

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022618\
 Data File : BG032843.D
 Acq On : 27 Feb 2018 5:04
 Operator : SJ/JU
 Sample : J1691-36
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 27 06:00:07 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

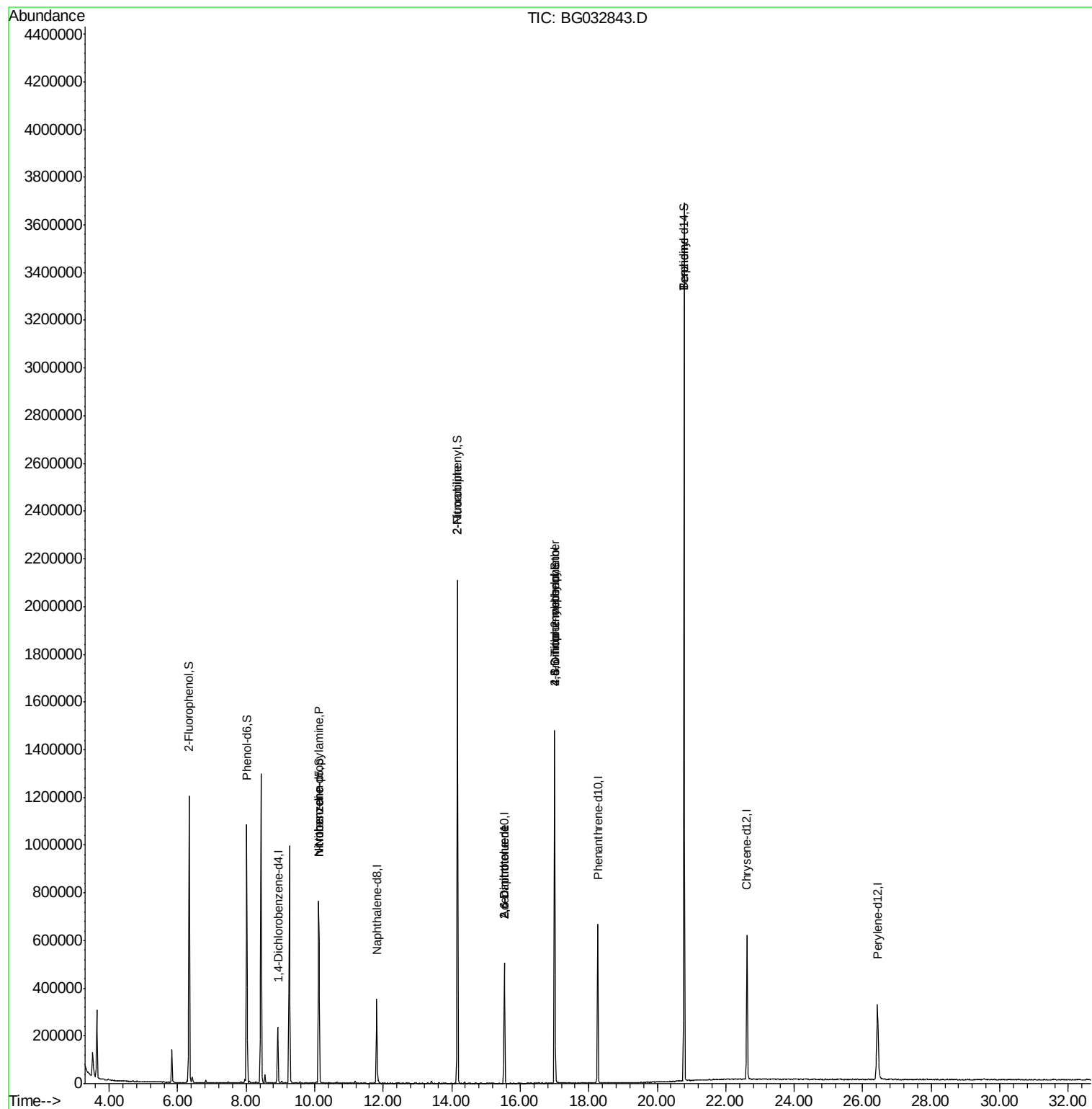
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	72494	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	315717	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	175082	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	405934	20.00	ng	0.00
75) Chrysene-d12	22.62	240	389933	20.00	ng	-0.01
86) Perylene-d12	26.43	264	395352	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	575477	127.00	ng	0.00
7) Phenol-d6	8.01	99	683652	108.24	ng	0.00
23) Nitrobenzene-d5	10.12	82	487812	104.63	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	263321	143.04	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	1108295	91.30	ng	0.00
78) Terphenyl-d14	20.79	244	1647982	94.95	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.12	70	62994	14.13	ng	# 82
24) Nitrobenzene	10.12	77	1712	6.68	ng	# 41
47) 2-Nitroaniline	14.17	65	2055	10.40	ng	# 4
50) 2,6-Dinitrotoluene	15.53	165	22629	16.39	ng	# 21
56) 2,4-Dinitrotoluene	15.53	165	22629	14.59	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.00	198	608	5.59	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	18986	4.42	ng	# 1
76) Benzidine	20.79	184	28170	2.12	ng	# 94

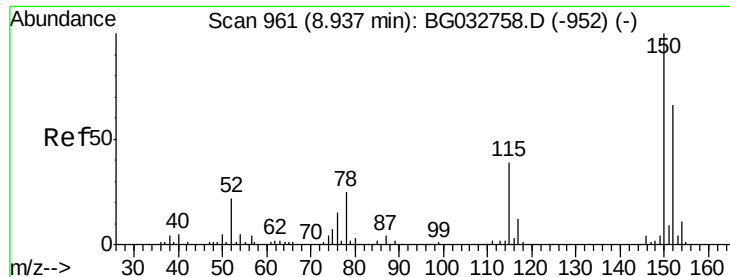
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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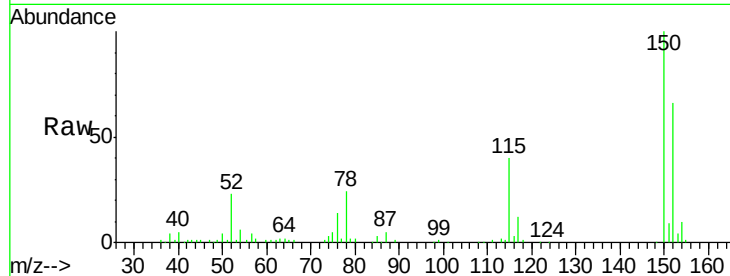


#1

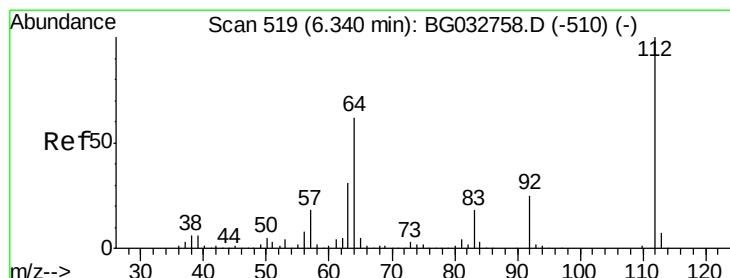
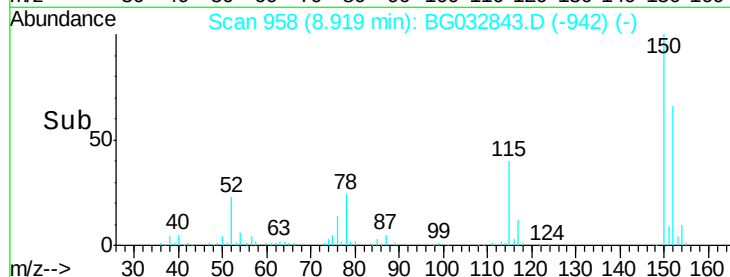
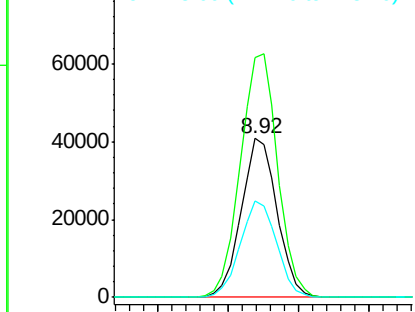
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.92 min Scan# 958
Delta R.T. -0.01 min
Lab File: BG032843.D
Acq: 27 Feb 2018 5:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 72494
Ion Ratio Lower Upper
152 100
150 151.2 126.6 189.8
115 60.6 53.0 79.4



