

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022618\
 Data File : BG032841.D
 Acq On : 27 Feb 2018 3:49
 Operator : SJ/JU
 Sample : J1691-28
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 27 05:59:40 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 26 17:50:45 2018
 Response via : Initial Calibration

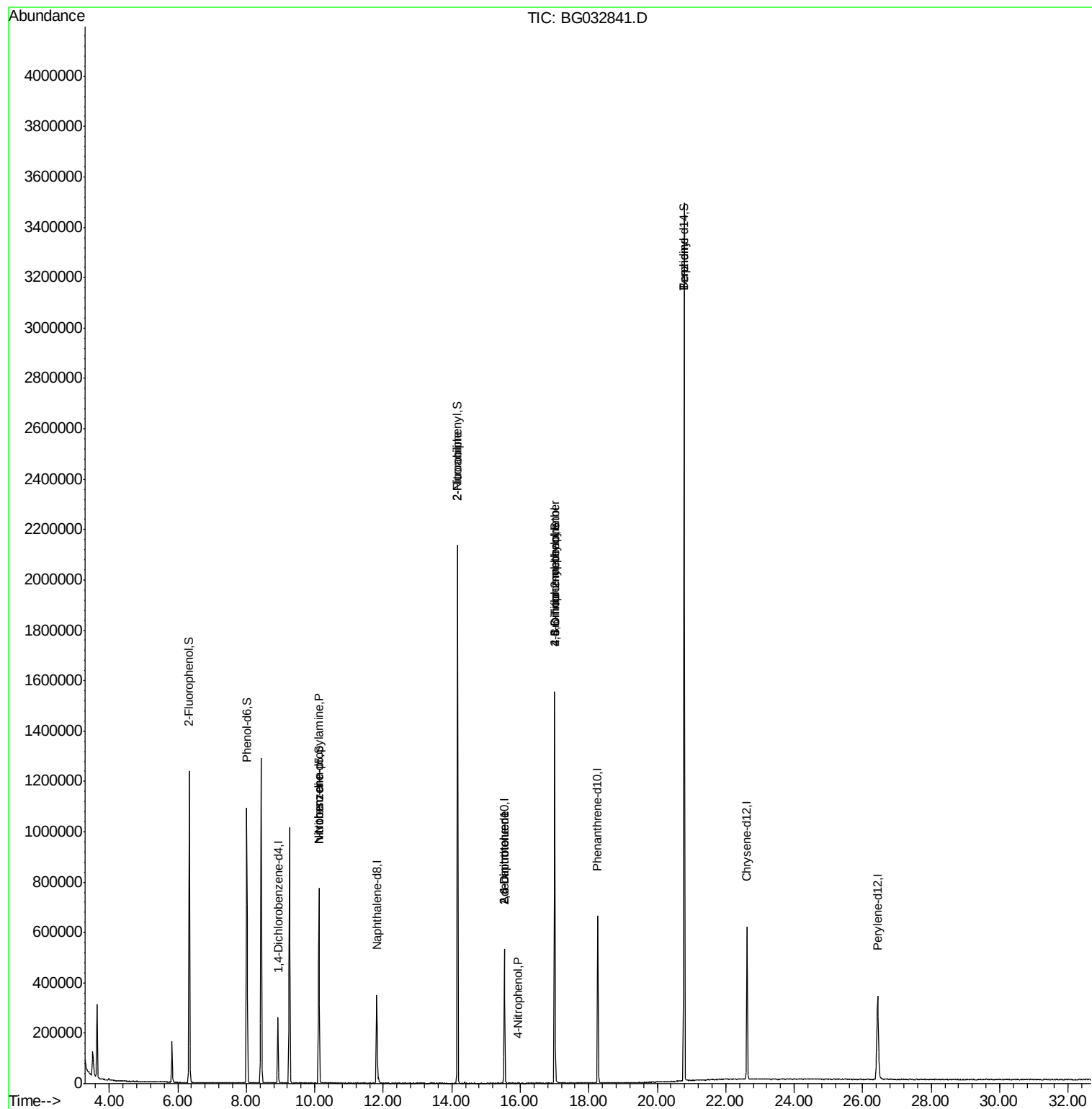
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	76749	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	330647	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	180477	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	417522	20.00	ng	0.00
75) Chrysene-d12	22.62	240	389416	20.00	ng	-0.01
86) Perylene-d12	26.43	264	406417	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.34	112	588036	122.58	ng	0.00
7) Phenol-d6	8.02	99	700700	104.79	ng	0.00
23) Nitrobenzene-d5	10.12	82	492032	101.14	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	269921	142.24	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1098020	87.75	ng	0.00
78) Terphenyl-d14	20.78	244	1598460	92.22	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.12	70	62934	13.33	ng	# 82
24) Nitrobenzene	10.13	77	1544	6.63	ng	# 40
47) 2-Nitroaniline	14.17	65	1763	10.31	ng	# 8
50) 2,6-Dinitrotoluene	15.54	165	23918	16.58	ng	# 21
55) 4-Nitrophenol	15.92	139	429	7.24	ng	# 1
56) 2,4-Dinitrotoluene	15.54	165	23918	14.78	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.00	198	506	5.46	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	19626	4.45	ng	# 1
76) Benzidine	20.78	184	27161	2.05	ng	# 93

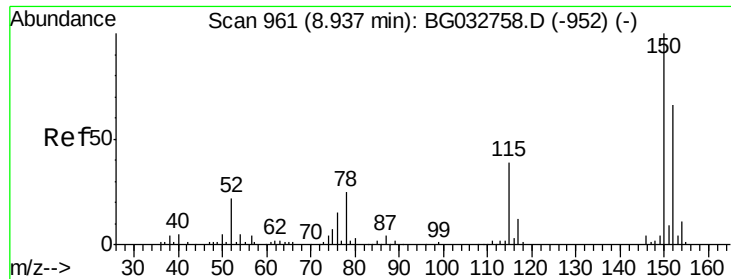
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 26 17:50:45 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.92 min Scan# 959

Delta R.T. -0.01 min

Lab File: BG032841.D

Acq: 27 Feb 2018 3:49

Instrument :

BNA_F

ClientSampleId :

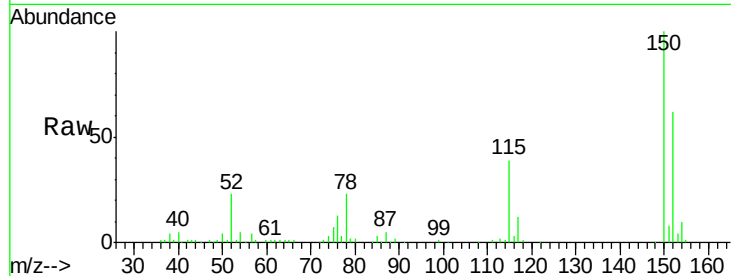
Tot Ion:152 Resp: 76749

Ion Ratio Lower Upper

152 100

150 161.0 126.6 189.8

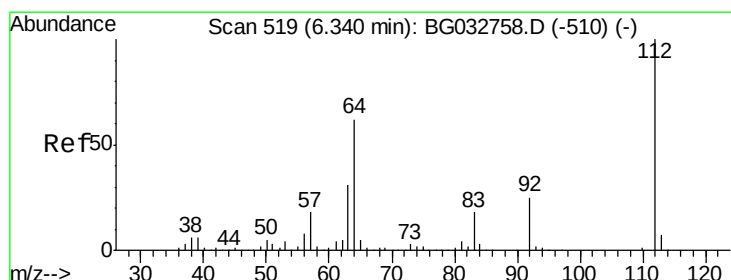
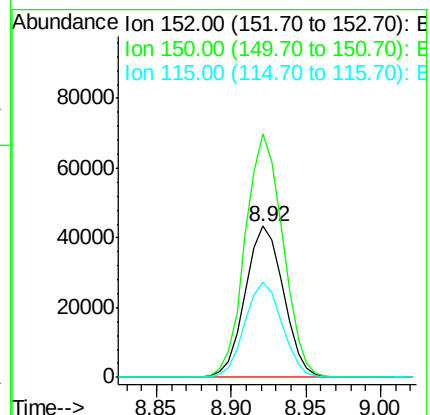
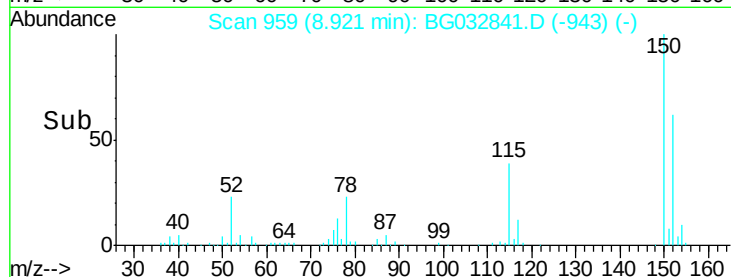
115 62.5 53.0 79.4



