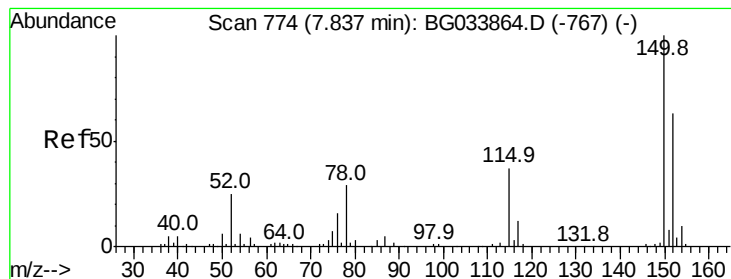
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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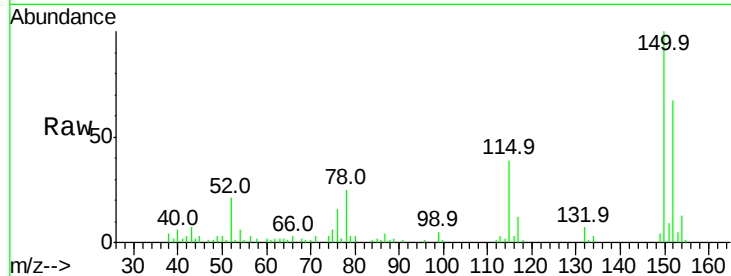


#1

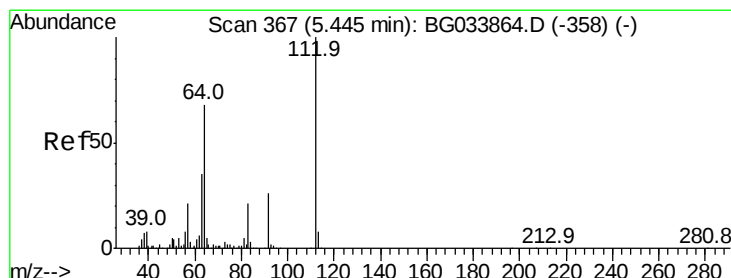
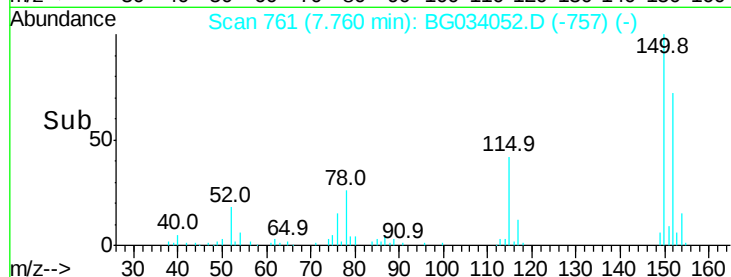
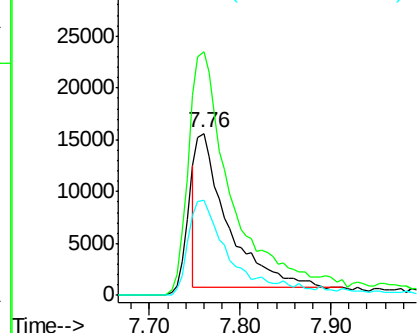
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.76 min Scan# 761
Delta R.T. -0.08 min
Lab File: BG034052.D
Acq: 27 Apr 2018 23:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 35867
Ion Ratio Lower Upper
152 100
150 150.0 126.6 189.8
115 58.9 53.0 79.4



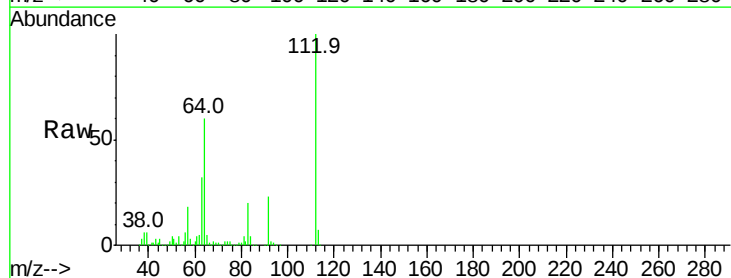
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



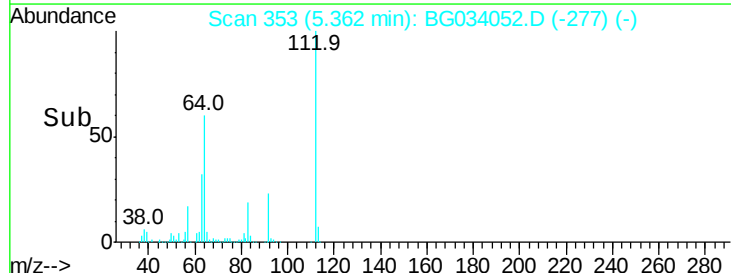
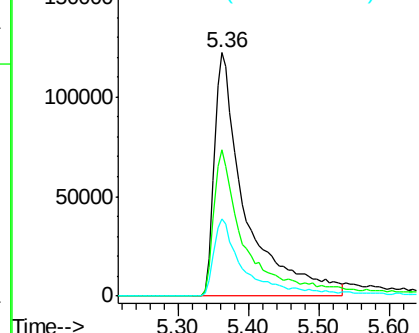
#5

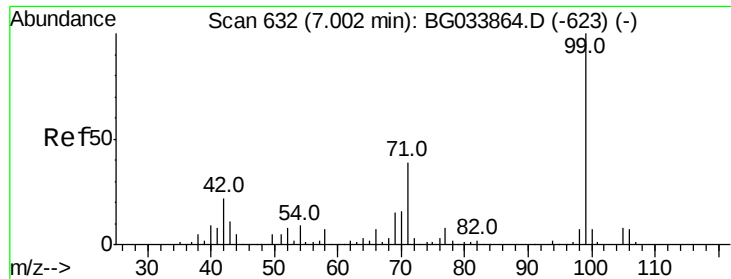
2-Fluorophenol
Concen: 165.993 ng
RT: 5.36 min Scan# 353
Delta R.T. -0.08 min
Lab File: BG034052.D
Acq: 27 Apr 2018 23:19

