

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022718\
 Data File : BG032876.D
 Acq On : 28 Feb 2018 5:16
 Operator : SJ/JU
 Sample : J1400-10
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 28 06:06:02 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	73638	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	311259	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	168043	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	387242	20.00	ng	0.00
75) Chrysene-d12	22.62	240	359567	20.00	ng	-0.01
86) Perylene-d12	26.43	264	364219	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.34	112	619882	134.68	ng	0.00
7) Phenol-d6	8.02	99	721569	112.47	ng	0.00
23) Nitrobenzene-d5	10.12	82	518274	111.99	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	249868	141.41	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1121438	96.25	ng	0.00
78) Terphenyl-d14	20.78	244	1606145	100.36	ng	0.00

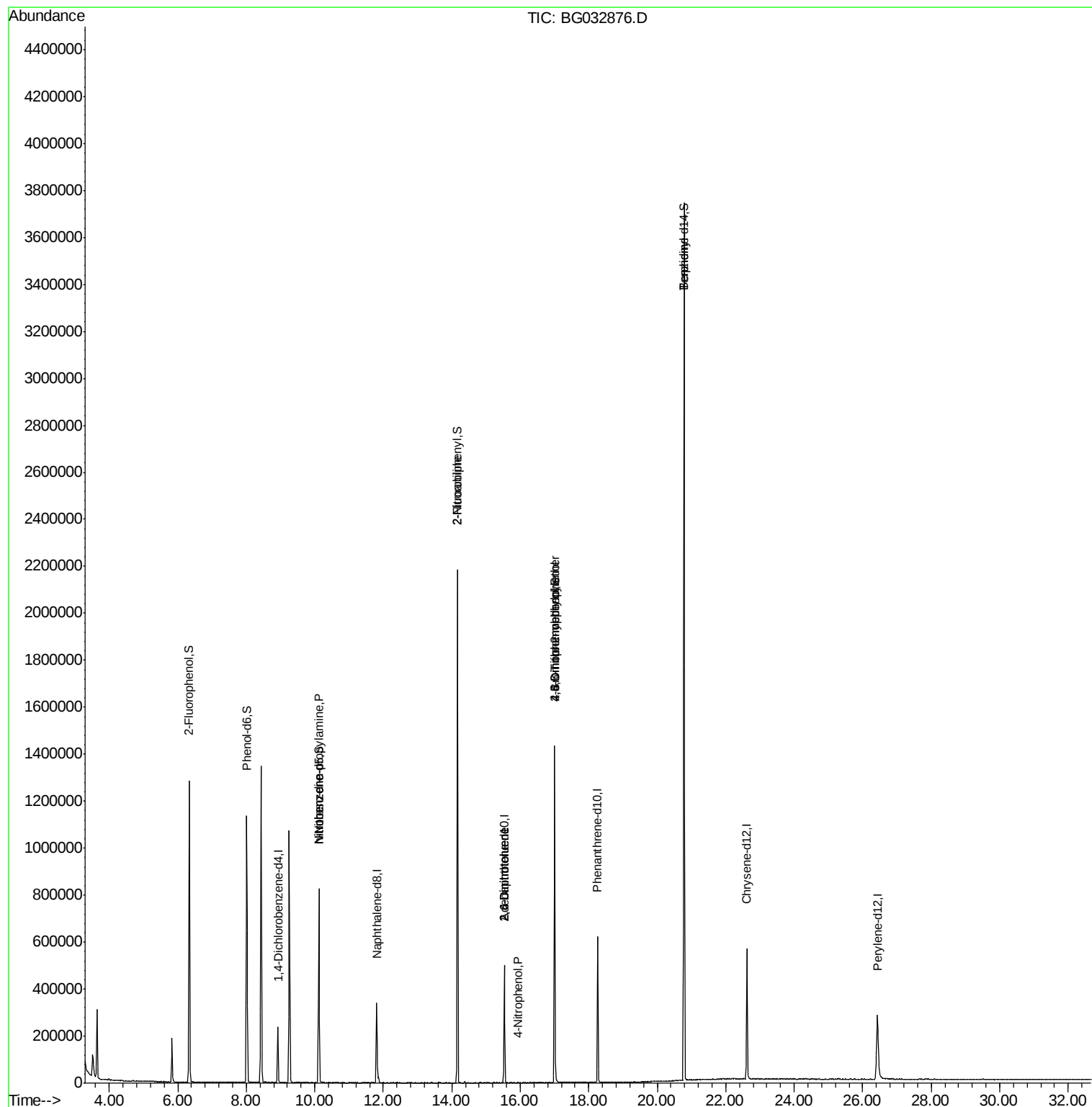
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.12	70	66660	14.72	ng	# 83
24) Nitrobenzene	10.11	77	1407	6.63	ng	# 44
47) 2-Nitroaniline	14.17	65	1831	10.36	ng	# 3
50) 2,6-Dinitrotoluene	15.54	165	21671	16.37	ng	# 20
55) 4-Nitrophenol	15.92	139	178	7.15	ng	# 1
56) 2,4-Dinitrotoluene	15.54	165	21671	14.57	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.00	198	693	5.71	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	18566	4.53	ng	# 1
76) Benzidine	20.78	184	27590	2.25	ng	# 93

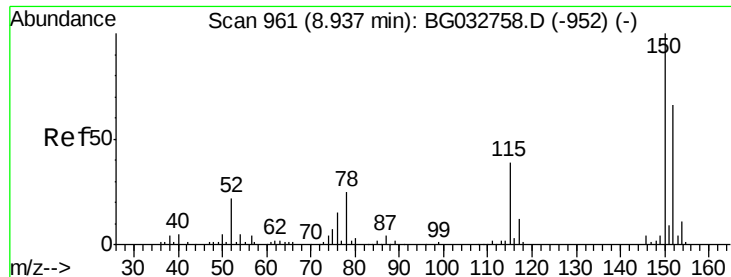
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG032876.D

Acq: 28 Feb 2018 5:16

Instrument :

BNA_F

ClientSampleId :

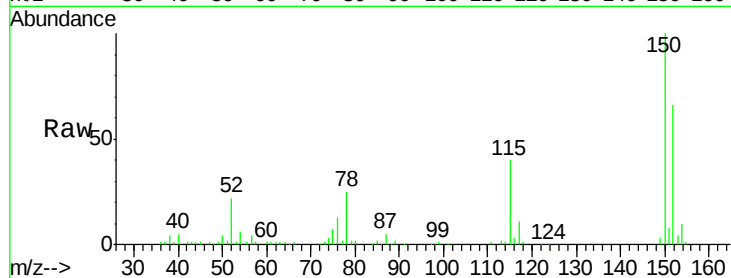
Tot Ion:152 Resp: 73638

Ion Ratio Lower Upper

152 100

150 151.9 126.6 189.8

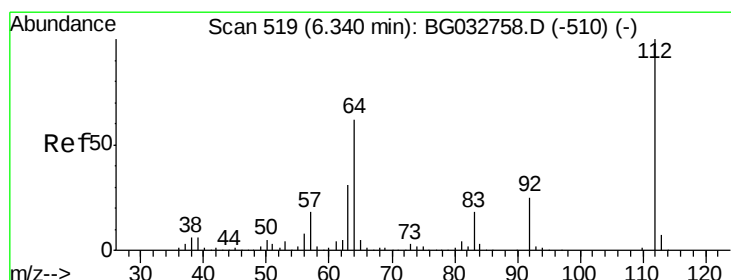
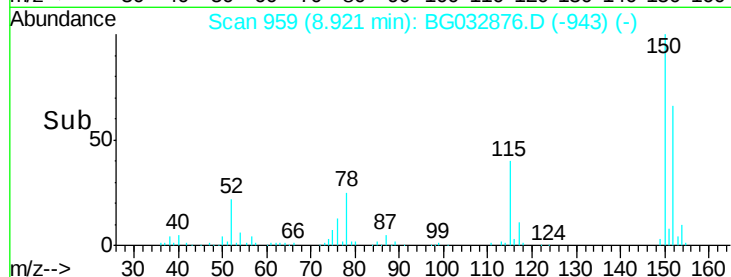
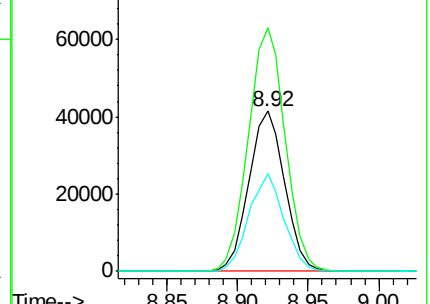
115 61.2 53.0 79.4



