

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060816\
 Data File : BF087835.D
 Acq On : 9 Jun 2016 5:45
 Operator : UM/SJ
 Sample : H3405-06
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-01-COMP-0.5-11.0

Quant Time: Jun 09 07:35:29 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

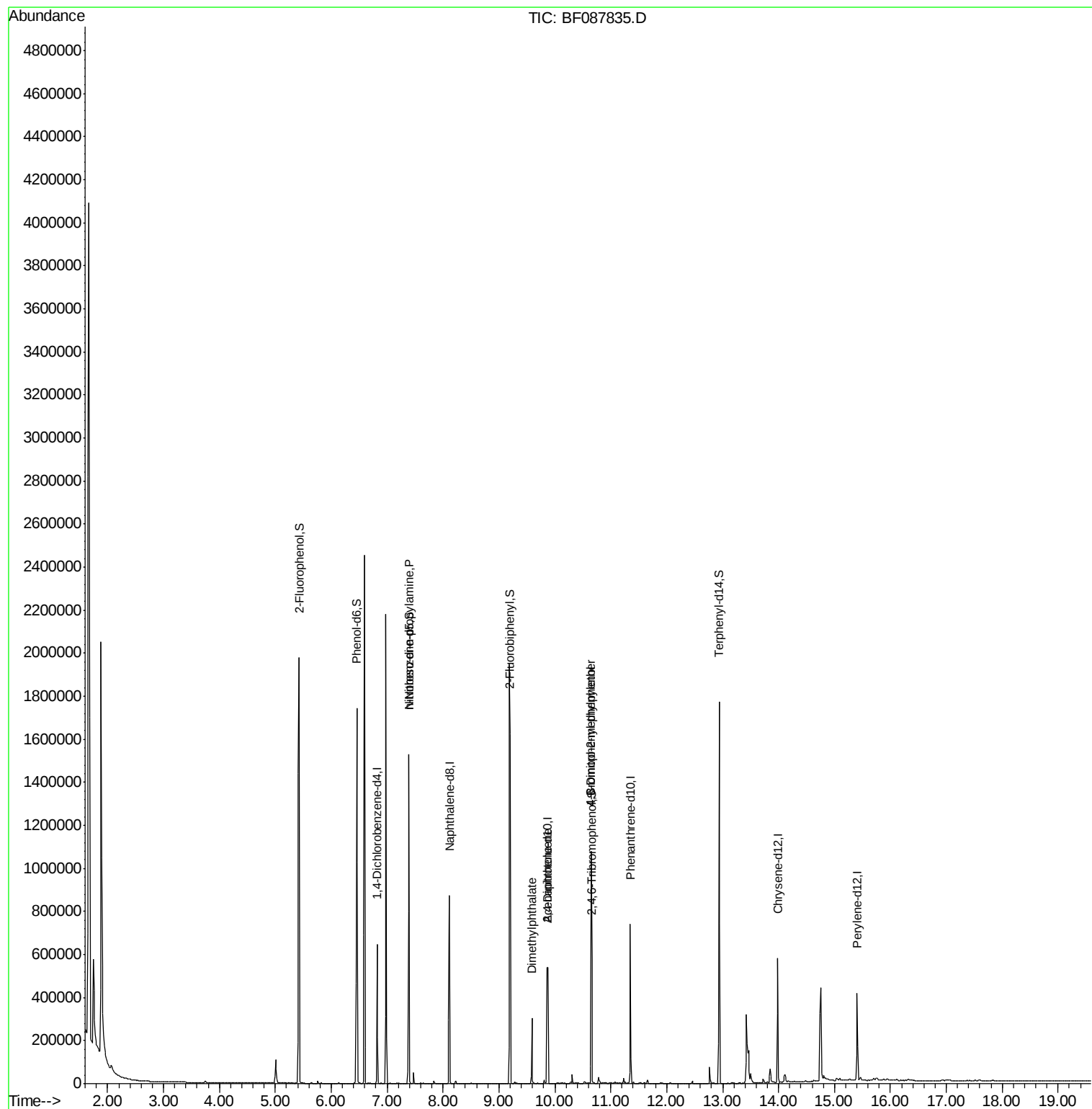
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	102035	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	420905	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	163373	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	251993	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	225589	20.00	ng	0.00
86) Perylene-d12	15.41	264	173445	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	763524	127.92	ng	0.00
7) Phenol-d6	6.46	99	867308	119.90	ng	-0.02
23) Nitrobenzene-d5	7.39	82	573435	79.56	ng	-0.02
41) 2,4,6-Tribromophenol	10.66	330	166612	96.58	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	930385	89.77	ng	-0.01
78) Terphenyl-d14	12.94	244	619245	62.46	ng	-0.01
Target Compounds						
10) Phenol	6.47	94	5518	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.39	70	74872	16.18 ng	#	70
45) 1,1'-Biphenyl	9.19	154	1674	Below Cal	#	1
49) Dimethylphthalate	9.59	163	118088	9.98 ng		99
56) 2,4-Dinitrotoluene	9.86	165	20845	5.98 ng	#	36
57) Fluorene	10.65	166	7117	Below Cal	#	85
64) 4,6-Dinitro-2-methylphenol	10.65	198	232	2.30 ng	#	1
66) 4-Bromophenyl-phenylether	10.65	248	9038	3.34 ng	#	1

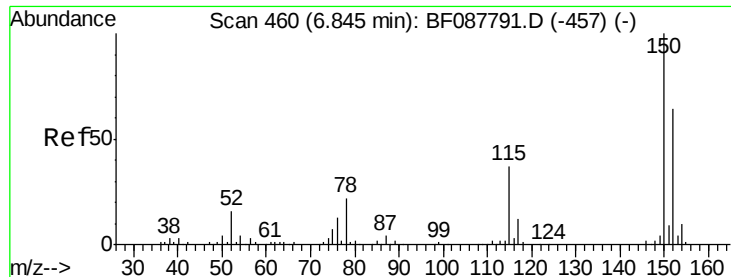
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 458

Delta R.T. -0.02 min

Lab File: BF087835.D

Acq: 9 Jun 2016 5:45

Instrument :

BNA_F

ClientSampleId :

