

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050616\
 Data File : BF086744.D
 Acq On : 7 May 2016 00:52
 Operator : UM/SJ
 Sample : H2770-09
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 07 03:28:53 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 07 03:18:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	170888	40.00	ng	0.00
21) Naphthalene-d8	8.00	136	651018	40.00	ng	0.00
38) Acenaphthene-d10	9.74	164	296204	40.00	ng	0.00
63) Phenanthrene-d10	11.22	188	462490	40.00	ng	-0.01
75) Chrysene-d12	13.85	240	334550	40.00	ng	-0.01
86) Perylene-d12	15.23	264	284558	40.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	678325	65.71	ng	-0.01
7) Phenol-d6	6.36	99	561926	40.41	ng	-0.02
23) Nitrobenzene-d5	7.28	82	1269090	100.17	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	480575	165.86	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1807438	100.03	ng	-0.01
78) Terphenyl-d14	12.81	244	1320088	79.75	ng	0.00

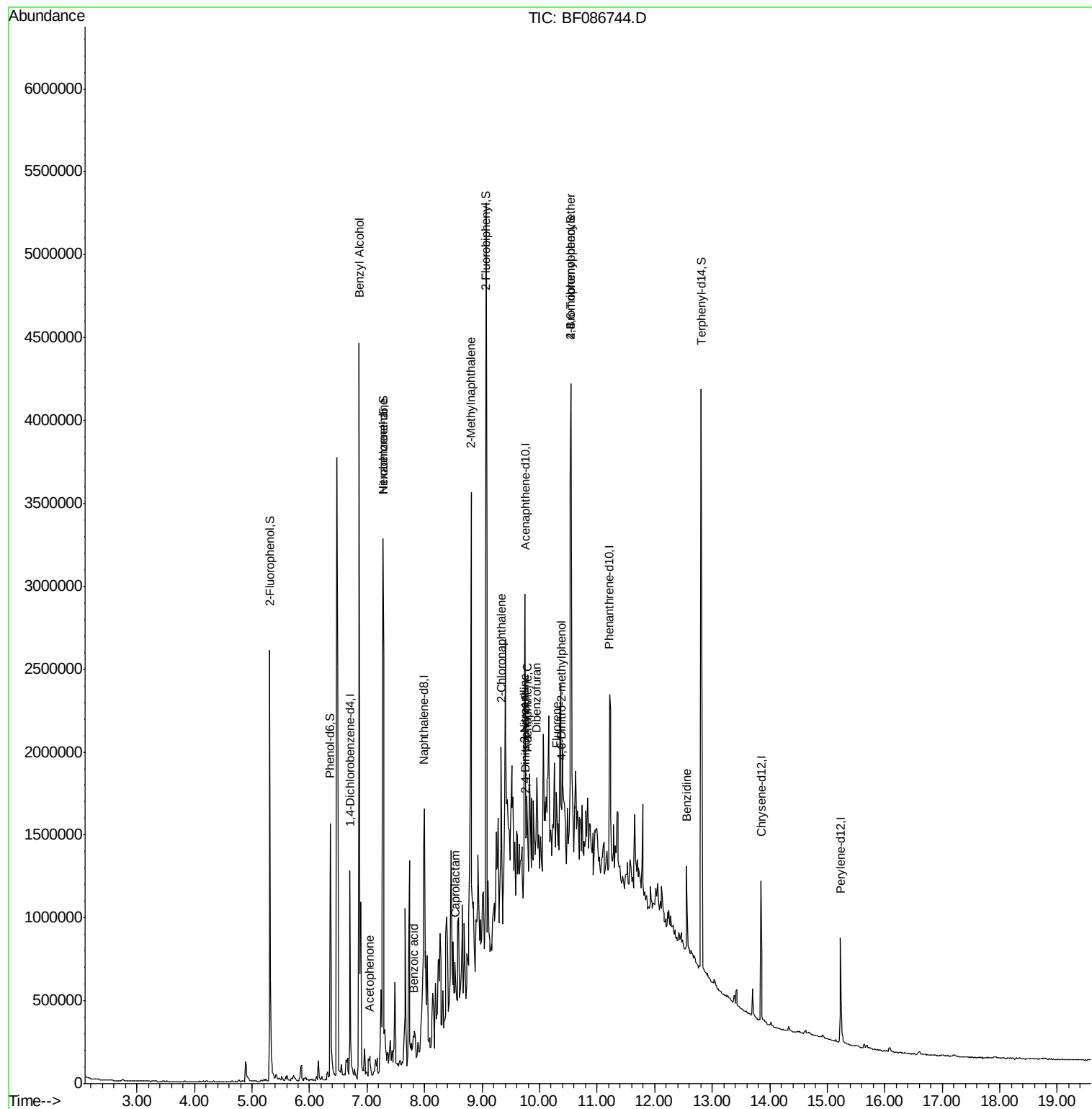
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.86	79	29342	3.26	ng	# 40
18) Hexachloroethane	7.28	117	286072	55.72	ng	# 7
22) Acetophenone	7.05	105	41316	2.72	ng	# 70
32) Benzoic acid	7.81	122	1496	8.72	ng	# 1
35) Caprolactam	8.53	113	19115	7.00	ng	# 1
37) 2-Methylnaphthalene	8.81	142	748119	38.12	ng	# 93
46) 2-Chloronaphthalene	9.33	162	54319	2.91	ng	# 94
51) Acenaphthene	9.78	154	80760	4.41	ng	# 95
52) 3-Nitroaniline	9.73	138	30828	5.72	ng	# 13
53) 2,4-Dinitrophenol	9.76	184	1743	10.31	ng	# 1
54) Dibenzofuran	9.95	168	57282	2.53	ng	# 79
57) Fluorene	10.29	166	94441	5.14	ng	# 96
64) 4,6-Dinitro-2-methylphenol	10.37	198	795	5.60	ng	# 1
66) 4-Bromophenyl-phenylether	10.54	248	27629	6.01	ng	# 1
76) Benzidine	12.56	184	1086	7.19	ng	# 1

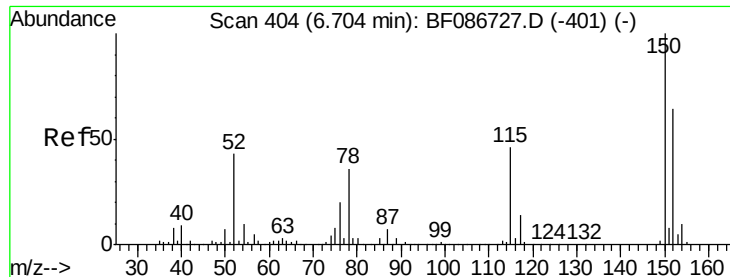
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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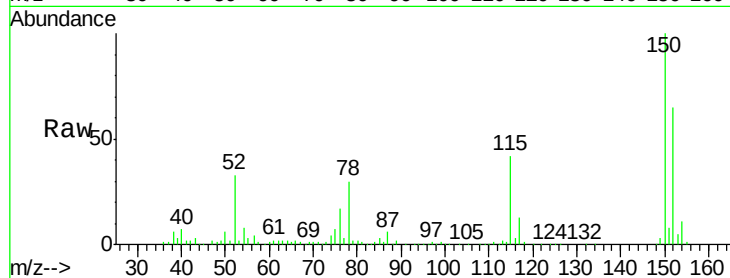


#1

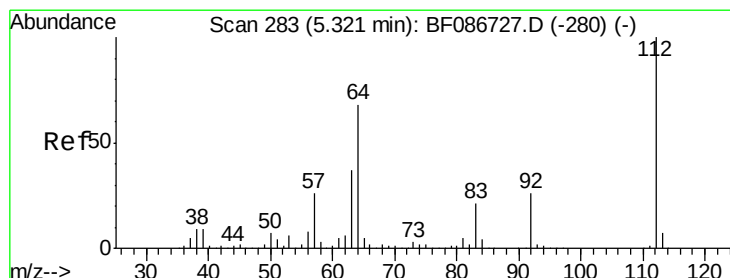
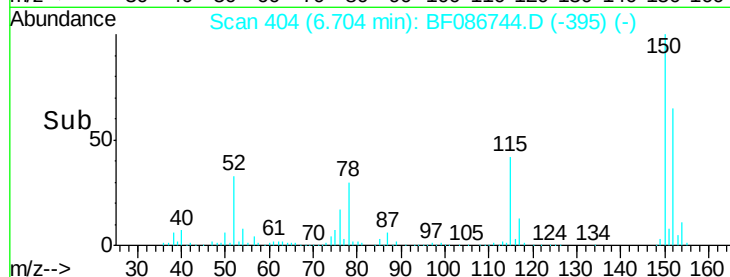
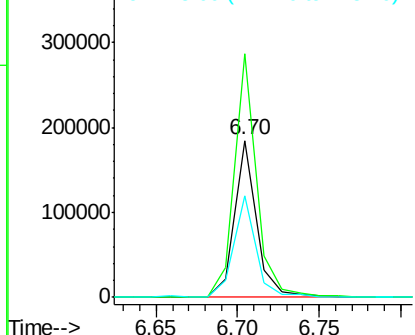
1,4-Dichlorobenzene-d4
Concen: 40.00 ng
RT: 6.70 min Scan# 404
Delta R.T. -0.00 min
Lab File: BF086744.D
Acq: 7 May 2016 00:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 170888
Ion Ratio Lower Upper
152 100
150 155.0 125.8 188.6
115 64.5 51.5 77.3



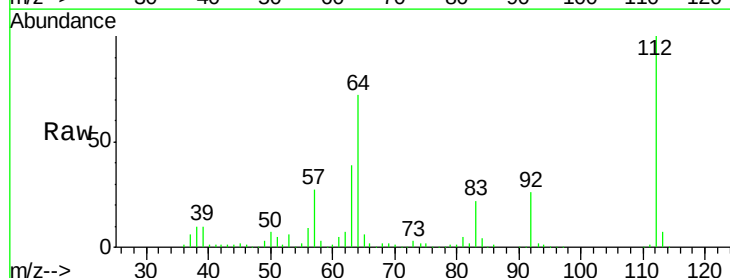
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