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: 122.58 ng

RT: 6.34 min Scan# 519

Delta R.T. 0.00 min

Lab File: BG032841.D

Acq: 27 Feb 2018 3:49

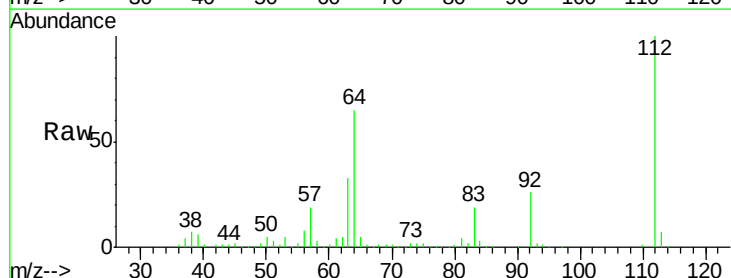
Tgt Ion:112 Resp: 588036

Ion Ratio Lower Upper

112 100

64 64.8 56.3 84.5

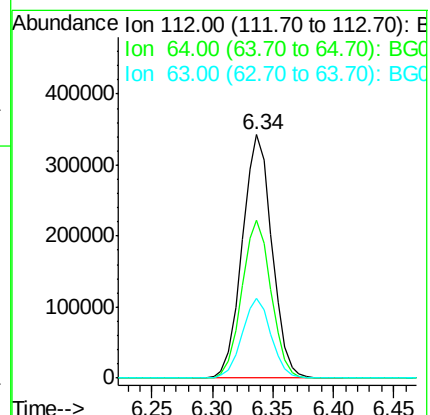
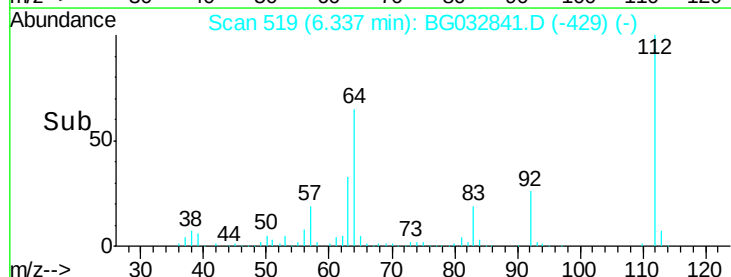
63 32.5 30.1 45.1

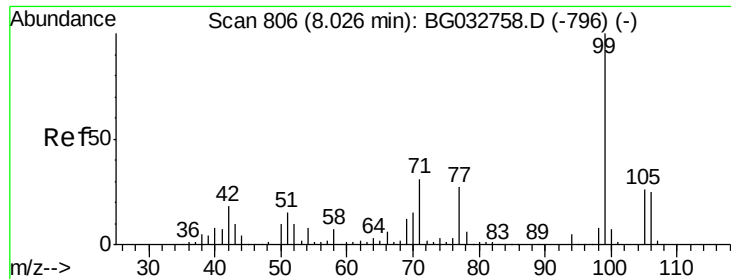


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 104.79 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG032841.D

Acq: 27 Feb 2018 3:49

Instrument :

BNA_F

ClientSampled :

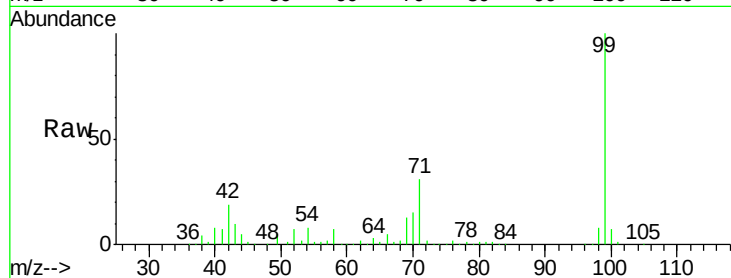
Tot Ion: 99 Resp: 700700

Ion Ratio Lower Upper

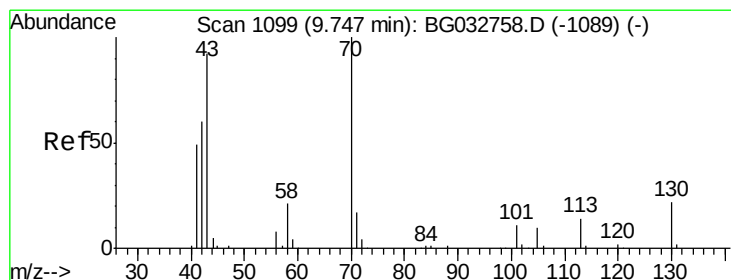
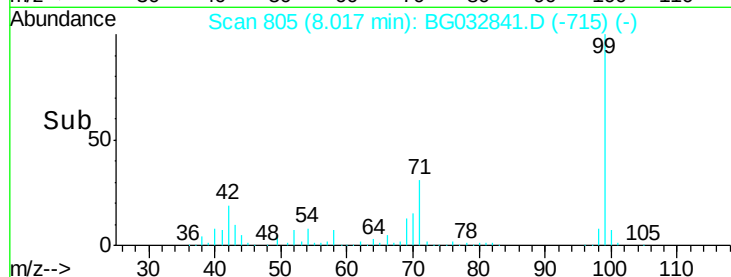
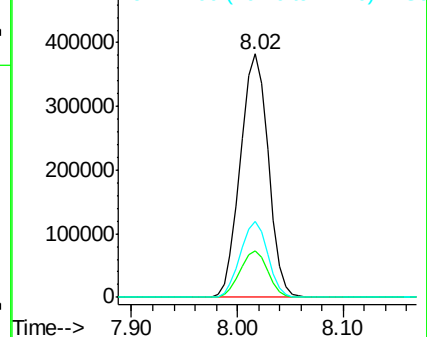
99 100

42 19.2 14.1 21.1

71 31.3 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: 13.33 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.38 min

Lab File: BG032841.D

Acq: 27 Feb 2018 3:49

Tgt Ion: 70 Resp: 62934

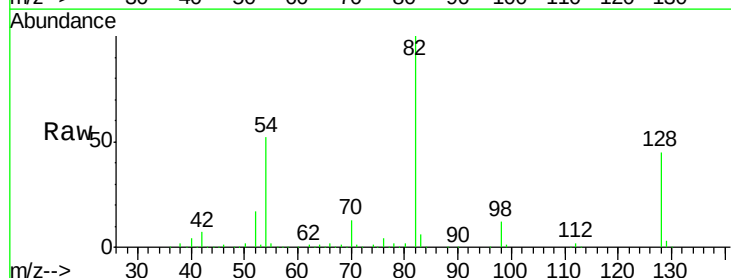
Ion Ratio Lower Upper

70 100

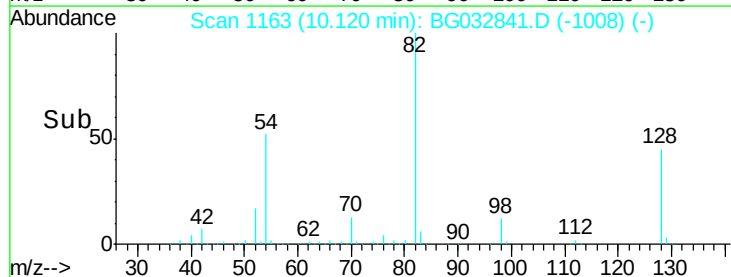
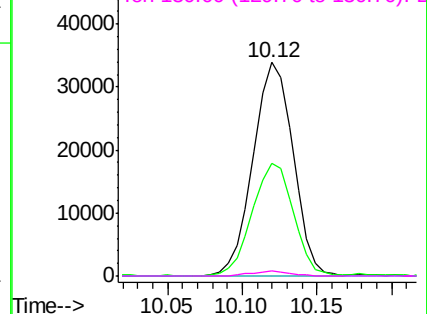
42 52.7 49.1 73.7

