

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061116\
 Data File : BF087936.D
 Acq On : 12 Jun 2016 8:46
 Operator : UM/SJ
 Sample : H3504-04
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-4

Quant Time: Jun 13 01:14:12 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 01:05:20 2016
 Response via : Initial Calibration

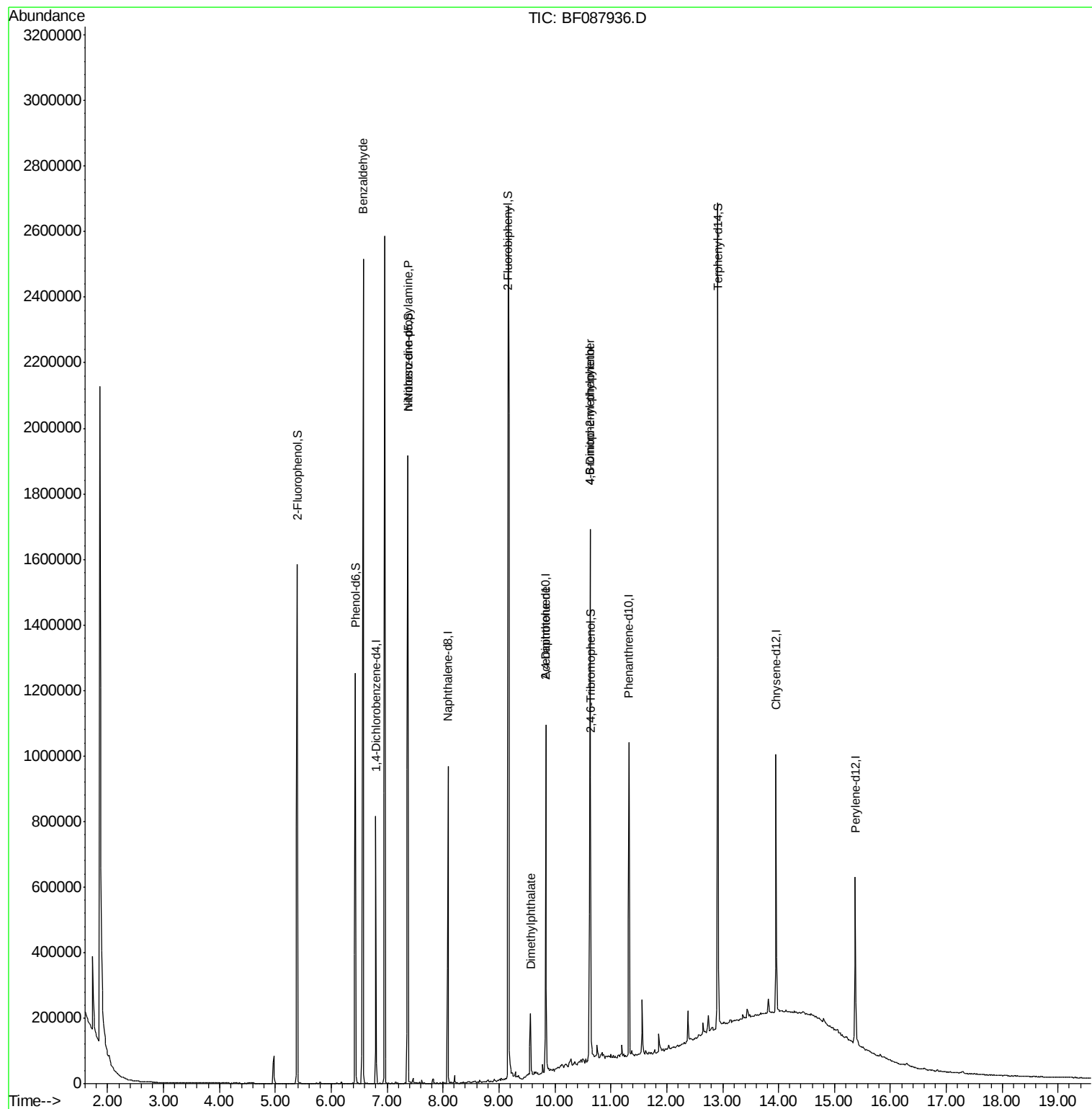
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	116184	20.00	ng	-0.05
21) Naphthalene-d8	8.09	136	480022	20.00	ng	-0.03
38) Acenaphthene-d10	9.84	164	219055	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	392476	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	268282	20.00	ng	-0.03
86) Perylene-d12	15.37	264	230182	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	511450	75.26	ng	-0.03
7) Phenol-d6	6.43	99	452196	54.90	ng	-0.05
23) Nitrobenzene-d5	7.37	82	738367	89.82	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	293726	126.99	ng	-0.03
44) 2-Fluorobiphenyl	9.16	172	1336338	96.59	ng	-0.05
78) Terphenyl-d14	12.91	244	893288	75.77	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	6.57	77	18492	3.09	ng	# 73
10) Phenol	6.44	94	1457	Below	Cal	85
19) n-Nitroso-di-n-propylamine	7.37	70	98877	18.77	ng	# 72
45) 1,1'-Biphenyl	9.16	154	2632	Below	Cal	# 1
49) Dimethylphthalate	9.56	163	103079	6.50	ng	98
56) 2,4-Dinitrotoluene	9.84	165	28551	6.11	ng	# 38
57) Fluorene	10.47	166	778	Below	Cal	# 1
64) 4,6-Dinitro-2-methylphenol	10.63	198	360	2.30	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	17209	4.09	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: BF087936.D

Acq: 12 Jun 2016 8:46

Instrument :

BNA_F

ClientSampleId :

