

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051316\
 Data File : BF087003.D
 Acq On : 14 May 2016 7:02
 Operator : UM/SJ
 Sample : H2966-07
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-16

Quant Time: May 16 01:01:55 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 13 14:55:23 2016
 Response via : Initial Calibration

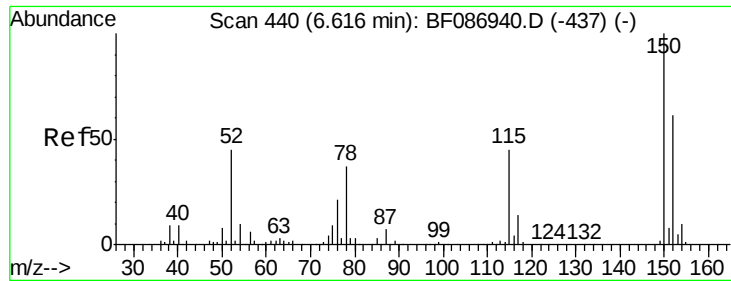
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	142103	20.00	ng	-0.08
21) Naphthalene-d8	7.91	136	526754	20.00	ng	-0.08
38) Acenaphthene-d10	9.66	164	229307	20.00	ng	-0.08
63) Phenanthrene-d10	11.14	188	461306	20.00	ng	-0.07
75) Chrysene-d12	13.75	240	309587	20.00	ng	-0.09
86) Perylene-d12	15.11	264	283954	20.00	ng	-0.10

System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	512213	61.04	ng	-0.09
7) Phenol-d6	6.31	99	465763	41.53	ng	-0.05
23) Nitrobenzene-d5	7.19	82	953240	90.87	ng	-0.08
41) 2,4,6-Tribromophenol	10.47	330	404356	166.57	ng	-0.05
44) 2-Fluorobiphenyl	8.99	172	1311416	96.12	ng	-0.07
78) Terphenyl-d14	12.72	244	1304219	89.38	ng	-0.08

Target Compounds						Qvalue
15) Benzyl Alcohol	6.76	79	21085	2.72	ng	# 52
17) 2-Methylphenol	7.10	107	431981	53.62	ng	# 71
18) Hexachloroethane	7.19	117	106792	25.40	ng	# 11
20) 3+4-Methylphenols	7.10	107	439905	41.80	ng	# 55
25) Isophorone	7.50	82	45671	2.35	ng	# 2
28) bis(2-Chloroethoxy)methane	7.67	93	31506	3.00	ng	# 1
33) 4-Chloroaniline	8.00	127	38133	3.72	ng	# 65
35) Caprolactam	8.39	113	55732	23.03	ng	# 1
36) 4-Chloro-3-methylphenol	8.57	107	48787	5.66	ng	# 29
47) 2-Nitroaniline	9.16	65	28135	5.39	ng	# 24
49) Dimethylphthalate	9.40	163	42260	2.42	ng	# 1
50) 2,6-Dinitrotoluene	9.40	165	18515	5.03	ng	# 1
52) 3-Nitroaniline	9.67	138	17858	4.61	ng	# 47
53) 2,4-Dinitrophenol	9.75	184	3796	9.52	ng	# 1
55) 4-Nitrophenol	9.82	139	40425	19.31	ng	# 1
56) 2,4-Dinitrotoluene	9.87	165	16257	3.57	ng	# 22
59) Diethylphthalate	10.06	149	39880	2.34	ng	# 57
60) 4-Chlorophenyl-phenylether	10.19	204	1665	Below	Cal	# 1
