

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022618\
 Data File : BG032840.D
 Acq On : 27 Feb 2018 3:11
 Operator : SJ/JU
 Sample : J1691-24
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 27 05:59:27 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

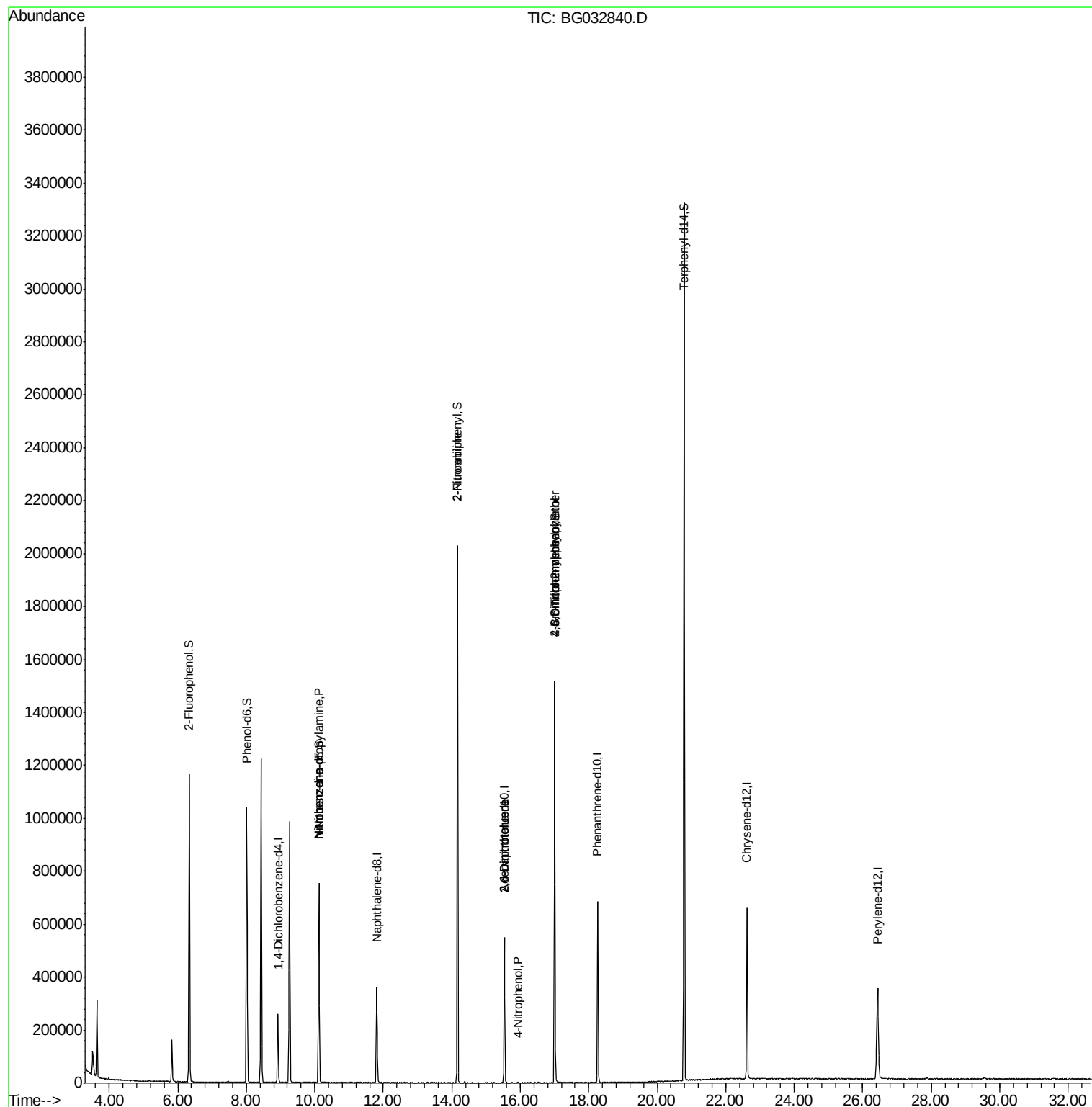
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	77900	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	331016	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	184577	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	420736	20.00	ng	0.00
75) Chrysene-d12	22.62	240	402732	20.00	ng	-0.01
86) Perylene-d12	26.43	264	412972	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.34	112	559175	114.84	ng	0.00
7) Phenol-d6	8.02	99	670300	98.76	ng	0.00
23) Nitrobenzene-d5	10.12	82	472023	97.33	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	263027	135.53	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1073943	83.92	ng	0.00
78) Terphenyl-d14	20.78	244	1500945	83.73	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.12	70	59757	12.47	ng	# 81
24) Nitrobenzene	10.12	77	1200	6.58	ng	# 42
47) 2-Nitroaniline	14.17	65	1743	10.29	ng	# 10
50) 2,6-Dinitrotoluene	15.54	165	24349	16.54	ng	# 20
55) 4-Nitrophenol	15.94	139	184	7.15	ng	# 1
56) 2,4-Dinitrotoluene	15.54	165	24349	14.74	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.00	198	826	5.78	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	18841	4.24	ng	# 1

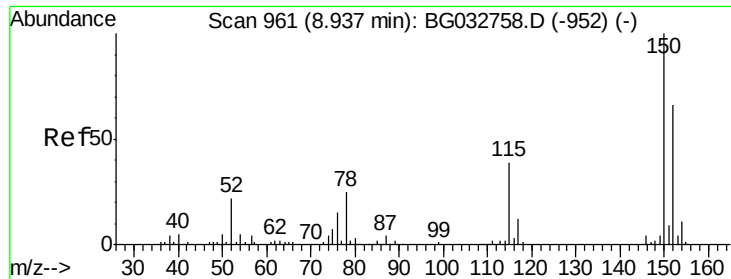
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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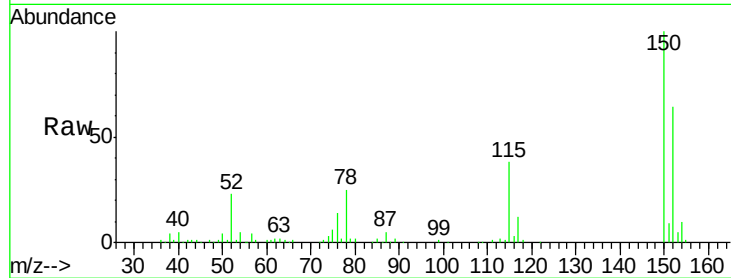


#1

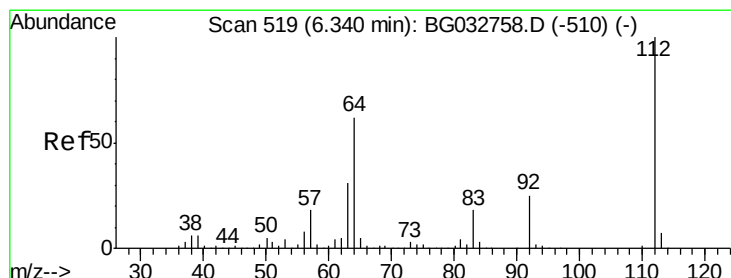
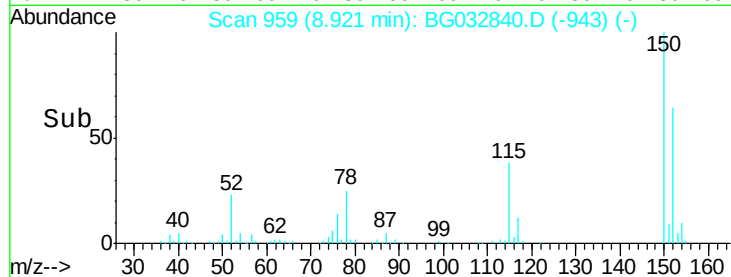
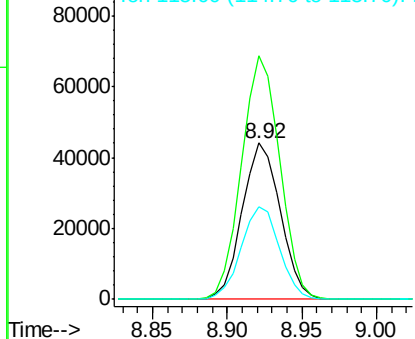
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.92 min Scan# 959
Delta R.T. -0.01 min
Lab File: BG032840.D
Acq: 27 Feb 2018 3:11