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: 134.68 ng

RT: 6.34 min Scan# 519

Delta R.T. 0.00 min

Lab File: BG032876.D

Acq: 28 Feb 2018 5:16

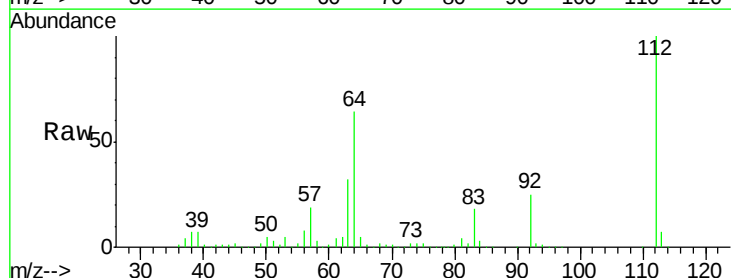
Tgt Ion:112 Resp: 619882

Ion Ratio Lower Upper

112 100

64 64.1 56.3 84.5

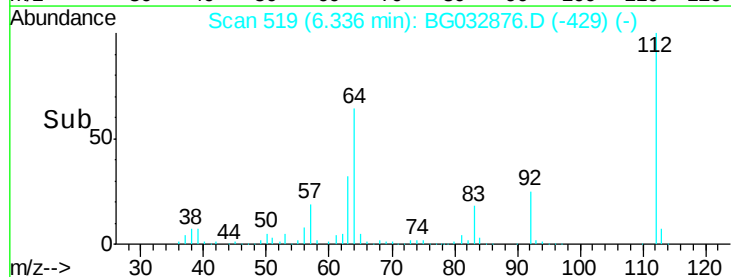
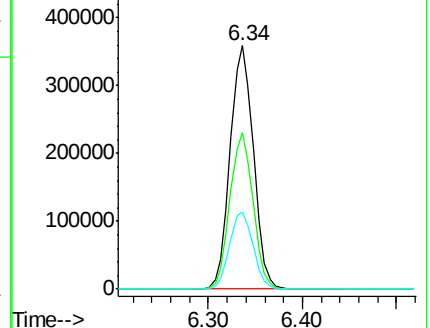
63 31.6 30.1 45.1

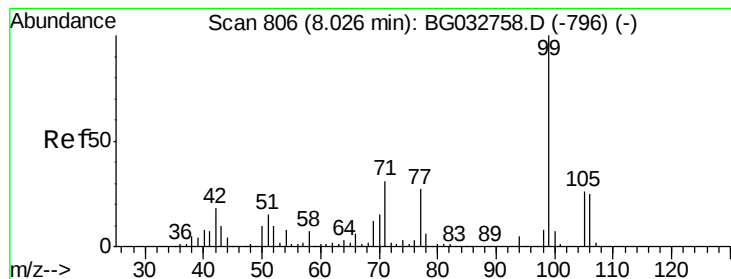


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 112.47 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG032876.D

Acq: 28 Feb 2018 5:16

Instrument :

BNA_F

ClientSampled :

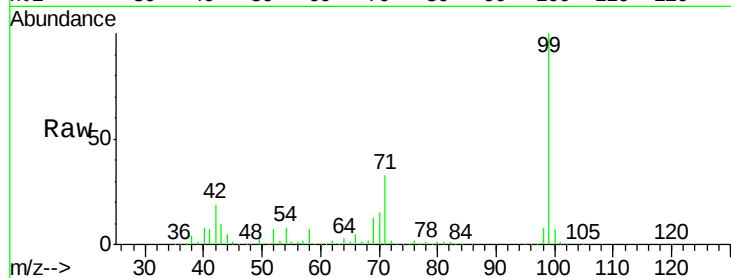
Tot Ion: 99 Resp: 721569

Ion Ratio Lower Upper

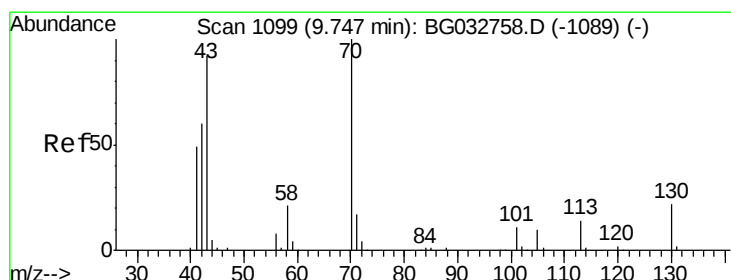
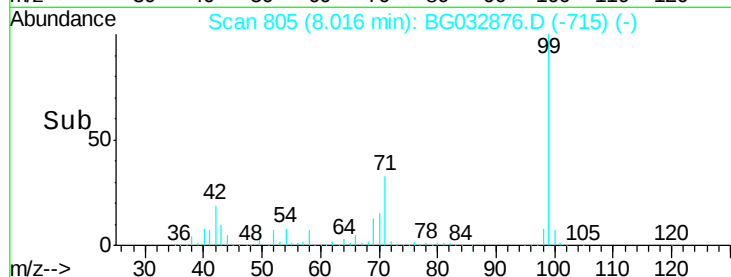
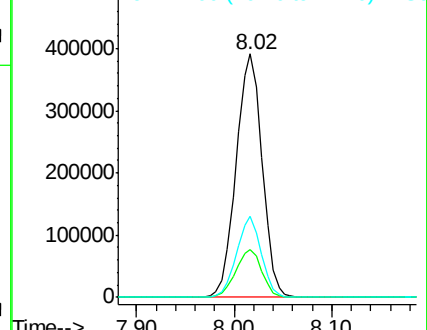
99 100

42 19.5 14.1 21.1

71 33.2 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: 14.72 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.38 min

Lab File: BG032876.D

Acq: 28 Feb 2018 5:16

Tgt Ion: 70 Resp: 66660

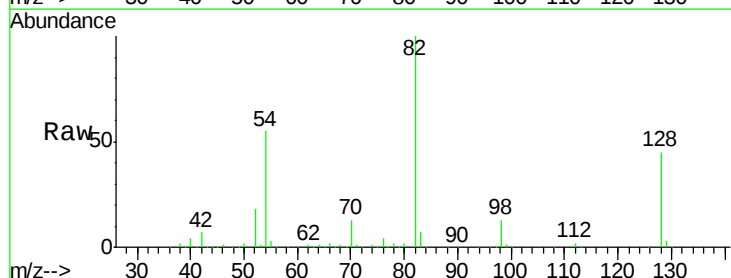
Ion Ratio Lower Upper

70 100

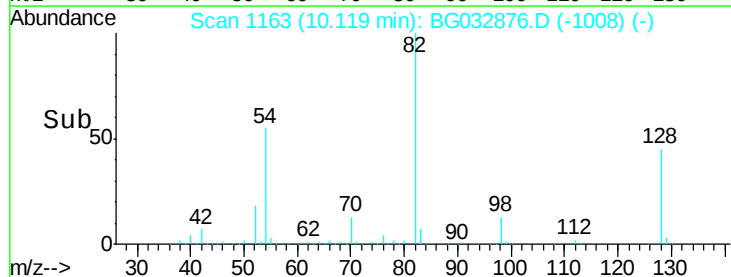
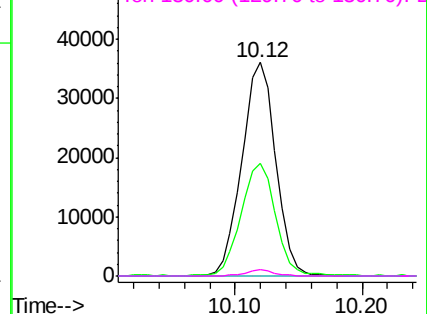
42 52.6 49.1 73.7