SB-01-COMP-0.5-11.0

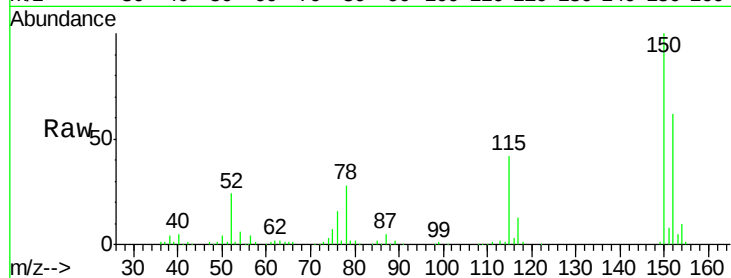
Tgt Ion:152 Resp: 102035

Ion Ratio Lower Upper

152 100

150 160.2 123.8 185.6

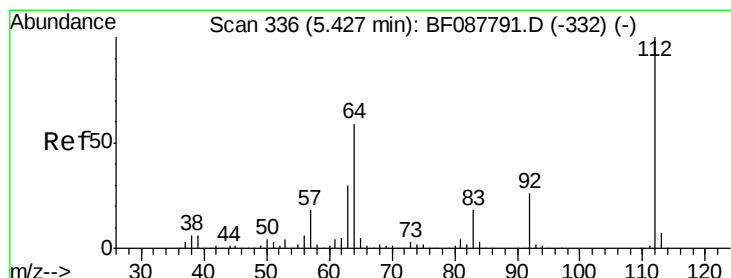
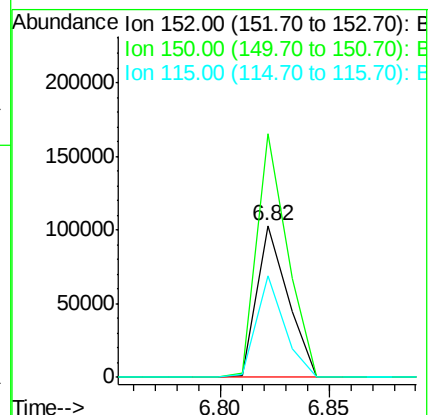
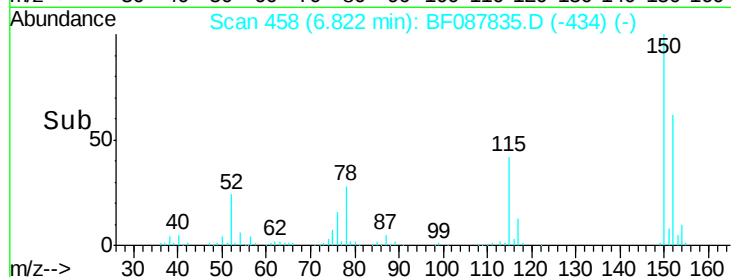
115 67.2 39.6 59.4#



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: 127.92 ng

RT: 5.43 min Scan# 336

Delta R.T. 0.00 min

Lab File: BF087835.D

Acq: 9 Jun 2016 5:45

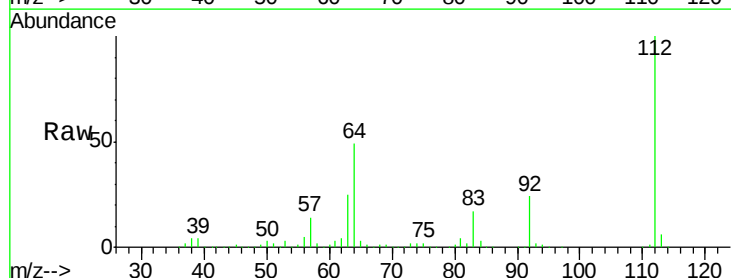
Tgt Ion:112 Resp: 763524

Ion Ratio Lower Upper

112 100

64 48.7 42.2 63.2

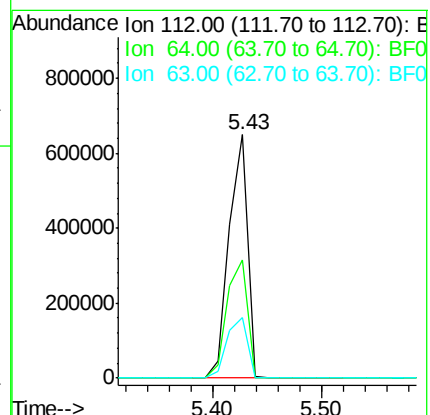
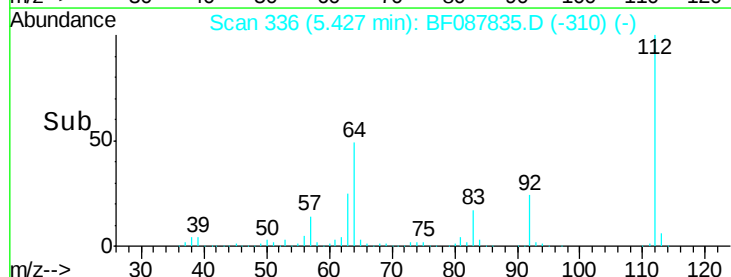
63 24.8 21.8 32.8

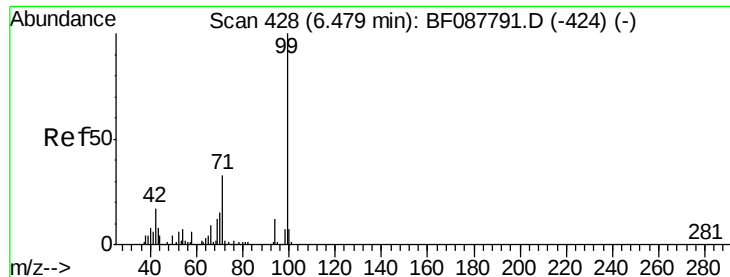


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 119.90 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087835.D

Acq: 9 Jun 2016 5:45

Instrument :

BNA_F

ClientSampleId :

SB-01-COMP-0.5-11.0

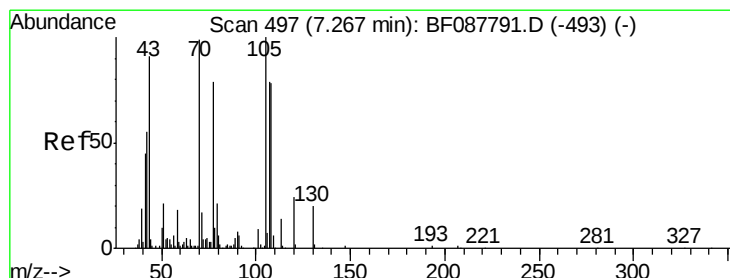
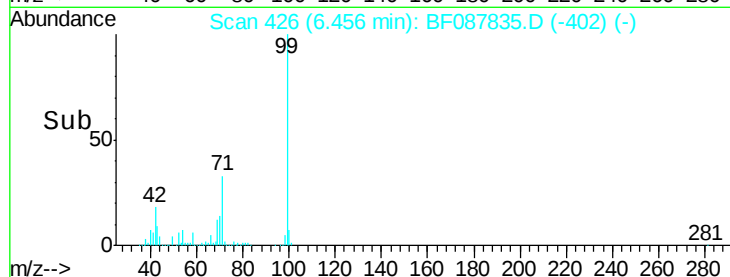
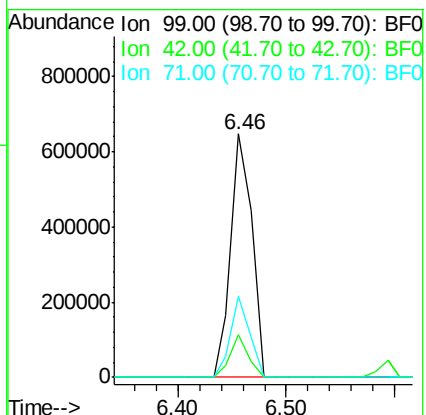
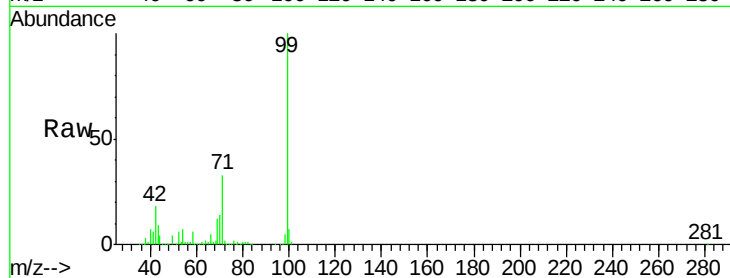
Tgt Ion: 99 Resp: 867308