Tgt Ion:112 Resp: 372913
Ion Ratio Lower Upper
112 100
64 60.2 56.3 84.5
63 31.7 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: 134.358 ng

RT: 6.94 min Scan# 622

Delta R.T. -0.06 min

Lab File: BG034052.D

Acq: 27 Apr 2018 23:19

Instrument :

BNA_G

ClientSampled :

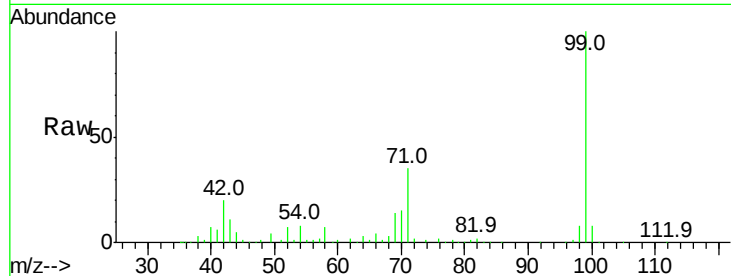
Tot Ion: 99 Resp: 440254

Ion Ratio Lower Upper

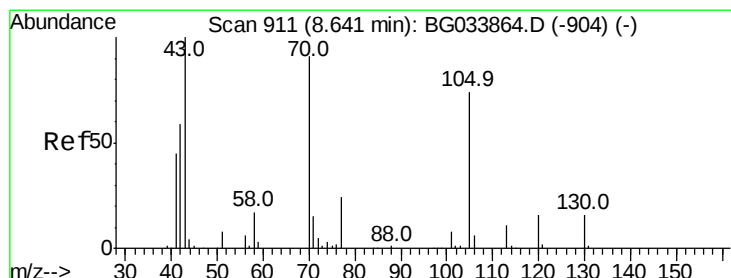
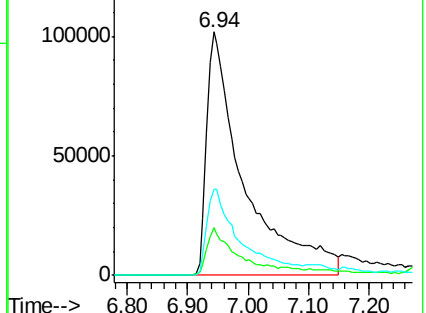
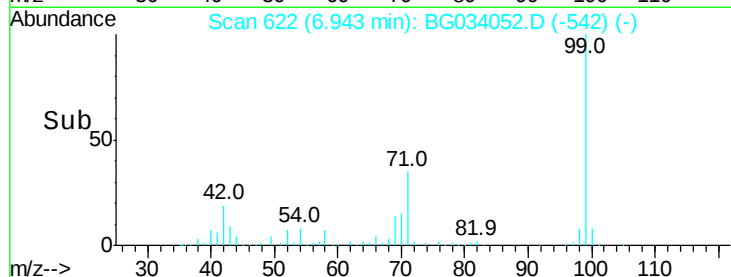
99 100

42 19.6 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



#19

n-Nitroso-di-n-propylamine

Concen: 14.606 ng

RT: 8.91 min Scan# 957

Delta R.T. 0.27 min

Lab File: BG034052.D

Acq: 27 Apr 2018 23:19

Tgt Ion: 70 Resp: 40796

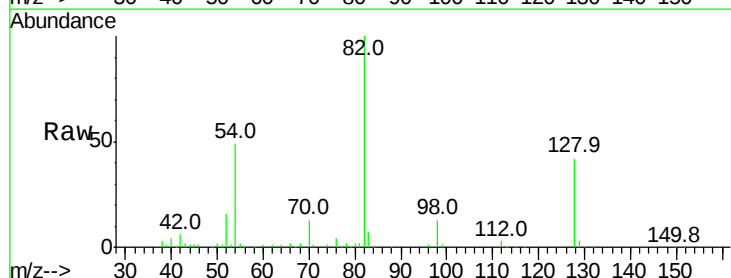
Ion Ratio Lower Upper

70 100

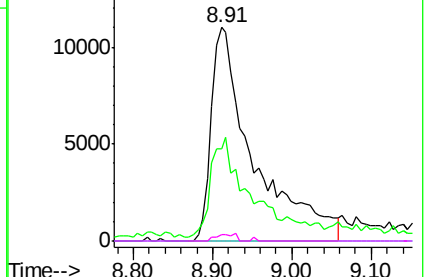
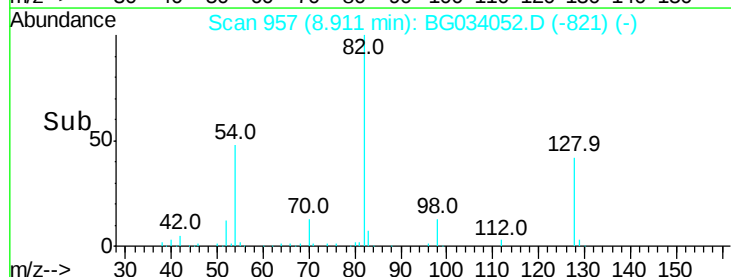
42 43.4 49.1 73.7#

