

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040416\
 Data File : BF086076.D
 Acq On : 5 Apr 2016 10:39
 Operator : UM/SJ
 Sample : H2142-01
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 225-4TH-AVE-DISCHARGE

Quant Time: Apr 05 11:31:43 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

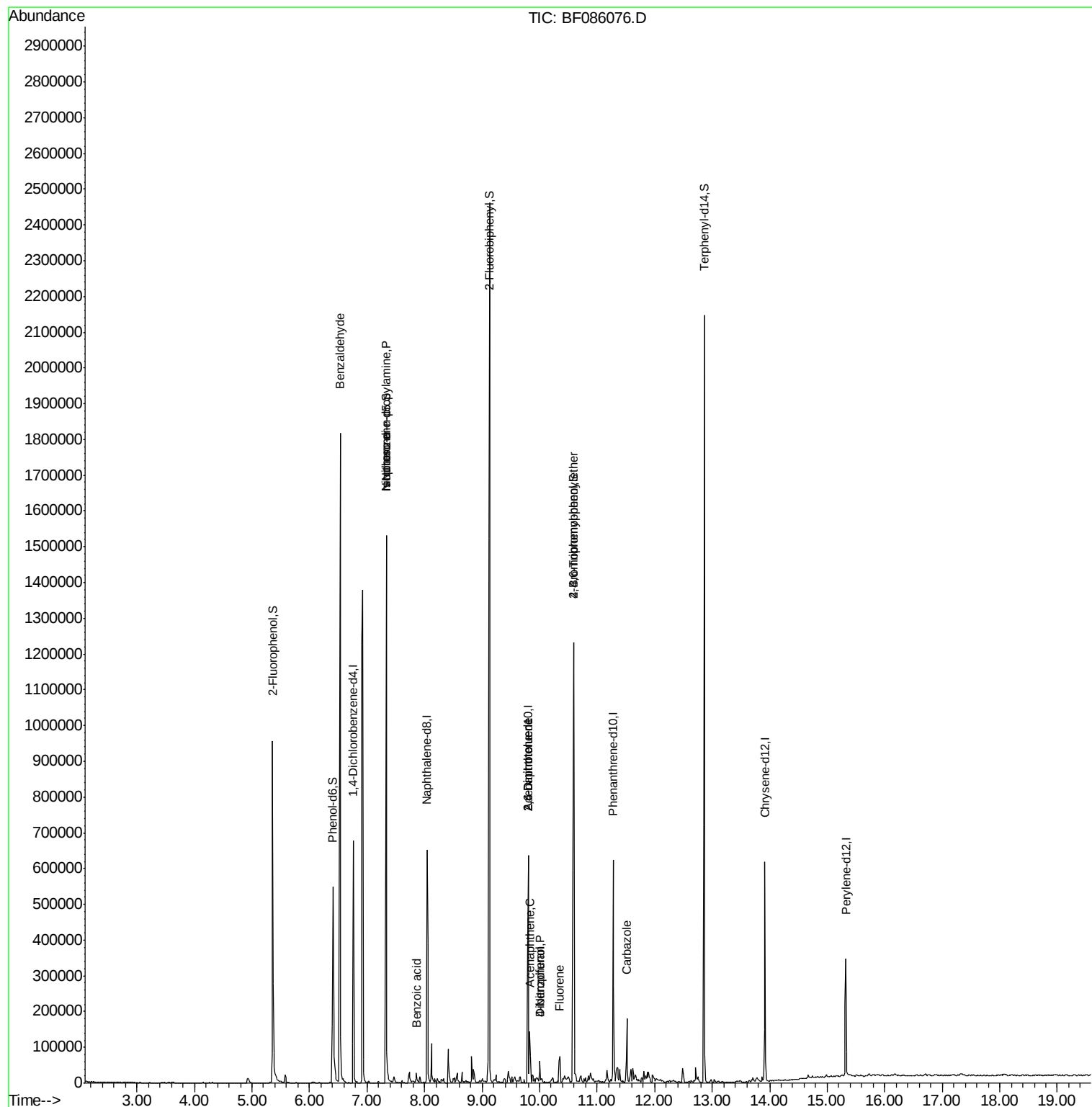
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	104415	20.00	ng	-0.01
21) Naphthalene-d8	8.04	136	368118	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	154404	20.00	ng	-0.01
63) Phenanthrene-d10	11.28	188	247520	20.00	ng	-0.02
75) Chrysene-d12	13.92	240	202697	20.00	ng	-0.01
86) Perylene-d12	15.32	264	151936	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	334534	54.76	ng	-0.01
7) Phenol-d6	6.41	99	257506	33.19	ng	-0.01
23) Nitrobenzene-d5	7.33	82	576296	92.32	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	171303	118.20	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	961332	103.52	ng	-0.01
78) Terphenyl-d14	12.87	244	666066	77.24	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.53	77	14023	3.36	ng	Qvalue 85
19) n-Nitroso-di-n-propylamine	7.33	70	75413	15.68	ng	# 75
25) Isophorone	7.33	82	571057	46.34	ng	# 68
32) Benzoic acid	7.86	122	9328	2.17	ng	# 14
50) 2,6-Dinitrotoluene	9.80	165	19541	8.07	ng	# 20
51) Acenaphthene	9.82	154	36572	3.98	ng	99
54) Dibenzofuran	10.01	168	28105	2.31	ng	99
55) 4-Nitrophenol	10.01	139	11558	6.72	ng	# 10
56) 2,4-Dinitrotoluene	9.80	165	19541	6.39	ng	# 38
57) Fluorene	10.35	166	27527	2.65	ng	99
66) 4-Bromophenyl-phenylether	10.59	248	10930	4.33	ng	# 1
72) Carbazole	11.52	167	61148	5.03	ng	98

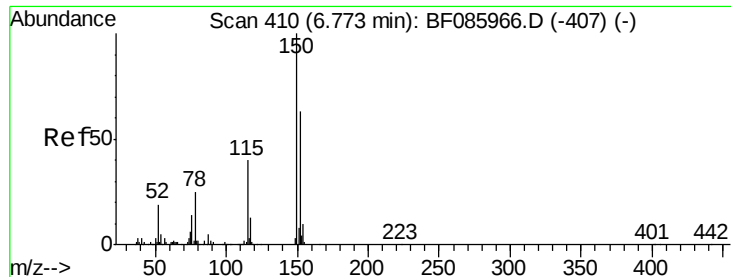
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF086076.D

Acq: 5 Apr 2016 10:39

Instrument :

BNA_F

ClientSampleId :

225-4TH-AVE-DISCHARGE

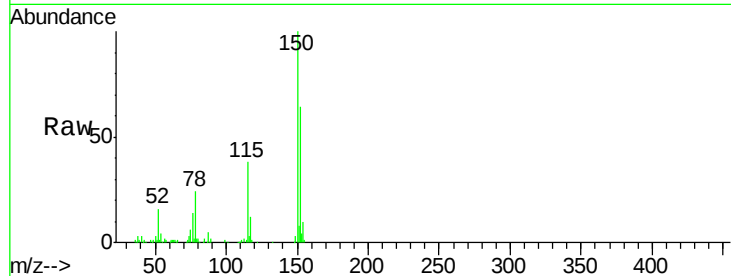
Tot Ion:152 Resp: 104415

Ion Ratio Lower Upper

152 100

150 156.8 124.2 186.2

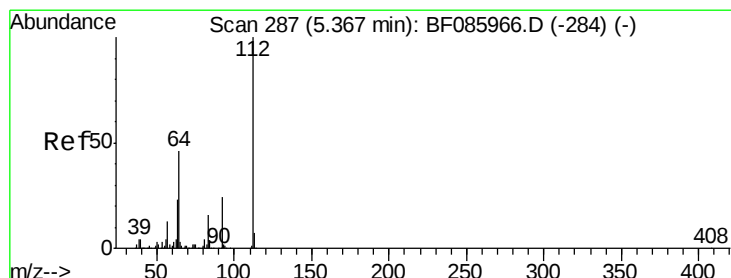
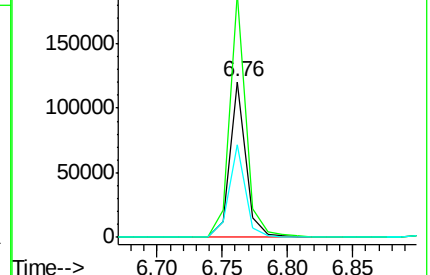
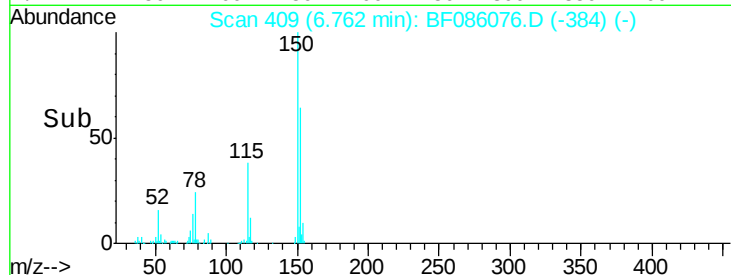
115 59.7 47.0 70.6



