

Data Path : S:\HPCHEM1\BNA_F\DATA\BF060916\
 Data File : BF087847.D
 Acq On : 9 Jun 2016 12:41
 Operator : UM/SJ
 Sample : H3477-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1300-02-NW-06072016

Quant Time: Jun 09 13:25:05 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

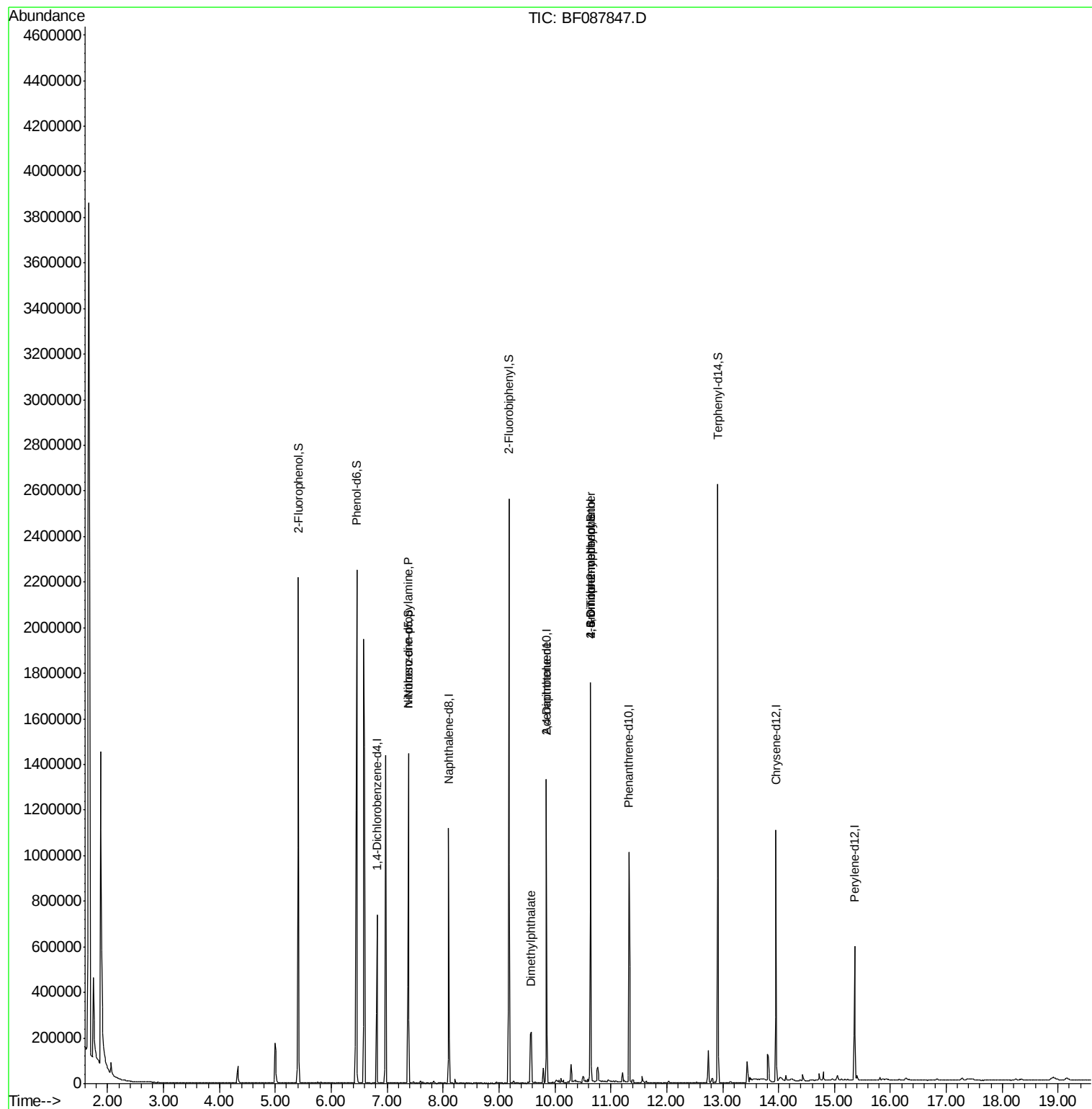
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	127817	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	493147	20.00	ng	-0.02
38) Acenaphthene-d10	9.85	164	242408	20.00	ng	-0.03
63) Phenanthrene-d10	11.32	188	425319	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	356913	20.00	ng	-0.03
86) Perylene-d12	15.36	264	251321	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	695571	93.03	ng	-0.01
7) Phenol-d6	6.46	99	934524	103.14	ng	-0.02
23) Nitrobenzene-d5	7.38	82	513613	60.82	ng	-0.03
41) 2,4,6-Tribromophenol	10.64	330	224311	87.64	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	924773	58.18	ng	-0.03
78) Terphenyl-d14	12.91	244	804639	51.30	ng	-0.03
Target Compounds						
10) Phenol	6.47	94	6116	Below Cal		Qvalue 98
19) n-Nitroso-di-n-propylamine	7.38	70	67103	11.58 ng	#	75
45) 1,1'-Biphenyl	9.18	154	1715	Below Cal	#	1
49) Dimethylphthalate	9.58	163	145673	8.30 ng		97
56) 2,4-Dinitrotoluene	9.85	165	31251	6.05 ng	#	37
57) Fluorene	10.64	166	10990	Below Cal	#	88
64) 4,6-Dinitro-2-methylphenol	10.64	198	379	2.30 ng	#	1
66) 4-Bromophenyl-phenylether	10.64	248	14290	3.13 ng	#	1

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

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 458

Delta R.T. -0.02 min

Lab File: BF087847.D

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Instrument :

BNA_F

ClientSampleId :

1300-02-NW-06072016

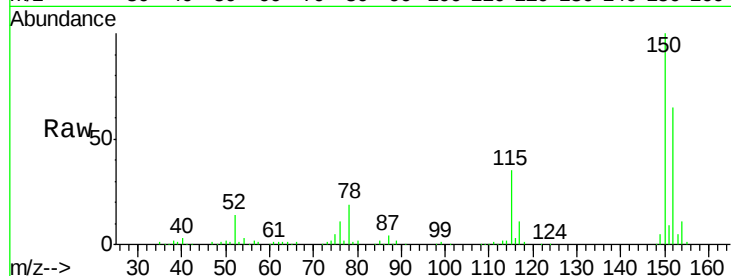
Tgt Ion:152 Resp: 127817

Ion Ratio Lower Upper

152 100

150 152.7 123.8 185.6

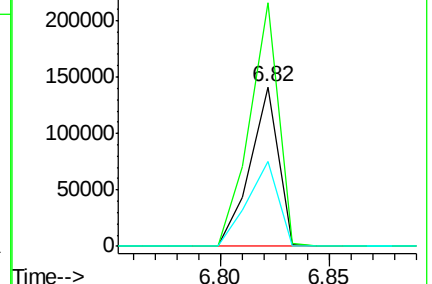
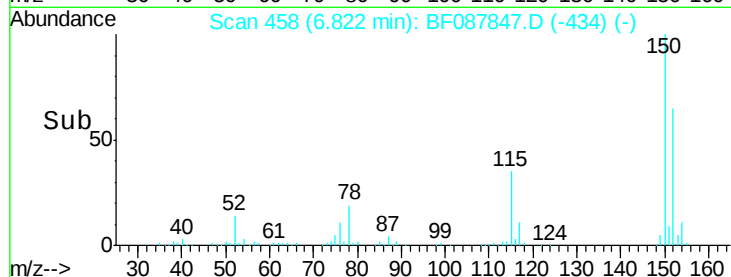
115 53.4 39.6 59.4



