

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061816\
 Data File : BF088157.D
 Acq On : 19 Jun 2016 2:49
 Operator : UM/SJ
 Sample : H3628-01
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-1A

Quant Time: Jun 19 07:54:13 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 17 16:09:13 2016
 Response via : Initial Calibration

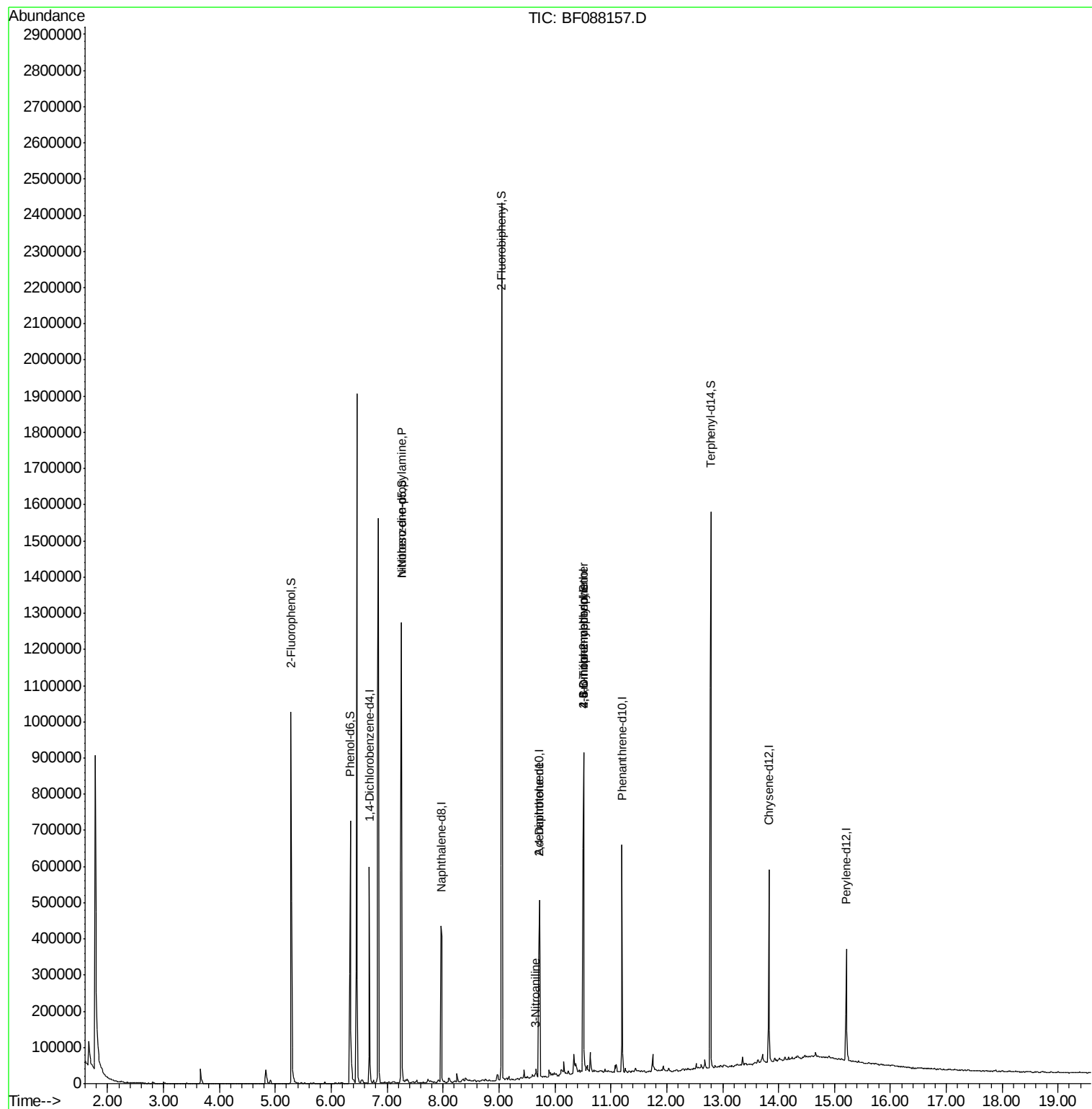
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	89829	20.00	ng	-0.01
21) Naphthalene-d8	7.98	136	305210	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	122349	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	207232	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	171893	20.00	ng	-0.02
86) Perylene-d12	15.21	264	128818	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	375971	71.55	ng	0.00
7) Phenol-d6	6.34	99	300430	47.18	ng	-0.01
23) Nitrobenzene-d5	7.26	82	473084	90.51	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	144767	112.06	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	746811	96.65	ng	-0.02
78) Terphenyl-d14	12.79	244	607462	80.42	ng	-0.01
Target Compounds						
10) Phenol	6.35	94	1245	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.26	70	62323	15.30	ng	# 69
45) 1,1'-Biphenyl	9.05	154	1529	Below Cal	#	1
52) 3-Nitroaniline	9.66	138	6791	2.90	ng	# 1
56) 2,4-Dinitrotoluene	9.72	165	15568	5.97	ng	# 38
57) Fluorene	10.26	166	734	Below Cal	#	81
64) 4,6-Dinitro-2-methylphenol	10.51	198	226	2.33	ng	# 1
66) 4-Bromophenyl-phenylether	10.51	248	9630	4.33	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: 6.68 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF088157.D

Acq: 19 Jun 2016 2:49

Instrument :

BNA_F

ClientSampleId :

W-1A

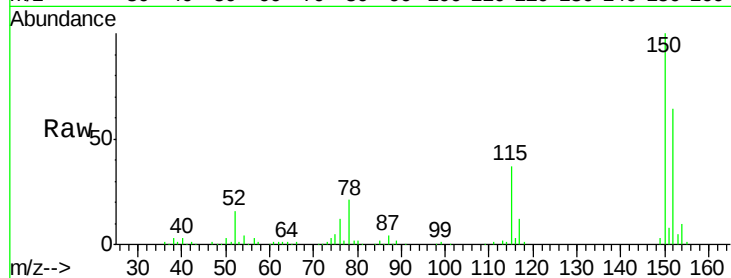
Tgt Ion:152 Resp: 89829

Ion Ratio Lower Upper

152 100

150 155.2 123.8 185.6

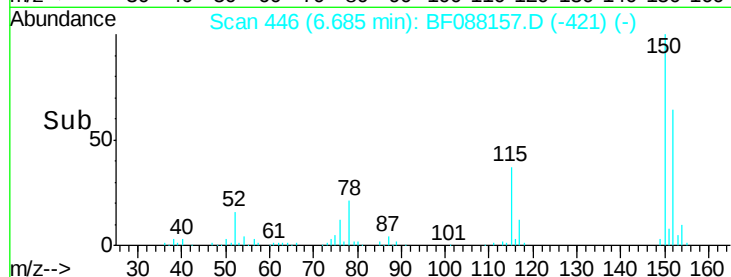
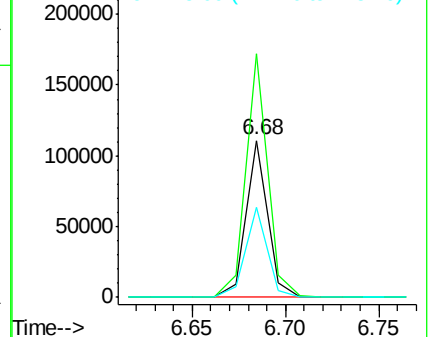
115 57.4 39.6 59.4



