

Data Path : Z:\HPCHEM1\BNA F\Data\BF060816\
 Data File : BF087842.D
 Acq On : 9 Jun 2016 9:10
 Operator : UM/SJ
 Sample : H3446-02
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 09 14:33:55 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	111201	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	458518	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	184950	20.00	ng	-0.02
63) Phenanthrene-d10	11.35	188	296899	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	264535	20.00	ng	0.00
86) Perylene-d12	15.41	264	187182	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	760127	116.86	ng	0.01
7) Phenol-d6	6.47	99	898361	113.96	ng	-0.01
23) Nitrobenzene-d5	7.39	82	647643	82.48	ng	-0.02
41) 2,4,6-Tribromophenol	10.66	330	215699	110.45	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	1130152	96.76	ng	-0.01
78) Terphenyl-d14	12.95	244	839608	72.22	ng	0.00

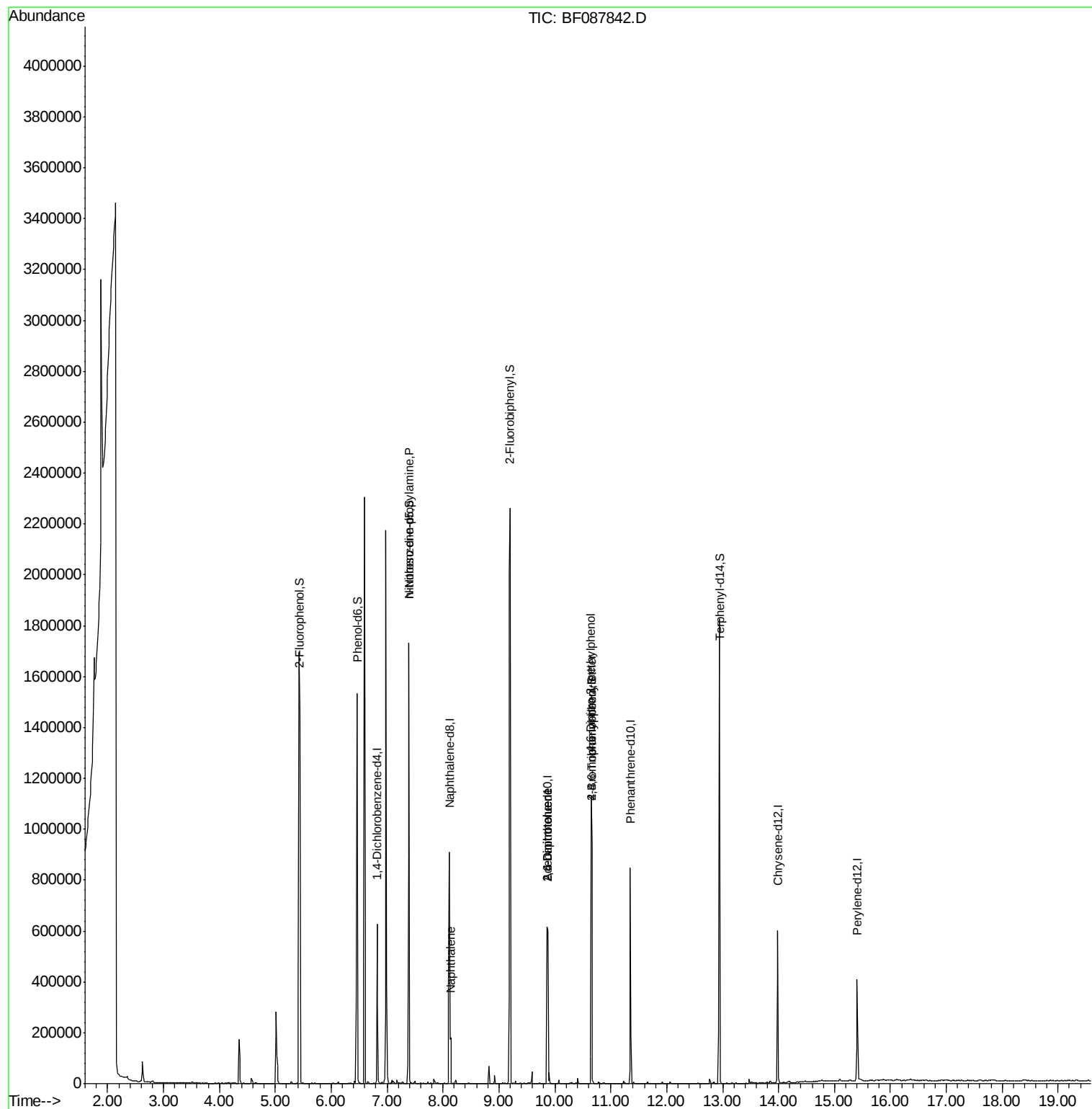
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.47	94	549	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.39	70	86430	17.14	ng	71
31) Naphthalene	8.14	128	121144	5.34	ng	98
45) 1,1'-Biphenyl	9.29	154	3526	Below Cal		94
50) 2,6-Dinitrotoluene	9.86	165	23895	7.79	ng	37
56) 2,4-Dinitrotoluene	9.86	165	23896	6.06	ng	36
57) Fluorene	10.41	166	6155	Below Cal		100
64) 4,6-Dinitro-2-methylphenol	10.65	198	273	2.30	ng	1
66) 4-Bromophenyl-phenylether	10.66	248	12093	3.80	ng	1

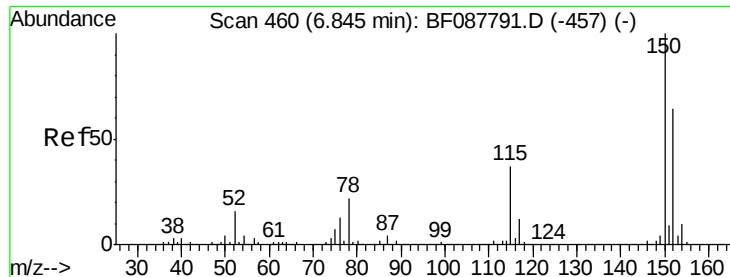
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF087842.D

Acq: 9 Jun 2016 9:10

Instrument :

BNA_F

ClientSampleId :