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 77900
Ion Ratio Lower Upper
152 100
150 156.0 126.6 189.8
115 59.3 53.0 79.4



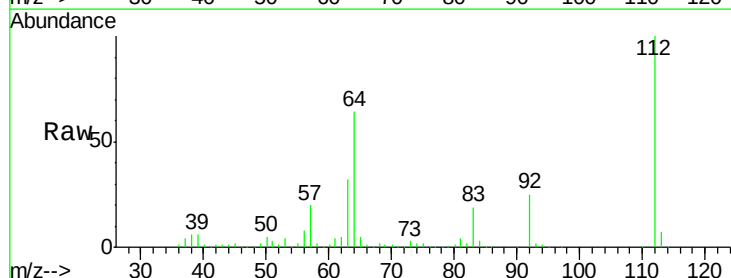
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



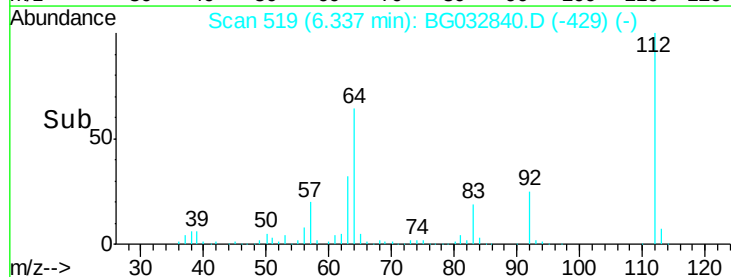
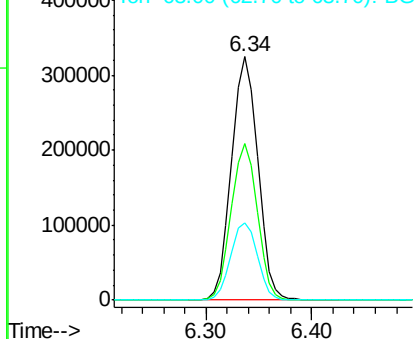
#5

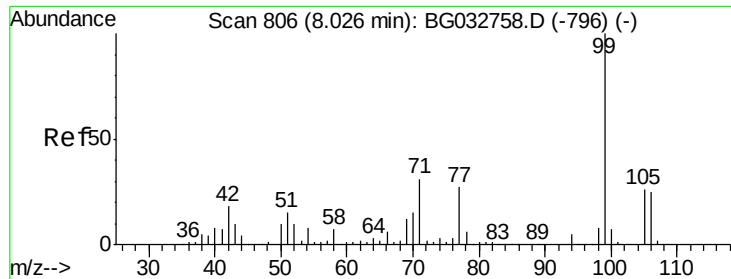
2-Fluorophenol
Concen: 114.84 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.00 min
Lab File: BG032840.D
Acq: 27 Feb 2018 3:11

Tgt Ion:112 Resp: 559175
Ion Ratio Lower Upper
112 100
64 64.1 56.3 84.5
63 31.9 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: 98.76 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG032840.D

Acq: 27 Feb 2018 3:11

Instrument :

BNA_F

ClientSampled :

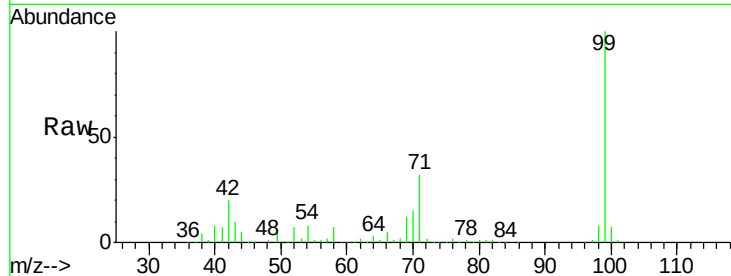
Tot Ion: 99 Resp: 670300

Ion Ratio Lower Upper

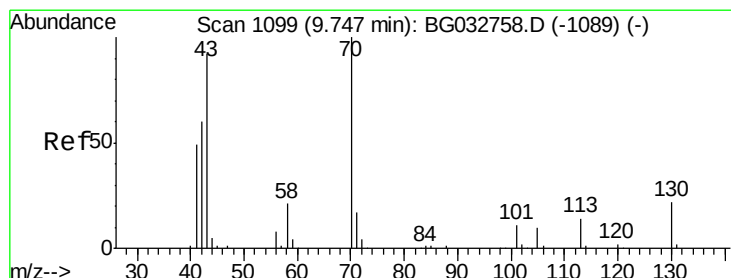
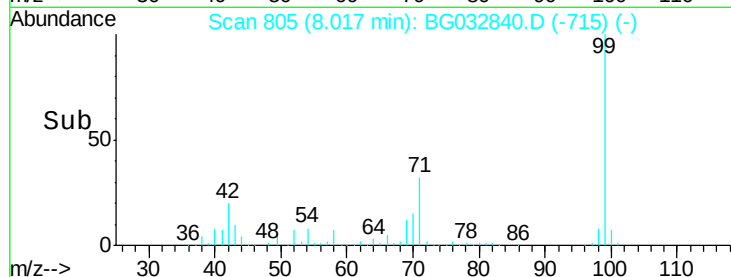
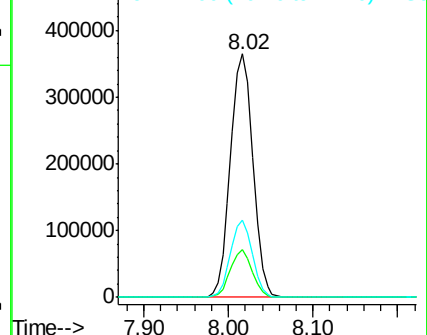
99 100

42 19.6 14.1 21.1

71 31.8 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: 12.47 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.38 min

Lab File: BG032840.D

Acq: 27 Feb 2018 3:11

Tgt Ion: 70 Resp: 59757

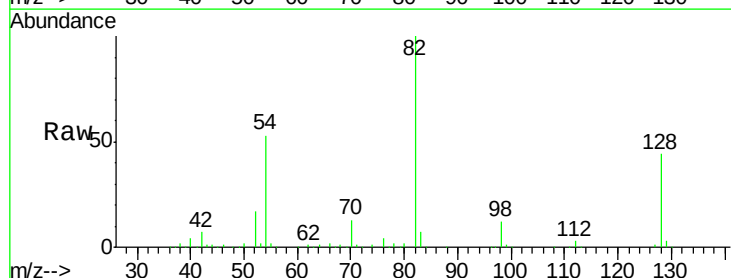
Ion Ratio Lower Upper

70 100

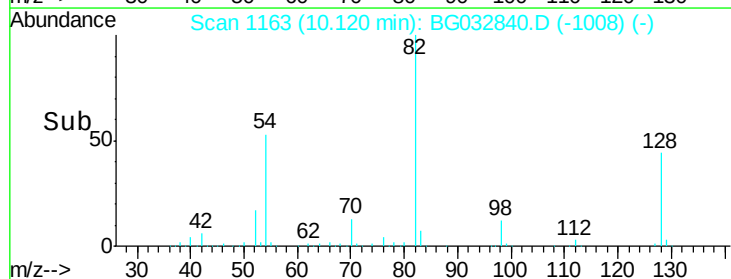
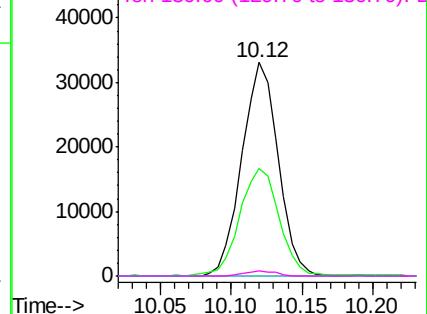
42 50.6 49.1 73.7