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: 71.55 ng

RT: 5.28 min Scan# 323

Delta R.T. -0.00 min

Lab File: BF088157.D

Acq: 19 Jun 2016 2:49

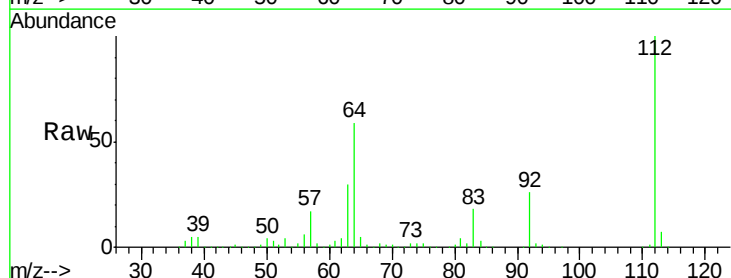
Tgt Ion:112 Resp: 375971

Ion Ratio Lower Upper

112 100

64 59.0 42.2 63.2

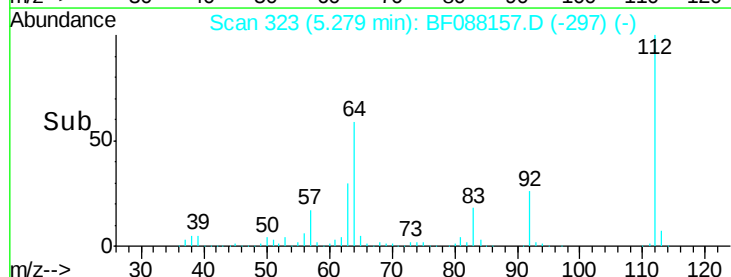
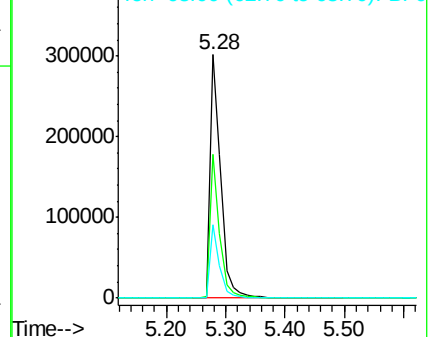
63 30.2 21.8 32.8

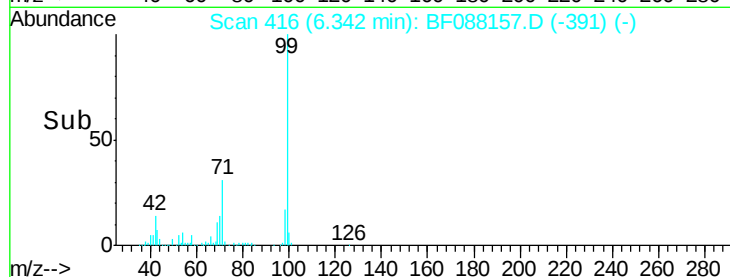
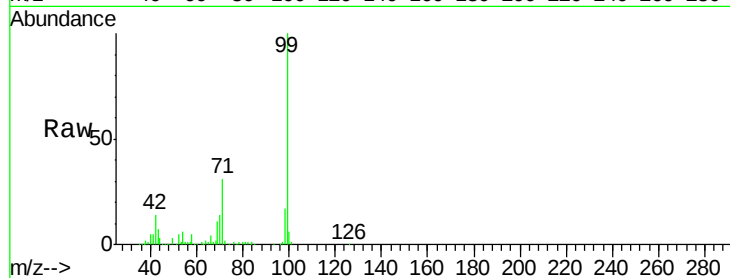
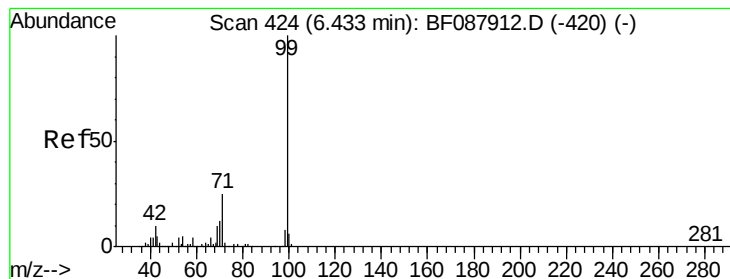


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 47.18 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF088157.D

Acq: 19 Jun 2016 2:49

Instrument :

BNA_F

ClientSampleId :

W-1A

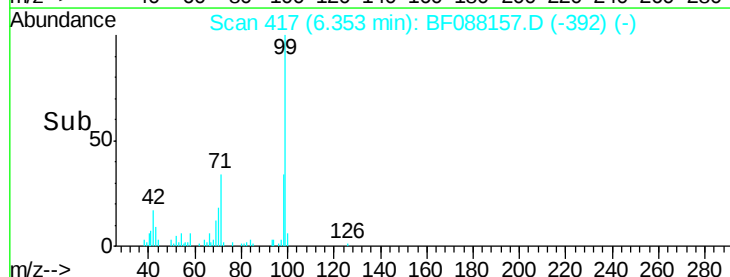
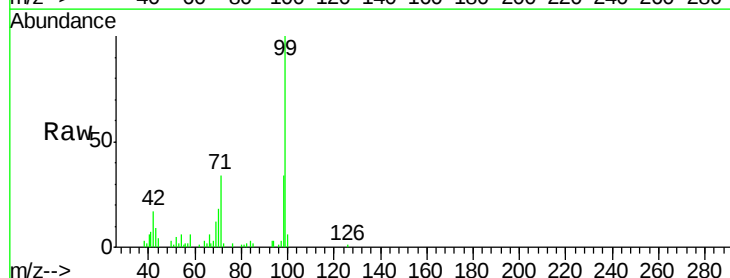
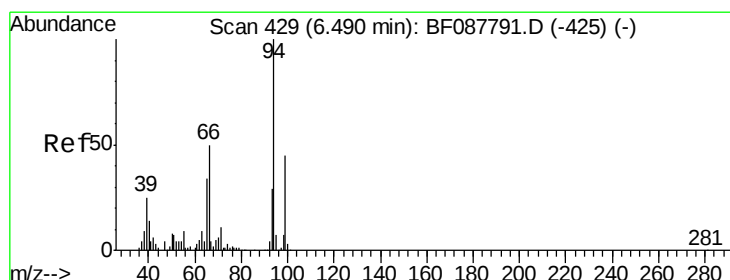
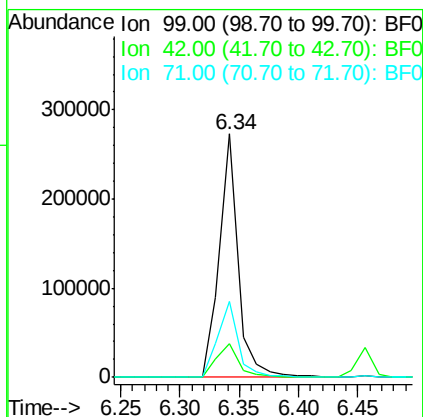
Tgt Ion: 99 Resp: 300430