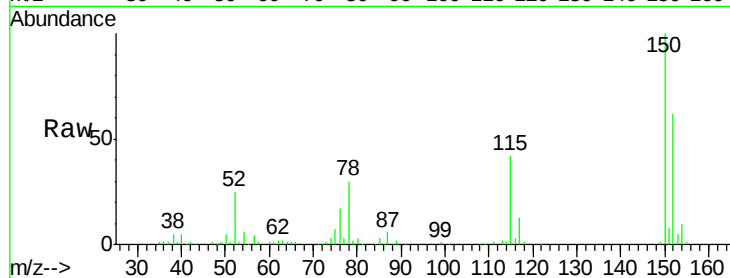
Tot Ion:152 Resp: 111201

Ion Ratio Lower Upper

152 100

150 162.0 123.8 185.6

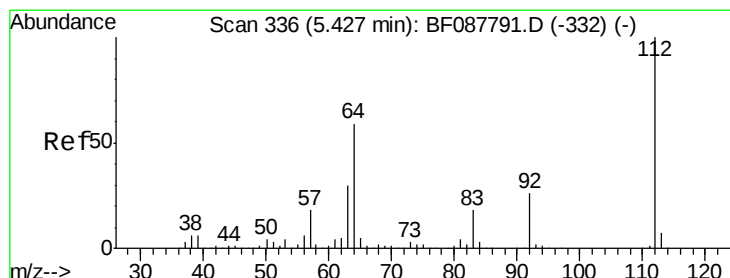
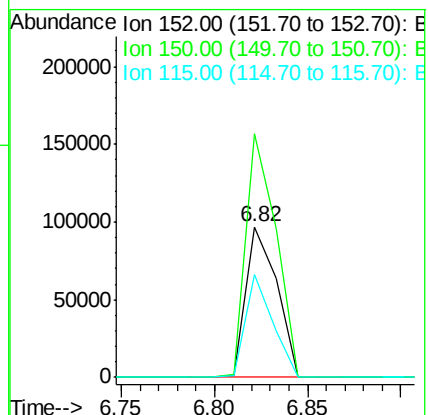
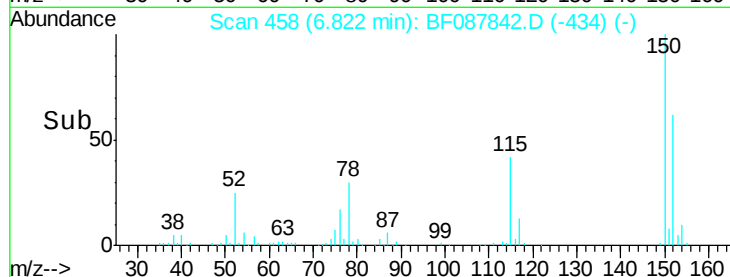
115 68.8 39.6 59.4#



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: 116.86 ng

RT: 5.44 min Scan# 337

Delta R.T. 0.01 min

Lab File: BF087842.D

Acq: 9 Jun 2016 9:10

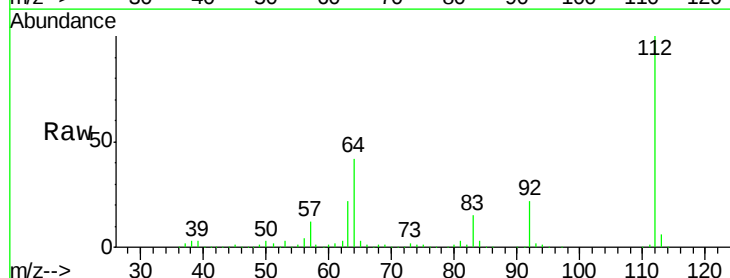
Tgt Ion:112 Resp: 760127

Ion Ratio Lower Upper

112 100

64 42.4 42.2 63.2

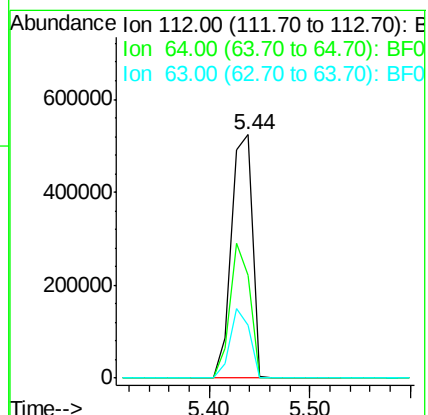
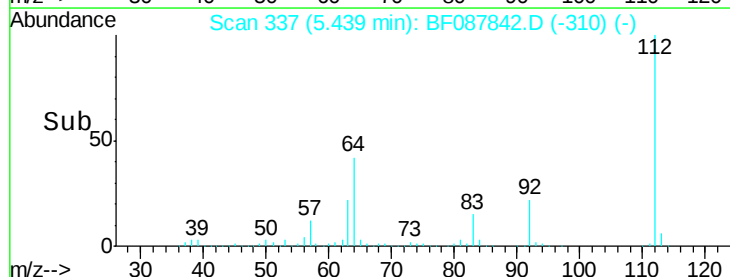
63 21.6 21.8 32.8#

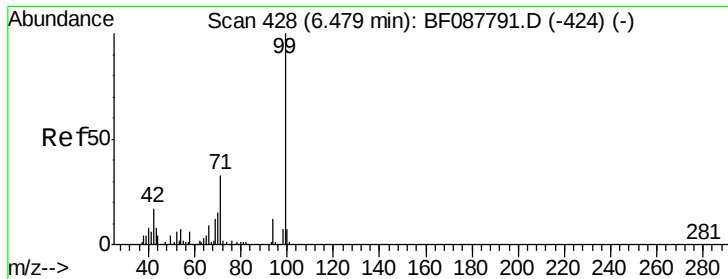


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 113.96 ng

RT: 6.47 min Scan# 427

Delta R.T. -0.01 min

Lab File: BF087842.D

Acq: 9 Jun 2016 9:10

Instrument :

BNA_F

ClientSampleId :

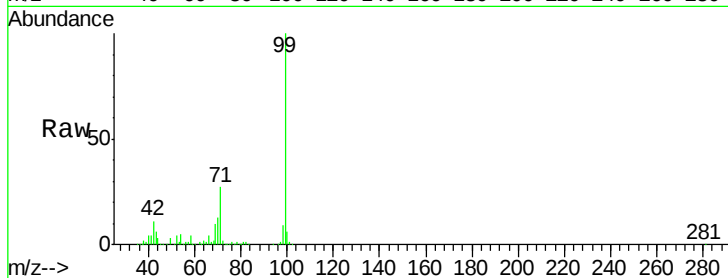
Tot Ion: 99 Resp: 898361

Ion Ratio Lower Upper

99 100

42 11.3 12.2 18.2#

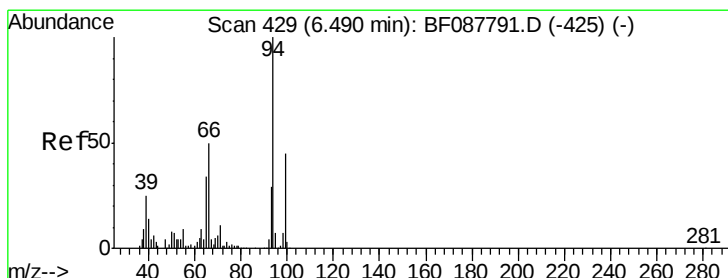
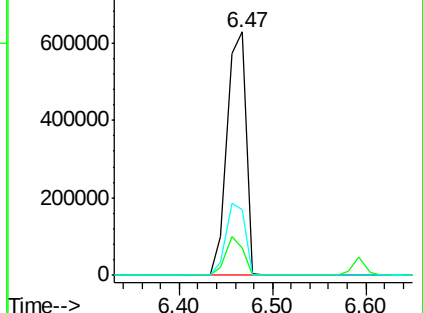
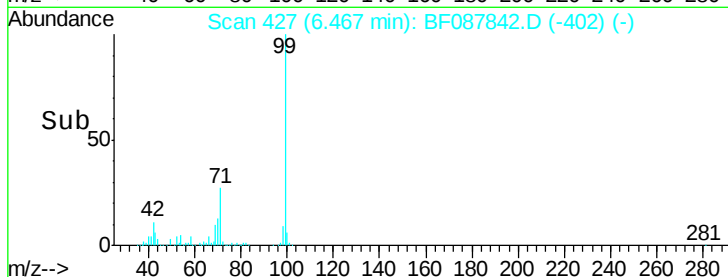
71 26.8 23.4 35.0



