

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010616\
 Data File : BF084289.D
 Acq On : 6 Jan 2016 15:07
 Operator : SJ/UM
 Sample : H1010-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P0004

Quant Time: Jan 07 00:08:31 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	303608	20.00	ng	-0.03
21) Naphthalene-d8	8.16	136	1282396	20.00	ng	-0.03
38) Acenaphthene-d10	9.90	164	572195	20.00	ng	-0.05
63) Phenanthrene-d10	11.39	188	1034469	20.00	ng	-0.03
75) Chrysene-d12	14.02	240	934260	20.00	ng	-0.05
86) Perylene-d12	15.46	264	727161	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	1038752	55.34	ng	-0.02
7) Phenol-d6	6.50	99	786160	33.35	ng	-0.03
23) Nitrobenzene-d5	7.44	82	1933760	83.92	ng	-0.03
41) 2,4,6-Tribromophenol	10.70	330	814117	140.93	ng	-0.03
44) 2-Fluorobiphenyl	9.23	172	2826491	87.05	ng	-0.03
78) Terphenyl-d14	12.98	244	2642587	63.14	ng	-0.03

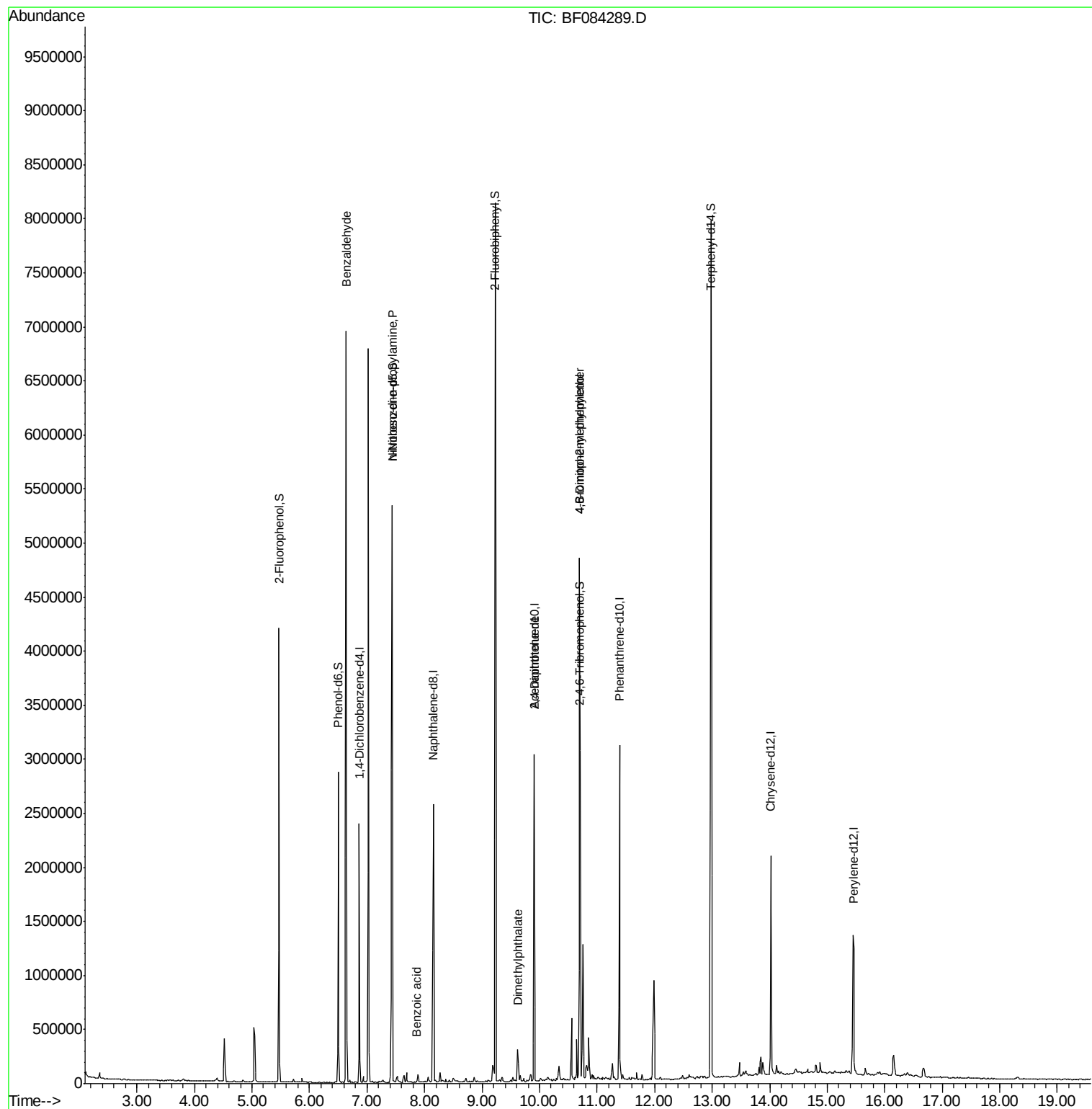
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.64	77	45233	2.95	ng	# 75
19) n-Nitroso-di-n-propylamine	7.44	70	280141	17.55	ng	# 70
32) Benzoic acid	7.86	122	3060	6.44	ng	# 91
49) Dimethylphthalate	9.62	163	139063	3.40	ng	# 88
54) Dibenzofuran	10.11	168	1858	Below Cal		# 87
56) 2,4-Dinitrotoluene	9.90	165	75739	6.67	ng	# 22
57) Fluorene	10.45	166	2424	Below Cal		# 94
64) 4,6-Dinitro-2-methylphenol	10.69	198	1910	6.65	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	48488	4.35	ng	# 1
73) Di-n-butylphthalate	11.95	149	18519	Below Cal		# 94

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.03 min

Lab File: BF084289.D

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P0004

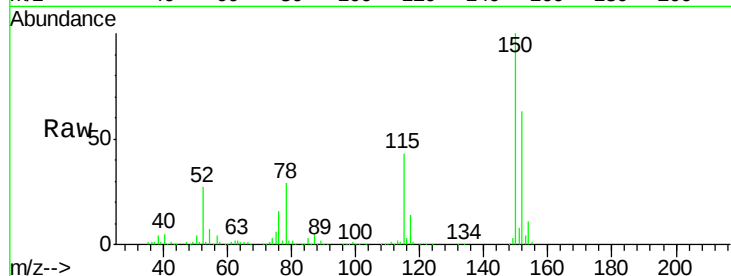
Tgt Ion:152 Resp: 303608

Ion Ratio Lower Upper

152 100

150 158.4 123.0 184.4

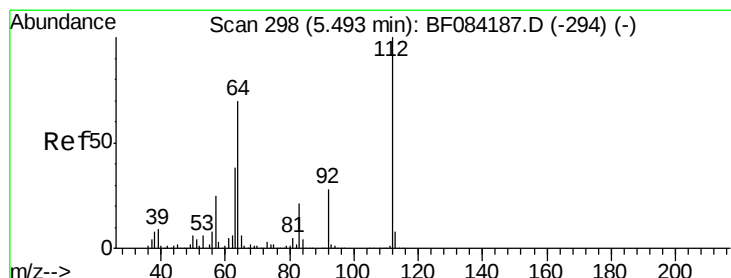
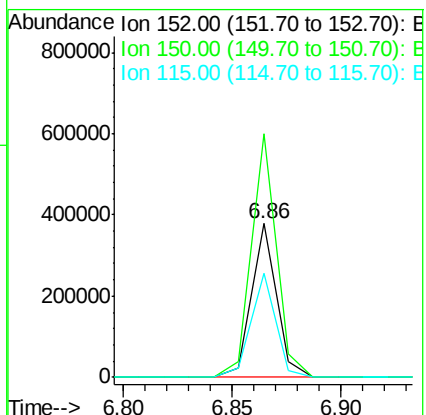
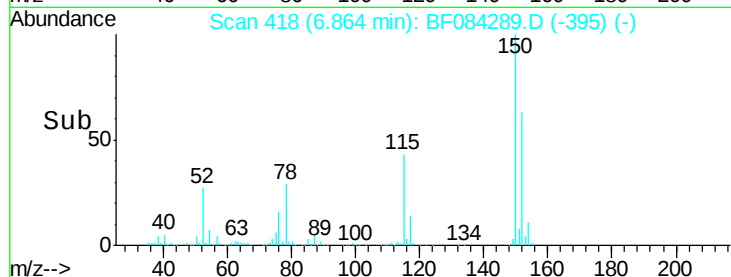
115 67.7 51.4 77.2