Ion Ratio Lower Upper

99 100

42 17.5 12.2 18.2

71 33.1 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.18 ng

RT: 7.39 min Scan# 508

Delta R.T. 0.13 min

Lab File: BF087835.D

Acq: 9 Jun 2016 5:45

Tgt Ion: 70 Resp: 74872

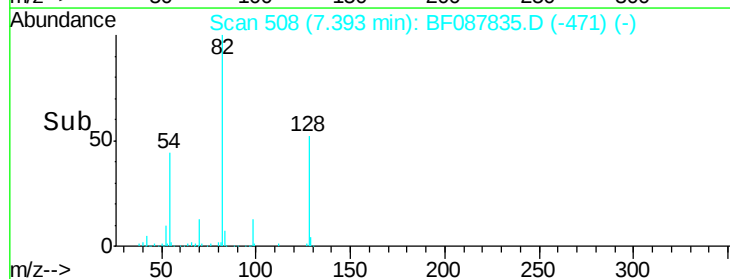
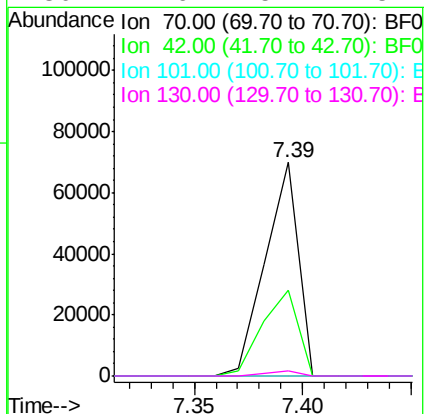
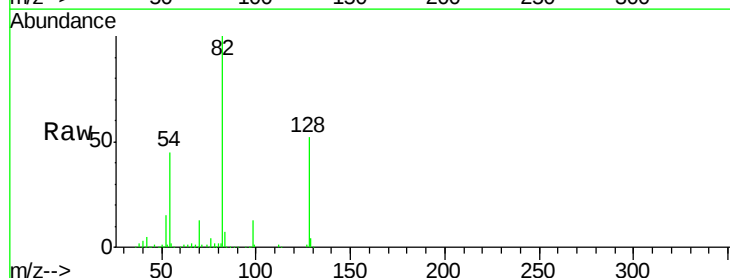
Ion Ratio Lower Upper

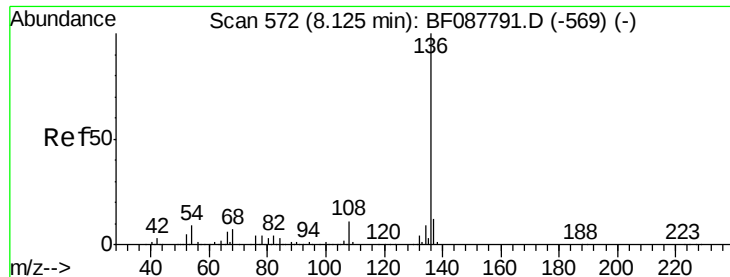
70 100

42 40.3 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: 8.11 min Scan# 571

Delta R.T. -0.01 min

Lab File: BF087835.D

Acq: 9 Jun 2016 5:45

Instrument :

BNA_F

ClientSampleId :

SB-01-COMP-0.5-11.0

Tgt Ion:136 Resp: 420905

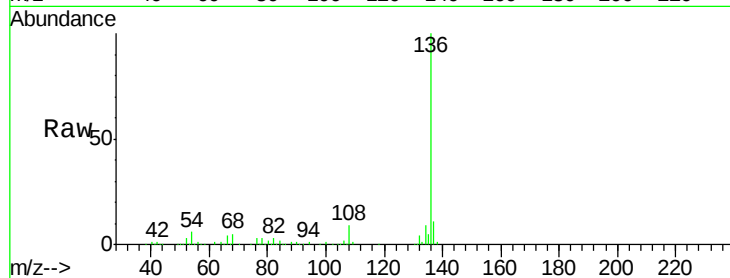
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 5.7 6.6 10.0#

68 4.8 5.1 7.7#

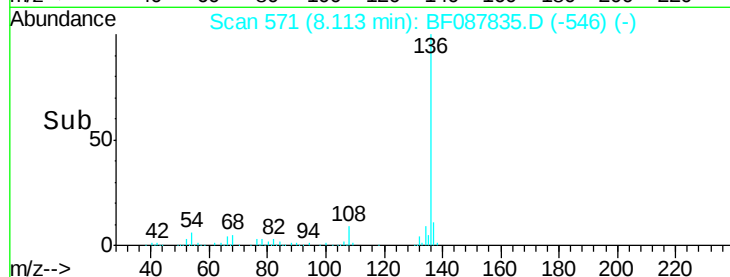


Abundance Ion 136.00 (135.70 to 136.70): E

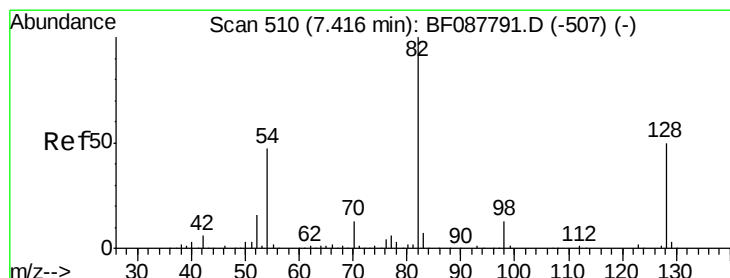
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time--> 8.00 8.10 8.20



