

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022318\
 Data File : BG032806.D
 Acq On : 24 Feb 2018 1:12
 Operator : SJ/JU
 Sample : PB106787BL
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 24 02:13:18 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 17:04:54 2018
 Response via : Initial Calibration

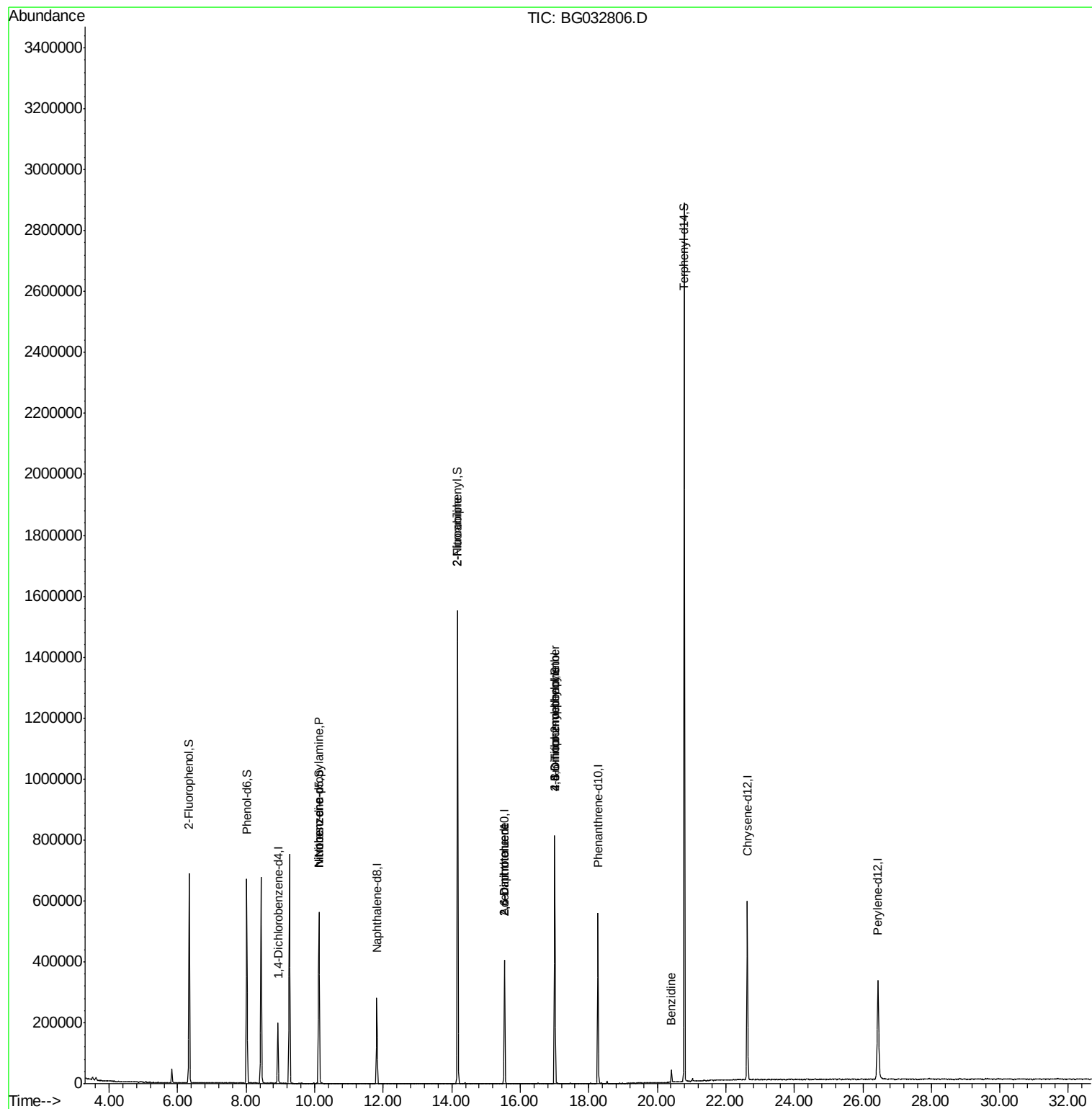
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	60303	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	256818	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	140298	20.00	ng	0.00
63) Phenanthrene-d10	18.27	188	345789	20.00	ng	0.00
75) Chrysene-d12	22.63	240	370798	20.00	ng	0.00
86) Perylene-d12	26.45	264	396420	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.34	112	346180	91.84	ng	0.00
7) Phenol-d6	8.02	99	446691	85.02	ng	0.00
23) Nitrobenzene-d5	10.12	82	354530	94.54	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	143892	97.54	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	821580	84.46	ng	0.00
78) Terphenyl-d14	20.79	244	1345466	81.52	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.12	70	45074	12.15	ng	# 80
24) Nitrobenzene	10.12	77	982	6.59	ng	# 29
47) 2-Nitroaniline	14.18	65	1475	10.34	ng	# 1
50) 2,6-Dinitrotoluene	15.54	165	18007	16.34	ng	# 20
56) 2,4-Dinitrotoluene	15.54	165	18007	14.54	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.01	198	385	5.42	ng	# 1
66) 4-Bromophenyl-phenylether	17.01	248	9928	2.72	ng	# 1
76) Benzidine	20.41	184	25843	2.04	ng	97

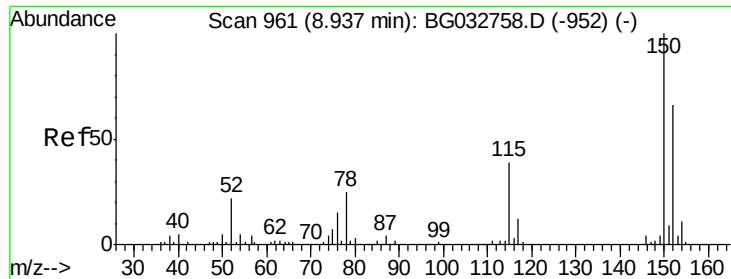
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_G
ClientSampleId :

Quant Time: Feb 24 02:13:18 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 23 17:04:54 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.92 min Scan# 959

Delta R.T. -0.00 min

Lab File: BG032806.D

Acq: 24 Feb 2018 1:12

Instrument :

BNA_G

ClientSampleId :