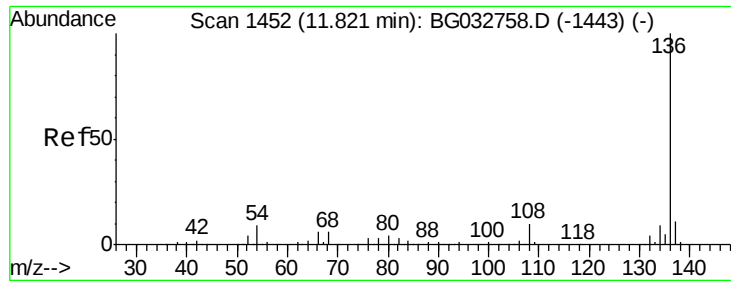
101 0.0 8.5 12.7#

130 2.7 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

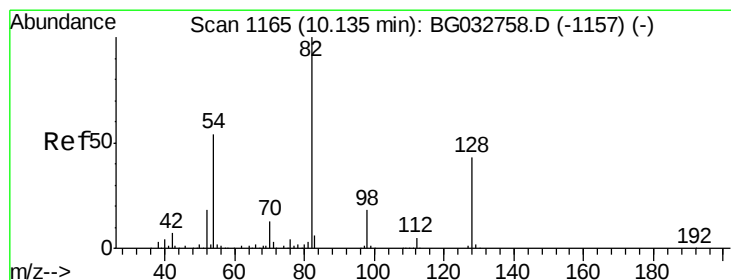
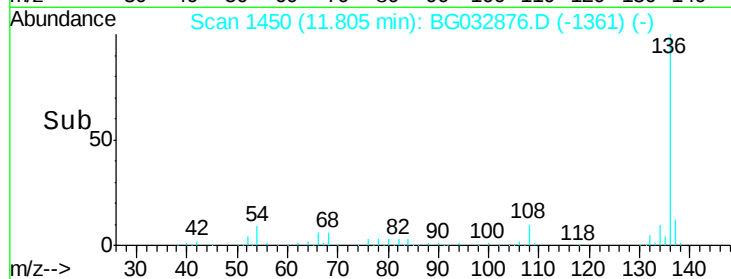
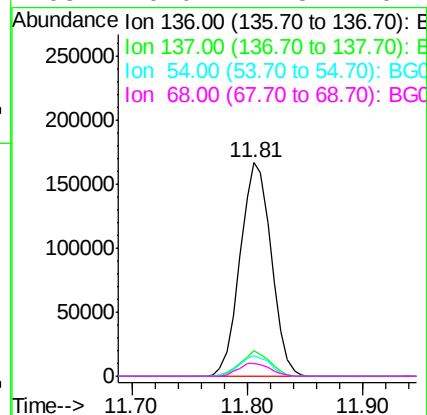
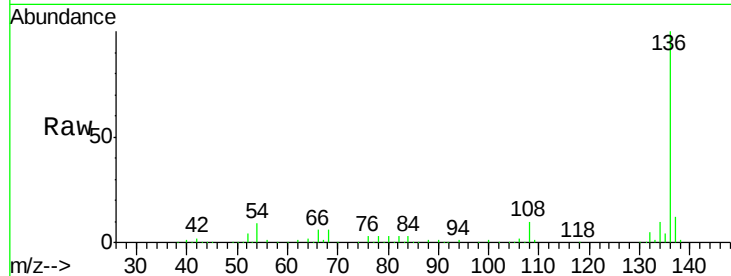




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.81 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BG032876.D
Acq: 28 Feb 2018 5:16

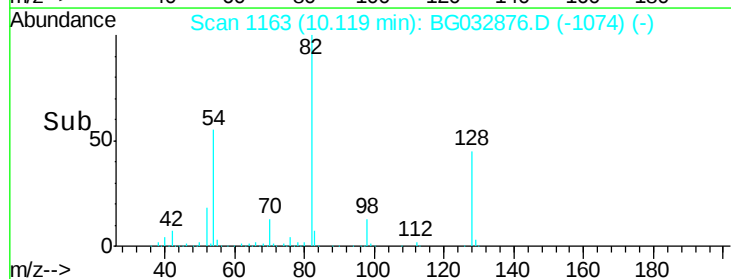
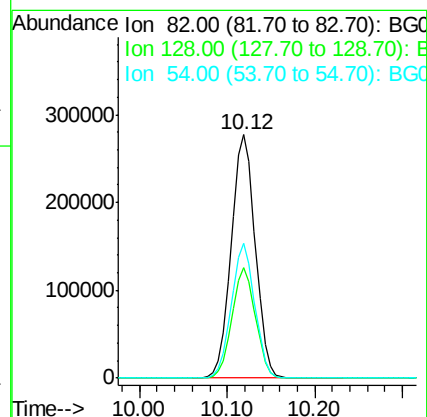
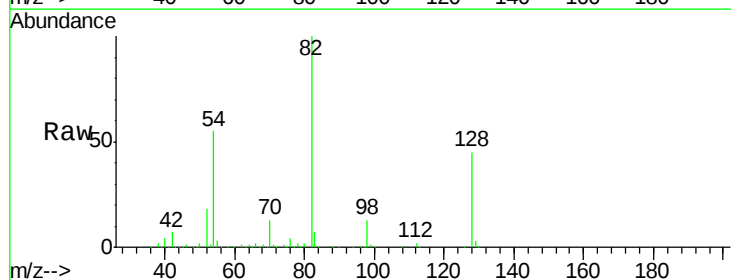
Instrument :
BNA_F
ClientSampleId :

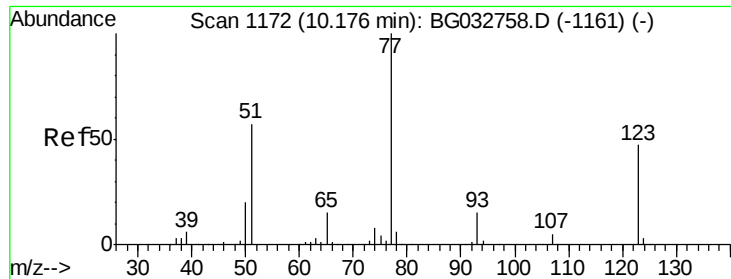
Tot Ion:136	Resp:	311259
Ion Ratio	Lower	Upper
136	100	
137	11.8	9.2 13.8
54	9.4	10.3 15.5#
68	6.0	4.5 6.7



#23
Nitrobenzene-d5
Concen: 111.99 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BG032876.D
Acq: 28 Feb 2018 5:16

Tgt Ion: 82	Resp:	518274
Ion Ratio	Lower	Upper
82	100	
128	45.4	29.7 44.5#
54	55.3	43.1 64.7