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: 54.76 ng

RT: 5.36 min Scan# 286

Delta R.T. -0.01 min

Lab File: BF086076.D

Acq: 5 Apr 2016 10:39

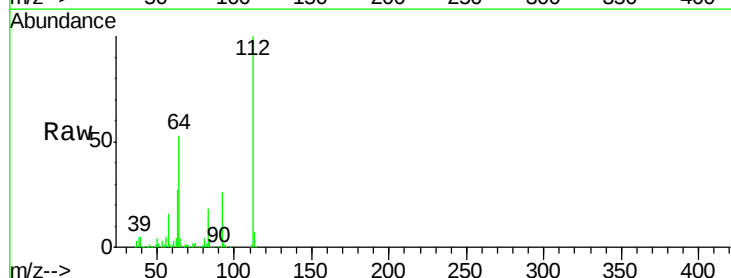
Tgt Ion:112 Resp: 334534

Ion Ratio Lower Upper

112 100

64 52.8 39.9 59.9

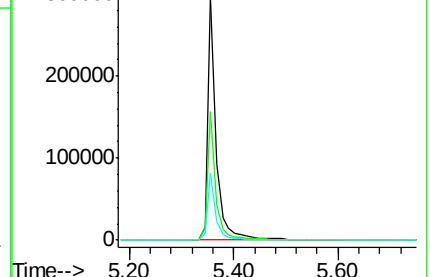
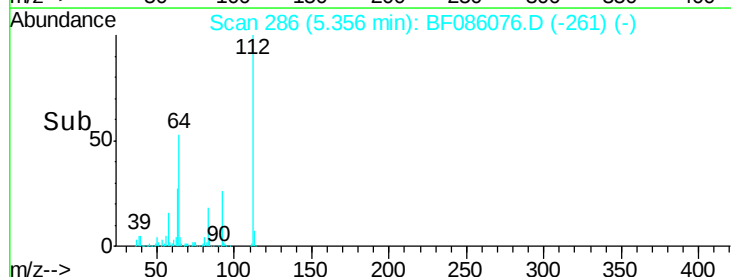
63 27.3 20.2 30.2

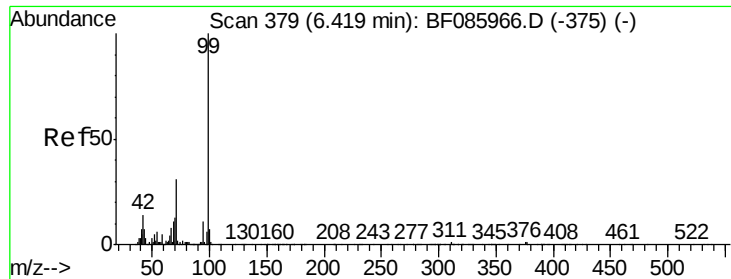


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 33.19 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF086076.D

Acq: 5 Apr 2016 10:39

Instrument :

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ClientSampleId :

225-4TH-AVE-DISCHARGE

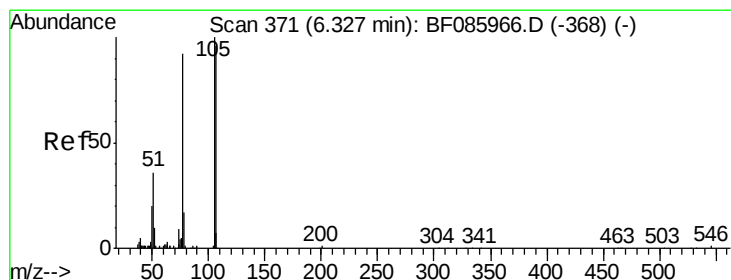
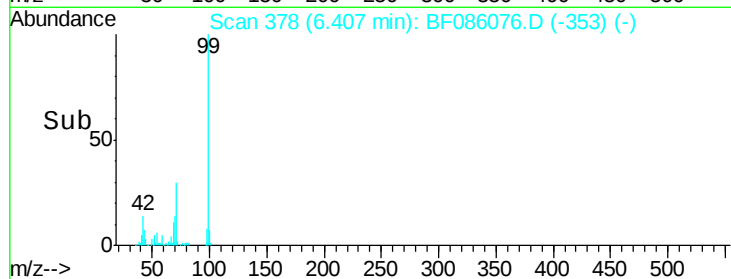
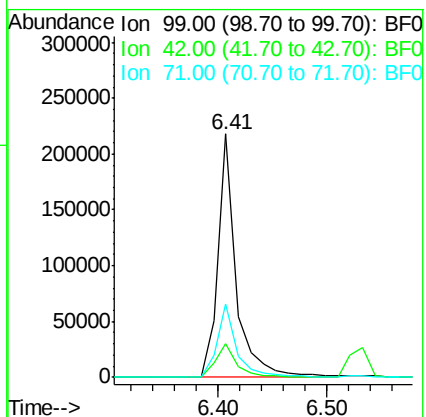
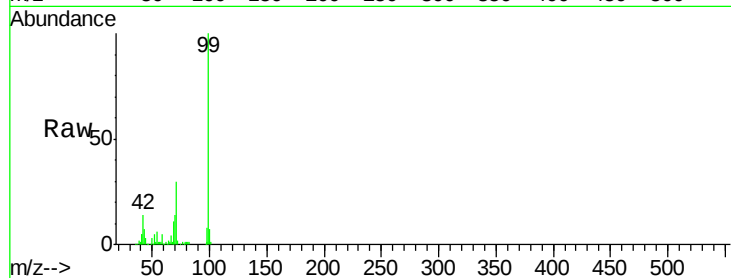
Tot Ion: 99 Resp: 257506

Ion Ratio Lower Upper

99 100

42 13.8 11.1 16.7

71 30.4 24.9 37.3



#9

Benzaldehyde

Concen: 3.36 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.21 min

Lab File: BF086076.D

Acq: 5 Apr 2016 10:39

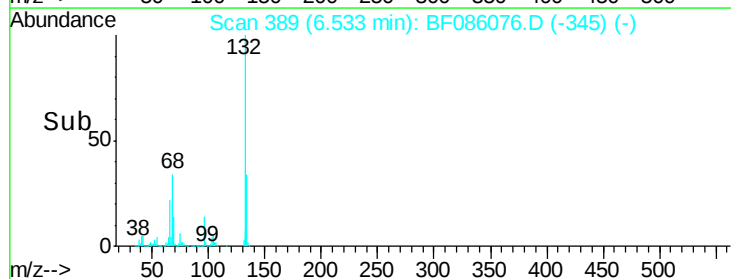
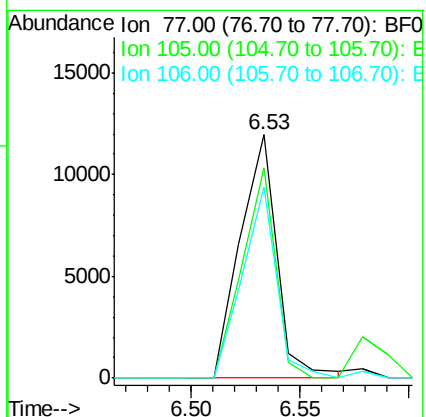
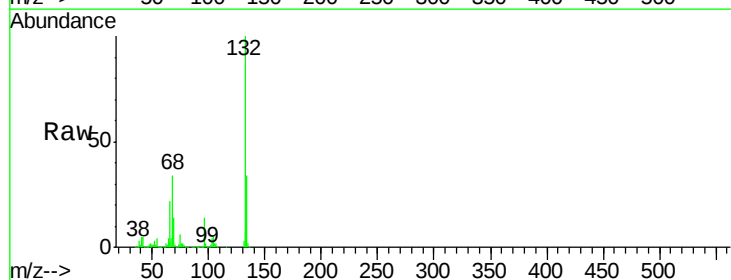
Tgt Ion: 77 Resp: 14023

