

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061416\
 Data File : BF088030.D
 Acq On : 15 Jun 2016 6:45
 Operator : UM/SJ
 Sample : H3425-08
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP16-LF2MW1

Quant Time: Jun 15 07:21:58 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 15 04:08:24 2016
 Response via : Initial Calibration

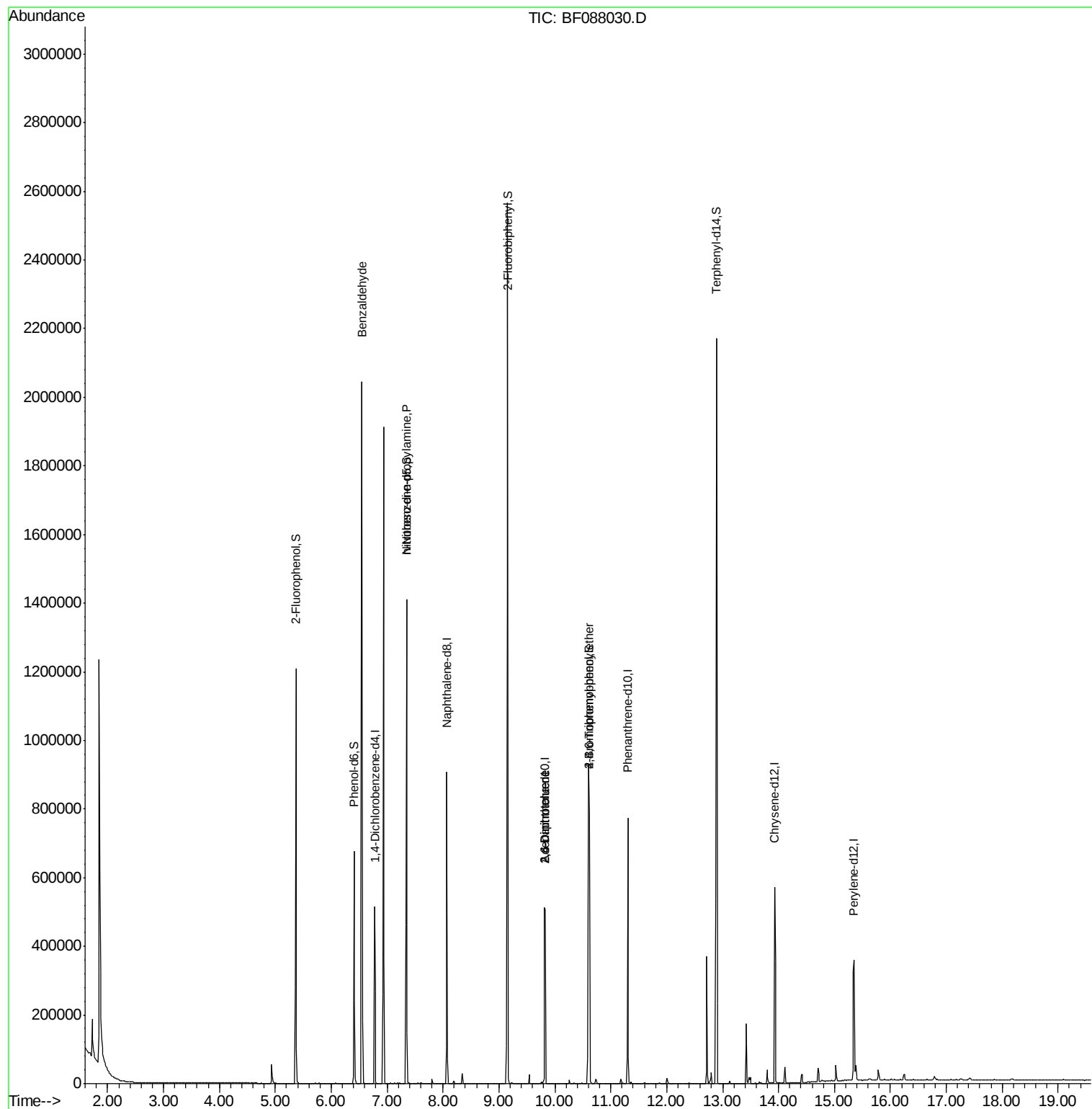
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	95349	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	383701	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	154238	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	257882	20.00	ng	0.00
75) Chrysene-d12	13.93	240	239565	20.00	ng	-0.01
86) Perylene-d12	15.35	264	190115	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	340409	61.03	ng	0.00
7) Phenol-d6	6.41	99	250762	37.10	ng	-0.01
23) Nitrobenzene-d5	7.35	82	491530	74.80	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	167735	102.99	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	983097	101.18	ng	0.00
78) Terphenyl-d14	12.89	244	663472	63.02	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.55	77	11935	2.57	ng	# 71
10) Phenol	6.42	94	2806	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.35	70	63978	14.80	ng	# 73
45) 1,1'-Biphenyl	9.24	154	416	Below Cal		# 43
50) 2,6-Dinitrotoluene	9.82	165	19362	7.57	ng	# 37
56) 2,4-Dinitrotoluene	9.82	165	19362	5.89	ng	# 36
57) Fluorene	10.36	166	384	Below Cal		# 90
66) 4-Bromophenyl-phenylether	10.62	248	10893	3.94	ng	# 1

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 454

Delta R.T. -0.01 min

Lab File: BF088030.D

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Instrument :

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ClientSampleId :

SP16-LF2MW1

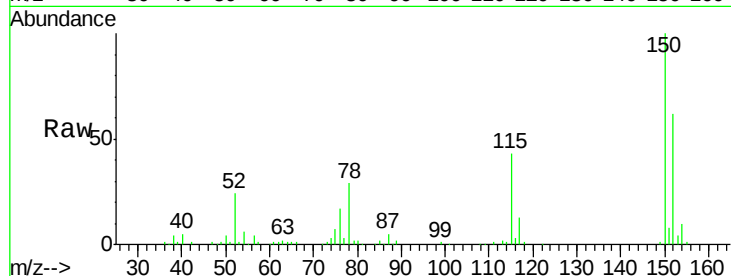
Tgt Ion:152 Resp: 95349

Ion Ratio Lower Upper

152 100

150 160.3 123.8 185.6

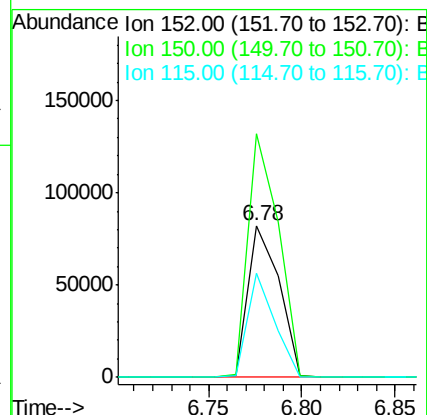
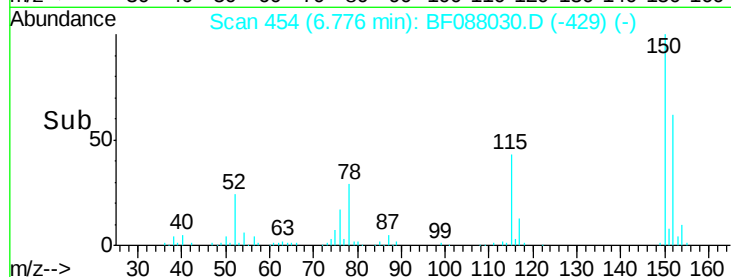
115 68.3 39.6 59.4#



