

Data File : BF100469.D
Acq On : 12 Nov 2017 5:16
Operator : SJ/JU
Sample : I6407-05
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
4632

Quant Time: Nov 13 04:45:12 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 10 15:44:40 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	138617	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	518010	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	206599	20.00	ng	0.00
63) Phenanthrene-d10	11.43	188	319065	20.00	ng	0.00
75) Chrysene-d12	14.06	240	288652	20.00	ng	0.00
86) Perylene-d12	15.54	264	202432	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	931272	107.69	ng	0.02
7) Phenol-d6	6.53	99	1007254	94.46	ng	0.00
23) Nitrobenzene-d5	7.46	82	794608	101.42	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	234329	111.31	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	1360769	100.29	ng	0.00
78) Terphenyl-d14	13.01	244	999928	79.60	ng	0.00

Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.46	70	106374	14.38	ng	# 81
25) Isophorone	7.46	82	794599	48.26	ng	# 64
31) Naphthalene	8.20	128	593656	23.79	ng	# 99
32) Benzoic acid	8.20	122	1048	9.52	ng	# 1
33) 4-Chloroaniline	8.20	127	78714	7.58	ng	# 30
37) 2-Methylnaphthalene	8.89	142	52973	3.20	ng	# 98
47) 2-Nitroaniline	9.26	65	1984	3.27	ng	# 1
50) 2,6-Dinitrotoluene	9.94	165	26280	8.42	ng	# 25
55) 4-Nitrophenol	10.14	139	8525	2.85	ng	# 9
56) 2,4-Dinitrotoluene	9.94	165	26280	6.67	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.73	198	361	8.75	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	14466	4.23	ng	# 1
76) Benzidine	12.76	184	45665	3.95	ng	# 98

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

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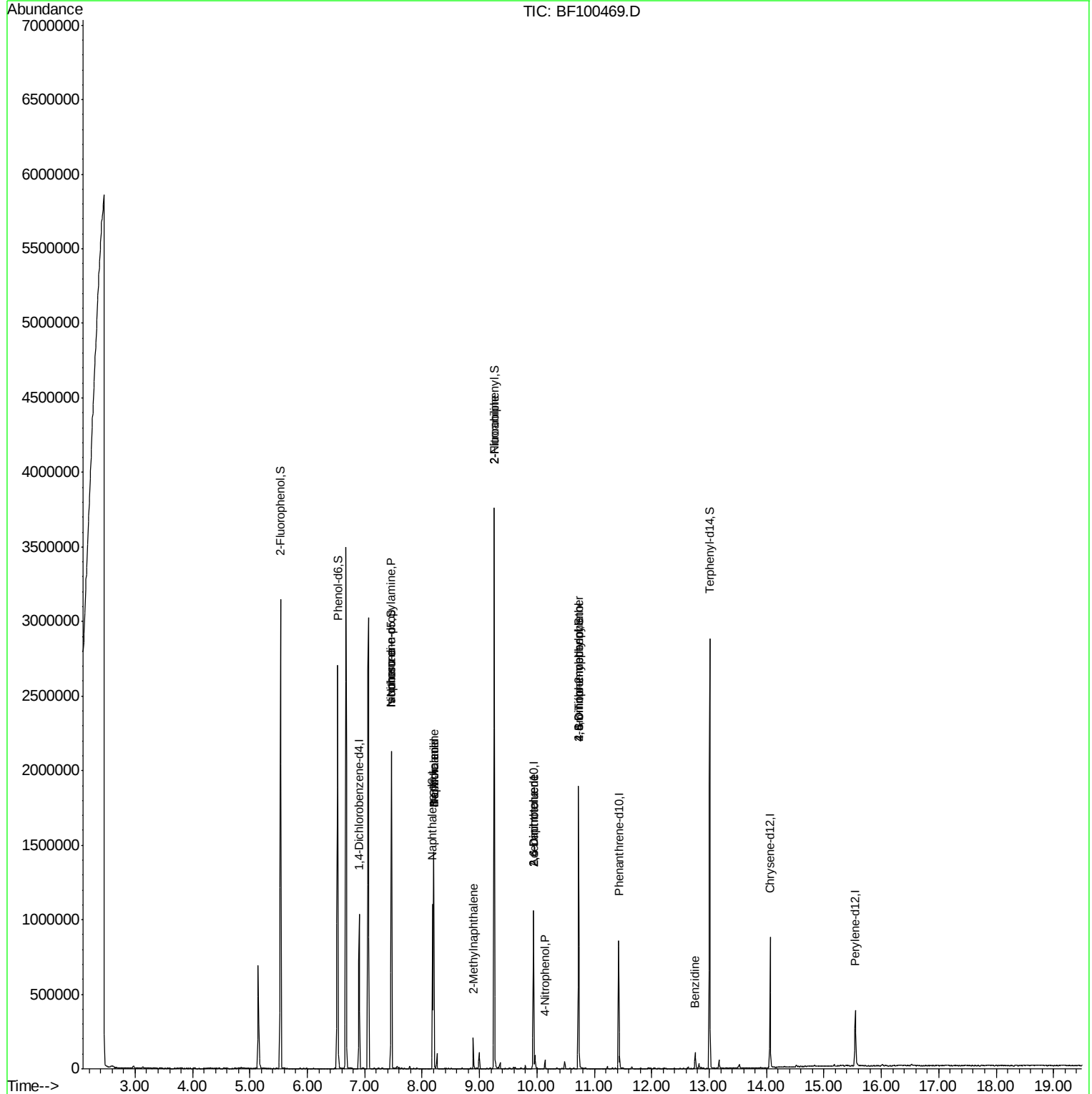
Quant Time: Nov 13 04:45:12 2017

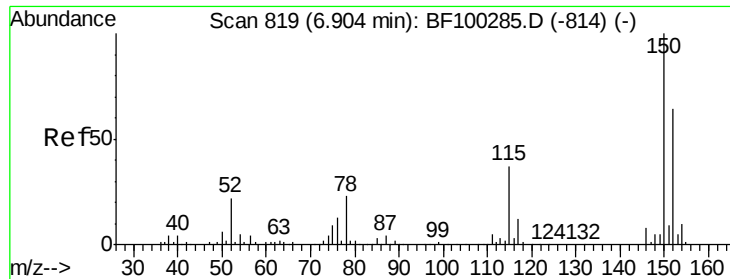
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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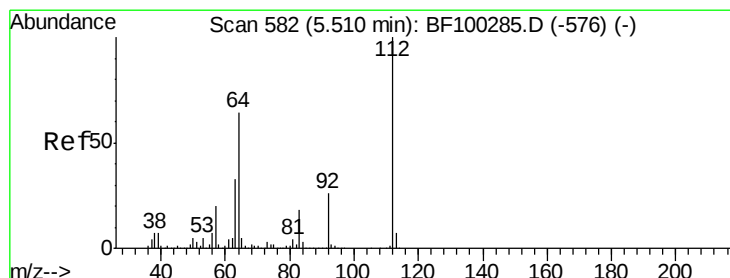
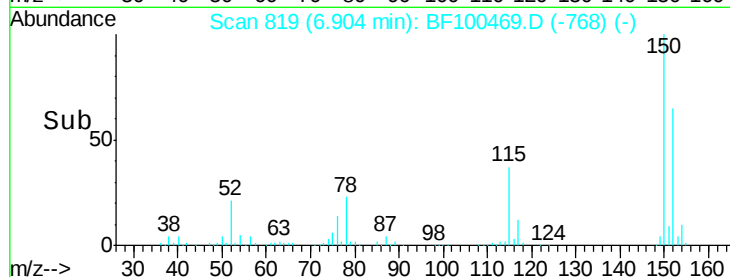
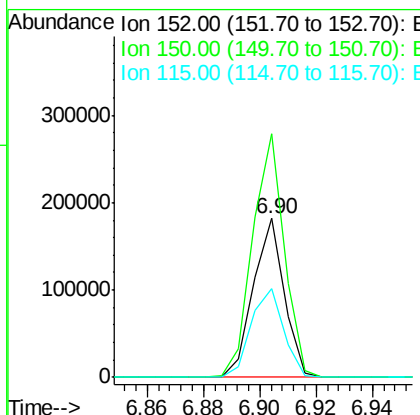
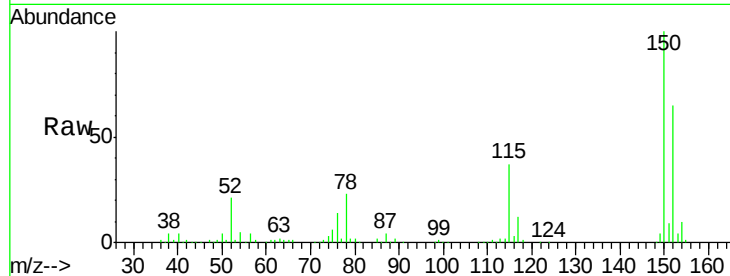




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.90 min Scan# 819
 Delta R.T. -0.00 min
 Lab File: BF100469.D
 Acq: 12 Nov 2017 5:16