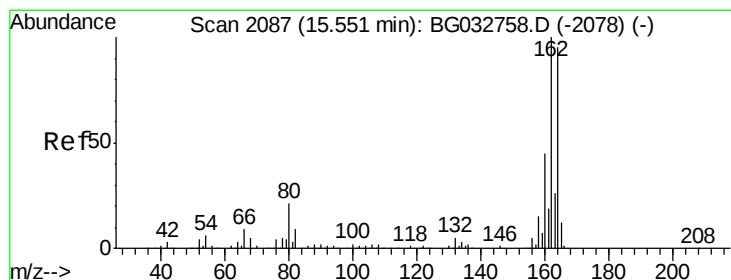
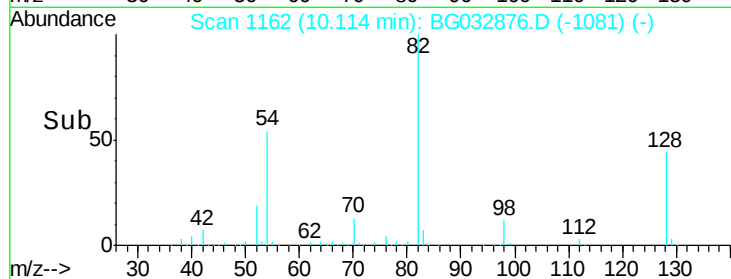
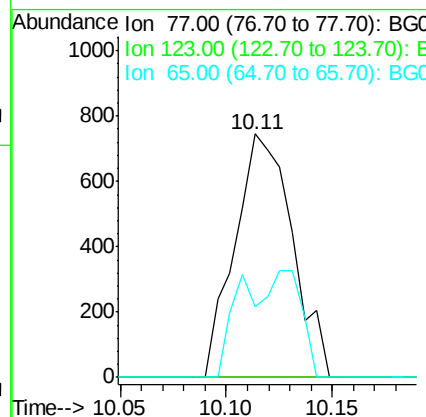
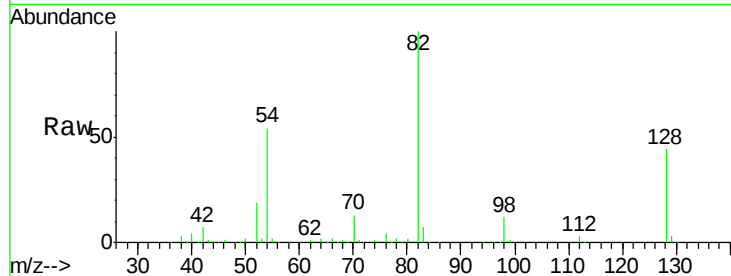




#24
 Nitrobenzene
 Concen: 6.63 ng
 RT: 10.11 min Scan# 1162
 Delta R.T. -0.05 min
 Lab File: BG032876.D
 Acq: 28 Feb 2018 5:16

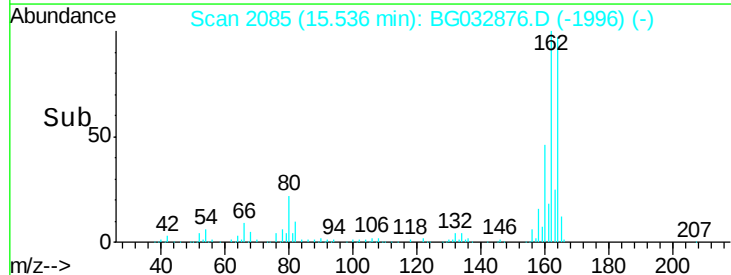
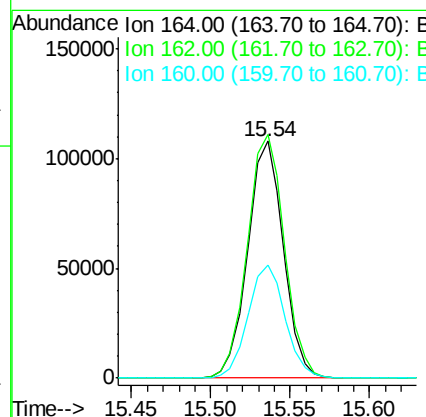
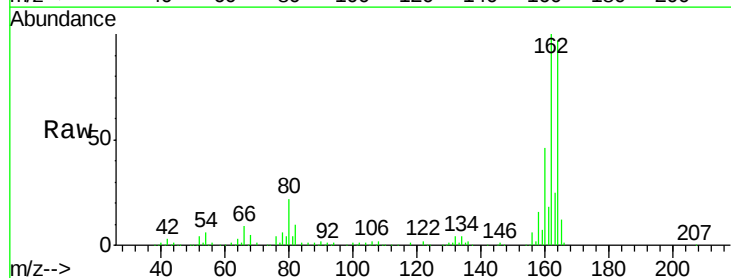
Instrument :
 BNA_F
 ClientSampleId :

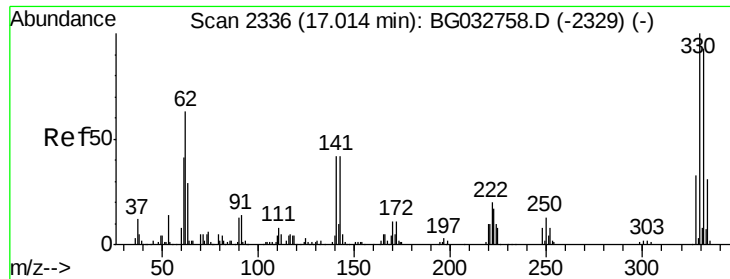
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	33.0	49.6#
65	29.0	13.0	19.6#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.54 min Scan# 2085
 Delta R.T. -0.01 min
 Lab File: BG032876.D
 Acq: 28 Feb 2018 5:16

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.9	78.8	118.2
160	47.8	35.4	53.0

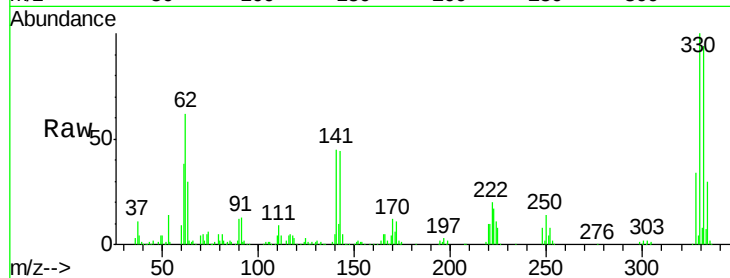




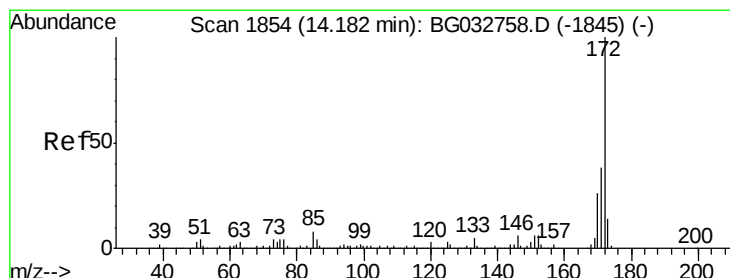
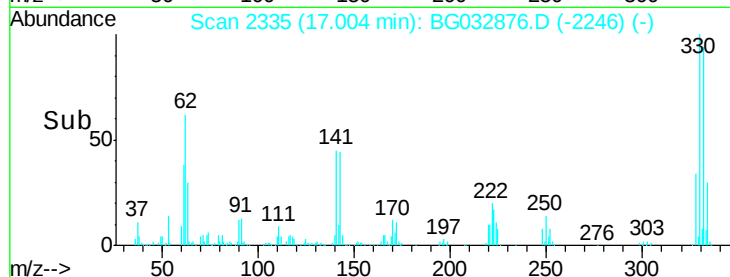
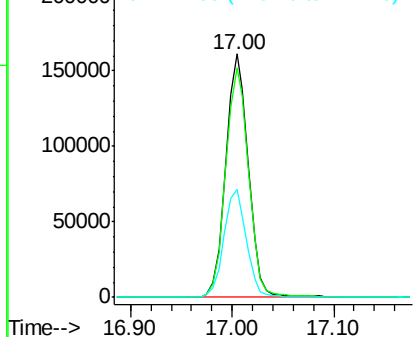
#41
 2,4,6-Tribromophenol
 Concen: 141.41 ng
 RT: 17.00 min Scan# 2335
 Delta R.T. -0.01 min
 Lab File: BG032876.D
 Acq: 28 Feb 2018 5:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 249868
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.0 115.6
 141 44.1 25.2 37.8#

