

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061116\
 Data File : BF087940.D
 Acq On : 12 Jun 2016 10:44
 Operator : UM/SJ
 Sample : H3425-03
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP16-JMW0882

Quant Time: Jun 13 01:15:05 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 01:05:20 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	103896	20.00	ng	-0.05
21) Naphthalene-d8	8.09	136	426800	20.00	ng	-0.03
38) Acenaphthene-d10	9.84	164	206485	20.00	ng	-0.05
63) Phenanthrene-d10	11.32	188	400072	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	313289	20.00	ng	-0.03
86) Perylene-d12	15.37	264	229455	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	406625	66.91	ng	-0.03
7) Phenol-d6	6.43	99	379976	51.59	ng	-0.05
23) Nitrobenzene-d5	7.37	82	669193	91.56	ng	-0.05
41) 2,4,6-Tribromophenol	10.63	330	252085	115.62	ng	-0.05
44) 2-Fluorobiphenyl	9.16	172	1158041	88.32	ng	-0.05
78) Terphenyl-d14	12.91	244	994542	72.24	ng	-0.03

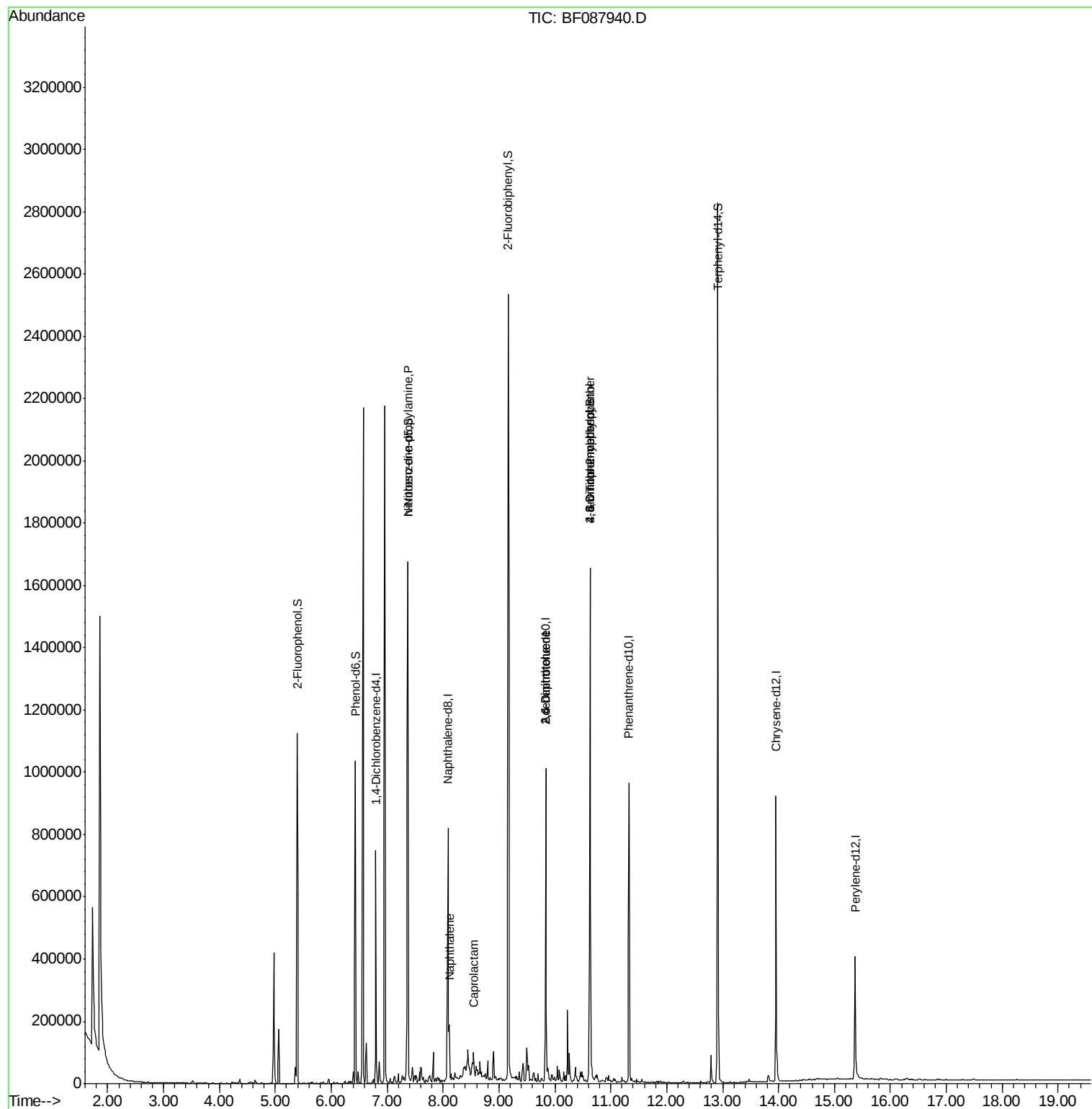
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.44	94	1834	Below Cal		88
19) n-Nitroso-di-n-propylamine	7.37	70	89628	19.02 ng	#	70
31) Naphthalene	8.11	128	103922	4.92 ng		98
35) Caprolactam	8.55	113	4539	2.35 ng	#	1
45) 1,1'-Biphenyl	9.27	154	1830	Below Cal		93
50) 2,6-Dinitrotoluene	9.84	165	26573	7.76 ng	#	40
56) 2,4-Dinitrotoluene	9.84	165	26871	6.10 ng	#	38
57) Fluorene	10.39	166	5341	Below Cal		99
64) 4,6-Dinitro-2-methylphenol	10.63	198	420	2.32 ng	#	1
66) 4-Bromophenyl-phenylether	10.63	248	15209	3.54 ng	#	1

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

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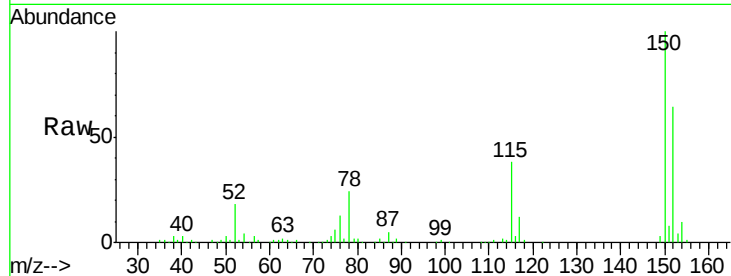




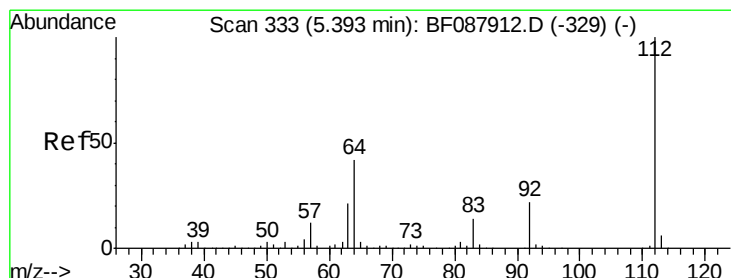
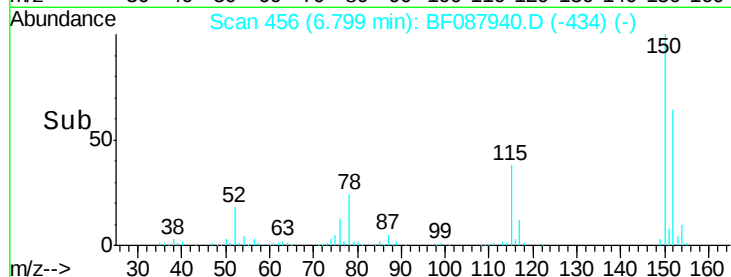
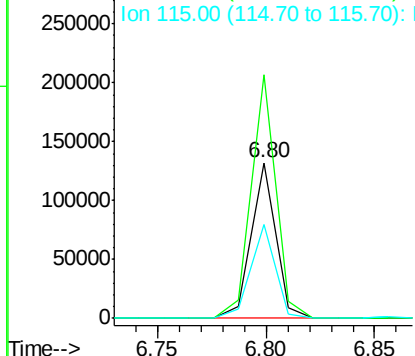
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 456
 Delta R.T. -0.05 min
 Lab File: BF087940.D
 Acq: 12 Jun 2016 10:44