62) Azobenzene	10.40	77	223136	12.13	ng	# 24
66) 4-Bromophenyl-phenylether	10.47	248	23448	5.01	ng	# 1

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

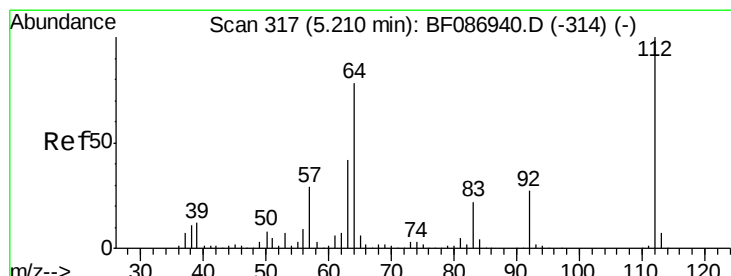
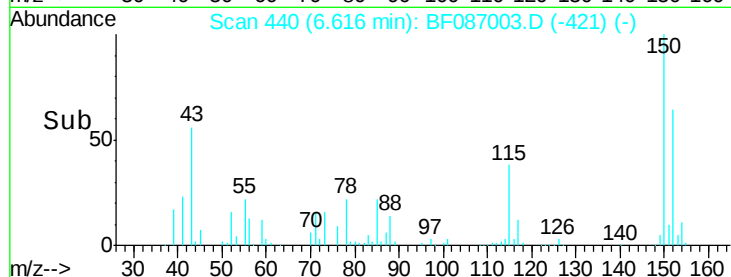
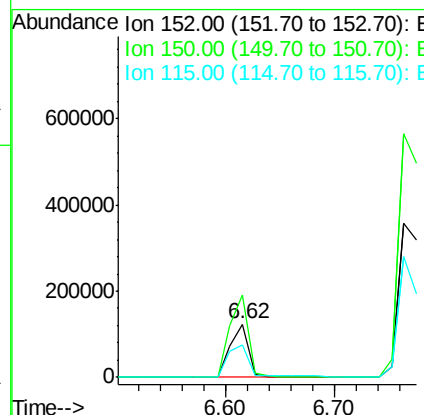
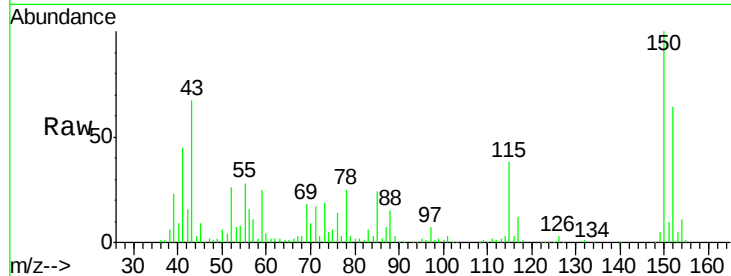
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Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051316\  
Data File : BF087003.D  
Acq On    : 14 May 2016    7:02  
Operator  : UM/SJ  
Sample    : H2966-07  
Misc      :  
ALS Vial  : 27    Sample Multiplier: 1
```



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.62 min Scan# 440
 Delta R.T. -0.08 min
 Lab File: BF087003.D
 Acq: 14 May 2016 7:02

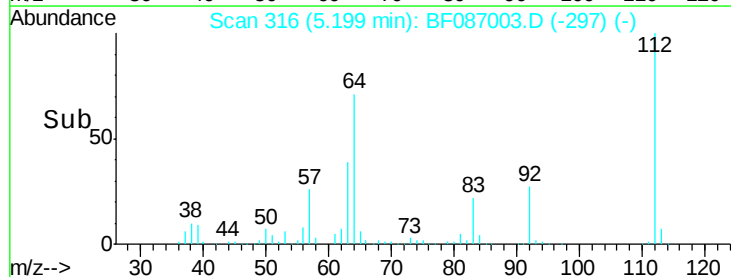
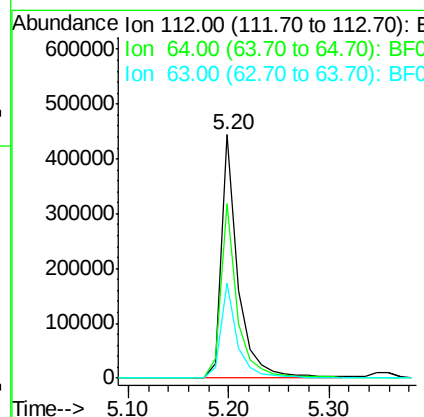
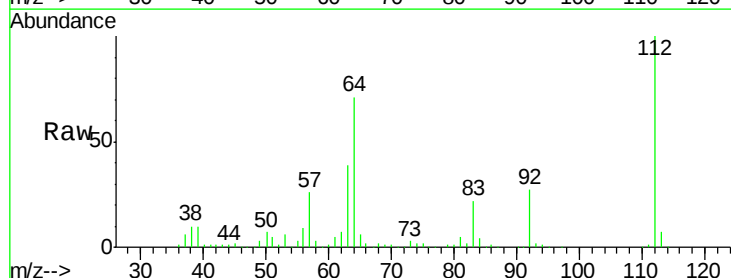
Instrument :
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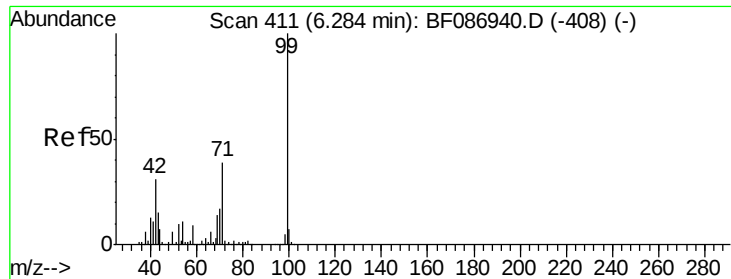
Tgt Ion:152 Resp: 142103
 Ion Ratio Lower Upper
 152 100
 150 156.0 125.8 188.6
 115 59.8 51.5 77.3



#5
 2-Fluorophenol
 Concen: 61.04 ng
 RT: 5.20 min Scan# 316
 Delta R.T. -0.09 min
 Lab File: BF087003.D
 Acq: 14 May 2016 7:02

Tgt Ion:112 Resp: 512213
 Ion Ratio Lower Upper
 112 100
 64 71.4 52.1 78.1
 63 39.0 25.7 38.5#





#7

Phenol-d6

Concen: 41.53 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.05 min

Lab File: BF087003.D

Acq: 14 May 2016 7:02

Instrument :

BNA_F

ClientSampleId :

MW-16

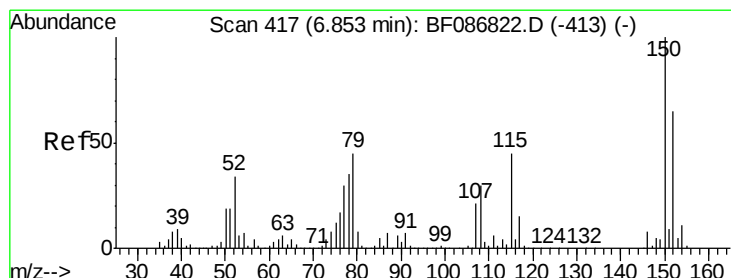
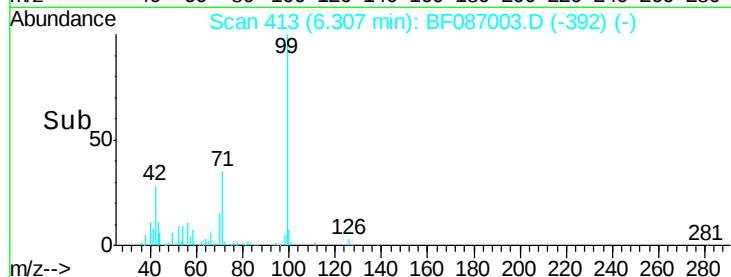
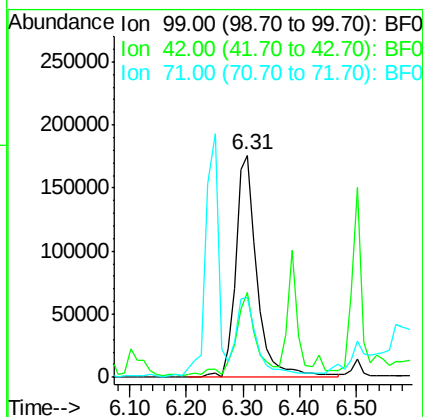
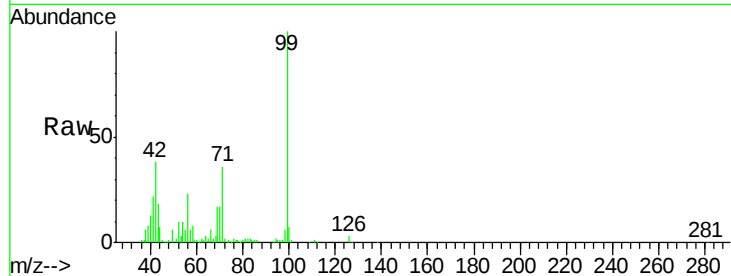
Tgt Ion: 99 Resp: 465763

Ion Ratio Lower Upper

99 100

42 38.4 13.6 20.4#

71 36.0 24.6 36.8



#15

Benzyl Alcohol

Concen: 2.72 ng

RT: 6.76 min Scan# 453

Delta R.T. -0.09 min

Lab File: BF087003.D

Acq: 14 May 2016 7:02

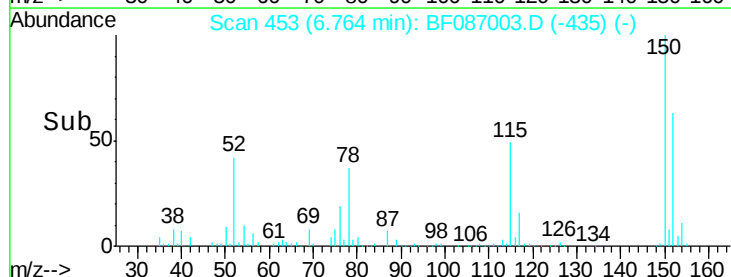