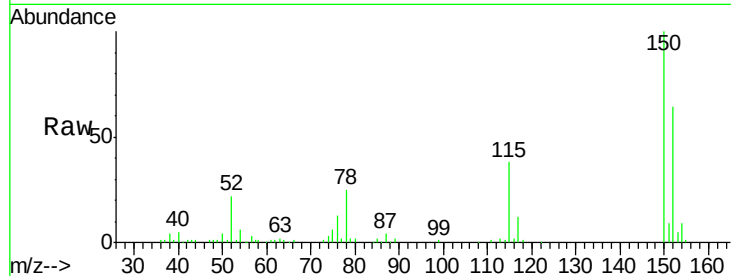
Tot Ion:152 Resp: 60303

Ion Ratio Lower Upper

152 100

150 156.7 126.6 189.8

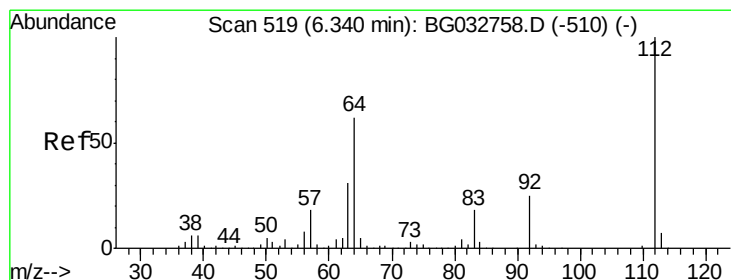
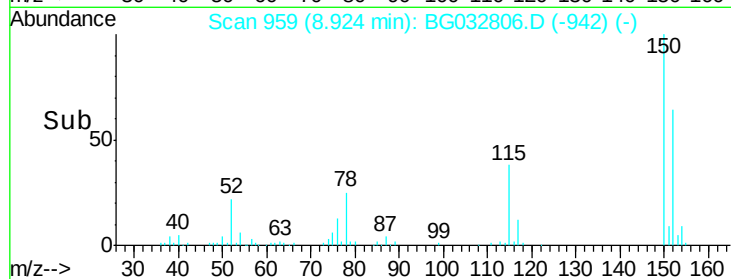
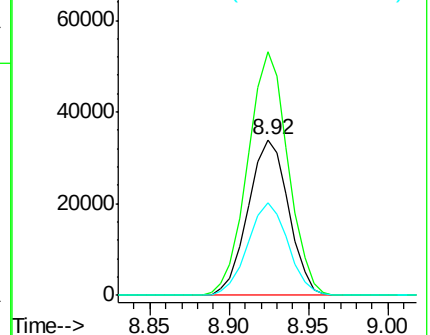
115 59.6 53.0 79.4



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: 91.84 ng

RT: 6.34 min Scan# 519

Delta R.T. 0.01 min

Lab File: BG032806.D

Acq: 24 Feb 2018 1:12

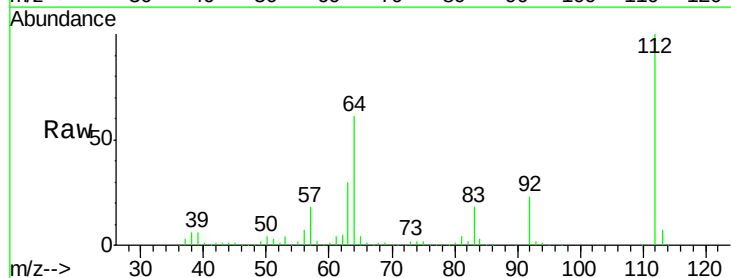
Tgt Ion:112 Resp: 346180

Ion Ratio Lower Upper

112 100

64 61.1 56.3 84.5

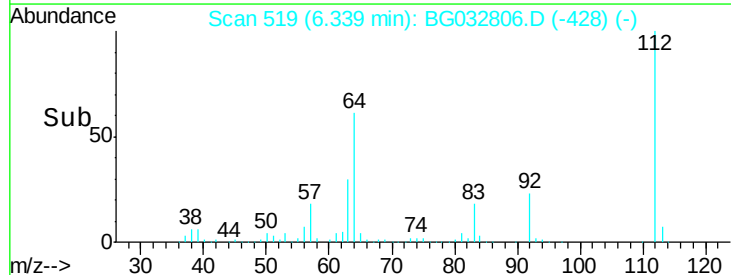
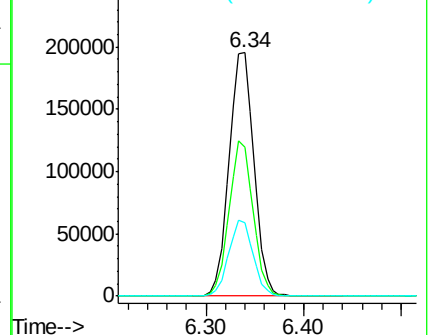
63 30.1 30.1 45.1#

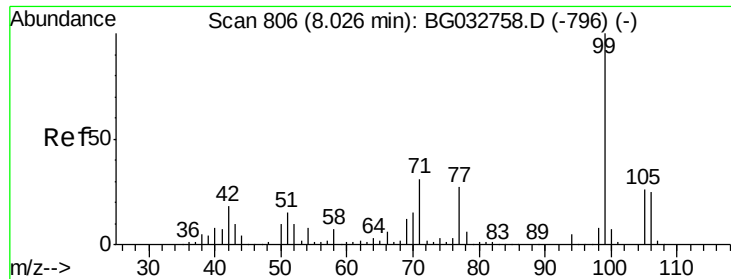


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 85.02 ng

RT: 8.02 min Scan# 805

Delta R.T. -0.00 min

Lab File: BG032806.D

Acq: 24 Feb 2018 1:12

Instrument :

BNA_G

ClientSampleId :

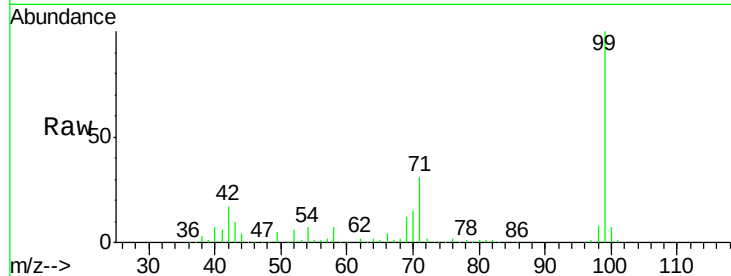
Tot Ion: 99 Resp: 446691

Ion Ratio Lower Upper

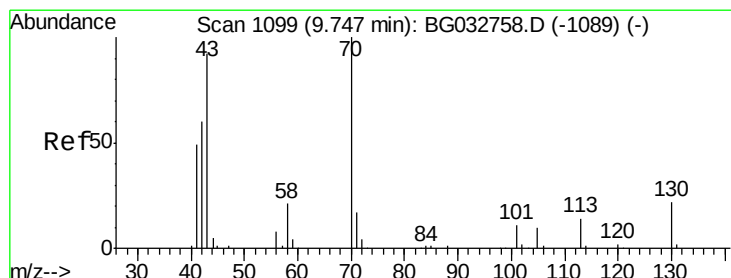
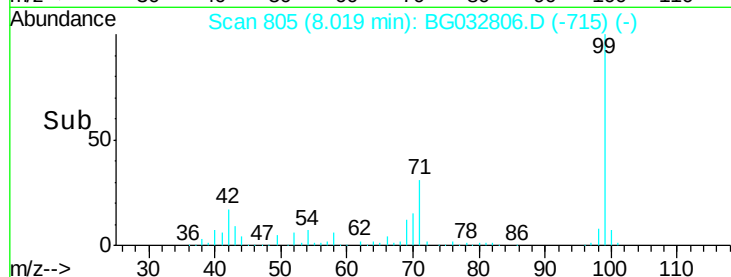
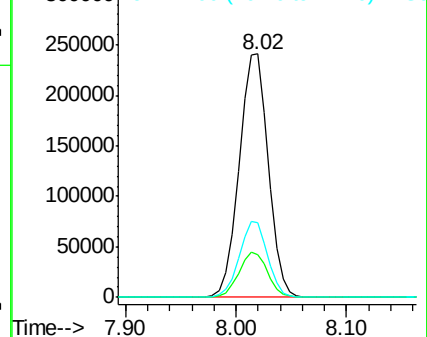
99 100

42 17.4 14.1 21.1

71 30.6 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: 12.15 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.38 min