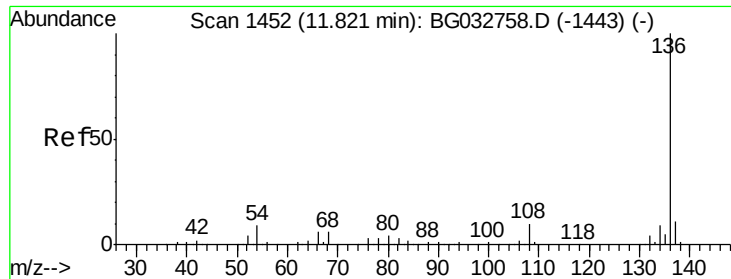
101 0.0 8.5 12.7#

130 2.4 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

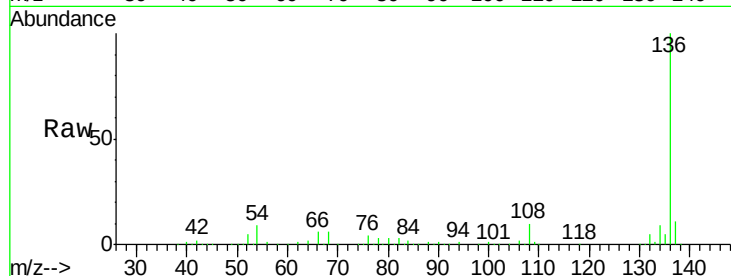




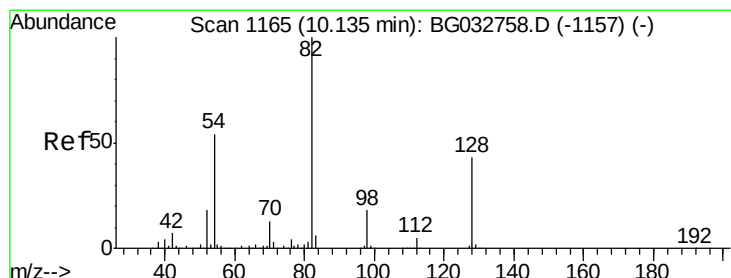
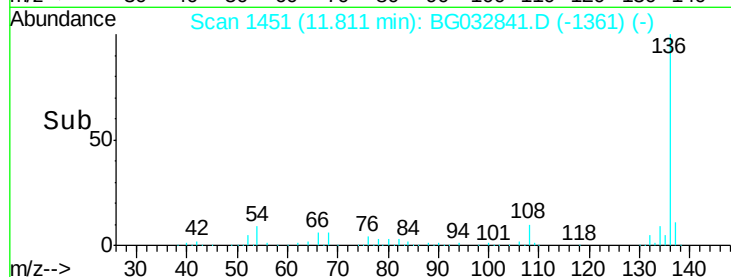
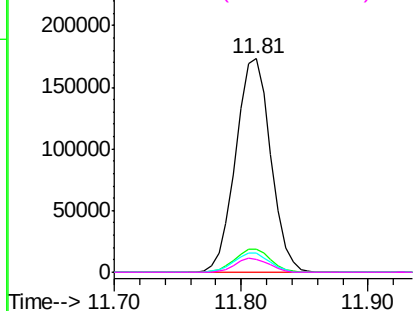
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.81 min Scan# 1451
Delta R.T. 0.00 min
Lab File: BG032841.D
Acq: 27 Feb 2018 3:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	330647
Ion Ratio	Lower	Upper
136	100	
137	11.1	9.2 13.8
54	9.0	10.3 15.5#
68	6.0	4.5 6.7

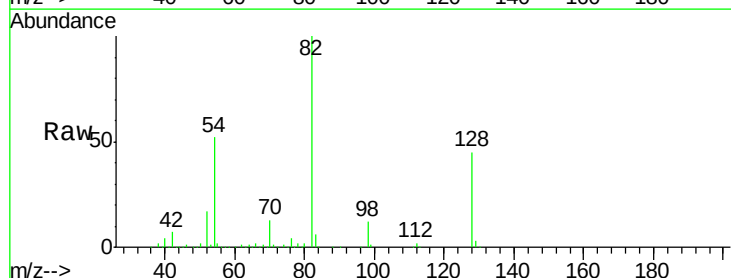


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

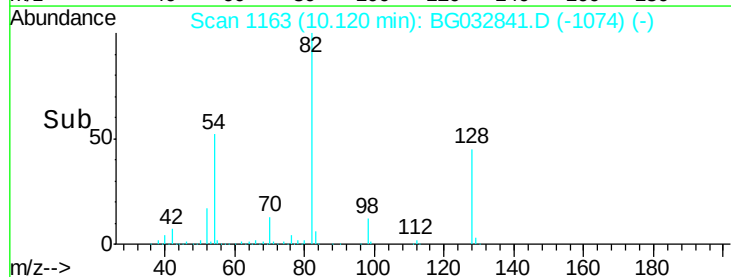
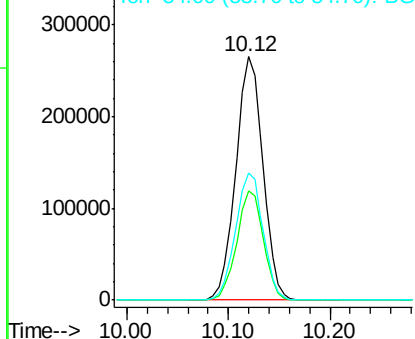


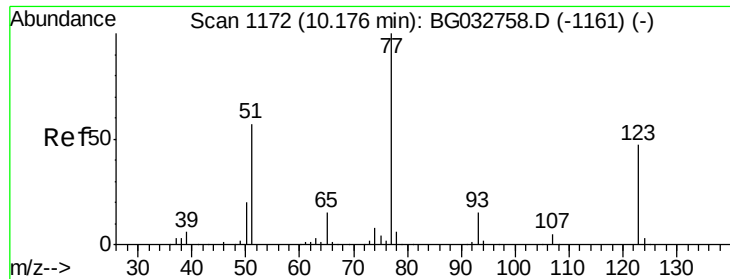
#23
Nitrobenzene-d5
Concen: 101.14 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BG032841.D
Acq: 27 Feb 2018 3:49

Tgt Ion: 82	Resp:	492032
Ion Ratio	Lower	Upper
82	100	
128	44.8	29.7 44.5#
54	52.3	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

