

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030118\
 Data File : BG032934.D
 Acq On : 2 Mar 2018 1:47
 Operator : SJ/JU
 Sample : PB106973BL
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 02 10:08:40 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 01 17:38:52 2018
 Response via : Initial Calibration

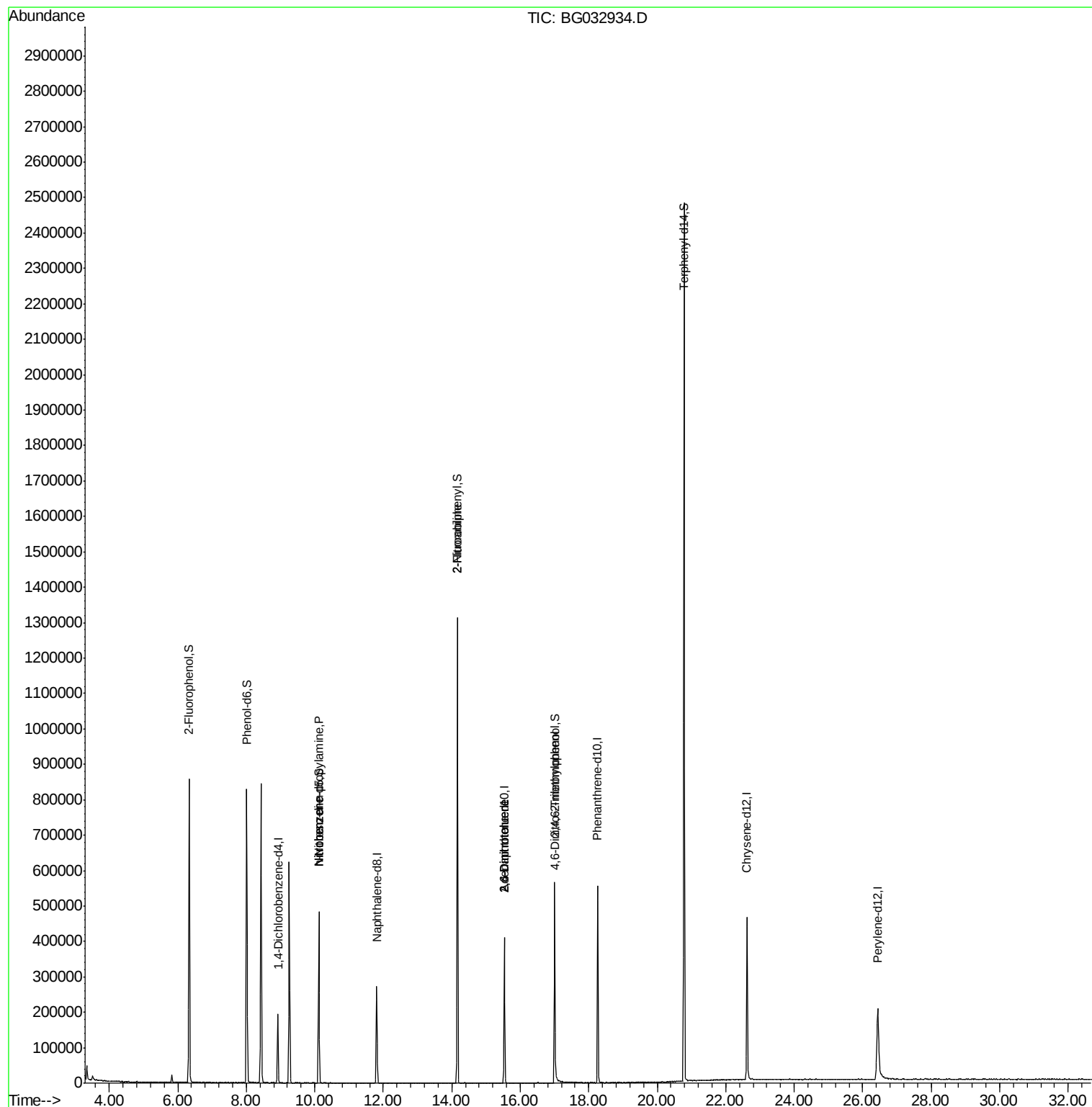
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	57997	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	250068	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	141004	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	335455	20.00	ng	0.00
75) Chrysene-d12	22.62	240	316389	20.00	ng	0.00
86) Perylene-d12	26.44	264	304903	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	413510	114.07	ng	0.00
7) Phenol-d6	8.02	99	536650	106.21	ng	0.00
23) Nitrobenzene-d5	10.12	82	303732	84.37	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	102893	69.40	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	705623	72.17	ng	0.00
78) Terphenyl-d14	20.78	244	1079704	76.67	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.11	70	38906	10.906	ng	# 84
24) Nitrobenzene	10.11	77	785	6.551	ng	# 42
47) 2-Nitroaniline	14.16	65	1221	10.254	ng	# 1
50) 2,6-Dinitrotoluene	15.54	165	18163	16.365	ng	# 19
56) 2,4-Dinitrotoluene	15.54	165	18163	14.562	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.99	198	282	5.306	ng	90

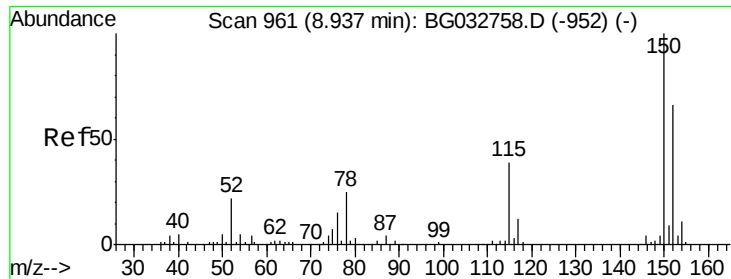
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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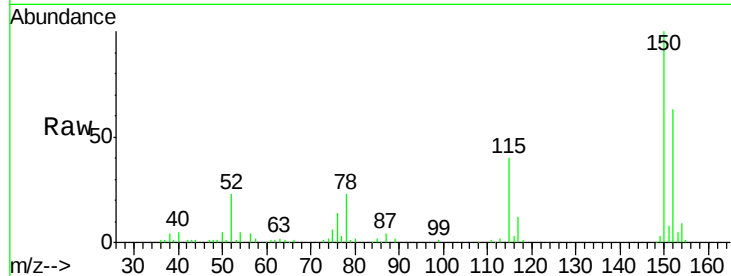