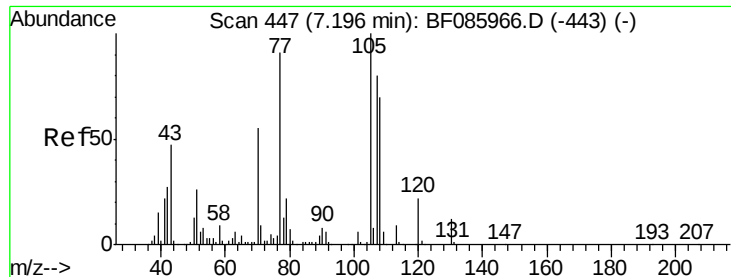
Ion Ratio Lower Upper

77 100

105 86.5 80.1 120.1

106 78.8 75.0 115.0

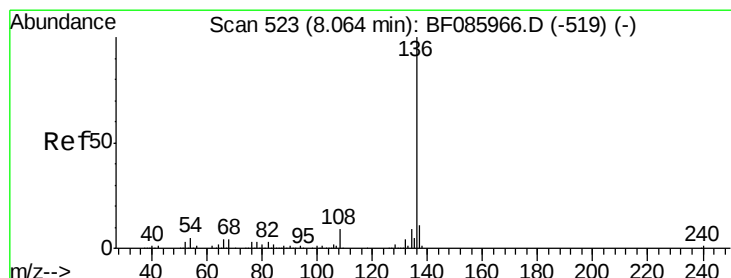
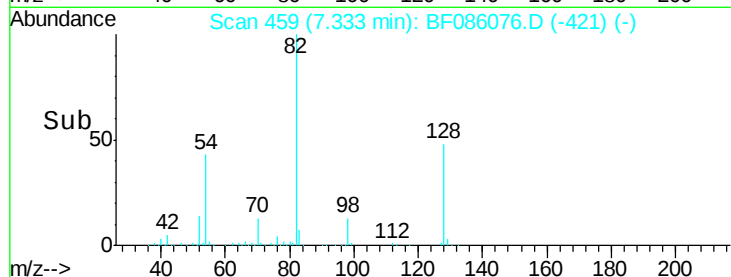
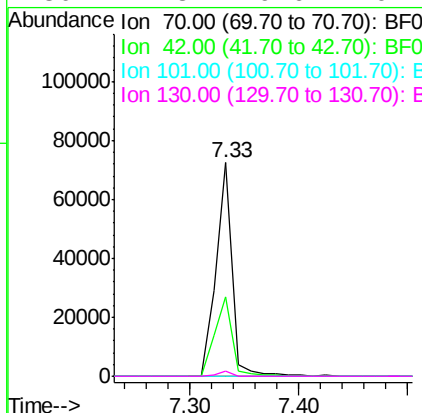
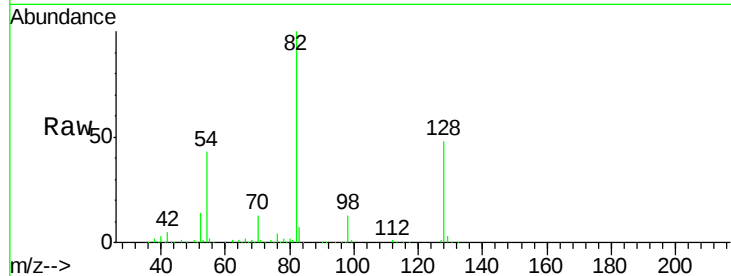




#19
n-Nitroso-di-n-propylamine
Concen: 15.68 ng
RT: 7.33 min Scan# 459
Delta R.T. 0.14 min
Lab File: BF086076.D
Acq: 5 Apr 2016 10:39

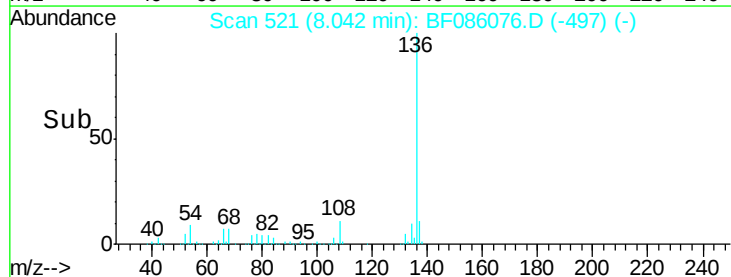
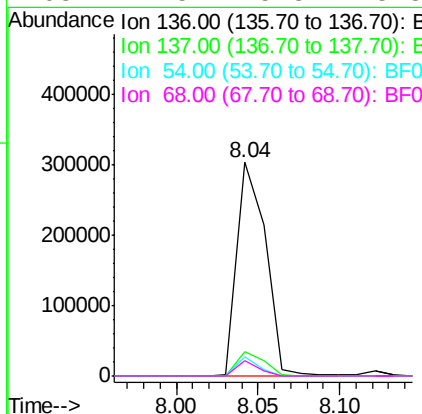
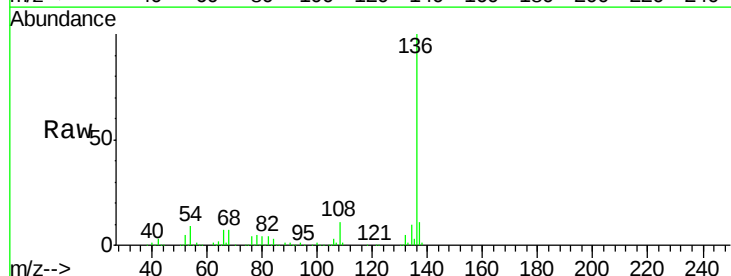
Instrument :
BNA_F
ClientSampleId :
225-4TH-AVE-DISCHARGE

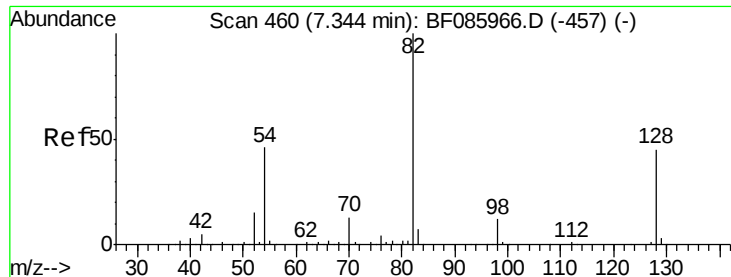
Tot Ion: 70 Resp: 75413
Ion Ratio Lower Upper
70 100
42 37.0 37.1 55.7#
101 0.0 8.6 12.8#
130 2.3 19.6 29.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.04 min Scan# 521
Delta R.T. -0.02 min
Lab File: BF086076.D
Acq: 5 Apr 2016 10:39

Tgt Ion: 136 Resp: 368118
Ion Ratio Lower Upper
136 100
137 11.4 9.1 13.7
54 9.2 7.4 11.0
68 7.5 5.8 8.8





#23

Nitrobenzene-d5

Concen: 92.32 ng

RT: 7.33 min Scan# 459

Delta R.T. -0.01 min

Lab File: BF086076.D

Acq: 5 Apr 2016 10:39

Instrument :

BNA_F

ClientSampleId :

225-4TH-AVE-DISCHARGE

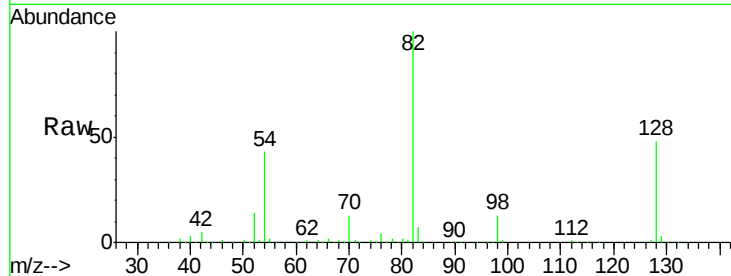
Tot Ion: 82 Resp: 576296

Ion Ratio Lower Upper

82 100

128 47.5 41.8 62.8

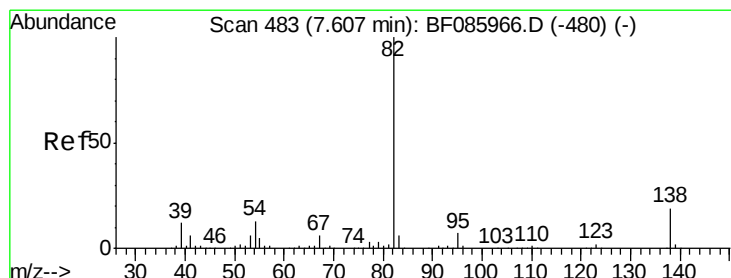
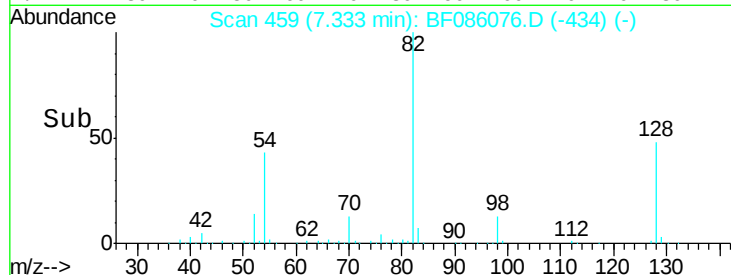
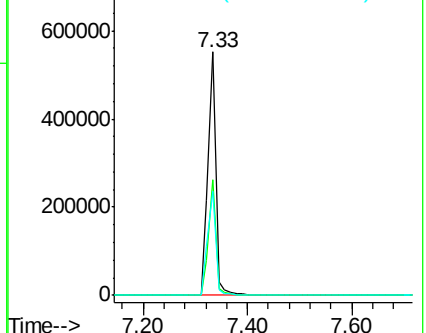
54 42.7 33.4 50.0