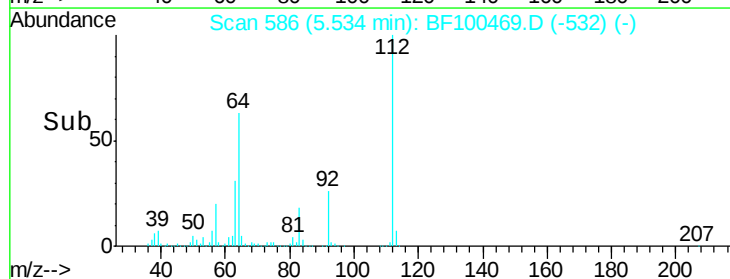
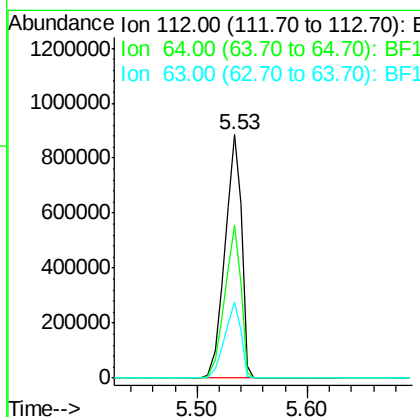
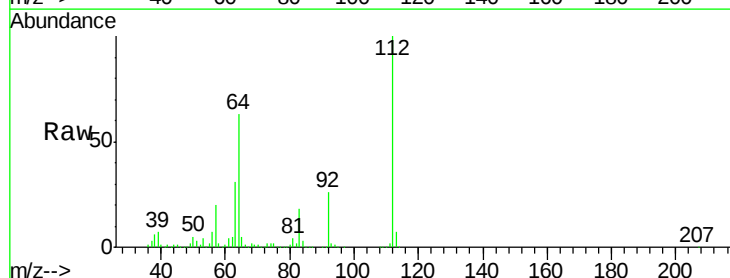
Instrument :
 BNA_F
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 4632

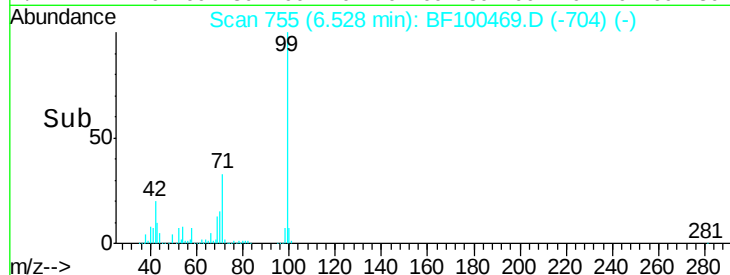
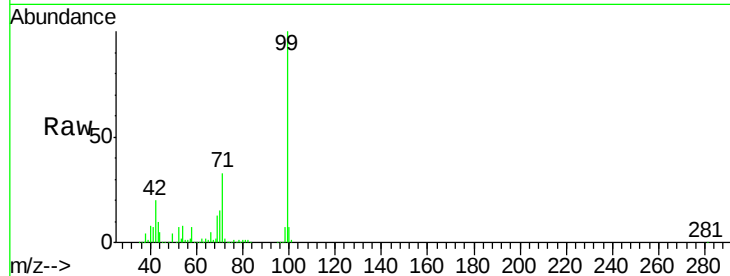
Tgt Ion:152 Resp: 138617
 Ion Ratio Lower Upper
 152 100
 150 153.5 124.6 186.8
 115 56.0 50.1 75.1



#5
 2-Fluorophenol
 Concen: 107.69 ng
 RT: 5.53 min Scan# 586
 Delta R.T. 0.02 min
 Lab File: BF100469.D
 Acq: 12 Nov 2017 5:16

Tgt Ion:112 Resp: 931272
 Ion Ratio Lower Upper
 112 100
 64 62.9 47.9 71.9
 63 31.4 23.7 35.5





#7

Phenol-d6

Concen: 94.46 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.00 min

Lab File: BF100469.D

Acq: 12 Nov 2017 5:16

Instrument :

BNA_F

ClientSampleId :

4632

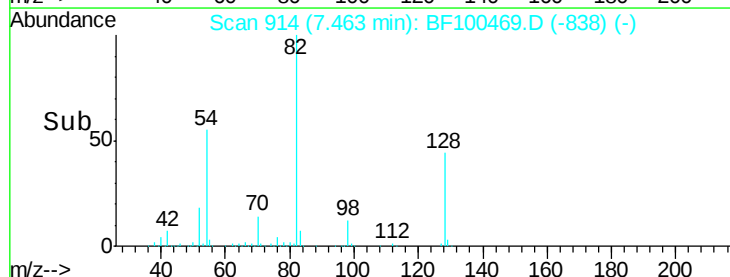
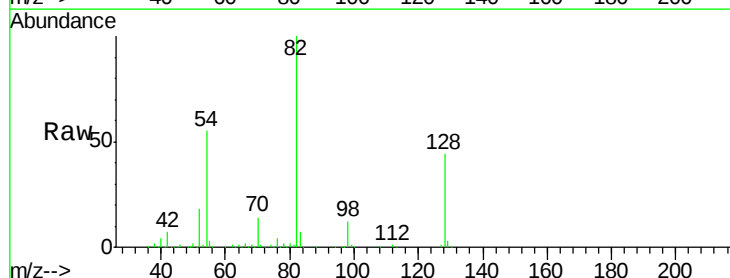
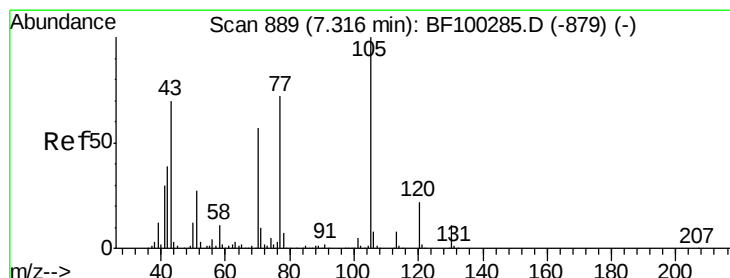
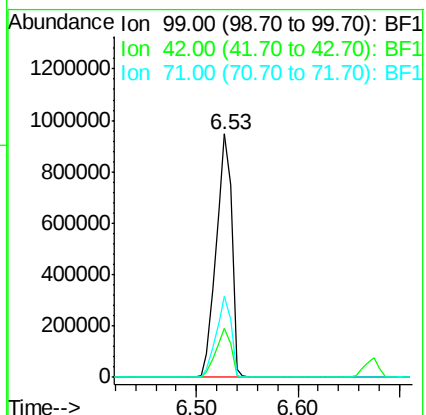
Tgt Ion: 99 Resp: 1007254

Ion Ratio Lower Upper

99 100

42 20.2 14.5 21.7

71 33.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.38 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.15 min

Lab File: BF100469.D

Acq: 12 Nov 2017 5:16

Tgt Ion: 70 Resp: 106374

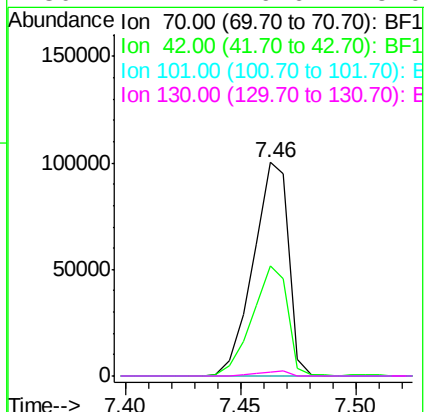
Ion Ratio Lower Upper

70 100

42 51.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

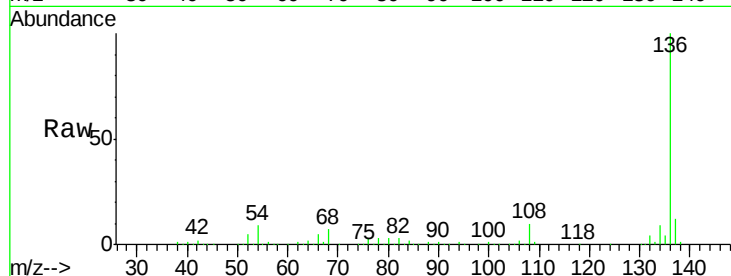




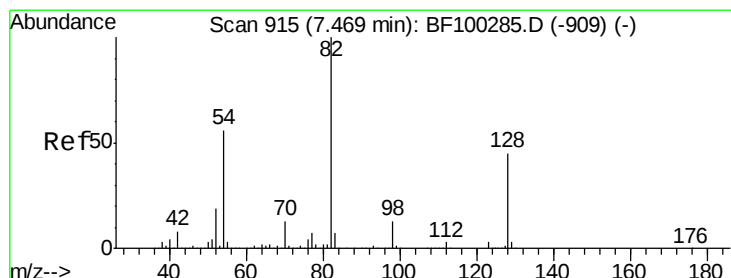
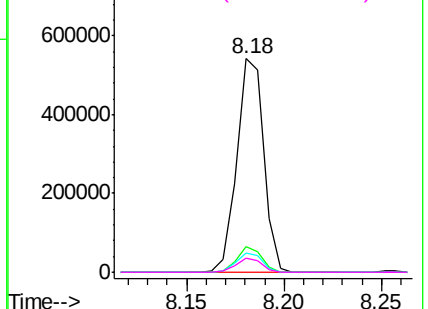
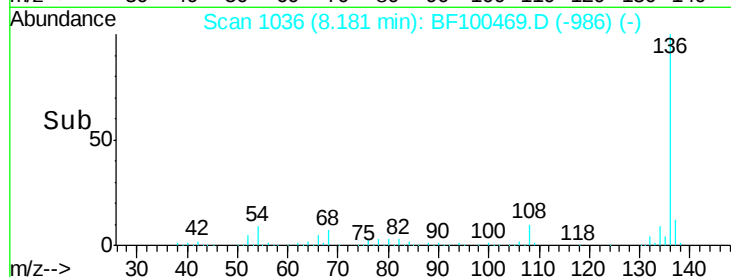
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF100469.D
Acq: 12 Nov 2017 5:16

