

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062116\
 Data File : BF088225.D
 Acq On : 21 Jun 2016 21:13
 Operator : UM/SJ
 Sample : PB91462BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB91462BL

Quant Time: Jun 22 00:51:17 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 20 17:39:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	88433	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	342896	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	158827	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	321454	20.00	ng	-0.01
75) Chrysene-d12	13.79	240	275718	20.00	ng	-0.01
86) Perylene-d12	15.17	264	215755	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	565965	109.41	ng	0.00
7) Phenol-d6	6.31	99	669605	106.81	ng	-0.02
23) Nitrobenzene-d5	7.22	82	426182	72.58	ng	-0.02
41) 2,4,6-Tribromophenol	10.48	330	172739	103.00	ng	-0.01
44) 2-Fluorobiphenyl	9.02	172	809916	79.77	ng	-0.02
78) Terphenyl-d14	12.75	244	778912	64.29	ng	-0.01

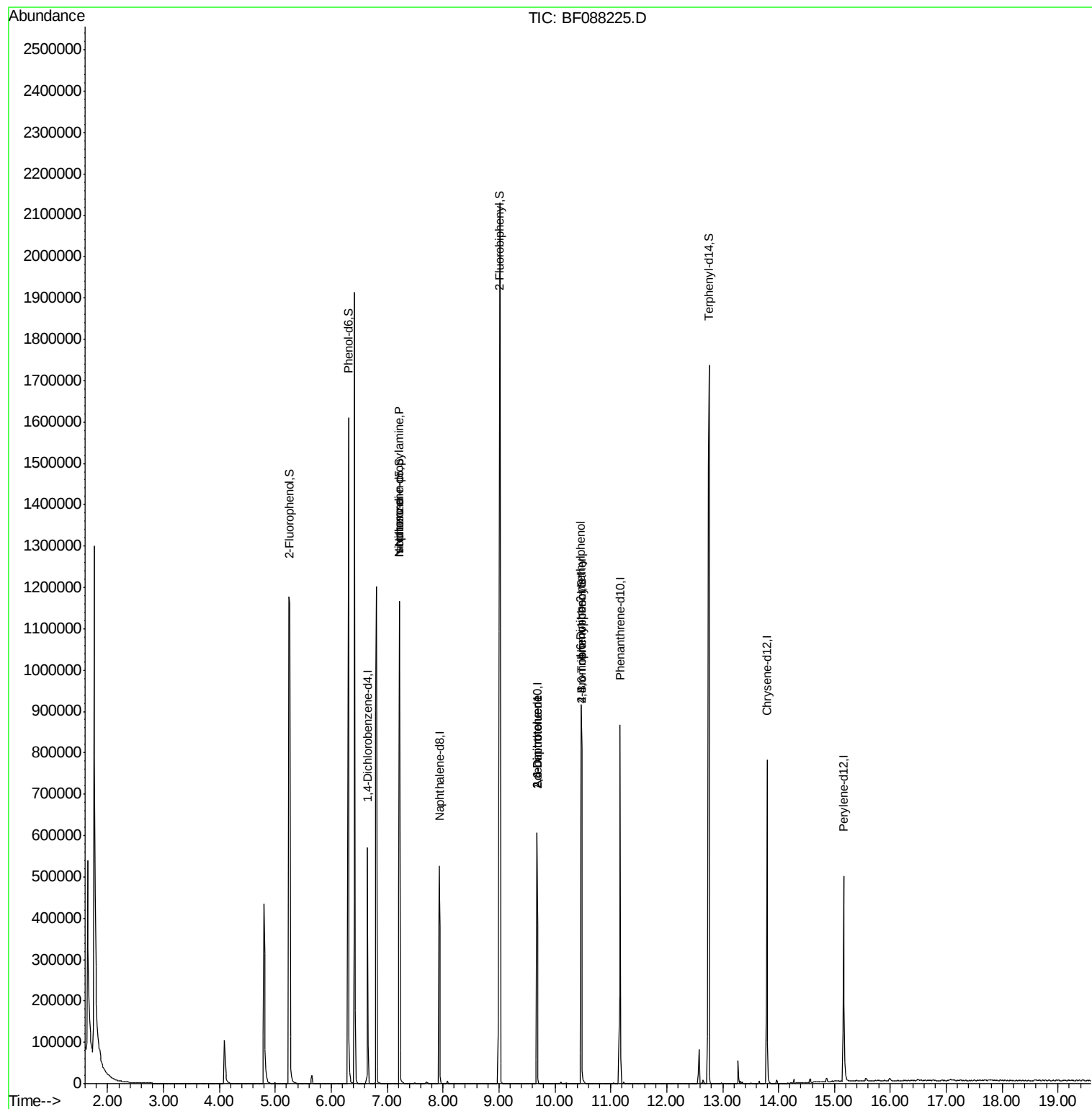
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.42	94	1073	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.22	70	55231	13.77	ng	70
25) Isophorone	7.22	82	313982	28.87	ng	65
45) 1,1'-Biphenyl	9.02	154	1610	Below Cal	#	1
50) 2,6-Dinitrotoluene	9.68	165	19716	7.48	ng	37
56) 2,4-Dinitrotoluene	9.68	165	19716	5.82	ng	36
57) Fluorene	10.47	166	8185	Below Cal	#	87
64) 4,6-Dinitro-2-methylphenol	10.47	198	226	2.27	ng	1
66) 4-Bromophenyl-phenylether	10.48	248	11483	3.33	ng	1

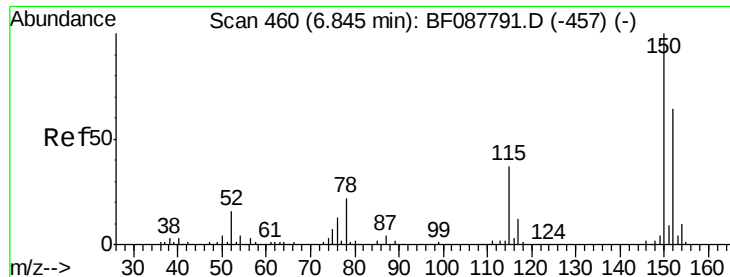
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.65 min Scan# 443

Delta R.T. -0.02 min

Lab File: BF088225.D

Acq: 21 Jun 2016 21:13

Instrument :

BNA_F

ClientSampleId :

PB91462BL

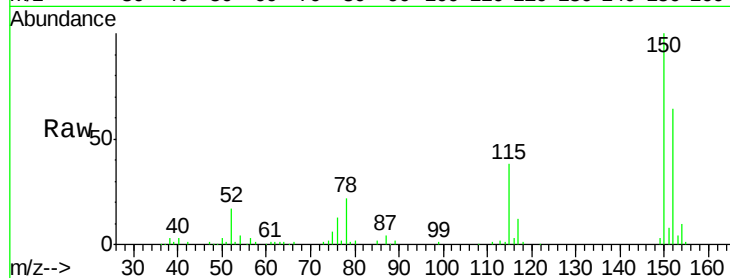
Tgt Ion:152 Resp: 88433

Ion Ratio Lower Upper

152 100

150 155.6 123.8 185.6

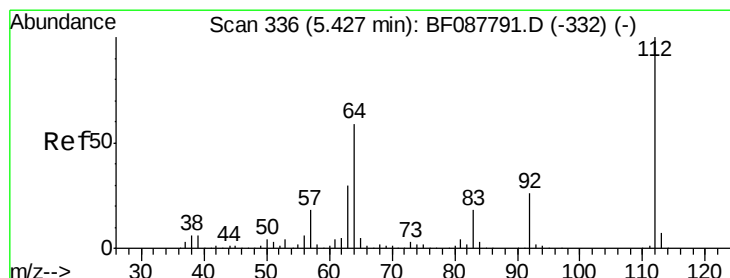
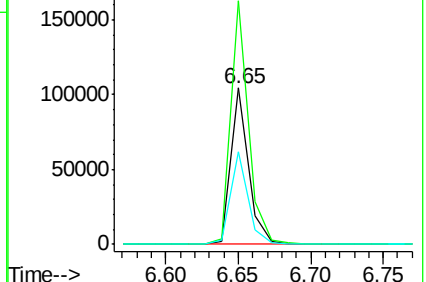
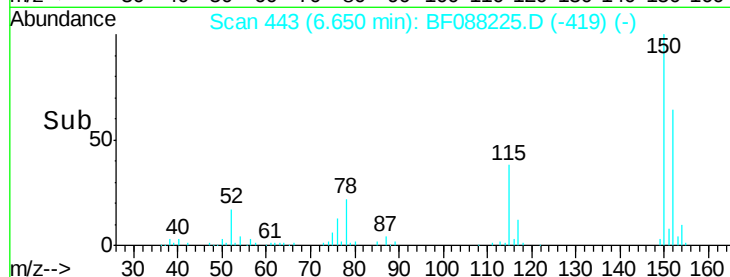
115 59.2 39.6 59.4



