

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042716\
 Data File : BF086431.D
 Acq On : 27 Apr 2016 18:37
 Operator : UM/SJ
 Sample : H2660-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB2-PRE-B10

Quant Time: Apr 28 00:55:03 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	113378	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	464906	20.00	ng	0.02
38) Acenaphthene-d10	9.85	164	204521	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	333415	20.00	ng	0.00
75) Chrysene-d12	13.95	240	246738	20.00	ng	-0.01
86) Perylene-d12	15.36	264	257906	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	818469	124.52	ng	0.01
7) Phenol-d6	6.46	99	982675	107.12	ng	0.02
23) Nitrobenzene-d5	7.44	82	97172	11.27	ng	0.06
41) 2,4,6-Tribromophenol	10.64	330	218188	101.16	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	848280	69.62	ng	0.00
78) Terphenyl-d14	12.91	244	490441	43.79	ng	0.00

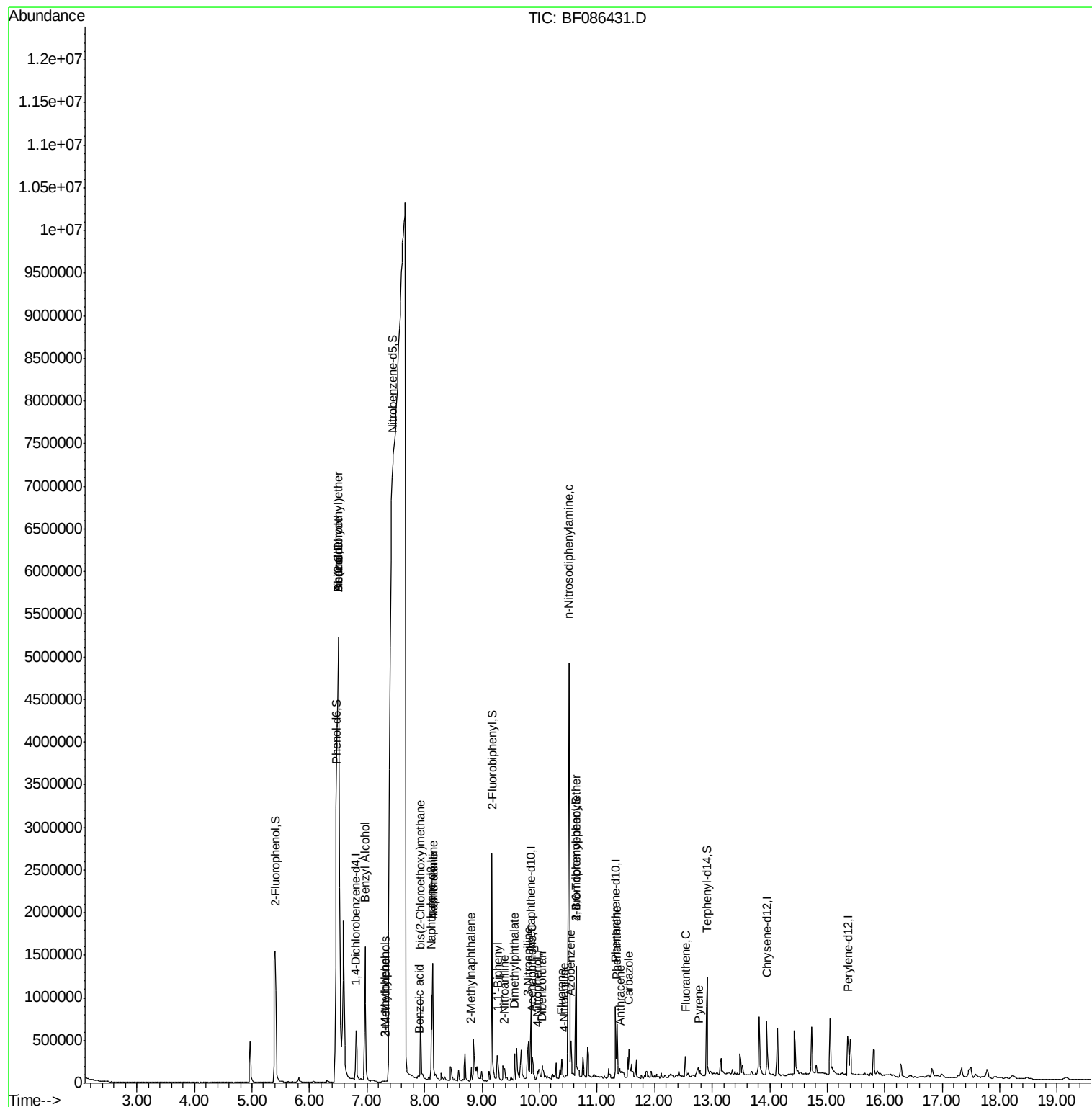
Target Compounds						Qvalue
6) Aniline	6.50	93	5772282	519.96	ng	95
9) Benzaldehyde	6.50	77	75512	14.15	ng	# 5
10) Phenol	6.50	94	484906	47.38	ng	# 1
11) bis(2-Chloroethyl)ether	6.50	93	5805925	656.16	ng	# 25
15) Benzyl Alcohol	6.97	79	11688	2.01	ng	# 36
17) 2-Methylphenol	7.31	107	17719	2.68	ng	# 36
20) 3+4-Methylphenols	7.31	107	22414	2.97	ng	# 29
28) bis(2-Chloroethoxy)methane	7.93	93	18482	2.04	ng	# 45
31) Naphthalene	8.14	128	633268	26.77	ng	100
32) Benzoic acid	7.90	122	7055	10.11	ng	# 1
33) 4-Chloroaniline	8.14	127	84626	9.55	ng	# 39
37) 2-Methylnaphthalene	8.81	142	56877	4.07	ng	96
45) 1,1'-Biphenyl	9.26	154	119479	6.99	ng	95
47) 2-Nitroaniline	9.39	65	41682	10.00	ng	91
49) Dimethylphthalate	9.56	163	142783	9.27	ng	99
51) Acenaphthene	9.87	154	70699	5.42	ng	97
52) 3-Nitroaniline	9.80	138	115640	31.97	ng	97
54) Dibenzofuran	10.04	168	74868	4.59	ng	90
55) 4-Nitrophenol	9.96	139	31418	13.26	ng	# 72
57) Fluorene	10.38	166	73042	5.16	ng	98
61) 4-Nitroaniline	10.43	138	8096	2.29	ng	# 69
62) Azobenzene	10.54	77	67910	4.25	ng	83
65) n-Nitrosodiphenylamine	10.51	169	1606848	154.20	ng	99
66) 4-Bromophenyl-phenylether	10.64	248	12550	3.65	ng	# 1
70) Phenanthrene	11.34	178	230299	13.16	ng	99
71) Anthracene	11.40	178	62610	3.35	ng	99
72) Carbazole	11.55	167	189866	11.47	ng	98
74) Fluoranthene	12.53	202	96142	5.44	ng	94
77) Pyrene	12.76	202	57160	3.21	ng	98

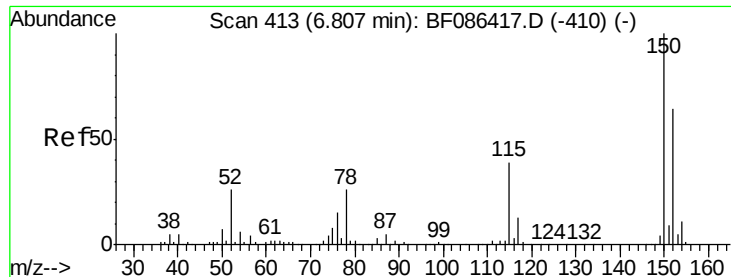
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 413

Delta R.T. 0.00 min

Lab File: BF086431.D

Acq: 27 Apr 2016 18:37

Instrument :

BNA_F

ClientSampleId :

