

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033016\
 Data File : BF085883.D
 Acq On : 30 Mar 2016 13:47
 Operator : UM/SJ
 Sample : H1739-03DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PT-BN-WPDL

Quant Time: Mar 30 23:44:44 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 30 12:31:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	99391	20.00	ng	0.15
21) Naphthalene-d8	8.08	136	414207	20.00	ng	-0.01
38) Acenaphthene-d10	9.84	164	189408	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	355457	20.00	ng	-0.01
75) Chrysene-d12	13.96	240	286708	20.00	ng	-0.01
86) Perylene-d12	15.37	264	219294	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.38	112	201064	33.69	ng	-0.01
7) Phenol-d6	6.44	99	257674	33.96	ng	-0.01
23) Nitrobenzene-d5	7.36	82	162138	22.04	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	51477	28.60	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	297035	26.20	ng	-0.01
78) Terphenyl-d14	12.91	244	294843	21.15	ng	0.00

Target Compounds

						Qvalue
4) n-Nitrosodimethylamine	3.00	42	89272	32.64	ng	94
6) Aniline	6.53	93	175138	17.15	ng	# 54
11) bis(2-Chloroethyl)ether	6.53	93	175138	26.47	ng	96
12) 1,3-Dichlorobenzene	6.73	146	271269	36.33	ng	# 91
13) 1,4-Dichlorobenzene	6.73	146	271269	35.82	ng	99
18) Hexachloroethane	7.30	117	74566	26.89	ng	# 83
19) n-Nitroso-di-n-propylamine	7.36	70	20819	4.58	ng	# 79
24) Nitrobenzene	7.38	77	134138	17.69	ng	# 87
25) Isophorone	7.62	82	466188	32.90	ng	# 91
26) 2-Nitrophenol	7.62	139	8252	2.18	ng	# 69
30) 1,2,4-Trichlorobenzene	8.02	180	64295	10.39	ng	98
31) Naphthalene	8.10	128	123253	5.91	ng	98
37) 2-Methylnaphthalene	8.80	142	195613	13.14	ng	97
46) 2-Chloronaphthalene	9.28	162	431586	36.72	ng	# 91
48) Acenaphthylene	9.88	152	170067	8.88	ng	# 1
49) Dimethylphthalate	9.56	163	510740	35.54	ng	99
50) 2,6-Dinitrotoluene	9.62	165	85755	27.72	ng	92
51) Acenaphthene	9.88	154	311781	26.65	ng	100
56) 2,4-Dinitrotoluene	10.04	165	44812	11.40	ng	91
57) Fluorene	10.39	166	348294	27.68	ng	100
59) Diethylphthalate	10.25	149	292210	20.58	ng	95
60) 4-Chlorophenyl-phenylether	10.38	204	183049	29.75	ng	94
62) Azobenzene	10.38	77	83186	6.10	ng	# 47
66) 4-Bromophenyl-phenylether	10.87	248	17478	4.81	ng	# 90
67) Hexachlorobenzene	10.94	284	44647	11.74	ng	# 91
70) Phenanthrene	11.35	178	790051	43.29	ng	99
71) Anthracene	11.40	178	182500	9.52	ng	98
73) Di-n-butylphthalate	11.89	149	509153	23.06	ng	98
74) Fluoranthene	12.53	202	380052	19.59	ng	98
77) Pyrene	12.53	202	380052	16.13	ng	99
79) Butylbenzylphthalate	13.37	149	139838	14.17	ng	# 71
83) Bis(2-ethylhexyl)phthalate	13.93	149	473485	40.07	ng	99
84) Di-n-octyl phthalate	14.55	149	697984	39.72	ng	99
85) Indeno(1,2,3-cd)pyrene	16.75	276	103799	8.16	ng	# 91

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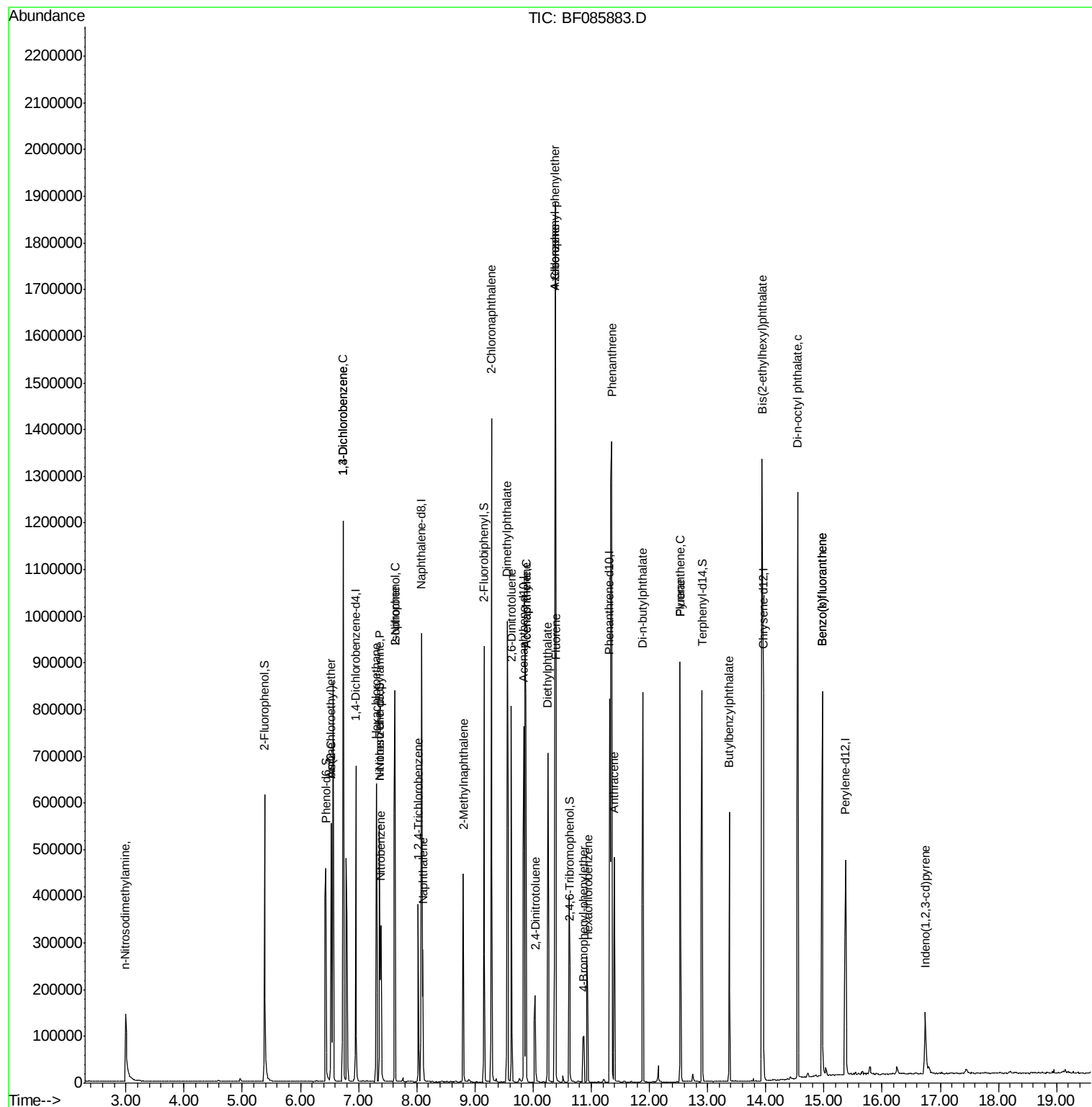
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Benzo(b)fluoranthene	14.97	252	418436	30.29	ng	# 95
88) Benzo(k)fluoranthene	14.97	252	418436	33.60	ng	98

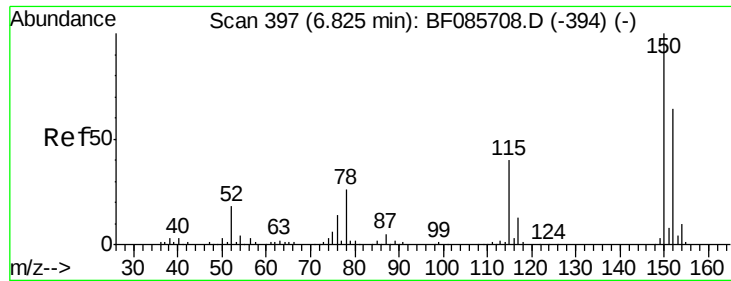
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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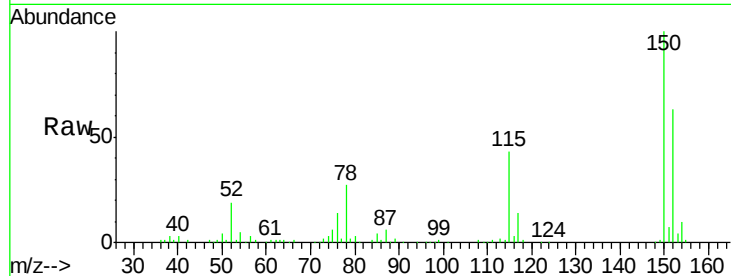