101 0.0 8.5 12.7#

130 2.8 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

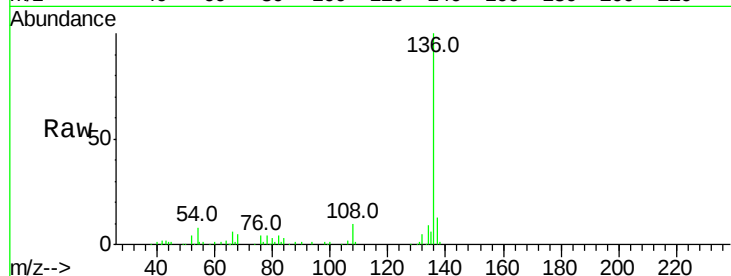




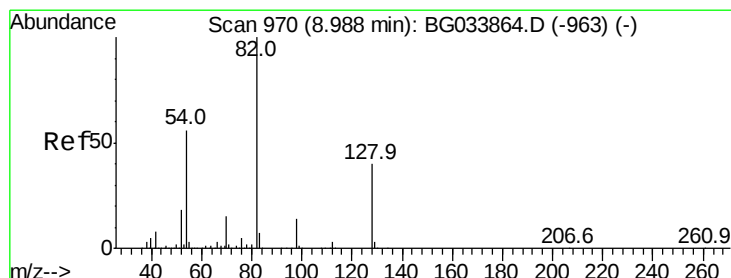
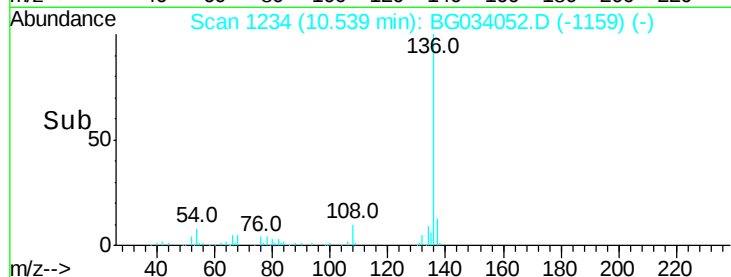
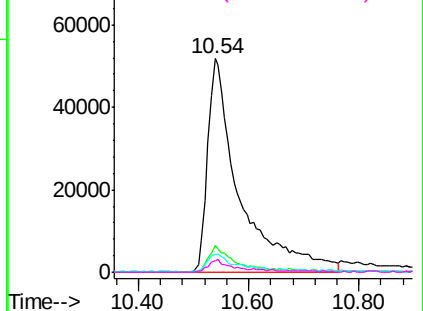
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.54 min Scan# 1234
Delta R.T. -0.09 min
Lab File: BG034052.D
Acq: 27 Apr 2018 23:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	207367
Ion	Ratio	Lower	Upper
136	100		
137	12.6	9.2	13.8
54	8.9	10.3	15.5#
68	5.3	4.5	6.7

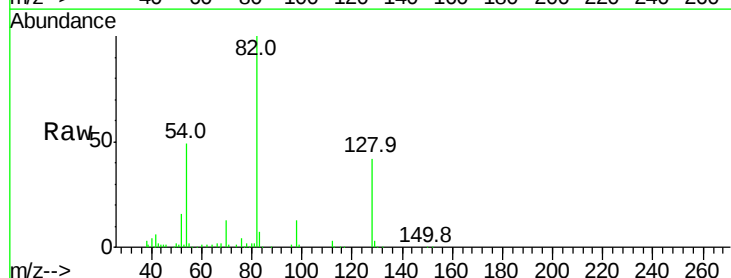


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

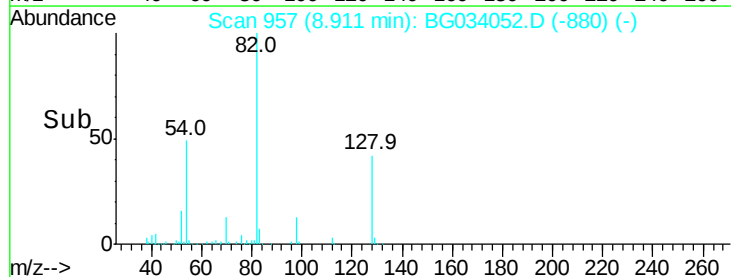
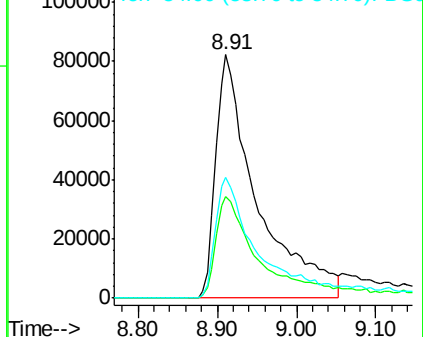


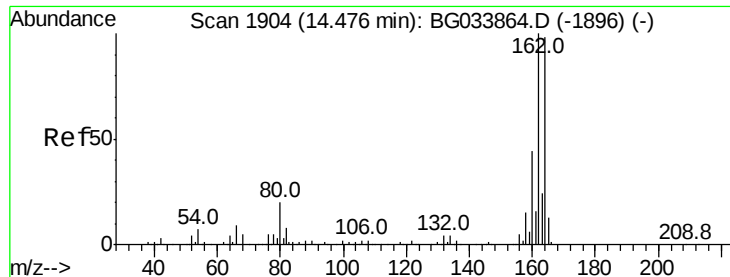
#23
Nitrobenzene-d5
Concen: 81.299 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.08 min
Lab File: BG034052.D
Acq: 27 Apr 2018 23:19

Tgt Ion:	82	Resp:	296236
Ion	Ratio	Lower	Upper
82	100		
128	41.7	29.7	44.5
54	49.4	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