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: 109.41 ng

RT: 5.26 min Scan# 321

Delta R.T. -0.00 min

Lab File: BF088225.D

Acq: 21 Jun 2016 21:13

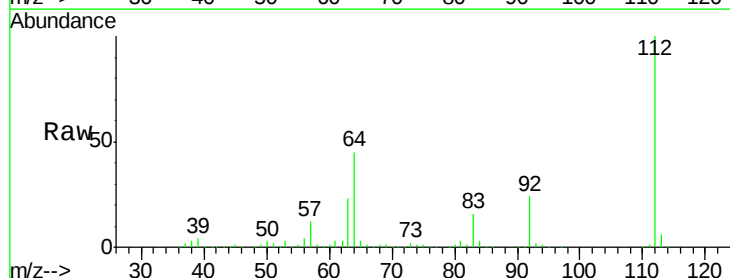
Tgt Ion:112 Resp: 565965

Ion Ratio Lower Upper

112 100

64 45.0 42.2 63.2

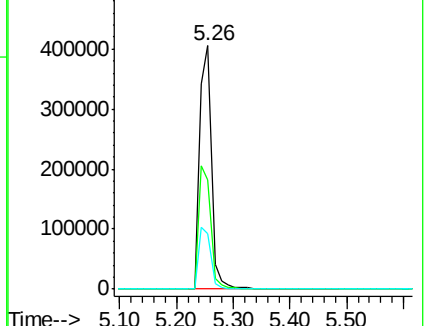
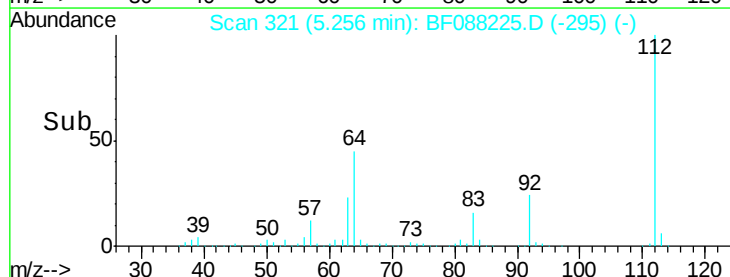
63 22.6 21.8 32.8

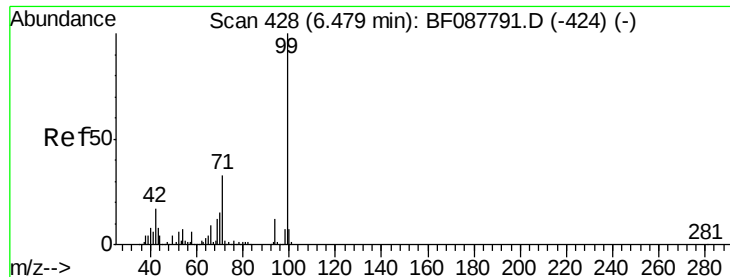


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 106.81 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.02 min

Lab File: BF088225.D

Acq: 21 Jun 2016 21:13

Instrument :

BNA_F

ClientSampleId :

PB91462BL

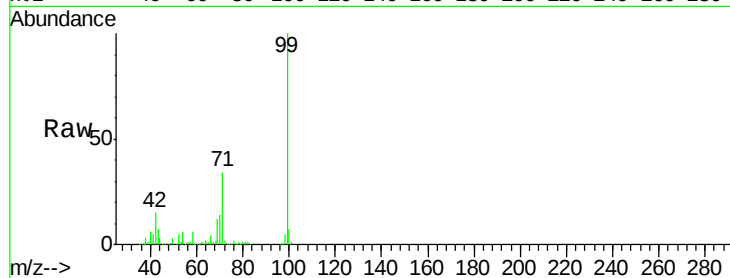
Tgt Ion: 99 Resp: 669605

Ion Ratio Lower Upper

99 100

42 15.1 12.2 18.2

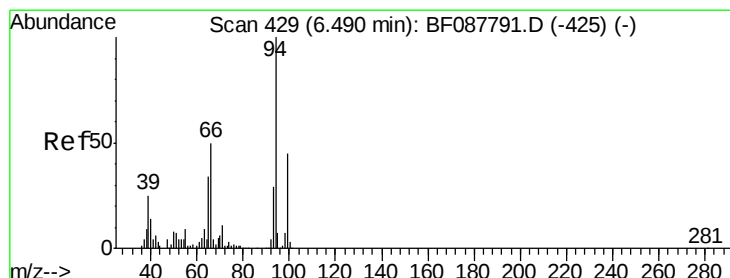
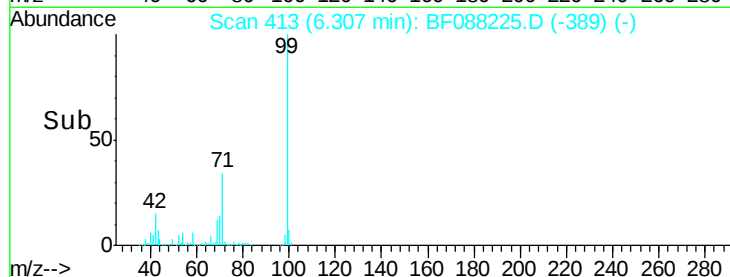
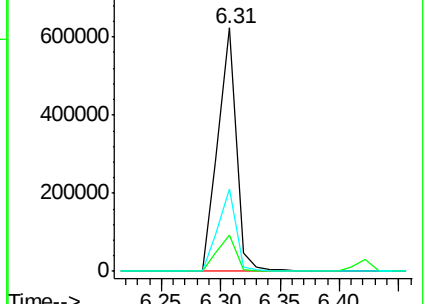
71 33.6 23.4 35.0



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: 6.42 min Scan# 423

Delta R.T. 0.08 min

Lab File: BF088225.D

Acq: 21 Jun 2016 21:13

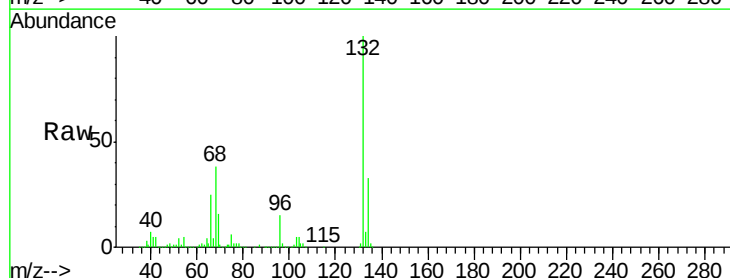
Tgt Ion: 94 Resp: 1073

Ion Ratio Lower Upper

94 100

65 901.0 5.9 45.9#

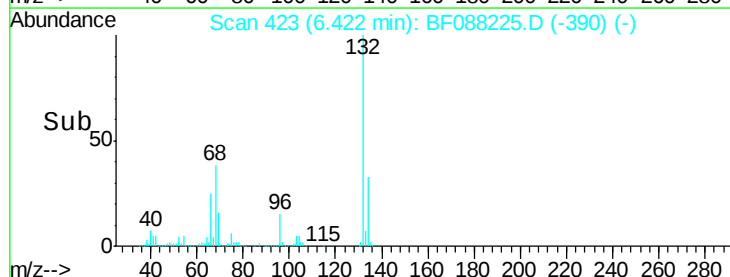
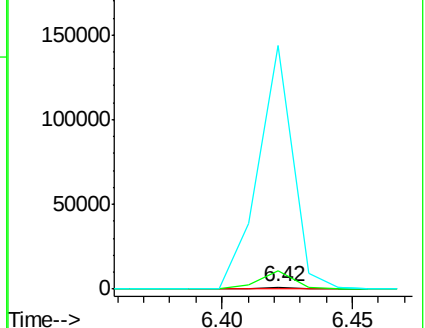
66 11652.9 14.0 54.0#

