

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061116\
 Data File : BF087920.D
 Acq On : 11 Jun 2016 23:58
 Operator : UM/SJ
 Sample : H3362-09
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP16-JMW0961

Quant Time: Jun 12 05:34:01 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	6.80	152	152049	20.00	ng	-0.05
21) Naphthalene-d8	8.09	136	653179	20.00	ng	-0.03
38) Acenaphthene-d10	9.84	164	303894	20.00	ng	-0.05
63) Phenanthrene-d10	11.32	188	606720	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	509396	20.00	ng	-0.03
86) Perylene-d12	15.37	264	418342	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	479403	53.90	ng	-0.03
7) Phenol-d6	6.43	99	375335	34.82	ng	-0.05
23) Nitrobenzene-d5	7.37	82	791919	70.80	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	342327	106.68	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	1501968	77.13	ng	-0.03
78) Terphenyl-d14	12.91	244	1322369	59.07	ng	-0.03

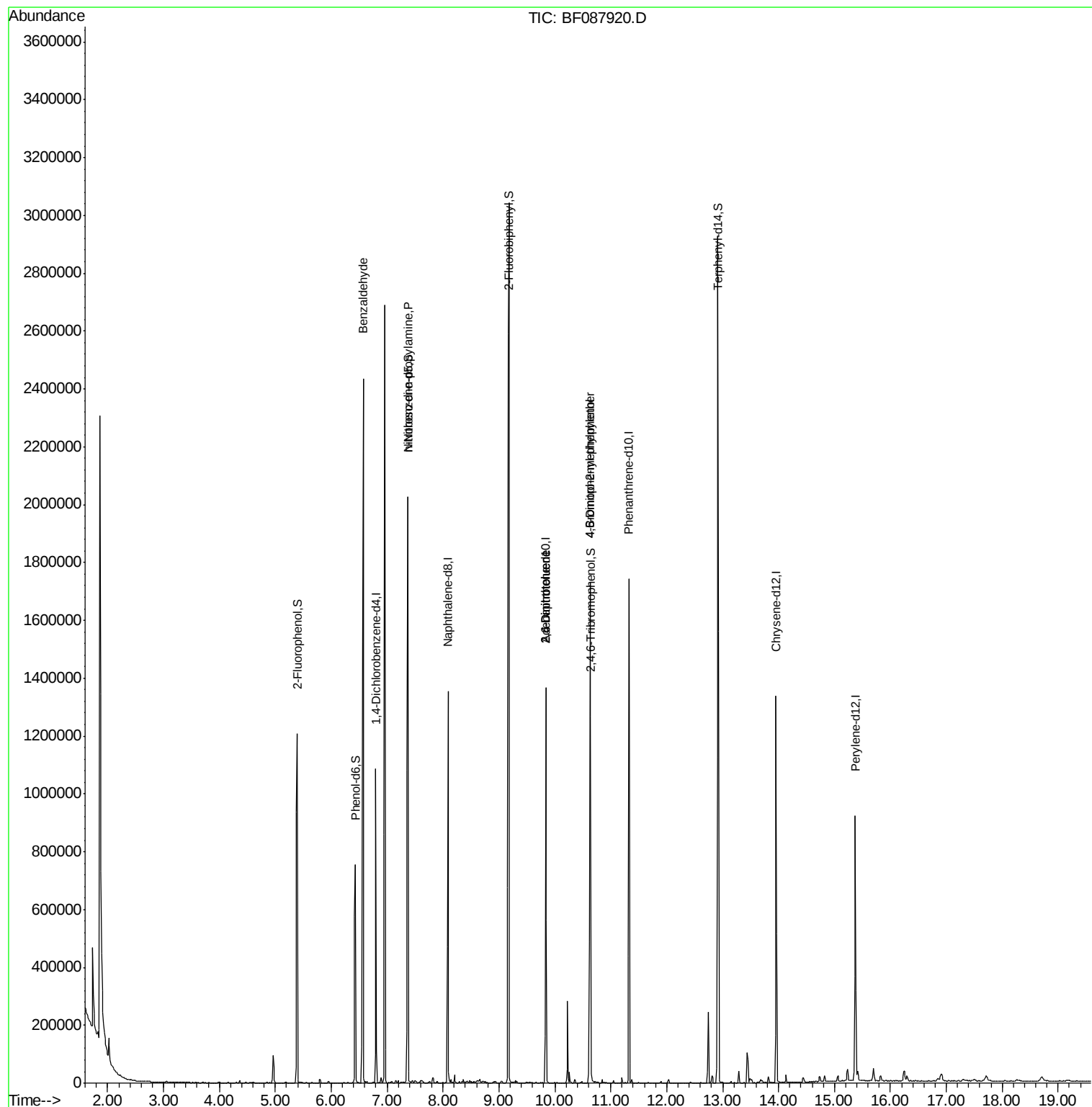
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	18325	2.49	ng	# 76
10) Phenol	6.44	94	211	Below	Cal	# 44
19) n-Nitroso-di-n-propylamine	7.37	70	106597	15.46	ng	# 71
45) 1,1'-Biphenyl	9.18	154	2997	Below	Cal	# 1
50) 2,6-Dinitrotoluene	9.84	165	39671	7.87	ng	# 40
56) 2,4-Dinitrotoluene	9.84	165	39663	6.12	ng	# 38
57) Fluorene	10.39	166	466	Below	Cal	# 93
64) 4,6-Dinitro-2-methylphenol	10.63	198	616	2.32	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	21509	3.30	ng	# 1

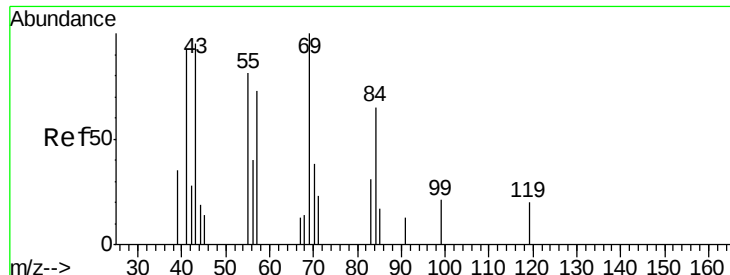
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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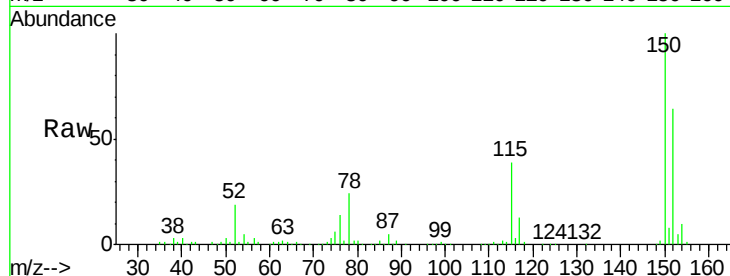




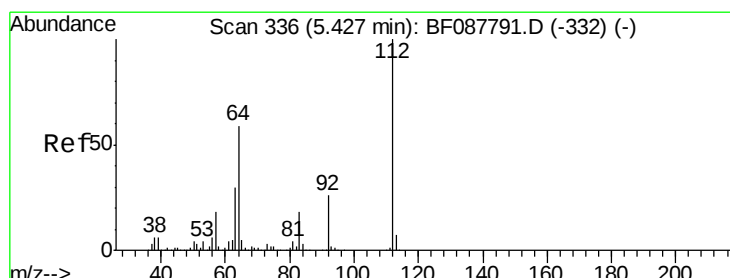
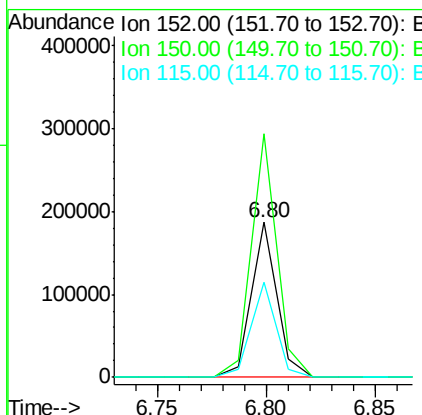
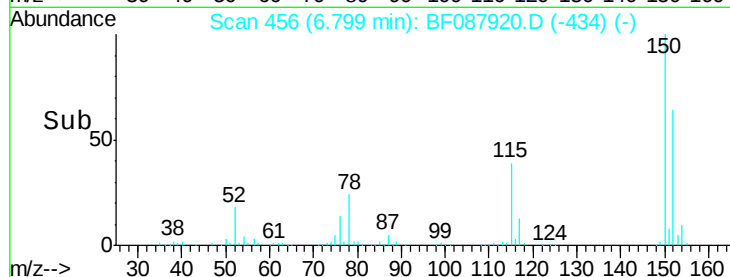
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 456
 Delta R.T. -0.05 min
 Lab File: BF087920.D
 Acq: 11 Jun 2016 23:58