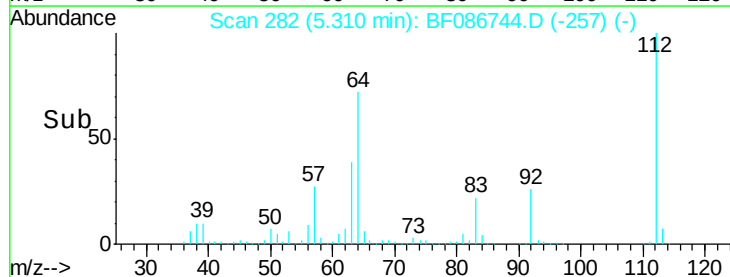
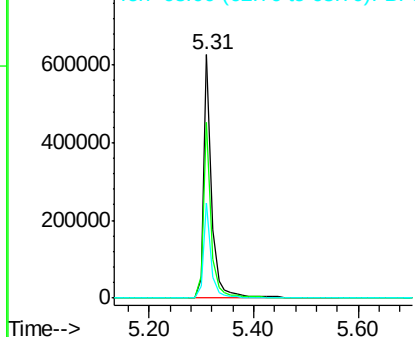
#5

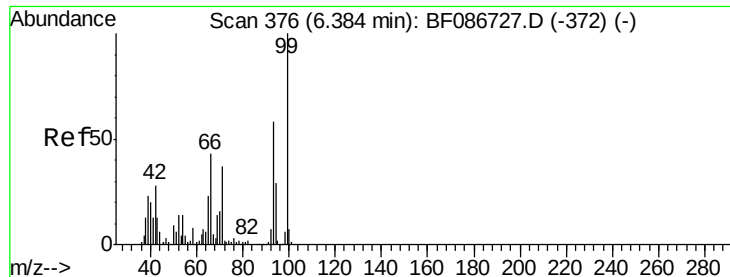
2-Fluorophenol
Concen: 65.71 ng
RT: 5.31 min Scan# 282
Delta R.T. -0.01 min
Lab File: BF086744.D
Acq: 7 May 2016 00:52

Tgt Ion:112 Resp: 678325
Ion Ratio Lower Upper
112 100
64 72.1 52.1 78.1
63 39.2 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





#7

Phenol-d6

Concen: 40.41 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.02 min

Lab File: BF086744.D

Acq: 7 May 2016 00:52

Instrument :

BNA_F

ClientSampleId :

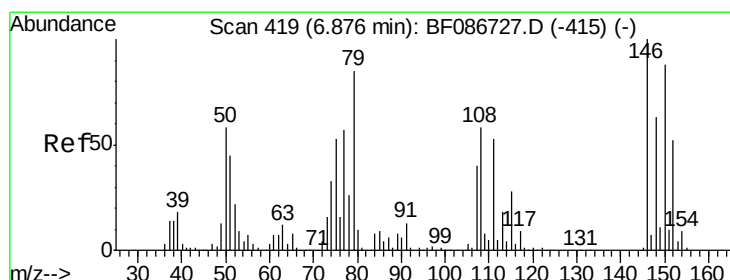
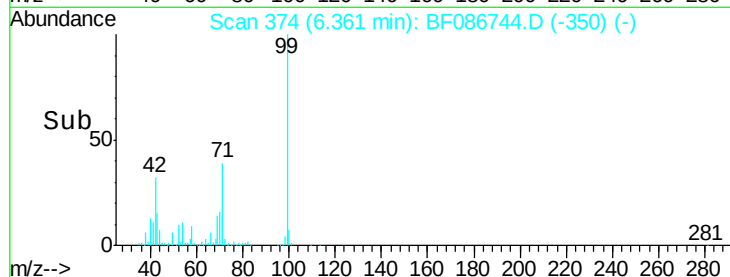
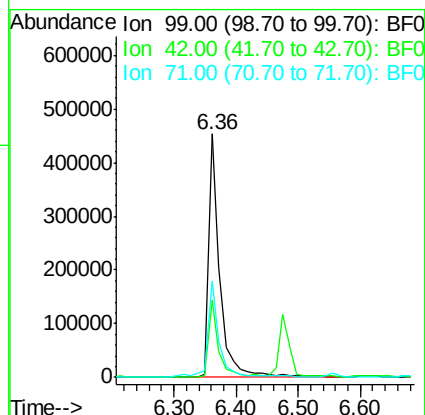
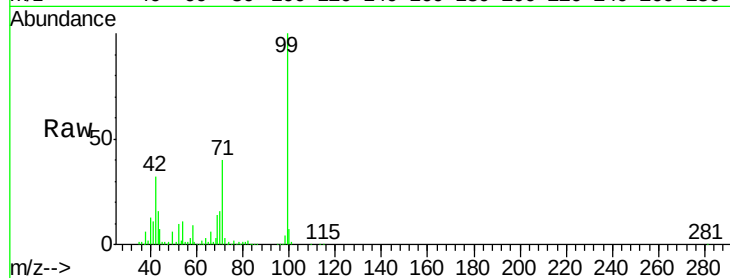
Tot Ion: 99 Resp: 561926

Ion Ratio Lower Upper

99 100

42 31.8 13.6 20.4#

71 39.5 24.6 36.8#



#15

Benzyl Alcohol

Concen: 3.26 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.01 min

Lab File: BF086744.D

Acq: 7 May 2016 00:52

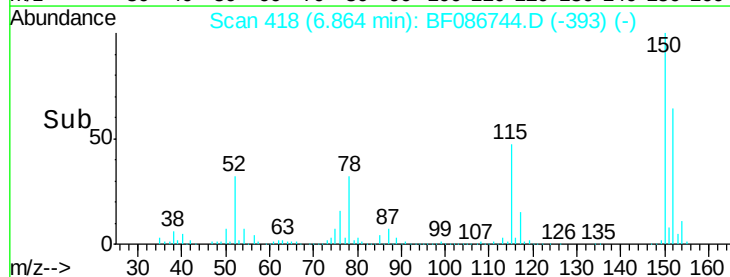
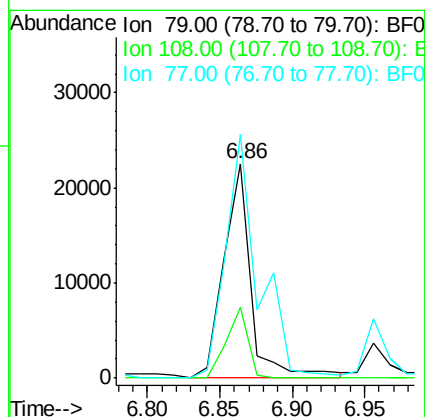
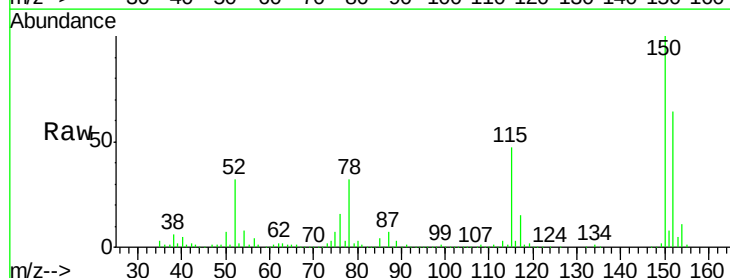
Tgt Ion: 79 Resp: 29342

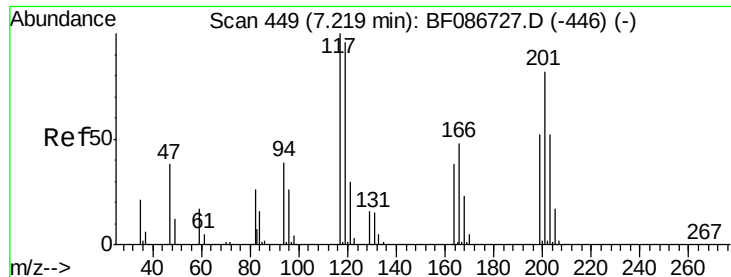
Ion Ratio Lower Upper

79 100

108 33.1 68.4 102.6#

77 113.5 50.6 76.0#

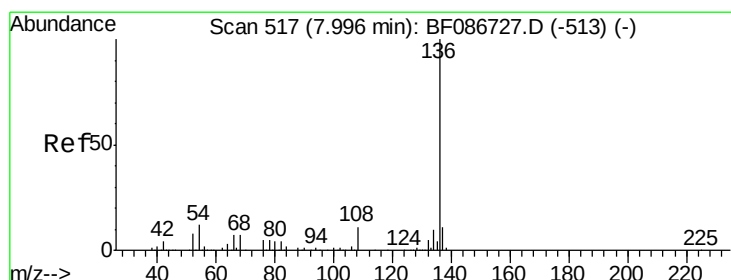
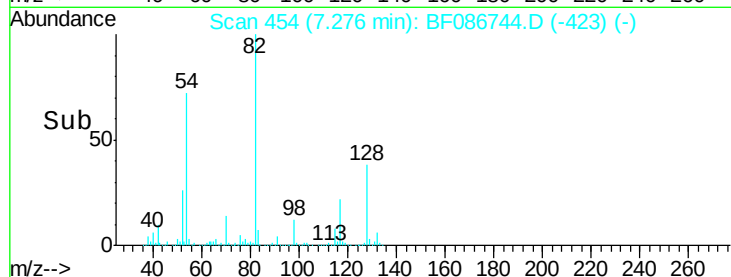
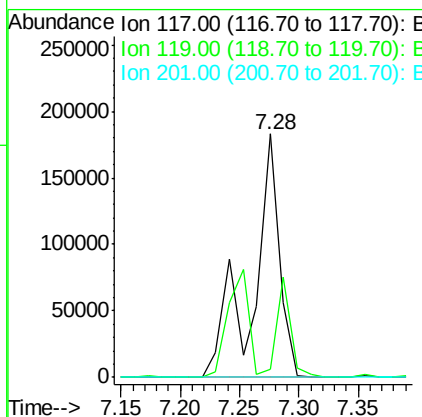
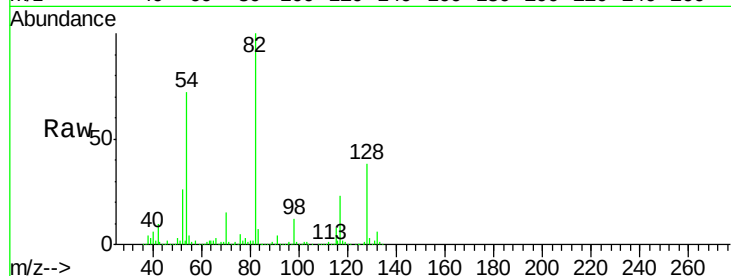