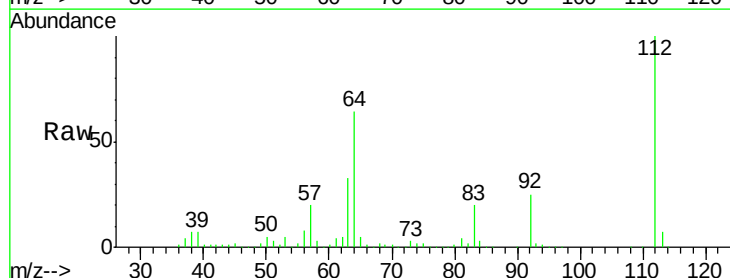
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



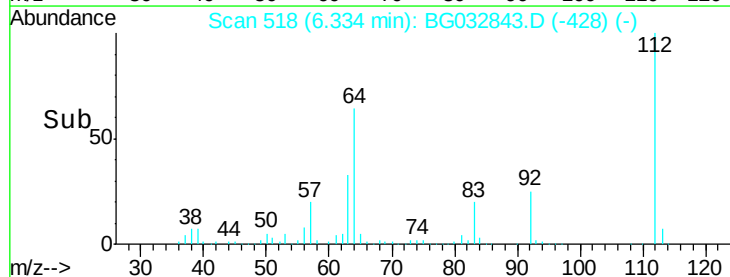
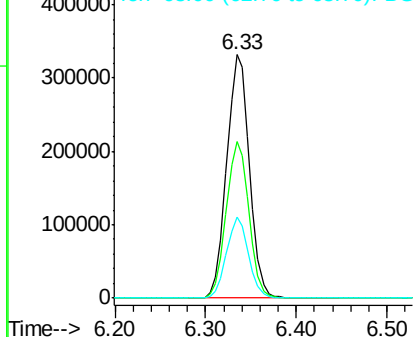
#5

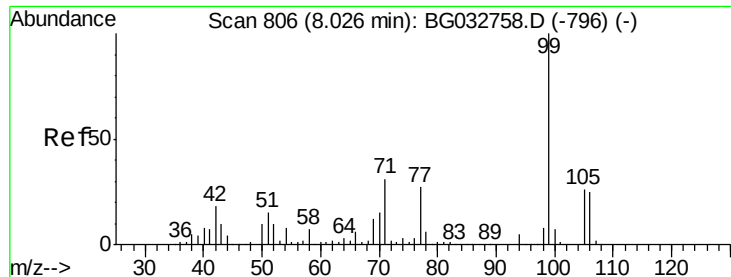
2-Fluorophenol
Concen: 127.00 ng
RT: 6.33 min Scan# 518
Delta R.T. -0.00 min
Lab File: BG032843.D
Acq: 27 Feb 2018 5:04

Tgt Ion:112 Resp: 575477
Ion Ratio Lower Upper
112 100
64 64.4 56.3 84.5
63 33.2 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: 108.24 ng

RT: 8.01 min Scan# 804

Delta R.T. -0.00 min

Lab File: BG032843.D

Acq: 27 Feb 2018 5:04

Instrument :

BNA_F

ClientSampled :

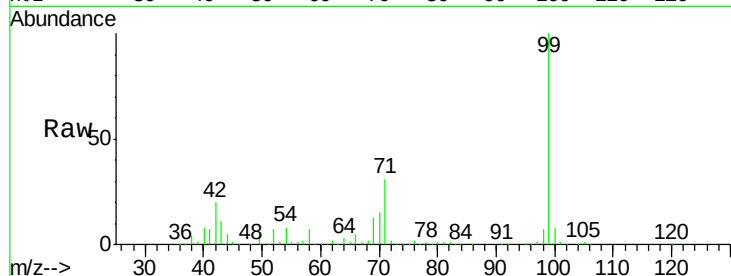
Tot Ion: 99 Resp: 683652

Ion Ratio Lower Upper

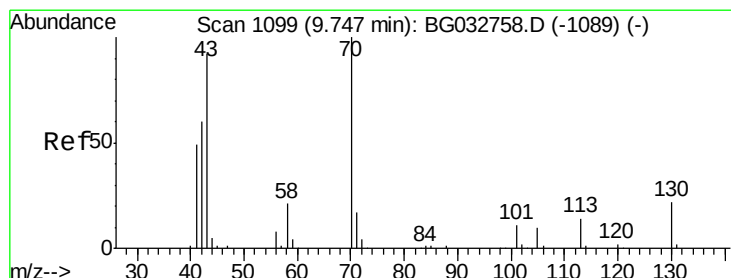
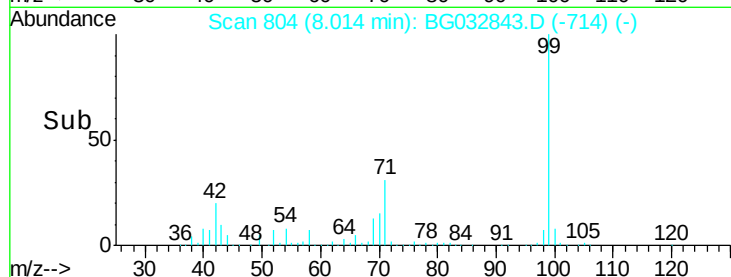
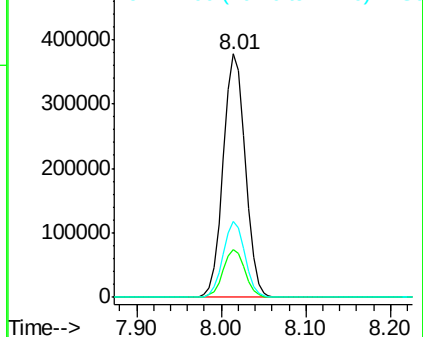
99 100

