

Data Path : Z:\HPCHEM1\BNA F\Data\BF060816\
 Data File : BF087841.D
 Acq On : 9 Jun 2016 8:42
 Operator : UM/SJ
 Sample : H3446-01
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 09 14:20:09 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	112077	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	445811	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	184998	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	289743	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	261863	20.00	ng	0.00
86) Perylene-d12	15.41	264	194607	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	612045	93.36	ng	0.00
7) Phenol-d6	6.46	99	679373	85.51	ng	-0.02
23) Nitrobenzene-d5	7.39	82	593576	77.75	ng	-0.02
41) 2,4,6-Tribromophenol	10.66	330	203449	104.15	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	1020605	86.78	ng	-0.01
78) Terphenyl-d14	12.95	244	820103	71.27	ng	0.00

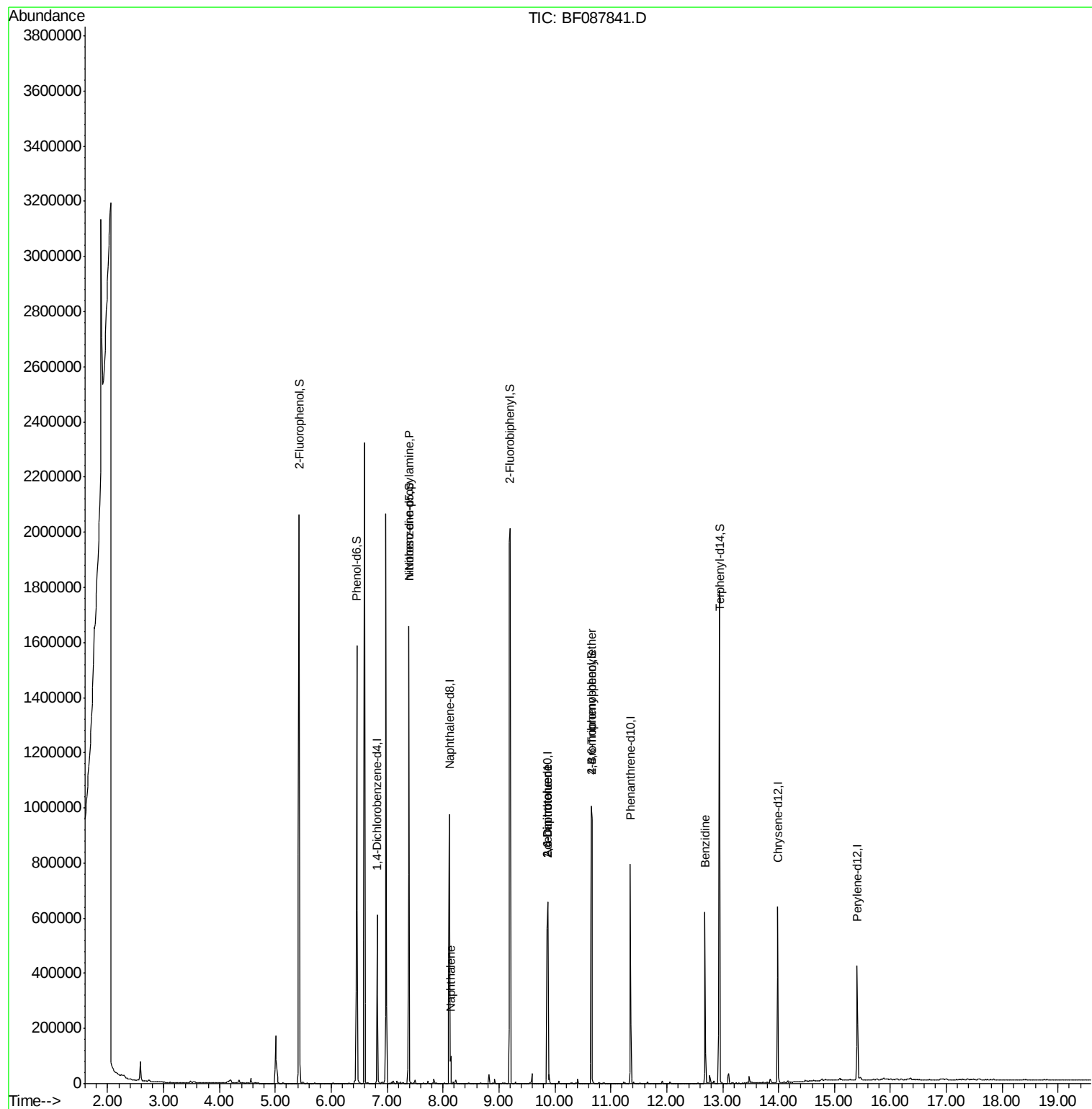
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.47	94	1304	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.39	70	78933	15.53	ng	71
31) Naphthalene	8.14	128	58617	2.66	ng	97
45) 1,1'-Biphenyl	9.29	154	1989	Below Cal		97
50) 2,6-Dinitrotoluene	9.87	165	23344	7.61	ng	37
56) 2,4-Dinitrotoluene	9.87	165	23344	5.92	ng	36
57) Fluorene	10.41	166	4948	Below Cal		95
66) 4-Bromophenyl-phenylether	10.66	248	11523	3.71	ng	1
76) Benzidine	12.69	184	227784	31.42	ng	98

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 458

Delta R.T. -0.02 min

Lab File: BF087841.D

Acq: 9 Jun 2016 8:42

Instrument :
BNA_F
ClientSampleId :

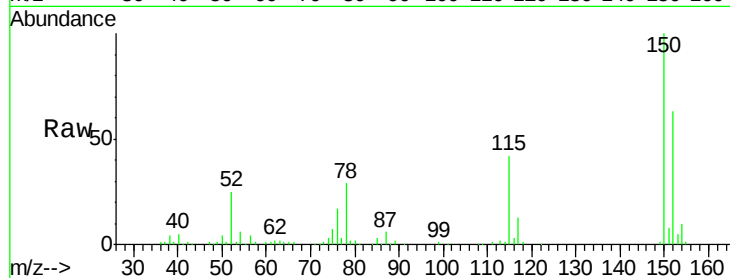
Tot Ion:152 Resp: 112077

Ion Ratio Lower Upper

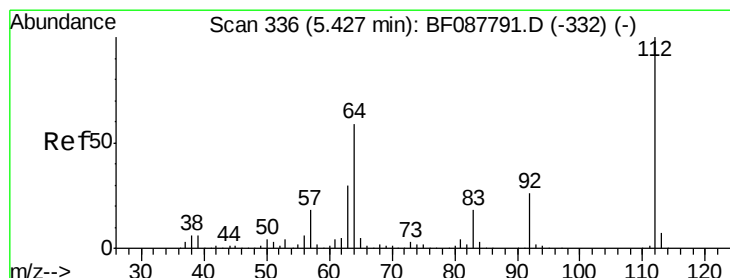
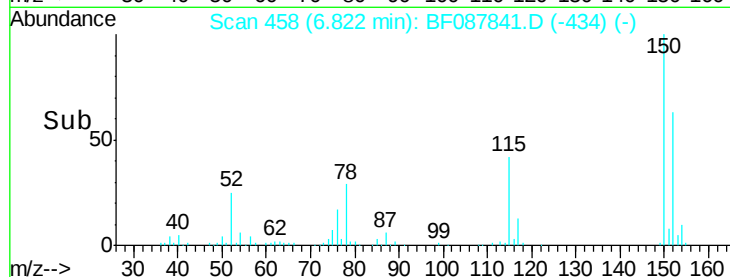
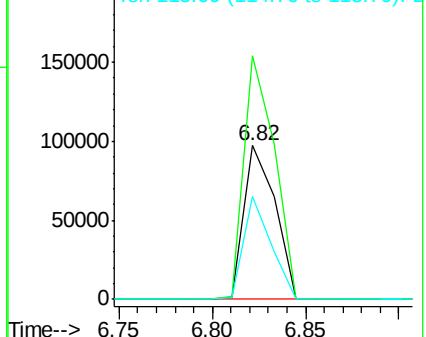
152 100