MW-4

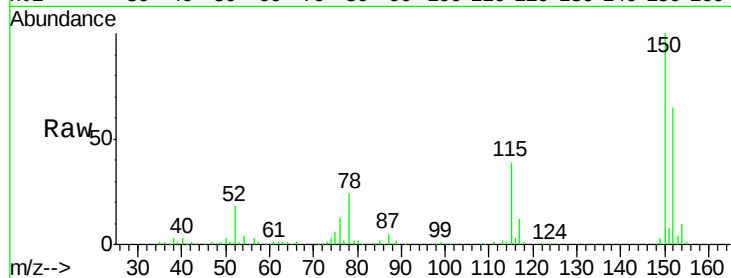
Tgt Ion:152 Resp: 116184

Ion Ratio Lower Upper

152 100

150 154.9 123.8 185.6

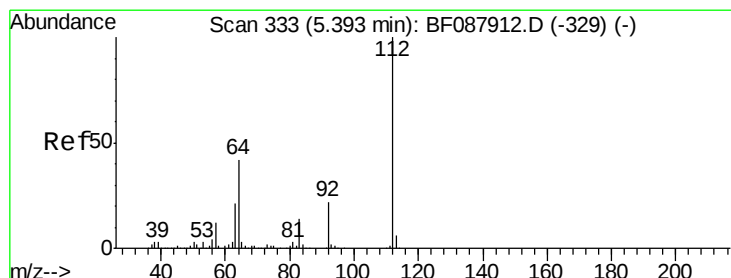
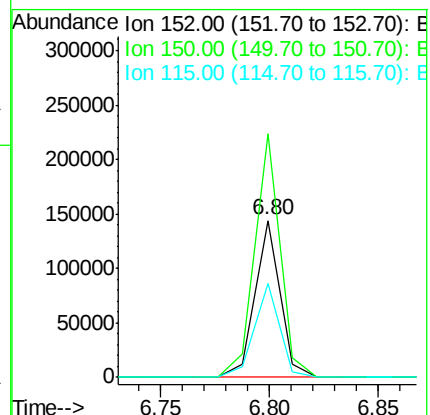
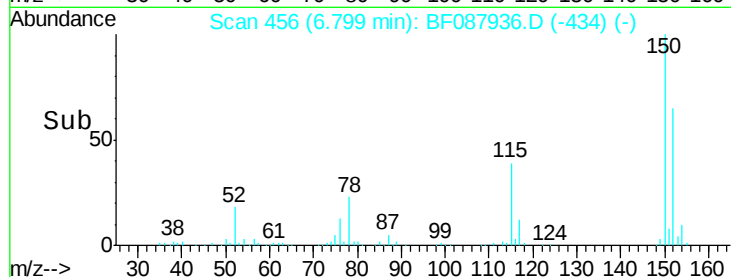
115 59.8 39.6 59.4#



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: 75.26 ng

RT: 5.39 min Scan# 333

Delta R.T. -0.03 min

Lab File: BF087936.D

Acq: 12 Jun 2016 8:46

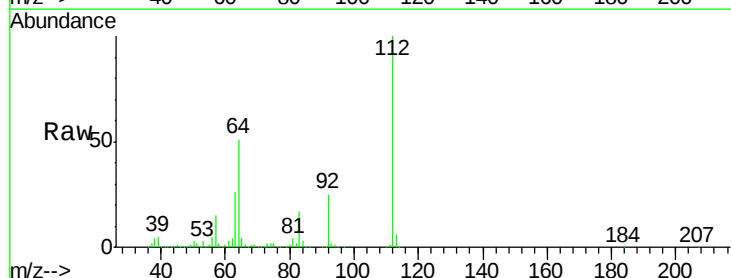
Tgt Ion:112 Resp: 511450

Ion Ratio Lower Upper

112 100

64 51.1 42.2 63.2

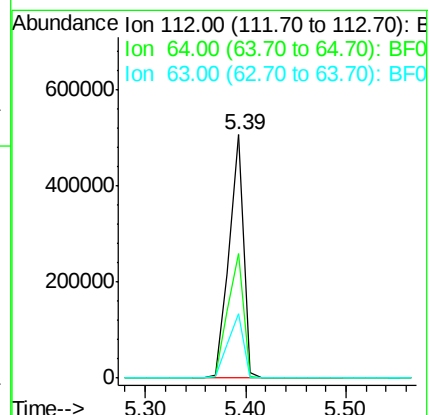
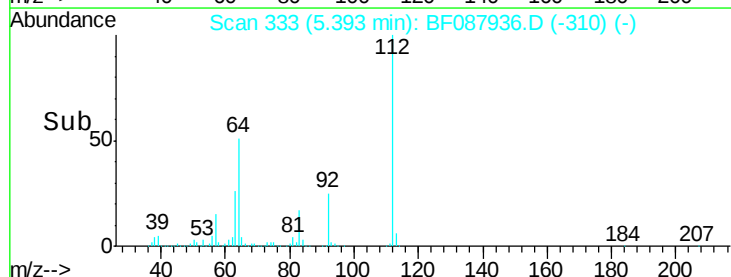
63 26.4 21.8 32.8



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: 54.90 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.05 min

Lab File: BF087936.D

Acq: 12 Jun 2016 8:46

Instrument :

BNA_F

ClientSampleId :

MW-4

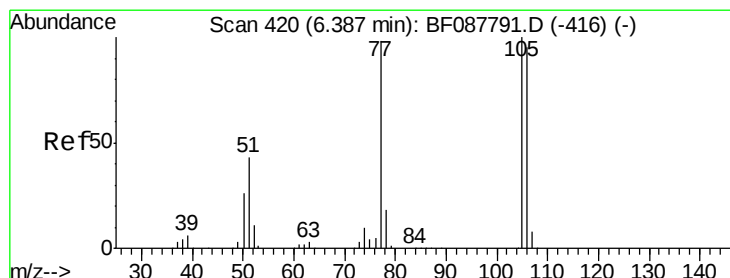
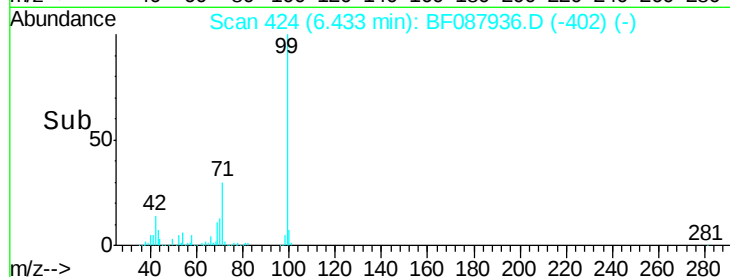
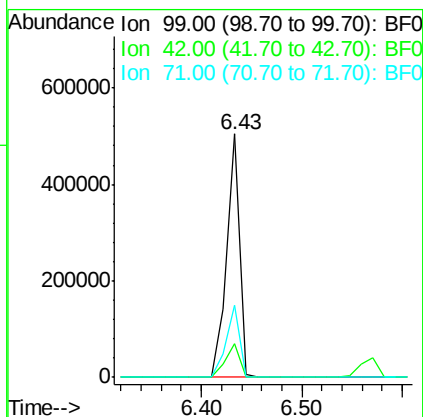
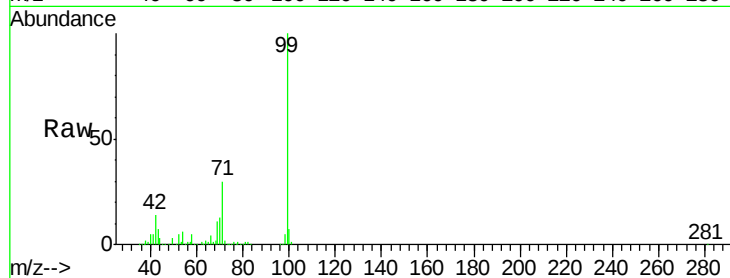
Tgt Ion: 99 Resp: 452196