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: 61.03 ng

RT: 5.37 min Scan# 331

Delta R.T. -0.00 min

Lab File: BF088030.D

Acq: 15 Jun 2016 6:45

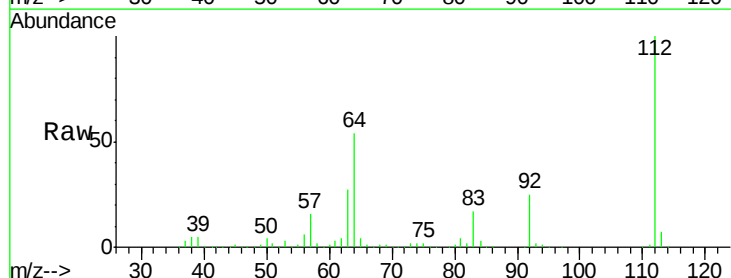
Tgt Ion:112 Resp: 340409

Ion Ratio Lower Upper

112 100

64 53.8 42.2 63.2

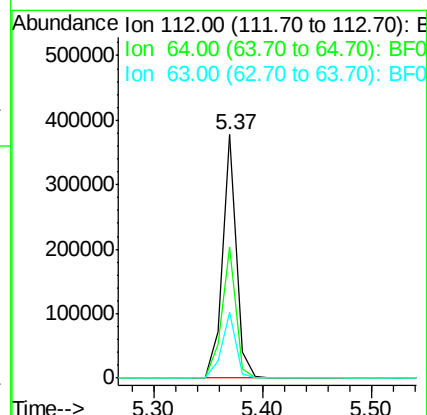
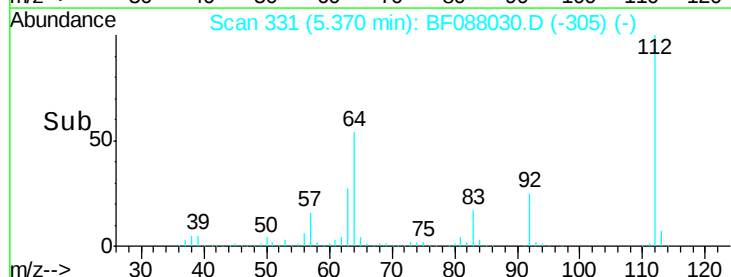
63 27.2 21.8 32.8



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: 37.10 ng

RT: 6.41 min Scan# 422

Delta R.T. -0.01 min

Lab File: BF088030.D

Acq: 15 Jun 2016 6:45

Instrument :

BNA_F

ClientSampleId :

SP16-LF2MW1

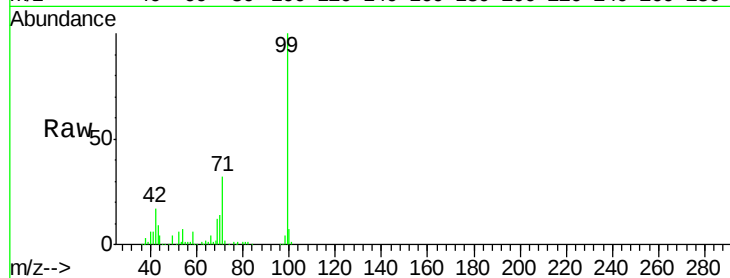
Tgt Ion: 99 Resp: 250762

Ion Ratio Lower Upper

99 100

42 16.6 12.2 18.2

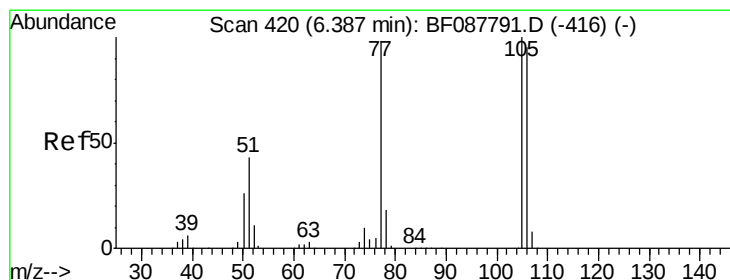
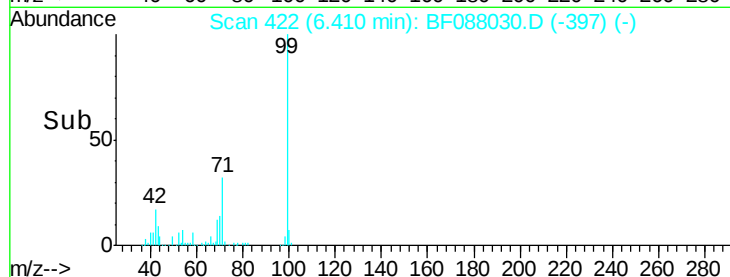
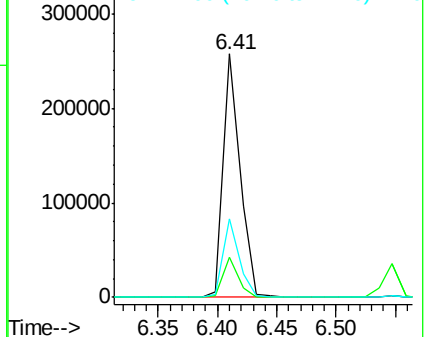
71 32.3 23.4 35.0



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: 2.57 ng

RT: 6.55 min Scan# 434

Delta R.T. 0.22 min

Lab File: BF088030.D

Acq: 15 Jun 2016 6:45

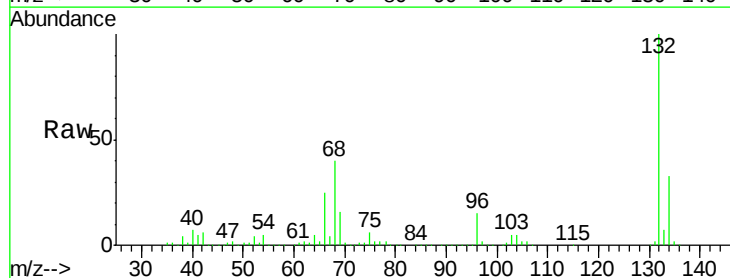
Tgt Ion: 77 Resp: 11935

Ion Ratio Lower Upper

77 100

105 81.2 90.6 130.6#

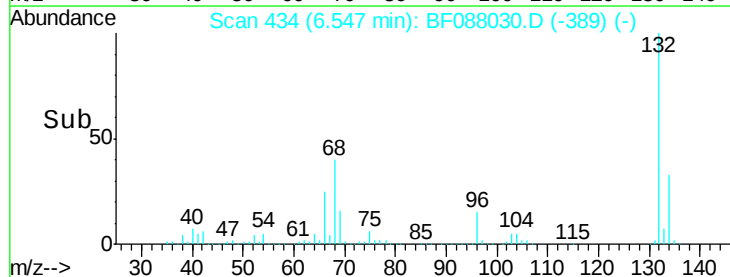
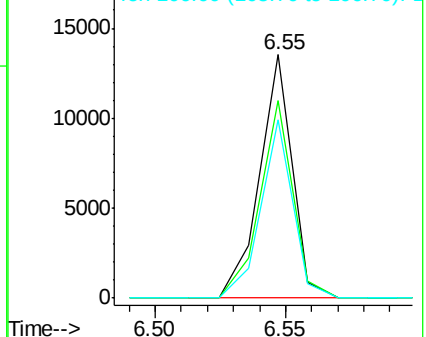
106 73.5 85.3 125.3#