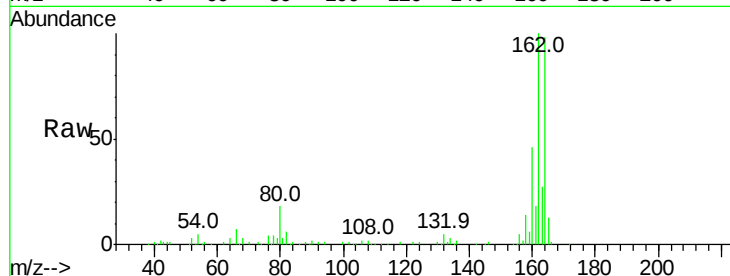




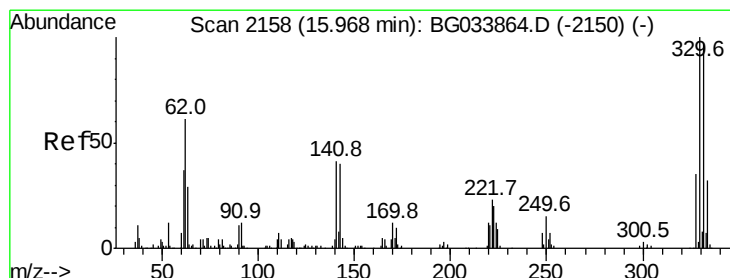
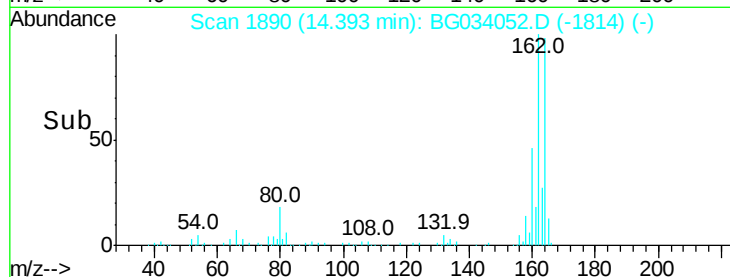
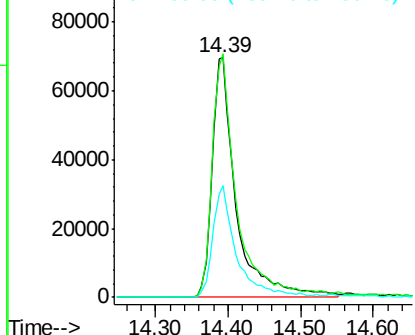
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.39 min Scan# 1890
 Delta R.T. -0.08 min
 Lab File: BG034052.D
 Acq: 27 Apr 2018 23:19

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:164 Resp: 160519
 Ion Ratio Lower Upper
 164 100
 162 101.8 78.8 118.2
 160 46.6 35.4 53.0

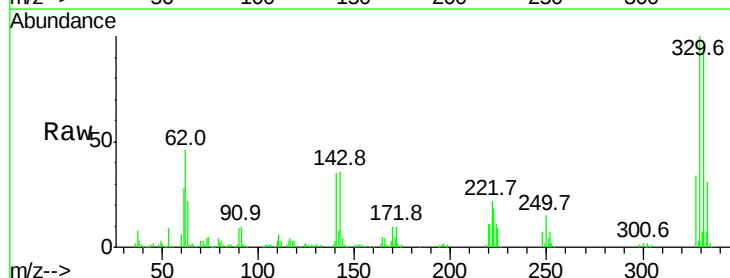


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

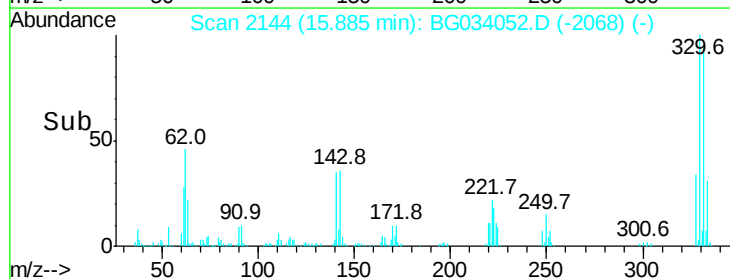
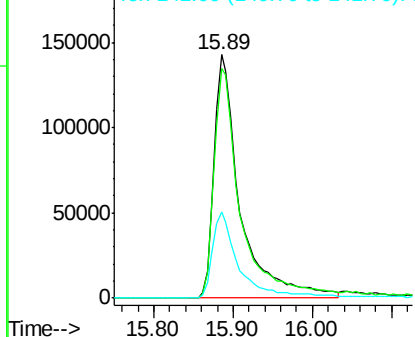


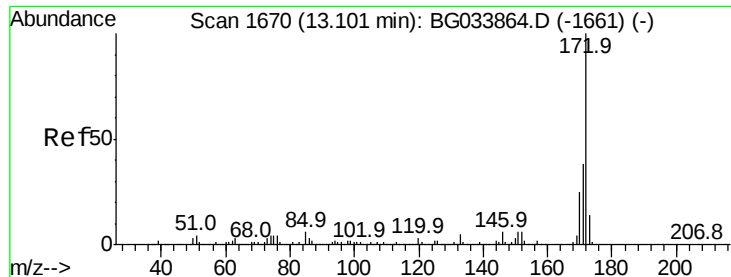
#41
 2,4,6-Tribromophenol
 Concen: 174.421 ng
 RT: 15.89 min Scan# 2144
 Delta R.T. -0.08 min
 Lab File: BG034052.D
 Acq: 27 Apr 2018 23:19

Tgt Ion:330 Resp: 326641
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.0 115.6
 141 35.1 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