Lab File: BG032806.D

Acq: 24 Feb 2018 1:12

Tgt Ion: 70 Resp: 45074

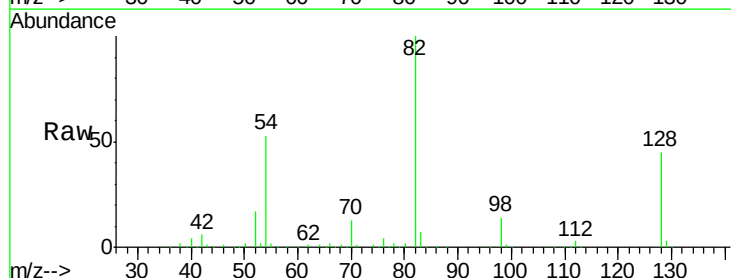
Ion Ratio Lower Upper

70 100

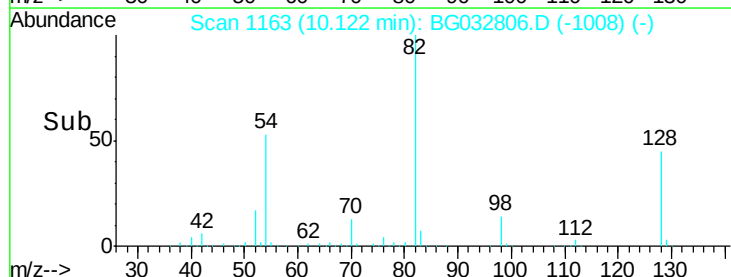
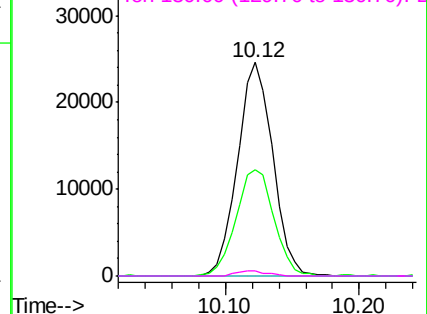
42 49.6 49.1 73.7

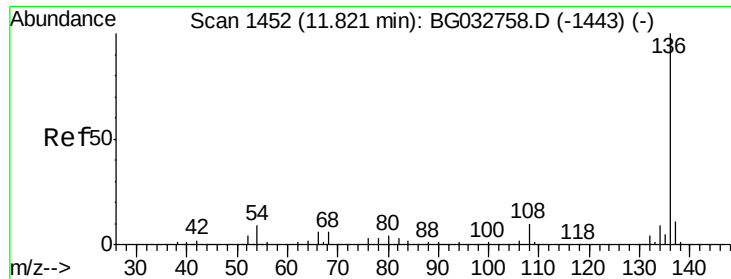
101 0.0 8.5 12.7#

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

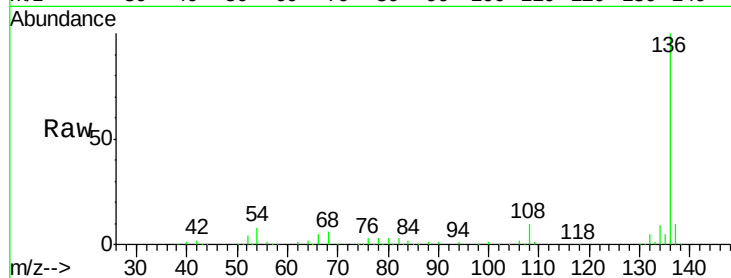




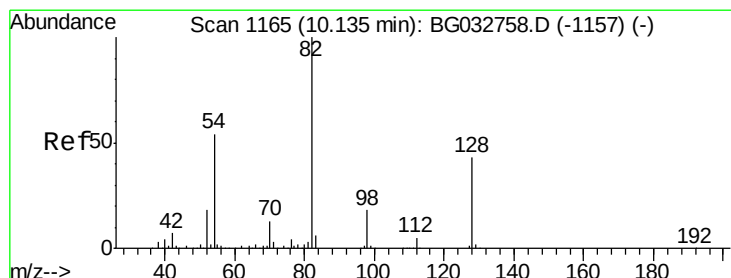
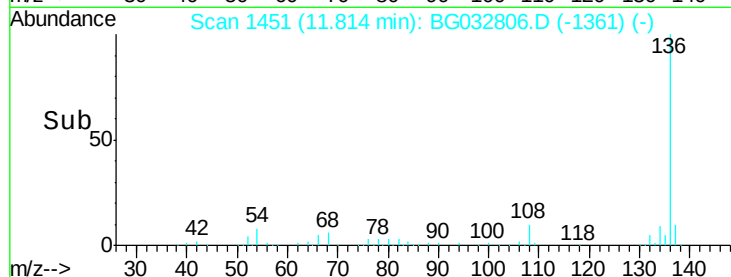
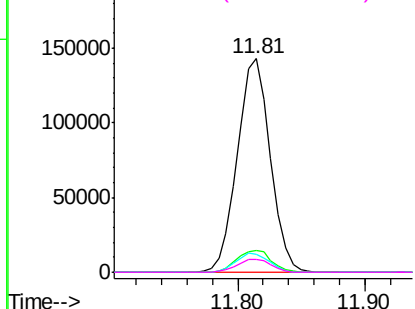
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.81 min Scan# 1451
Delta R.T. -0.00 min
Lab File: BG032806.D
Acq: 24 Feb 2018 1:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	256818
Ion Ratio	Lower	Upper
136	100	
137	10.4	9.2 13.8
54	8.5	10.3 15.5#
68	6.3	4.5 6.7

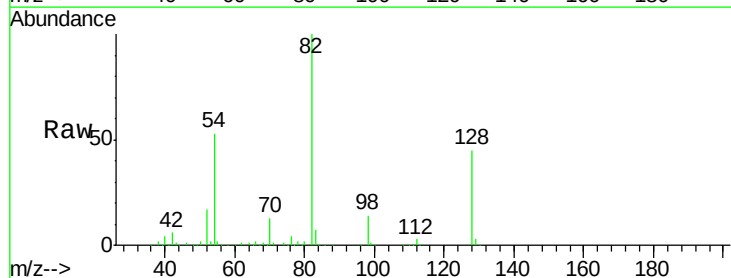


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

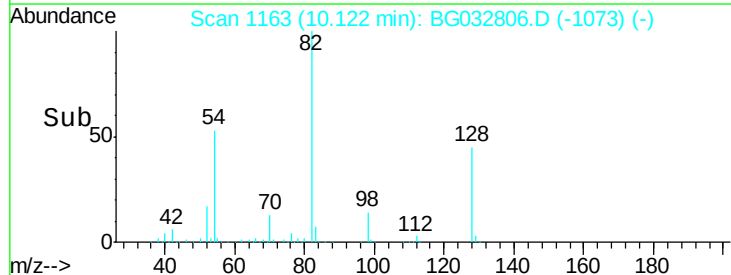
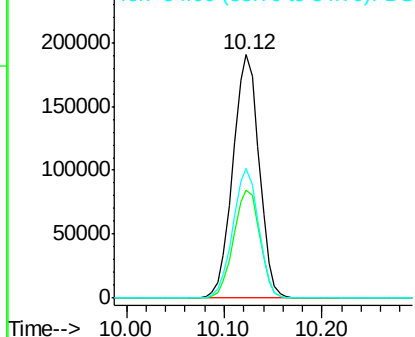


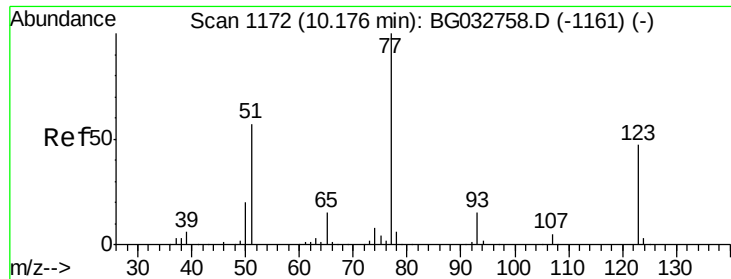
#23
Nitrobenzene-d5
Concen: 94.54 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BG032806.D
Acq: 24 Feb 2018 1:12