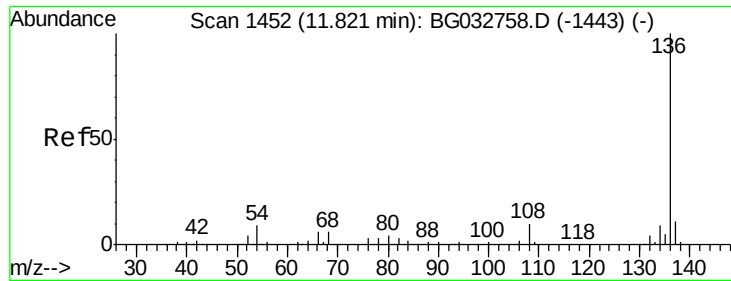
101 0.0 8.5 12.7#

130 2.6 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

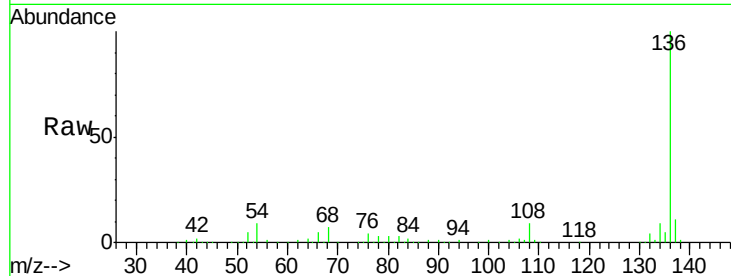




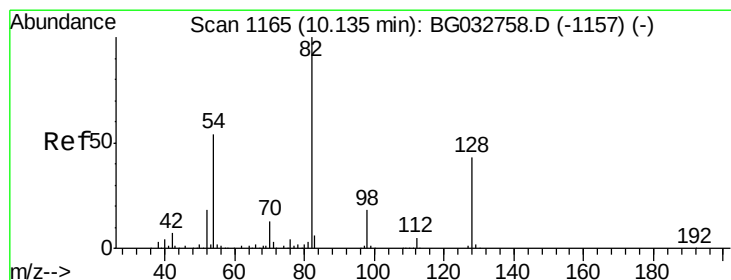
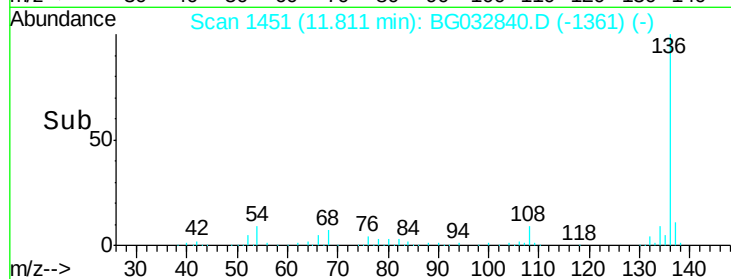
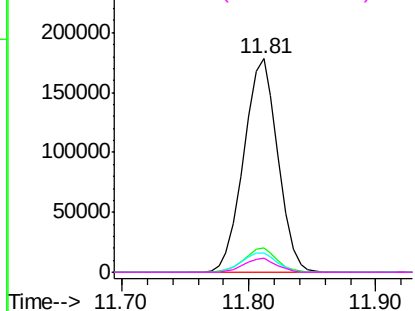
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.81 min Scan# 1451
Delta R.T. 0.00 min
Lab File: BG032840.D
Acq: 27 Feb 2018 3:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	331016
Ion Ratio	Lower	Upper
136	100	
137	11.1	9.2 13.8
54	8.8	10.3 15.5
68	6.5	4.5 6.7

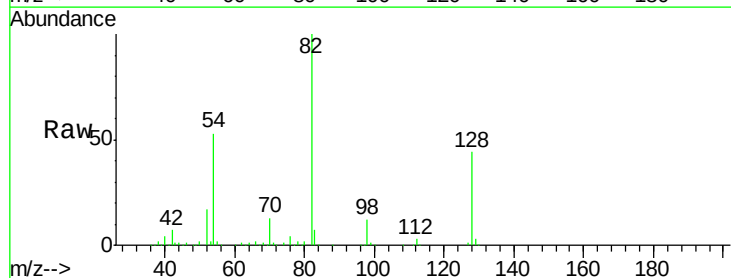


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

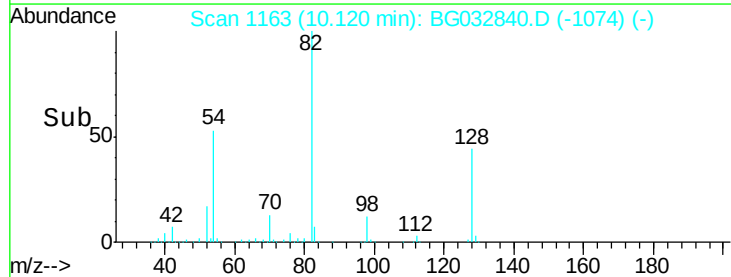
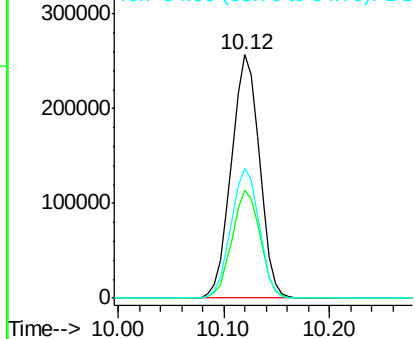


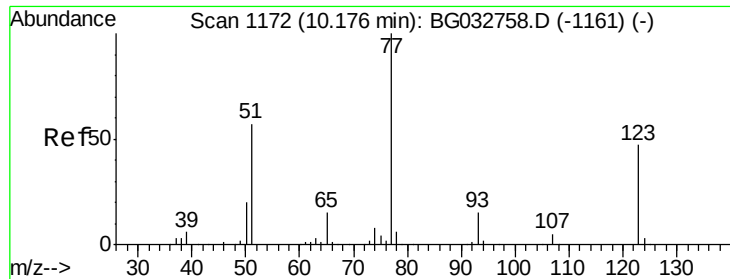
#23
Nitrobenzene-d5
Concen: 97.33 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BG032840.D
Acq: 27 Feb 2018 3:11

Tgt Ion: 82	Resp:	472023
Ion Ratio	Lower	Upper
82	100	
128	44.1	29.7 44.5
54	53.2	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