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



#10

Phenol

Concen: Below Cal

RT: 6.47 min Scan# 427

Delta R.T. -0.02 min

Lab File: BF087842.D

Acq: 9 Jun 2016 9:10

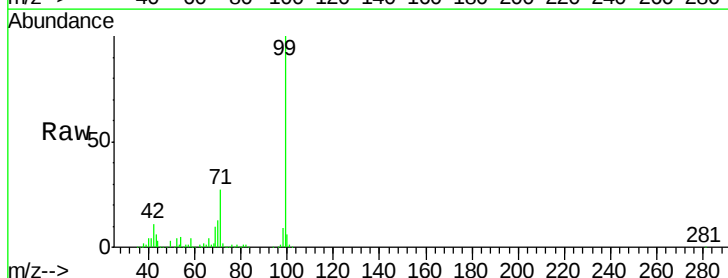
Tgt Ion: 94 Resp: 549

Ion Ratio Lower Upper

94 100

65 939.6 5.9 45.9#

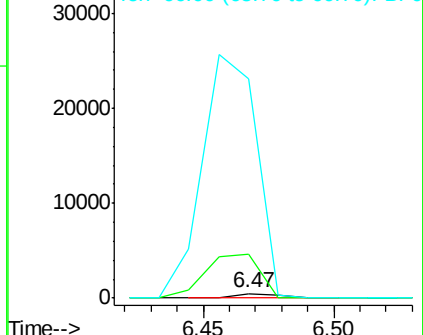
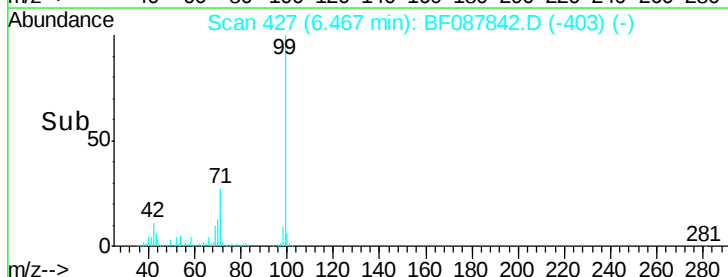
66 4681.5 14.0 54.0#

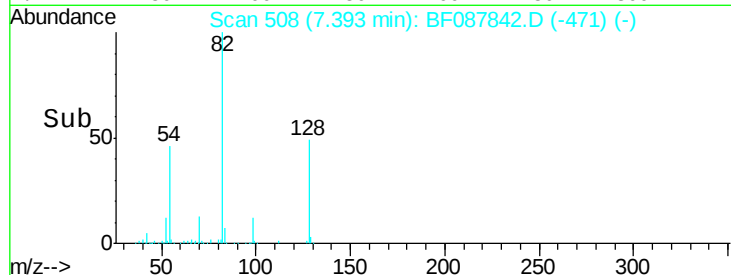
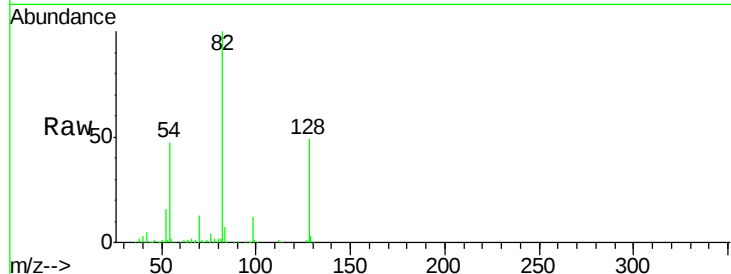


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

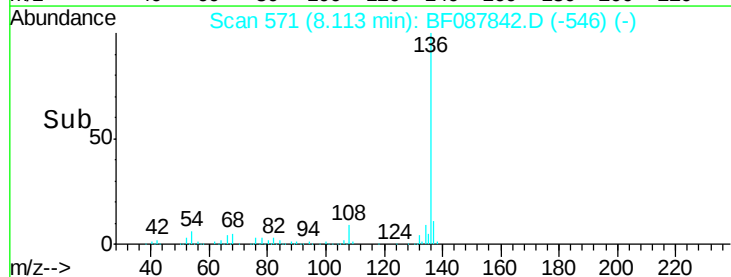
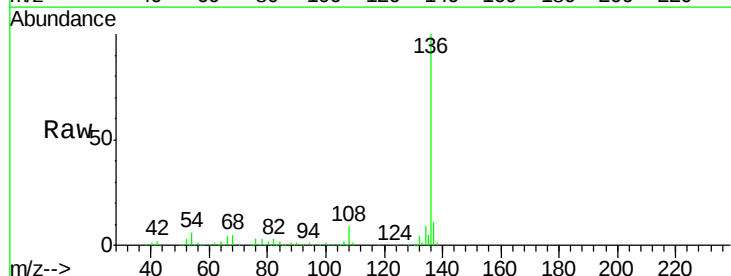
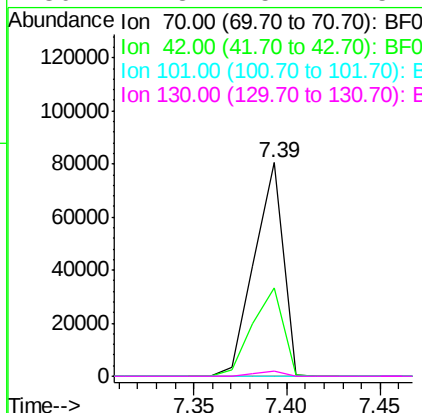




#19
n-Nitroso-di-n-propylamine
Concen: 17.14 ng
RT: 7.39 min Scan# 508
Delta R.T. 0.13 min
Lab File: BF087842.D
Acq: 9 Jun 2016 9:10

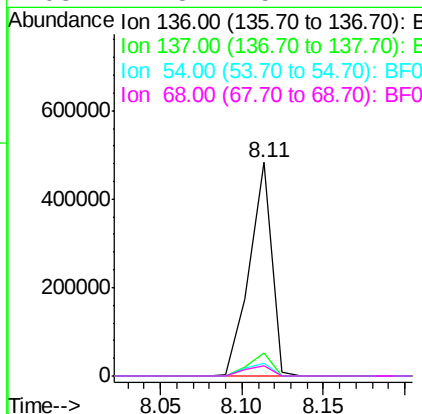
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 86430
Ion Ratio Lower Upper
70 100
42 41.2 49.6 74.4#
101 0.0 7.1 10.7#
130 2.3 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: BF087842.D
Acq: 9 Jun 2016 9:10

Tgt Ion:136 Resp: 458518
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 5.9 6.6 10.0#
68 4.8 5.1 7.7#

