

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060516\
 Data File : BF087713.D
 Acq On : 5 Jun 2016 17:50
 Operator : UM/SJ
 Sample : H3362-05
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP16-MMW0002

Quant Time: Jun 06 03:09:07 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 04 11:07:28 2016
 Response via : Initial Calibration

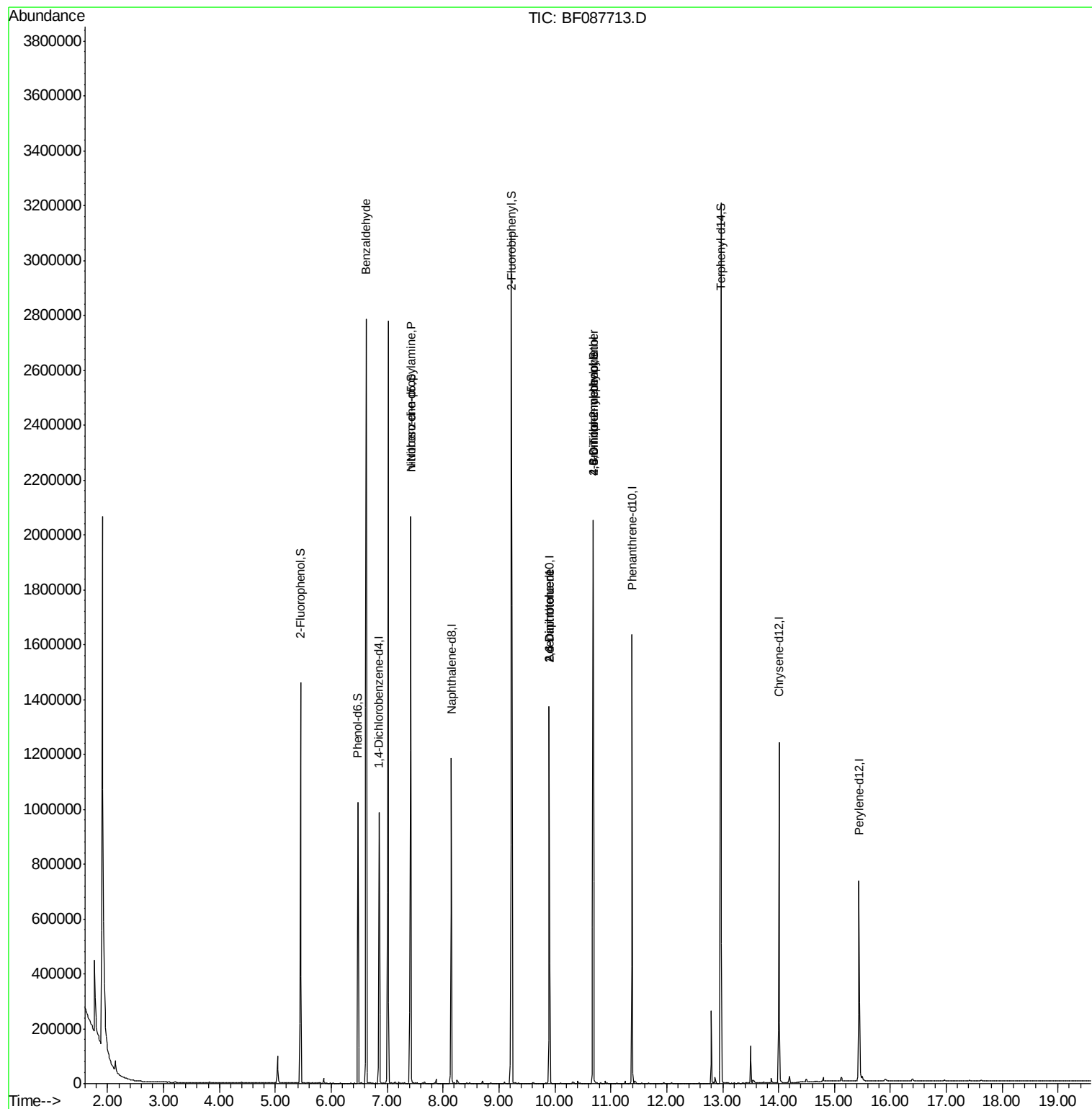
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	151052	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	644708	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	284101	20.00	ng	-0.01
63) Phenanthrene-d10	11.38	188	573347	20.00	ng	0.00
75) Chrysene-d12	14.01	240	409604	20.00	ng	-0.01
86) Perylene-d12	15.44	264	333827	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	431055	46.12	ng	0.00
7) Phenol-d6	6.48	99	331214	28.26	ng	-0.01
23) Nitrobenzene-d5	7.43	82	841697	75.53	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	321771	112.83	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1387034	71.18	ng	-0.01
78) Terphenyl-d14	12.97	244	1132126	67.44	ng	0.00
Target Compounds						
9) Benzaldehyde	6.63	77	19994	2.52	ng	# 68
19) n-Nitroso-di-n-propylamine	7.43	70	112382	15.35	ng	# 73
50) 2,6-Dinitrotoluene	9.90	165	37085	7.89	ng	# 39
56) 2,4-Dinitrotoluene	9.90	165	37086	6.20	ng	# 38
64) 4,6-Dinitro-2-methylphenol	10.68	198	484	2.16	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	17763	3.12	ng	# 1

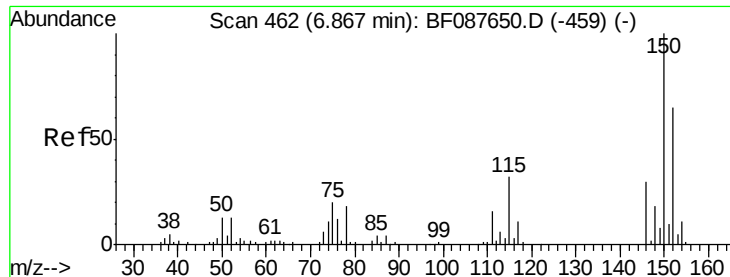
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 461

Delta R.T. -0.01 min

Lab File: BF087713.D

Acq: 5 Jun 2016 17:50

Instrument :

BNA_F

ClientSampleId :