Ion Ratio Lower Upper

99 100

42 14.1 12.2 18.2

71 29.8 23.4 35.0



#9

Benzaldehyde

Concen: 3.09 ng

RT: 6.57 min Scan# 436

Delta R.T. 0.18 min

Lab File: BF087936.D

Acq: 12 Jun 2016 8:46

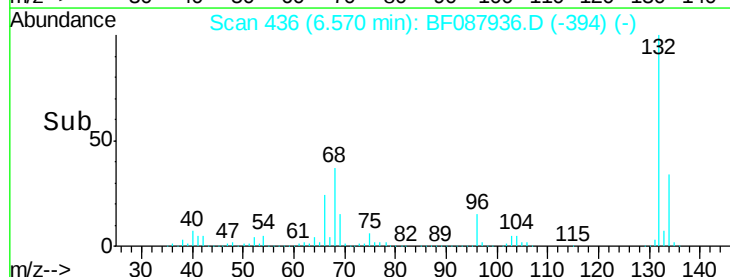
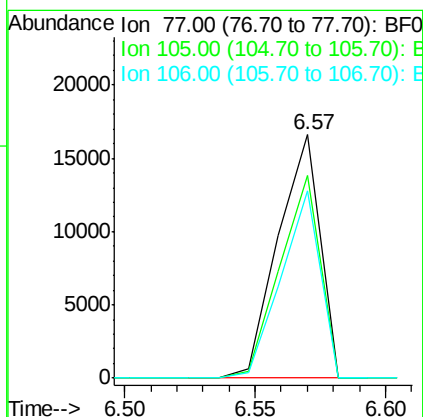
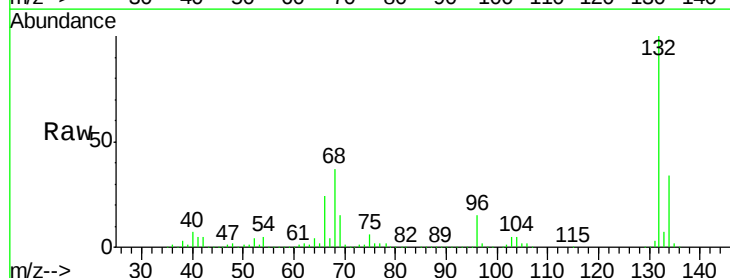
Tgt Ion: 77 Resp: 18492

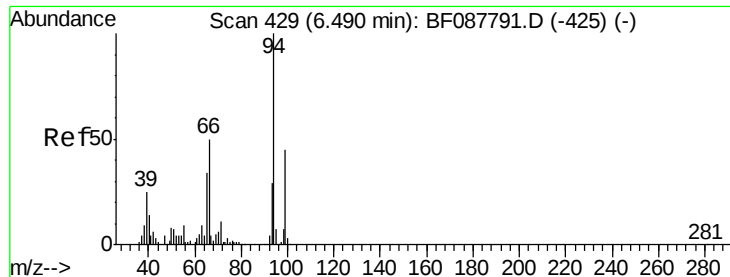
Ion Ratio Lower Upper

77 100

105 83.1 90.6 130.6#

106 76.8 85.3 125.3#





#10

Phenol

Concen: Below Cal

RT: 6.44 min Scan# 425

Delta R.T. -0.05 min

Lab File: BF087936.D

Acq: 12 Jun 2016 8:46

Instrument :

BNA_F

ClientSampled :

MW-4

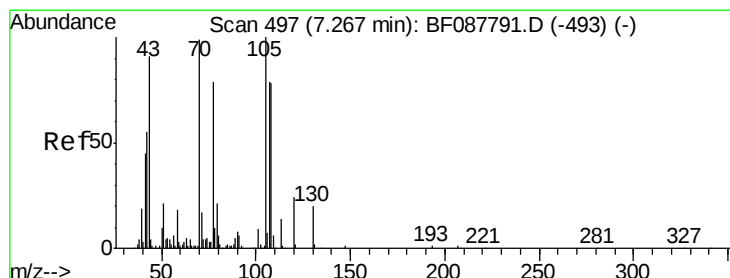
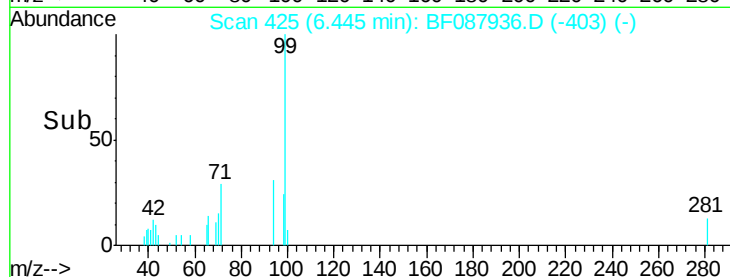
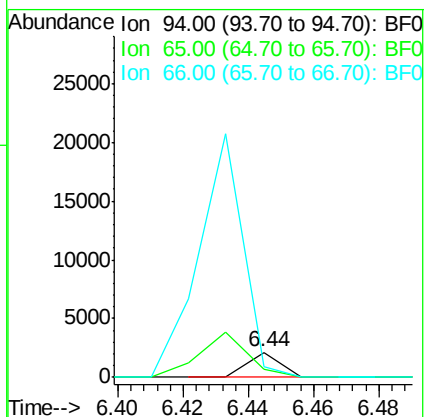
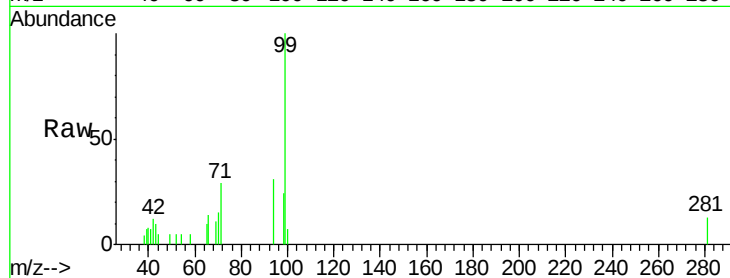
Tgt Ion: 94 Resp: 1457

Ion Ratio Lower Upper

94 100

65 31.5 5.9 45.9

66 44.8 14.0 54.0



#19

n-Nitroso-di-n-propylamine

Concen: 18.77 ng

RT: 7.37 min Scan# 506

Delta R.T. 0.10 min

Lab File: BF087936.D

Acq: 12 Jun 2016 8:46

Tgt Ion: 70 Resp: 98877

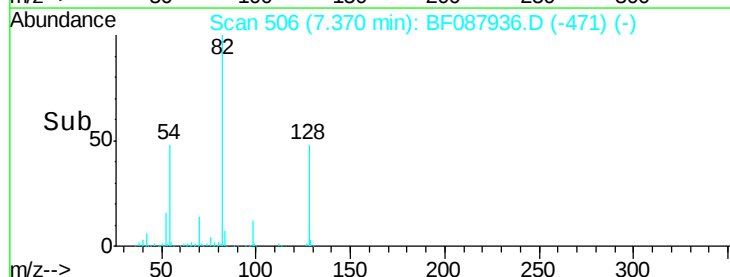
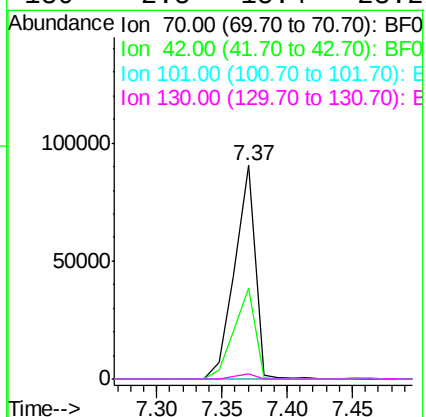
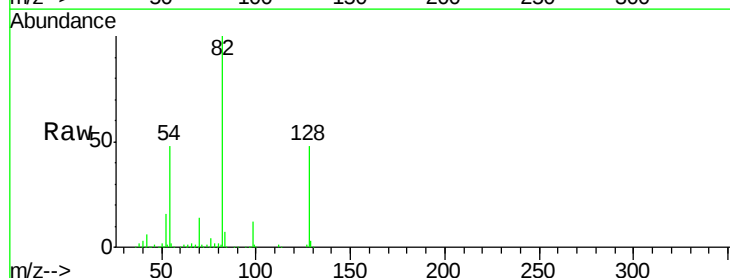
Ion Ratio Lower Upper