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:	136	Resp:	518010
Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.9	13.3
54	9.3	6.6	9.8
68	6.9	5.0	7.4

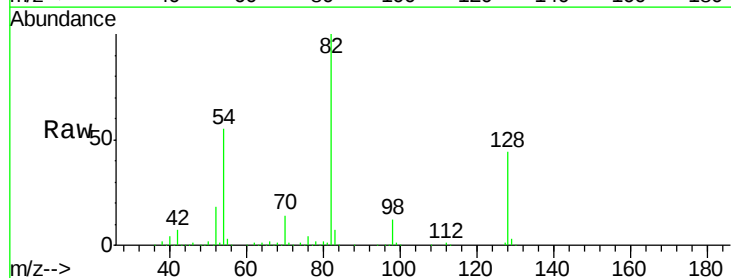


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

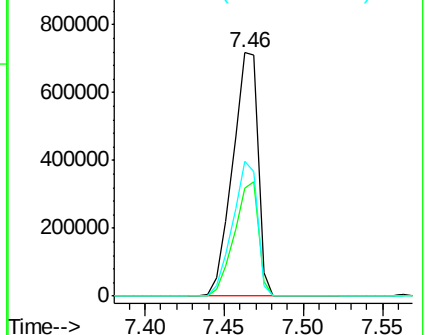
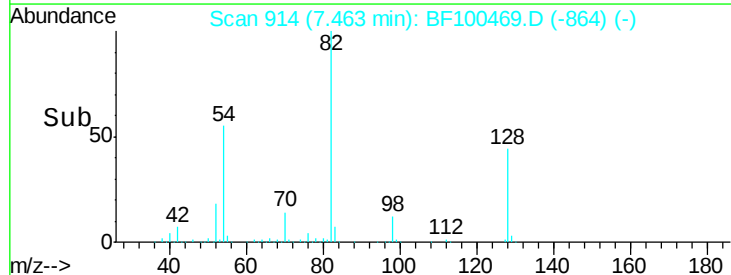


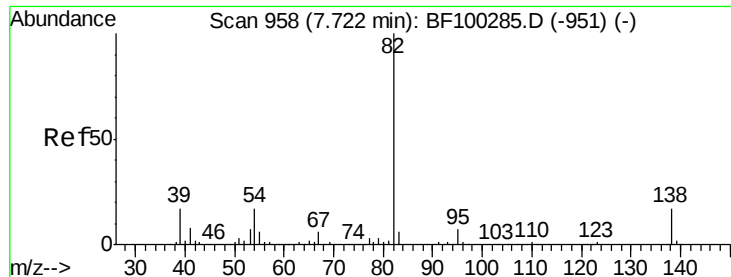
#23
Nitrobenzene-d5
Concen: 101.42 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.01 min
Lab File: BF100469.D
Acq: 12 Nov 2017 5:16

Tgt Ion:	82	Resp:	794608
Ion	Ratio	Lower	Upper
82	100		
128	44.2	36.1	54.1
54	55.3	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 48.26 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.26 min

Lab File: BF100469.D

Acq: 12 Nov 2017 5:16

Instrument :

BNA_F

ClientSampleId :

4632

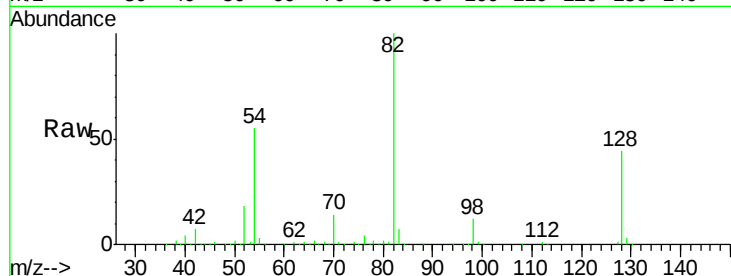
Tgt Ion: 82 Resp: 794599

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

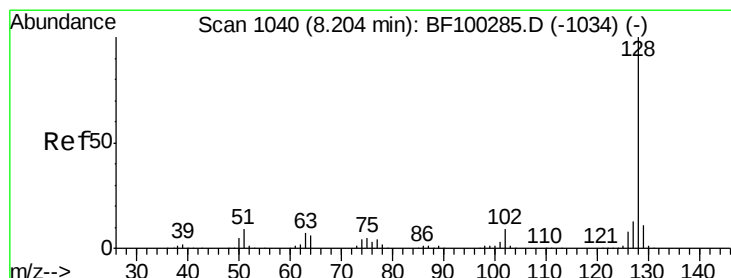
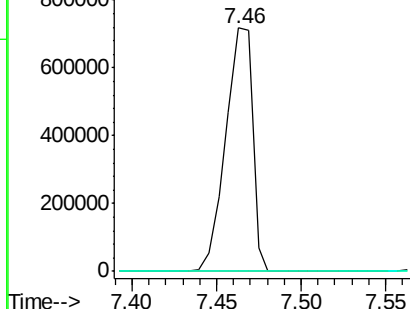
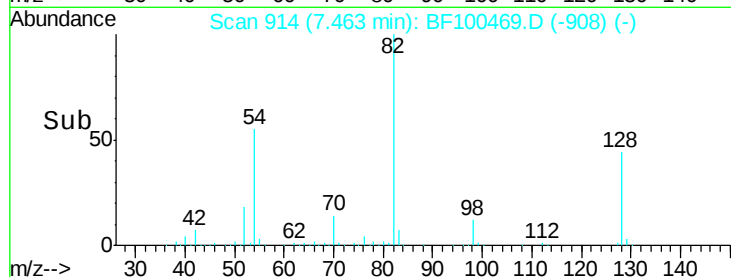
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 23.79 ng

RT: 8.20 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF100469.D

Acq: 12 Nov 2017 5:16

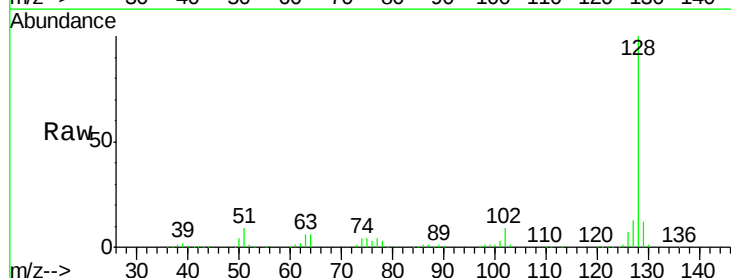
Tgt Ion: 128 Resp: 593656

Ion Ratio Lower Upper

128 100

129 11.6 8.8 13.2

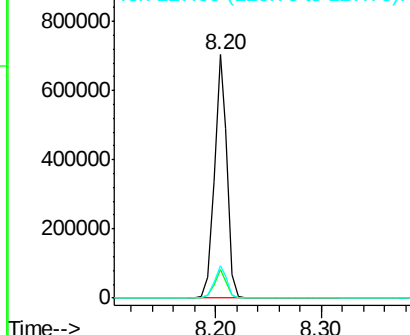
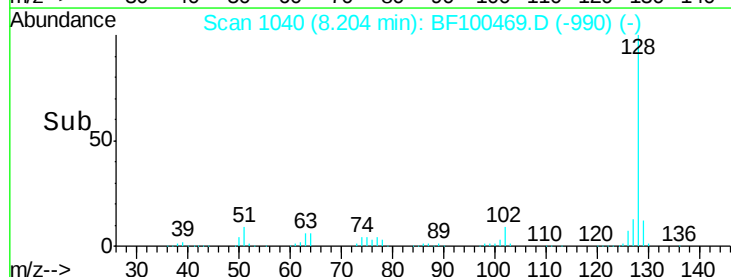
127 13.3 10.9 16.3

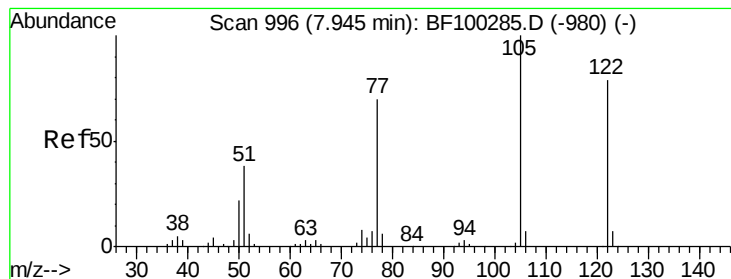


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 9.52 ng

RT: 8.20 min Scan# 1040

Delta R.T. 0.25 min

Lab File: BF100469.D

Acq: 12 Nov 2017 5:16

Instrument :