#1

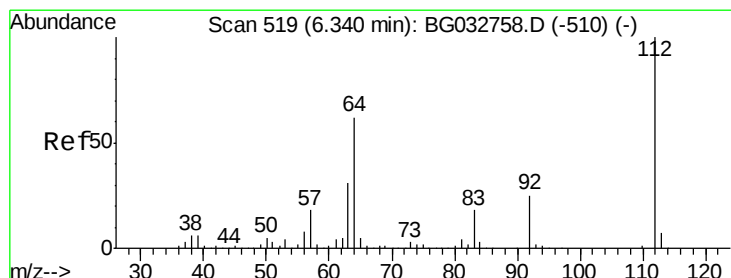
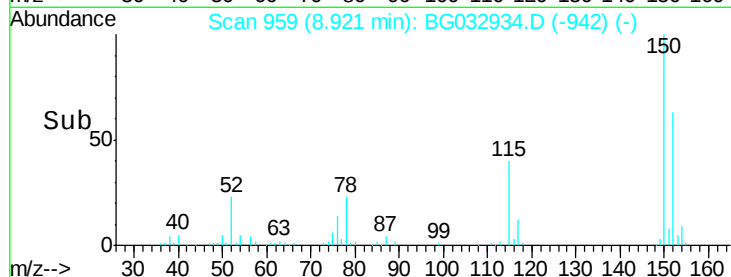
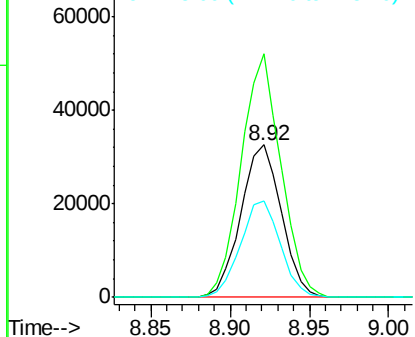
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 959
Delta R.T. 0.00 min
Lab File: BG032934.D
Acq: 2 Mar 2018 1:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 57997
Ion Ratio Lower Upper
152 100
150 159.7 126.6 189.8
115 63.4 53.0 79.4



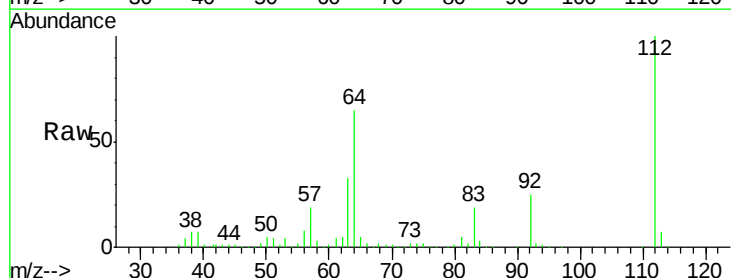
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



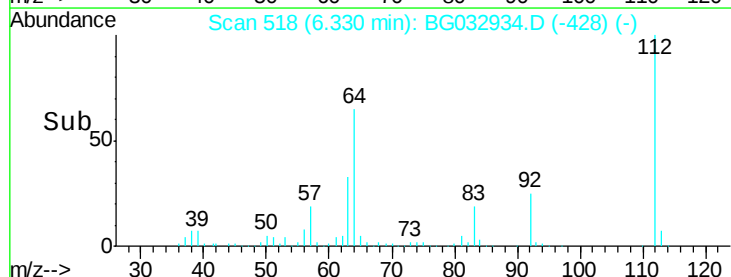
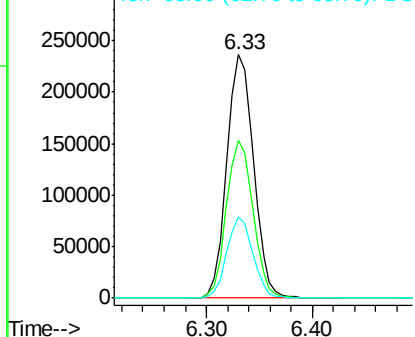
#5

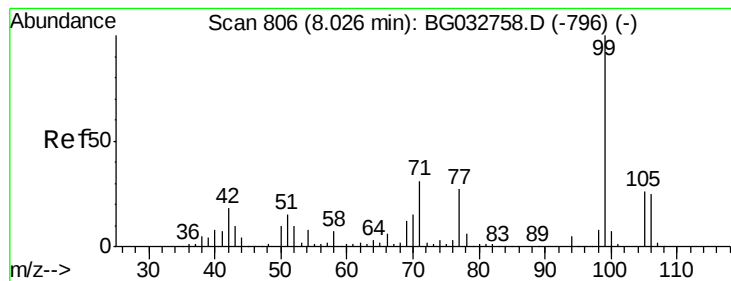
2-Fluorophenol
Concen: 114.067 ng
RT: 6.33 min Scan# 518
Delta R.T. 0.00 min
Lab File: BG032934.D
Acq: 2 Mar 2018 1:47

Tgt Ion:112 Resp: 413510
Ion Ratio Lower Upper
112 100
64 64.7 56.3 84.5
63 33.1 30.1 45.1



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





#7

Phenol-d6

Concen: 106.205 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG032934.D

Acq: 2 Mar 2018 1:47

Instrument :

BNA_G

ClientSampleId :

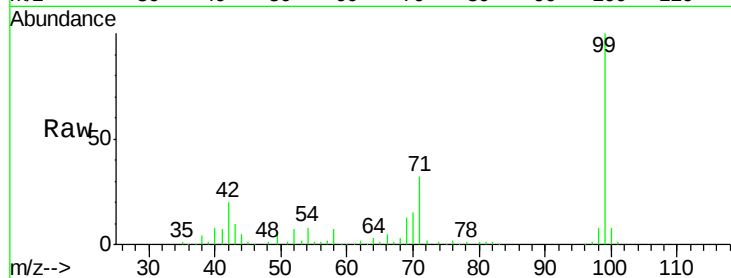
Tot Ion: 99 Resp: 536650

Ion Ratio Lower Upper

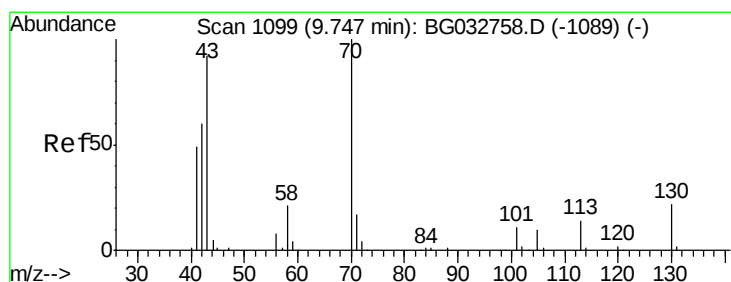
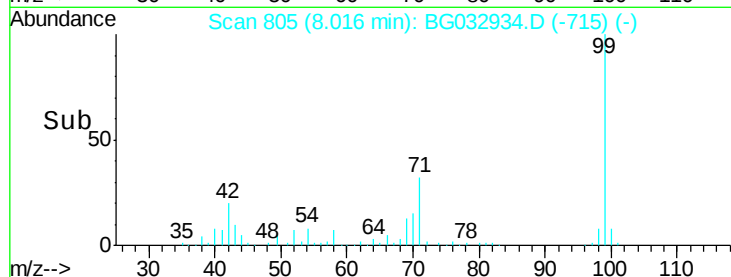
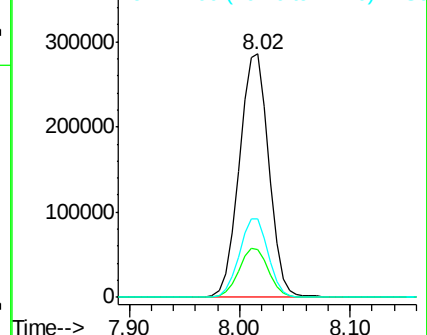
99 100