#18
Hexachloroethane
Concen: 55.72 ng
RT: 7.28 min Scan# 454
Delta R.T. 0.06 min
Lab File: BF086744.D
Acq: 7 May 2016 00:52

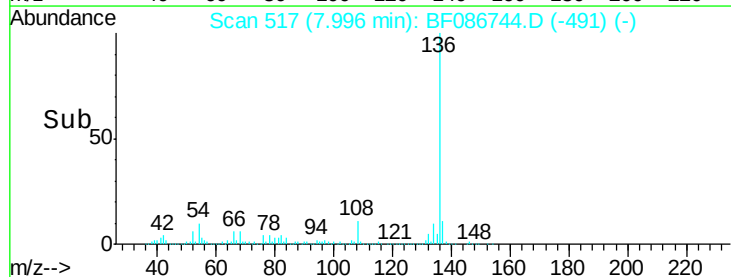
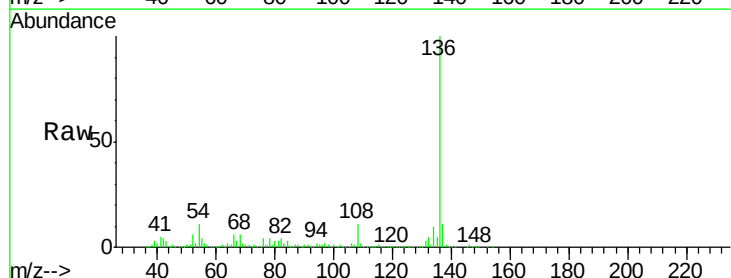
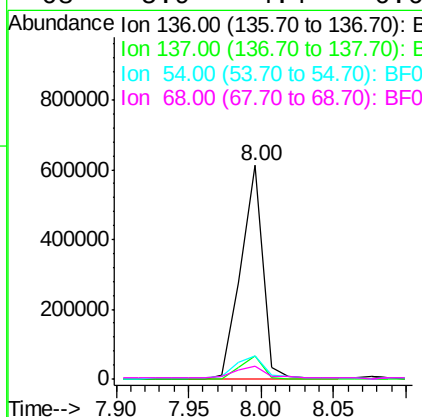
Instrument :
BNA_F
ClientSampled :

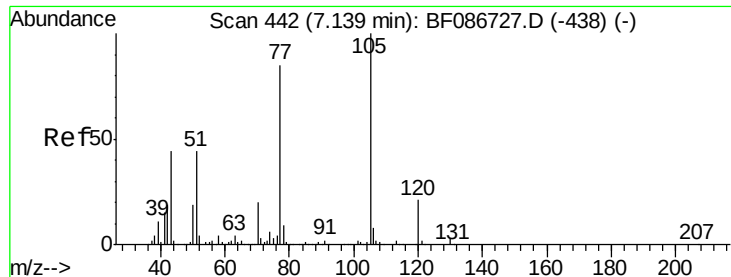
Tot Ion:117 Resp: 286072
Ion Ratio Lower Upper
117 100
119 3.4 76.5 114.7#
201 0.0 63.0 94.6#



#21
Naphthalene-d8
Concen: 40.00 ng
RT: 8.00 min Scan# 517
Delta R.T. -0.00 min
Lab File: BF086744.D
Acq: 7 May 2016 00:52

Tgt Ion:136 Resp: 651018
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 10.7 5.0 7.4#
68 5.9 4.4 6.6





#22

Acetophenone

Concen: 2.72 ng

RT: 7.05 min Scan# 434

Delta R.T. -0.09 min

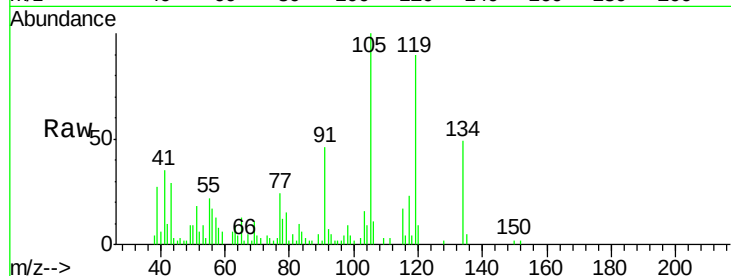
Lab File: BF086744.D

Acq: 7 May 2016 00:52

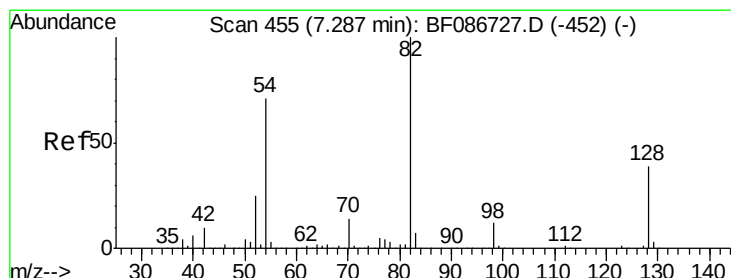
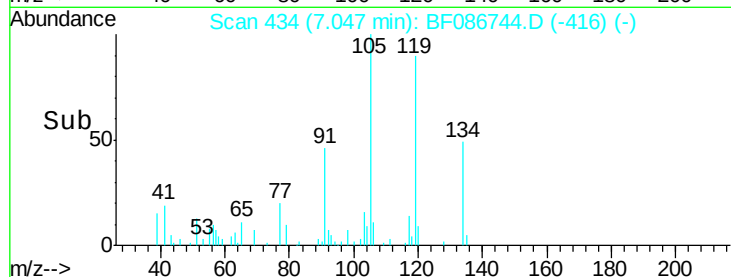
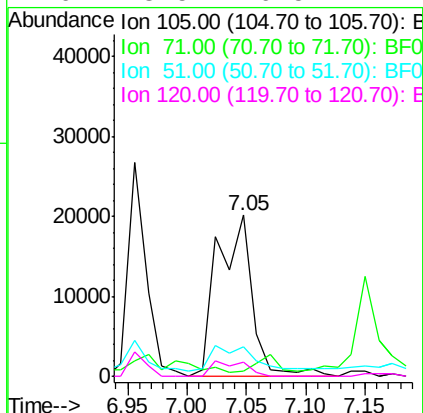
Instrument :

BNA_F

ClientSampled :



Tot Ion:	105	Resp:	41316
Ion	Ratio	Lower	Upper
105	100		
71	3.3	4.8	7.2#
51	18.4	32.6	49.0#
120	8.5	16.5	24.7#



#23

Nitrobenzene-d5

Concen: 100.17 ng

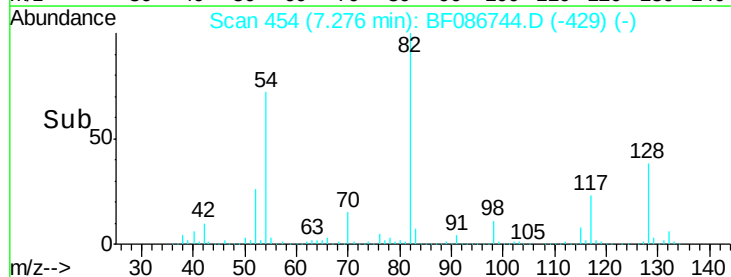
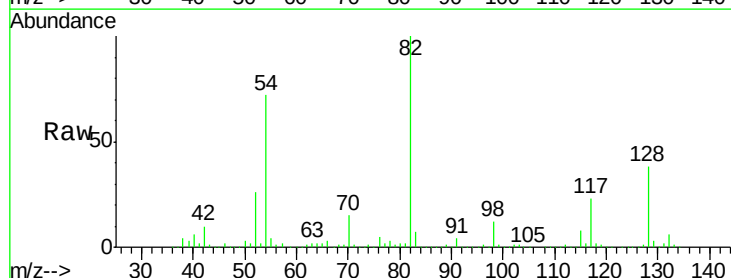
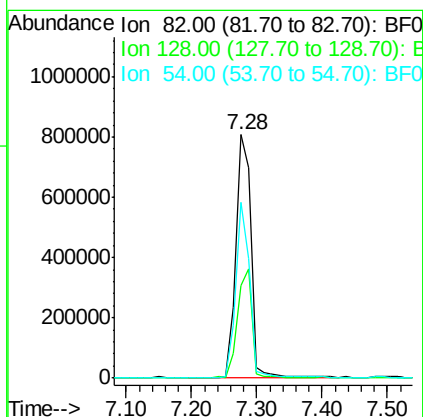
RT: 7.28 min Scan# 454

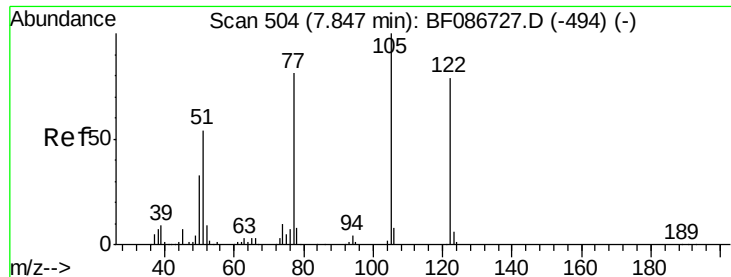
Delta R.T. -0.01 min

Lab File: BF086744.D

Acq: 7 May 2016 00:52

Tgt Ion:	82	Resp:	1269090
Ion	Ratio	Lower	Upper
82	100		
128	38.2	40.6	61.0#
54	72.1	38.1	57.1#





#32

Benzoic acid

Concen: 8.72 ng

RT: 7.81 min Scan# 501

Delta R.T. -0.03 min

Lab File: BF086744.D

Acq: 7 May 2016 00:52

Instrument :

BNA_F

ClientSampleId :