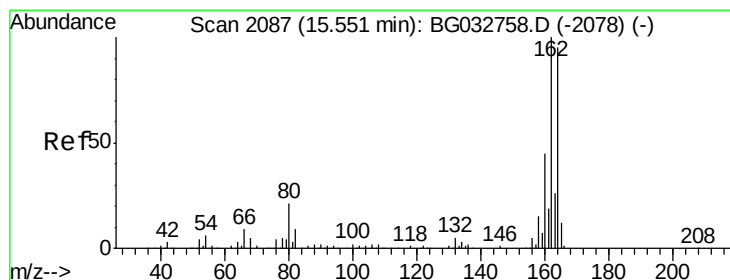
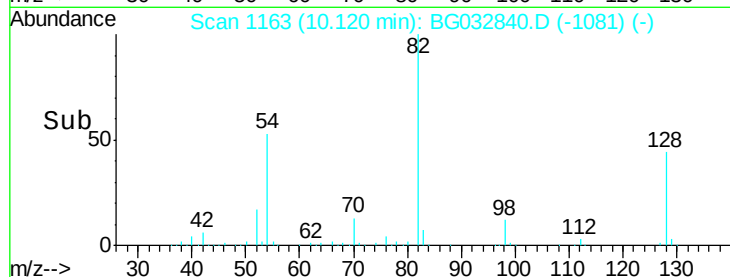
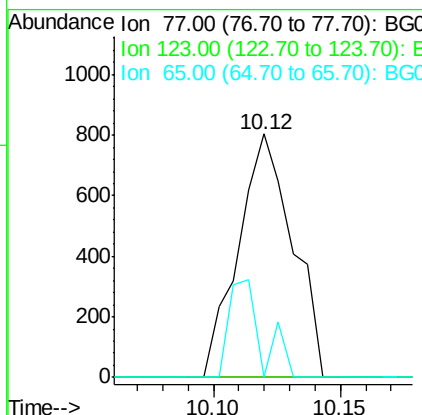
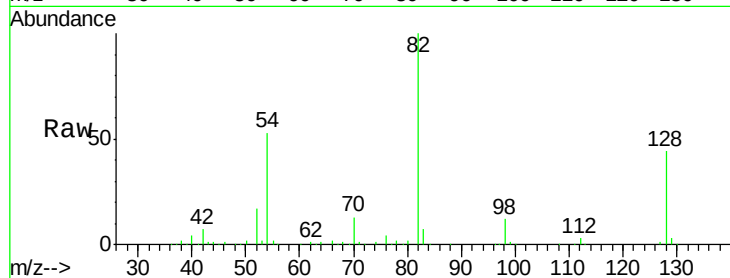




#24
Nitrobenzene
Concen: 6.58 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.05 min
Lab File: BG032840.D
Acq: 27 Feb 2018 3:11

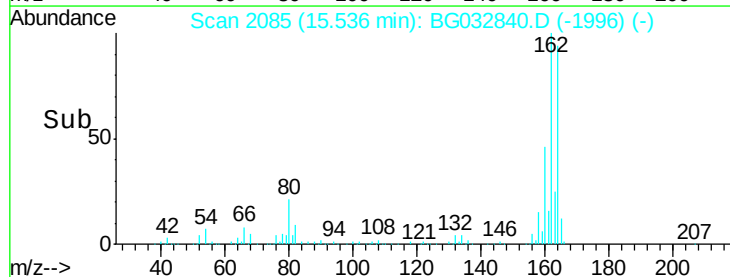
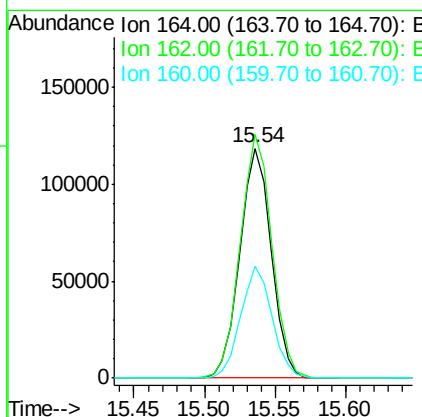
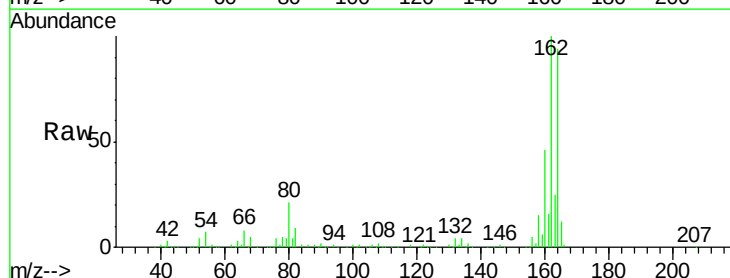
Instrument :
BNA_F
ClientSampleId :

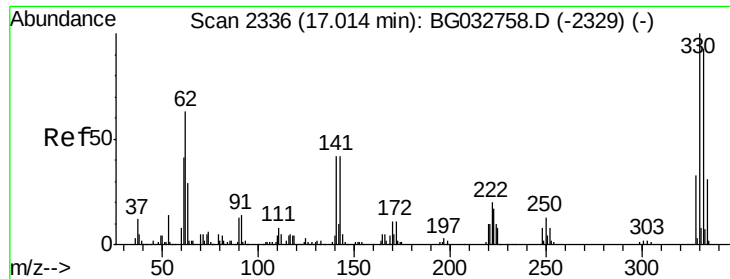
Tot Ion: 77 Resp: 1200
Ion Ratio Lower Upper
77 100
123 0.0 33.0 49.6#
65 0.0 13.0 19.6#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.54 min Scan# 2085
Delta R.T. -0.01 min
Lab File: BG032840.D
Acq: 27 Feb 2018 3:11

Tgt Ion:164 Resp: 184577
Ion Ratio Lower Upper
164 100
162 106.1 78.8 118.2
160 48.5 35.4 53.0

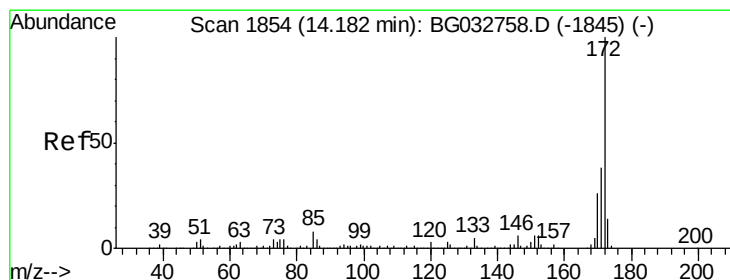
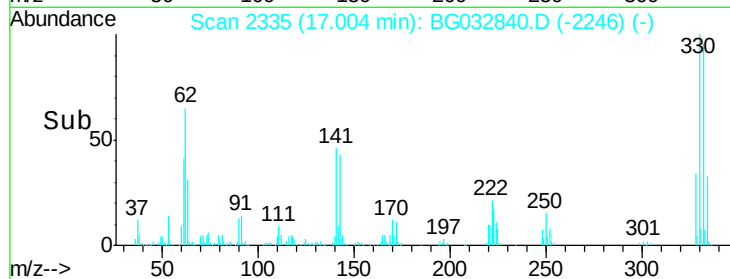
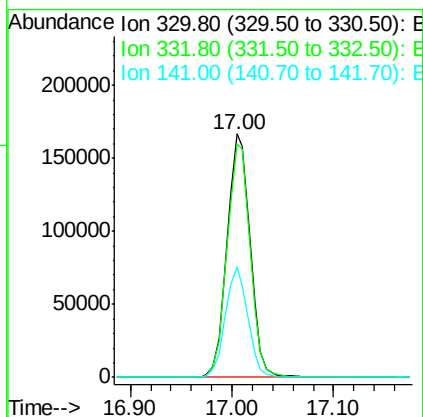
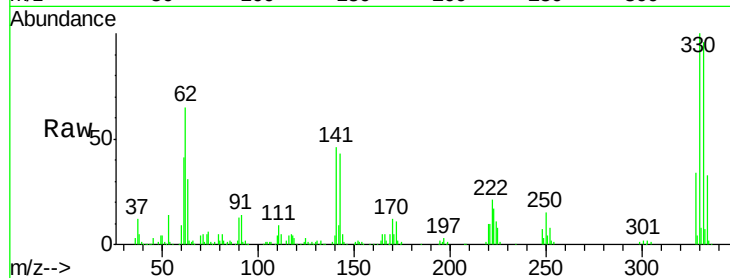