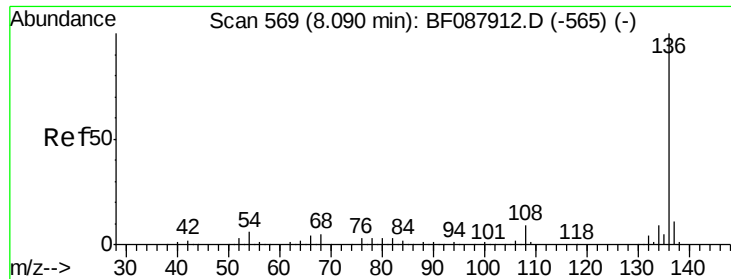
70 100

42 42.5 49.6 74.4#

101 0.0 7.1 10.7#

130 2.5 15.4 23.2#

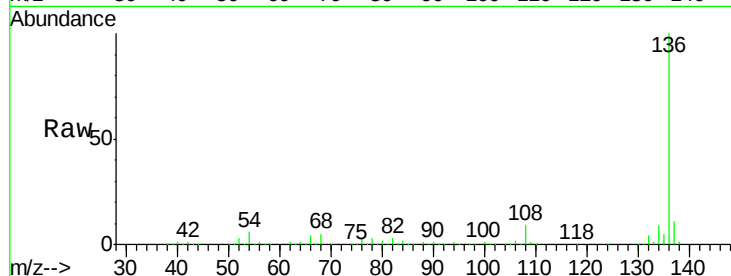




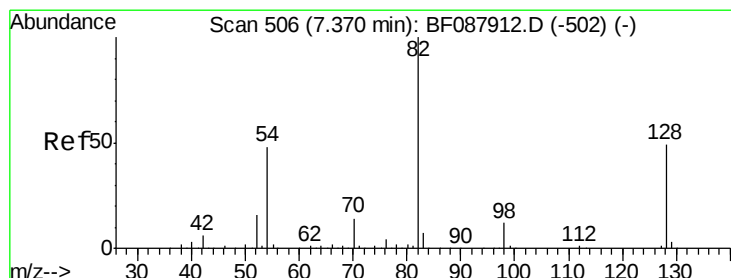
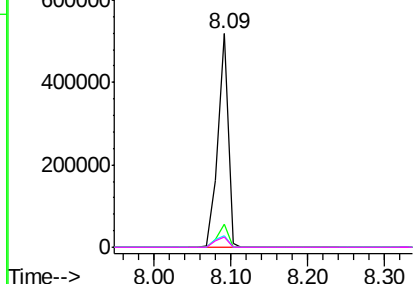
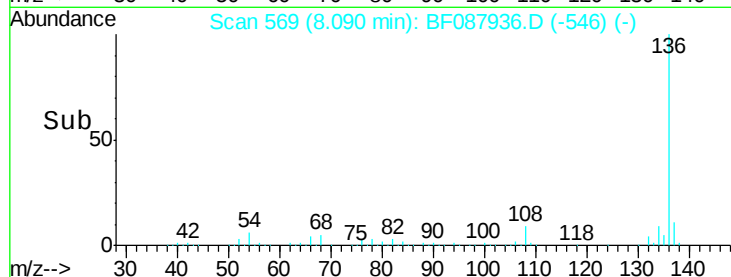
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 569
Delta R.T. -0.03 min
Lab File: BF087936.D
Acq: 12 Jun 2016 8:46

Instrument :
BNA_F
ClientSampleId :
MW-4

Tgt Ion: 136 Resp: 480022
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 5.7 6.6 10.0#
68 4.9 5.1 7.7#

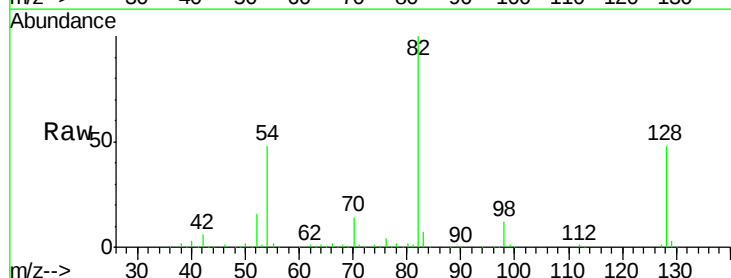


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

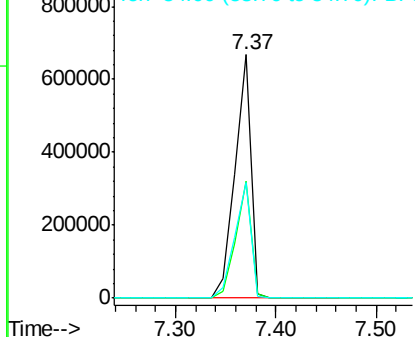
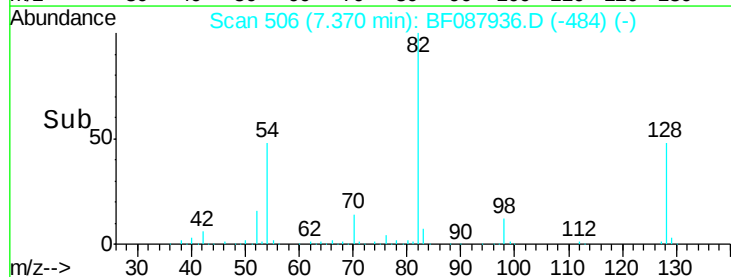


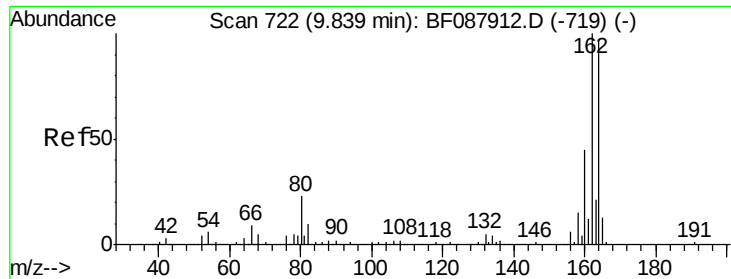
#23
Nitrobenzene-d5
Concen: 89.82 ng
RT: 7.37 min Scan# 506
Delta R.T. -0.05 min
Lab File: BF087936.D
Acq: 12 Jun 2016 8:46