150 158.5 123.8 185.6

115 66.9 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: 93.36 ng

RT: 5.43 min Scan# 336

Delta R.T. 0.00 min

Lab File: BF087841.D

Acq: 9 Jun 2016 8:42

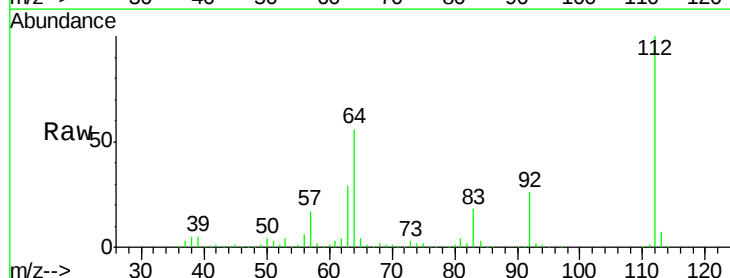
Tgt Ion:112 Resp: 612045

Ion Ratio Lower Upper

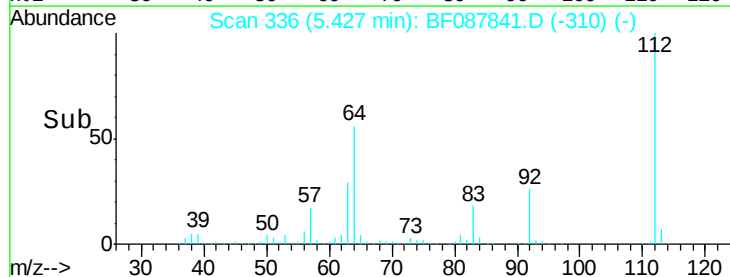
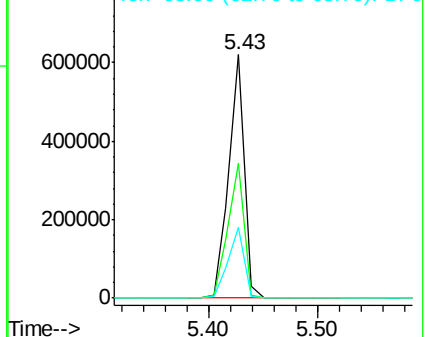
112 100

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: 85.51 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087841.D

Acq: 9 Jun 2016 8:42

Instrument :

BNA_F

ClientSampleId :

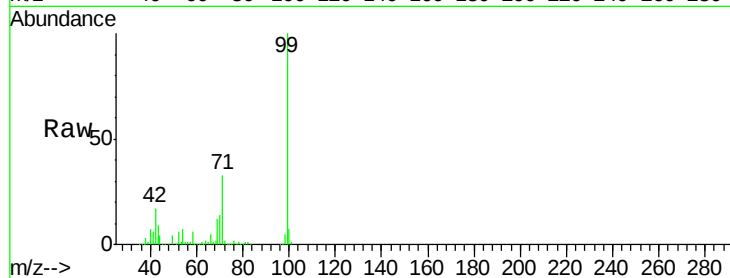
Tot Ion: 99 Resp: 679373

Ion Ratio Lower Upper

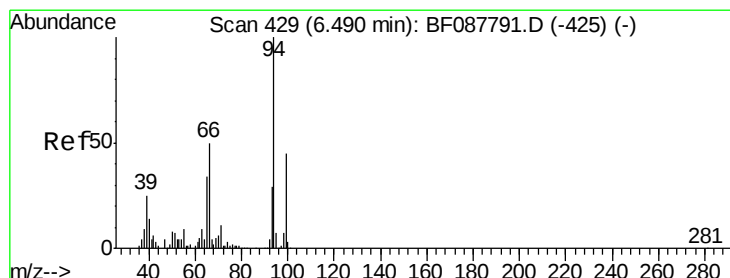
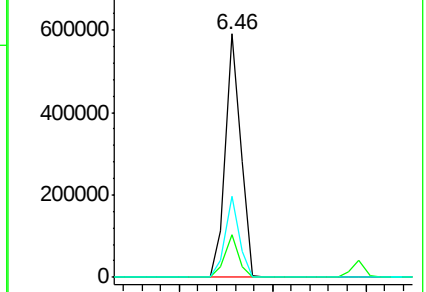
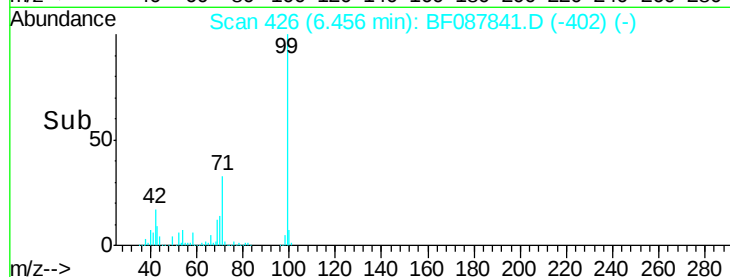
99 100

42 17.4 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



#10

Phenol

Concen: Below Cal

RT: 6.47 min Scan# 427

Delta R.T. -0.02 min

Lab File: BF087841.D

Acq: 9 Jun 2016 8:42

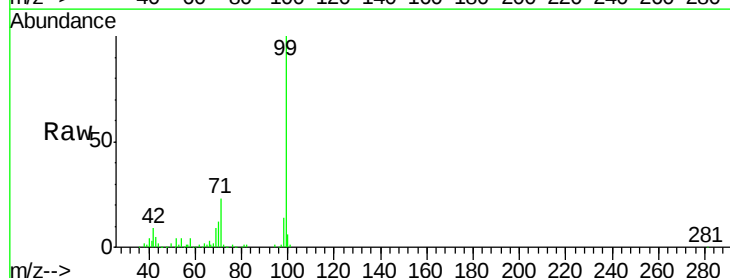
Tgt Ion: 94 Resp: 1304

Ion Ratio Lower Upper

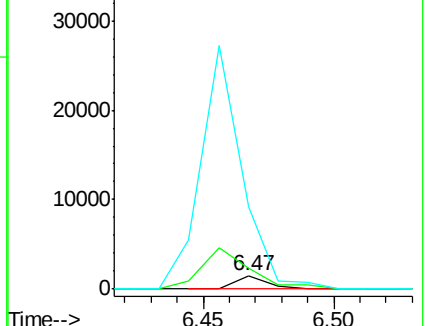
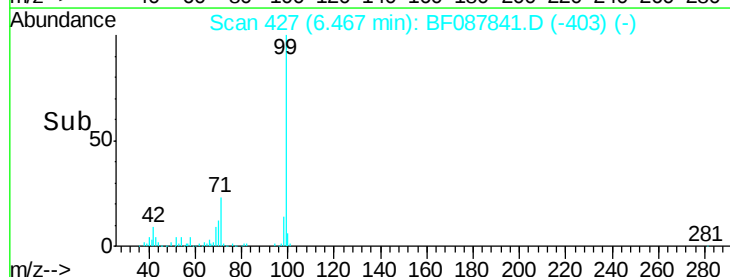
94 100