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: 55.34 ng

RT: 5.47 min Scan# 296

Delta R.T. -0.02 min

Lab File: BF084289.D

Acq: 6 Jan 2016 15:07

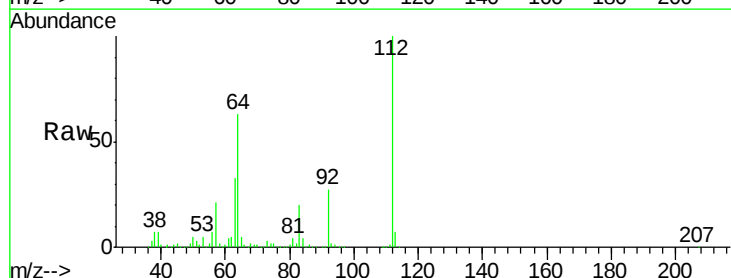
Tgt Ion:112 Resp: 1038752

Ion Ratio Lower Upper

112 100

64 63.4 36.6 55.0#

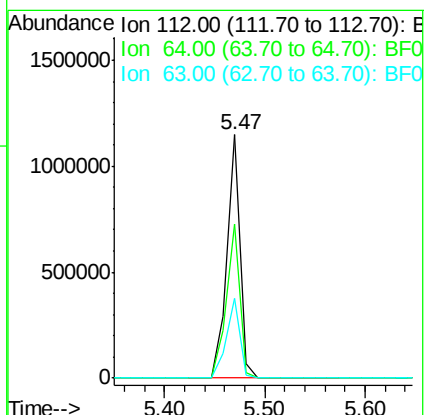
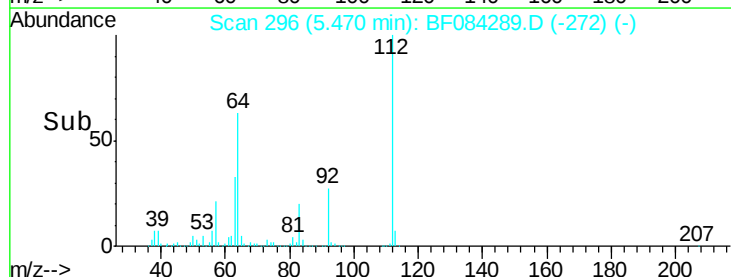
63 32.8 19.4 29.0#

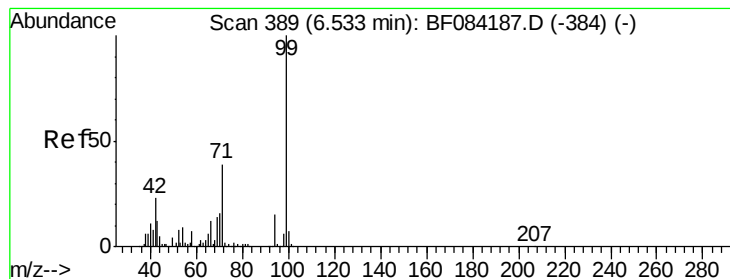


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 33.35 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.03 min

Lab File: BF084289.D

Acq: 6 Jan 2016 15:07

Instrument :

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ClientSampleId :

P0004

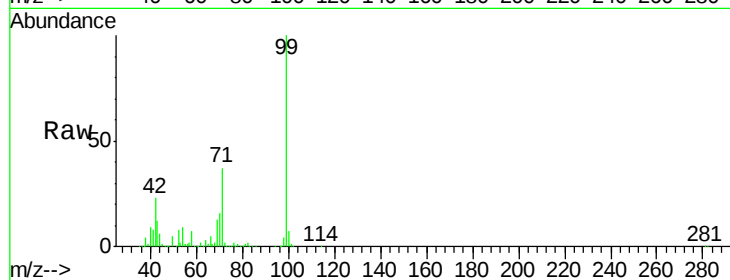
Tgt Ion: 99 Resp: 786160

Ion Ratio Lower Upper

99 100

42 22.7 12.8 19.2#

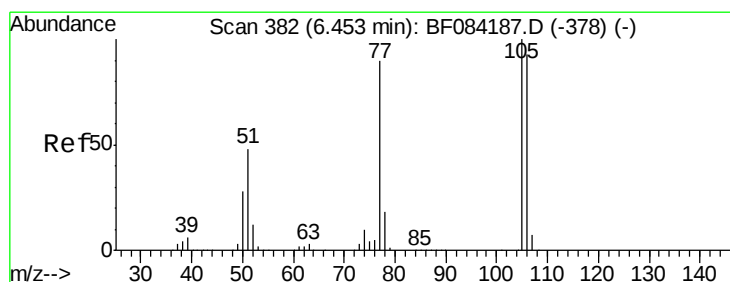
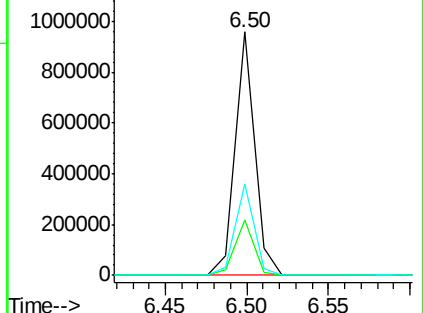
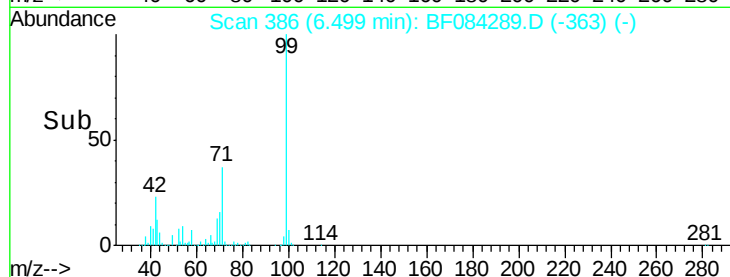
71 37.4 30.9 46.3



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: 2.95 ng

RT: 6.64 min Scan# 398

Delta R.T. 0.18 min

Lab File: BF084289.D

Acq: 6 Jan 2016 15:07

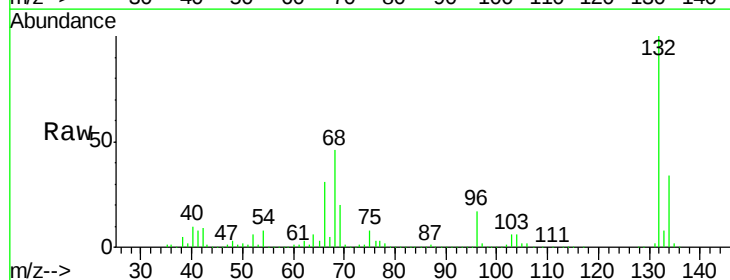
Tgt Ion: 77 Resp: 45233

Ion Ratio Lower Upper

77 100

105 79.7 83.0 123.0#

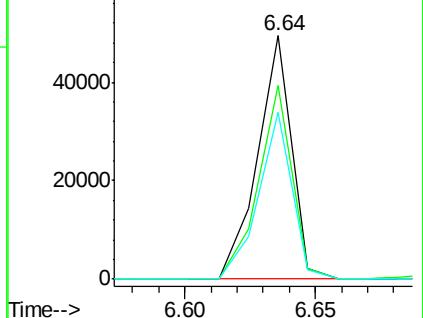
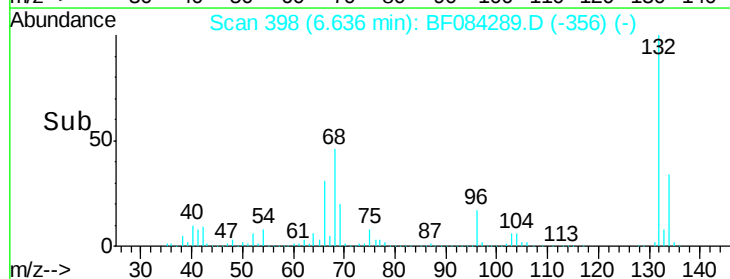
106 68.6 74.6 114.6#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