42 19.8 14.1 21.1

71 32.0 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: 10.906 ng

RT: 10.11 min Scan# 1162

Delta R.T. 0.38 min

Lab File: BG032934.D

Acq: 2 Mar 2018 1:47

Tgt Ion: 70 Resp: 38906

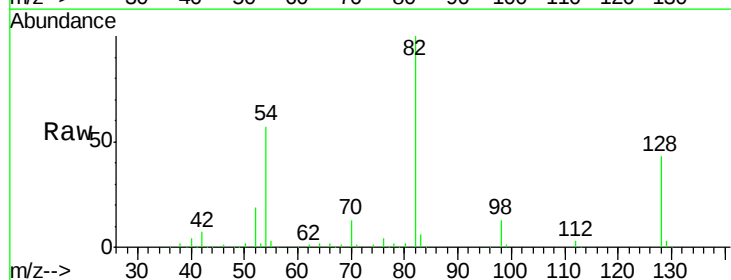
Ion Ratio Lower Upper

70 100

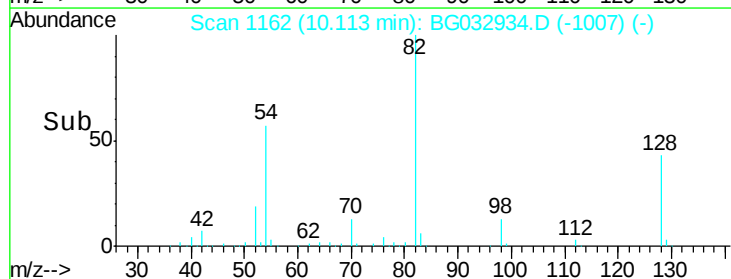
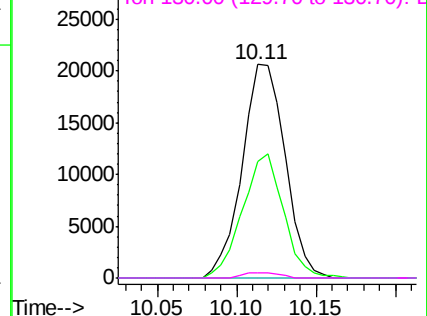
42 54.5 49.1 73.7

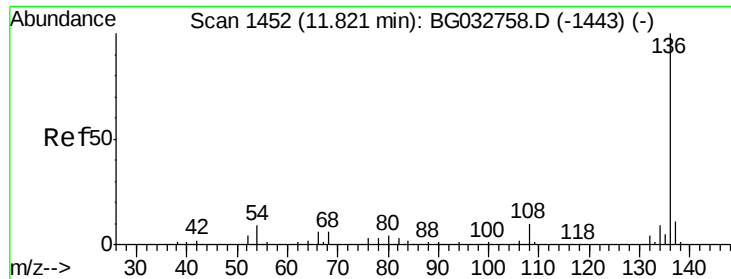
101 0.0 8.5 12.7#

130 2.5 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

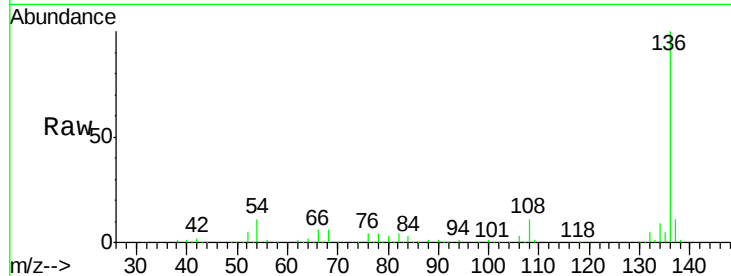




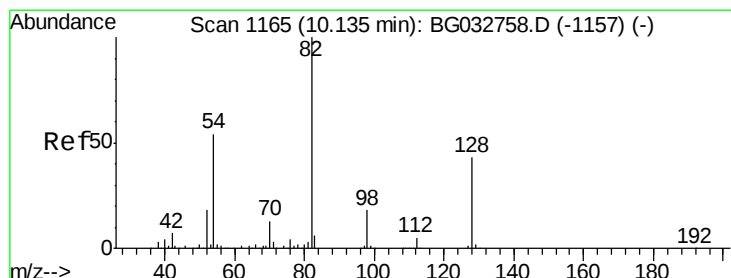
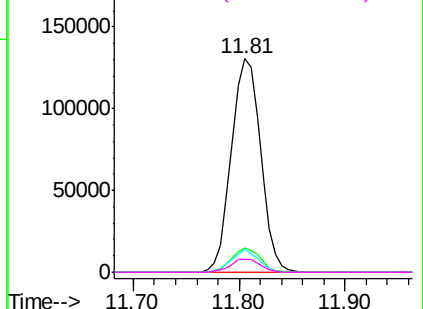
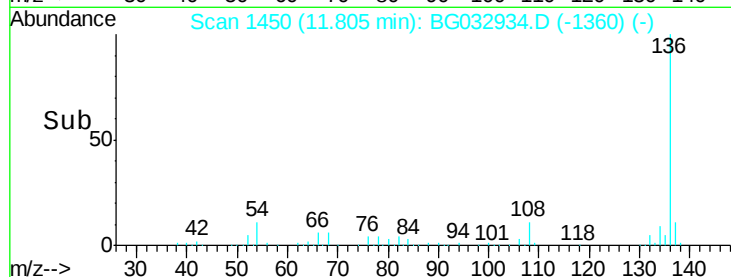
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1450
Delta R.T. 0.00 min
Lab File: BG032934.D
Acq: 2 Mar 2018 1:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	250068
Ion Ratio	Lower	Upper
136	100	
137	11.1	9.2 13.8
54	10.6	10.3 15.5
68	6.2	4.5 6.7