Instrument :
 BNA_F
 ClientSampleId :
 SP16-JMW0961

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	123.8	185.6
115	61.4	39.6	59.4

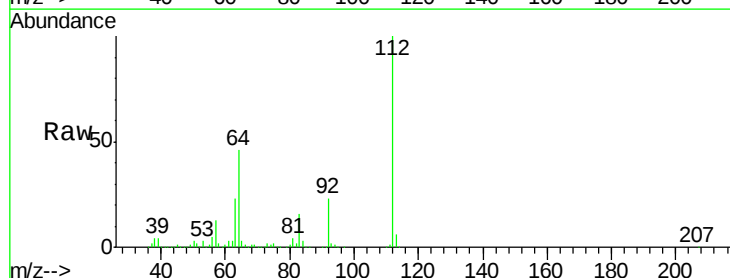


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

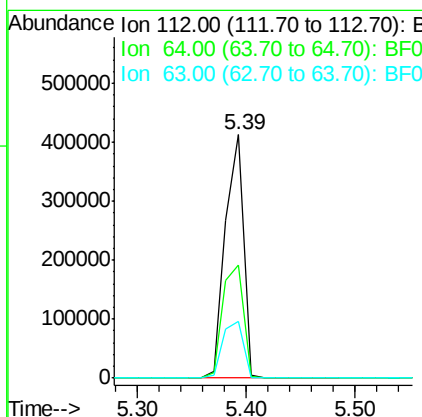
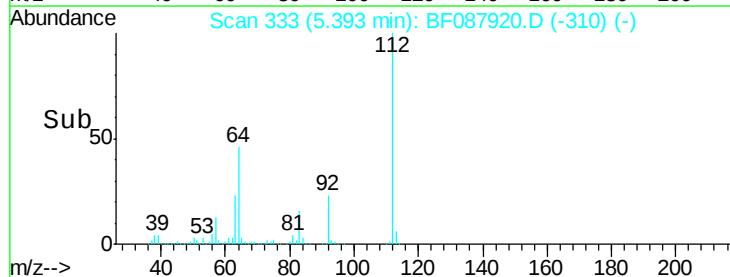


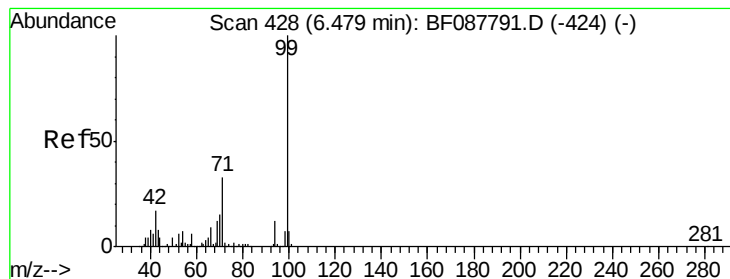
#5
 2-Fluorophenol
 Concen: 53.90 ng
 RT: 5.39 min Scan# 333
 Delta R.T. -0.03 min
 Lab File: BF087920.D
 Acq: 11 Jun 2016 23:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	46.4	42.2	63.2
63	23.2	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: 34.82 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.05 min

Lab File: BF087920.D

Acq: 11 Jun 2016 23:58

Instrument :

BNA_F

ClientSampleId :

SP16-JMW0961

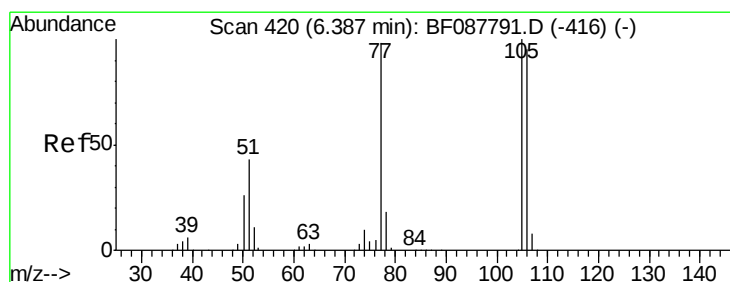
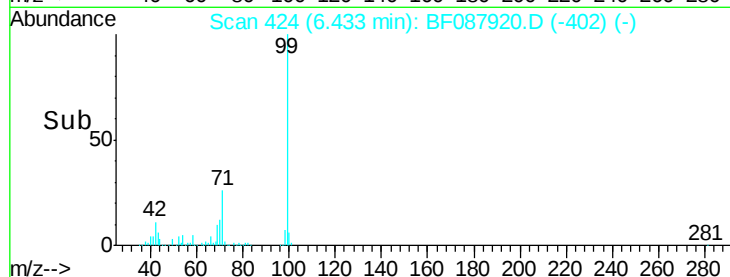
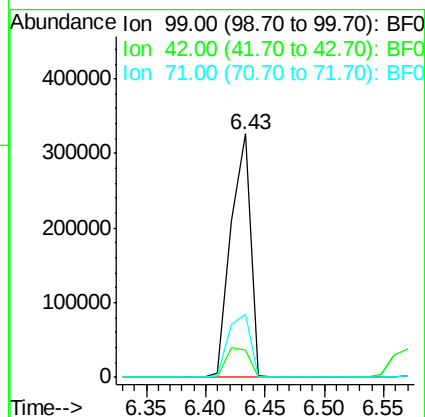
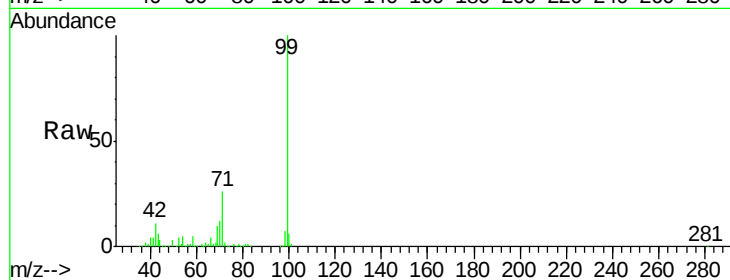
Tot Ion: 99 Resp: 375335