#41
 2,4,6-Tribromophenol
 Concen: 135.53 ng
 RT: 17.00 min Scan# 2335
 Delta R.T. -0.01 min
 Lab File: BG032840.D
 Acq: 27 Feb 2018 3:11

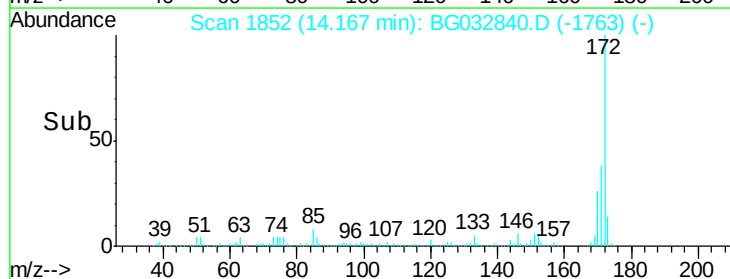
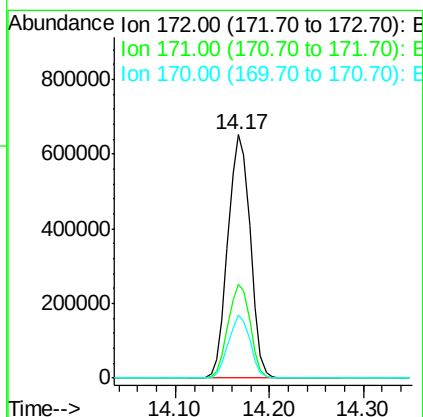
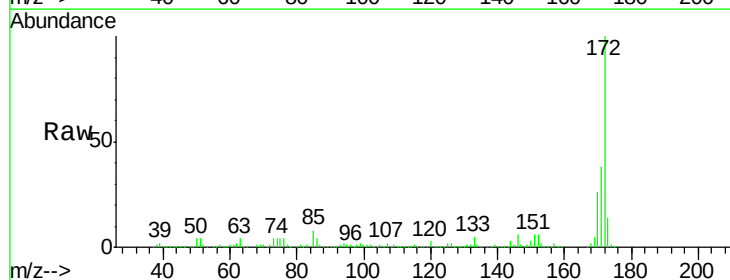
Instrument :
 BNA_F
 ClientSampled :

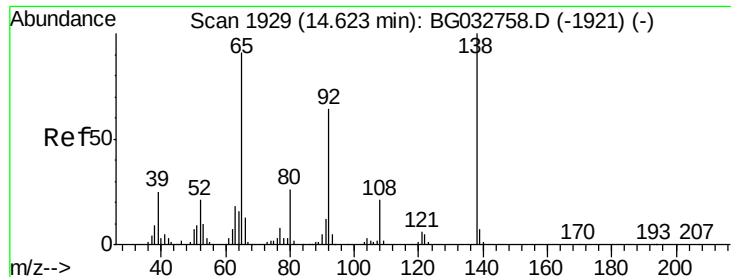
Tot Ion:330 Resp: 263027
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.0 115.6
 141 43.9 25.2 37.8#



#44
 2-Fluorobiphenyl
 Concen: 83.92 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BG032840.D
 Acq: 27 Feb 2018 3:11

Tgt Ion:172 Resp: 1073943
 Ion Ratio Lower Upper
 172 100
 171 38.4 30.0 45.0
 170 25.7 19.5 29.3

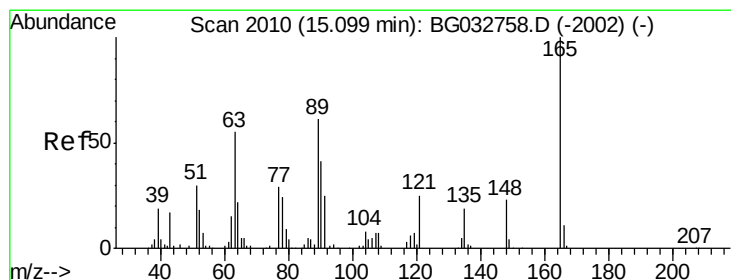
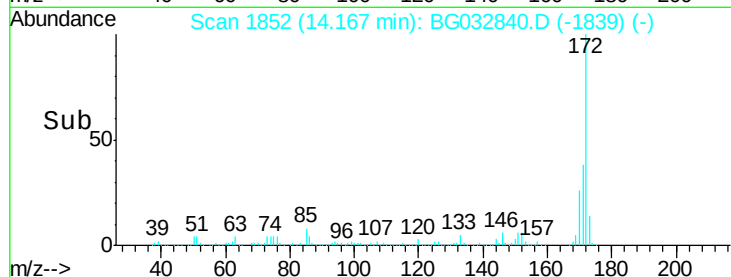
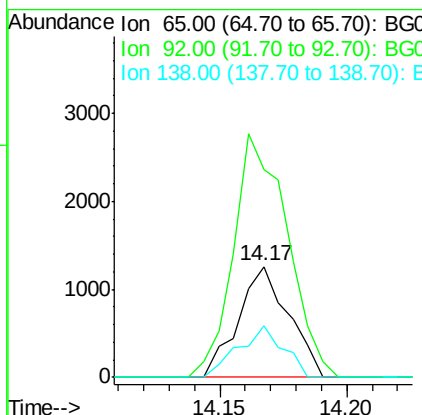
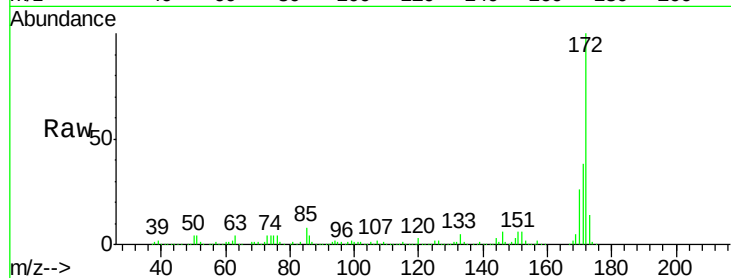




#47
2-Nitroaniline
Concen: 10.29 ng
RT: 14.17 min Scan# 1852
Delta R.T. -0.45 min
Lab File: BG032840.D
Acq: 27 Feb 2018 3:11

