

Data Path : Z:\HPCHEM1\BNA_F\Data\BF012815\
 Data File : BF077100.D
 Acq On : 28 Jan 2015 14:02
 Operator : TP/IZ
 Sample : G1138-05DL 20X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 275B3DL

Quant Time: Jan 28 16:28:17 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 28 16:07:35 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	24122	20.00	ng	0.00
21) Naphthalene-d8	10.63	136	103001	20.00	ng	0.00
38) Acenaphthene-d10	14.76	164	52515	20.00	ng	0.00
63) Phenanthrene-d10	17.59	188	85867	20.00	ng	-0.01
75) Chrysene-d12	21.10	240	86740	20.00	ng	-0.01
86) Perylene-d12	22.78	264	76961	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.77	112	5529	3.77	ng	0.02
7) Phenol-d6	7.14	99	7488	4.05	ng	0.00
23) Nitrobenzene-d5	9.03	82	6321	3.40	ng	0.00
41) 2,4,6-Tribromophenol	16.48	330	1426	3.35	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	10229	2.96	ng	-0.01
78) Terphenyl-d14	19.84	244	9883	2.62	ng	0.00

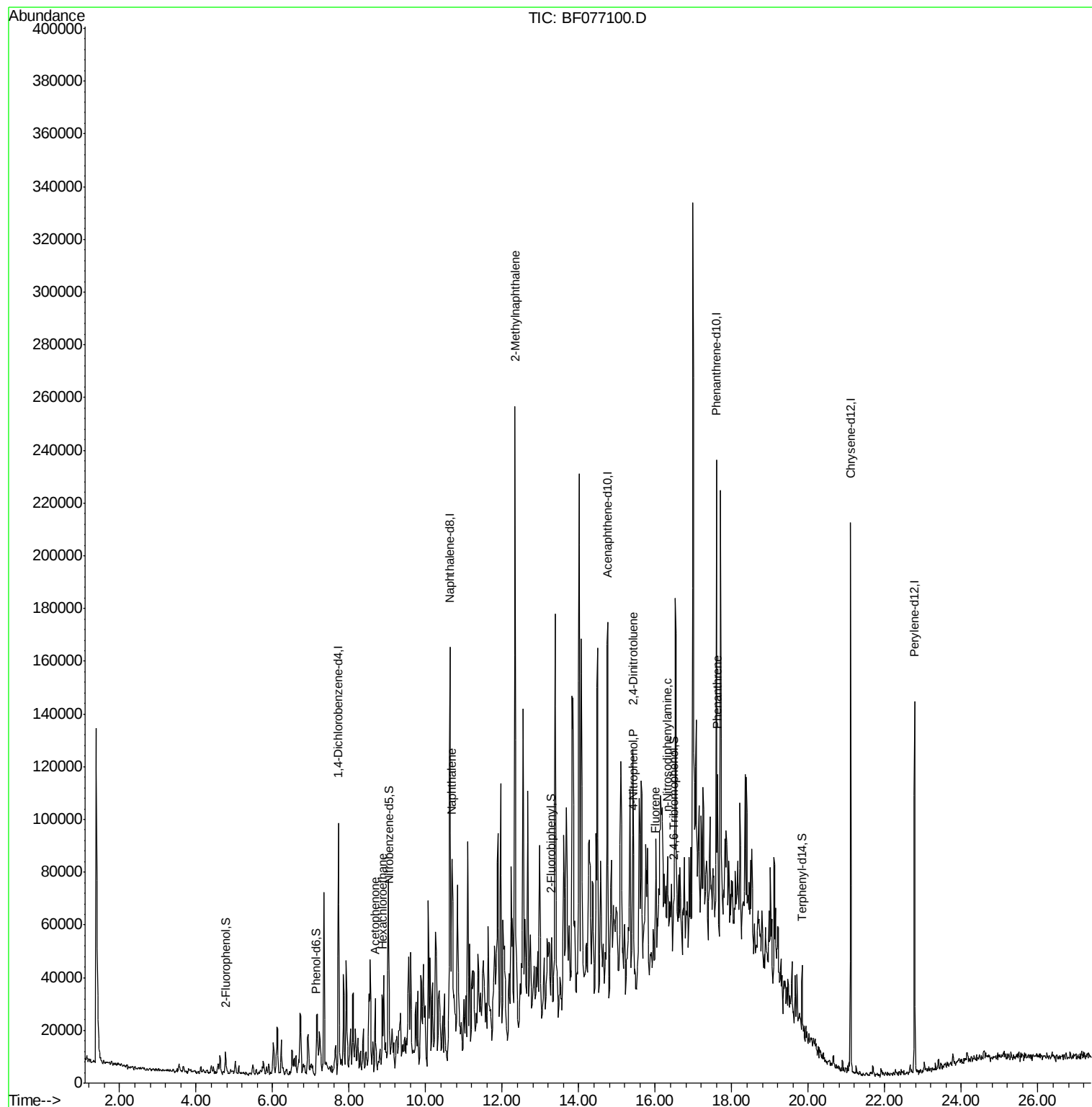
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	8.86	117	1446	2.04	ng	# 1
22) Acetophenone	8.68	105	15344	6.08	ng	# 58
31) Naphthalene	10.68	128	42823	8.08	ng	98
37) 2-Methylnaphthalene	12.33	142	97278	26.86	ng	98
55) 4-Nitrophenol	15.43	139	2901	4.97	ng	# 50
56) 2,4-Dinitrotoluene	15.42	165	1812	3.66	ng	# 48
57) Fluorene	16.00	166	8831	2.33	ng	# 90
65) n-Nitrosodiphenylamine	16.32	169	10264	3.35	ng	# 47
70) Phenanthrene	17.63	178	27825	5.20	ng	# 92

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.72 min Scan# 580

Delta R.T. 0.00 min

Lab File: BF077100.D

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Instrument :

BNA_F

ClientSampleId :

275B3DL

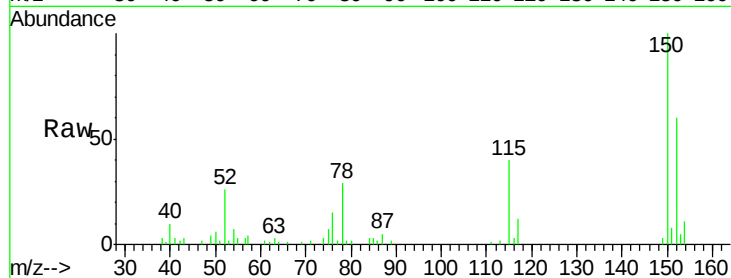
Tgt Ion:152 Resp: 24122

Ion Ratio Lower Upper

152 100

150 167.3 121.7 182.5

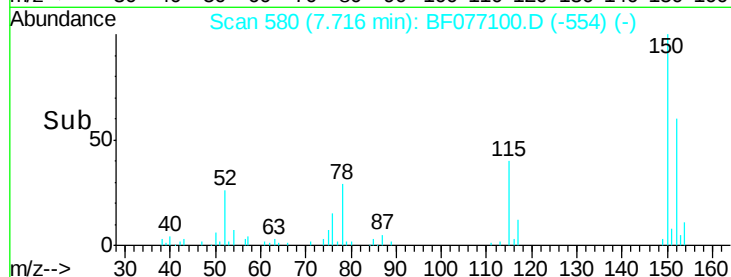
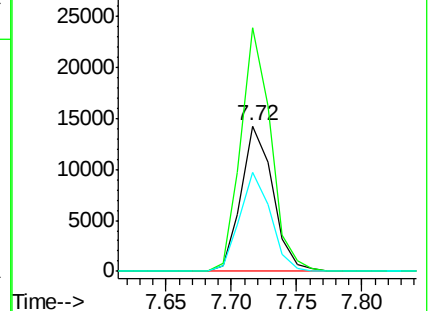
115 67.7 47.0 70.6