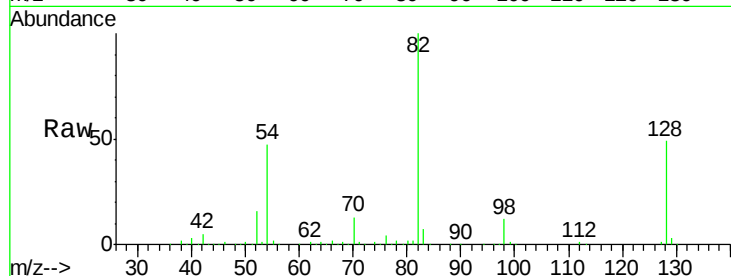




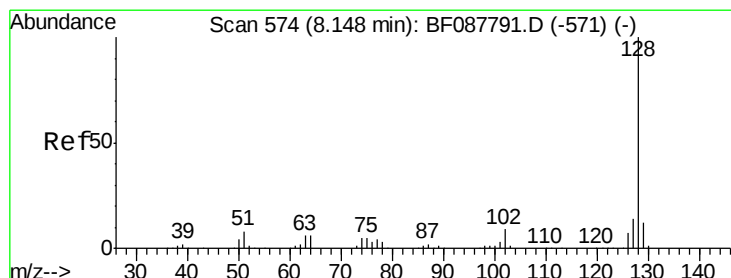
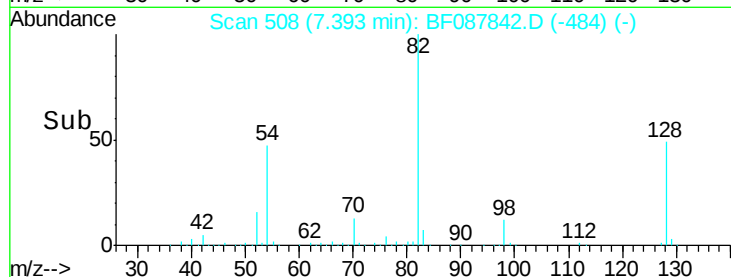
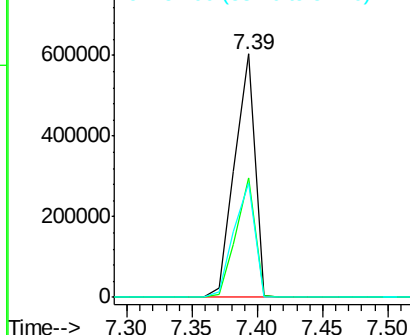
#23
 Nitrobenzene-d5
 Concen: 82.48 ng
 RT: 7.39 min Scan# 508
 Delta R.T. -0.02 min
 Lab File: BF087842.D
 Acq: 9 Jun 2016 9:10

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 647643
 Ion Ratio Lower Upper
 82 100
 128 49.2 35.9 53.9
 54 46.8 40.9 61.3

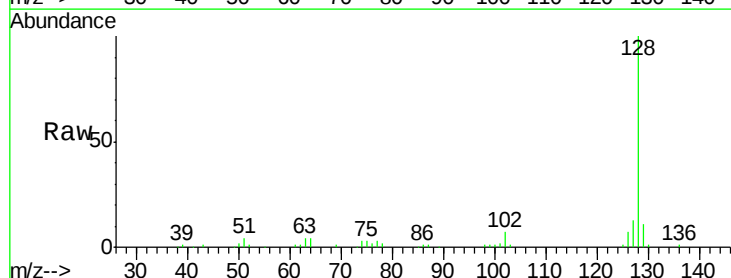


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

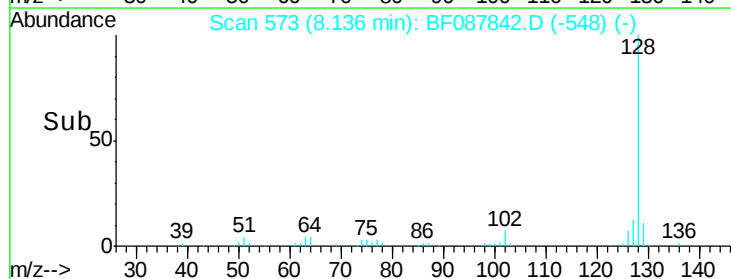
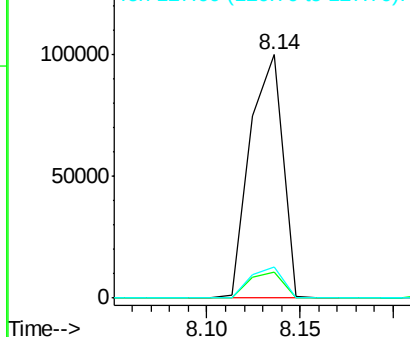


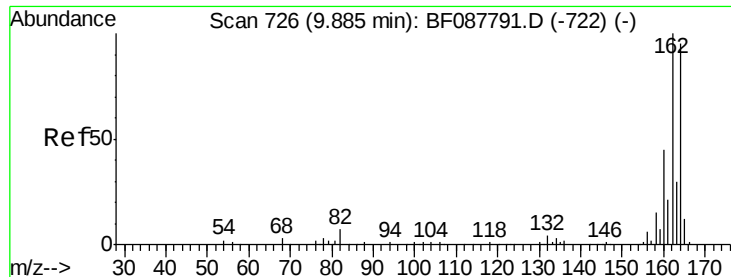
#31
 Naphthalene
 Concen: 5.34 ng
 RT: 8.14 min Scan# 573
 Delta R.T. -0.01 min
 Lab File: BF087842.D
 Acq: 9 Jun 2016 9:10

Tgt Ion: 128 Resp: 121144
 Ion Ratio Lower Upper
 128 100
 129 10.9 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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.86 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF087842.D

Acq: 9 Jun 2016 9:10

Instrument :

BNA_F

ClientSampleId :

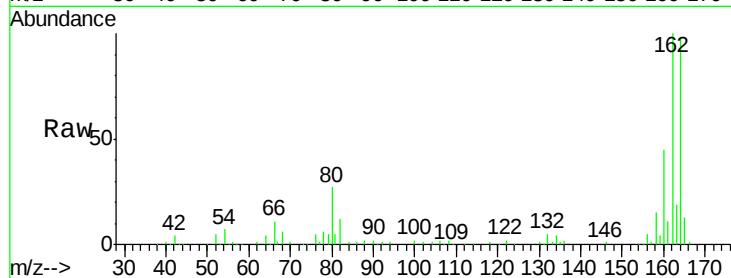
Tot Ion:164 Resp: 184950

Ion Ratio Lower Upper

164 100

162 102.3 85.4 128.2

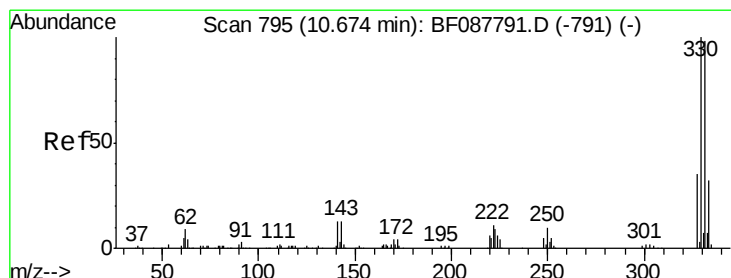
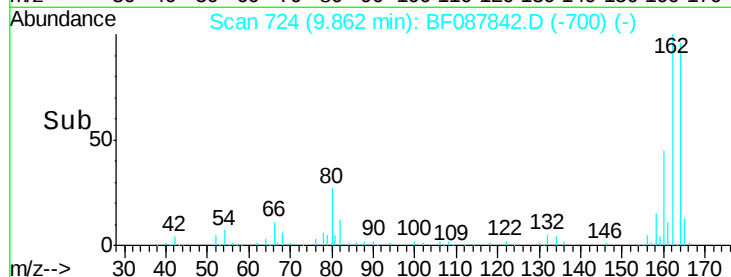
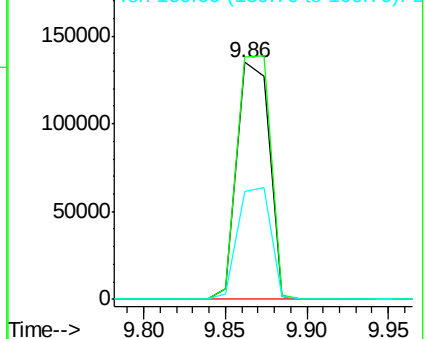
160 45.6 39.5 59.3