Instrument :
 BNA_F
 ClientSampleId :
 SP16-JMW0882

Tgt Ion:152 Resp: 103896
 Ion Ratio Lower Upper
 152 100
 150 156.2 123.8 185.6
 115 60.1 39.6 59.4#

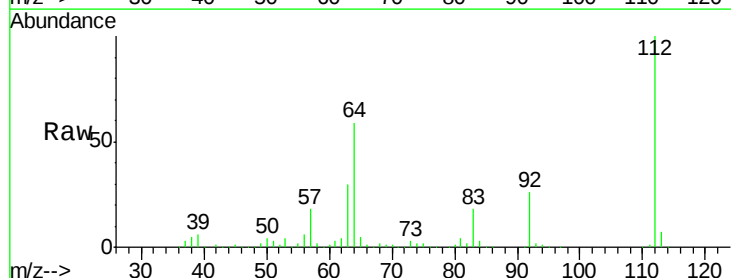


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

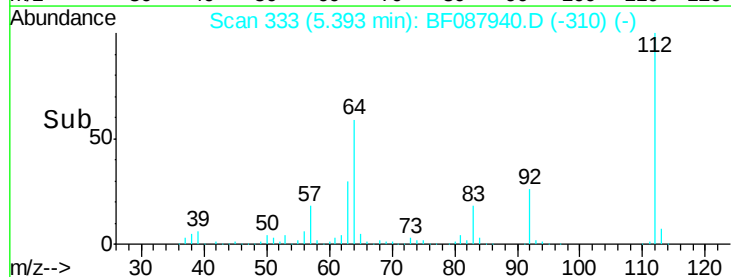
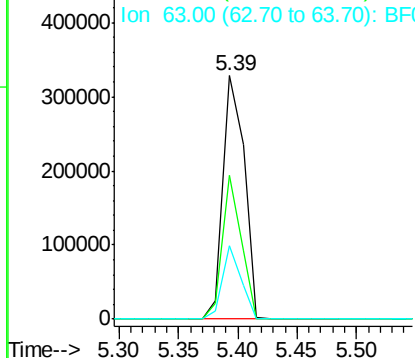


#5
 2-Fluorophenol
 Concen: 66.91 ng
 RT: 5.39 min Scan# 333
 Delta R.T. -0.03 min
 Lab File: BF087940.D
 Acq: 12 Jun 2016 10:44

Tgt Ion:112 Resp: 406625
 Ion Ratio Lower Upper
 112 100
 64 59.3 42.2 63.2
 63 30.1 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: 51.59 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.05 min

Lab File: BF087940.D

Acq: 12 Jun 2016 10:44

Instrument :

BNA_F

ClientSampleId :

SP16-JMW0882

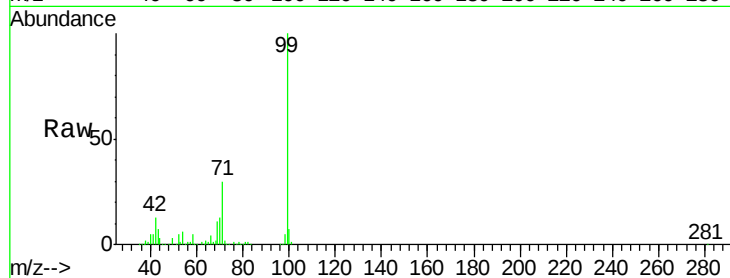
Tgt Ion: 99 Resp: 379976

Ion Ratio Lower Upper

99 100

42 13.4 12.2 18.2

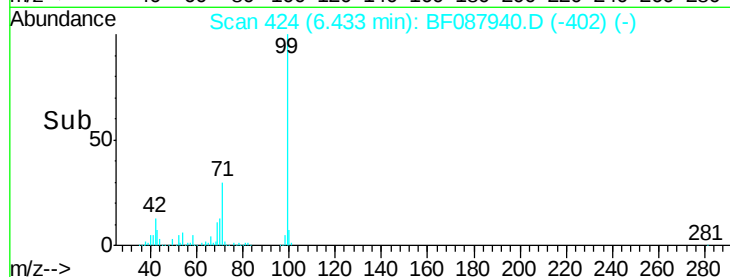
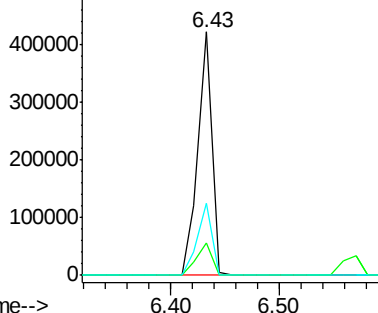
71 29.6 23.4 35.0



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



#10

Phenol

Concen: Below Cal

RT: 6.44 min Scan# 425

Delta R.T. -0.05 min

Lab File: BF087940.D

Acq: 12 Jun 2016 10:44

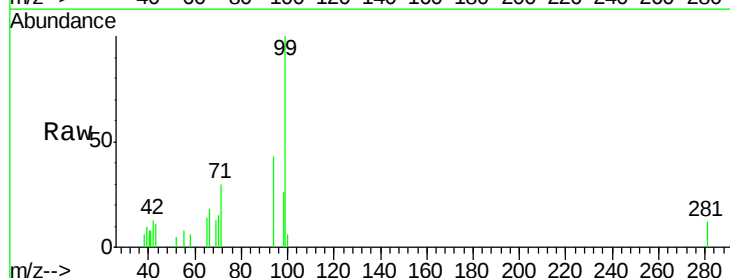
Tgt Ion: 94 Resp: 1834

Ion Ratio Lower Upper

94 100

65 31.7 5.9 45.9

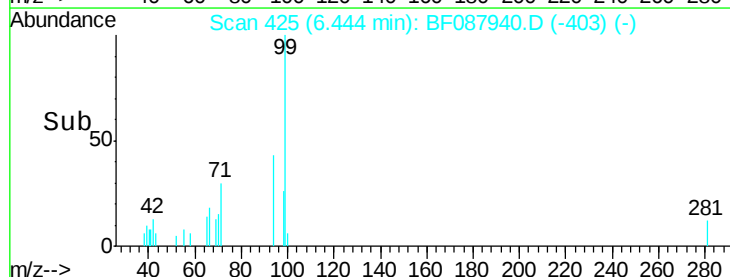
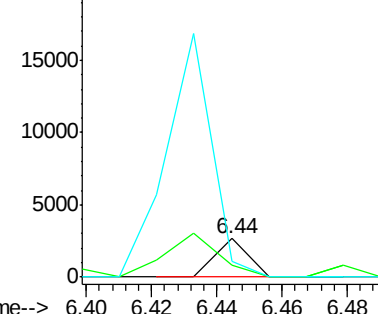
66 41.0 14.0 54.0

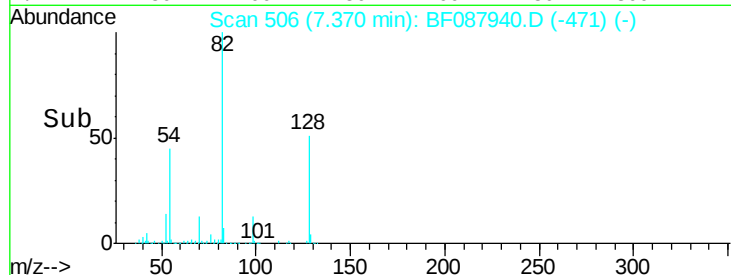
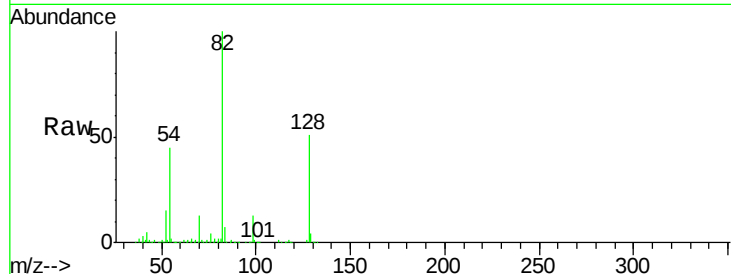