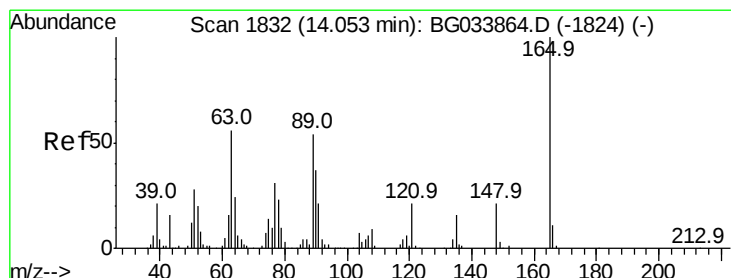
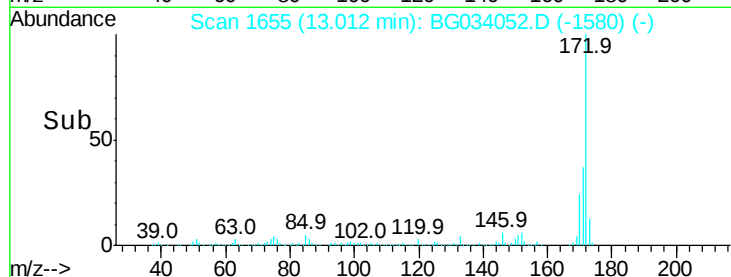
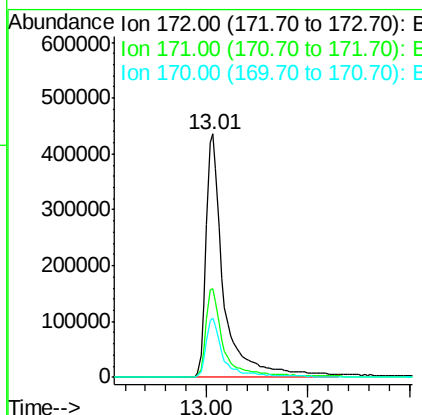
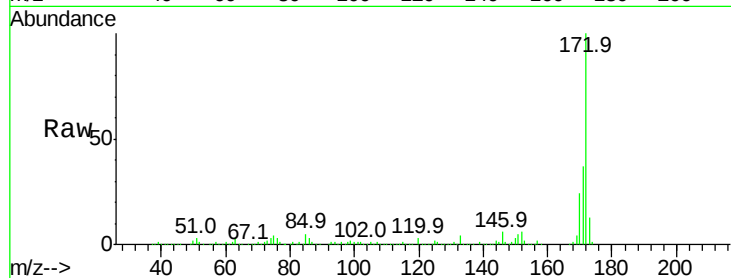




#44
2-Fluorobiphenyl
Concen: 98.539 ng
RT: 13.01 min Scan# 1655
Delta R.T. -0.09 min
Lab File: BG034052.D
Acq: 27 Apr 2018 23:19

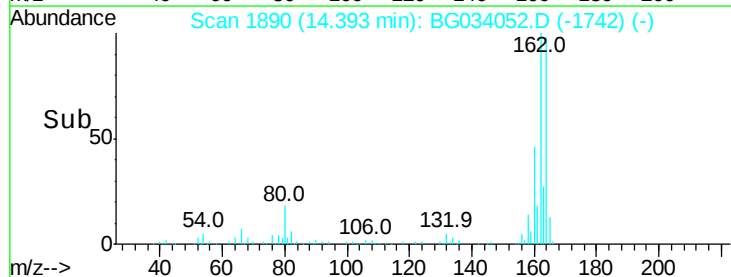
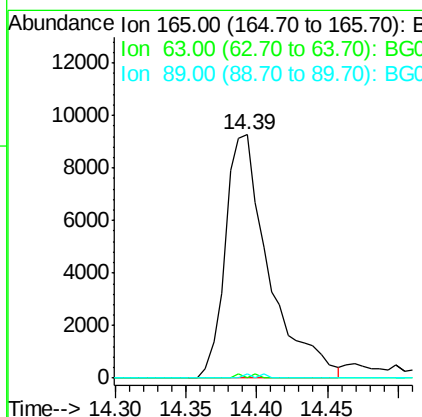
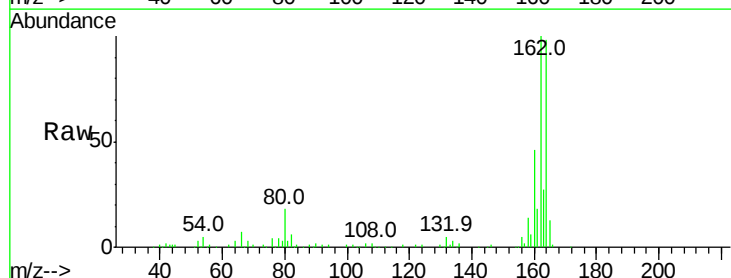
Instrument :
BNA_G
ClientSampled :

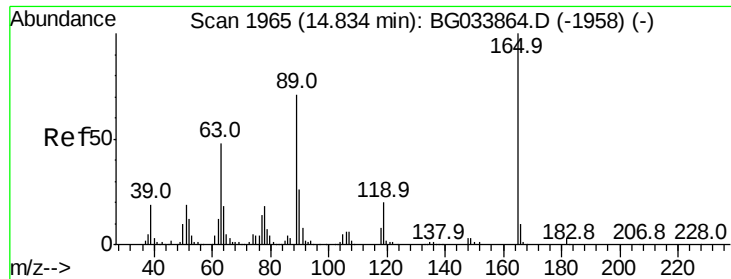
Tot Ion:172 Resp: 1076725
Ion Ratio Lower Upper
172 100
171 36.6 30.0 45.0
170 24.4 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.450 ng
RT: 14.39 min Scan# 1890
Delta R.T. 0.34 min
Lab File: BG034052.D
Acq: 27 Apr 2018 23:19

Tgt Ion:165 Resp: 19935
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 1.9 49.2 73.8#