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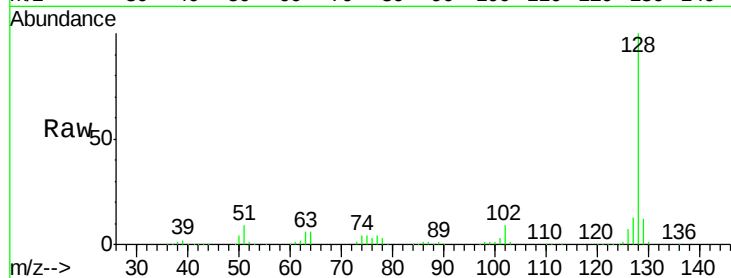
Tgt Ion:122 Resp: 1048

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

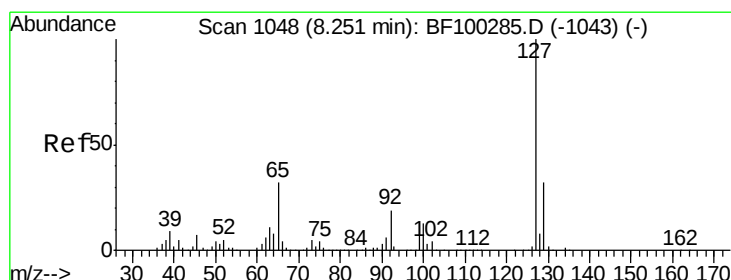
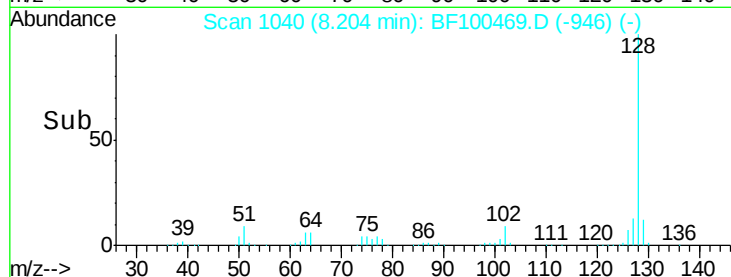
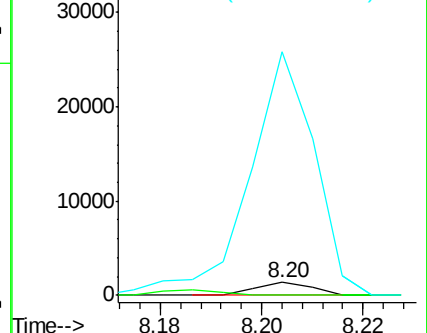
77 1876.0 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#33

4-Chloroaniline

Concen: 7.58 ng

RT: 8.20 min Scan# 1040

Delta R.T. -0.05 min

Lab File: BF100469.D

Acq: 12 Nov 2017 5:16

Tgt Ion:127 Resp: 78714

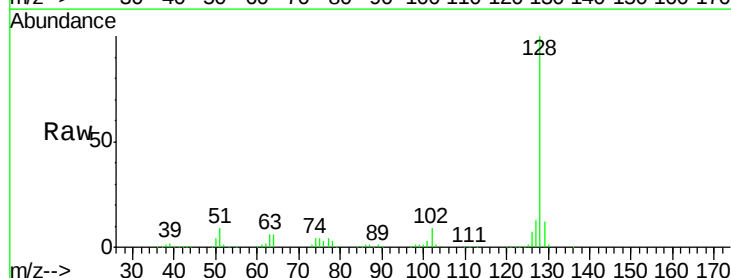
Ion Ratio Lower Upper

127 100

129 87.4 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

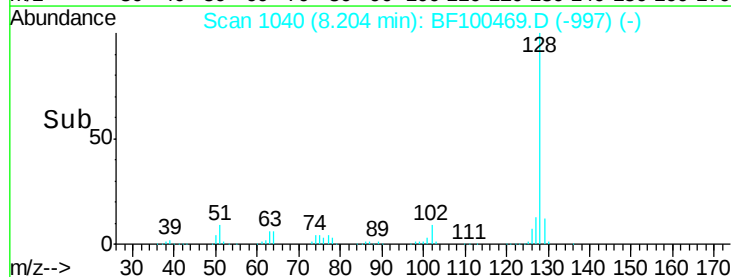
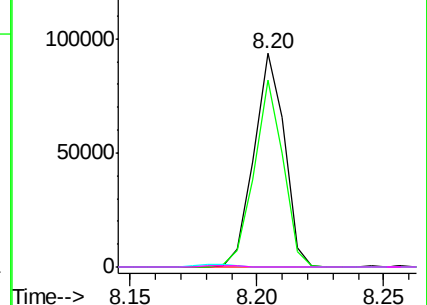


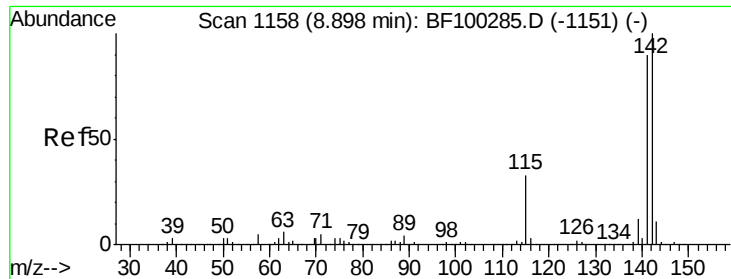
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

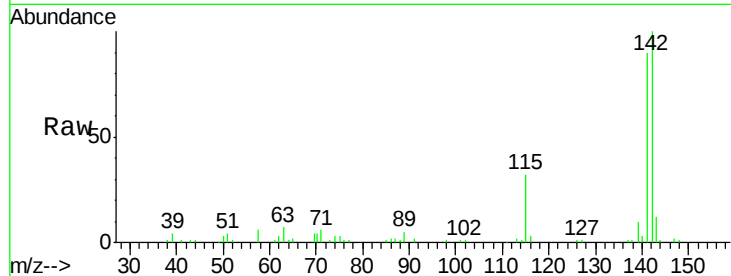




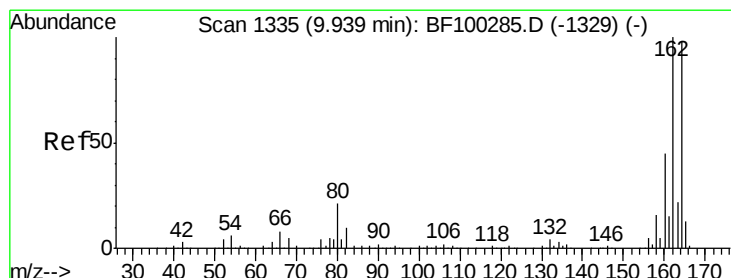
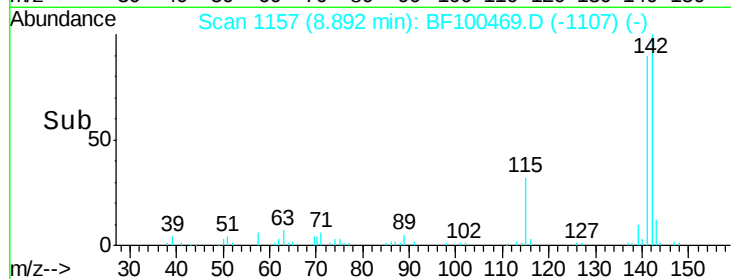
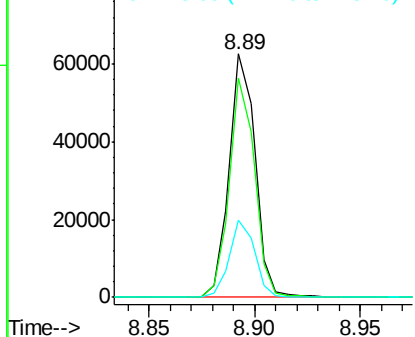
#37
 2-Methylnaphthalene
 Concen: 3.20 ng
 RT: 8.89 min Scan# 1157
 Delta R.T. -0.01 min
 Lab File: BF100469.D
 Acq: 12 Nov 2017 5:16

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Tgt Ion:142 Resp: 52973
 Ion Ratio Lower Upper
 142 100
 141 90.2 70.8 106.2
 115 31.8 26.1 39.1

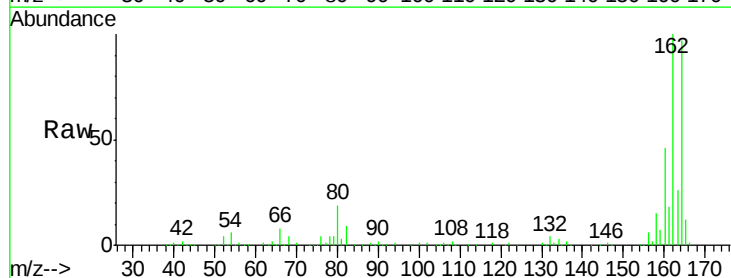


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

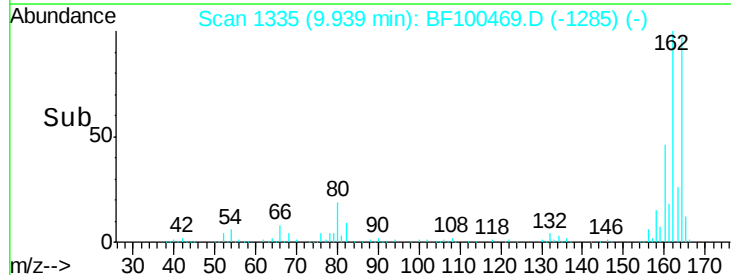
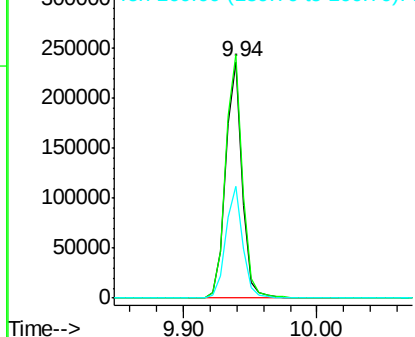