#23

Nitrobenzene-d5

Concen: 79.56 ng

RT: 7.39 min Scan# 508

Delta R.T. -0.02 min

Lab File: BF087835.D

Acq: 9 Jun 2016 5:45

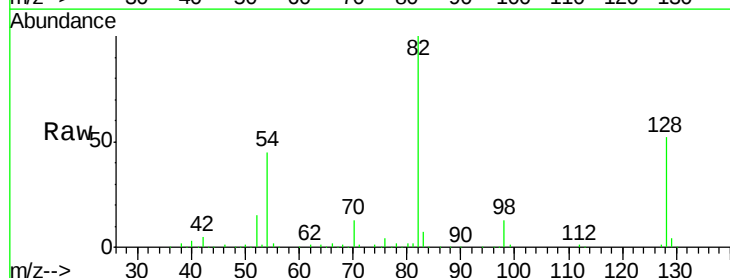
Tgt Ion: 82 Resp: 573435

Ion Ratio Lower Upper

82 100

128 52.0 35.9 53.9

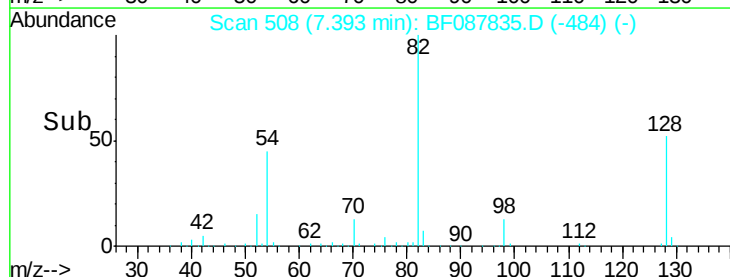
54 45.3 40.9 61.3



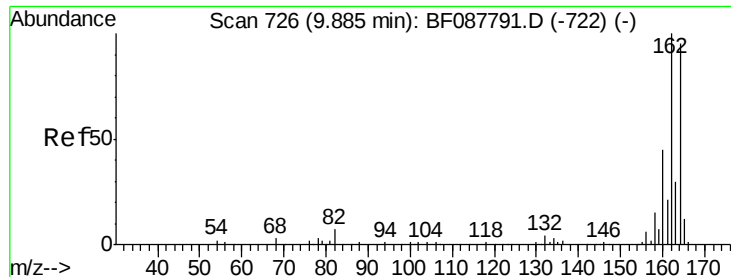
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time--> 7.35 7.40 7.45



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF087835.D

Acq: 9 Jun 2016 5:45

Instrument :

BNA_F

ClientSampleId :

SB-01-COMP-0.5-11.0

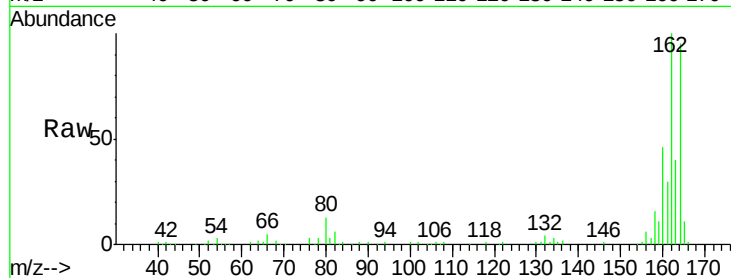
Tgt Ion:164 Resp: 163373

Ion Ratio Lower Upper

164 100

162 105.6 85.4 128.2

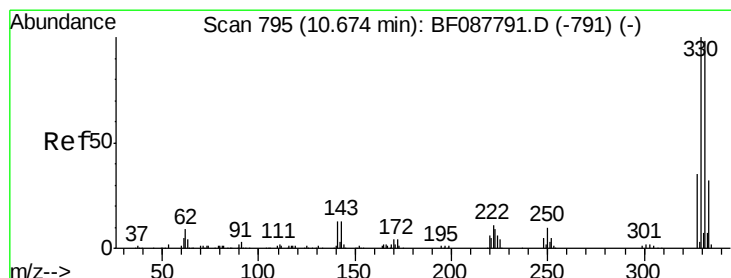
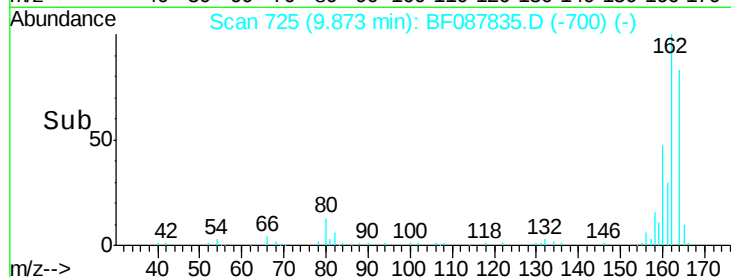
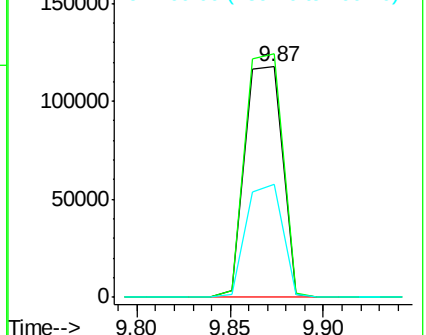
160 48.8 39.5 59.3



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: 96.58 ng

RT: 10.66 min Scan# 794

Delta R.T. -0.01 min

Lab File: BF087835.D

Acq: 9 Jun 2016 5:45

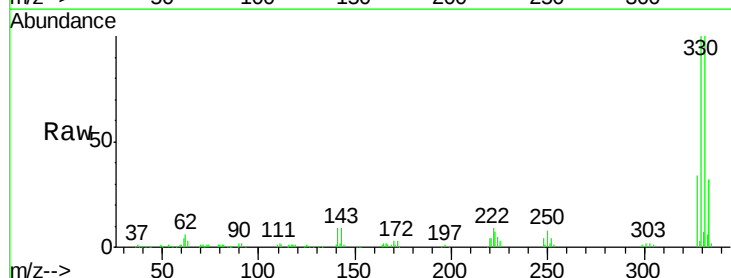
Tgt Ion:330 Resp: 166612

Ion Ratio Lower Upper

330 100

332 97.7 0.0 0.0#

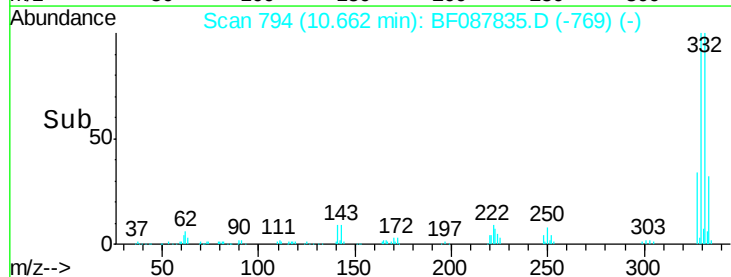
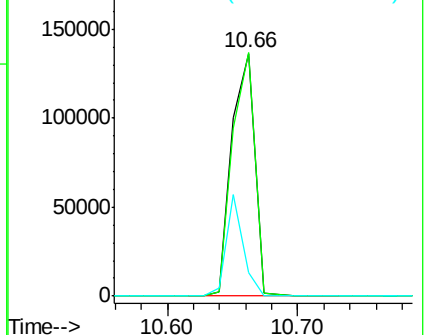
141 30.9 0.0 0.0#