SP16-MMW0002

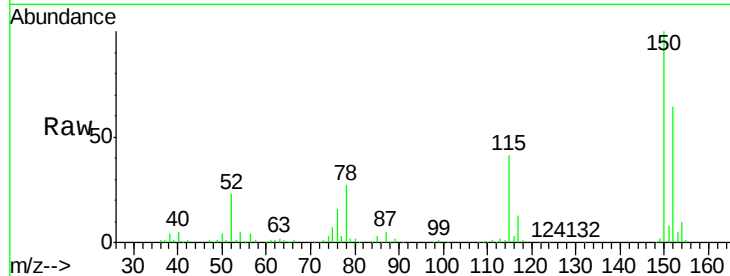
Tgt Ion:152 Resp: 151052

Ion Ratio Lower Upper

152 100

150 157.1 123.8 185.6

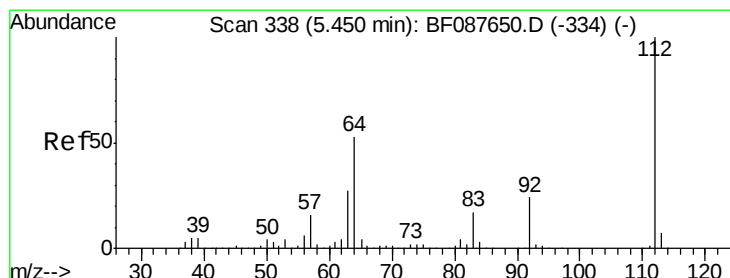
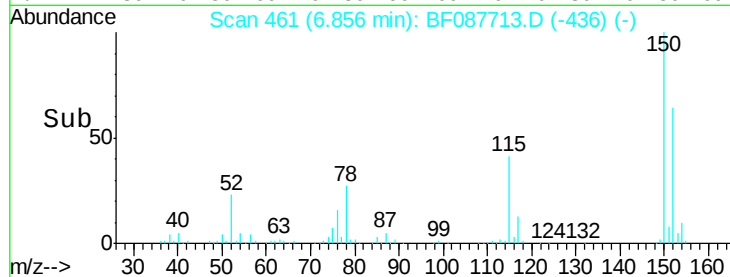
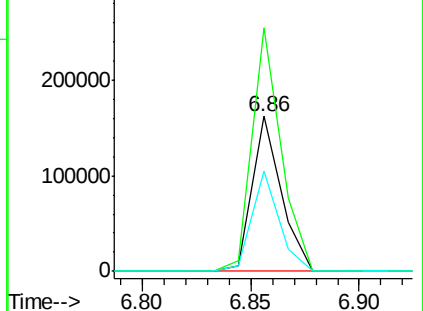
115 64.8 39.6 59.4#



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: 46.12 ng

RT: 5.45 min Scan# 338

Delta R.T. 0.00 min

Lab File: BF087713.D

Acq: 5 Jun 2016 17:50

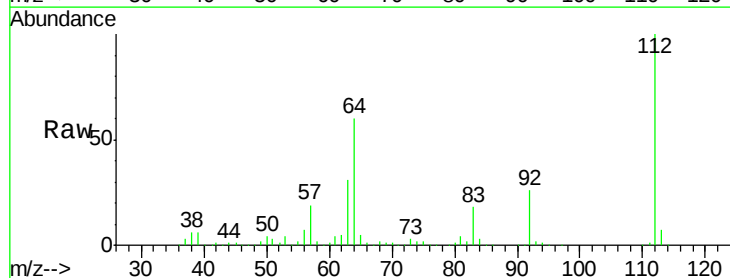
Tgt Ion:112 Resp: 431055

Ion Ratio Lower Upper

112 100

64 60.3 42.2 63.2

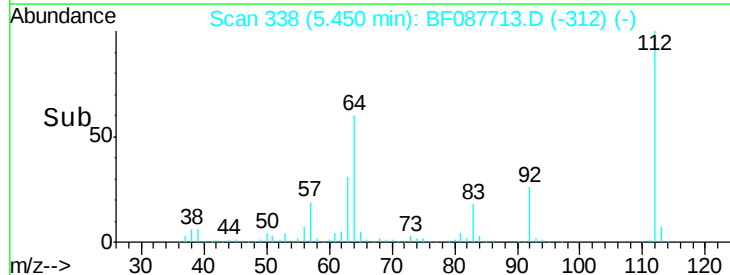
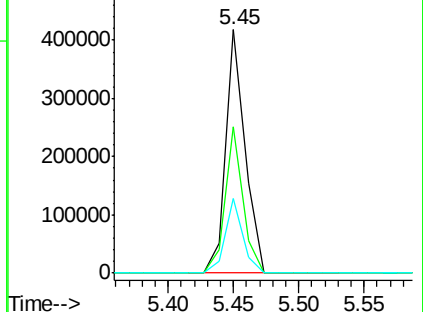
63 30.9 21.8 32.8

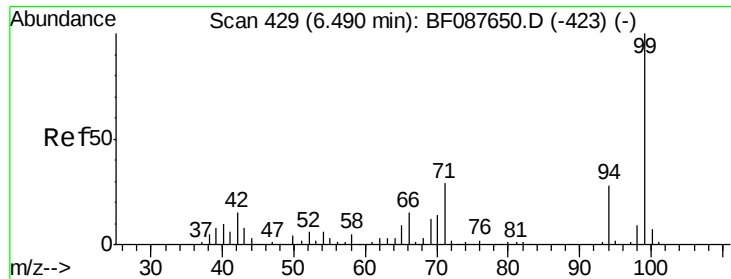


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 28.26 ng

RT: 6.48 min Scan# 428

Delta R.T. -0.01 min

Lab File: BF087713.D

Acq: 5 Jun 2016 17:50

Instrument :

BNA_F

ClientSampleId :

SP16-MMW0002

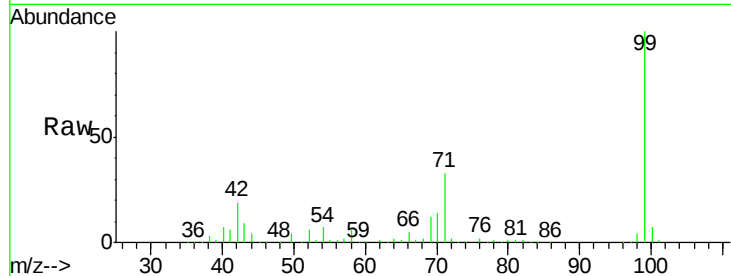
Tgt Ion: 99 Resp: 331214

Ion Ratio Lower Upper

99 100

42 18.8 12.2 18.2#

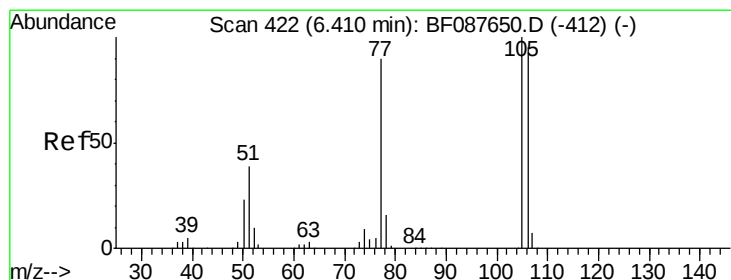
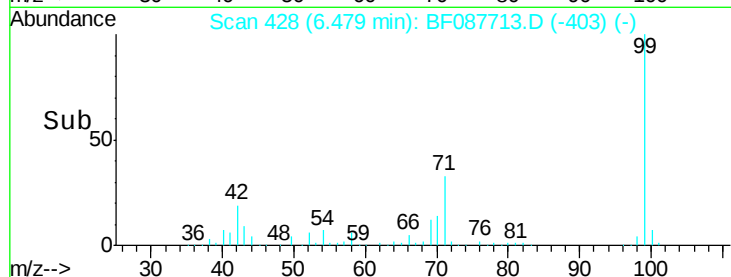
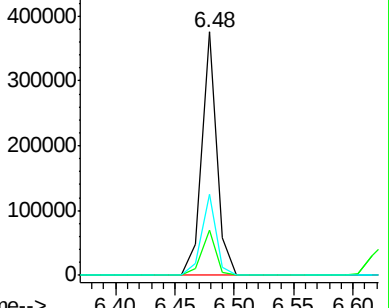
71 33.2 23.4 35.0