Ion Ratio Lower Upper

99 100

42 11.0 12.2 18.2#

71 26.1 23.4 35.0



#9

Benzaldehyde

Concen: 2.49 ng

RT: 6.57 min Scan# 436

Delta R.T. 0.18 min

Lab File: BF087920.D

Acq: 11 Jun 2016 23:58

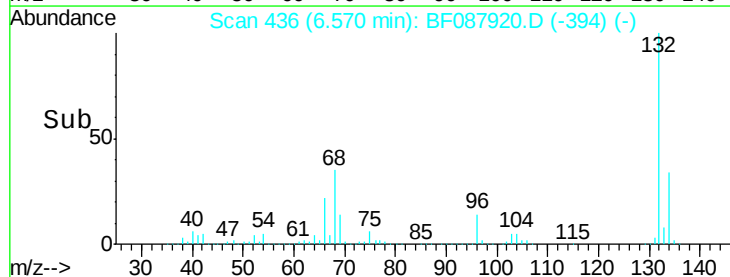
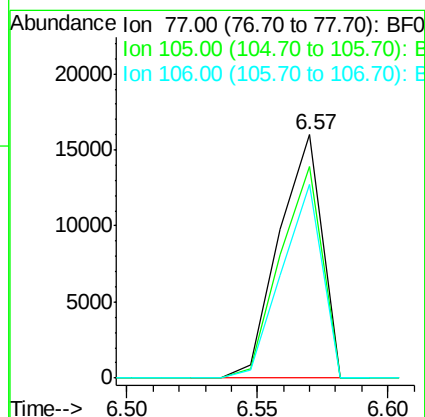
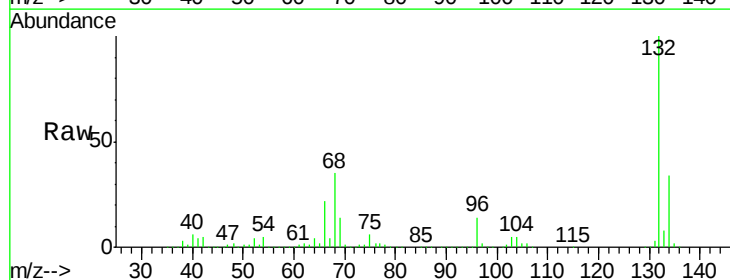
Tgt Ion: 77 Resp: 18325

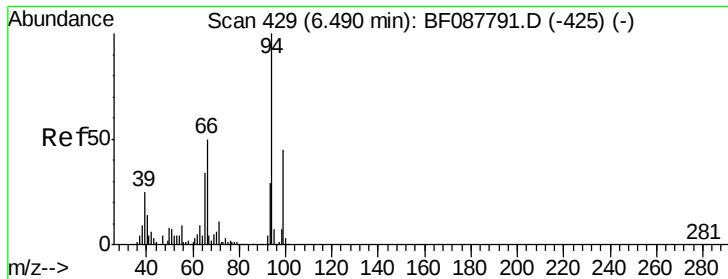
Ion Ratio Lower Upper

77 100

105 86.9 90.6 130.6#

106 79.6 85.3 125.3#





#10

Phenol

Concen: Below Cal

RT: 6.44 min Scan# 425

Delta R.T. -0.05 min

Lab File: BF087920.D

Acq: 11 Jun 2016 23:58

Instrument :

BNA_F

ClientSampleId :

SP16-JMW0961

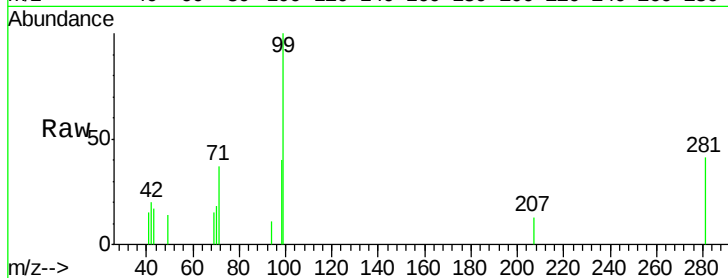
Tot Ion: 94 Resp: 211

Ion Ratio Lower Upper

94 100

65 0.0 5.9 45.9#

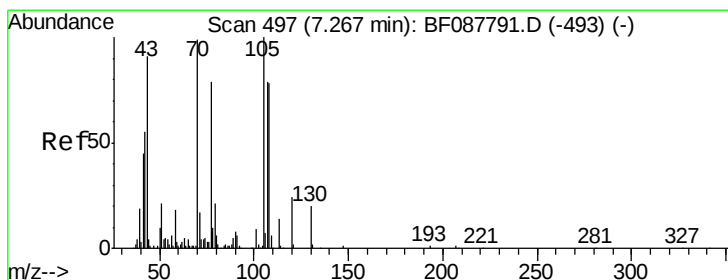
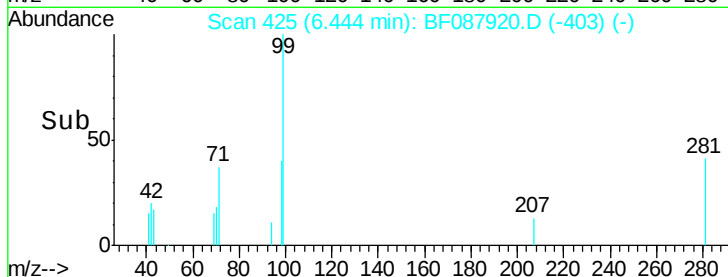
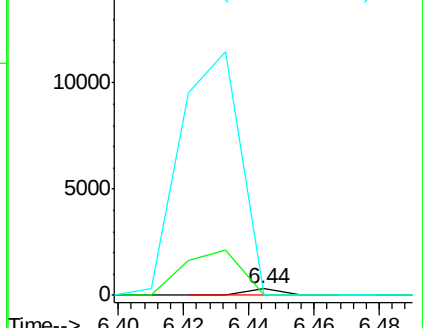
66 0.0 14.0 54.0#



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: 15.46 ng

RT: 7.37 min Scan# 506

Delta R.T. 0.10 min

Lab File: BF087920.D

Acq: 11 Jun 2016 23:58

Tgt Ion: 70 Resp: 106597

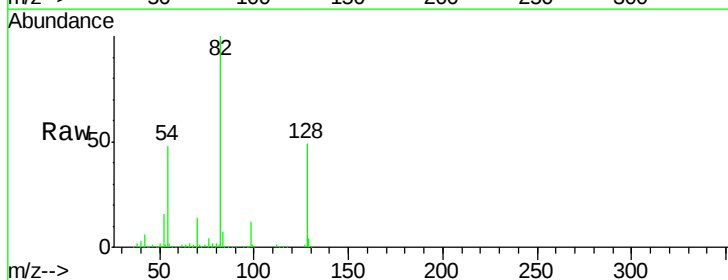
Ion Ratio Lower Upper

70 100

42 41.6 49.6 74.4#

101 0.0 7.1 10.7#

130 2.5 15.4 23.2#

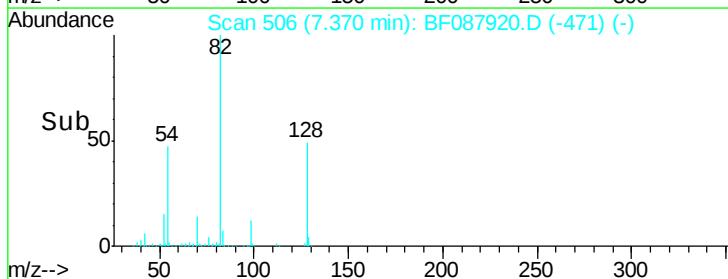
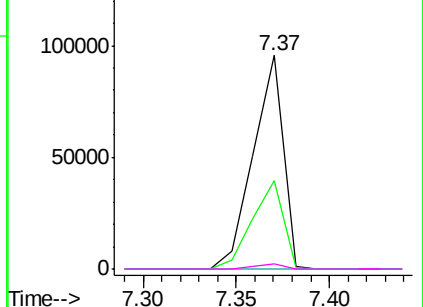


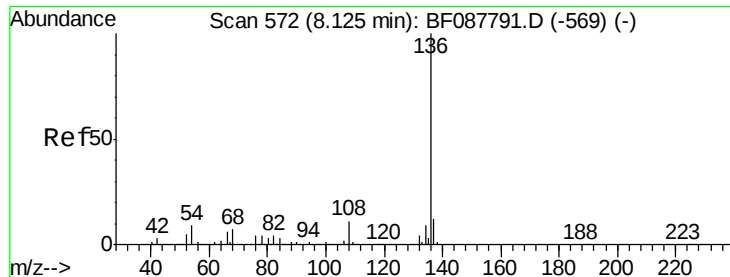
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.09 min Scan# 569

Delta R.T. -0.03 min

Lab File: BF087920.D

Acq: 11 Jun 2016 23:58

Instrument :

BNA_F

ClientSampleId :