NB2-PRE-B10

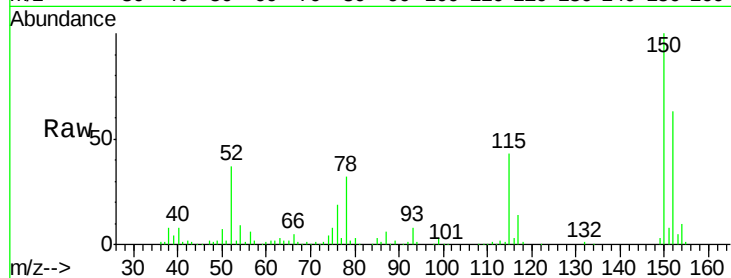
Tgt Ion:152 Resp: 113378

Ion Ratio Lower Upper

152 100

150 159.7 125.8 188.6

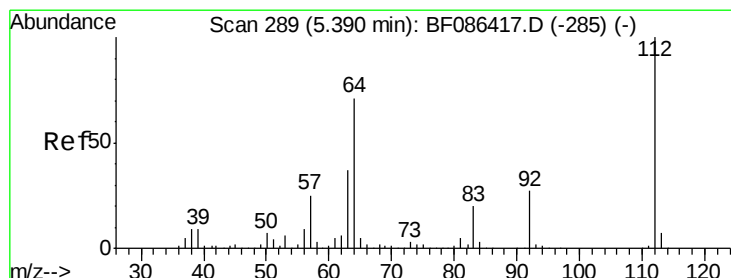
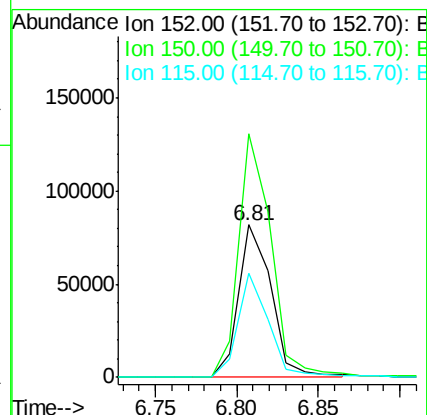
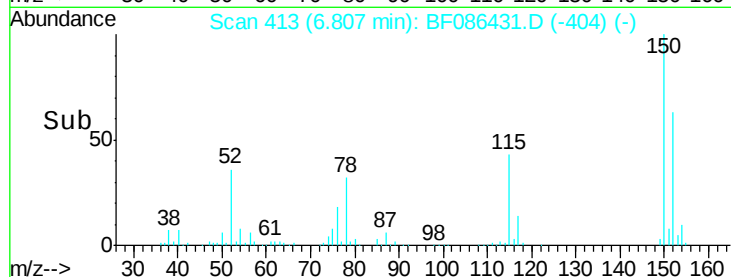
115 68.6 51.5 77.3



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: 124.52 ng

RT: 5.40 min Scan# 290

Delta R.T. 0.01 min

Lab File: BF086431.D

Acq: 27 Apr 2016 18:37

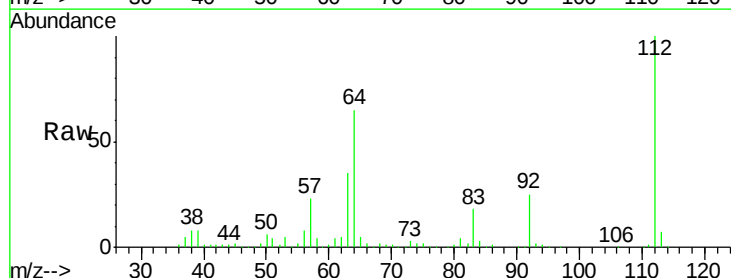
Tgt Ion:112 Resp: 818469

Ion Ratio Lower Upper

112 100

64 65.0 52.1 78.1

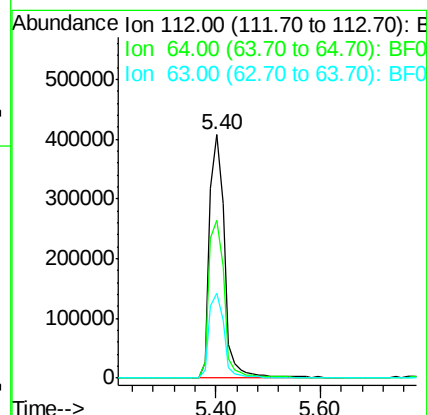
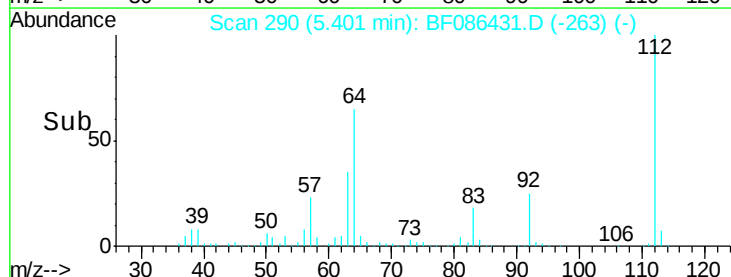
63 34.6 25.7 38.5

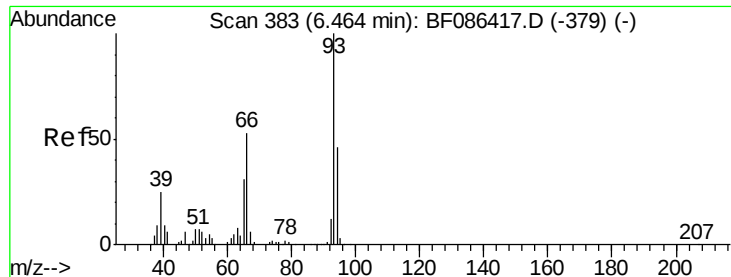


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 519.96 ng

RT: 6.50 min Scan# 386

Delta R.T. 0.03 min

Lab File: BF086431.D

Acq: 27 Apr 2016 18:37

Instrument :

BNA_F

ClientSampleId :

NB2-PRE-B10

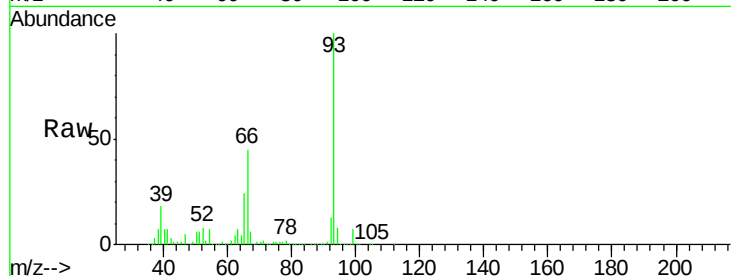
Tgt Ion: 93 Resp: 5772282

Ion Ratio Lower Upper

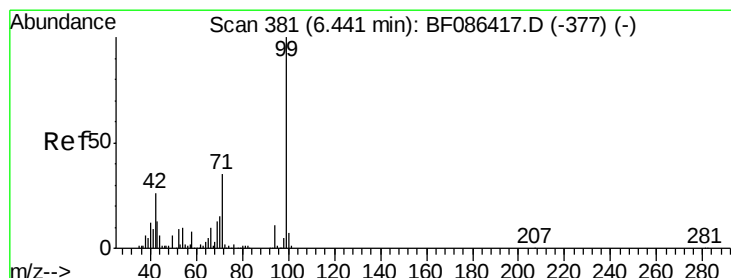
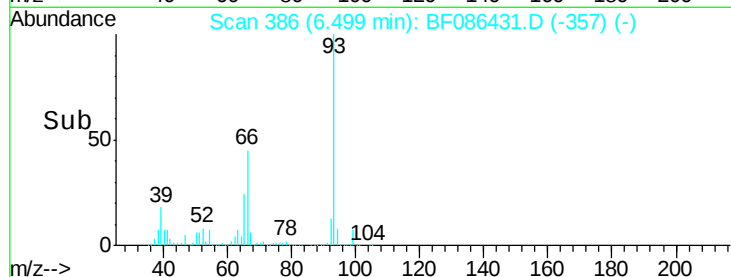
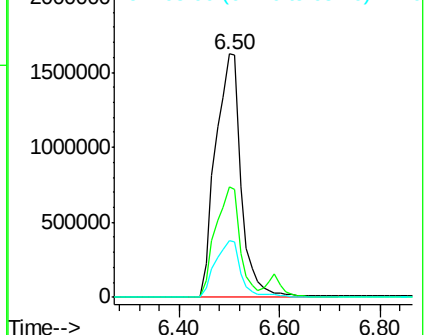
93 100