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: 3.77 ng

RT: 4.77 min Scan# 322

Delta R.T. 0.02 min

Lab File: BF077100.D

Acq: 28 Jan 2015 14:02

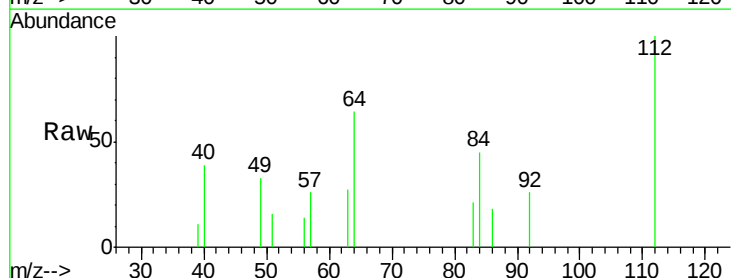
Tgt Ion:112 Resp: 5529

Ion Ratio Lower Upper

112 100

64 63.5 54.2 81.4

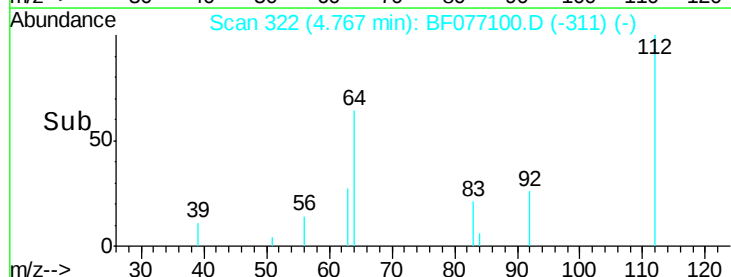
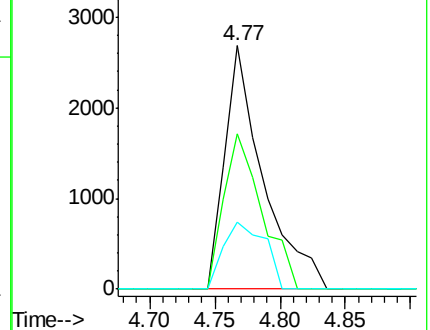
63 27.4 28.4 42.6#

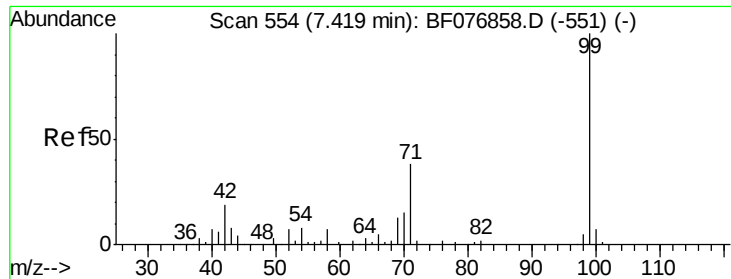


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 4.05 ng

RT: 7.14 min Scan# 530

Delta R.T. 0.00 min

Lab File: BF077100.D

Acq: 28 Jan 2015 14:02

Instrument :

BNA_F

ClientSampleId :

275B3DL

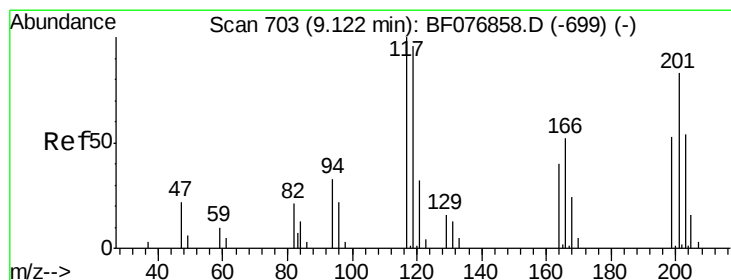
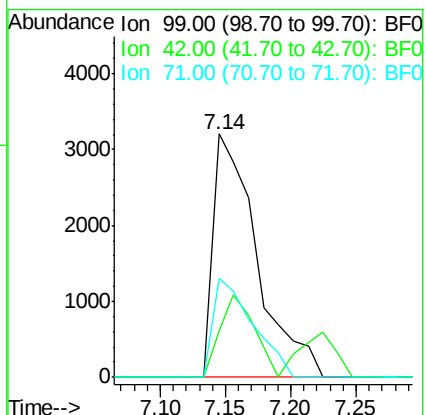
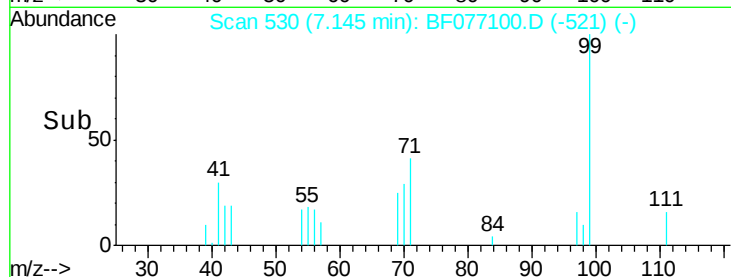
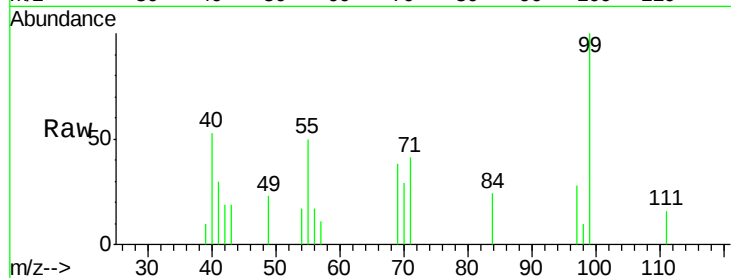
Tgt Ion: 99 Resp: 7488

Ion Ratio Lower Upper

99 100

42 19.2 15.0 22.4

71 40.9 30.5 45.7



#18

Hexachloroethane

Concen: 2.04 ng

RT: 8.86 min Scan# 680

Delta R.T. 0.03 min

Lab File: BF077100.D

Acq: 28 Jan 2015 14:02

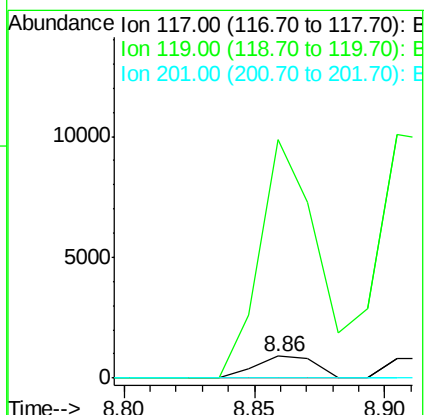
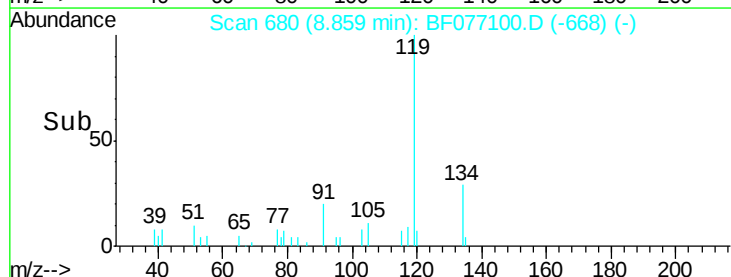
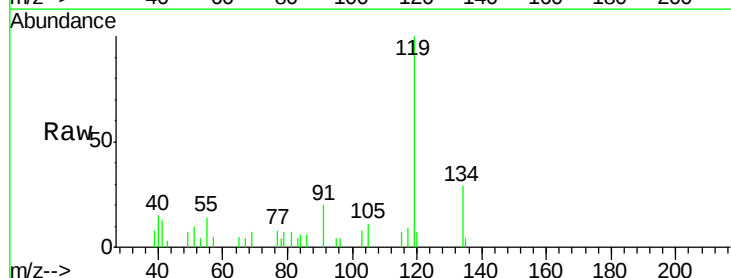
Tgt Ion: 117 Resp: 1446