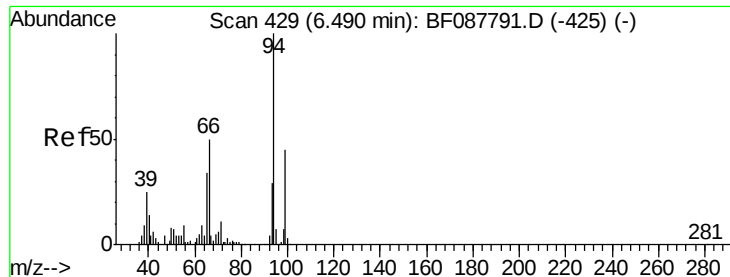


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: Below Cal

RT: 6.42 min Scan# 423

Delta R.T. -0.01 min

Lab File: BF088030.D

Acq: 15 Jun 2016 6:45

Instrument :

BNA_F

ClientSampleId :

SP16-LF2MW1

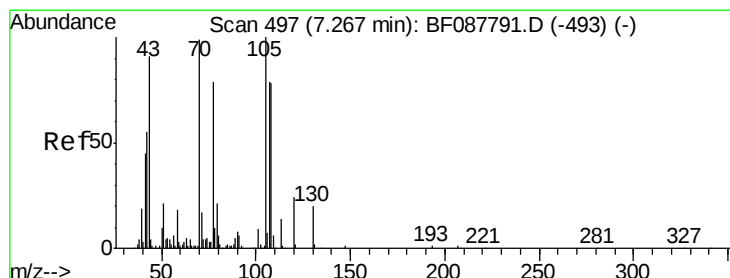
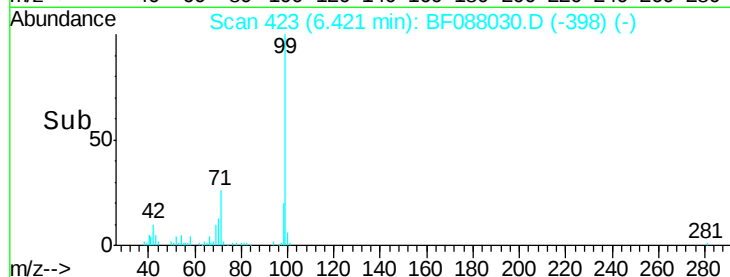
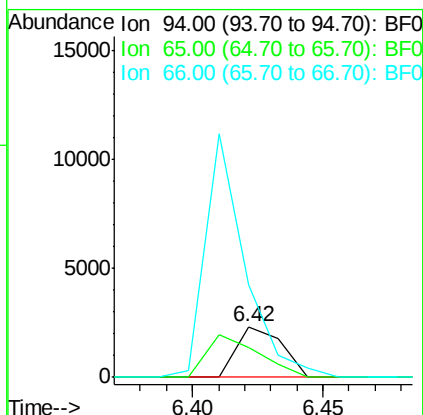
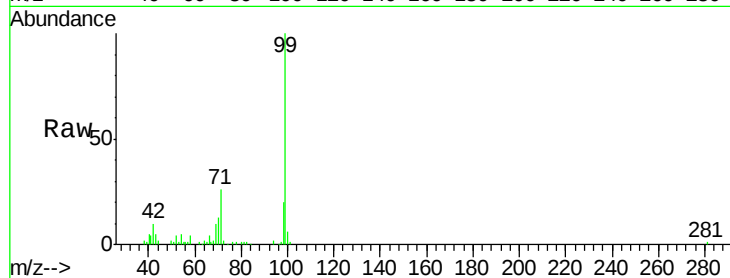
Tgt Ion: 94 Resp: 2806

Ion Ratio Lower Upper

94 100

65 59.4 5.9 45.9#

66 181.1 14.0 54.0#



#19

n-Nitroso-di-n-propylamine

Concen: 14.80 ng

RT: 7.35 min Scan# 504

Delta R.T. 0.14 min

Lab File: BF088030.D

Acq: 15 Jun 2016 6:45

Tgt Ion: 70 Resp: 63978

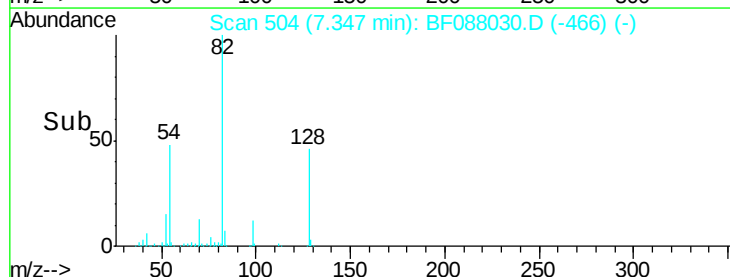
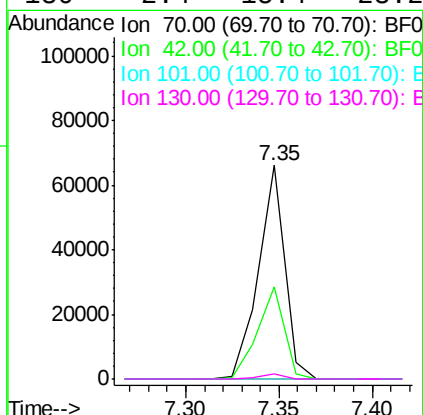
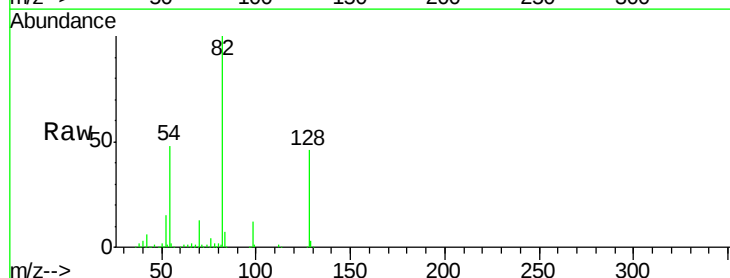
Ion Ratio Lower Upper