SP16-JMW0961

Tot Ion:136 Resp: 653179

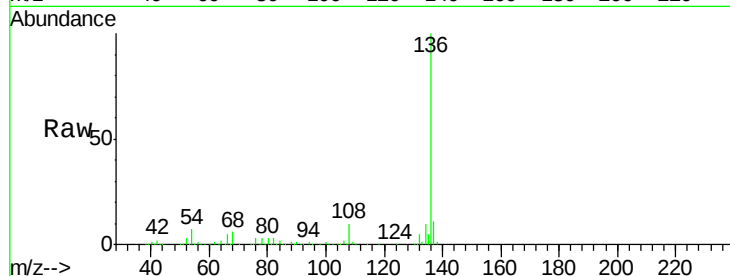
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 6.6 6.6 10.0#

68 5.6 5.1 7.7

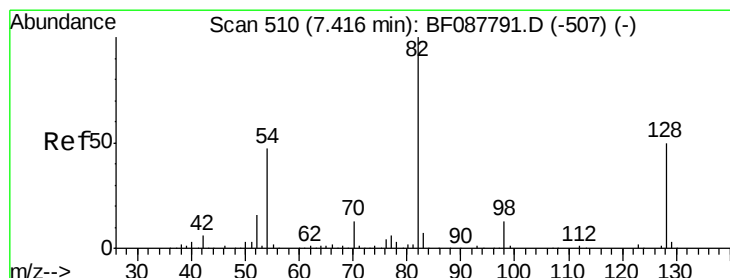
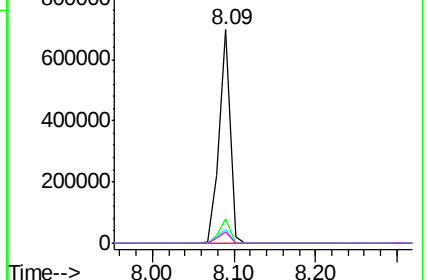
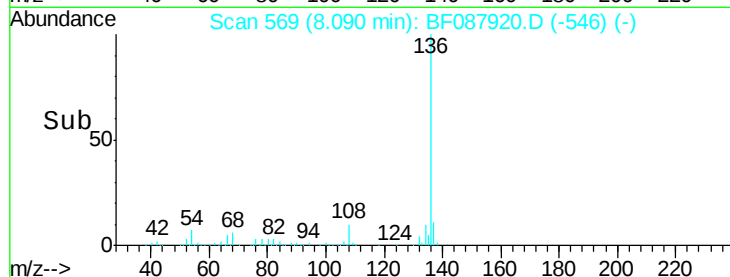


Abundance Ion 136.00 (135.70 to 136.70): E

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: 70.80 ng

RT: 7.37 min Scan# 506

Delta R.T. -0.05 min

Lab File: BF087920.D

Acq: 11 Jun 2016 23:58

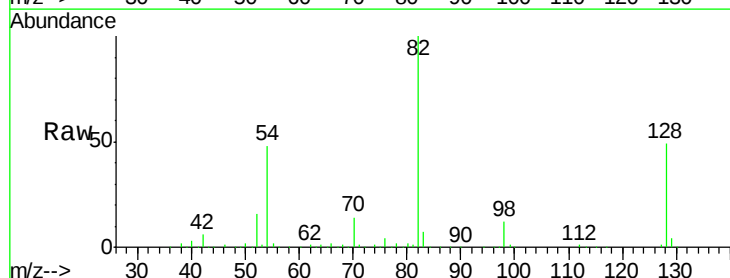
Tgt Ion: 82 Resp: 791919

Ion Ratio Lower Upper

82 100

128 49.0 35.9 53.9

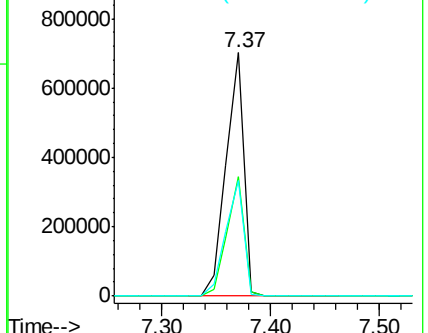
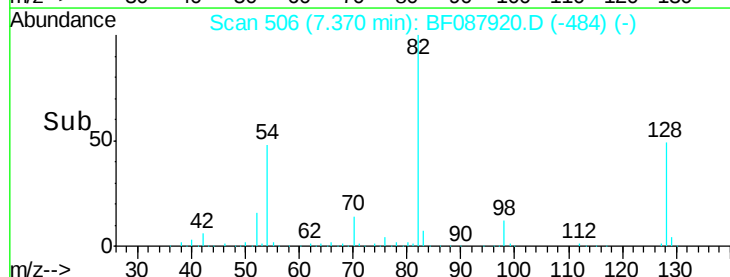
54 47.6 40.9 61.3

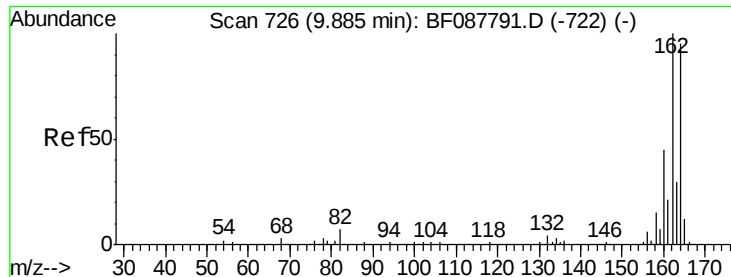


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.84 min Scan# 722

Delta R.T. -0.05 min

Lab File: BF087920.D

Acq: 11 Jun 2016 23:58

Instrument :

BNA_F

ClientSampleId :

SP16-JMW0961

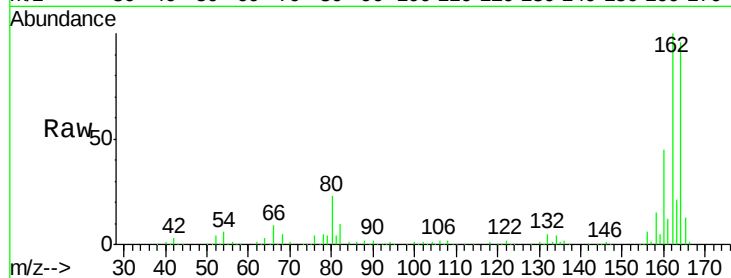
Tot Ion:164 Resp: 303894

Ion Ratio Lower Upper

164 100

162 104.6 85.4 128.2

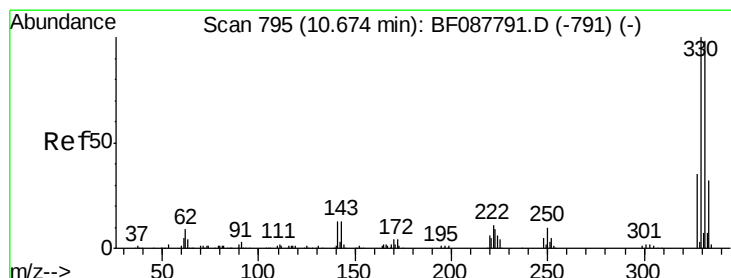
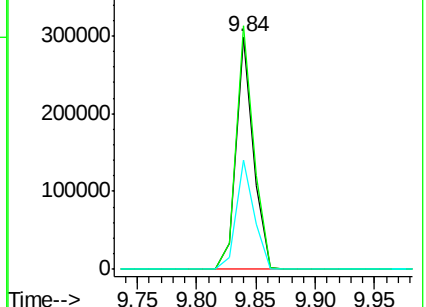
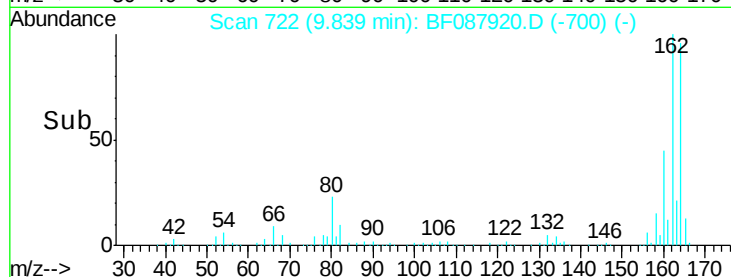
160 47.2 39.5 59.3