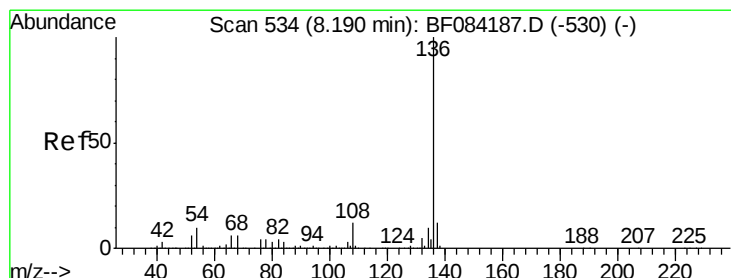
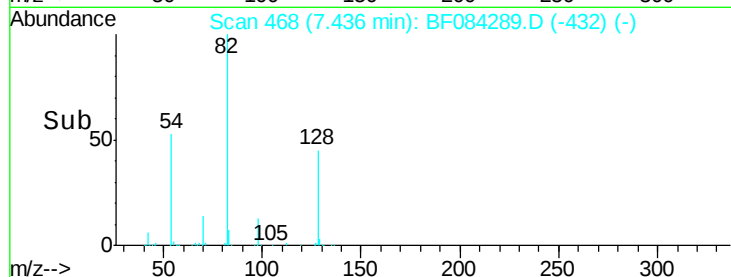
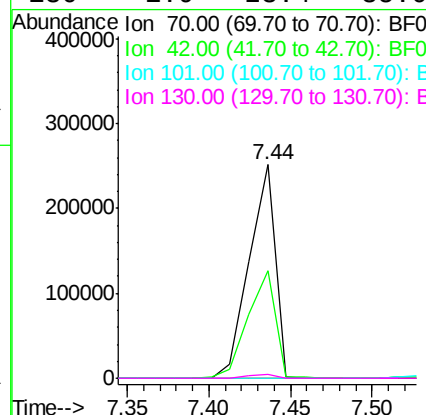
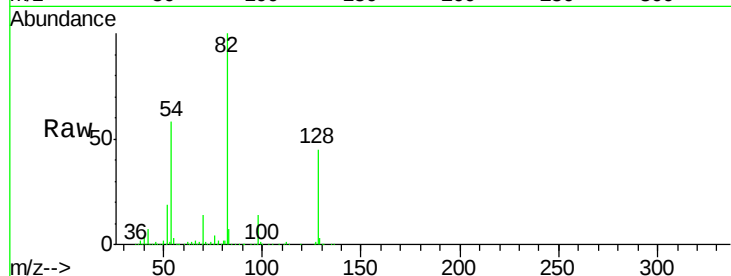




#19
n-Nitroso-di-n-propylamine
Concen: 17.55 ng
RT: 7.44 min Scan# 468
Delta R.T. 0.11 min
Lab File: BF084289.D
Acq: 6 Jan 2016 15:07

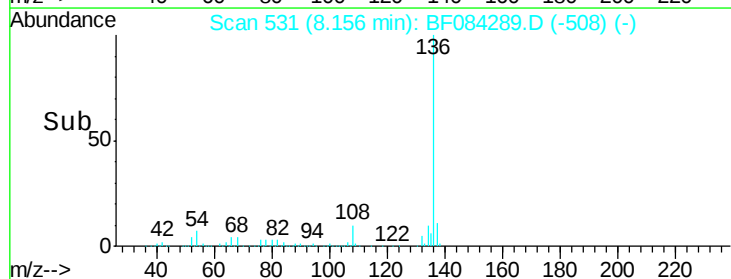
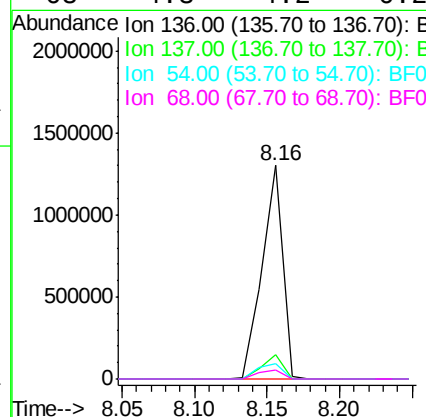
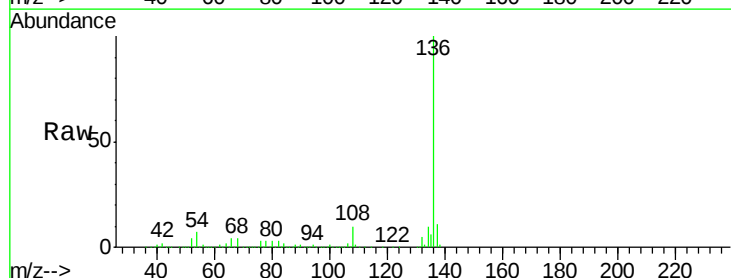
Instrument :
BNA_F
ClientSampleId :
P0004

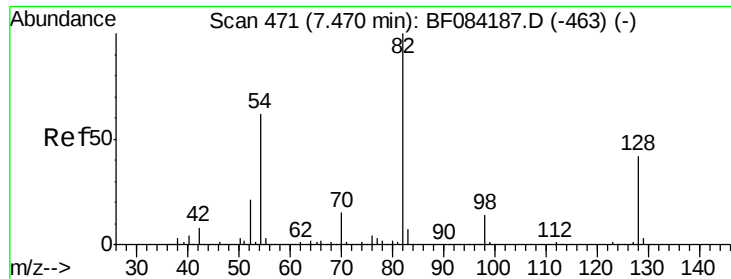
Tgt Ion	Ratio	Lower	Upper
70	100		
42	50.6	33.3	49.9#
101	0.0	9.3	13.9#
130	1.9	23.4	35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.03 min
Lab File: BF084289.D
Acq: 6 Jan 2016 15:07

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	7.4	5.8	8.8
68	4.3	4.2	6.2

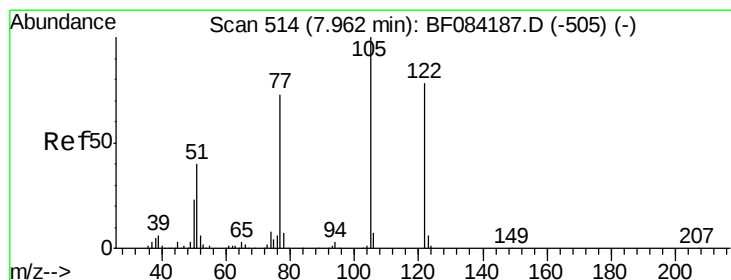
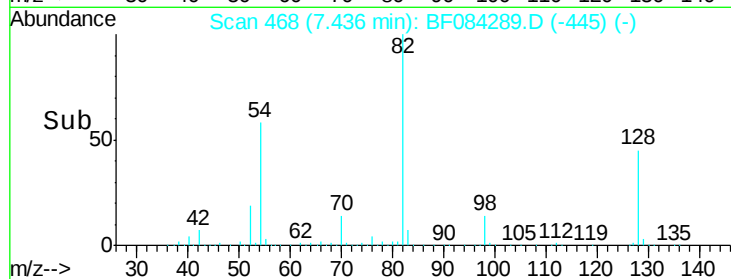
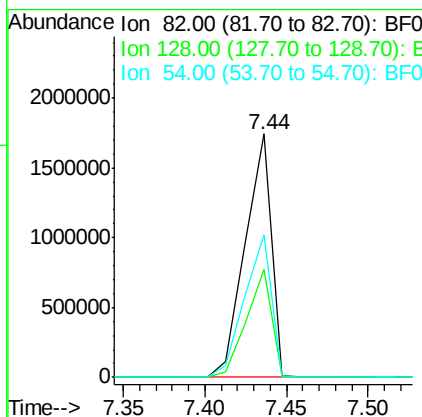
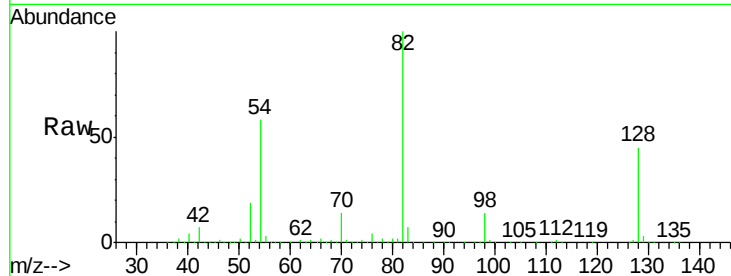