65 155.8 5.9 45.9#

66 609.5 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

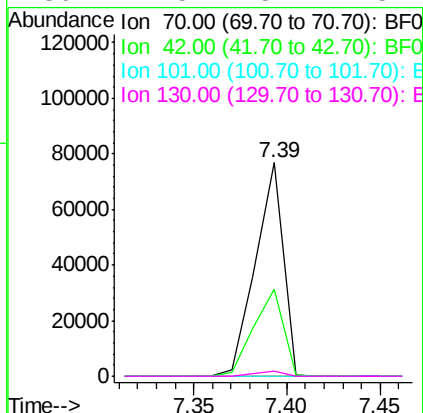
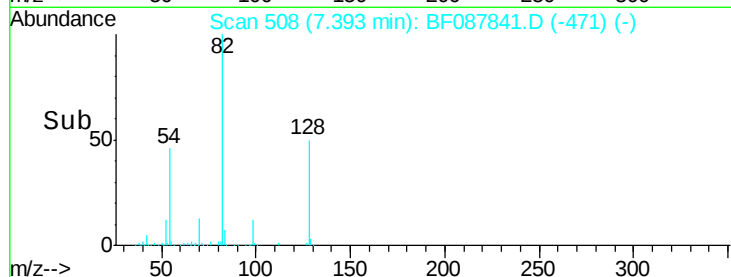
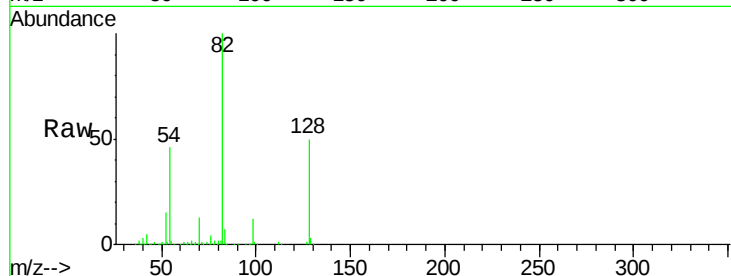




#19
n-Nitroso-di-n-propylamine
Concen: 15.53 ng
RT: 7.39 min Scan# 508
Delta R.T. 0.13 min
Lab File: BF087841.D
Acq: 9 Jun 2016 8:42

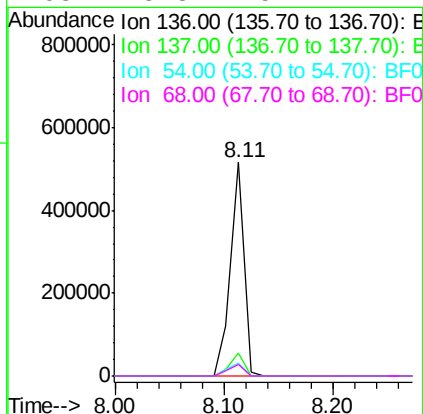
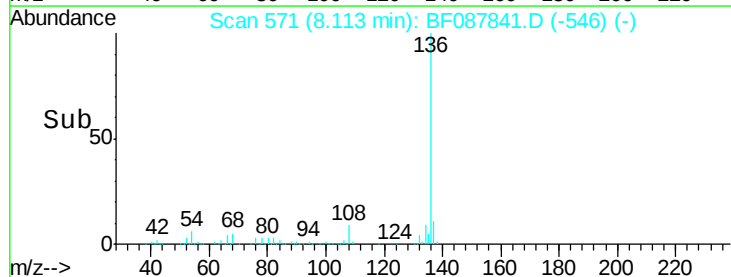
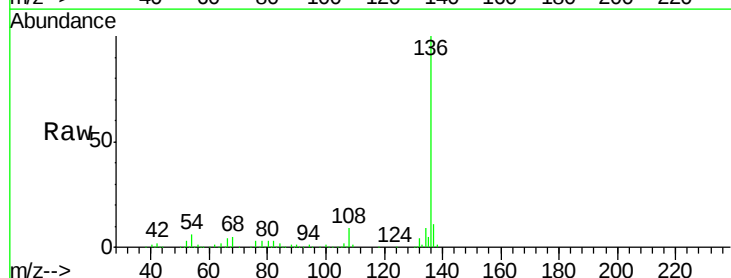
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 78933
Ion Ratio Lower Upper
70 100
42 41.0 49.6 74.4#
101 0.0 7.1 10.7#
130 2.5 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 571
Delta R.T. -0.01 min
Lab File: BF087841.D
Acq: 9 Jun 2016 8:42

Tgt Ion: 136 Resp: 445811
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 6.1 6.6 10.0#
68 5.3 5.1 7.7

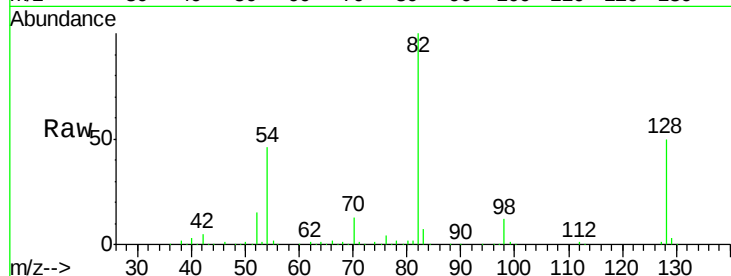




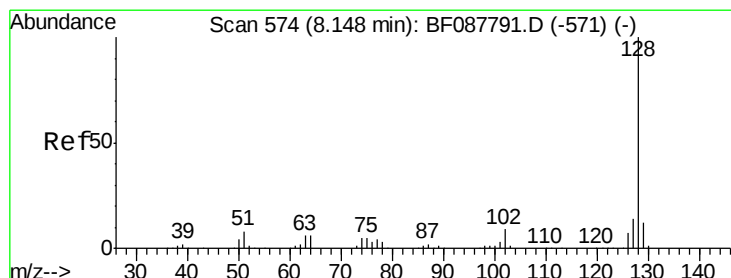
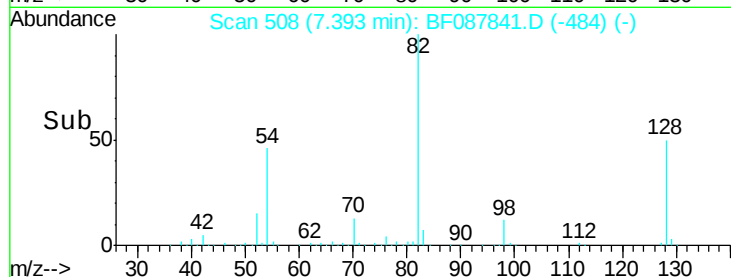
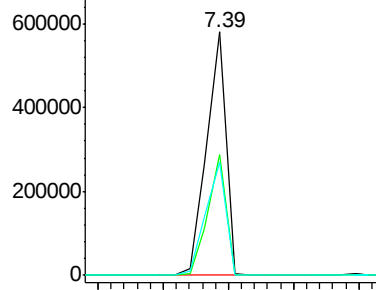
#23
Nitrobenzene-d5
Concen: 77.75 ng
RT: 7.39 min Scan# 508
Delta R.T. -0.02 min
Lab File: BF087841.D
Acq: 9 Jun 2016 8:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 593576
Ion Ratio Lower Upper
82 100
128 49.6 35.9 53.9
54 46.5 40.9 61.3