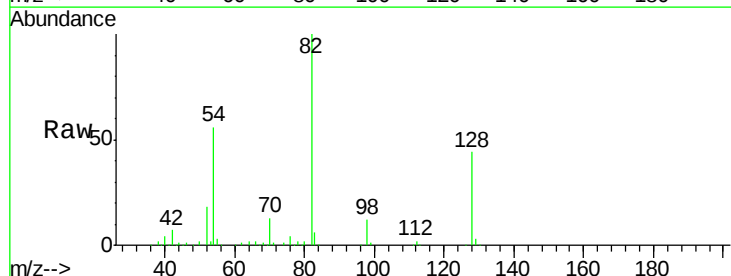


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

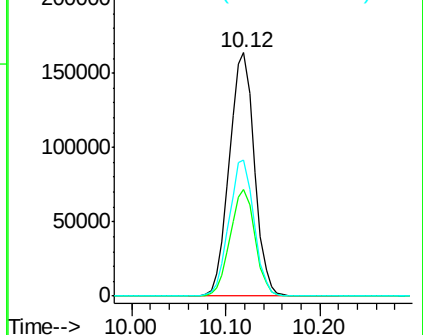
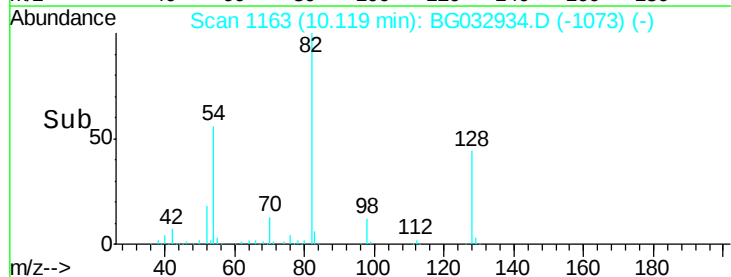


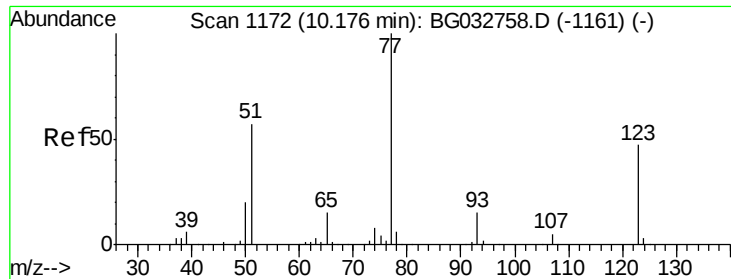
#23
Nitrobenzene-d5
Concen: 84.370 ng
RT: 10.12 min Scan# 1163
Delta R.T. 0.00 min
Lab File: BG032934.D
Acq: 2 Mar 2018 1:47

Tgt Ion: 82	Resp:	303732
Ion Ratio	Lower	Upper
82	100	
128	44.0	29.7 44.5
54	55.9	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

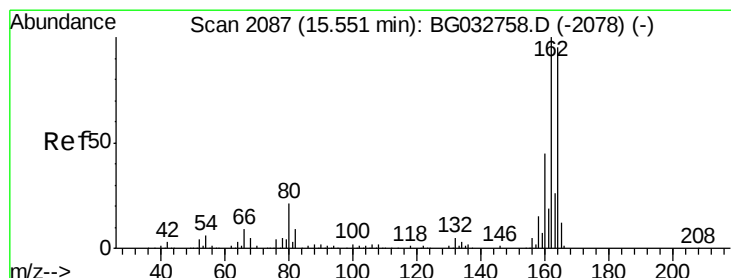
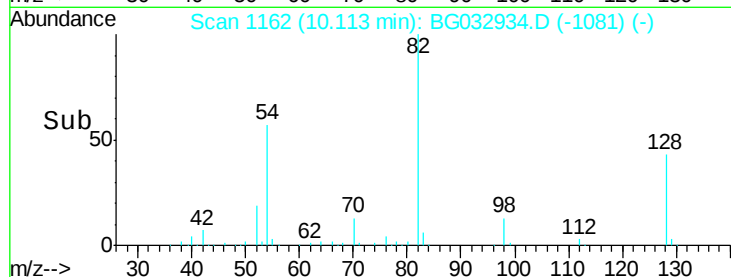
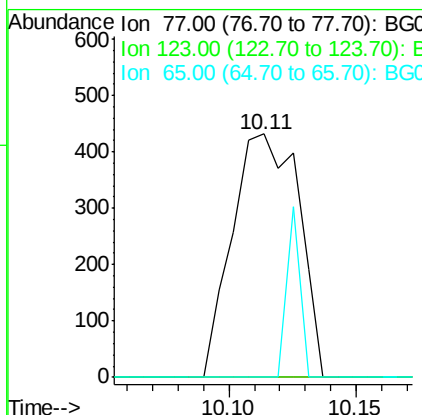
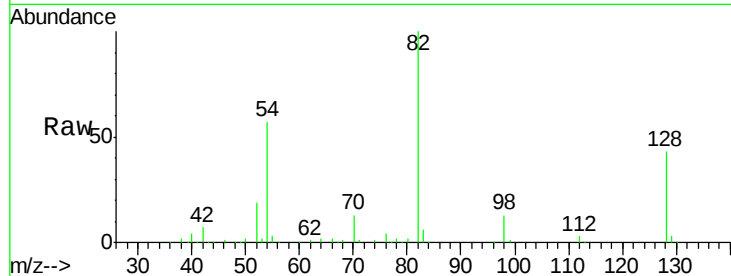




#24
 Nitrobenzene
 Concen: 6.551 ng
 RT: 10.11 min Scan# 1162
 Delta R.T. -0.05 min
 Lab File: BG032934.D
 Acq: 2 Mar 2018 1:47

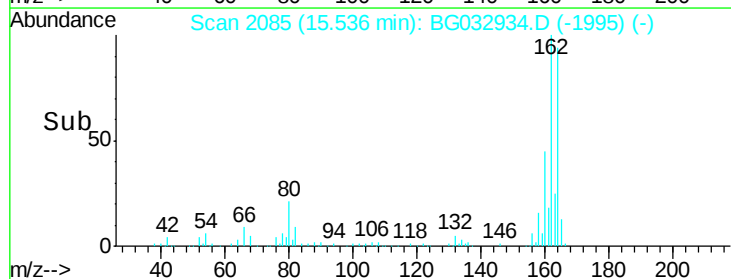
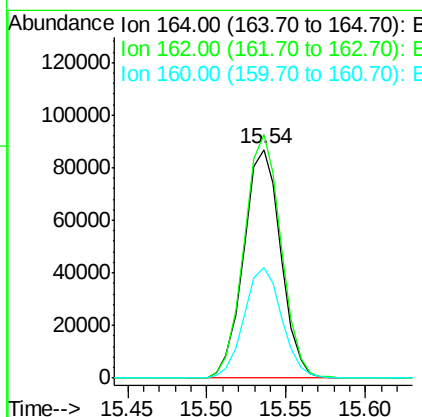
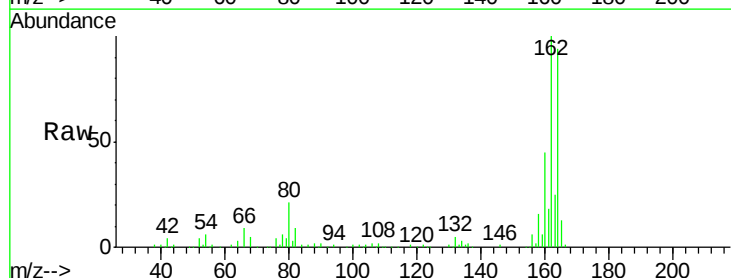
Instrument :
 BNA_G
 ClientSampleId :