Tgt Ion: 82	Resp:	354530
Ion Ratio	Lower	Upper
82	100	
128	44.5	29.7 44.5#
54	53.1	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

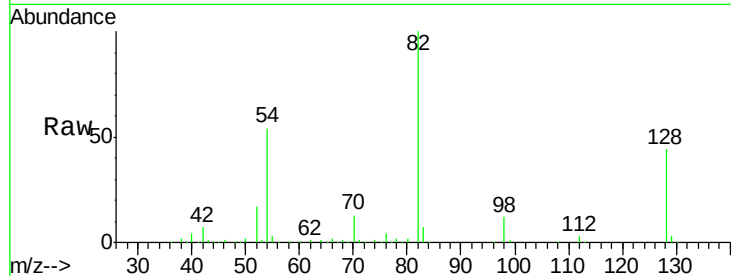




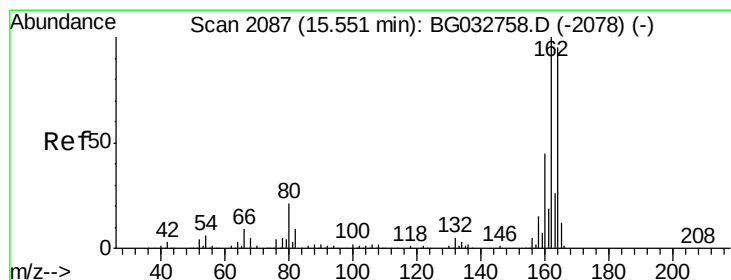
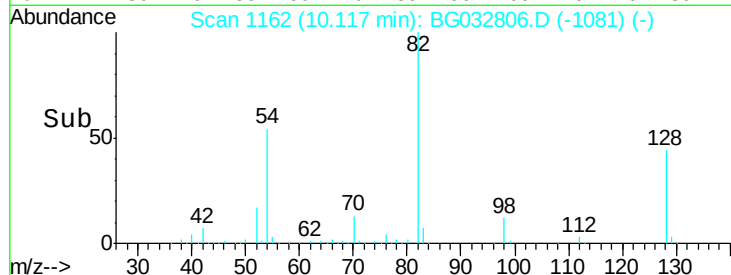
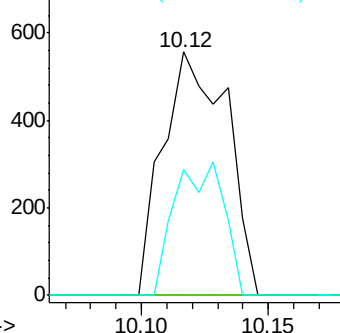
#24
 Nitrobenzene
 Concen: 6.59 ng
 RT: 10.12 min Scan# 1162
 Delta R.T. -0.05 min
 Lab File: BG032806.D
 Acq: 24 Feb 2018 1:12

Instrument :
 BNA_G
 ClientSampled :

Tot Ion: 77 Resp: 982
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 51.9 13.0 19.6#

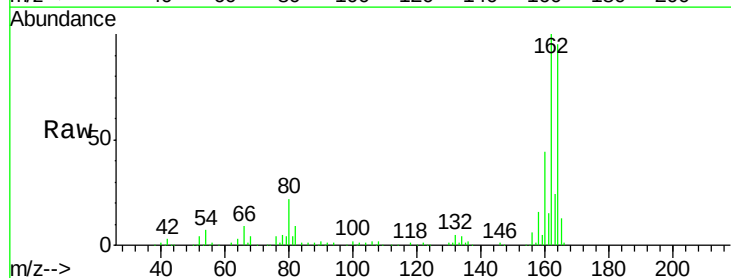


Abundance Ion 77.00 (76.70 to 77.70): BGC
 Ion 123.00 (122.70 to 123.70): BGC
 Ion 65.00 (64.70 to 65.70): BGC

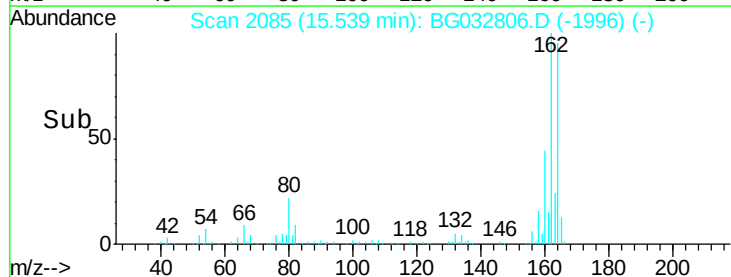
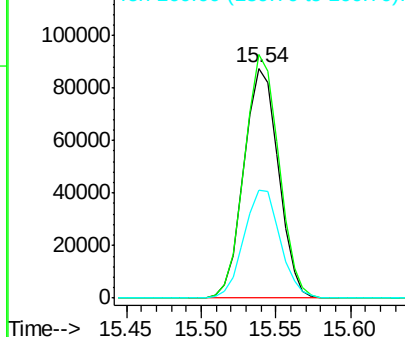


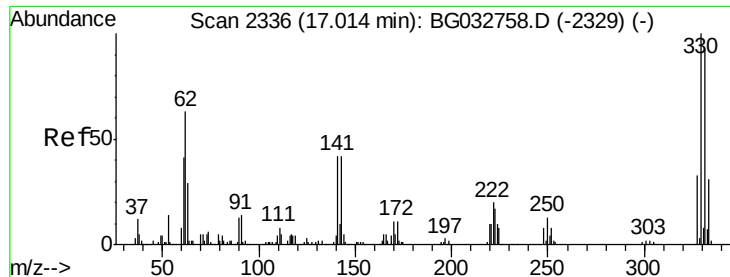
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.54 min Scan# 2085
 Delta R.T. -0.01 min
 Lab File: BG032806.D
 Acq: 24 Feb 2018 1:12

Tgt Ion:164 Resp: 140298
 Ion Ratio Lower Upper
 164 100
 162 105.8 78.8 118.2
 160 46.7 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

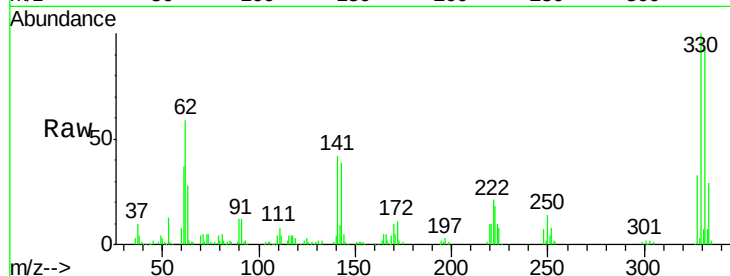




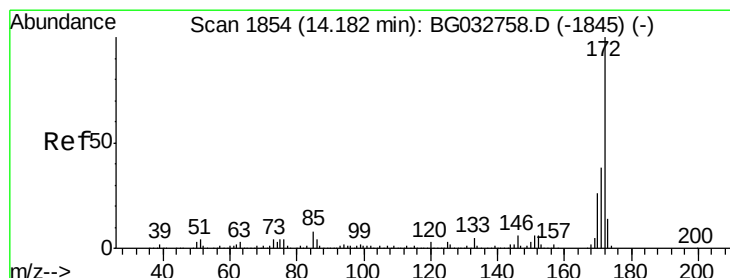
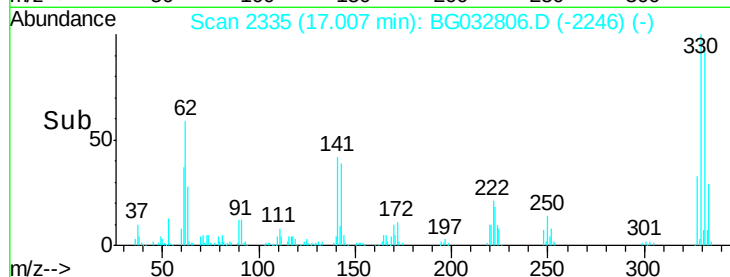
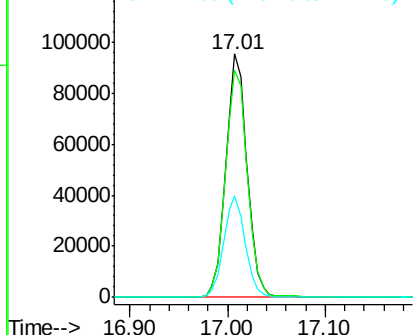
#41
 2,4,6-Tribromophenol
 Concen: 97.54 ng
 RT: 17.01 min Scan# 2335
 Delta R.T. -0.01 min
 Lab File: BG032806.D
 Acq: 24 Feb 2018 1:12