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: 106.68 ng

RT: 10.64 min Scan# 792

Delta R.T. -0.03 min

Lab File: BF087920.D

Acq: 11 Jun 2016 23:58

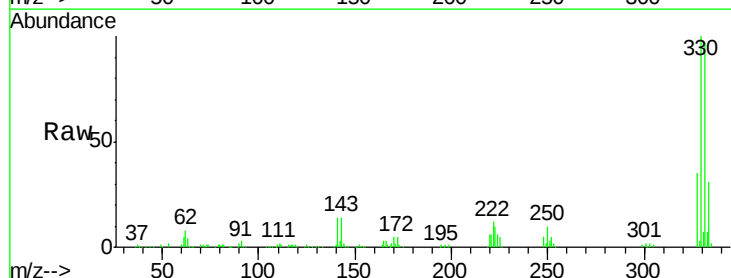
Tgt Ion:330 Resp: 342327

Ion Ratio Lower Upper

330 100

332 96.4 0.0 0.0#

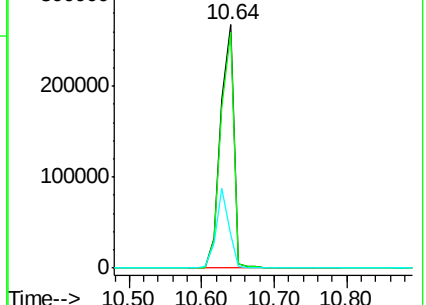
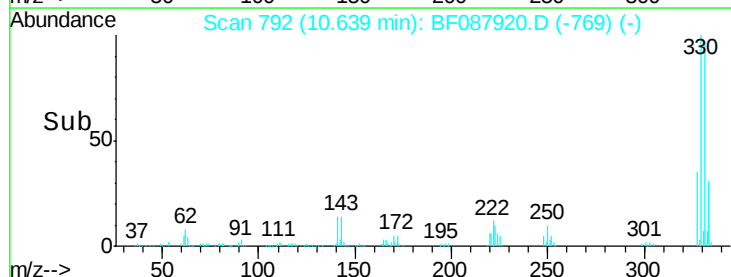
141 31.5 0.0 0.0#

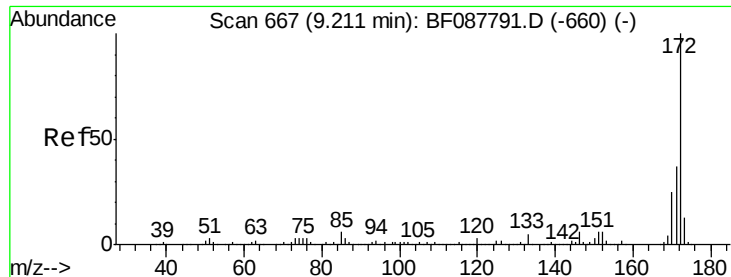


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

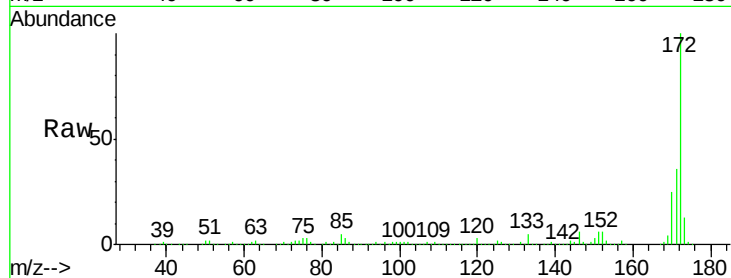




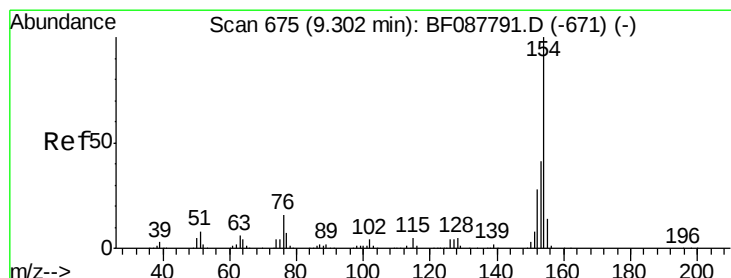
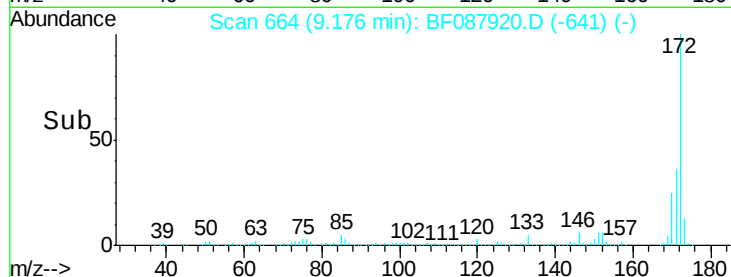
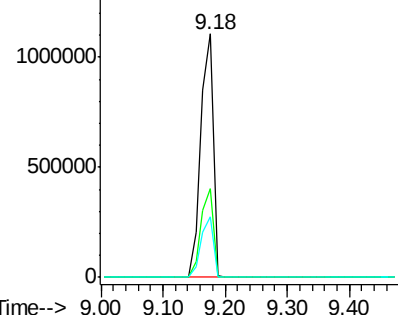
#44
2-Fluorobiphenyl
Concen: 77.13 na
RT: 9.18 min Scan# 664
Delta R.T. -0.03 min
Lab File: BF087920.D
Acq: 11 Jun 2016 23:58

Instrument :
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Tot Ion:172 Resp: 1501968
Ion Ratio Lower Upper
172 100
171 36.5 28.6 43.0
170 24.7 19.2 28.8

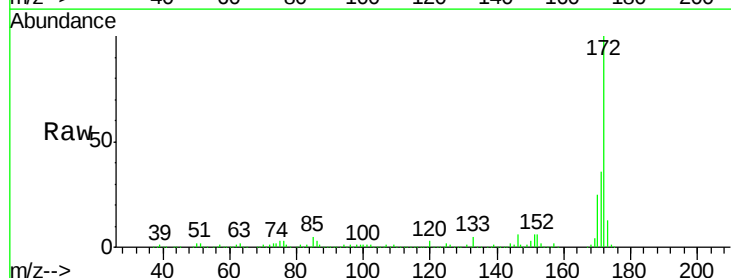


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

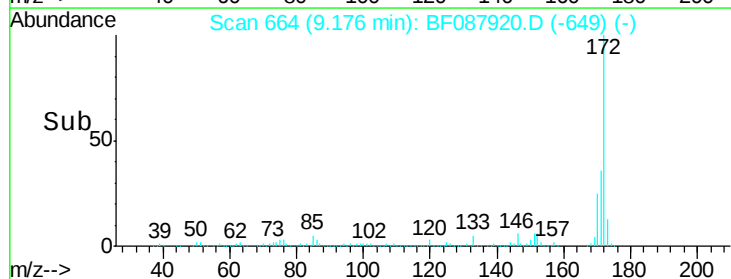
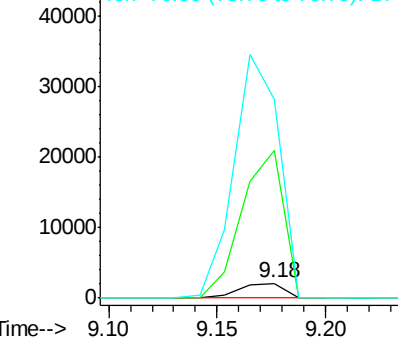