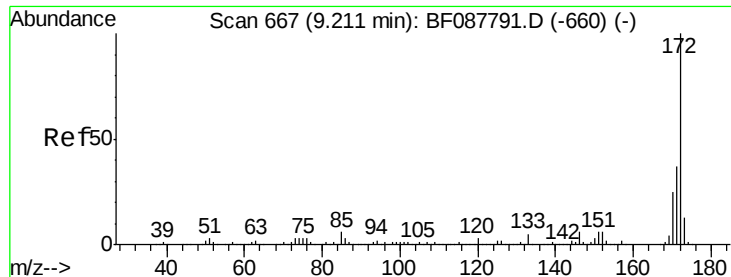


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

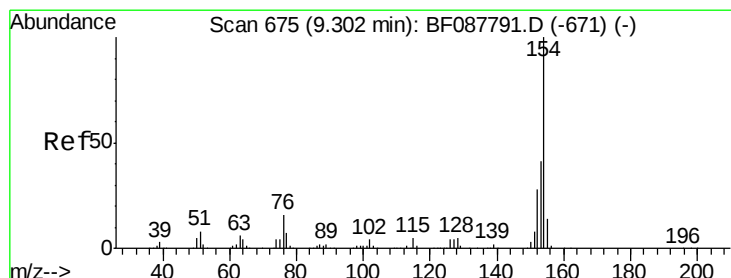
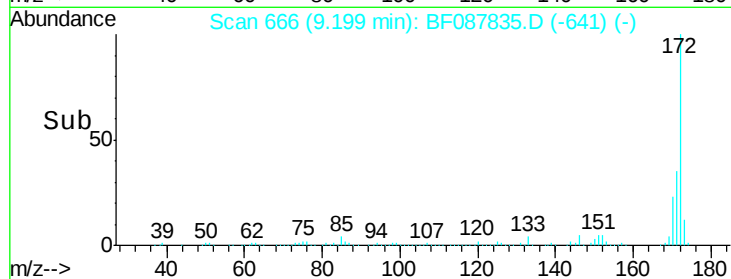
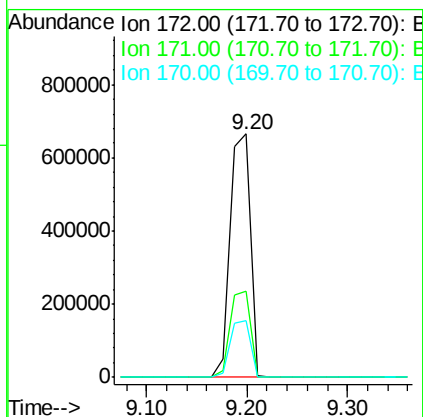
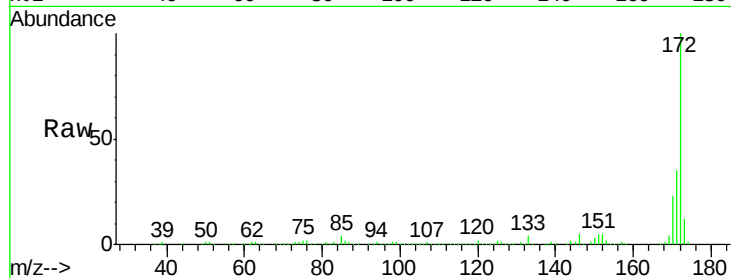




#44
 2-Fluorobiphenyl
 Concen: 89.77 ng
 RT: 9.20 min Scan# 666
 Delta R.T. -0.01 min
 Lab File: BF087835.D
 Acq: 9 Jun 2016 5:45

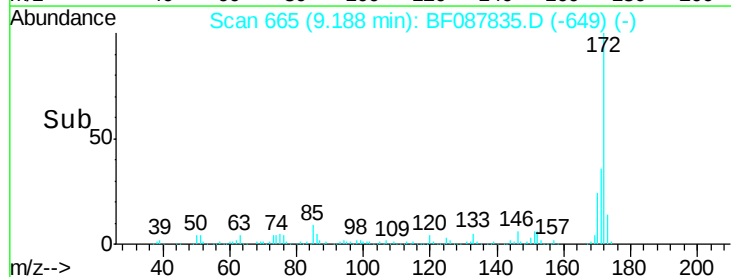
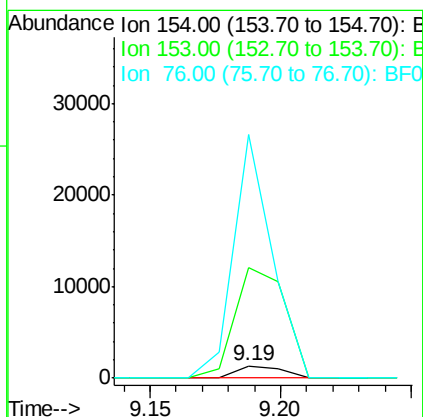
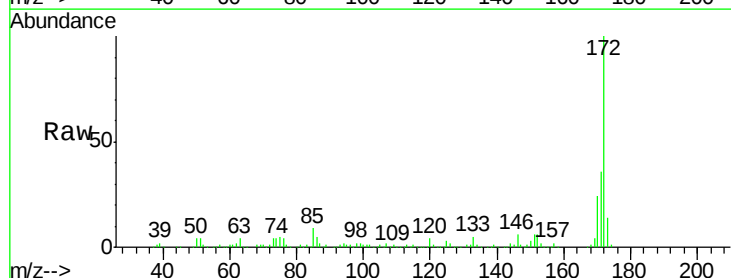
Instrument :
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 SB-01-COMP-0.5-11.0

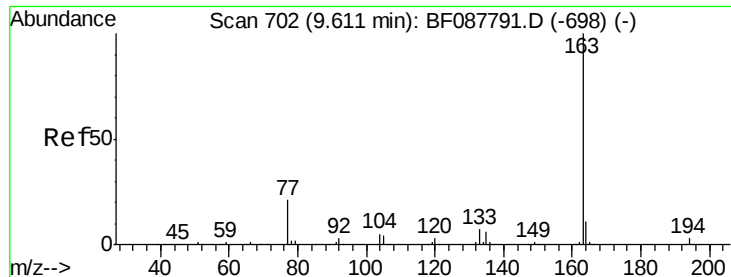
Tgt Ion:172 Resp: 930385
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.6 43.0
 170 23.4 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.19 min Scan# 665
 Delta R.T. -0.11 min
 Lab File: BF087835.D
 Acq: 9 Jun 2016 5:45

Tgt Ion:154 Resp: 1674
 Ion Ratio Lower Upper
 154 100
 153 887.5 20.6 60.6#
 76 1949.3 0.0 35.1#

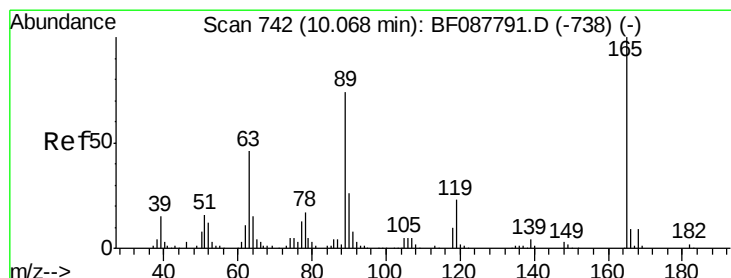
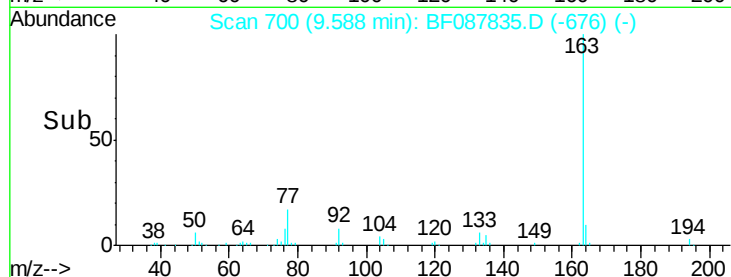
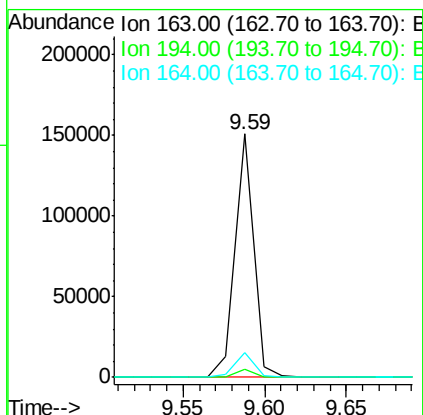
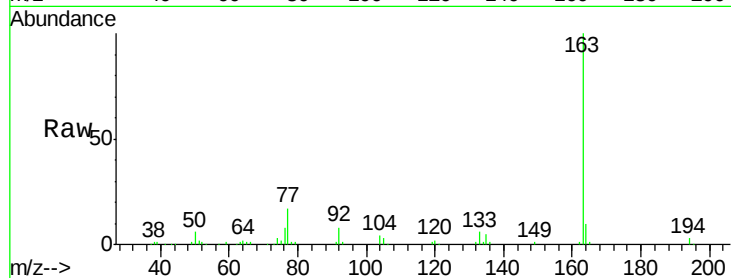