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 143892
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 41.8 25.2 37.8#

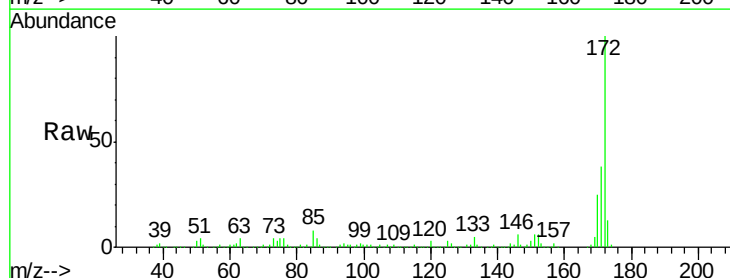


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

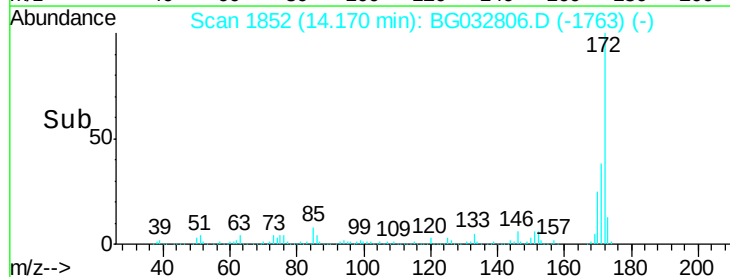
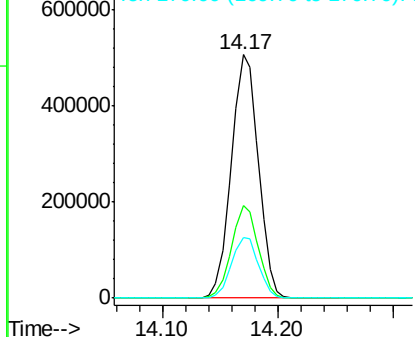


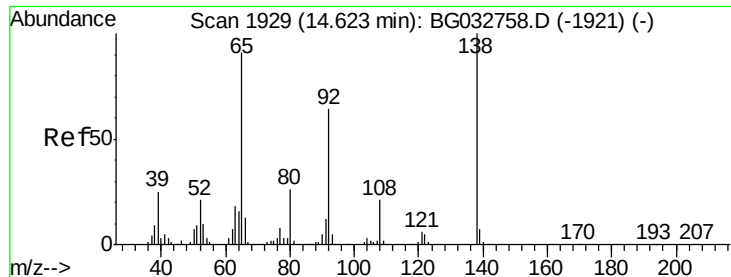
#44
 2-Fluorobiphenyl
 Concen: 84.46 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BG032806.D
 Acq: 24 Feb 2018 1:12

Tgt Ion:172 Resp: 821580
 Ion Ratio Lower Upper
 172 100
 171 37.9 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

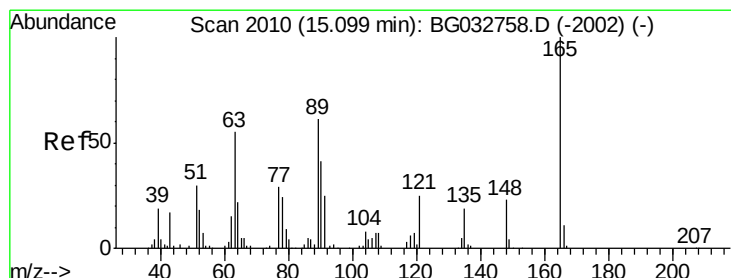
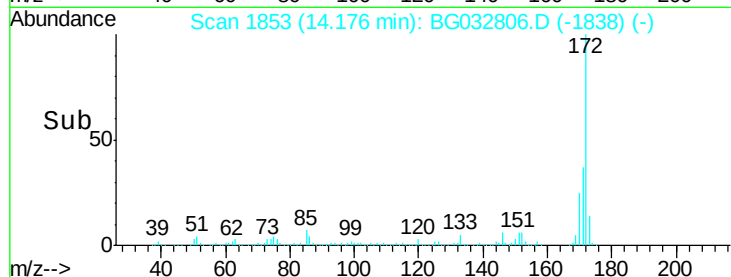
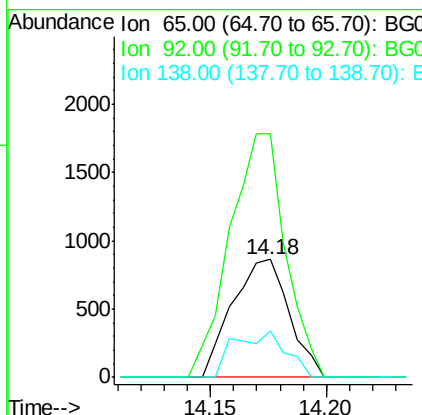
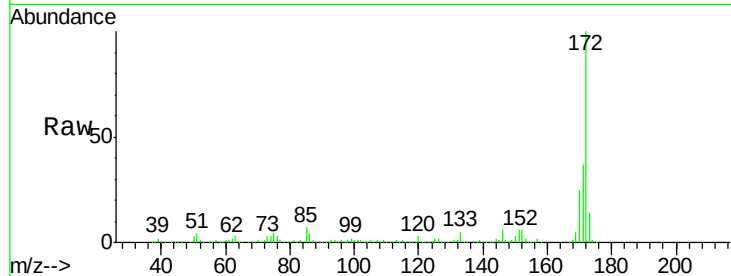




#47
2-Nitroaniline
Concen: 10.34 ng
RT: 14.18 min Scan# 1853
Delta R.T. -0.44 min
Lab File: BG032806.D
Acq: 24 Feb 2018 1:12