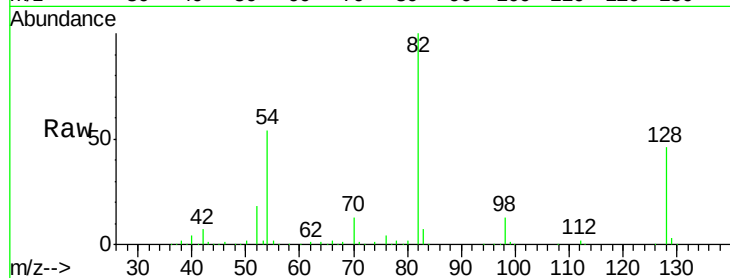




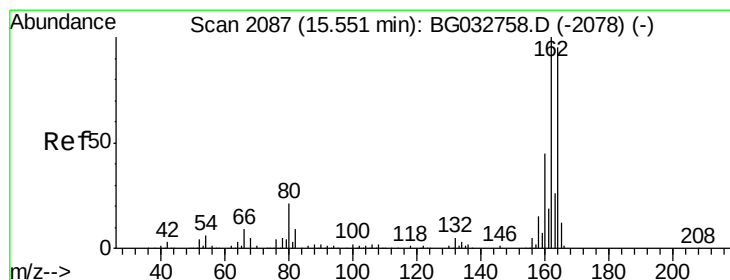
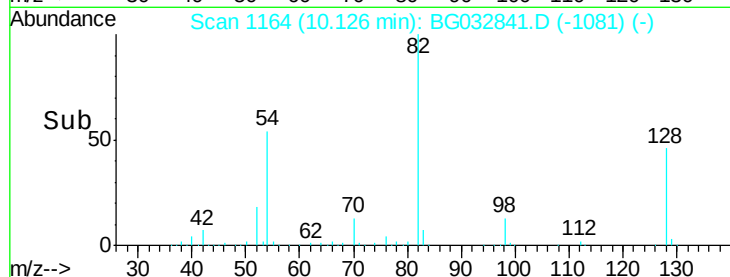
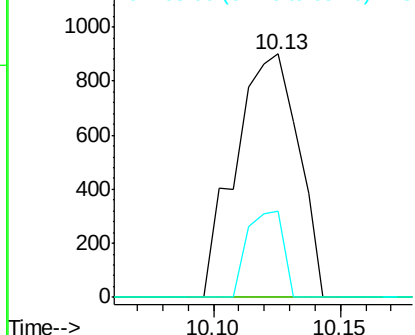
#24
Nitrobenzene
Concen: 6.63 ng
RT: 10.13 min Scan# 1164
Delta R.T. -0.04 min
Lab File: BG032841.D
Acq: 27 Feb 2018 3:49

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	33.0	49.6#
65	35.2	13.0	19.6#

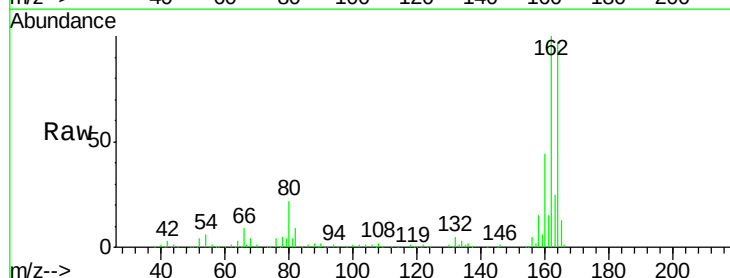


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

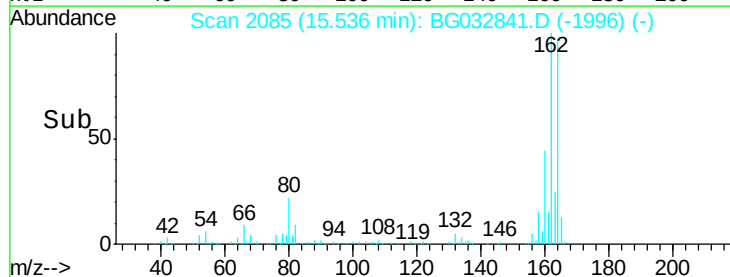
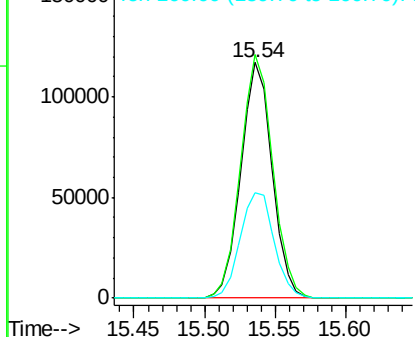


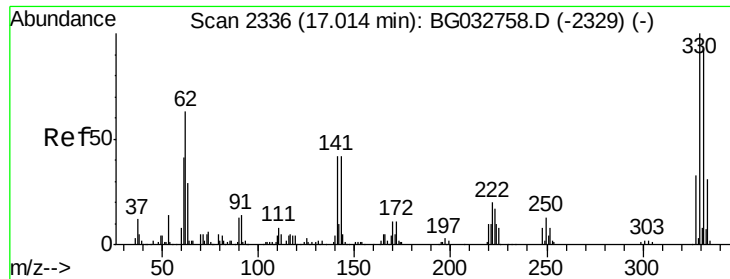
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.54 min Scan# 2085
Delta R.T. -0.01 min
Lab File: BG032841.D
Acq: 27 Feb 2018 3:49

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	78.8	118.2
160	45.0	35.4	53.0



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

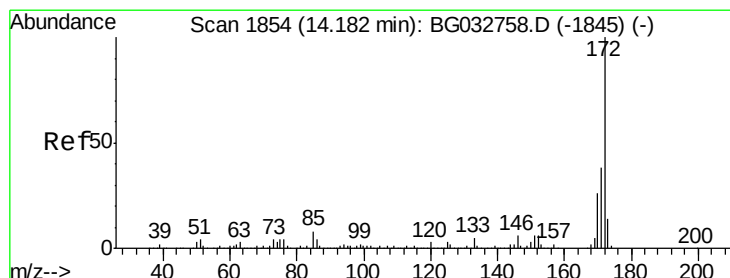
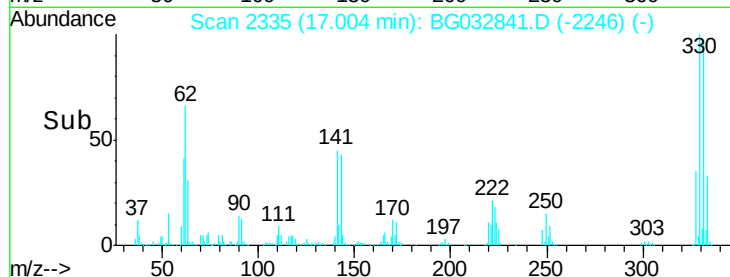
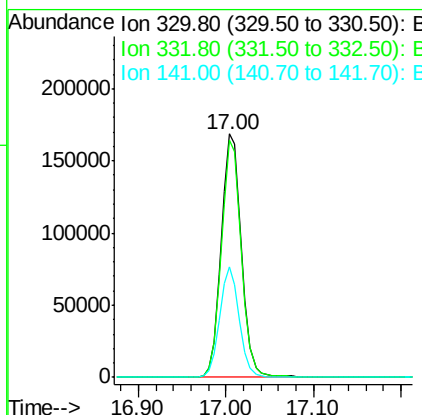
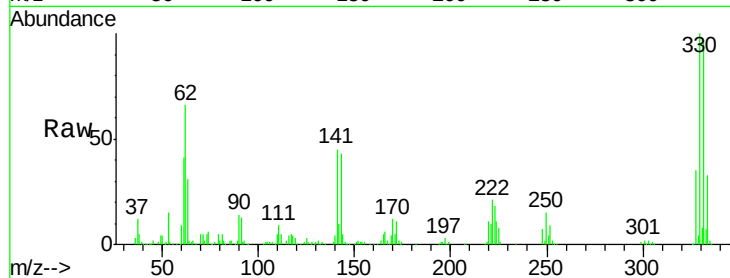




#41
 2,4,6-Tribromophenol
 Concen: 142.24 ng
 RT: 17.00 min Scan# 2335
 Delta R.T. -0.01 min
 Lab File: BG032841.D
 Acq: 27 Feb 2018 3:49