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: 2.52 ng

RT: 6.63 min Scan# 441

Delta R.T. 0.22 min

Lab File: BF087713.D

Acq: 5 Jun 2016 17:50

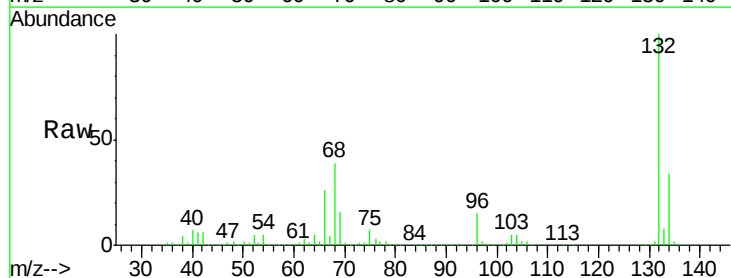
Tgt Ion: 77 Resp: 19994

Ion Ratio Lower Upper

77 100

105 76.9 90.6 130.6#

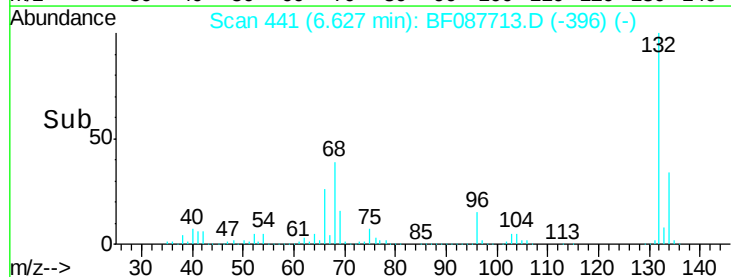
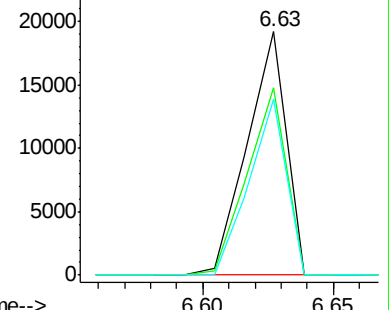
106 72.1 85.3 125.3#

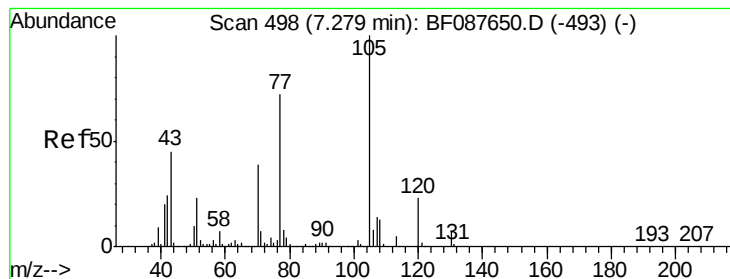


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 15.35 ng

RT: 7.43 min Scan# 511

Delta R.T. 0.15 min

Lab File: BF087713.D

Acq: 5 Jun 2016 17:50

Instrument :

BNA_F

ClientSampleId :

SP16-MMW0002

Tgt Ion: 70 Resp: 112382

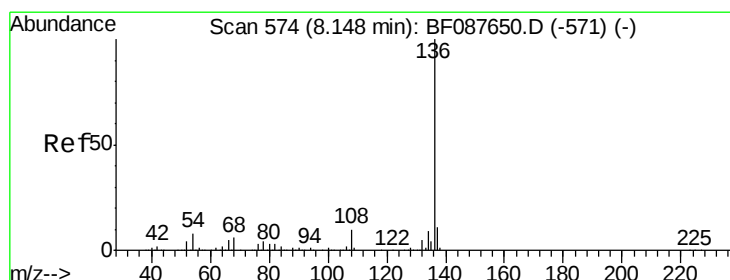
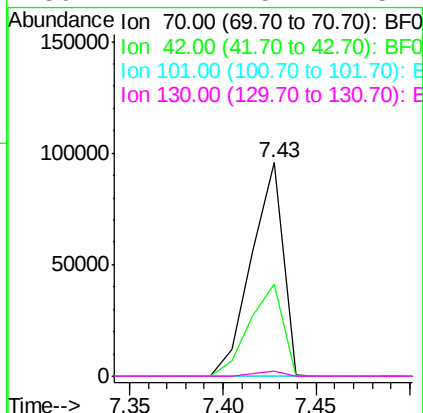
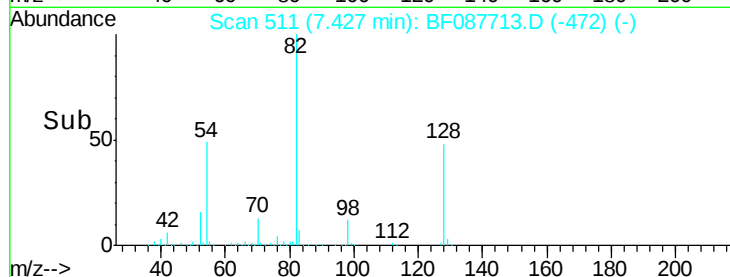
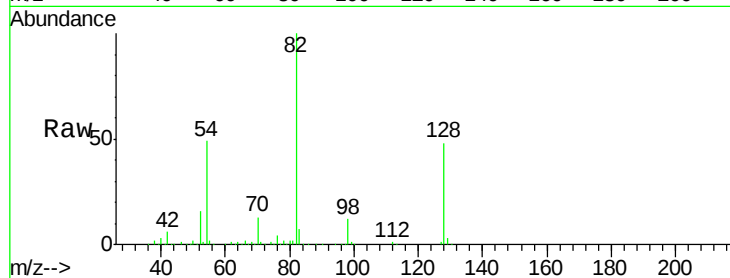
Ion Ratio Lower Upper

70 100

42 43.5 49.6 74.4#

101 0.0 7.1 10.7#

130 2.2 15.4 23.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.15 min Scan# 574

