

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030216\
 Data File : BF085109.D
 Acq On : 2 Mar 2016 10:25
 Operator : SJ/IZ
 Sample : PB88620BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 03 01:35:21 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 02 13:25:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.99	152	176938	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	760299	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	343188	20.00	ng	-0.01
63) Phenanthrene-d10	11.51	188	680509	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	595642	20.00	ng	-0.01
86) Perylene-d12	15.62	264	407529	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	1295488	118.86	ng	0.01
7) Phenol-d6	6.60	99	1560085	109.19	ng	-0.01
23) Nitrobenzene-d5	7.55	82	1112403	77.84	ng	-0.01
41) 2,4,6-Tribromophenol	10.82	330	467224	135.47	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	1695867	72.78	ng	-0.01
78) Terphenyl-d14	13.10	244	1821324	71.73	ng	-0.01

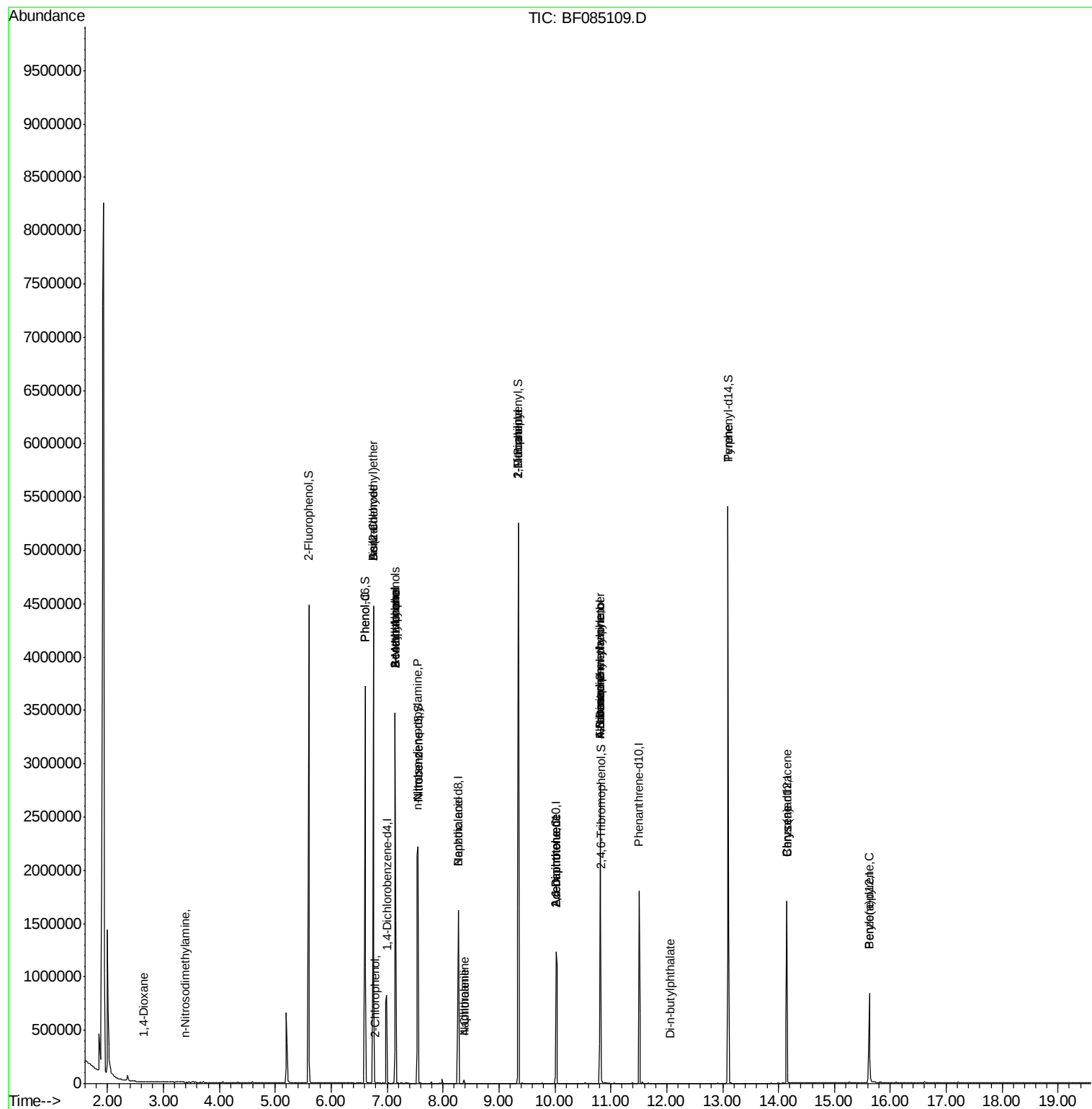
Target Compounds						Qvalue
2) 1,4-Dioxane	2.65	88	632	0.12	ng	# 50
4) n-Nitrosodimethylamine	3.39	42	221	0.04	ng	# 1
6) Aniline	6.75	93	2036	0.10	ng	# 1
8) 2-Chlorophenol	6.78	128	1006	0.08	ng	86
9) Benzaldehyde	6.75	77	29649	1.88	ng	81
10) Phenol	6.60	94	218	0.01	ng	# 1
11) bis(2-Chloroethyl)ether	6.75	93	2036	0.16	ng	# 1
15) Benzyl Alcohol	7.14	79	17408	1.67	ng	# 50
17) 2-Methylphenol	7.14	107	239	0.02	ng	# 1
19) n-Nitroso-di-n-propylamine	7.54	70	145854	15.49	ng	# 83
20) 3+4-Methylphenols	7.14	107	239	0.02	ng	# 1
22) Acetophenone	7.14	105	211	0.01	ng	# 1
24) Nitrobenzene	7.55	77	3535	0.24	ng	# 38
31) Naphthalene	8.38	128	1210	0.03	ng	# 1
32) Benzoic acid	8.27	122	213	12.43	ng	# 1
33) 4-Chloroaniline	8.38	127	237	0.02	ng	# 1
45) 1,1'-Biphenyl	9.35	154	3962	0.13	ng	# 1
47) 2-Nitroaniline	9.35	65	3007	0.43	ng	# 1
50) 2,6-Dinitrotoluene	10.02	165	44089	8.36	ng	# 22
51) Acenaphthene	10.02	154	1469	0.07	ng	# 4
56) 2,4-Dinitrotoluene	10.02	165	44080	6.20	ng	# 19
57) Fluorene	10.81	166	17177	0.81	ng	# 90
62) Azobenzene	10.81	77	2596	0.11	ng	# 14
64) 4,6-Dinitro-2-methylphenol	10.81	198	1063	7.42	ng	# 1
65) n-Nitrosodiphenylamine	10.81	169	11717	0.55	ng	# 47
66) 4-Bromophenyl-phenylether	10.81	248	27385	3.83	ng	# 1
73) Di-n-butylphthalate	12.07	149	448	0.01	ng	# 78
77) Pyrene	13.10	202	6239	0.15	ng	# 67
80) Benzo(a)anthracene	14.15	228	1671	0.05	ng	# 60
82) Chrysene	14.15	228	1671	0.05	ng	# 57
89) Benzo(a)pyrene	15.62	252	1542	0.07	ng	# 72

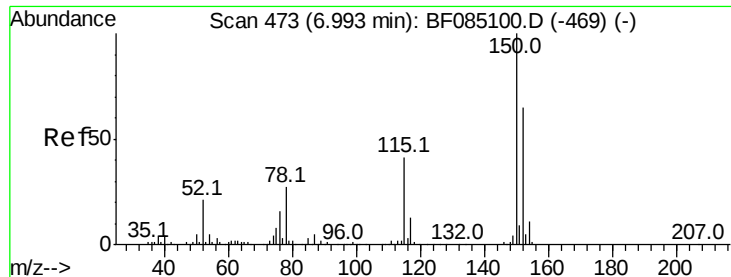
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030216\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 02 13:25:39 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.99 min Scan# 473

Delta R.T. 0.00 min

Lab File: BF085109.D

Acq: 2 Mar 2016 10:25

Instrument :

BNA_F

ClientSampleId :

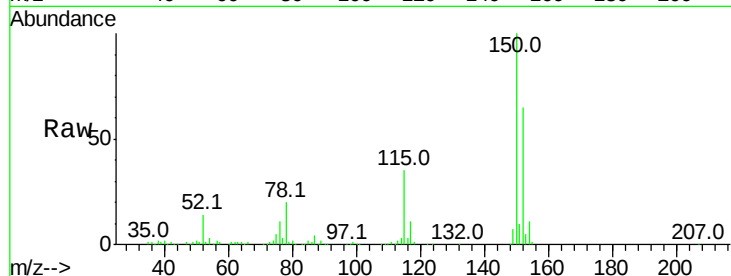
Tot Ion:152 Resp: 176938

Ion Ratio Lower Upper

152 100

150 154.2 123.4 185.0

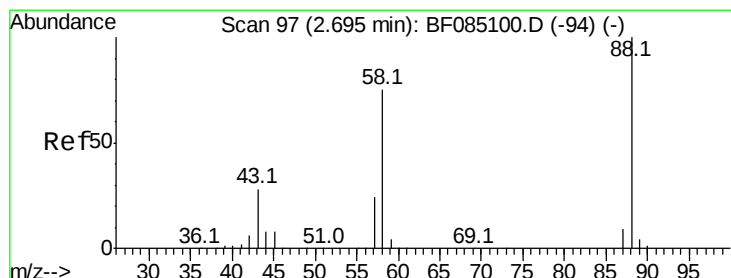
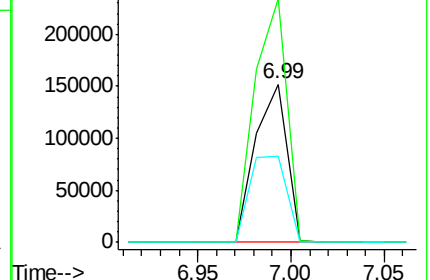
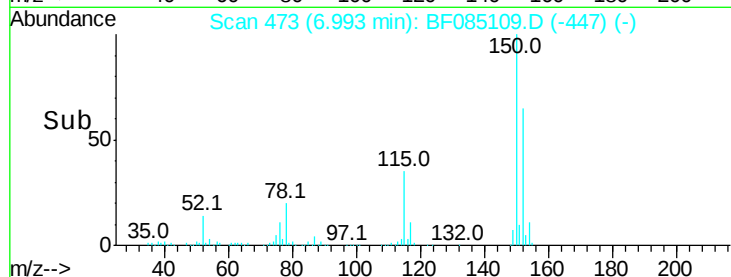
115 54.4 50.0 75.0



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



#2

1,4-Dioxane

Concen: 0.12 ng

RT: 2.65 min Scan# 93

Delta R.T. -0.05 min

Lab File: BF085109.D

Acq: 2 Mar 2016 10:25

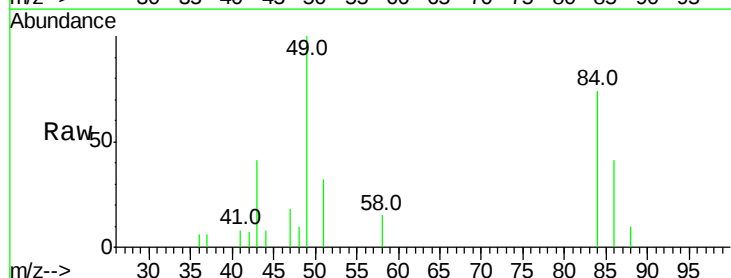
Tgt Ion: 88 Resp: 632

Ion Ratio Lower Upper

88 100

58 31.6 58.4 87.6#

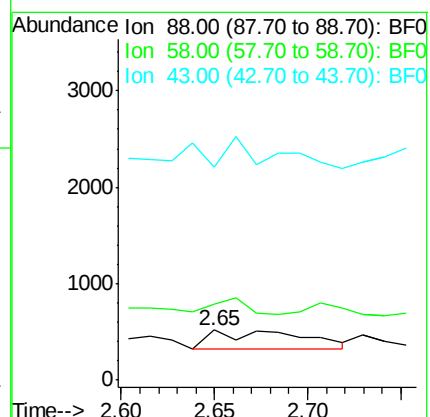
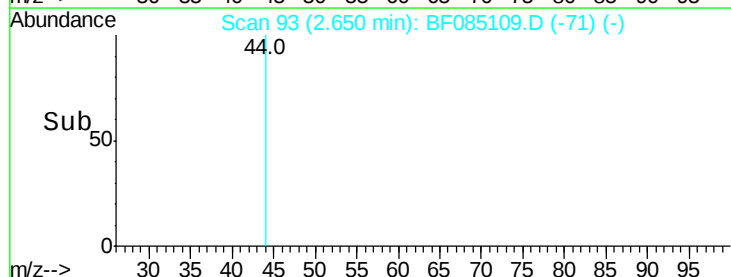
43 0.0 22.2 33.4#

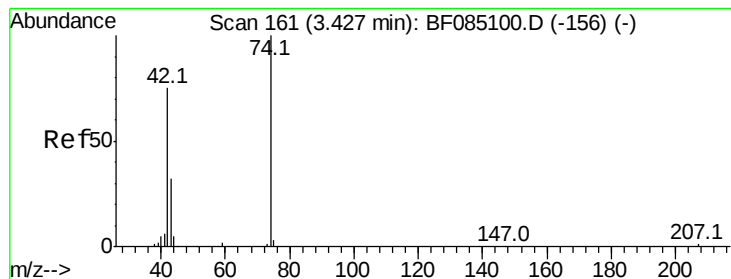


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0



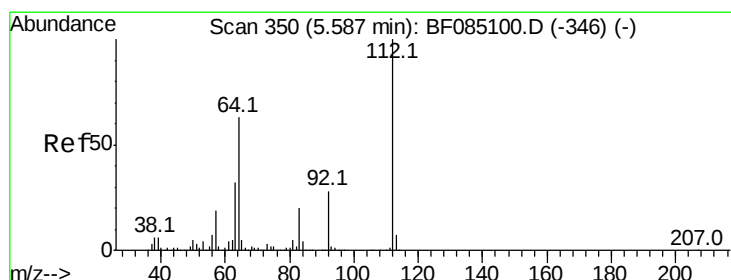
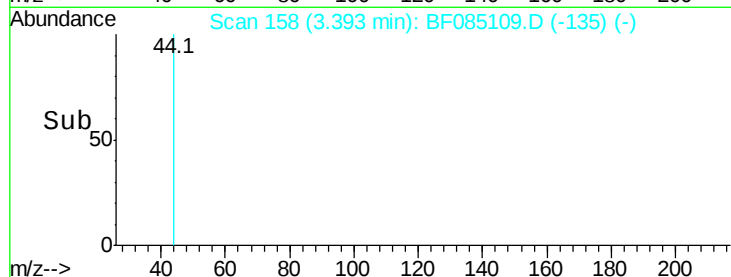
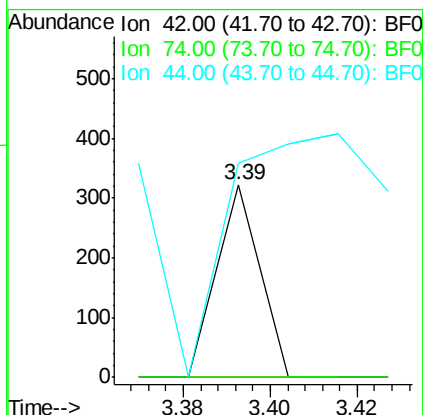
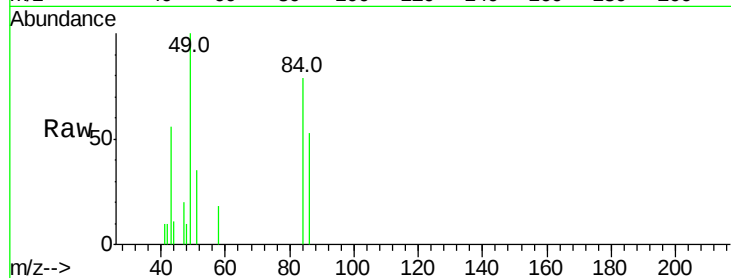


#4

n-Nitrosodimethylamine
Concen: 0.04 ng
RT: 3.39 min Scan# 158
Delta R.T. -0.03 min
Lab File: BF085109.D
Acq: 2 Mar 2016 10:25