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

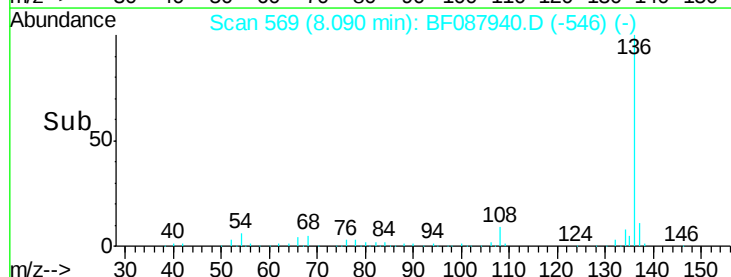
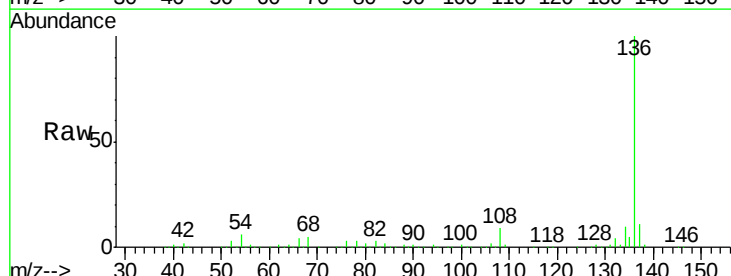
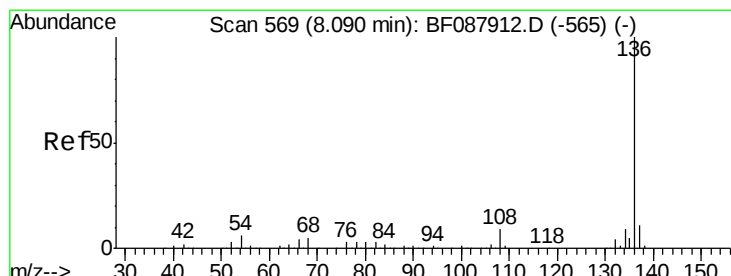
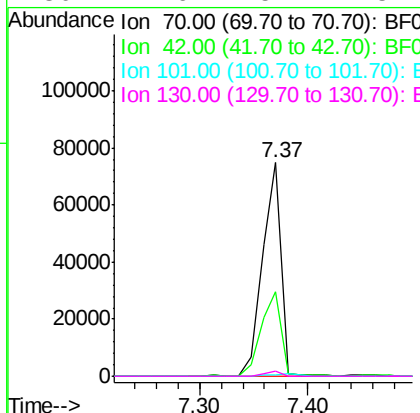




#19
n-Nitroso-di-n-propylamine
Concen: 19.02 ng
RT: 7.37 min Scan# 506
Delta R.T. 0.10 min
Lab File: BF087940.D
Acq: 12 Jun 2016 10:44

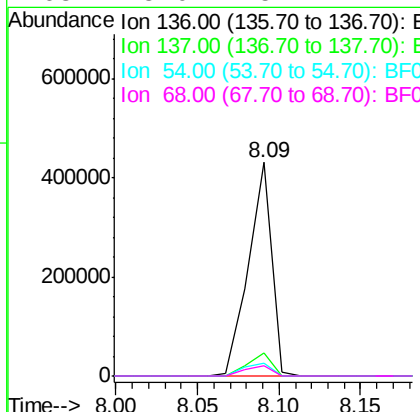
Instrument :
BNA_F
ClientSampleId :
SP16-JMW0882

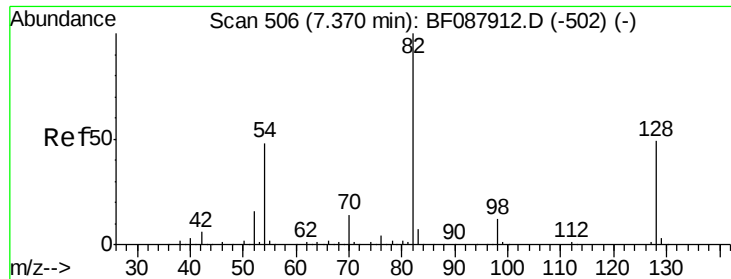
Tgt Ion: 70 Resp: 89628
Ion Ratio Lower Upper
70 100
42 39.7 49.6 74.4#
101 0.7 7.1 10.7#
130 2.6 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 569
Delta R.T. -0.03 min
Lab File: BF087940.D
Acq: 12 Jun 2016 10:44

Tgt Ion: 136 Resp: 426800
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 5.9 6.6 10.0#
68 5.0 5.1 7.7#

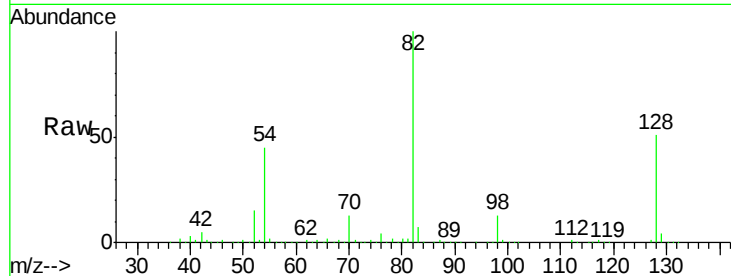




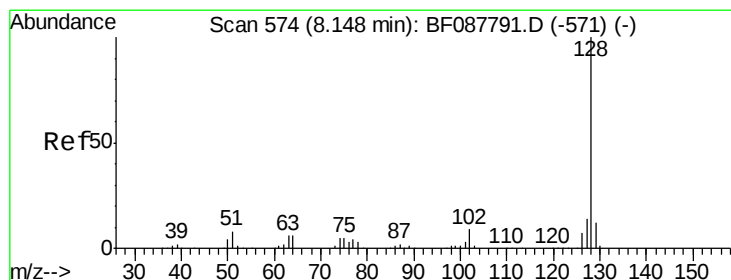
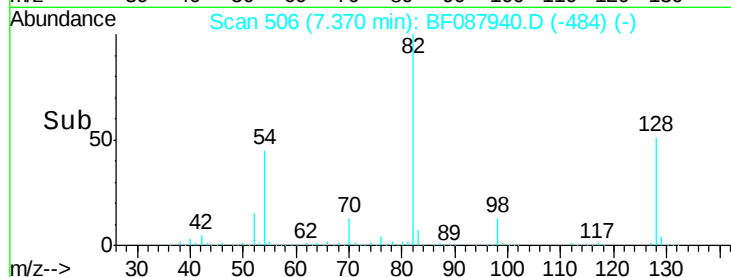
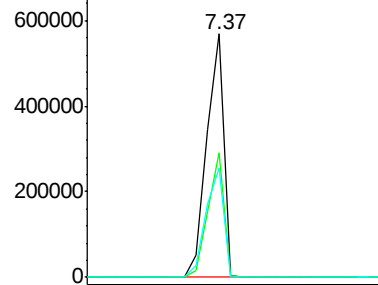
#23
 Nitrobenzene-d5
 Concen: 91.56 ng
 RT: 7.37 min Scan# 506
 Delta R.T. -0.05 min
 Lab File: BF087940.D
 Acq: 12 Jun 2016 10:44

Instrument :
 BNA_F
 ClientSampleId :
 SP16-JMW0882

Tgt Ion: 82 Resp: 669193
 Ion Ratio Lower Upper
 82 100
 128 51.1 35.9 53.9
 54 45.0 40.9 61.3