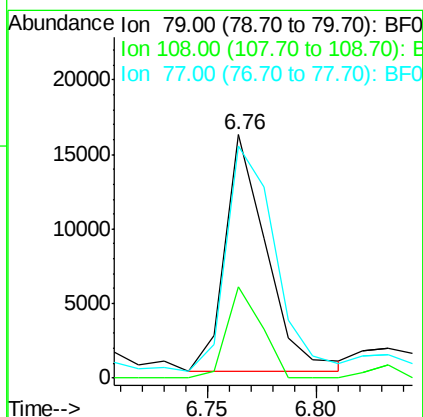
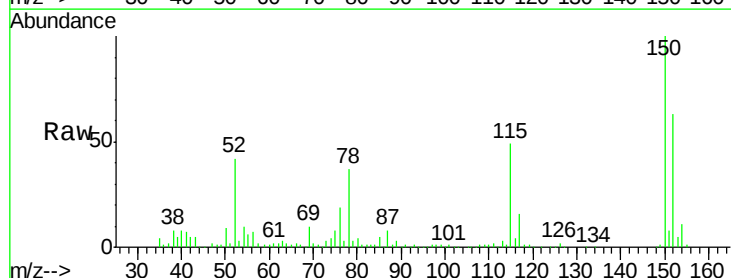
Tgt Ion: 79 Resp: 21085

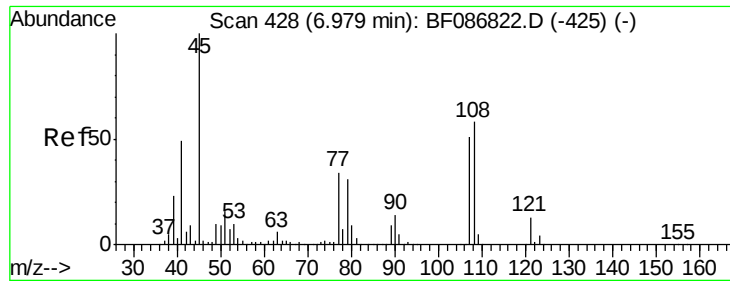
Ion Ratio Lower Upper

79 100

108 37.3 68.4 102.6#

77 95.5 50.6 76.0#

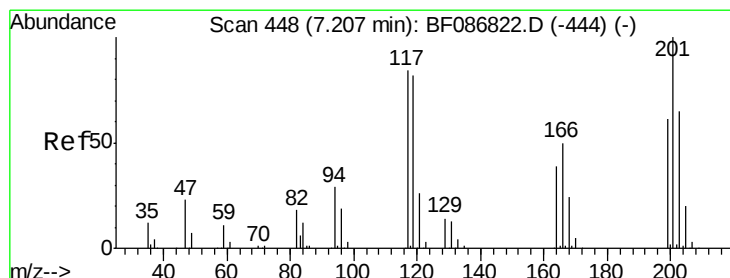
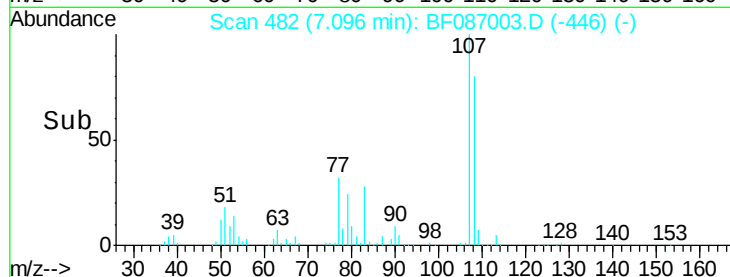
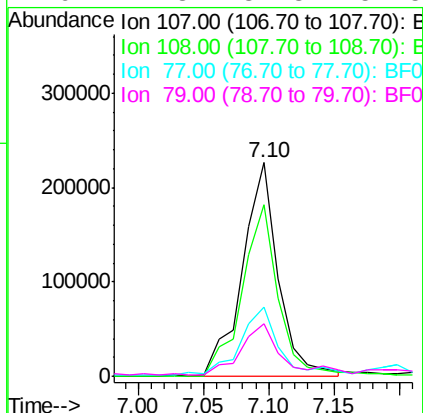
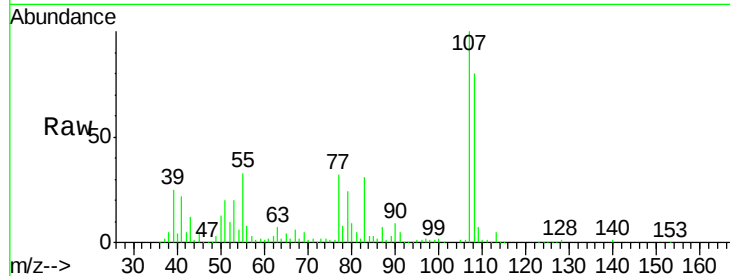




#17
2-Methylphenol
Concen: 53.62 ng
RT: 7.10 min Scan# 482
Delta R.T. 0.12 min
Lab File: BF087003.D
Acq: 14 May 2016 7:02

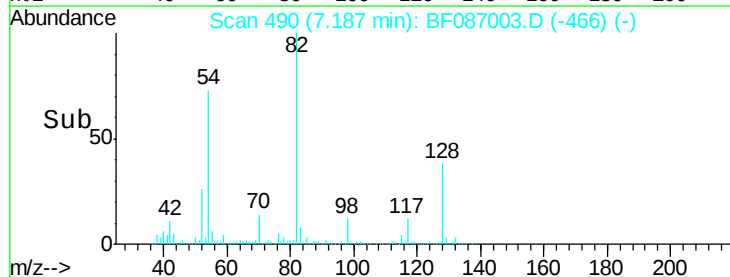
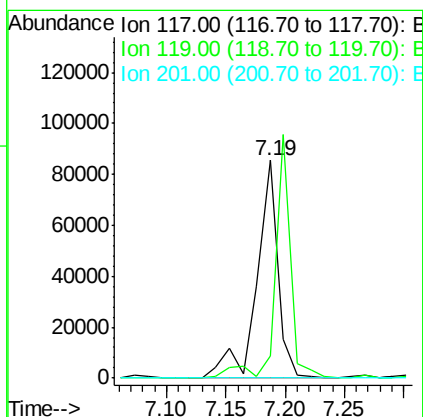
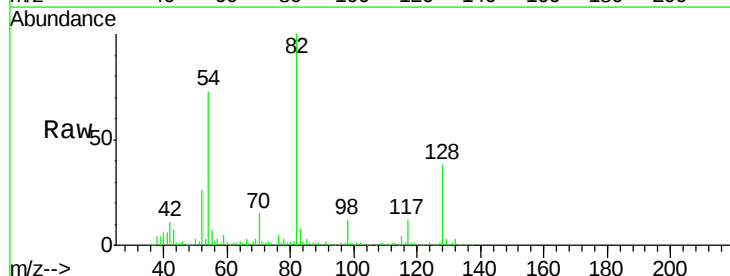
Instrument :
BNA_F
ClientSampleId :
MW-16

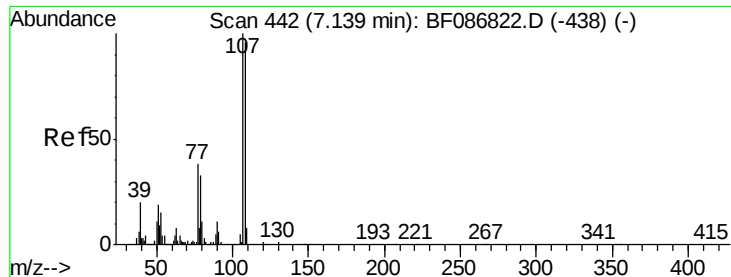
Tgt Ion	Ratio	Lower	Upper
107	100		
108	80.0	93.7	140.5#
77	32.3	33.4	50.0#
79	24.3	34.3	51.5#



#18
Hexachloroethane
Concen: 25.40 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.02 min
Lab File: BF087003.D
Acq: 14 May 2016 7:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	10.2	76.5	114.7#
201	0.0	63.0	94.6#

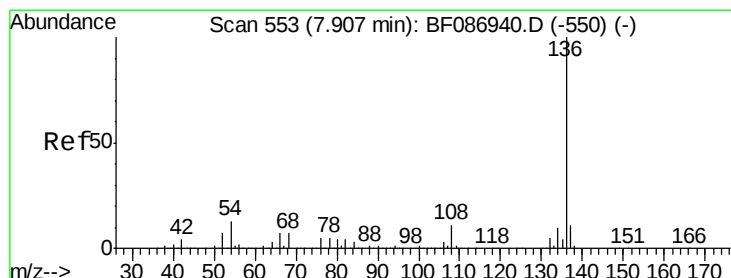
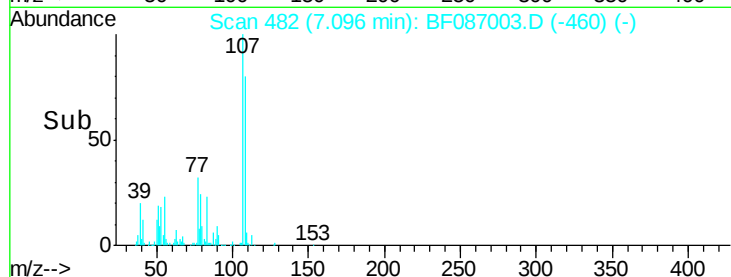
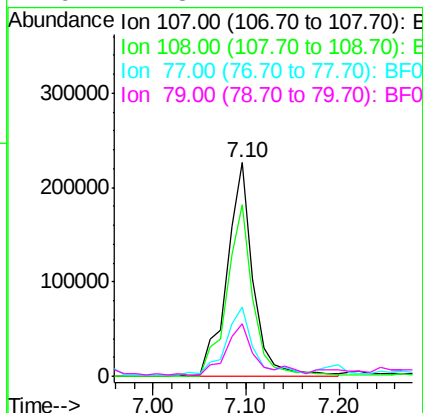
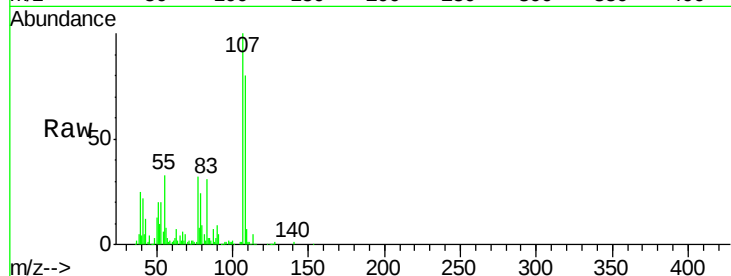




#20
3+4-Methylphenols
Concen: 41.80 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.04 min
Lab File: BF087003.D
Acq: 14 May 2016 7:02

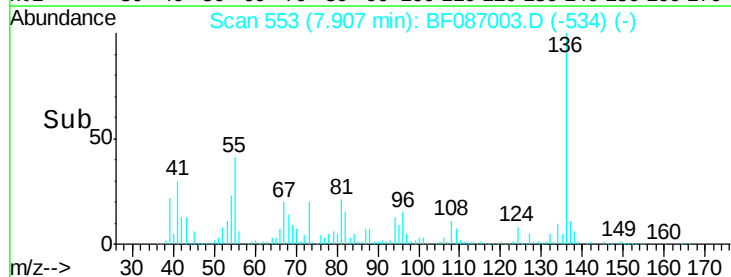
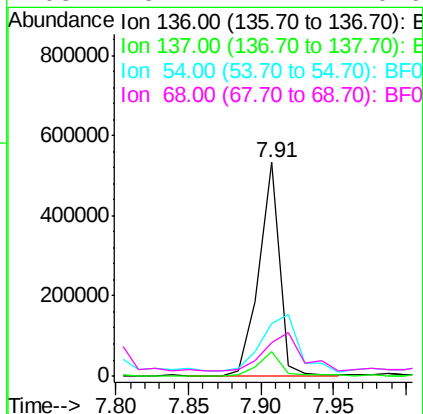
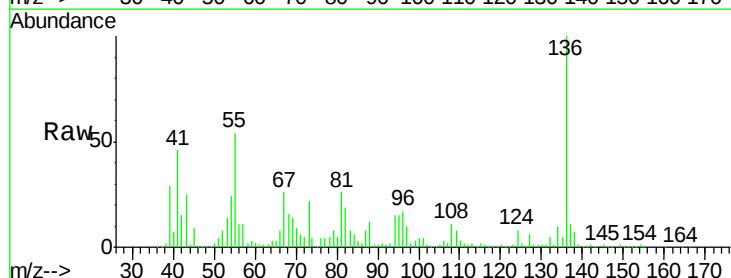
Instrument :
BNA_F
ClientSampleId :
MW-16

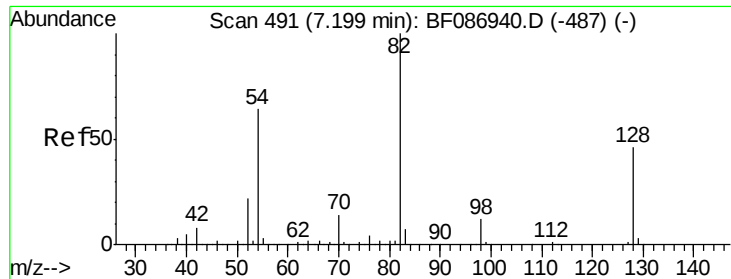
Tgt Ion:	107	Resp:	439905
Ion	Ratio	Lower	Upper
107	100		
108	80.0	68.5	108.5
77	32.3	101.6	141.6#
79	24.3	7.4	47.4



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.91 min Scan# 553
Delta R.T. -0.08 min
Lab File: BF087003.D
Acq: 14 May 2016 7:02

Tgt Ion:	136	Resp:	526754
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	24.3	5.0	7.4#
68	15.7	4.4	6.6#

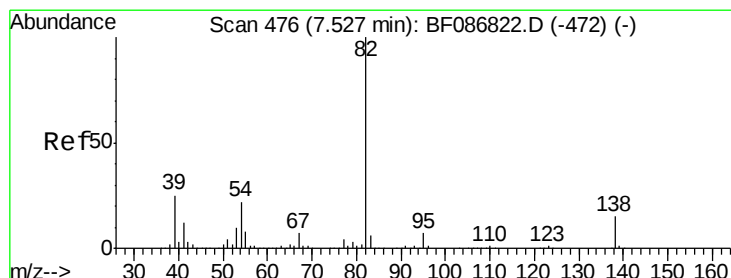