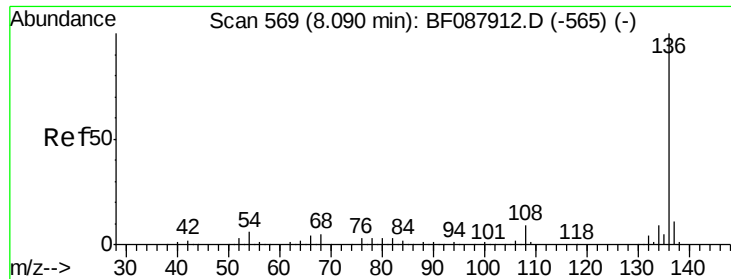
70 100

42 43.0 49.6 74.4#

101 0.0 7.1 10.7#

130 2.4 15.4 23.2#

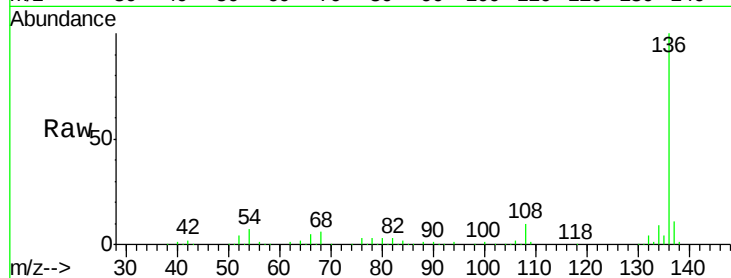




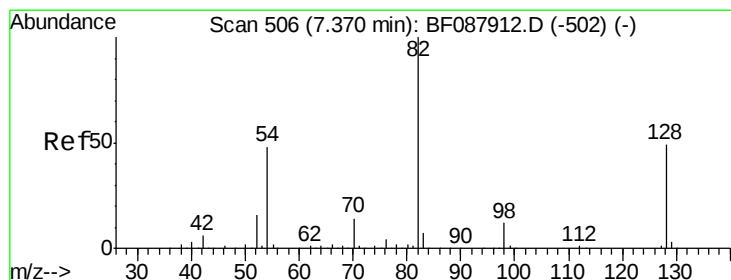
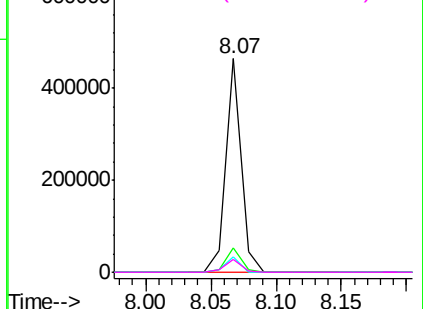
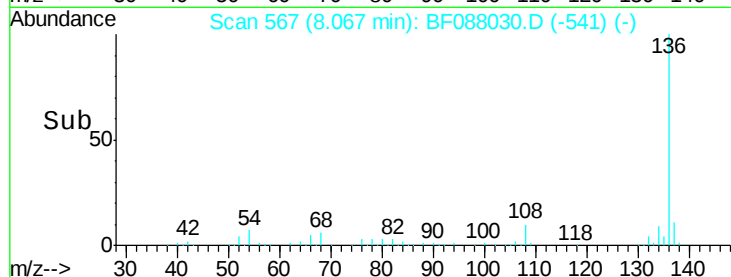
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 567
Delta R.T. -0.00 min
Lab File: BF088030.D
Acq: 15 Jun 2016 6:45

Instrument :
BNA_F
ClientSampleId :
SP16-LF2MW1

Tgt Ion:	136	Resp:	383701
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	7.3	6.6	10.0
68	6.1	5.1	7.7

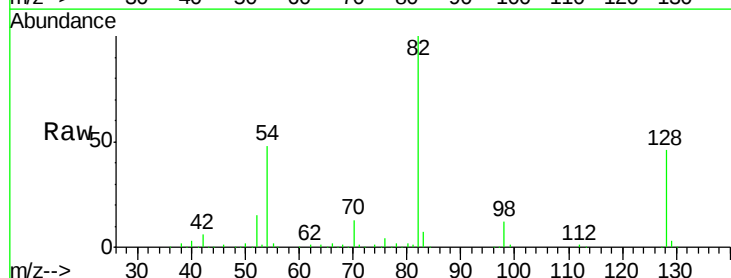


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

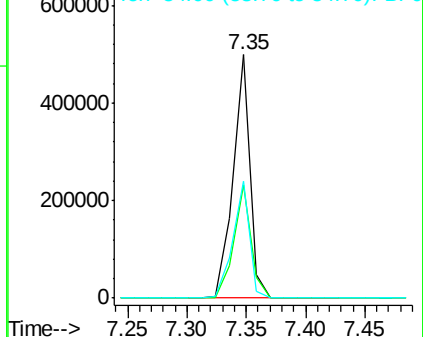
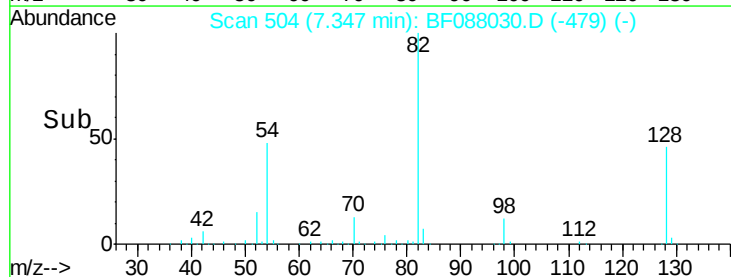


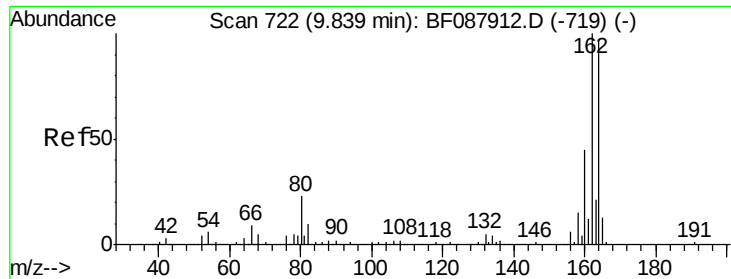
#23
Nitrobenzene-d5
Concen: 74.80 ng
RT: 7.35 min Scan# 504
Delta R.T. -0.01 min
Lab File: BF088030.D
Acq: 15 Jun 2016 6:45

Tgt Ion:	82	Resp:	491530
Ion	Ratio	Lower	Upper
82	100		
128	46.3	35.9	53.9
54	47.9	40.9	61.3