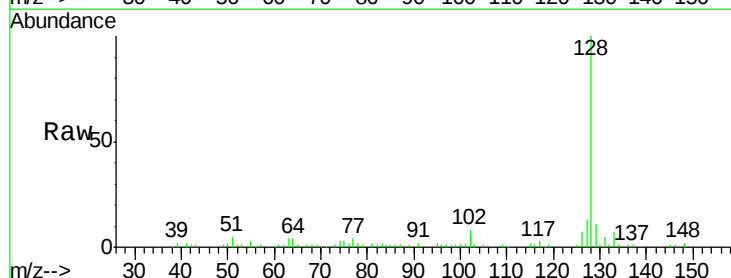


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

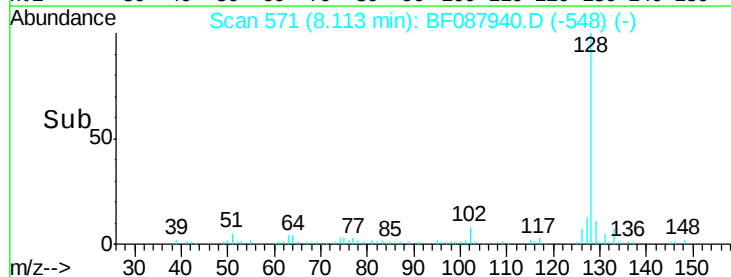
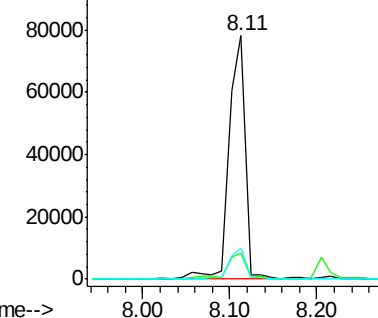


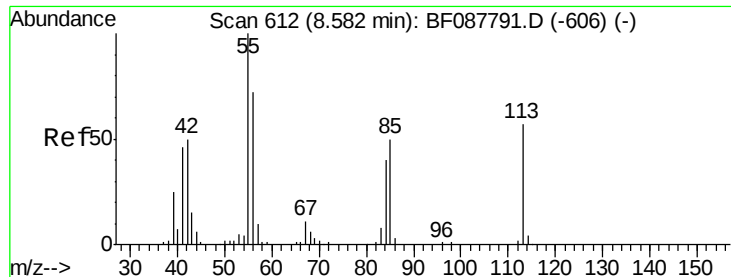
#31
 Naphthalene
 Concen: 4.92 ng
 RT: 8.11 min Scan# 571
 Delta R.T. -0.03 min
 Lab File: BF087940.D
 Acq: 12 Jun 2016 10:44

Tgt Ion: 128 Resp: 103922
 Ion Ratio Lower Upper
 128 100
 129 10.8 9.4 14.2
 127 12.6 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E

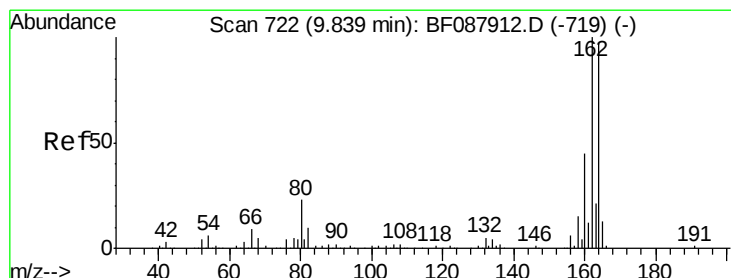
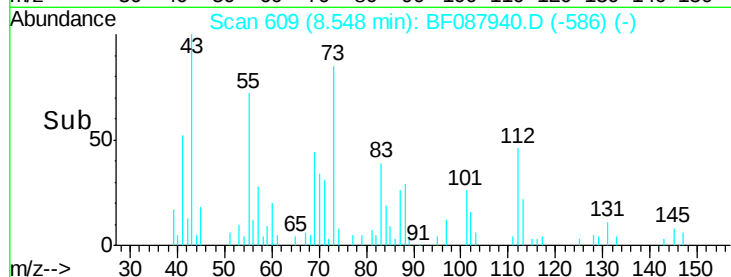
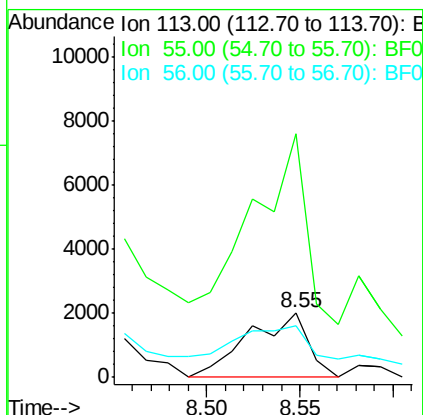
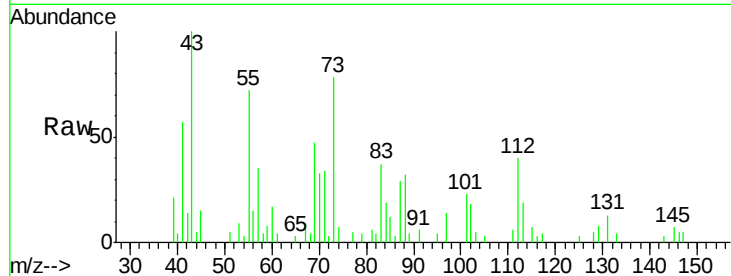




#35
 Caprolactam
 Concen: 2.35 ng
 RT: 8.55 min Scan# 609
 Delta R.T. -0.03 min
 Lab File: BF087940.D
 Acq: 12 Jun 2016 10:44

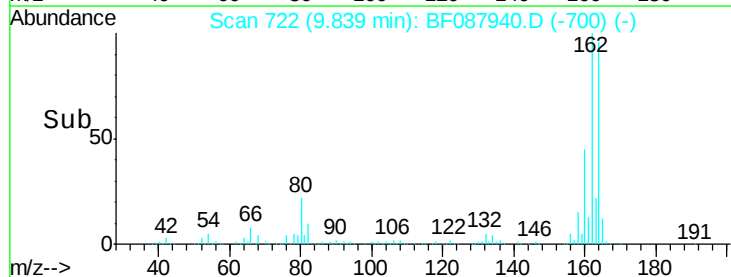
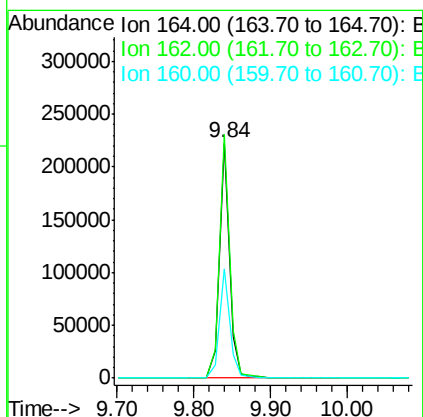
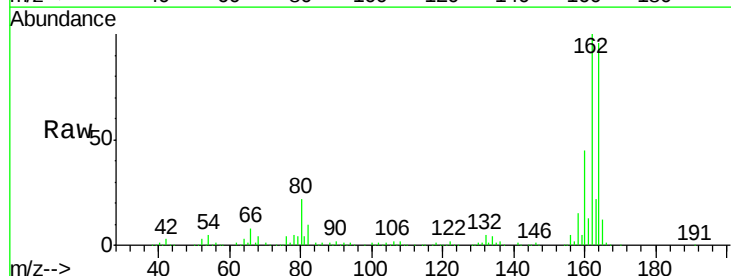
Instrument :
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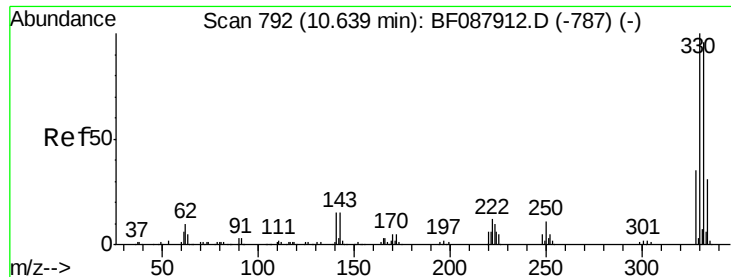
Tgt Ion:113 Resp: 4539
 Ion Ratio Lower Upper
 113 100
 55 376.5 158.6 198.6#
 56 79.0 110.6 150.6#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.84 min Scan# 722
 Delta R.T. -0.05 min
 Lab File: BF087940.D
 Acq: 12 Jun 2016 10:44