#23
 Nitrobenzene-d5
 Concen: 83.92 ng
 RT: 7.44 min Scan# 468
 Delta R.T. -0.03 min
 Lab File: BF084289.D
 Acq: 6 Jan 2016 15:07

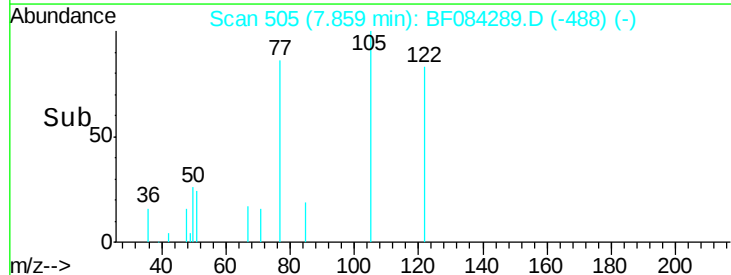
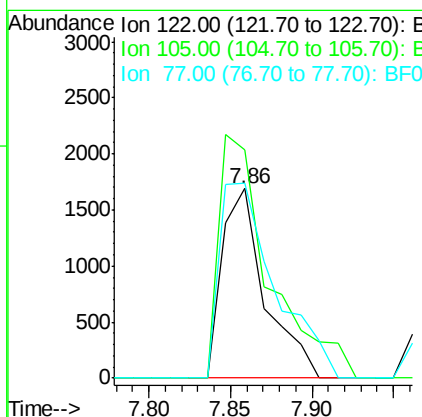
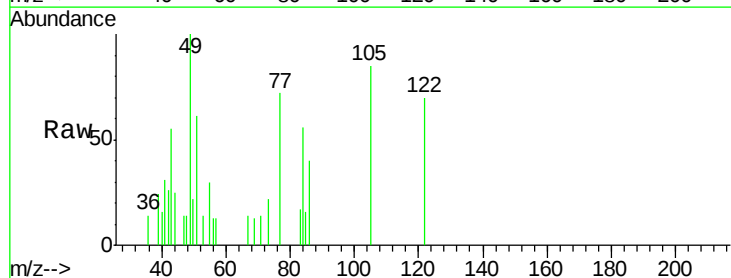
Instrument :
 BNA_F
 ClientSampleID :
 P0004

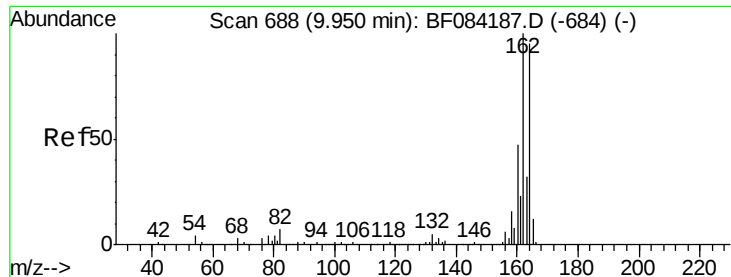
Tgt Ion: 82 Resp: 1933760
 Ion Ratio Lower Upper
 82 100
 128 44.6 34.6 51.8
 54 58.5 38.4 57.6#



#32
 Benzoic acid
 Concen: 6.44 ng
 RT: 7.86 min Scan# 505
 Delta R.T. -0.10 min
 Lab File: BF084289.D
 Acq: 6 Jan 2016 15:07

Tgt Ion: 122 Resp: 3060
 Ion Ratio Lower Upper
 122 100
 105 120.1 100.3 140.3
 77 103.0 63.5 103.5





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.05 min

Lab File: BF084289.D

Acq: 6 Jan 2016 15:07

Instrument :

BNA_F

ClientSampleId :

P0004

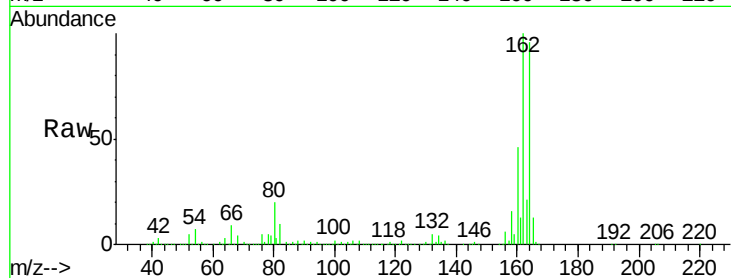
Tgt Ion:164 Resp: 572195

Ion Ratio Lower Upper

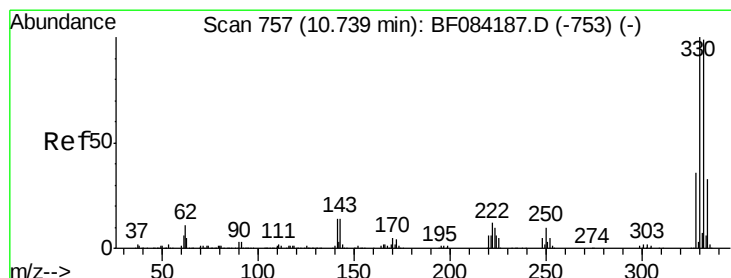
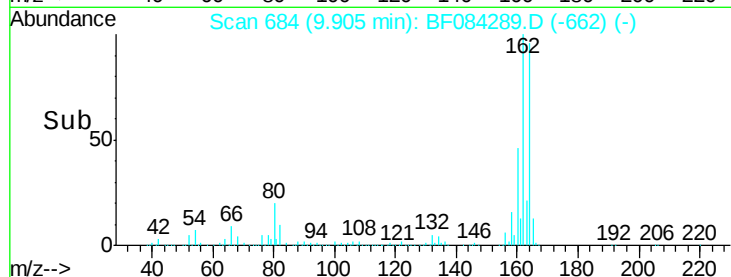
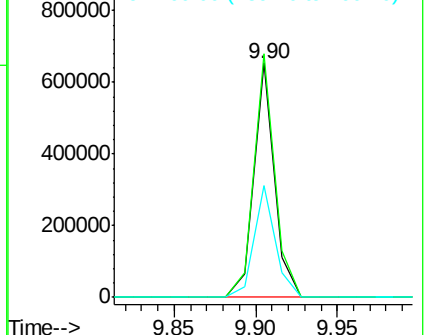
164 100