Instrument :
BNA_F
ClientSampleId :

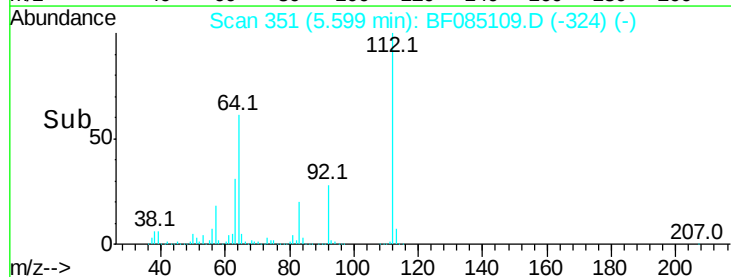
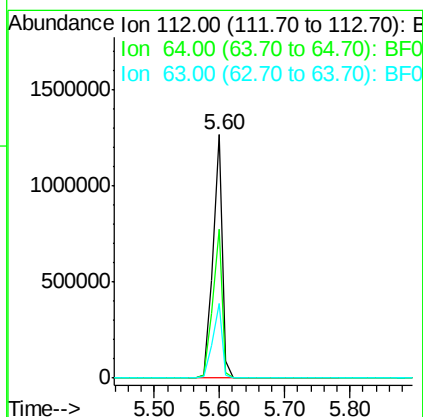
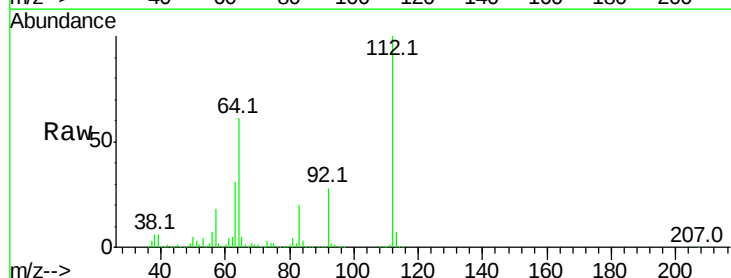
Tot Ion: 42 Resp: 221
Ion Ratio Lower Upper
42 100
74 0.0 106.6 160.0#
44 110.8 5.4 8.2#

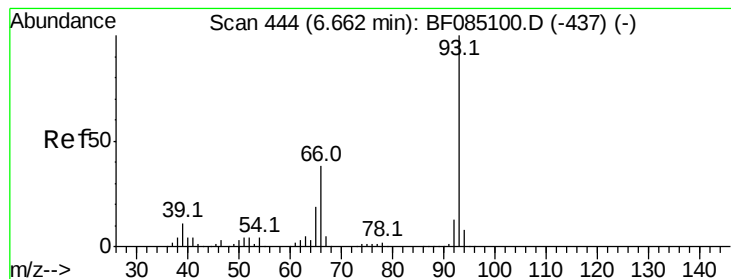


#5

2-Fluorophenol
Concen: 118.86 ng
RT: 5.60 min Scan# 351
Delta R.T. 0.01 min
Lab File: BF085109.D
Acq: 2 Mar 2016 10:25

Tgt Ion: 112 Resp: 1295488
Ion Ratio Lower Upper
112 100
64 61.2 50.6 76.0
63 30.8 25.5 38.3





#6

Aniline

Concen: 0.10 ng

RT: 6.75 min Scan# 452

Delta R.T. 0.09 min

Lab File: BF085109.D

Acq: 2 Mar 2016 10:25

Instrument :

BNA_F

ClientSampled :

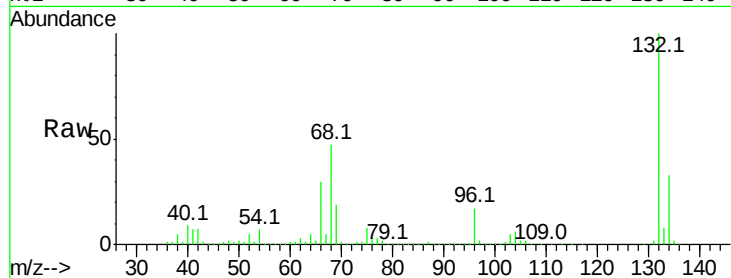
Tot Ion: 93 Resp: 2036

Ion Ratio Lower Upper

93 100

66 18254.7 30.1 45.1#

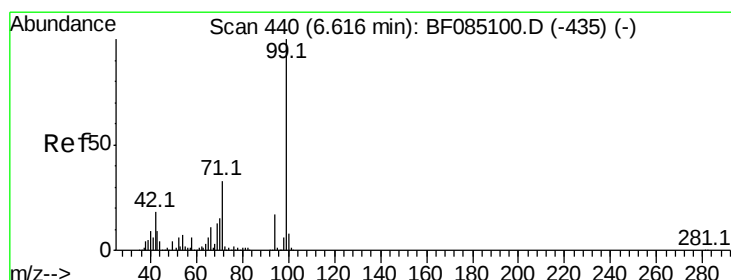
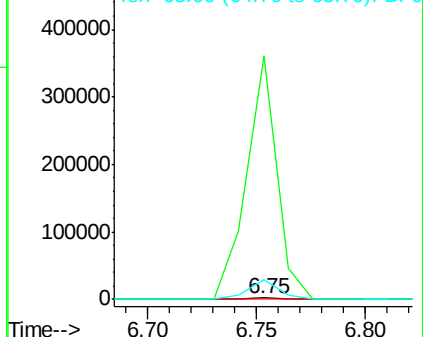
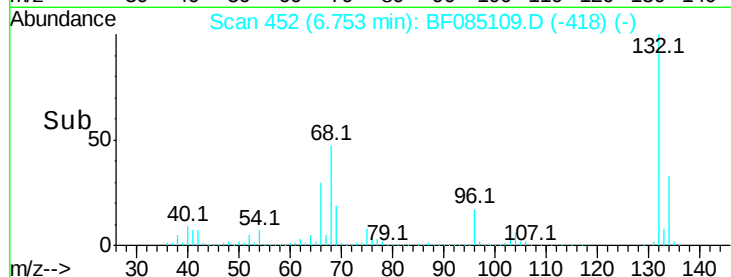
65 1479.4 15.0 22.6#



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: 109.19 ng

RT: 6.60 min Scan# 439

Delta R.T. -0.01 min

Lab File: BF085109.D

Acq: 2 Mar 2016 10:25

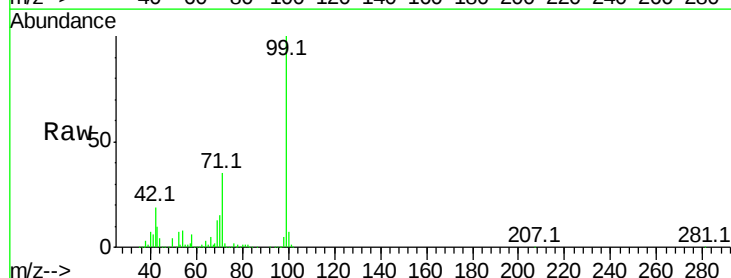
Tgt Ion: 99 Resp: 1560085

Ion Ratio Lower Upper

99 100

42 18.8 14.1 21.1

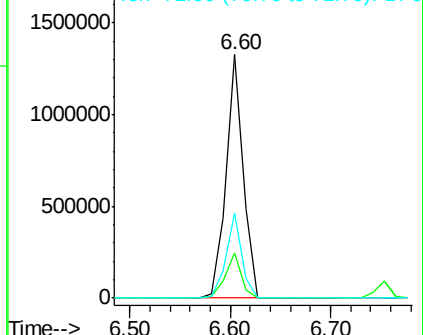
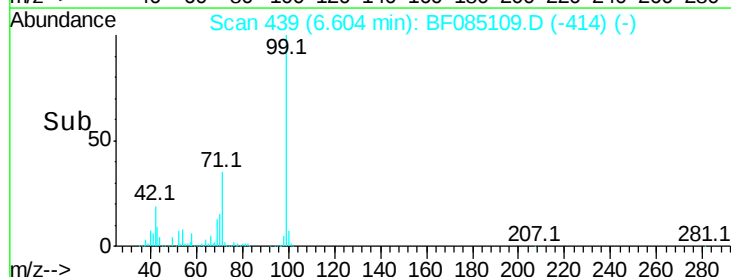
71 34.8 26.8 40.2

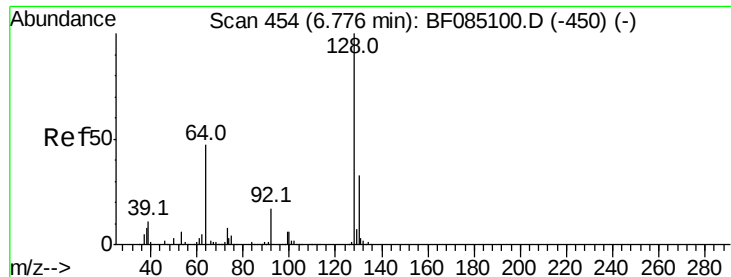


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#8

2-Chlorophenol

Concen: 0.08 ng

RT: 6.78 min Scan# 454

Delta R.T. 0.00 min

Lab File: BF085109.D

Acq: 2 Mar 2016 10:25

Instrument :

BNA_F

ClientSampleId :

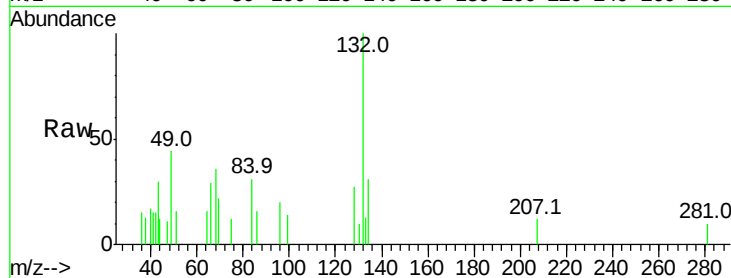
Tot Ion:128 Resp: 1006

Ion Ratio Lower Upper

128 100

130 38.8 13.1 53.1

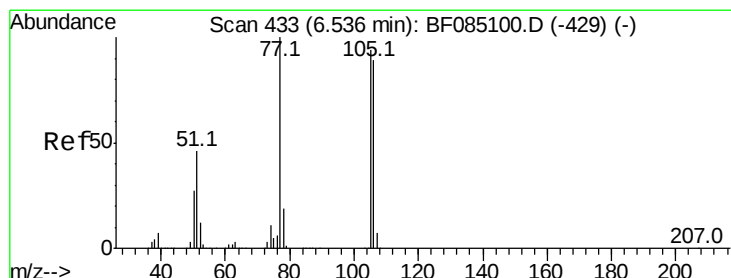
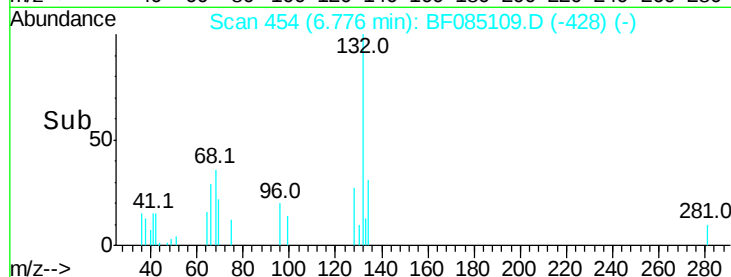
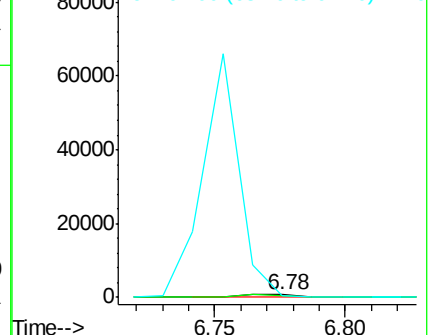
64 60.7 29.6 69.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): E



#9

Benzaldehyde

Concen: 1.88 ng

RT: 6.75 min Scan# 452

Delta R.T. 0.22 min

Lab File: BF085109.D

Acq: 2 Mar 2016 10:25

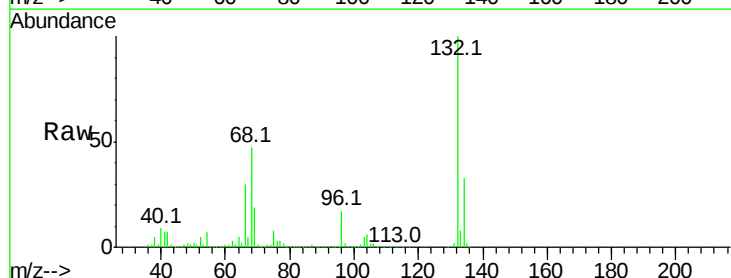
Tgt Ion: 77 Resp: 29649

Ion Ratio Lower Upper

77 100

105 76.6 73.7 113.7

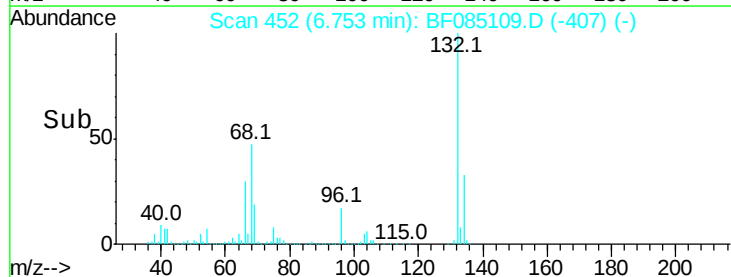
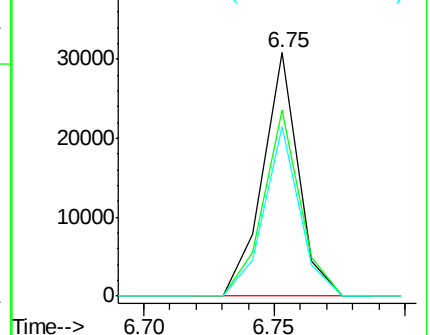
106 69.7 69.2 109.2

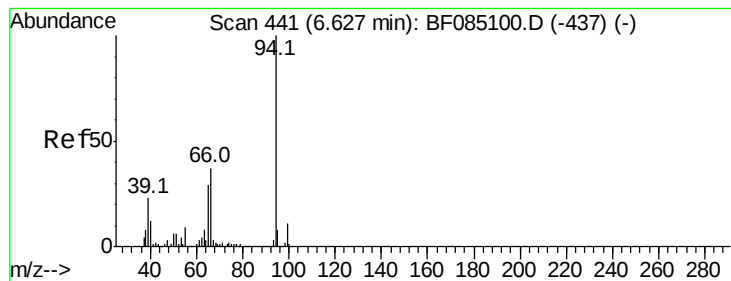


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.01 ng

RT: 6.60 min Scan# 439

Delta R.T. -0.02 min

Lab File: BF085109.D

Acq: 2 Mar 2016 10:25

Instrument :

BNA_F

ClientSampleId :

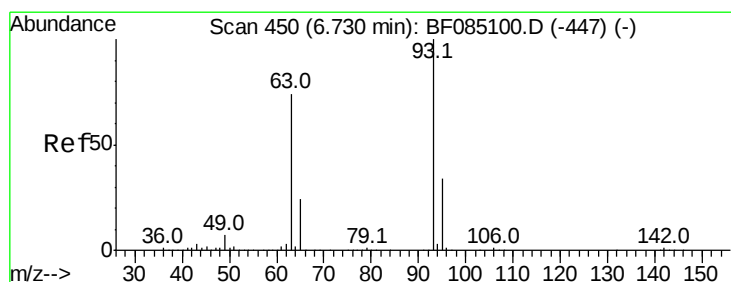
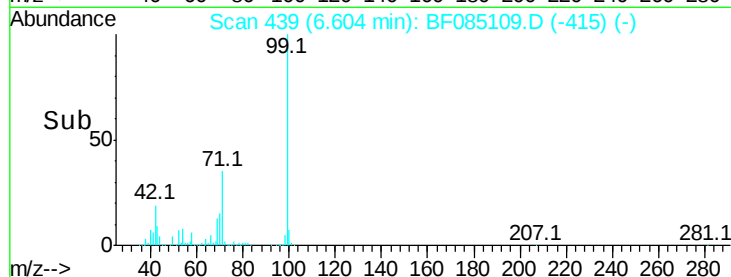
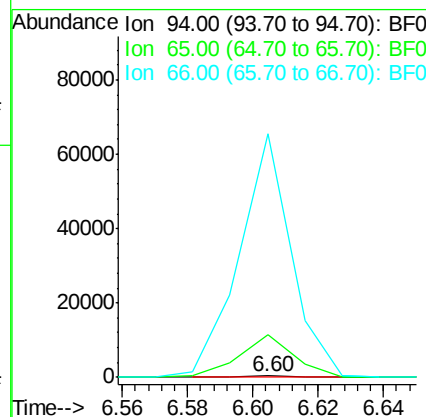
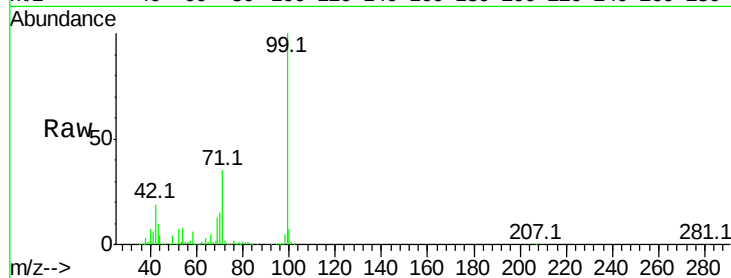
Tot Ion: 94 Resp: 218