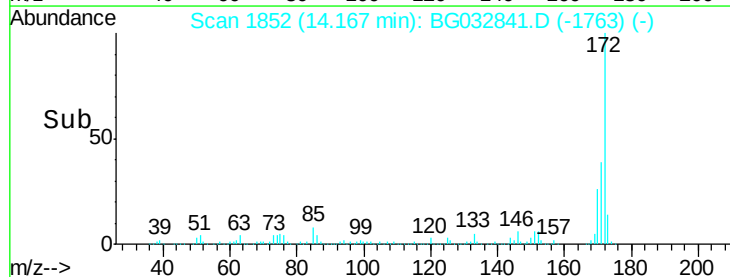
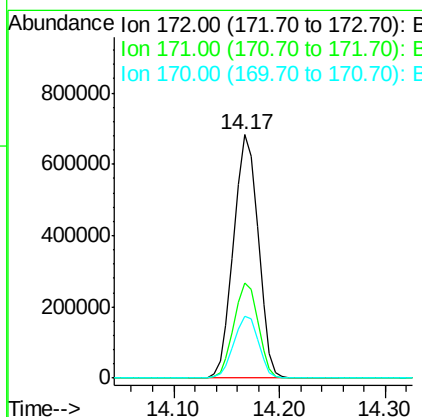
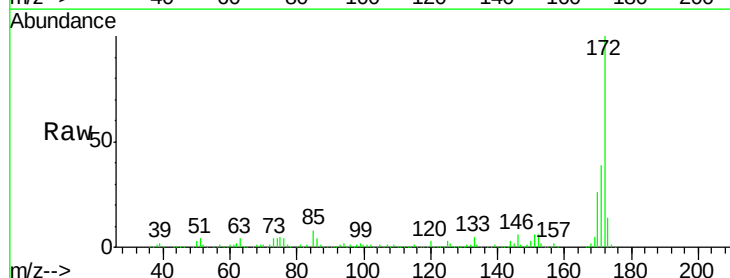
Instrument :
 BNA_F
 ClientSampleId :

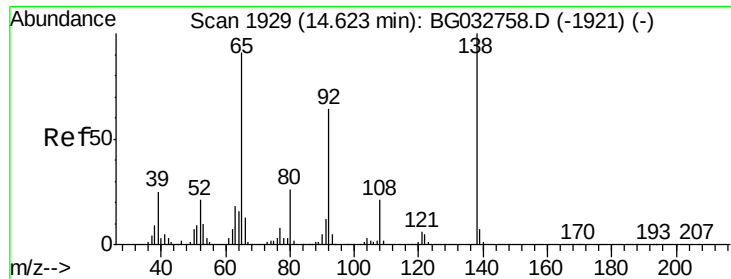
Tot Ion:330 Resp: 269921
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.0 115.6
 141 43.7 25.2 37.8#



#44
 2-Fluorobiphenyl
 Concen: 87.75 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BG032841.D
 Acq: 27 Feb 2018 3:49

Tgt Ion:172 Resp: 1098020
 Ion Ratio Lower Upper
 172 100
 171 39.0 30.0 45.0
 170 25.6 19.5 29.3

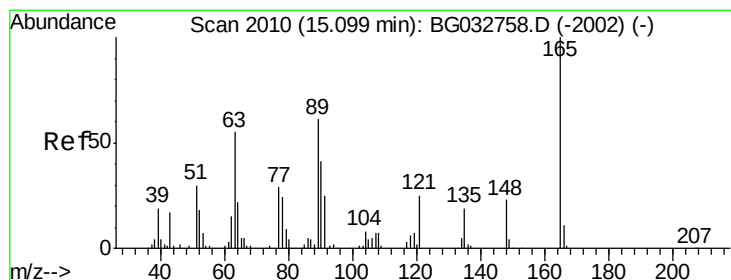
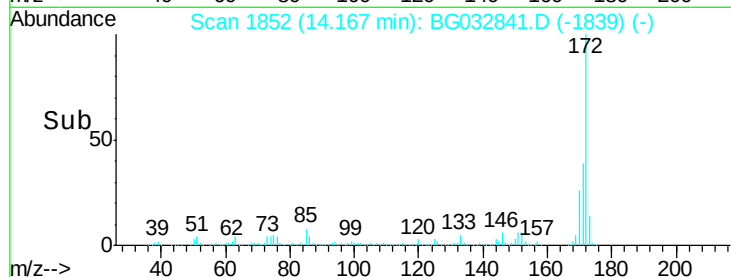
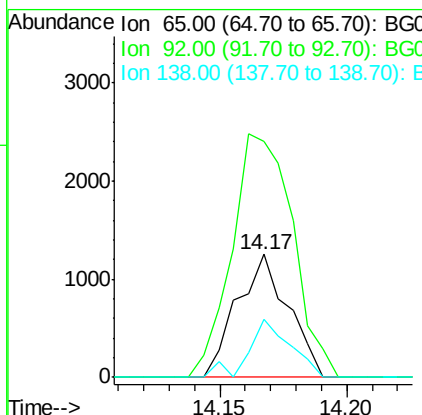
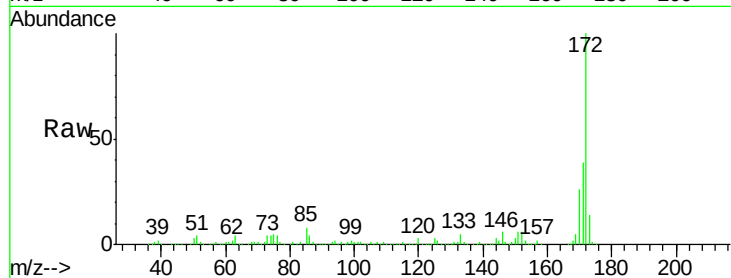




#47
 2-Nitroaniline
 Concen: 10.31 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. -0.45 min
 Lab File: BG032841.D
 Acq: 27 Feb 2018 3:49

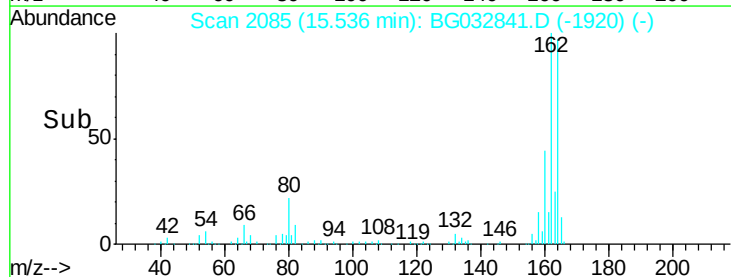
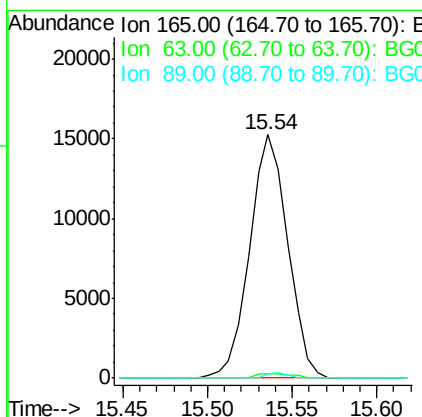
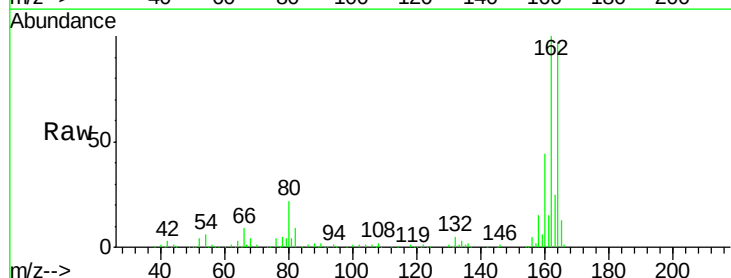
Instrument :
 BNA_F
 ClientSampleID :

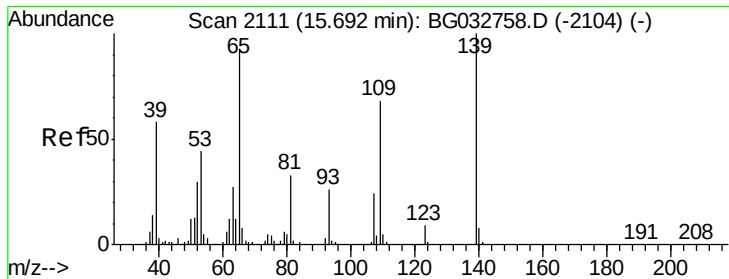
Tot Ion: 65 Resp: 1763
 Ion Ratio Lower Upper
 65 100
 92 192.0 54.6 82.0#
 138 47.3 72.9 109.3#



#50
 2,6-Dinitrotoluene
 Concen: 16.58 ng
 RT: 15.54 min Scan# 2085
 Delta R.T. 0.44 min
 Lab File: BG032841.D
 Acq: 27 Feb 2018 3:49