Ion Ratio Lower Upper

99 100

42 13.9 12.2 18.2

71 31.3 23.4 35.0



#10

Phenol

Concen: Below Cal

RT: 6.35 min Scan# 417

Delta R.T. -0.01 min

Lab File: BF088157.D

Acq: 19 Jun 2016 2:49

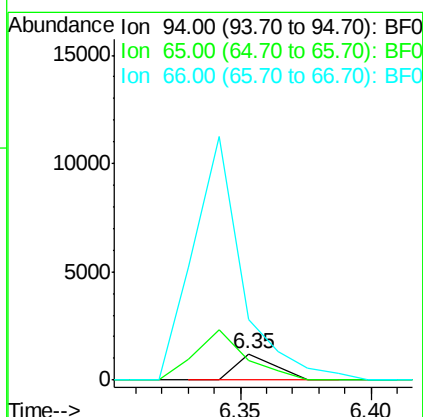
Tgt Ion: 94 Resp: 1245

Ion Ratio Lower Upper

94 100

65 74.0 5.9 45.9#

66 225.9 14.0 54.0#

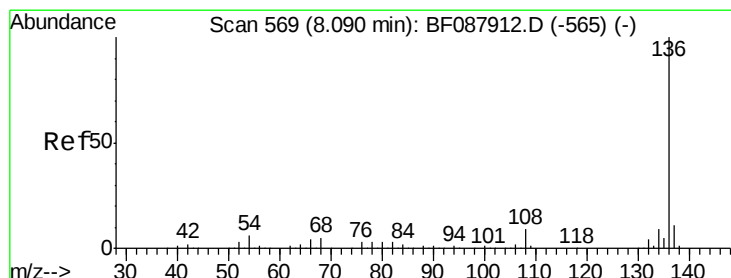
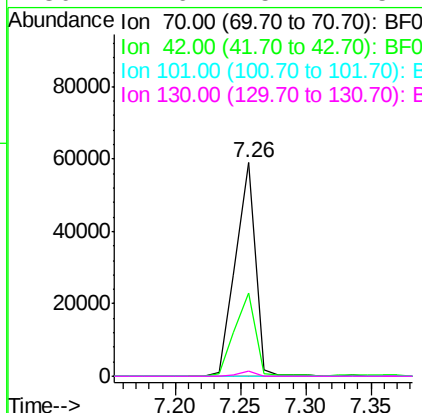
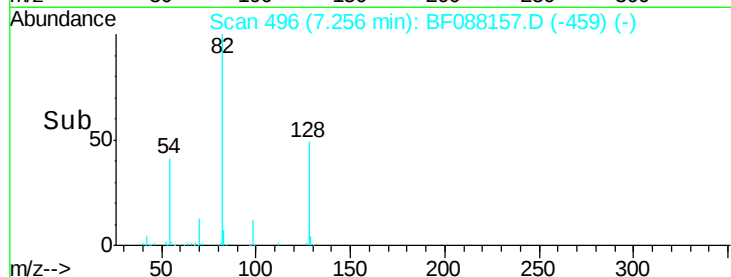
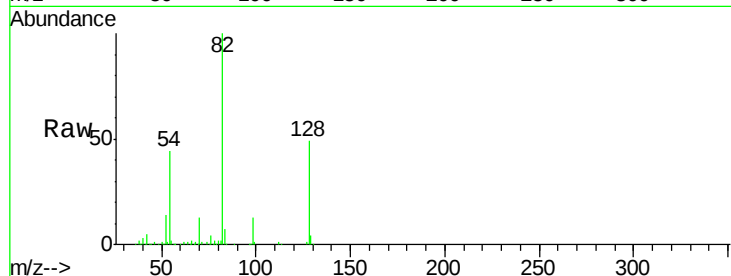




#19
n-Nitroso-di-n-propylamine
Concen: 15.30 ng
RT: 7.26 min Scan# 496
Delta R.T. 0.13 min
Lab File: BF088157.D
Acq: 19 Jun 2016 2:49

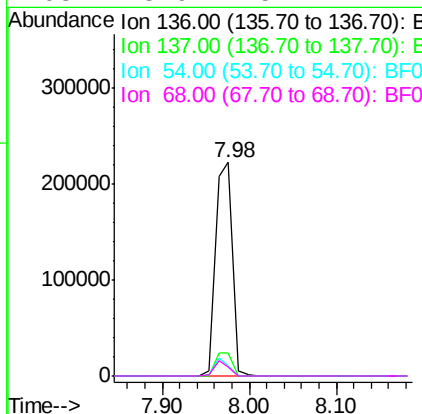
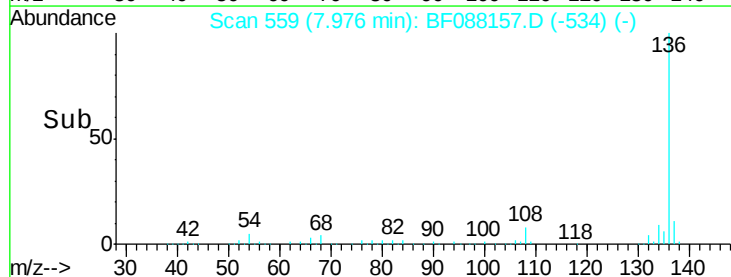
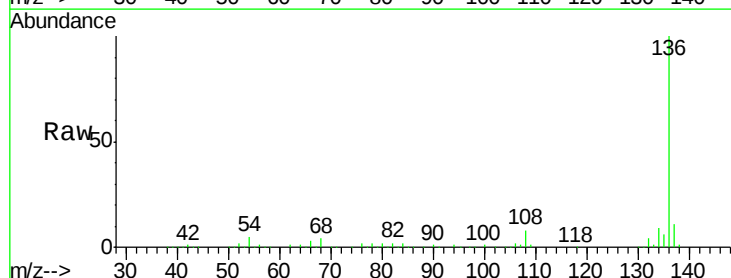
Instrument :
BNA_F
ClientSampleId :
W-1A

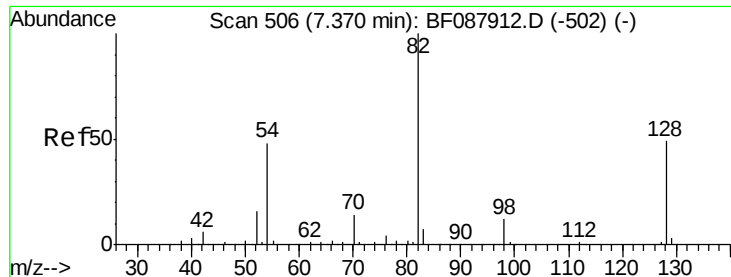
Tgt Ion: 70 Resp: 62323
Ion Ratio Lower Upper
70 100
42 39.2 49.6 74.4#
101 0.0 7.1 10.7#
130 2.6 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF088157.D
Acq: 19 Jun 2016 2:49

Tgt Ion: 136 Resp: 305210
Ion Ratio Lower Upper
136 100
137 10.5 9.1 13.7
54 4.5 6.6 10.0#
68 3.9 5.1 7.7#