Tgt Ion: 82 Resp: 738367
Ion Ratio Lower Upper
82 100
128 47.9 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: BF087936.D

Acq: 12 Jun 2016 8:46

Instrument :

BNA_F

ClientSampleId :

MW-4

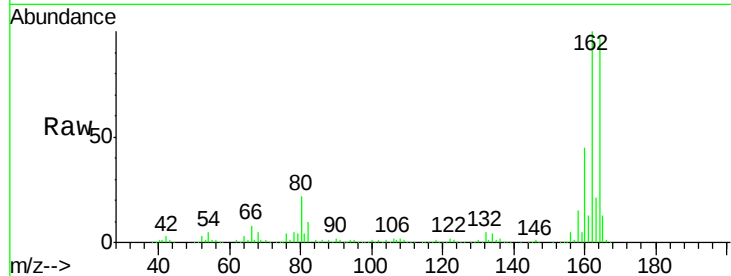
Tgt Ion:164 Resp: 219055

Ion Ratio Lower Upper

164 100

162 102.6 85.4 128.2

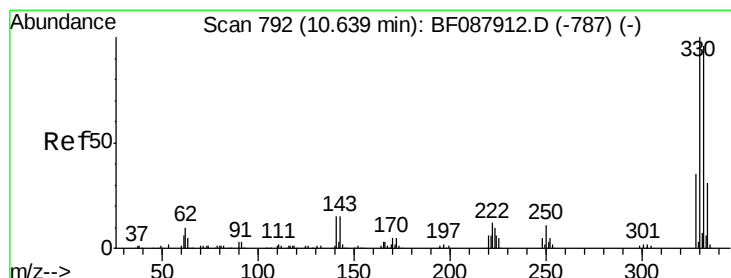
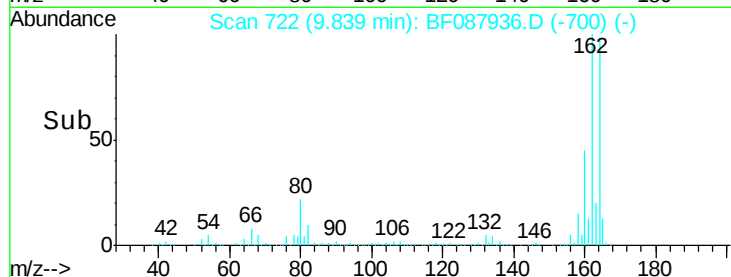
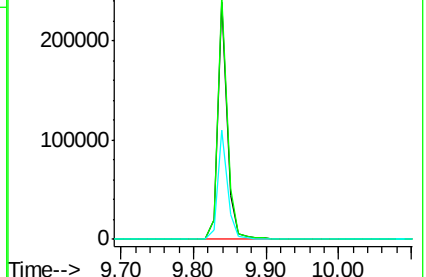
160 46.0 39.5 59.3



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: 126.99 ng

RT: 10.64 min Scan# 792

Delta R.T. -0.03 min

Lab File: BF087936.D

Acq: 12 Jun 2016 8:46

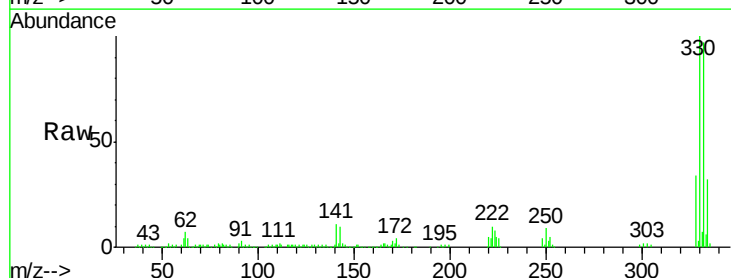
Tgt Ion:330 Resp: 293726

Ion Ratio Lower Upper

330 100

332 96.2 0.0 0.0#

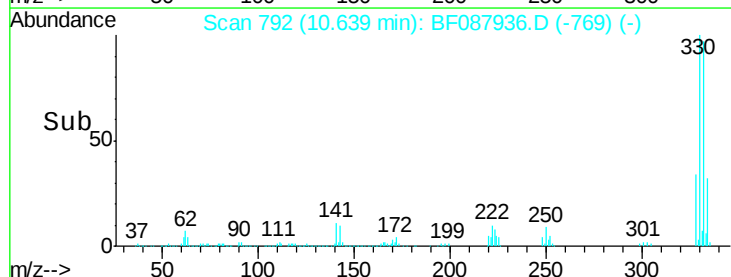
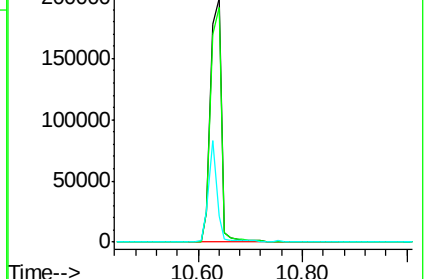
141 32.1 0.0 0.0#