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 46.34 ng

RT: 7.33 min Scan# 459

Delta R.T. -0.27 min

Lab File: BF086076.D

Acq: 5 Apr 2016 10:39

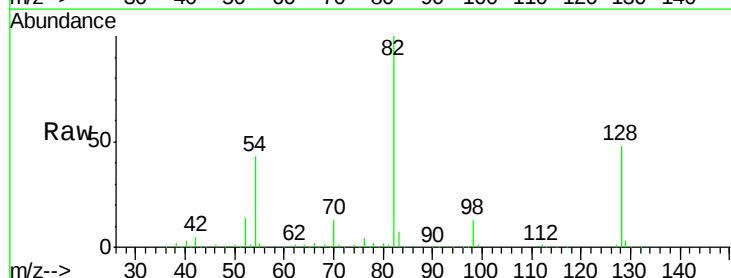
Tgt Ion: 82 Resp: 571057

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

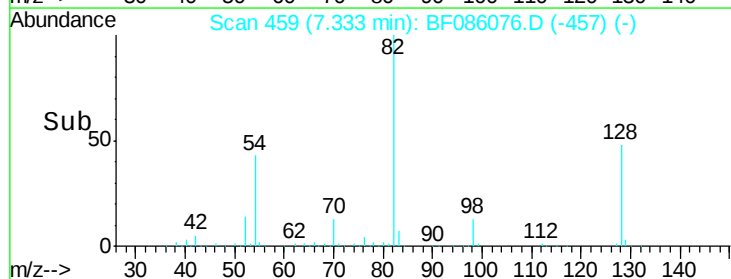
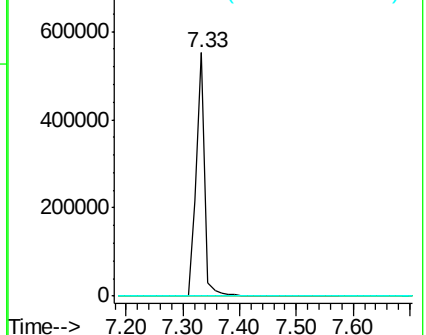
138 0.0 12.9 19.3#

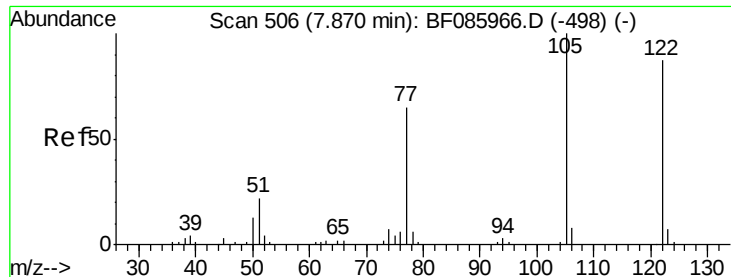


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

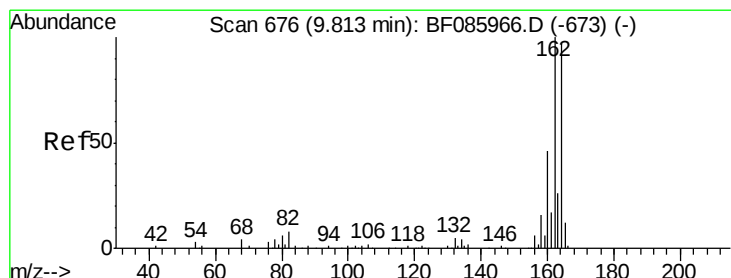
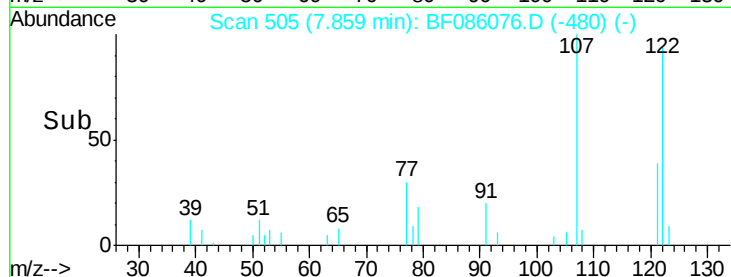
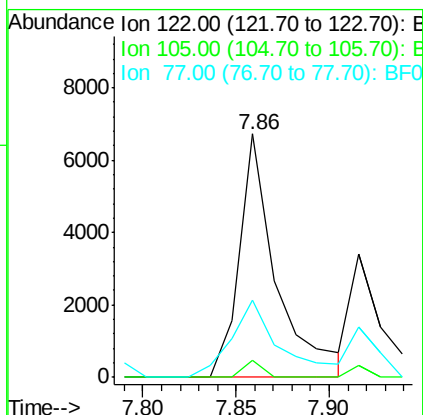
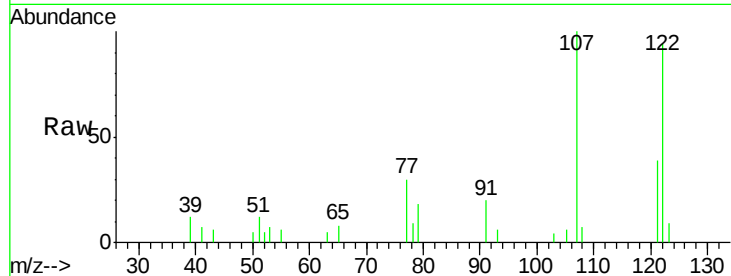




#32
Benzoic acid
Concen: 2.17 ng
RT: 7.86 min Scan# 505
Delta R.T. -0.01 min
Lab File: BF086076.D
Acq: 5 Apr 2016 10:39

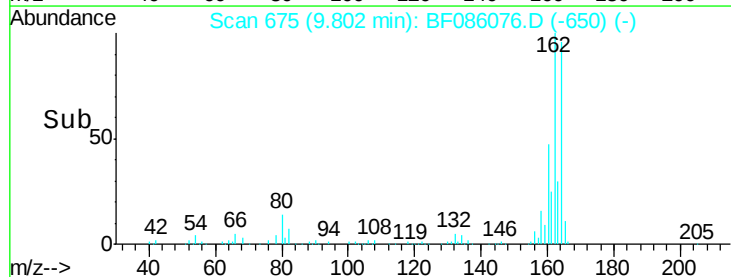
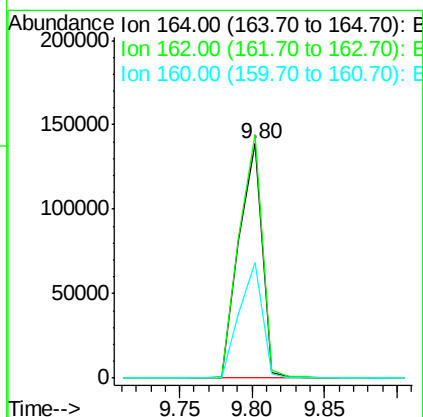
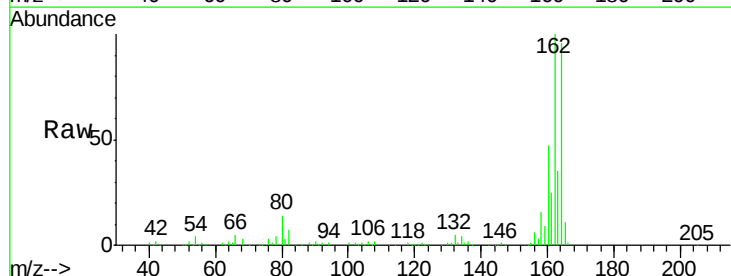
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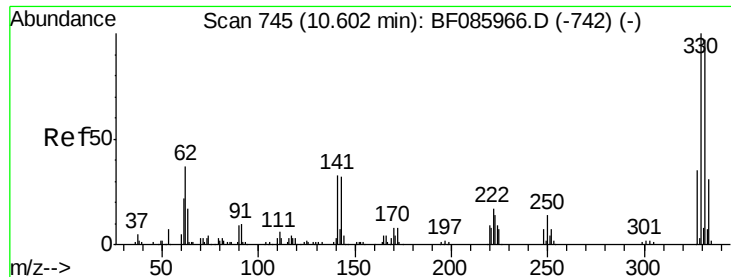
Tot Ion:122 Resp: 9328
Ion Ratio Lower Upper
122 100
105 6.8 102.9 142.9#
77 31.9 71.8 111.8#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.01 min
Lab File: BF086076.D
Acq: 5 Apr 2016 10:39

Tgt Ion:164 Resp: 154404
Ion Ratio Lower Upper
164 100
162 103.9 82.1 123.1
160 49.2 37.4 56.2

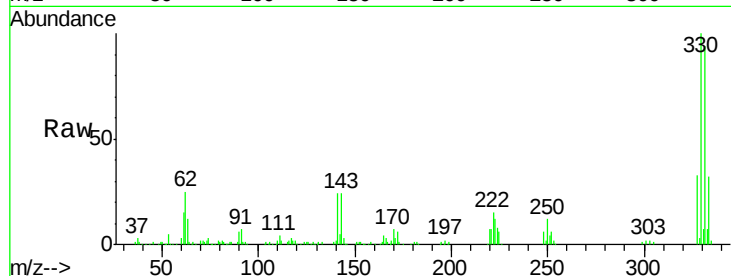




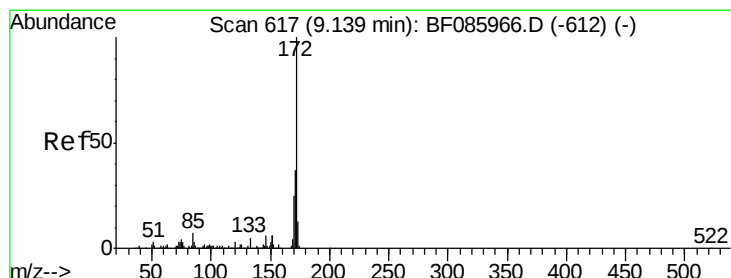
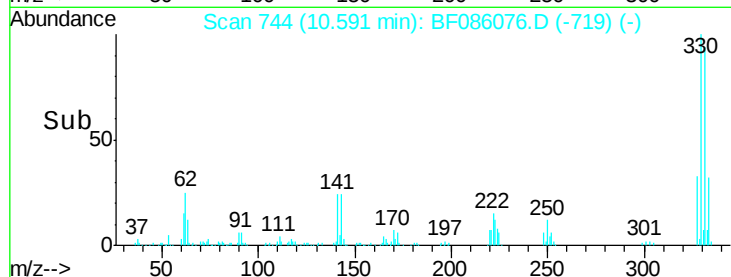
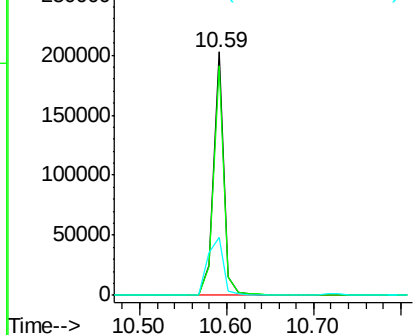
#41
 2,4,6-Tribromophenol
 Concen: 118.20 ng
 RT: 10.59 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: BF086076.D
 Acq: 5 Apr 2016 10:39