66 45.5 39.0 58.6

65 23.5 20.6 31.0



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: 107.12 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.02 min

Lab File: BF086431.D

Acq: 27 Apr 2016 18:37

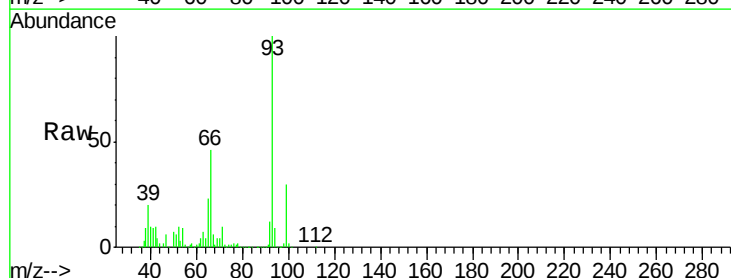
Tgt Ion: 99 Resp: 982675

Ion Ratio Lower Upper

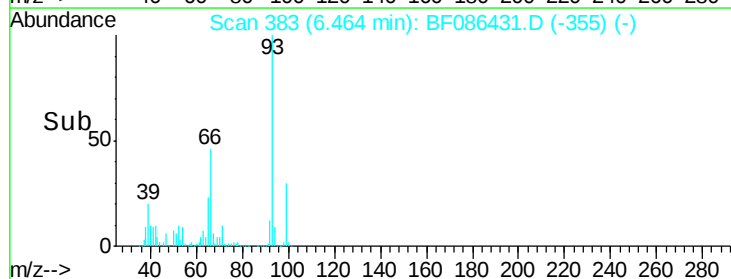
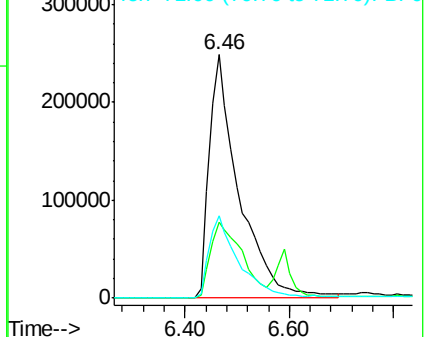
99 100

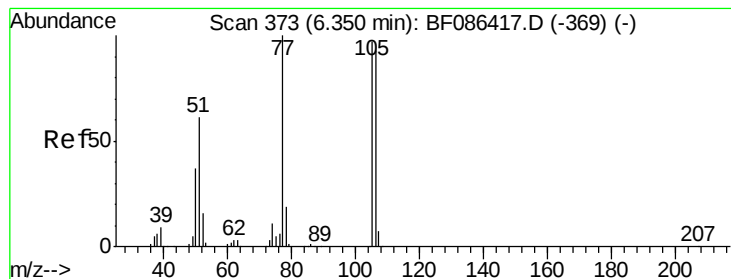
42 31.3 13.6 20.4#

71 33.9 24.6 36.8



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





#9

Benzaldehyde

Concen: 14.15 ng

RT: 6.50 min Scan# 386

Delta R.T. 0.15 min

Lab File: BF086431.D

Acq: 27 Apr 2016 18:37

Instrument :

BNA_F

ClientSampleId :

NB2-PRE-B10

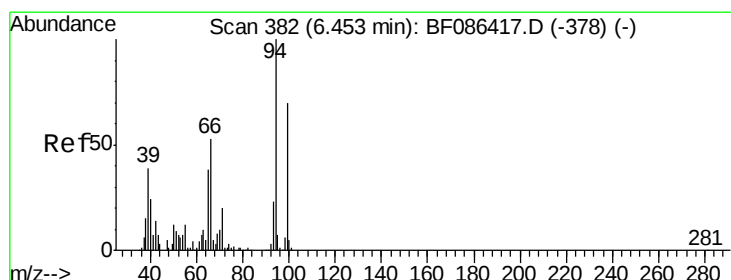
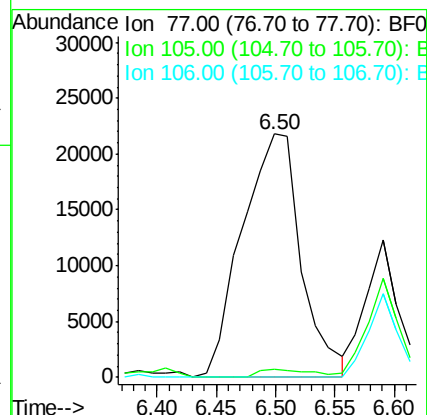
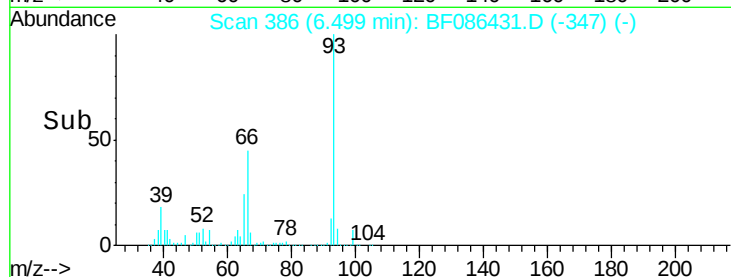
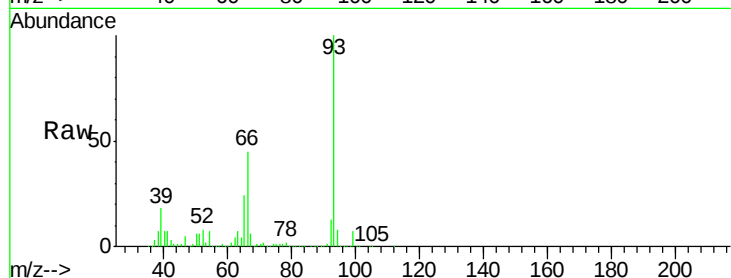
Tgt Ion: 77 Resp: 75512

Ion Ratio Lower Upper

77 100

105 3.3 72.7 112.7#

106 0.0 70.8 110.8#



#10

Phenol

Concen: 47.38 ng

RT: 6.50 min Scan# 386

Delta R.T. 0.05 min

Lab File: BF086431.D

Acq: 27 Apr 2016 18:37

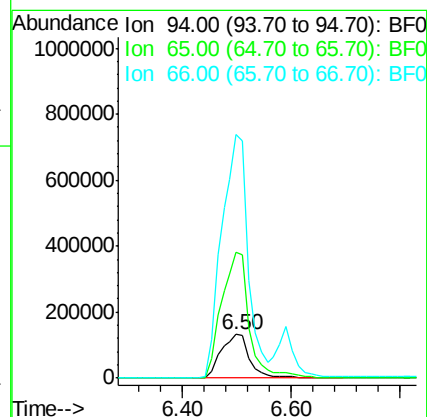
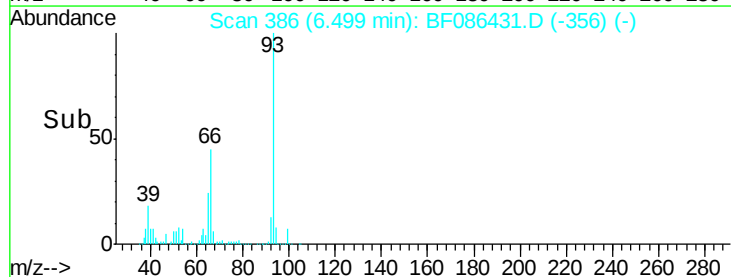
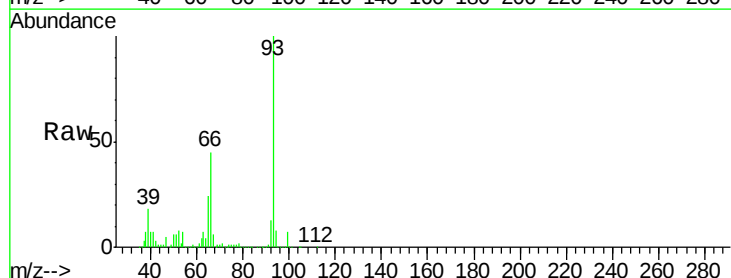
Tgt Ion: 94 Resp: 484906