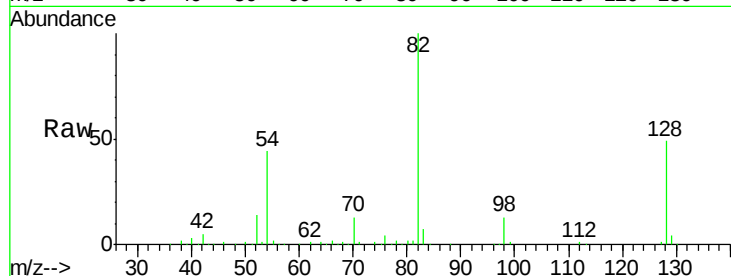




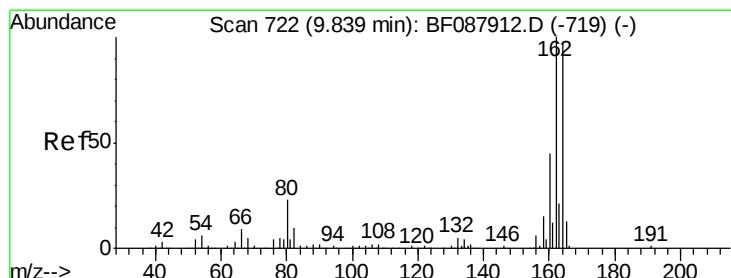
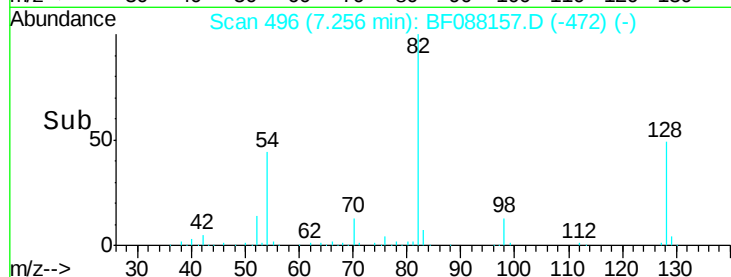
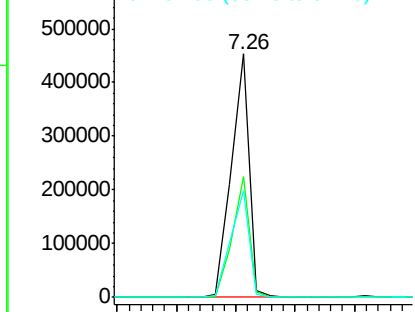
#23
 Nitrobenzene-d5
 Concen: 90.51 ng
 RT: 7.26 min Scan# 496
 Delta R.T. -0.02 min
 Lab File: BF088157.D
 Acq: 19 Jun 2016 2:49

Instrument :
 BNA_F
 ClientSampleId :
 W-1A

Tgt Ion: 82 Resp: 473084
 Ion Ratio Lower Upper
 82 100
 128 49.4 35.9 53.9
 54 44.1 40.9 61.3

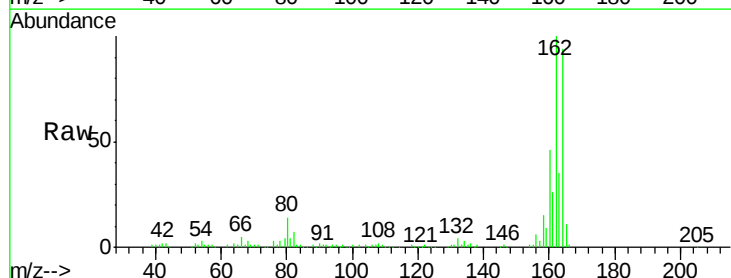


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

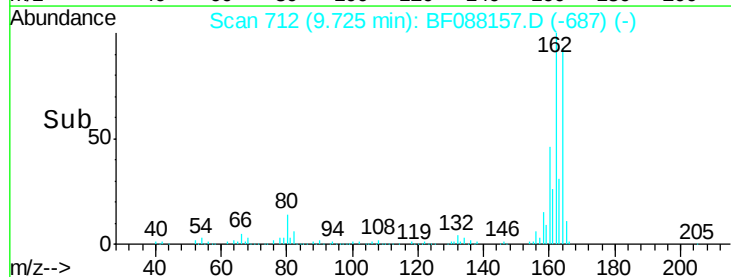
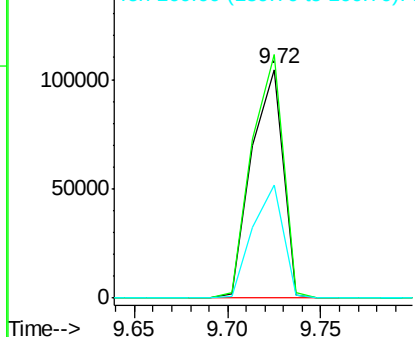


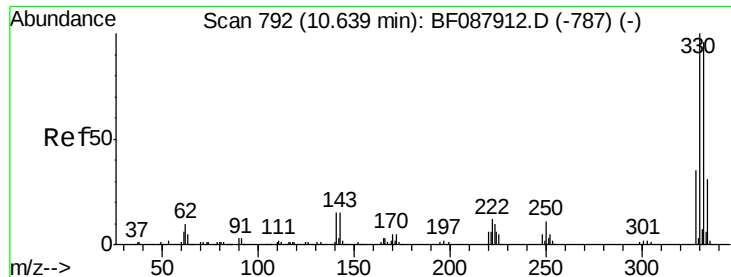
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.72 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: BF088157.D
 Acq: 19 Jun 2016 2:49

Tgt Ion: 164 Resp: 122349
 Ion Ratio Lower Upper
 164 100
 162 106.4 85.4 128.2
 160 49.2 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

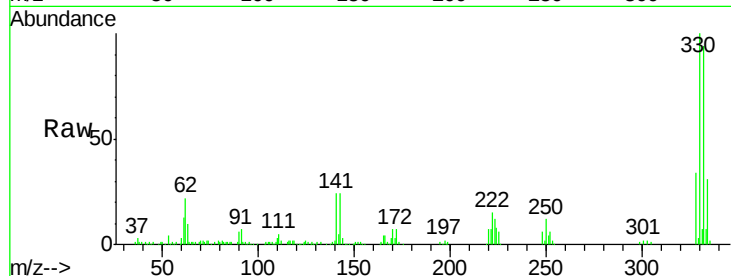




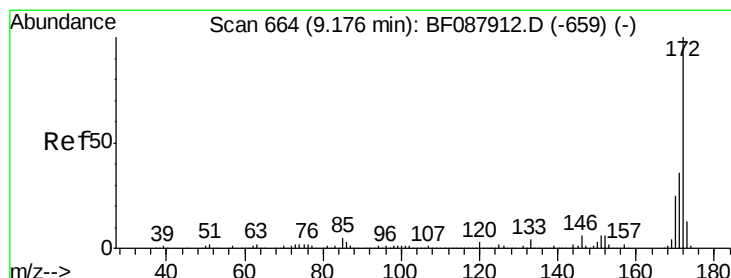
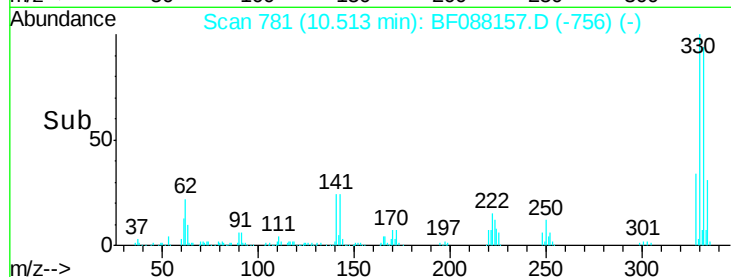
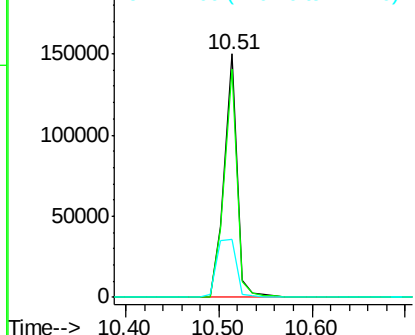
#41
 2,4,6-Tribromophenol
 Concen: 112.06 ng
 RT: 10.51 min Scan# 781
 Delta R.T. -0.01 min
 Lab File: BF088157.D
 Acq: 19 Jun 2016 2:49