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

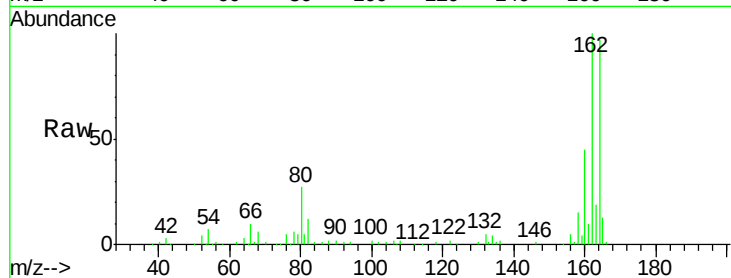




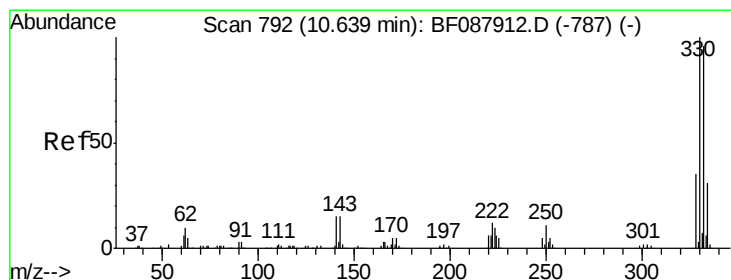
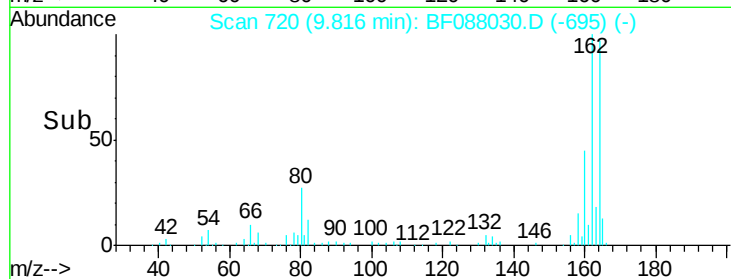
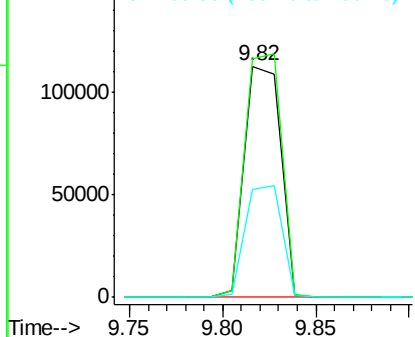
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 720
Delta R.T. -0.01 min
Lab File: BF088030.D
Acq: 15 Jun 2016 6:45

Instrument :
BNA_F
ClientSampleId :
SP16-LF2MW1

Tgt Ion:164 Resp: 154238
Ion Ratio Lower Upper
164 100
162 103.3 85.4 128.2
160 46.8 39.5 59.3

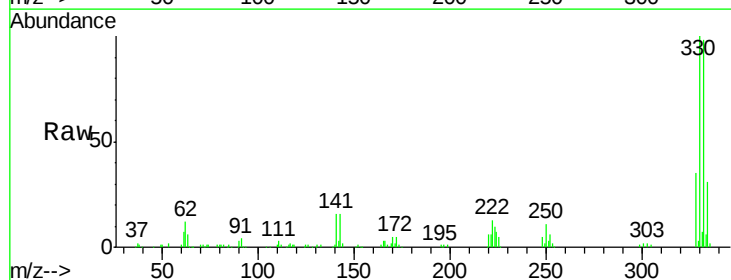


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

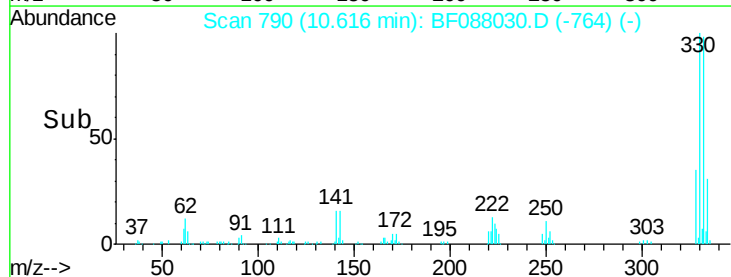
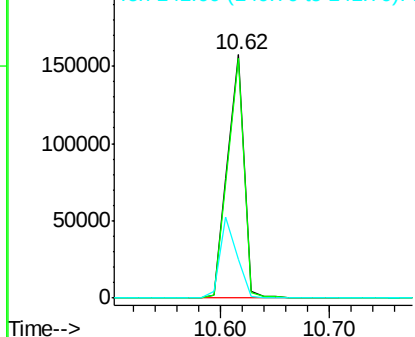


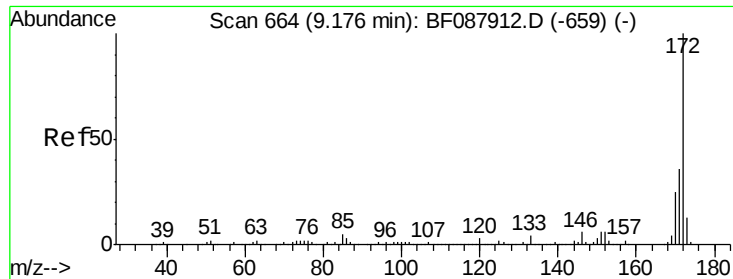
#41
2,4,6-Tribromophenol
Concen: 102.99 ng
RT: 10.62 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF088030.D
Acq: 15 Jun 2016 6:45

Tgt Ion:330 Resp: 167735
Ion Ratio Lower Upper
330 100
332 97.3 0.0 0.0#
141 33.9 0.0 0.0#



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

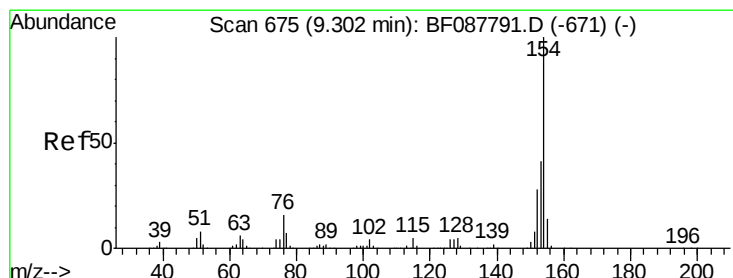
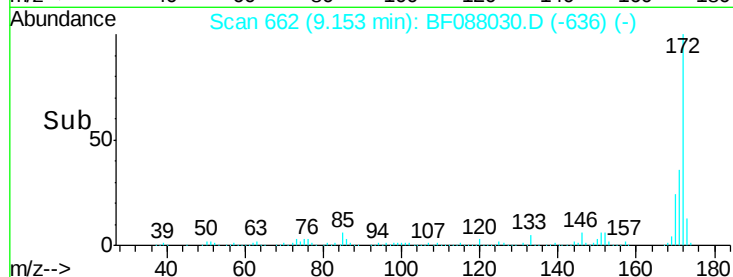
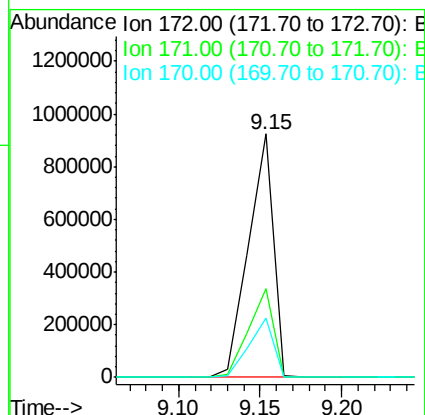
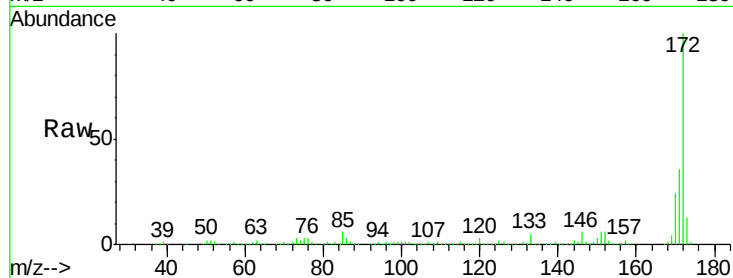




#44
2-Fluorobiphenyl
Concen: 101.18 ng
RT: 9.15 min Scan# 662
Delta R.T. -0.00 min
Lab File: BF088030.D
Acq: 15 Jun 2016 6:45