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: 93.03 ng

RT: 5.42 min Scan# 335

Delta R.T. -0.01 min

Lab File: BF087847.D

Acq: 9 Jun 2016 12:41

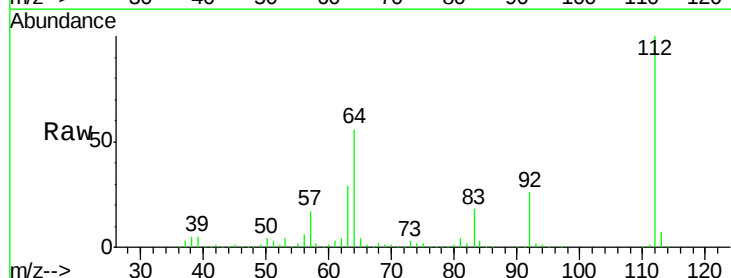
Tgt Ion:112 Resp: 695571

Ion Ratio Lower Upper

112 100

64 55.6 42.2 63.2

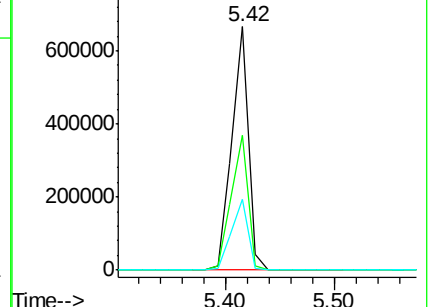
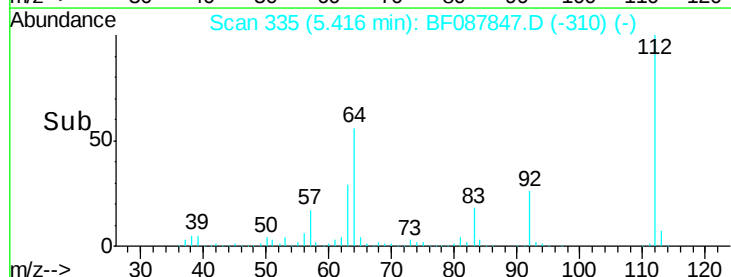
63 28.9 21.8 32.8



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: 103.14 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087847.D

Acq: 9 Jun 2016 12:41

Instrument :

BNA_F

ClientSampleId :

1300-02-NW-06072016

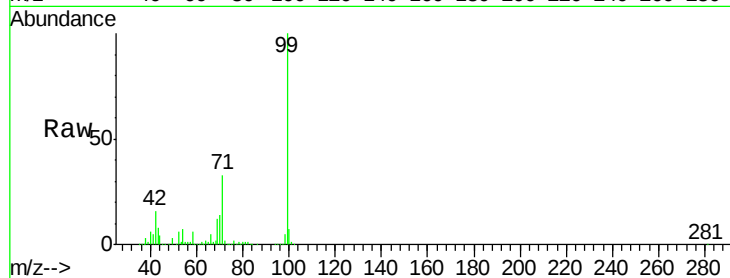
Tgt Ion: 99 Resp: 934524

Ion Ratio Lower Upper

99 100

42 16.4 12.2 18.2

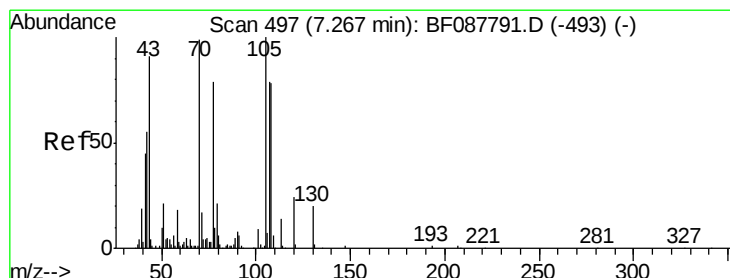
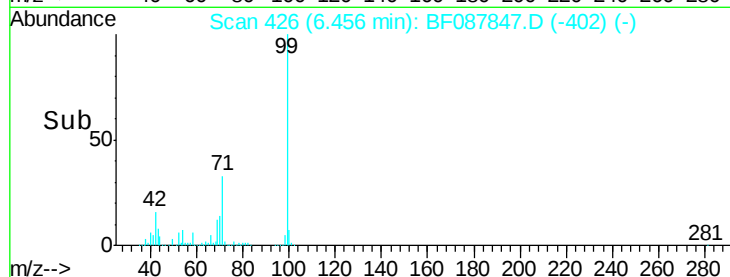
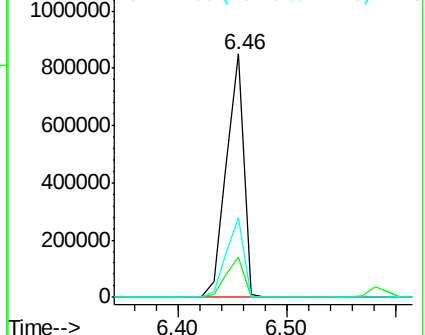
71 32.8 23.4 35.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.58 ng

RT: 7.38 min Scan# 507

Delta R.T. 0.11 min

Lab File: BF087847.D

Acq: 9 Jun 2016 12:41

Tgt Ion: 70 Resp: 67103

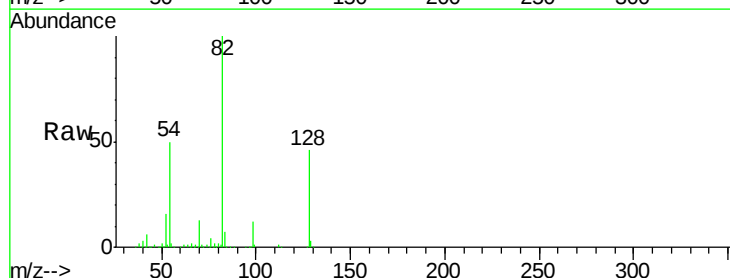
Ion Ratio Lower Upper

70 100

42 45.6 49.6 74.4#

101 0.0 7.1 10.7#

130 2.7 15.4 23.2#

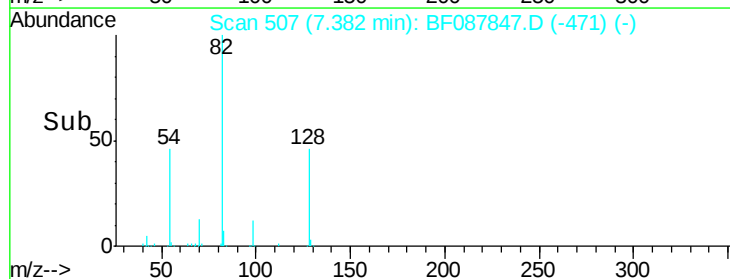
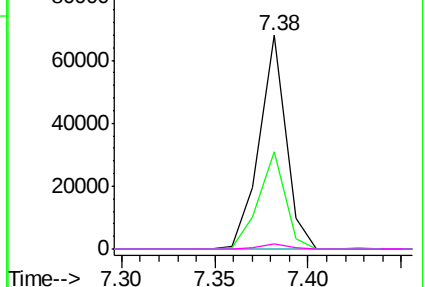