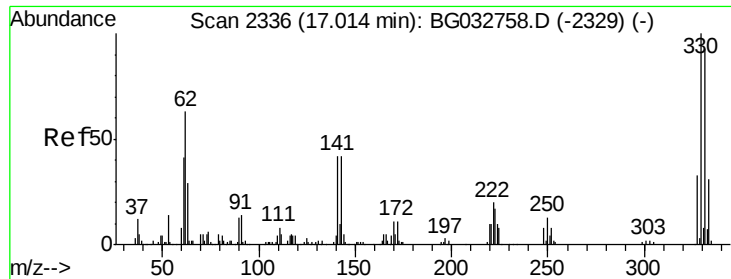
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	33.0	49.6#
65	0.0	13.0	19.6#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2085
 Delta R.T. 0.00 min
 Lab File: BG032934.D
 Acq: 2 Mar 2018 1:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.5	78.8	118.2
160	48.2	35.4	53.0

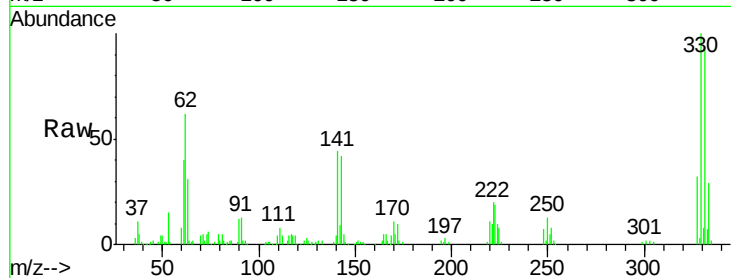




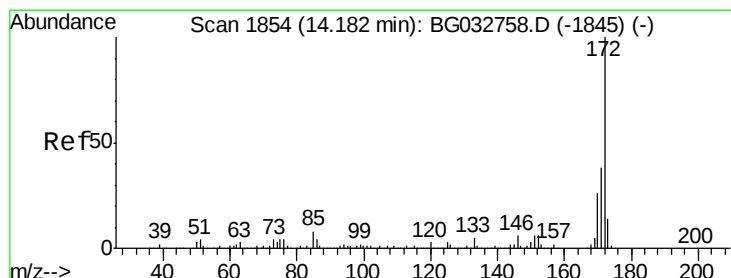
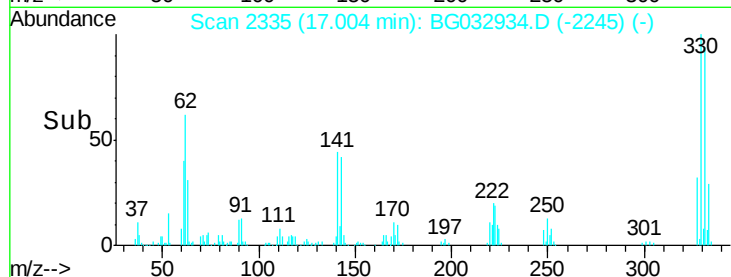
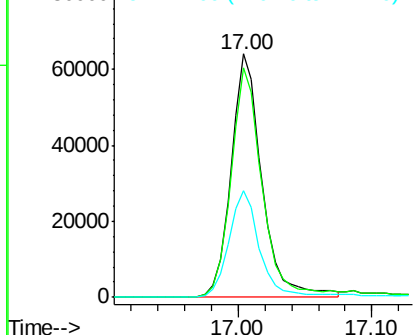
#41
 2,4,6-Tribromophenol
 Concen: 69.400 ng
 RT: 17.00 min Scan# 2335
 Delta R.T. 0.00 min
 Lab File: BG032934.D
 Acq: 2 Mar 2018 1:47

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 102893
 Ion Ratio Lower Upper
 330 100
 332 98.8 77.0 115.6
 141 44.8 25.2 37.8#

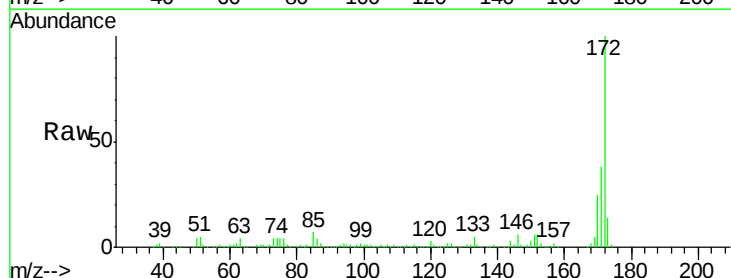


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

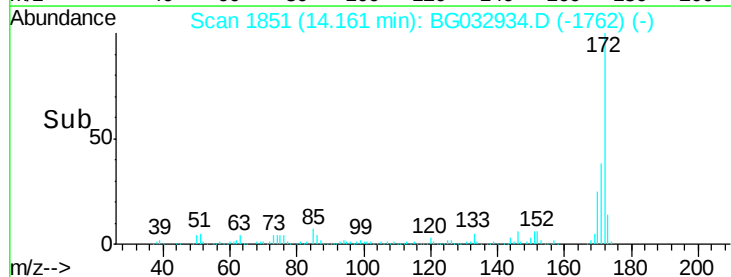
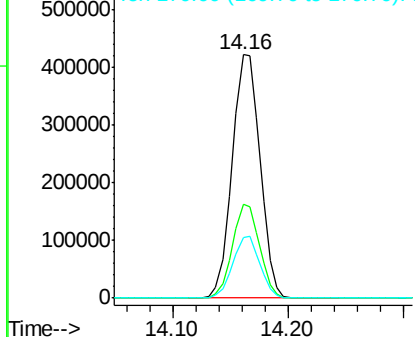


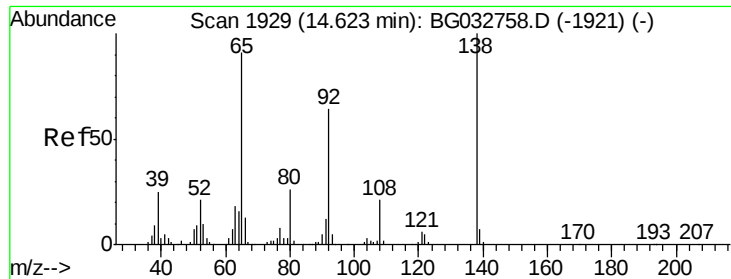
#44
 2-Fluorobiphenyl
 Concen: 72.174 ng
 RT: 14.16 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BG032934.D
 Acq: 2 Mar 2018 1:47

Tgt Ion:172 Resp: 705623
 Ion Ratio Lower Upper
 172 100
 171 38.5 30.0 45.0
 170 25.0 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