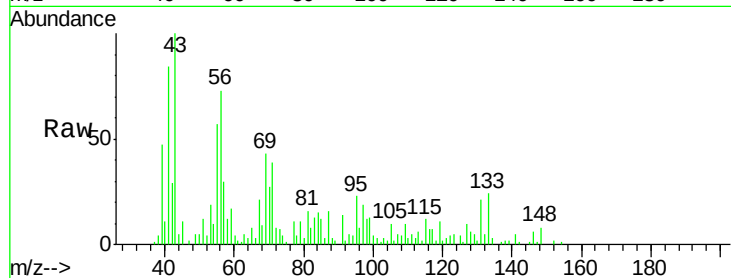
Tot Ion:122 Resp: 1496

Ion Ratio Lower Upper

122 100

105 255.1 92.6 132.6#

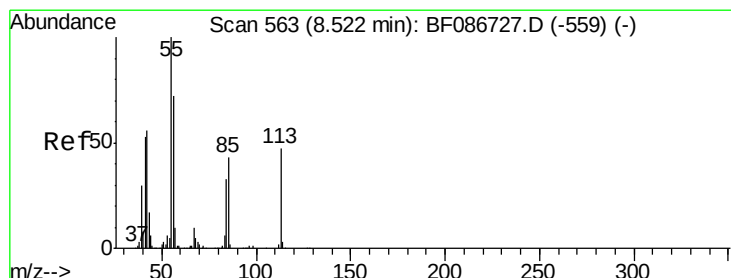
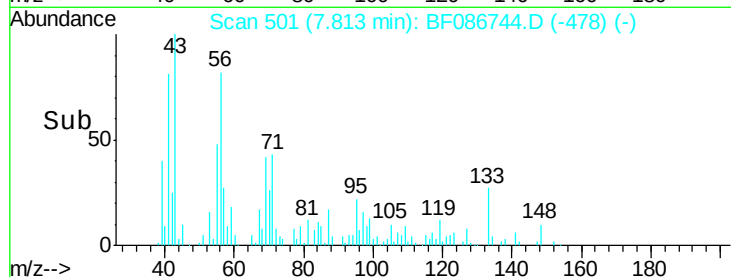
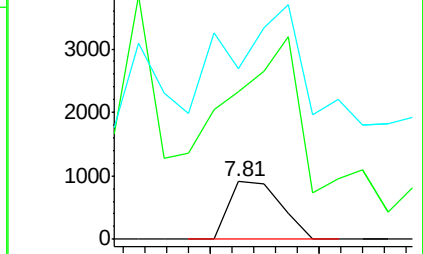
77 296.8 60.0 100.0#



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



#35

Caprolactam

Concen: 7.00 ng

RT: 8.53 min Scan# 564

Delta R.T. 0.01 min

Lab File: BF086744.D

Acq: 7 May 2016 00:52

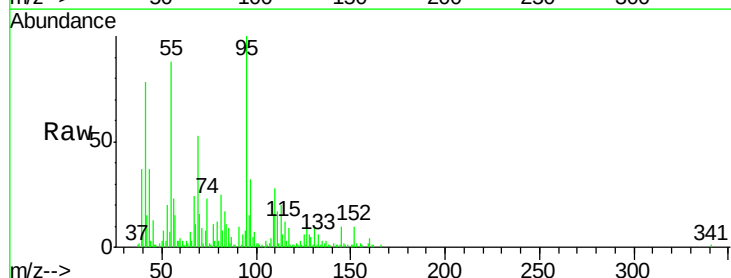
Tgt Ion:113 Resp: 19115

Ion Ratio Lower Upper

113 100

55 441.9 162.0 202.0#

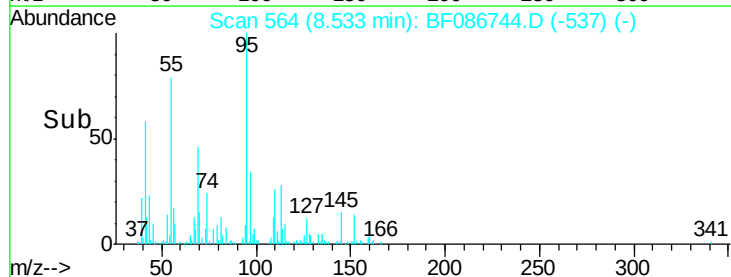
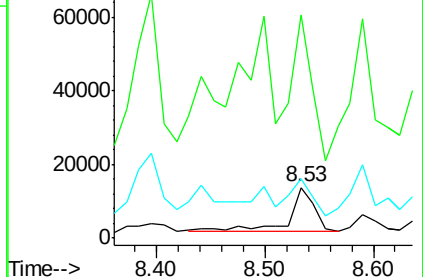
56 117.1 115.3 155.3

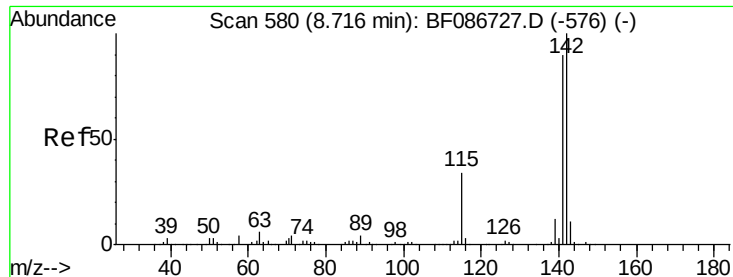


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0

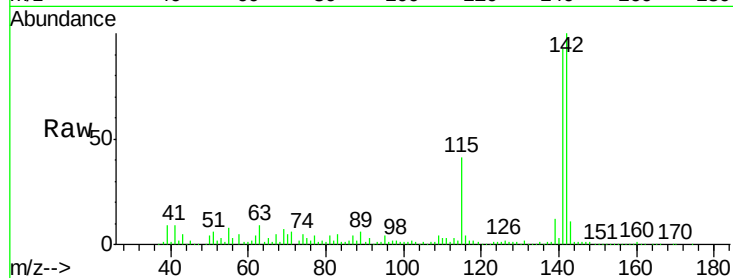




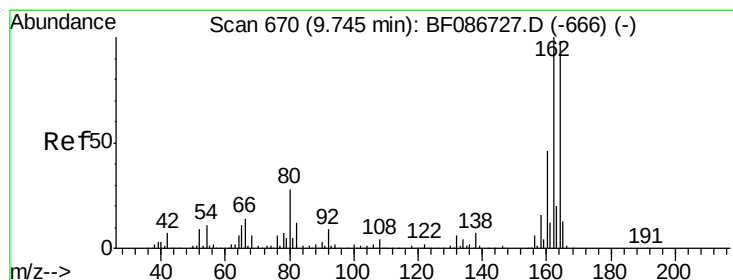
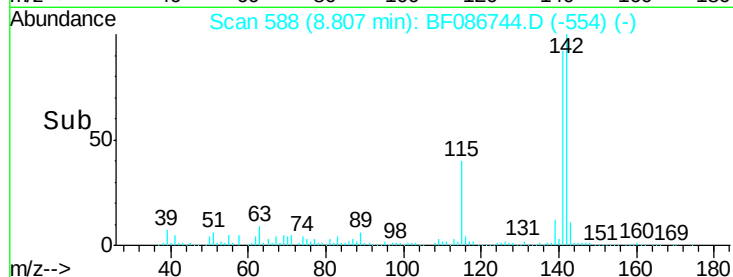
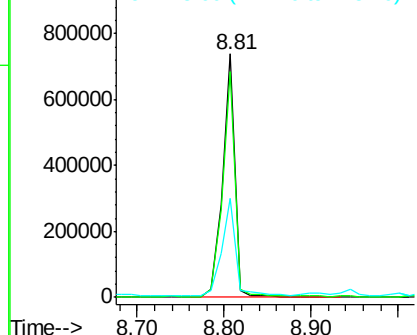
#37
2-Methylnaphthalene
Concen: 38.12 ng
RT: 8.81 min Scan# 588
Delta R.T. 0.09 min
Lab File: BF086744.D
Acq: 7 May 2016 00:52

Instrument :
BNA_F
ClientSampled :

Tot Ion:142 Resp: 748119
Ion Ratio Lower Upper
142 100
141 92.7 71.0 106.6
115 40.5 26.6 39.8#

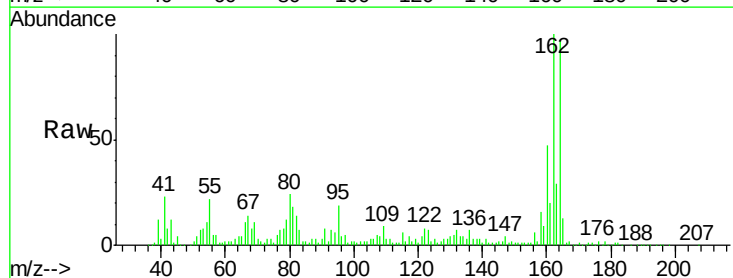


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

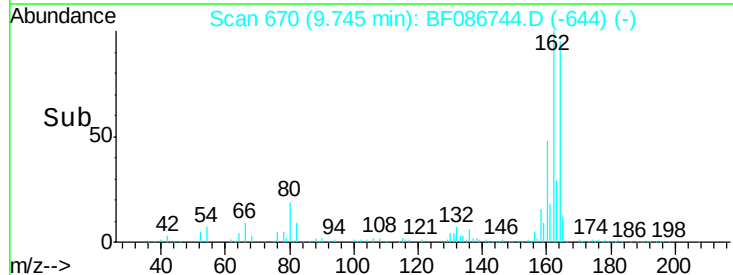
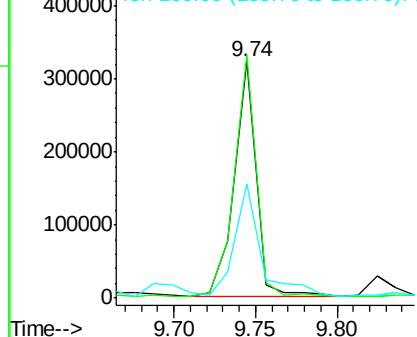


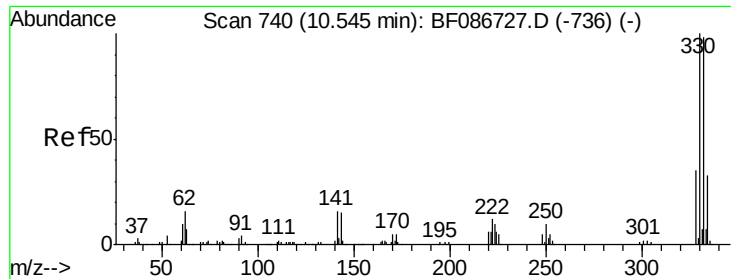
#38
Acenaphthene-d10
Concen: 40.00 ng
RT: 9.74 min Scan# 670
Delta R.T. -0.00 min
Lab File: BF086744.D
Acq: 7 May 2016 00:52

Tgt Ion:164 Resp: 296204
Ion Ratio Lower Upper
164 100
162 102.8 82.8 124.2
160 48.4 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