Instrument :
 BNA_F
 ClientSampleId :
 W-1A

Tgt Ion:330 Resp: 144767
 Ion Ratio Lower Upper
 330 100
 332 94.7 0.0 0.0#
 141 36.9 0.0 0.0#

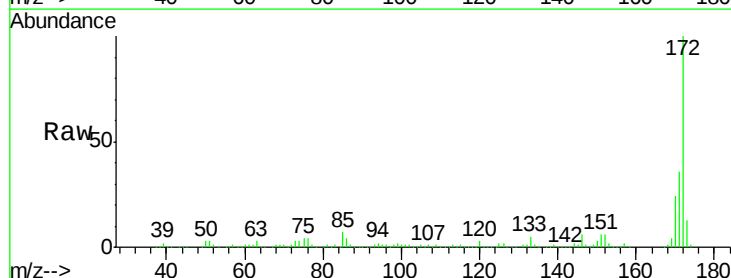


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

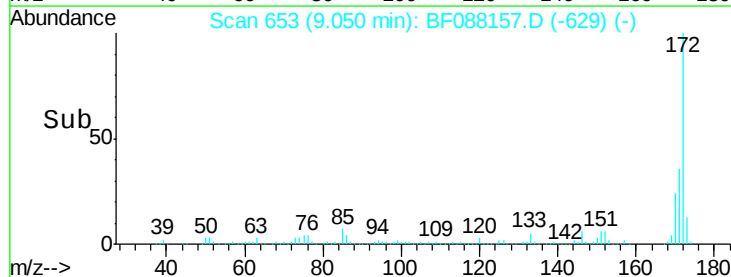
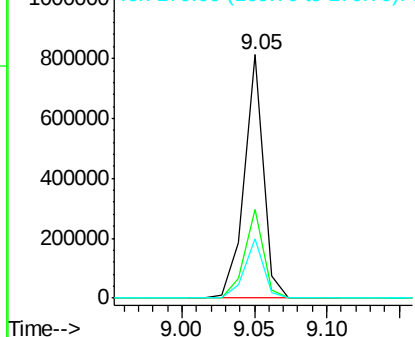


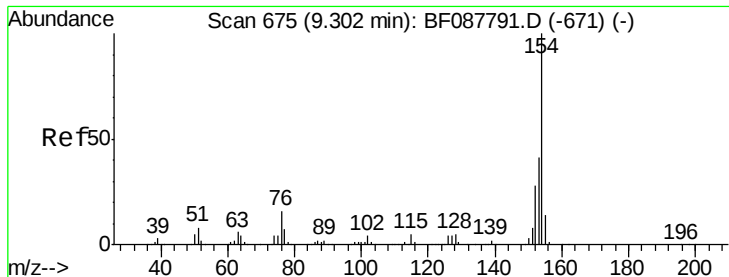
#44
 2-Fluorobiphenyl
 Concen: 96.65 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF088157.D
 Acq: 19 Jun 2016 2:49

Tgt Ion:172 Resp: 746811
 Ion Ratio Lower Upper
 172 100
 171 36.4 28.6 43.0
 170 24.1 19.2 28.8



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





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 9.05 min Scan# 653

Delta R.T. -0.11 min

Lab File: BF088157.D

Acq: 19 Jun 2016 2:49

Instrument :

BNA_F

ClientSampleId :

W-1A

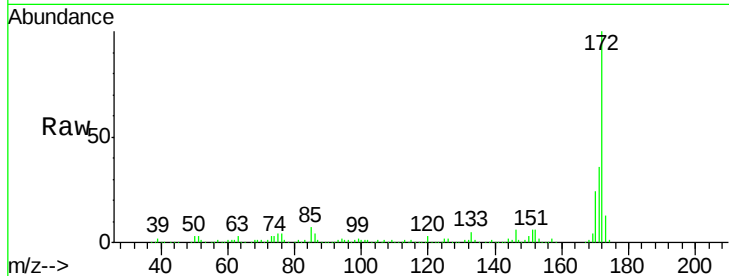
Tgt Ion:154 Resp: 1529

Ion Ratio Lower Upper

154 100

153 918.2 20.6 60.6#

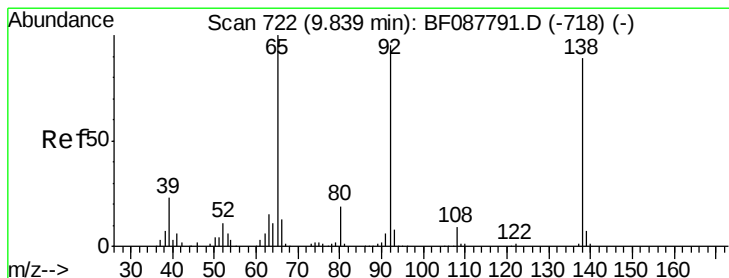
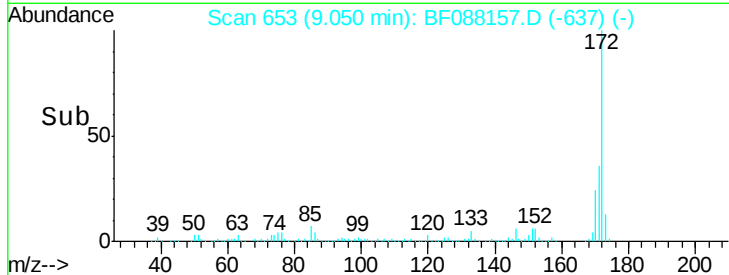
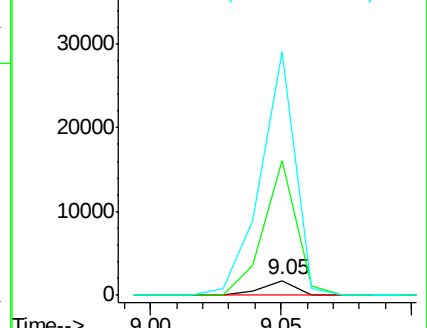
76 1659.9 0.0 35.1#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#52