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: 110.45 ng

RT: 10.66 min Scan# 794

Delta R.T. -0.01 min

Lab File: BF087842.D

Acq: 9 Jun 2016 9:10

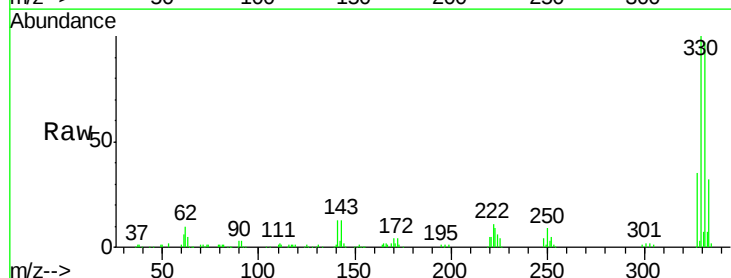
Tgt Ion:330 Resp: 215699

Ion Ratio Lower Upper

330 100

332 96.4 0.0 0.0#

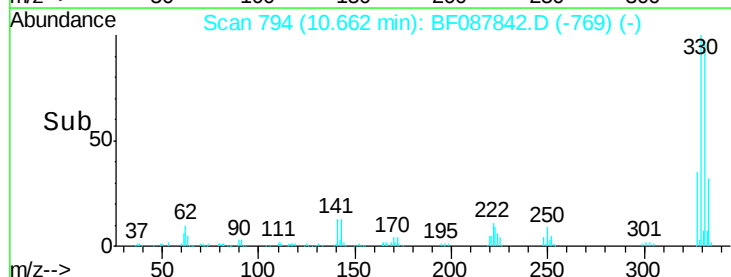
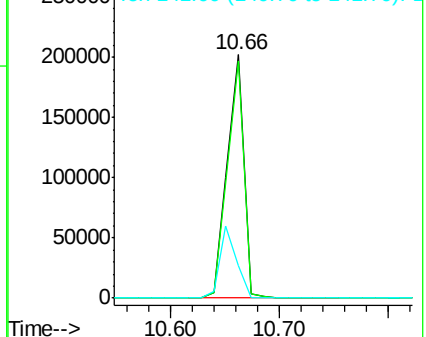
141 29.7 0.0 0.0#

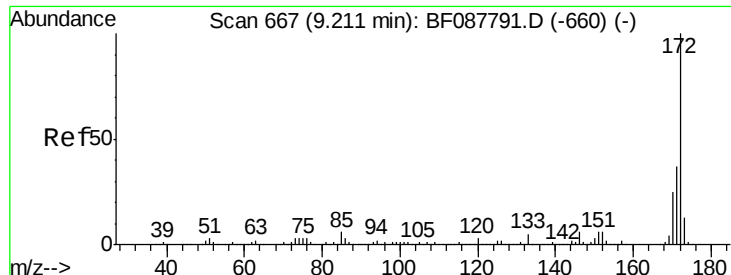


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

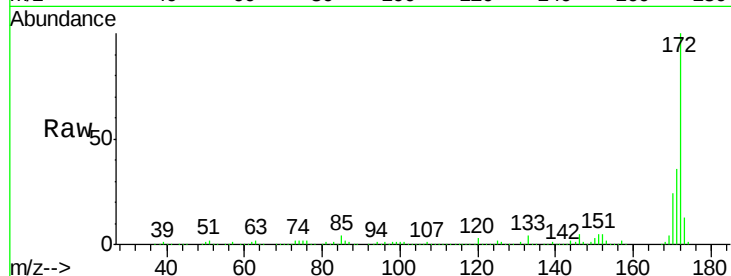




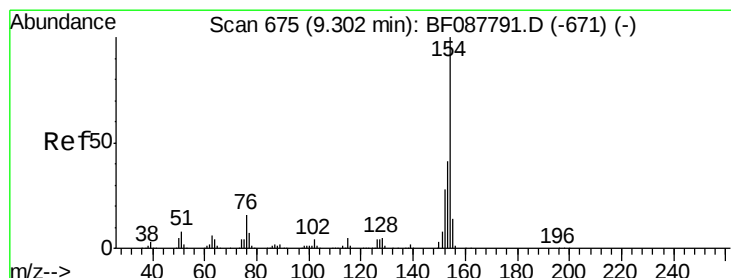
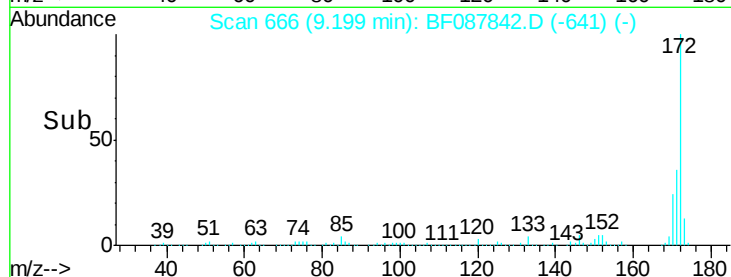
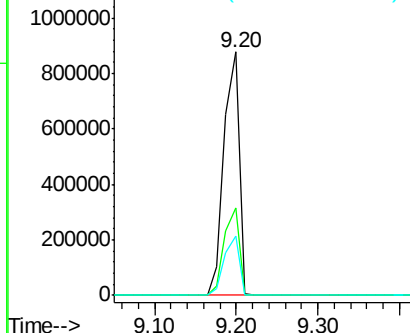
#44
 2-Fluorobiphenyl
 Concen: 96.76 ng
 RT: 9.20 min Scan# 666
 Delta R.T. -0.01 min
 Lab File: BF087842.D
 Acq: 9 Jun 2016 9:10

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1130152
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.6 43.0
 170 24.1 19.2 28.8

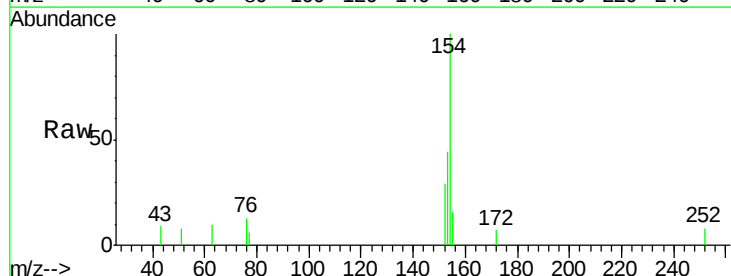


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

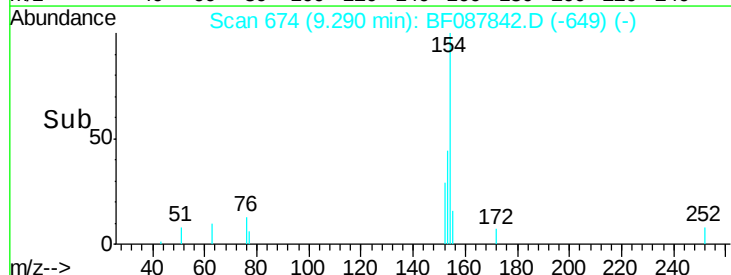
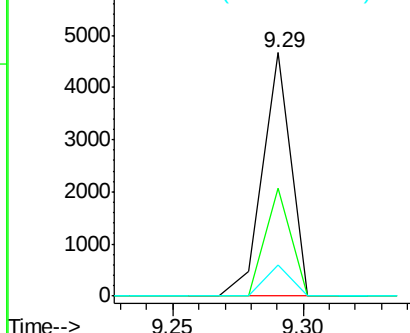


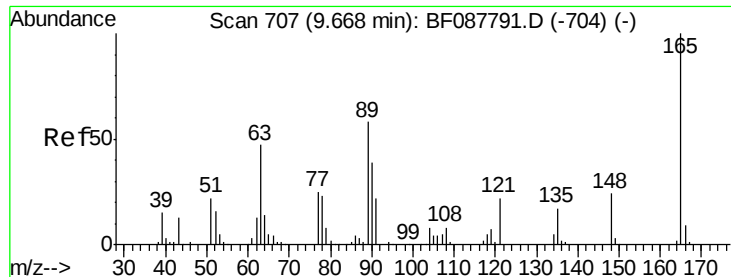
#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.29 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: BF087842.D
 Acq: 9 Jun 2016 9:10