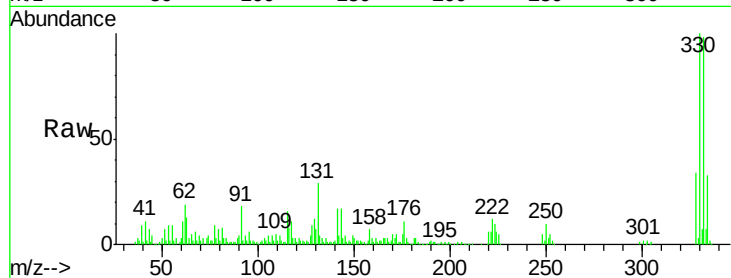




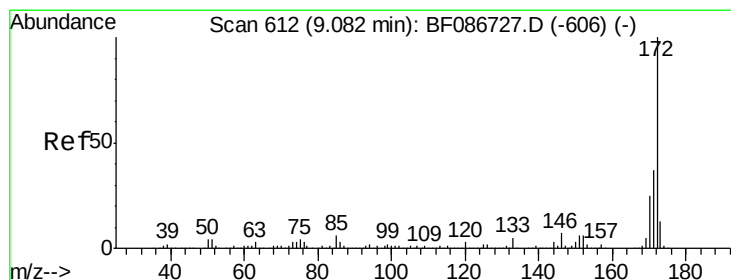
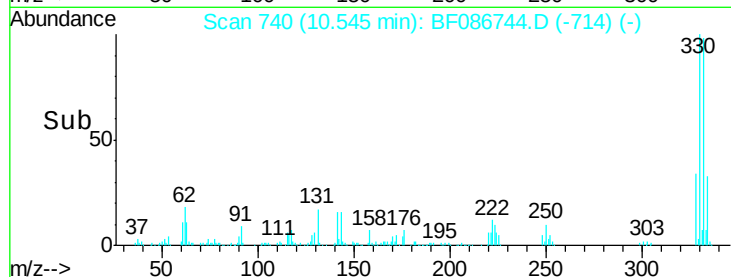
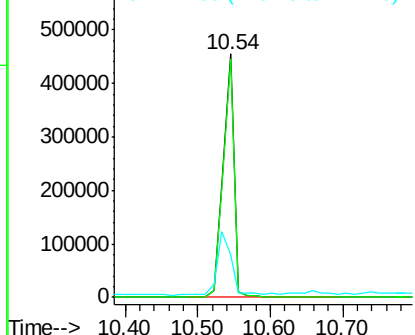
#41
 2,4,6-Tribromophenol
 Concen: 165.86 ng
 RT: 10.54 min Scan# 740
 Delta R.T. -0.00 min
 Lab File: BF086744.D
 Acq: 7 May 2016 00:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 480575
 Ion Ratio Lower Upper
 330 100
 332 97.3 79.0 118.4
 141 32.9 31.2 46.8

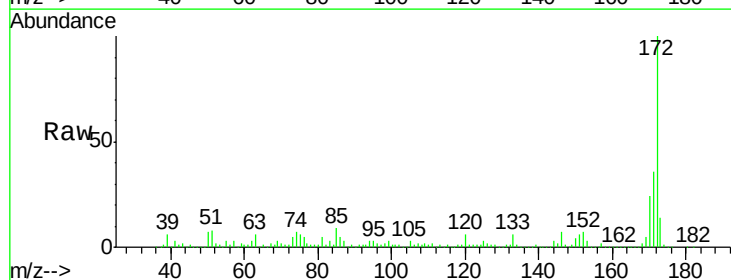


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

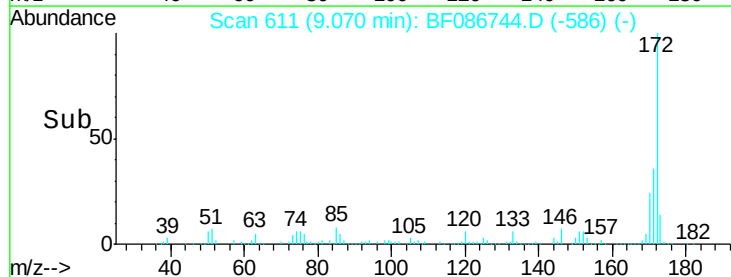
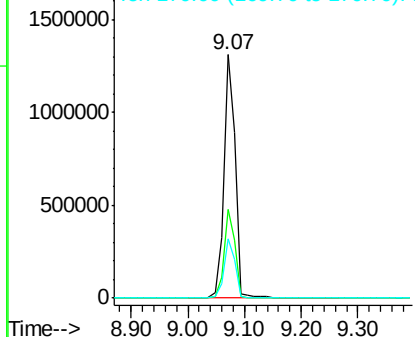


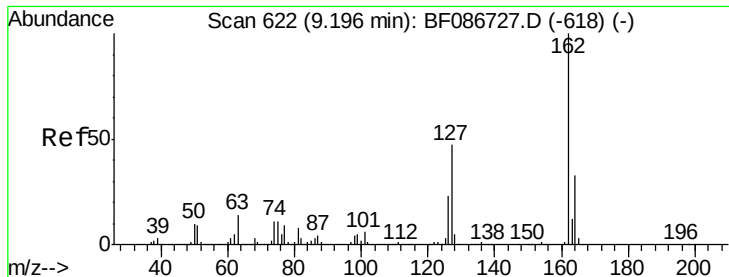
#44
 2-Fluorobiphenyl
 Concen: 100.03 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF086744.D
 Acq: 7 May 2016 00:52

Tgt Ion:172 Resp: 1807438
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.0 43.6
 170 24.4 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

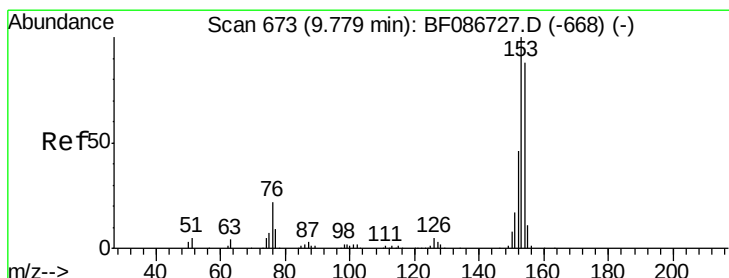
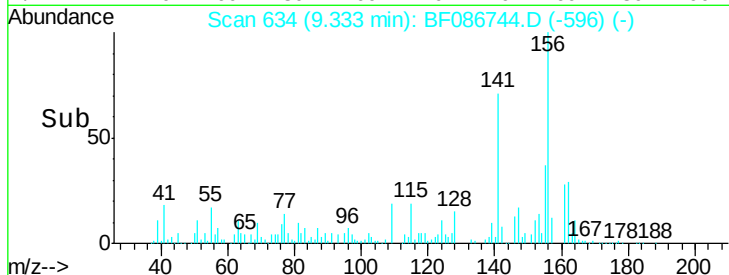
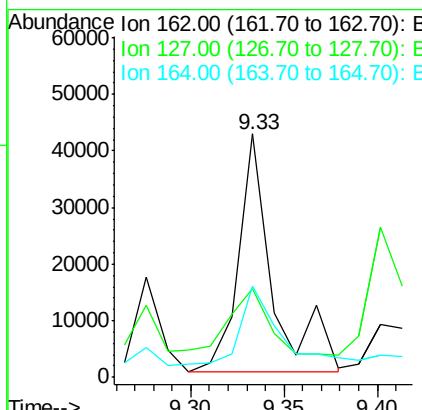
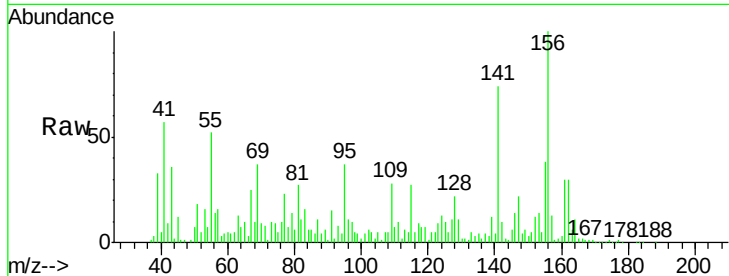




#46
 2-Chloronaphthalene
 Concen: 2.91 ng
 RT: 9.33 min Scan# 634
 Delta R.T. 0.14 min
 Lab File: BF086744.D
 Acq: 7 May 2016 00:52

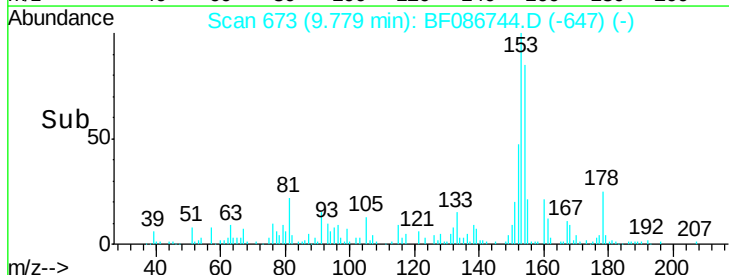
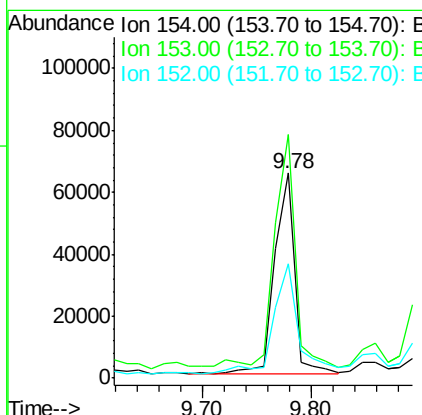
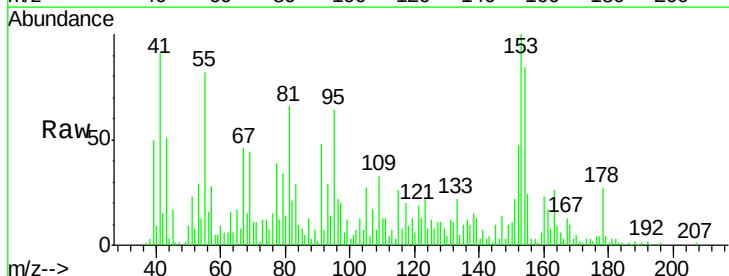
Instrument :
 BNA_F
 ClientSampleId :