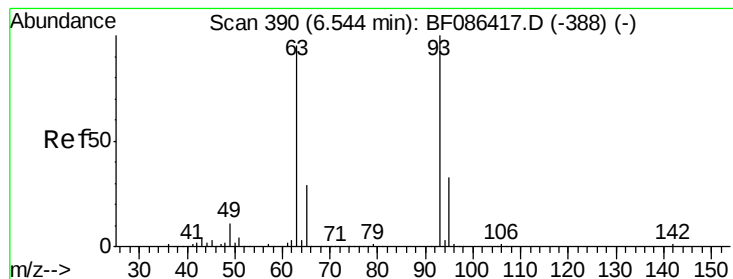
Ion Ratio Lower Upper

94 100

65 288.7 7.2 47.2#

66 558.5 14.9 54.9#

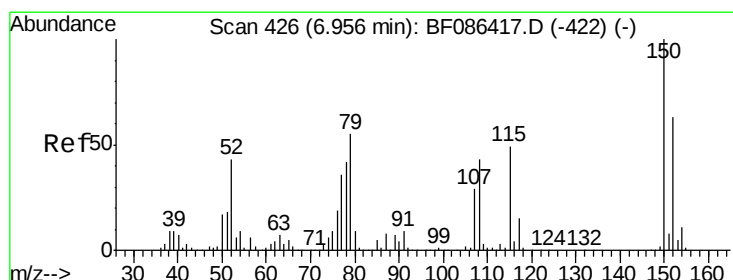
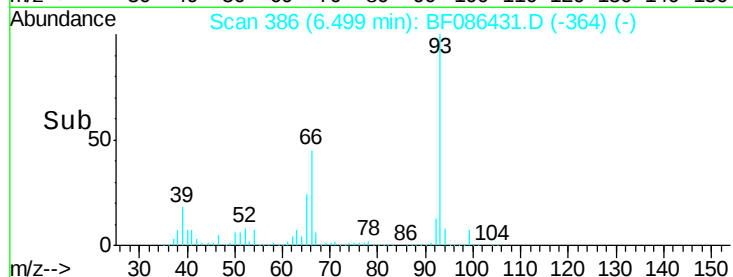
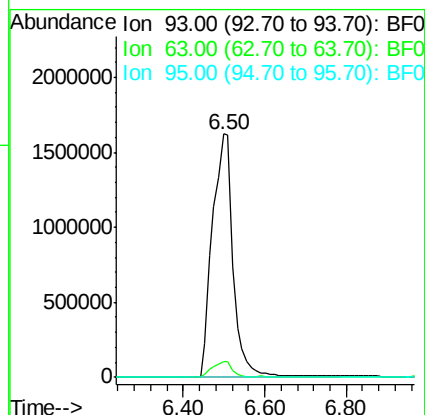
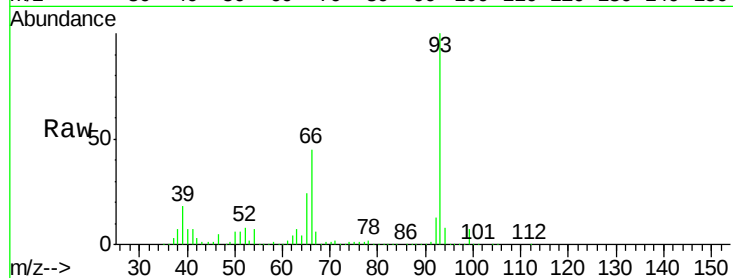




#11
bis(2-Chloroethyl)ether
Concen: 656.16 ng
RT: 6.50 min Scan# 386
Delta R.T. -0.05 min
Lab File: BF086431.D
Acq: 27 Apr 2016 18:37

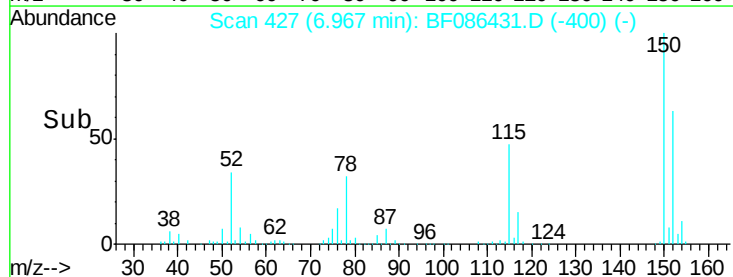
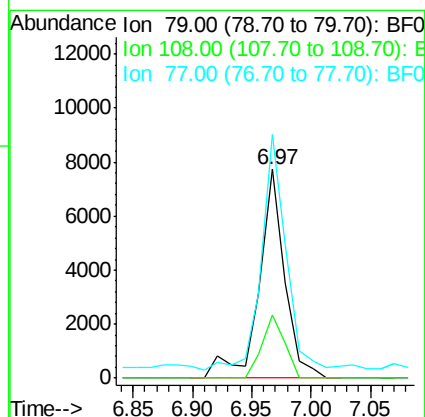
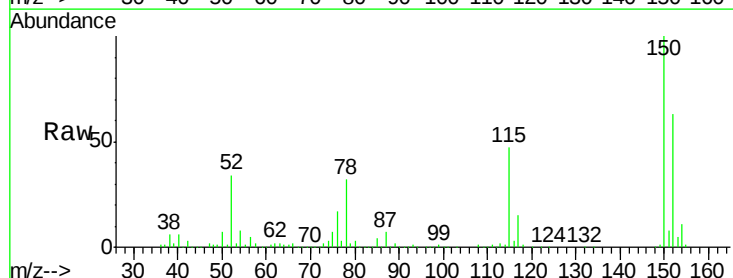
Instrument :
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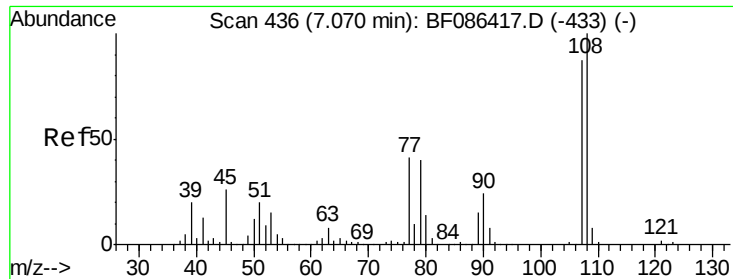
Tgt Ion: 93 Resp: 5805925
Ion Ratio Lower Upper
93 100
63 6.6 58.0 98.0#
95 0.3 11.9 51.9#



#15
Benzyl Alcohol
Concen: 2.01 ng
RT: 6.97 min Scan# 427
Delta R.T. 0.01 min
Lab File: BF086431.D
Acq: 27 Apr 2016 18:37

Tgt Ion: 79 Resp: 11688
Ion Ratio Lower Upper
79 100
108 30.4 68.4 102.6#
77 116.7 50.6 76.0#