#49
Dimethylphthalate
Concen: 9.98 ng
RT: 9.59 min Scan# 700
Delta R.T. -0.02 min
Lab File: BF087835.D
Acq: 9 Jun 2016 5:45

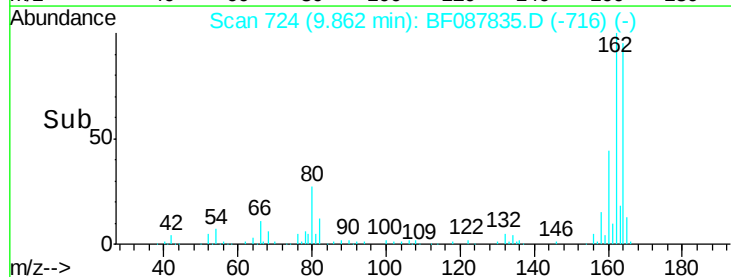
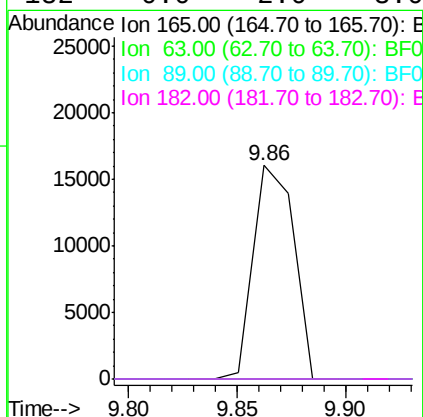
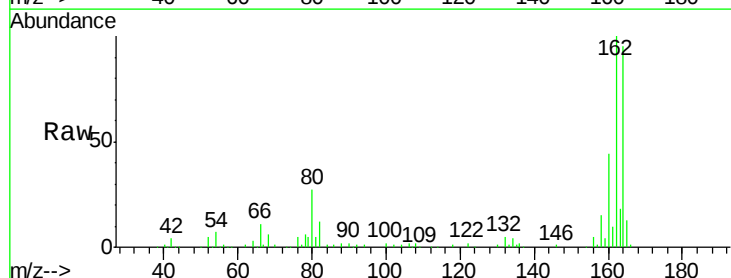
Instrument :
BNA_F
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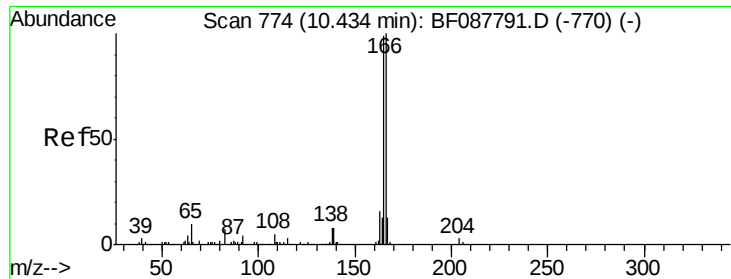
Tgt Ion:163 Resp: 118088
Ion Ratio Lower Upper
163 100
194 3.5 2.8 4.2
164 9.9 8.3 12.5



#56
2,4-Dinitrotoluene
Concen: 5.98 ng
RT: 9.86 min Scan# 724
Delta R.T. -0.21 min
Lab File: BF087835.D
Acq: 9 Jun 2016 5:45

Tgt Ion:165 Resp: 20845
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#





#57

Fluorene

Concen: Below Cal

RT: 10.65 min Scan# 793

Delta R.T. 0.22 min

Lab File: BF087835.D

Acq: 9 Jun 2016 5:45

Instrument :

BNA_F

ClientSampleId :

SB-01-COMP-0.5-11.0

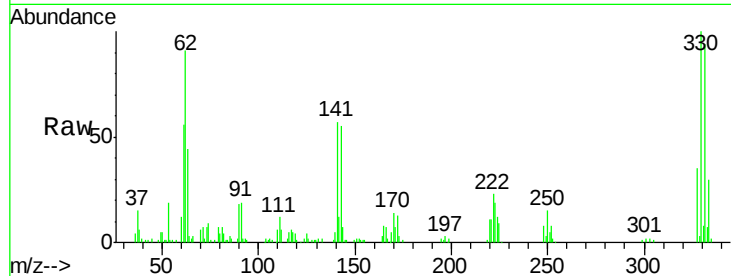
Tgt Ion:166 Resp: 7117

Ion Ratio Lower Upper

166 100

165 107.2 77.8 116.8

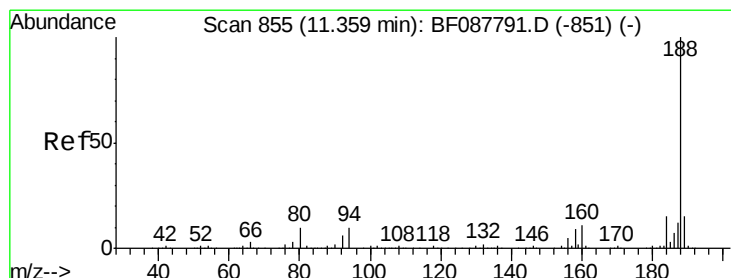
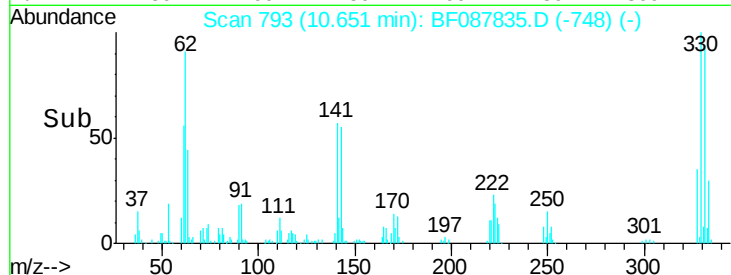
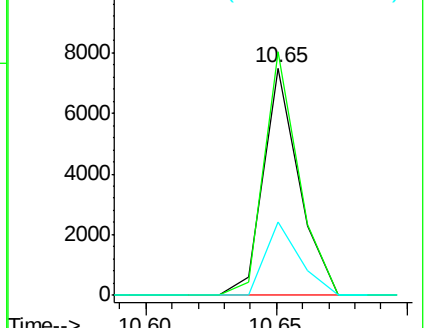
167 32.6 11.2 16.8#