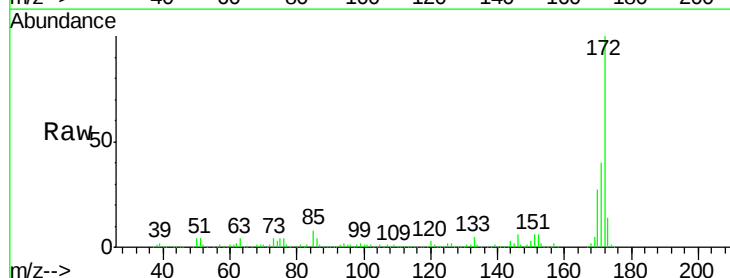


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

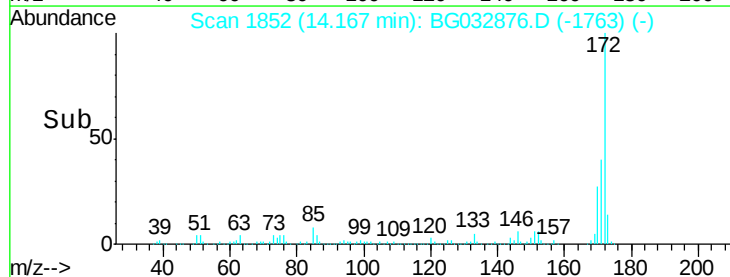
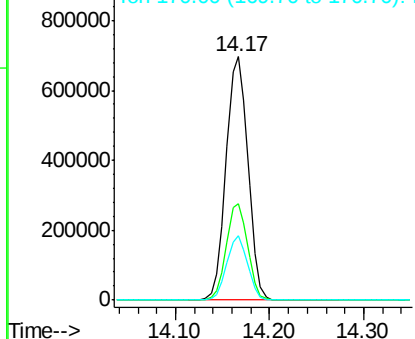


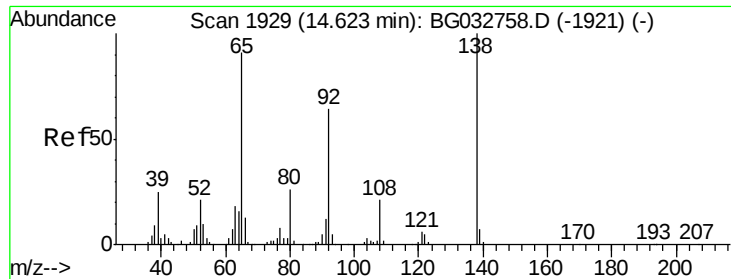
#44
 2-Fluorobiphenyl
 Concen: 96.25 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BG032876.D
 Acq: 28 Feb 2018 5:16

Tgt Ion:172 Resp: 1121438
 Ion Ratio Lower Upper
 172 100
 171 39.8 30.0 45.0
 170 26.6 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: 10.36 ng

RT: 14.17 min Scan# 1852

Delta R.T. -0.45 min

Lab File: BG032876.D

Acq: 28 Feb 2018 5:16

Instrument :

BNA_F

ClientSampleId :

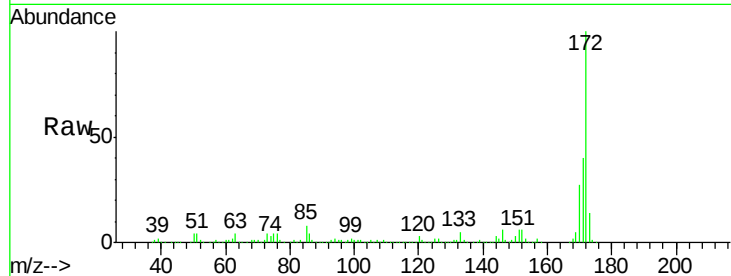
Tot Ion: 65 Resp: 1831

Ion Ratio Lower Upper

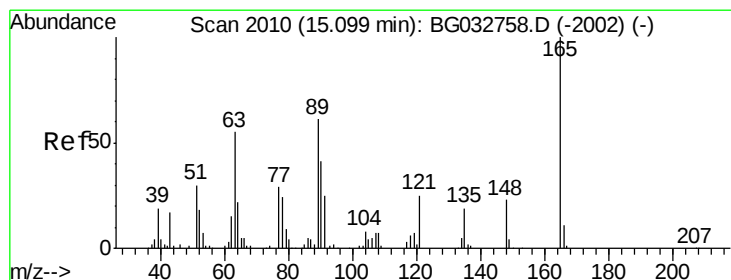
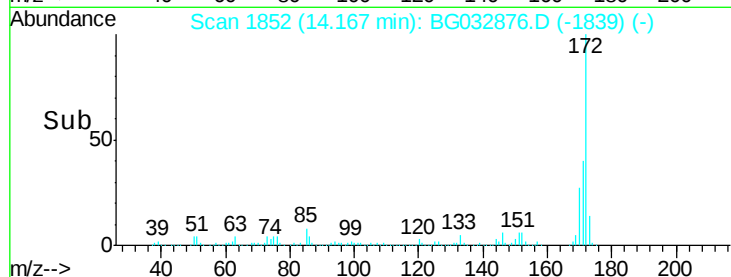
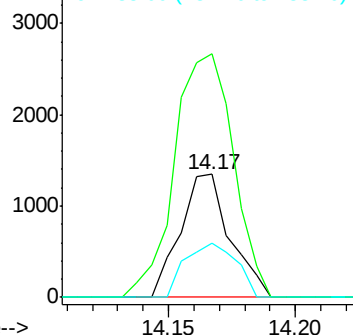
65 100

92 197.6 54.6 82.0#

138 44.4 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: 16.37 ng

RT: 15.54 min Scan# 2085

Delta R.T. 0.44 min

Lab File: BG032876.D

Acq: 28 Feb 2018 5:16

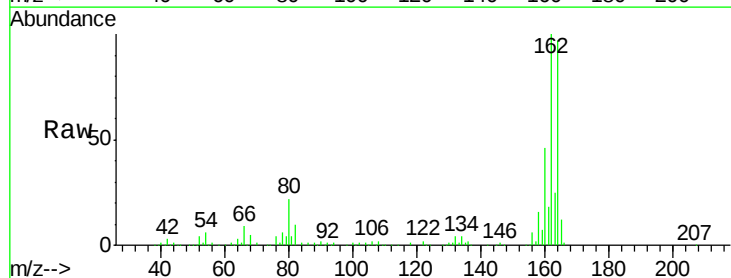
Tgt Ion: 165 Resp: 21671

Ion Ratio Lower Upper

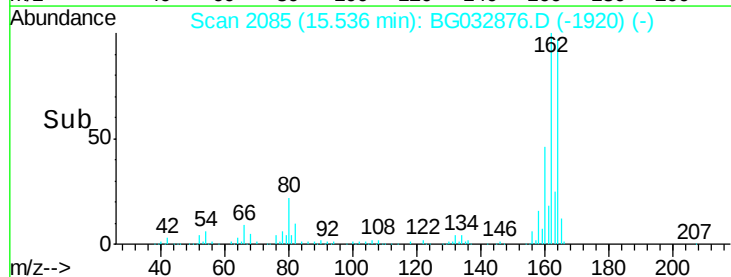
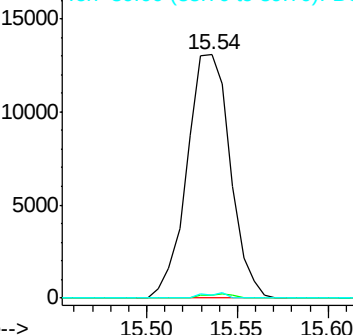
165 100