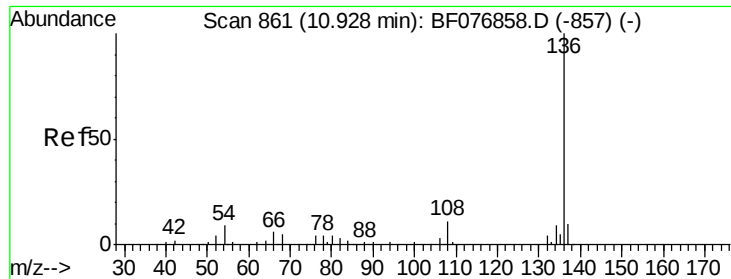
Ion Ratio Lower Upper

117 100

119 1094.4 77.1 115.7#

201 0.0 66.8 100.2#

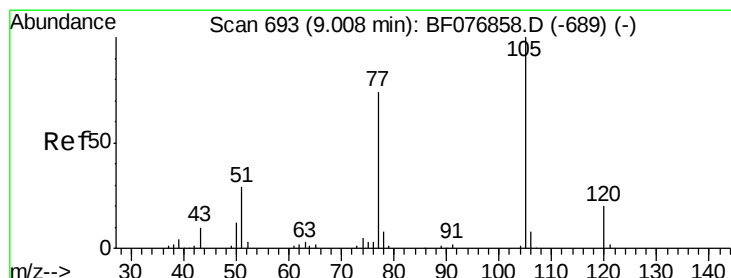
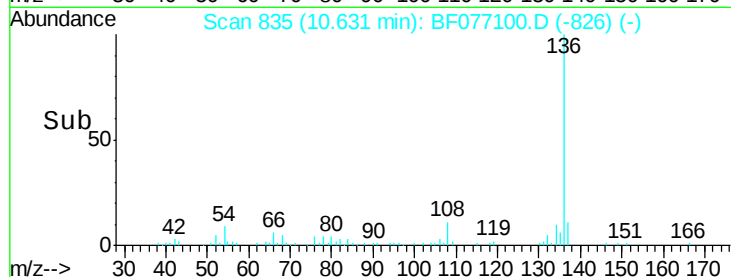
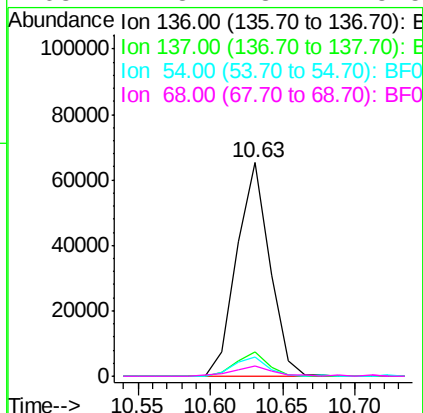
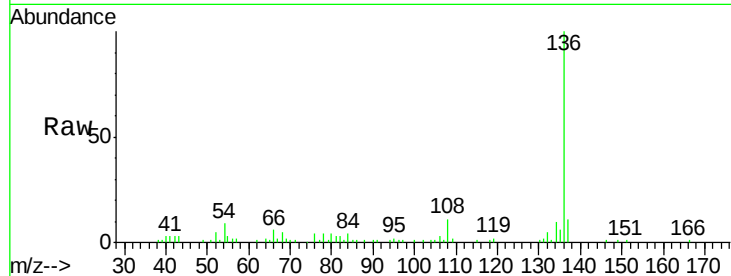




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.63 min Scan# 835
Delta R.T. 0.00 min
Lab File: BF077100.D
Acq: 28 Jan 2015 14:02

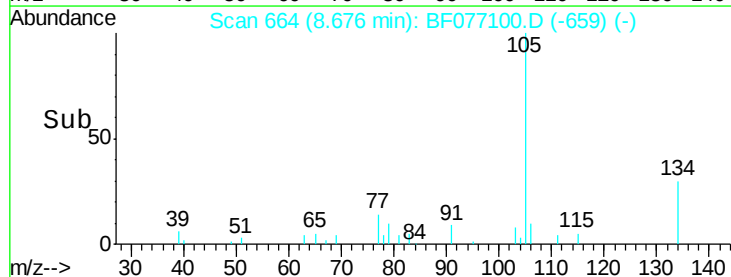
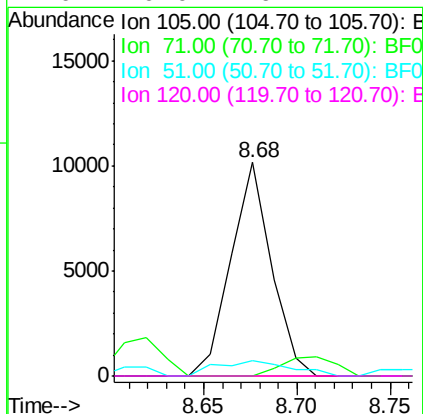
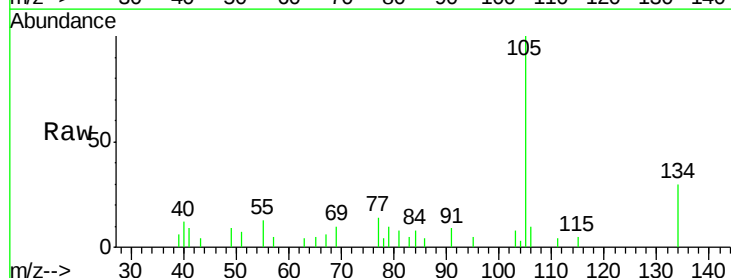
Instrument :
BNA_F
ClientSampleId :
275B3DL

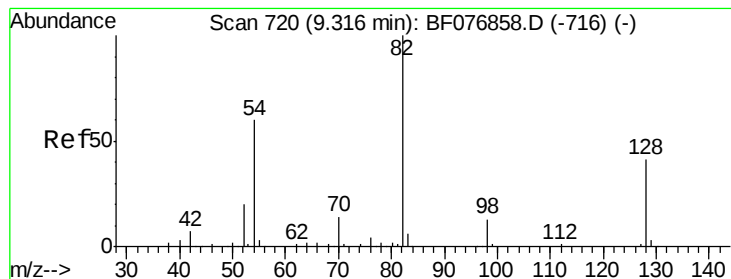
Tgt Ion:	136	Resp:	103001
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.1	12.1
54	8.9	7.0	10.4
68	4.8	3.7	5.5



#22
Acetophenone
Concen: 6.08 ng
RT: 8.68 min Scan# 664
Delta R.T. -0.05 min
Lab File: BF077100.D
Acq: 28 Jan 2015 14:02

Tgt Ion:	105	Resp:	15344
Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.0	0.0
51	7.0	23.3	34.9#
120	0.0	16.1	24.1#





#23

Nitrobenzene-d5

Concen: 3.40 ng

RT: 9.03 min Scan# 695

Delta R.T. 0.00 min

Lab File: BF077100.D

Acq: 28 Jan 2015 14:02

Instrument :

BNA_F

ClientSampleID :

275B3DL

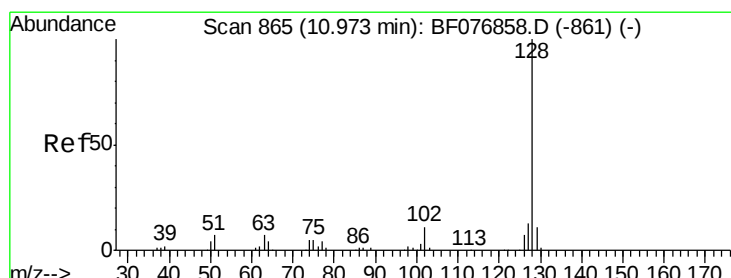
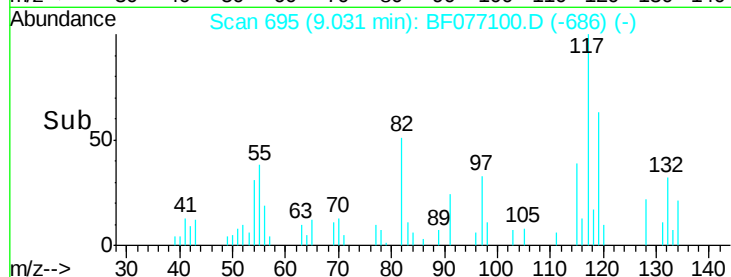
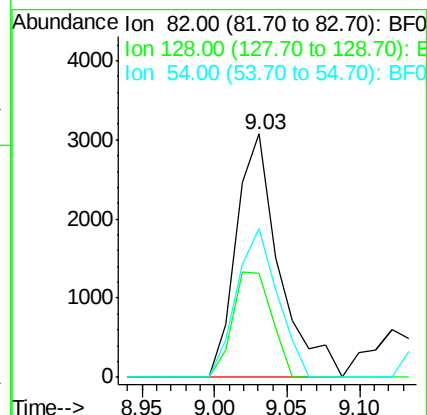
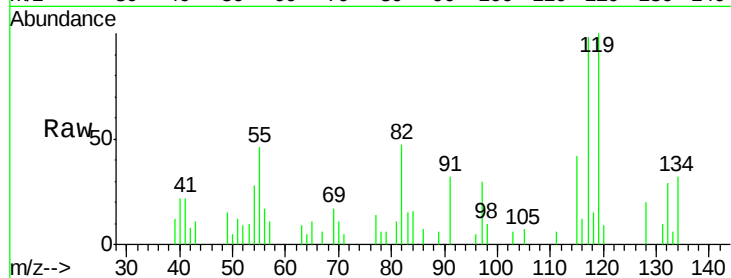
Tgt Ion: 82 Resp: 6321