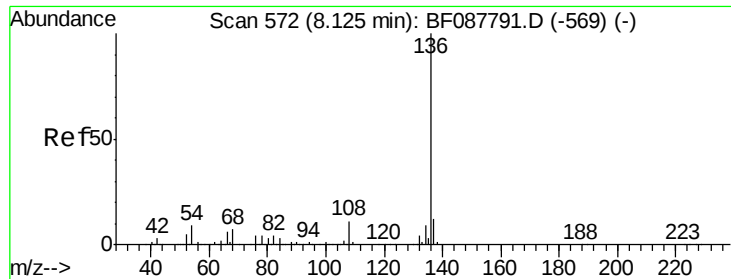
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

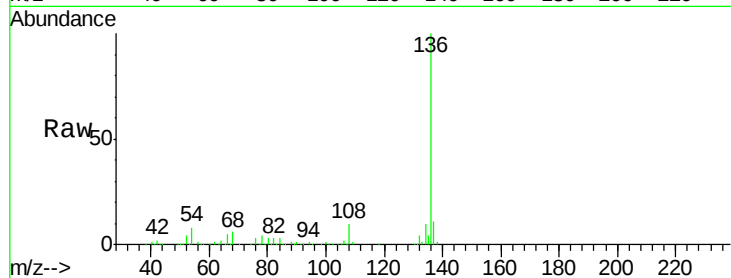




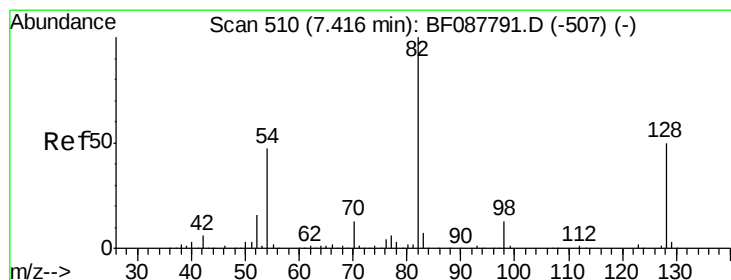
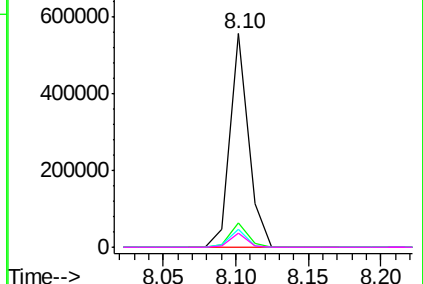
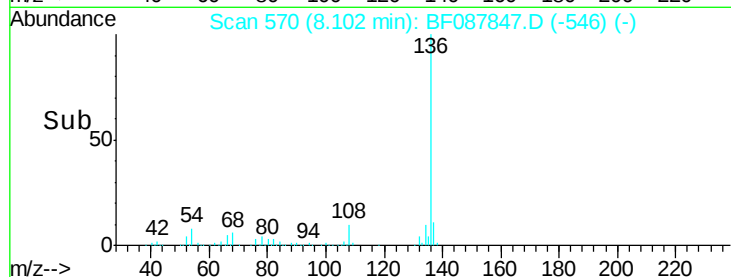
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 570
Delta R.T. -0.02 min
Lab File: BF087847.D
Acq: 9 Jun 2016 12:41

Instrument :
BNA_F
ClientSampleId :
1300-02-NW-06072016

Tgt Ion:	136	Resp:	493147
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	8.2	6.6	10.0
68	6.5	5.1	7.7

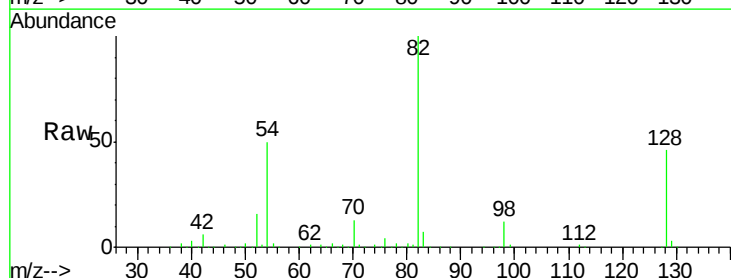


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

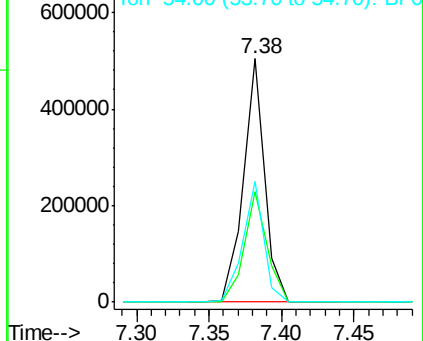
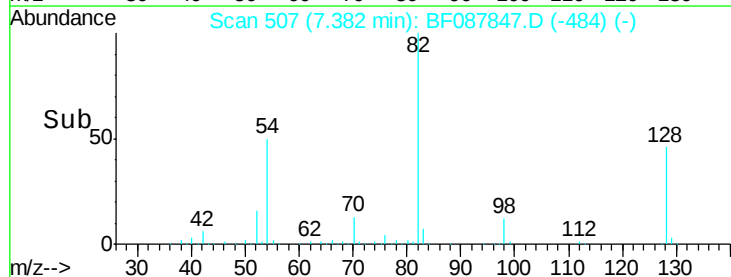


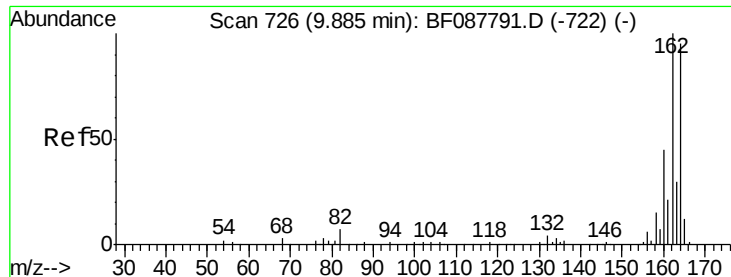
#23
Nitrobenzene-d5
Concen: 60.82 ng
RT: 7.38 min Scan# 507
Delta R.T. -0.03 min
Lab File: BF087847.D
Acq: 9 Jun 2016 12:41