Tgt Ion:154 Resp: 3526
 Ion Ratio Lower Upper
 154 100
 153 44.2 20.6 60.6
 76 12.7 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: 7.79 ng

RT: 9.86 min Scan# 724

Delta R.T. 0.19 min

Lab File: BF087842.D

Acq: 9 Jun 2016 9:10

Instrument :

BNA_F

ClientSampleId :

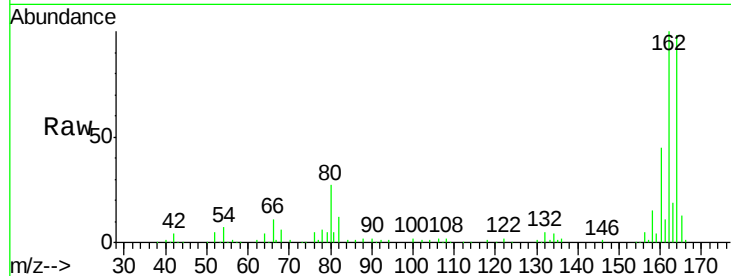
Tot Ion:165 Resp: 23895

Ion Ratio Lower Upper

165 100

63 0.0 28.1 42.1#

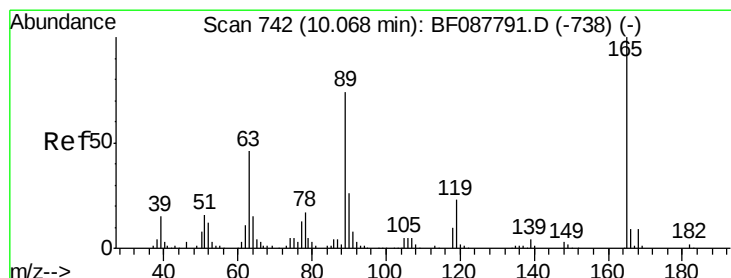
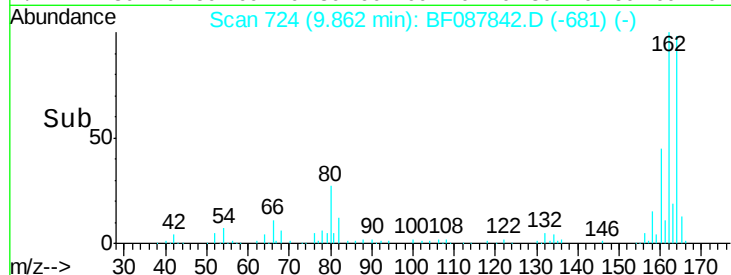
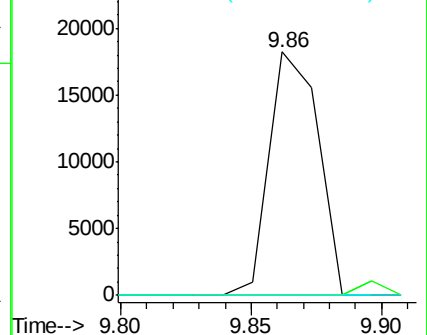
89 0.0 32.2 48.2#



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: 6.06 ng

RT: 9.86 min Scan# 724

Delta R.T. -0.21 min

Lab File: BF087842.D

Acq: 9 Jun 2016 9:10

Tgt Ion:165 Resp: 23896

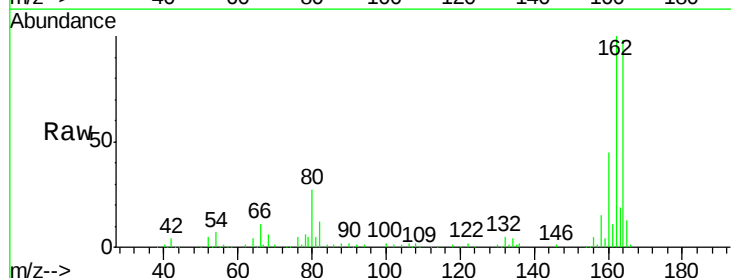
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

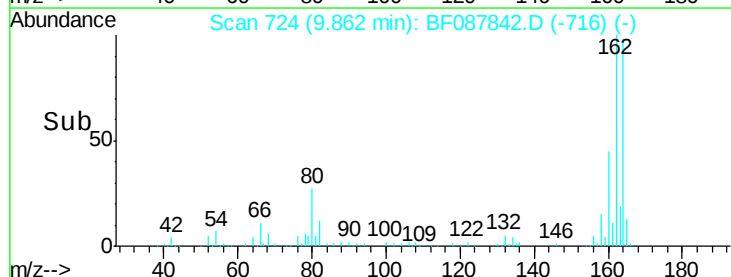
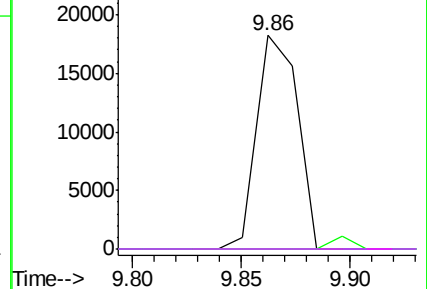


Abundance Ion 165.00 (164.70 to 165.70): E

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

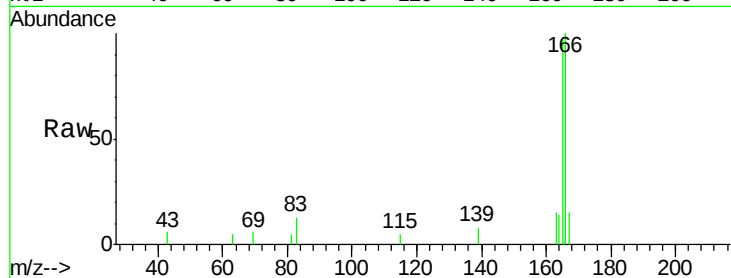




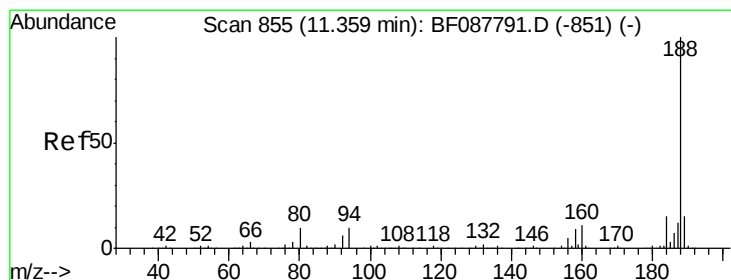
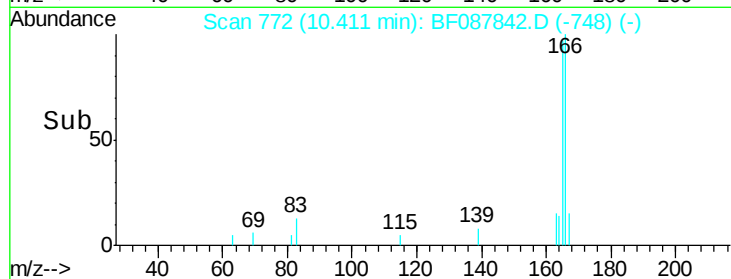
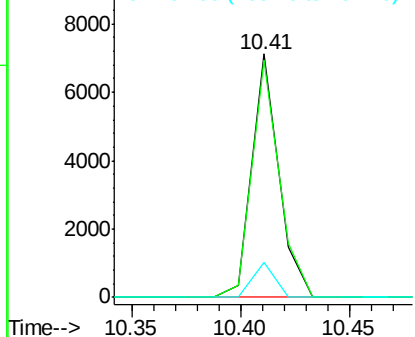
#57
Fluorene
 Concen: Below Cal
 RT: 10.41 min Scan# 772
 Delta R.T. -0.02 min
 Lab File: BF087842.D
 Acq: 9 Jun 2016 9:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 6155
 Ion Ratio Lower Upper
 166 100
 165 97.4 77.8 116.8
 167 14.5 11.2 16.8