Ion Ratio Lower Upper

82 100

128 42.9 33.1 49.7

54 61.0 48.3 72.5



#31

Naphthalene

Concen: 8.08 ng

RT: 10.68 min Scan# 839

Delta R.T. 0.00 min

Lab File: BF077100.D

Acq: 28 Jan 2015 14:02

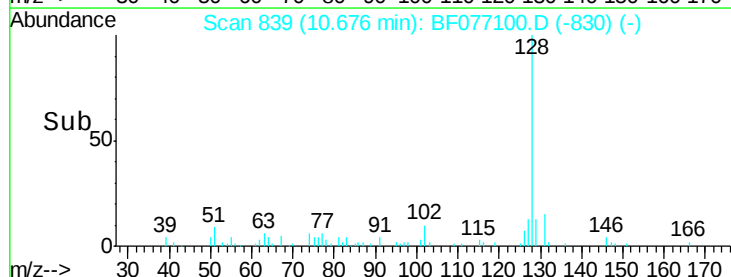
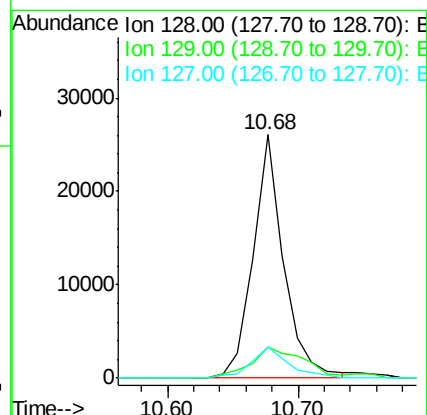
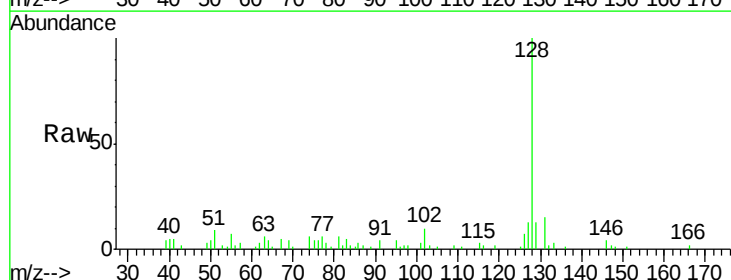
Tgt Ion: 128 Resp: 42823

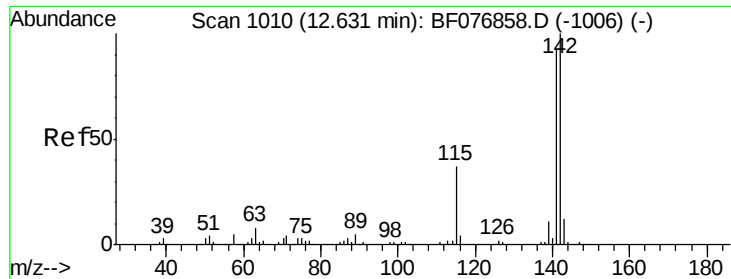
Ion Ratio Lower Upper

128 100

129 12.9 9.0 13.6

127 12.6 10.2 15.2

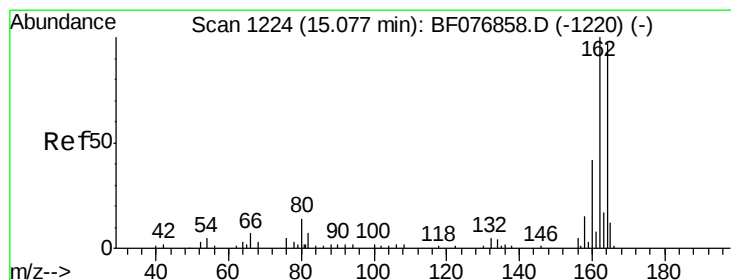
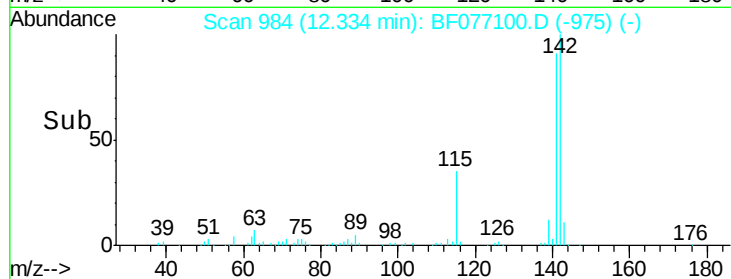
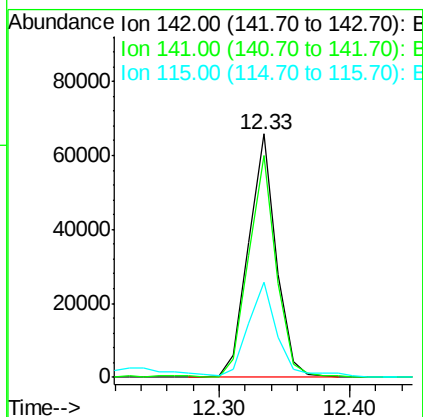
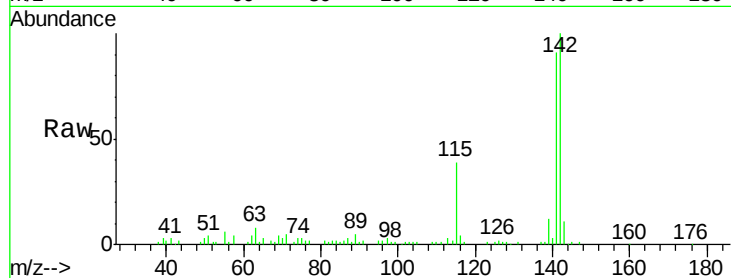




#37
 2-Methylnaphthalene
 Concen: 26.86 ng
 RT: 12.33 min Scan# 984
 Delta R.T. 0.00 min
 Lab File: BF077100.D
 Acq: 28 Jan 2015 14:02