Tgt Ion:165 Resp: 23918
 Ion Ratio Lower Upper
 165 100
 63 1.8 52.7 79.1#
 89 1.7 49.2 73.8#

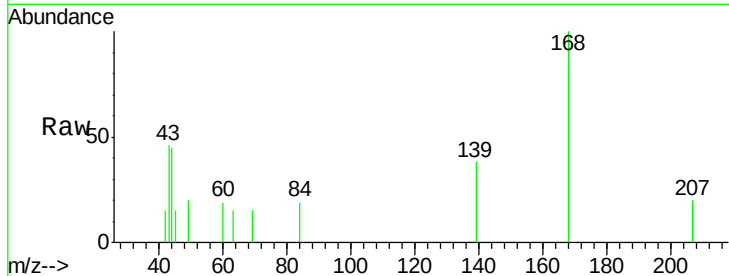




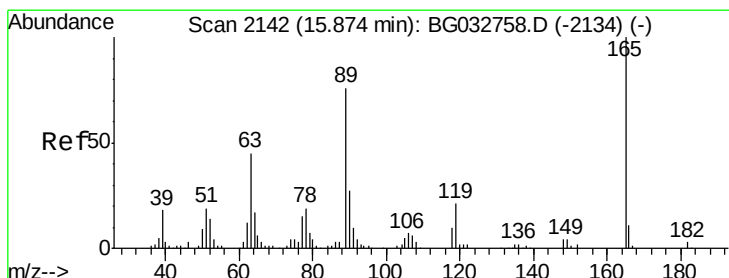
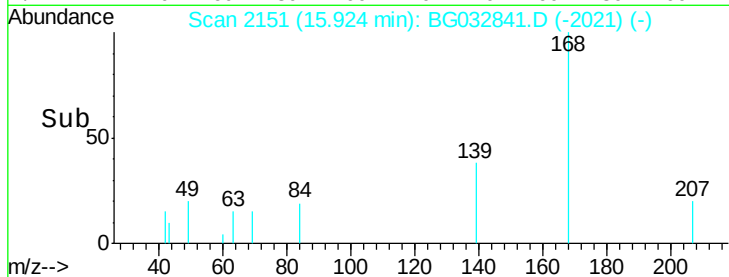
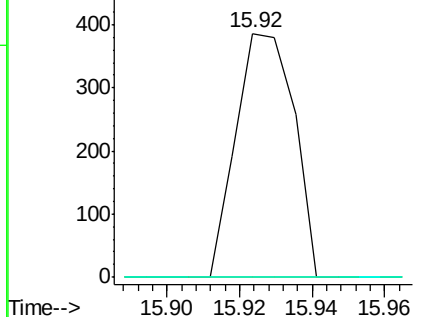
#55
4-Nitrophenol
Concen: 7.24 ng
RT: 15.92 min Scan# 2151
Delta R.T. 0.24 min
Lab File: BG032841.D
Acq: 27 Feb 2018 3:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 429
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#

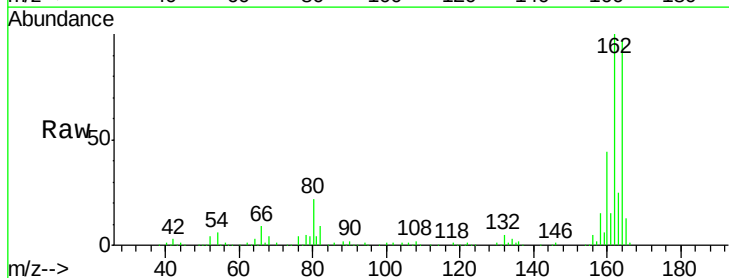


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

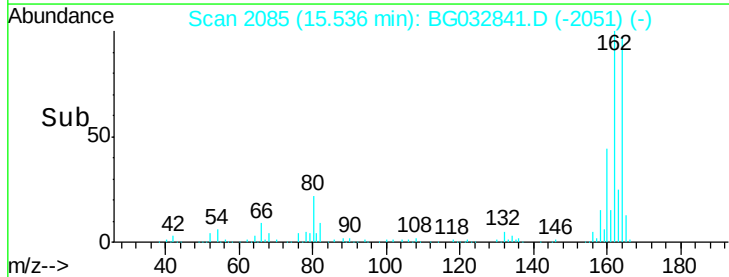
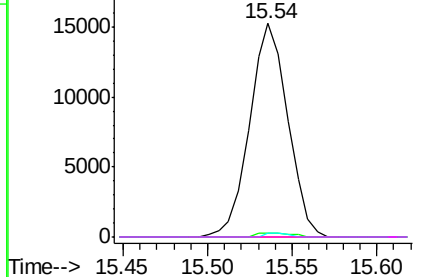


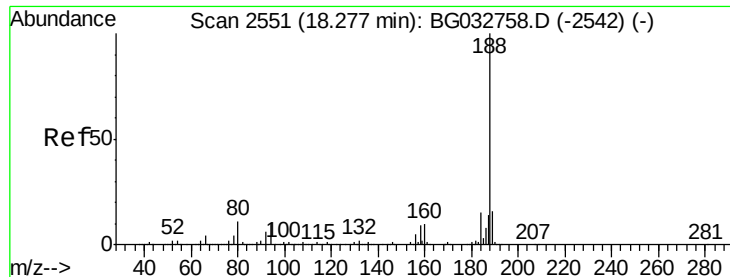
#56
2,4-Dinitrotoluene
Concen: 14.78 ng
RT: 15.54 min Scan# 2085
Delta R.T. -0.33 min
Lab File: BG032841.D
Acq: 27 Feb 2018 3:49

Tgt Ion:165 Resp: 23918
Ion Ratio Lower Upper
165 100
63 1.8 42.0 63.0#
89 1.7 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: 20.00 ng

RT: 18.26 min Scan# 2549

Delta R.T. -0.01 min

Lab File: BG032841.D

Acq: 27 Feb 2018 3:49

Instrument :

BNA_F

ClientSampleId :

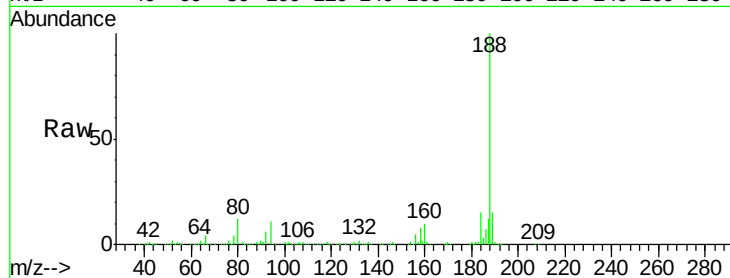
Tot Ion:188 Resp: 417522

Ion Ratio Lower Upper

188 100

94 10.6 6.9 10.3#

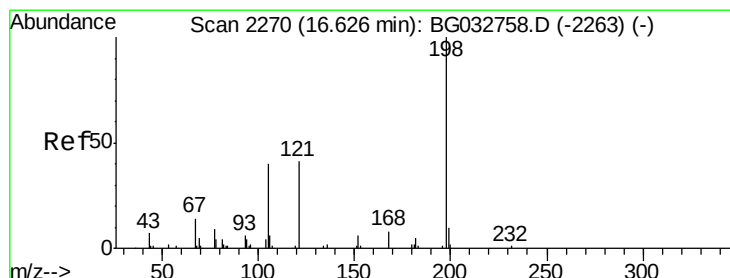
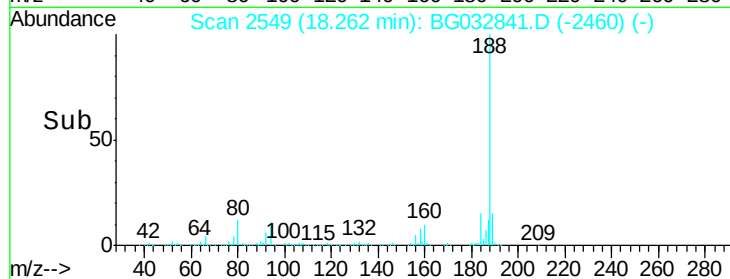
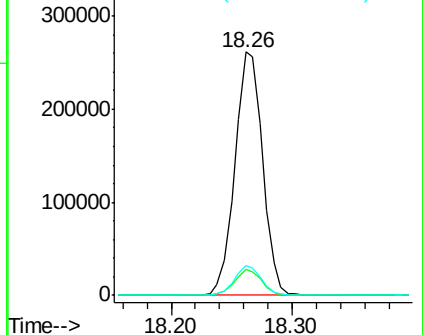
80 12.1 7.7 11.5#