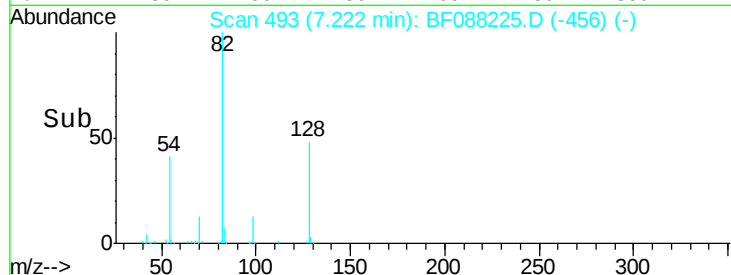
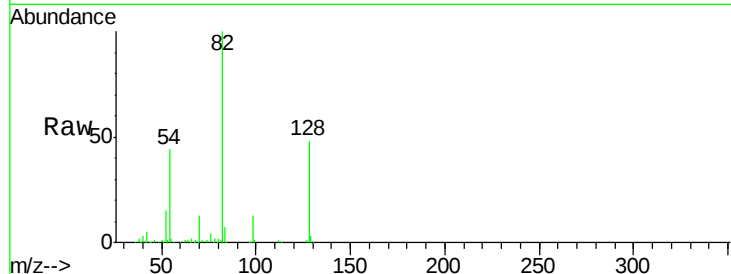
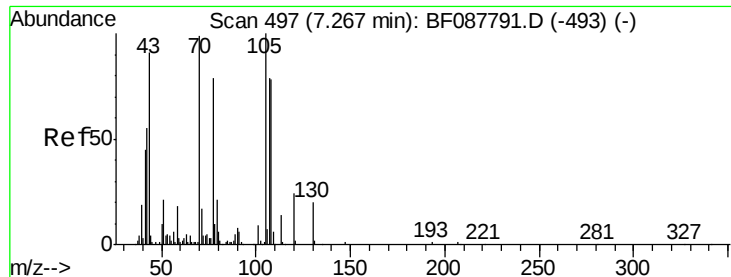


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

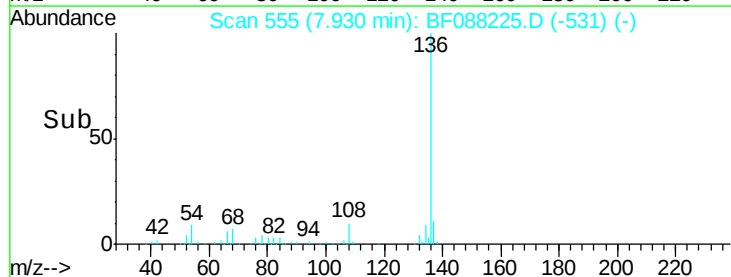
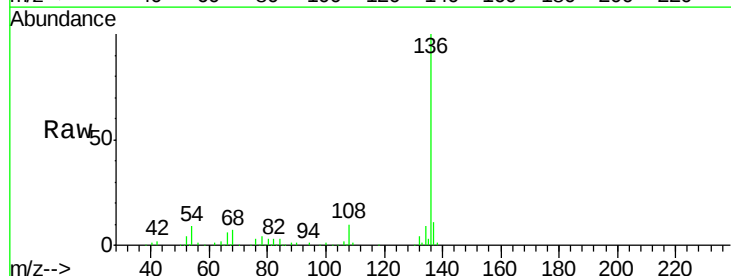
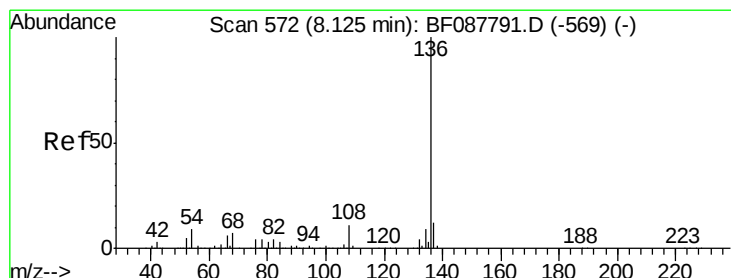
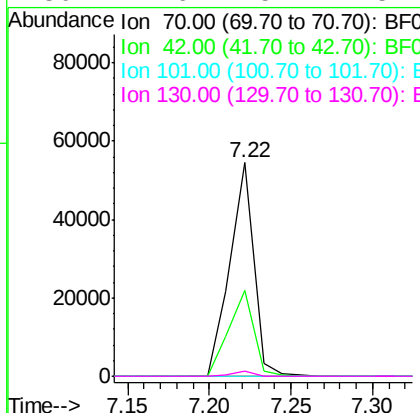




#19
n-Nitroso-di-n-propylamine
Concen: 13.77 ng
RT: 7.22 min Scan# 493
Delta R.T. 0.13 min
Lab File: BF088225.D
Acq: 21 Jun 2016 21:13

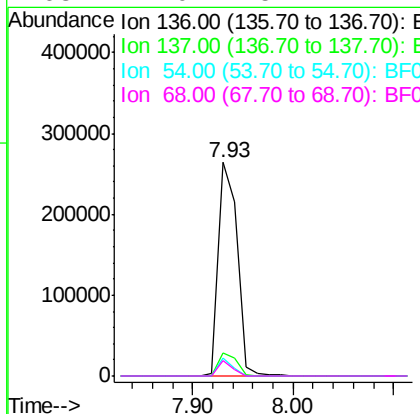
Instrument :
BNA_F
ClientSampleId :
PB91462BL

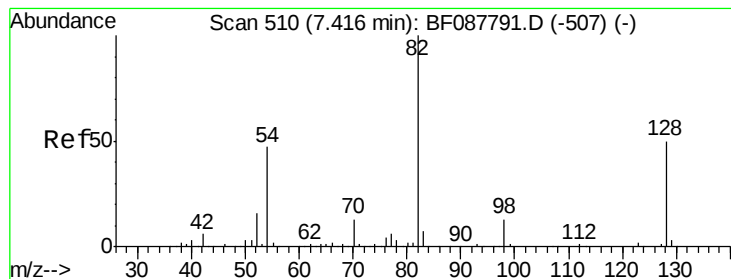
Tgt Ion: 70 Resp: 55231
Ion Ratio Lower Upper
70 100
42 40.1 49.6 74.4#
101 0.0 7.1 10.7#
130 2.6 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.93 min Scan# 555
Delta R.T. -0.02 min
Lab File: BF088225.D
Acq: 21 Jun 2016 21:13

Tgt Ion: 136 Resp: 342896
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 8.5 6.6 10.0
68 7.0 5.1 7.7





#23

Nitrobenzene-d5

Concen: 72.58 ng

RT: 7.22 min Scan# 493

Delta R.T. -0.02 min

Lab File: BF088225.D

Acq: 21 Jun 2016 21:13

Instrument :

BNA_F

ClientSampleId :