Tgt Ion:164 Resp: 206485
 Ion Ratio Lower Upper
 164 100
 162 103.7 85.4 128.2
 160 46.6 39.5 59.3

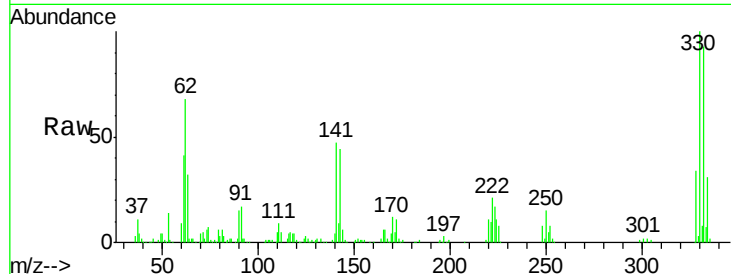




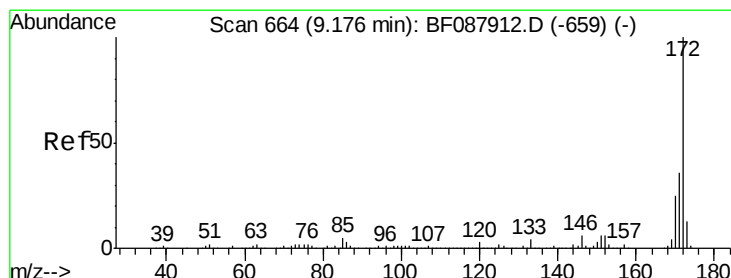
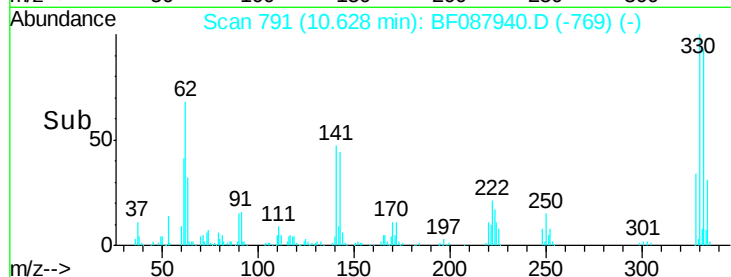
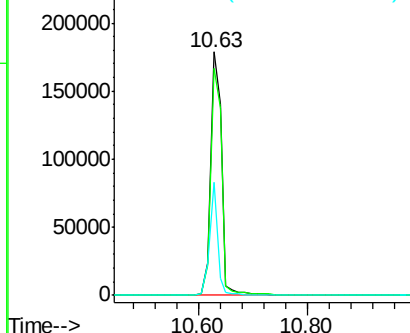
#41
 2,4,6-Tribromophenol
 Concen: 115.62 ng
 RT: 10.63 min Scan# 791
 Delta R.T. -0.05 min
 Lab File: BF087940.D
 Acq: 12 Jun 2016 10:44

Instrument :
 BNA_F
 ClientSampleId :
 SP16-JMW0882

Tgt Ion:330 Resp: 252085
 Ion Ratio Lower Upper
 330 100
 332 95.4 0.0 0.0#
 141 35.8 0.0 0.0#

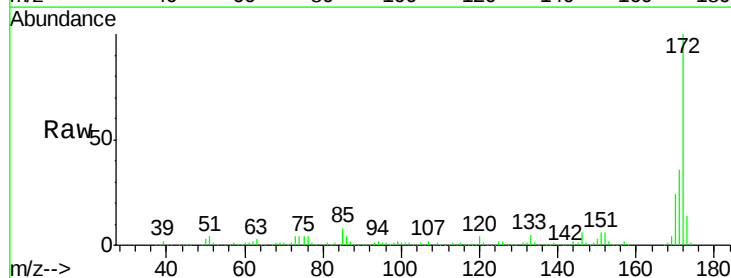


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

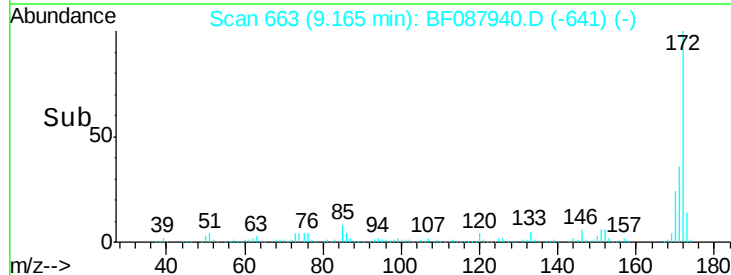
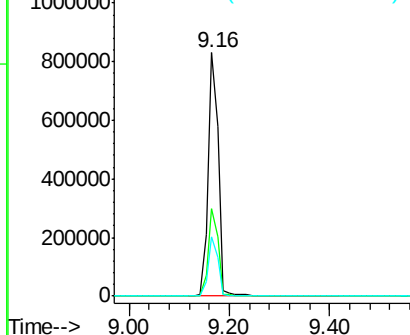


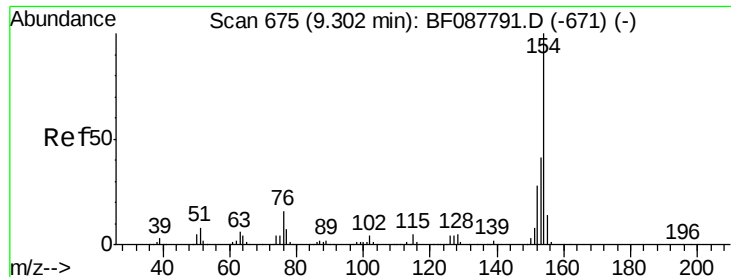
#44
 2-Fluorobiphenyl
 Concen: 88.32 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.05 min
 Lab File: BF087940.D
 Acq: 12 Jun 2016 10:44

Tgt Ion:172 Resp: 1158041
 Ion Ratio Lower Upper
 172 100
 171 36.0 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





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 9.27 min Scan# 672

Delta R.T. -0.03 min

Lab File: BF087940.D

Acq: 12 Jun 2016 10:44

Instrument :

BNA_F

ClientSampleId :

SP16-JMW0882

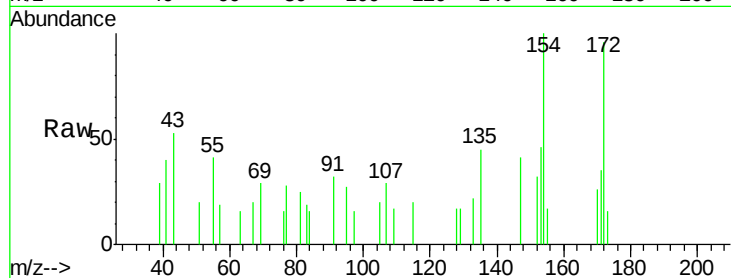
Tgt Ion:154 Resp: 1830

Ion Ratio Lower Upper

154 100

153 45.7 20.6 60.6

76 16.1 0.0 35.1

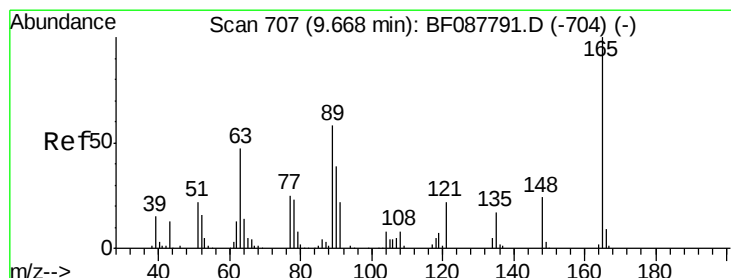
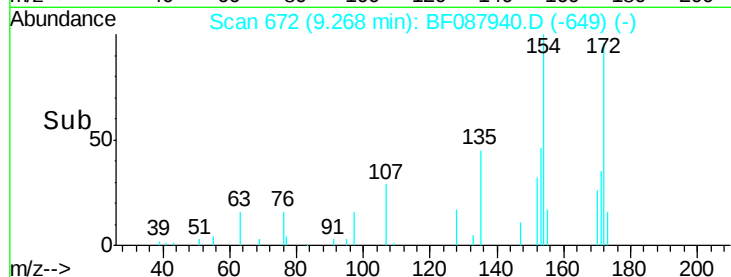
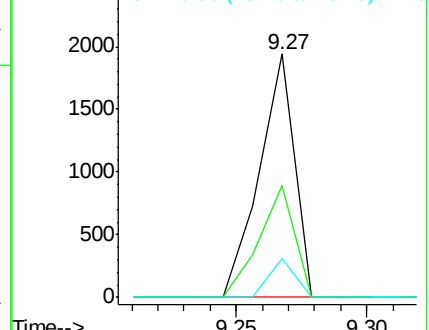