Ion Ratio Lower Upper

94 100

65 3634.9 9.1 49.1#

66 20598.7 17.5 57.5#



#11

bis(2-Chloroethyl)ether

Concen: 0.16 ng

RT: 6.75 min Scan# 452

Delta R.T. 0.02 min

Lab File: BF085109.D

Acq: 2 Mar 2016 10:25

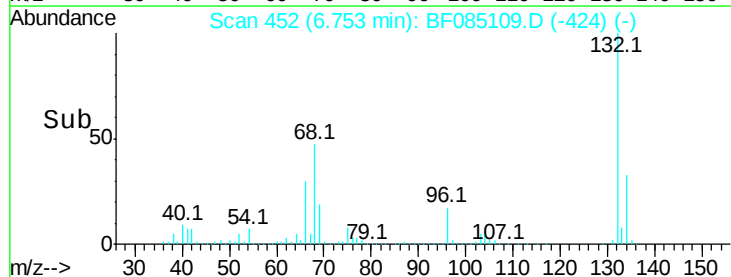
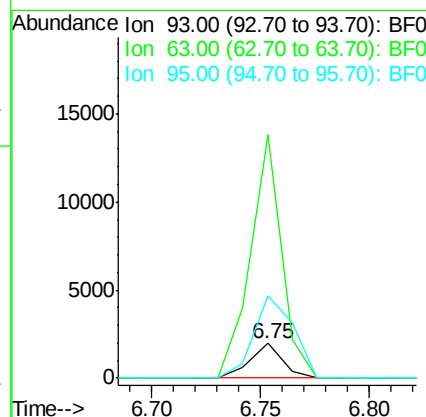
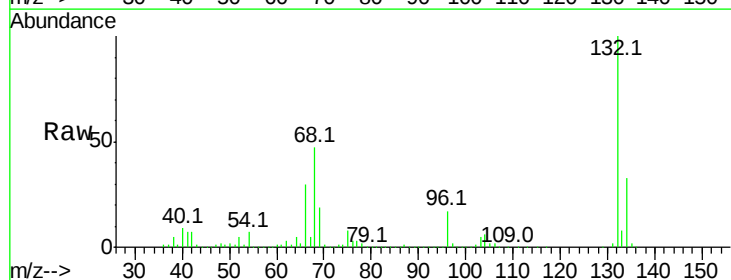
Tgt Ion: 93 Resp: 2036

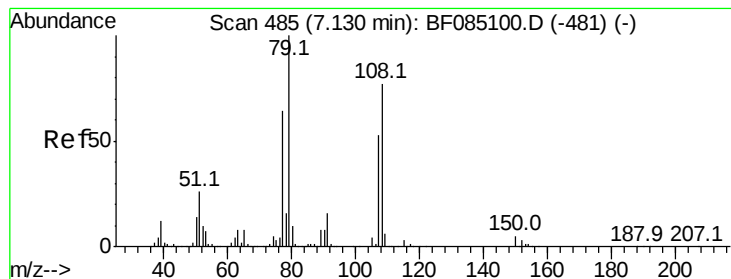
Ion Ratio Lower Upper

93 100

63 699.4 53.9 93.9#

95 237.2 13.8 53.8#





#15

Benzyl Alcohol

Concen: 1.67 ng

RT: 7.14 min Scan# 486

Delta R.T. 0.01 min

Lab File: BF085109.D

Acq: 2 Mar 2016 10:25

Instrument :

BNA_F

ClientSampled :

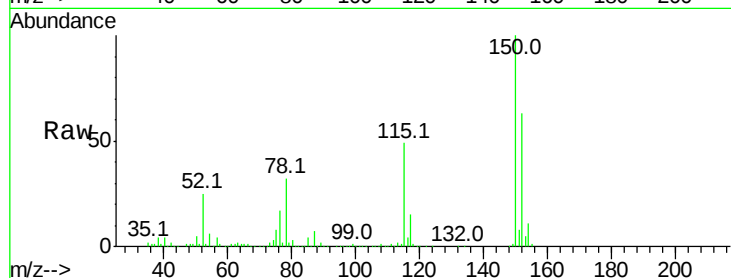
Tot Ion: 79 Resp: 17408

Ion Ratio Lower Upper

79 100

108 30.5 61.8 92.6#

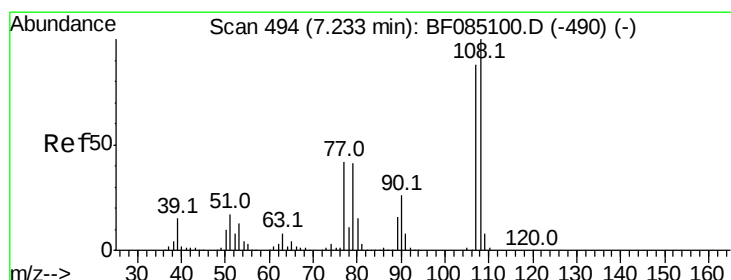
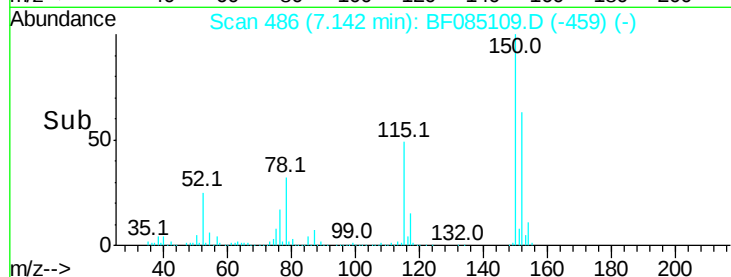
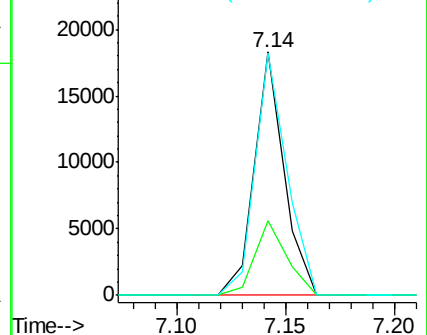
77 99.4 51.2 76.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#17

2-Methylphenol

Concen: 0.02 ng

RT: 7.14 min Scan# 486

Delta R.T. -0.09 min

Lab File: BF085109.D

Acq: 2 Mar 2016 10:25

Tgt Ion: 107 Resp: 239

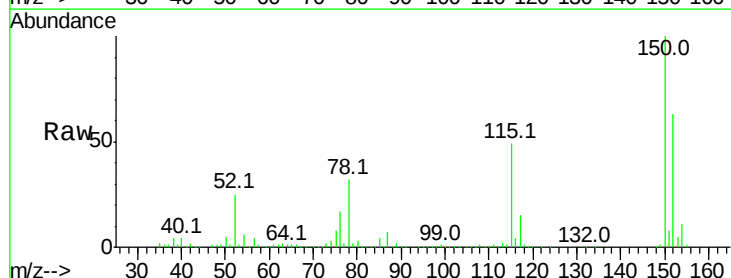
Ion Ratio Lower Upper

107 100

108 1606.6 91.4 137.2#

77 5234.5 38.7 58.1#

79 5264.4 37.8 56.6#

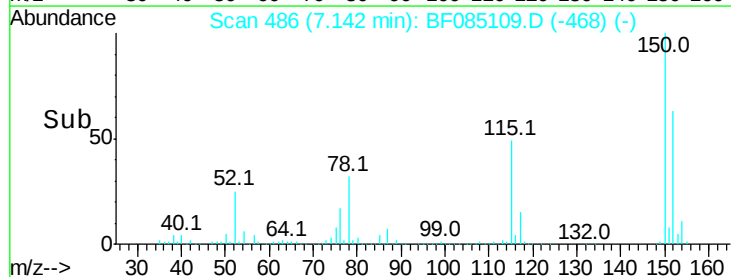
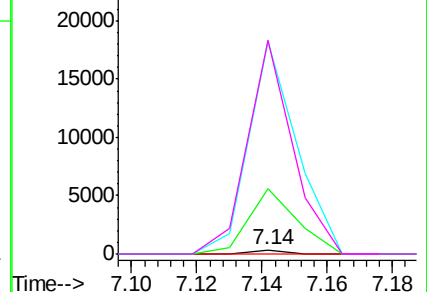


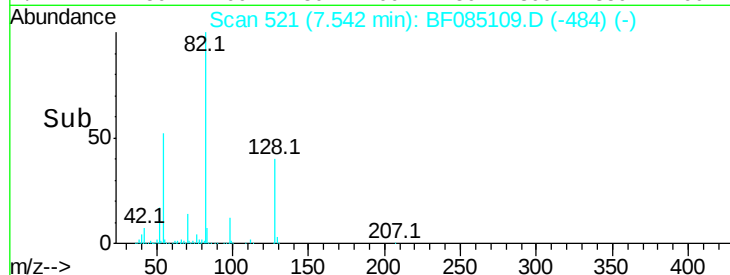
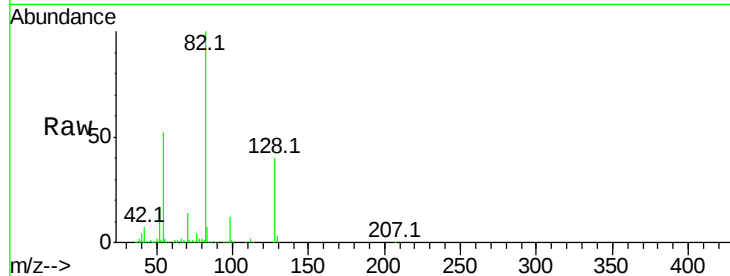
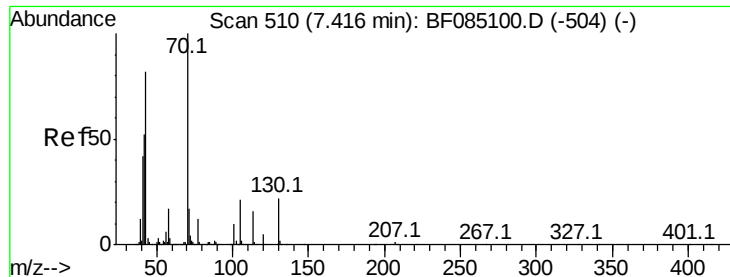
Abundance Ion 107.00 (106.70 to 107.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 15.49 ng

RT: 7.54 min Scan# 521

Delta R.T. 0.13 min

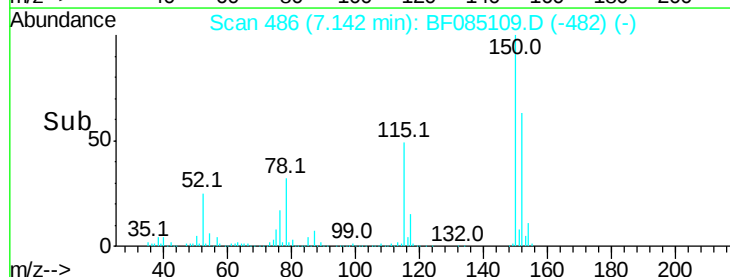
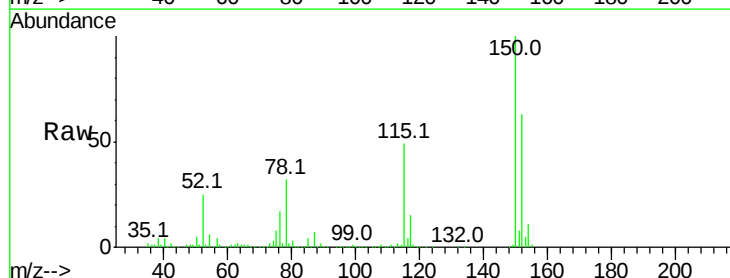
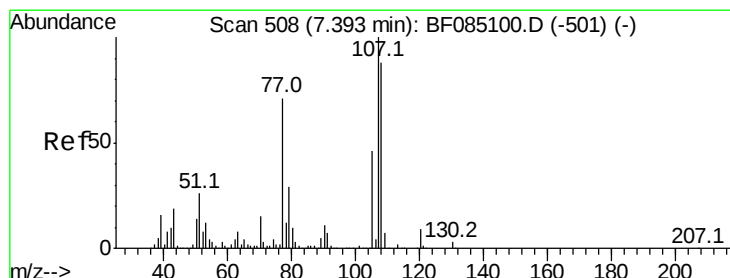
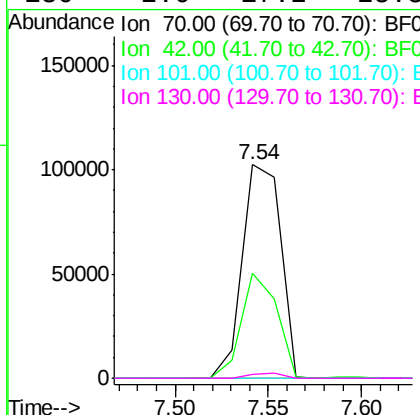
Lab File: BF085109.D

Acq: 2 Mar 2016 10:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 145854

Ion	Ratio	Lower	Upper
70	100		
42	49.2	41.9	62.9
101	0.0	7.8	11.8#
130	2.0	17.2	25.8#



#20

3+4-Methylphenols

Concen: 0.02 ng

RT: 7.14 min Scan# 486

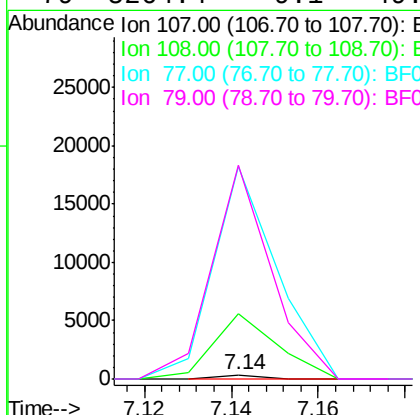
Delta R.T. -0.25 min

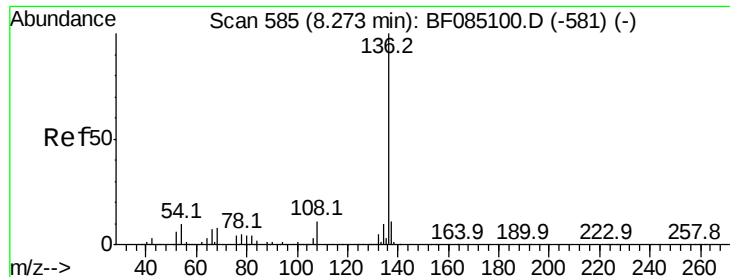
Lab File: BF085109.D

Acq: 2 Mar 2016 10:25

Tgt Ion: 107 Resp: 239

Ion	Ratio	Lower	Upper
107	100		
108	1606.6	67.8	107.8#
77	5234.5	50.6	90.6#
79	5264.4	9.1	49.1#