42 19.6 14.1 21.1

71 31.0 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: 14.13 ng

RT: 10.12 min Scan# 1162

Delta R.T. 0.38 min

Lab File: BG032843.D

Acq: 27 Feb 2018 5:04

Tgt Ion: 70 Resp: 62994

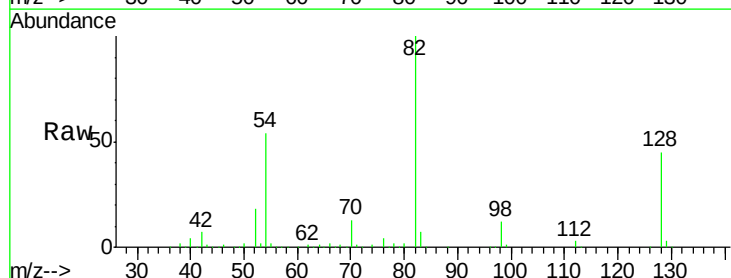
Ion Ratio Lower Upper

70 100

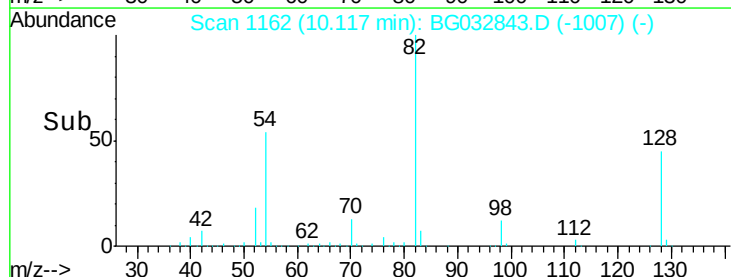
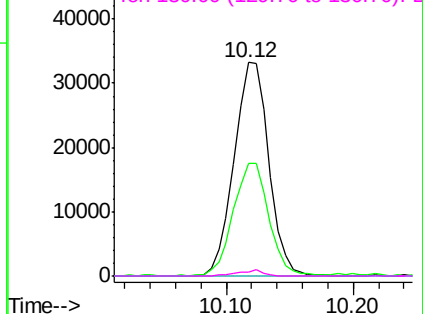
42 52.7 49.1 73.7

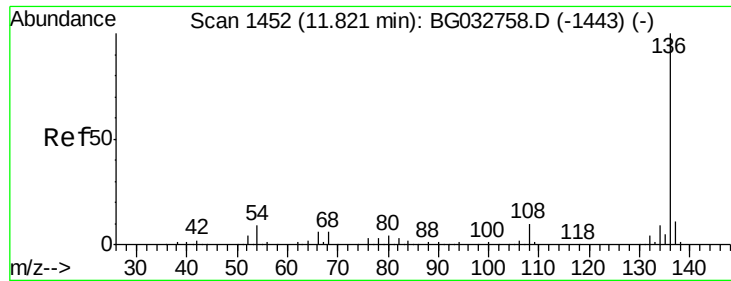
101 0.0 8.5 12.7#

130 2.0 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

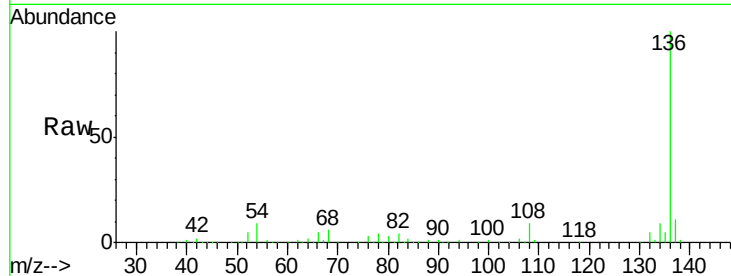




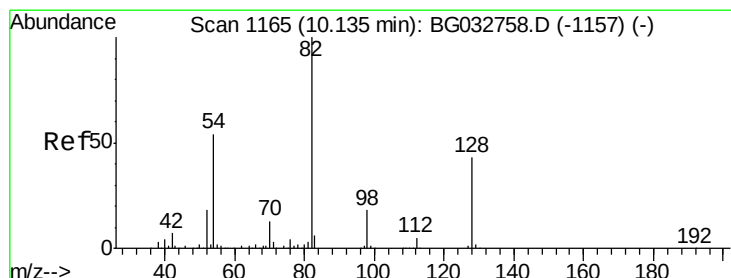
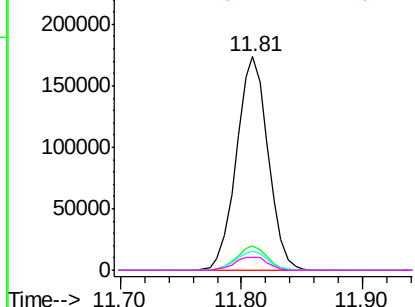
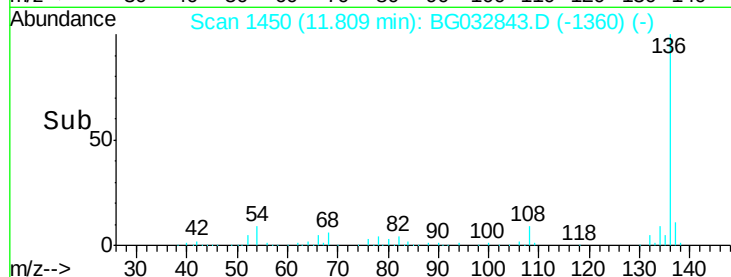
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.81 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BG032843.D
Acq: 27 Feb 2018 5:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	315717
Ion Ratio	Lower	Upper
136	100	
137	11.2	9.2 13.8
54	9.1	10.3 15.5#
68	6.1	4.5 6.7

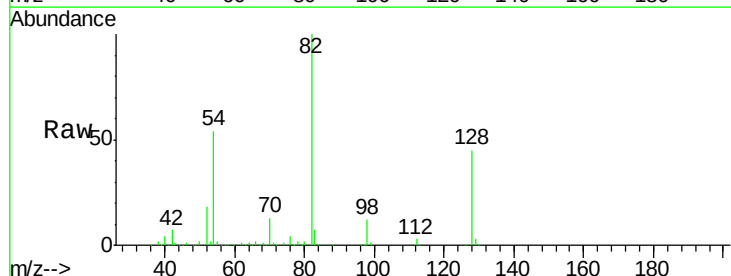


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

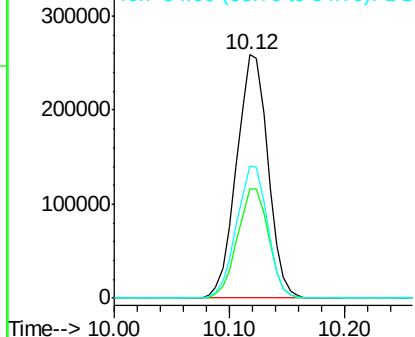
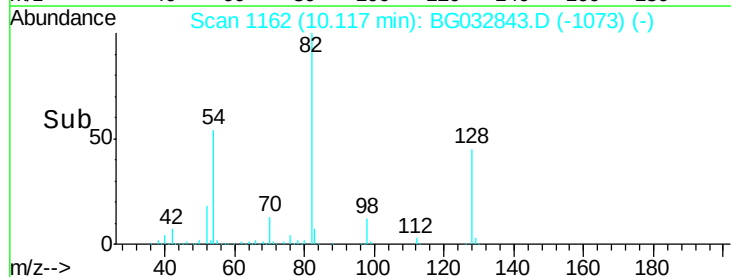


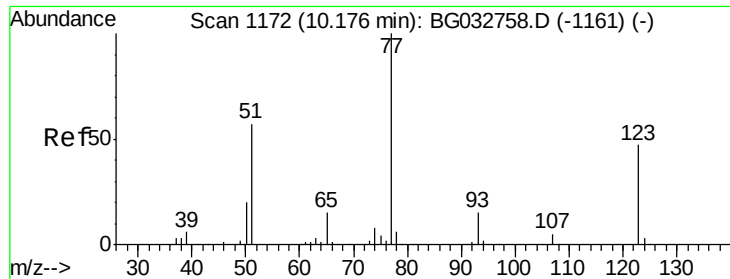
#23
Nitrobenzene-d5
Concen: 104.63 ng
RT: 10.12 min Scan# 1162
Delta R.T. -0.01 min
Lab File: BG032843.D
Acq: 27 Feb 2018 5:04

Tgt Ion: 82	Resp:	487812
Ion Ratio	Lower	Upper
82	100	
128	44.7	29.7 44.5#
54	54.4	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





#24

Nitrobenzene

Concen: 6.68 ng

RT: 10.12 min Scan# 1163

Delta R.T. -0.04 min

Lab File: BG032843.D

Acq: 27 Feb 2018 5:04

Instrument :