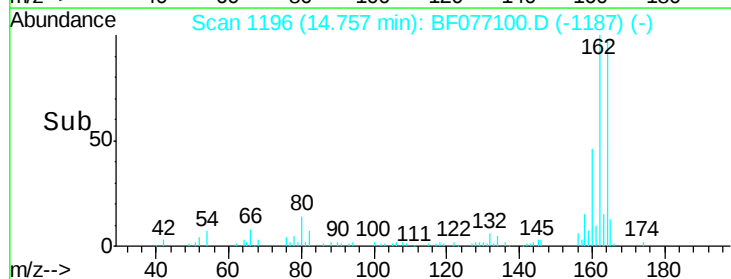
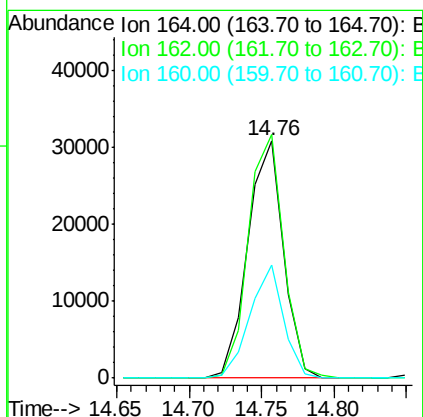
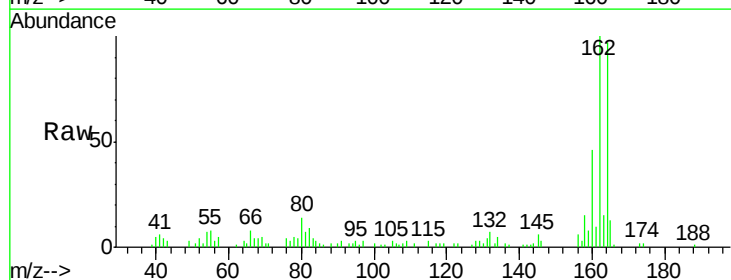
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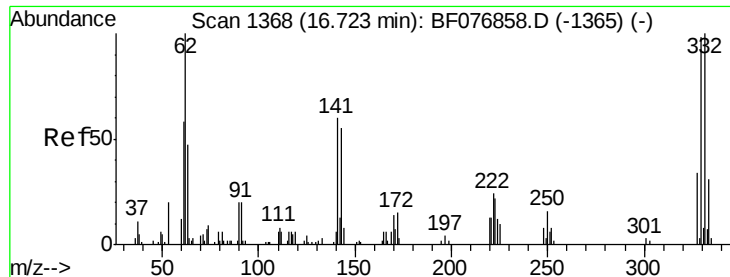
Tgt Ion:142 Resp: 97278
 Ion Ratio Lower Upper
 142 100
 141 91.0 74.5 111.7
 115 39.0 29.7 44.5



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.76 min Scan# 1196
 Delta R.T. 0.00 min
 Lab File: BF077100.D
 Acq: 28 Jan 2015 14:02

Tgt Ion:164 Resp: 52515
 Ion Ratio Lower Upper
 164 100
 162 102.6 82.4 123.6
 160 47.5 34.8 52.2

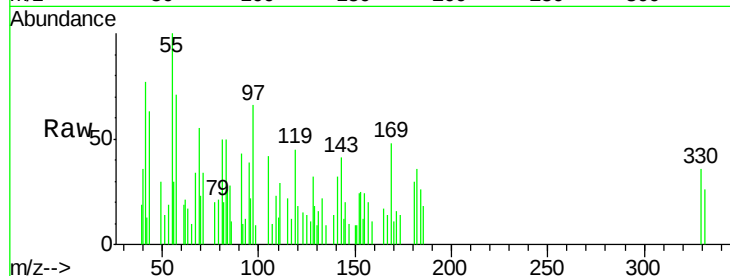




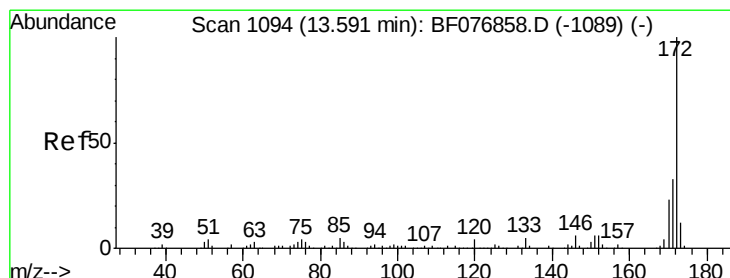
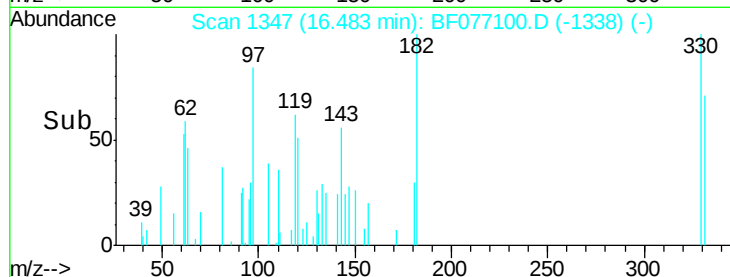
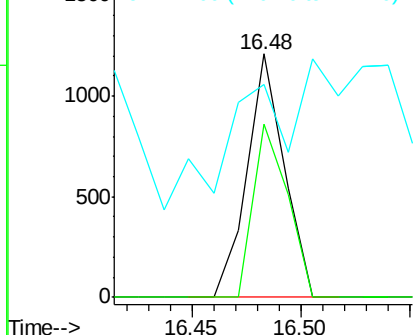
#41
 2,4,6-Tribromophenol
 Concen: 3.35 ng
 RT: 16.48 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: BF077100.D
 Acq: 28 Jan 2015 14:02

Instrument :
 BNA_F
 ClientSampled :
 275B3DL

Tgt Ion: 330 Resp: 1426
 Ion Ratio Lower Upper
 330 100
 332 66.1 77.8 116.6#
 141 84.7 38.5 57.7#

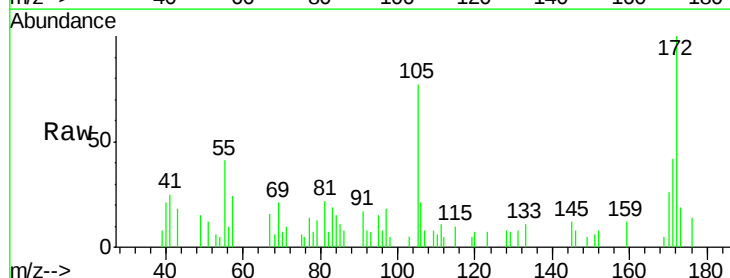


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

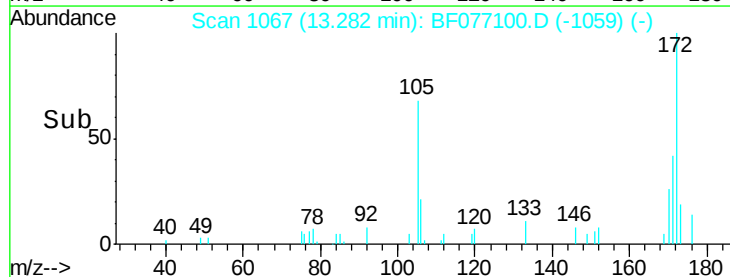
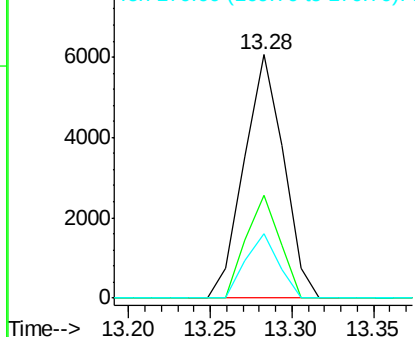


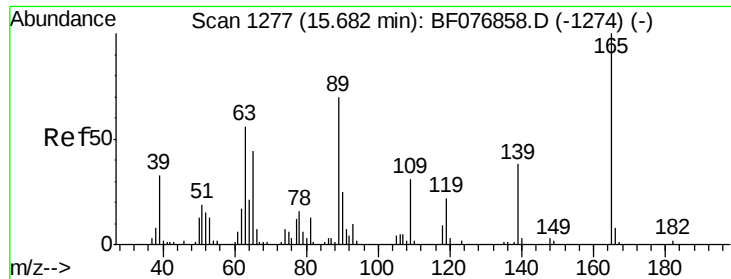
#44
 2-Fluorobiphenyl
 Concen: 2.96 ng
 RT: 13.28 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: BF077100.D
 Acq: 28 Jan 2015 14:02

Tgt Ion: 172 Resp: 10229
 Ion Ratio Lower Upper
 172 100
 171 42.1 26.6 40.0#
 170 26.3 18.0 27.0