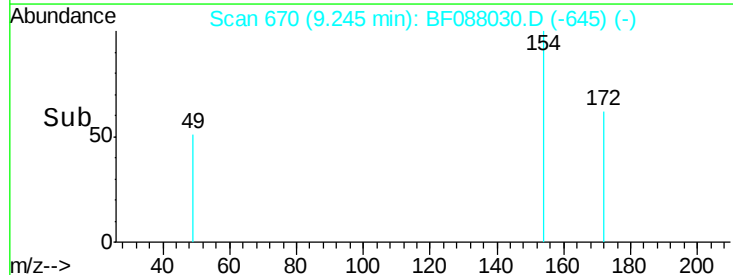
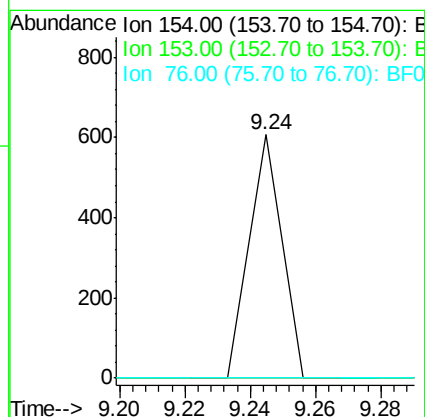
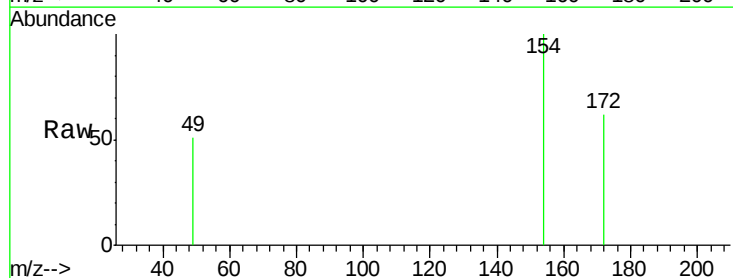
Instrument :
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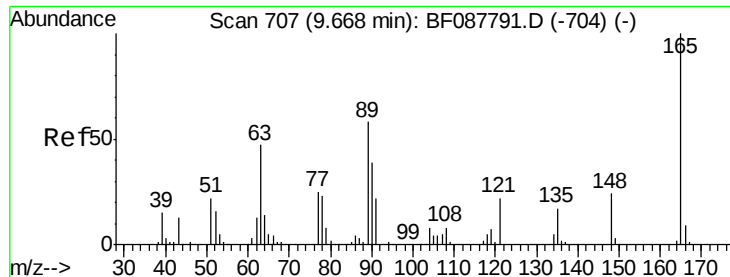
Tgt Ion:172 Resp: 983097
Ion Ratio Lower Upper
172 100
171 36.5 28.6 43.0
170 24.4 19.2 28.8



#45
1,1'-Biphenyl
Concen: Below Cal
RT: 9.24 min Scan# 670
Delta R.T. -0.01 min
Lab File: BF088030.D
Acq: 15 Jun 2016 6:45

Tgt Ion:154 Resp: 416
Ion Ratio Lower Upper
154 100
153 0.0 20.6 60.6#
76 0.0 0.0 35.1

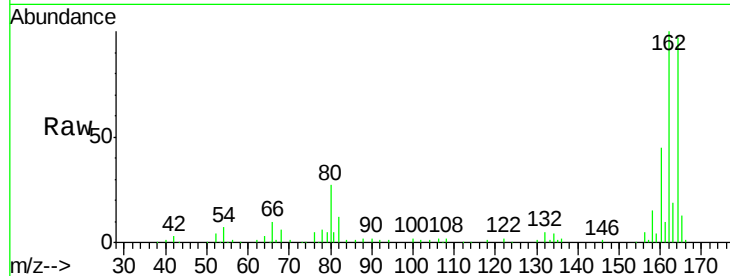




#50
 2,6-Dinitrotoluene
 Concen: 7.57 ng
 RT: 9.82 min Scan# 720
 Delta R.T. 0.19 min
 Lab File: BF088030.D
 Acq: 15 Jun 2016 6:45

Instrument :
 BNA_F
 ClientSampleId :
 SP16-LF2MW1

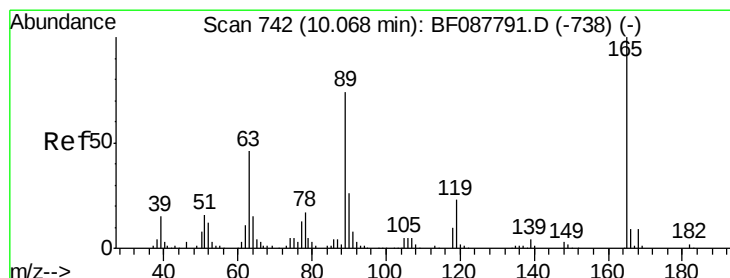
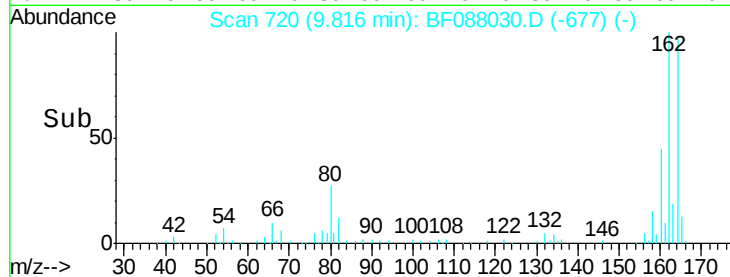
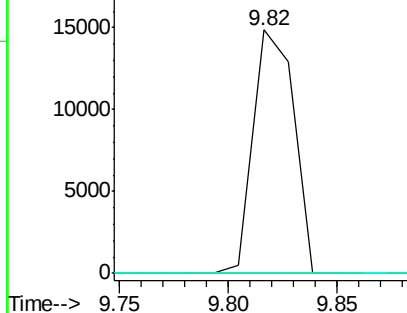
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	0.0	32.2	48.2#



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



#56
 2,4-Dinitrotoluene
 Concen: 5.89 ng
 RT: 9.82 min Scan# 720
 Delta R.T. -0.21 min
 Lab File: BF088030.D
 Acq: 15 Jun 2016 6:45

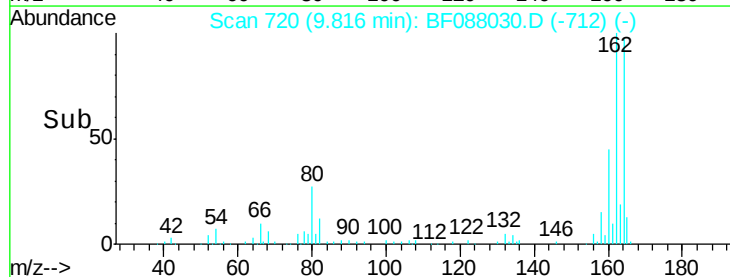
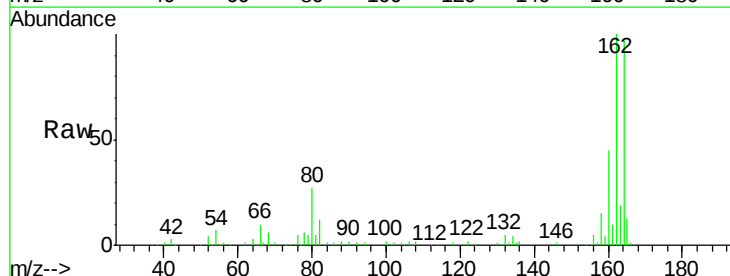
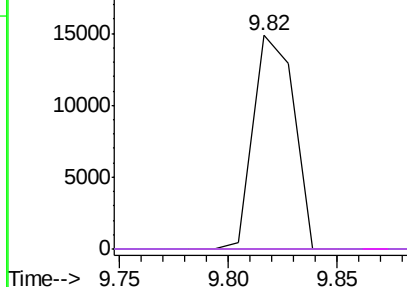
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#