BNA_F

ClientSampled :

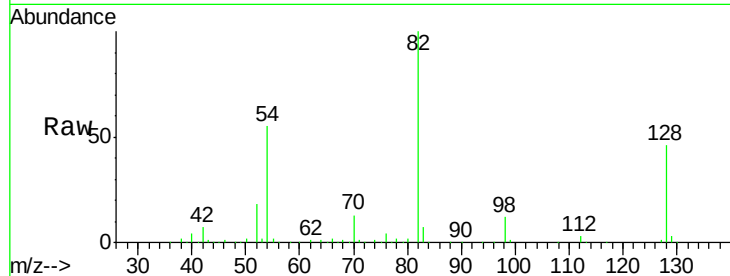
Tot Ion: 77 Resp: 1712

Ion Ratio Lower Upper

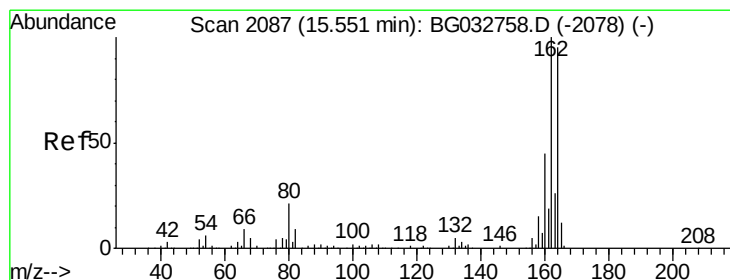
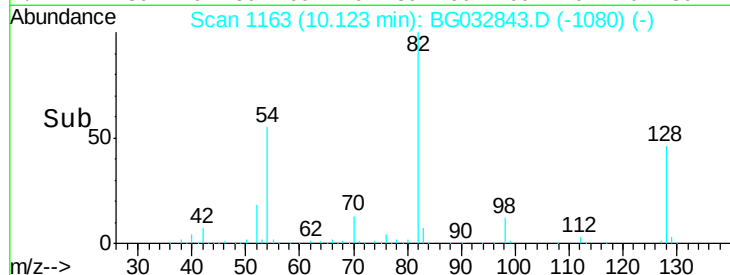
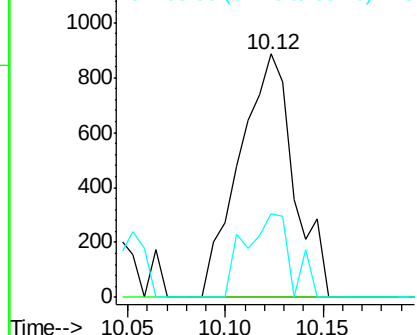
77 100

123 0.0 33.0 49.6#

65 34.4 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: 15.53 min Scan# 2084

Delta R.T. -0.01 min

Lab File: BG032843.D

Acq: 27 Feb 2018 5:04

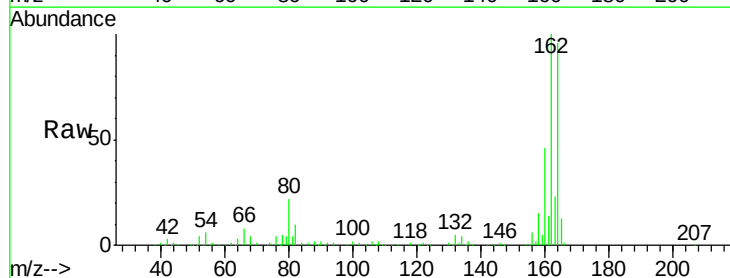
Tgt Ion:164 Resp: 175082

Ion Ratio Lower Upper

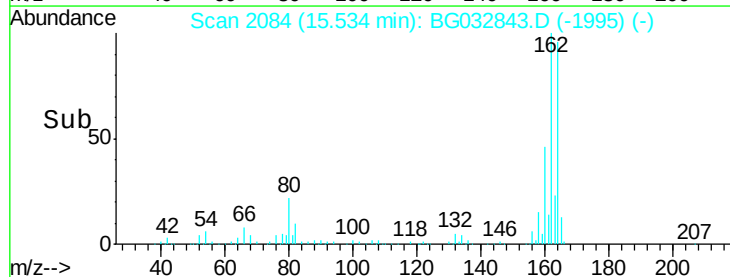
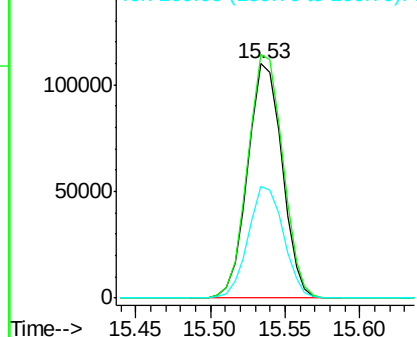
164 100

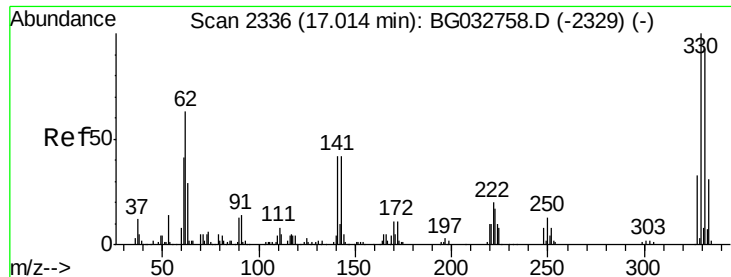
162 103.9 78.8 118.2

160 47.8 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

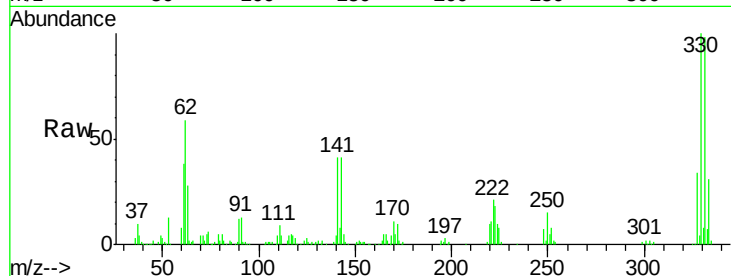




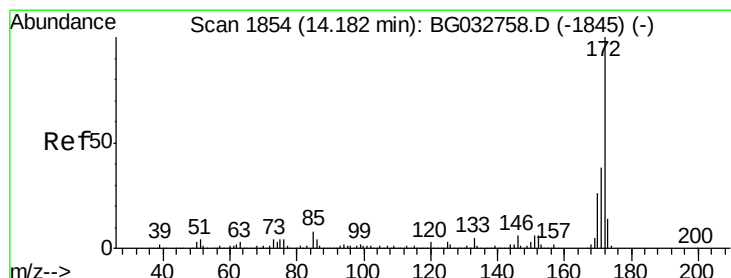
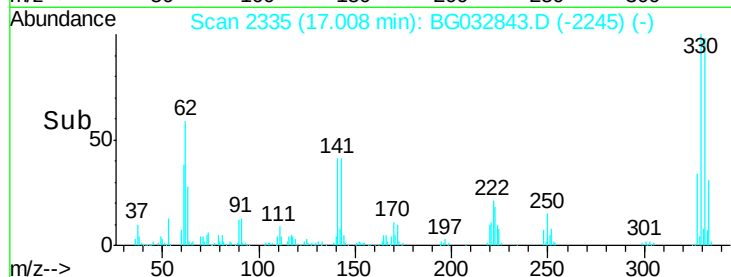
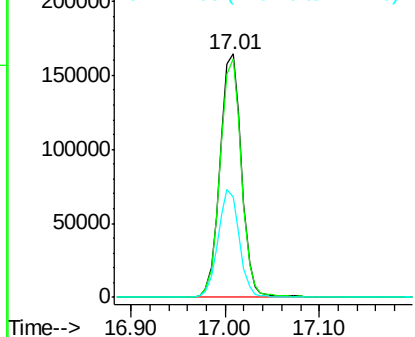
#41
 2,4,6-Tribromophenol
 Concen: 143.04 ng
 RT: 17.01 min Scan# 2335
 Delta R.T. -0.00 min
 Lab File: BG032843.D
 Acq: 27 Feb 2018 5:04