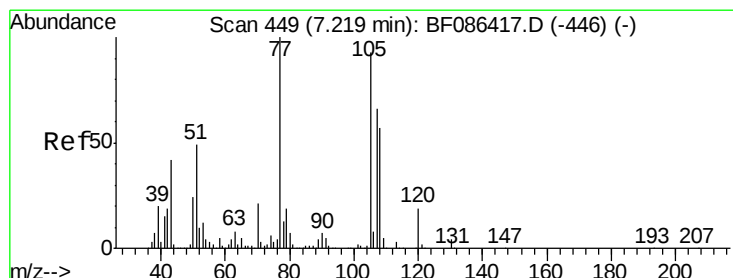
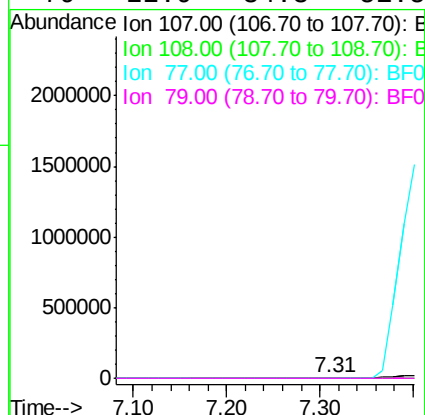
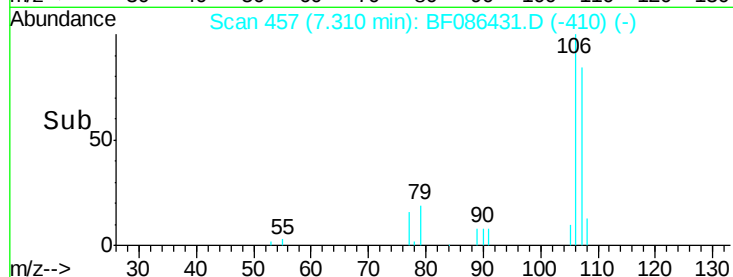
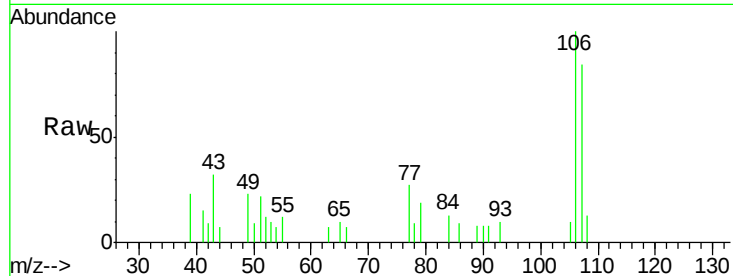




#17
2-Methylphenol
Concen: 2.68 ng
RT: 7.31 min Scan# 457
Delta R.T. 0.24 min
Lab File: BF086431.D
Acq: 27 Apr 2016 18:37

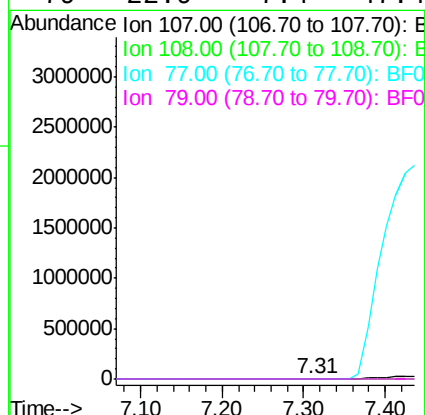
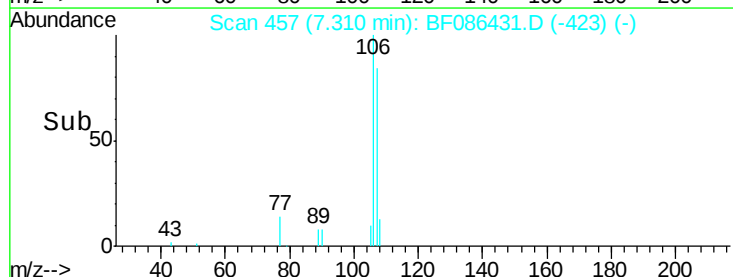
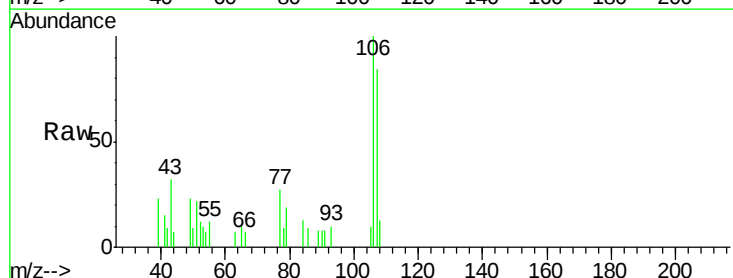
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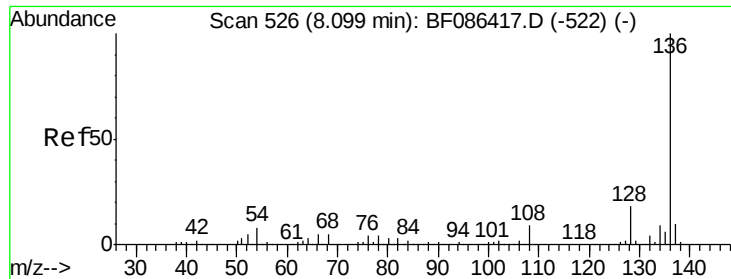
Tgt Ion:107 Resp: 17719
Ion Ratio Lower Upper
107 100
108 15.5 93.7 140.5#
77 32.2 33.4 50.0#
79 22.9 34.3 51.5#



#20
3+4-Methylphenols
Concen: 2.97 ng
RT: 7.31 min Scan# 457
Delta R.T. 0.09 min
Lab File: BF086431.D
Acq: 27 Apr 2016 18:37

Tgt Ion:107 Resp: 22414
Ion Ratio Lower Upper
107 100
108 15.5 68.5 108.5#
77 32.2 101.6 141.6#
79 22.9 7.4 47.4

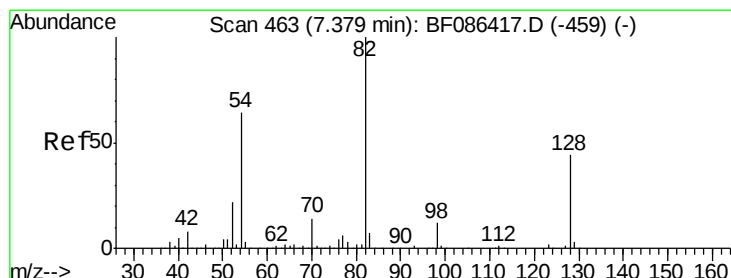
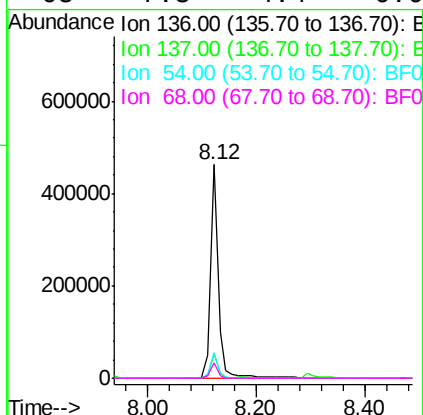
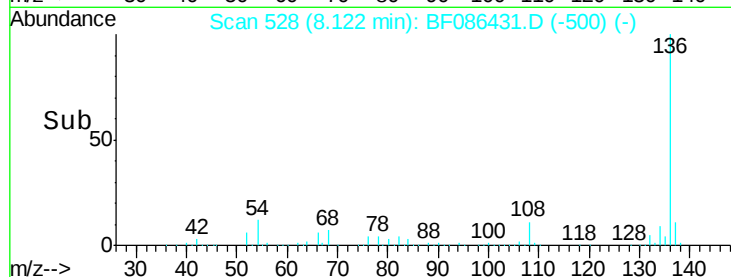
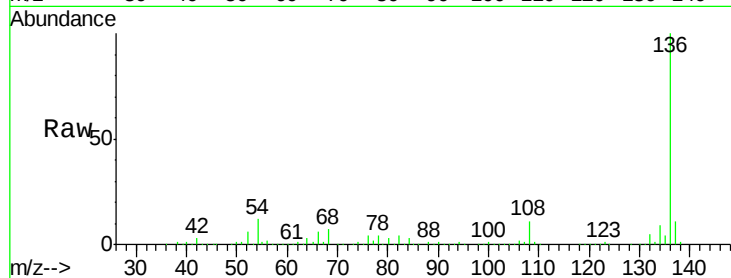