3-Nitroaniline

Concen: 2.90 ng

RT: 9.66 min Scan# 706

Delta R.T. -0.05 min

Lab File: BF088157.D

Acq: 19 Jun 2016 2:49

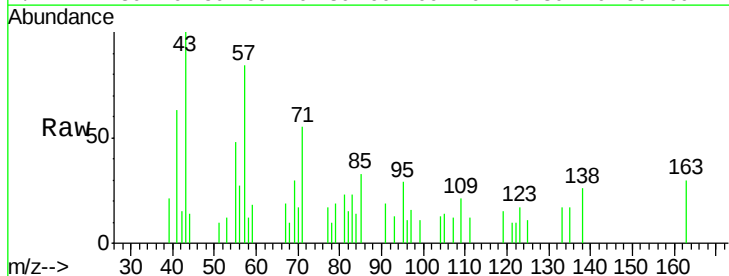
Tgt Ion:138 Resp: 6791

Ion Ratio Lower Upper

138 100

108 0.0 8.5 12.7#

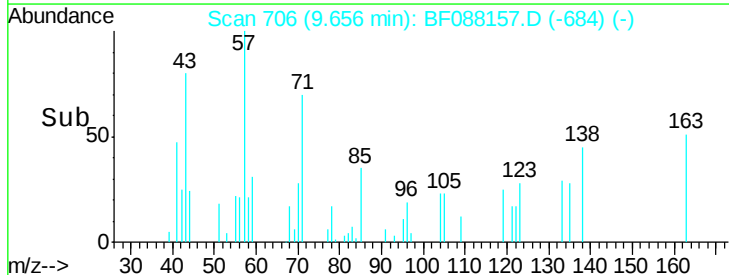
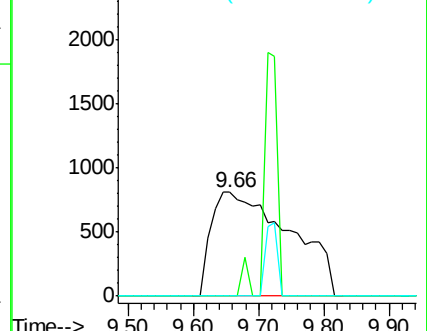
92 0.0 95.7 143.5#

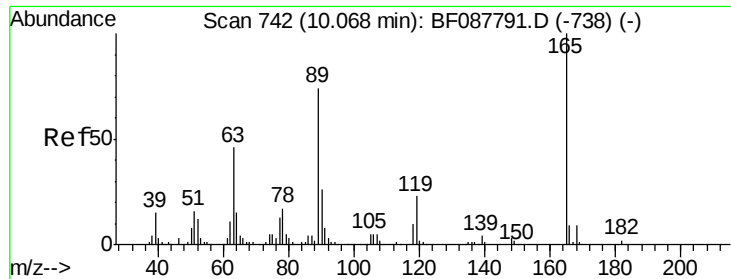


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

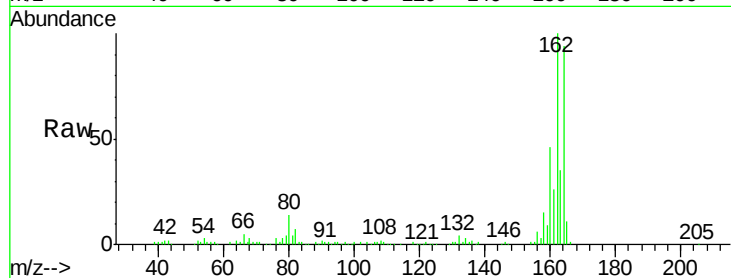




#56
2,4-Dinitrotoluene
Concen: 5.97 ng
RT: 9.72 min Scan# 712
Delta R.T. -0.22 min
Lab File: BF088157.D
Acq: 19 Jun 2016 2:49

Instrument :
BNA_F
ClientSampleId :
W-1A

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	2.5	41.1	61.7#
182	0.0	2.0	3.0#

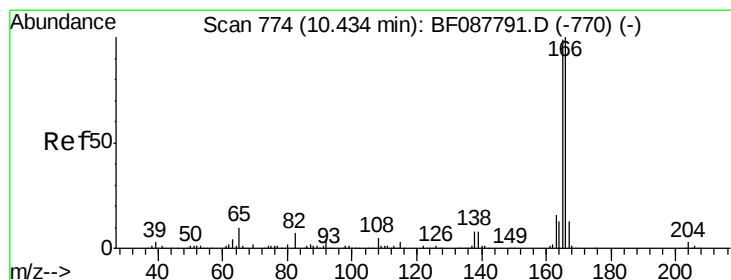
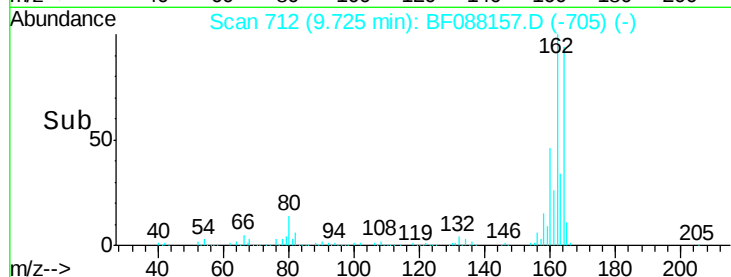
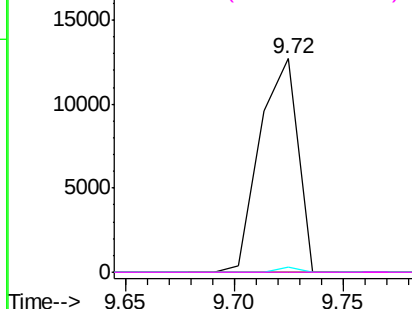


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

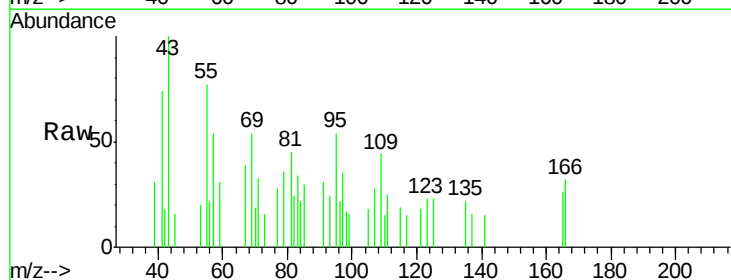
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: Below Cal
RT: 10.26 min Scan# 759
Delta R.T. -0.02 min
Lab File: BF088157.D
Acq: 19 Jun 2016 2:49

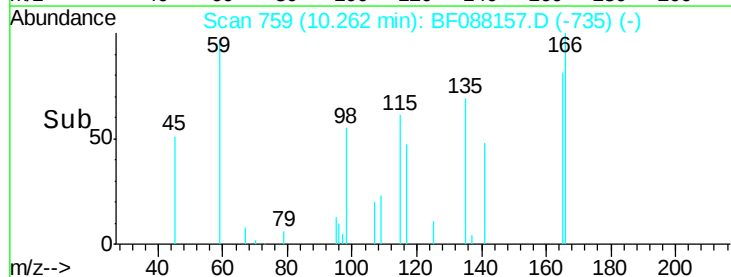
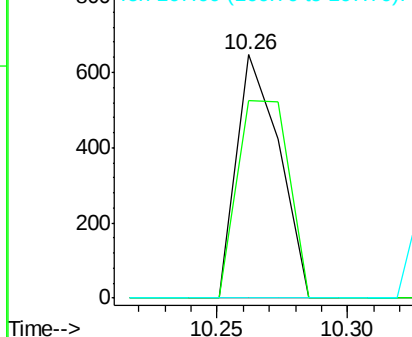
Tgt Ion	Ratio	Lower	Upper
166	100		
165	81.0	77.8	116.8
167	0.0	11.2	16.8#