Delta R.T. -0.00 min

Lab File: BF087713.D

Acq: 5 Jun 2016 17:50

Tgt Ion: 136 Resp: 644708

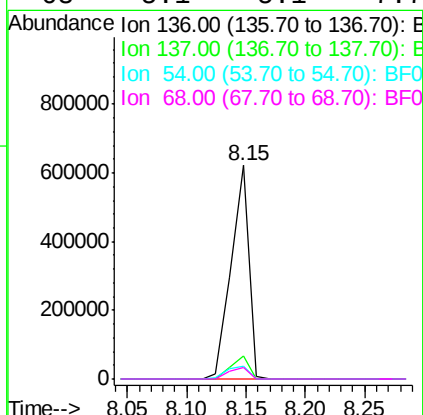
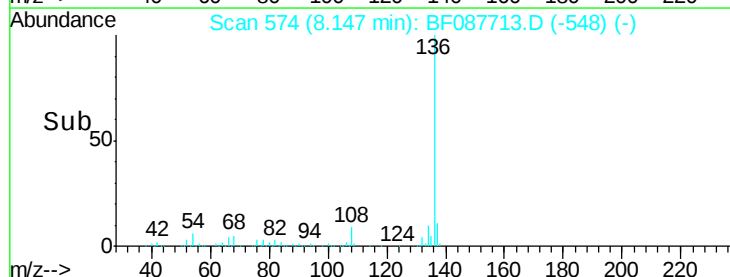
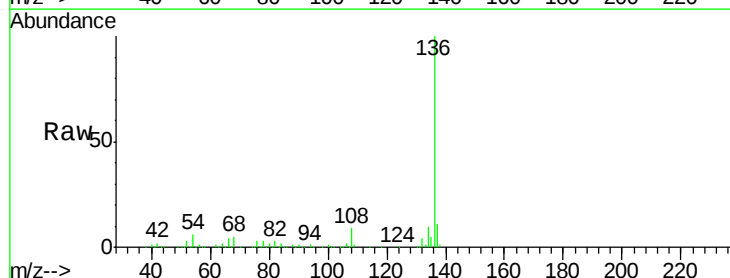
Ion Ratio Lower Upper

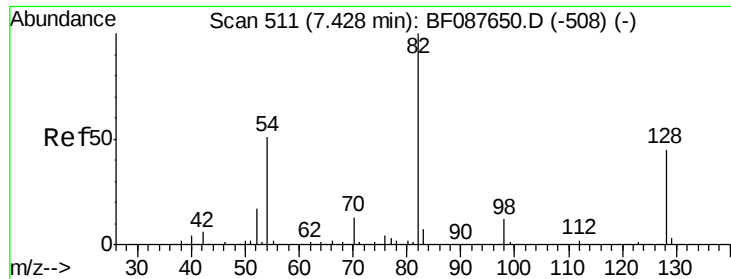
136 100

137 11.0 9.1 13.7

54 6.1 6.6 10.0#

68 5.1 5.1 7.7

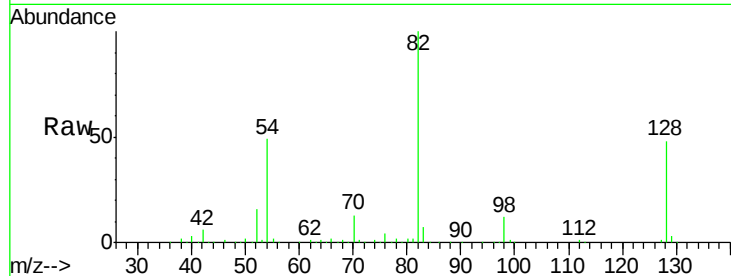




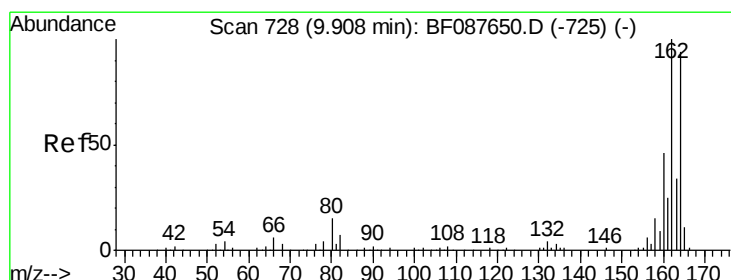
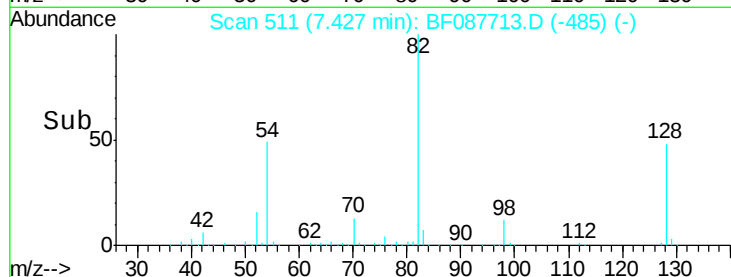
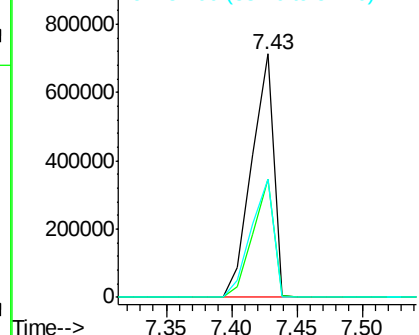
#23
 Nitrobenzene-d5
 Concen: 75.53 ng
 RT: 7.43 min Scan# 511
 Delta R.T. -0.00 min
 Lab File: BF087713.D
 Acq: 5 Jun 2016 17:50

Instrument :
 BNA_F
 ClientSampleId :
 SP16-MMW0002

Tgt Ion	Ratio	Lower	Upper
82	100		
128	48.3	35.9	53.9
54	48.6	40.9	61.3

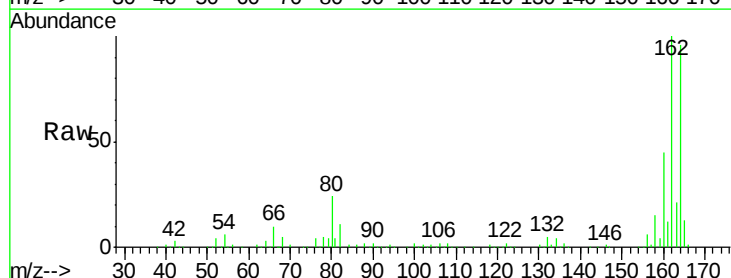


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

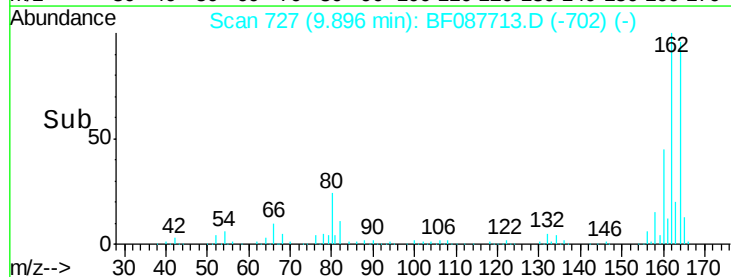
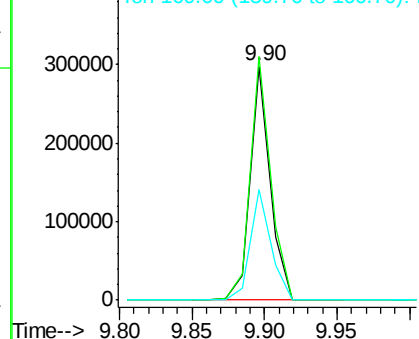