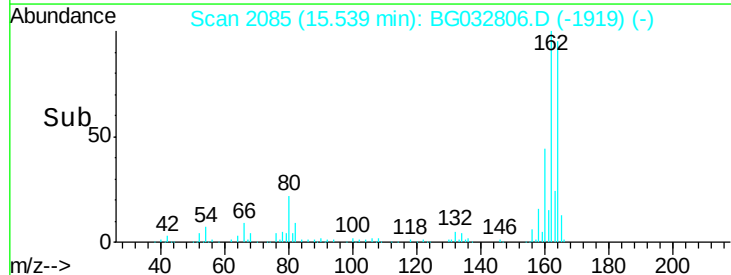
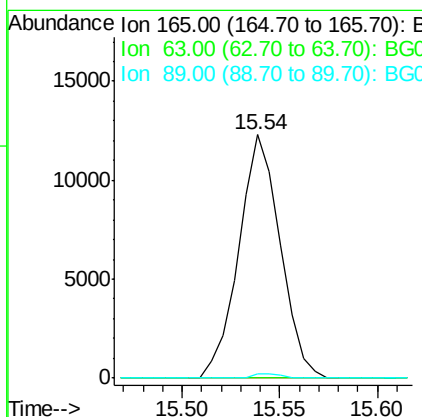
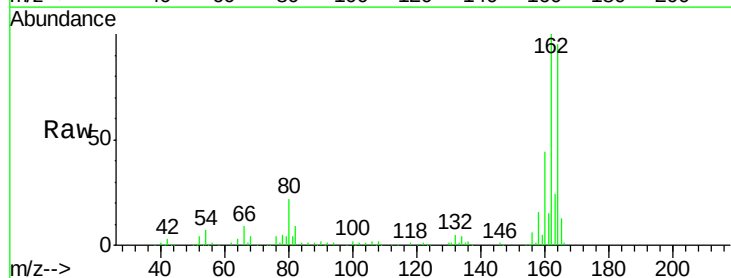
Instrument :
BNA_G
ClientSampleId :

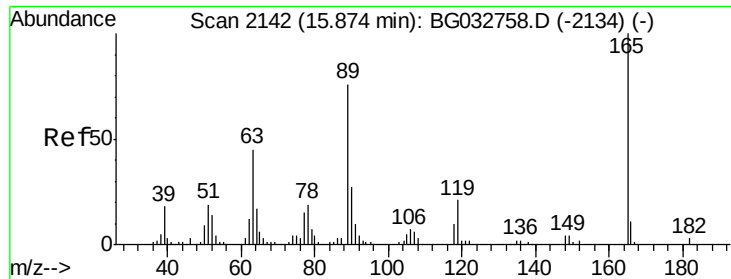
Tot Ion: 65 Resp: 1475
Ion Ratio Lower Upper
65 100
92 206.0 54.6 82.0#
138 39.1 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.34 ng
RT: 15.54 min Scan# 2085
Delta R.T. 0.45 min
Lab File: BG032806.D
Acq: 24 Feb 2018 1:12

Tgt Ion:165 Resp: 18007
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 1.9 49.2 73.8#

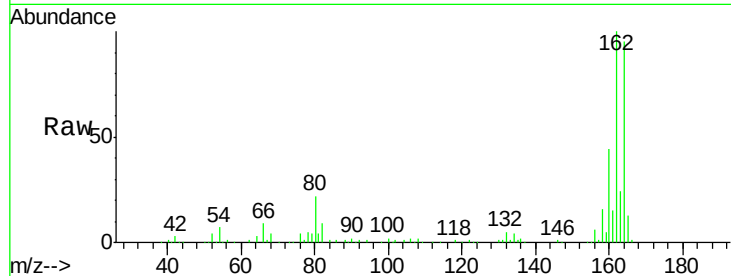




#56
2,4-Dinitrotoluene
Concen: 14.54 ng
RT: 15.54 min Scan# 2085
Delta R.T. -0.33 min
Lab File: BG032806.D
Acq: 24 Feb 2018 1:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	165	Resp:	18007
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#

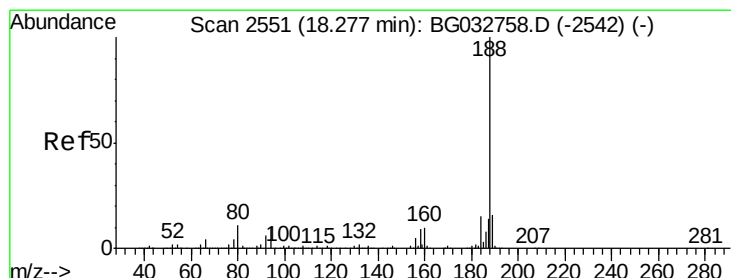
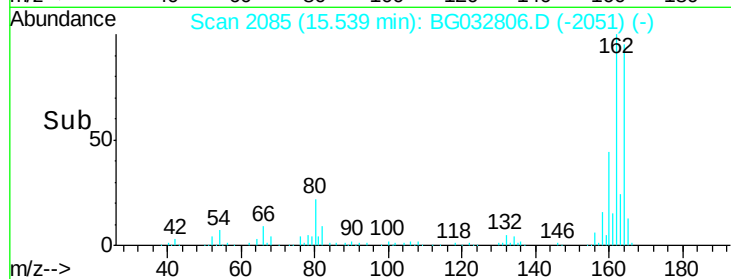
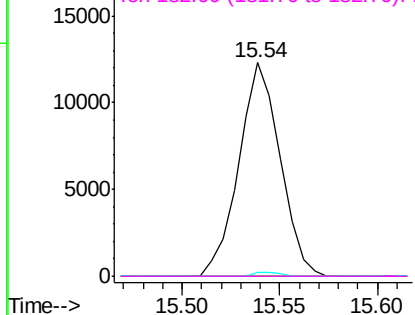


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

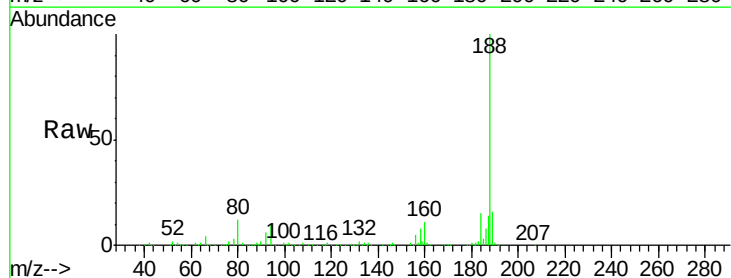
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.27 min Scan# 2550
Delta R.T. -0.00 min
Lab File: BG032806.D
Acq: 24 Feb 2018 1:12

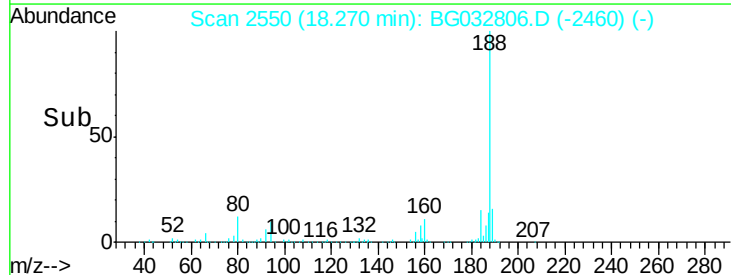
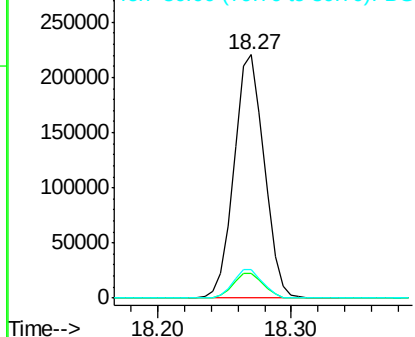
Tgt Ion:	188	Resp:	345789
Ion	Ratio	Lower	Upper
188	100		
94	10.2	6.9	10.3
80	11.9	7.7	11.5#

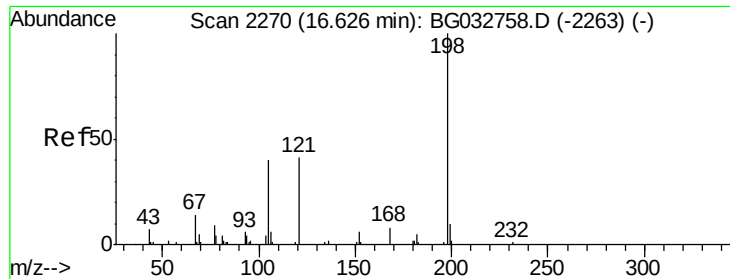


Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.42 ng

RT: 17.01 min Scan# 2335

Delta R.T. 0.38 min

Lab File: BG032806.D

Acq: 24 Feb 2018 1:12

Instrument :