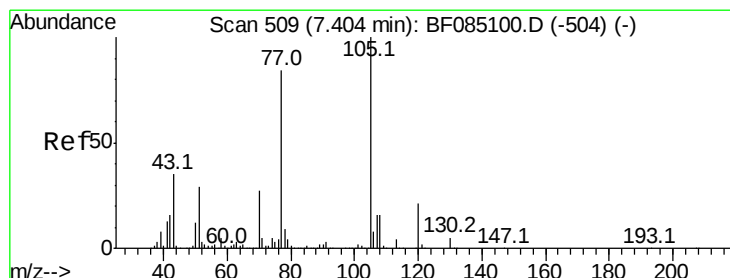
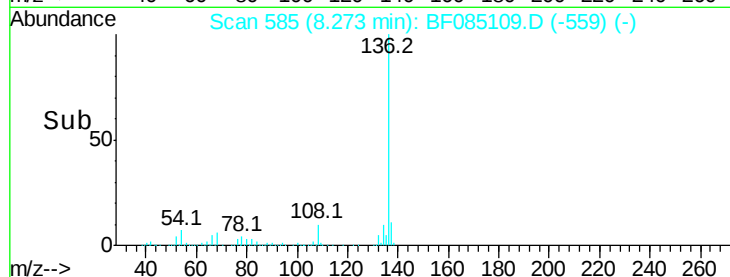
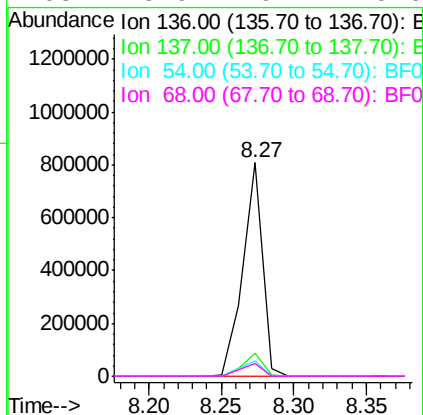
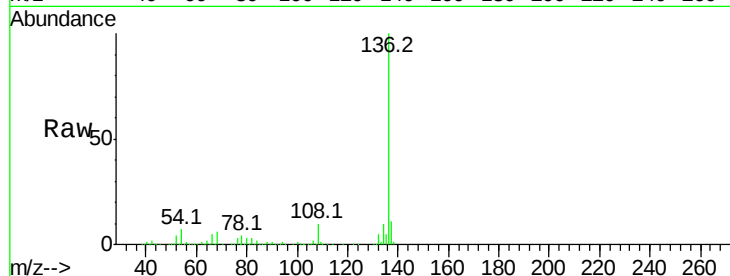




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.27 min Scan# 585
Delta R.T. 0.00 min
Lab File: BF085109.D
Acq: 2 Mar 2016 10:25

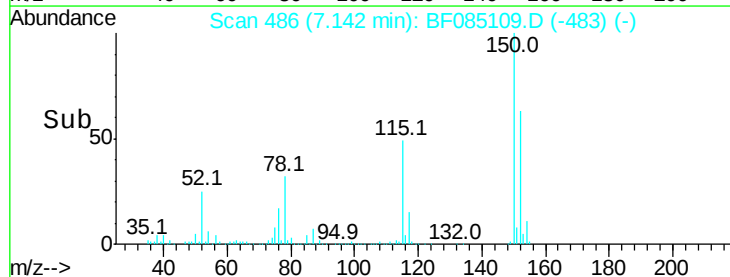
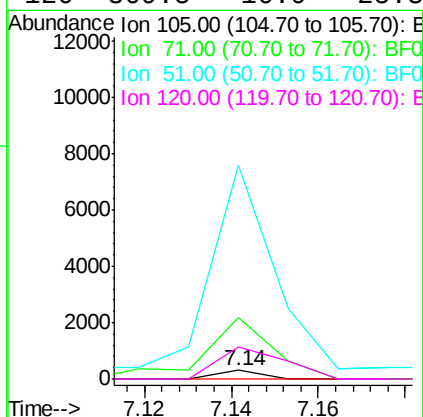
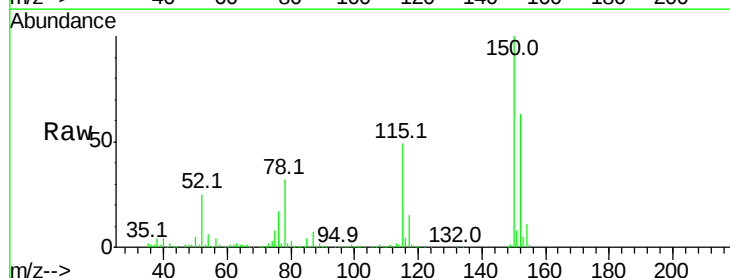
Instrument :
BNA_F
ClientSampleId :

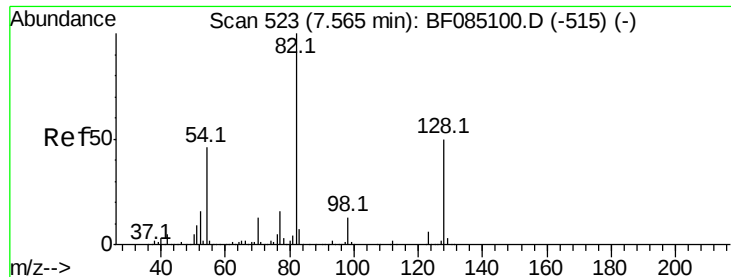
Tot Ion:	136	Resp:	760299
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	7.2	8.5	12.7#
68	5.9	6.4	9.6#



#22
Acetophenone
Concen: 0.01 ng
RT: 7.14 min Scan# 486
Delta R.T. -0.26 min
Lab File: BF085109.D
Acq: 2 Mar 2016 10:25

Tgt Ion:	105	Resp:	211
Ion	Ratio	Lower	Upper
105	100		
71	714.0	3.8	5.6#
51	2462.7	22.9	34.3#
120	369.5	16.9	25.3#

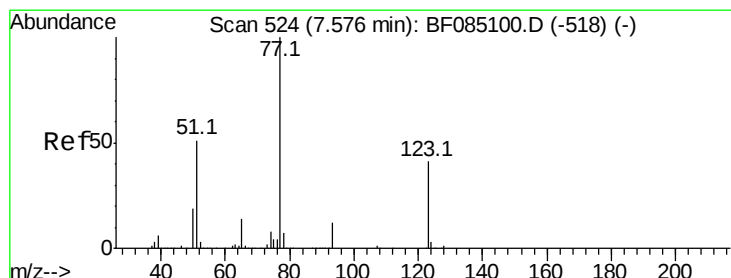
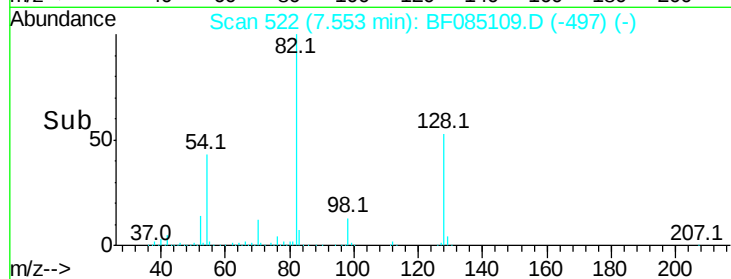
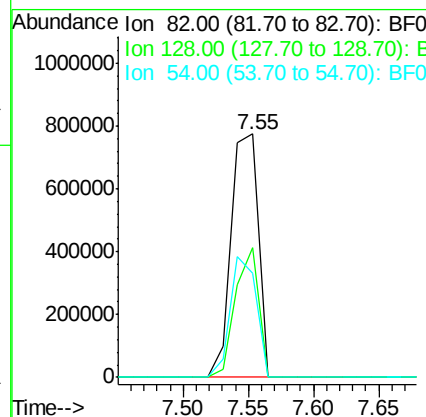
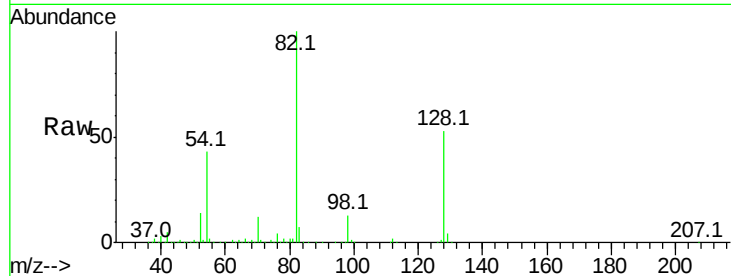




#23
Nitrobenzene-d5
Concen: 77.84 ng
RT: 7.55 min Scan# 522
Delta R.T. -0.01 min
Lab File: BF085109.D
Acq: 2 Mar 2016 10:25

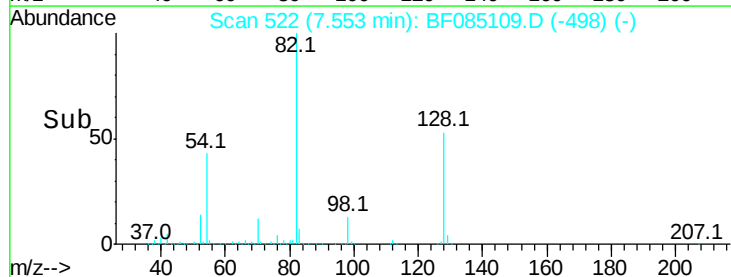
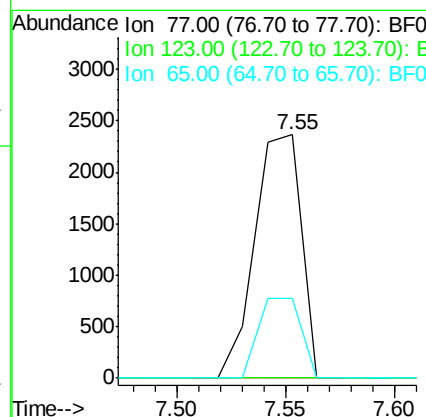
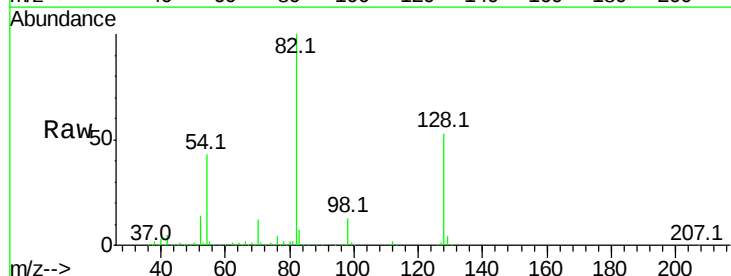
Instrument :
BNA_F
ClientSampled :

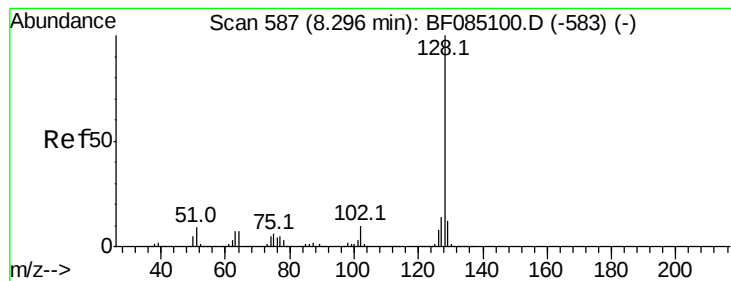
Tot Ion: 82 Resp: 1112403
Ion Ratio Lower Upper
82 100
128 53.1 39.8 59.6
54 42.9 36.6 54.8



#24
Nitrobenzene
Concen: 0.24 ng
RT: 7.55 min Scan# 522
Delta R.T. -0.02 min
Lab File: BF085109.D
Acq: 2 Mar 2016 10:25

Tgt Ion: 77 Resp: 3535
Ion Ratio Lower Upper
77 100
123 0.0 33.4 50.2#
65 32.9 10.9 16.3#





#31

Naphthalene

Concen: 0.03 ng

RT: 8.38 min Scan# 594

Delta R.T. 0.08 min

Lab File: BF085109.D

Acq: 2 Mar 2016 10:25

Instrument :

BNA_F

ClientSampleId :

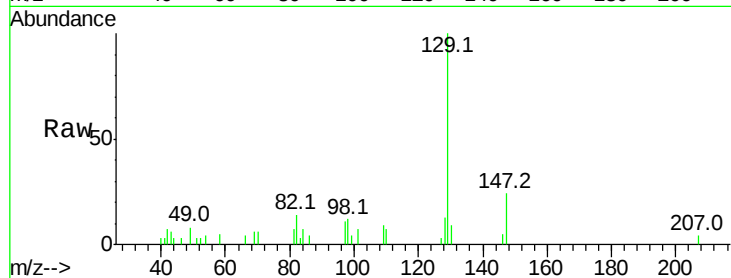
Tot Ion:128 Resp: 1210

Ion Ratio Lower Upper

128 100

129 751.9 9.7 14.5#

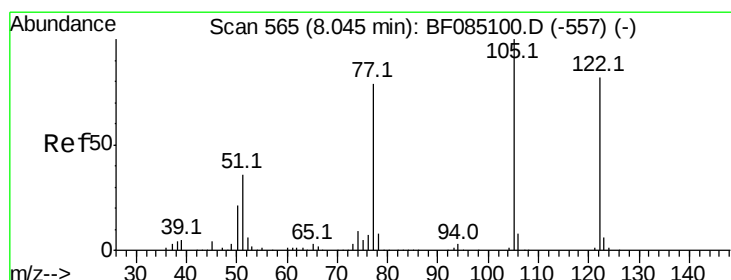
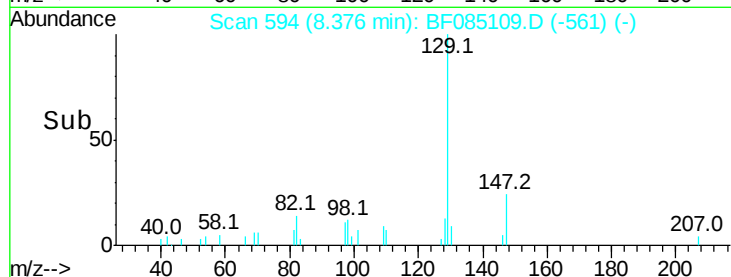
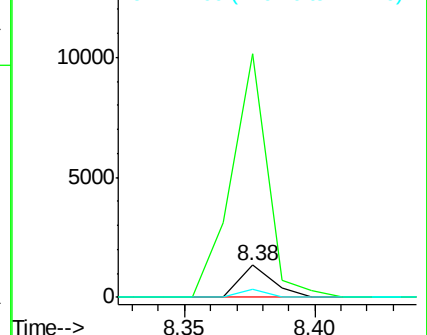
127 25.6 11.1 16.7#



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: 12.43 ng

RT: 8.27 min Scan# 585

Delta R.T. 0.23 min

Lab File: BF085109.D

Acq: 2 Mar 2016 10:25

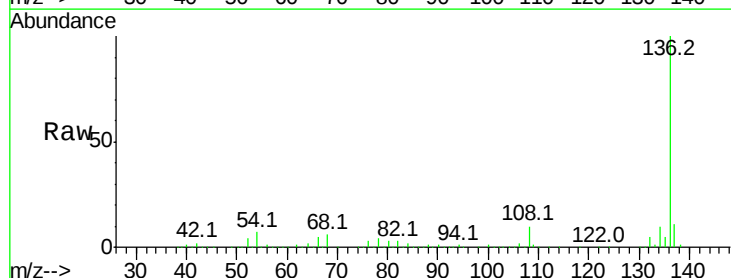
Tgt Ion:122 Resp: 213

Ion Ratio Lower Upper

122 100

105 283.0 102.0 142.0#

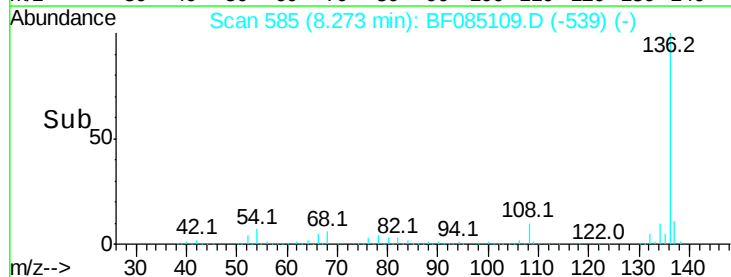
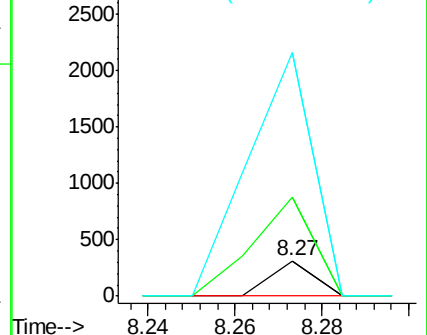
77 694.9 76.8 116.8#