PB91462BL

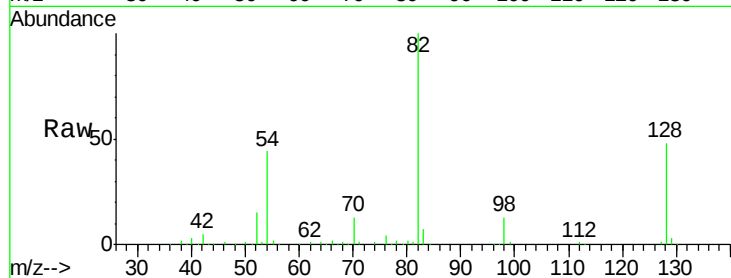
Tgt Ion: 82 Resp: 426182

Ion Ratio Lower Upper

82 100

128 48.3 35.9 53.9

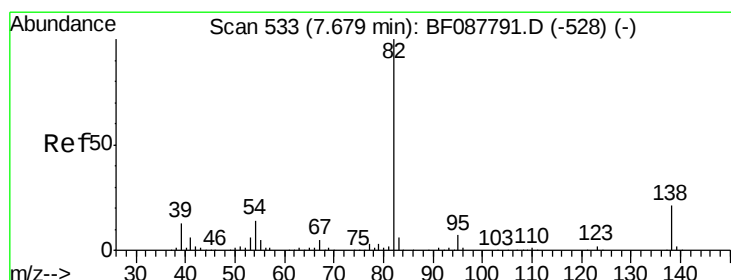
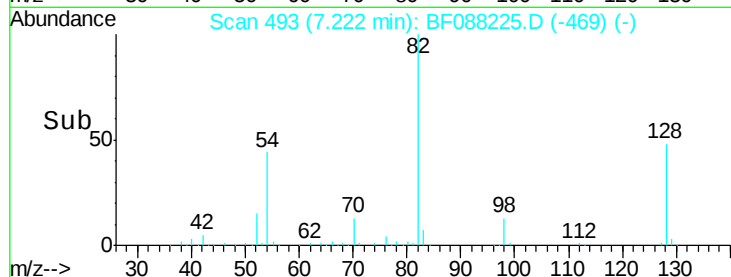
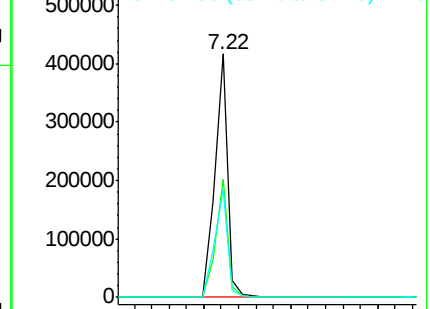
54 44.2 40.9 61.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 28.87 ng

RT: 7.22 min Scan# 493

Delta R.T. -0.29 min

Lab File: BF088225.D

Acq: 21 Jun 2016 21:13

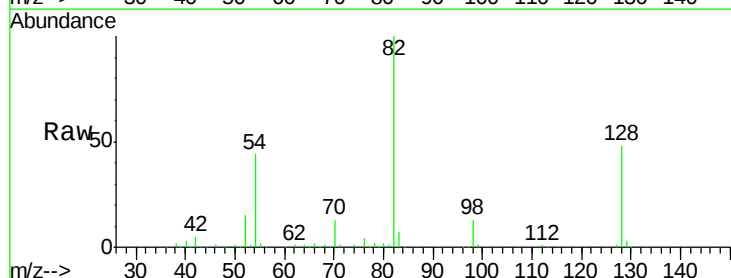
Tgt Ion: 82 Resp: 313982

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

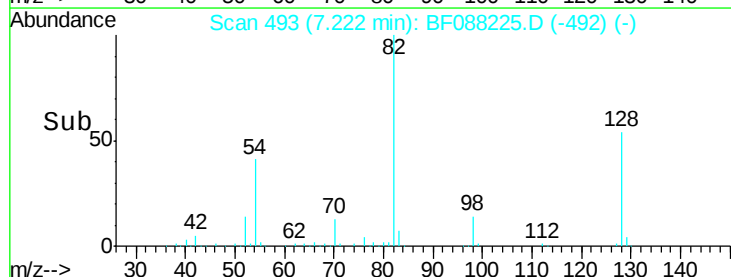
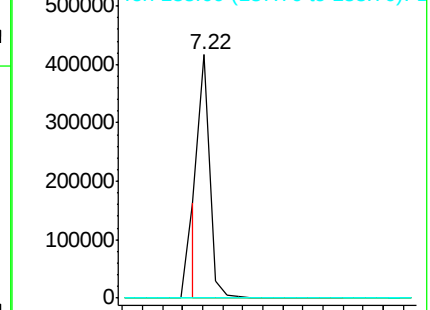
138 0.0 14.6 21.8#

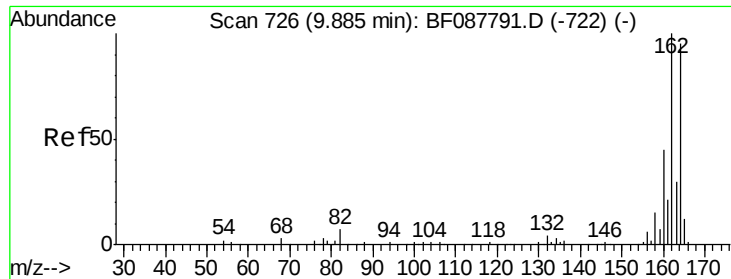


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

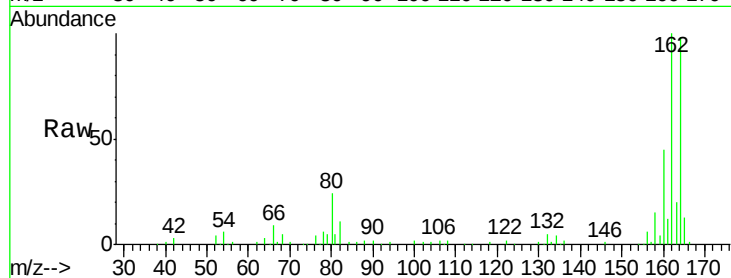




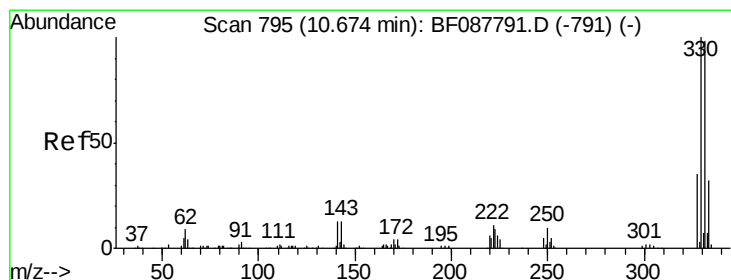
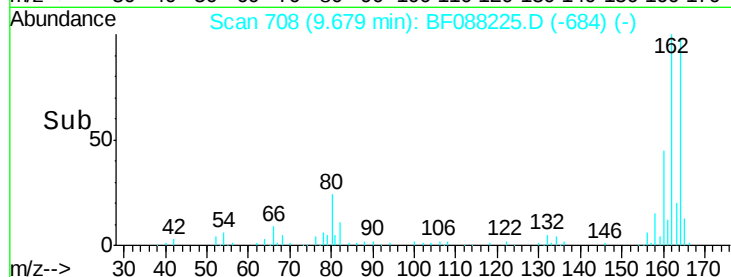
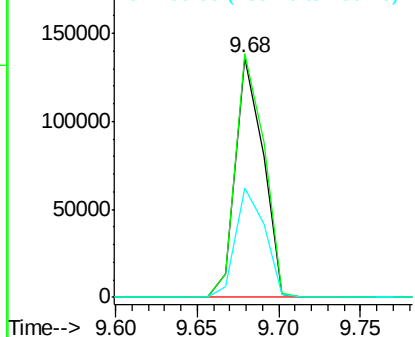
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.68 min Scan# 708
 Delta R.T. -0.02 min
 Lab File: BF088225.D
 Acq: 21 Jun 2016 21:13

Instrument :
 BNA_F
 ClientSampleId :
 PB91462BL

Tgt Ion:164 Resp: 158827
 Ion Ratio Lower Upper
 164 100
 162 101.7 85.4 128.2
 160 45.8 39.5 59.3