#1

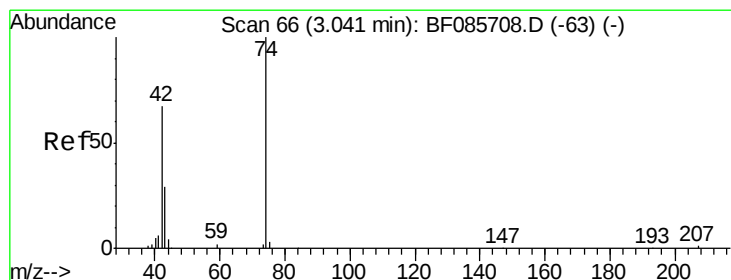
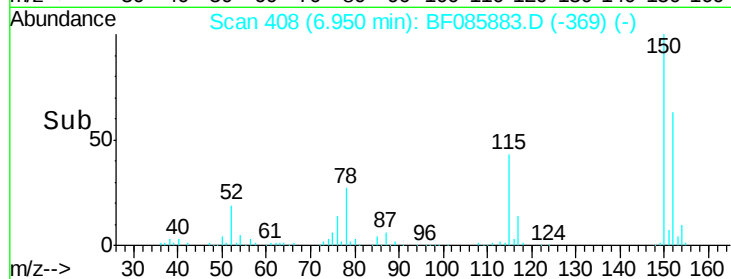
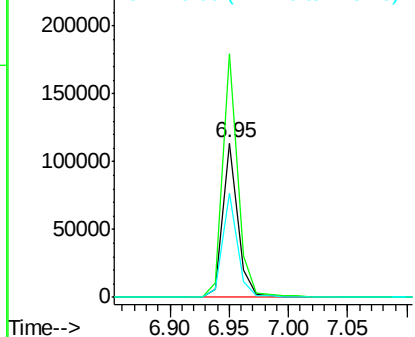
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.95 min Scan# 408
Delta R.T. 0.15 min
Lab File: BF085883.D
Acq: 30 Mar 2016 13:47

Instrument :
BNA_F
ClientSampleId :
PT-BN-WPDL

Tgt Ion:152 Resp: 99391
Ion Ratio Lower Upper
152 100
150 157.6 124.2 186.2
115 67.7 47.0 70.6



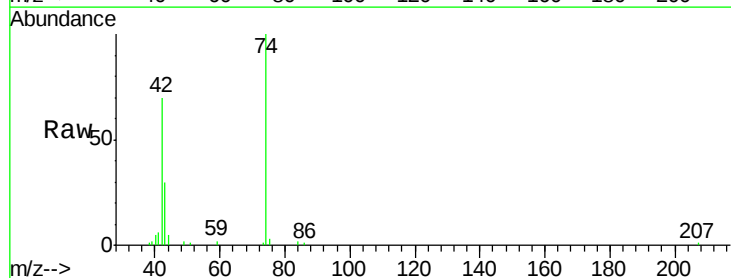
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



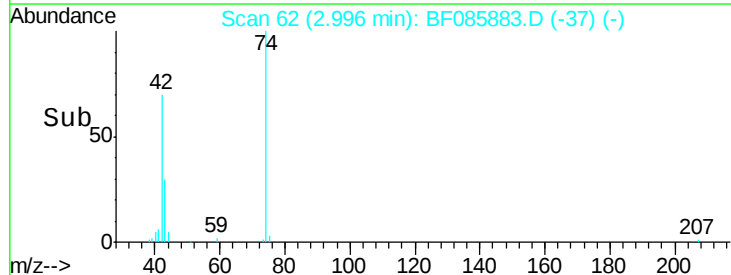
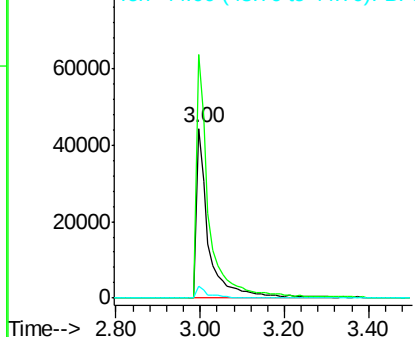
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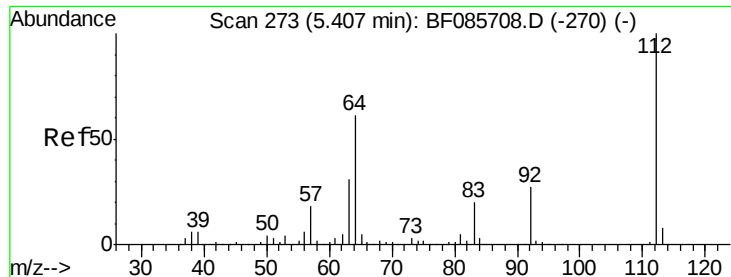
n-Nitrosodimethylamine
Concen: 32.64 ng
RT: 3.00 min Scan# 62
Delta R.T. -0.01 min
Lab File: BF085883.D
Acq: 30 Mar 2016 13:47

Tgt Ion: 42 Resp: 89272
Ion Ratio Lower Upper
42 100
74 143.6 121.4 182.2
44 7.1 5.6 8.4



Abundance Ion 42.00 (41.70 to 42.70): BF0
Ion 74.00 (73.70 to 74.70): BF0
Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 33.69 ng

RT: 5.38 min Scan# 271

Delta R.T. -0.01 min

Lab File: BF085883.D

Acq: 30 Mar 2016 13:47

Instrument :

BNA_F

ClientSampleId :

PT-BN-WPDL

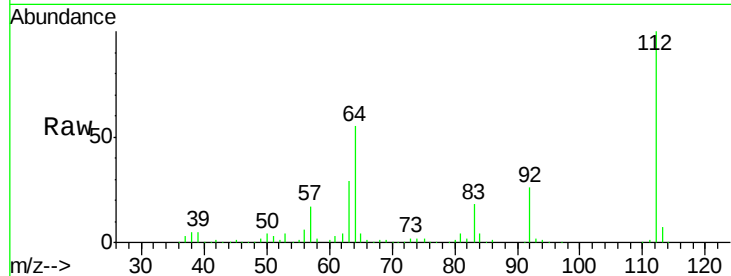
Tgt Ion: 112 Resp: 201064

Ion Ratio Lower Upper

112 100

64 55.0 39.9 59.9

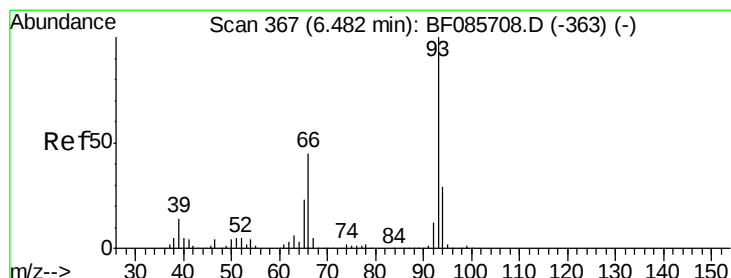
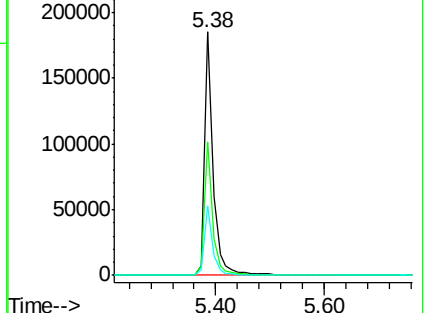
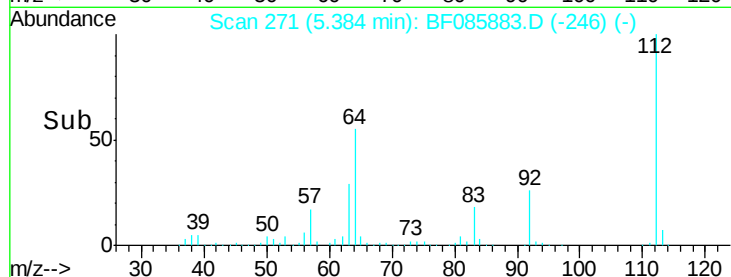
63 28.6 20.2 30.2