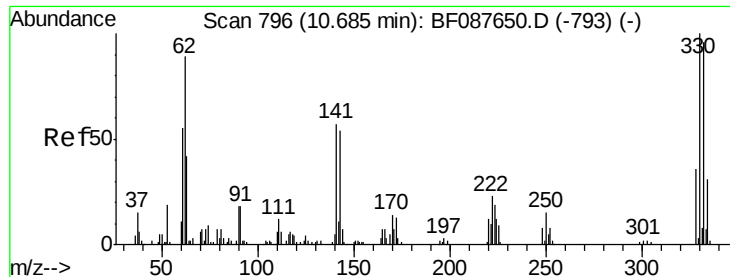
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: BF087713.D
 Acq: 5 Jun 2016 17:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.1	85.4	128.2
160	47.4	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

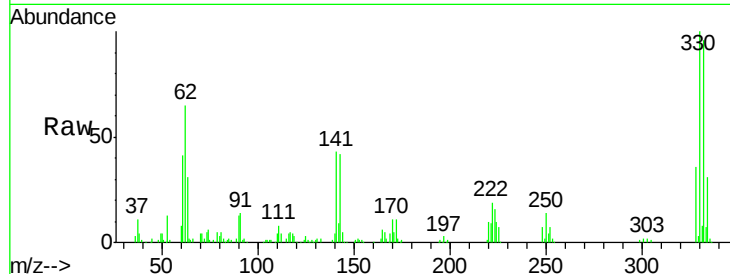




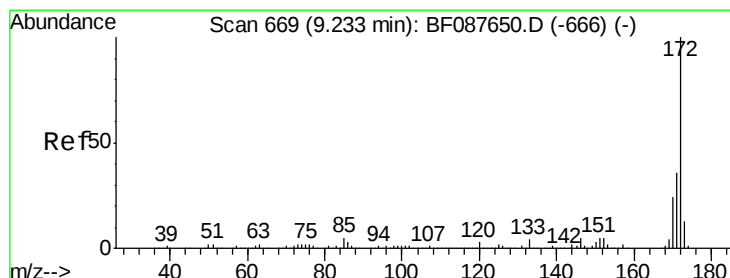
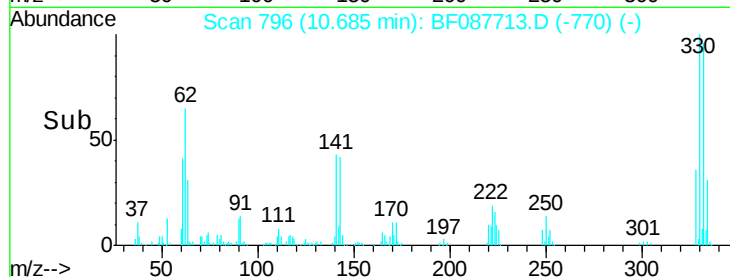
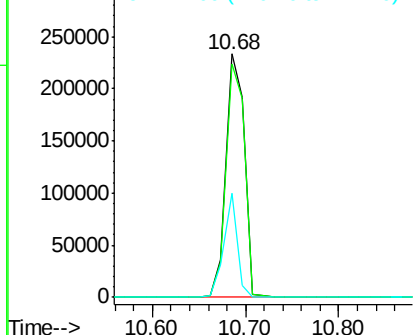
#41
 2,4,6-Tribromophenol
 Concen: 112.83 ng
 RT: 10.68 min Scan# 796
 Delta R.T. -0.00 min
 Lab File: BF087713.D
 Acq: 5 Jun 2016 17:50

Instrument :
 BNA_F
 ClientSampleId :
 SP16-MMW0002

Tgt Ion:330 Resp: 321771
 Ion Ratio Lower Upper
 330 100
 332 97.2 0.0 0.0#
 141 31.1 0.0 0.0#

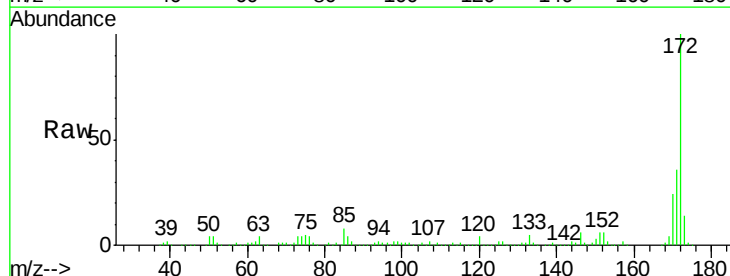


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

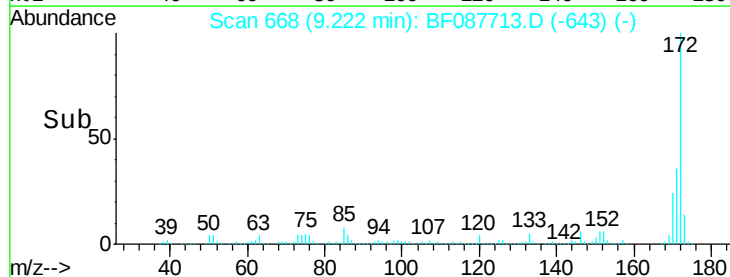
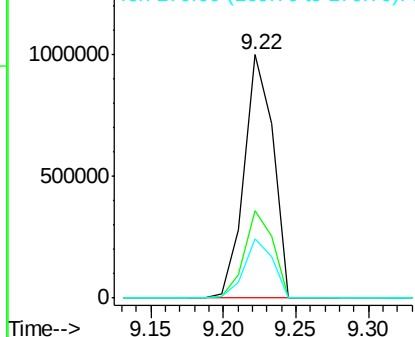


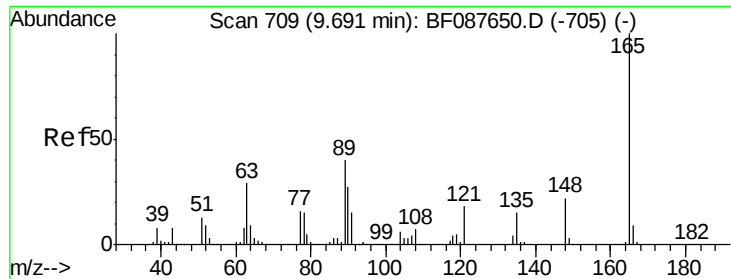
#44
 2-Fluorobiphenyl
 Concen: 71.18 ng
 RT: 9.22 min Scan# 668
 Delta R.T. -0.01 min
 Lab File: BF087713.D
 Acq: 5 Jun 2016 17:50

Tgt Ion:172 Resp: 1387034
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.6 43.0
 170 24.3 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