Tgt Ion:	82	Resp:	513613
Ion	Ratio	Lower	Upper
82	100		
128	45.5	35.9	53.9
54	49.6	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

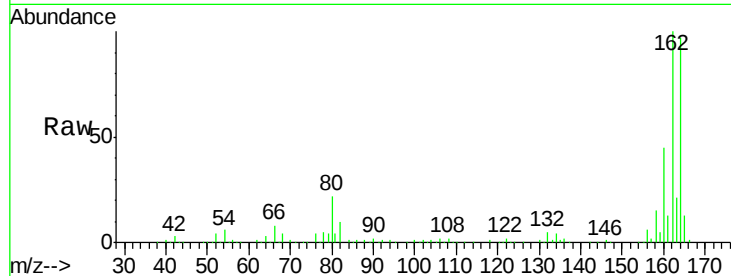




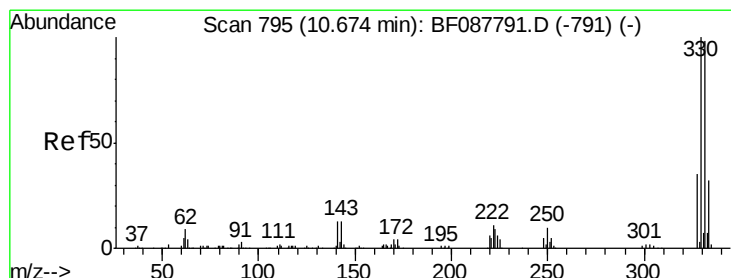
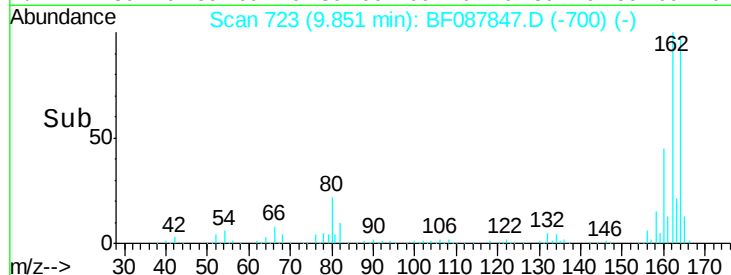
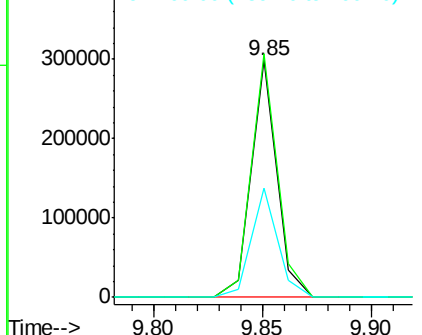
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 723
 Delta R.T. -0.03 min
 Lab File: BF087847.D
 Acq: 9 Jun 2016 12:41

Instrument :
 BNA_F
 ClientSampleId :
 1300-02-NW-06072016

Tgt Ion:164 Resp: 242408
 Ion Ratio Lower Upper
 164 100
 162 102.8 85.4 128.2
 160 46.4 39.5 59.3

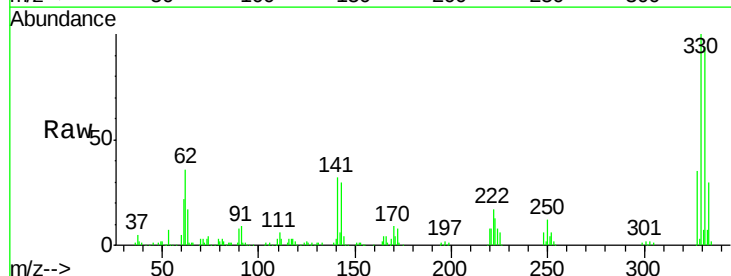


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

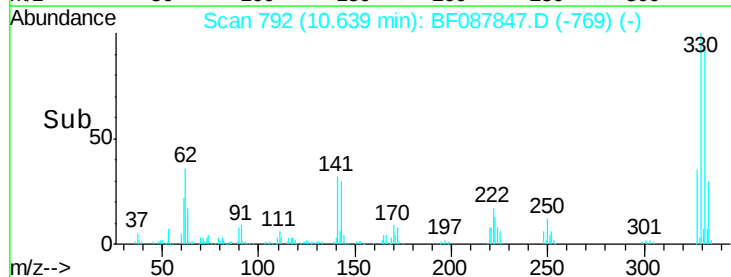
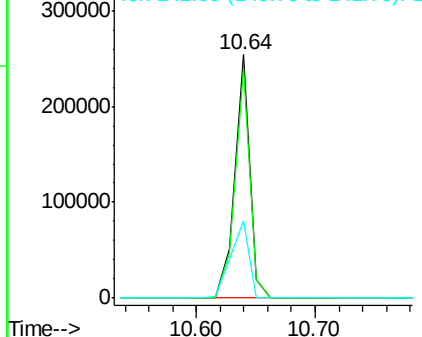


#41
 2,4,6-Tribromophenol
 Concen: 87.64 ng
 RT: 10.64 min Scan# 792
 Delta R.T. -0.03 min
 Lab File: BF087847.D
 Acq: 9 Jun 2016 12:41

Tgt Ion:330 Resp: 224311
 Ion Ratio Lower Upper
 330 100
 332 94.1 0.0 0.0#
 141 37.9 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