Instrument :
 BNA_F
 ClientSampleId :
 225-4TH-AVE-DISCHARGE

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	78.2	117.2
141	36.4	31.5	47.3

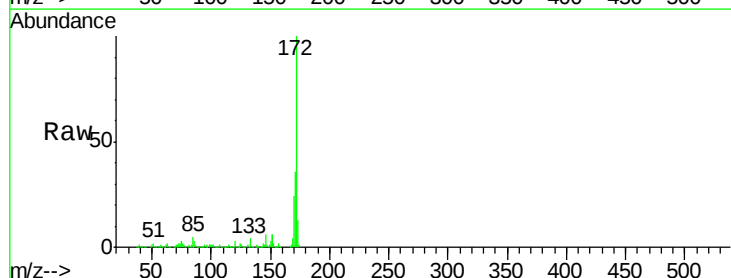


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

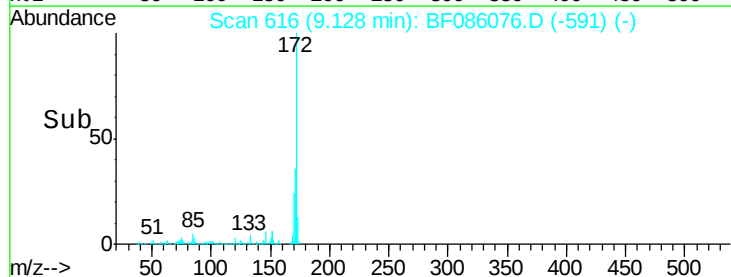
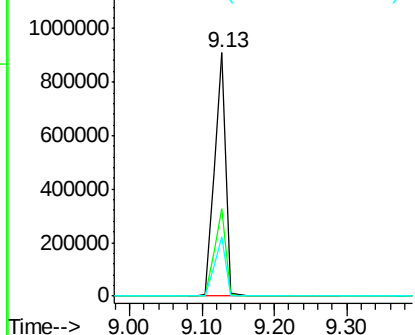


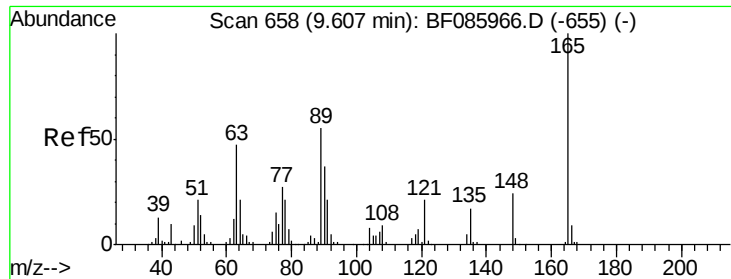
#44
 2-Fluorobiphenyl
 Concen: 103.52 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: BF086076.D
 Acq: 5 Apr 2016 10:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.4	44.2
170	24.3	19.8	29.6



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

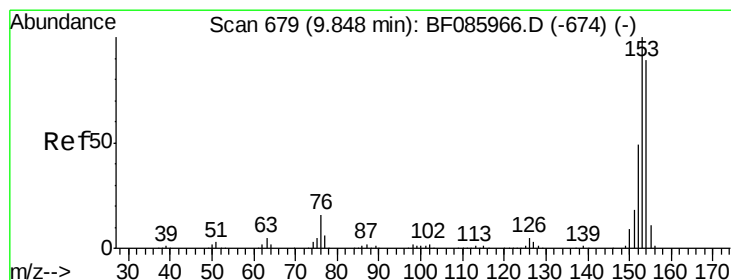
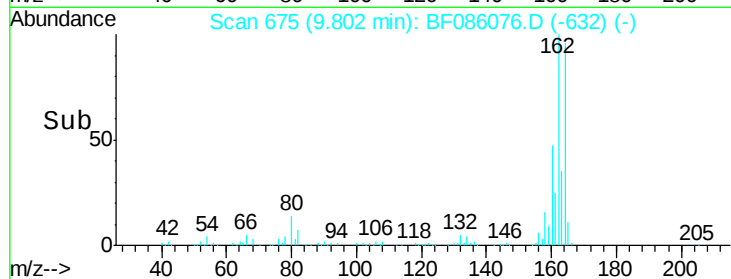
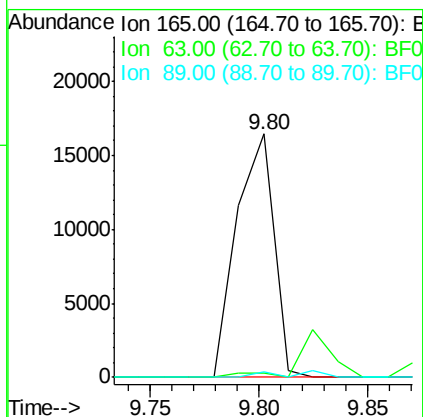
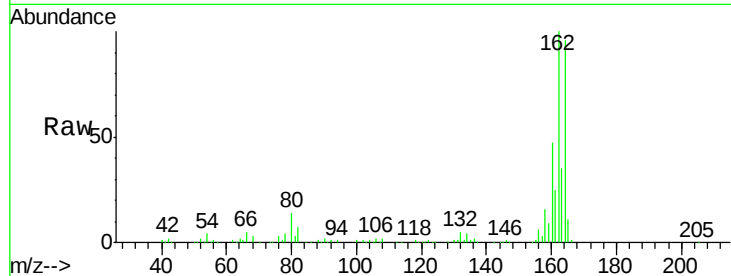




#50
 2,6-Dinitrotoluene
 Concen: 8.07 ng
 RT: 9.80 min Scan# 675
 Delta R.T. 0.19 min
 Lab File: BF086076.D
 Acq: 5 Apr 2016 10:39

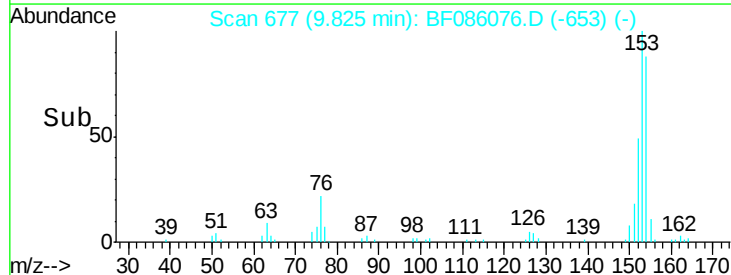
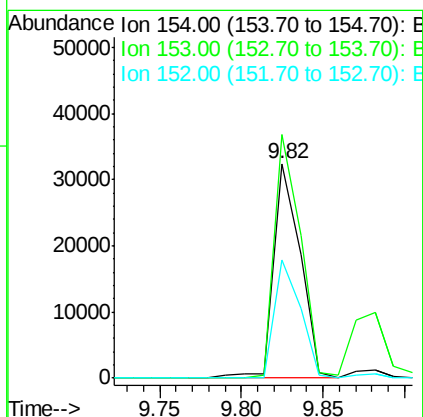
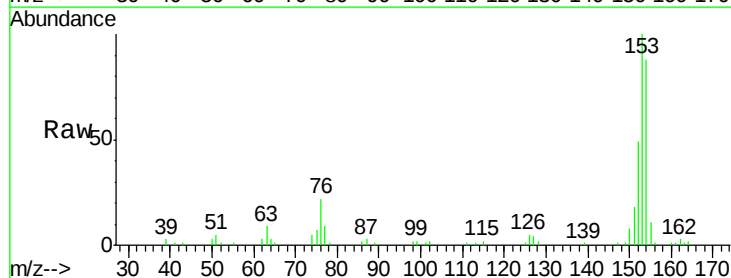
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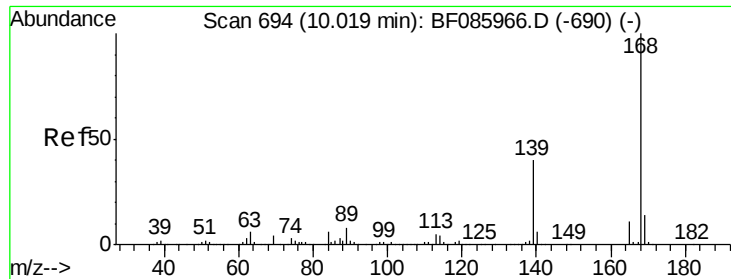
Tot Ion:165 Resp: 19541
 Ion Ratio Lower Upper
 165 100
 63 1.9 51.8 77.8#
 89 2.3 53.7 80.5#