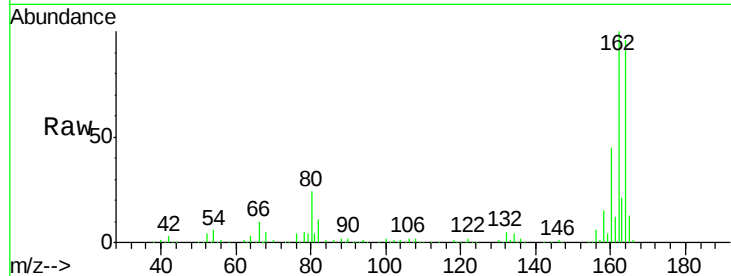




#50
2,6-Dinitrotoluene
Concen: 7.89 ng
RT: 9.90 min Scan# 727
Delta R.T. 0.21 min
Lab File: BF087713.D
Acq: 5 Jun 2016 17:50

Instrument :
BNA_F
ClientSampleId :
SP16-MMW0002

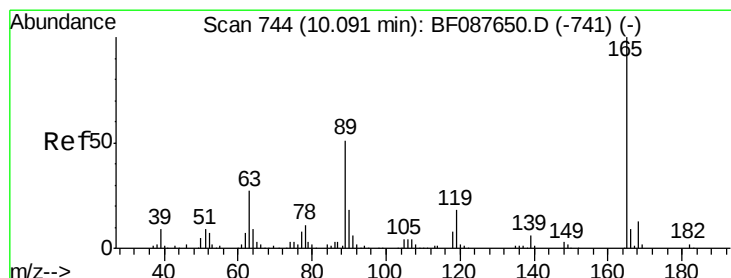
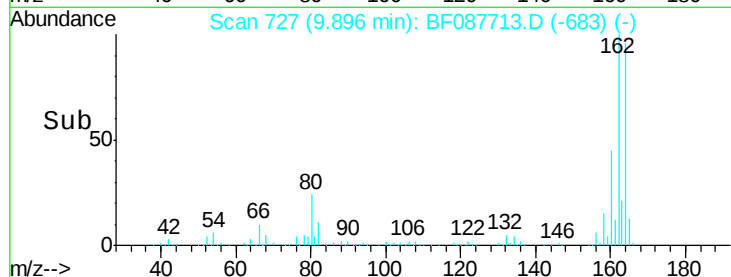
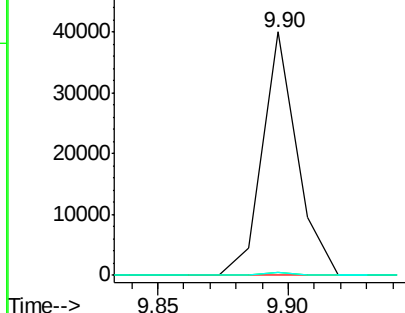
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	28.1	42.1#
89	1.4	32.2	48.2#



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: 6.20 ng
RT: 9.90 min Scan# 727
Delta R.T. -0.19 min
Lab File: BF087713.D
Acq: 5 Jun 2016 17:50

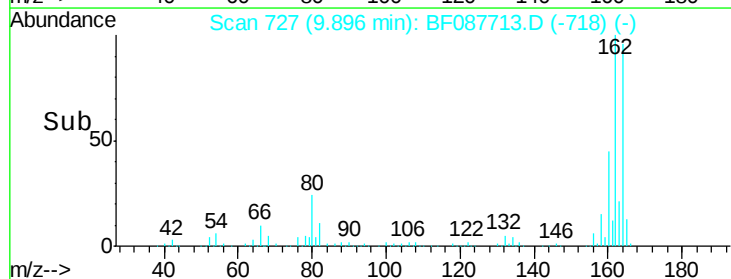
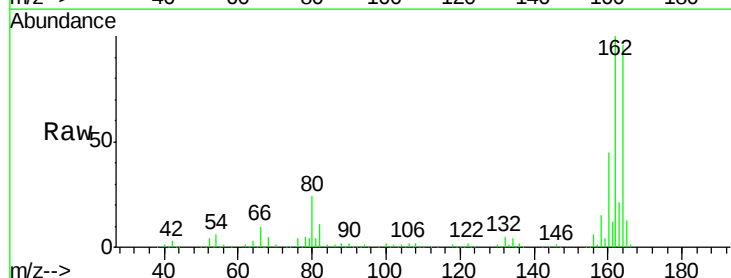
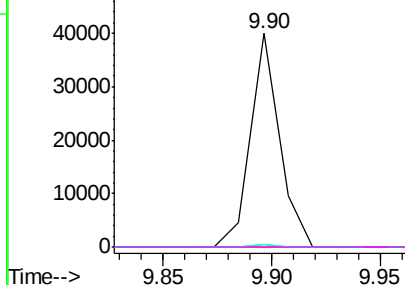
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	22.0	33.0#
89	1.4	41.1	61.7#
182	0.0	2.0	3.0#

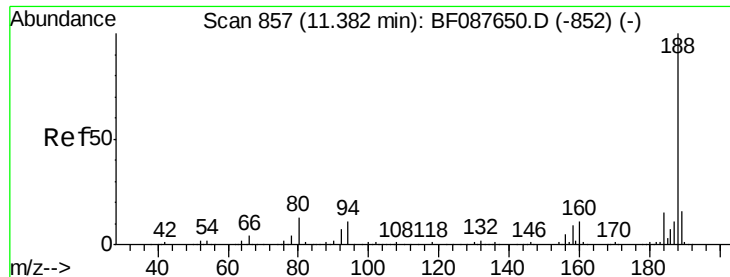
Abundance Ion 165.00 (164.70 to 165.70): E