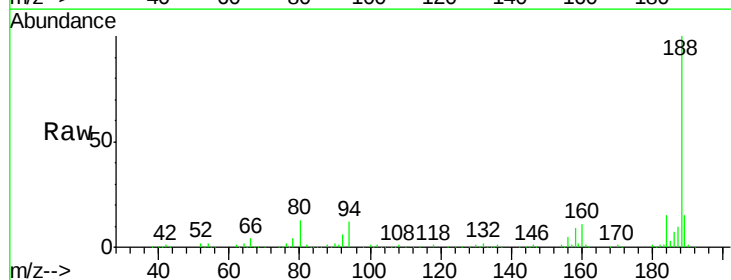


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

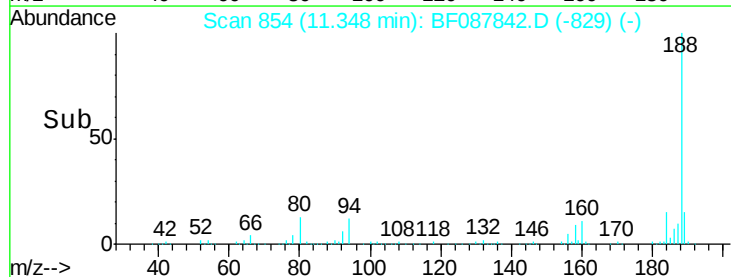
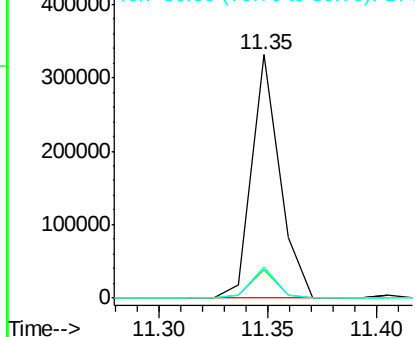


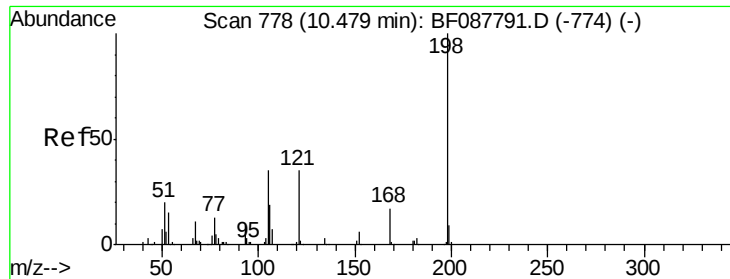
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.35 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: BF087842.D
 Acq: 9 Jun 2016 9:10

Tgt Ion:188 Resp: 296899
 Ion Ratio Lower Upper
 188 100
 94 11.9 9.0 13.6
 80 12.9 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

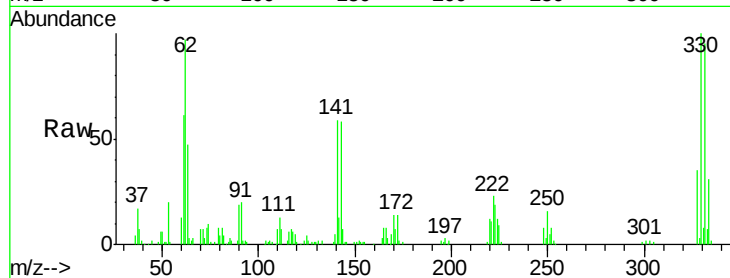




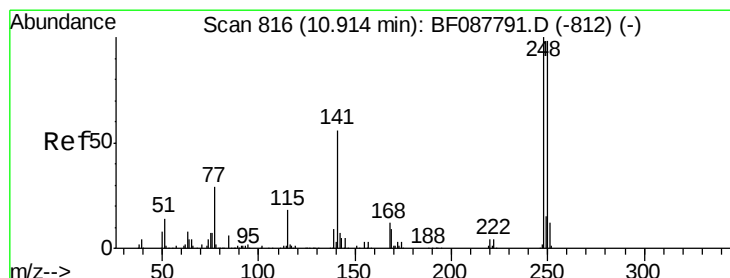
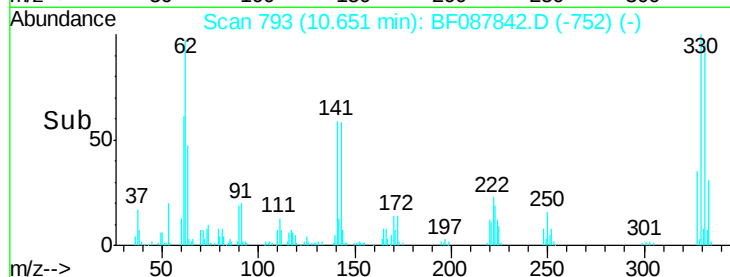
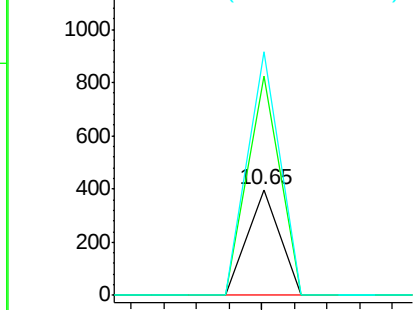
#64
4,6-Dinitro-2-methylphenol
Concen: 2.30 ng
RT: 10.65 min Scan# 793
Delta R.T. 0.17 min
Lab File: BF087842.D
Acq: 9 Jun 2016 9:10

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 273
Ion Ratio Lower Upper
198 100
51 207.5 39.6 79.6#
105 230.2 36.6 76.6#

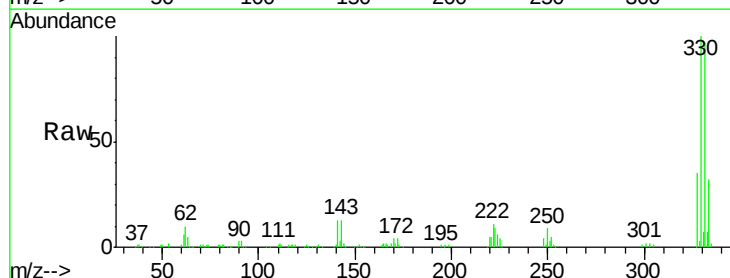


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

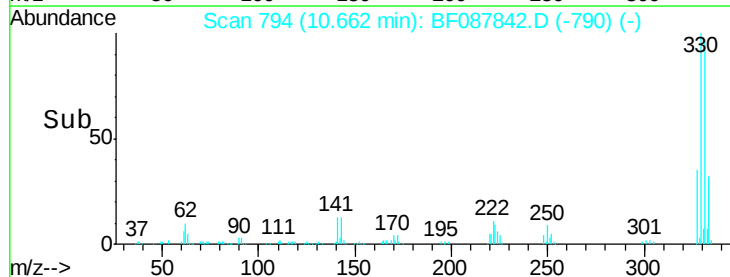
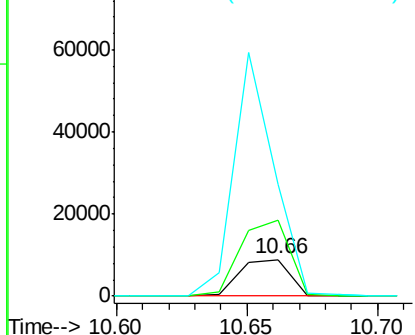