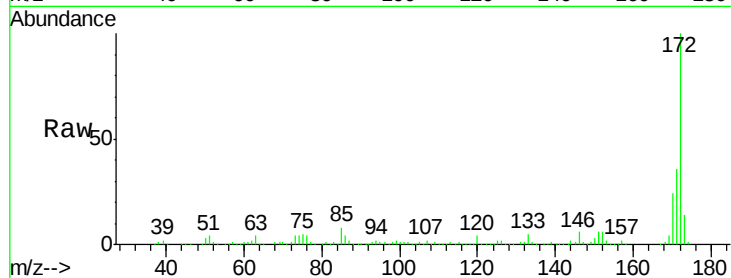




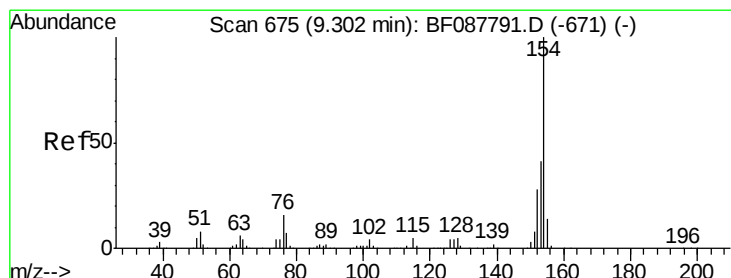
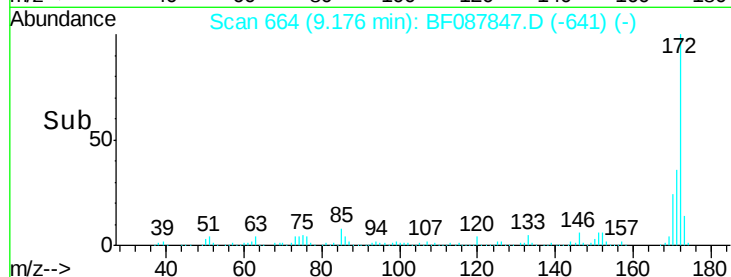
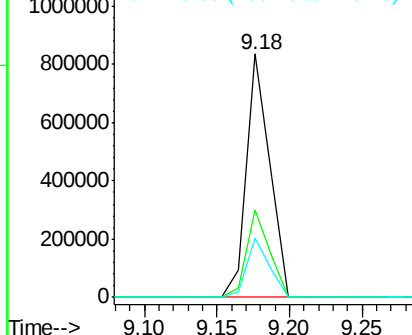
#44
 2-Fluorobiphenyl
 Concen: 58.18 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: BF087847.D
 Acq: 9 Jun 2016 12:41

Instrument :
 BNA_F
 ClientSampleId :
 1300-02-NW-06072016

Tgt Ion:172 Resp: 924773
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.6 43.0
 170 24.2 19.2 28.8

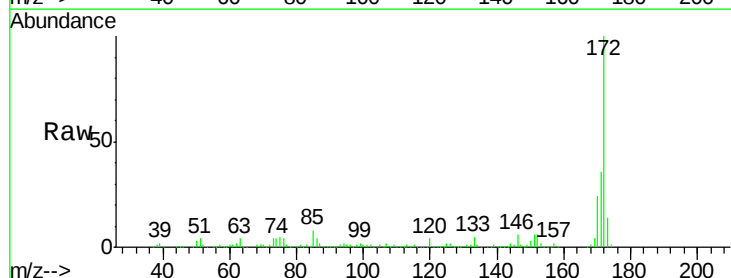


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

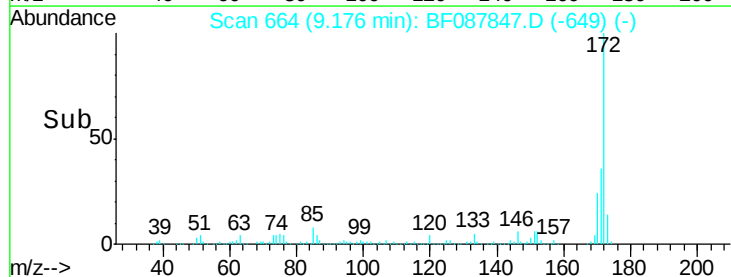
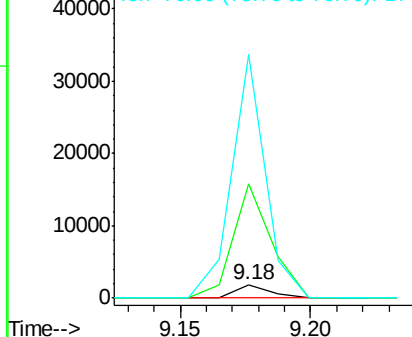


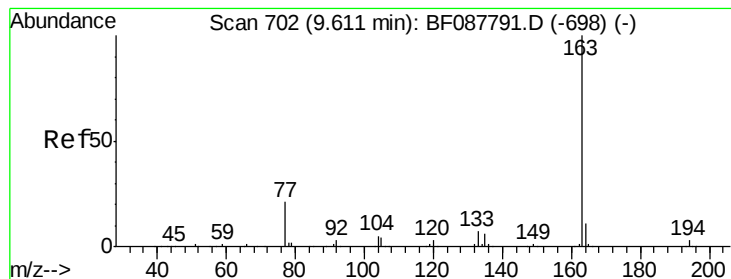
#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.18 min Scan# 664
 Delta R.T. -0.12 min
 Lab File: BF087847.D
 Acq: 9 Jun 2016 12:41

Tgt Ion:154 Resp: 1715
 Ion Ratio Lower Upper
 154 100
 153 855.2 20.6 60.6#
 76 1815.1 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





#49

Dimethylphthalate

Concen: 8.30 ng

RT: 9.58 min Scan# 699

Delta R.T. -0.03 min

Lab File: BF087847.D

Acq: 9 Jun 2016 12:41

Instrument :

BNA_F

ClientSampleId :

1300-02-NW-06072016

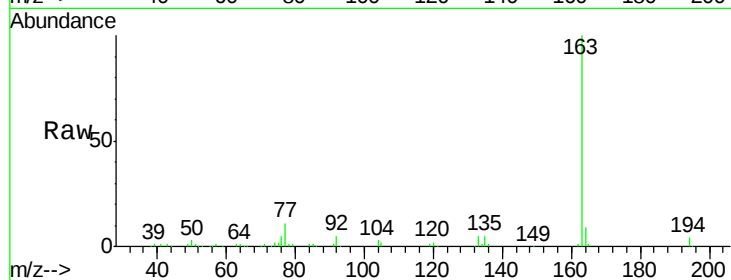
Tgt Ion:163 Resp: 145673

Ion Ratio Lower Upper

163 100

194 4.0 2.8 4.2

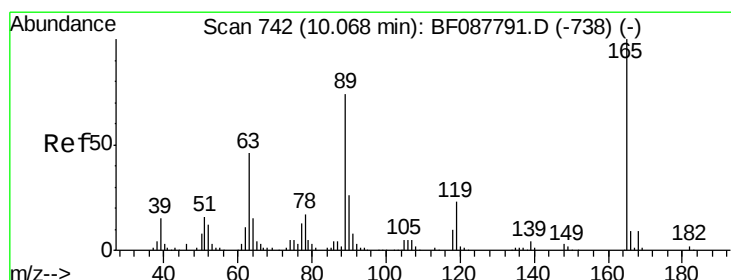
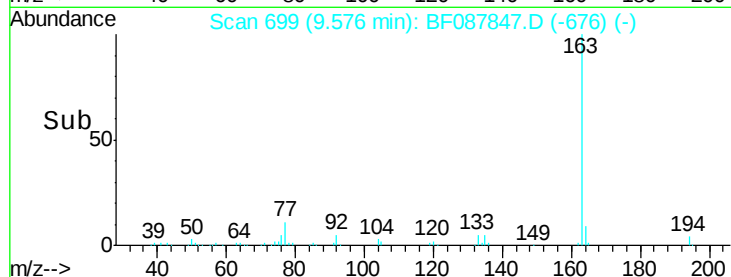
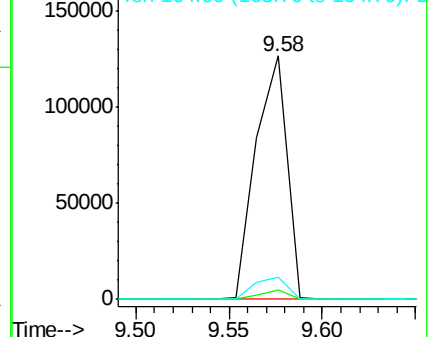
164 9.0 8.3 12.5