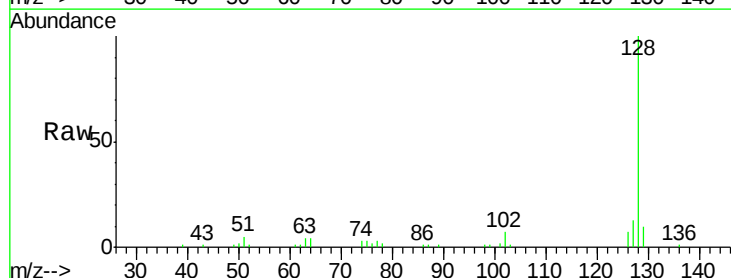


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

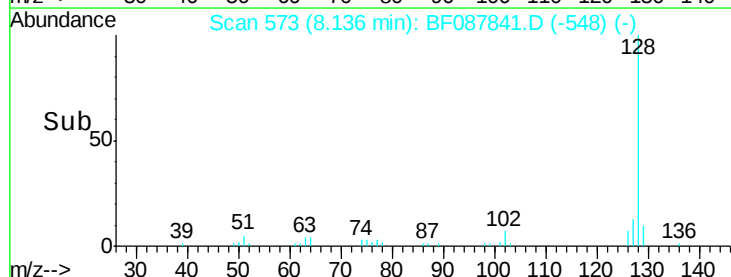
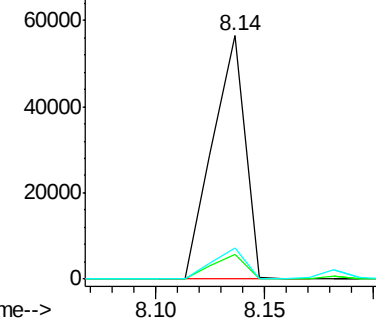


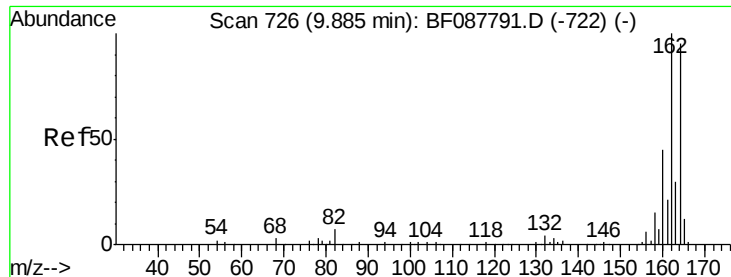
#31
Naphthalene
Concen: 2.66 ng
RT: 8.14 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF087841.D
Acq: 9 Jun 2016 8:42

Tgt Ion: 128 Resp: 58617
Ion Ratio Lower Upper
128 100
129 10.2 9.4 14.2
127 13.0 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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF087841.D

Acq: 9 Jun 2016 8:42

Instrument :

BNA_F

ClientSampleId :

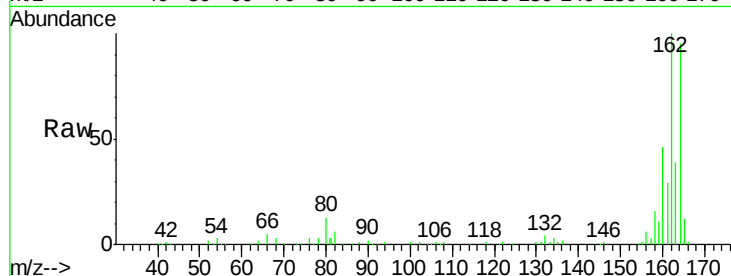
Tot Ion:164 Resp: 184998

Ion Ratio Lower Upper

164 100

162 105.2 85.4 128.2

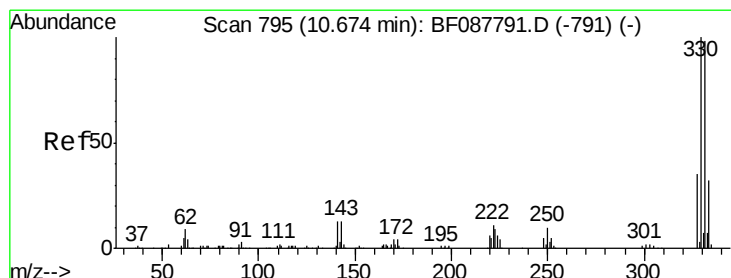
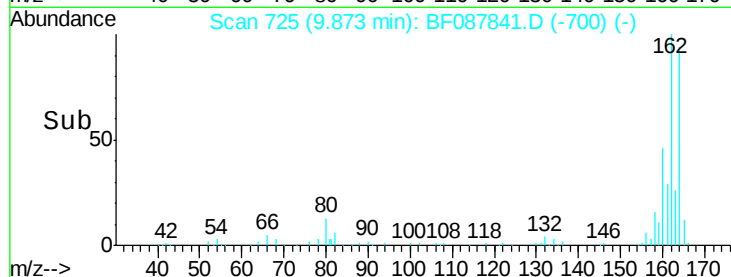
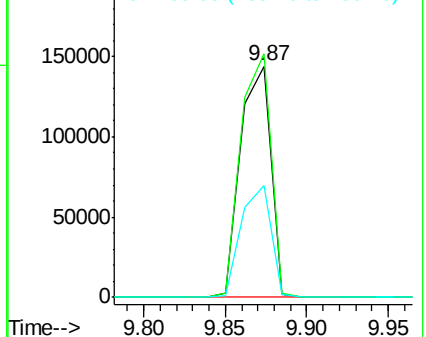
160 48.6 39.5 59.3



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: 104.15 ng

RT: 10.66 min Scan# 794

Delta R.T. -0.01 min

Lab File: BF087841.D

Acq: 9 Jun 2016 8:42

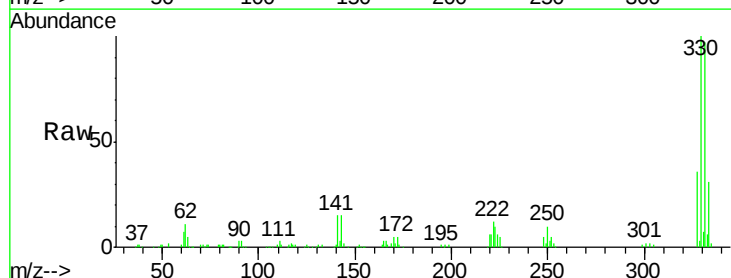
Tgt Ion:330 Resp: 203449

Ion Ratio Lower Upper

330 100

332 96.1 0.0 0.0#

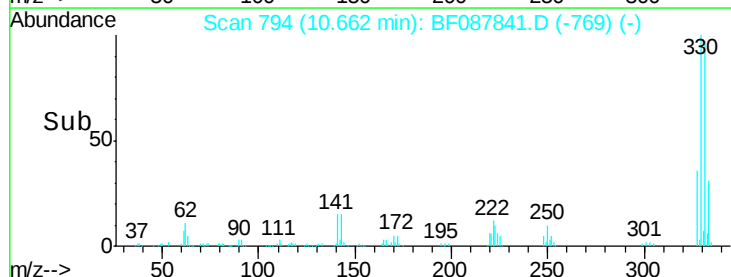
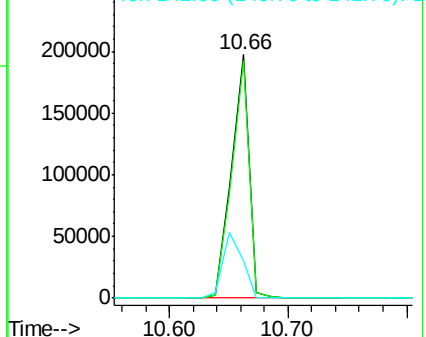
141 29.8 0.0 0.0#