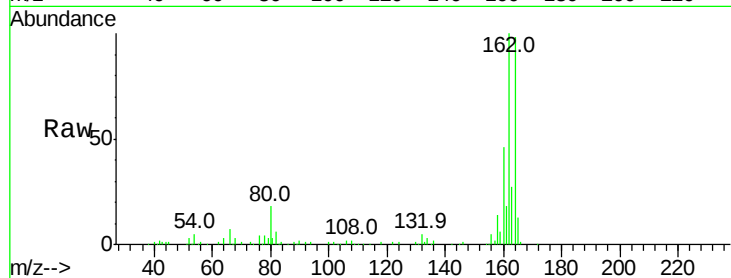




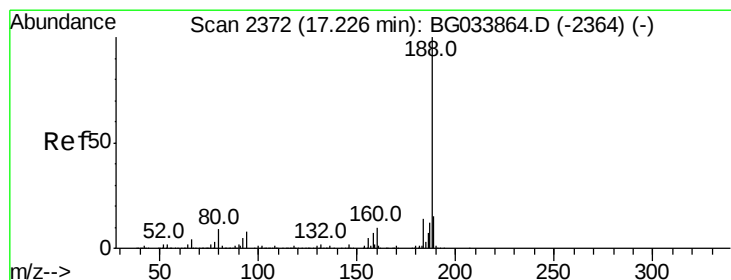
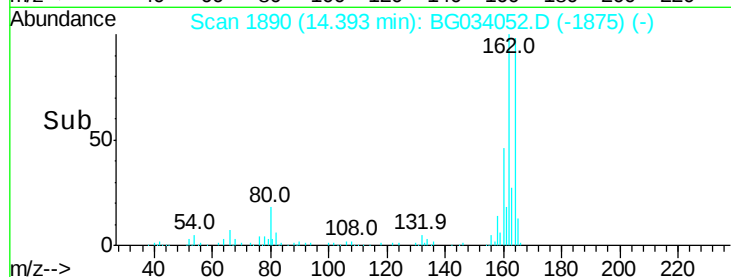
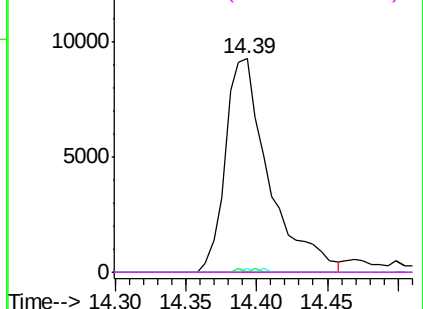
#56
 2,4-Dinitrotoluene
 Concen: 5.602 ng
 RT: 14.39 min Scan# 1890
 Delta R.T. -0.44 min
 Lab File: BG034052.D
 Acq: 27 Apr 2018 23:19

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:165 Resp: 19935
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 1.9 66.9 100.3#
 182 0.0 2.6 3.8#

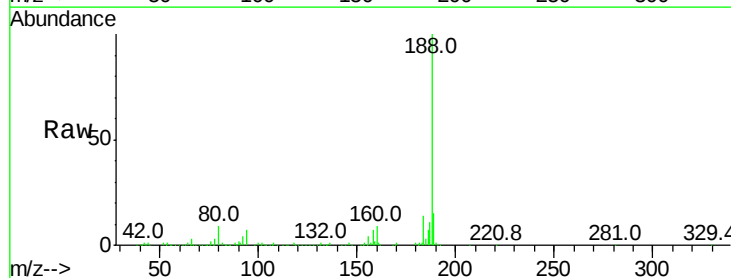


Abundance Ion 165.00 (164.70 to 165.70): E

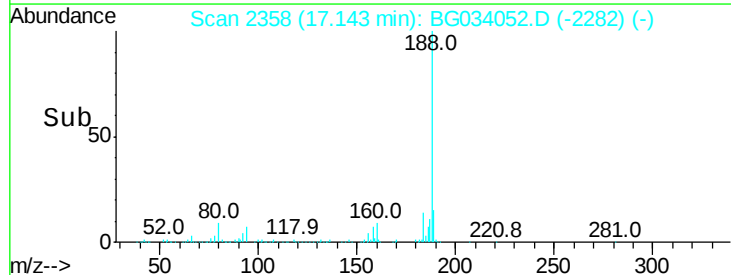
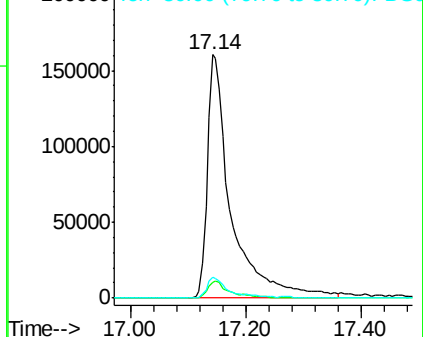


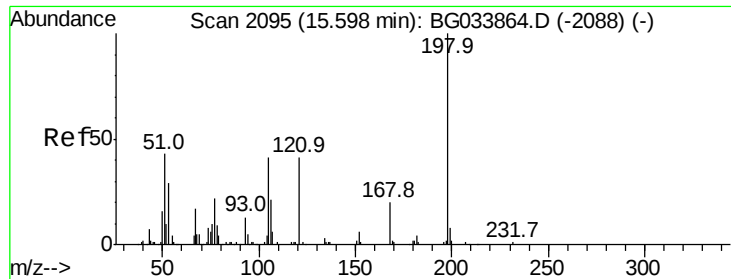
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.14 min Scan# 2358
 Delta R.T. -0.08 min
 Lab File: BG034052.D
 Acq: 27 Apr 2018 23:19

Tgt Ion:188 Resp: 462117
 Ion Ratio Lower Upper
 188 100
 94 6.6 6.9 10.3#
 80 8.6 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