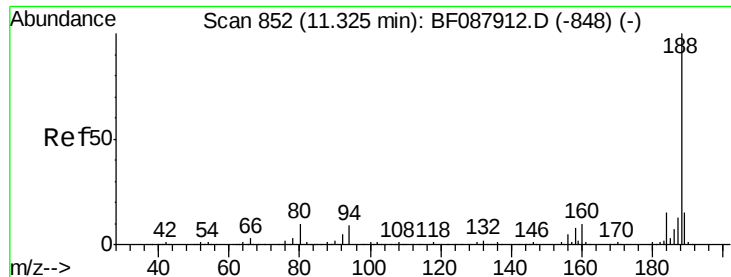


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

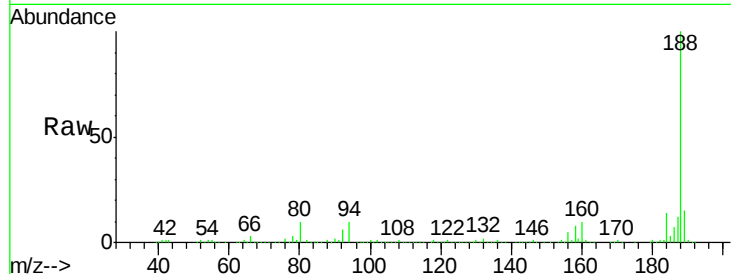




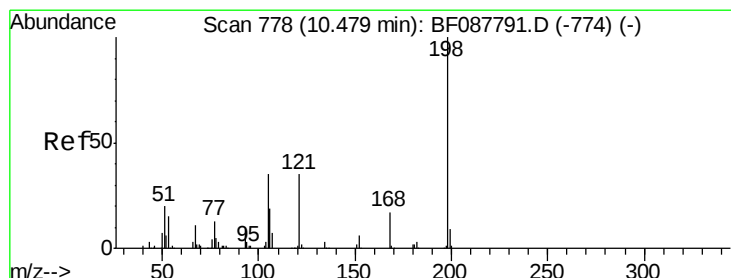
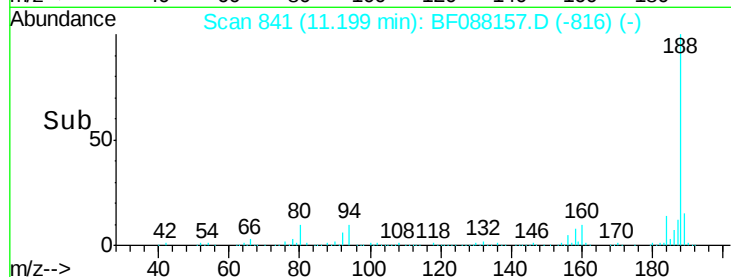
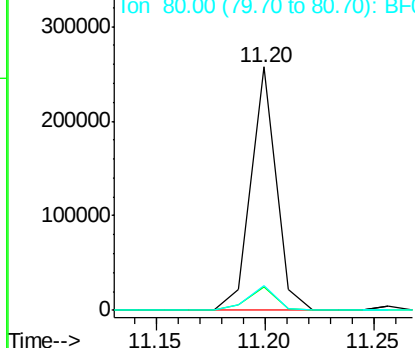
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 841
Delta R.T. -0.01 min
Lab File: BF088157.D
Acq: 19 Jun 2016 2:49

Instrument :
BNA_F
ClientSampleId :
W-1A

Tgt Ion:188 Resp: 207232
Ion Ratio Lower Upper
188 100
94 9.8 9.0 13.6
80 9.9 10.0 15.0#

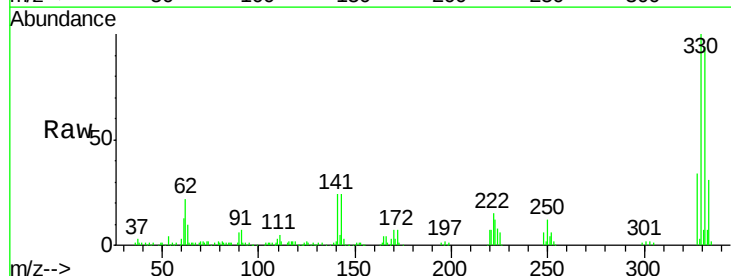


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

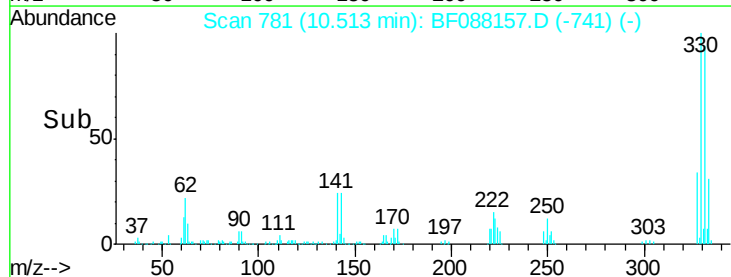
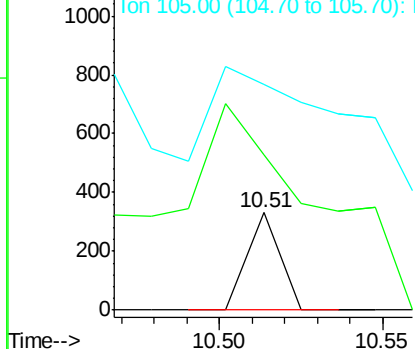


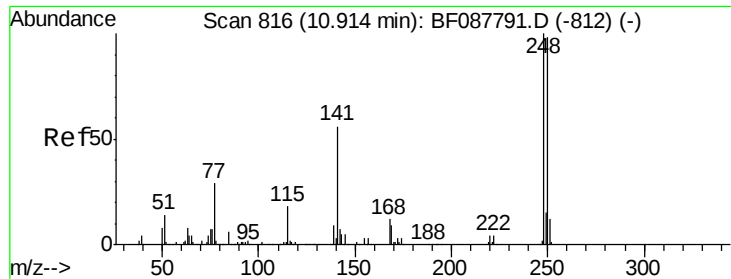
#64
4,6-Dinitro-2-methylphenol
Concen: 2.33 ng
RT: 10.51 min Scan# 781
Delta R.T. 0.16 min
Lab File: BF088157.D
Acq: 19 Jun 2016 2:49

Tgt Ion:198 Resp: 226
Ion Ratio Lower Upper
198 100
51 160.6 39.6 79.6#
105 232.7 36.6 76.6#