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

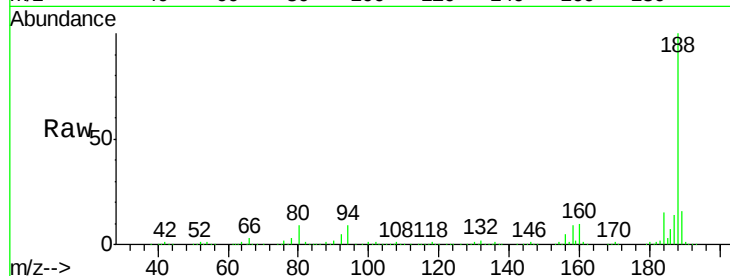




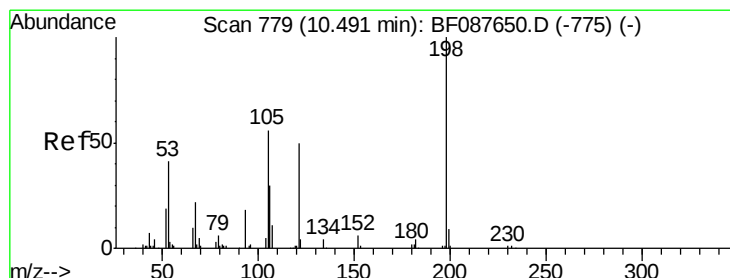
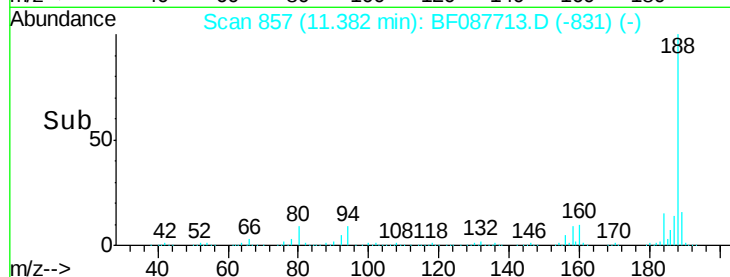
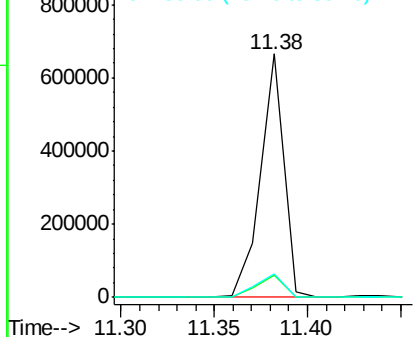
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.38 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: BF087713.D
 Acq: 5 Jun 2016 17:50

Instrument :
 BNA_F
 ClientSampleId :
 SP16-MMW0002

Tgt Ion:188 Resp: 573347
 Ion Ratio Lower Upper
 188 100
 94 9.2 9.0 13.6
 80 9.5 10.0 15.0#

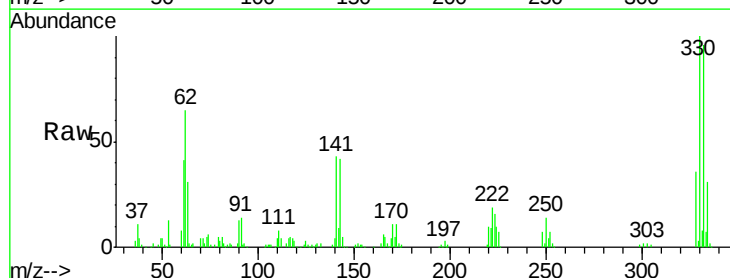


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

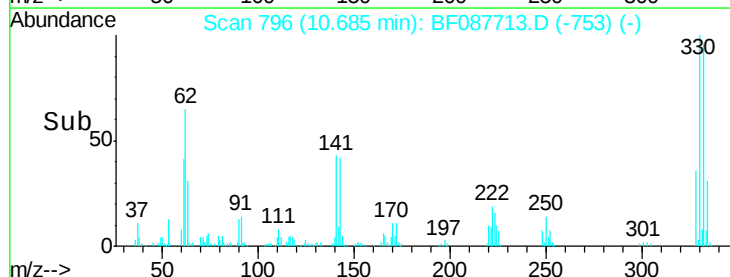
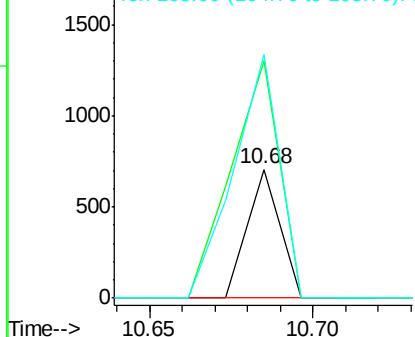


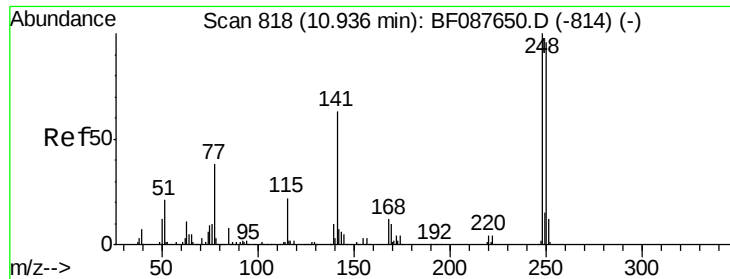
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.16 ng
 RT: 10.68 min Scan# 796
 Delta R.T. 0.19 min
 Lab File: BF087713.D
 Acq: 5 Jun 2016 17:50

Tgt Ion:198 Resp: 484
 Ion Ratio Lower Upper
 198 100
 51 184.4 39.6 79.6#
 105 189.2 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

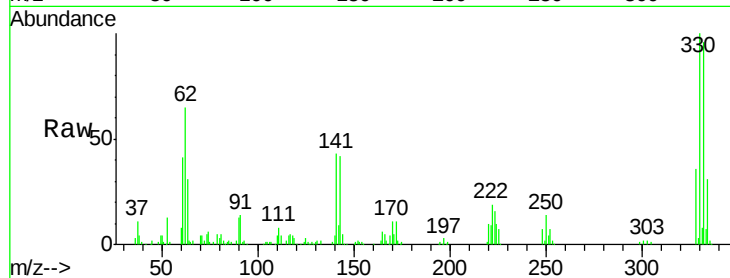




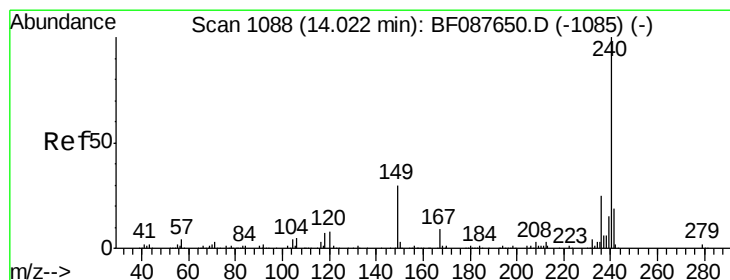
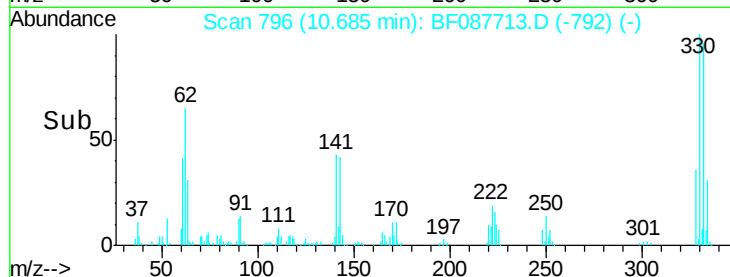
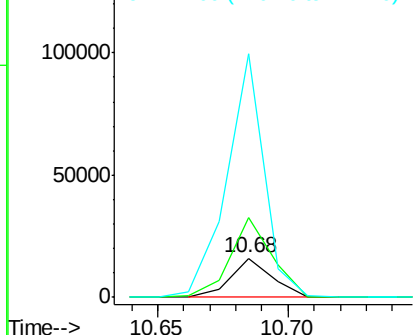
#66
4-Bromophenyl-phenylether
Concen: 3.12 ng
RT: 10.68 min Scan# 796
Delta R.T. -0.25 min
Lab File: BF087713.D
Acq: 5 Jun 2016 17:50