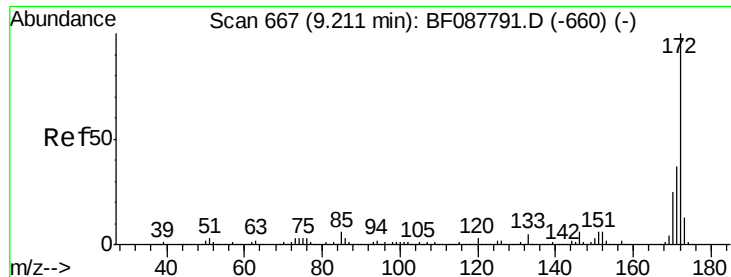


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



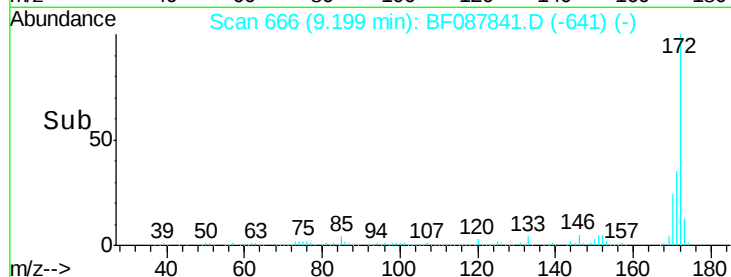
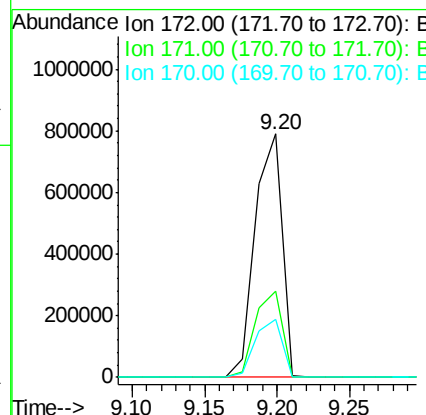
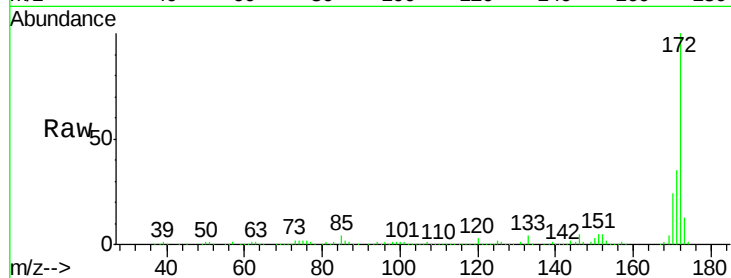


#44
 2-Fluorobiphenyl
 Concen: 86.78 ng
 RT: 9.20 min Scan# 666
 Delta R.T. -0.01 min
 Lab File: BF087841.D
 Acq: 9 Jun 2016 8:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1020605

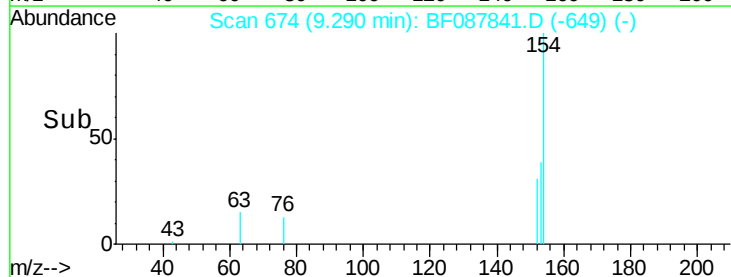
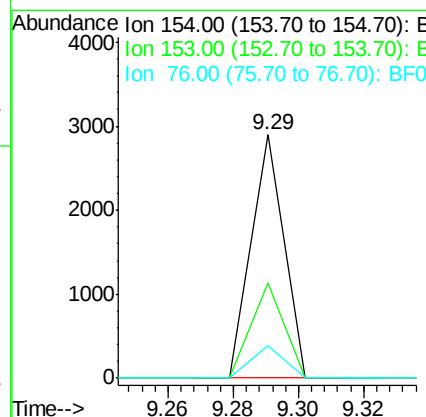
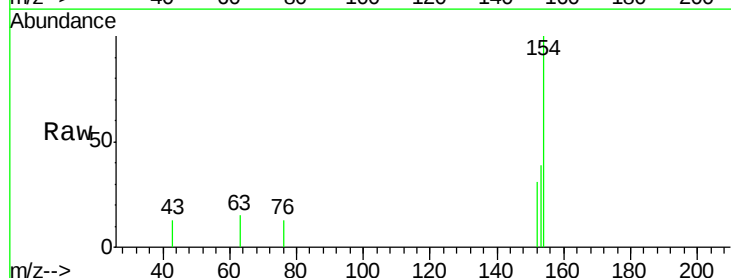
Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	43.0
170	24.0	19.2	28.8

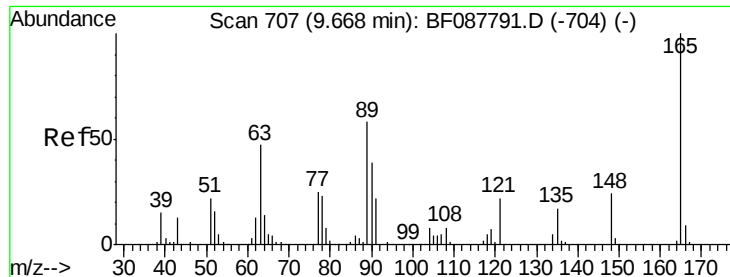


#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.29 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: BF087841.D
 Acq: 9 Jun 2016 8:42