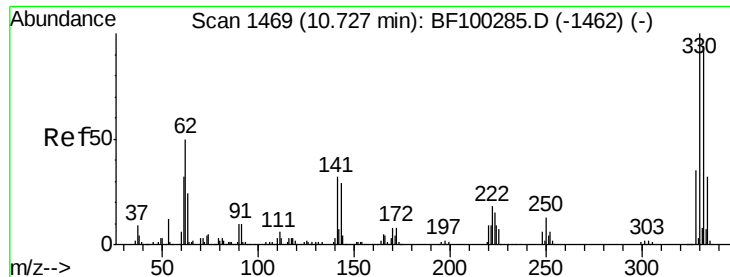
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.01 min
 Lab File: BF100469.D
 Acq: 12 Nov 2017 5:16

Tgt Ion:164 Resp: 206599
 Ion Ratio Lower Upper
 164 100
 162 102.9 86.1 129.1
 160 47.0 38.3 57.5



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

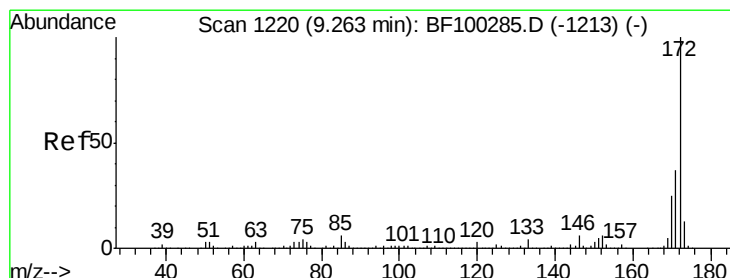
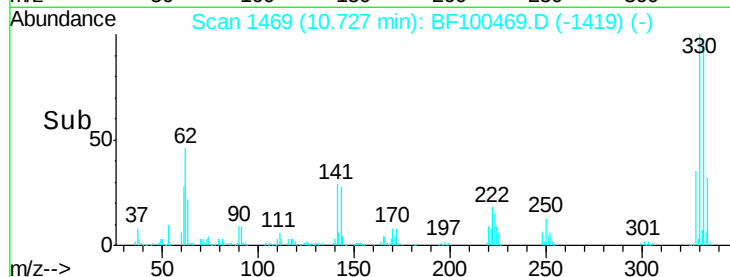
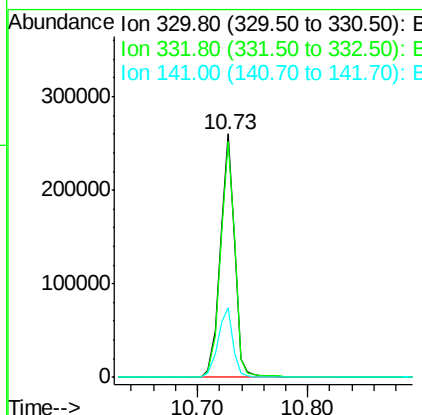
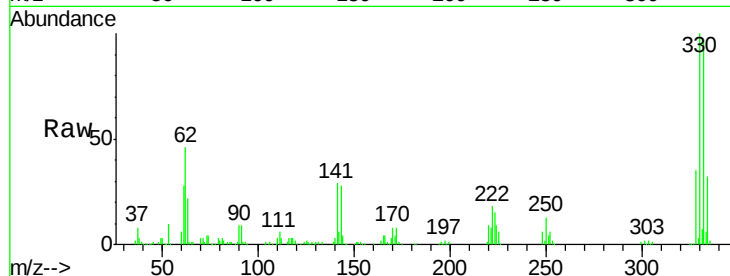




#41
 2,4,6-Tribromophenol
 Concen: 111.31 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.01 min
 Lab File: BF100469.D
 Acq: 12 Nov 2017 5:16

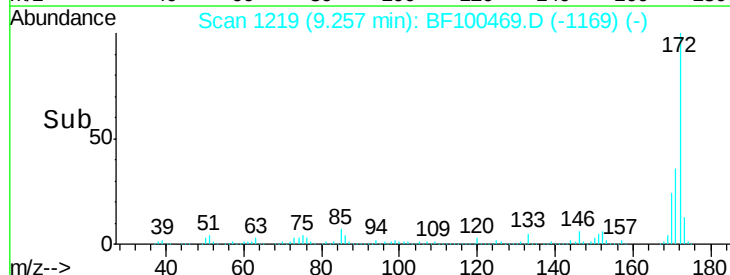
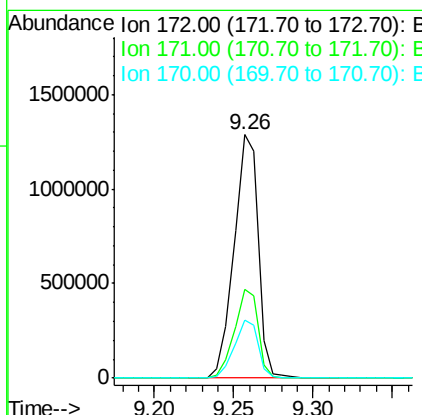
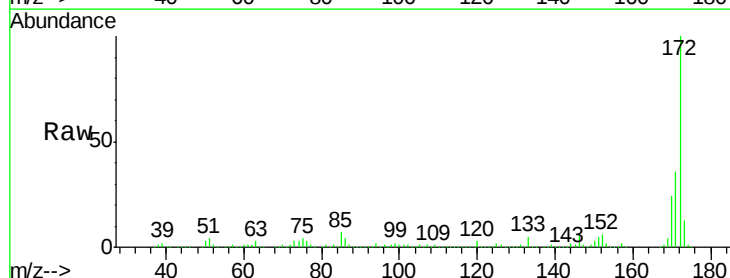
Instrument :
 BNA_F
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 4632

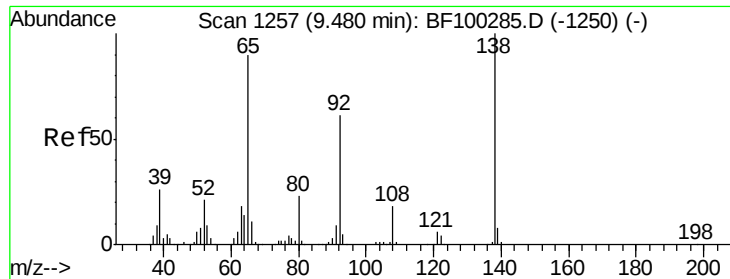
Tgt Ion:330 Resp: 234329
 Ion Ratio Lower Upper
 330 100
 332 97.6 77.0 115.6
 141 30.1 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 100.29 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: BF100469.D
 Acq: 12 Nov 2017 5:16

Tgt Ion:172 Resp: 1360769
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.7 44.5
 170 24.1 19.6 29.4

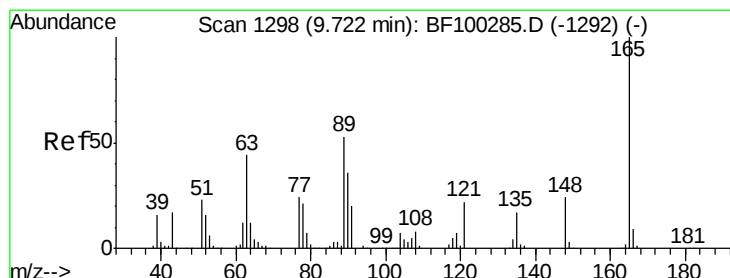
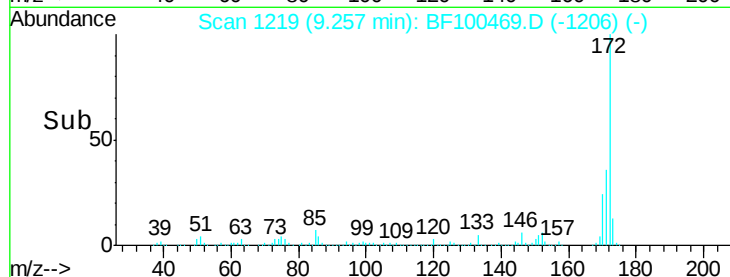
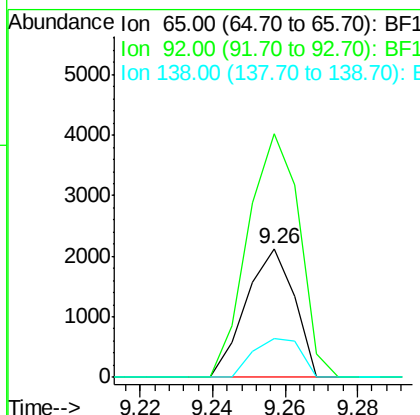
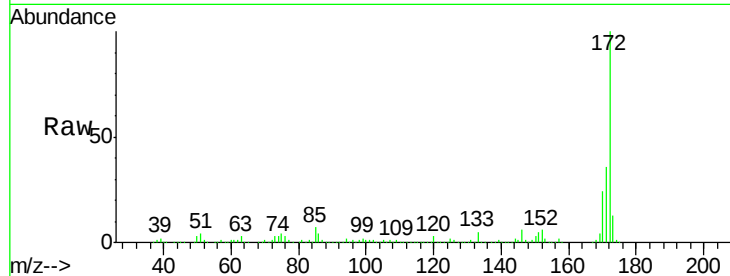