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

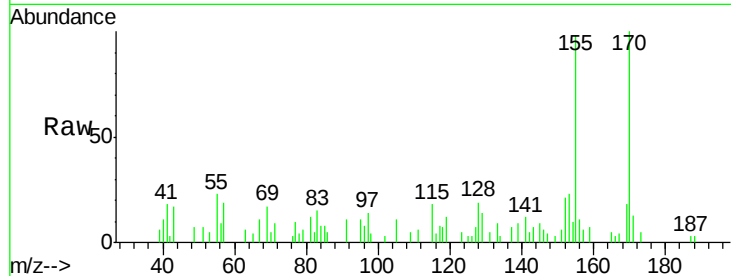




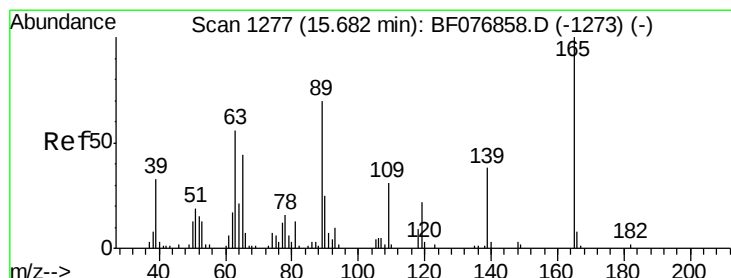
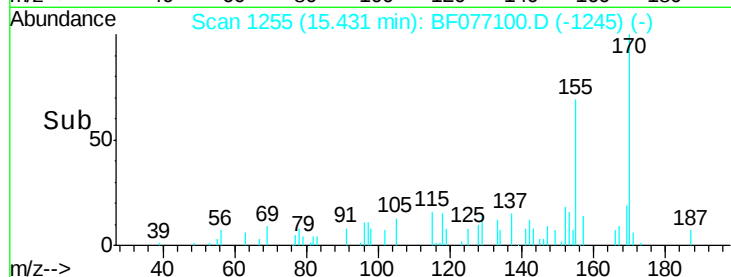
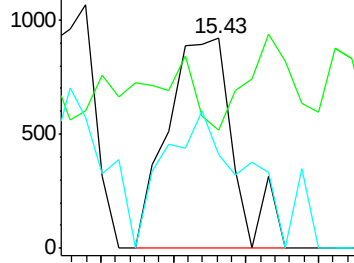
#55
 4-Nitrophenol
 Concen: 4.97 ng
 RT: 15.43 min Scan# 1255
 Delta R.T. 0.01 min
 Lab File: BF077100.D
 Acq: 28 Jan 2015 14:02

Instrument :
 BNA_F
 ClientSampleId :
 275B3DL

Tgt Ion:139 Resp: 2901
 Ion Ratio Lower Upper
 139 100
 109 56.0 61.0 101.0#
 65 44.5 96.6 136.6#

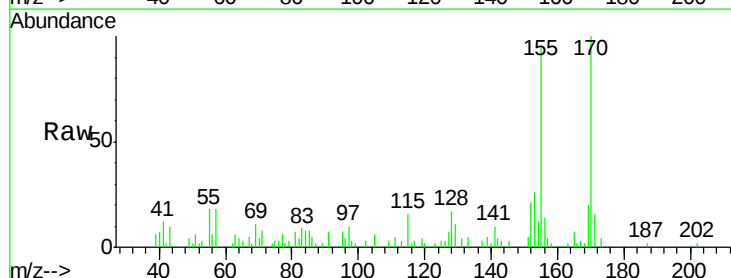


Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF0

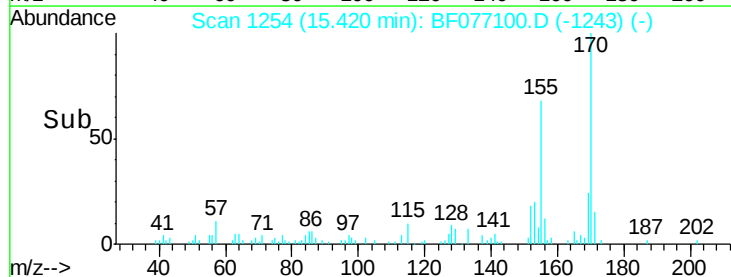
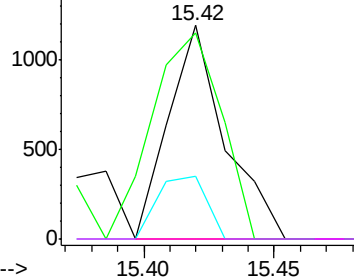


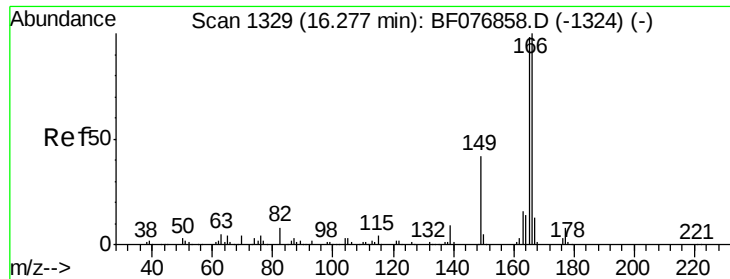
#56
 2,4-Dinitrotoluene
 Concen: 3.66 ng
 RT: 15.42 min Scan# 1254
 Delta R.T. 0.02 min
 Lab File: BF077100.D
 Acq: 28 Jan 2015 14:02

Tgt Ion:165 Resp: 1812
 Ion Ratio Lower Upper
 165 100
 63 96.6 44.8 67.2#
 89 29.4 56.2 84.2#
 182 0.0 1.5 2.3#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

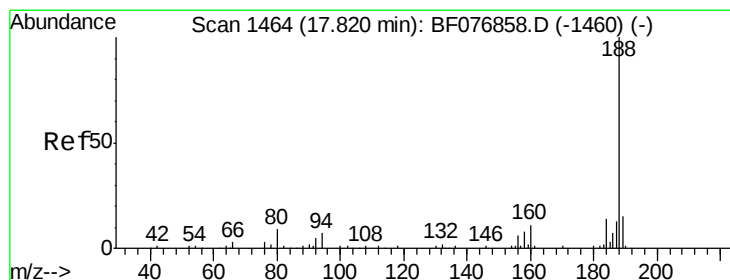
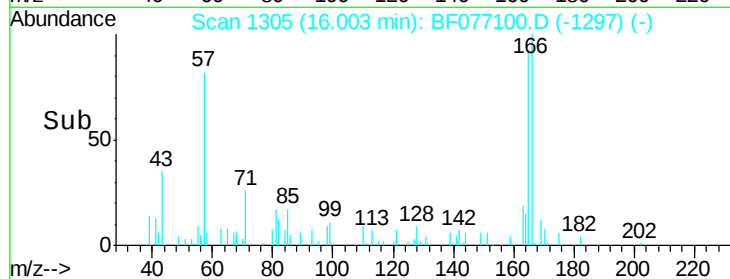
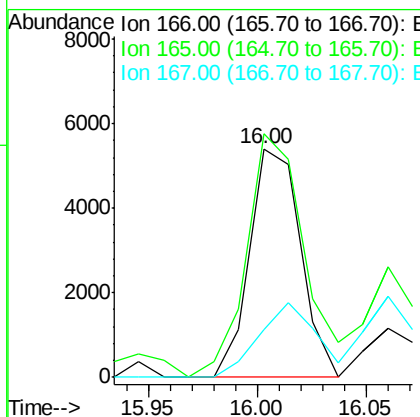
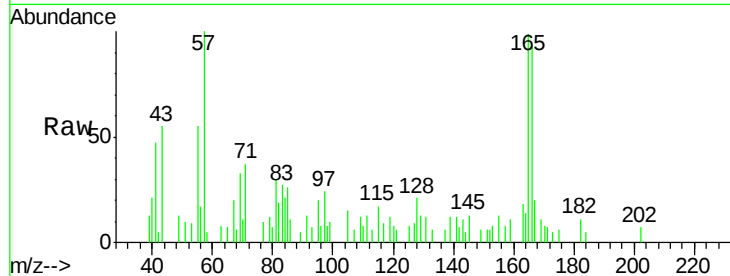




#57
Fluorene
 Concen: 2.33 ng
 RT: 16.00 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF077100.D
 Acq: 28 Jan 2015 14:02