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

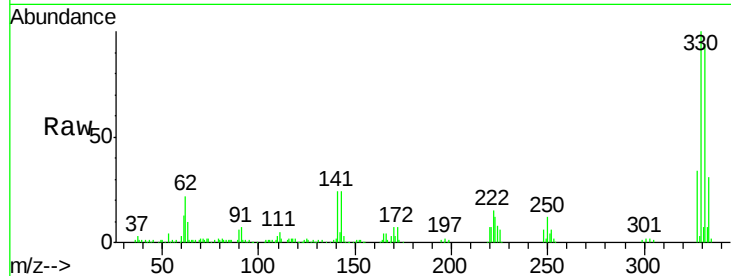




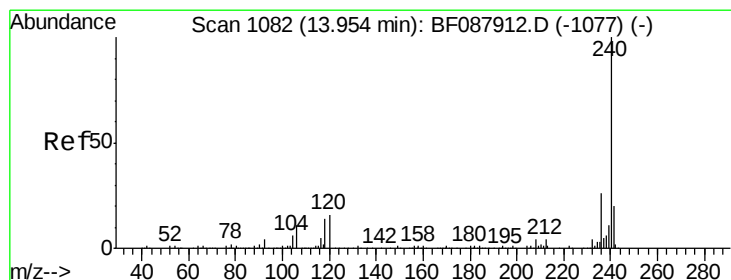
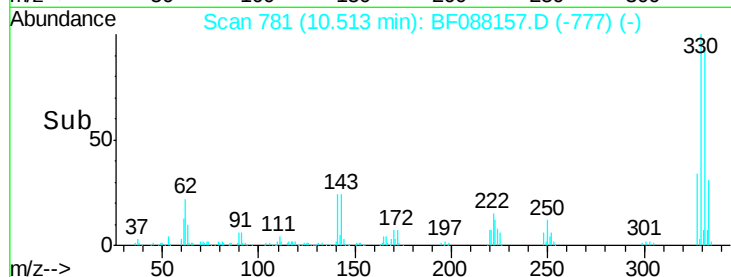
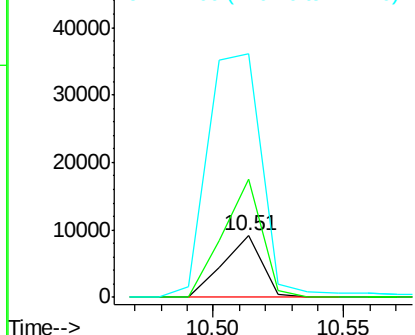
#66
4-Bromophenyl-phenylether
Concen: 4.33 ng
RT: 10.51 min Scan# 781
Delta R.T. -0.25 min
Lab File: BF088157.D
Acq: 19 Jun 2016 2:49

Instrument :
BNA_F
ClientSampleId :
W-1A

Tgt Ion:248 Resp: 9630
Ion Ratio Lower Upper
248 100
250 193.2 77.1 115.7#
141 396.7 50.6 76.0#

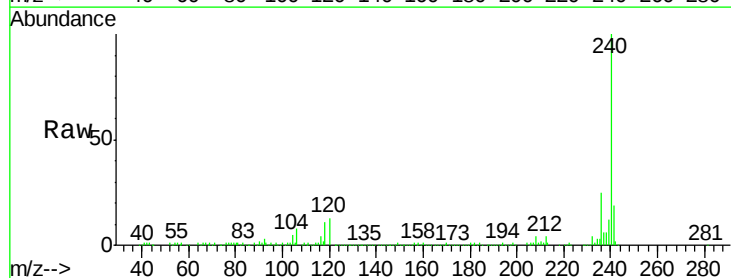


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

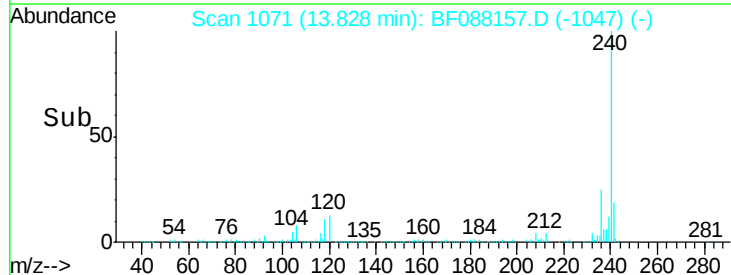
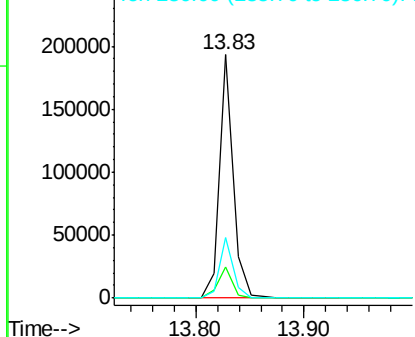


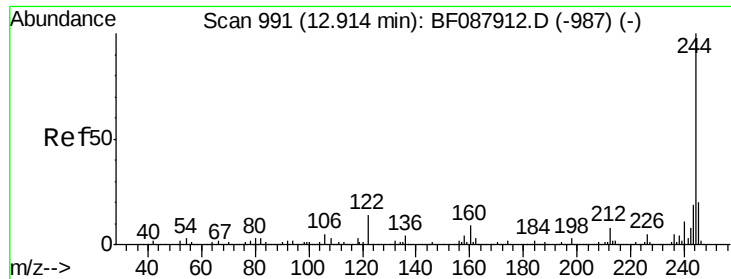
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.83 min Scan# 1071
Delta R.T. -0.02 min
Lab File: BF088157.D
Acq: 19 Jun 2016 2:49

Tgt Ion:240 Resp: 171893
Ion Ratio Lower Upper
240 100
120 12.6 6.8 10.2#
236 25.0 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

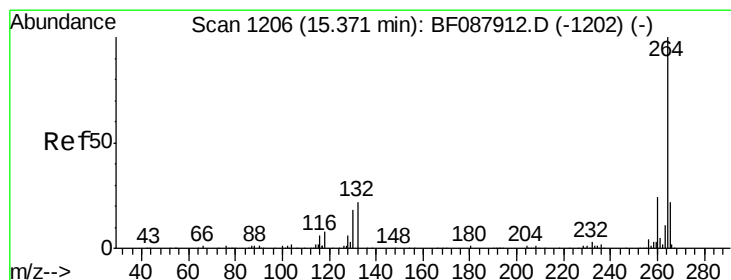
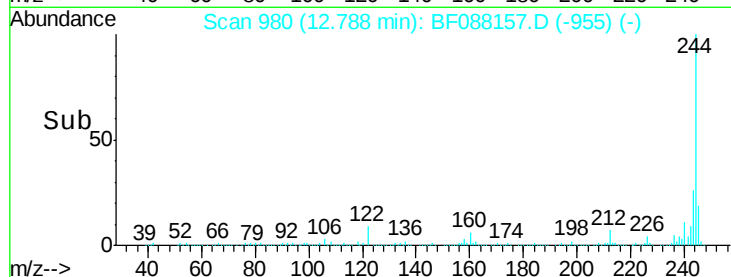
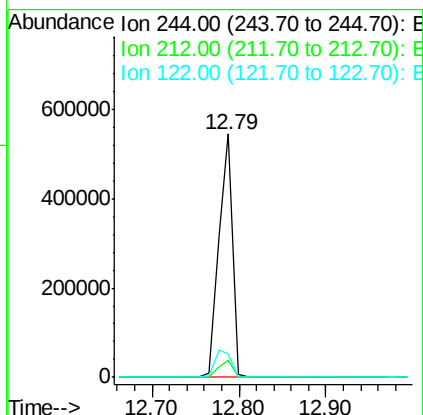
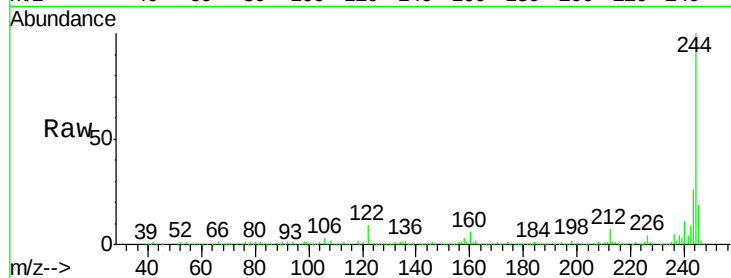




#78
 Terphenyl-d14
 Concen: 80.42 ng
 RT: 12.79 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: BF088157.D
 Acq: 19 Jun 2016 2:49

Instrument :
 BNA_F
 ClientSampleId :
 W-1A

Tgt Ion:244 Resp: 607462
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 9.5 11.2 16.8#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.21 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF088157.D
 Acq: 19 Jun 2016 2:49

Tgt Ion:264 Resp: 128818
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 21.4 16.9 25.3