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

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: Below Cal

RT: 10.36 min Scan# 768

Delta R.T. -0.01 min

Lab File: BF088030.D

Acq: 15 Jun 2016 6:45

Instrument :

BNA_F

ClientSampleId :

SP16-LF2MW1

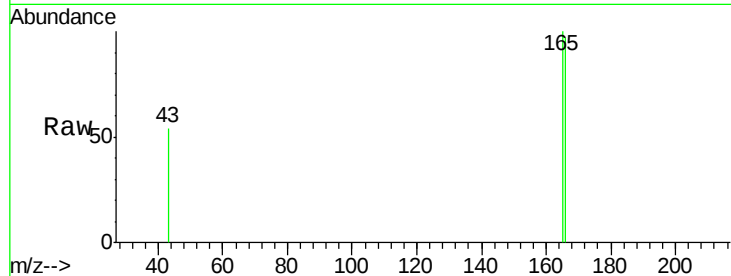
Tgt Ion:166 Resp: 384

Ion Ratio Lower Upper

166 100

165 103.4 77.8 116.8

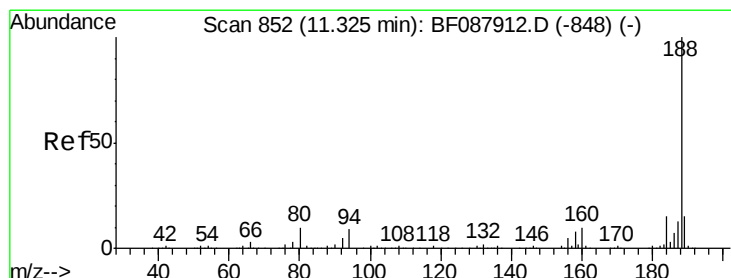
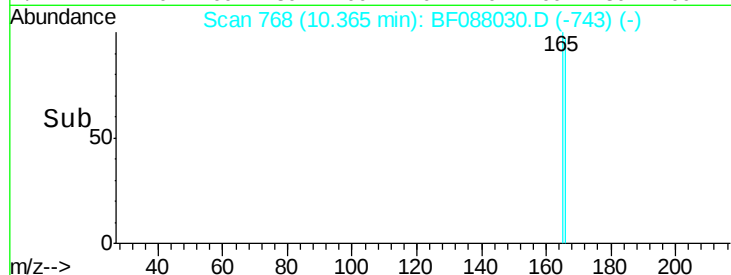
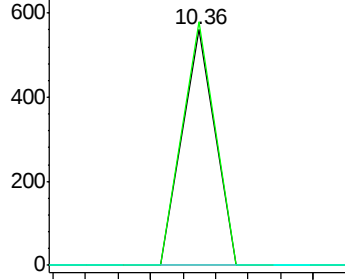
167 0.0 11.2 16.8#



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: 11.30 min Scan# 850

Delta R.T. -0.00 min

Lab File: BF088030.D

Acq: 15 Jun 2016 6:45

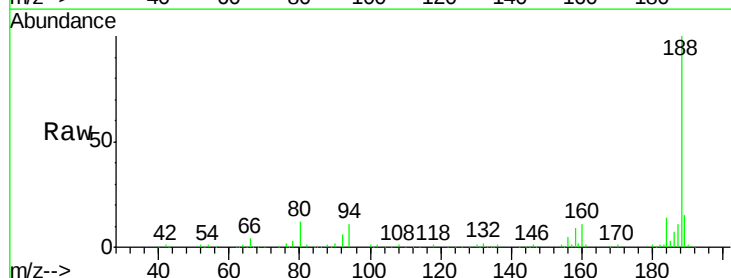
Tgt Ion:188 Resp: 257882

Ion Ratio Lower Upper

188 100

94 11.1 9.0 13.6

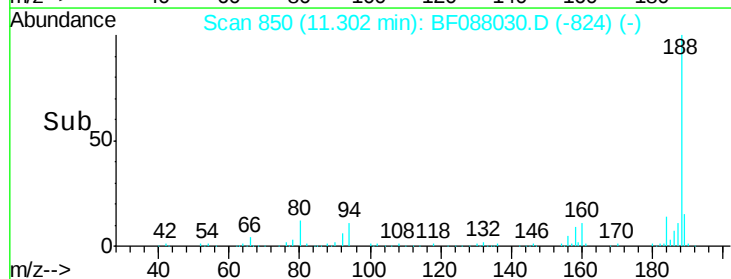
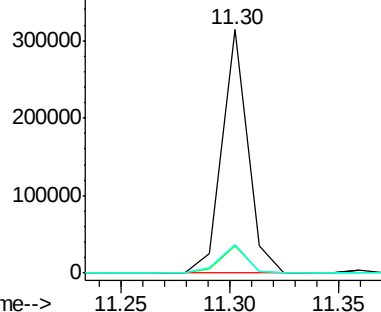
80 11.6 10.0 15.0



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

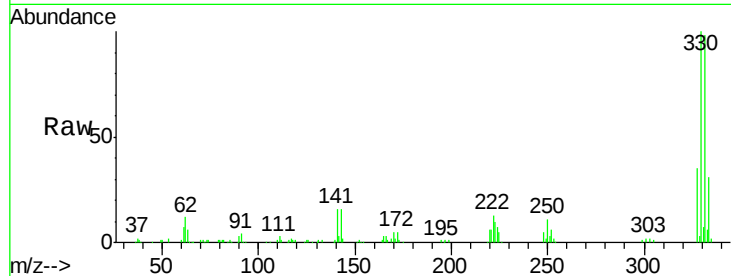




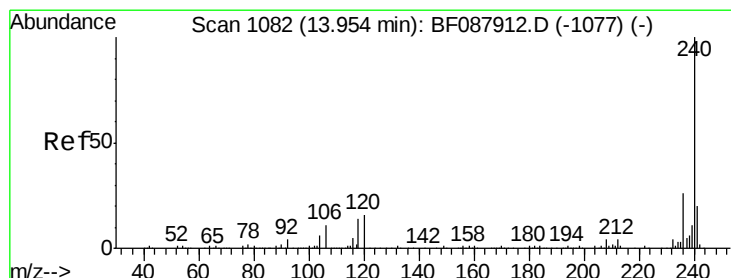
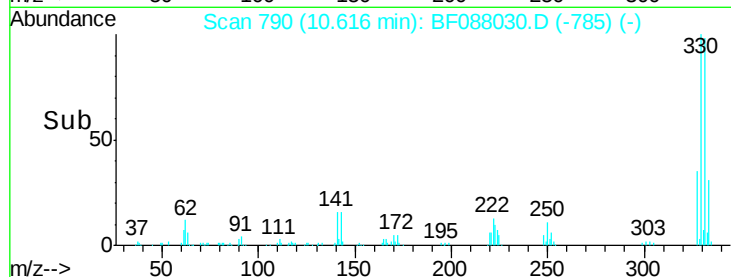
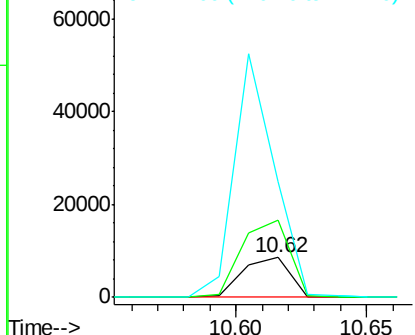
#66
4-Bromophenyl-phenylether
Concen: 3.94 ng
RT: 10.62 min Scan# 790
Delta R.T. -0.24 min
Lab File: BF088030.D
Acq: 15 Jun 2016 6:45