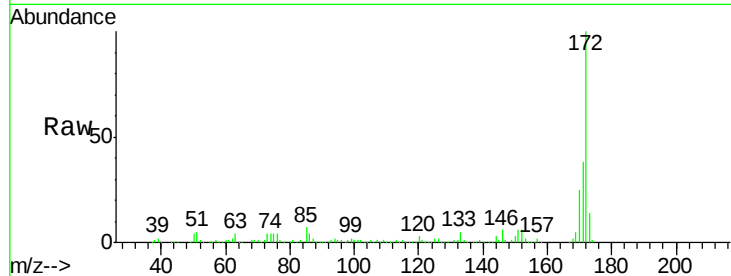




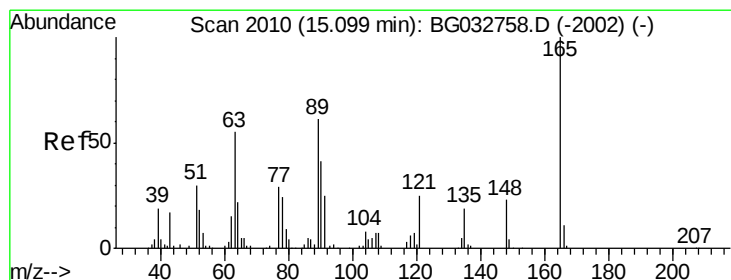
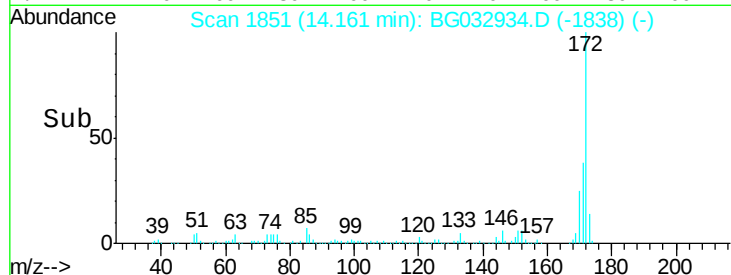
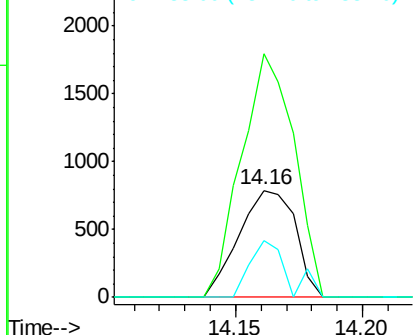
#47
2-Nitroaniline
Concen: 10.254 ng
RT: 14.16 min Scan# 1851
Delta R.T. -0.45 min
Lab File: BG032934.D
Acq: 2 Mar 2018 1:47

Instrument :
BNA_G
ClientSampled :

Tot Ion: 65 Resp: 1221
Ion Ratio Lower Upper
65 100
92 227.8 54.6 82.0#
138 52.5 72.9 109.3#

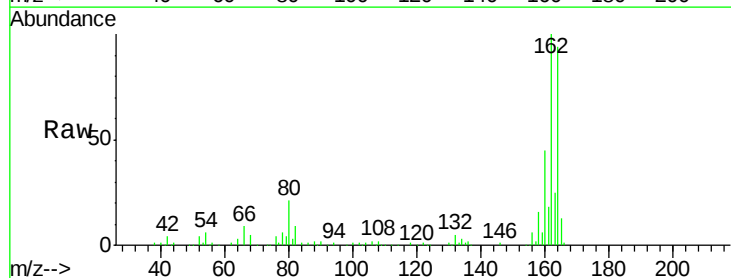


Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC

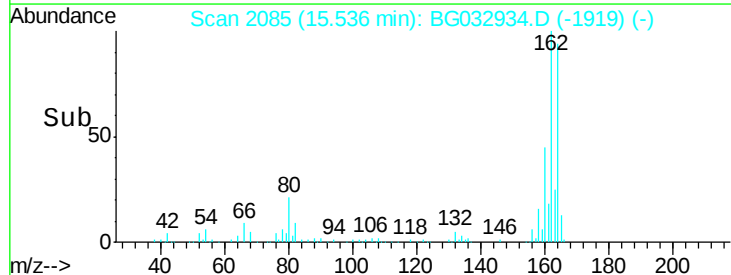
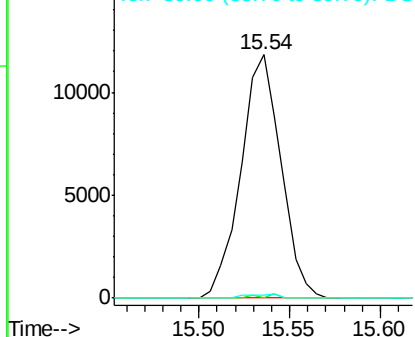


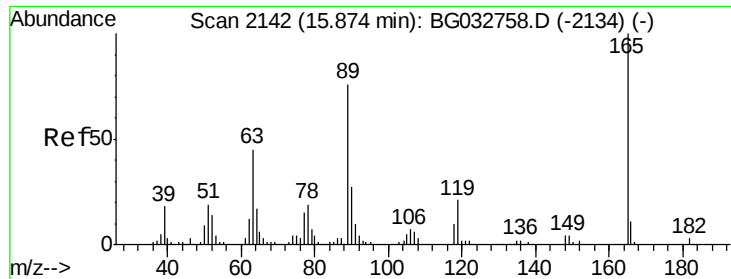
#50
2,6-Dinitrotoluene
Concen: 16.365 ng
RT: 15.54 min Scan# 2085
Delta R.T. 0.45 min
Lab File: BG032934.D
Acq: 2 Mar 2018 1:47

Tgt Ion:165 Resp: 18163
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 1.4 49.2 73.8#



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

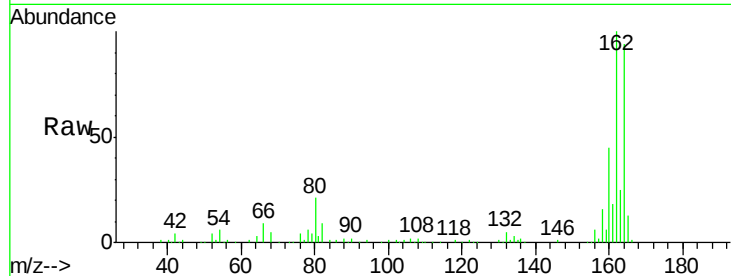




#56
 2,4-Dinitrotoluene
 Concen: 14.562 ng
 RT: 15.54 min Scan# 2085
 Delta R.T. -0.32 min
 Lab File: BG032934.D
 Acq: 2 Mar 2018 1:47

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	1.4	66.9	100.3#
182	0.0	2.6	3.8#