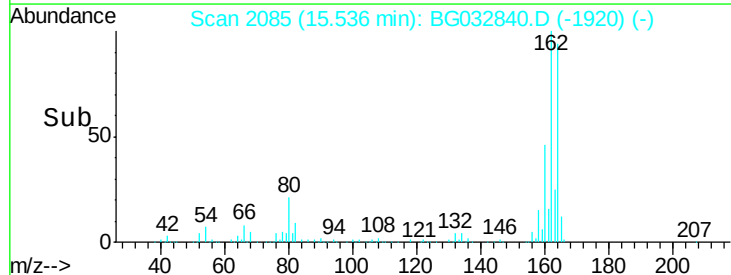
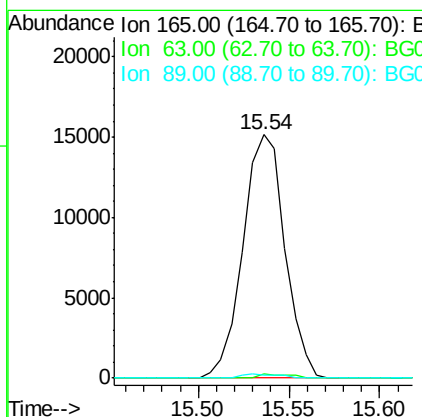
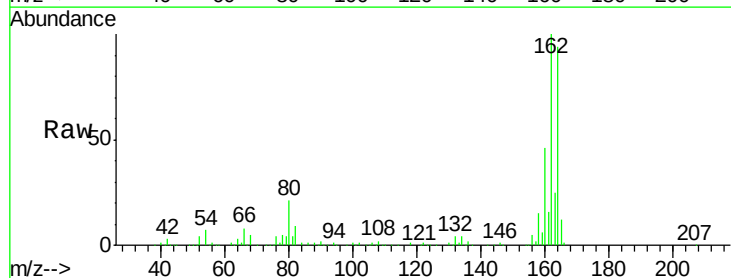
Instrument :
BNA_F
ClientSampleId :

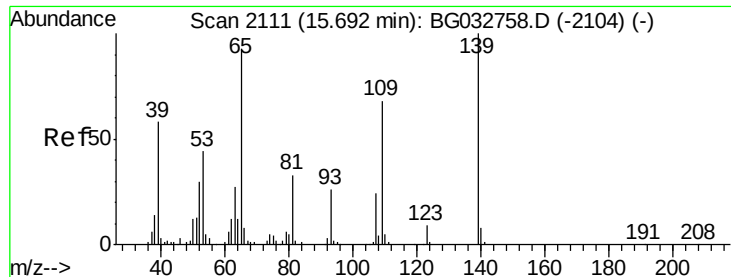
Tot Ion: 65 Resp: 1743
Ion Ratio Lower Upper
65 100
92 187.7 54.6 82.0#
138 46.5 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.54 ng
RT: 15.54 min Scan# 2085
Delta R.T. 0.44 min
Lab File: BG032840.D
Acq: 27 Feb 2018 3:11

Tgt Ion:165 Resp: 24349
Ion Ratio Lower Upper
165 100
63 1.6 52.7 79.1#
89 1.0 49.2 73.8#

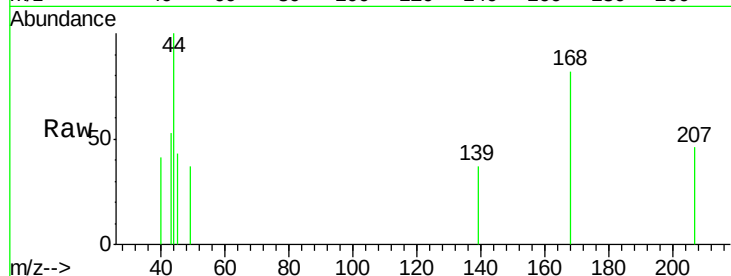




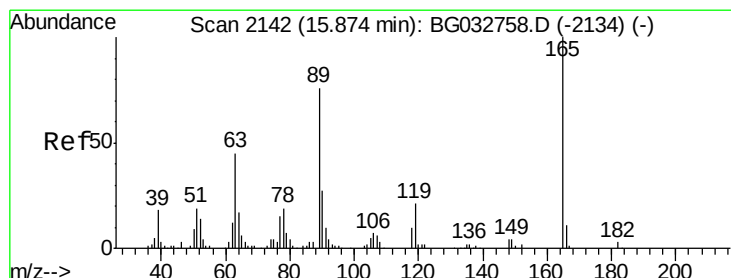
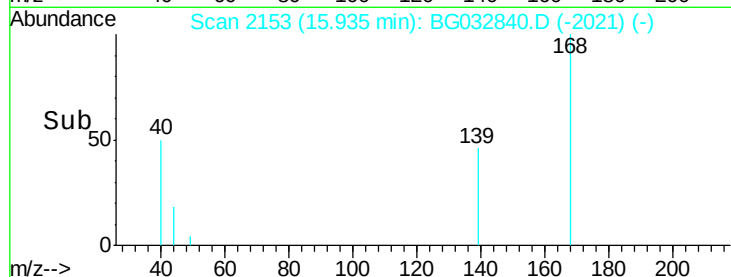
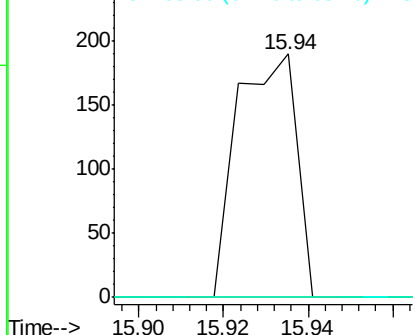
#55
4-Nitrophenol
Concen: 7.15 ng
RT: 15.94 min Scan# 2153
Delta R.T. 0.25 min
Lab File: BG032840.D
Acq: 27 Feb 2018 3:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 184
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#

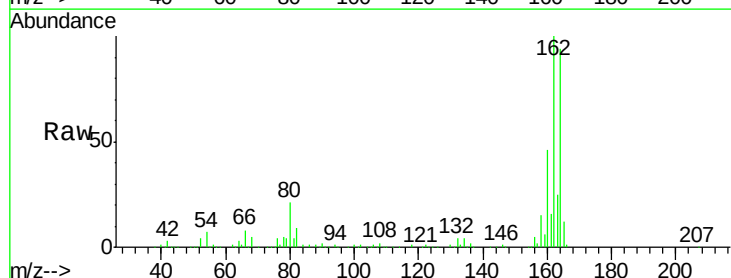


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): B

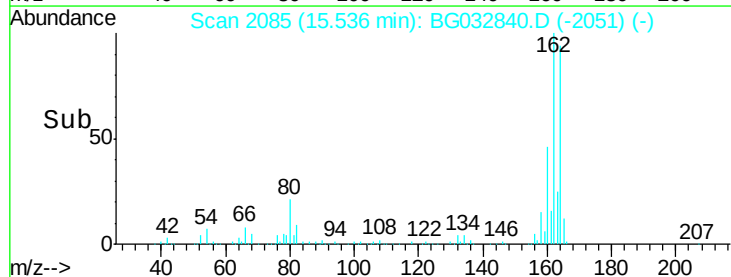
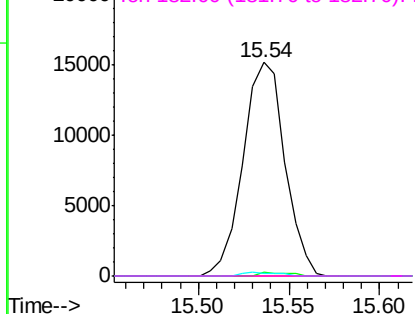


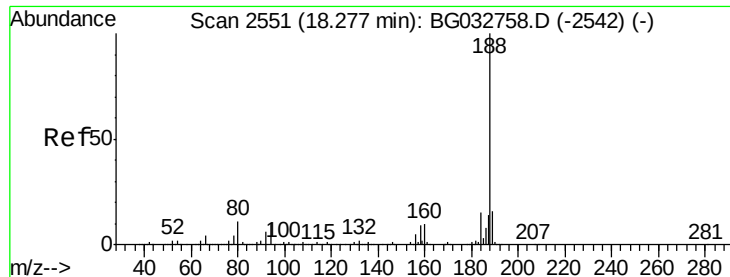
#56
2,4-Dinitrotoluene
Concen: 14.74 ng
RT: 15.54 min Scan# 2085
Delta R.T. -0.33 min
Lab File: BG032840.D
Acq: 27 Feb 2018 3:11