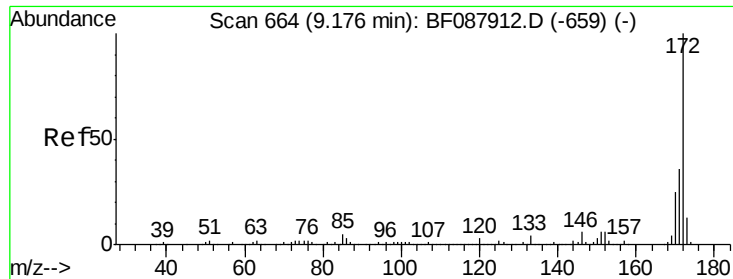


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

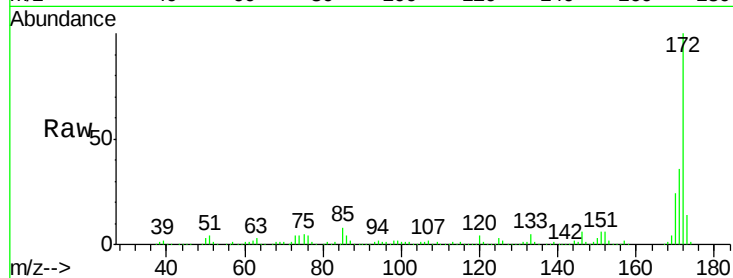




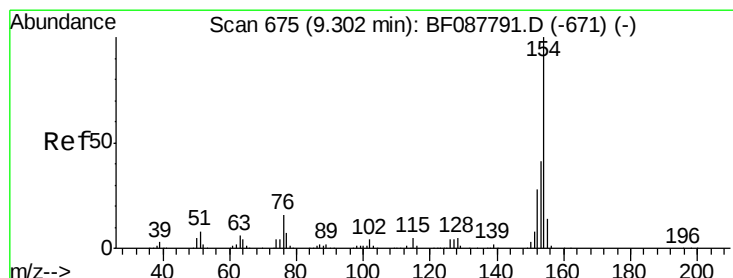
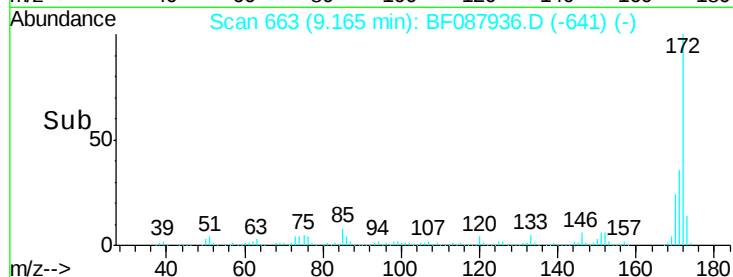
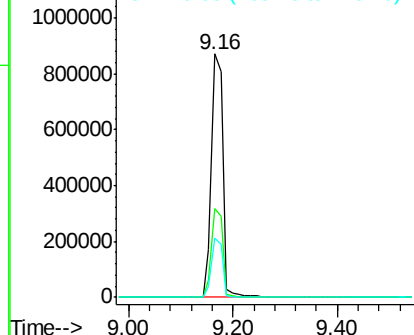
#44
 2-Fluorobiphenyl
 Concen: 96.59 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.05 min
 Lab File: BF087936.D
 Acq: 12 Jun 2016 8:46

Instrument :
 BNA_F
 ClientSampleId :
 MW-4

Tgt Ion:172 Resp: 1336338
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.6 43.0
 170 24.4 19.2 28.8

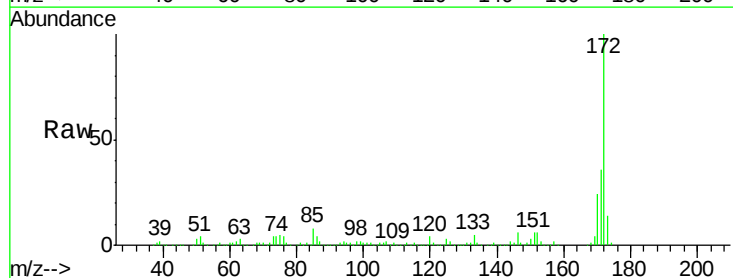


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

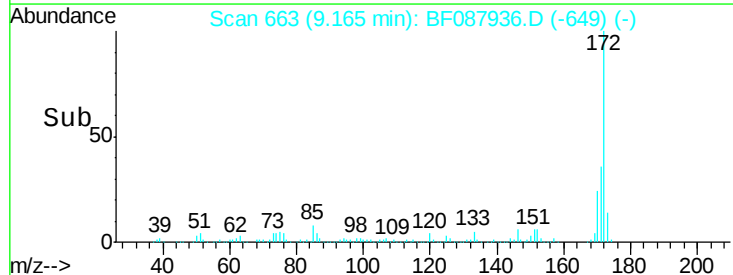
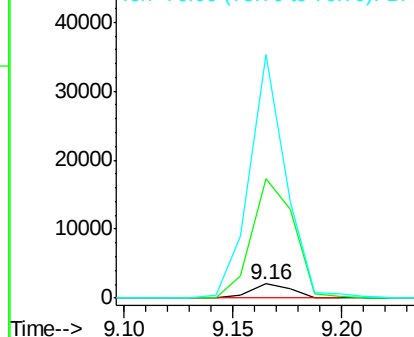


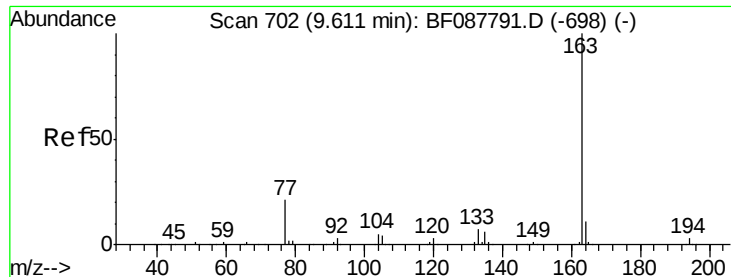
#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.16 min Scan# 663
 Delta R.T. -0.14 min
 Lab File: BF087936.D
 Acq: 12 Jun 2016 8:46

Tgt Ion:154 Resp: 2632
 Ion Ratio Lower Upper
 154 100
 153 852.5 20.6 60.6#
 76 1729.0 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





#49

Dimethylphthalate

Concen: 6.50 ng

RT: 9.56 min Scan# 698

Delta R.T. -0.05 min

Lab File: BF087936.D

Acq: 12 Jun 2016 8:46

Instrument :

BNA_F

ClientSampled :

MW-4

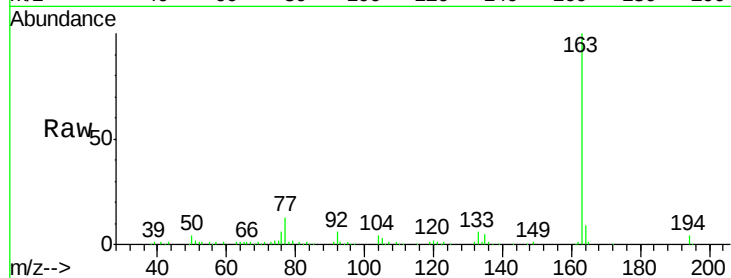
Tgt Ion:163 Resp: 103079

Ion Ratio Lower Upper

163 100

194 3.8 2.8 4.2

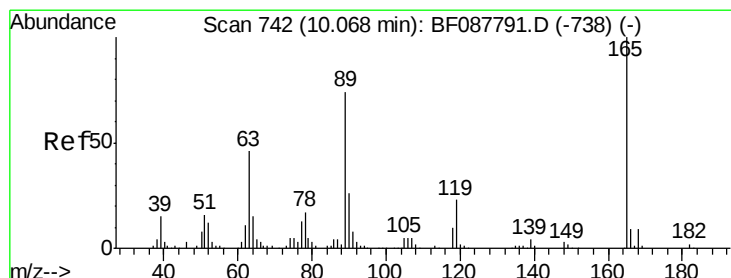
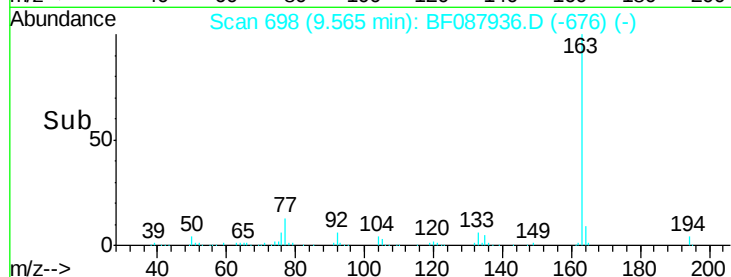
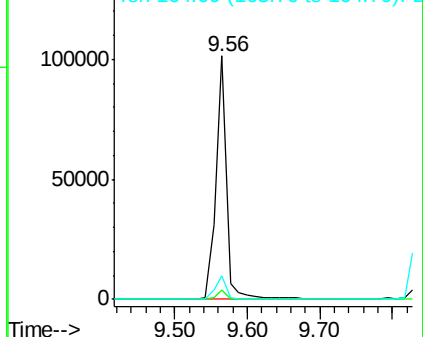
164 9.5 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 6.11 ng