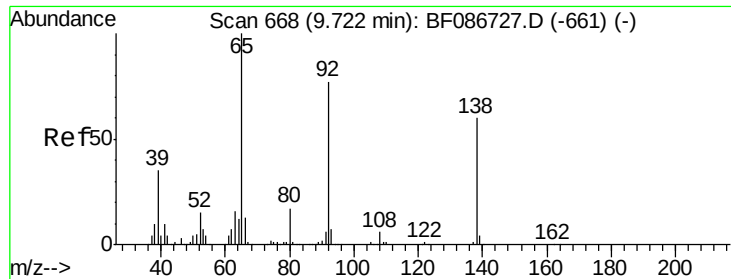
Tot Ion:162 Resp: 54319
 Ion Ratio Lower Upper
 162 100
 127 36.6 31.8 47.6
 164 37.6 27.0 40.6



#51
 Acenaphthene
 Concen: 4.41 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.00 min
 Lab File: BF086744.D
 Acq: 7 May 2016 00:52

Tgt Ion:154 Resp: 80760
 Ion Ratio Lower Upper
 154 100
 153 118.8 89.8 134.6
 152 55.6 43.4 65.0





#52

3-Nitroaniline

Concen: 5.72 ng

RT: 9.73 min Scan# 669

Delta R.T. 0.01 min

Lab File: BF086744.D

Acq: 7 May 2016 00:52

Instrument :

BNA_F

ClientSampled :

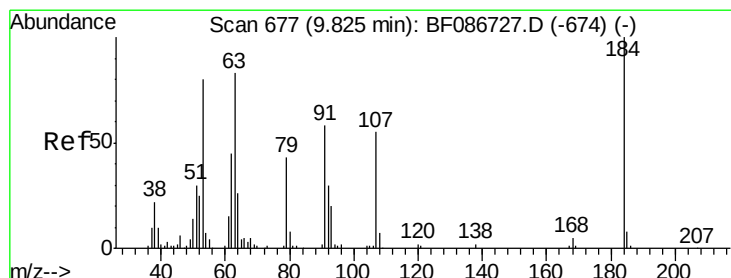
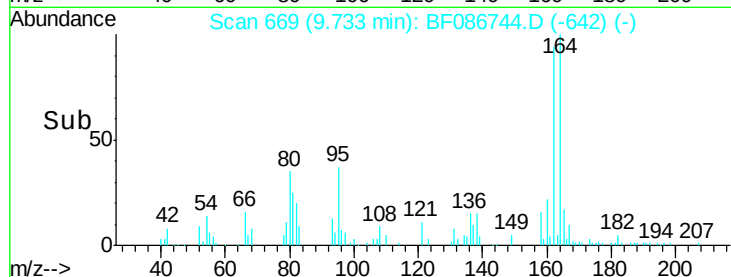
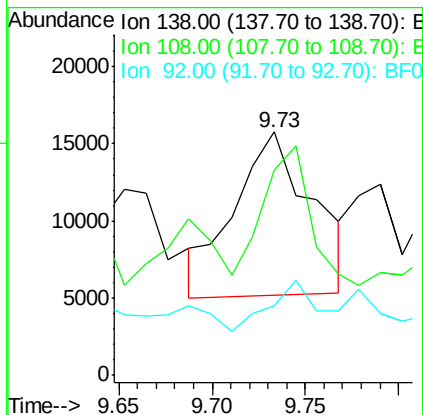
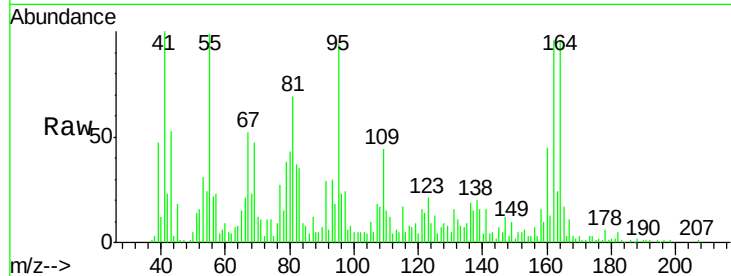
Tot Ion:138 Resp: 30828

Ion Ratio Lower Upper

138 100

108 84.2 7.8 11.6#

92 28.6 87.8 131.8#



#53

2,4-Dinitrophenol

Concen: 10.31 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.07 min

Lab File: BF086744.D

Acq: 7 May 2016 00:52

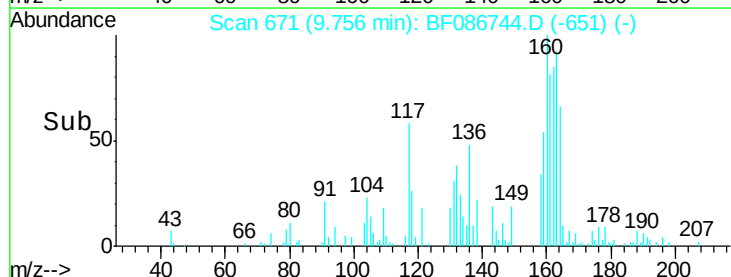
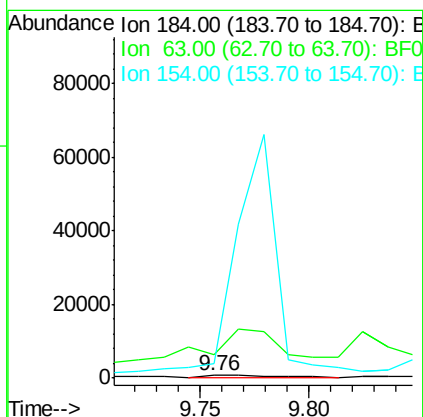
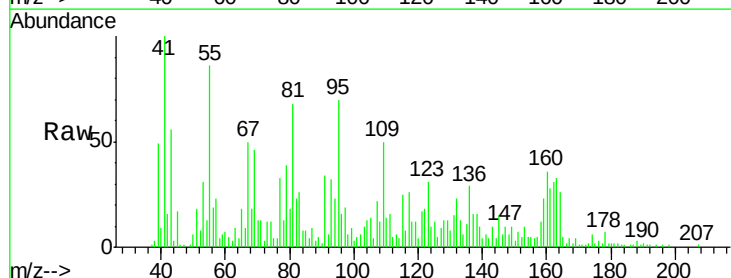
Tgt Ion:184 Resp: 1743

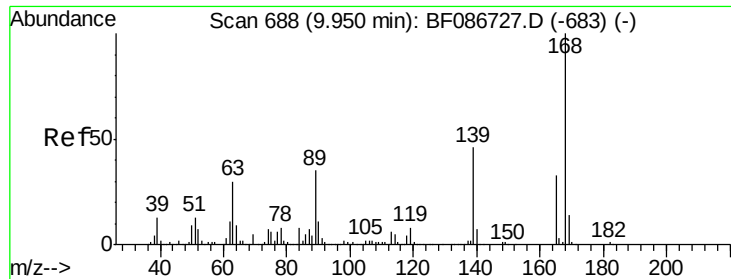
Ion Ratio Lower Upper

184 100

63 1019.2 55.8 83.8#

154 596.7 62.4 93.6#

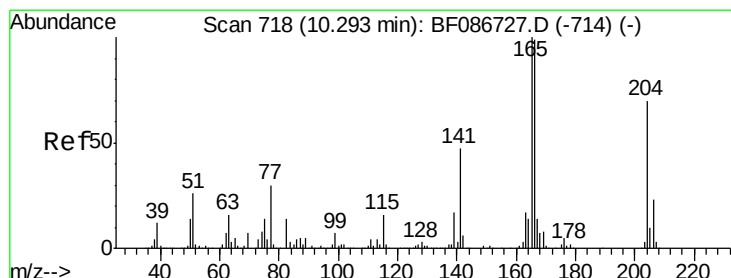
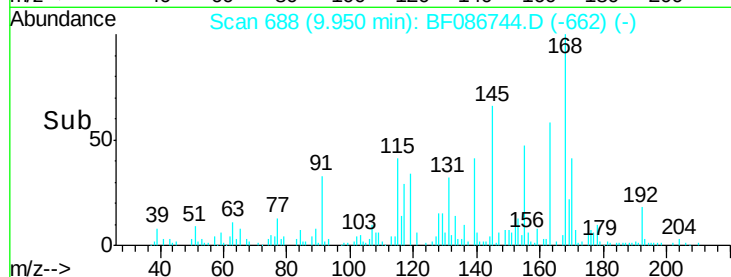
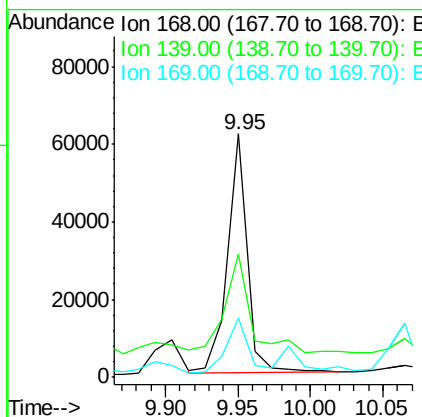
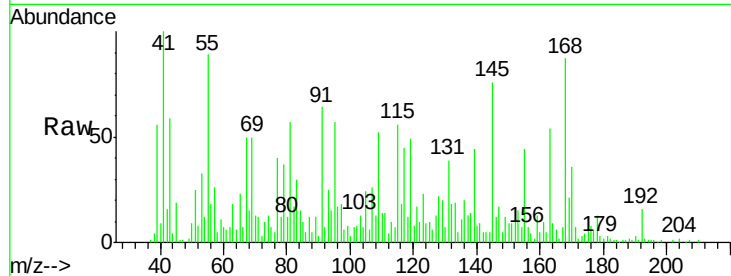




#54
Dibenzenofuran
Concen: 2.53 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.00 min
Lab File: BF086744.D
Acq: 7 May 2016 00:52