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



#56

2,4-Dinitrotoluene

Concen: 6.05 ng

RT: 9.85 min Scan# 723

Delta R.T. -0.22 min

Lab File: BF087847.D

Acq: 9 Jun 2016 12:41

Tgt Ion:165 Resp: 31251

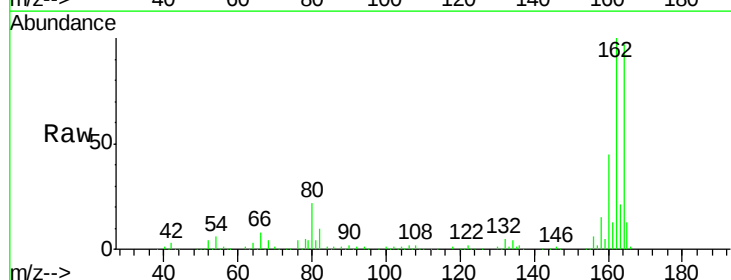
Ion Ratio Lower Upper

165 100

63 1.2 22.0 33.0#

89 1.0 41.1 61.7#

182 0.0 2.0 3.0#

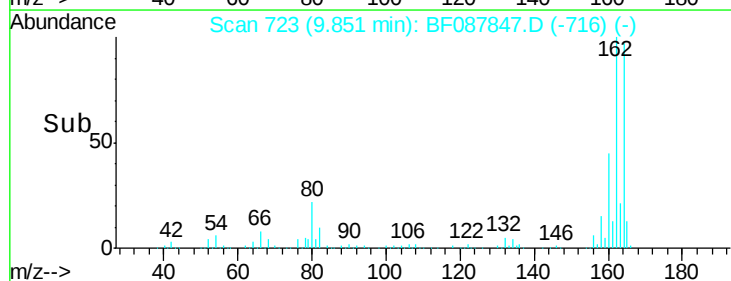
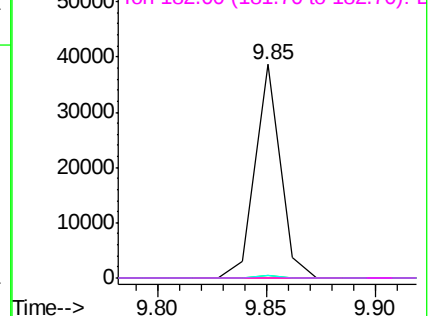


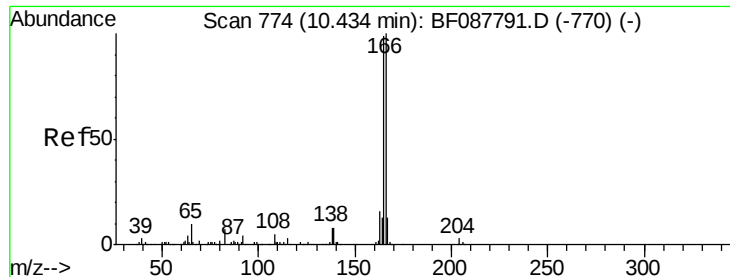
Abundance Ion 165.00 (164.70 to 165.70): E

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

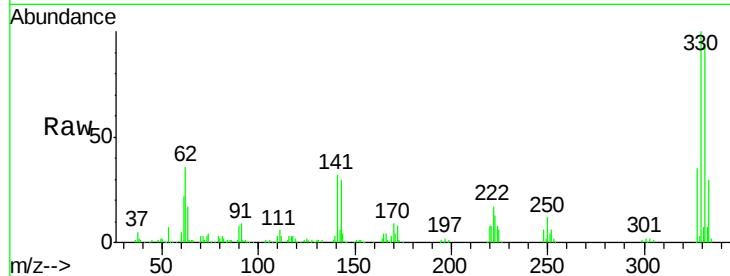




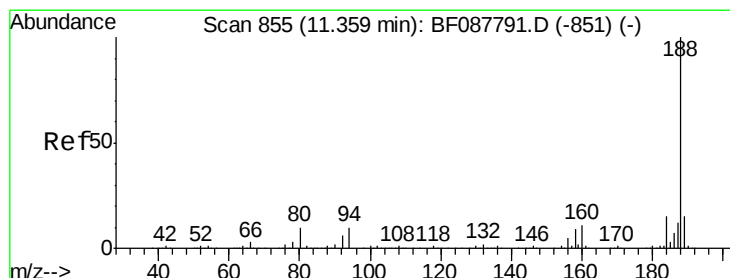
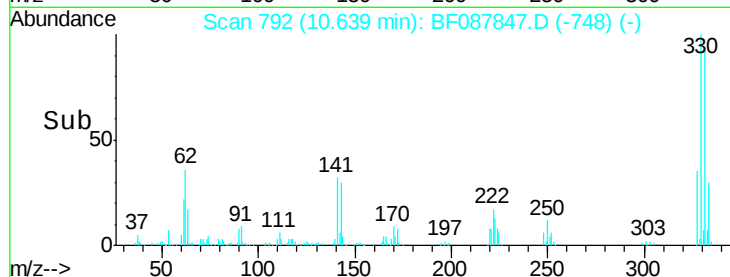
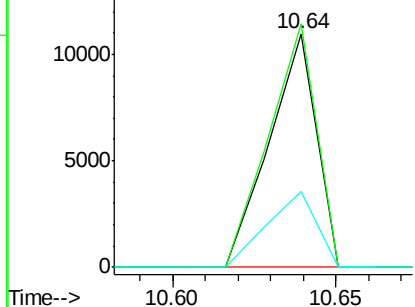
#57
 Fluorene
 Concen: Below Cal
 RT: 10.64 min Scan# 792
 Delta R.T. 0.21 min
 Lab File: BF087847.D
 Acq: 9 Jun 2016 12:41

Instrument :
 BNA_F
 ClientSampleId :
 1300-02-NW-06072016

Tgt Ion:166 Resp: 10990
 Ion Ratio Lower Upper
 166 100
 165 104.3 77.8 116.8
 167 32.8 11.2 16.8#