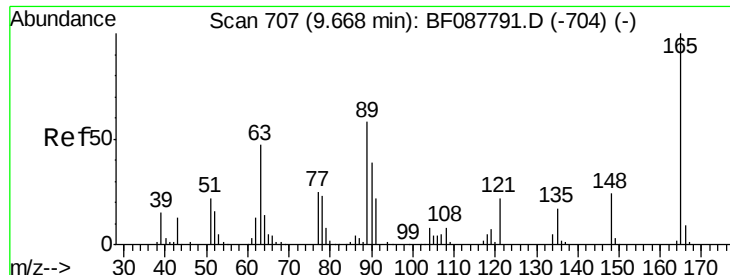
#45
1,1'-Biphenyl
Concen: Below Cal
RT: 9.18 min Scan# 664
Delta R.T. -0.12 min
Lab File: BF087920.D
Acq: 11 Jun 2016 23:58

Tgt Ion:154 Resp: 2997
Ion Ratio Lower Upper
154 100
153 972.2 20.6 60.6#
76 1311.8 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

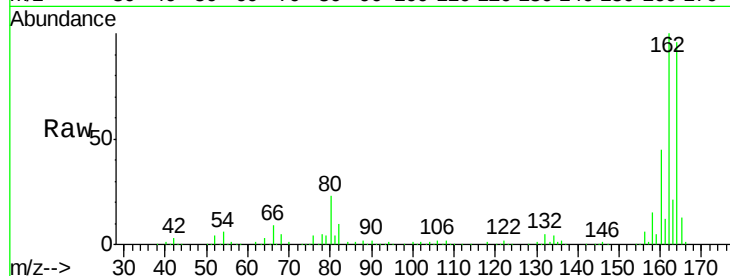




#50
 2,6-Dinitrotoluene
 Concen: 7.87 ng
 RT: 9.84 min Scan# 722
 Delta R.T. 0.17 min
 Lab File: BF087920.D
 Acq: 11 Jun 2016 23:58

Instrument :
 BNA_F
 ClientSampleId :
 SP16-JMW0961

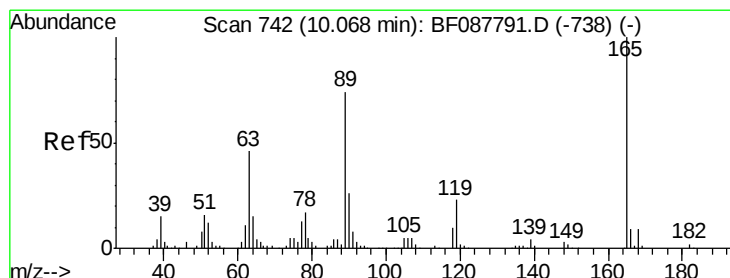
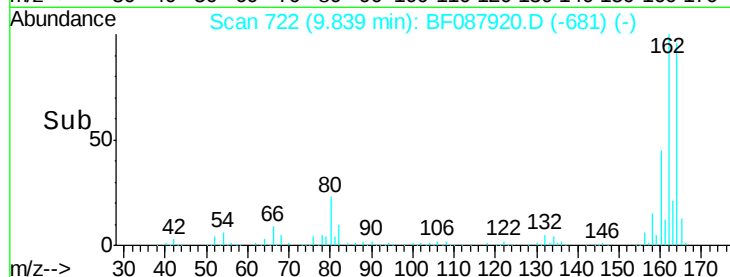
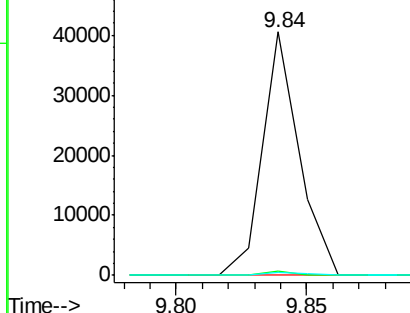
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	28.1	42.1#
89	1.3	32.2	48.2#



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: 6.12 ng
 RT: 9.84 min Scan# 722
 Delta R.T. -0.23 min
 Lab File: BF087920.D
 Acq: 11 Jun 2016 23:58

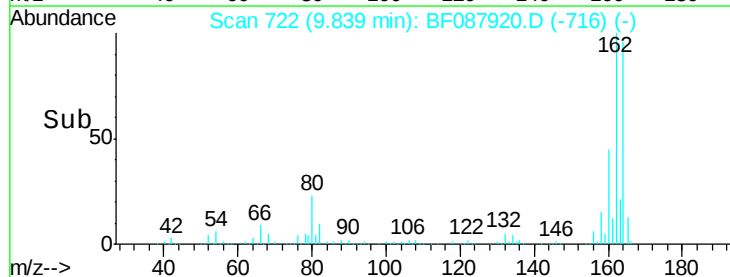
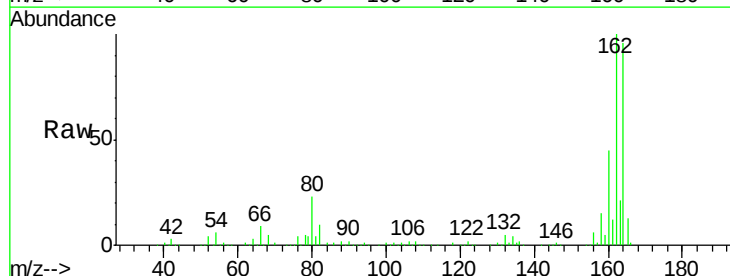
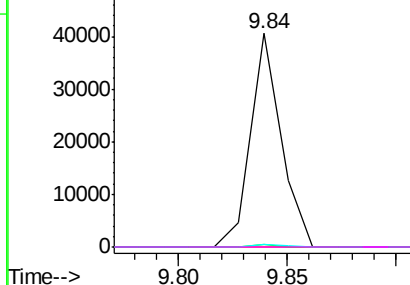
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	22.0	33.0#
89	1.3	41.1	61.7#
182	0.0	2.0	3.0#

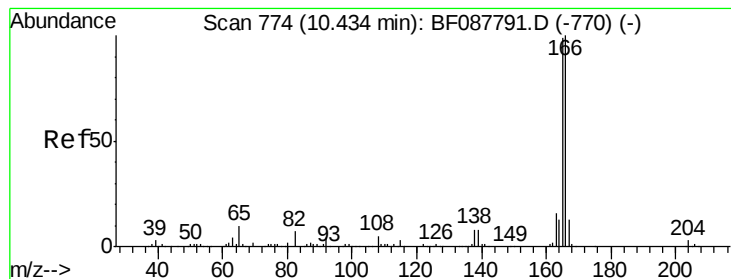
Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.39 min Scan# 770

Delta R.T. -0.05 min

Lab File: BF087920.D

Acq: 11 Jun 2016 23:58

Instrument :

BNA_F

ClientSampleId :

SP16-JMW0961

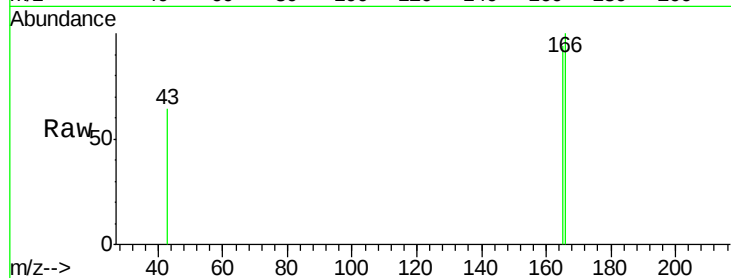
Tot Ion:166 Resp: 466

Ion Ratio Lower Upper

166 100

165 93.8 77.8 116.8

167 0.0 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

10.39

800

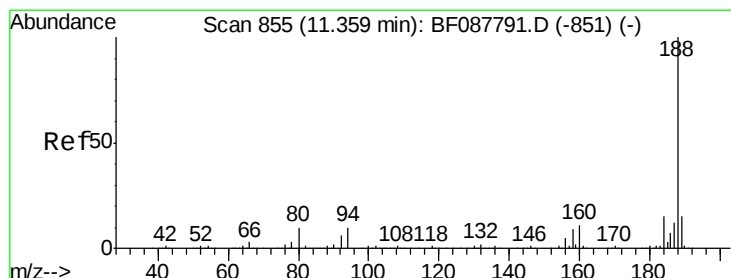
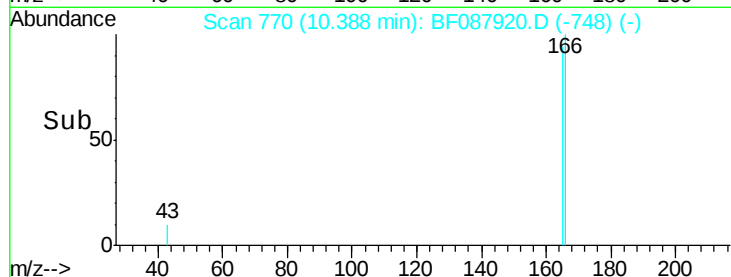
600