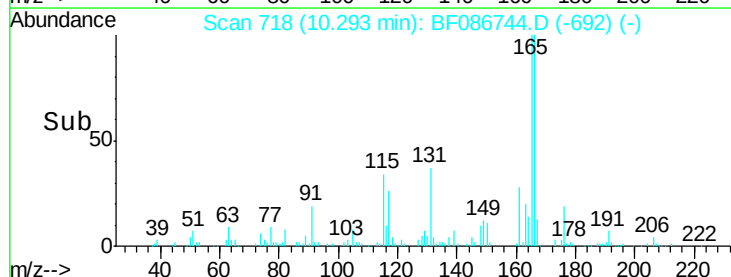
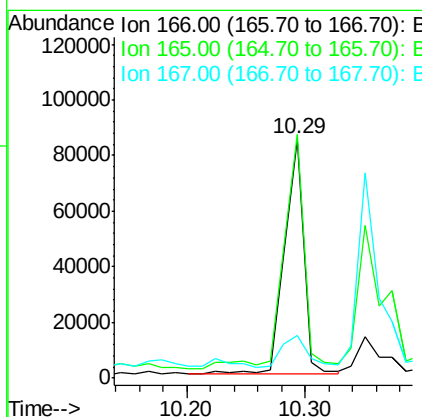
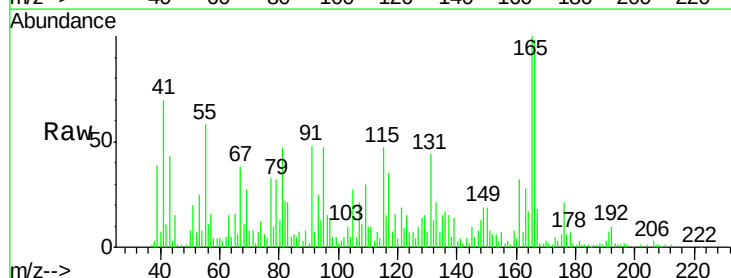
Instrument :
BNA_F
ClientSampled :

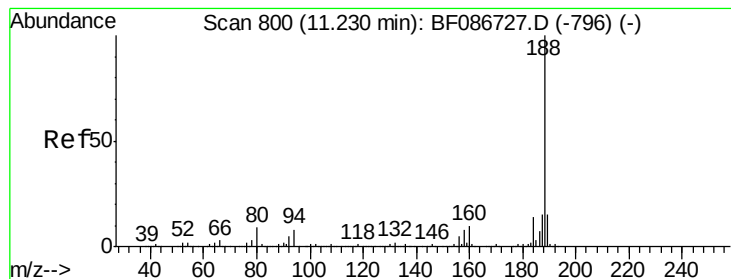
Tot Ion:168 Resp: 57282
Ion Ratio Lower Upper
168 100
139 50.9 31.4 47.0#
169 24.3 10.7 16.1#



#57
Fluorene
Concen: 5.14 ng
RT: 10.29 min Scan# 718
Delta R.T. -0.00 min
Lab File: BF086744.D
Acq: 7 May 2016 00:52

Tgt Ion:166 Resp: 94441
Ion Ratio Lower Upper
166 100
165 102.0 79.0 118.6
167 18.1 10.6 15.8#





#63

Phenanthrene-d10

Concen: 40.00 ng

RT: 11.22 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF086744.D

Acq: 7 May 2016 00:52

Instrument :

BNA_F

ClientSampleId :

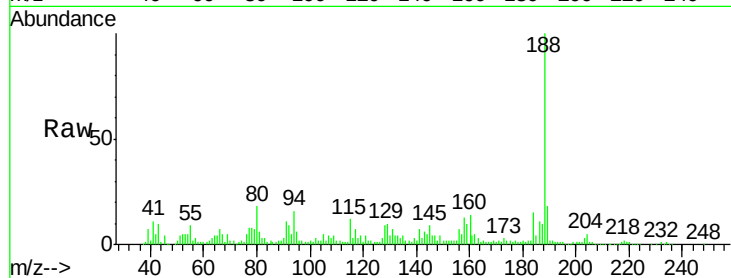
Tot Ion:188 Resp: 462490

Ion Ratio Lower Upper

188 100

94 15.6 6.8 10.2#

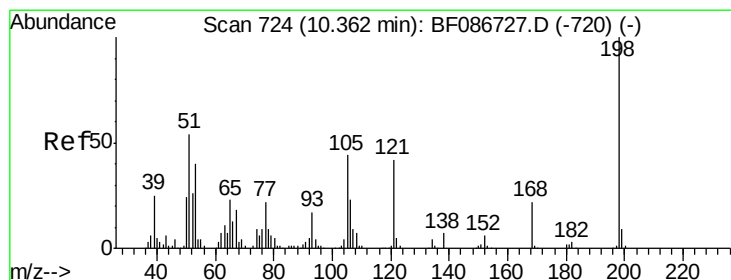
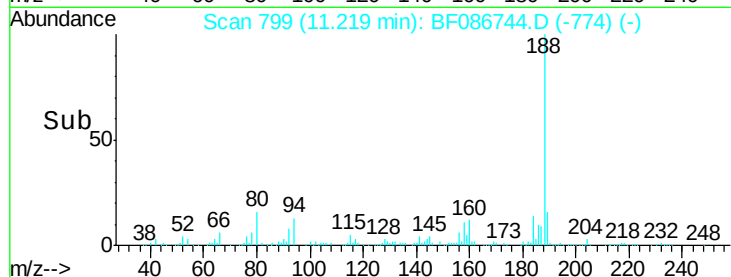
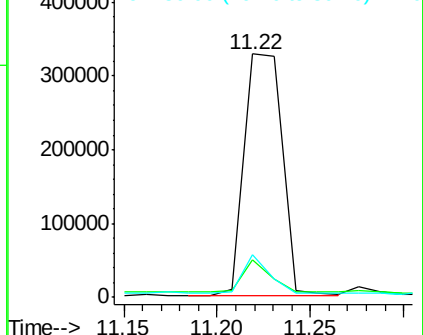
80 17.7 7.1 10.7#



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



#64

4,6-Dinitro-2-methylphenol

Concen: 5.60 ng

RT: 10.37 min Scan# 725

Delta R.T. 0.01 min

Lab File: BF086744.D

Acq: 7 May 2016 00:52

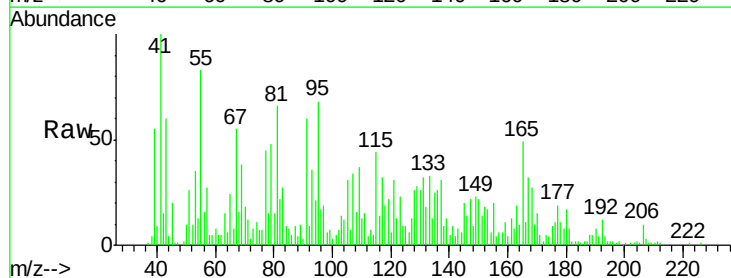
Tgt Ion:198 Resp: 795

Ion Ratio Lower Upper

198 100

51 1327.1 20.5 60.5#

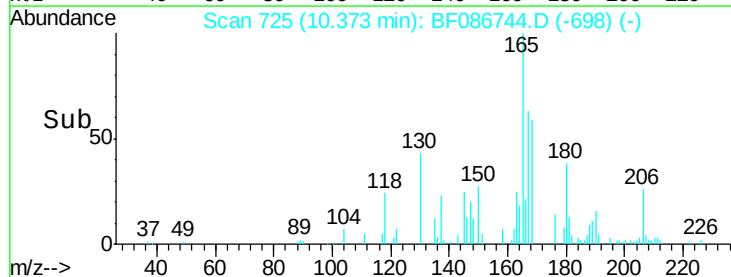
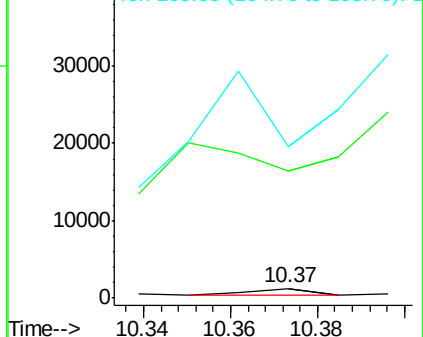
105 1576.1 24.5 64.5#

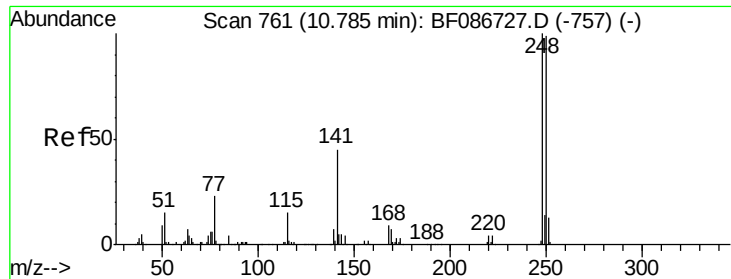


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 6.01 ng

RT: 10.54 min Scan# 740

Delta R.T. -0.24 min

Lab File: BF086744.D

Acq: 7 May 2016 00:52

Instrument :

BNA_F

ClientSampleId :

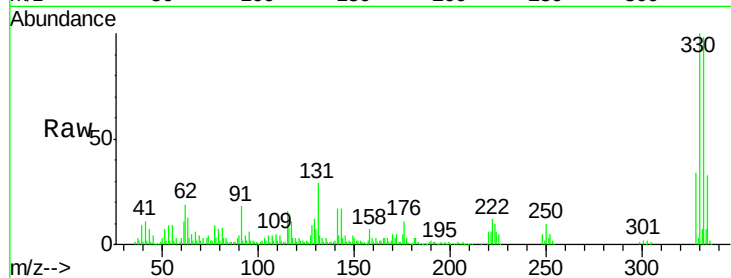
Tot Ion:248 Resp: 27629

Ion Ratio Lower Upper

248 100

250 204.4 78.6 117.8#

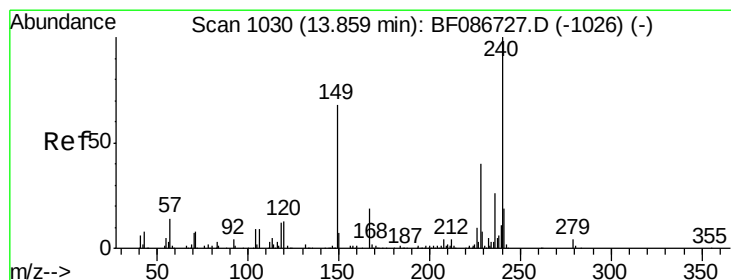
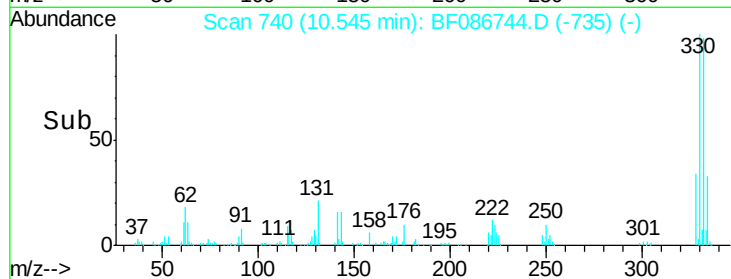
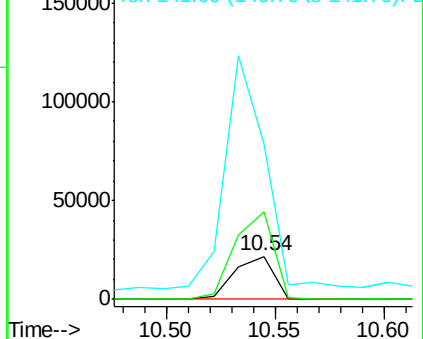
141 364.9 76.0 114.0#