RT: 9.84 min Scan# 722

Delta R.T. -0.23 min

Lab File: BF087936.D

Acq: 12 Jun 2016 8:46

Tgt Ion:165 Resp: 28551

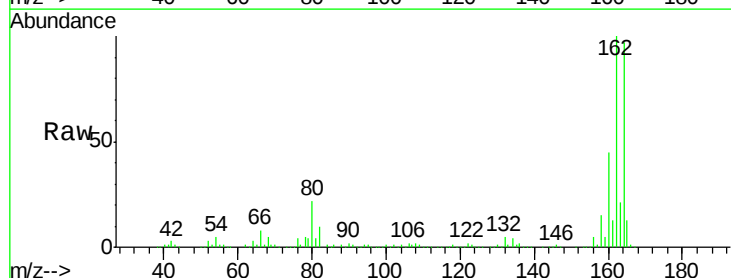
Ion Ratio Lower Upper

165 100

63 1.7 22.0 33.0#

89 1.4 41.1 61.7#

182 0.0 2.0 3.0#

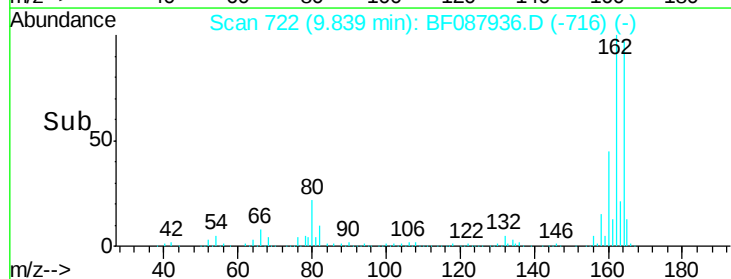
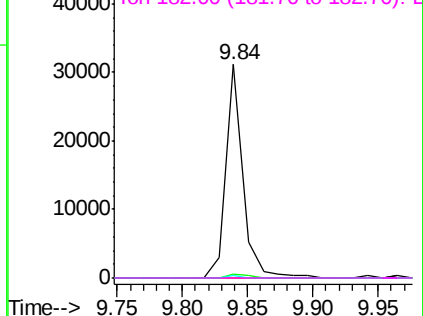


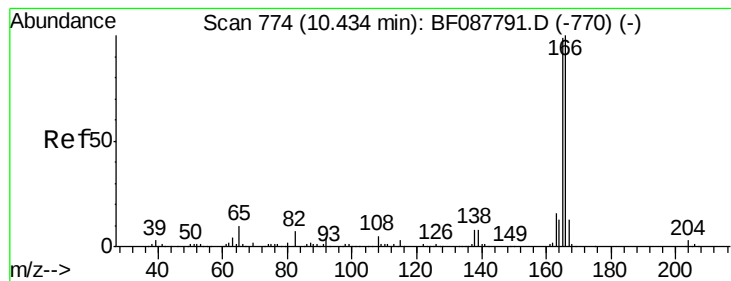
Abundance Ion 165.00 (164.70 to 165.70): E

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. 0.03 min

Lab File: BF087936.D

Acq: 12 Jun 2016 8:46

Instrument :

BNA_F

ClientSampleId :

MW-4

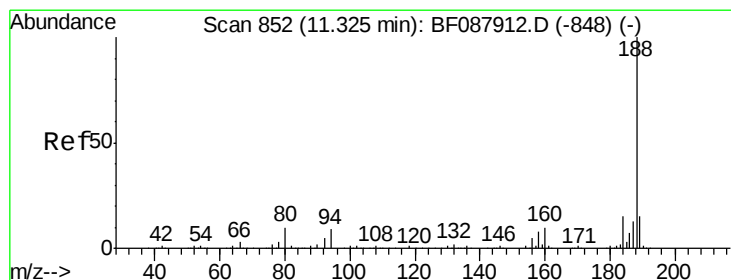
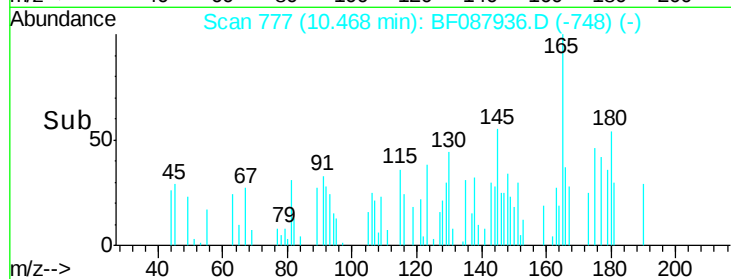
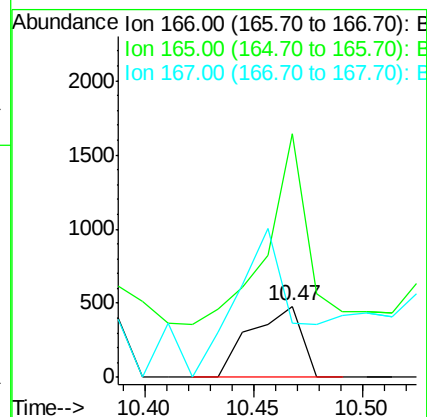
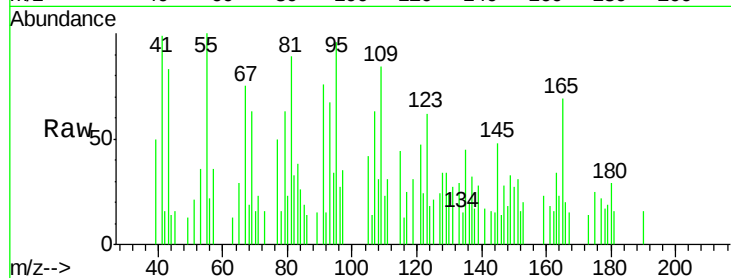
Tgt Ion:166 Resp: 778

Ion Ratio Lower Upper

166 100

165 342.1 77.8 116.8#

167 76.3 11.2 16.8#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.33 min Scan# 852