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 17.15 ng

RT: 6.53 min Scan# 371

Delta R.T. 0.07 min

Lab File: BF085883.D

Acq: 30 Mar 2016 13:47

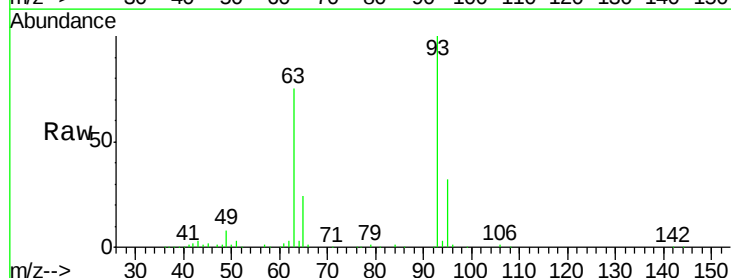
Tgt Ion: 93 Resp: 175138

Ion Ratio Lower Upper

93 100

66 0.6 31.4 47.2#

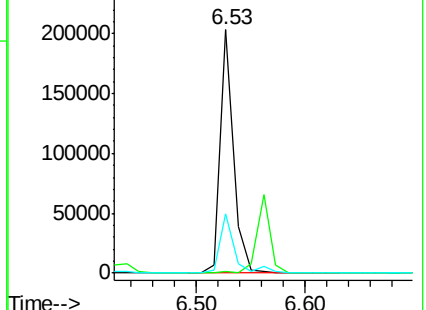
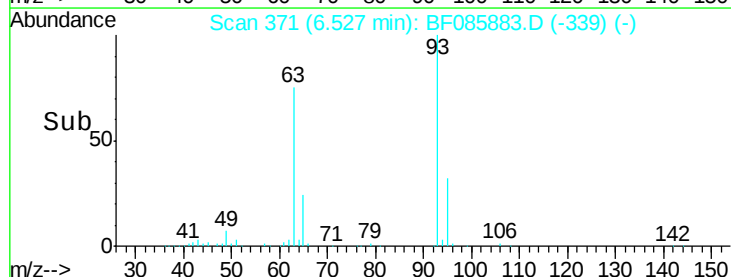
65 24.3 15.7 23.5#

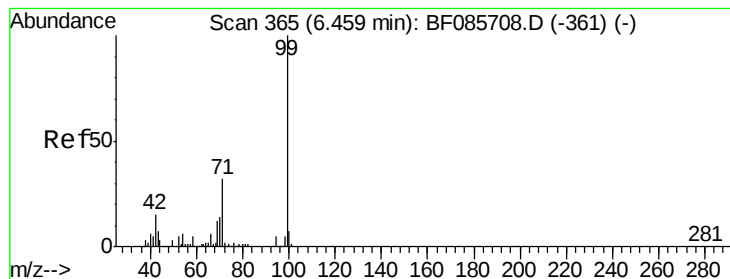


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 33.96 ng

RT: 6.44 min Scan# 363

Delta R.T. -0.01 min

Lab File: BF085883.D

Acq: 30 Mar 2016 13:47

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PT-BN-WPDL

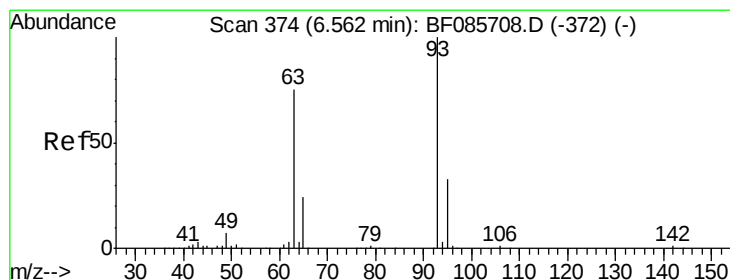
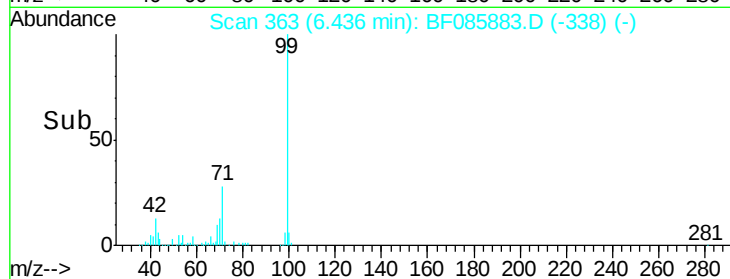
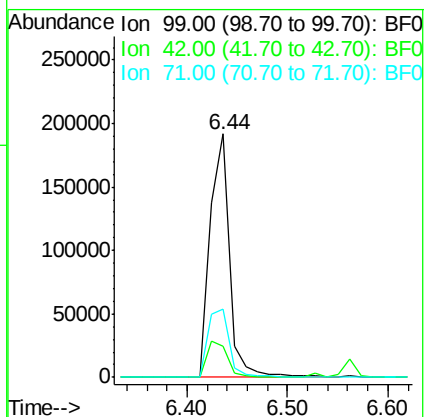
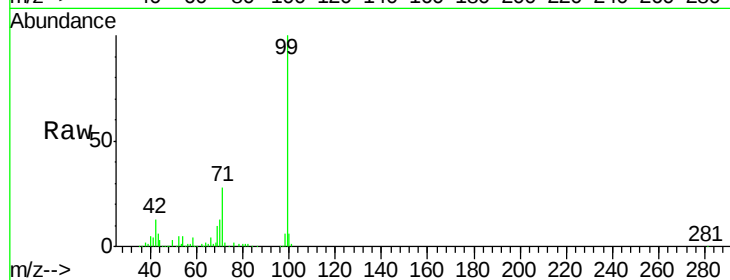
Tgt Ion: 99 Resp: 257674

Ion Ratio Lower Upper

99 100

42 12.7 11.1 16.7

71 28.2 24.9 37.3



#11

bis(2-Chloroethyl)ether

Concen: 26.47 ng

RT: 6.53 min Scan# 371

Delta R.T. -0.01 min

Lab File: BF085883.D

Acq: 30 Mar 2016 13:47

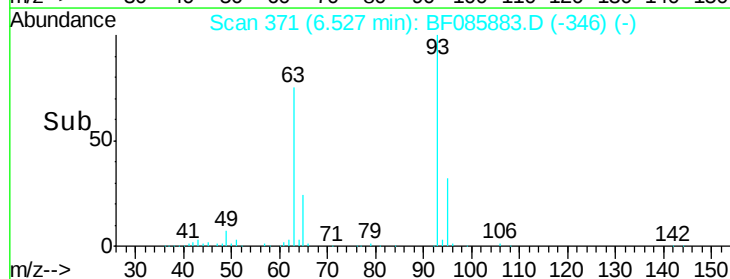
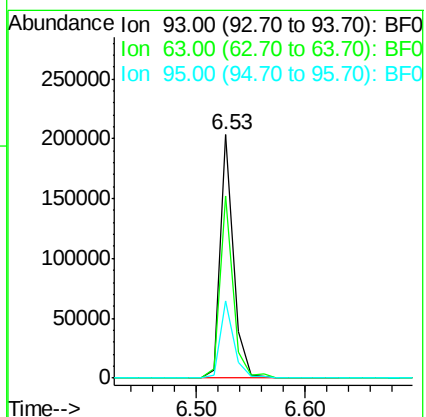
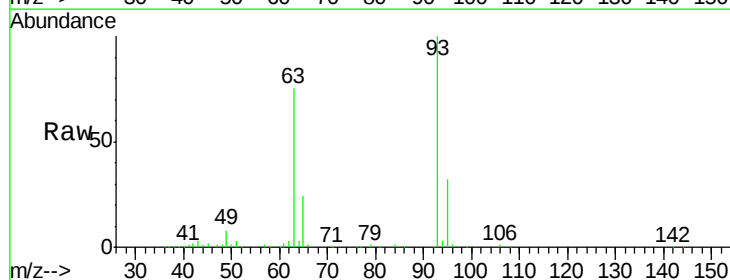
Tgt Ion: 93 Resp: 175138