162 103.8 85.1 127.7

160 47.8 37.5 56.3



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: 140.93 ng

RT: 10.70 min Scan# 754

Delta R.T. -0.03 min

Lab File: BF084289.D

Acq: 6 Jan 2016 15:07

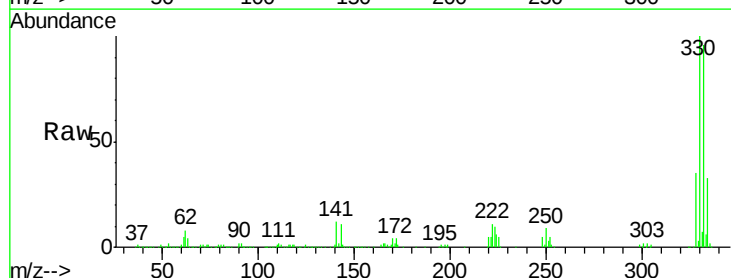
Tgt Ion:330 Resp: 814117

Ion Ratio Lower Upper

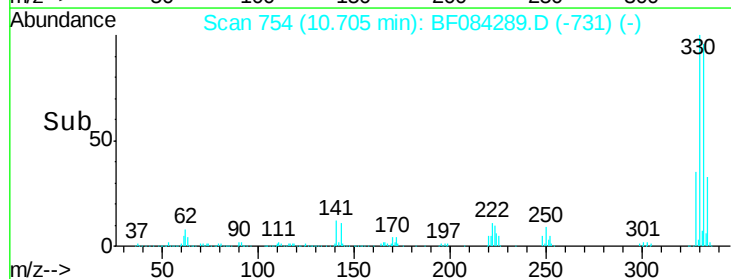
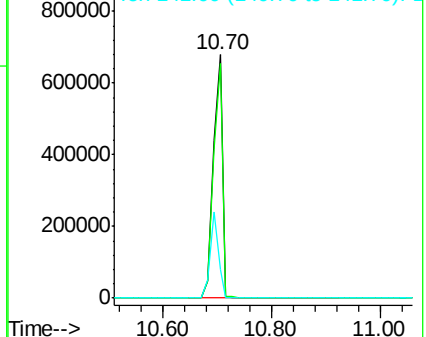
330 100

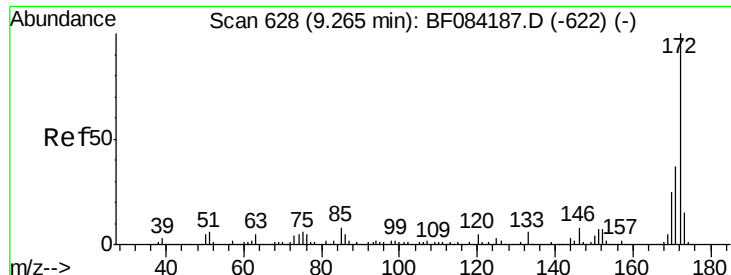
332 95.4 76.6 114.8

141 32.0 27.8 41.6



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

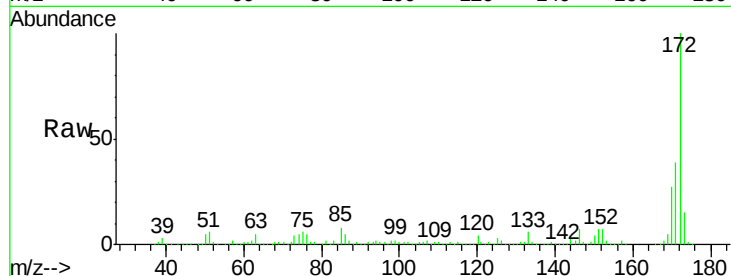




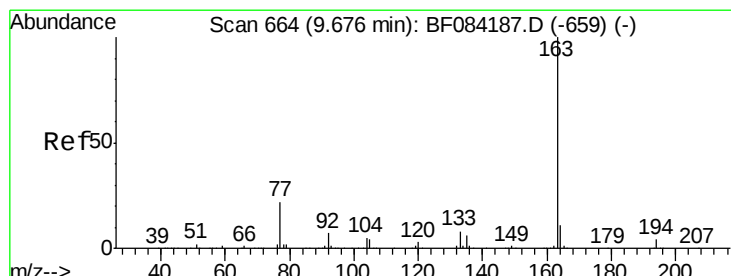
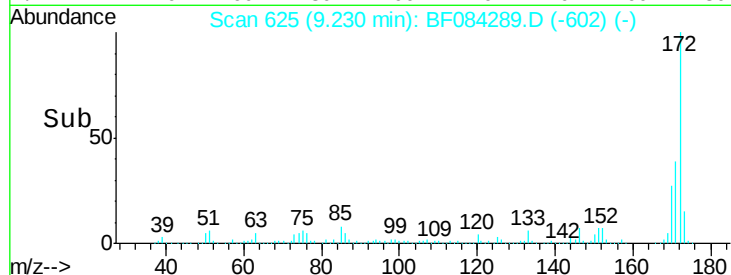
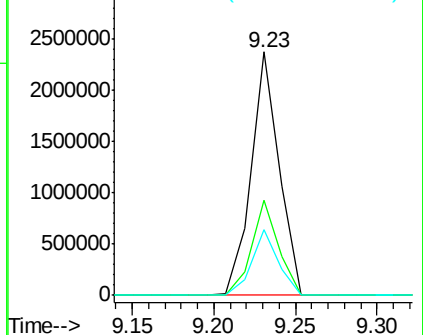
#44
 2-Fluorobiphenyl
 Concen: 87.05 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.03 min
 Lab File: BF084289.D
 Acq: 6 Jan 2016 15:07

Instrument :
 BNA_F
 ClientSampleId :
 P0004

Tgt Ion:172 Resp: 2826491
 Ion Ratio Lower Upper
 172 100
 171 39.1 28.9 43.3
 170 26.8 18.6 27.8

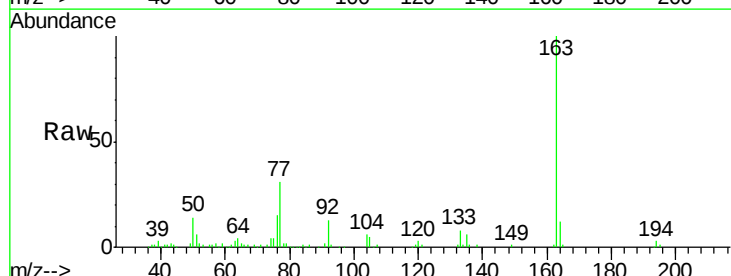


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

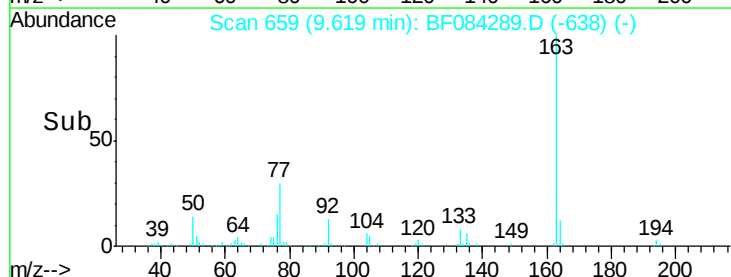
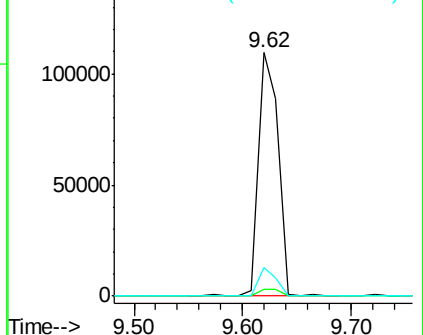


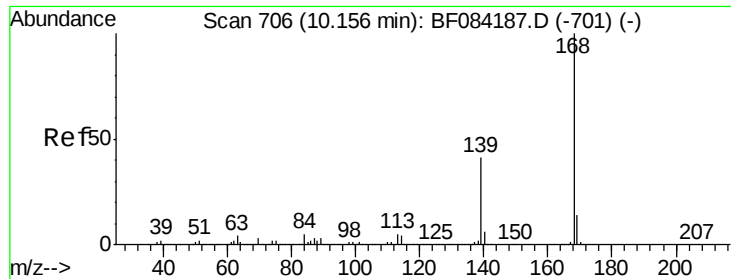
#49
 Dimethylphthalate
 Concen: 3.40 ng
 RT: 9.62 min Scan# 659
 Delta R.T. -0.06 min
 Lab File: BF084289.D
 Acq: 6 Jan 2016 15:07