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 263321
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.0 115.6
 141 43.9 25.2 37.8#

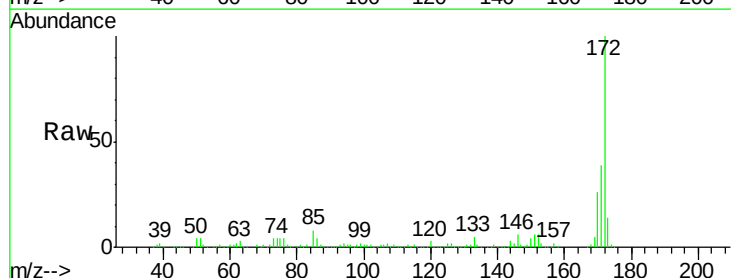


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

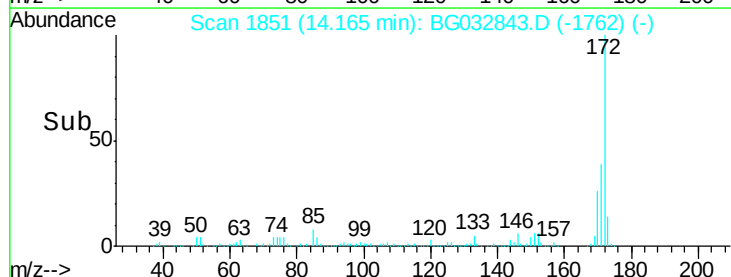
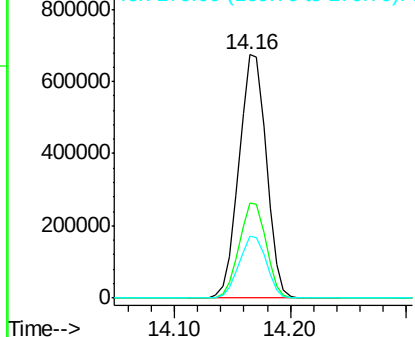


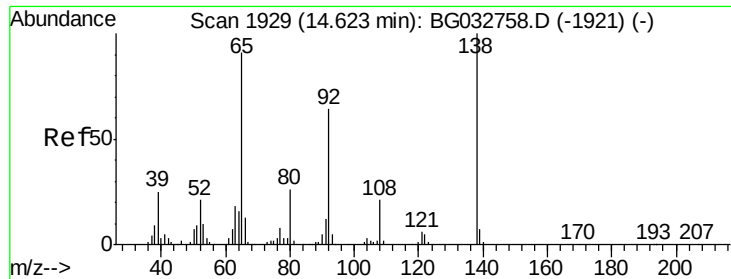
#44
 2-Fluorobiphenyl
 Concen: 91.30 ng
 RT: 14.16 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BG032843.D
 Acq: 27 Feb 2018 5:04

Tgt Ion:172 Resp: 1108295
 Ion Ratio Lower Upper
 172 100
 171 39.1 30.0 45.0
 170 25.7 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

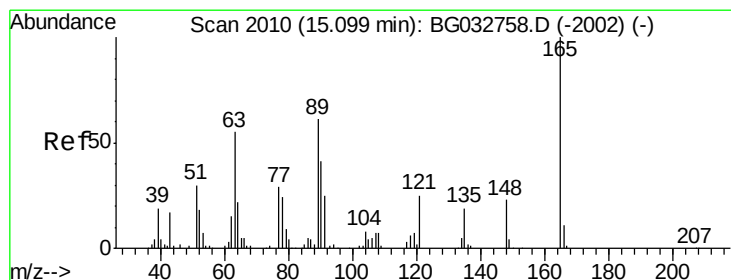
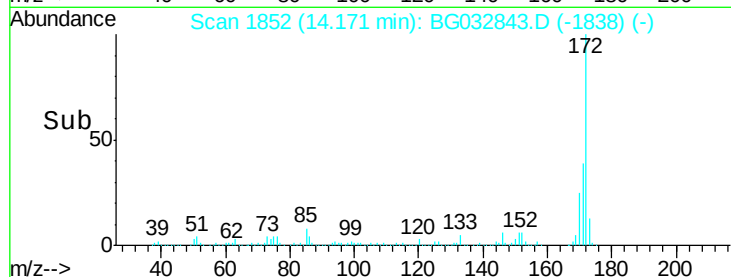
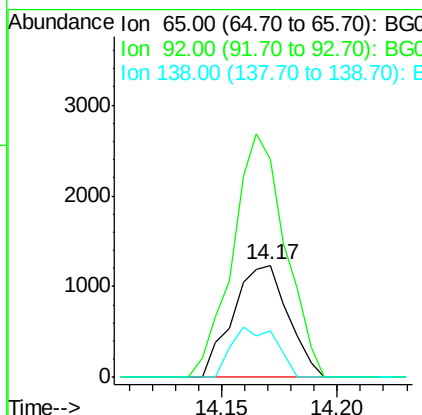
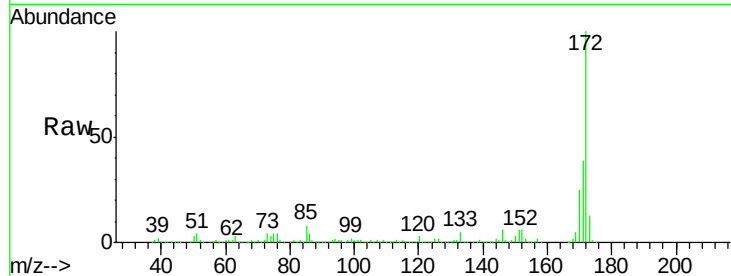




#47
2-Nitroaniline
Concen: 10.40 ng
RT: 14.17 min Scan# 1852
Delta R.T. -0.45 min
Lab File: BG032843.D
Acq: 27 Feb 2018 5:04

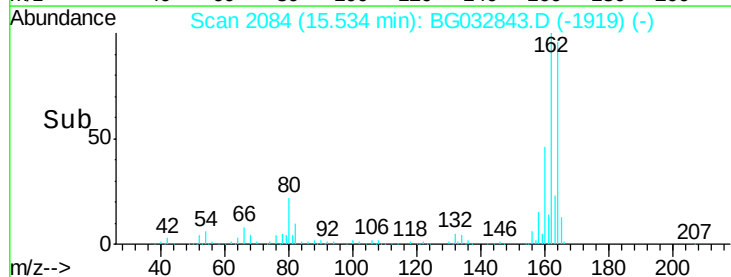
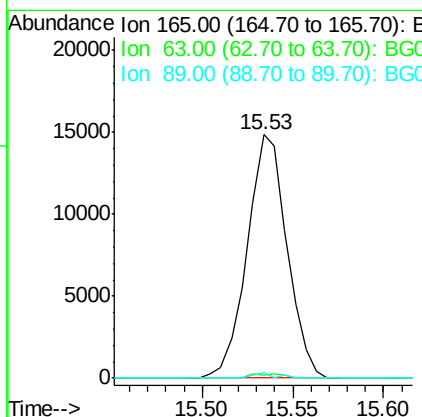
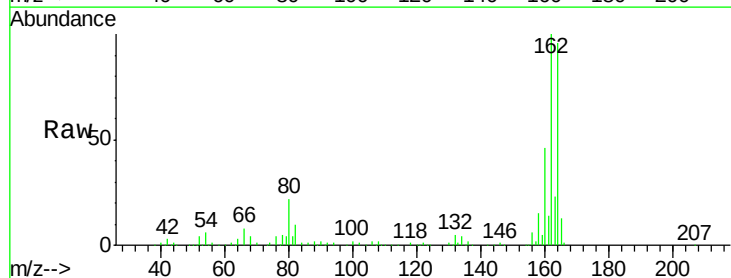
Instrument :
BNA_F
ClientSampleId :