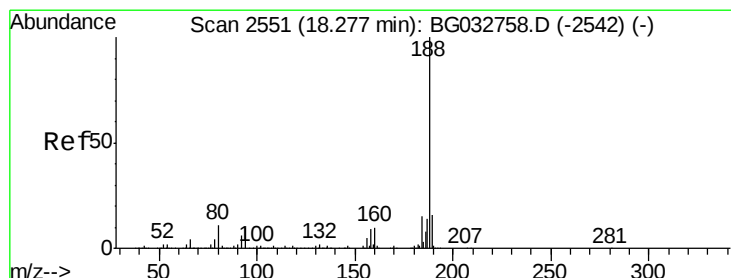
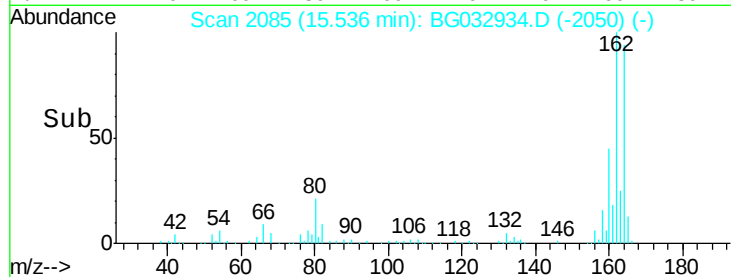
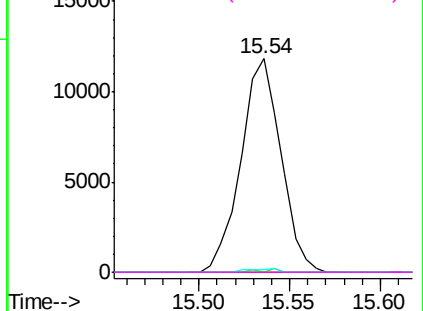


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

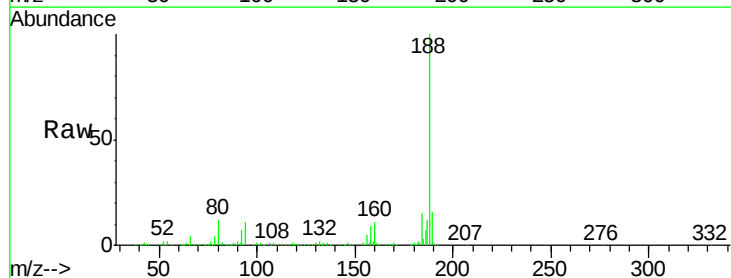
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.26 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: BG032934.D
 Acq: 2 Mar 2018 1:47

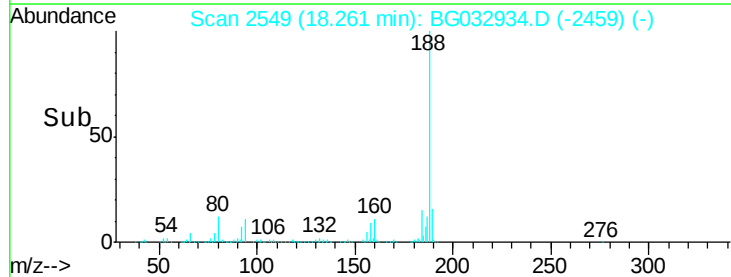
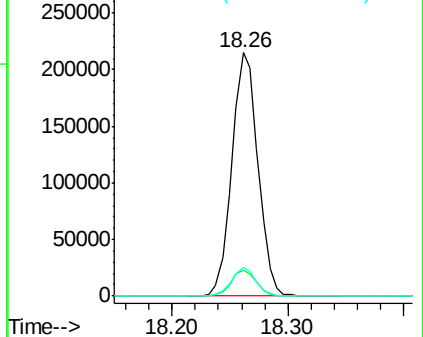
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	6.9	10.3#
80	11.6	7.7	11.5#

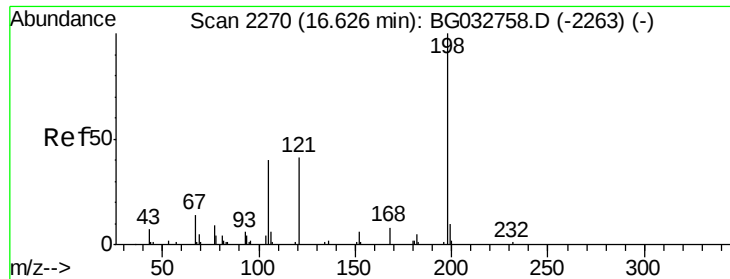


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

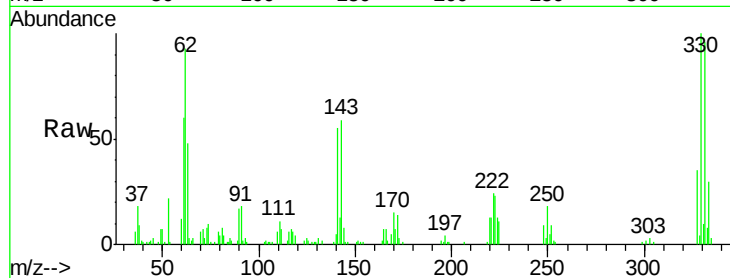




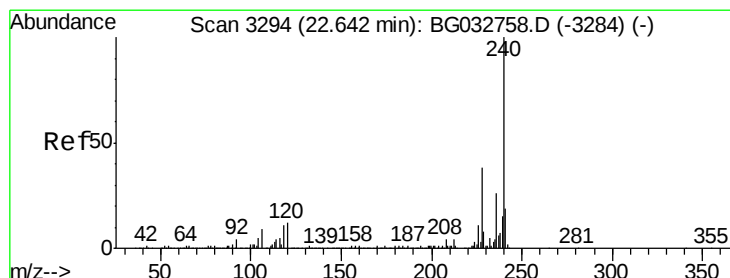
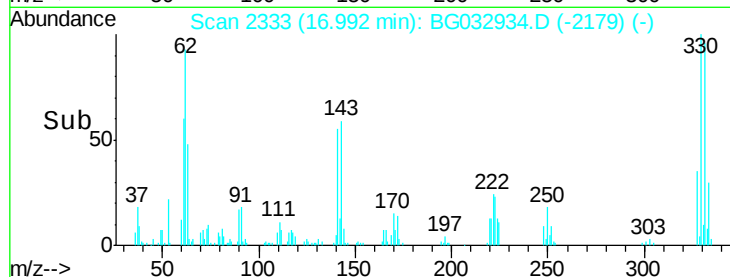
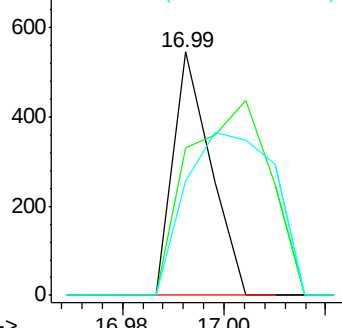
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.306 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. 0.38 min
 Lab File: BG032934.D
 Acq: 2 Mar 2018 1:47