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. 0.02 min
Lab File: BF086431.D
Acq: 27 Apr 2016 18:37

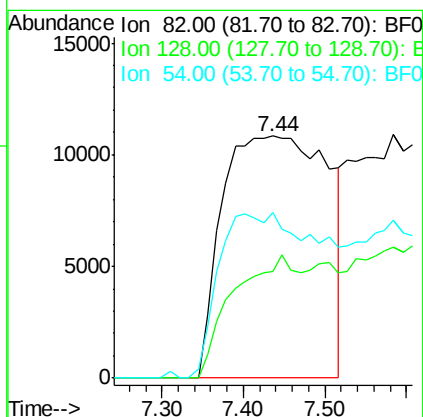
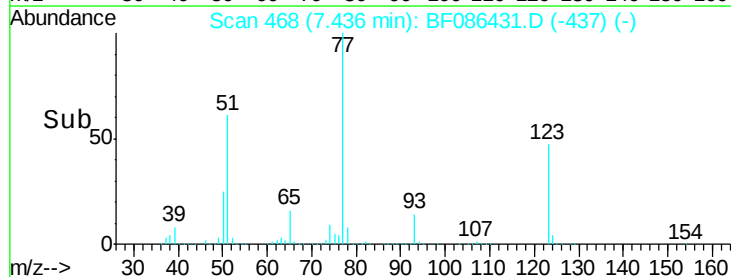
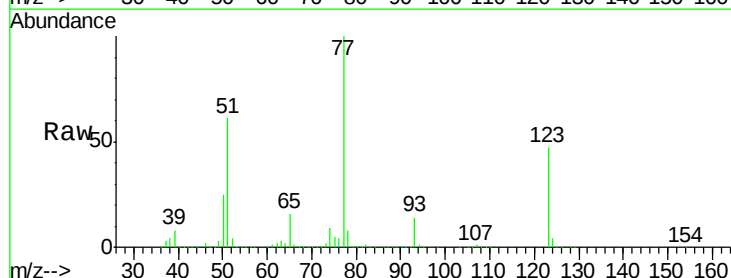
Instrument :
BNA_F
ClientSampleId :
NB2-PRE-B10

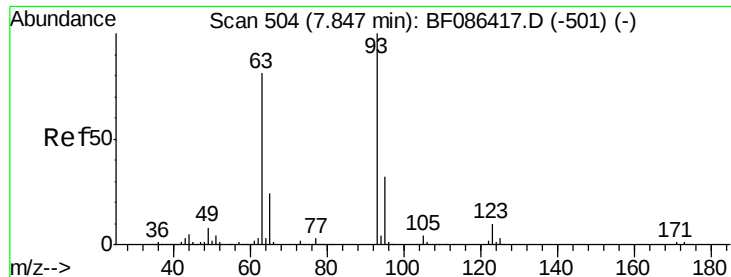
Tgt Ion:	136	Resp:	464906
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	11.8	5.0	7.4#
68	7.3	4.4	6.6#



#23
Nitrobenzene-d5
Concen: 11.27 ng
RT: 7.44 min Scan# 468
Delta R.T. 0.06 min
Lab File: BF086431.D
Acq: 27 Apr 2016 18:37

Tgt Ion:	82	Resp:	97172
Ion	Ratio	Lower	Upper
82	100		
128	44.0	40.6	61.0
54	68.6	38.1	57.1#

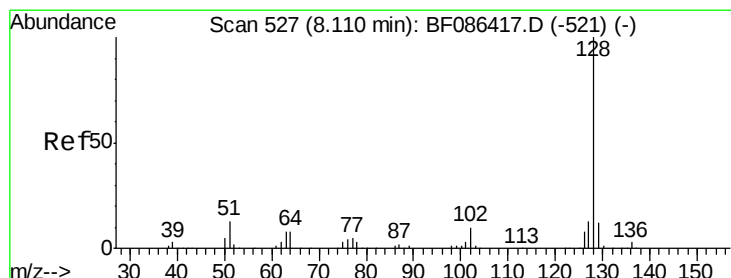
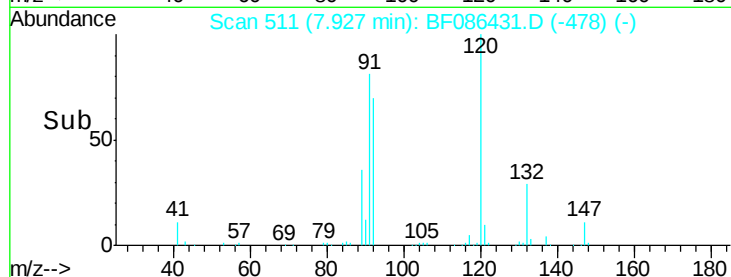
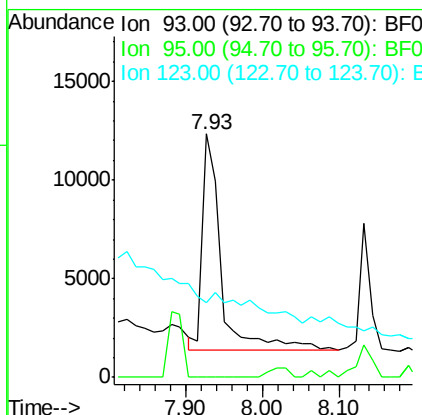
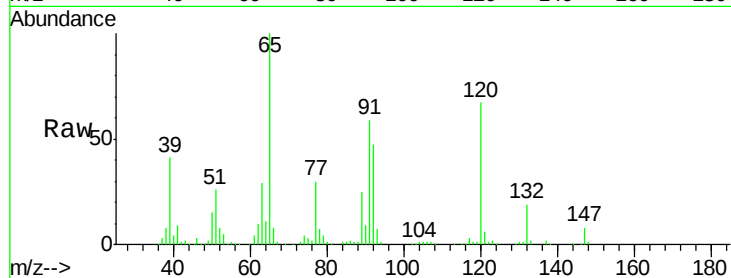




#28
bis(2-Chloroethoxy)methane
Concen: 2.04 ng
RT: 7.93 min Scan# 511
Delta R.T. 0.08 min
Lab File: BF086431.D
Acq: 27 Apr 2016 18:37

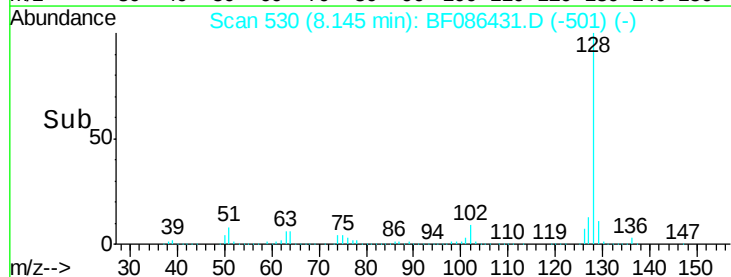
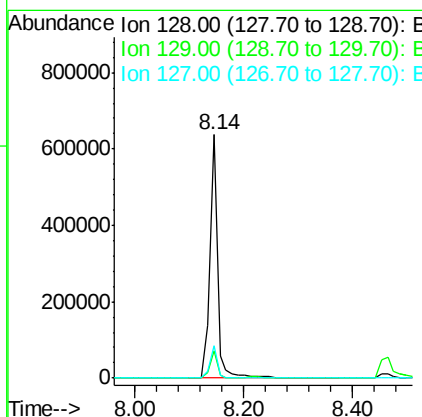
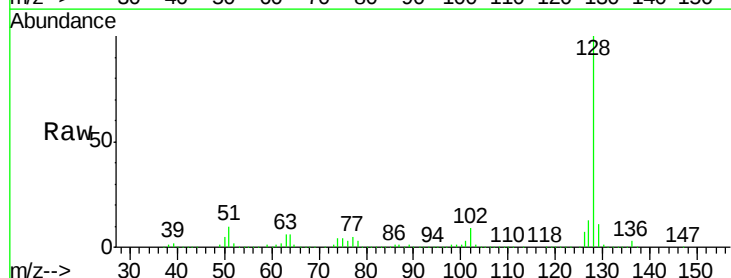
Instrument :
BNA_F
ClientSampleId :
NB2-PRE-B10