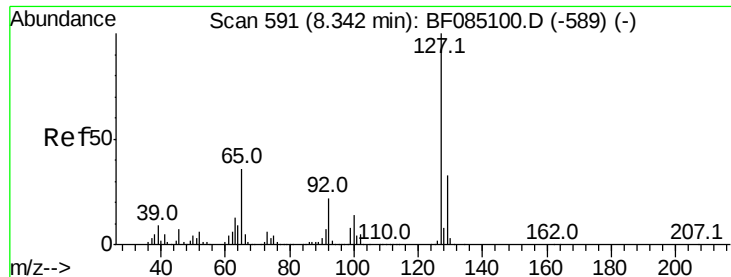


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

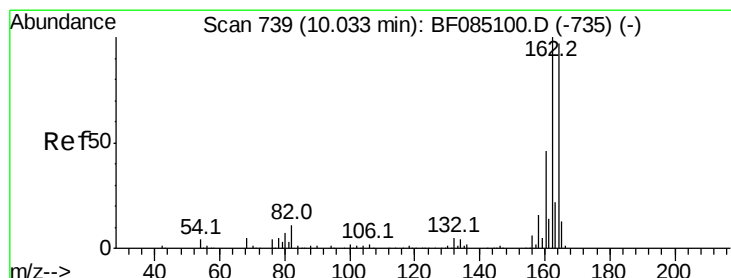
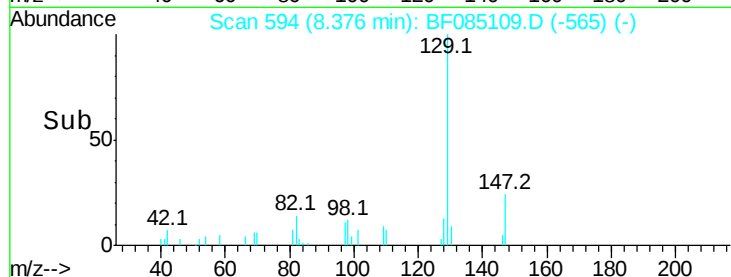
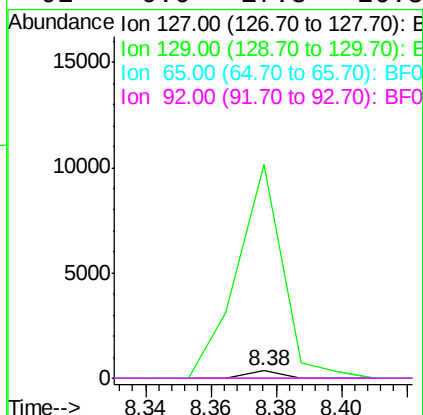
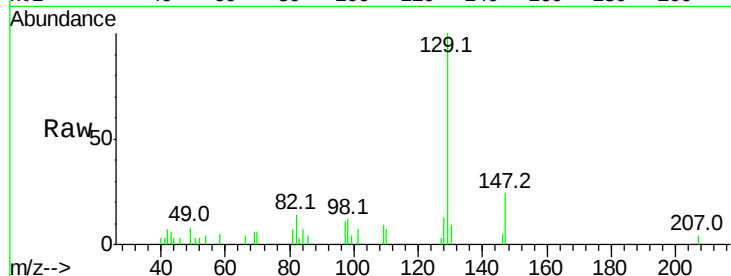




#33
4-Chloroaniline
Concen: 0.02 ng
RT: 8.38 min Scan# 594
Delta R.T. 0.03 min
Lab File: BF085109.D
Acq: 2 Mar 2016 10:25

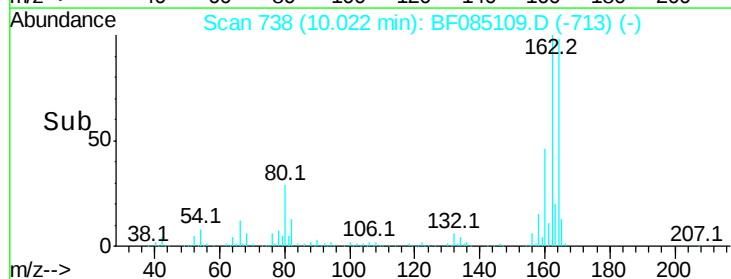
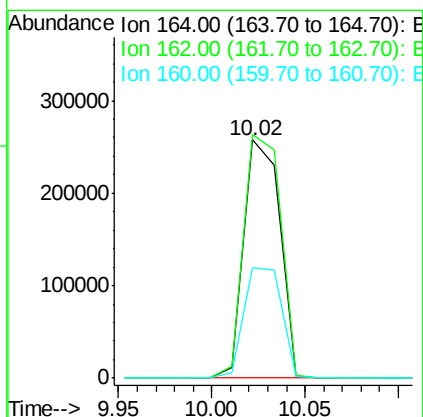
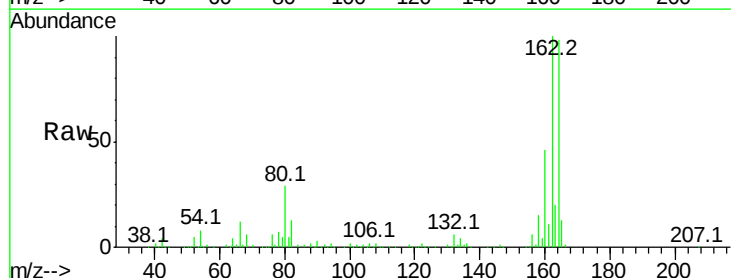
Instrument :
BNA_F
ClientSampleId :

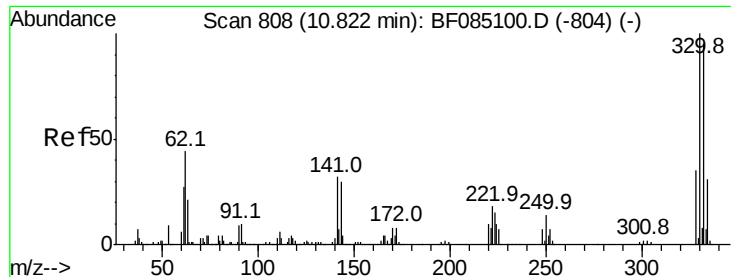
Tot Ion:127 Resp: 237
Ion Ratio Lower Upper
127 100
129 2931.5 26.3 39.5#
65 0.0 28.6 43.0#
92 0.0 17.8 26.8#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.02 min Scan# 738
Delta R.T. -0.01 min
Lab File: BF085109.D
Acq: 2 Mar 2016 10:25

Tgt Ion:164 Resp: 343188
Ion Ratio Lower Upper
164 100
162 102.3 82.6 123.8
160 46.6 38.2 57.2

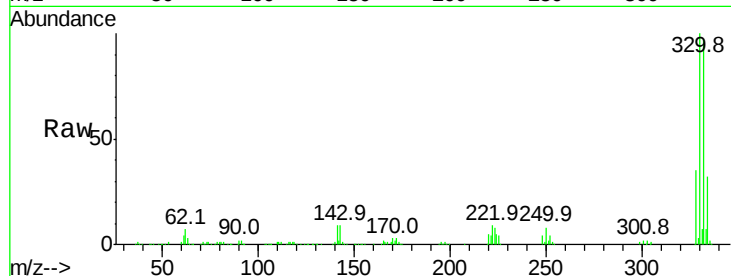




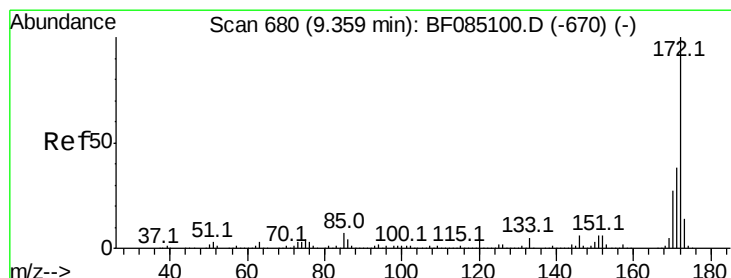
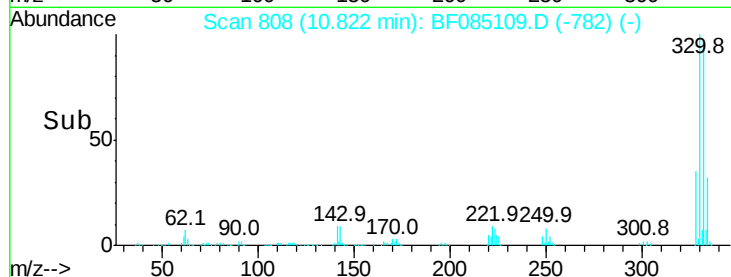
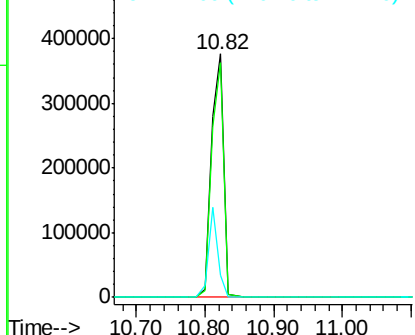
#41
 2,4,6-Tribromophenol
 Concen: 135.47 ng
 RT: 10.82 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: BF085109.D
 Acq: 2 Mar 2016 10:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 467224
 Ion Ratio Lower Upper
 330 100
 332 95.7 75.9 113.9
 141 28.6 28.9 43.3#

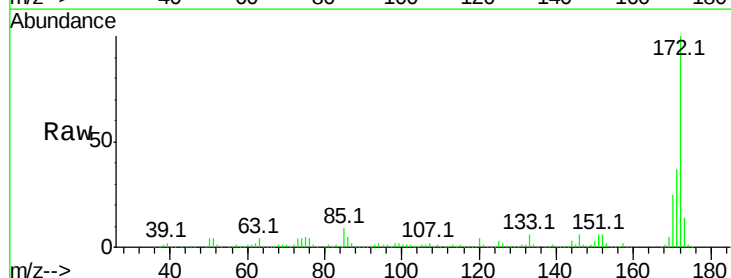


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

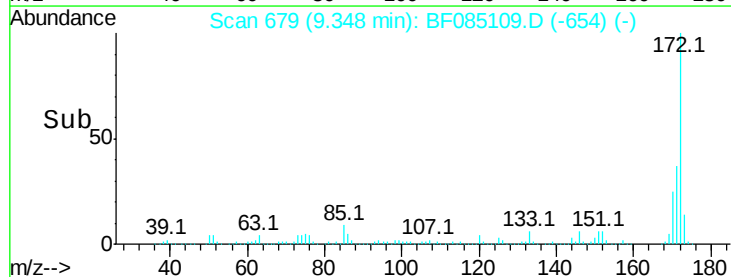
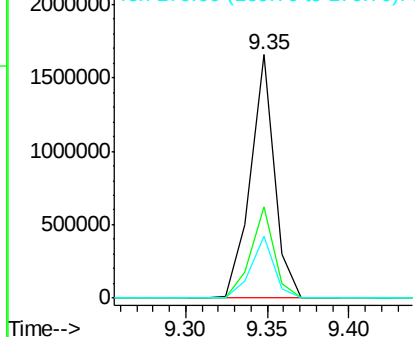


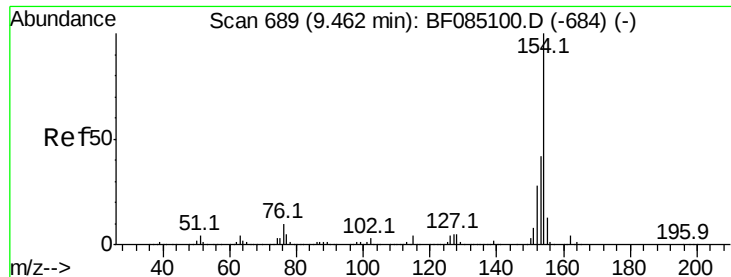
#44
 2-Fluorobiphenyl
 Concen: 72.78 ng
 RT: 9.35 min Scan# 679
 Delta R.T. -0.01 min
 Lab File: BF085109.D
 Acq: 2 Mar 2016 10:25

Tgt Ion:172 Resp: 1695867
 Ion Ratio Lower Upper
 172 100
 171 37.3 30.5 45.7
 170 25.3 21.2 31.8



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





#45

1,1'-Biphenyl

Concen: 0.13 ng

RT: 9.35 min Scan# 679

Delta R.T. -0.11 min

Lab File: BF085109.D

Acq: 2 Mar 2016 10:25

Instrument :

BNA_F

ClientSampled :

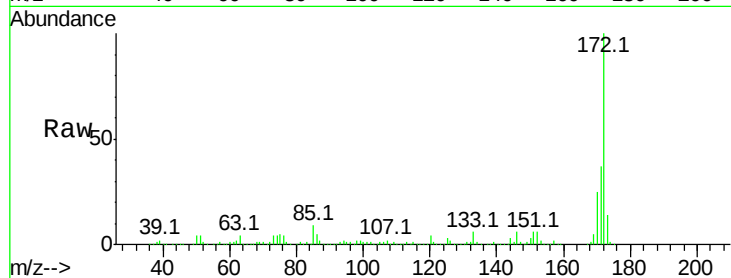
Tot Ion:154 Resp: 3962

Ion Ratio Lower Upper

154 100

153 846.2 21.5 61.5#

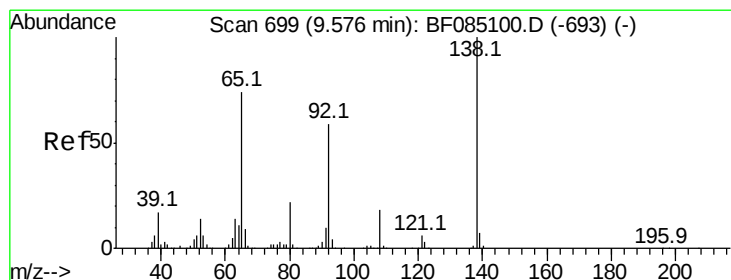
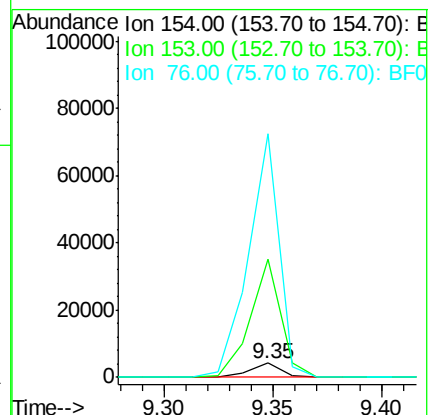
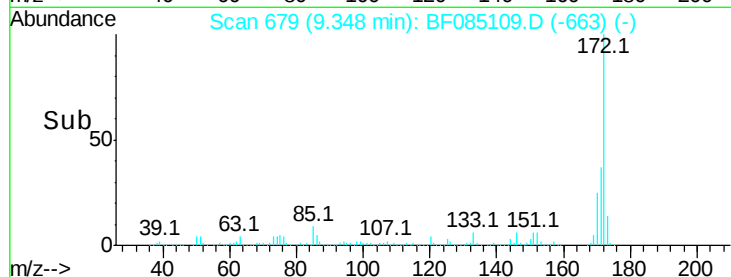
76 1737.1 0.0 29.7#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#47