#51
 Acenaphthene
 Concen: 3.98 ng
 RT: 9.82 min Scan# 677
 Delta R.T. -0.02 min
 Lab File: BF086076.D
 Acq: 5 Apr 2016 10:39

Tgt Ion:154 Resp: 36572
 Ion Ratio Lower Upper
 154 100
 153 113.6 90.1 135.1
 152 55.3 44.2 66.2





#54

Dibenzofuran

Concen: 2.31 ng

RT: 10.01 min Scan# 693

Delta R.T. -0.01 min

Lab File: BF086076.D

Acq: 5 Apr 2016 10:39

Instrument :

BNA_F

ClientSampleId :

225-4TH-AVE-DISCHARGE

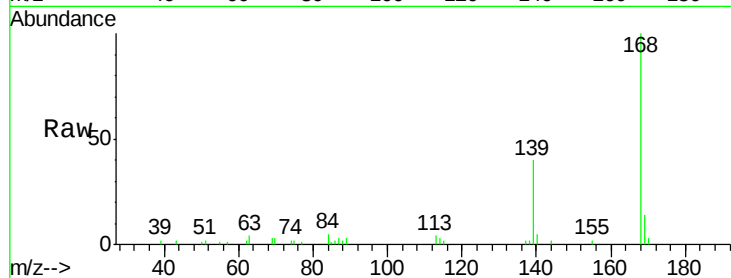
Tot Ion:168 Resp: 28105

Ion Ratio Lower Upper

168 100

139 39.5 31.9 47.9

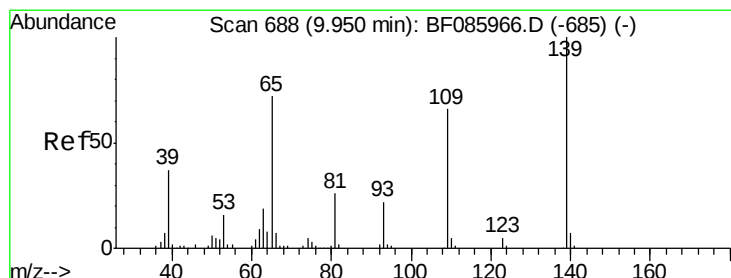
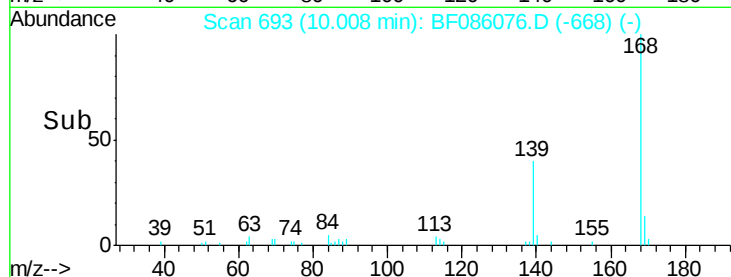
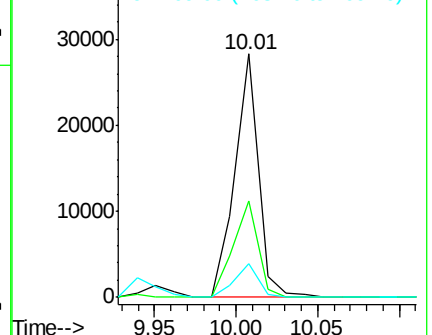
169 13.6 11.0 16.6



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 6.72 ng

RT: 10.01 min Scan# 693

Delta R.T. 0.06 min

Lab File: BF086076.D

Acq: 5 Apr 2016 10:39

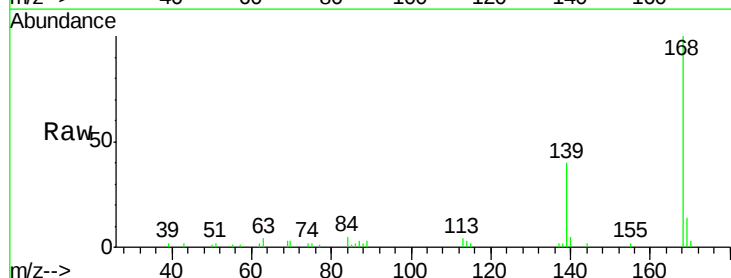
Tgt Ion:139 Resp: 11558

Ion Ratio Lower Upper

139 100

109 0.0 49.2 89.2#

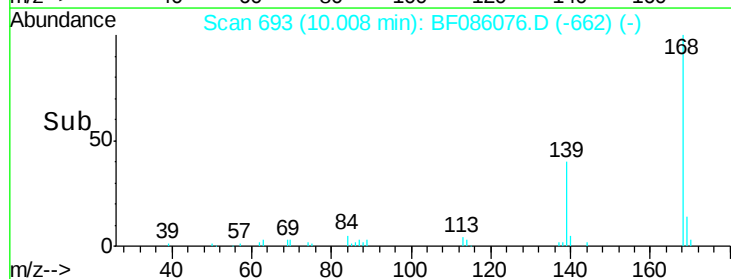
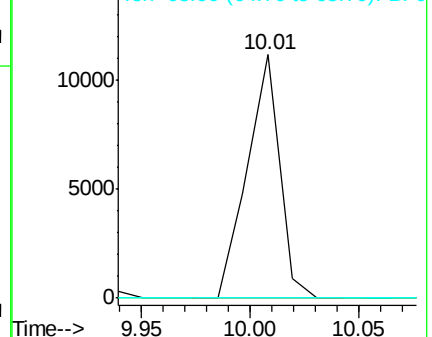
65 0.0 66.9 106.9#

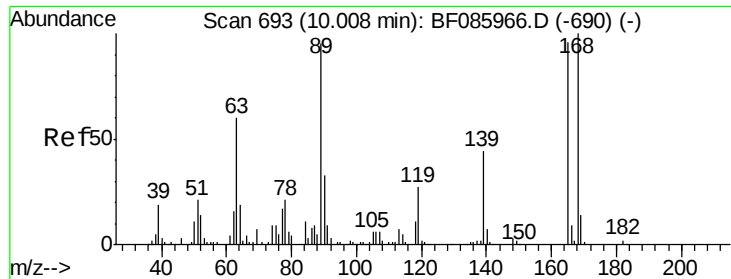


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

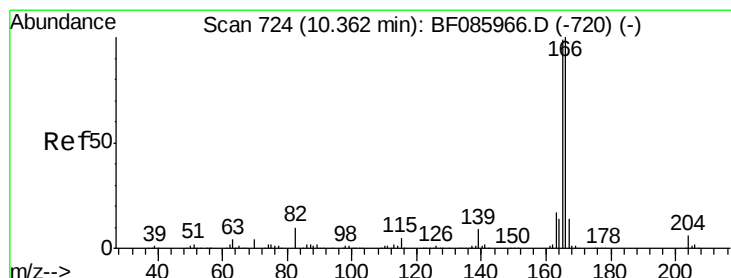
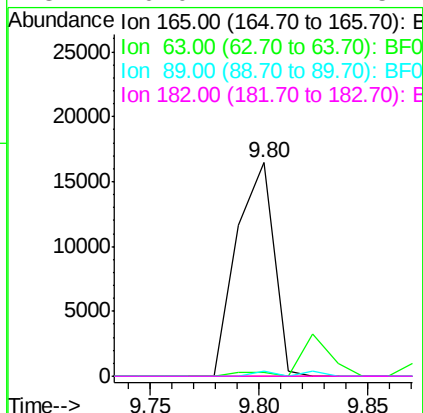
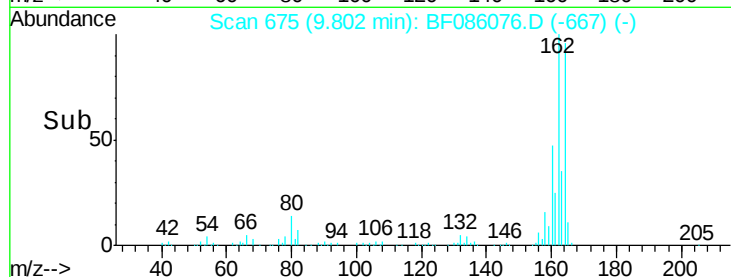
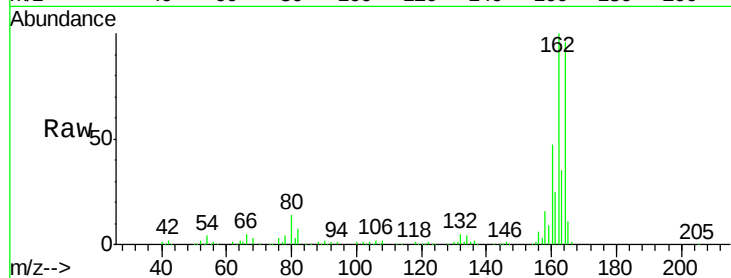