#47
 2-Nitroaniline
 Concen: 3.27 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.22 min
 Lab File: BF100469.D
 Acq: 12 Nov 2017 5:16

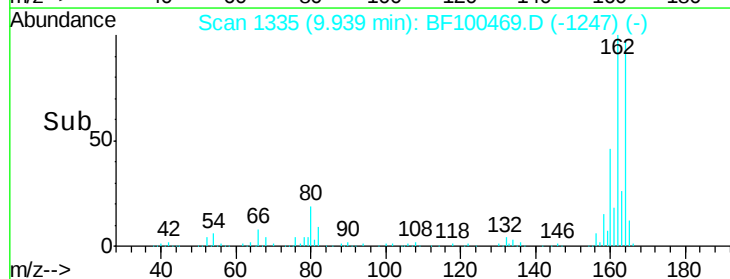
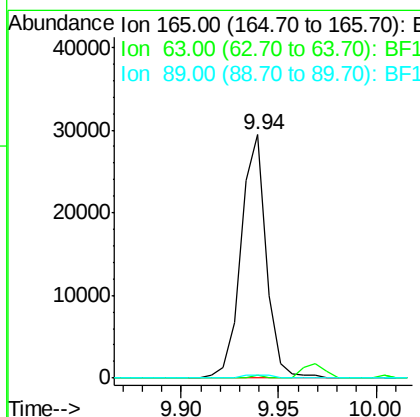
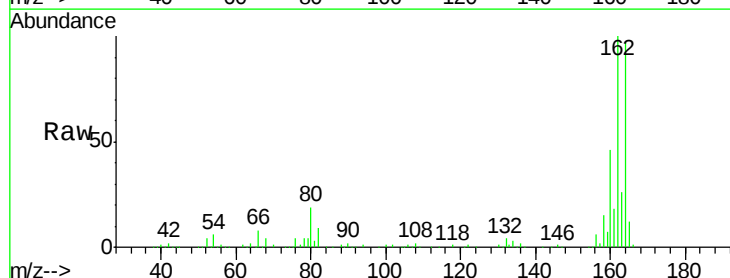
Instrument :
 BNA_F
 ClientSampled :
 4632

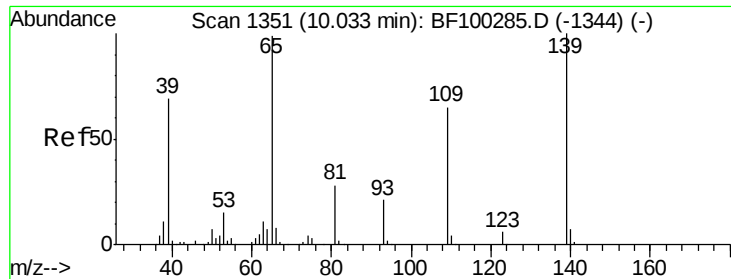
Tgt Ion: 65 Resp: 1984
 Ion Ratio Lower Upper
 65 100
 92 189.3 55.8 83.6#
 138 30.5 91.2 136.8#



#50
 2,6-Dinitrotoluene
 Concen: 8.42 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.22 min
 Lab File: BF100469.D
 Acq: 12 Nov 2017 5:16

Tgt Ion: 165 Resp: 26280
 Ion Ratio Lower Upper
 165 100
 63 1.2 44.7 67.1#
 89 1.2 44.0 66.0#

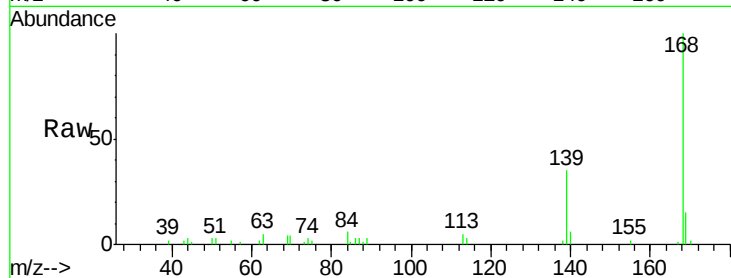




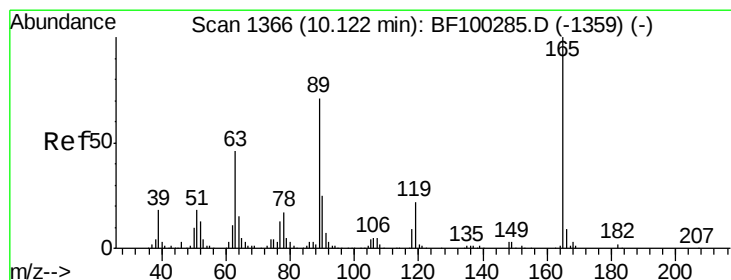
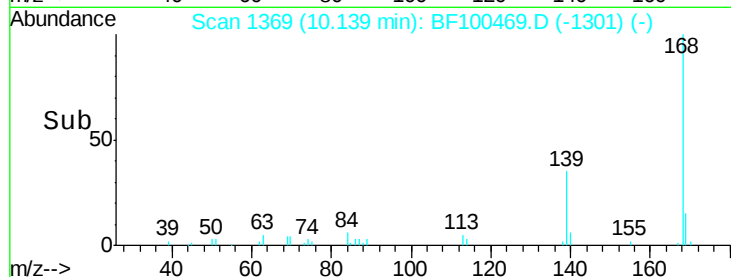
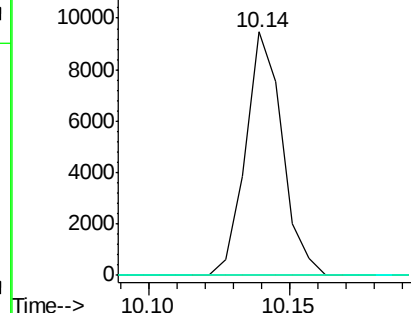
#55
4-Nitrophenol
Concen: 2.85 ng
RT: 10.14 min Scan# 1369
Delta R.T. 0.10 min
Lab File: BF100469.D
Acq: 12 Nov 2017 5:16

Instrument :
BNA_F
ClientSampleId :
4632

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	0.0	72.6	112.6#



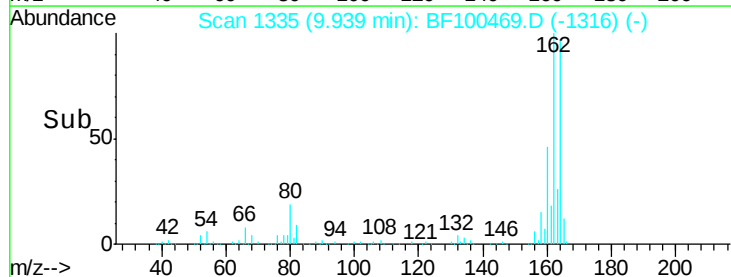
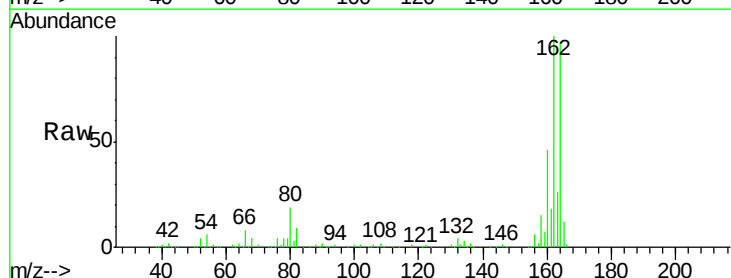
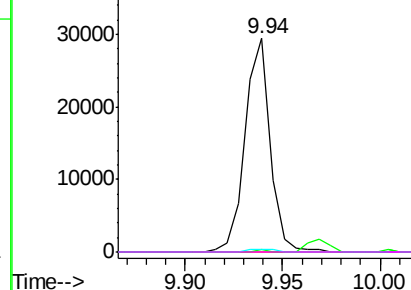
Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

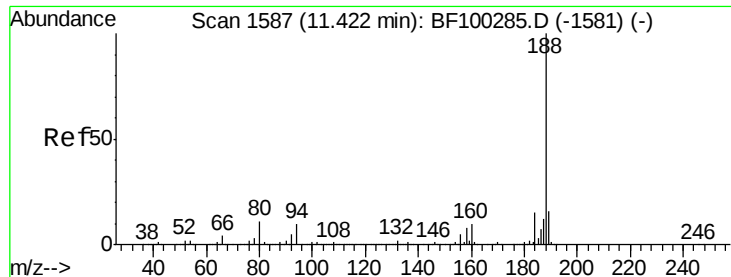


#56
2,4-Dinitrotoluene
Concen: 6.67 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.19 min
Lab File: BF100469.D
Acq: 12 Nov 2017 5:16