Tgt Ion:154 Resp: 1989

Ion	Ratio	Lower	Upper
154	100		
153	39.1	20.6	60.6
76	13.3	0.0	35.1

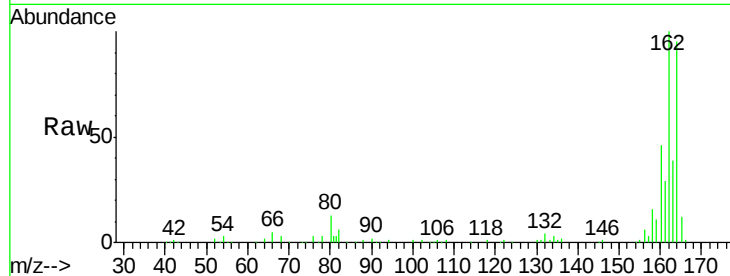




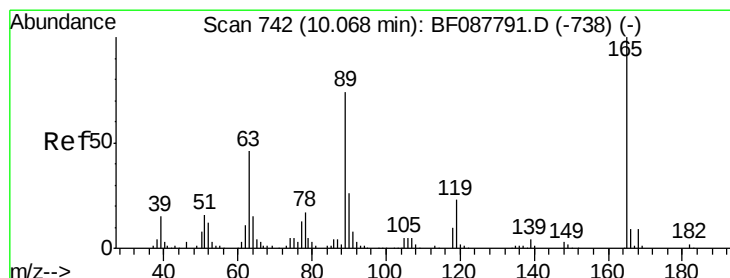
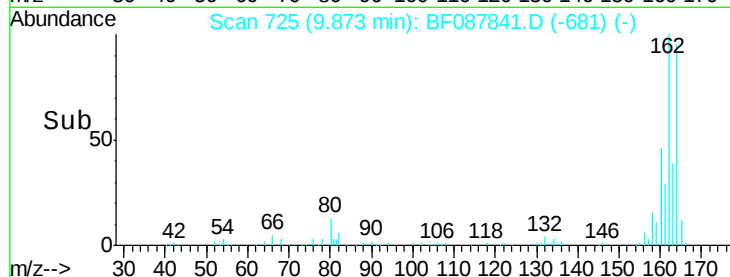
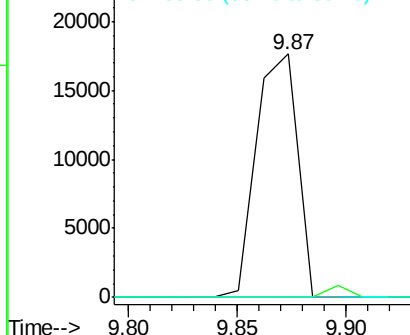
#50
2,6-Dinitrotoluene
Concen: 7.61 ng
RT: 9.87 min Scan# 725
Delta R.T. 0.21 min
Lab File: BF087841.D
Acq: 9 Jun 2016 8:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 23344
Ion Ratio Lower Upper
165 100
63 0.0 28.1 42.1#
89 0.0 32.2 48.2#

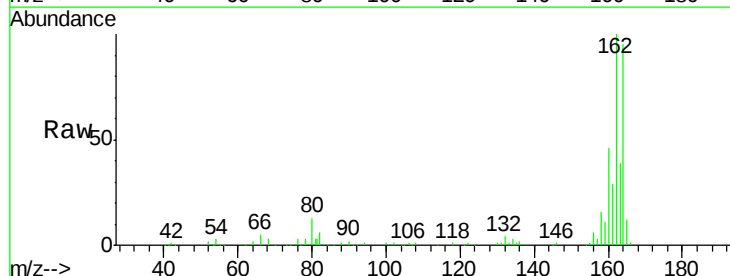


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

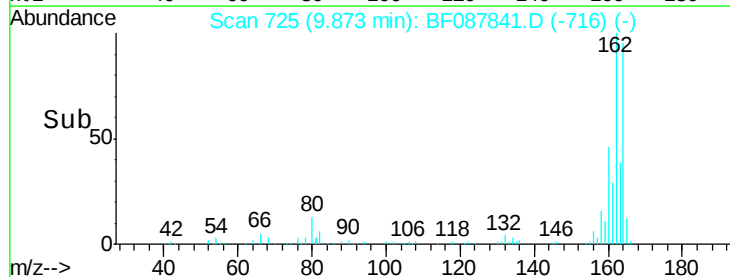
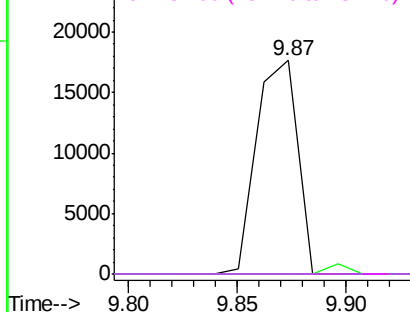


#56
2,4-Dinitrotoluene
Concen: 5.92 ng
RT: 9.87 min Scan# 725
Delta R.T. -0.19 min
Lab File: BF087841.D
Acq: 9 Jun 2016 8:42

Tgt Ion:165 Resp: 23344
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

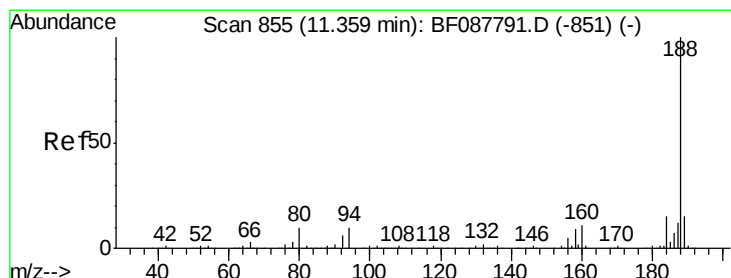
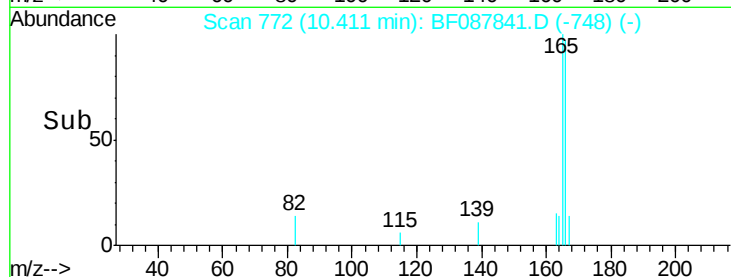
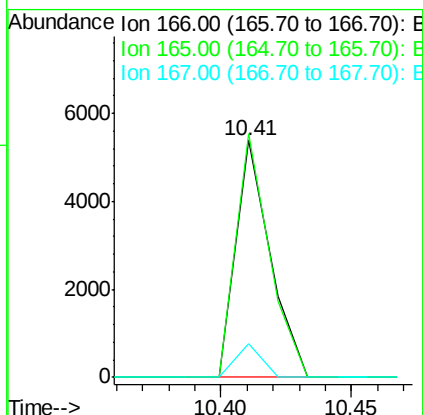
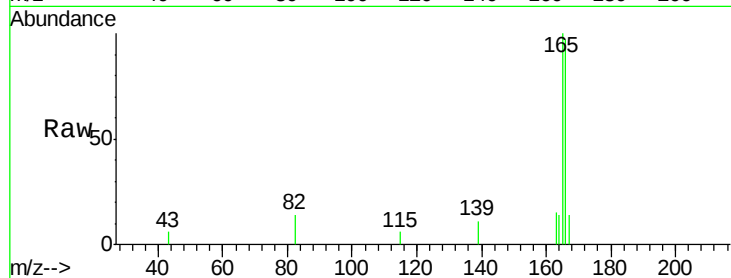




#57
 Fluorene
 Concen: Below Cal
 RT: 10.41 min Scan# 772
 Delta R.T. -0.02 min
 Lab File: BF087841.D
 Acq: 9 Jun 2016 8:42

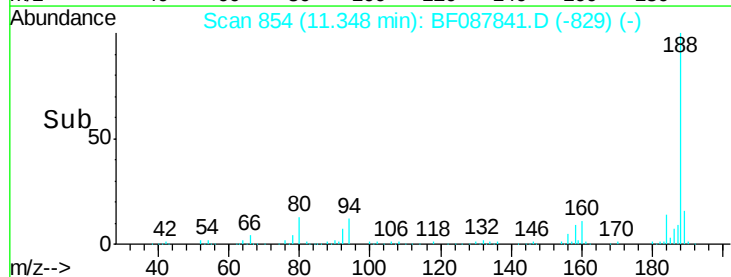
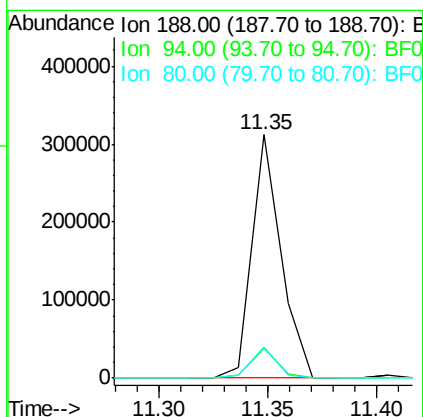
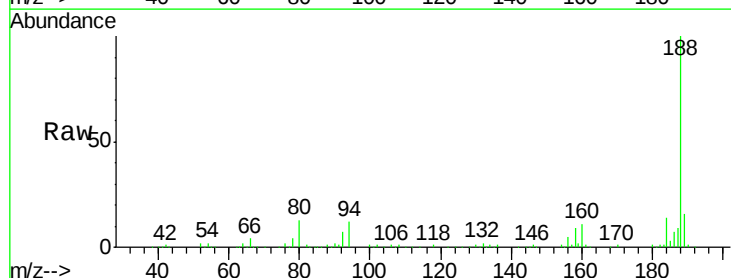
Instrument :
 BNA_F
 ClientSampleId :