Abundance

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



#50

2,6-Dinitrotoluene

Concen: 7.76 ng

RT: 9.84 min Scan# 722

Delta R.T. 0.17 min

Lab File: BF087940.D

Acq: 12 Jun 2016 10:44

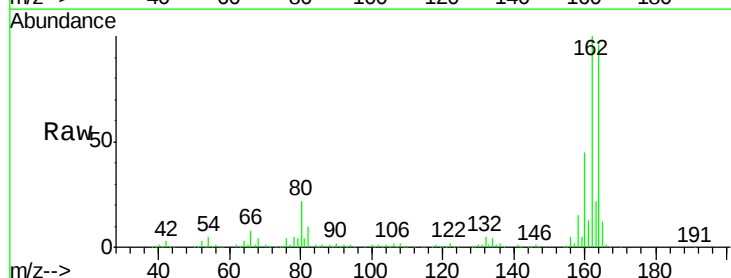
Tgt Ion:165 Resp: 26573

Ion Ratio Lower Upper

165 100

63 1.6 28.1 42.1#

89 1.7 32.2 48.2#

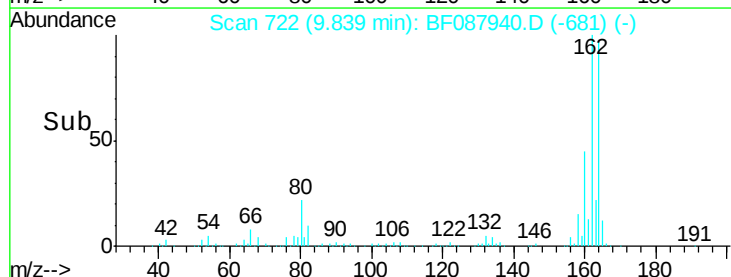
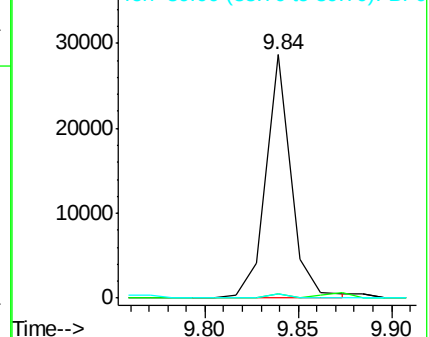


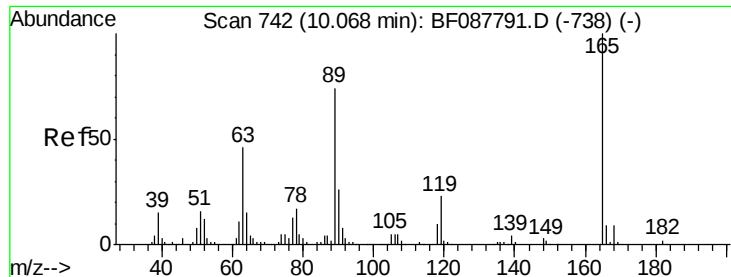
Abundance

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

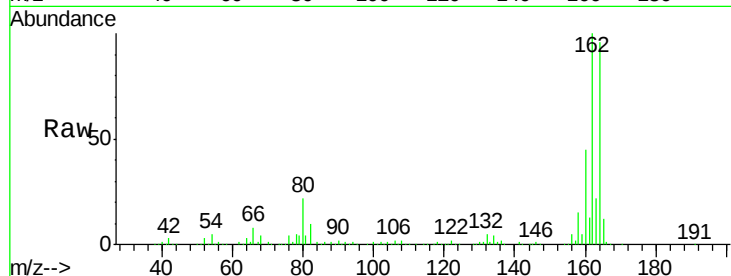




#56
2,4-Dinitrotoluene
Concen: 6.10 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.23 min
Lab File: BF087940.D
Acq: 12 Jun 2016 10:44

Instrument :
BNA_F
ClientSampleId :
SP16-JMW0882

Tgt Ion	Resp	Lower	Upper
165	26871		
63	1.6	22.0	33.0#
89	1.7	41.1	61.7#
182	0.0	2.0	3.0#

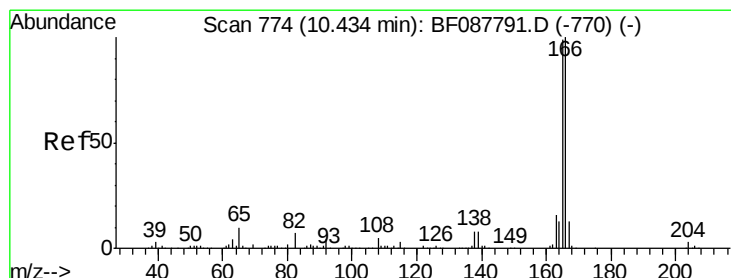
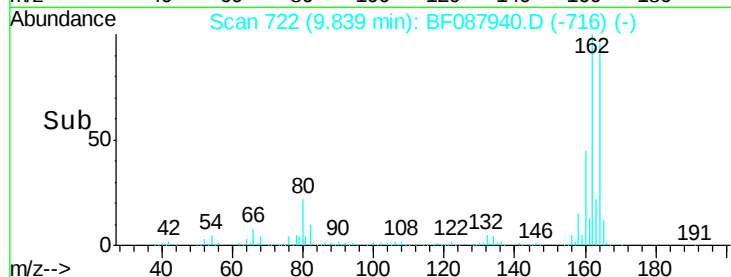
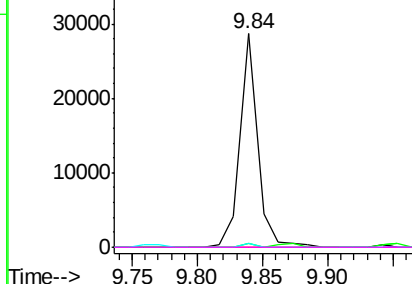


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

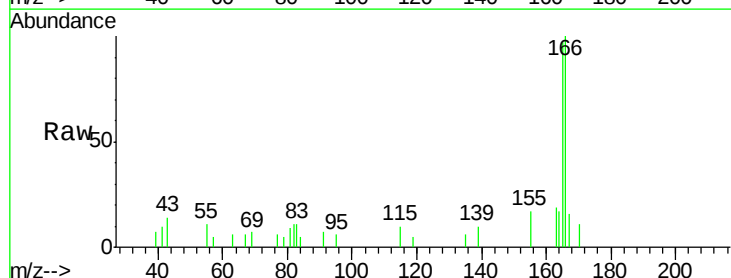
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: Below Cal
RT: 10.39 min Scan# 770
Delta R.T. -0.05 min
Lab File: BF087940.D
Acq: 12 Jun 2016 10:44