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: 40.00 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF086744.D

Acq: 7 May 2016 00:52

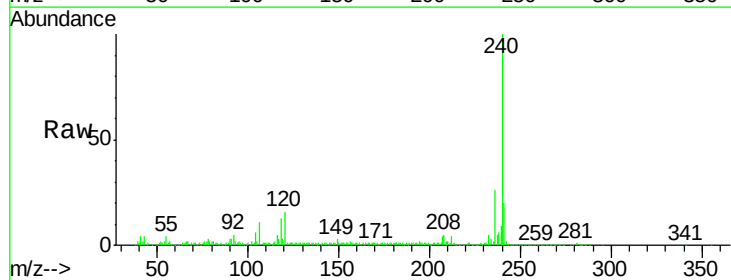
Tgt Ion:240 Resp: 334550

Ion Ratio Lower Upper

240 100

120 15.9 11.2 16.8

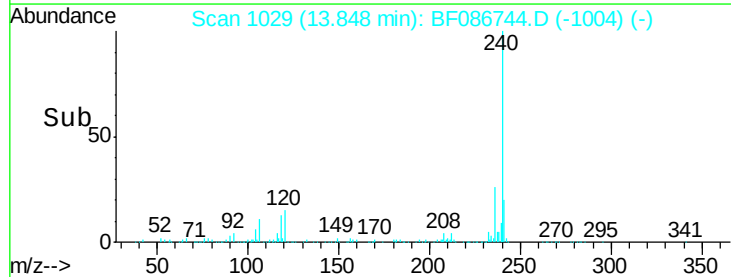
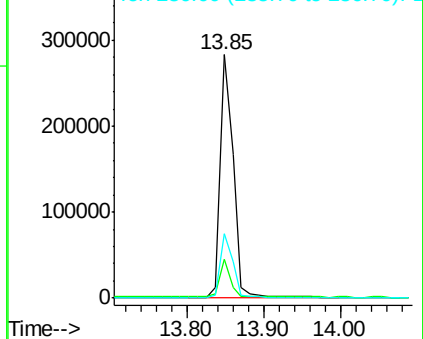
236 26.5 21.2 31.8

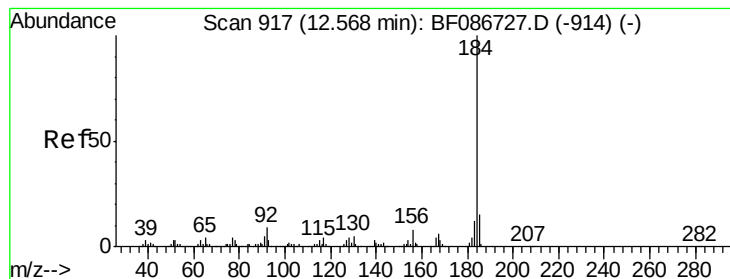


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 7.19 ng

RT: 12.56 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF086744.D

Acq: 7 May 2016 00:52

Instrument :

BNA_F

ClientSampled :

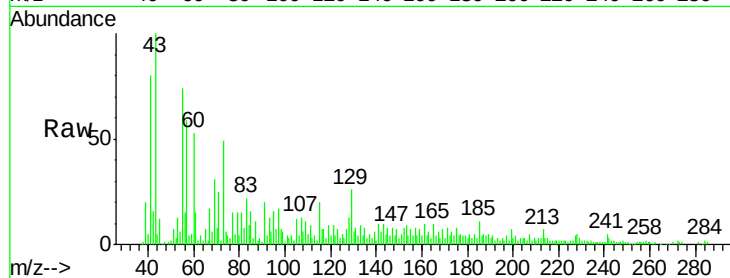
Tot Ion:184 Resp: 1086

Ion Ratio Lower Upper

184 100

185 348.1 13.6 20.4#

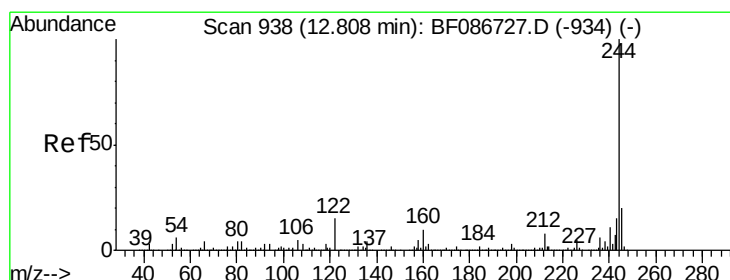
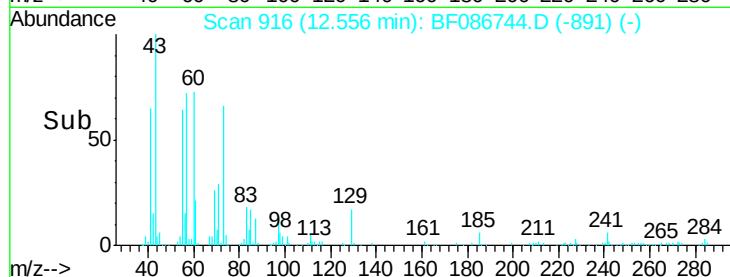
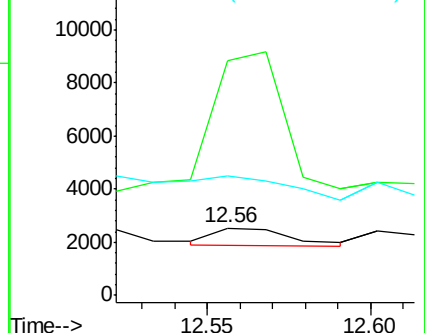
183 177.4 9.8 14.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 79.75 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.00 min

Lab File: BF086744.D

Acq: 7 May 2016 00:52

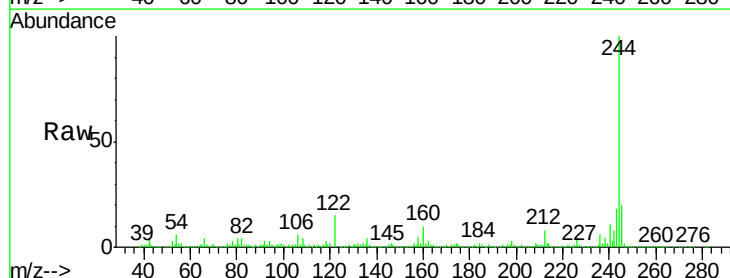
Tgt Ion:244 Resp: 1320088

Ion Ratio Lower Upper

244 100

212 8.4 6.2 9.2

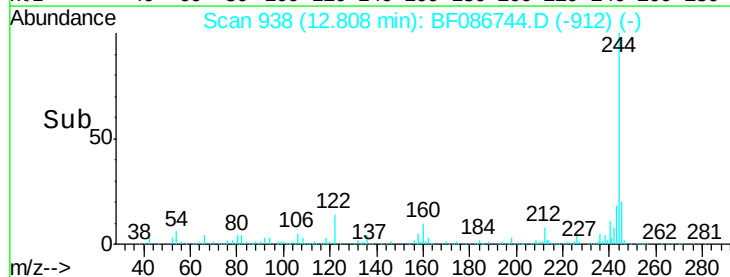
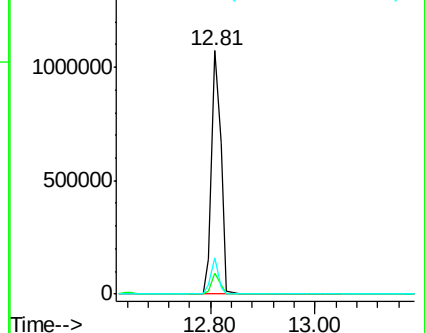
122 14.8 12.0 18.0

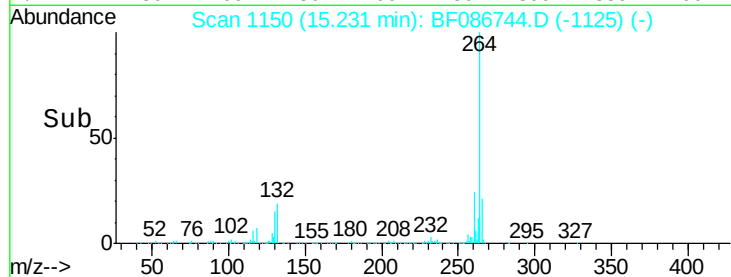
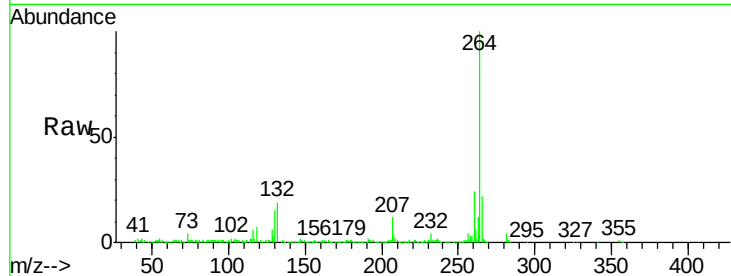
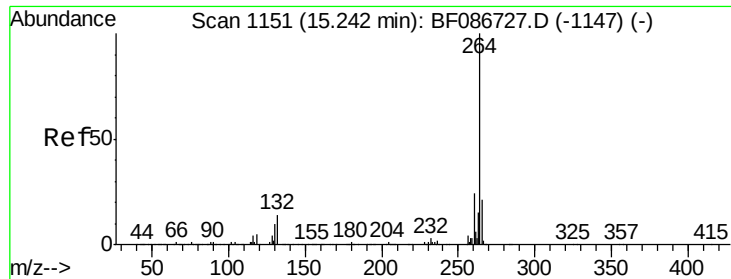


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 40.00 ng
RT: 15.23 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF086744.D
Acq: 7 May 2016 00:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	21.6	17.3	25.9