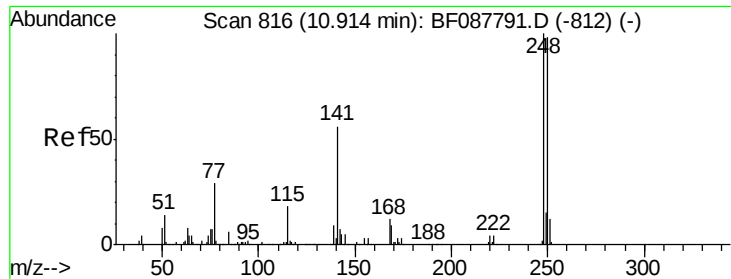
Tot Ion:166 Resp: 4948
 Ion Ratio Lower Upper
 166 100
 165 102.8 77.8 116.8
 167 14.3 11.2 16.8



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.35 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: BF087841.D
 Acq: 9 Jun 2016 8:42

Tgt Ion:188 Resp: 289743
 Ion Ratio Lower Upper
 188 100
 94 12.2 9.0 13.6
 80 12.9 10.0 15.0

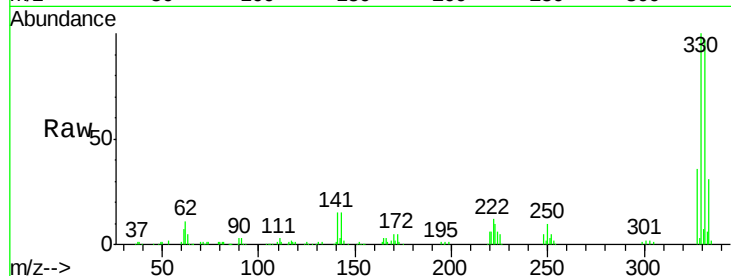




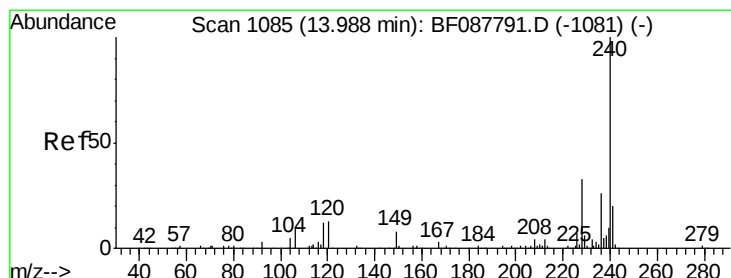
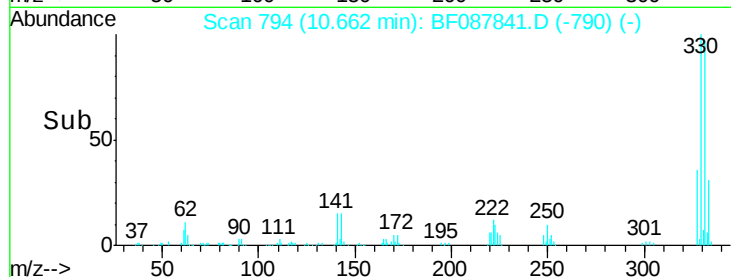
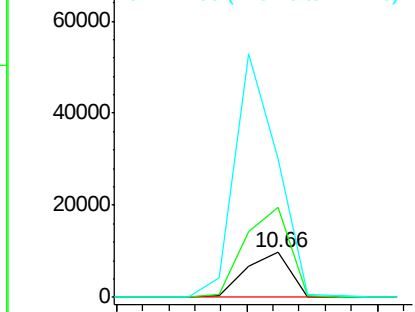
#66
4-Bromophenyl-phenylether
Concen: 3.71 ng
RT: 10.66 min Scan# 794
Delta R.T. -0.25 min
Lab File: BF087841.D
Acq: 9 Jun 2016 8:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 11523
Ion Ratio Lower Upper
248 100
250 199.6 77.1 115.7#
141 308.9 50.6 76.0#

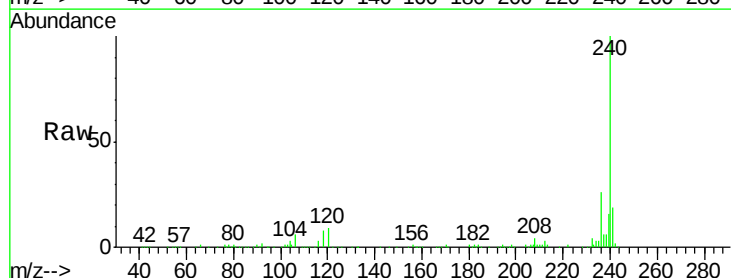


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

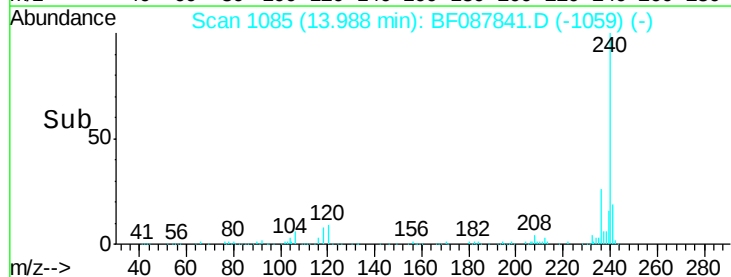
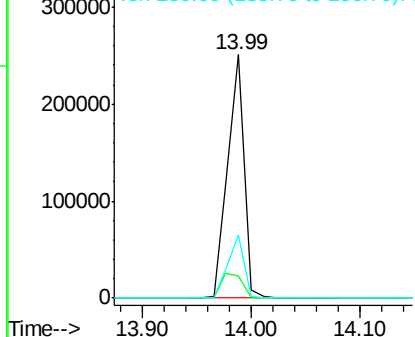


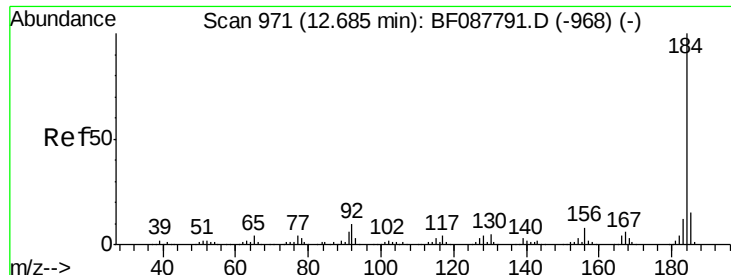
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1085
Delta R.T. -0.00 min
Lab File: BF087841.D
Acq: 9 Jun 2016 8:42

Tgt Ion:240 Resp: 261863
Ion Ratio Lower Upper
240 100
120 9.1 6.8 10.2
236 25.9 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