Tgt Ion:165 Resp: 24349
Ion Ratio Lower Upper
165 100
63 1.6 42.0 63.0#
89 1.0 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): B
Ion 89.00 (88.70 to 89.70): B
Ion 182.00 (181.70 to 182.70): E

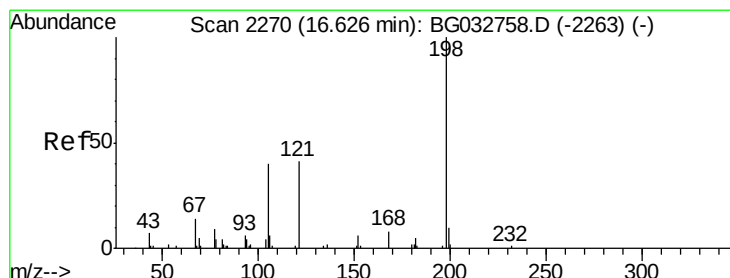
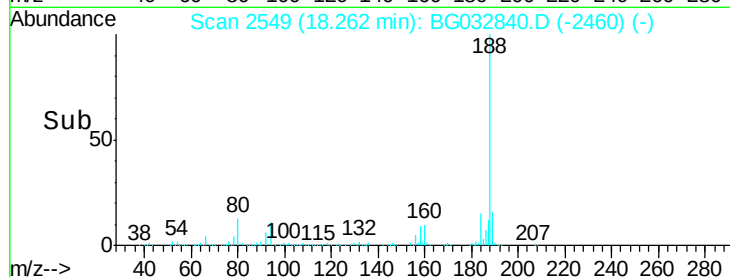
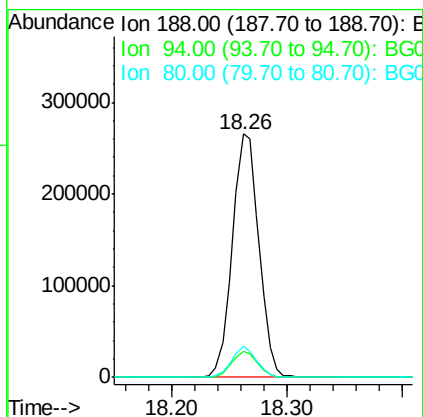
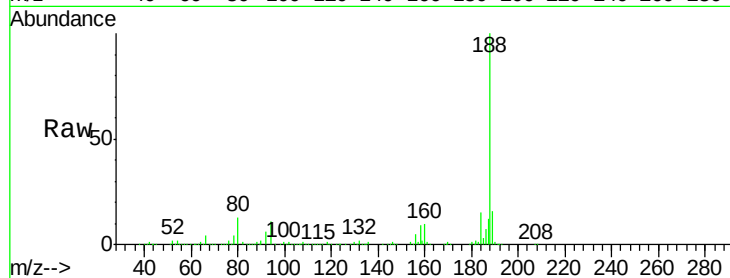




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 18.26 min Scan# 2549
 Delta R.T. -0.01 min
 Lab File: BG032840.D
 Acq: 27 Feb 2018 3:11

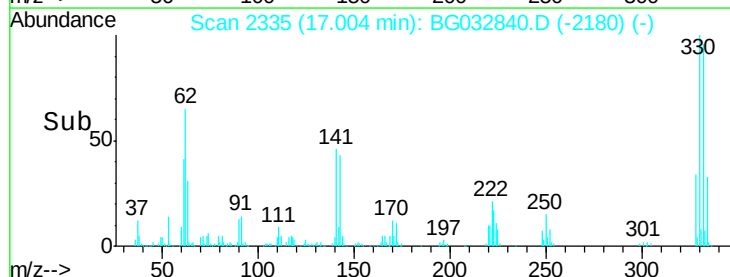
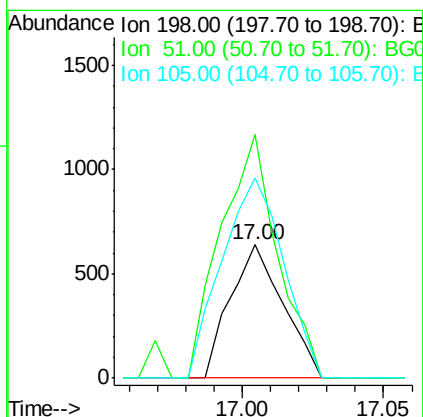
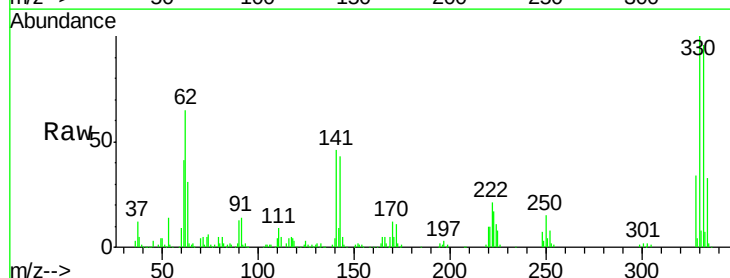
Instrument :
 BNA_F
 ClientSampleId :

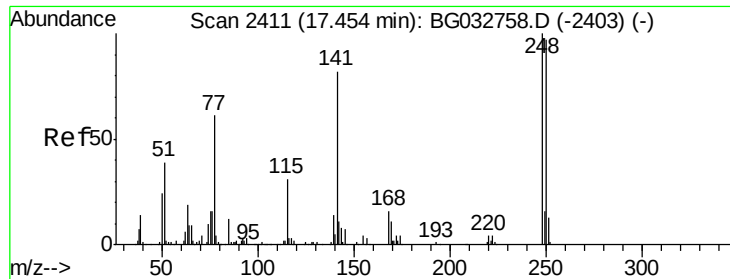
Tot Ion:188 Resp: 420736
 Ion Ratio Lower Upper
 188 100
 94 10.5 6.9 10.3#
 80 12.6 7.7 11.5#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.78 ng
 RT: 17.00 min Scan# 2335
 Delta R.T. 0.38 min
 Lab File: BG032840.D
 Acq: 27 Feb 2018 3:11

Tgt Ion:198 Resp: 826
 Ion Ratio Lower Upper
 198 100
 51 182.8 30.6 70.6#
 105 150.2 23.8 63.8#