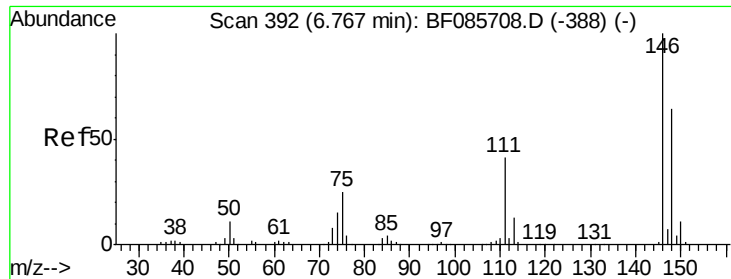
Ion Ratio Lower Upper

93 100

63 74.8 50.9 90.9

95 31.6 13.3 53.3

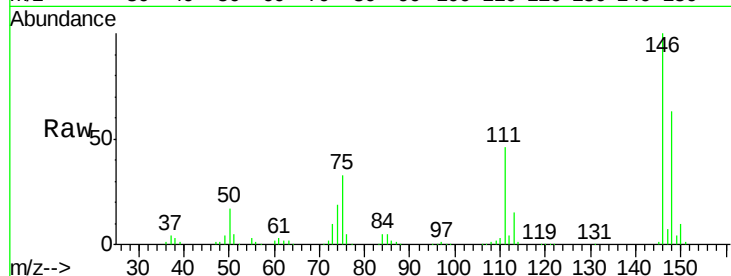




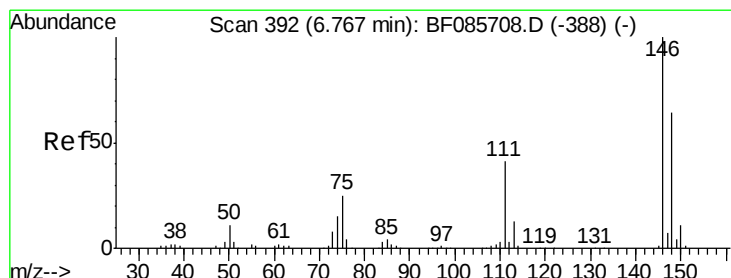
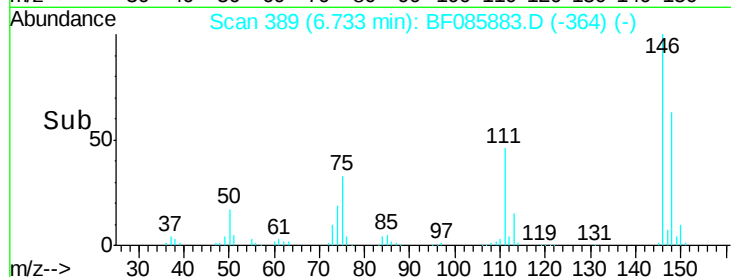
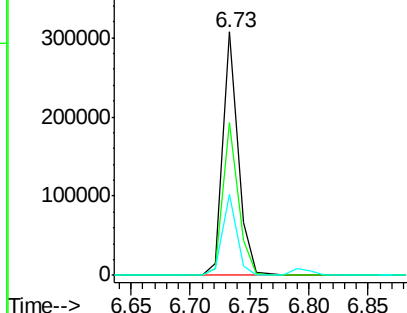
#12
 1,3-Dichlorobenzene
 Concen: 36.33 ng
 RT: 6.73 min Scan# 389
 Delta R.T. -0.01 min
 Lab File: BF085883.D
 Acq: 30 Mar 2016 13:47

Instrument :
 BNA_F
 ClientSampleId :
 PT-BN-WPDL

Tgt Ion:146 Resp: 271269
 Ion Ratio Lower Upper
 146 100
 148 62.7 52.3 78.5
 75 33.1 17.4 26.2#

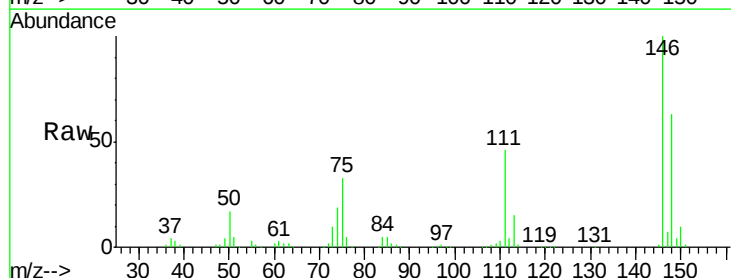


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BF0

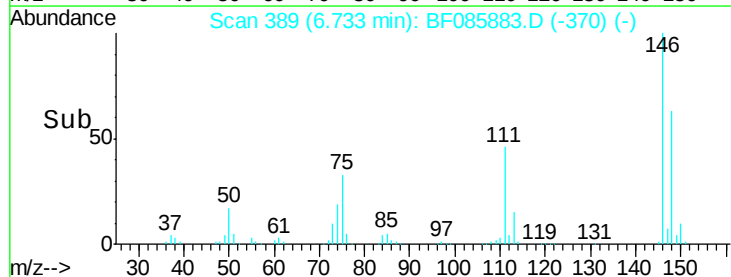
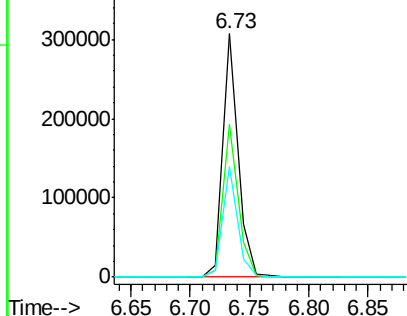


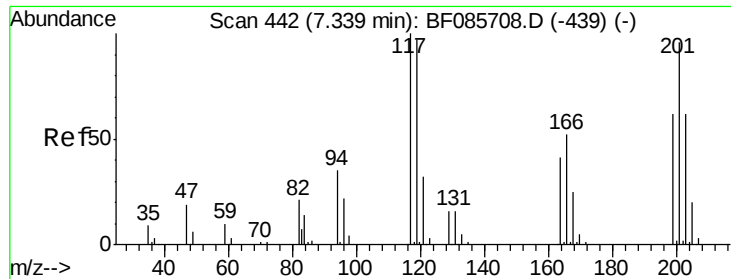
#13
 1,4-Dichlorobenzene
 Concen: 35.82 ng
 RT: 6.73 min Scan# 389
 Delta R.T. -0.08 min
 Lab File: BF085883.D
 Acq: 30 Mar 2016 13:47

Tgt Ion:146 Resp: 271269
 Ion Ratio Lower Upper
 146 100
 148 62.7 50.6 76.0
 111 45.6 37.8 56.6



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

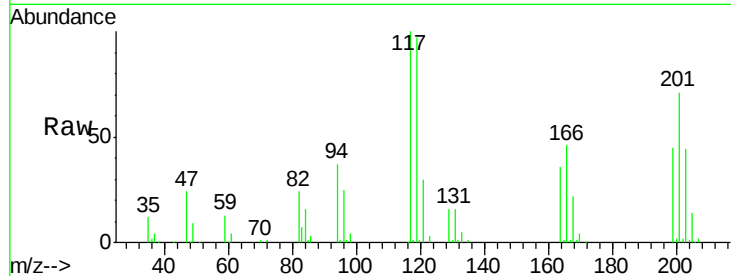




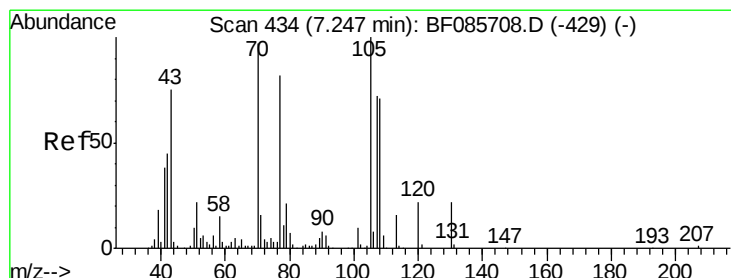
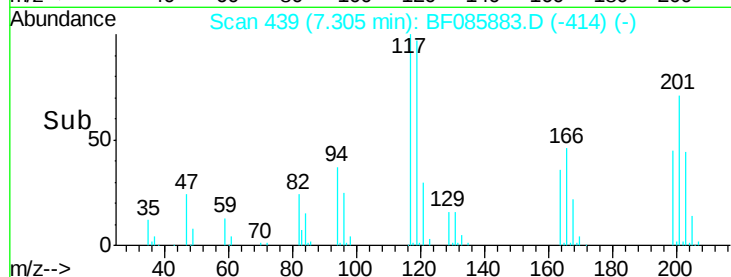
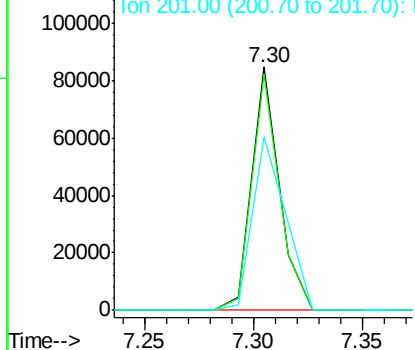
#18
Hexachloroethane
Concen: 26.89 ng
RT: 7.30 min Scan# 439
Delta R.T. -0.01 min
Lab File: BF085883.D
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Tgt Ion: 117 Resp: 74566
Ion Ratio Lower Upper
117 100
119 96.9 76.7 115.1
201 71.2 83.3 124.9#