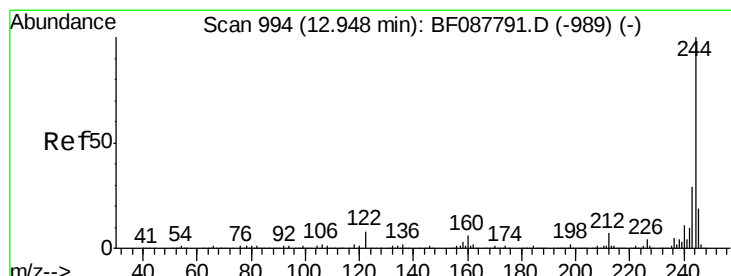
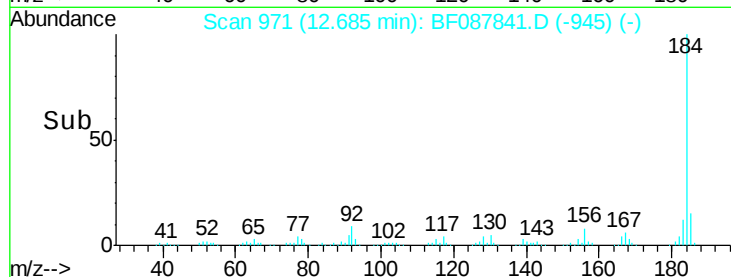
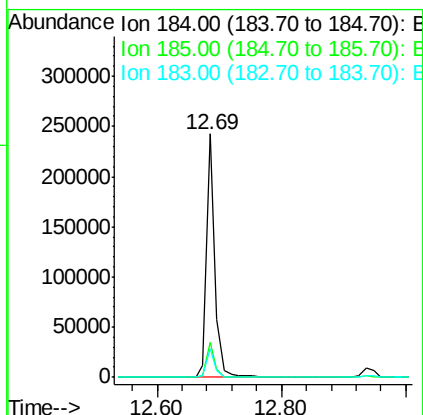
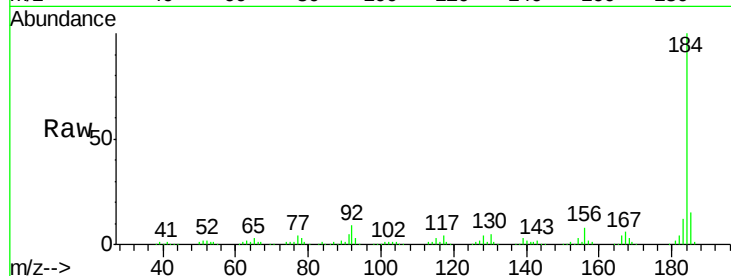




#76
Benzidine
Concen: 31.42 ng
RT: 12.69 min Scan# 971
Delta R.T. -0.00 min
Lab File: BF087841.D
Acq: 9 Jun 2016 8:42

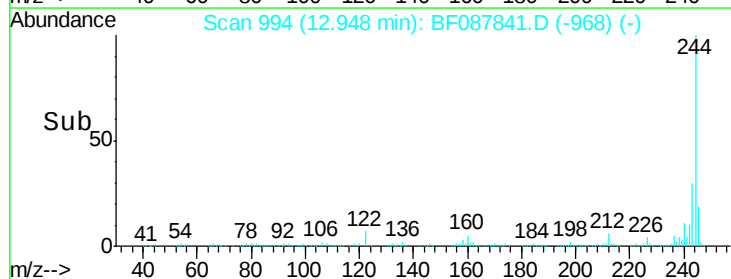
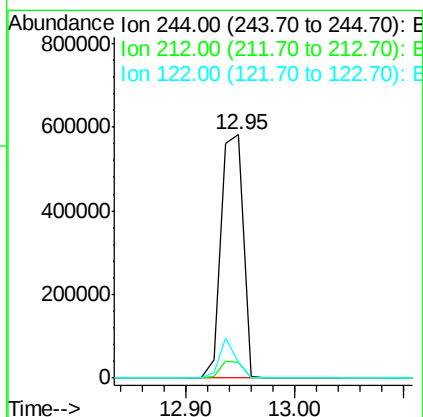
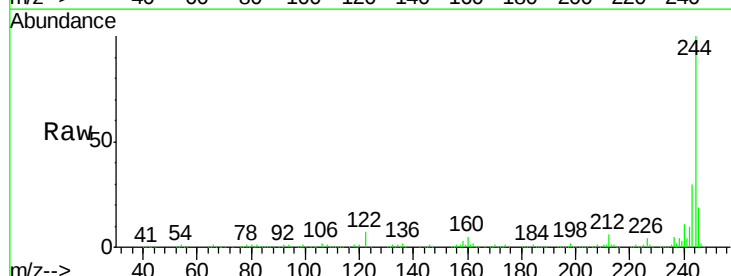
Instrument :
BNA_F
ClientSampleId :

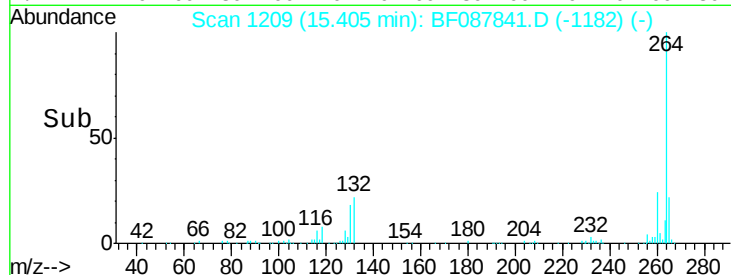
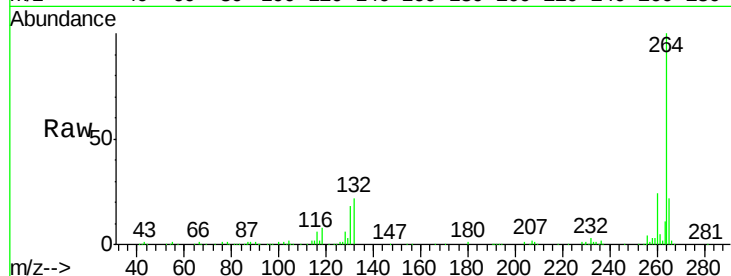
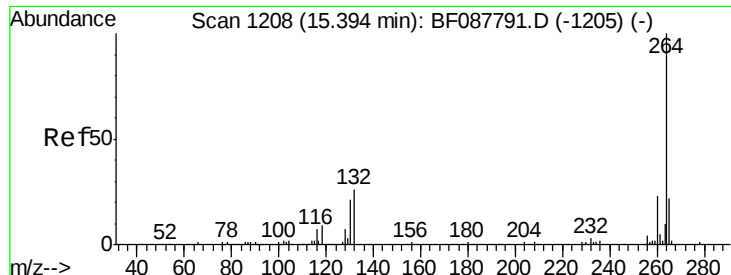
Tot Ion:184 Resp: 227784
Ion Ratio Lower Upper
184 100
185 14.5 12.5 18.7
183 11.7 9.3 13.9



#78
Terphenyl-d14
Concen: 71.27 ng
RT: 12.95 min Scan# 994
Delta R.T. -0.00 min
Lab File: BF087841.D
Acq: 9 Jun 2016 8:42

Tgt Ion:244 Resp: 820103
Ion Ratio Lower Upper
244 100
212 6.4 6.0 9.0
122 6.7 11.2 16.8#





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.41 min Scan# 1209
 Delta R.T. 0.01 min
 Lab File: BF087841.D
 Acq: 9 Jun 2016 8:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	194607
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.7	16.9	25.3