2-Nitroaniline

Concen: 0.43 ng

RT: 9.35 min Scan# 679

Delta R.T. -0.23 min

Lab File: BF085109.D

Acq: 2 Mar 2016 10:25

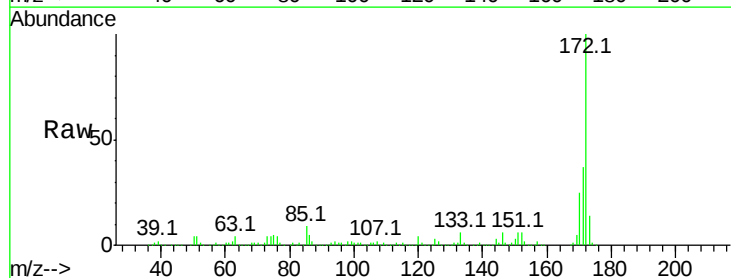
Tgt Ion: 65 Resp: 3007

Ion Ratio Lower Upper

65 100

92 223.2 63.8 95.6#

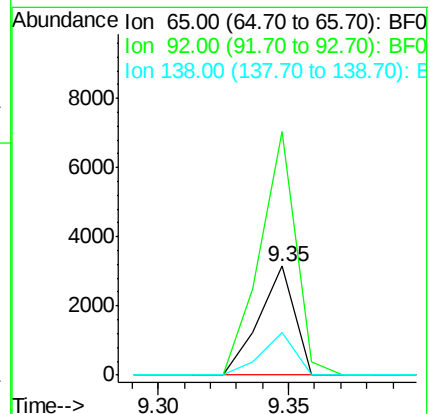
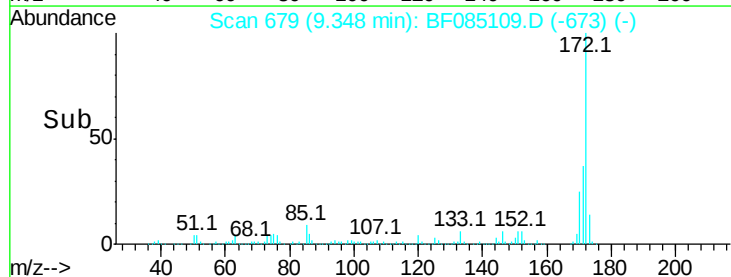
138 38.9 108.5 162.7#

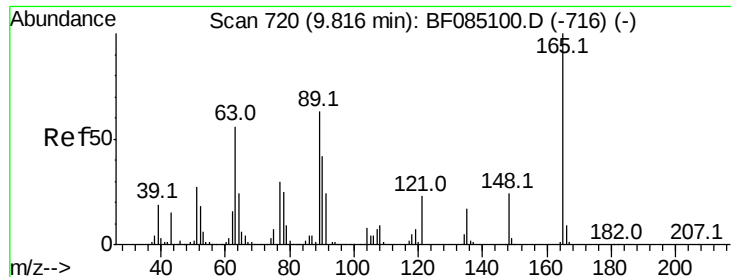


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E





#50

2,6-Dinitrotoluene

Concen: 8.36 ng

RT: 10.02 min Scan# 738

Delta R.T. 0.21 min

Lab File: BF085109.D

Acq: 2 Mar 2016 10:25

Instrument :

BNA_F

ClientSampleId :

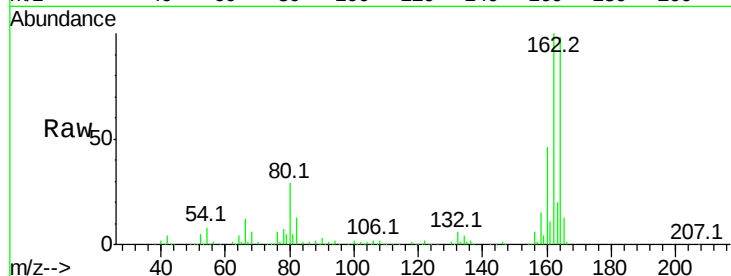
Tot Ion:165 Resp: 44089

Ion Ratio Lower Upper

165 100

63 1.7 47.4 71.2#

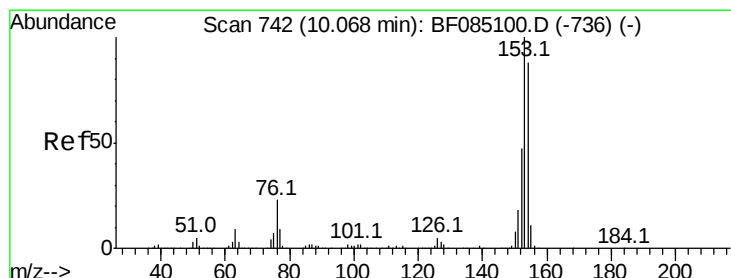
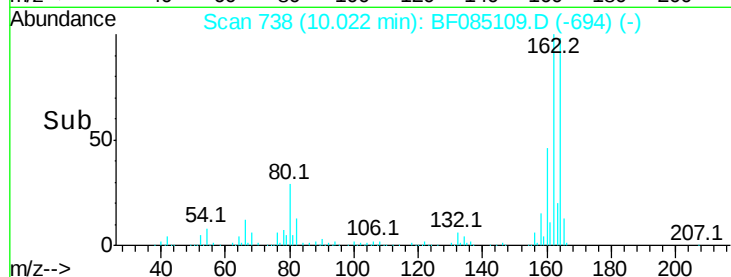
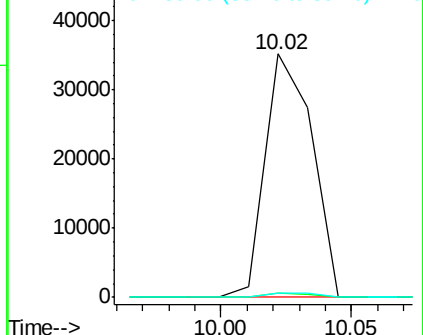
89 1.7 50.2 75.2#



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



#51

Acenaphthene

Concen: 0.07 ng

RT: 10.02 min Scan# 738

Delta R.T. -0.05 min

Lab File: BF085109.D

Acq: 2 Mar 2016 10:25

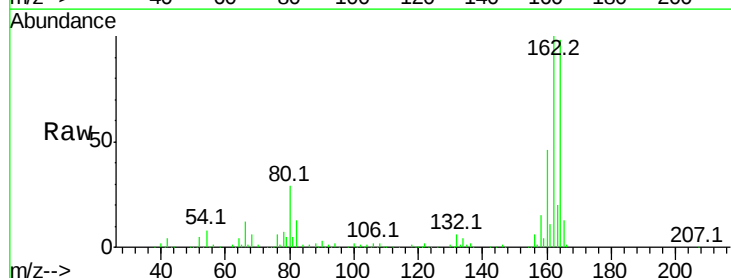
Tgt Ion:154 Resp: 1469

Ion Ratio Lower Upper

154 100

153 0.0 91.0 136.6#

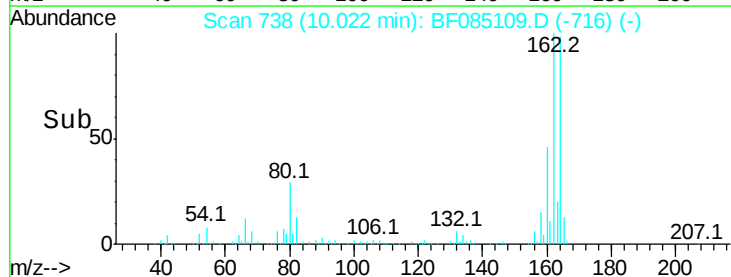
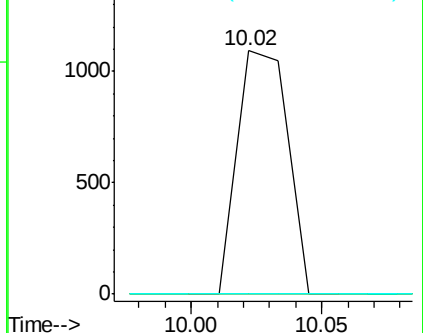
152 0.0 43.0 64.6#

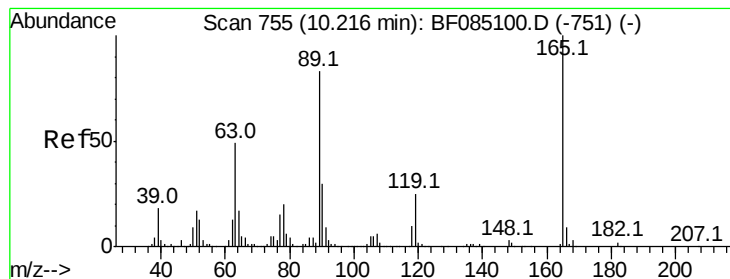


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#56

2,4-Dinitrotoluene

Concen: 6.20 ng

RT: 10.02 min Scan# 738

Delta R.T. -0.19 min

Lab File: BF085109.D

Acq: 2 Mar 2016 10:25

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 44080

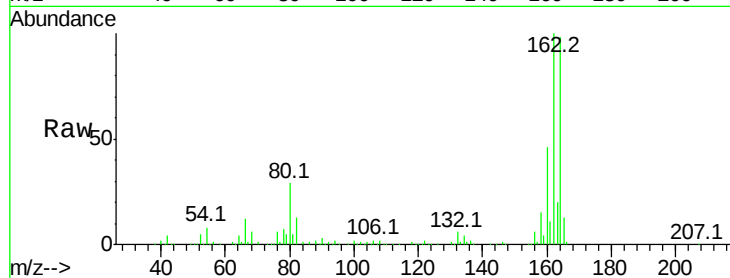
Ion Ratio Lower Upper

165 100

63 1.7 39.2 58.8#

89 1.7 66.2 99.4#

182 0.0 1.8 2.8#

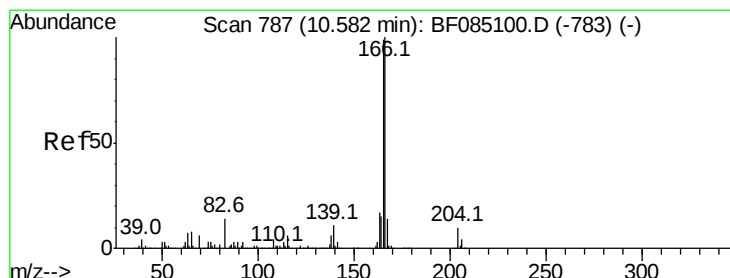
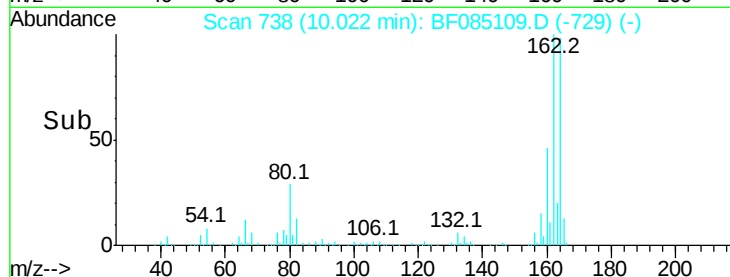
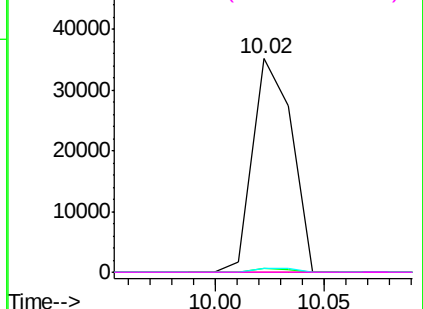


Abundance Ion 165.00 (164.70 to 165.70): E

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: 0.81 ng

RT: 10.81 min Scan# 807

Delta R.T. 0.23 min

Lab File: BF085109.D

Acq: 2 Mar 2016 10:25

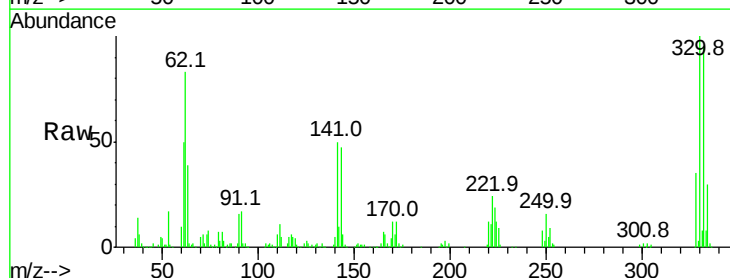
Tgt Ion:166 Resp: 17177

Ion Ratio Lower Upper

166 100

165 105.0 79.4 119.2

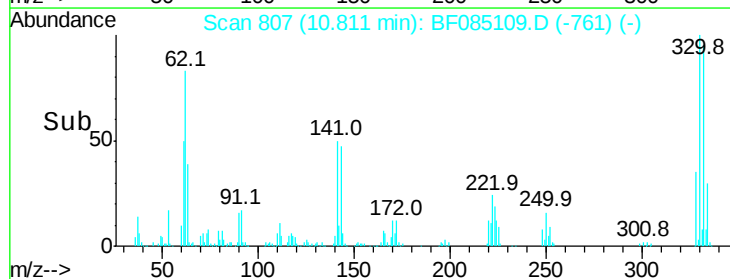
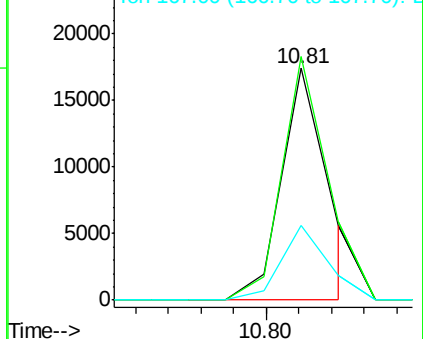
167 31.9 11.2 16.8#

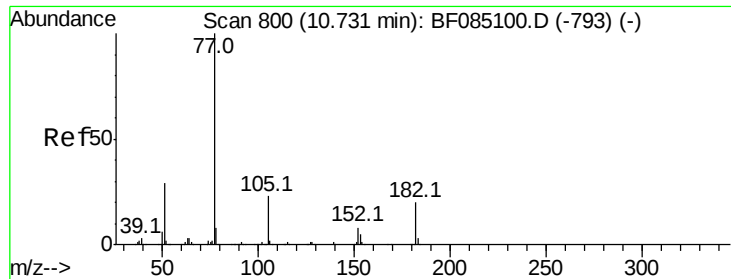


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

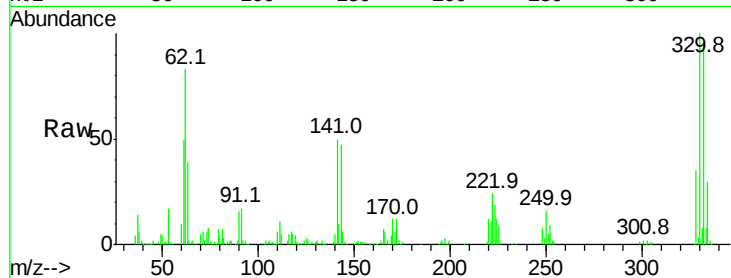




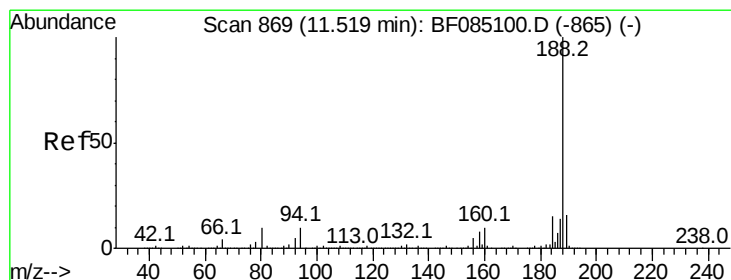
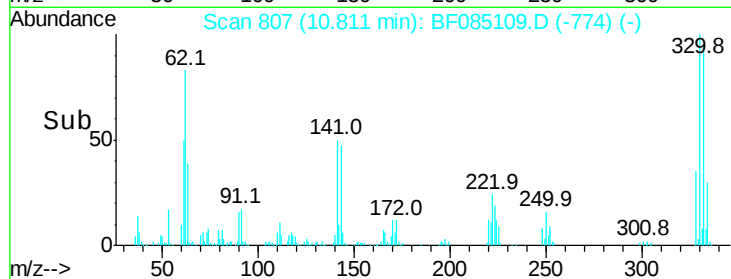
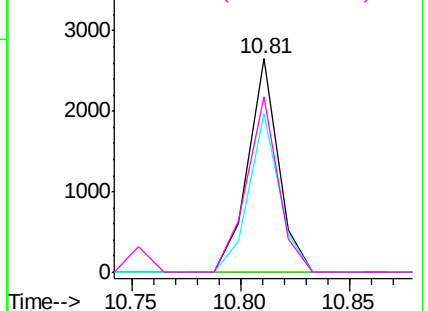
#62
Azobenzene
Concen: 0.11 ng
RT: 10.81 min Scan# 807
Delta R.T. 0.08 min
Lab File: BF085109.D
Acq: 2 Mar 2016 10:25