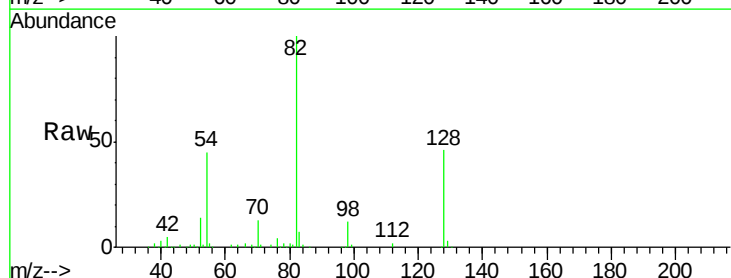


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

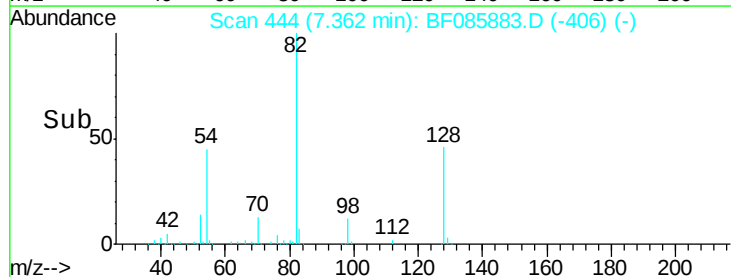
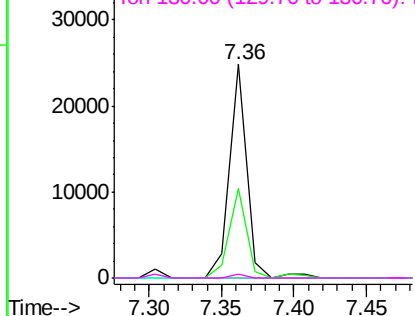


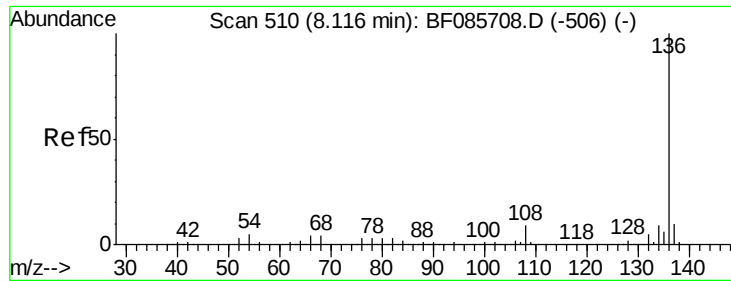
#19
n-Nitroso-di-n-propylamine
Concen: 4.58 ng
RT: 7.36 min Scan# 444
Delta R.T. 0.14 min
Lab File: BF085883.D
Acq: 30 Mar 2016 13:47

Tgt Ion: 70 Resp: 20819
Ion Ratio Lower Upper
70 100
42 42.0 37.1 55.7
101 0.0 8.6 12.8#
130 2.0 19.6 29.4#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

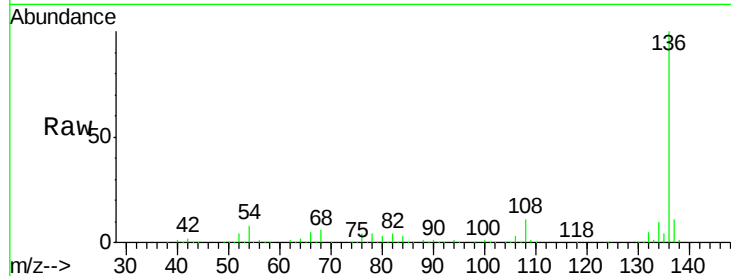




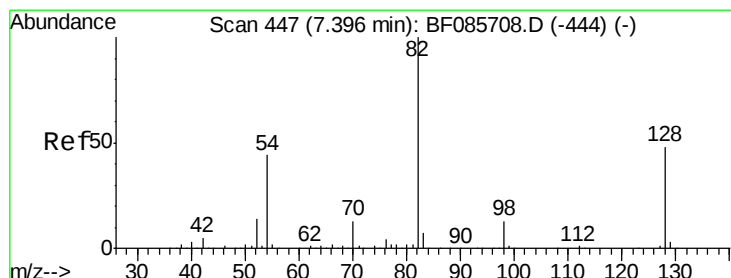
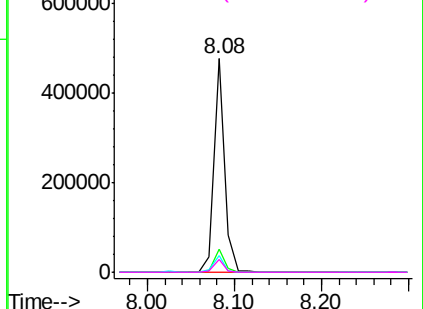
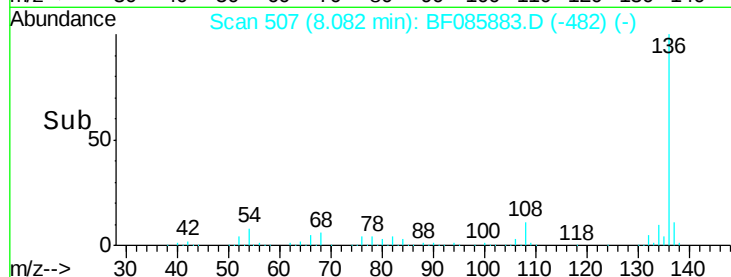
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 507
Delta R.T. -0.01 min
Lab File: BF085883.D
Acq: 30 Mar 2016 13:47

Instrument :
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Tgt Ion:	136	Resp:	414207
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	7.6	7.4	11.0
68	6.2	5.8	8.8

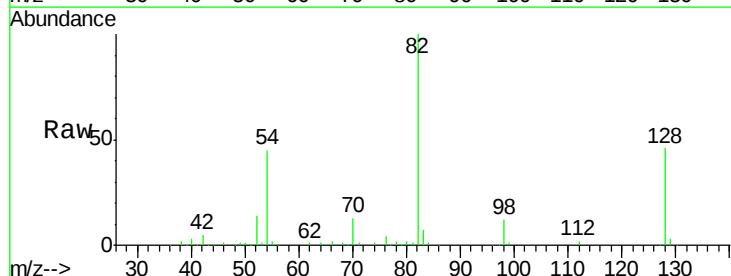


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

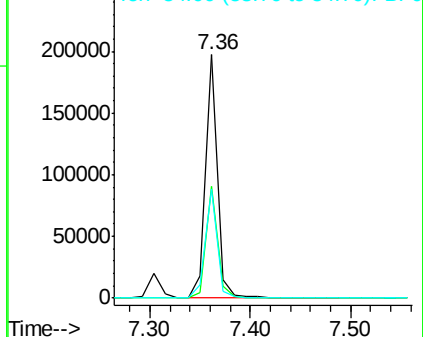
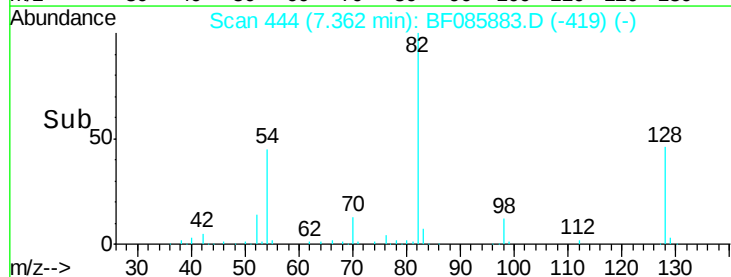


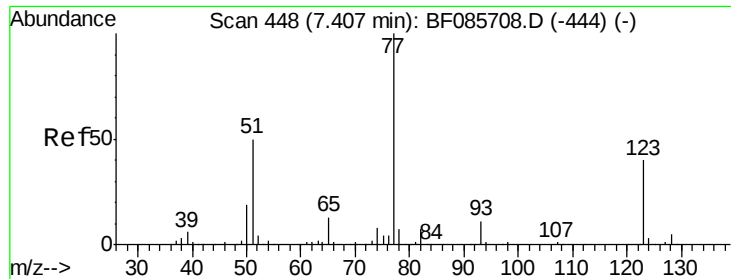
#23
Nitrobenzene-d5
Concen: 22.04 ng
RT: 7.36 min Scan# 444
Delta R.T. -0.01 min
Lab File: BF085883.D
Acq: 30 Mar 2016 13:47

Tgt Ion:	82	Resp:	162138
Ion	Ratio	Lower	Upper
82	100		
128	45.8	41.8	62.8
54	44.9	33.4	50.0



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 17.69 ng

RT: 7.38 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF085883.D

Acq: 30 Mar 2016 13:47

Instrument :

BNA_F

ClientSampleId :