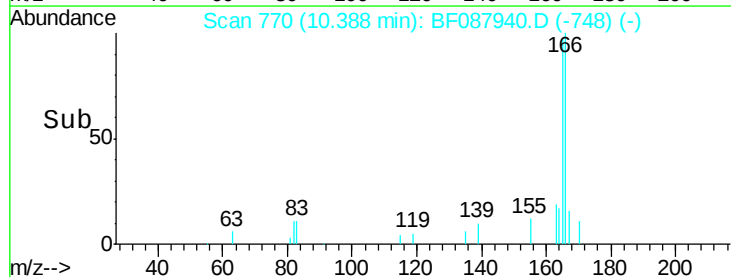
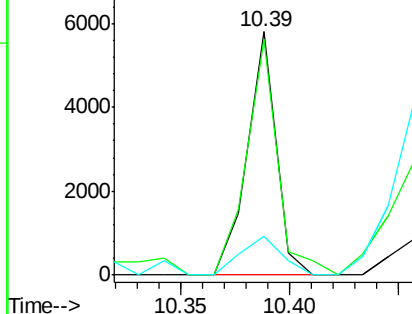
Tgt Ion	Resp	Lower	Upper
166	5341		
165	96.7	77.8	116.8
167	16.1	11.2	16.8

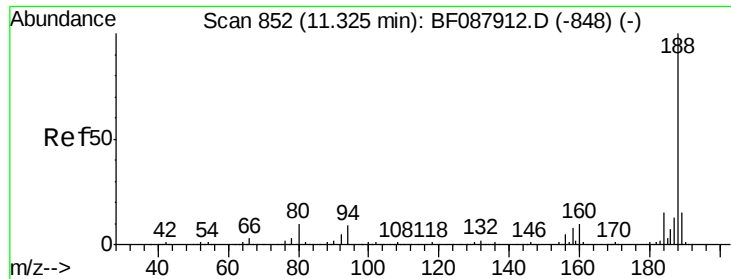


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

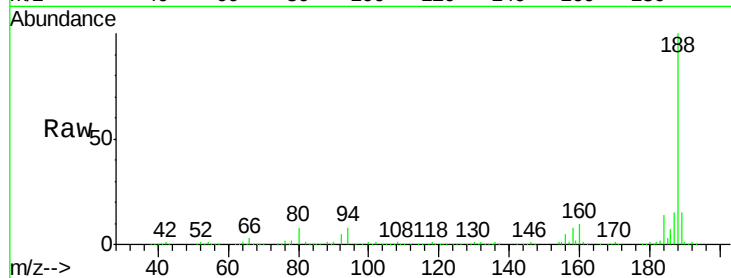




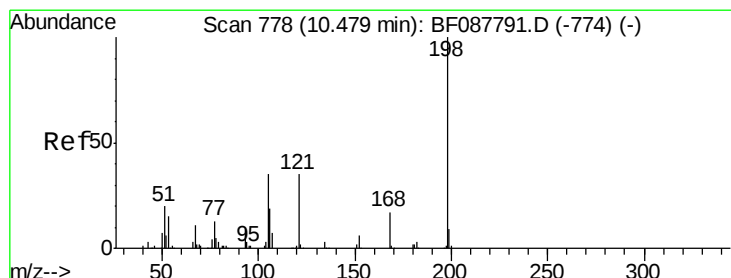
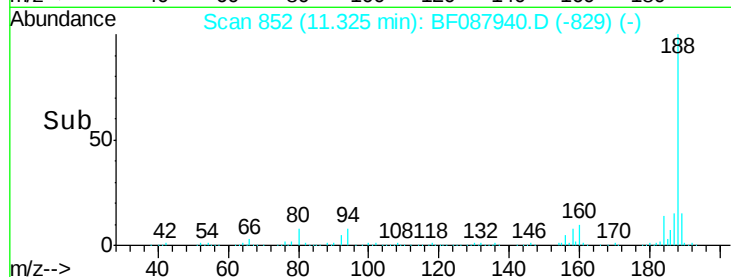
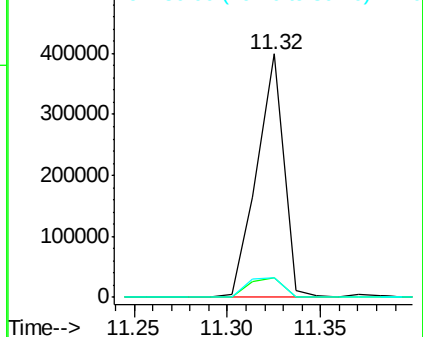
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.03 min
Lab File: BF087940.D
Acq: 12 Jun 2016 10:44

Instrument :
BNA_F
ClientSampleId :
SP16-JMW0882

Tgt Ion:188 Resp: 400072
Ion Ratio Lower Upper
188 100
94 8.3 9.0 13.6#
80 8.3 10.0 15.0#

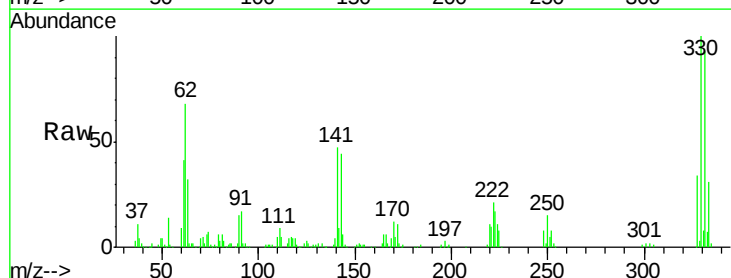


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

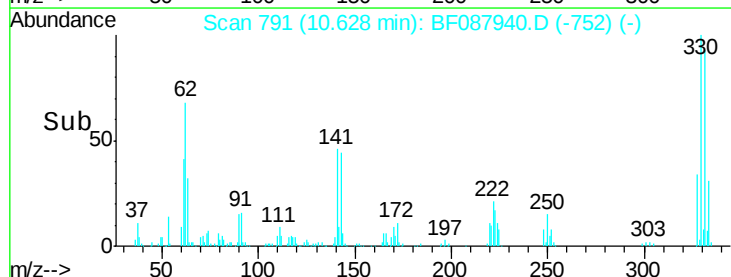
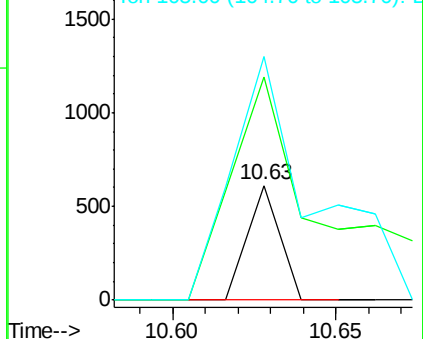


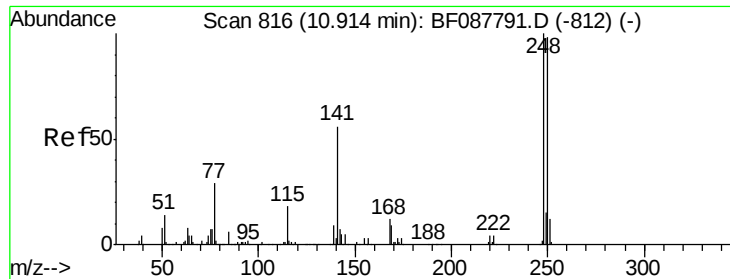
#64
4,6-Dinitro-2-methylphenol
Concen: 2.32 ng
RT: 10.63 min Scan# 791
Delta R.T. 0.15 min
Lab File: BF087940.D
Acq: 12 Jun 2016 10:44

Tgt Ion:198 Resp: 420
Ion Ratio Lower Upper
198 100
51 194.0 39.6 79.6#
105 211.9 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