BNA_G

ClientSampleId :

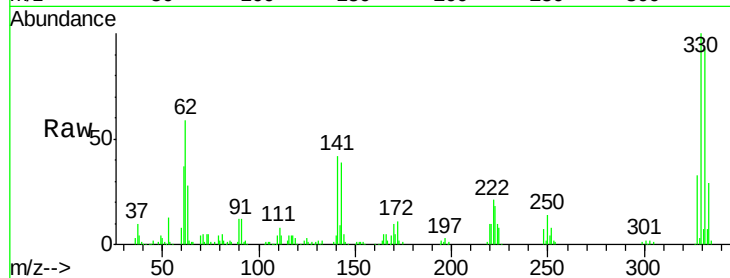
Tot Ion:198 Resp: 385

Ion Ratio Lower Upper

198 100

51 133.7 30.6 70.6#

105 129.4 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

17.01

17.01

17.01

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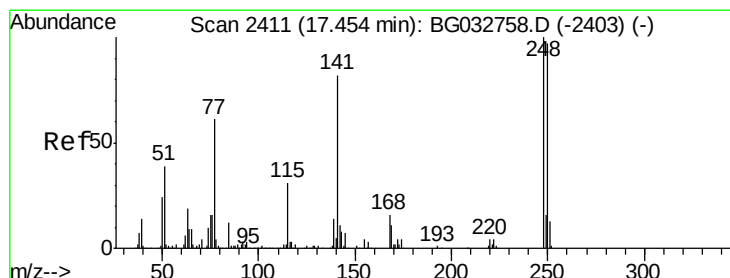
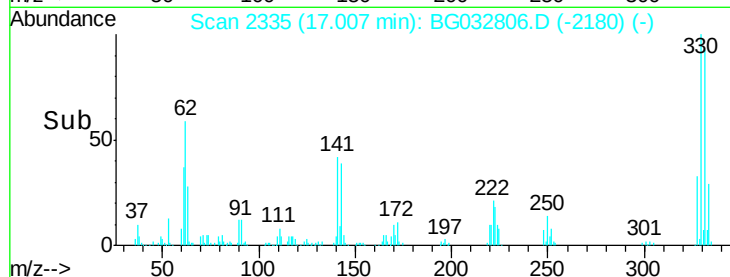
17.01

17.01

17.01

17.01

17.01



#66

4-Bromophenyl-phenylether

Concen: 2.72 ng

RT: 17.01 min Scan# 2335

Delta R.T. -0.44 min

Lab File: BG032806.D

Acq: 24 Feb 2018 1:12

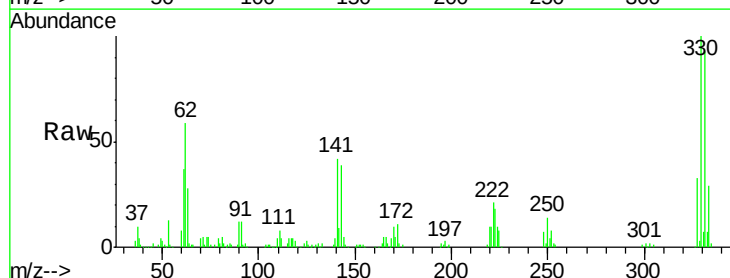
Tgt Ion:248 Resp: 9928

Ion Ratio Lower Upper

248 100

250 198.3 77.1 115.7#

141 598.8 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

17.01

17.01

17.01

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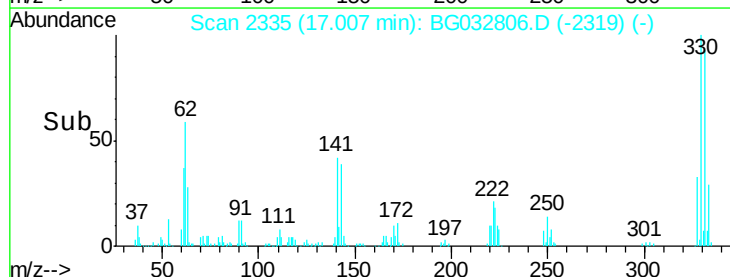
17.01

17.01

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17.01



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

17.01

17.01

17.01

17.01

17.01

17.01

17.01

17.01

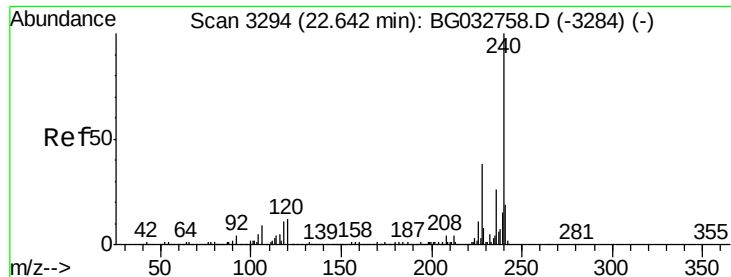
17.01

17.01

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17.01

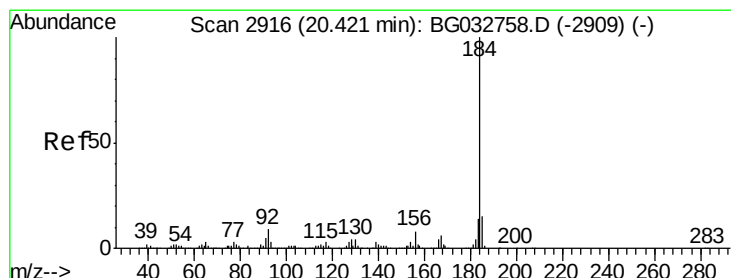
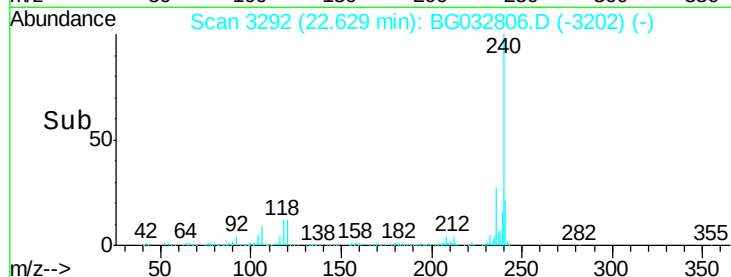
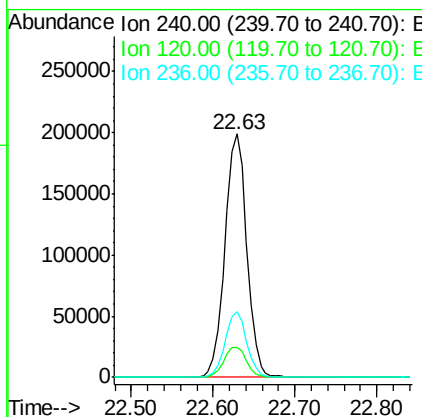
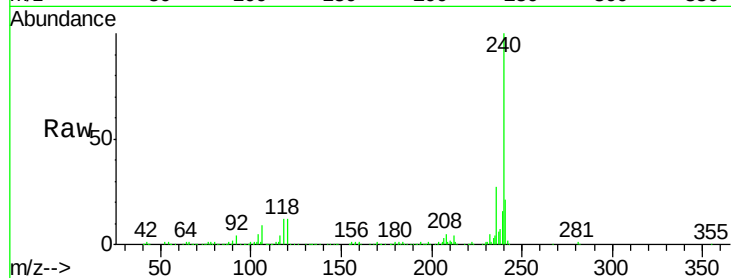
17.01