Instrument :
BNA_F
ClientSampled :

Tot Ion: 77 Resp: 2596
Ion Ratio Lower Upper
77 100
182 0.0 0.0 39.8
105 74.2 2.7 42.7#
51 82.3 9.4 49.4#

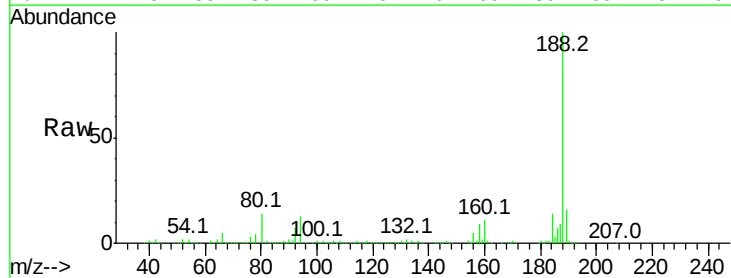


Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF0

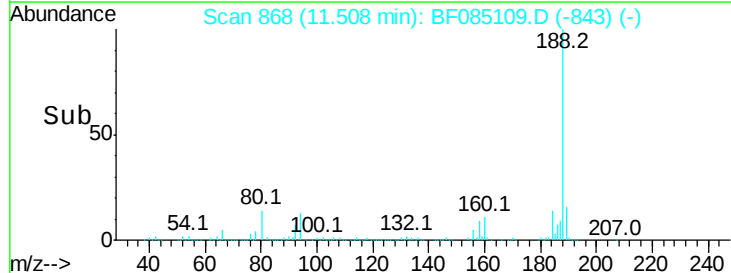
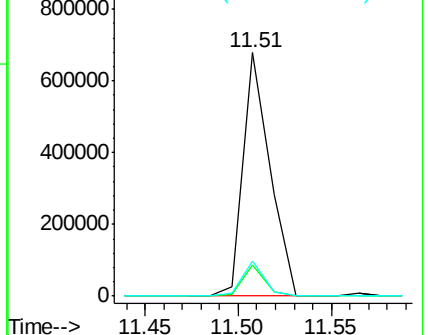


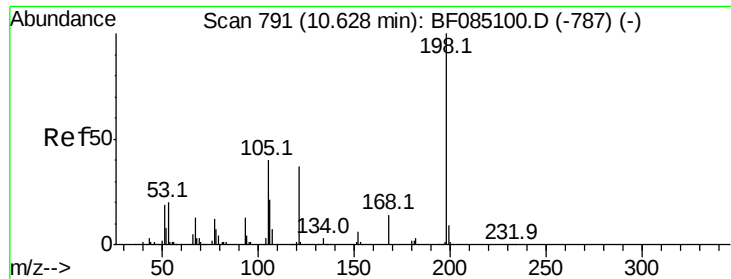
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.51 min Scan# 868
Delta R.T. -0.01 min
Lab File: BF085109.D
Acq: 2 Mar 2016 10:25

Tgt Ion: 188 Resp: 680509
Ion Ratio Lower Upper
188 100
94 12.8 7.8 11.6#
80 14.3 8.2 12.4#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 7.42 ng

RT: 10.81 min Scan# 807

Delta R.T. 0.18 min

Lab File: BF085109.D

Acq: 2 Mar 2016 10:25

Instrument :

BNA_F

ClientSampled :

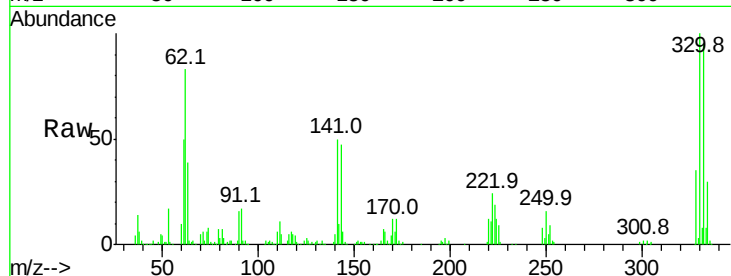
Tot Ion:198 Resp: 1063

Ion Ratio Lower Upper

198 100

51 231.3 12.5 52.5#

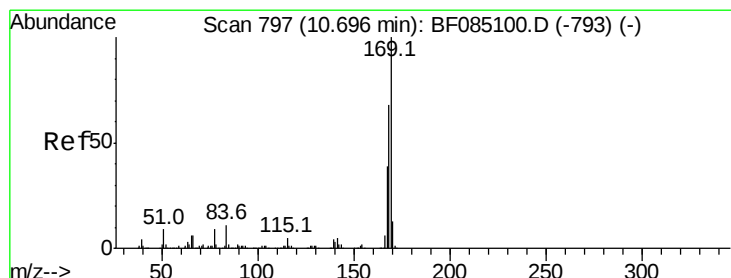
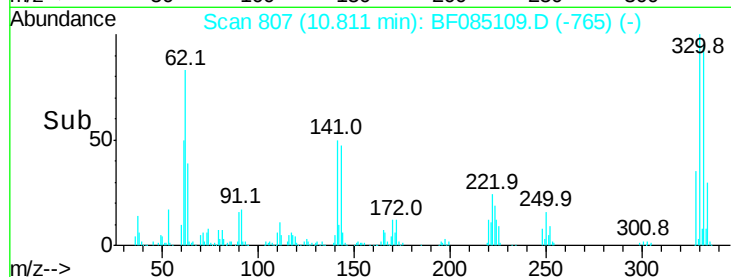
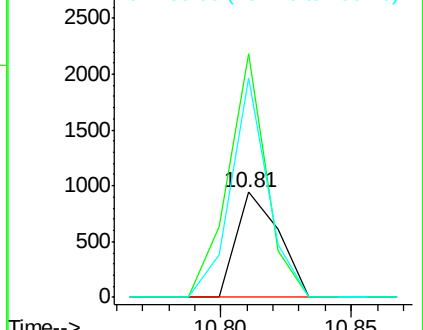
105 208.7 20.2 60.2#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 0.55 ng

RT: 10.81 min Scan# 807

Delta R.T. 0.11 min

Lab File: BF085109.D

Acq: 2 Mar 2016 10:25

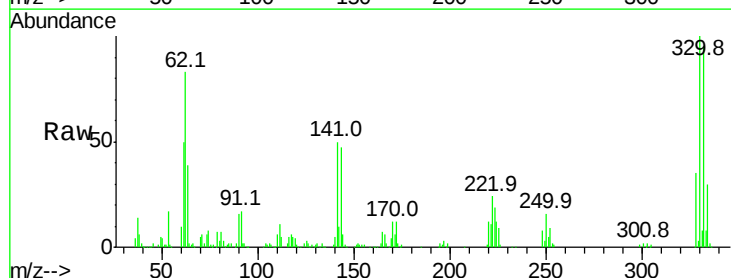
Tgt Ion:169 Resp: 11717

Ion Ratio Lower Upper

169 100

168 8.4 54.6 81.8#

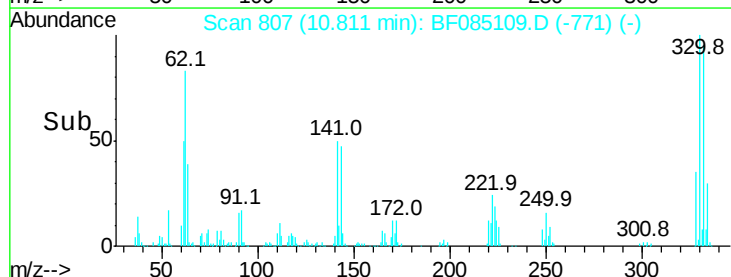
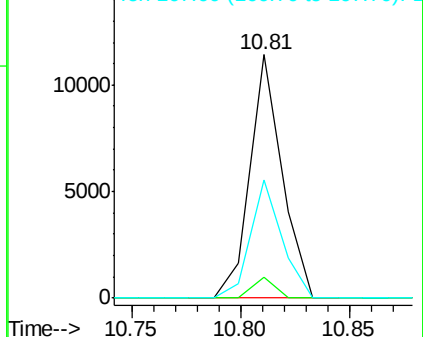
167 48.7 30.8 46.2#

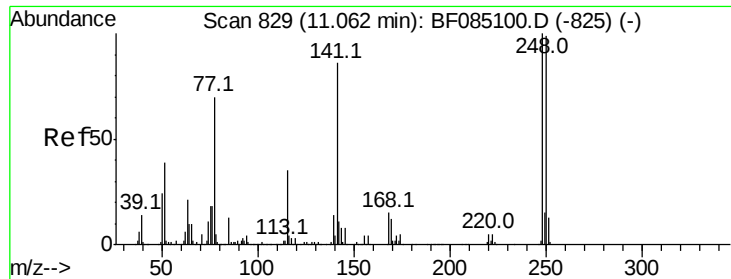


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

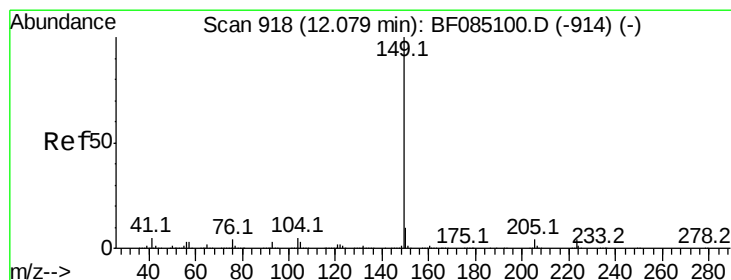
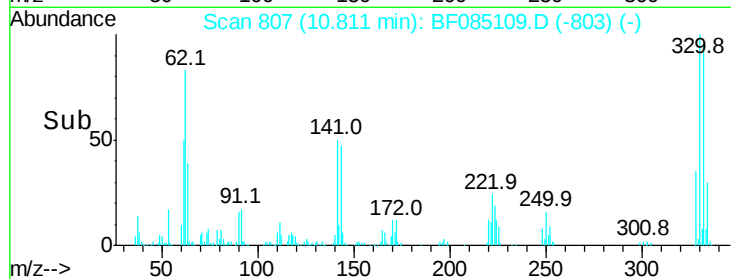
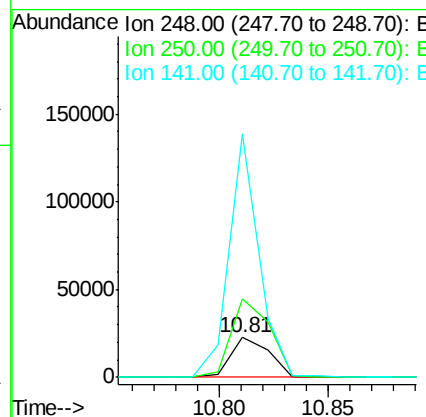
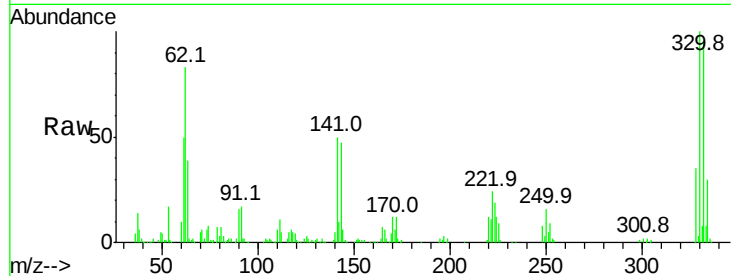




#66
 4-Bromophenyl-phenylether
 Concen: 3.83 ng
 RT: 10.81 min Scan# 807
 Delta R.T. -0.25 min
 Lab File: BF085109.D
 Acq: 2 Mar 2016 10:25

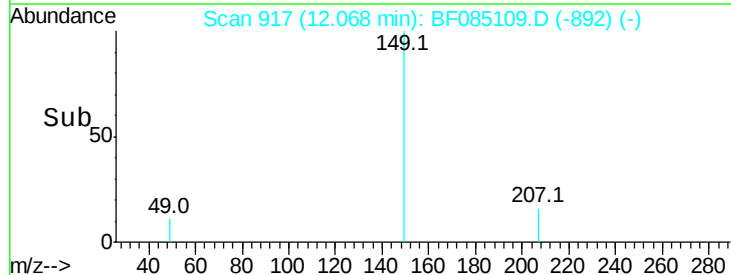
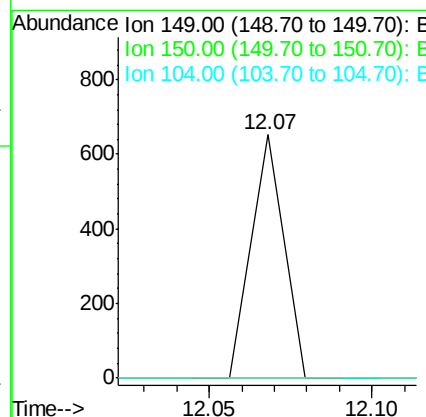
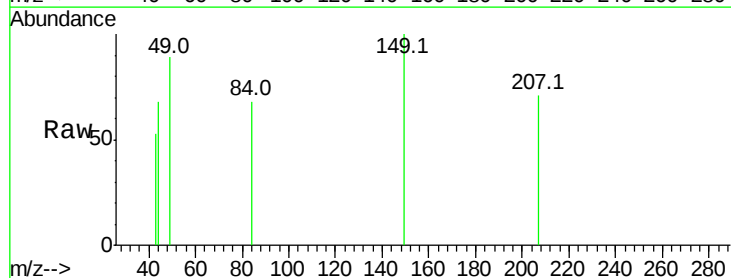
Instrument :
 BNA_F
 ClientSampled :

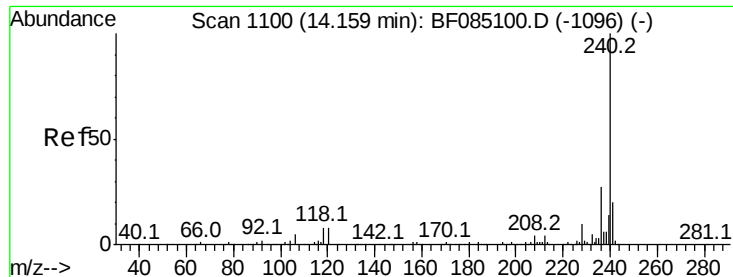
Tot Ion:248 Resp: 27385
 Ion Ratio Lower Upper
 248 100
 250 196.7 79.0 118.4#
 141 614.6 68.6 103.0#



#73
 Di-n-butylphthalate
 Concen: 0.01 ng
 RT: 12.07 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: BF085109.D
 Acq: 2 Mar 2016 10:25

Tgt Ion:149 Resp: 448
 Ion Ratio Lower Upper
 149 100
 150 0.0 7.7 11.5#
 104 0.0 3.7 5.5#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.15 min Scan# 1099

Delta R.T. -0.01 min

Lab File: BF085109.D

Acq: 2 Mar 2016 10:25

Instrument :

BNA_F

ClientSampleId :

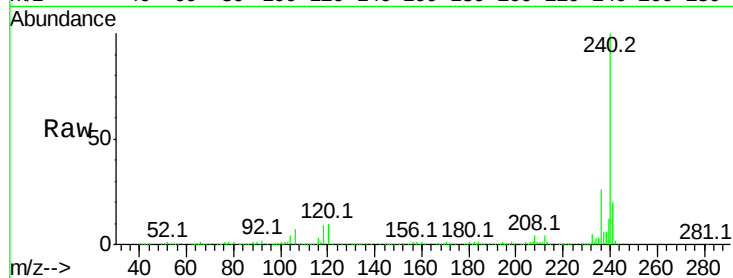
Tot Ion:240 Resp: 595642

Ion Ratio Lower Upper

240 100

120 10.3 6.7 10.1#

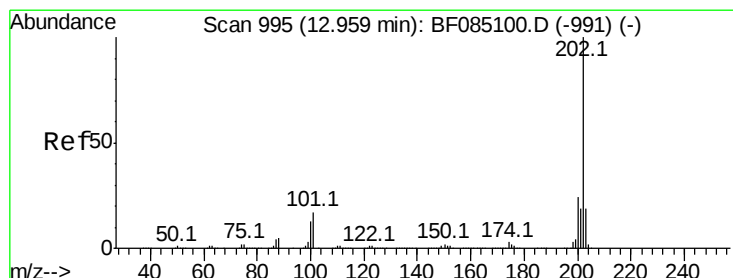
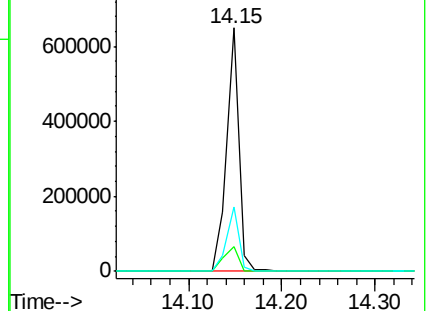
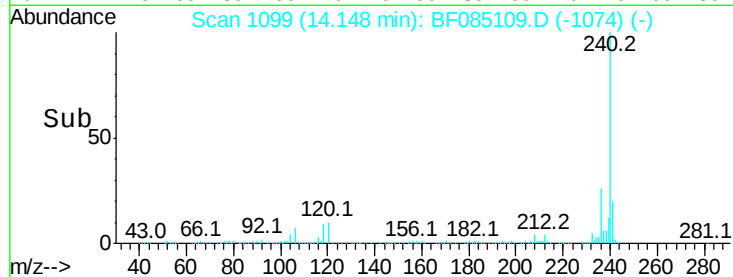
236 26.3 21.6 32.4