Instrument :
BNA_F
ClientSampleId :
SP16-MMW0002

Tgt Ion:248 Resp: 17763
Ion Ratio Lower Upper
248 100
250 203.3 77.1 115.7#
141 622.2 50.6 76.0#

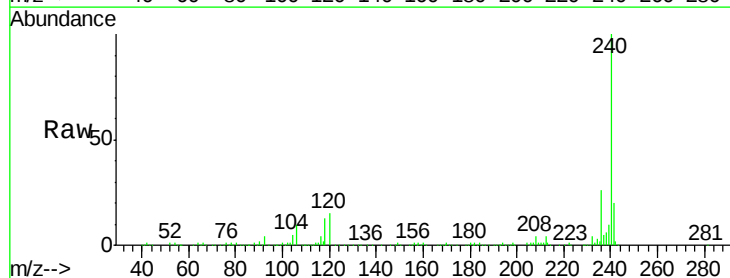


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

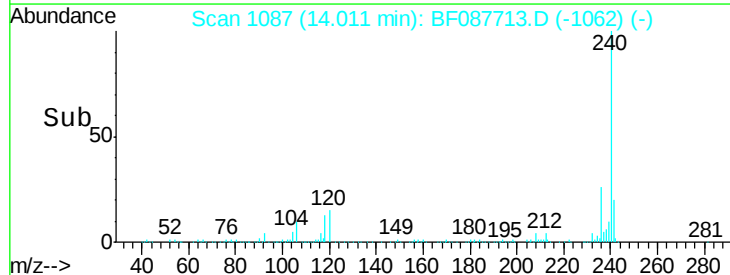
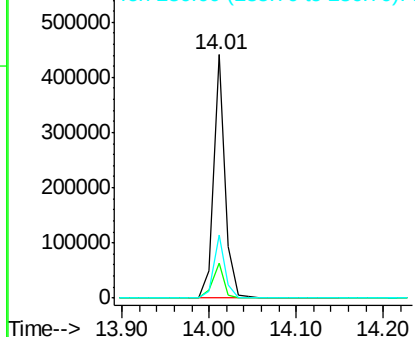


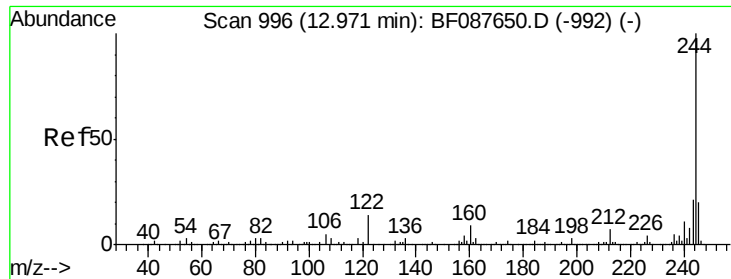
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.01 min Scan# 1087
Delta R.T. -0.01 min
Lab File: BF087713.D
Acq: 5 Jun 2016 17:50

Tgt Ion:240 Resp: 409604
Ion Ratio Lower Upper
240 100
120 14.6 6.8 10.2#
236 25.8 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

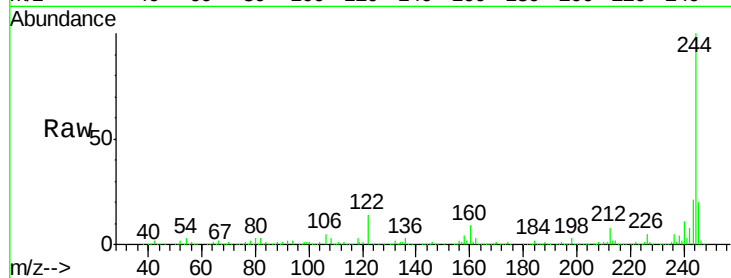




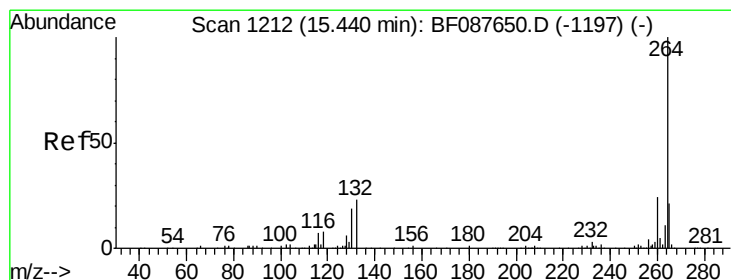
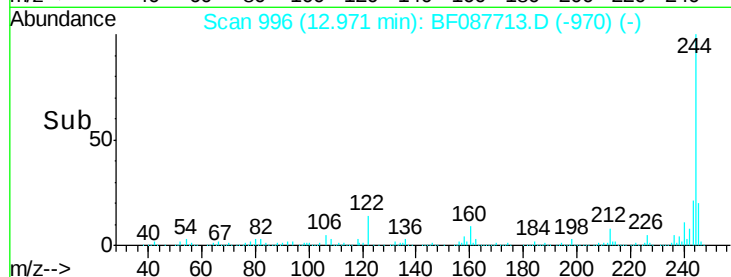
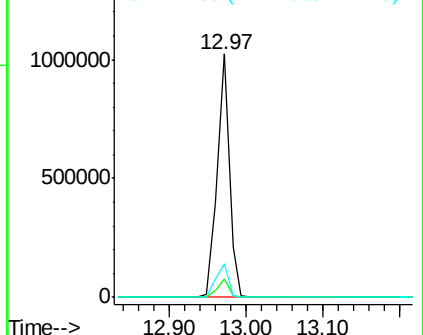
#78
 Terphenyl-d14
 Concen: 67.44 ng
 RT: 12.97 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: BF087713.D
 Acq: 5 Jun 2016 17:50

Instrument :
 BNA_F
 ClientSampleId :
 SP16-MMW0002

Tgt Ion:244 Resp: 1132126
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.0 9.0
 122 13.6 11.2 16.8

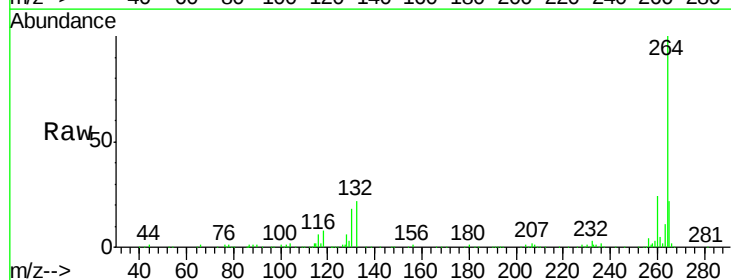


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1212
 Delta R.T. -0.00 min
 Lab File: BF087713.D
 Acq: 5 Jun 2016 17:50

Tgt Ion:264 Resp: 333827
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 21.7 16.9 25.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