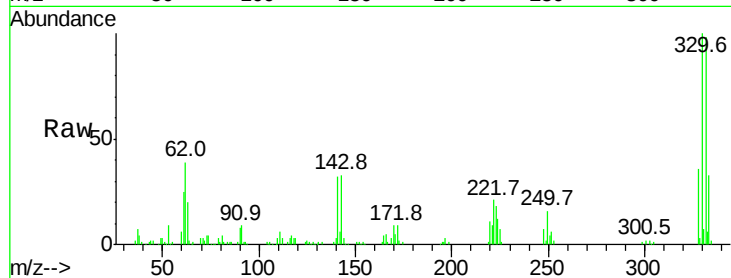




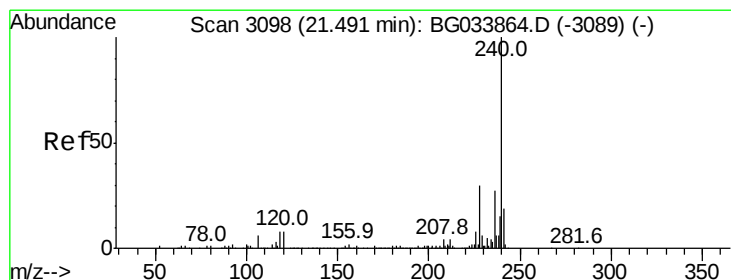
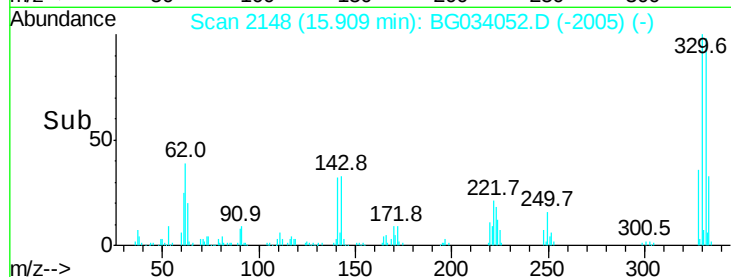
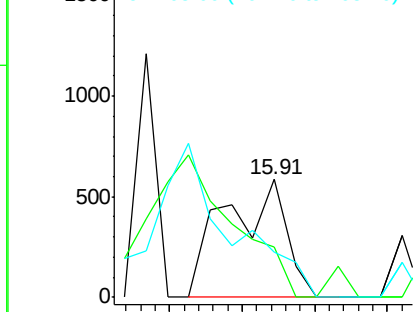
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.753 ng
 RT: 15.91 min Scan# 2148
 Delta R.T. 0.31 min
 Lab File: BG034052.D
 Acq: 27 Apr 2018 23:19

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 679
 Ion Ratio Lower Upper
 198 100
 51 43.2 30.6 70.6
 105 38.5 23.8 63.8

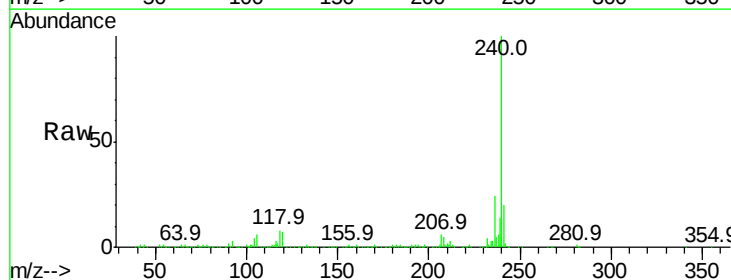


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

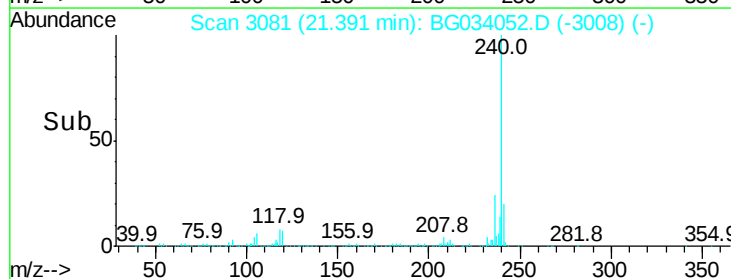
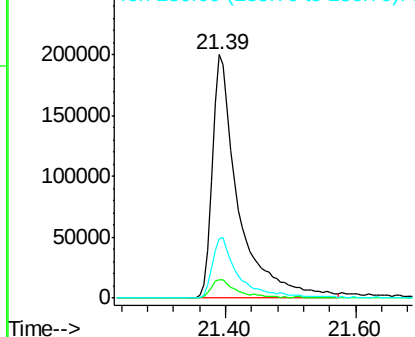


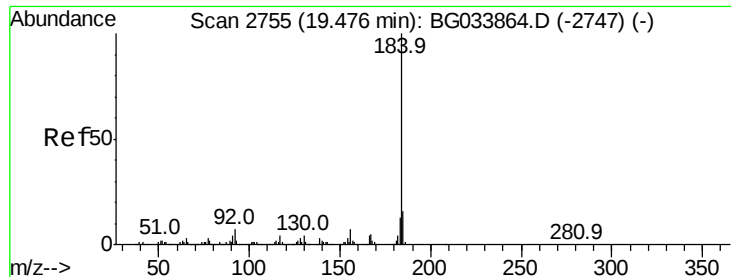
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.39 min Scan# 3081
 Delta R.T. -0.10 min
 Lab File: BG034052.D
 Acq: 27 Apr 2018 23:19

Tgt Ion:240 Resp: 552766
 Ion Ratio Lower Upper
 240 100
 120 7.3 6.8 10.2
 236 24.3 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





#76

Benzidine

Concen: 2.248 ng

RT: 19.78 min Scan# 2807

Delta R.T. 0.30 min

Lab File: BG034052.D

Acq: 27 Apr 2018 23:19

Instrument :

BNA_G

ClientSampleId :