Tgt Ion:163 Resp: 139063
 Ion Ratio Lower Upper
 163 100
 194 3.0 8.0 12.0#
 164 11.7 8.0 12.0



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

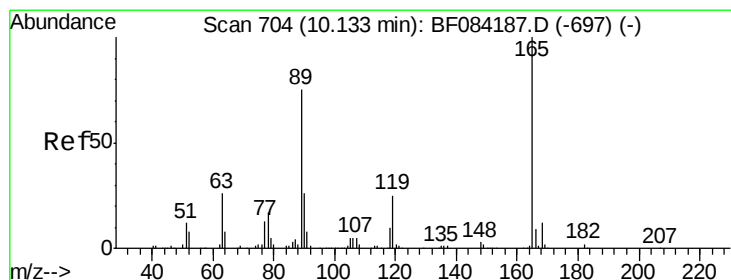
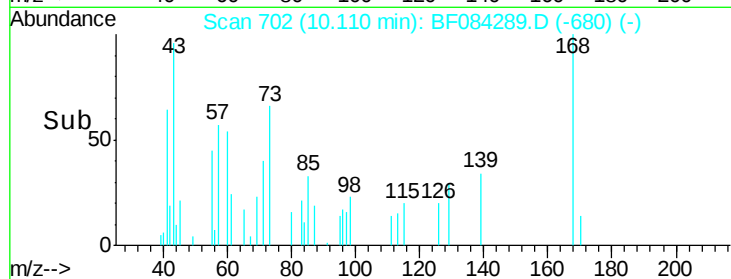
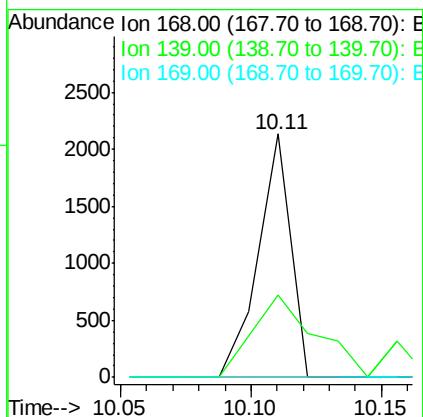
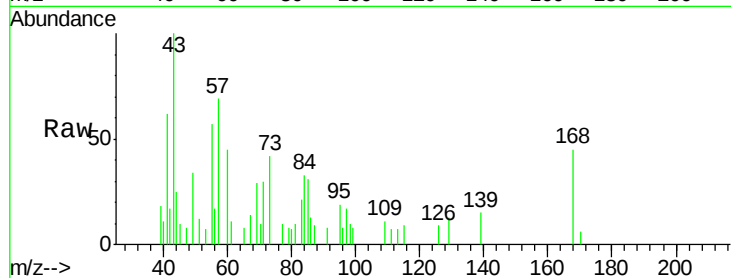




#54
Dibenzofuran
Concen: Below Cal
RT: 10.11 min Scan# 702
Delta R.T. -0.05 min
Lab File: BF084289.D
Acq: 6 Jan 2016 15:07

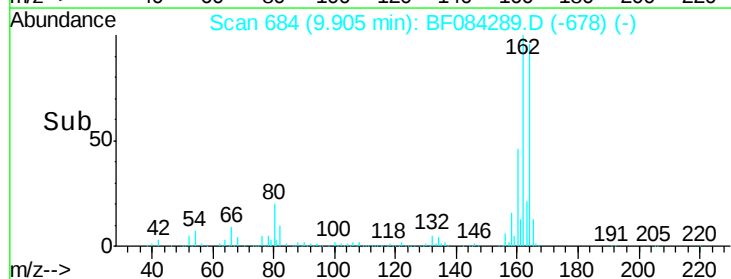
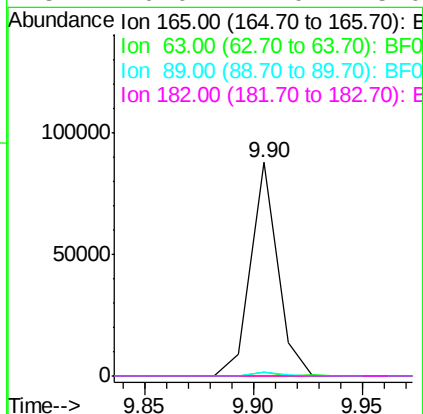
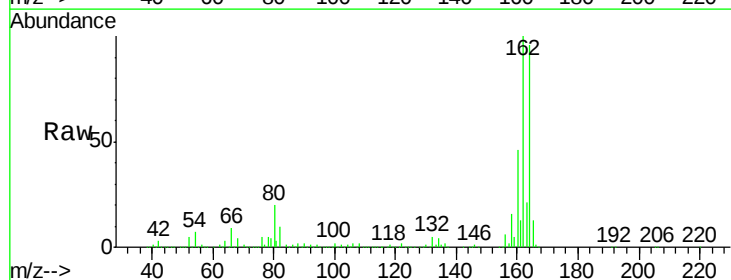
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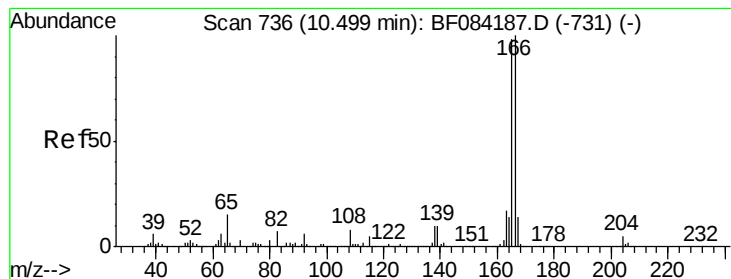
Tgt Ion:168 Resp: 1858
Ion Ratio Lower Upper
168 100
139 33.9 30.5 45.7
169 0.0 10.4 15.6#



#56
2,4-Dinitrotoluene
Concen: 6.67 ng
RT: 9.90 min Scan# 684
Delta R.T. -0.23 min
Lab File: BF084289.D
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Tgt Ion:165 Resp: 75739
Ion Ratio Lower Upper
165 100
63 1.6 36.7 55.1#
89 1.6 61.9 92.9#
182 0.0 2.0 3.0#





#57

Fluorene

Concen: Below Cal

RT: 10.45 min Scan# 732

Delta R.T. -0.04 min

Lab File: BF084289.D

Acq: 6 Jan 2016 15:07

Instrument :

BNA_F

ClientSampleId :