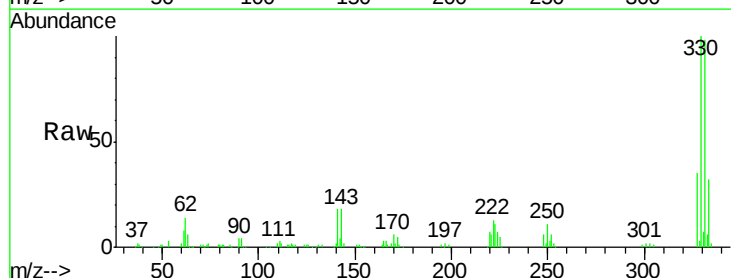


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

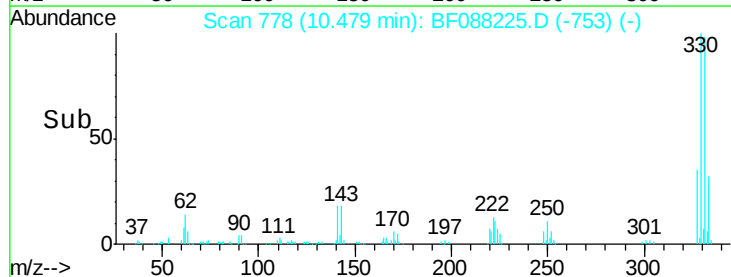
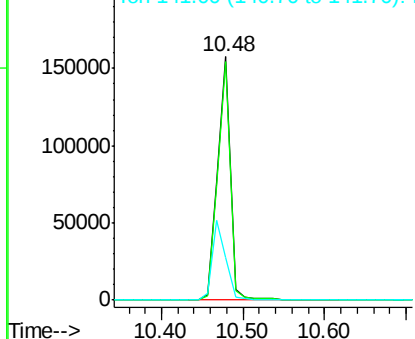


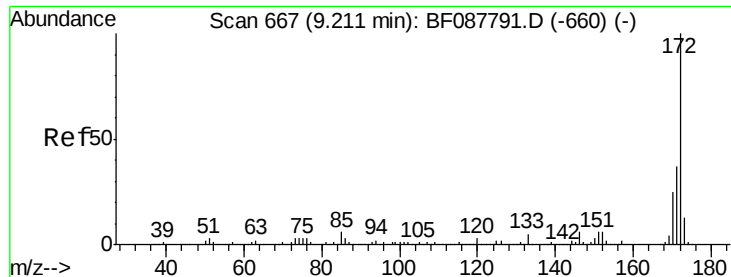
#41
 2,4,6-Tribromophenol
 Concen: 103.00 ng
 RT: 10.48 min Scan# 778
 Delta R.T. -0.01 min
 Lab File: BF088225.D
 Acq: 21 Jun 2016 21:13

Tgt Ion:330 Resp: 172739
 Ion Ratio Lower Upper
 330 100
 332 97.1 0.0 0.0#
 141 34.6 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

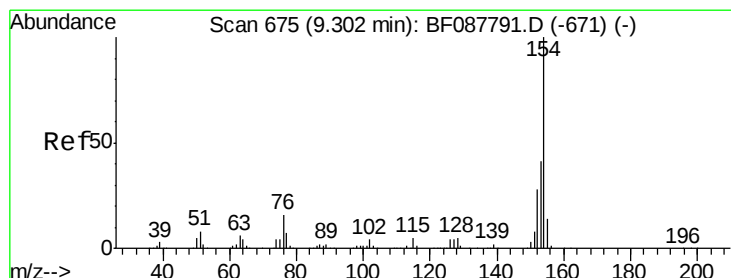
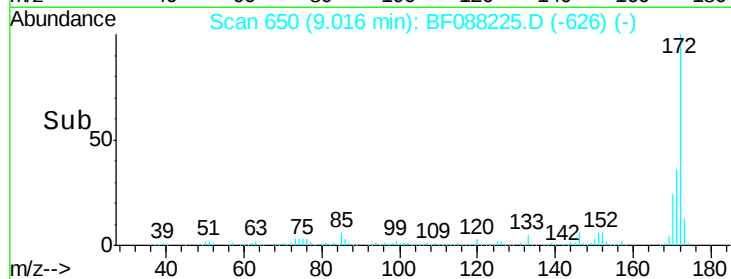
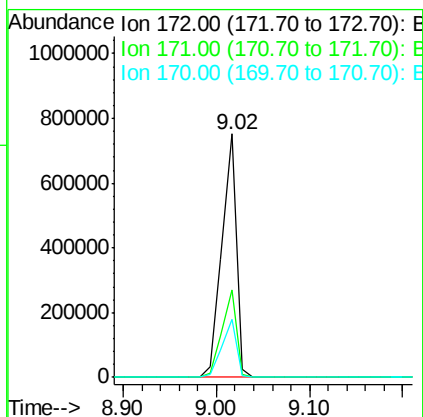
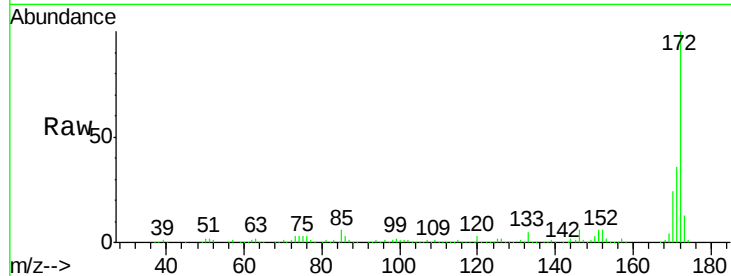




#44
 2-Fluorobiphenyl
 Concen: 79.77 ng
 RT: 9.02 min Scan# 650
 Delta R.T. -0.02 min
 Lab File: BF088225.D
 Acq: 21 Jun 2016 21:13

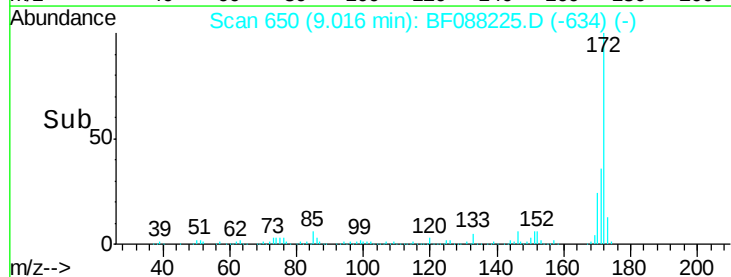
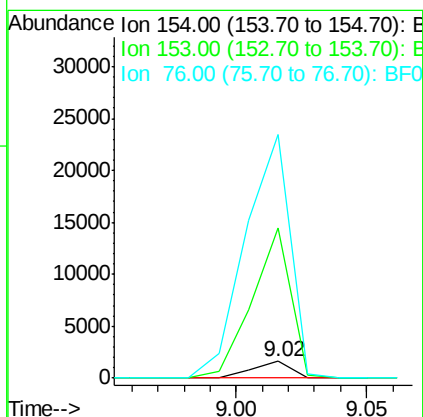
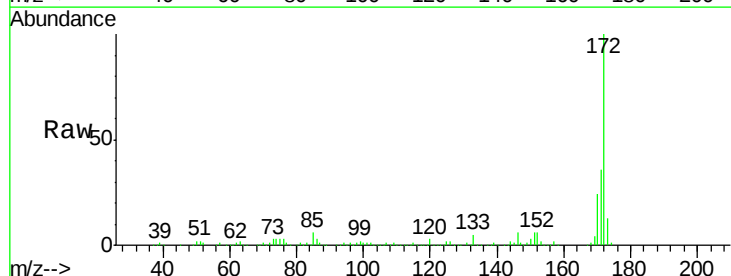
Instrument :
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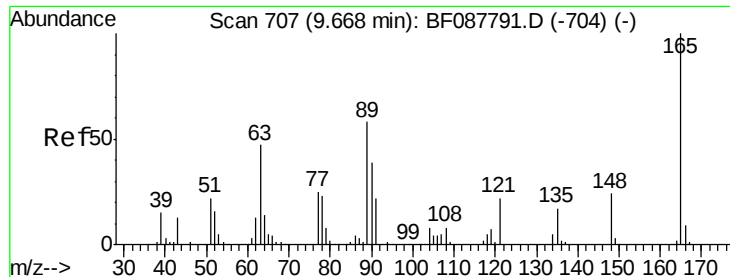
Tgt Ion:172 Resp: 809916
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.6 43.0
 170 24.1 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.02 min Scan# 650
 Delta R.T. -0.11 min
 Lab File: BF088225.D
 Acq: 21 Jun 2016 21:13