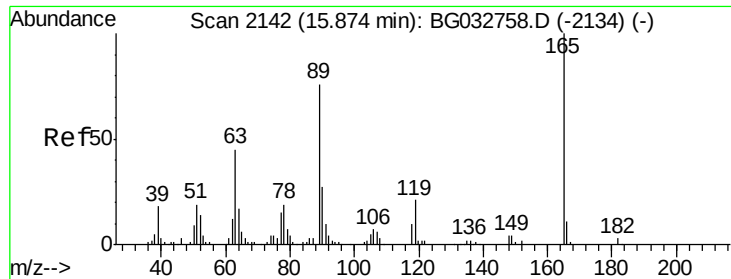
Tot Ion: 65 Resp: 2055
Ion Ratio Lower Upper
65 100
92 193.5 54.6 82.0#
138 41.8 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.39 ng
RT: 15.53 min Scan# 2084
Delta R.T. 0.44 min
Lab File: BG032843.D
Acq: 27 Feb 2018 5:04

Tgt Ion:165 Resp: 22629
Ion Ratio Lower Upper
165 100
63 1.3 52.7 79.1#
89 2.3 49.2 73.8#

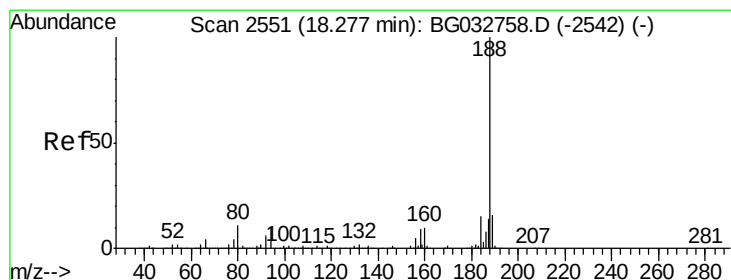
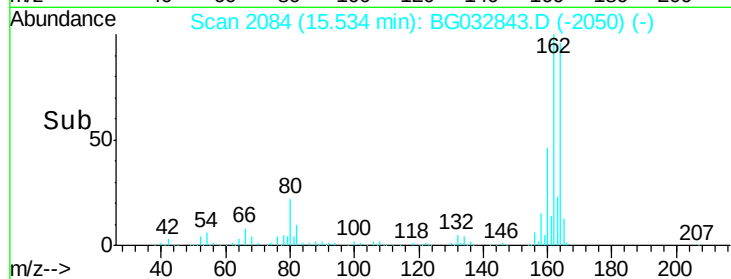
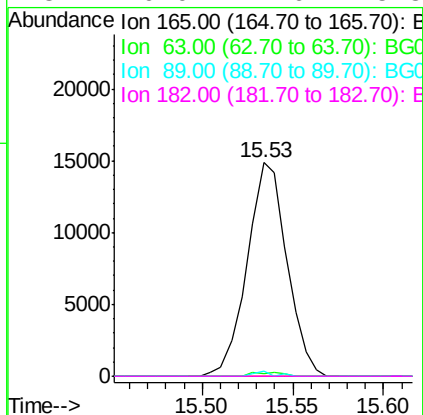
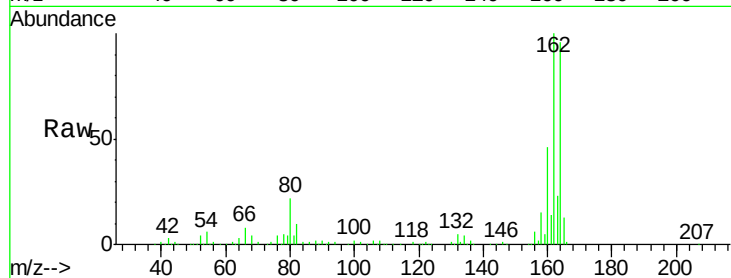




#56
 2,4-Dinitrotoluene
 Concen: 14.59 ng
 RT: 15.53 min Scan# 2084
 Delta R.T. -0.33 min
 Lab File: BG032843.D
 Acq: 27 Feb 2018 5:04

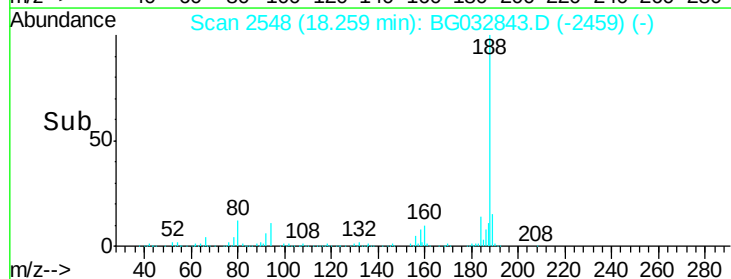
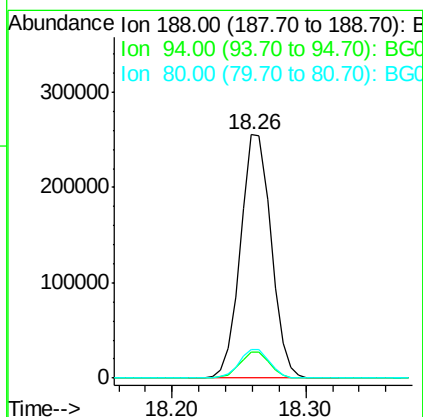
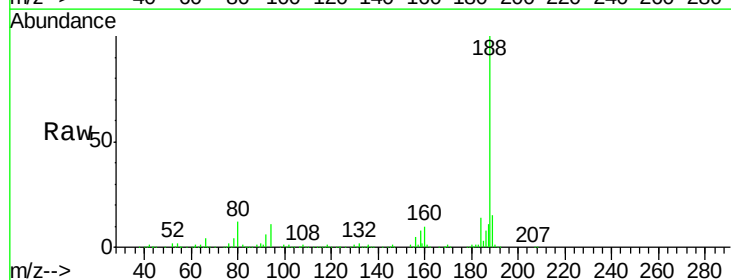
Instrument :
 BNA_F
 ClientSampleId :

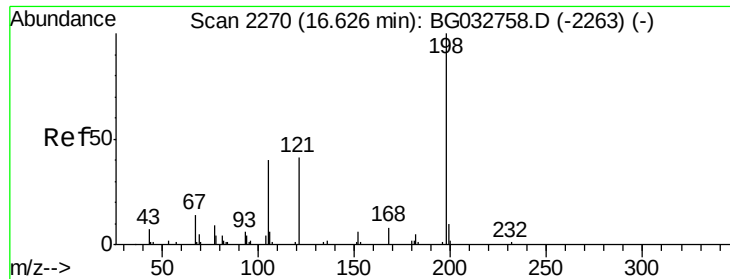
Tot Ion:165	Resp:	22629
Ion Ratio	Lower	Upper
165	100	
63	1.3	42.0 63.0#
89	2.3	66.9 100.3#
182	0.0	2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 18.26 min Scan# 2548
 Delta R.T. -0.01 min
 Lab File: BG032843.D
 Acq: 27 Feb 2018 5:04