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



#77

Pyrene

Concen: 0.15 ng

RT: 13.10 min Scan# 1007

Delta R.T. 0.14 min

Lab File: BF085109.D

Acq: 2 Mar 2016 10:25

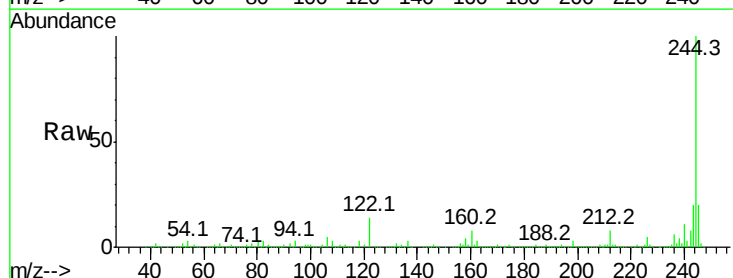
Tgt Ion:202 Resp: 6239

Ion Ratio Lower Upper

202 100

200 52.1 19.0 28.6#

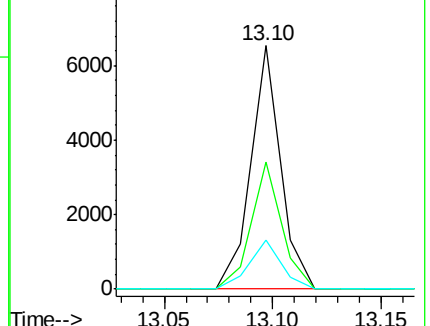
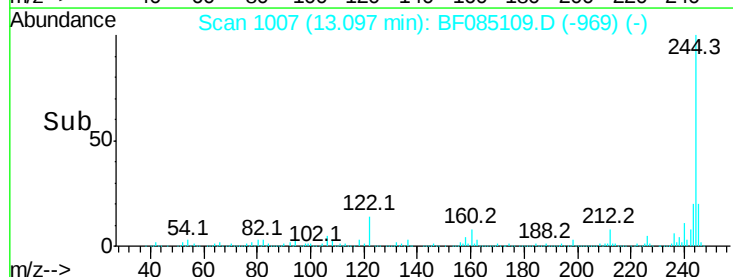
203 20.2 15.0 22.6

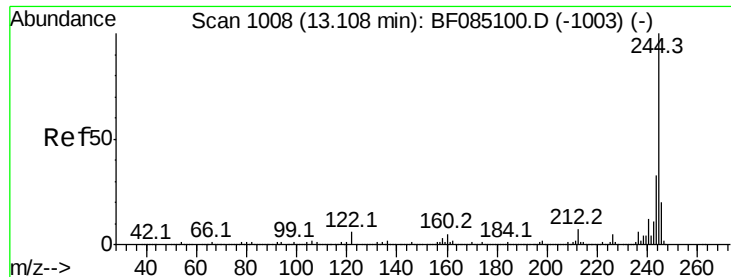


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 71.73 ng

RT: 13.10 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF085109.D

Acq: 2 Mar 2016 10:25

Instrument :

BNA_F

ClientSampleId :

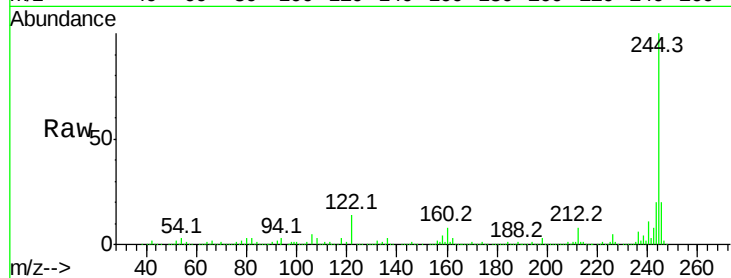
Tot Ion:244 Resp: 1821324

Ion Ratio Lower Upper

244 100

212 7.7 5.4 8.0

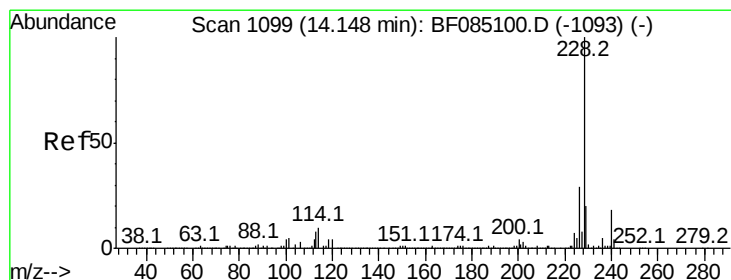
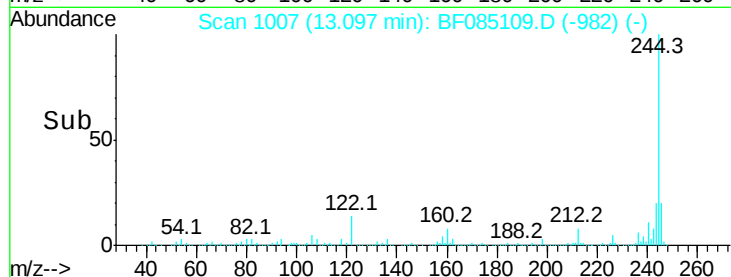
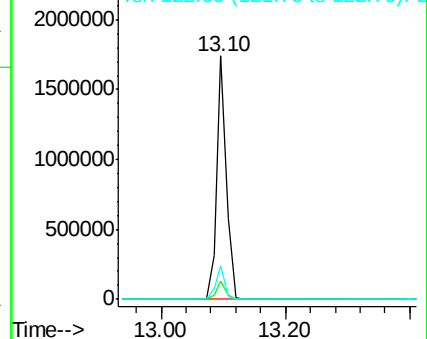
122 13.7 5.1 7.7#



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



#80

Benzo(a)anthracene

Concen: 0.05 ng

RT: 14.15 min Scan# 1099

Delta R.T. 0.00 min

Lab File: BF085109.D

Acq: 2 Mar 2016 10:25

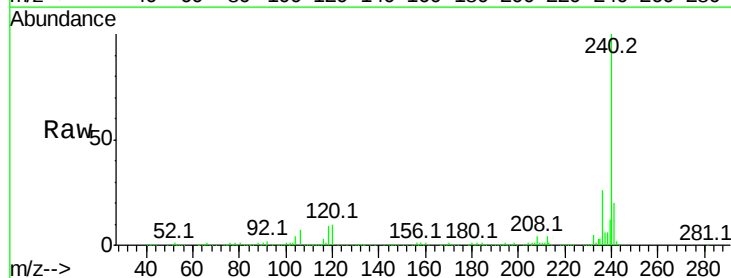
Tgt Ion:228 Resp: 1671

Ion Ratio Lower Upper

228 100

226 0.0 23.0 34.4#

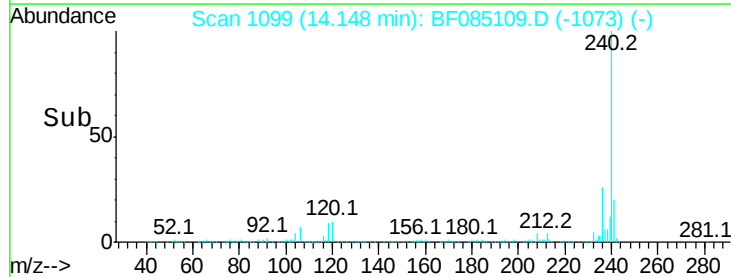
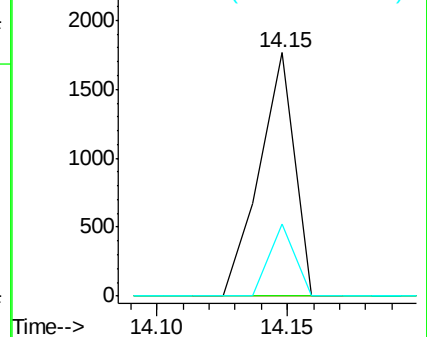
229 29.7 16.1 24.1#

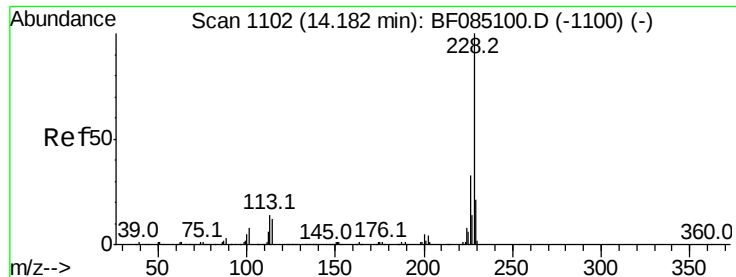


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 0.05 ng

RT: 14.15 min Scan# 1099

Delta R.T. -0.03 min

Lab File: BF085109.D

Acq: 2 Mar 2016 10:25

Instrument :

BNA_F

ClientSampleId :

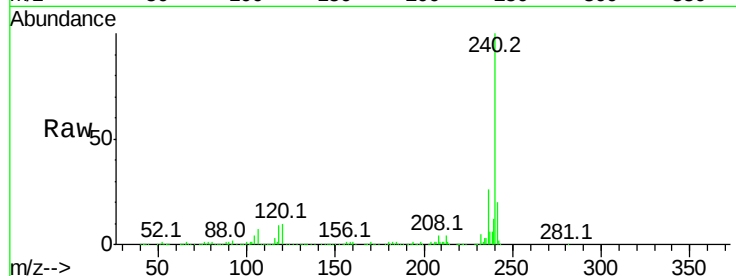
Tot Ion:228 Resp: 1671

Ion Ratio Lower Upper

228 100

226 0.0 26.2 39.4#

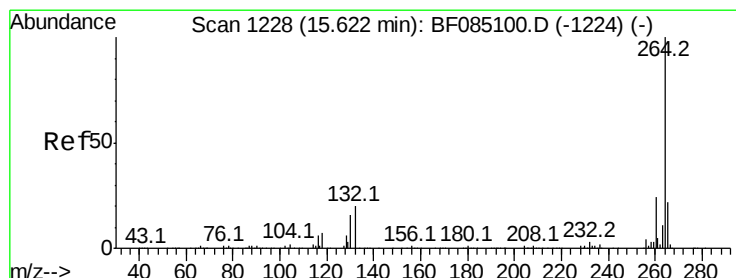
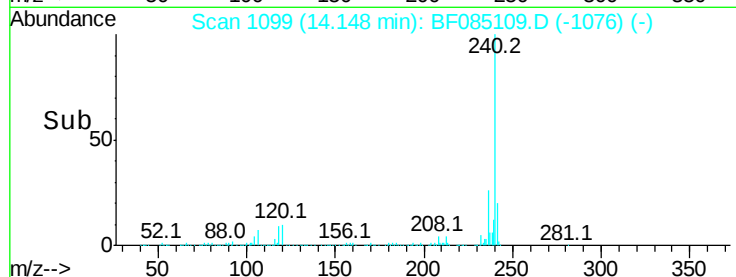
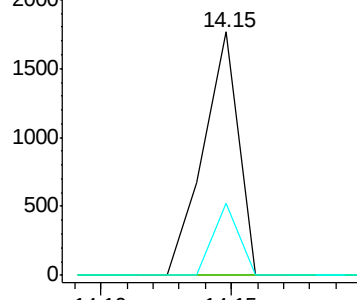
229 29.7 16.5 24.7#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.62 min Scan# 1228

Delta R.T. 0.00 min

Lab File: BF085109.D

Acq: 2 Mar 2016 10:25

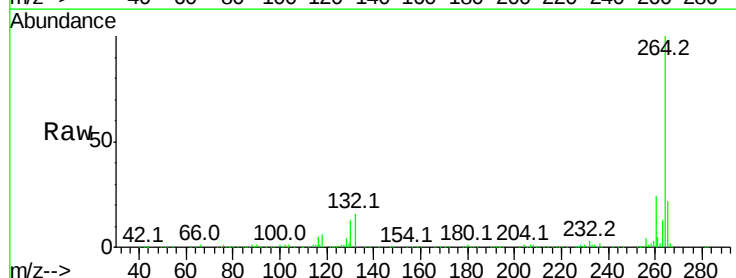
Tgt Ion:264 Resp: 407529

Ion Ratio Lower Upper

264 100

260 24.1 19.6 29.4

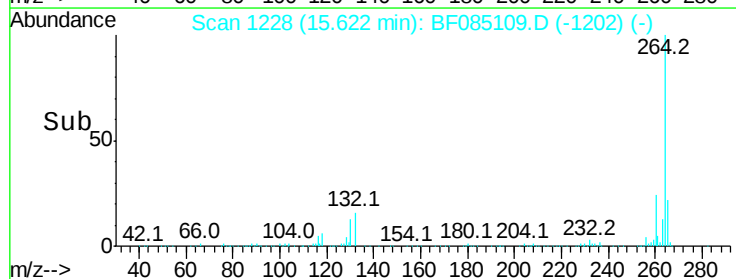
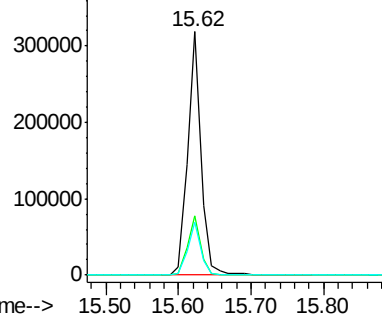
265 21.5 17.4 26.2

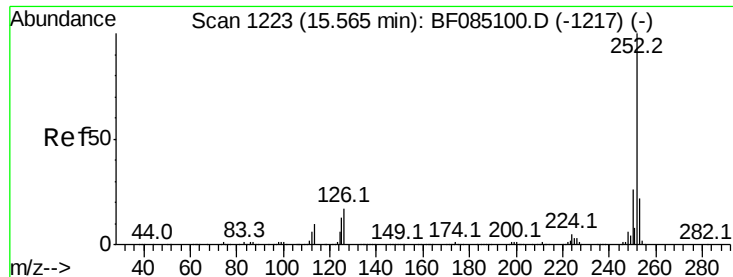


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#89

Benzo(a)pyrene

Concen: 0.07 ng

RT: 15.62 min Scan# 1228

Delta R.T. 0.06 min

Lab File: BF085109.D

Acq: 2 Mar 2016 10:25

Instrument :

BNA_F

ClientSampleId :

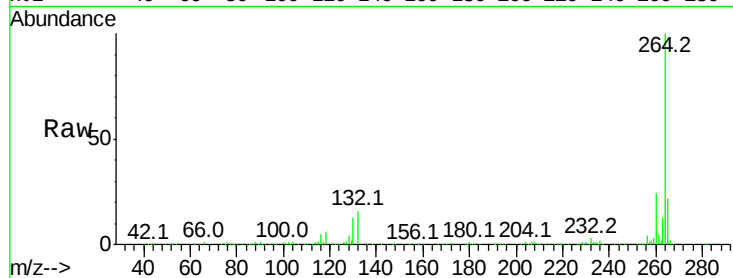
Tot Ion:252 Resp: 1542

Ion Ratio Lower Upper

252 100

253 35.1 18.0 27.0#

125 0.0 10.2 15.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