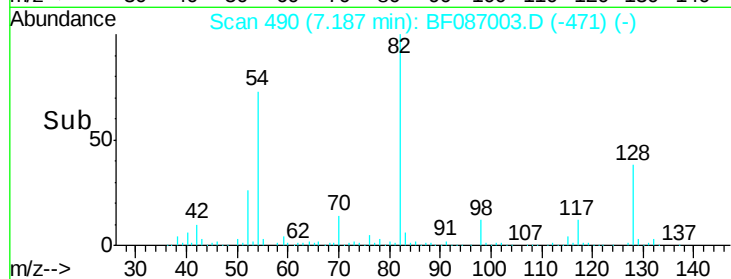
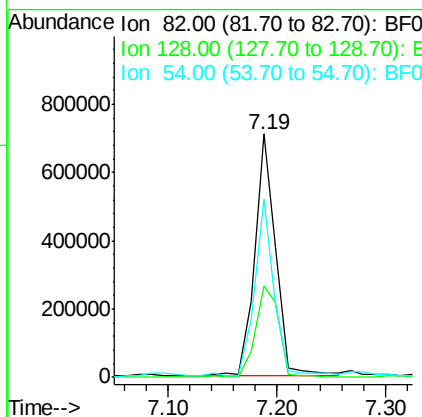
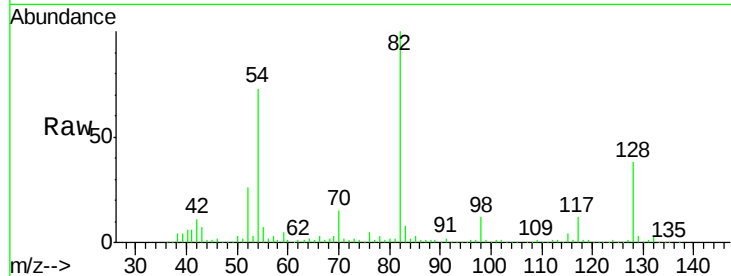




#23
Nitrobenzene-d5
Concen: 90.87 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.08 min
Lab File: BF087003.D
Acq: 14 May 2016 7:02

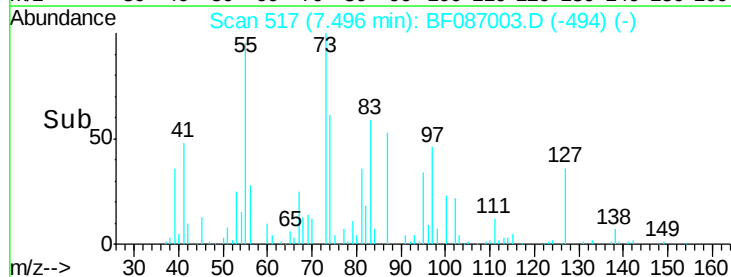
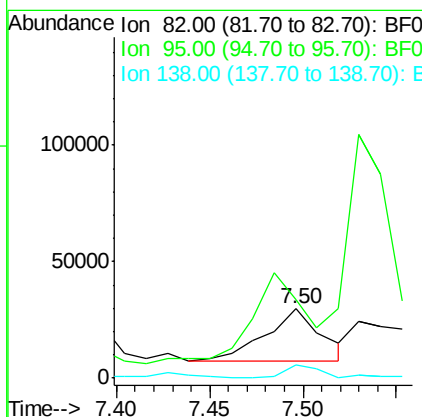
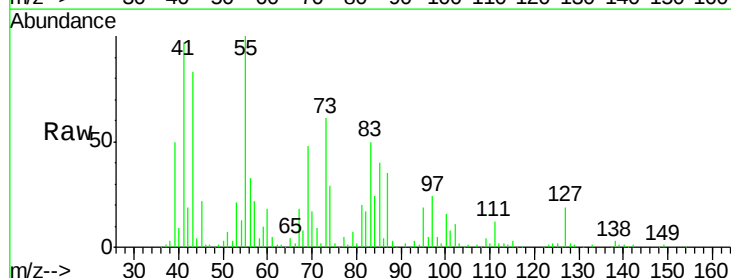
Instrument :
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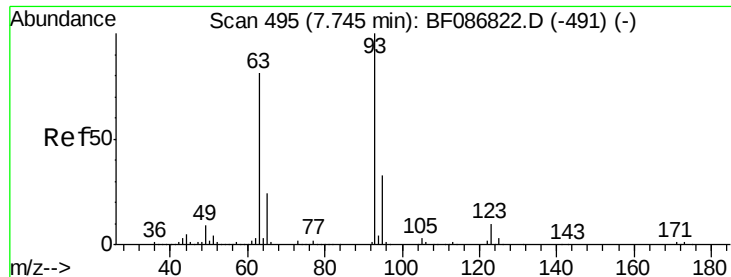
Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.7	40.6	61.0#
54	73.4	38.1	57.1#



#25
Isophorone
Concen: 2.35 ng
RT: 7.50 min Scan# 517
Delta R.T. -0.03 min
Lab File: BF087003.D
Acq: 14 May 2016 7:02

Tgt Ion	Ratio	Lower	Upper
82	100		
95	113.4	5.1	7.7#
138	19.3	12.4	18.6#

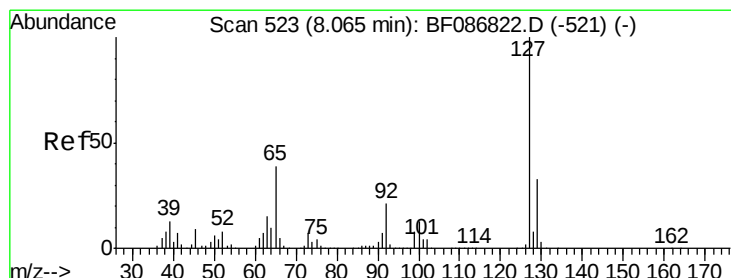
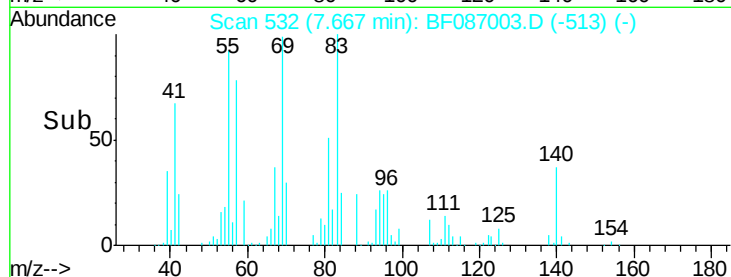
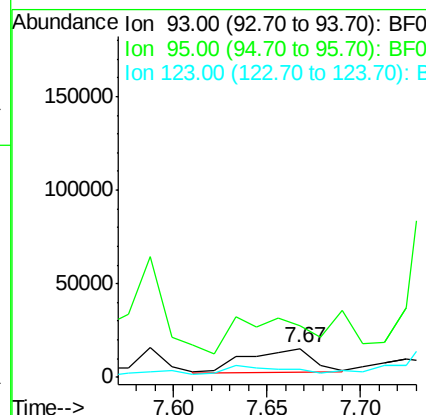
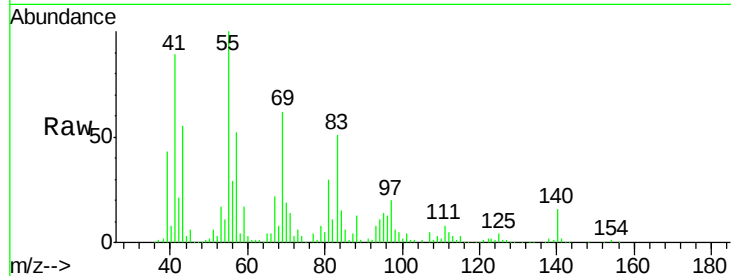




#28
bis(2-Chloroethoxy)methane
Concen: 3.00 ng
RT: 7.67 min Scan# 532
Delta R.T. -0.08 min
Lab File: BF087003.D
Acq: 14 May 2016 7:02

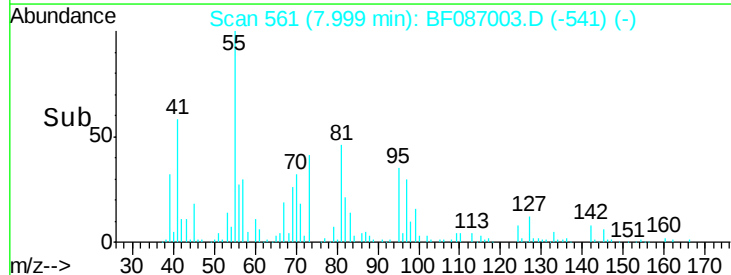
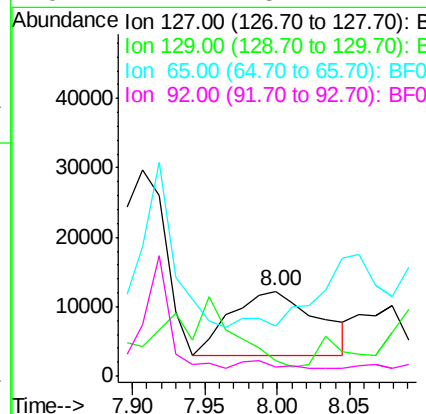
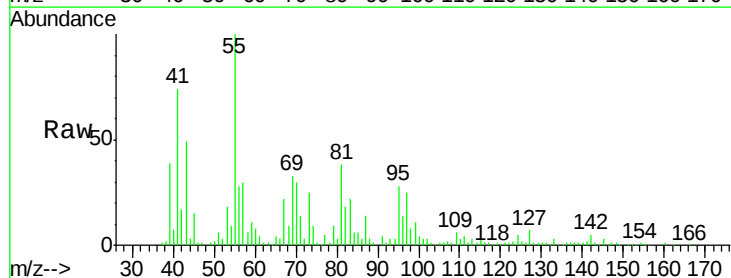
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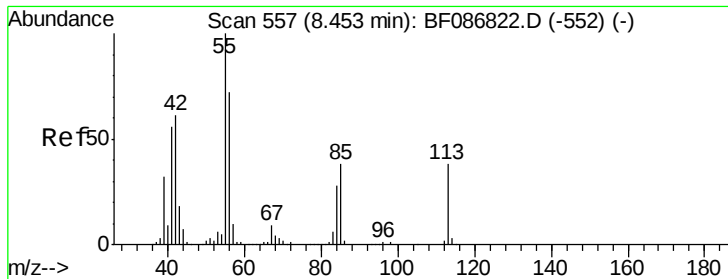
Tgt Ion: 93 Resp: 31506
Ion Ratio Lower Upper
93 100
95 179.2 26.0 39.0#
123 29.8 9.5 14.3#



#33
4-Chloroaniline
Concen: 3.72 ng
RT: 8.00 min Scan# 561
Delta R.T. -0.07 min
Lab File: BF087003.D
Acq: 14 May 2016 7:02

Tgt Ion: 127 Resp: 38133
Ion Ratio Lower Upper
127 100
129 18.0 26.2 39.4#
65 59.3 23.0 34.4#
92 11.2 15.1 22.7#





#35

Caprolactam

Concen: 23.03 ng

RT: 8.39 min Scan# 595

Delta R.T. -0.07 min

Lab File: BF087003.D

Acq: 14 May 2016 7:02

Instrument :

BNA_F

ClientSampleId :

MW-16

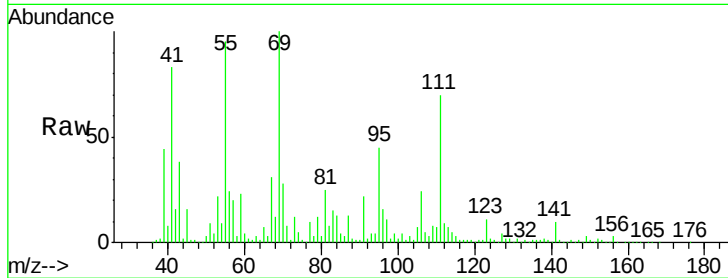
Tgt Ion:113 Resp: 55732

Ion Ratio Lower Upper

113 100

55 1401.0 162.0 202.0#

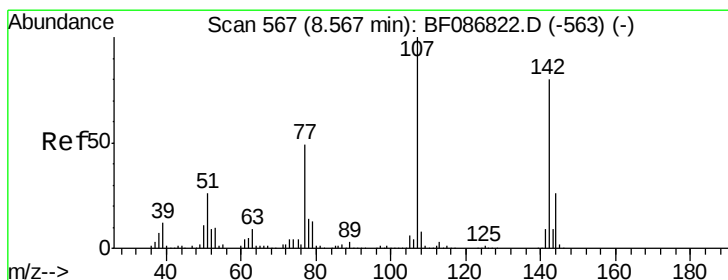