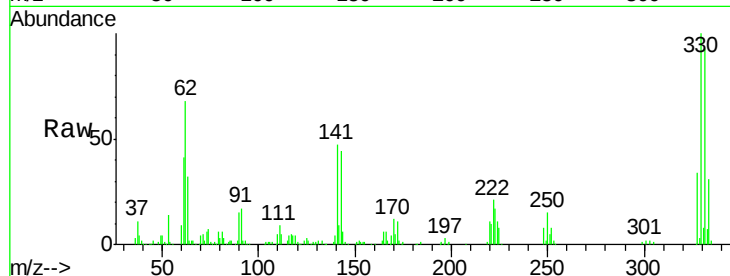




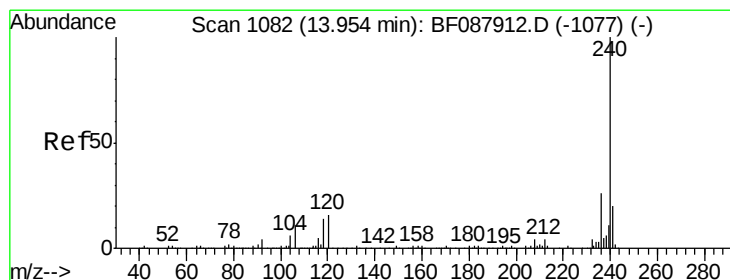
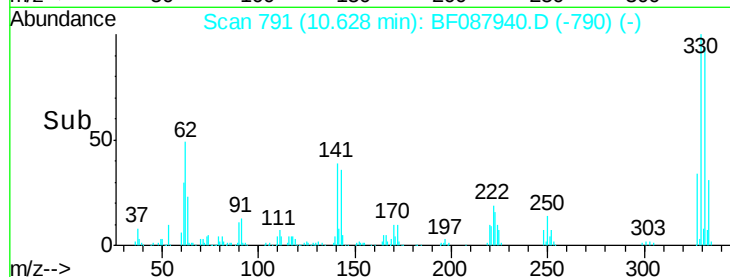
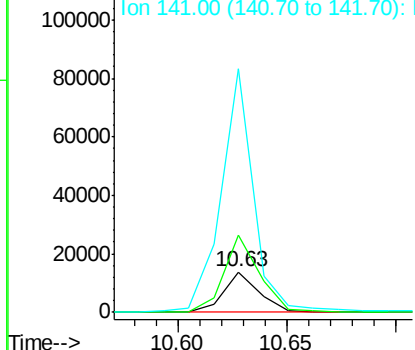
#66
 4-Bromophenyl-phenylether
 Concen: 3.54 ng
 RT: 10.63 min Scan# 791
 Delta R.T. -0.29 min
 Lab File: BF087940.D
 Acq: 12 Jun 2016 10:44

Instrument :
 BNA_F
 ClientSampleId :
 SP16-JMW0882

Tgt Ion:248 Resp: 15209
 Ion Ratio Lower Upper
 248 100
 250 191.2 77.1 115.7#
 141 605.9 50.6 76.0#

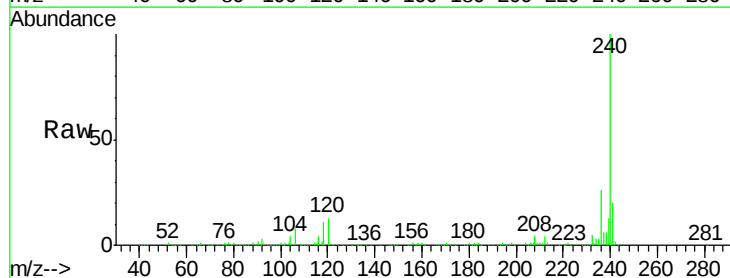


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

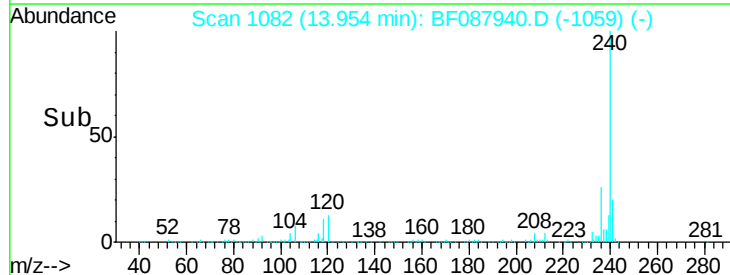
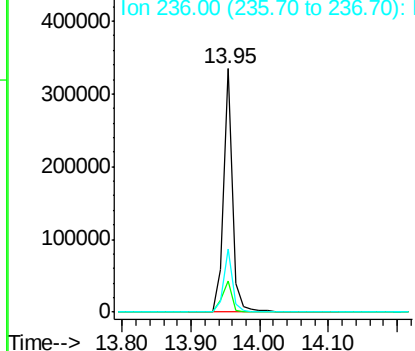


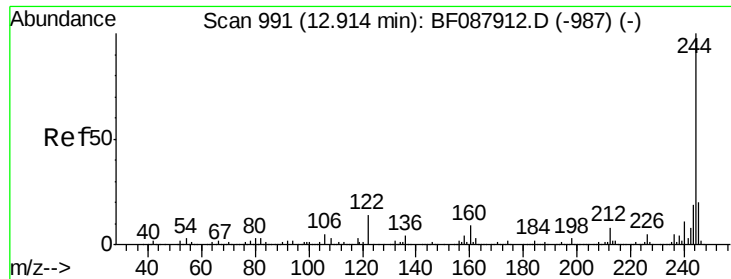
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.95 min Scan# 1082
 Delta R.T. -0.03 min
 Lab File: BF087940.D
 Acq: 12 Jun 2016 10:44

Tgt Ion:240 Resp: 313289
 Ion Ratio Lower Upper
 240 100
 120 12.6 6.8 10.2#
 236 25.7 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

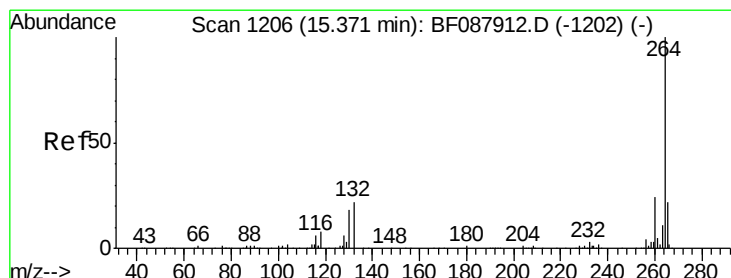
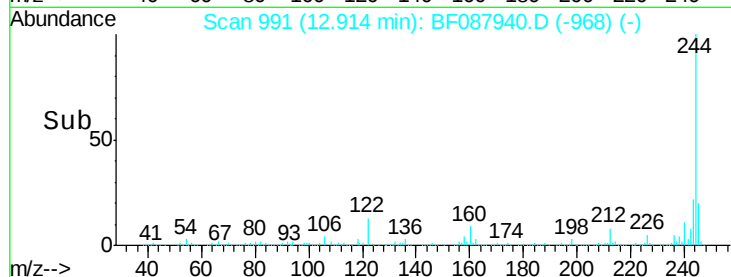
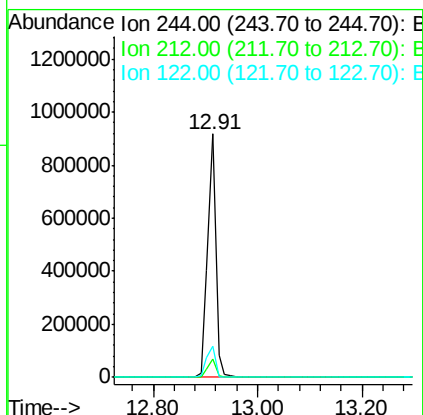
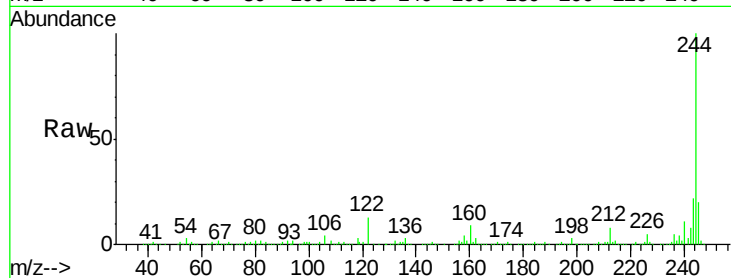




#78
 Terphenyl-d14
 Concen: 72.24 ng
 RT: 12.91 min Scan# 991
 Delta R.T. -0.03 min
 Lab File: BF087940.D
 Acq: 12 Jun 2016 10:44

Instrument :
 BNA_F
 ClientSampleId :
 SP16-JMW0882

Tgt Ion:244 Resp: 994542
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.0 9.0
 122 13.0 11.2 16.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.37 min Scan# 1206
 Delta R.T. -0.02 min
 Lab File: BF087940.D
 Acq: 12 Jun 2016 10:44

Tgt Ion:264 Resp: 229455
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 21.1 16.9 25.3