#56
2,4-Dinitrotoluene
Concen: 6.39 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.21 min
Lab File: BF086076.D
Acq: 5 Apr 2016 10:39

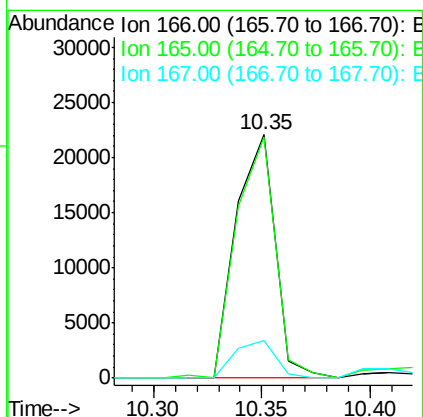
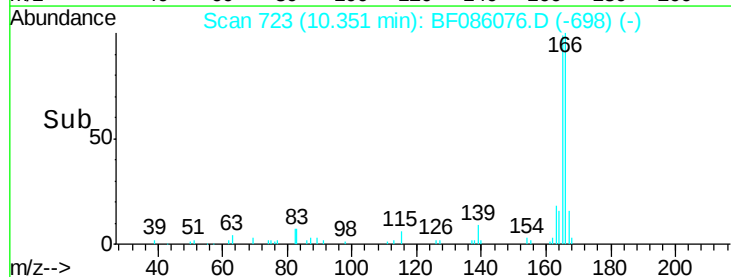
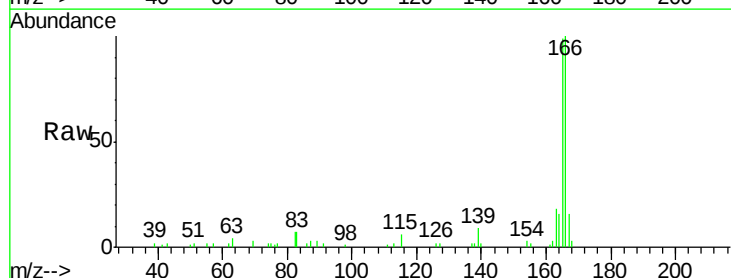
Instrument :
BNA_F
ClientSampleId :
225-4TH-AVE-DISCHARGE

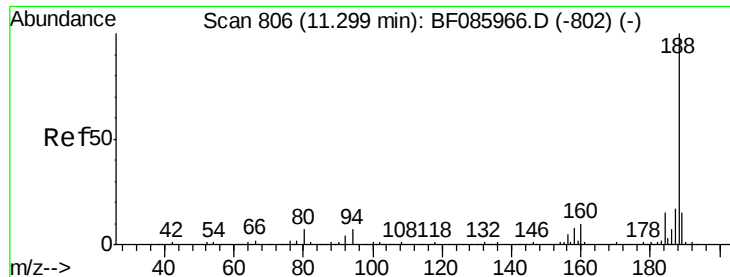
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	24.9	37.3#
89	2.3	41.0	61.6#
182	0.0	2.1	3.1#



#57
Fluorene
Concen: 2.65 ng
RT: 10.35 min Scan# 723
Delta R.T. -0.01 min
Lab File: BF086076.D
Acq: 5 Apr 2016 10:39

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.9	79.4	119.0
167	15.6	11.0	16.4

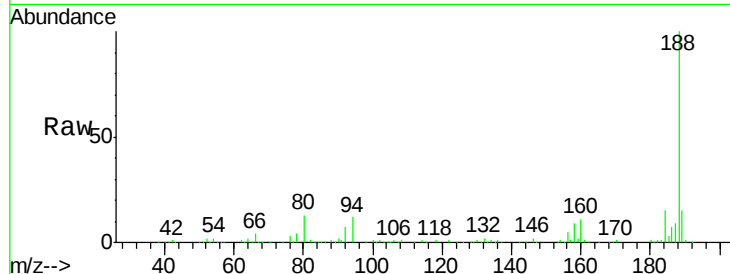




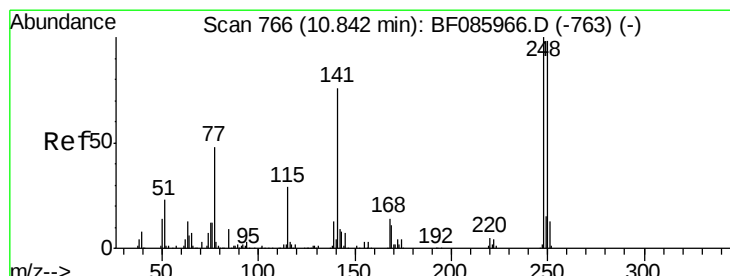
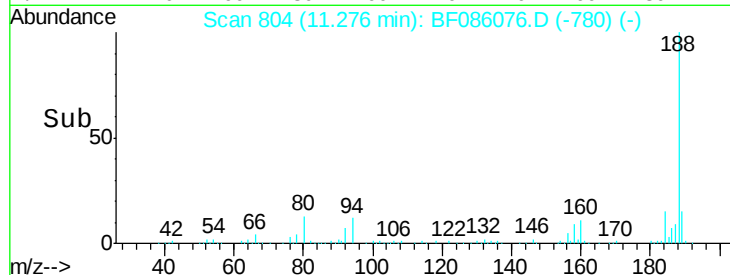
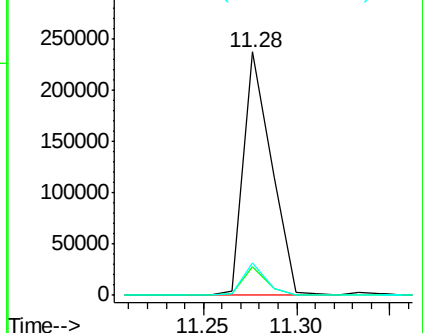
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 804
Delta R.T. -0.02 min
Lab File: BF086076.D
Acq: 5 Apr 2016 10:39

Instrument :
BNA_F
ClientSampleId :
225-4TH-AVE-DISCHARGE

Tot Ion:188 Resp: 247520
Ion Ratio Lower Upper
188 100
94 12.0 5.4 8.0#
80 13.4 5.5 8.3#

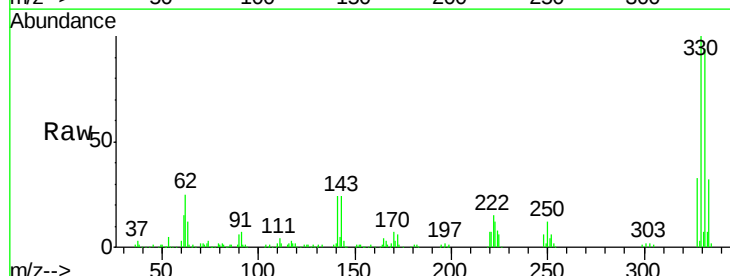


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

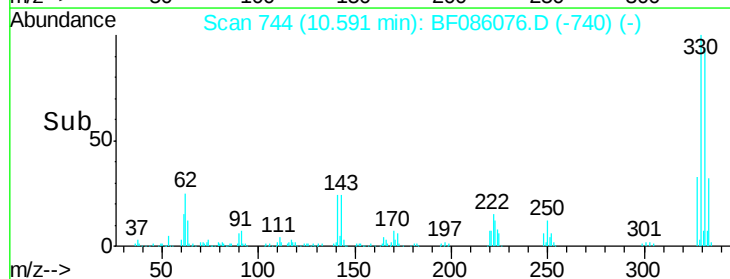
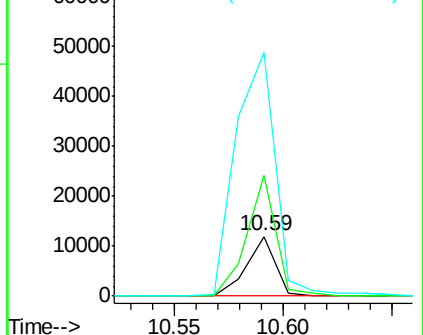


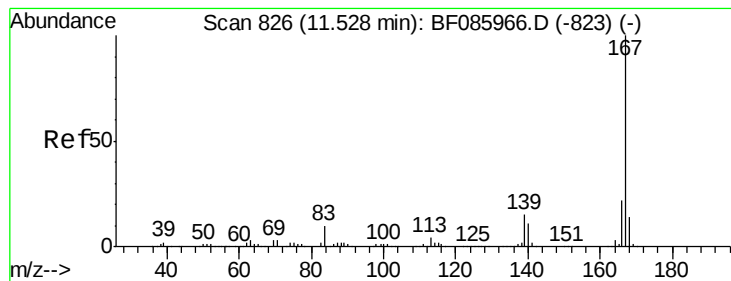
#66
4-Bromophenyl-phenylether
Concen: 4.33 ng
RT: 10.59 min Scan# 744
Delta R.T. -0.25 min
Lab File: BF086076.D
Acq: 5 Apr 2016 10:39

Tgt Ion:248 Resp: 10930
Ion Ratio Lower Upper
248 100
250 202.0 77.4 116.0#
141 407.7 63.6 95.4#