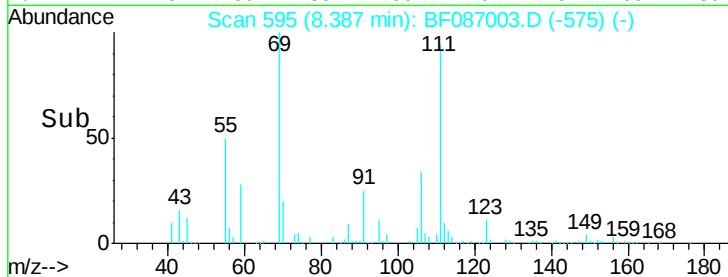
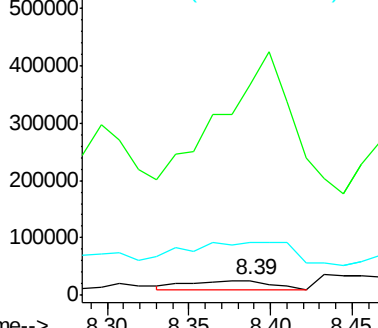
56 351.3 115.3 155.3#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 5.66 ng

RT: 8.57 min Scan# 611

Delta R.T. 0.00 min

Lab File: BF087003.D

Acq: 14 May 2016 7:02

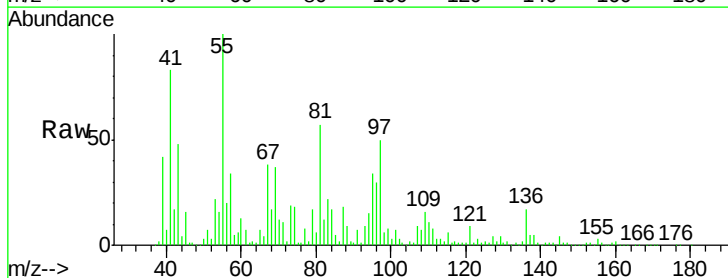
Tgt Ion:107 Resp: 48787

Ion Ratio Lower Upper

107 100

144 2.7 20.7 31.1#

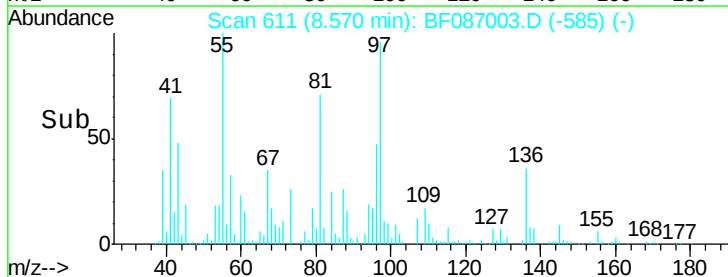
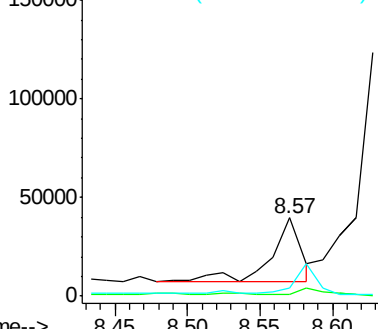
142 9.9 63.2 94.8#

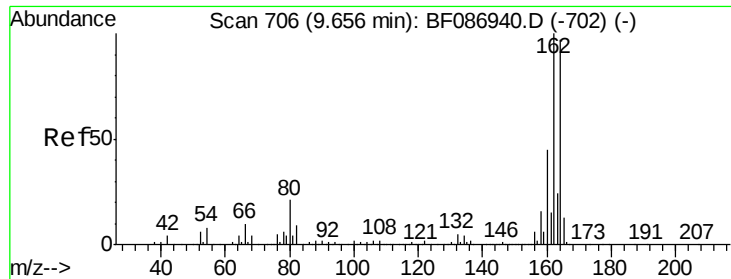


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.66 min Scan# 706

Delta R.T. -0.08 min

Lab File: BF087003.D

Acq: 14 May 2016 7:02

Instrument :

BNA_F

ClientSampled :

MW-16

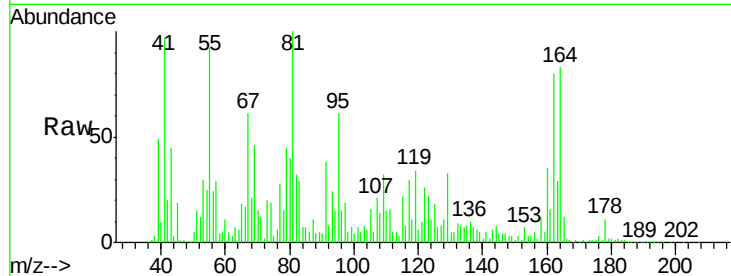
Tgt Ion:164 Resp: 229307

Ion Ratio Lower Upper

164 100

162 96.8 82.8 124.2

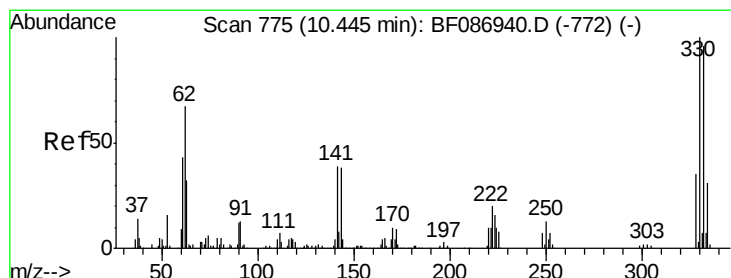
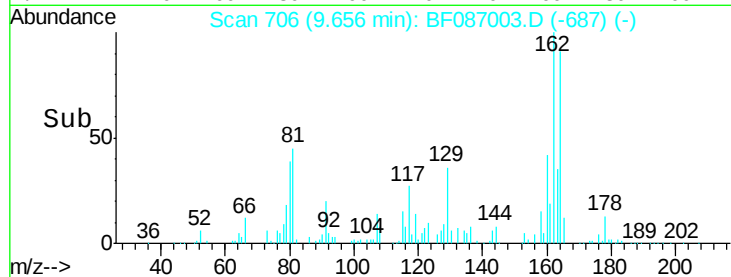
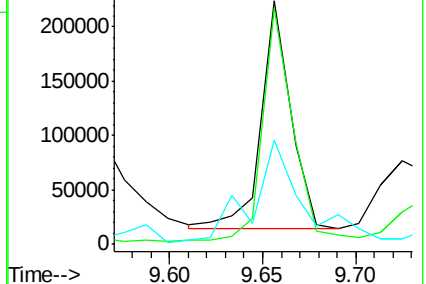
160 42.6 36.9 55.3



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: 166.57 ng

RT: 10.47 min Scan# 777

Delta R.T. -0.05 min

Lab File: BF087003.D

Acq: 14 May 2016 7:02

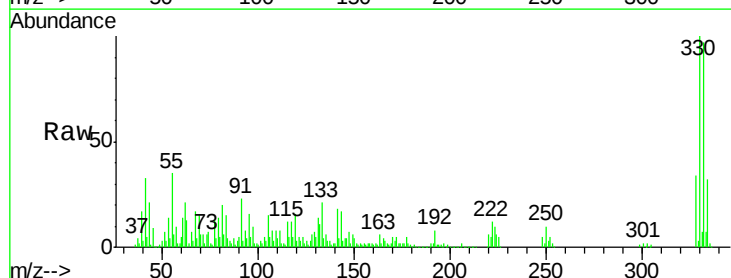
Tgt Ion:330 Resp: 404356

Ion Ratio Lower Upper

330 100

332 96.4 79.0 118.4

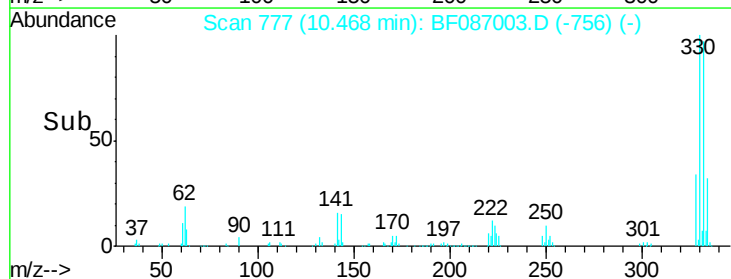
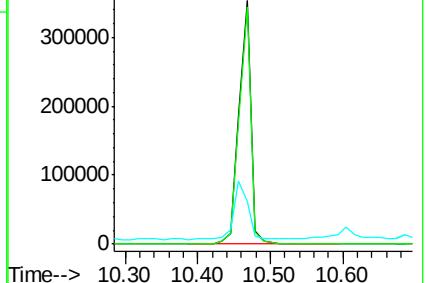
141 28.4 31.2 46.8#

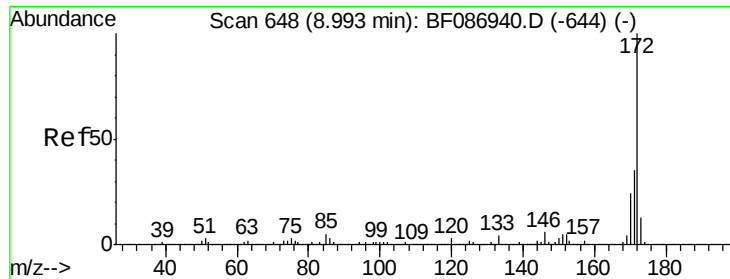


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

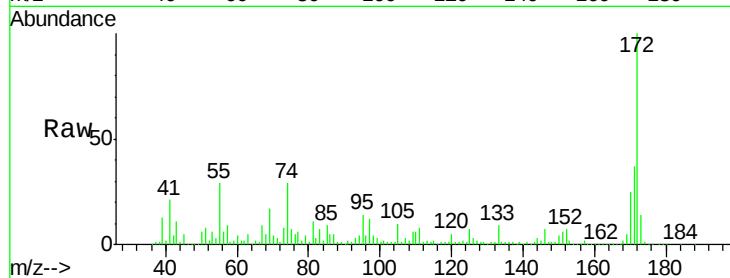




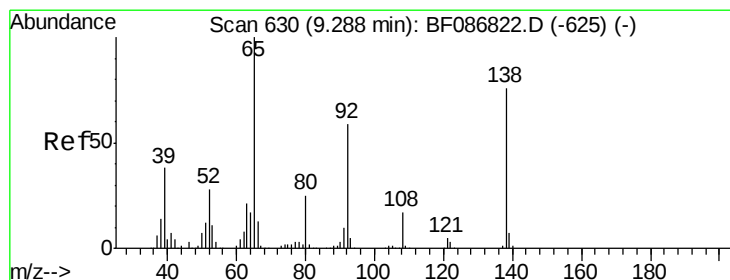
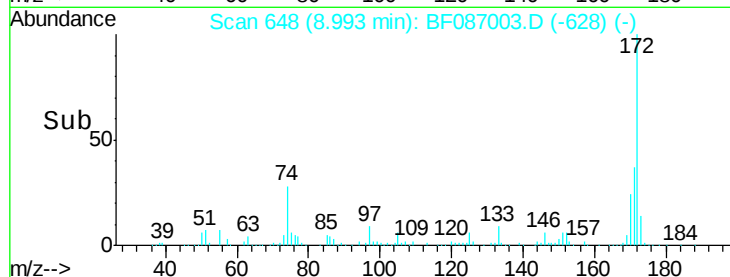
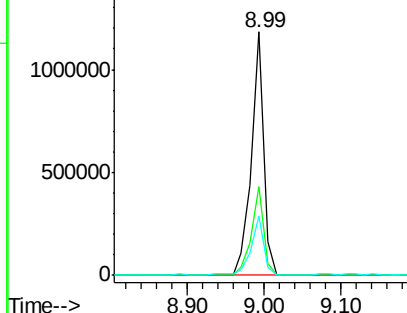
#44
2-Fluorobiphenyl
Concen: 96.12 ng
RT: 8.99 min Scan# 648
Delta R.T. -0.07 min
Lab File: BF087003.D
Acq: 14 May 2016 7:02

Instrument :
BNA_F
ClientSampleId :
MW-16

Tgt Ion: 172 Resp: 1311416
Ion Ratio Lower Upper
172 100
171 36.6 29.0 43.6
170 24.6 19.8 29.8

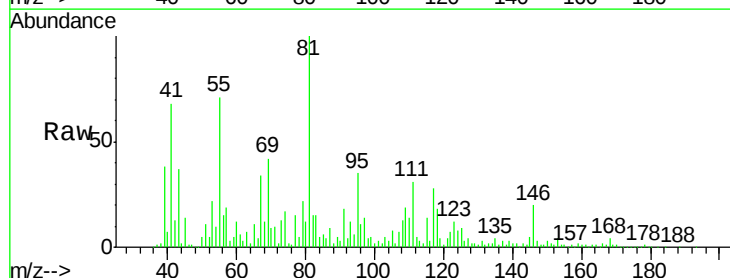