P0004

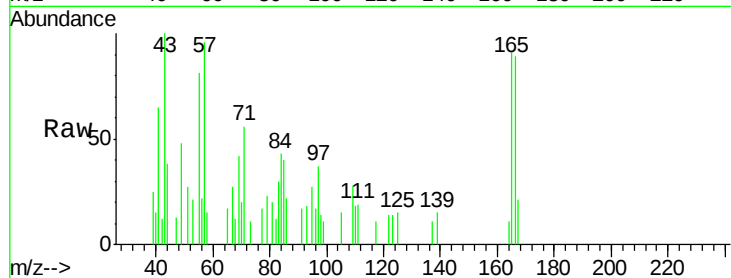
Tgt Ion:166 Resp: 2424

Ion Ratio Lower Upper

166 100

165 102.2 79.1 118.7

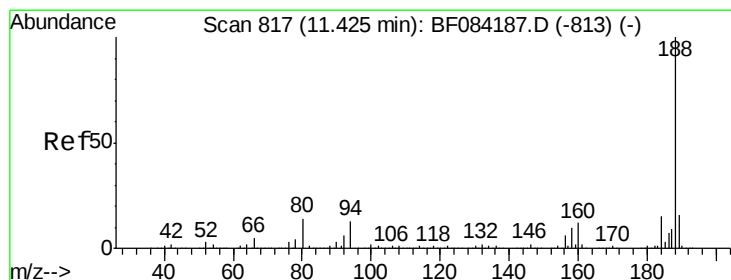
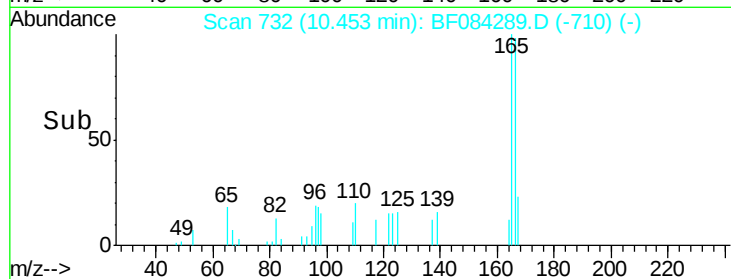
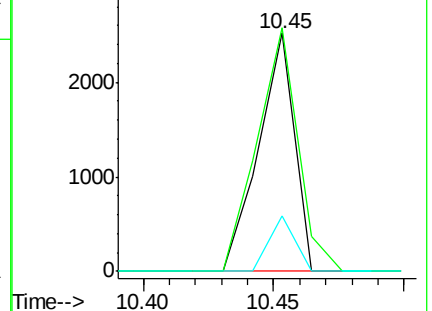
167 23.3 10.4 15.6#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.03 min

Lab File: BF084289.D

Acq: 6 Jan 2016 15:07

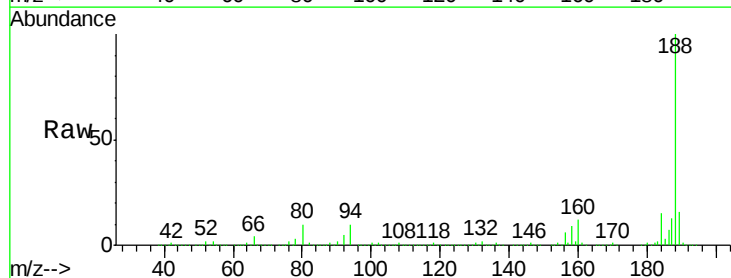
Tgt Ion:188 Resp: 1034469

Ion Ratio Lower Upper

188 100

94 9.5 9.0 13.4

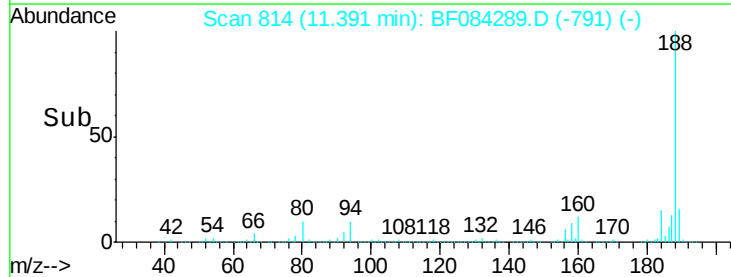
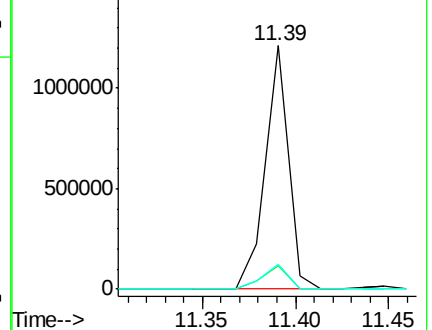
80 10.2 9.6 14.4

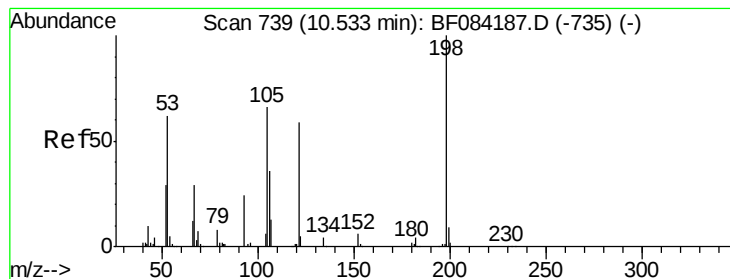


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 6.65 ng

RT: 10.69 min Scan# 753

Delta R.T. 0.16 min

Lab File: BF084289.D

Acq: 6 Jan 2016 15:07

Instrument :

BNA_F

ClientSampleId :

P0004

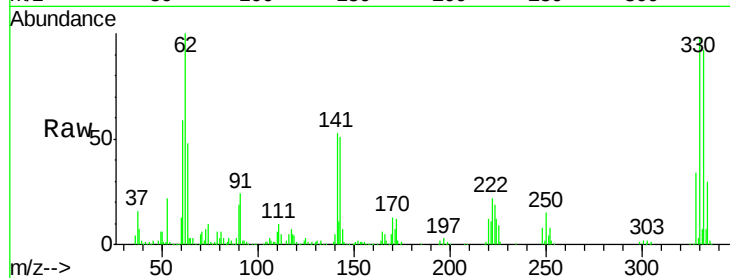
Tgt Ion:198 Resp: 1910

Ion Ratio Lower Upper

198 100

51 345.5 18.9 58.9#

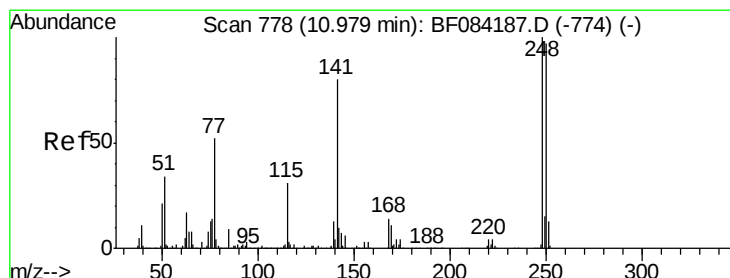
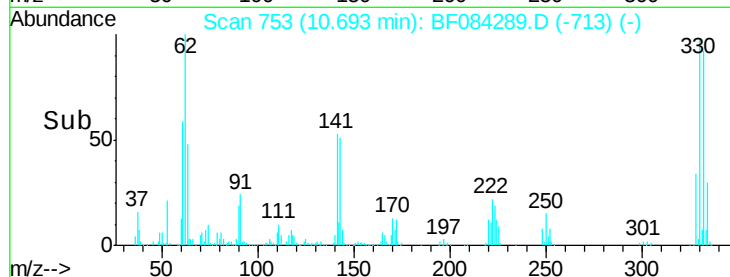
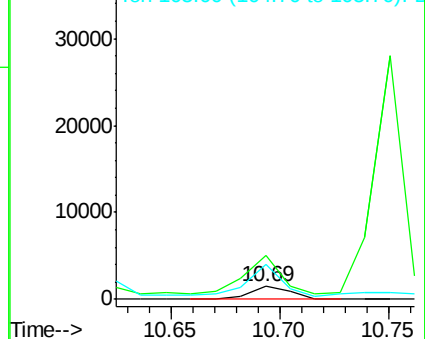
105 273.0 26.4 66.4#