PT-BN-WPDL

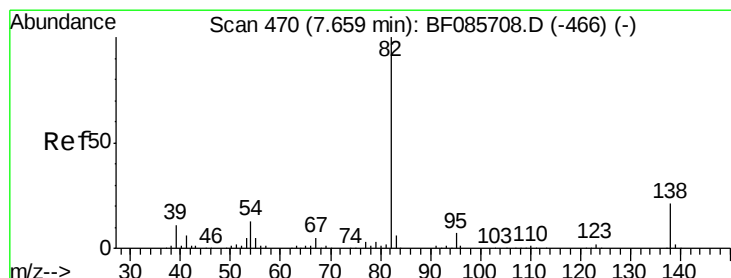
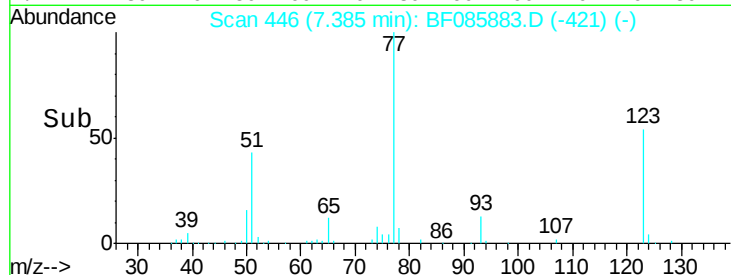
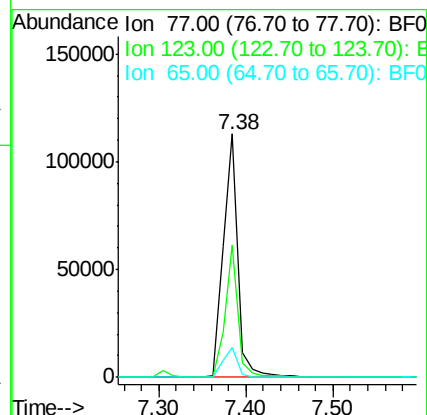
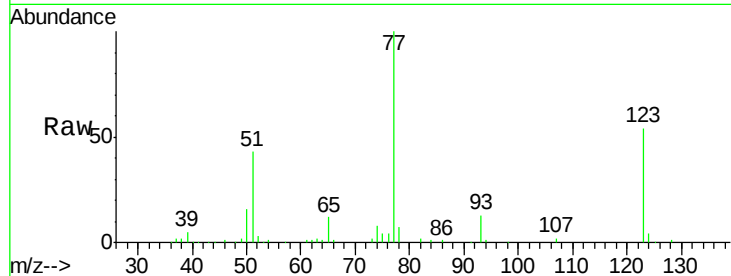
Tgt Ion: 77 Resp: 134138

Ion Ratio Lower Upper

77 100

123 54.3 35.0 52.4#

65 12.3 10.6 16.0



#25

Isophorone

Concen: 32.90 ng

RT: 7.62 min Scan# 467

Delta R.T. -0.01 min

Lab File: BF085883.D

Acq: 30 Mar 2016 13:47

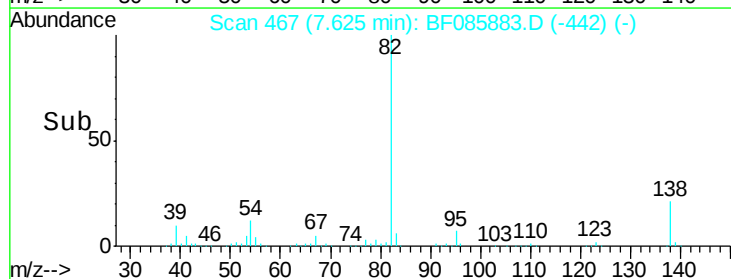
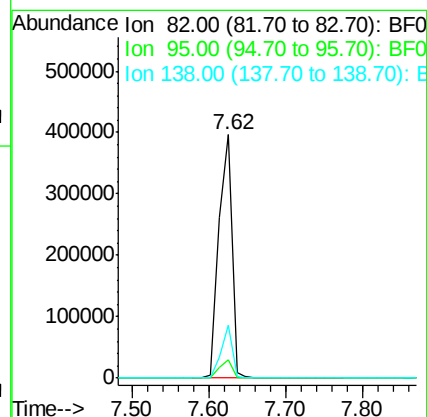
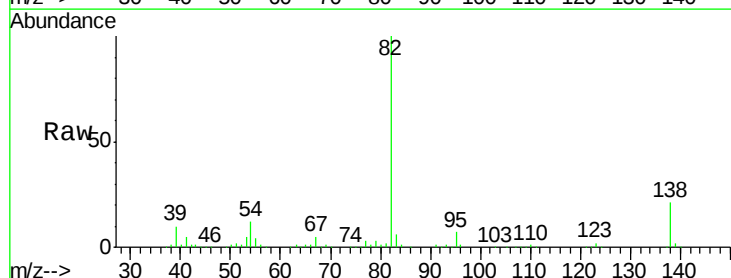
Tgt Ion: 82 Resp: 466188

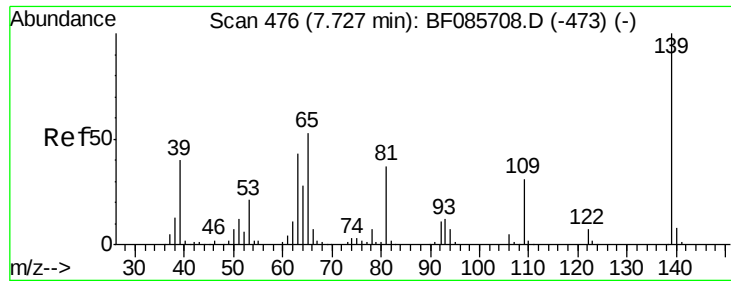
Ion Ratio Lower Upper

82 100

95 7.3 5.4 8.2

138 21.5 12.9 19.3#

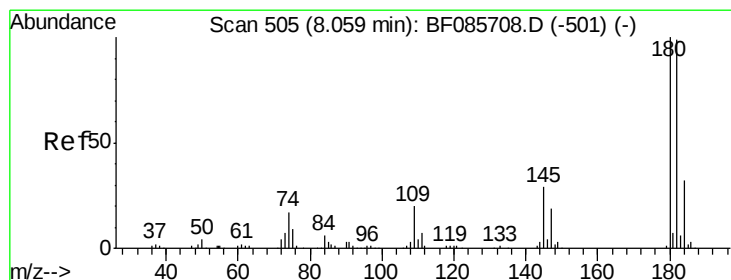
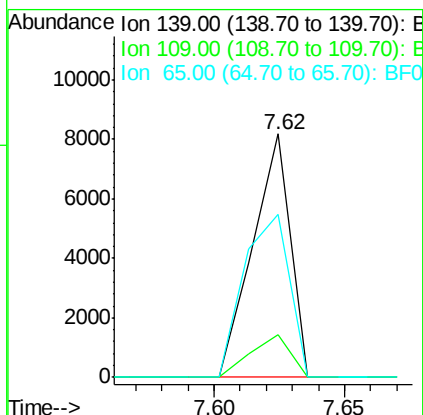
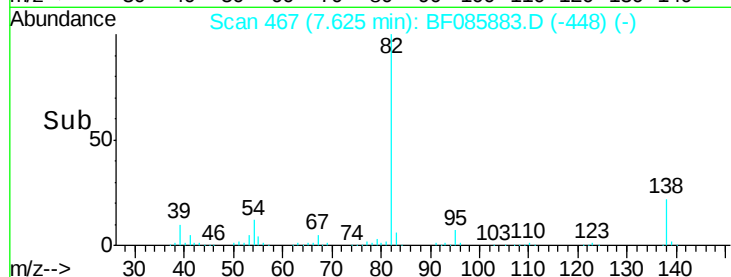
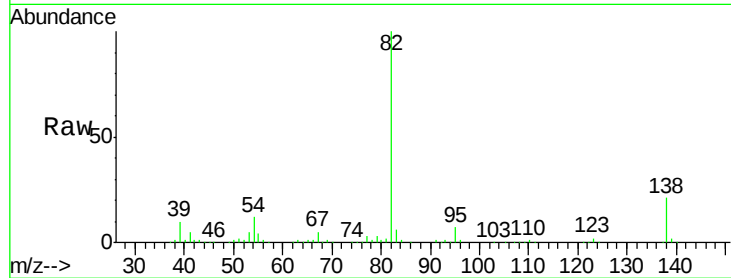




#26
2-Nitrophenol
Concen: 2.18 ng
RT: 7.62 min Scan# 467
Delta R.T. -0.08 min
Lab File: BF085883.D
Acq: 30 Mar 2016 13:47