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: 11.35 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF087835.D

Acq: 9 Jun 2016 5:45

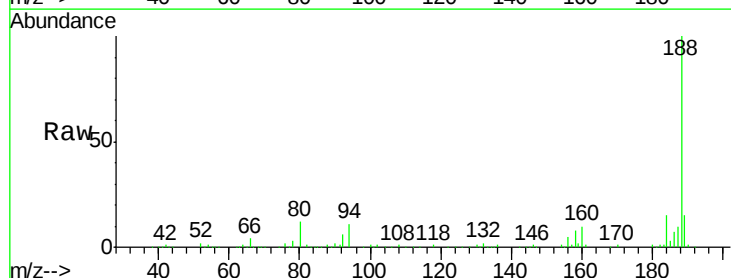
Tgt Ion:188 Resp: 251993

Ion Ratio Lower Upper

188 100

94 10.9 9.0 13.6

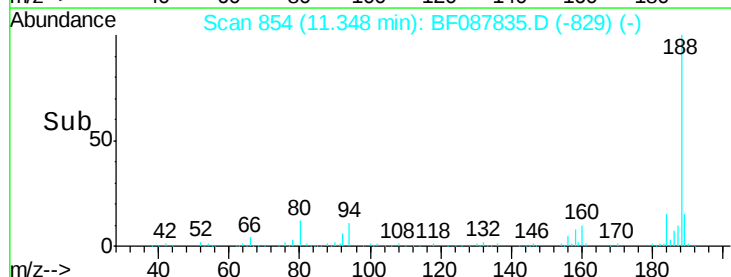
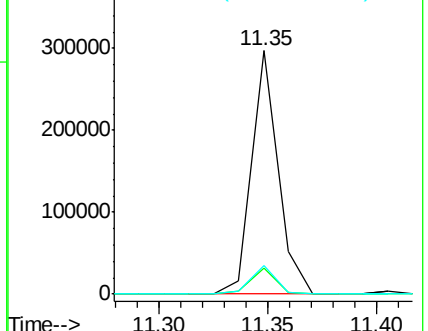
80 11.7 10.0 15.0

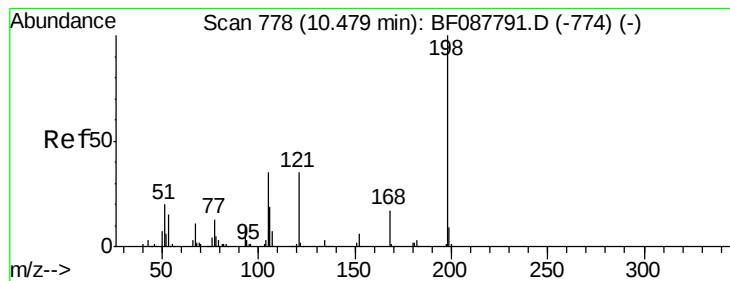


Abundance Ion 188.00 (187.70 to 188.70): E

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: 10.65 min Scan# 793

Delta R.T. 0.17 min

Lab File: BF087835.D

Acq: 9 Jun 2016 5:45

Instrument :

BNA_F

ClientSampleId :

SB-01-COMP-0.5-11.0

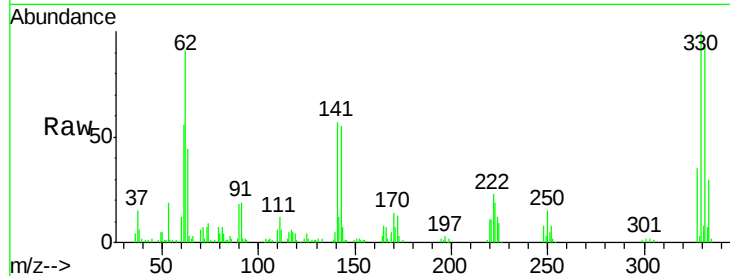
Tgt Ion:198 Resp: 232

Ion Ratio Lower Upper

198 100

51 221.0 39.6 79.6#

105 237.9 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

1000

800

600

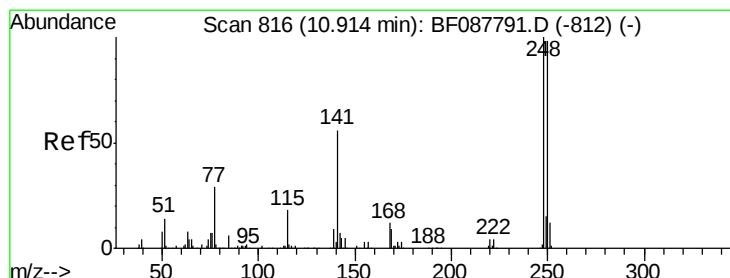
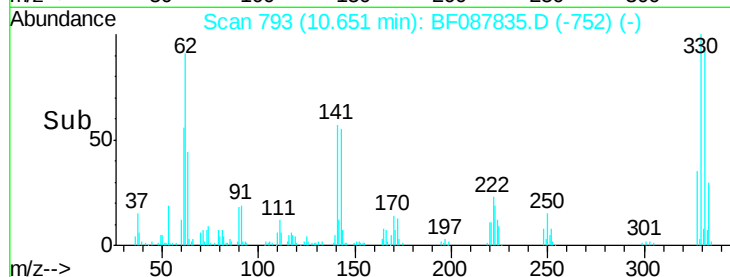
400

200

0

10.65

Time-->



#66

4-Bromophenyl-phenylether

Concen: 3.34 ng

RT: 10.65 min Scan# 793

Delta R.T. -0.26 min

Lab File: BF087835.D

Acq: 9 Jun 2016 5:45

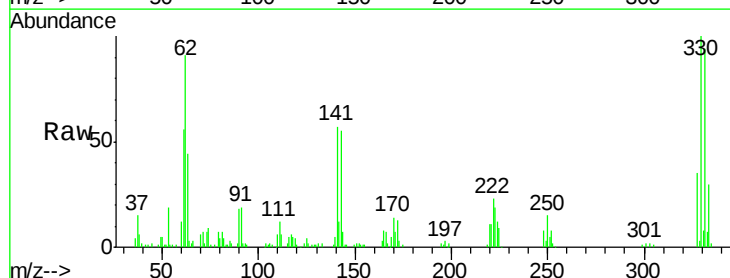
Tgt Ion:248 Resp: 9038

Ion Ratio Lower Upper

248 100

250 198.4 77.1 115.7#

141 737.5 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

80000

60000

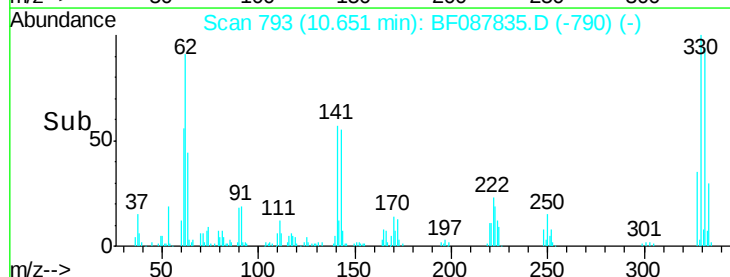
40000

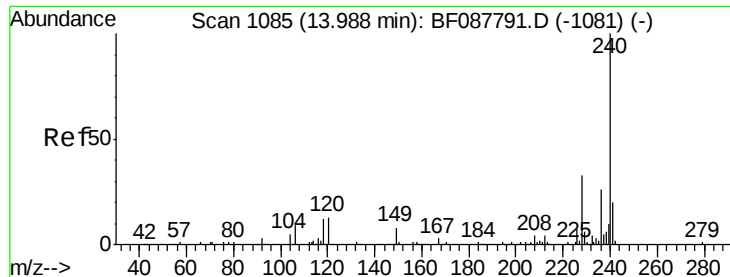
20000

0

10.65

Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1085

Delta R.T. 0.00 min

Lab File: BF087835.D

Acq: 9 Jun 2016 5:45

Instrument :