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: 5.46 ng

RT: 17.00 min Scan# 2335

Delta R.T. 0.38 min

Lab File: BG032841.D

Acq: 27 Feb 2018 3:49

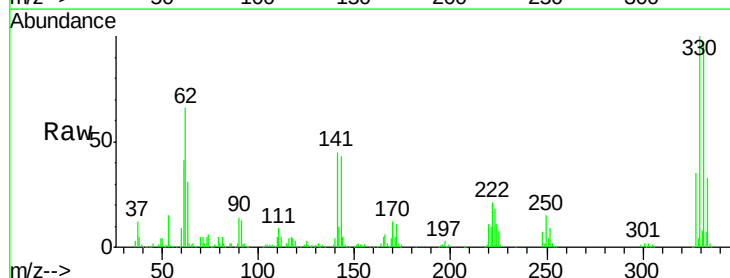
Tgt Ion:198 Resp: 506

Ion Ratio Lower Upper

198 100

51 106.6 30.6 70.6#

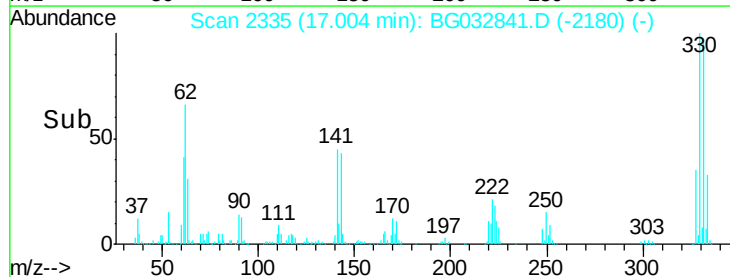
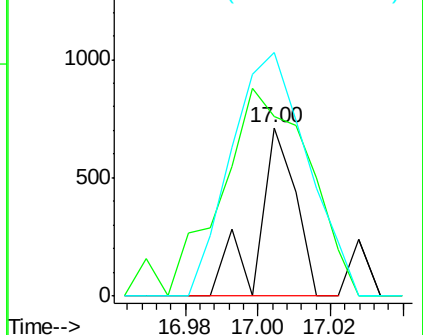
105 144.5 23.8 63.8#

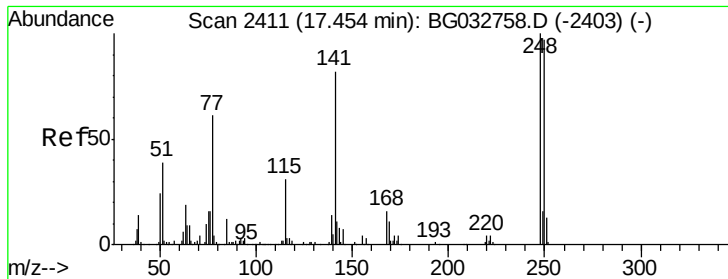


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

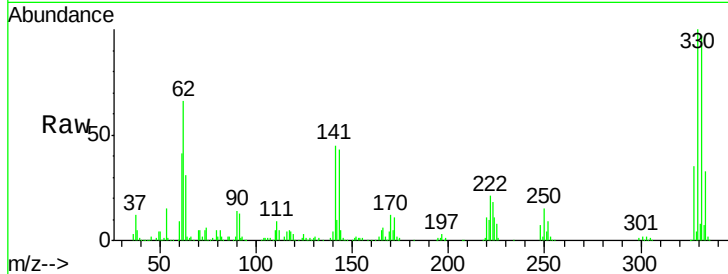




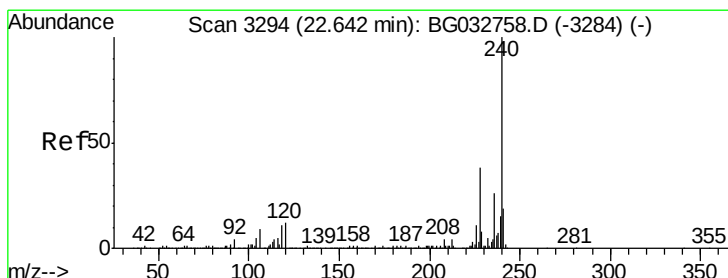
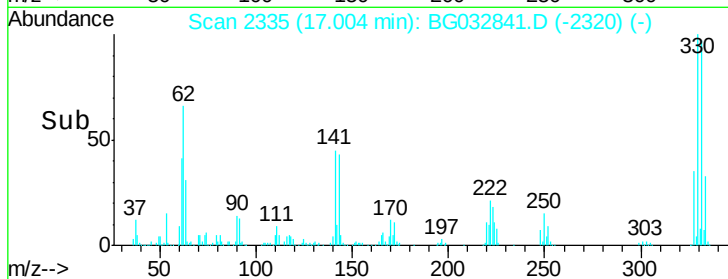
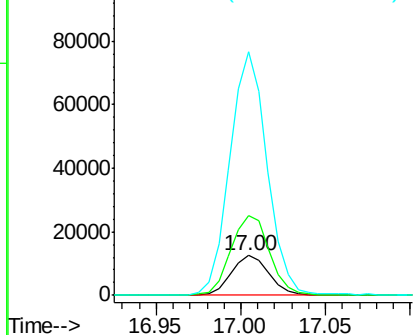
#66
 4-Bromophenyl-phenylether
 Concen: 4.45 ng
 RT: 17.00 min Scan# 2335
 Delta R.T. -0.44 min
 Lab File: BG032841.D
 Acq: 27 Feb 2018 3:49

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 19626
 Ion Ratio Lower Upper
 248 100
 250 201.9 77.1 115.7#
 141 613.0 50.8 76.2#

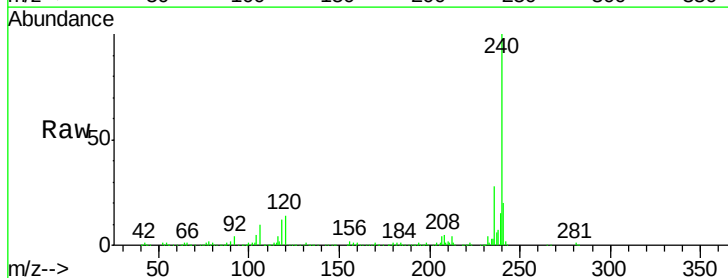


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

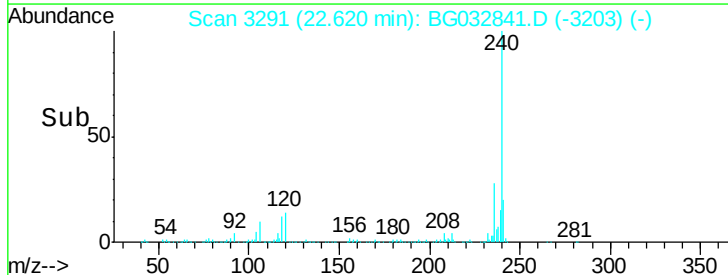
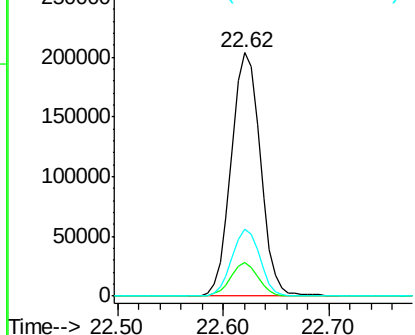