Tgt Ion:154 Resp: 1610
 Ion Ratio Lower Upper
 154 100
 153 906.3 20.6 60.6#
 76 1465.5 0.0 35.1#





#50

2,6-Dinitrotoluene

Concen: 7.48 ng

RT: 9.68 min Scan# 708

Delta R.T. 0.17 min

Lab File: BF088225.D

Acq: 21 Jun 2016 21:13

Instrument :

BNA_F

ClientSampleId :

PB91462BL

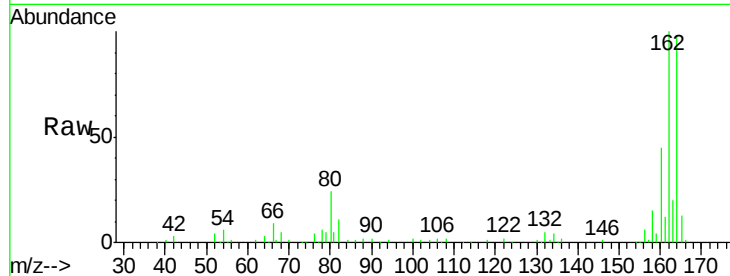
Tgt Ion:165 Resp: 19716

Ion Ratio Lower Upper

165 100

63 0.0 28.1 42.1#

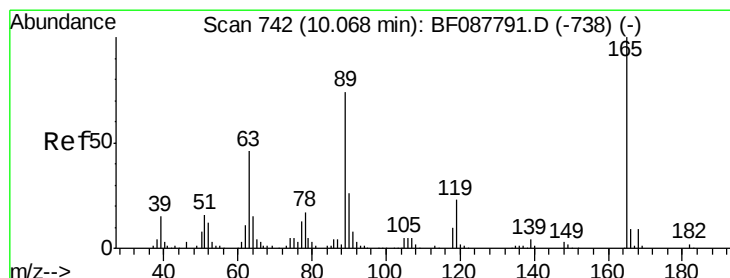
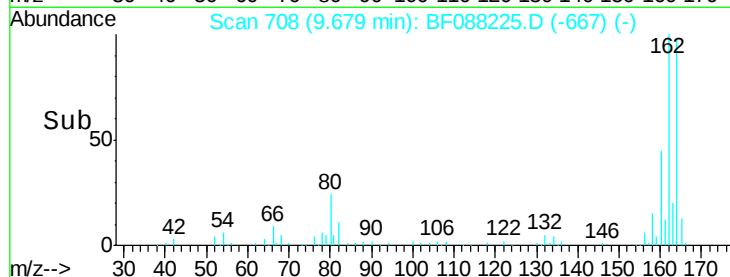
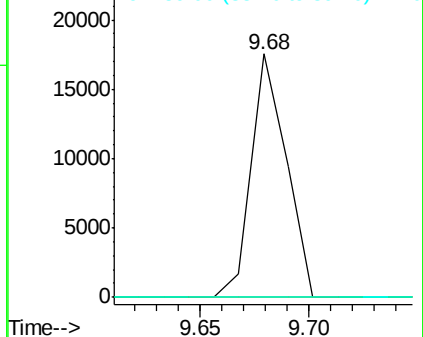
89 0.0 32.2 48.2#



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: 5.82 ng

RT: 9.68 min Scan# 708

Delta R.T. -0.23 min

Lab File: BF088225.D

Acq: 21 Jun 2016 21:13

Tgt Ion:165 Resp: 19716

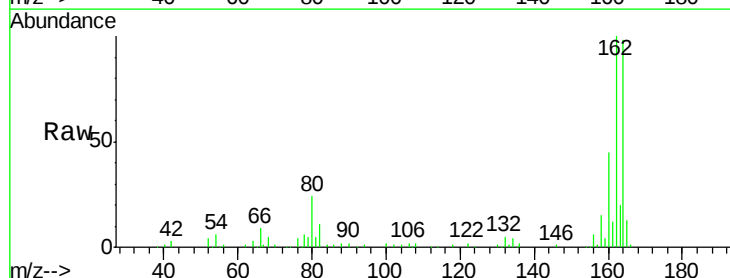
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

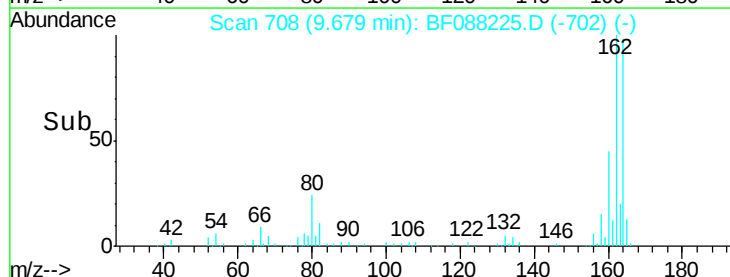
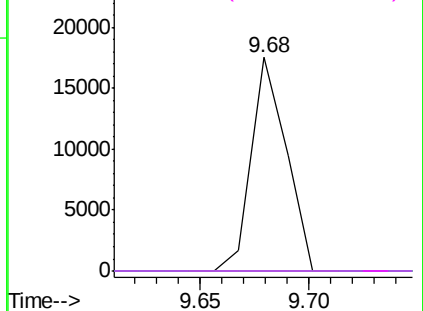


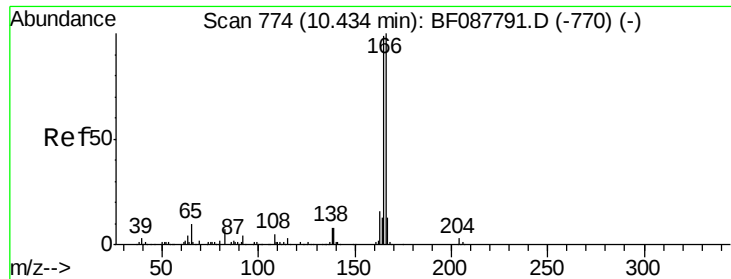
Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.47 min Scan# 777

Delta R.T. 0.22 min

Lab File: BF088225.D

Acq: 21 Jun 2016 21:13

Instrument :

BNA_F

ClientSampleId :

PB91462BL

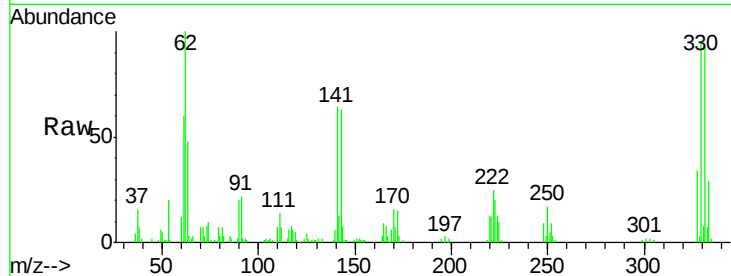
Tgt Ion:166 Resp: 8185

Ion Ratio Lower Upper

166 100

165 105.3 77.8 116.8

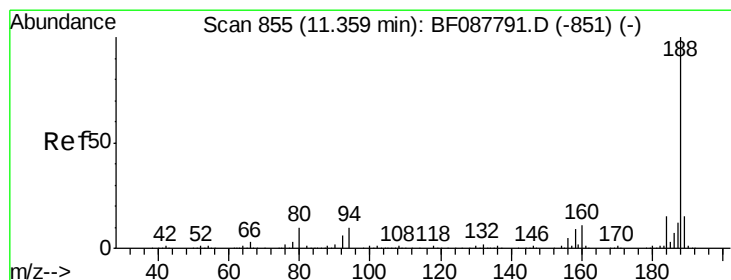
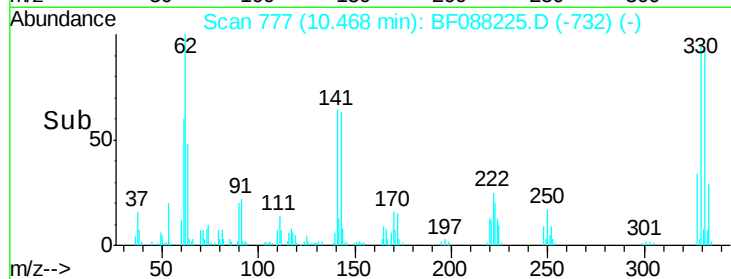
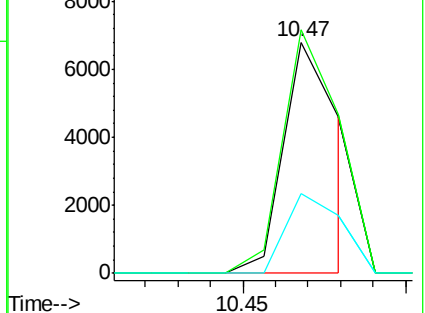
167 34.5 11.2 16.8#