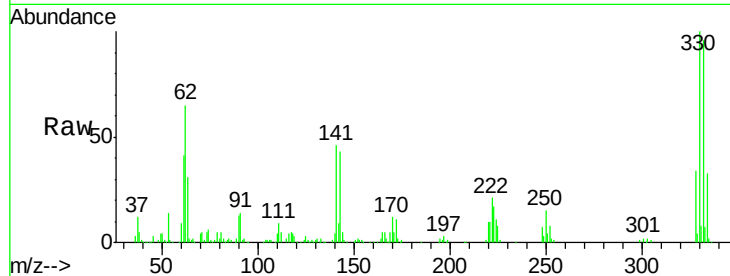




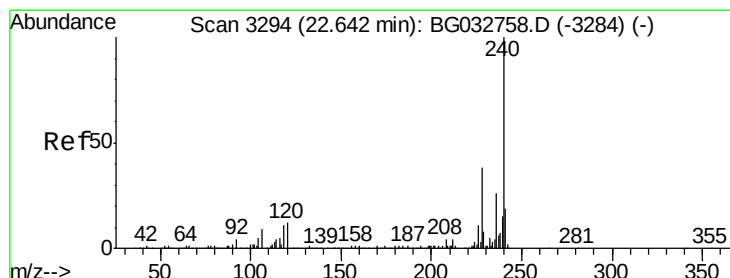
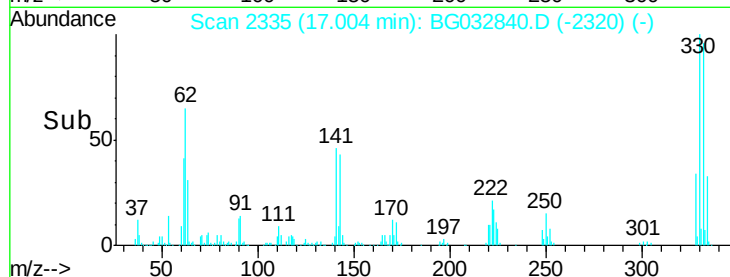
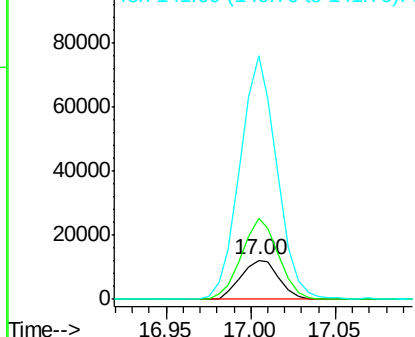
#66
 4-Bromophenyl-phenylether
 Concen: 4.24 ng
 RT: 17.00 min Scan# 2335
 Delta R.T. -0.44 min
 Lab File: BG032840.D
 Acq: 27 Feb 2018 3:11

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 18841
 Ion Ratio Lower Upper
 248 100
 250 209.0 77.1 115.7#
 141 623.1 50.8 76.2#

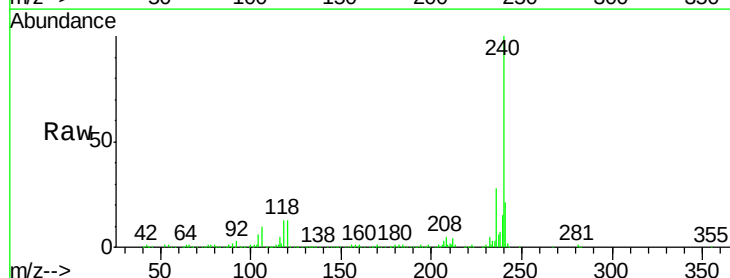


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

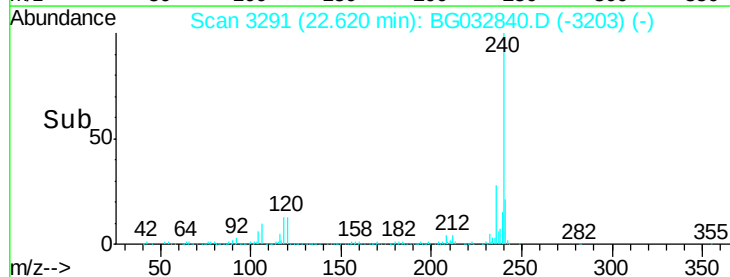
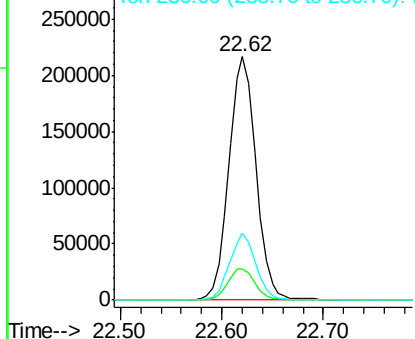


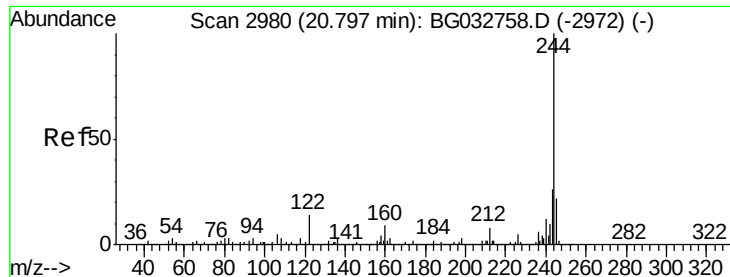
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 22.62 min Scan# 3291
 Delta R.T. -0.01 min
 Lab File: BG032840.D
 Acq: 27 Feb 2018 3:11

Tgt Ion:240 Resp: 402732
 Ion Ratio Lower Upper
 240 100
 120 13.1 6.8 10.2#
 236 27.8 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



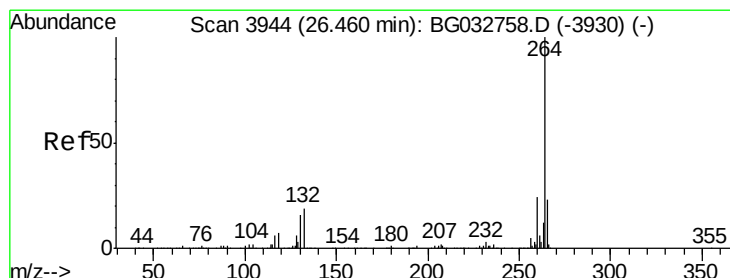
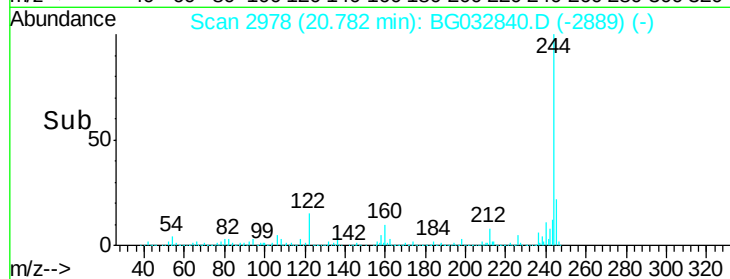
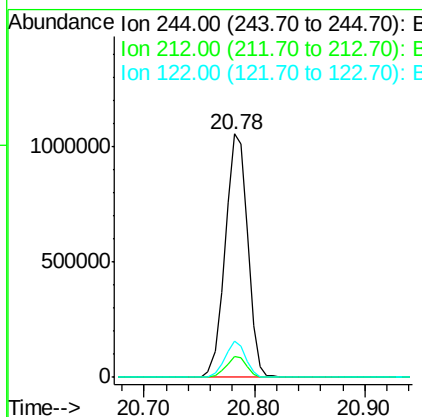
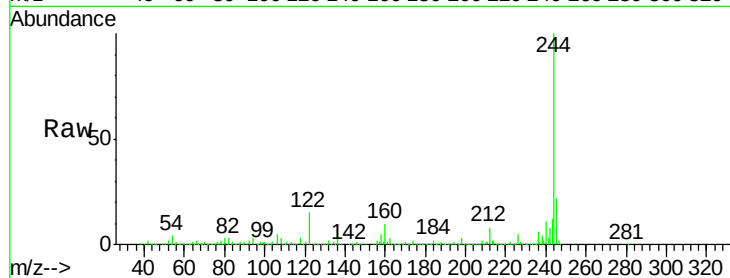


#78
 Terphenyl-d14
 Concen: 83.73 ng
 RT: 20.78 min Scan# 2978
 Delta R.T. -0.01 min
 Lab File: BG032840.D
 Acq: 27 Feb 2018 3:11

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 1500945

Ion	Ratio	Lower	Upper
244	100		
212	8.5	5.8	8.8
122	15.1	7.0	10.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 26.43 min Scan# 3940
 Delta R.T. -0.01 min
 Lab File: BG032840.D
 Acq: 27 Feb 2018 3:11

Tgt Ion:264 Resp: 412972

Ion	Ratio	Lower	Upper
264	100		
260	24.2	17.4	26.0
265	22.3	17.7	26.5