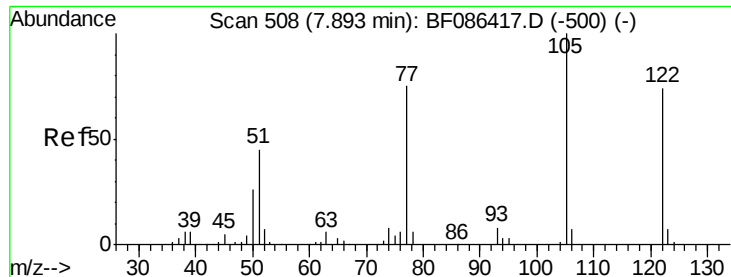
Tgt Ion: 93 Resp: 18482
Ion Ratio Lower Upper
93 100
95 0.0 26.0 39.0#
123 30.6 9.5 14.3#



#31
Naphthalene
Concen: 26.77 ng
RT: 8.14 min Scan# 530
Delta R.T. 0.03 min
Lab File: BF086431.D
Acq: 27 Apr 2016 18:37

Tgt Ion: 128 Resp: 633268
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.4 10.8 16.2





#32

Benzoic acid

Concen: 10.11 ng

RT: 7.90 min Scan# 509

Delta R.T. 0.01 min

Lab File: BF086431.D

Acq: 27 Apr 2016 18:37

Instrument :

BNA_F

ClientSampleId :

NB2-PRE-B10

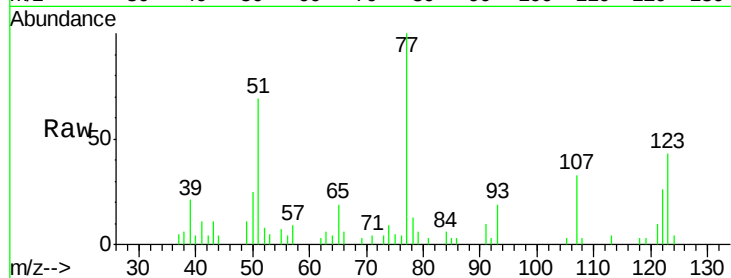
Tgt Ion:122 Resp: 7055

Ion Ratio Lower Upper

122 100

105 10.5 92.6 132.6#

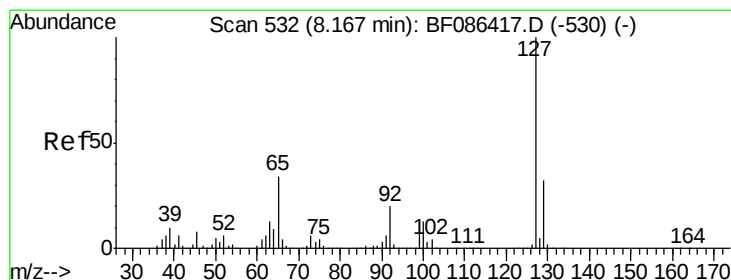
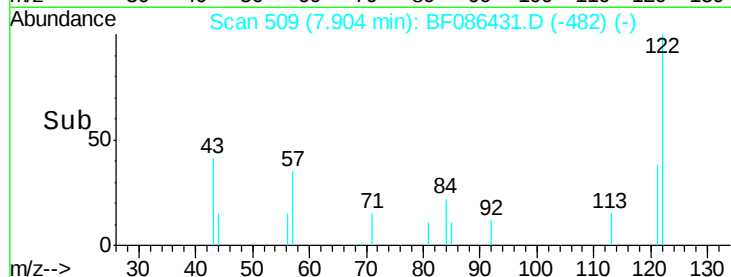
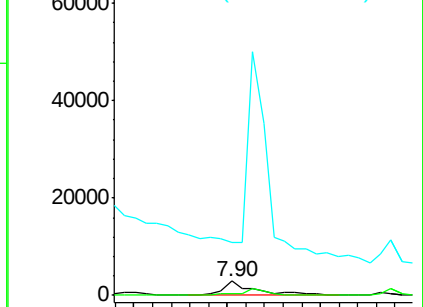
77 382.1 60.0 100.0#



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: 9.55 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.02 min

Lab File: BF086431.D

Acq: 27 Apr 2016 18:37

Tgt Ion:127 Resp: 84626

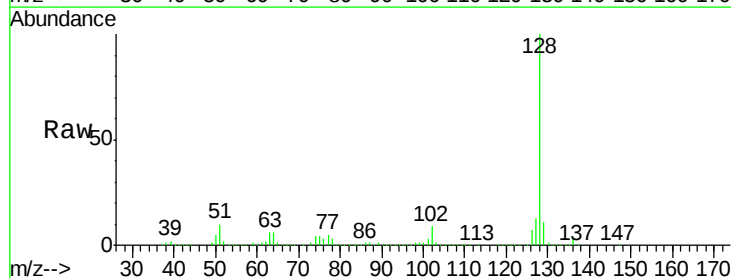
Ion Ratio Lower Upper

127 100

129 82.3 26.2 39.4#

65 4.6 23.0 34.4#

92 1.3 15.1 22.7#

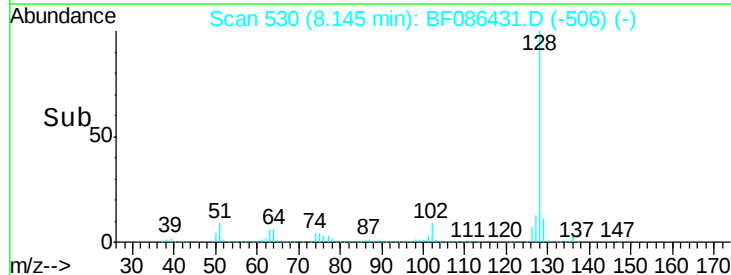
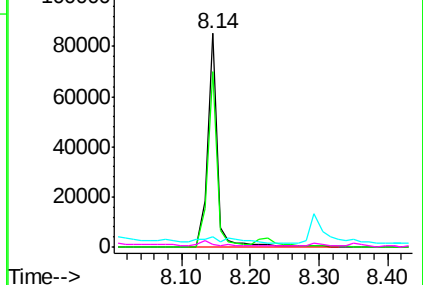


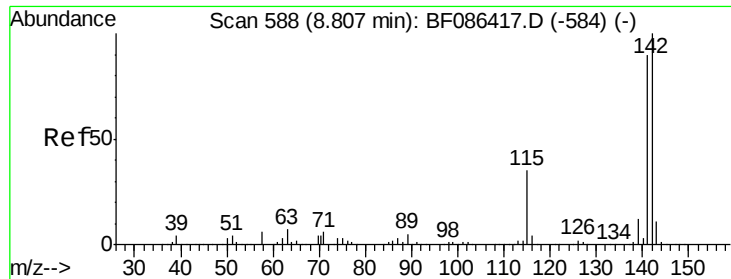
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