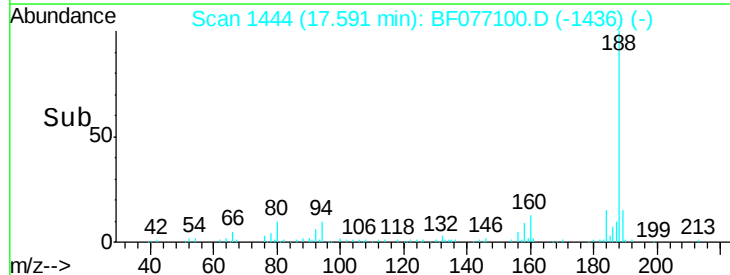
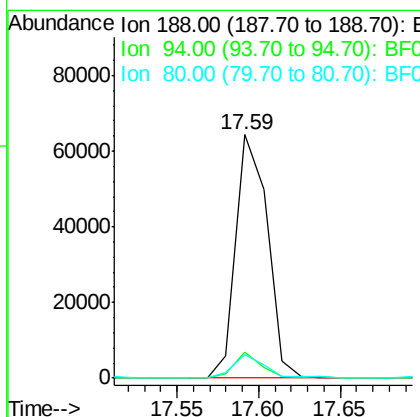
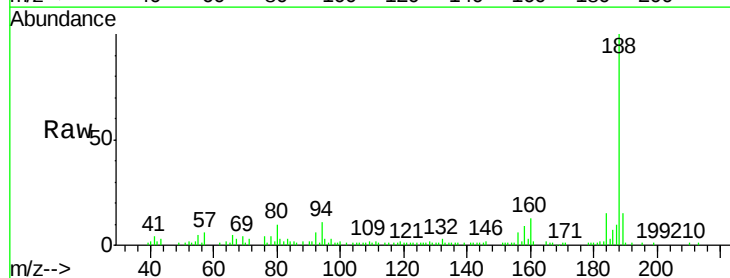
Instrument :
 BNA_F
 ClientSampleId :
 275B3DL

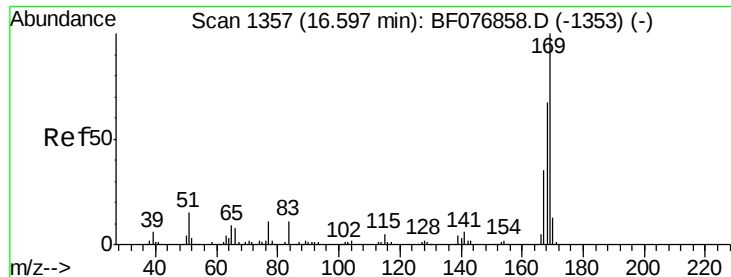
Tgt Ion:166 Resp: 8831
 Ion Ratio Lower Upper
 166 100
 165 106.4 78.5 117.7
 167 21.1 10.4 15.6#



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.59 min Scan# 1444
 Delta R.T. -0.01 min
 Lab File: BF077100.D
 Acq: 28 Jan 2015 14:02

Tgt Ion:188 Resp: 85867
 Ion Ratio Lower Upper
 188 100
 94 10.7 6.0 9.0#
 80 9.9 6.9 10.3

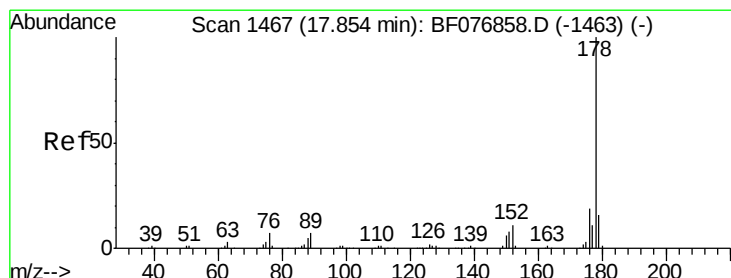
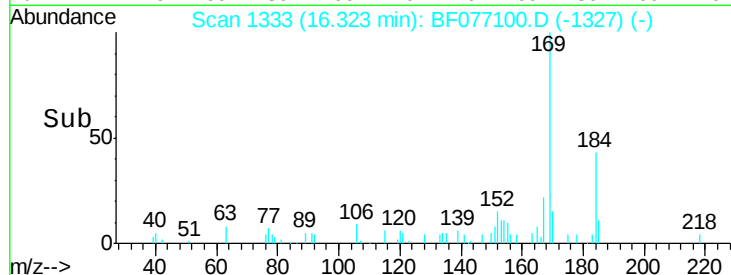
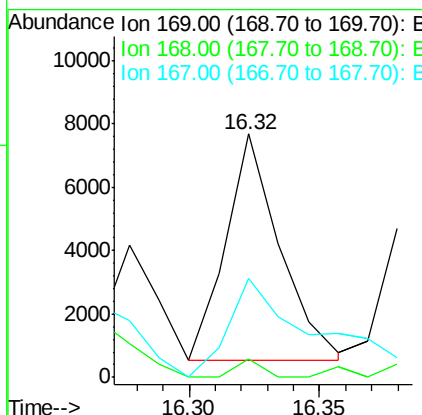
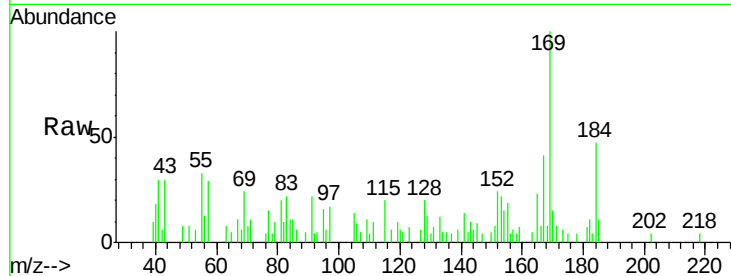




#65
 n-Nitrosodiphenylamine
 Concen: 3.35 ng
 RT: 16.32 min Scan# 1333
 Delta R.T. -0.03 min
 Lab File: BF077100.D
 Acq: 28 Jan 2015 14:02

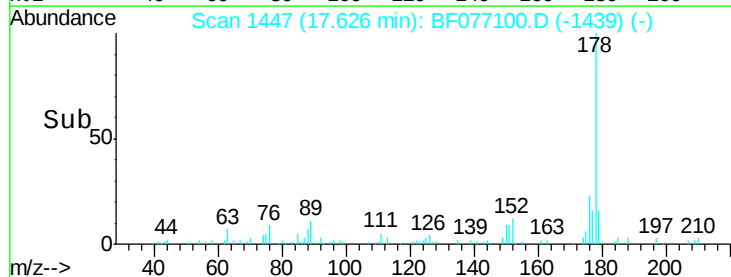
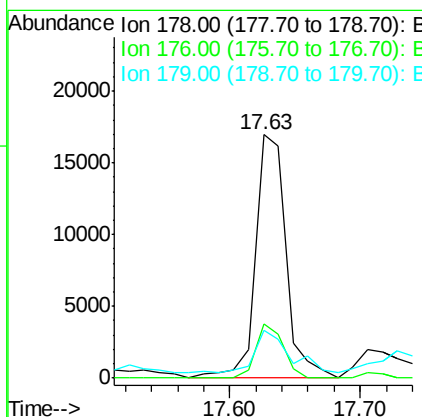
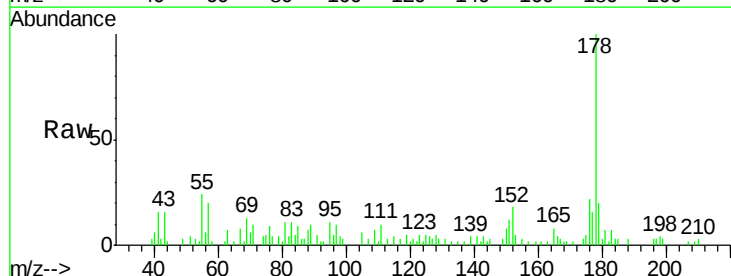
Instrument :
 BNA_F
 ClientSampleId :
 275B3DL