Tgt Ion:188	Resp:	405934
Ion Ratio	Lower	Upper
188	100	
94	10.7	6.9 10.3#
80	11.7	7.7 11.5#





#64

4,6-Dinitro-2-methylphenol

Concen: 5.59 ng

RT: 17.00 min Scan# 2334

Delta R.T. 0.38 min

Lab File: BG032843.D

Acq: 27 Feb 2018 5:04

Instrument :

BNA_F

ClientSampleId :

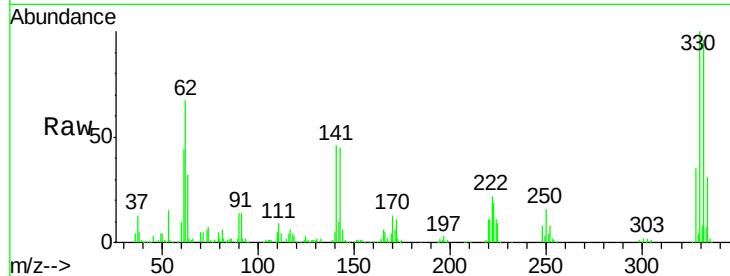
Tot Ion:198 Resp: 608

Ion Ratio Lower Upper

198 100

51 152.7 30.6 70.6#

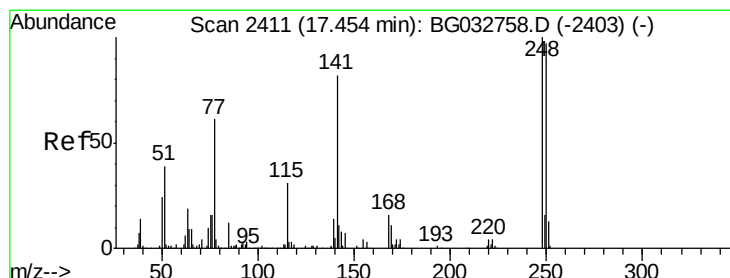
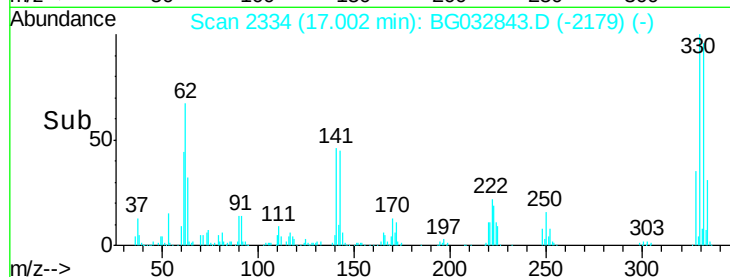
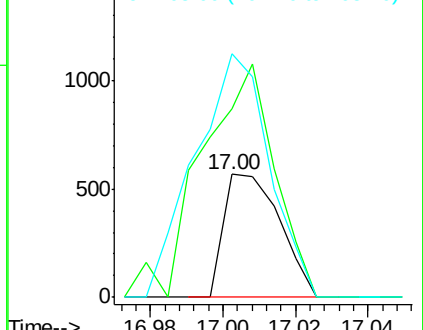
105 197.5 23.8 63.8#



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: 4.42 ng

RT: 17.00 min Scan# 2334

Delta R.T. -0.44 min

Lab File: BG032843.D

Acq: 27 Feb 2018 5:04

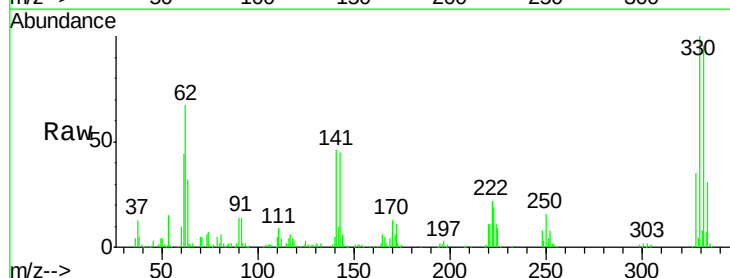
Tgt Ion:248 Resp: 18986

Ion Ratio Lower Upper

248 100

250 204.5 77.1 115.7#

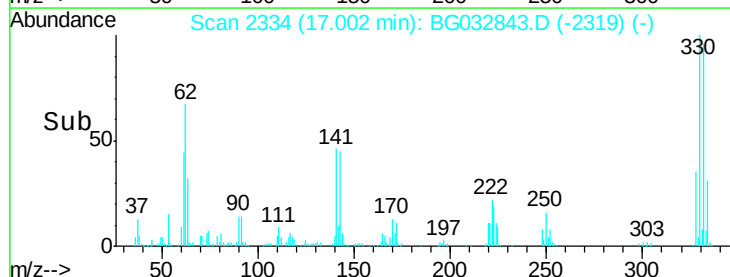
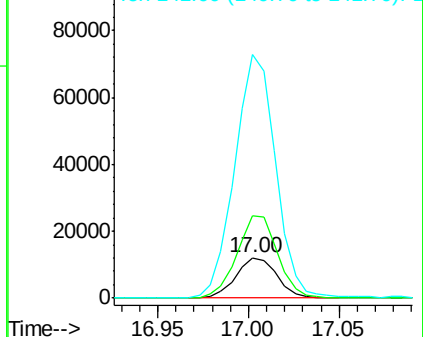
141 600.7 50.8 76.2#

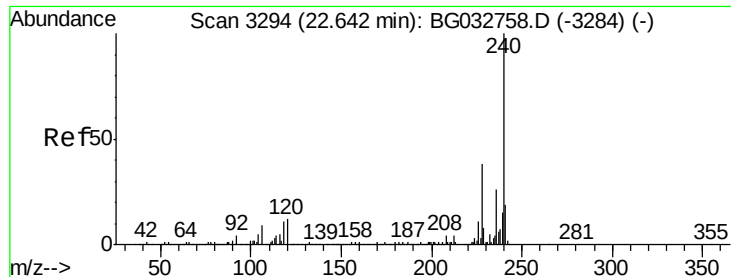


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3290

Delta R.T. -0.01 min

Lab File: BG032843.D

Acq: 27 Feb 2018 5:04

Instrument :

BNA_F

ClientSampled :