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

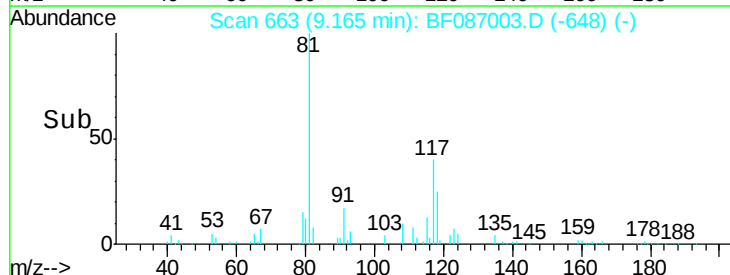
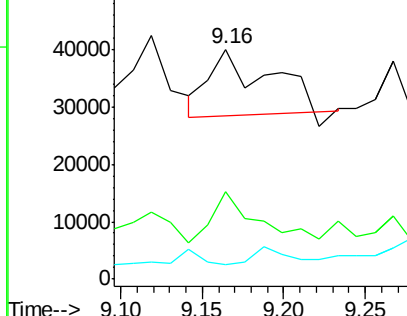


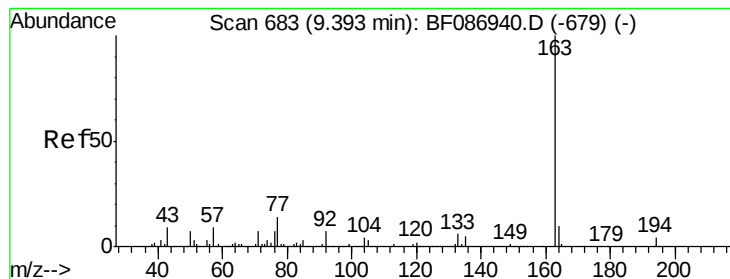
#47
2-Nitroaniline
Concen: 5.39 ng
RT: 9.16 min Scan# 663
Delta R.T. -0.12 min
Lab File: BF087003.D
Acq: 14 May 2016 7:02

Tgt Ion: 65 Resp: 28135
Ion Ratio Lower Upper
65 100
92 37.9 57.4 86.2#
138 6.4 90.1 135.1#



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





#49

Dimethylphthalate

Concen: 2.42 ng

RT: 9.40 min Scan# 684

Delta R.T. -0.07 min

Lab File: BF087003.D

Acq: 14 May 2016 7:02

Instrument :

BNA_F

ClientSampleId :

MW-16

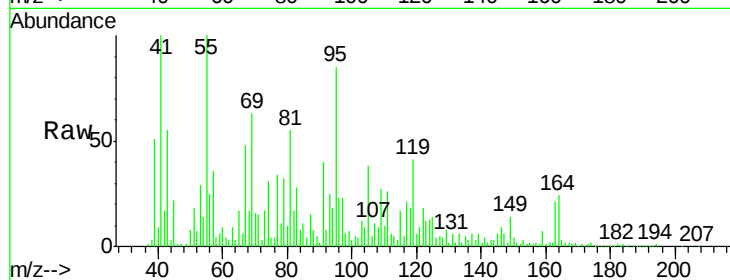
Tgt Ion:163 Resp: 42260

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

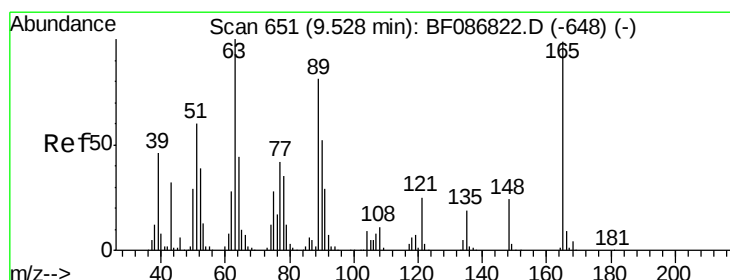
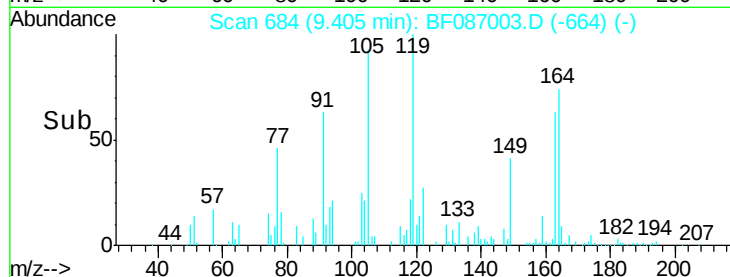
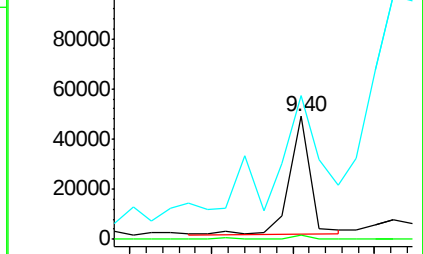
164 117.1 8.2 12.4#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 5.03 ng

RT: 9.40 min Scan# 684

Delta R.T. -0.12 min

Lab File: BF087003.D

Acq: 14 May 2016 7:02

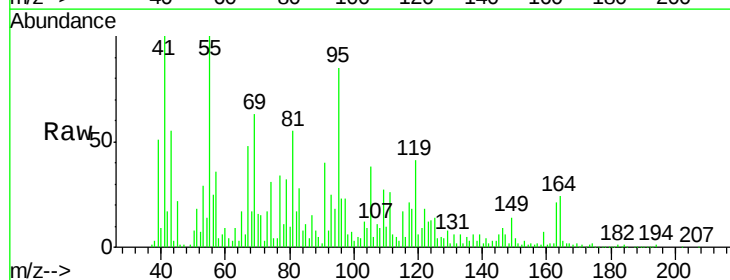
Tgt Ion:165 Resp: 18515

Ion Ratio Lower Upper

165 100

63 255.7 51.8 77.8#

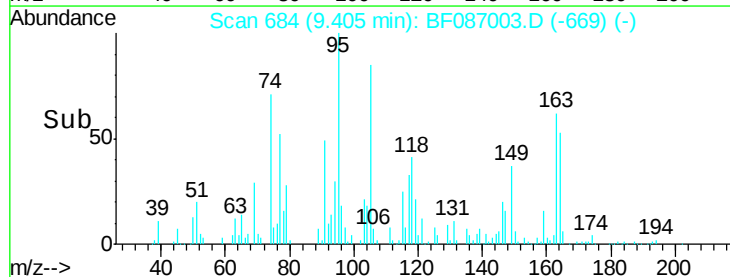
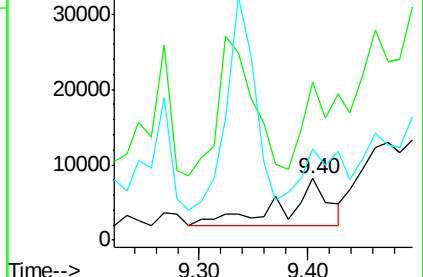
89 147.3 50.7 76.1#

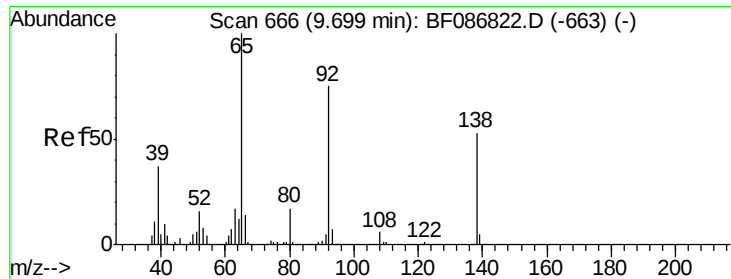


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

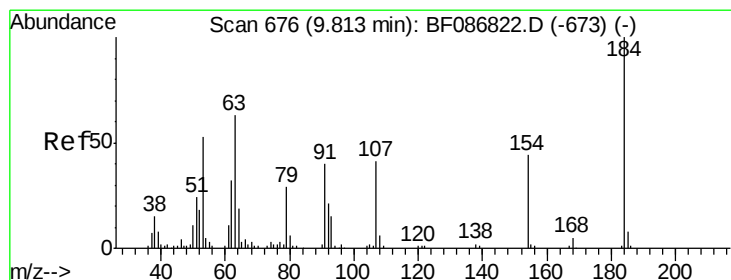
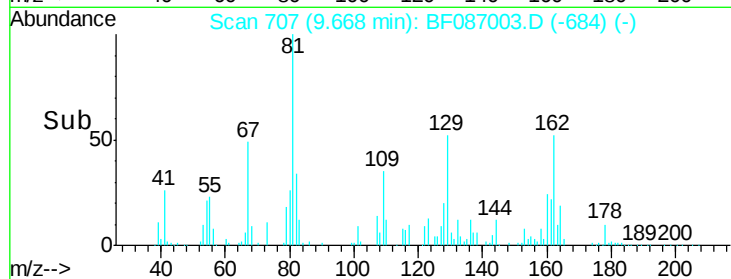
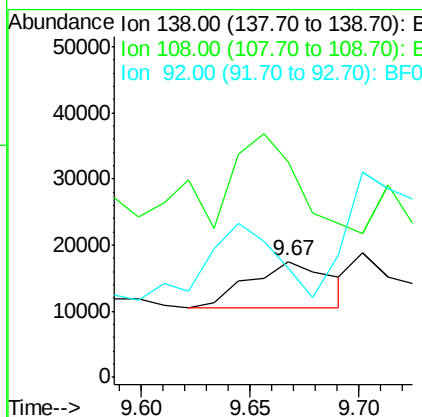
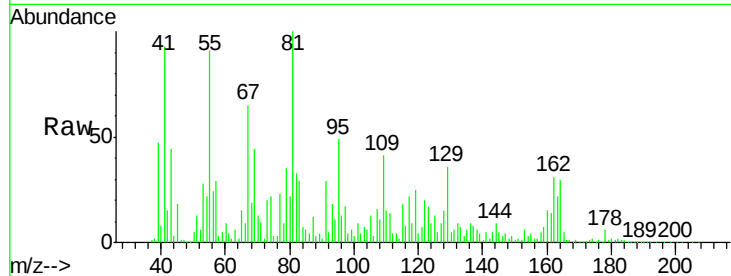




#52
 3-Nitroaniline
 Concen: 4.61 ng
 RT: 9.67 min Scan# 707
 Delta R.T. -0.03 min
 Lab File: BF087003.D
 Acq: 14 May 2016 7:02

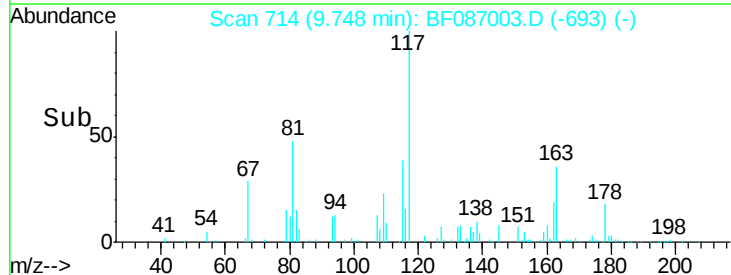
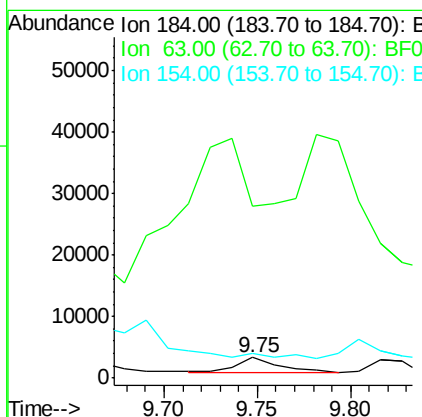
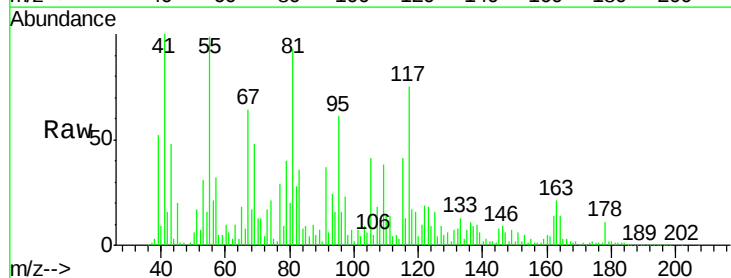
Instrument :
 BNA_F
 ClientSampled :
 MW-16

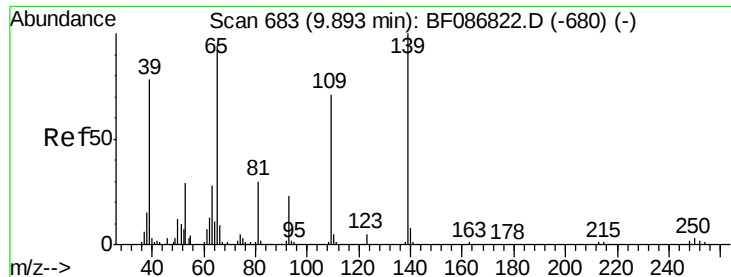
Tgt Ion:138 Resp: 17858
 Ion Ratio Lower Upper
 138 100
 108 185.6 7.8 11.6#
 92 93.6 87.8 131.8