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 282
 Ion Ratio Lower Upper
 198 100
 51 60.7 30.6 70.6
 105 47.0 23.8 63.8

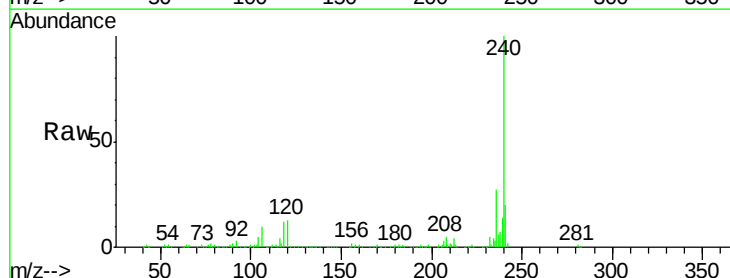


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

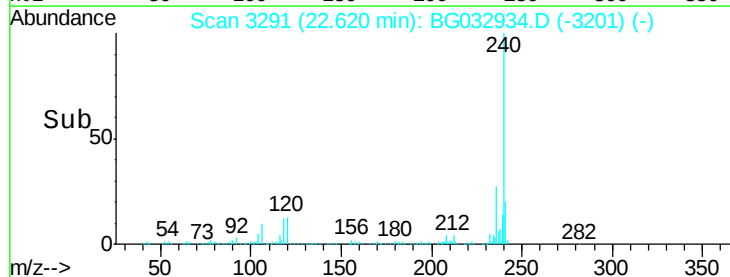
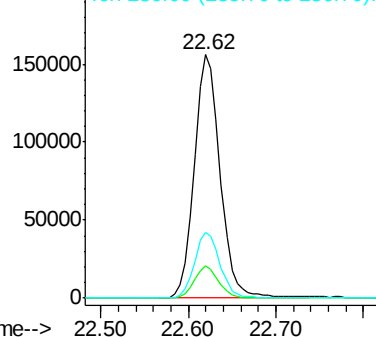


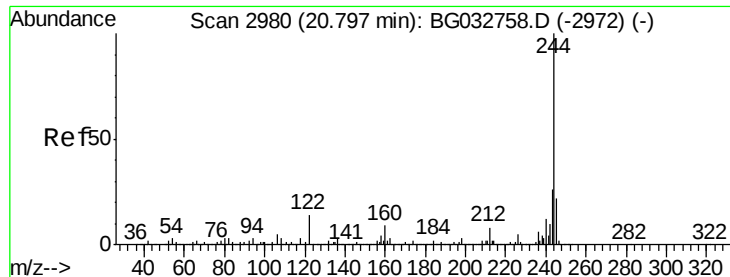
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.62 min Scan# 3291
 Delta R.T. 0.00 min
 Lab File: BG032934.D
 Acq: 2 Mar 2018 1:47

Tgt Ion:240 Resp: 316389
 Ion Ratio Lower Upper
 240 100
 120 13.5 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





#78

Terphenyl-d14

Concen: 76.671 ng

RT: 20.78 min Scan# 2978

Delta R.T. 0.01 min

Lab File: BG032934.D

Acq: 2 Mar 2018 1:47

Instrument :

BNA_G

ClientSampled :

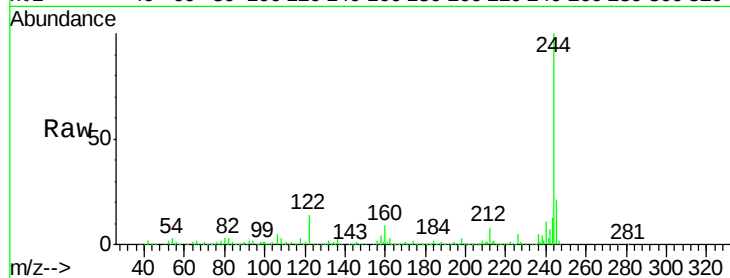
Tot Ion:244 Resp: 1079704

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

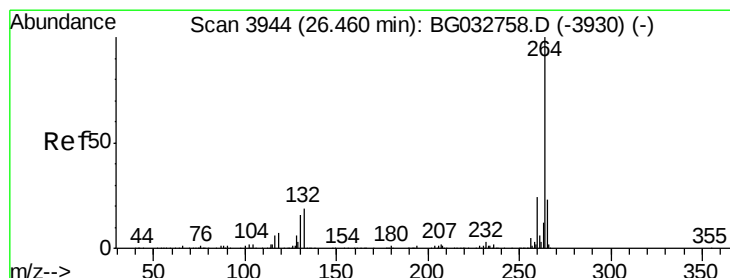
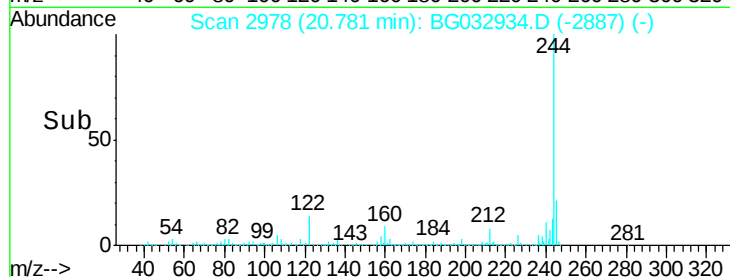
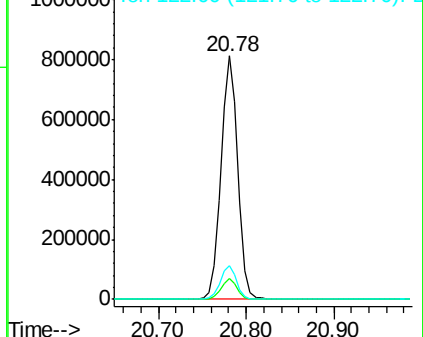
122 13.6 7.0 10.4#



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: 26.44 min Scan# 3941

Delta R.T. 0.01 min

Lab File: BG032934.D

Acq: 2 Mar 2018 1:47

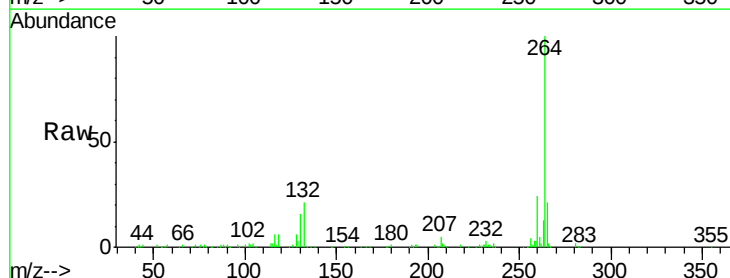
Tgt Ion:264 Resp: 304903

Ion Ratio Lower Upper

264 100

260 24.1 17.4 26.0

265 20.9 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