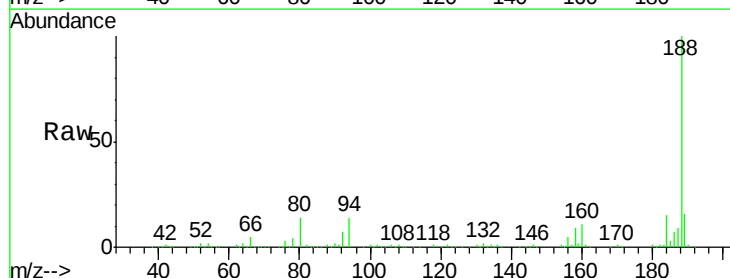


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

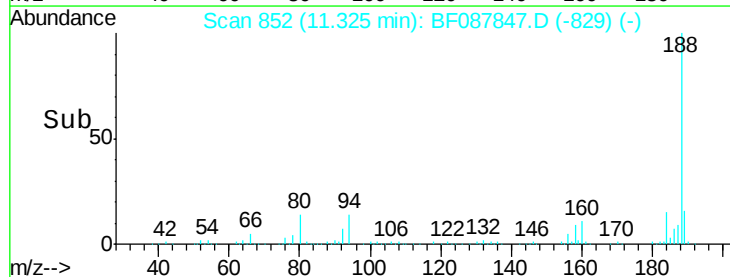
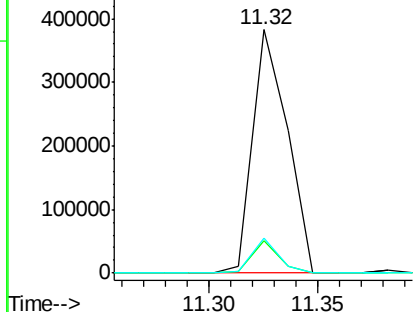


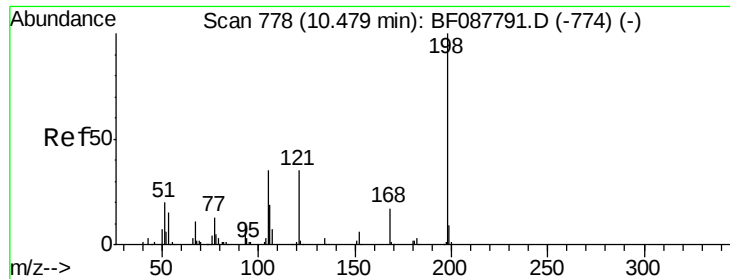
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.32 min Scan# 852
 Delta R.T. -0.03 min
 Lab File: BF087847.D
 Acq: 9 Jun 2016 12:41

Tgt Ion:188 Resp: 425319
 Ion Ratio Lower Upper
 188 100
 94 13.5 9.0 13.6
 80 14.3 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

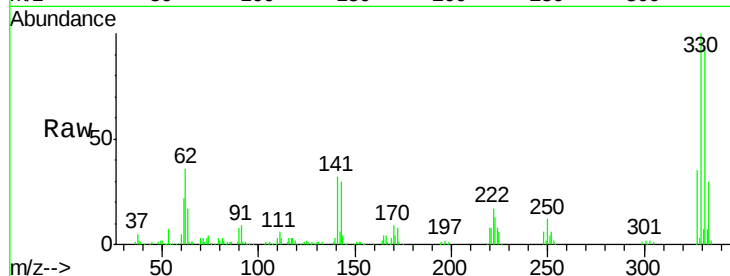




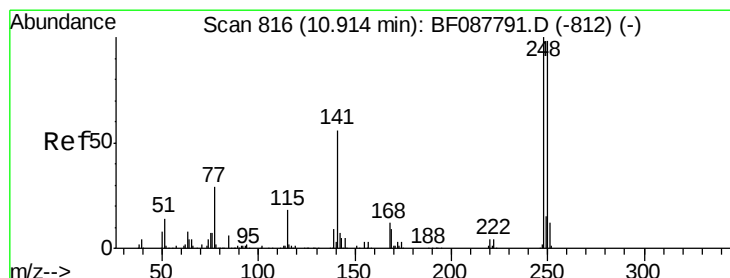
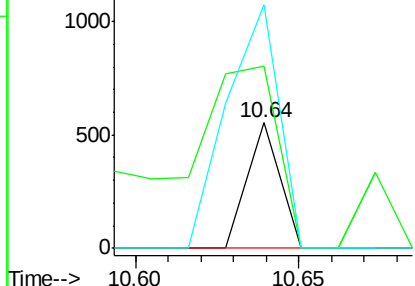
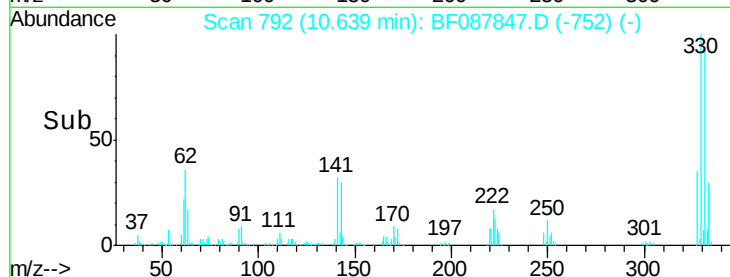
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.30 ng
 RT: 10.64 min Scan# 792
 Delta R.T. 0.16 min
 Lab File: BF087847.D
 Acq: 9 Jun 2016 12:41

Instrument :
 BNA_F
 ClientSampleId :
 1300-02-NW-06072016

Tgt Ion:198 Resp: 379
 Ion Ratio Lower Upper
 198 100
 51 145.8 39.6 79.6#
 105 194.4 36.6 76.6#

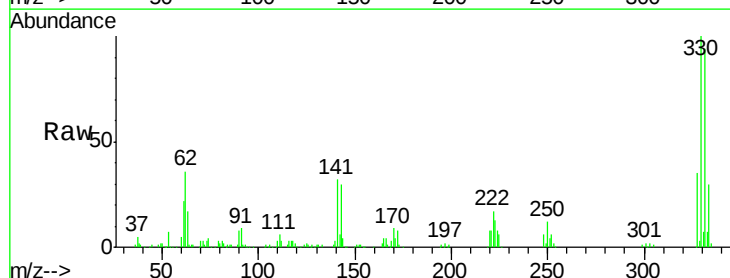


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

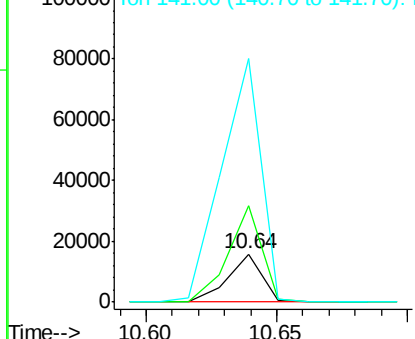
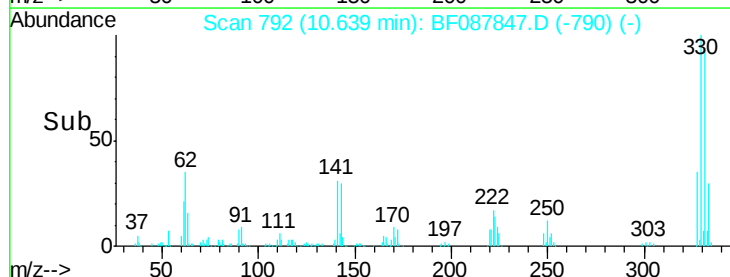