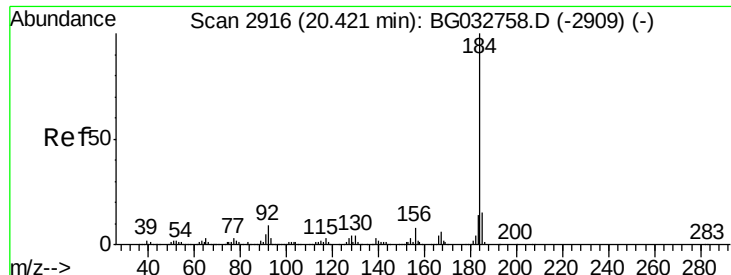
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 22.62 min Scan# 3291
 Delta R.T. -0.01 min
 Lab File: BG032841.D
 Acq: 27 Feb 2018 3:49

Tgt Ion:240 Resp: 389416
 Ion Ratio Lower Upper
 240 100
 120 13.8 6.8 10.2#
 236 27.6 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: 2.05 ng

RT: 20.78 min Scan# 2978

Delta R.T. 0.36 min

Lab File: BG032841.D

Acq: 27 Feb 2018 3:49

Instrument :

BNA_F

ClientSampled :

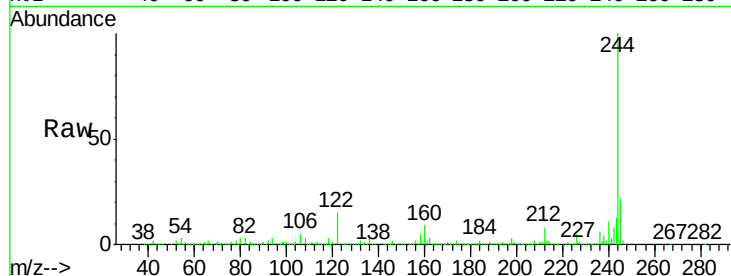
Tot Ion:184 Resp: 27161

Ion Ratio Lower Upper

184 100

185 14.6 11.1 16.7

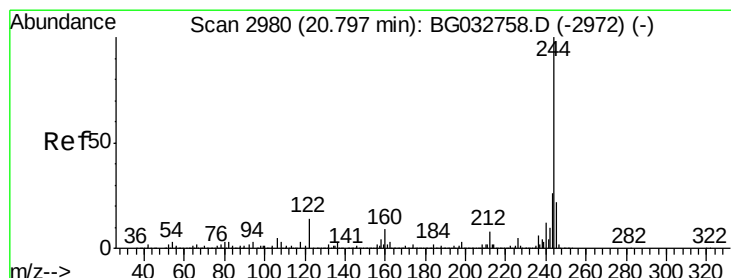
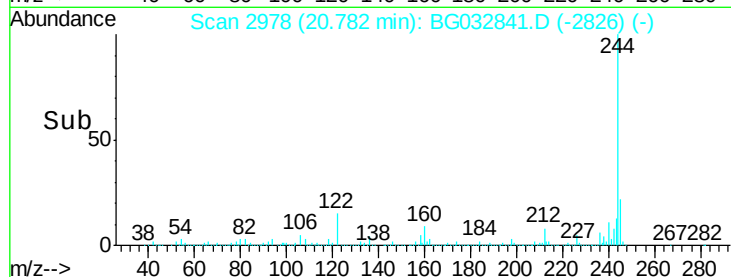
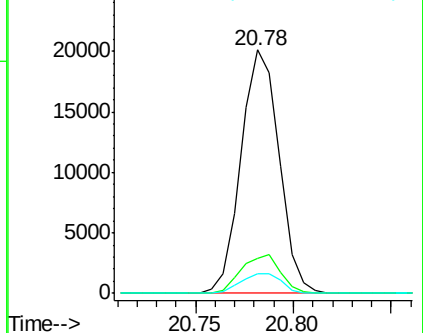
183 8.1 10.6 16.0#



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: 92.22 ng

RT: 20.78 min Scan# 2978

Delta R.T. -0.01 min

Lab File: BG032841.D

Acq: 27 Feb 2018 3:49

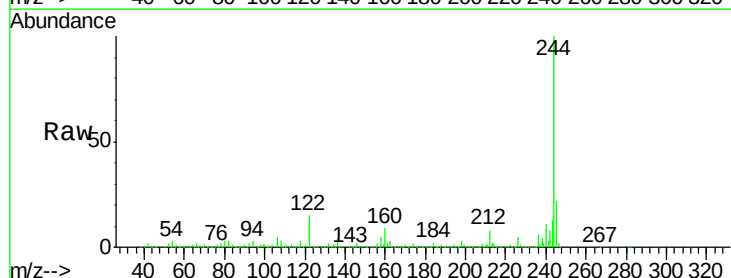
Tgt Ion:244 Resp: 1598460

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

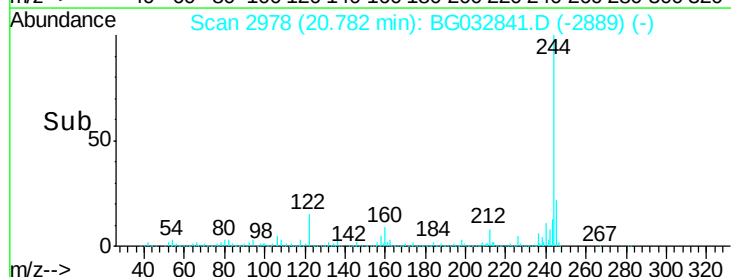
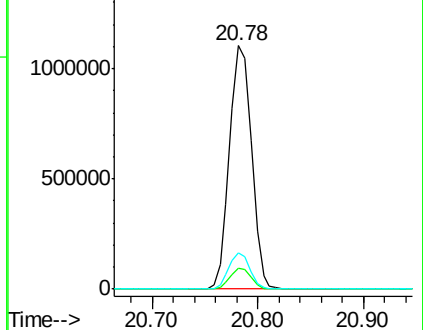
122 14.9 7.0 10.4#

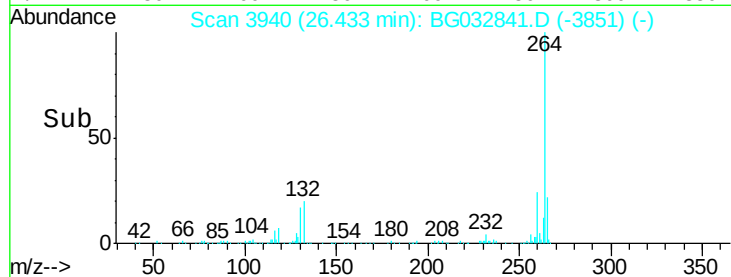
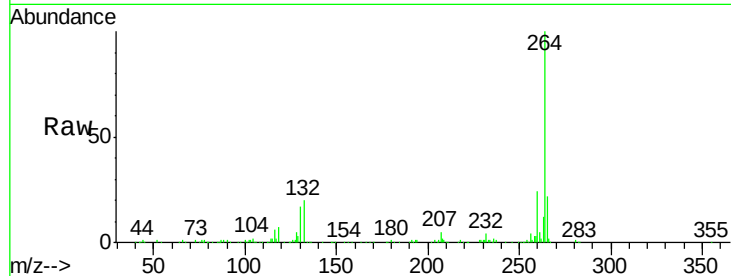
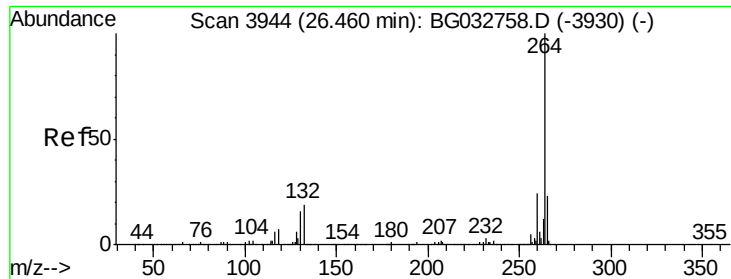


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 26.43 min Scan# 3940
Delta R.T. -0.01 min
Lab File: BG032841.D
Acq: 27 Feb 2018 3:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	17.4	26.0
265	21.9	17.7	26.5