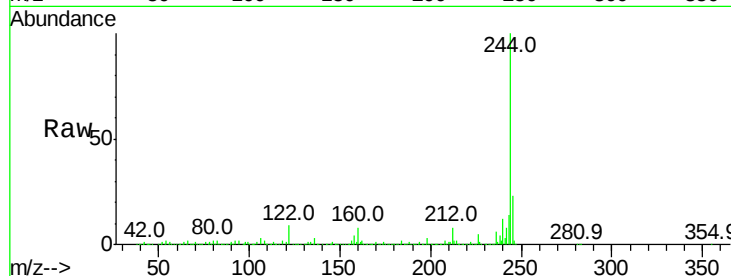
Tot Ion:184 Resp: 33550

Ion Ratio Lower Upper

184 100

185 15.2 11.1 16.7

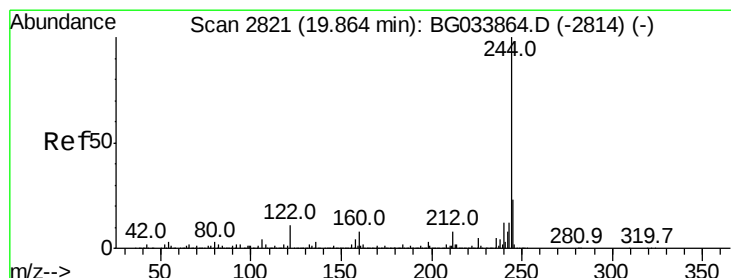
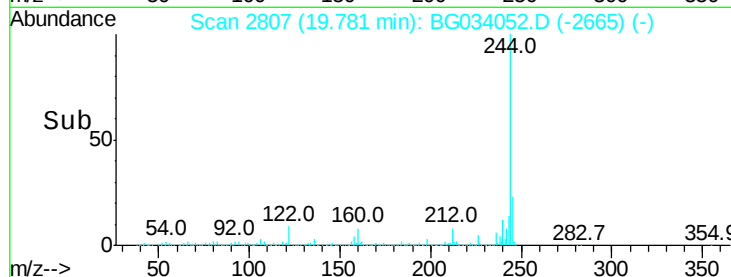
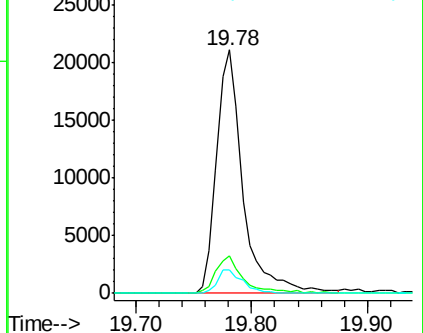
183 9.4 10.6 16.0#



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: 96.756 ng

RT: 19.78 min Scan# 2807

Delta R.T. -0.08 min

Lab File: BG034052.D

Acq: 27 Apr 2018 23:19

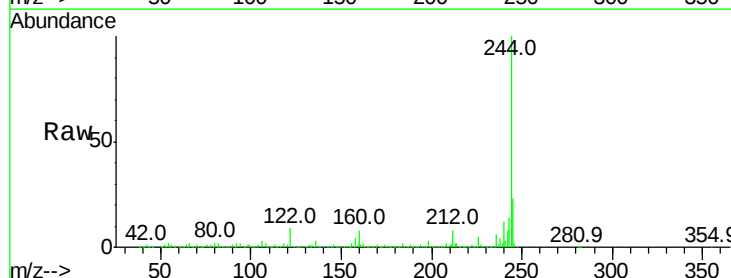
Tgt Ion:244 Resp: 2380629

Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.8

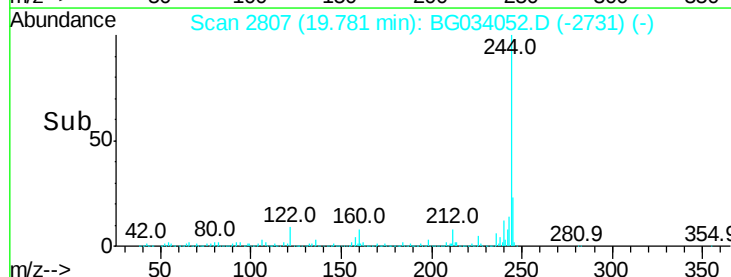
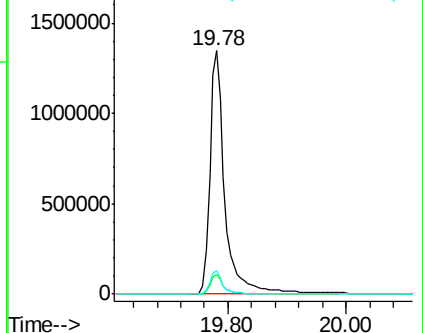
122 9.5 7.0 10.4

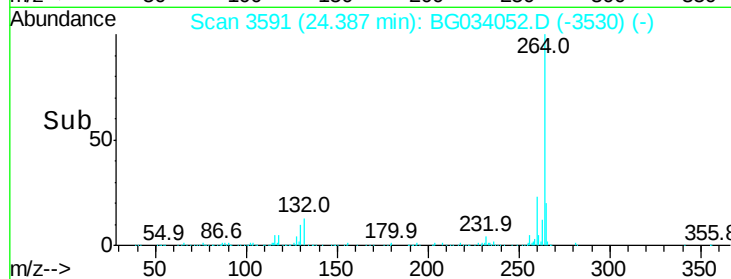
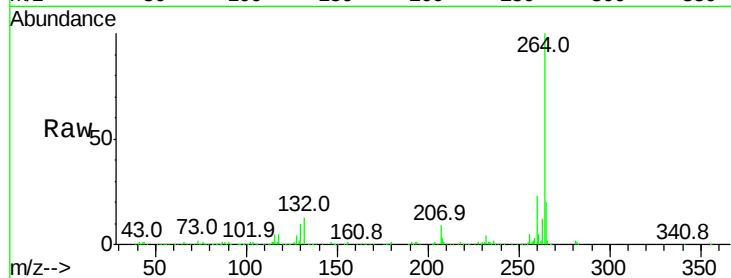
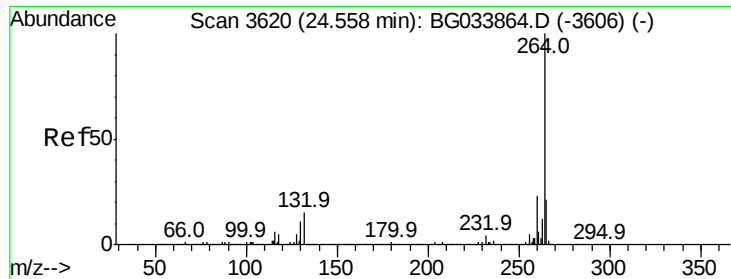


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.39 min Scan# 3591
 Delta R.T. -0.17 min
 Lab File: BG034052.D
 Acq: 27 Apr 2018 23:19

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.4	26.0
265	20.2	17.7	26.5