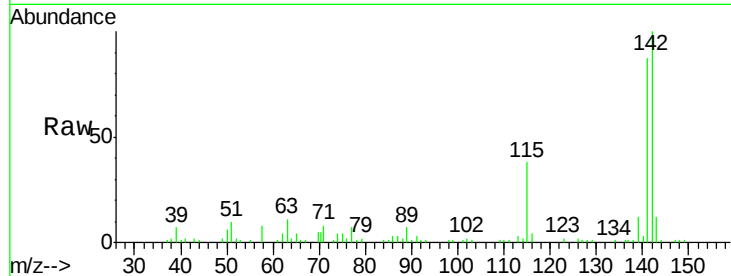




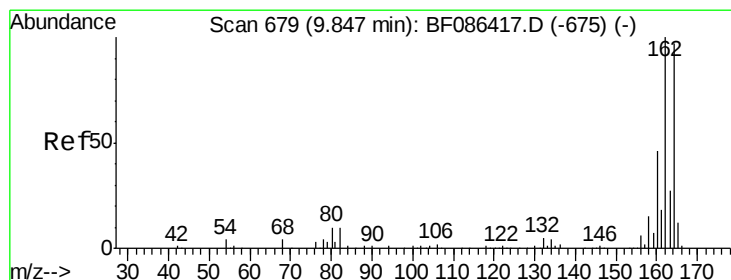
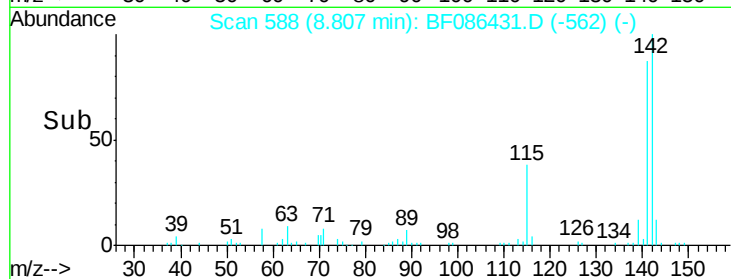
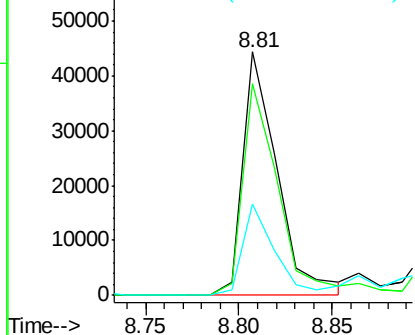
#37
 2-Methylnaphthalene
 Concen: 4.07 ng
 RT: 8.81 min Scan# 588
 Delta R.T. 0.00 min
 Lab File: BF086431.D
 Acq: 27 Apr 2016 18:37

Instrument :
 BNA_F
 ClientSampleId :
 NB2-PRE-B10

Tgt Ion:142 Resp: 56877
 Ion Ratio Lower Upper
 142 100
 141 86.9 71.0 106.6
 115 37.6 26.6 39.8

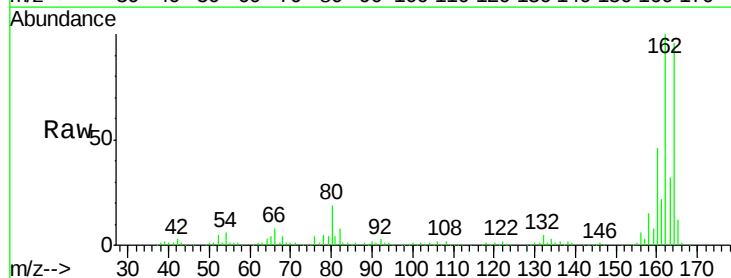


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

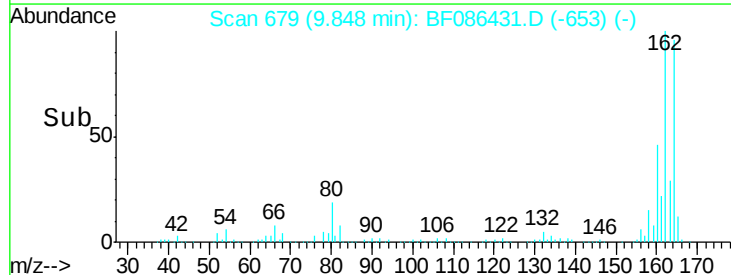
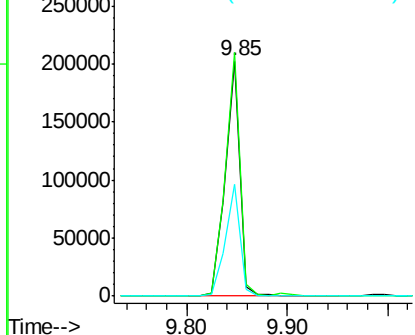


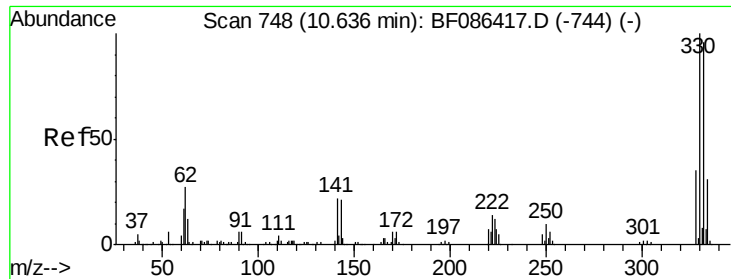
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: BF086431.D
 Acq: 27 Apr 2016 18:37

Tgt Ion:164 Resp: 204521
 Ion Ratio Lower Upper
 164 100
 162 103.6 82.8 124.2
 160 47.6 36.9 55.3



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

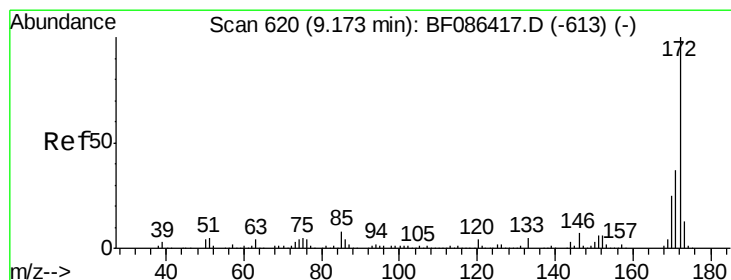
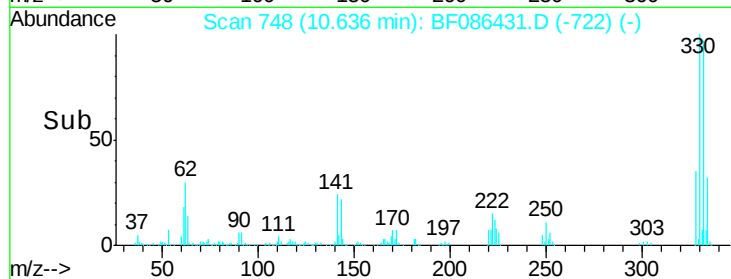
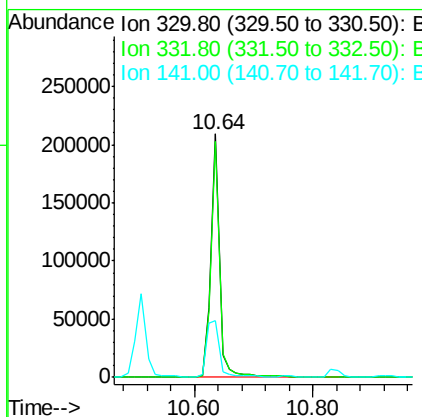
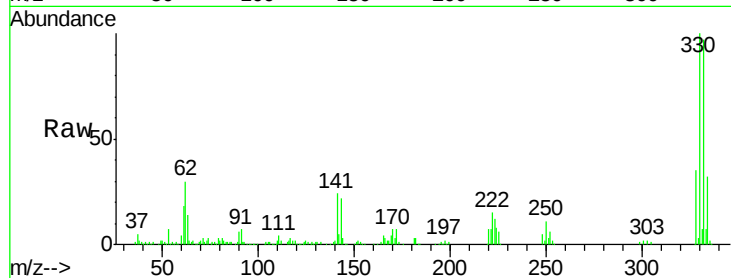




#41
 2,4,6-Tribromophenol
 Concen: 101.16 ng
 RT: 10.64 min Scan# 748
 Delta R.T. 0.00 min
 Lab File: BF086431.D
 Acq: 27 Apr 2016 18:37

Instrument :
 BNA_F
 ClientSampleId :
 NB2-PRE-B10

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	79.0	118.4
141	33.3	31.2	46.8



#44
 2-Fluorobiphenyl
 Concen: 69.62 ng
 RT: 9.17 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: BF086431.D
 Acq: 27 Apr 2016 18:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.0	43.6
170	24.1	19.8	29.8