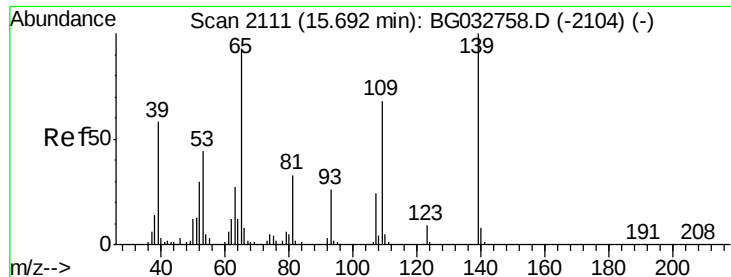
63 1.2 52.7 79.1#

89 1.3 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

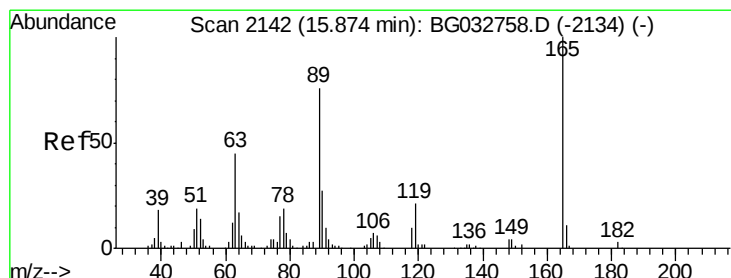
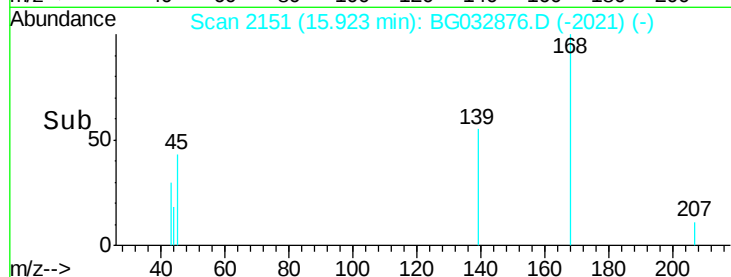
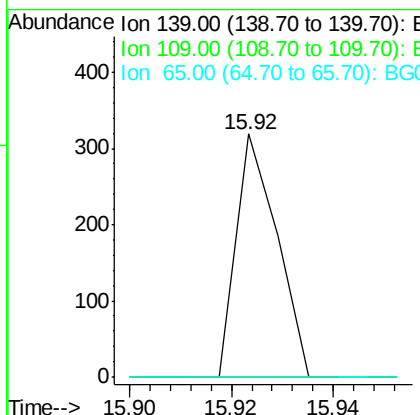
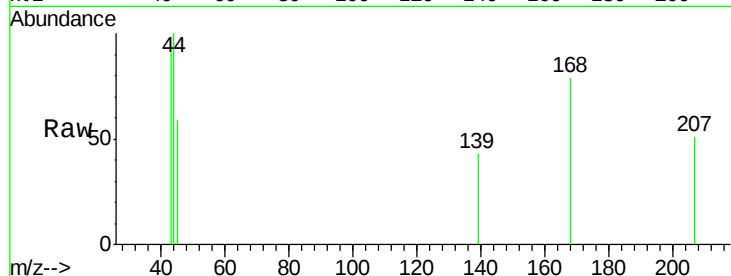




#55
4-Nitrophenol
Concen: 7.15 ng
RT: 15.92 min Scan# 2151
Delta R.T. 0.24 min
Lab File: BG032876.D
Acq: 28 Feb 2018 5:16

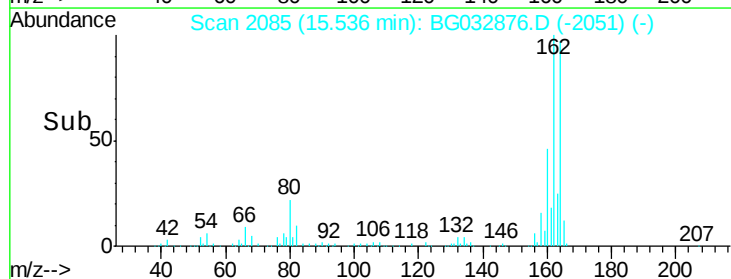
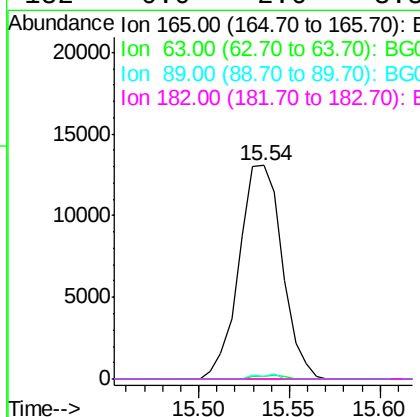
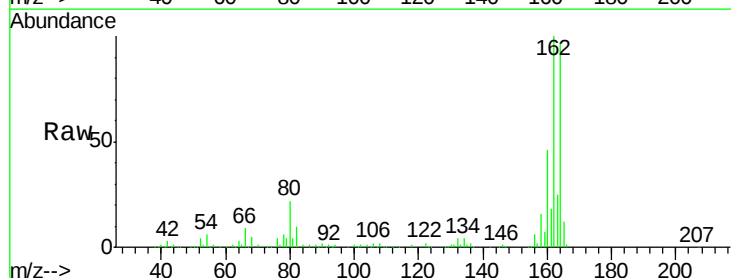
Instrument :
BNA_F
ClientSampleId :

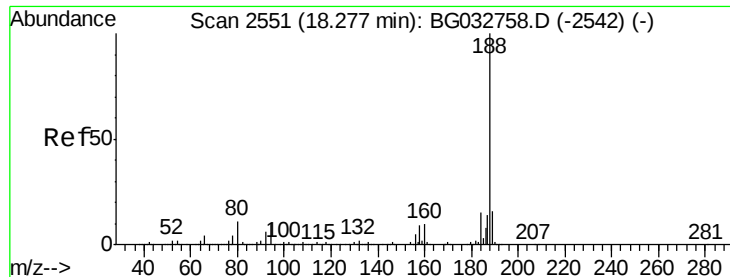
Tot Ion:139 Resp: 178
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#



#56
2,4-Dinitrotoluene
Concen: 14.57 ng
RT: 15.54 min Scan# 2085
Delta R.T. -0.33 min
Lab File: BG032876.D
Acq: 28 Feb 2018 5:16

Tgt Ion:165 Resp: 21671
Ion Ratio Lower Upper
165 100
63 1.2 42.0 63.0#
89 1.3 66.9 100.3#
182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.26 min Scan# 2549

Delta R.T. -0.01 min

Lab File: BG032876.D

Acq: 28 Feb 2018 5:16

Instrument :

BNA_F

ClientSampleId :

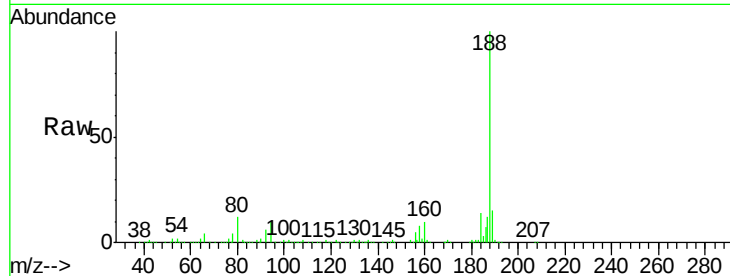
Tot Ion:188 Resp: 387242

Ion Ratio Lower Upper

188 100

94 10.2 6.9 10.3

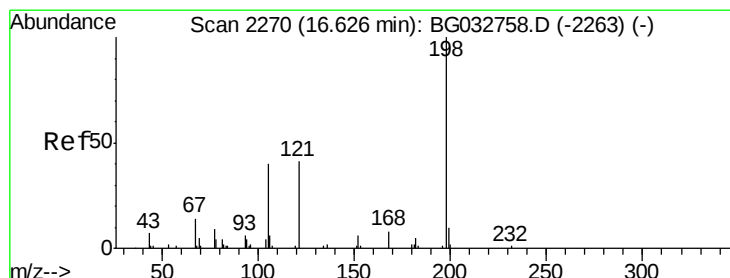
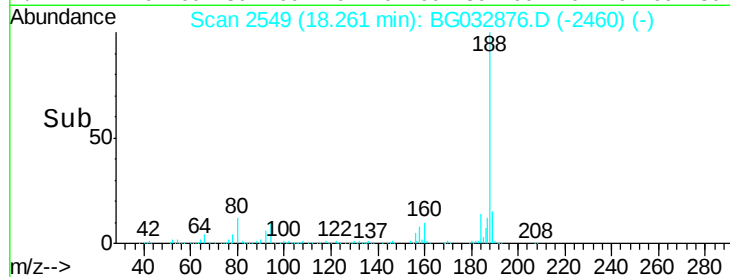
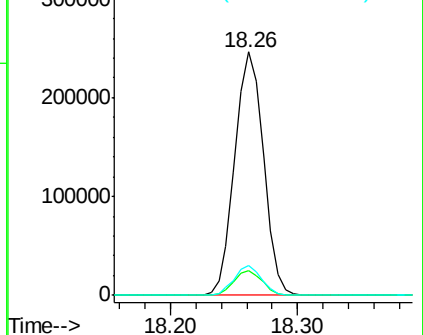
80 12.1 7.7 11.5#