BNA_F

ClientSampleId :

SB-01-COMP-0.5-11.0

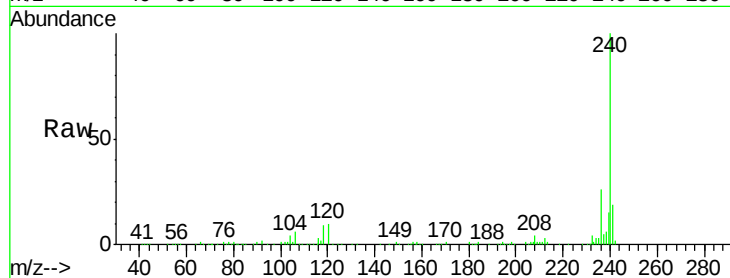
Tgt Ion:240 Resp: 225589

Ion Ratio Lower Upper

240 100

120 9.8 6.8 10.2

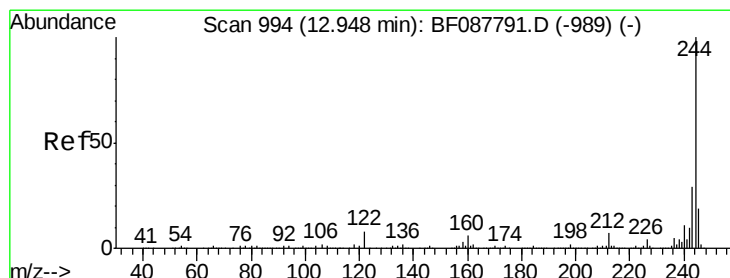
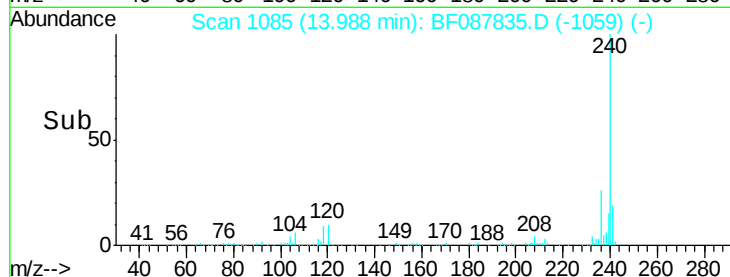
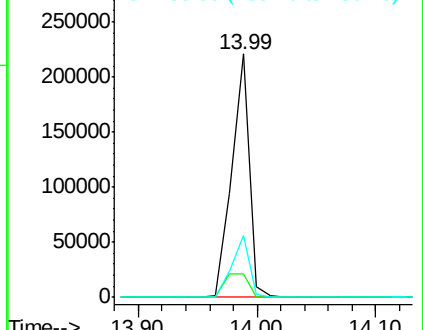
236 25.6 20.2 30.2



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: 62.46 ng

RT: 12.94 min Scan# 993

Delta R.T. -0.01 min

Lab File: BF087835.D

Acq: 9 Jun 2016 5:45

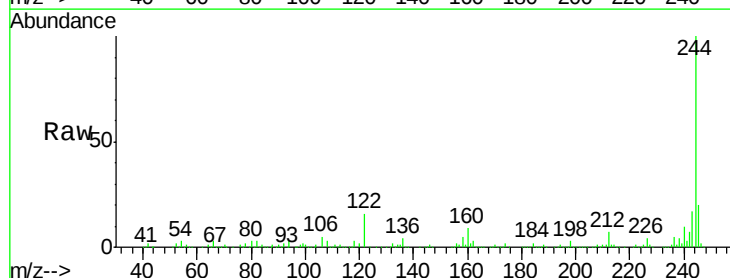
Tgt Ion:244 Resp: 619245

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

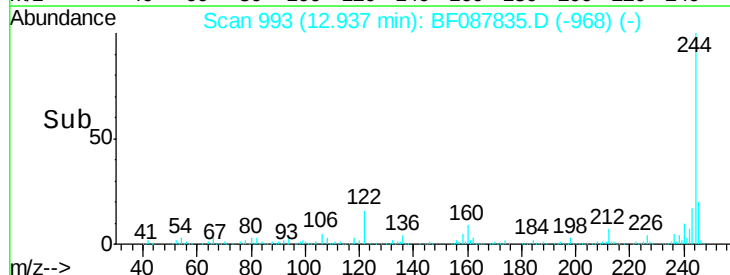
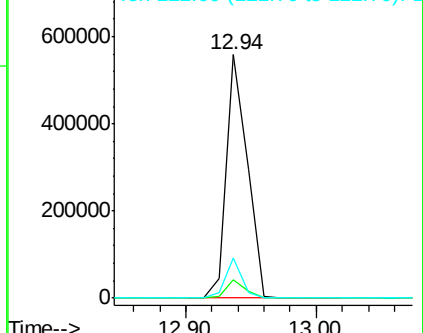
122 16.3 11.2 16.8

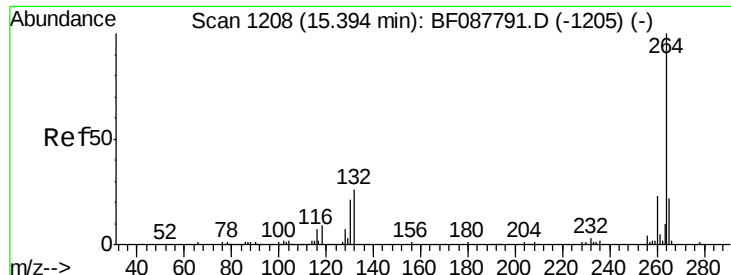


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

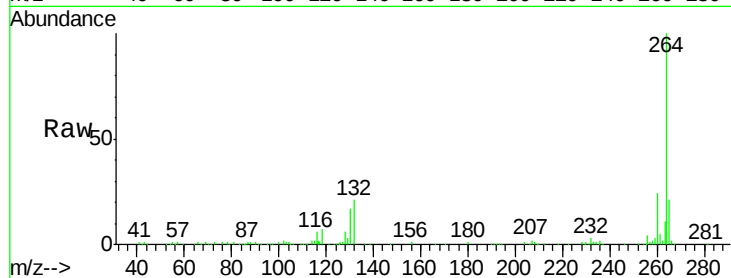




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1209
Delta R.T. 0.01 min
Lab File: BF087835.D
Acq: 9 Jun 2016 5:45

Instrument :
BNA_F
ClientSampleId :
SB-01-COMP-0.5-11.0

Tgt Ion: 264 Resp: 173445
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 21.5 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