Instrument :
BNA_F
ClientSampleId :
SP16-LF2MW1

Tgt Ion:248 Resp: 10893
Ion Ratio Lower Upper
248 100
250 195.1 77.1 115.7#
141 293.2 50.6 76.0#

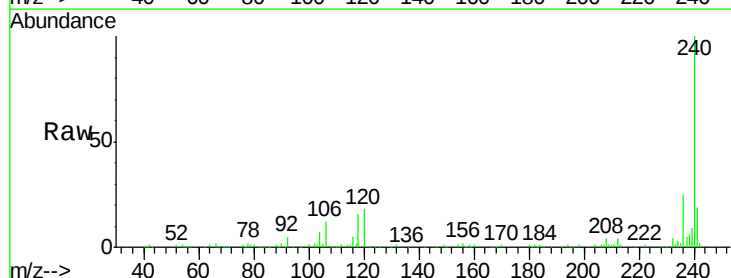


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

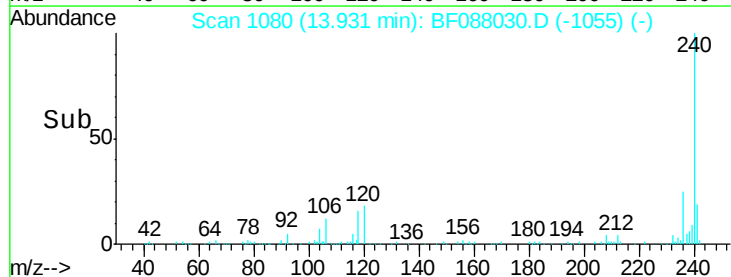
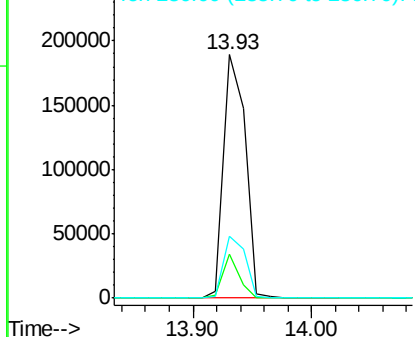


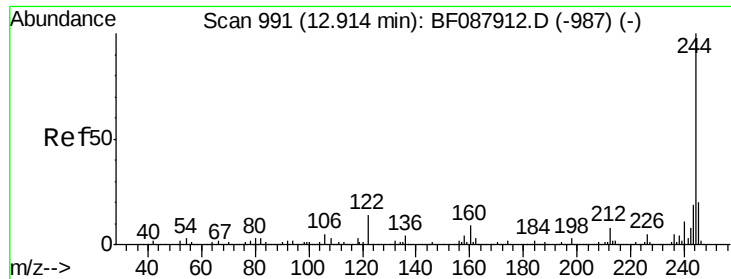
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 1080
Delta R.T. -0.01 min
Lab File: BF088030.D
Acq: 15 Jun 2016 6:45

Tgt Ion:240 Resp: 239565
Ion Ratio Lower Upper
240 100
120 18.1 6.8 10.2#
236 25.4 20.2 30.2



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

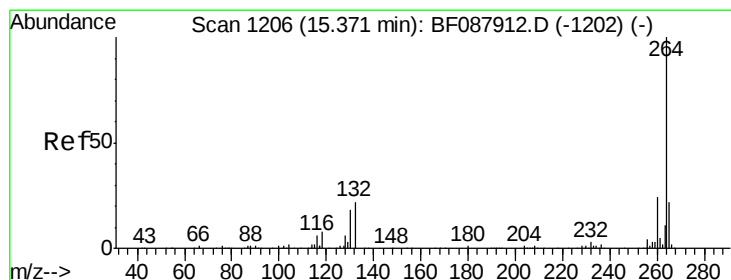
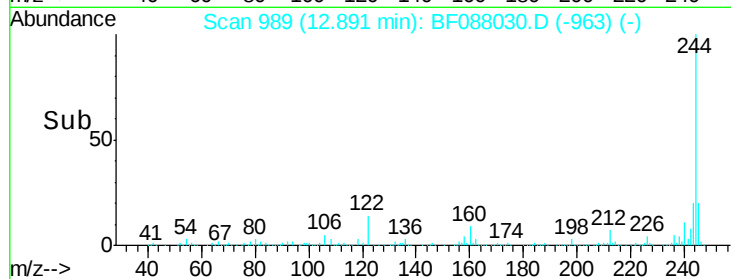
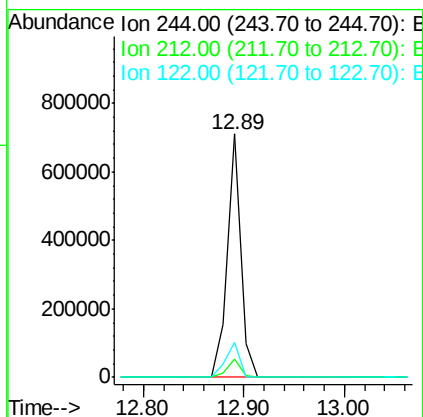
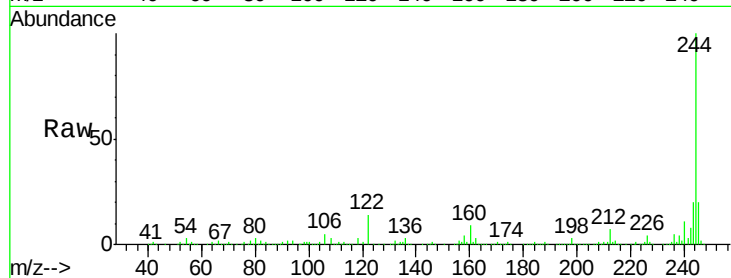




#78
 Terphenyl-d14
 Concen: 63.02 ng
 RT: 12.89 min Scan# 989
 Delta R.T. -0.00 min
 Lab File: BF088030.D
 Acq: 15 Jun 2016 6:45

Instrument :
 BNA_F
 ClientSampleId :
 SP16-LF2MW1

Tgt Ion:244 Resp: 663472
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 14.1 11.2 16.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.35 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF088030.D
 Acq: 15 Jun 2016 6:45

Tgt Ion:264 Resp: 190115
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 21.1 16.9 25.3