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#

Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.00 min

Lab File: BF100469.D

Acq: 12 Nov 2017 5:16

Instrument :

BNA_F

ClientSampleId :

4632

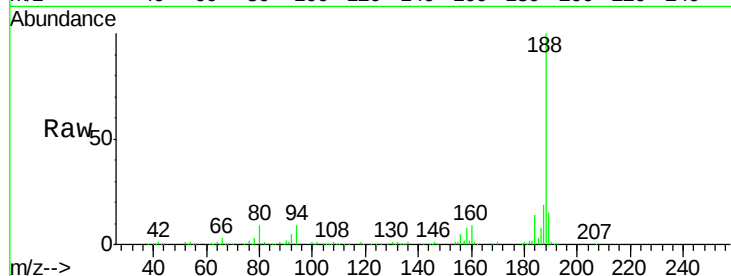
Tgt Ion:188 Resp: 319065

Ion Ratio Lower Upper

188 100

94 8.8 8.5 12.7

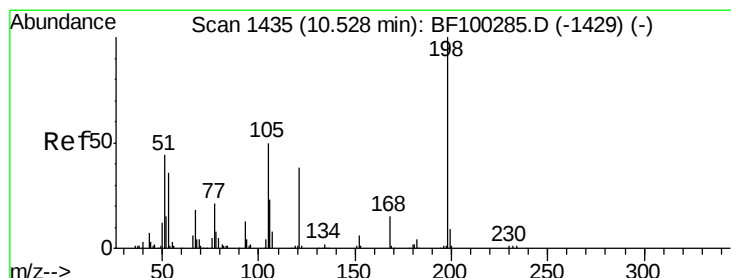
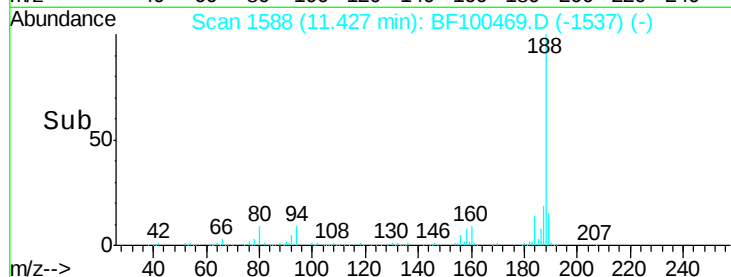
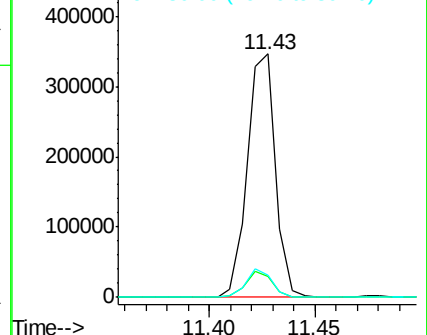
80 9.3 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 8.75 ng

RT: 10.73 min Scan# 1469

Delta R.T. 0.19 min

Lab File: BF100469.D

Acq: 12 Nov 2017 5:16

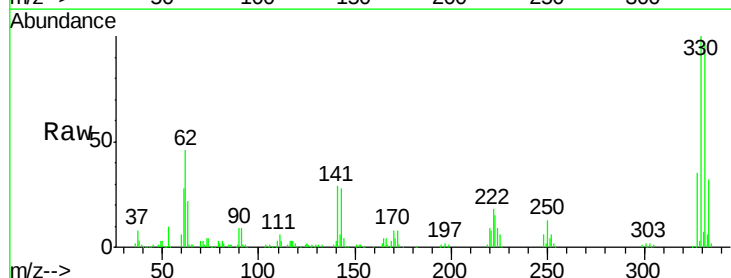
Tgt Ion:198 Resp: 361

Ion Ratio Lower Upper

198 100

51 184.4 37.7 77.7#

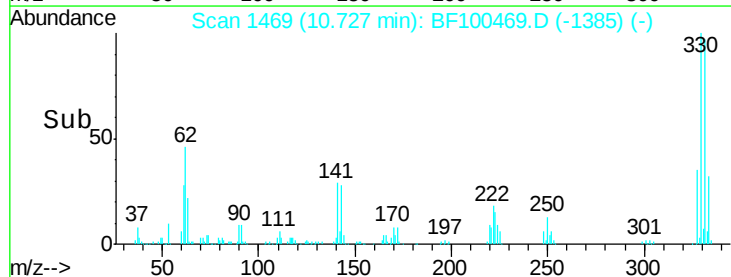
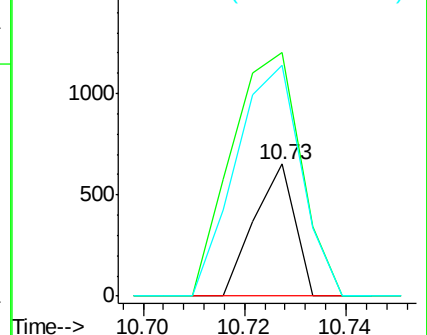
105 174.8 36.3 76.3#

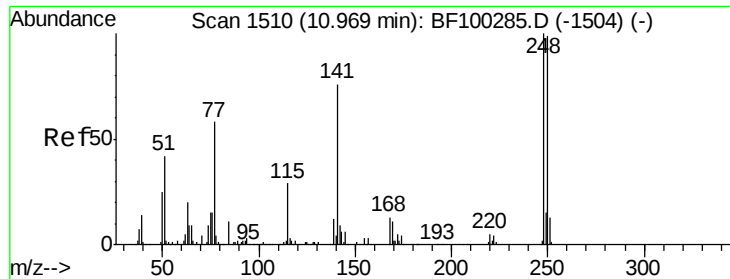


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

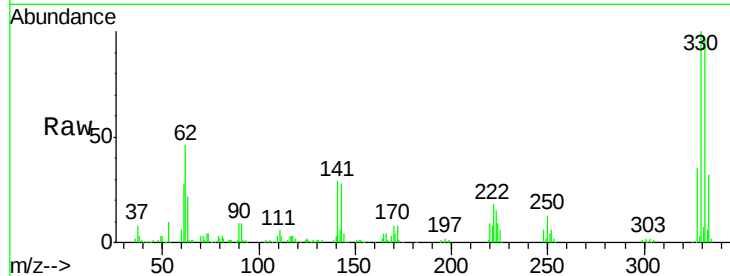




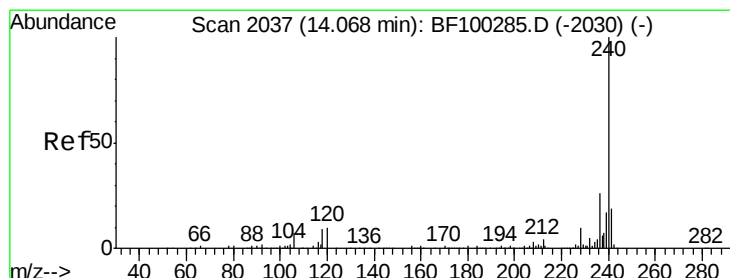
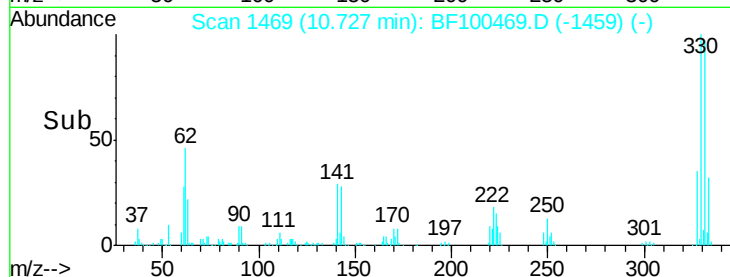
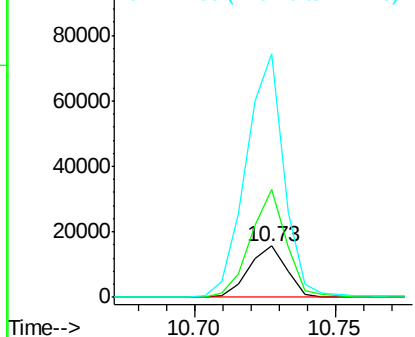
#66
4-Bromophenyl-phenylether
Concen: 4.23 ng
RT: 10.73 min Scan# 1469
Delta R.T. -0.24 min
Lab File: BF100469.D
Acq: 12 Nov 2017 5:16

Instrument :
BNA_F
ClientSampleId :
4632

Tgt Ion:248 Resp: 14466
Ion Ratio Lower Upper
248 100
250 212.0 76.9 115.3#
141 475.7 74.4 111.6#