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: 5.71 ng

RT: 17.00 min Scan# 2335

Delta R.T. 0.38 min

Lab File: BG032876.D

Acq: 28 Feb 2018 5:16

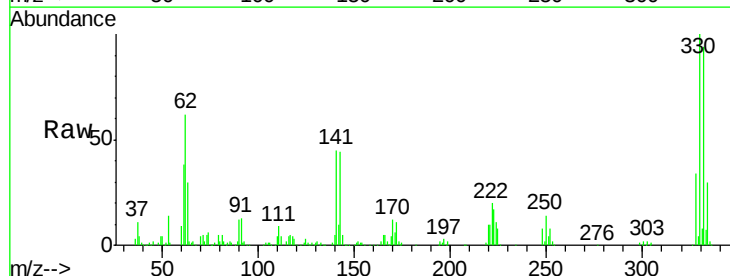
Tgt Ion:198 Resp: 693

Ion Ratio Lower Upper

198 100

51 166.8 30.6 70.6#

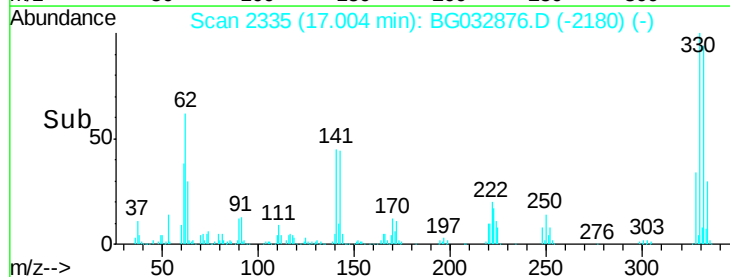
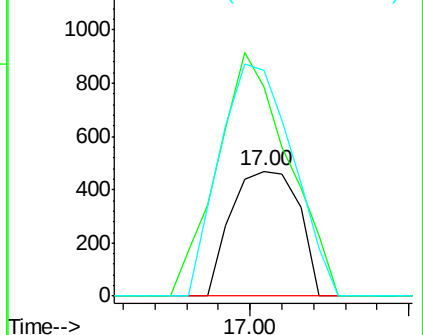
105 180.0 23.8 63.8#

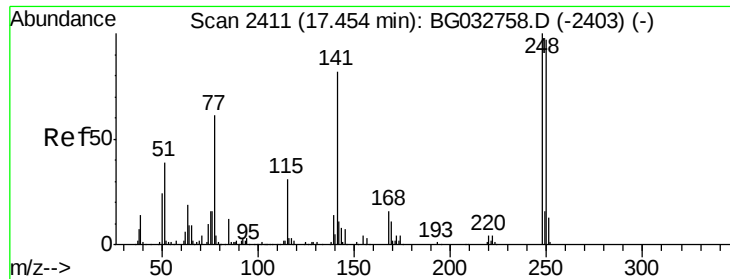


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

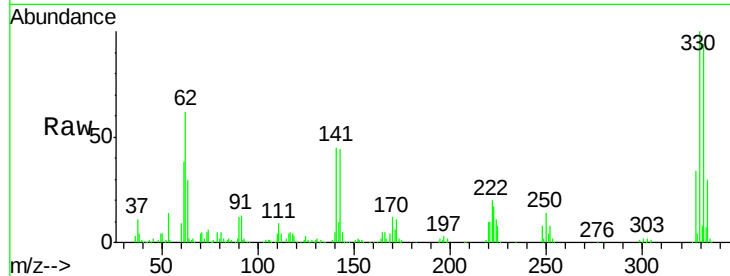




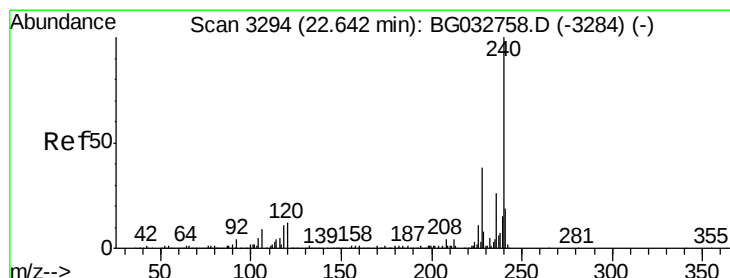
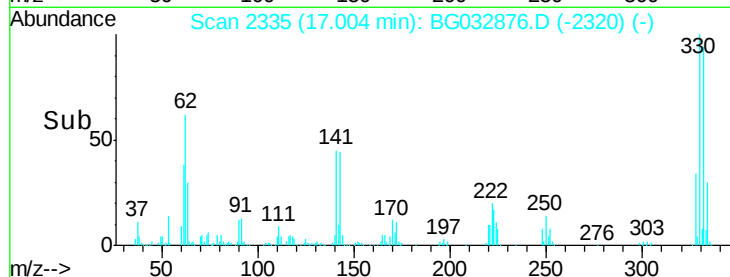
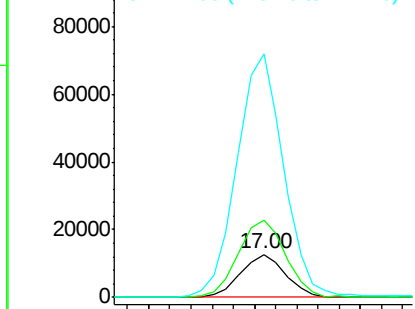
#66
 4-Bromophenyl-phenylether
 Concen: 4.53 ng
 RT: 17.00 min Scan# 2335
 Delta R.T. -0.44 min
 Lab File: BG032876.D
 Acq: 28 Feb 2018 5:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 18566
 Ion Ratio Lower Upper
 248 100
 250 181.1 77.1 115.7#
 141 569.3 50.8 76.2#

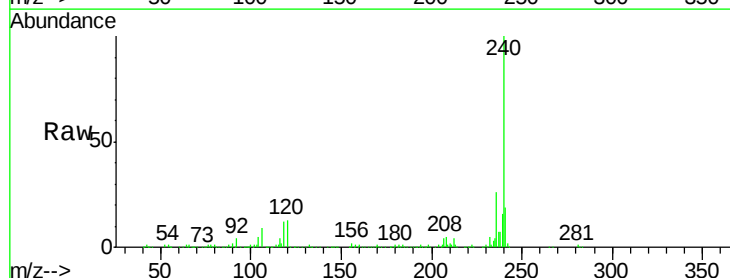


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

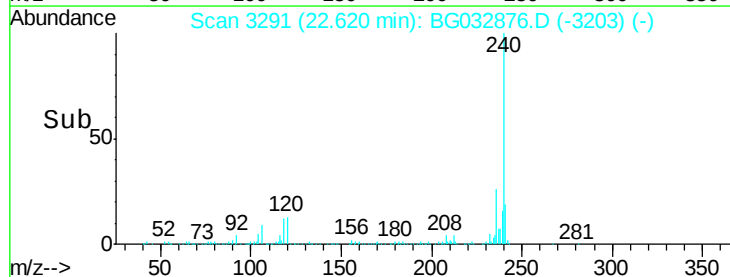
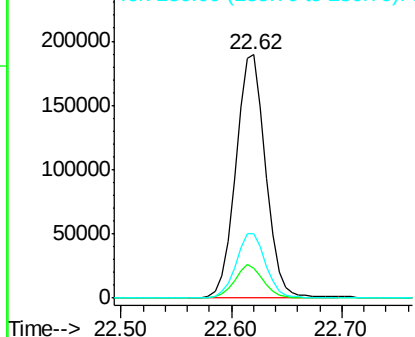