#53
 2,4-Dinitrophenol
 Concen: 9.52 ng
 RT: 9.75 min Scan# 714
 Delta R.T. -0.07 min
 Lab File: BF087003.D
 Acq: 14 May 2016 7:02

Tgt Ion:184 Resp: 3796
 Ion Ratio Lower Upper
 184 100
 63 823.9 55.8 83.8#
 154 119.4 62.4 93.6#

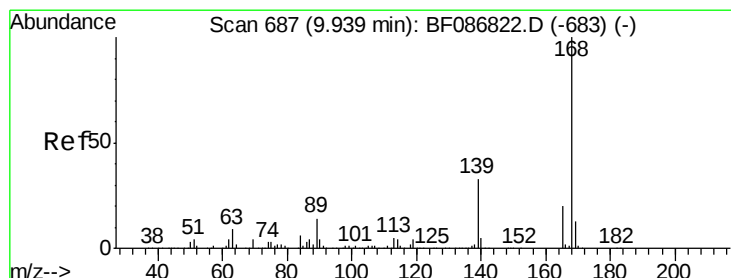
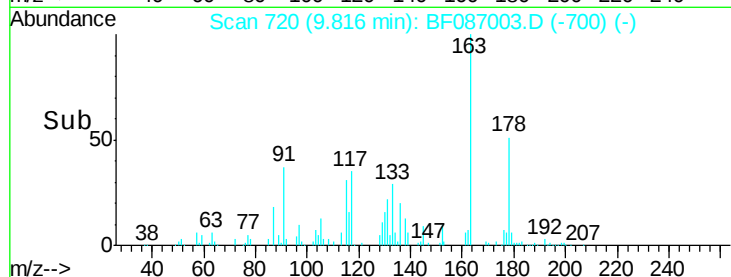
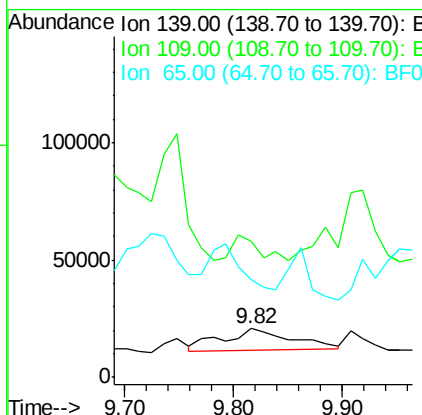
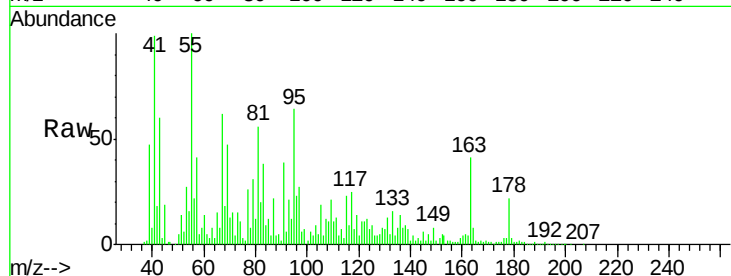




#55
 4-Nitrophenol
 Concen: 19.31 ng
 RT: 9.82 min Scan# 720
 Delta R.T. -0.08 min
 Lab File: BF087003.D
 Acq: 14 May 2016 7:02

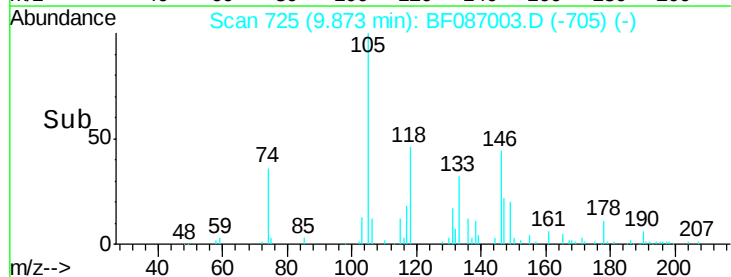
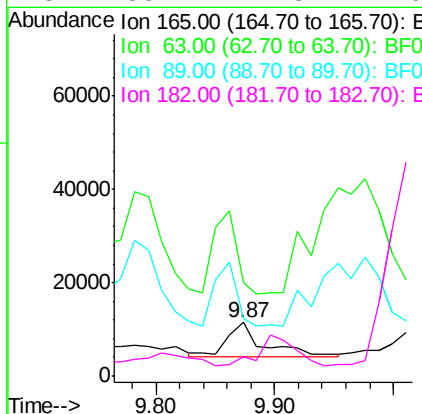
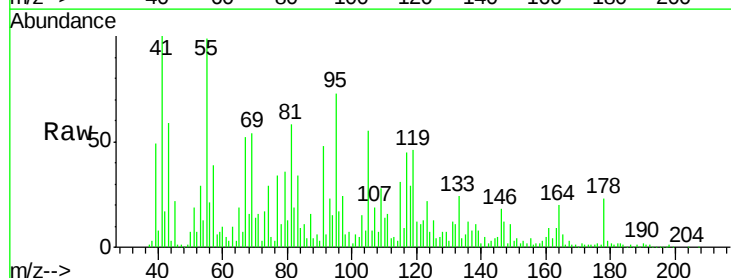
Instrument :
 BNA_F
 ClientSampleId :
 MW-16

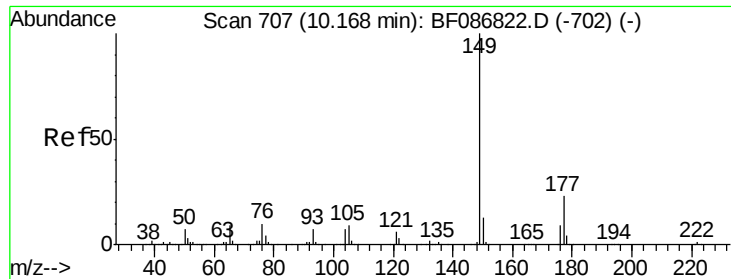
Tgt Ion:139 Resp: 40425
 Ion Ratio Lower Upper
 139 100
 109 281.4 36.9 76.9#
 65 200.3 64.0 104.0#



#56
 2,4-Dinitrotoluene
 Concen: 3.57 ng
 RT: 9.87 min Scan# 725
 Delta R.T. -0.07 min
 Lab File: BF087003.D
 Acq: 14 May 2016 7:02

Tgt Ion:165 Resp: 16257
 Ion Ratio Lower Upper
 165 100
 63 174.7 44.3 66.5#
 89 109.0 70.0 105.0#
 182 35.1 1.8 2.6#

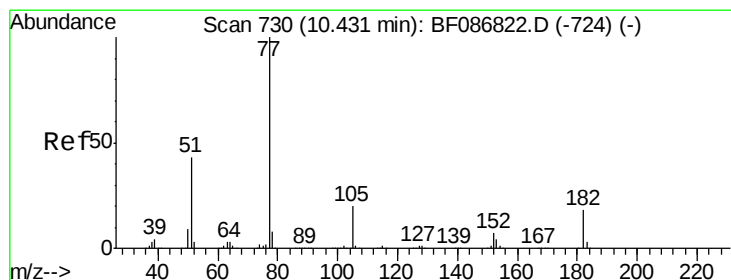
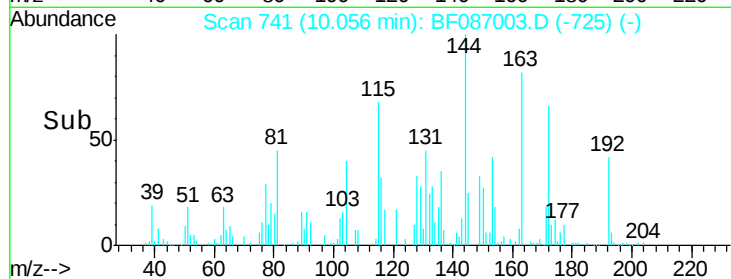
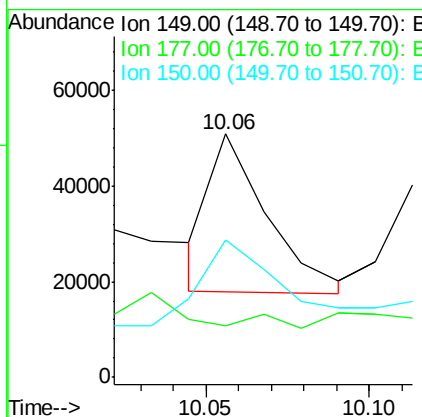
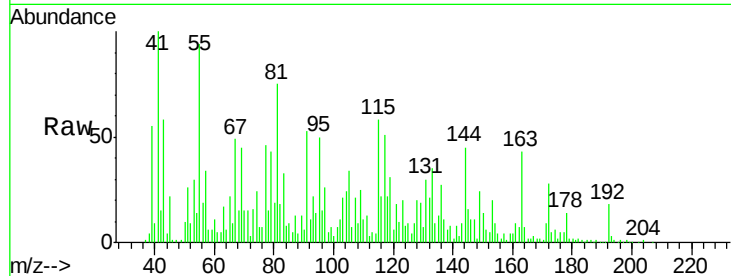




#59
Diethylphthalate
Concen: 2.34 ng
RT: 10.06 min Scan# 741
Delta R.T. -0.11 min
Lab File: BF087003.D
Acq: 14 May 2016 7:02

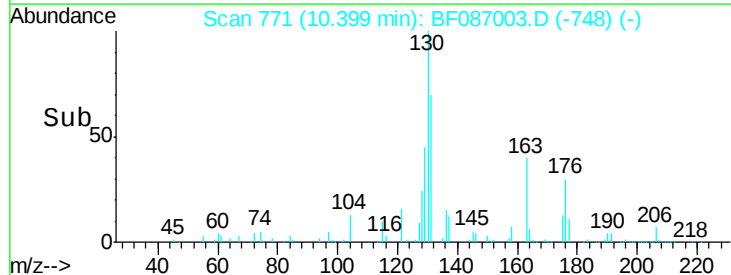
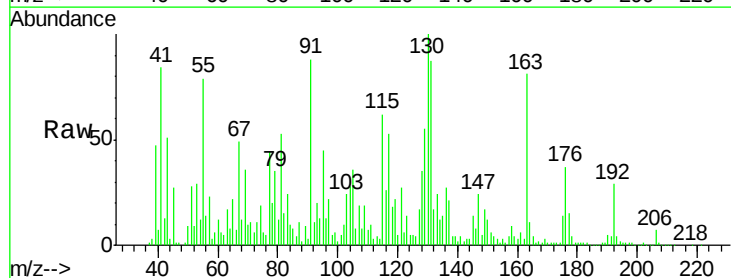
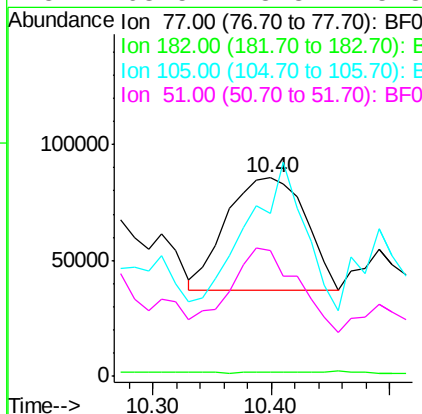
Instrument :
BNA_F
ClientSampled :
MW-16

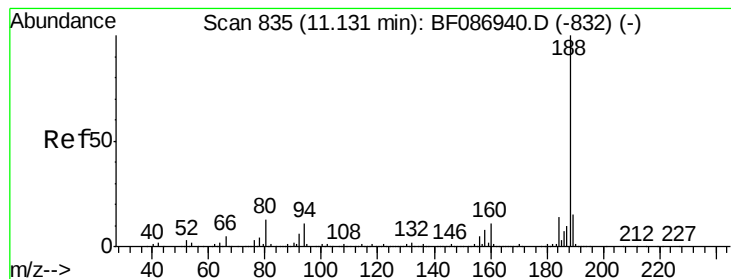
Tgt Ion: 149 Resp: 39880
Ion Ratio Lower Upper
149 100
177 21.0 16.6 24.8
150 56.7 10.0 15.0#



#62
Azobenzene
Concen: 12.13 ng
RT: 10.40 min Scan# 771
Delta R.T. -0.03 min
Lab File: BF087003.D
Acq: 14 May 2016 7:02

Tgt Ion: 77 Resp: 223136
Ion Ratio Lower Upper
77 100
182 1.7 0.0 38.8
105 81.8 3.2 43.2#