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: 11.16 min Scan# 838

Delta R.T. -0.01 min

Lab File: BF088225.D

Acq: 21 Jun 2016 21:13

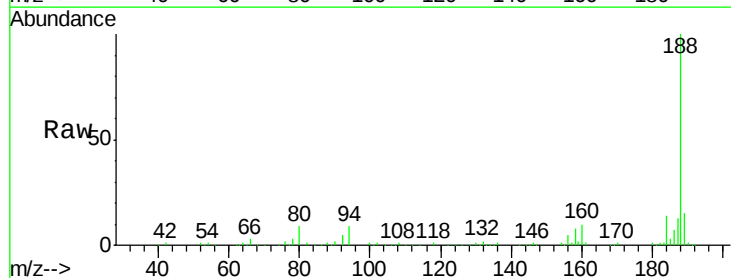
Tgt Ion:188 Resp: 321454

Ion Ratio Lower Upper

188 100

94 8.6 9.0 13.6#

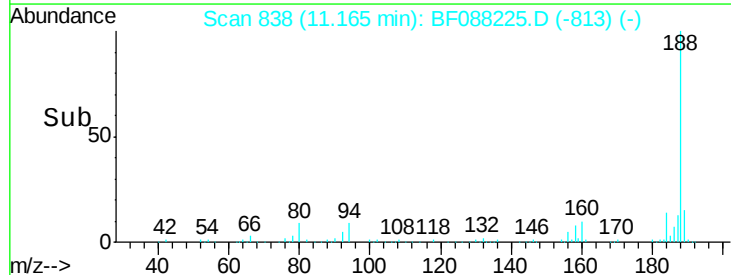
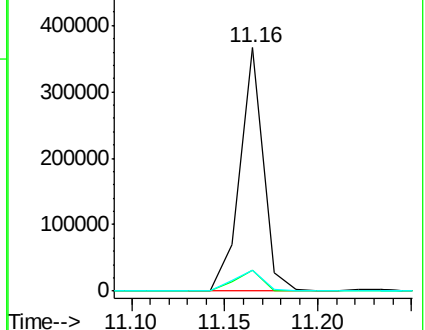
80 8.8 10.0 15.0#

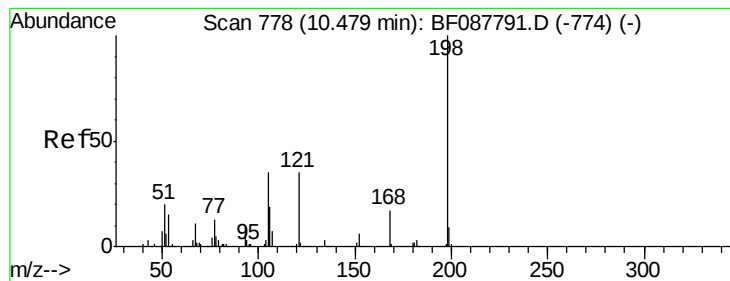


Abundance Ion 188.00 (187.70 to 188.70): E

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: 2.27 ng

RT: 10.47 min Scan# 777

Delta R.T. 0.15 min

Lab File: BF088225.D

Acq: 21 Jun 2016 21:13

Instrument :

BNA_F

ClientSampleId :

PB91462BL

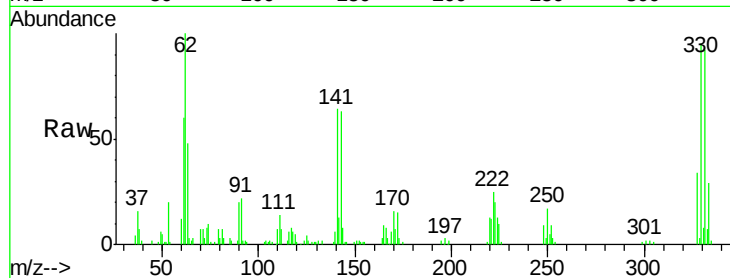
Tgt Ion:198 Resp: 226

Ion Ratio Lower Upper

198 100

51 208.2 39.6 79.6#

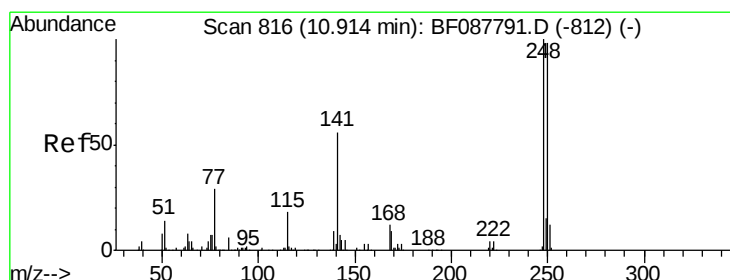
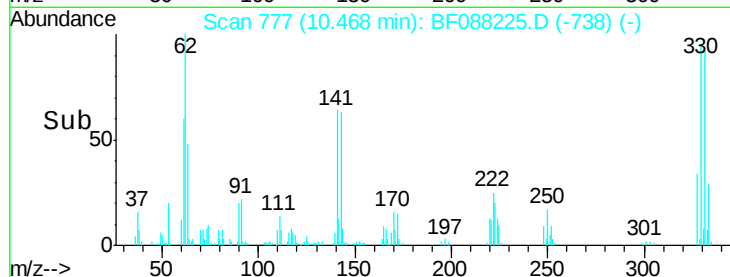
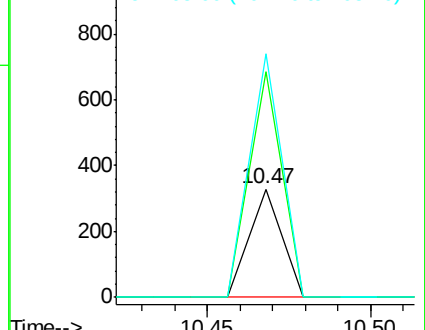
105 224.6 36.6 76.6#



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: 3.33 ng

RT: 10.48 min Scan# 778

Delta R.T. -0.25 min

Lab File: BF088225.D

Acq: 21 Jun 2016 21:13

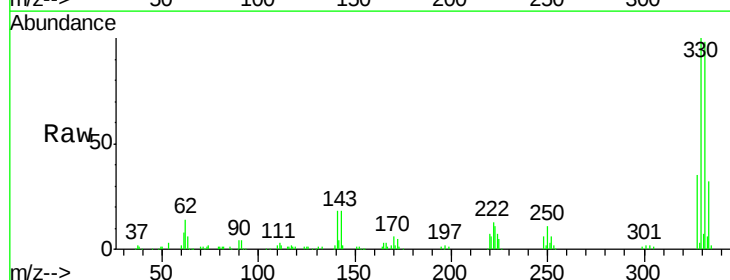
Tgt Ion:248 Resp: 11483

Ion Ratio Lower Upper

248 100

250 190.9 77.1 115.7#

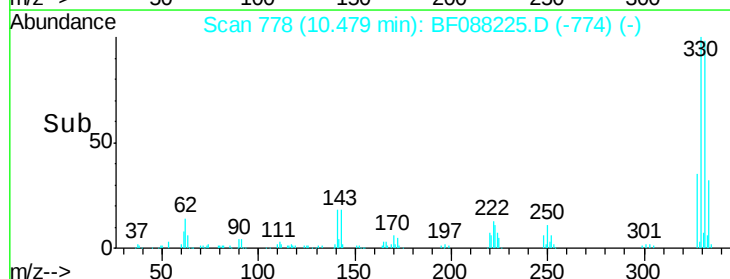
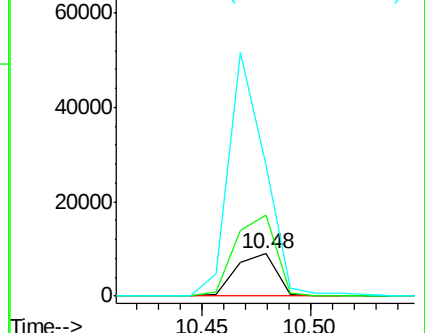
141 310.5 50.6 76.0#