#75
 Chrvsene-d12
 Concen: 20.00 ng
 RT: 22.63 min Scan# 3292
 Delta R.T. -0.00 min
 Lab File: BG032806.D
 Acq: 24 Feb 2018 1:12

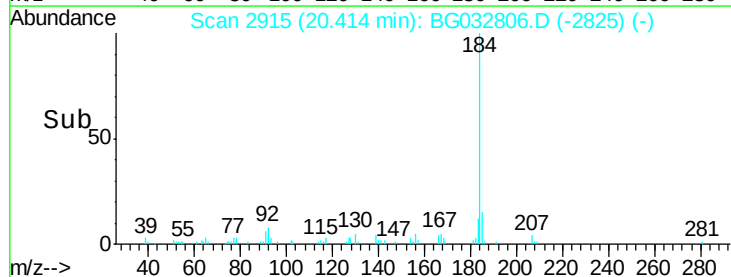
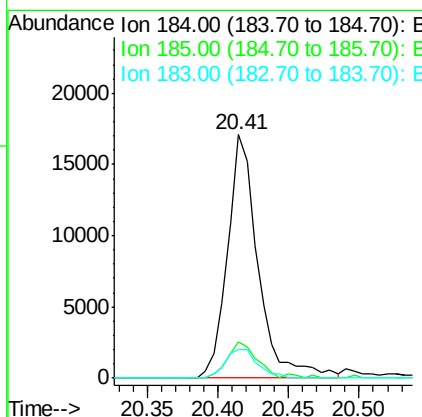
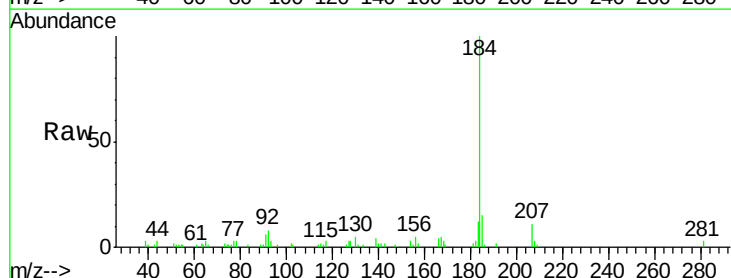
Instrument :
 BNA_G
 ClientSampleId :

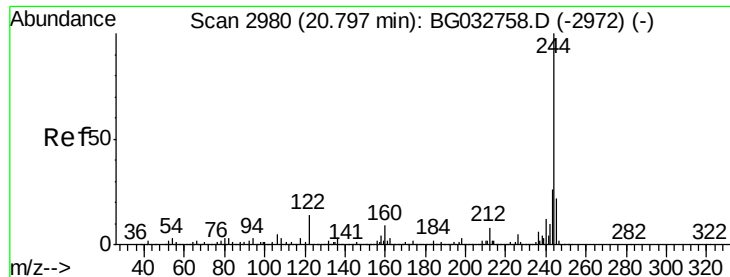
Tot Ion:240 Resp: 370798
 Ion Ratio Lower Upper
 240 100
 120 12.1 6.8 10.2#
 236 27.2 20.9 31.3



#76
 Benzidine
 Concen: 2.04 ng
 RT: 20.41 min Scan# 2915
 Delta R.T. -0.00 min
 Lab File: BG032806.D
 Acq: 24 Feb 2018 1:12

Tgt Ion:184 Resp: 25843
 Ion Ratio Lower Upper
 184 100
 185 14.8 11.1 16.7
 183 11.9 10.6 16.0





#78

Terphenyl-d14

Concen: 81.52 ng

RT: 20.79 min Scan# 2979

Delta R.T. -0.00 min

Lab File: BG032806.D

Acq: 24 Feb 2018 1:12

Instrument :

BNA_G

ClientSampleId :

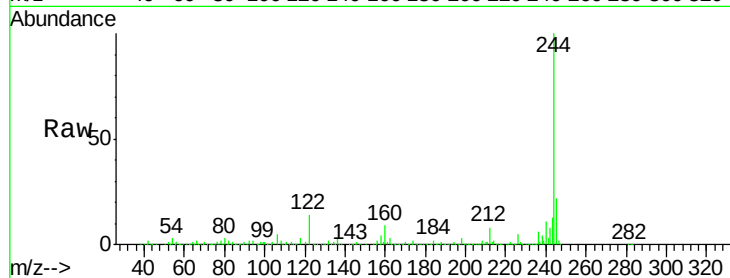
Tot Ion:244 Resp: 1345466

Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.8

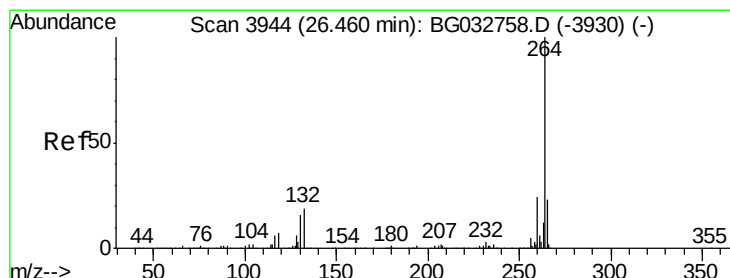
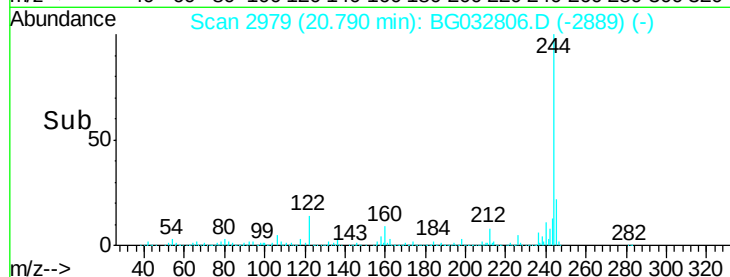
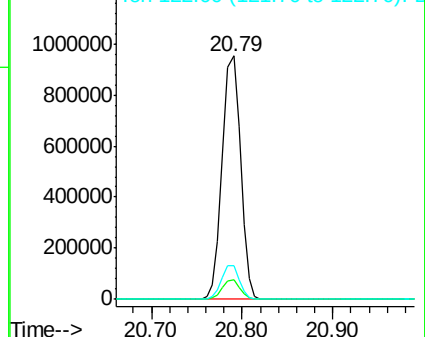
122 13.7 7.0 10.4#



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: 20.00 ng

RT: 26.45 min Scan# 3942

Delta R.T. -0.00 min

Lab File: BG032806.D

Acq: 24 Feb 2018 1:12

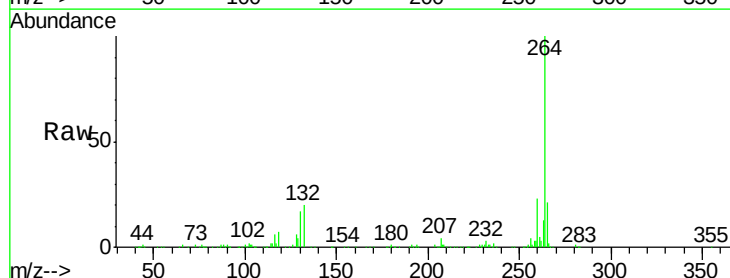
Tgt Ion:264 Resp: 396420

Ion Ratio Lower Upper

264 100

260 23.2 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