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: 4.35 ng

RT: 10.69 min Scan# 753

Delta R.T. -0.29 min

Lab File: BF084289.D

Acq: 6 Jan 2016 15:07

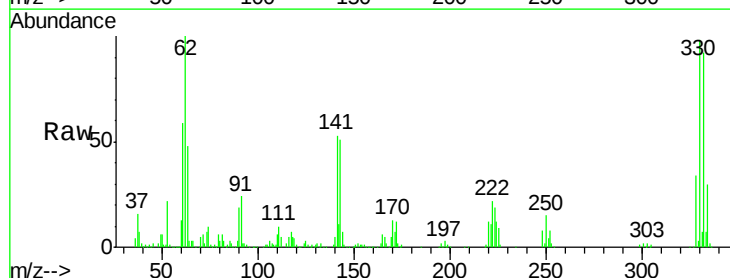
Tgt Ion:248 Resp: 48488

Ion Ratio Lower Upper

248 100

250 192.3 78.4 117.6#

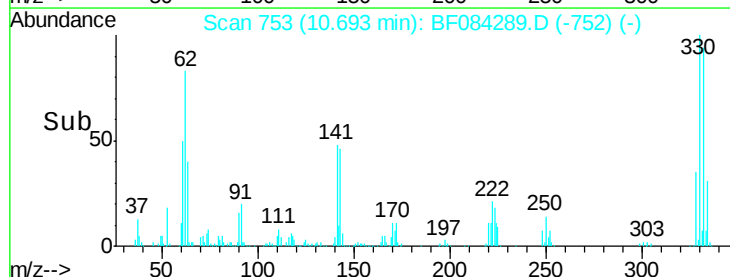
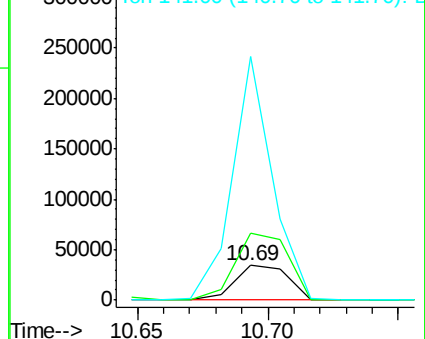
141 702.1 44.0 66.0#

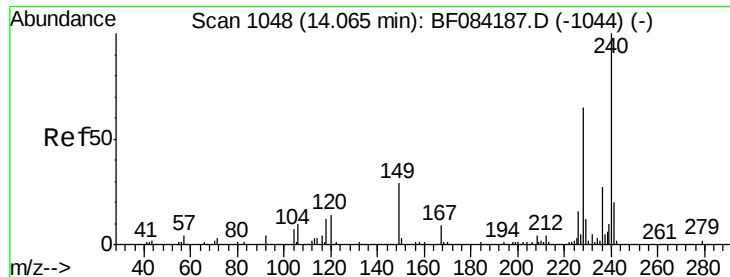


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.02 min Scan# 1044

Delta R.T. -0.05 min

Lab File: BF084289.D

Acq: 6 Jan 2016 15:07

Instrument :

BNA_F

ClientSampleId :

P0004

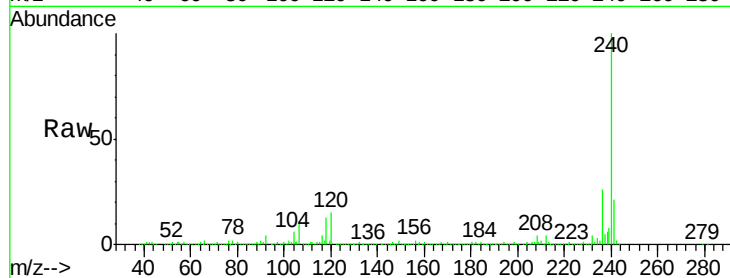
Tgt Ion:240 Resp: 934260

Ion Ratio Lower Upper

240 100

120 15.2 9.5 14.3#

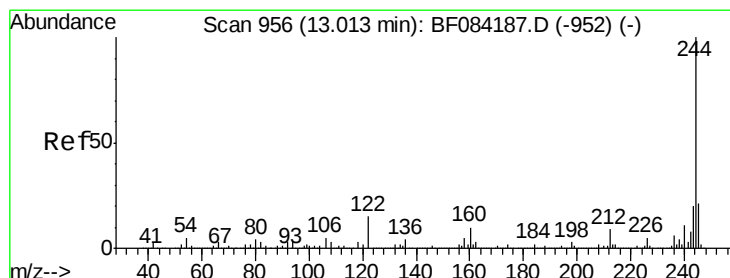
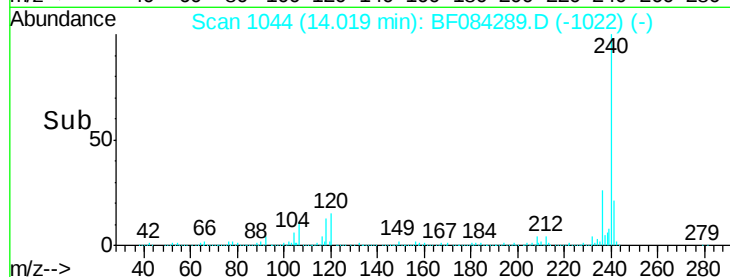
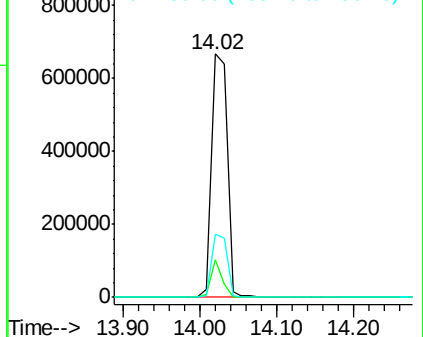
236 25.8 20.6 31.0



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: 63.14 ng

RT: 12.98 min Scan# 953

Delta R.T. -0.03 min

Lab File: BF084289.D

Acq: 6 Jan 2016 15:07

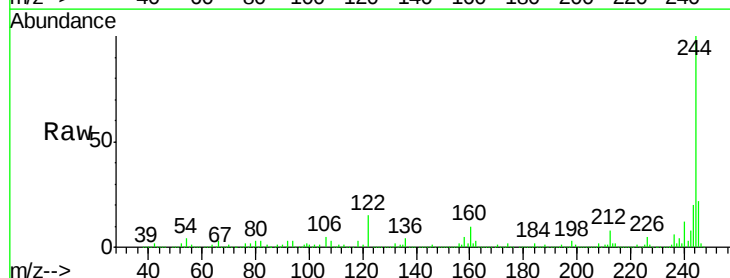
Tgt Ion:244 Resp: 2642587

Ion Ratio Lower Upper

244 100

212 8.2 5.7 8.5

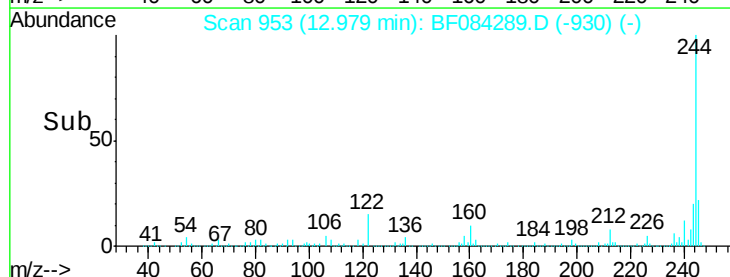
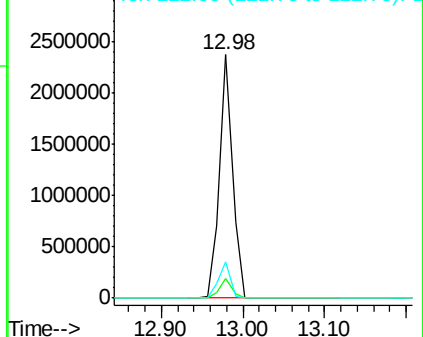
122 14.8 7.4 11.0#

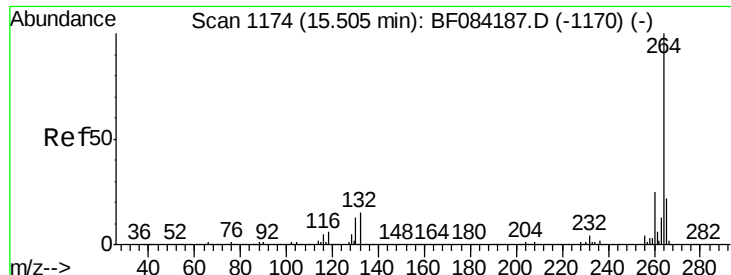


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.46 min Scan# 1170
Delta R.T. -0.05 min
Lab File: BF084289.D
Acq: 6 Jan 2016 15:07

Instrument :
BNA_F
ClientSampleId :
P0004

Tgt Ion: 264 Resp: 727161
Ion Ratio Lower Upper
264 100
260 23.2 19.4 29.2
265 21.9 17.8 26.6