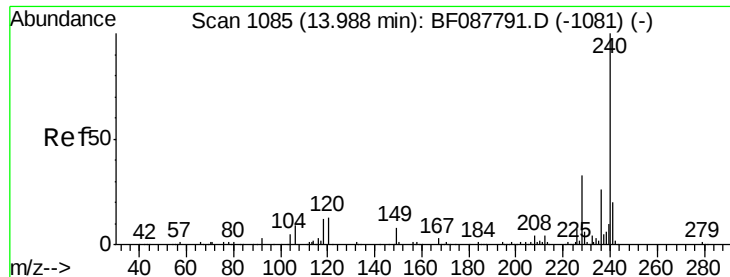


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.79 min Scan# 1068

Delta R.T. -0.01 min

Lab File: BF088225.D

Acq: 21 Jun 2016 21:13

Instrument :

BNA_F

ClientSampleId :

PB91462BL

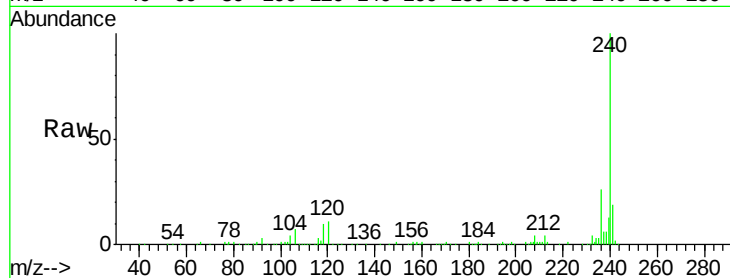
Tgt Ion:240 Resp: 275718

Ion Ratio Lower Upper

240 100

120 11.2 6.8 10.2#

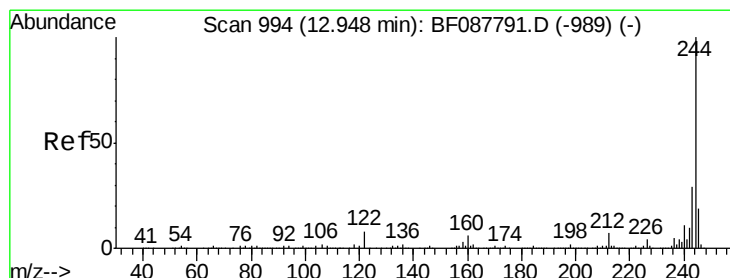
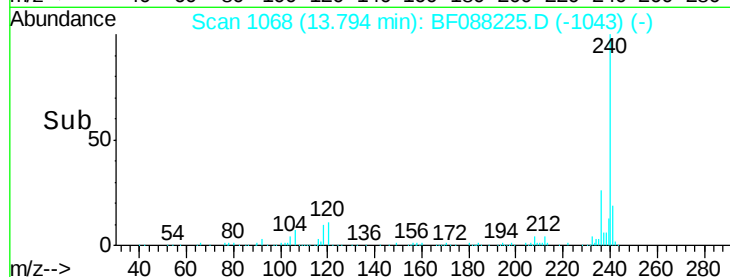
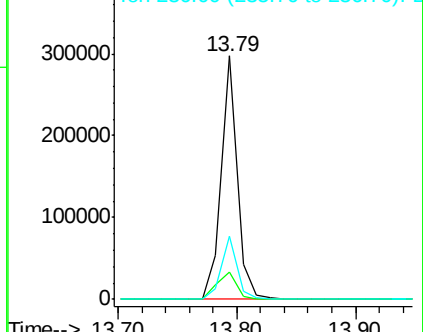
236 25.7 20.2 30.2



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: 64.29 ng

RT: 12.75 min Scan# 977

Delta R.T. -0.01 min

Lab File: BF088225.D

Acq: 21 Jun 2016 21:13

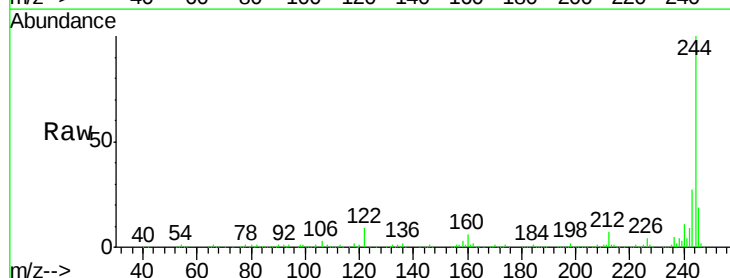
Tgt Ion:244 Resp: 778912

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

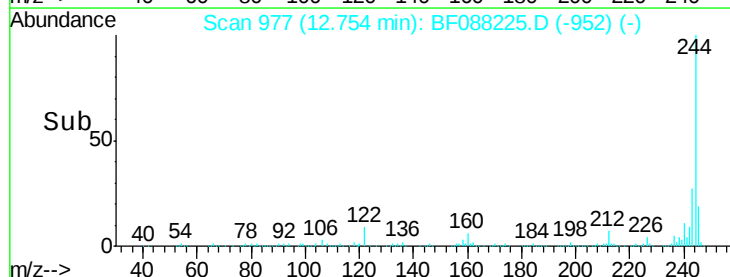
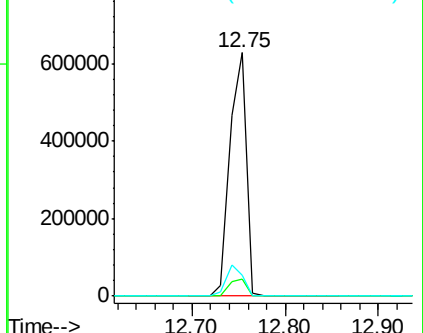
122 8.5 11.2 16.8#

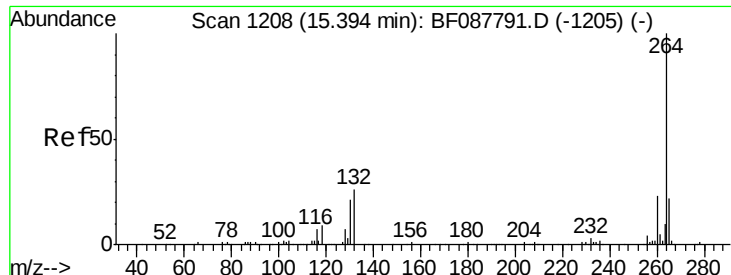


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

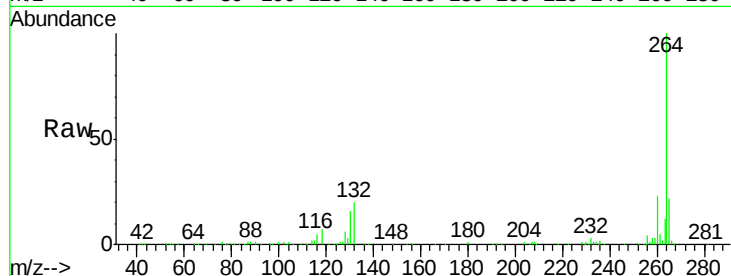




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.17 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF088225.D
Acq: 21 Jun 2016 21:13

Instrument :
BNA_F
ClientSampleId :
PB91462BL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.7	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