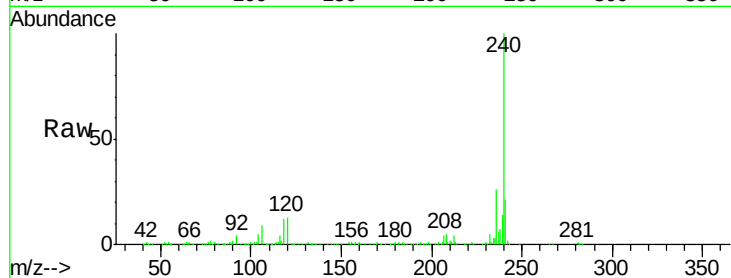
Tot Ion:240 Resp: 389933

Ion Ratio Lower Upper

240 100

120 12.9 6.8 10.2#

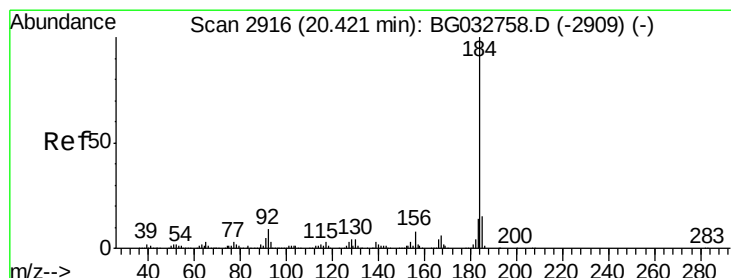
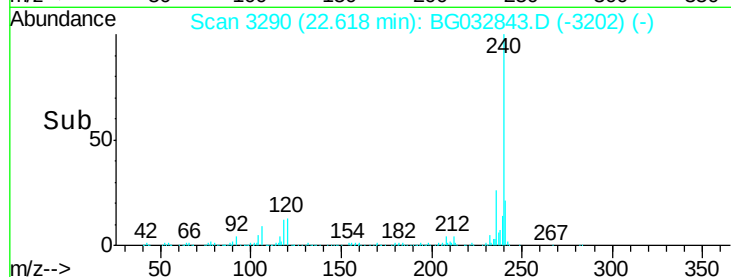
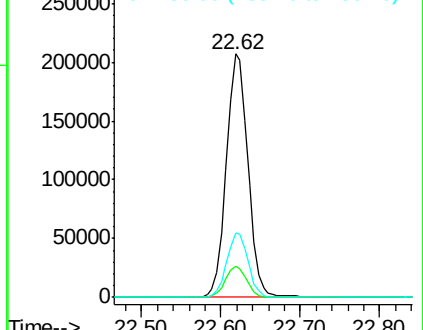
236 26.3 20.9 31.3



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: 2.12 ng

RT: 20.79 min Scan# 2978

Delta R.T. 0.37 min

Lab File: BG032843.D

Acq: 27 Feb 2018 5:04

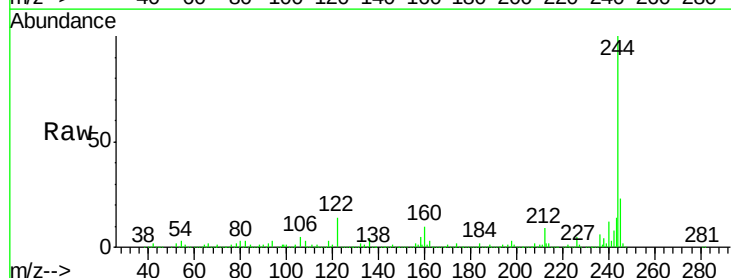
Tgt Ion:184 Resp: 28170

Ion Ratio Lower Upper

184 100

185 14.0 11.1 16.7

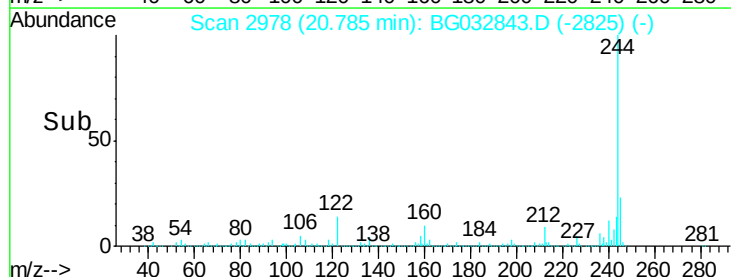
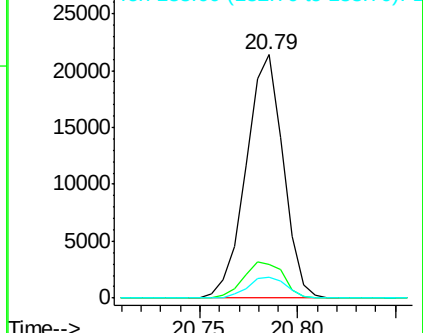
183 8.8 10.6 16.0#

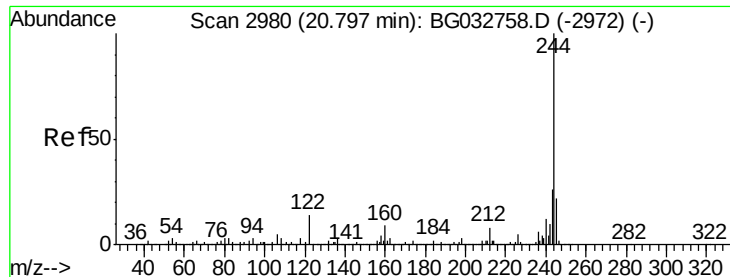


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 94.95 ng

RT: 20.79 min Scan# 2978

Delta R.T. -0.00 min

Lab File: BG032843.D

Acq: 27 Feb 2018 5:04

Instrument :

BNA_F

ClientSampleId :

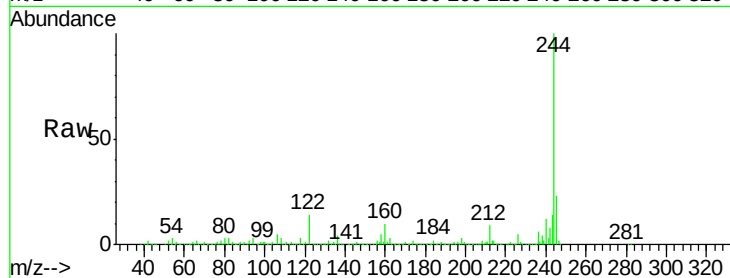
Tot Ion:244 Resp: 1647982

Ion Ratio Lower Upper

244 100

212 8.6 5.8 8.8

122 14.5 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

20.79

1500000

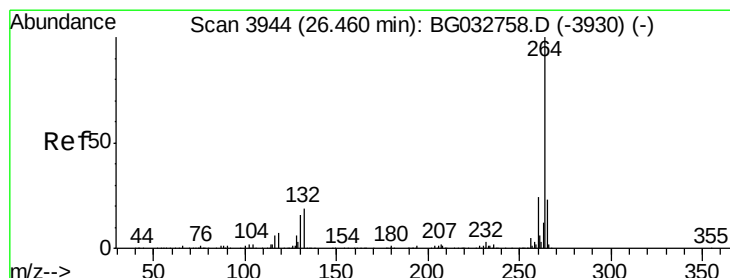
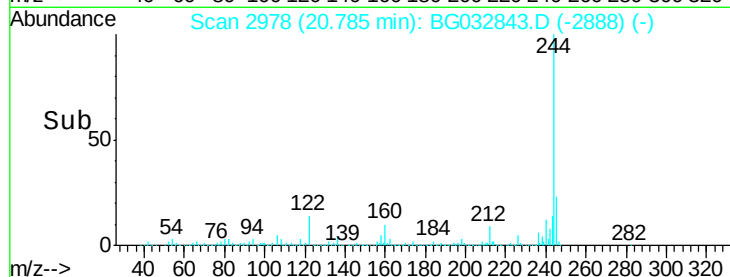
1000000

500000

0

20.70 20.80 20.90

Time-->



#86

Perylene-d12

Concen: 20.00 ng

RT: 26.43 min Scan# 3939

Delta R.T. -0.01 min

Lab File: BG032843.D

Acq: 27 Feb 2018 5:04

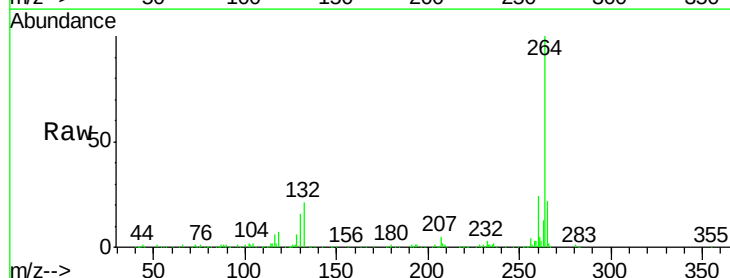
Tgt Ion:264 Resp: 395352

Ion Ratio Lower Upper

264 100

260 24.3 17.4 26.0

265 22.0 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

26.43

150000

100000

50000

0

26.40 26.60

Time-->