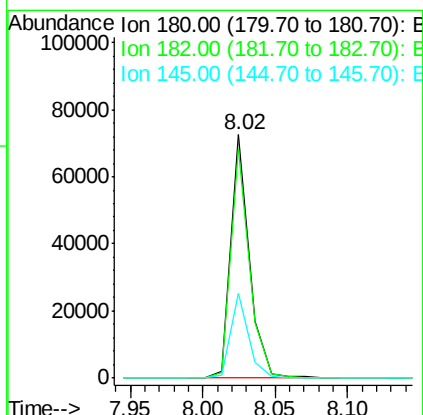
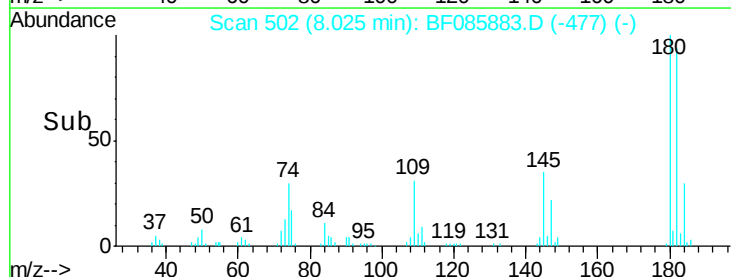
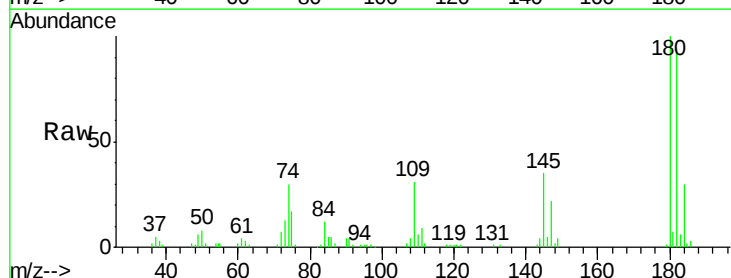
Instrument :
BNA_F
ClientSampleId :
PT-BN-WPDL

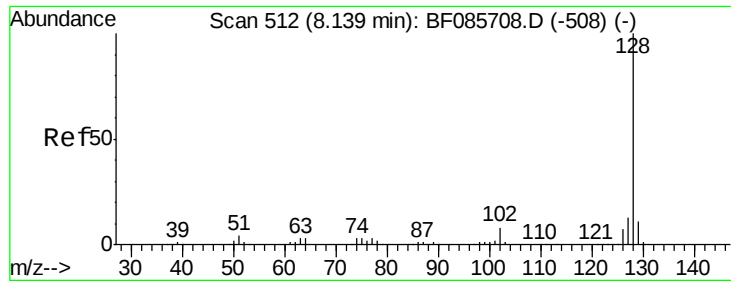
Tgt Ion:139 Resp: 8252
Ion Ratio Lower Upper
139 100
109 17.4 22.1 33.1#
65 66.9 33.9 50.9#



#30
1,2,4-Trichlorobenzene
Concen: 10.39 ng
RT: 8.02 min Scan# 502
Delta R.T. -0.01 min
Lab File: BF085883.D
Acq: 30 Mar 2016 13:47

Tgt Ion:180 Resp: 64295
Ion Ratio Lower Upper
180 100
182 94.4 73.8 110.8
145 34.7 28.4 42.6

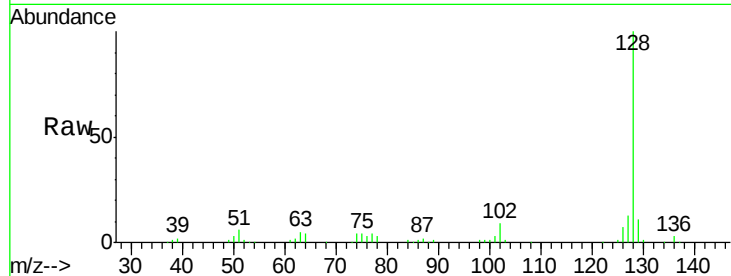




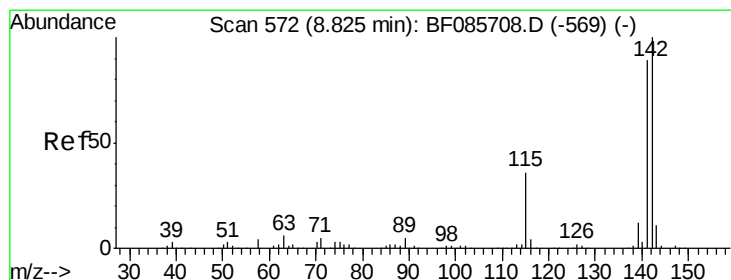
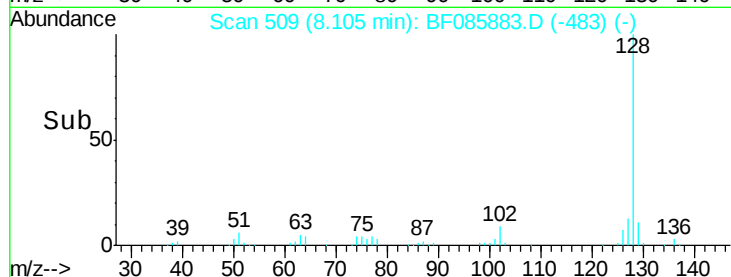
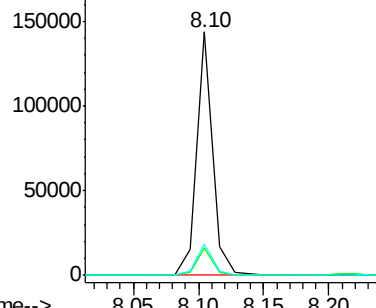
#31
Naphthalene
Concen: 5.91 ng
RT: 8.10 min Scan# 509
Delta R.T. 0.00 min
Lab File: BF085883.D
Acq: 30 Mar 2016 13:47

Instrument :
BNA_F
ClientSampleId :
PT-BN-WPDL

Tgt Ion:128 Resp: 123253
Ion Ratio Lower Upper
128 100
129 11.1 9.4 14.0
127 12.8 11.0 16.6

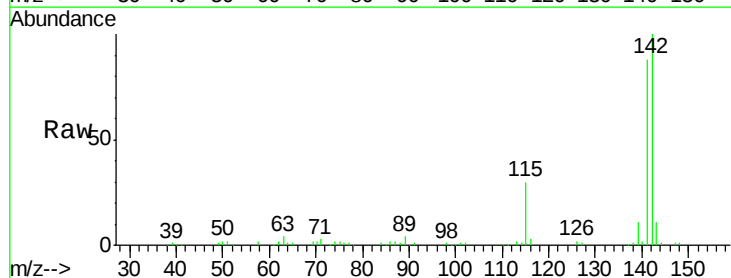


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

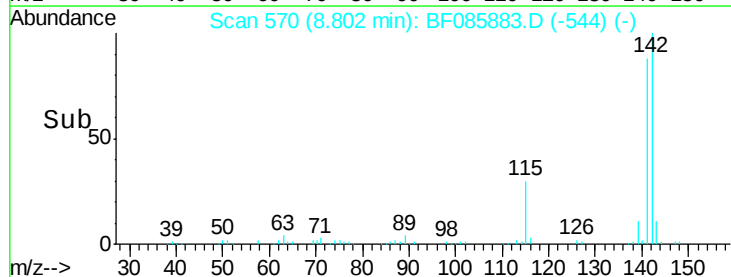
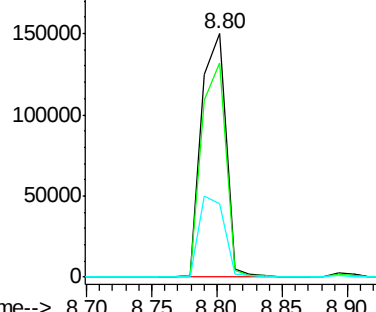


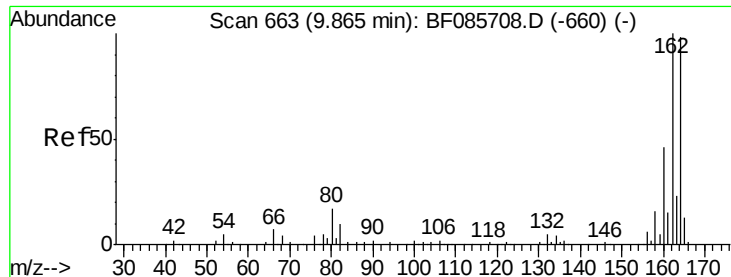
#37
2-Methylnaphthalene
Concen: 13.14 ng
RT: 8.80 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF085883.D
Acq: 30 Mar 2016 13:47

Tgt Ion:142 Resp: 195613
Ion Ratio Lower Upper
142 100
141 87.9 71.6 107.4
115 29.9 26.8 40.2



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: 9.84 min Scan# 661

Delta R.T. 0.00 min

Lab File: BF085883.D

Acq: 30 Mar 2016 13:47

Instrument :