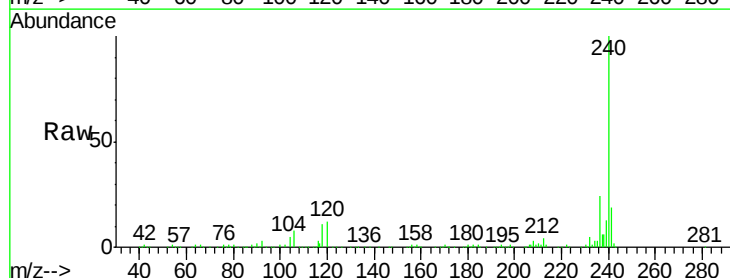


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

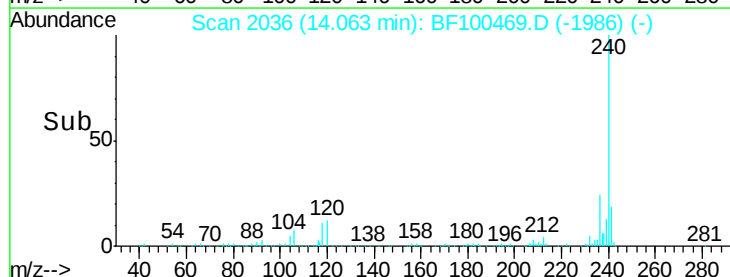
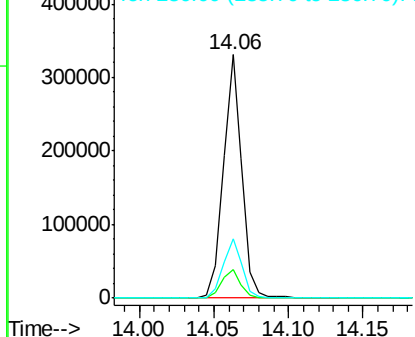


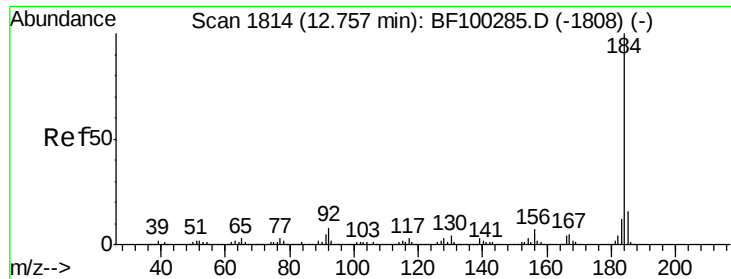
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF100469.D
Acq: 12 Nov 2017 5:16

Tgt Ion:240 Resp: 288652
Ion Ratio Lower Upper
240 100
120 11.6 9.5 14.3
236 24.5 20.7 31.1



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

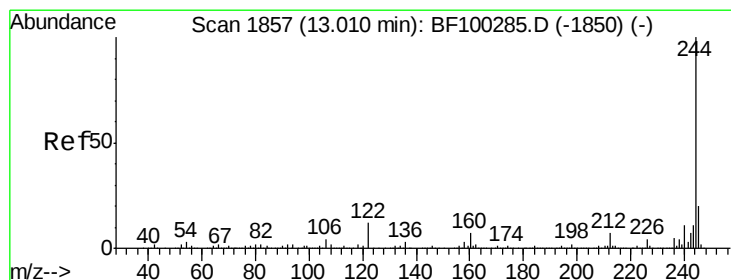
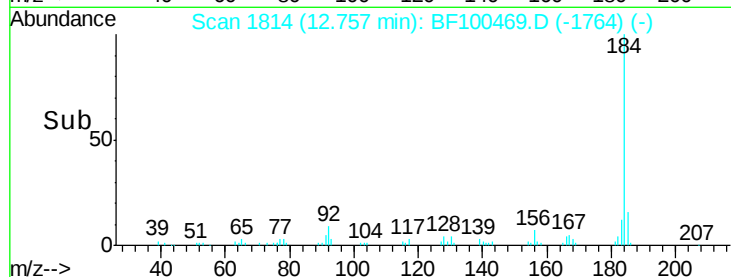
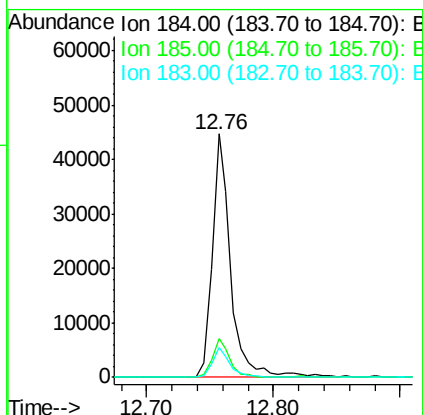
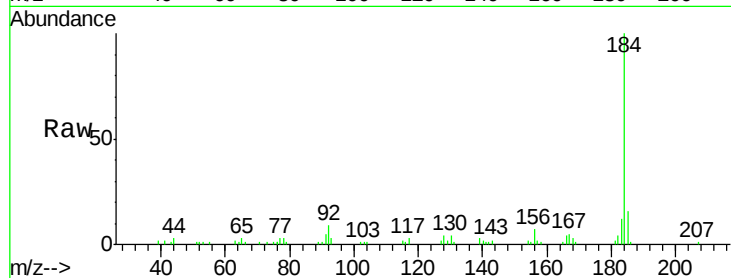




#76
Benzidine
Concen: 3.95 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BF100469.D
Acq: 12 Nov 2017 5:16

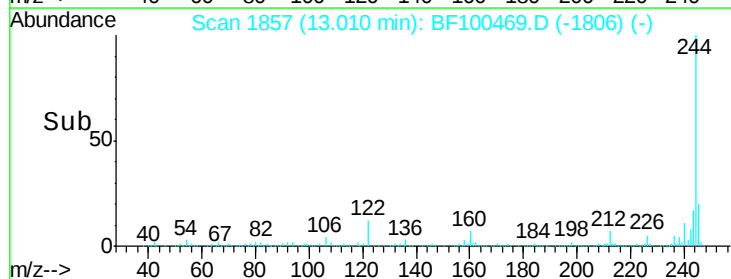
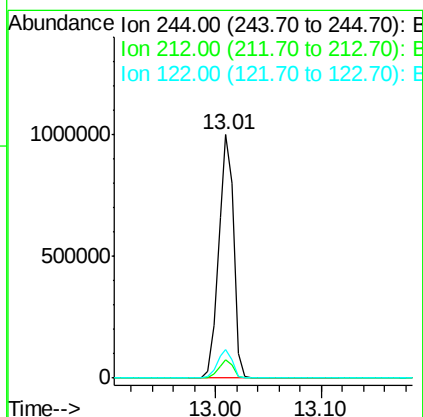
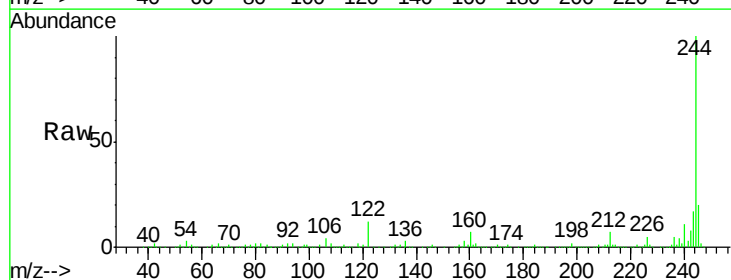
Instrument :
BNA_F
ClientSampleId :
4632

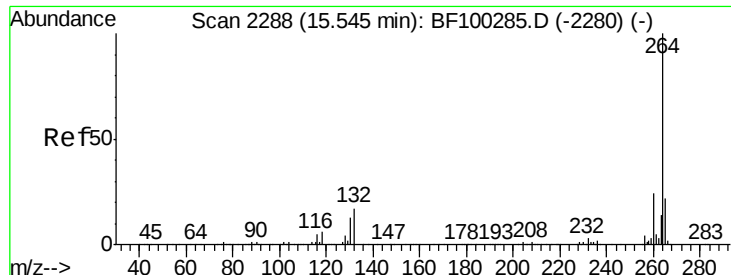
Tgt Ion:184 Resp: 45665
Ion Ratio Lower Upper
184 100
185 16.2 12.6 18.8
183 12.4 9.3 13.9



#78
Terphenyl-d14
Concen: 79.60 ng
RT: 13.01 min Scan# 1857
Delta R.T. -0.00 min
Lab File: BF100469.D
Acq: 12 Nov 2017 5:16

Tgt Ion:244 Resp: 999928
Ion Ratio Lower Upper
244 100
212 7.3 5.4 8.0
122 12.0 11.0 16.4

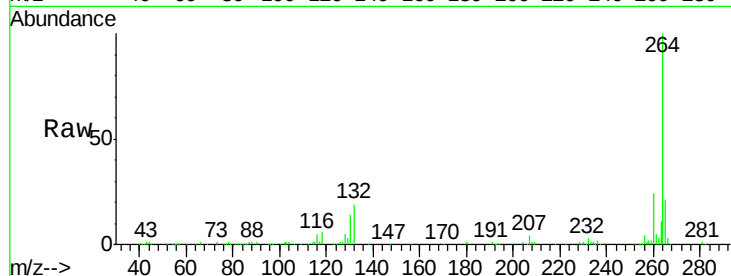




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 2288
Delta R.T. -0.00 min
Lab File: BF100469.D
Acq: 12 Nov 2017 5:16

Instrument :
BNA_F
ClientSampleId :
4632

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.4	17.5	26.3



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