400

200

0

Time--> 10.35 10.40



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 852

Delta R.T. -0.03 min

Lab File: BF087920.D

Acq: 11 Jun 2016 23:58

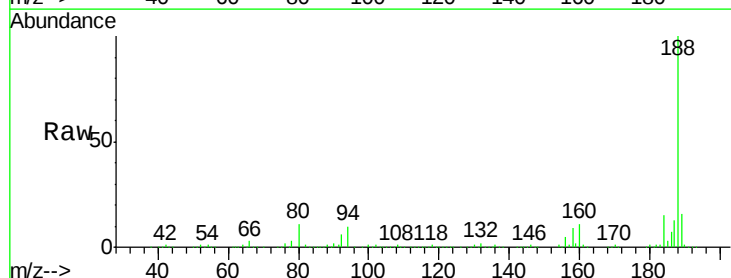
Tgt Ion:188 Resp: 606720

Ion Ratio Lower Upper

188 100

94 10.3 9.0 13.6

80 10.6 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

11.32

800000

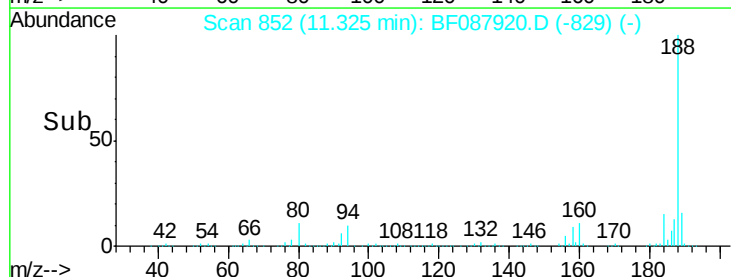
600000

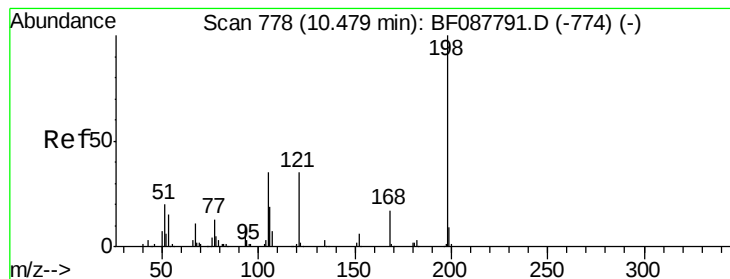
400000

200000

0

Time--> 11.25 11.30 11.35





#64

4,6-Dinitro-2-methylphenol

Concen: 2.32 ng

RT: 10.63 min Scan# 791

Delta R.T. 0.15 min

Lab File: BF087920.D

Acq: 11 Jun 2016 23:58

Instrument :

BNA_F

ClientSampleId :

SP16-JMW0961

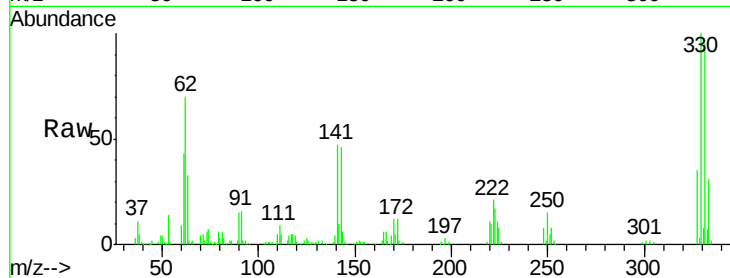
Tot Ion:198 Resp: 616

Ion Ratio Lower Upper

198 100

51 226.6 39.6 79.6#

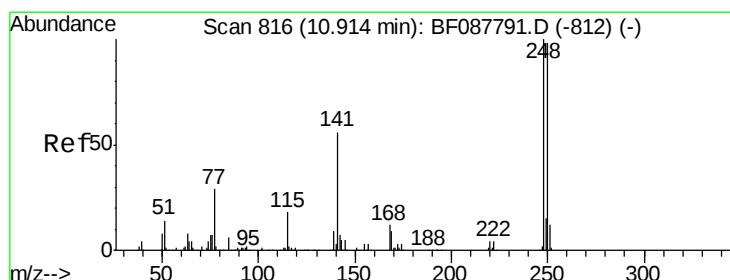
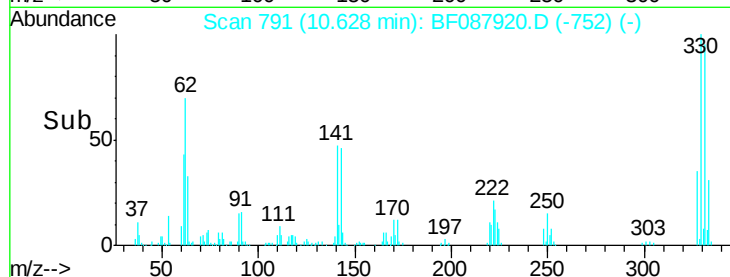
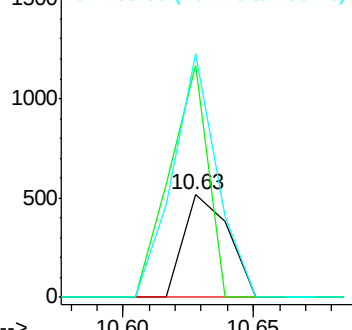
105 237.4 36.6 76.6#



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: 3.30 ng

RT: 10.63 min Scan# 791

Delta R.T. -0.29 min

Lab File: BF087920.D

Acq: 11 Jun 2016 23:58

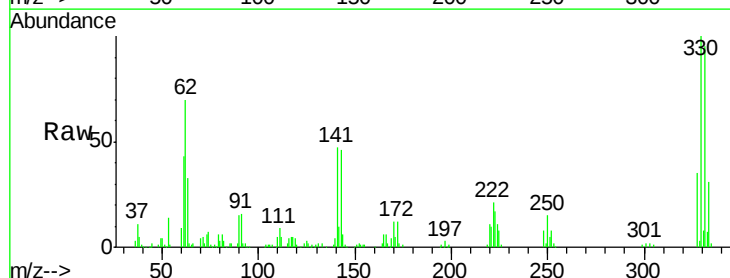
Tgt Ion:248 Resp: 21509

Ion Ratio Lower Upper

248 100

250 189.9 77.1 115.7#

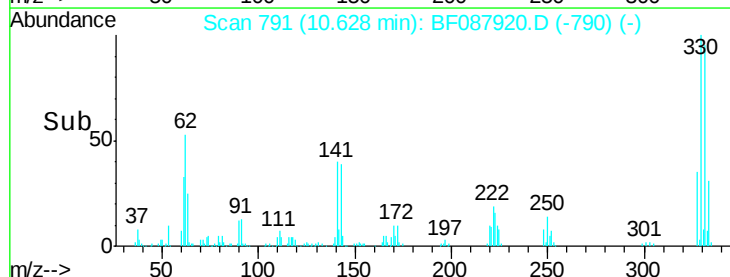
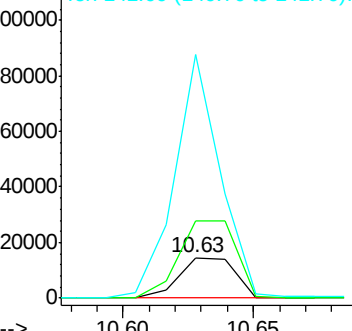
141 603.2 50.6 76.0#