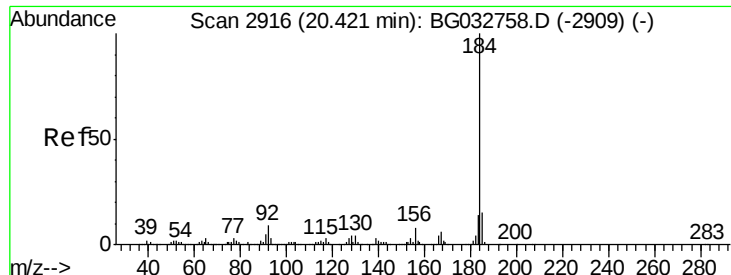
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 22.62 min Scan# 3291
 Delta R.T. -0.01 min
 Lab File: BG032876.D
 Acq: 28 Feb 2018 5:16

Tgt Ion:240 Resp: 359567
 Ion Ratio Lower Upper
 240 100
 120 12.5 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

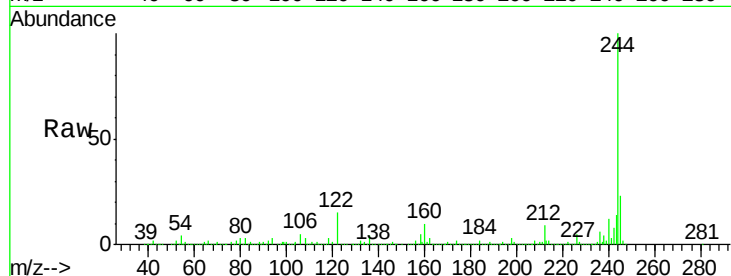




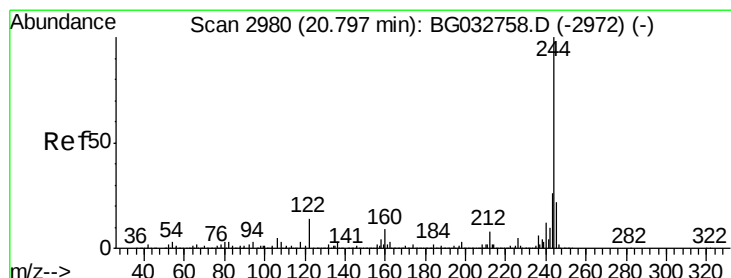
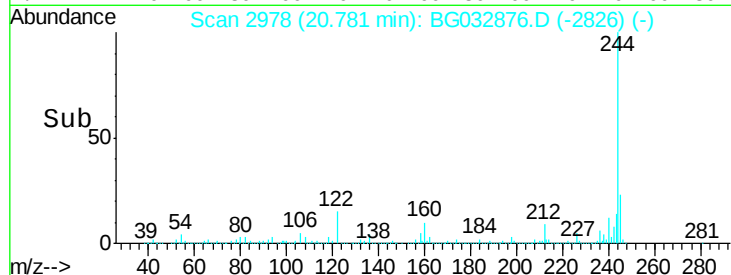
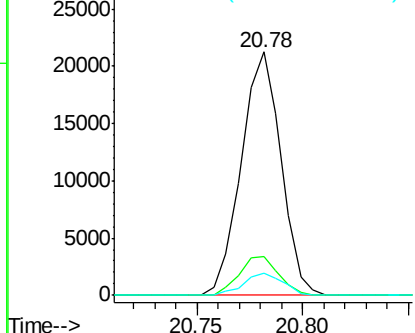
#76
Benzidine
Concen: 2.25 ng
RT: 20.78 min Scan# 2978
Delta R.T. 0.36 min
Lab File: BG032876.D
Acq: 28 Feb 2018 5:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:184 Resp: 27590
Ion Ratio Lower Upper
184 100
185 15.8 11.1 16.7
183 9.2 10.6 16.0#

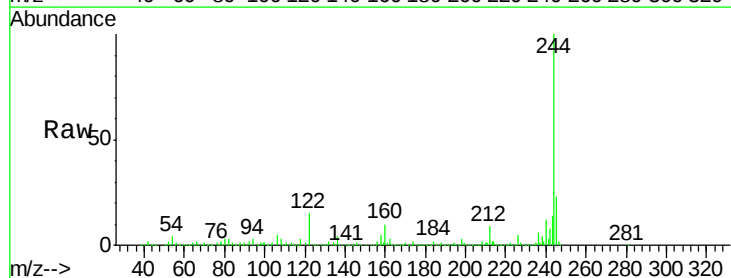


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

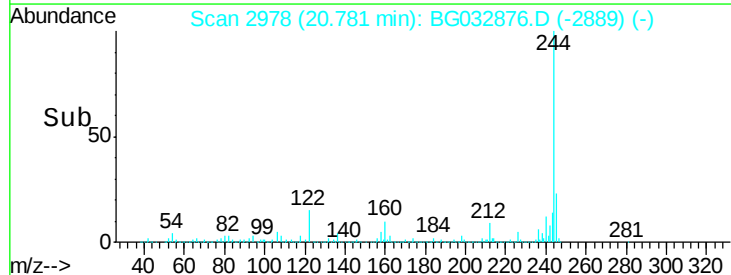
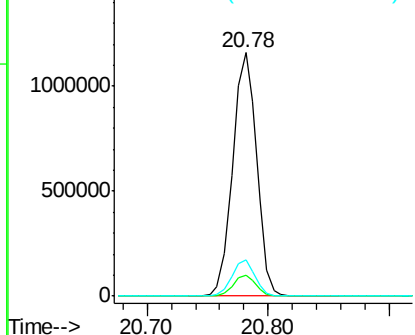


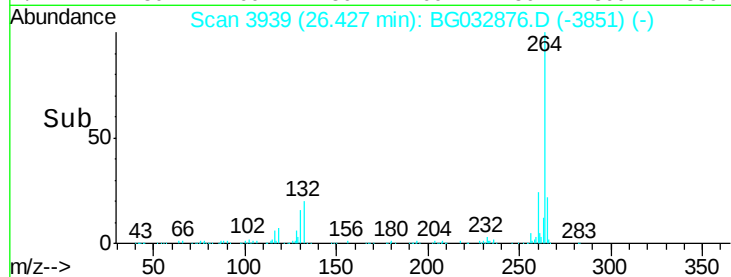
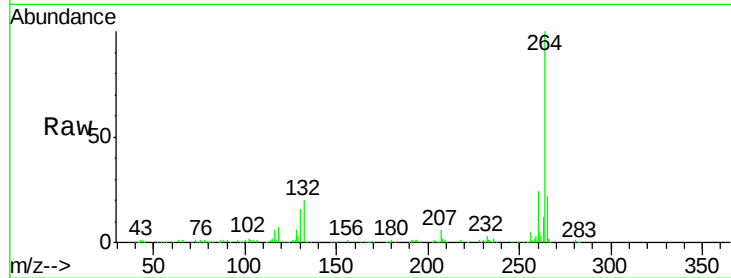
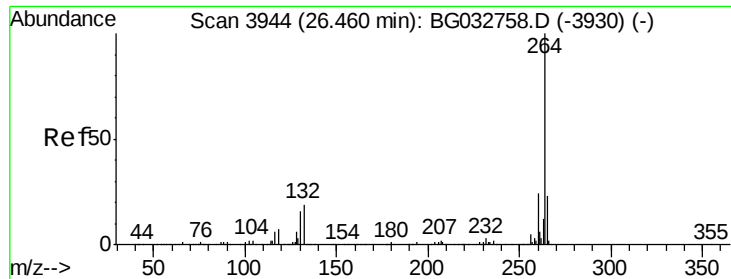
#78
Terphenyl-d14
Concen: 100.36 ng
RT: 20.78 min Scan# 2978
Delta R.T. -0.01 min
Lab File: BG032876.D
Acq: 28 Feb 2018 5:16

Tgt Ion:244 Resp: 1606145
Ion Ratio Lower Upper
244 100
212 8.7 5.8 8.8
122 15.1 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# 3939
Delta R.T. -0.01 min
Lab File: BG032876.D
Acq: 28 Feb 2018 5:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	364219
Ion	Ratio	Lower	Upper
264	100		
260	23.5	17.4	26.0
265	22.2	17.7	26.5