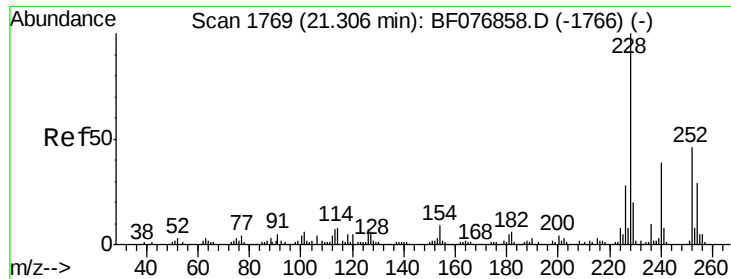
Tgt Ion:169 Resp: 10264
 Ion Ratio Lower Upper
 169 100
 168 7.6 53.8 80.6#
 167 40.8 27.8 41.6



#70
 Phenanthrene
 Concen: 5.20 ng
 RT: 17.63 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF077100.D
 Acq: 28 Jan 2015 14:02

Tgt Ion:178 Resp: 27825
 Ion Ratio Lower Upper
 178 100
 176 22.2 15.1 22.7
 179 19.5 12.7 19.1#

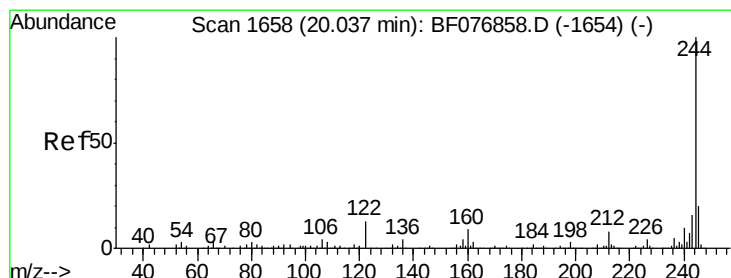
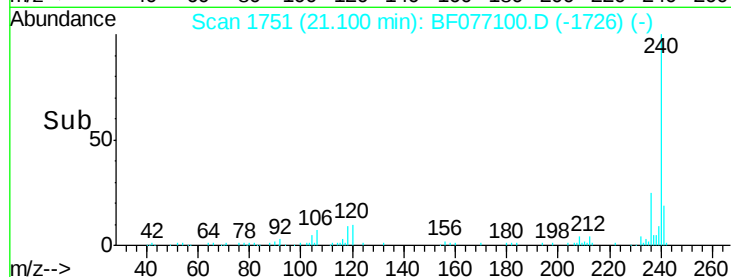
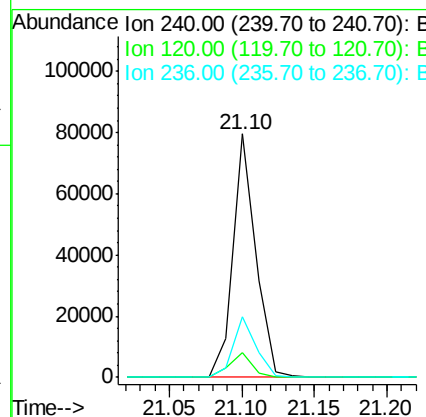
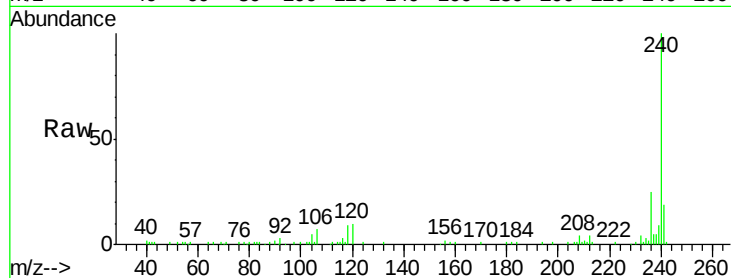




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.10 min Scan# 1751
Delta R.T. -0.01 min
Lab File: BF077100.D
Acq: 28 Jan 2015 14:02

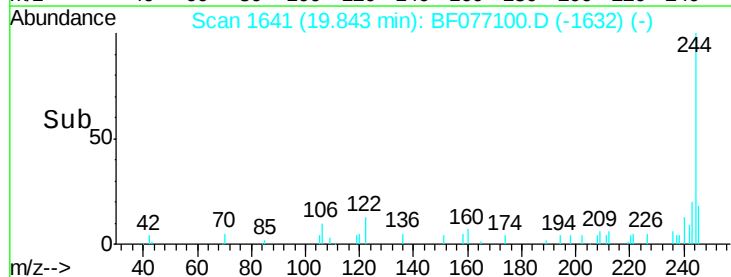
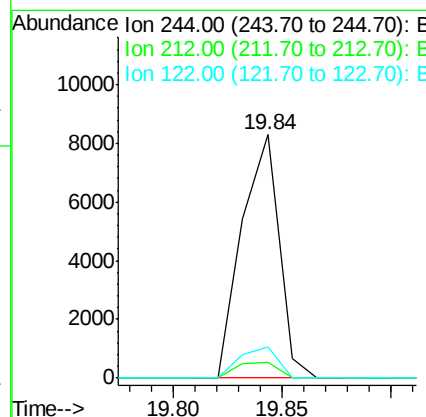
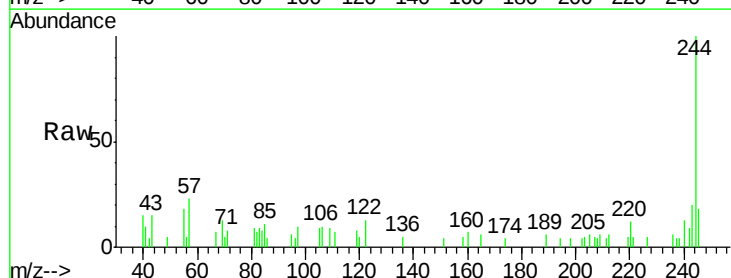
Instrument :
BNA_F
ClientSampleId :
275B3DL

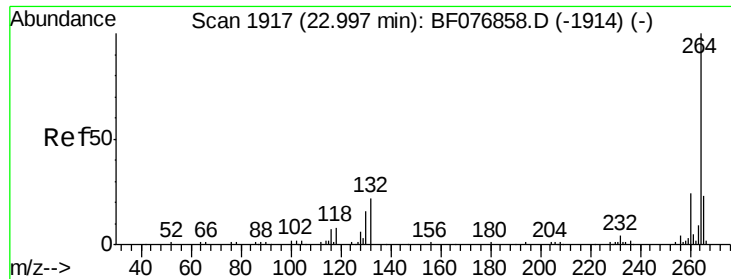
Tgt Ion:240 Resp: 86740
Ion Ratio Lower Upper
240 100
120 10.0 10.4 15.6#
236 25.0 20.2 30.2



#78
Terphenyl-d14
Concen: 2.62 ng
RT: 19.84 min Scan# 1641
Delta R.T. 0.00 min
Lab File: BF077100.D
Acq: 28 Jan 2015 14:02

Tgt Ion:244 Resp: 9883
Ion Ratio Lower Upper
244 100
212 6.3 6.3 9.5
122 12.6 10.1 15.1

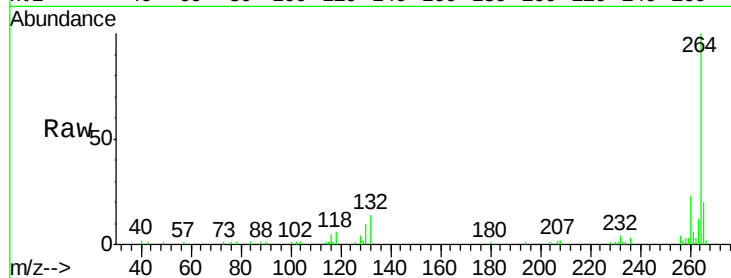




#86
Perylene-d12
Concen: 20.00 ng
RT: 22.78 min Scan# 1898
Delta R.T. -0.03 min
Lab File: BF077100.D
Acq: 28 Jan 2015 14:02

Instrument :
BNA_F
ClientSampleId :
275B3DL

Tgt Ion: 264 Resp: 76961
Ion Ratio Lower Upper
264 100
260 22.6 19.0 28.4
265 19.6 18.1 27.1



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