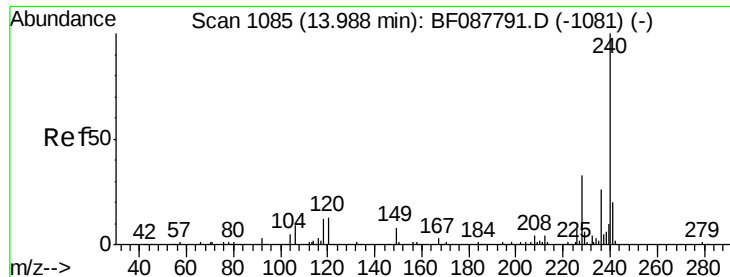
#66
4-Bromophenyl-phenylether
Concen: 3.80 ng
RT: 10.66 min Scan# 794
Delta R.T. -0.25 min
Lab File: BF087842.D
Acq: 9 Jun 2016 9:10

Tgt Ion:248 Resp: 12093
Ion Ratio Lower Upper
248 100
250 206.1 77.1 115.7#
141 304.7 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: BF087842.D

Acq: 9 Jun 2016 9:10

Instrument :

BNA_F

ClientSampleId :

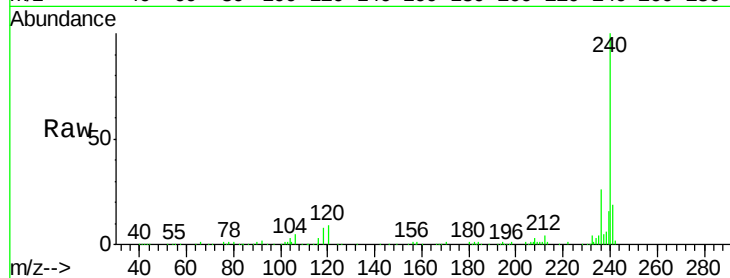
Tot Ion:240 Resp: 264535

Ion Ratio Lower Upper

240 100

120 8.9 6.8 10.2

236 25.5 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

300000

250000

200000

150000

100000

50000

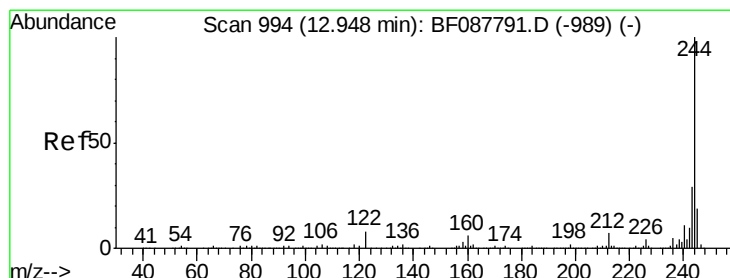
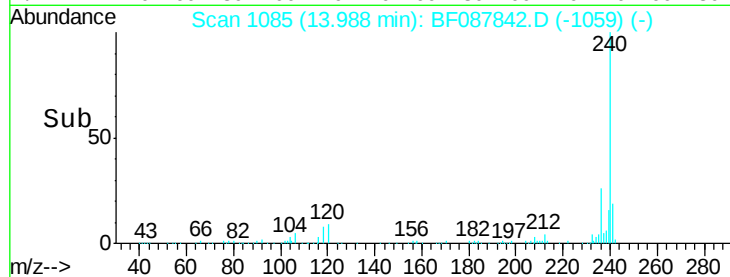
0

13.90

14.00

14.10

Time-->



#78

Terphenyl-d14

Concen: 72.22 ng

RT: 12.95 min Scan# 994

Delta R.T. -0.00 min

Lab File: BF087842.D

Acq: 9 Jun 2016 9:10

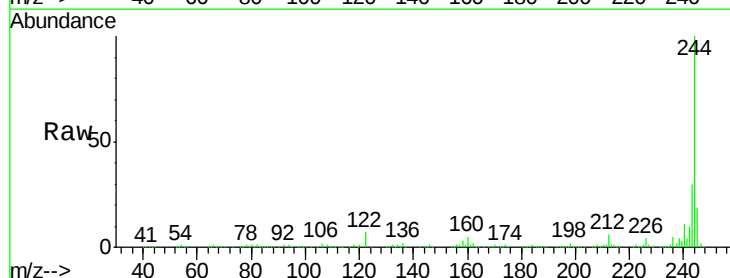
Tgt Ion:244 Resp: 839608

Ion Ratio Lower Upper

244 100

212 6.2 6.0 9.0

122 6.7 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

800000

600000

400000

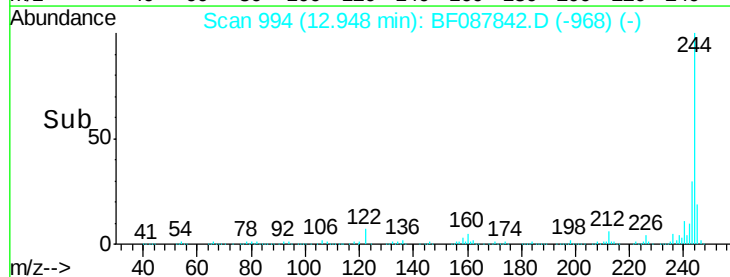
200000

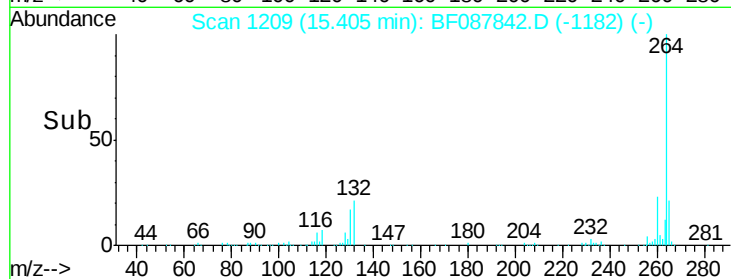
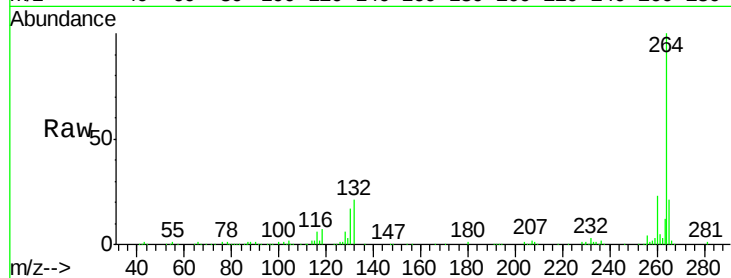
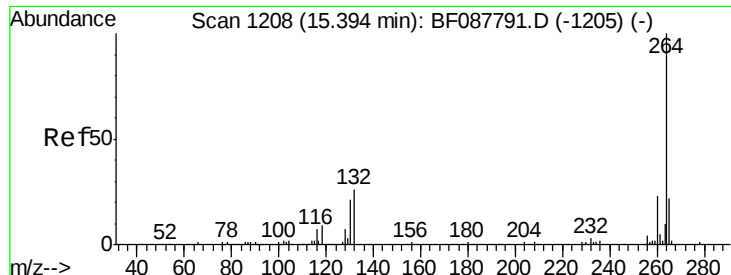
0

12.90

13.00

Time-->





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.41 min Scan# 1209
 Delta R.T. 0.01 min
 Lab File: BF087842.D
 Acq: 9 Jun 2016 9:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.1	16.9	25.3