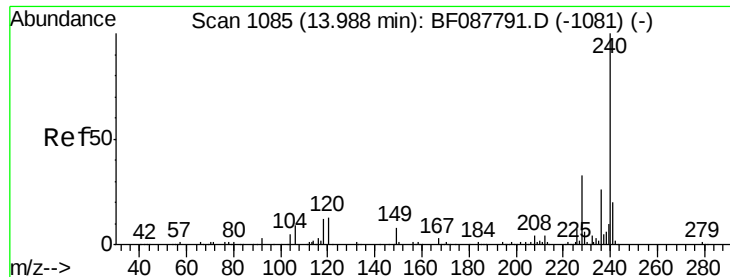


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF087920.D

Acq: 11 Jun 2016 23:58

Instrument :

BNA_F

ClientSampleId :

SP16-JMW0961

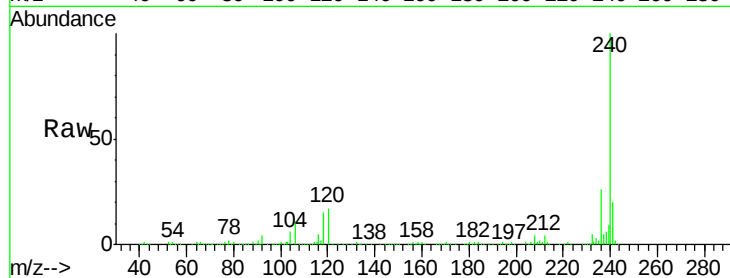
Tot Ion:240 Resp: 509396

Ion Ratio Lower Upper

240 100

120 16.8 6.8 10.2#

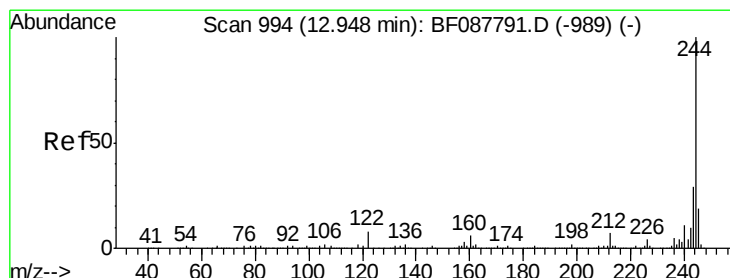
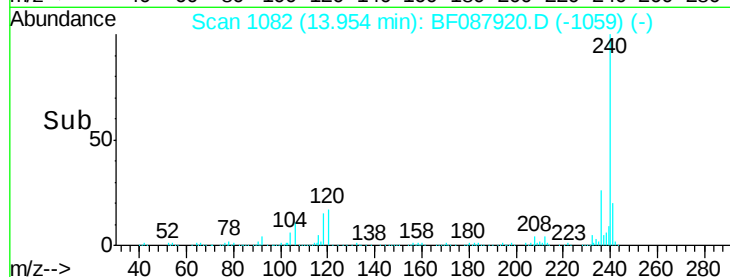
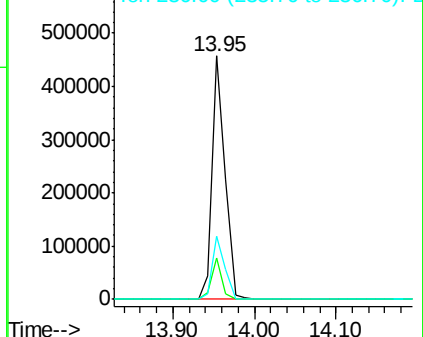
236 25.9 20.2 30.2



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



#78

Terphenyl-d14

Concen: 59.07 ng

RT: 12.91 min Scan# 991

Delta R.T. -0.03 min

Lab File: BF087920.D

Acq: 11 Jun 2016 23:58

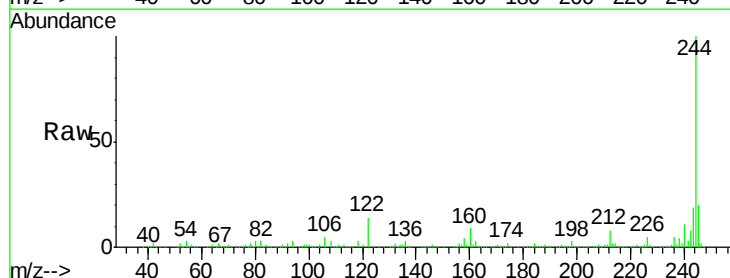
Tgt Ion:244 Resp: 1322369

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

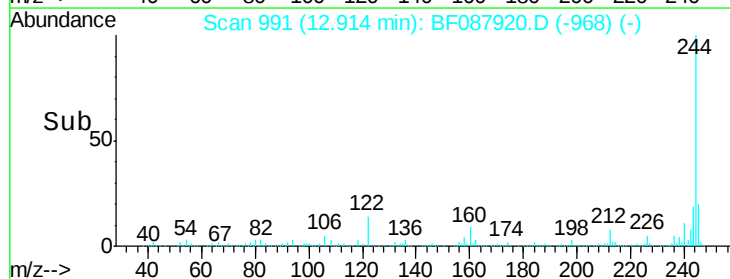
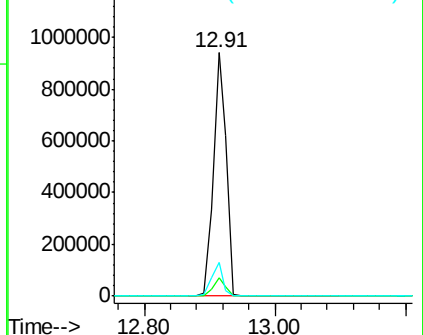
122 13.8 11.2 16.8

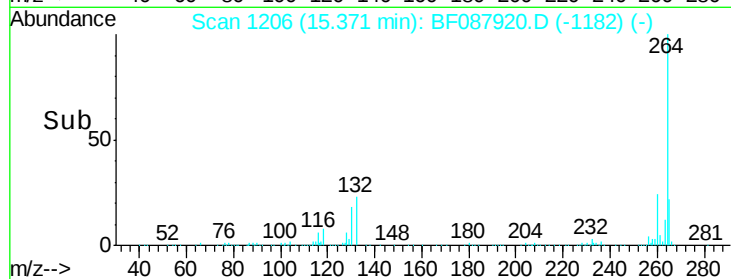
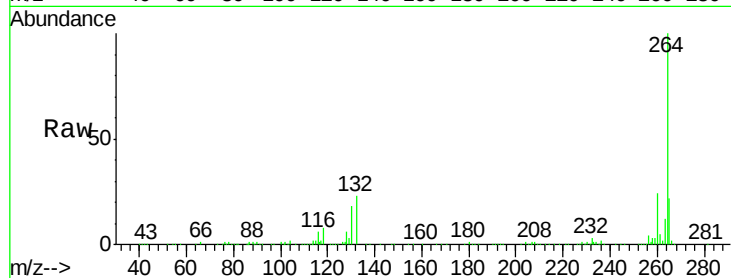
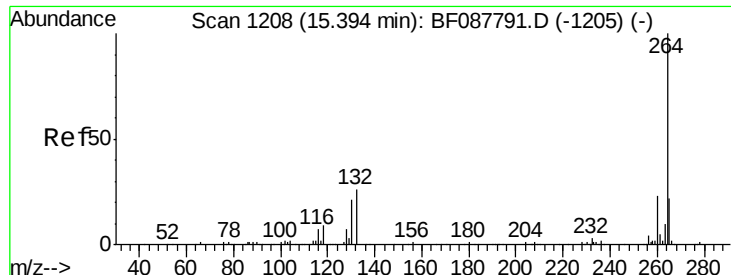


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1206
Delta R.T. -0.02 min
Lab File: BF087920.D
Acq: 11 Jun 2016 23:58

Instrument :
BNA_F
ClientSampleId :
SP16-JMW0961

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.9	16.9	25.3