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

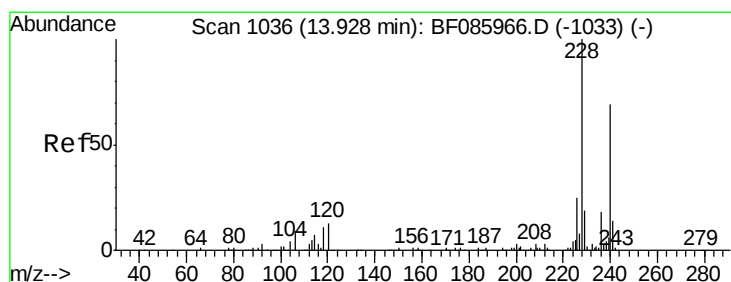
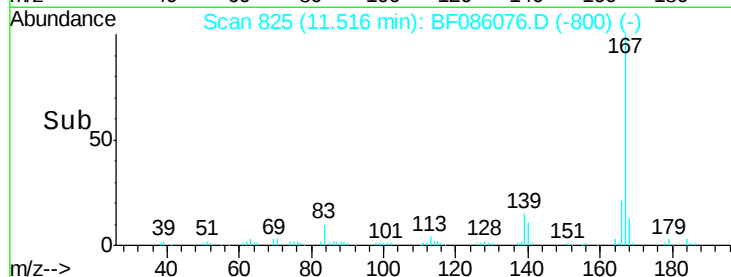
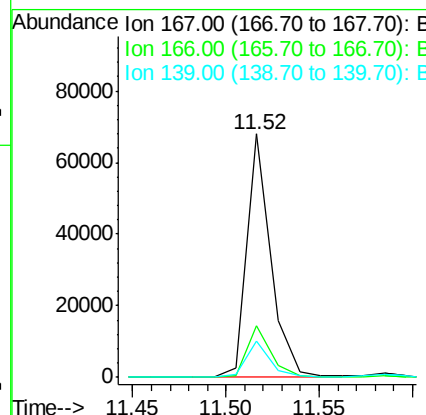
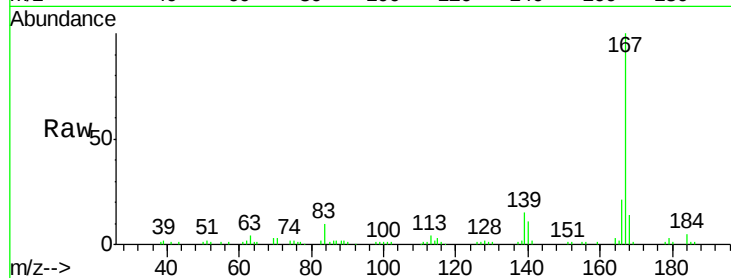




#72
 Carbazole
 Concen: 5.03 ng
 RT: 11.52 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BF086076.D
 Acq: 5 Apr 2016 10:39

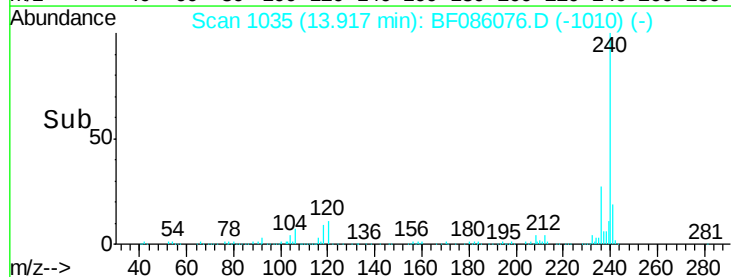
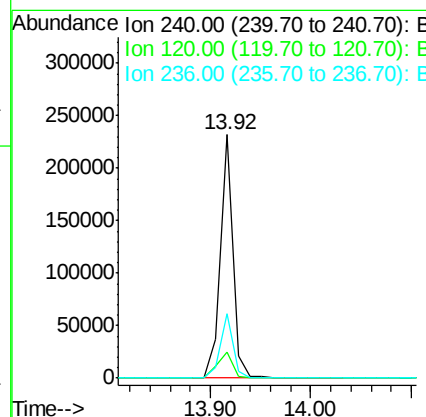
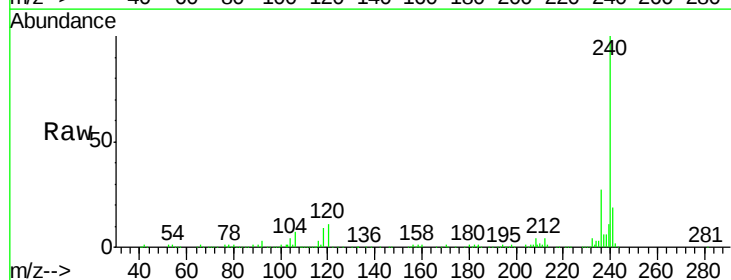
Instrument :
 BNA_F
 ClientSampleId :
 225-4TH-AVE-DISCHARGE

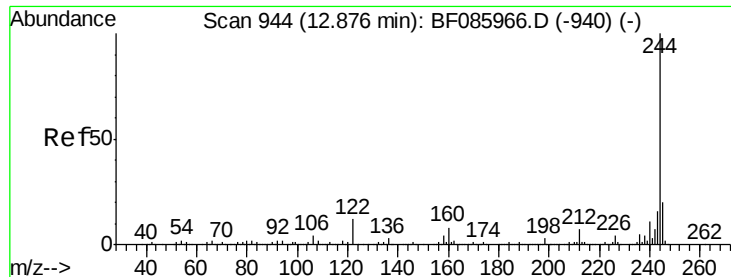
Tot Ion:167 Resp: 61148
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.8 26.8
 139 14.8 11.6 17.4



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.92 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: BF086076.D
 Acq: 5 Apr 2016 10:39

Tgt Ion:240 Resp: 202697
 Ion Ratio Lower Upper
 240 100
 120 10.7 13.8 20.8#
 236 26.6 20.6 30.8

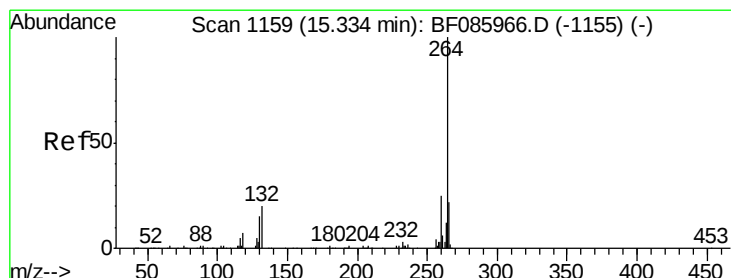
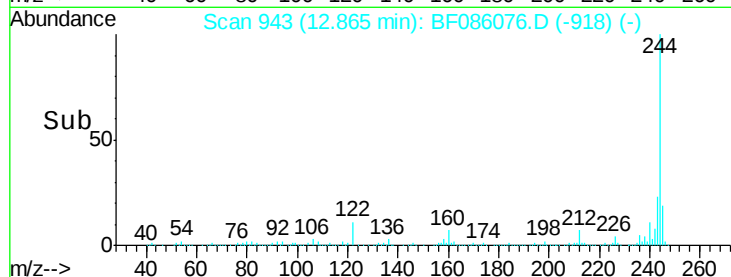
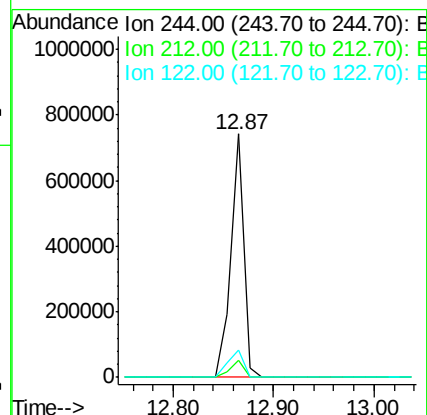
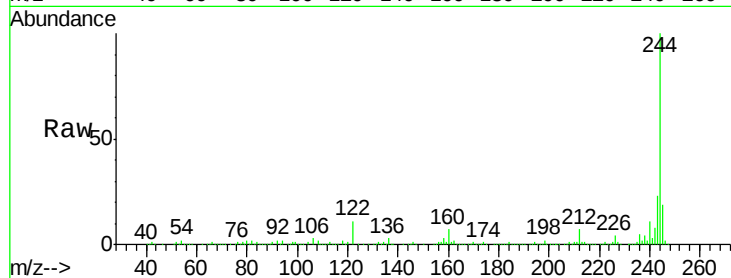




#78
 Terphenyl-d14
 Concen: 77.24 ng
 RT: 12.87 min Scan# 943
 Delta R.T. -0.01 min
 Lab File: BF086076.D
 Acq: 5 Apr 2016 10:39

Instrument :
 BNA_F
 ClientSampleId :
 225-4TH-AVE-DISCHARGE

Tot Ion:244 Resp: 666066
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.1 9.1
 122 11.2 10.2 15.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.32 min Scan# 1158
 Delta R.T. -0.01 min
 Lab File: BF086076.D
 Acq: 5 Apr 2016 10:39

Tgt Ion:264 Resp: 151936
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.4 29.2
 265 21.5 17.2 25.8