51 63.5 8.8 48.8#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.14 min Scan# 836

Delta R.T. -0.07 min

Lab File: BF087003.D

Acq: 14 May 2016 7:02

Instrument :

BNA_F

ClientSampleId :

MW-16

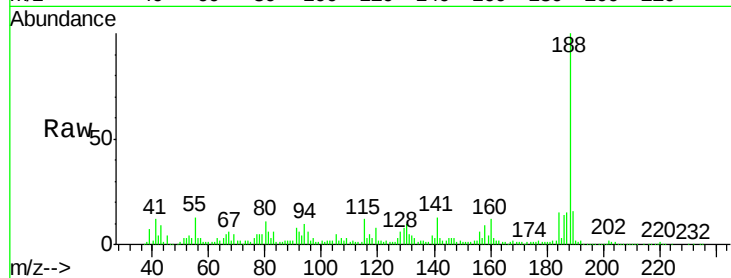
Tgt Ion:188 Resp: 461306

Ion Ratio Lower Upper

188 100

94 10.2 6.8 10.2

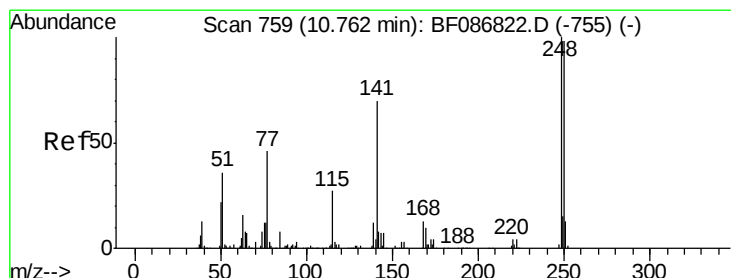
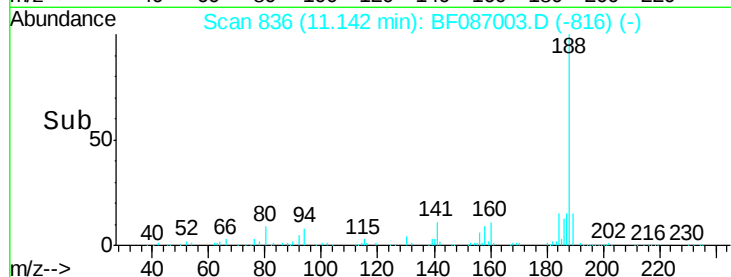
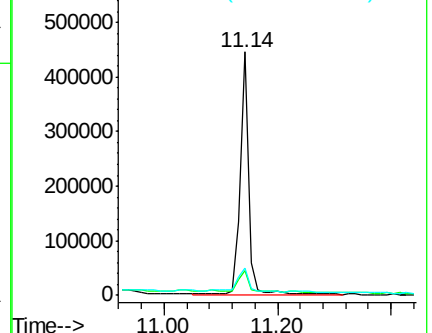
80 11.3 7.1 10.7#



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: 5.01 ng

RT: 10.47 min Scan# 777

Delta R.T. -0.29 min

Lab File: BF087003.D

Acq: 14 May 2016 7:02

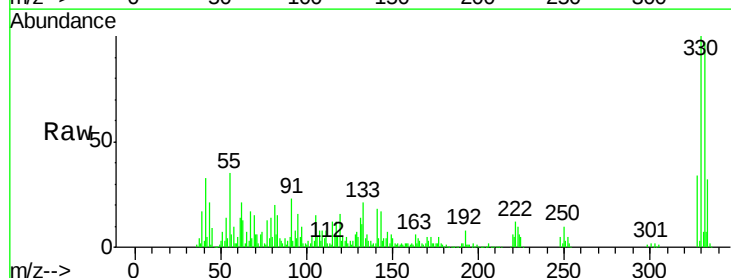
Tgt Ion:248 Resp: 23448

Ion Ratio Lower Upper

248 100

250 194.7 78.6 117.8#

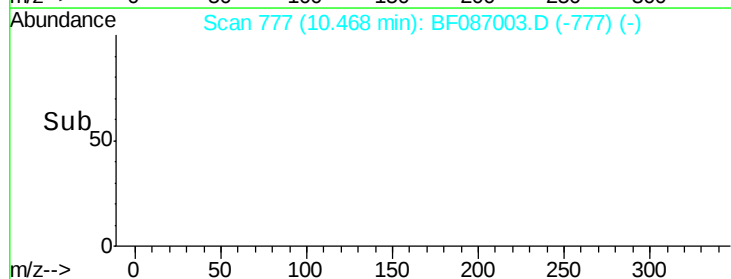
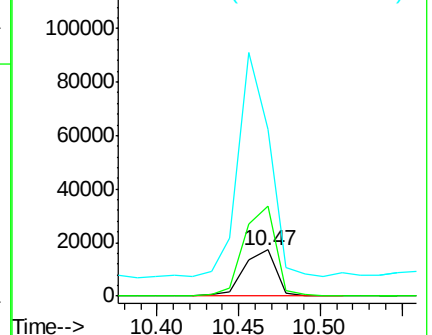
141 361.0 76.0 114.0#

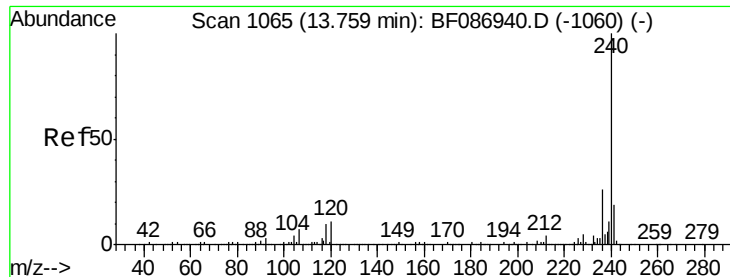


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.09 min

Lab File: BF087003.D

Acq: 14 May 2016 7:02

Instrument :

BNA_F

ClientSampleId :

MW-16

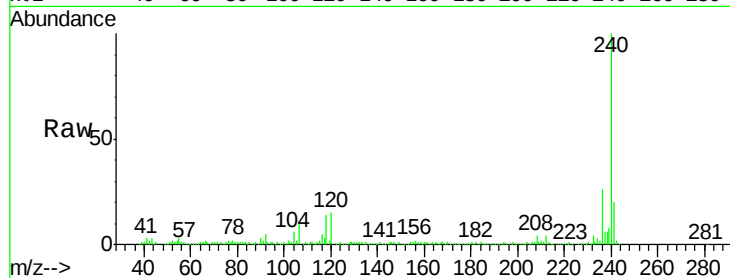
Tgt Ion:240 Resp: 309587

Ion Ratio Lower Upper

240 100

120 15.5 11.2 16.8

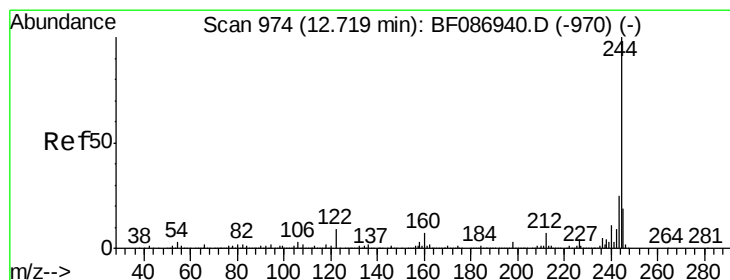
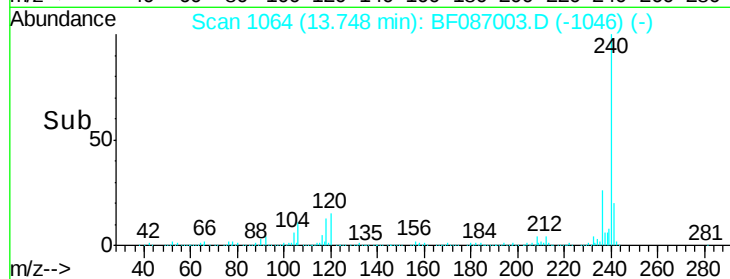
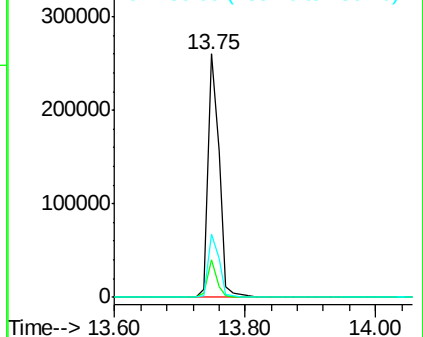
236 26.2 21.2 31.8



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



#78

Terphenyl-d14

Concen: 89.38 ng

RT: 12.72 min Scan# 974

Delta R.T. -0.08 min

Lab File: BF087003.D

Acq: 14 May 2016 7:02

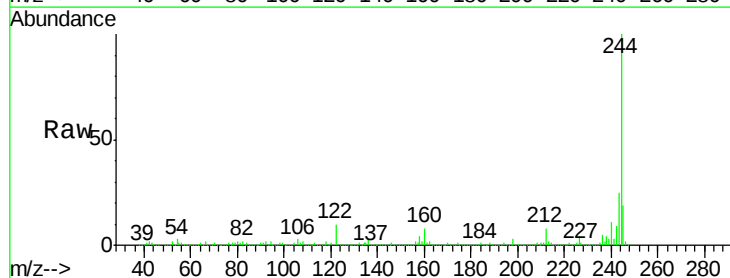
Tgt Ion:244 Resp: 1304219

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

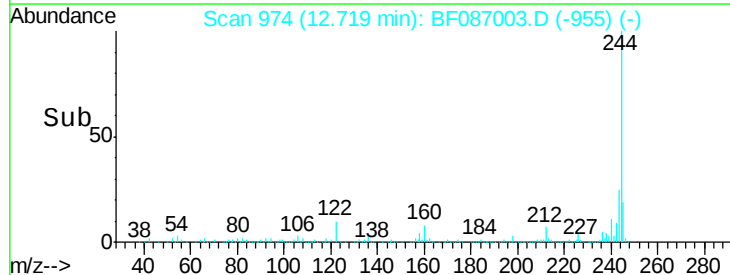
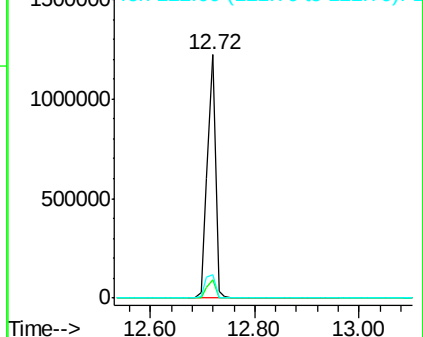
122 9.8 12.0 18.0#

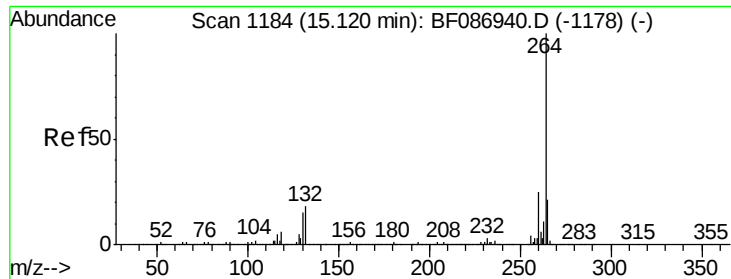


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 1183
Delta R.T. -0.10 min
Lab File: BF087003.D
Acq: 14 May 2016 7:02

Instrument :
BNA_F
ClientSampleId :
MW-16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	21.8	17.3	25.9