BNA_F

ClientSampleId :

PT-BN-WPDL

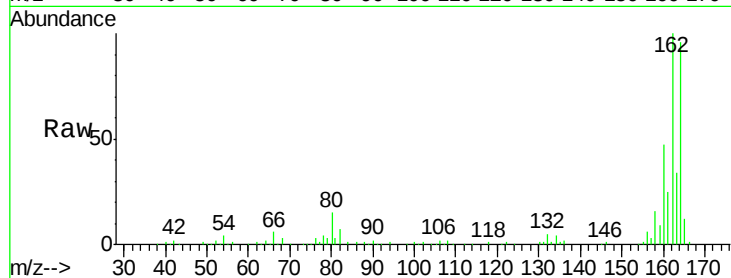
Tgt Ion:164 Resp: 189408

Ion Ratio Lower Upper

164 100

162 104.3 82.1 123.1

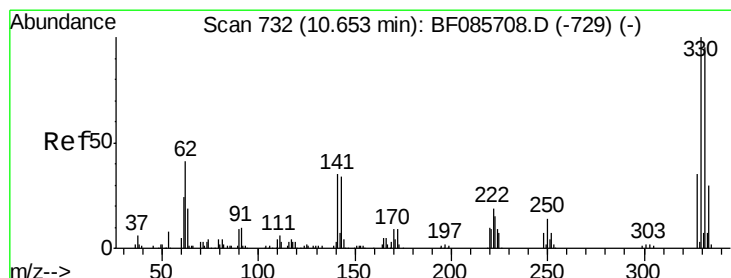
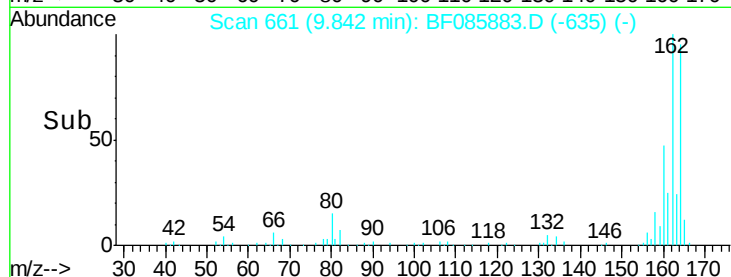
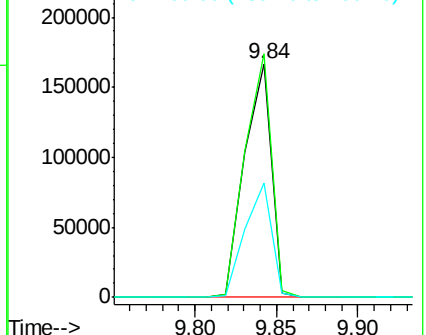
160 49.2 37.4 56.2



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: 28.60 ng

RT: 10.63 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF085883.D

Acq: 30 Mar 2016 13:47

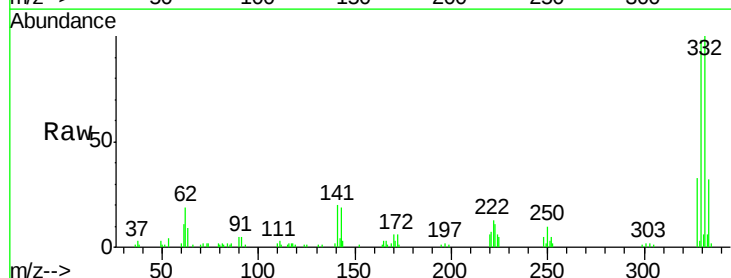
Tgt Ion:330 Resp: 51477

Ion Ratio Lower Upper

330 100

332 99.8 78.2 117.2

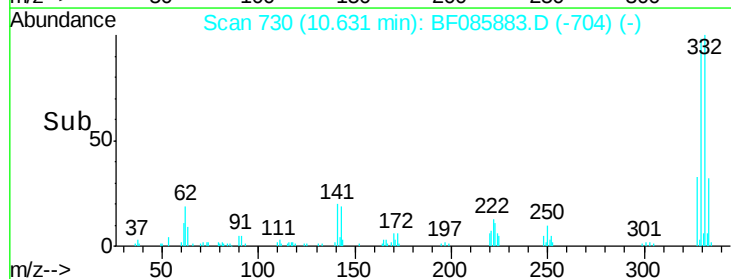
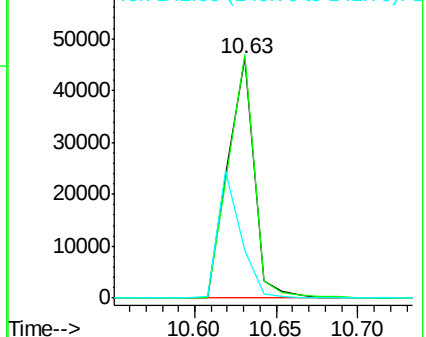
141 47.2 31.5 47.3

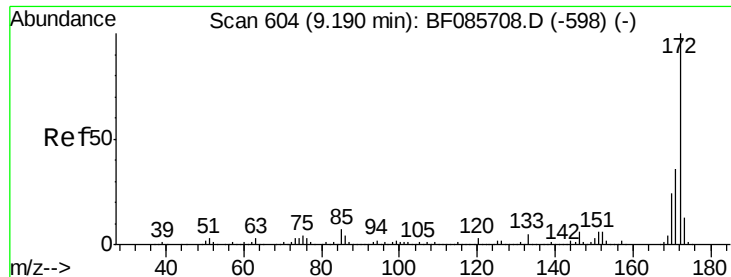


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

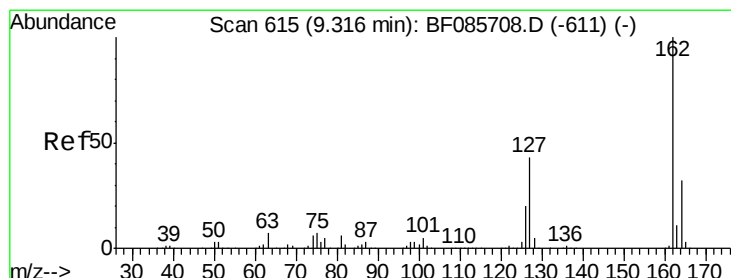
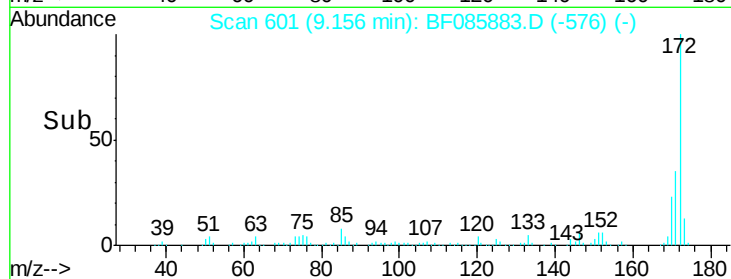
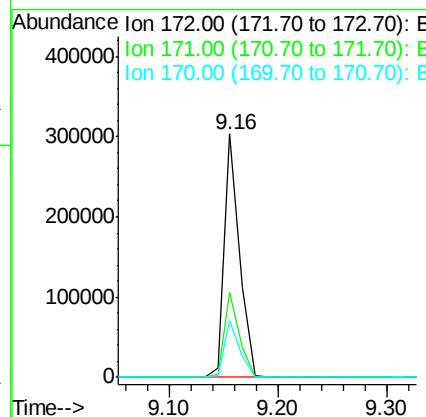
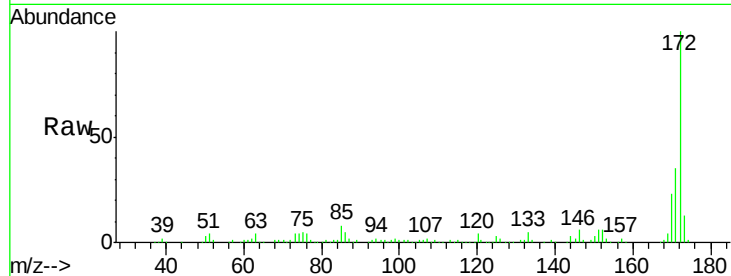




#44
 2-Fluorobiphenyl
 Concen: 26.20 ng
 RT: 9.16 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: BF085883.D
 Acq: 30 Mar 2016 13:47

Instrument :
 BNA_F
 ClientSampleId :
 PT-BN-WPDL

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.4	44.2
170	23.4	19.8	29.6



#46
 2-Chloronaphthalene
 Concen: 36.72 ng
 RT: 9.28 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: BF085883.D
 Acq: 30 Mar 2016 13:47

Tgt Ion	Ratio	Lower	Upper
162	100		
127	48.0	31.7	47.5#
164	32.6	27.3	40.9