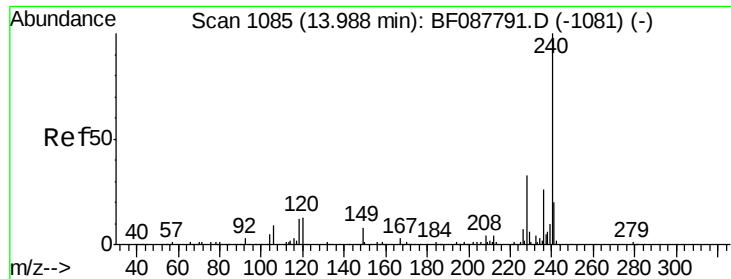
#66
 4-Bromophenyl-phenylether
 Concen: 3.13 ng
 RT: 10.64 min Scan# 792
 Delta R.T. -0.27 min
 Lab File: BF087847.D
 Acq: 9 Jun 2016 12:41

Tgt Ion:248 Resp: 14290
 Ion Ratio Lower Upper
 248 100
 250 198.8 77.1 115.7#
 141 505.2 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: 13.95 min Scan# 1082

Delta R.T. -0.03 min

Lab File: BF087847.D

Acq: 9 Jun 2016 12:41

Instrument :

BNA_F

ClientSampleId :

1300-02-NW-06072016

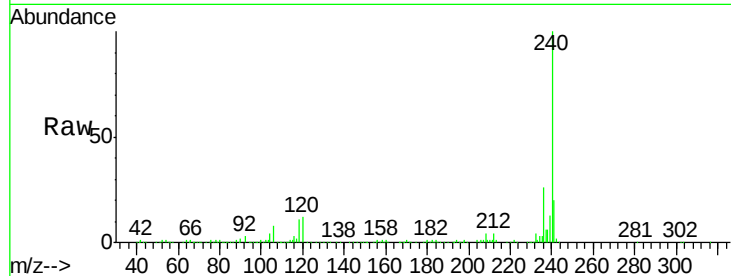
Tgt Ion:240 Resp: 356913

Ion Ratio Lower Upper

240 100

120 12.2 6.8 10.2#

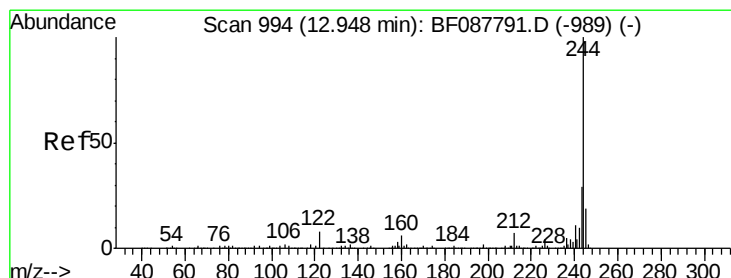
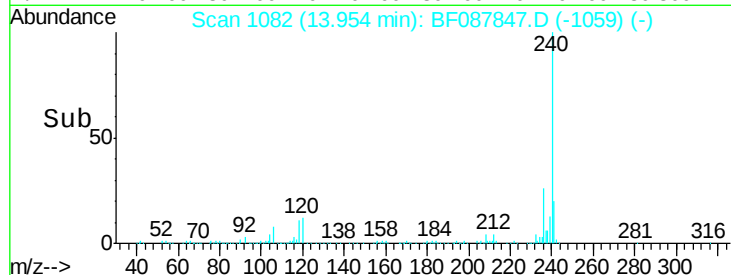
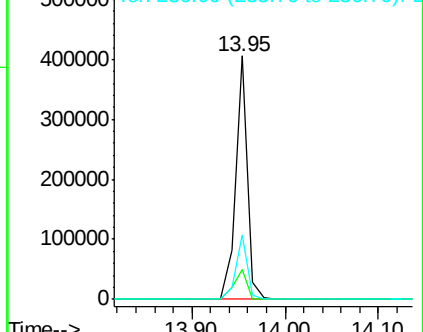
236 26.3 20.2 30.2



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: 51.30 ng

RT: 12.91 min Scan# 991

Delta R.T. -0.03 min

Lab File: BF087847.D

Acq: 9 Jun 2016 12:41

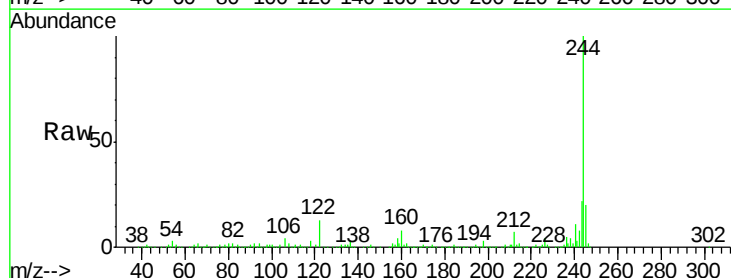
Tgt Ion:244 Resp: 804639

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

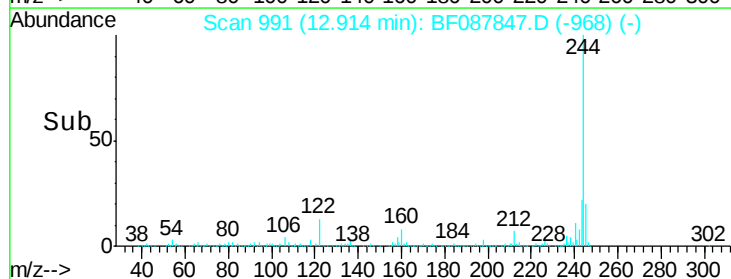
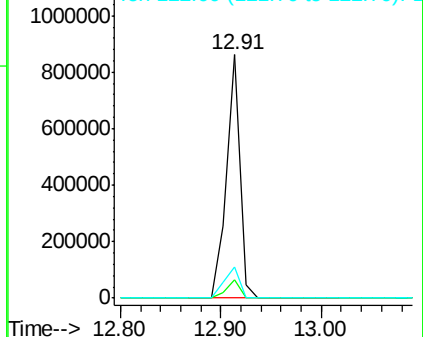
122 12.8 11.2 16.8

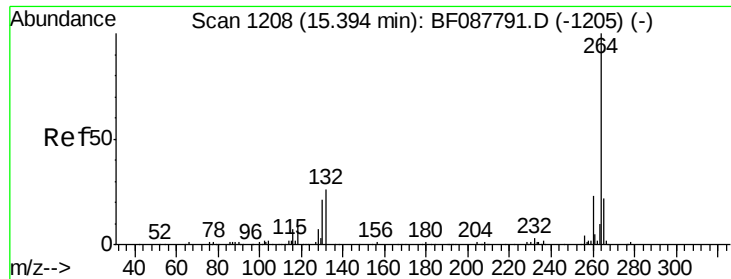


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.36 min Scan# 1205
Delta R.T. -0.03 min
Lab File: BF087847.D
Acq: 9 Jun 2016 12:41

Instrument :
BNA_F
ClientSampleId :
1300-02-NW-06072016

Tgt Ion: 264 Resp: 251321
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 21.8 16.9 25.3