Delta R.T. -0.03 min

Lab File: BF087936.D

Acq: 12 Jun 2016 8:46

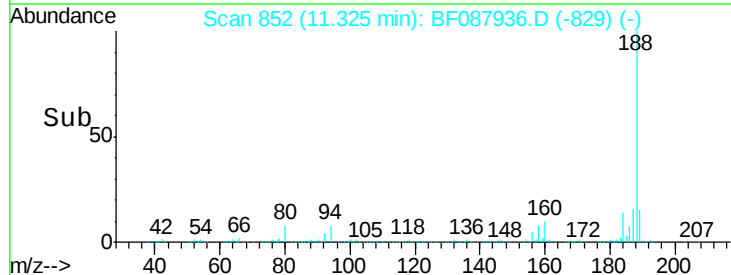
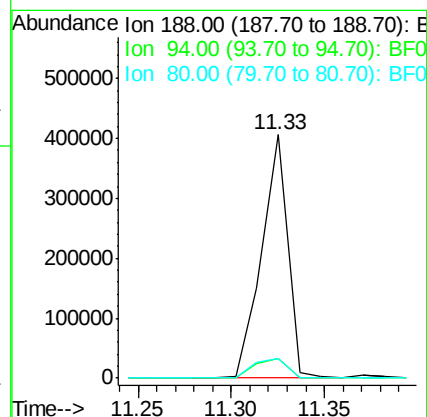
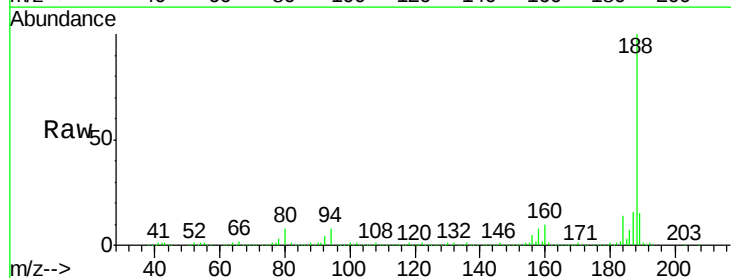
Tgt Ion:188 Resp: 392476

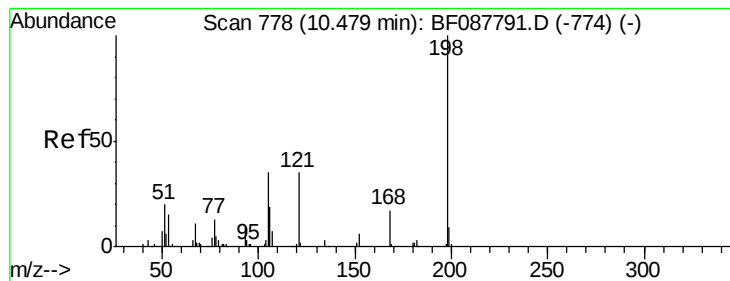
Ion Ratio Lower Upper

188 100

94 8.0 9.0 13.6#

80 8.1 10.0 15.0#





#64

4,6-Dinitro-2-methylphenol

Concen: 2.30 ng

RT: 10.63 min Scan# 791

Delta R.T. 0.15 min

Lab File: BF087936.D

Acq: 12 Jun 2016 8:46

Instrument :

BNA_F

ClientSampleId :

MW-4

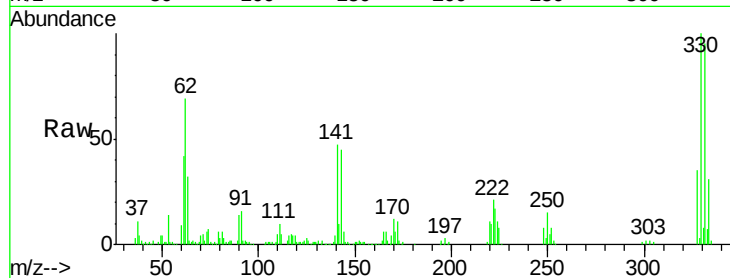
Tgt Ion:198 Resp: 360

Ion Ratio Lower Upper

198 100

51 234.7 39.6 79.6#

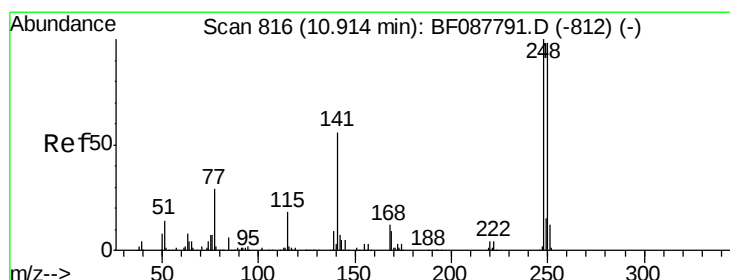
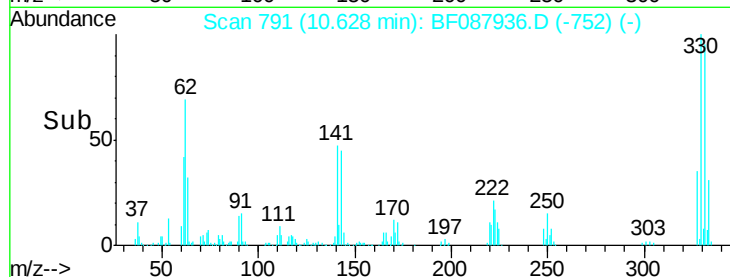
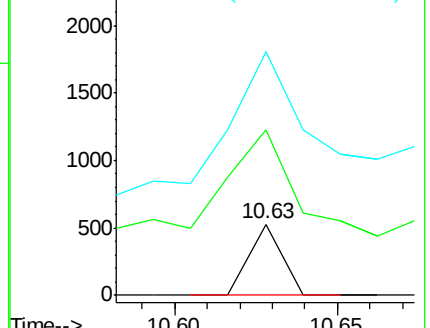
105 343.8 36.6 76.6#



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: 4.09 ng

RT: 10.63 min Scan# 791

Delta R.T. -0.29 min

Lab File: BF087936.D

Acq: 12 Jun 2016 8:46

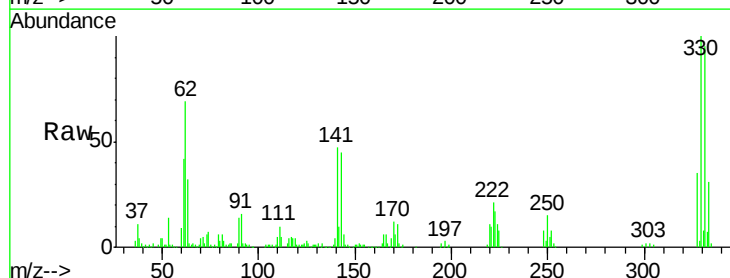
Tgt Ion:248 Resp: 17209

Ion Ratio Lower Upper

248 100

250 199.8 77.1 115.7#

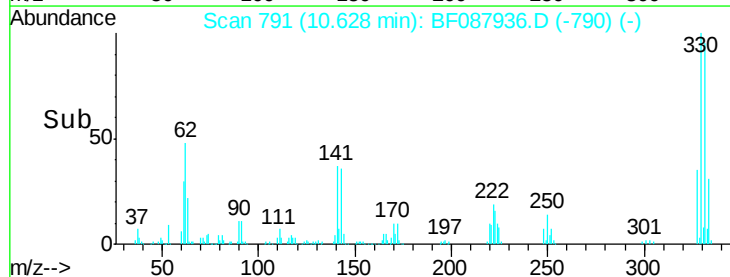
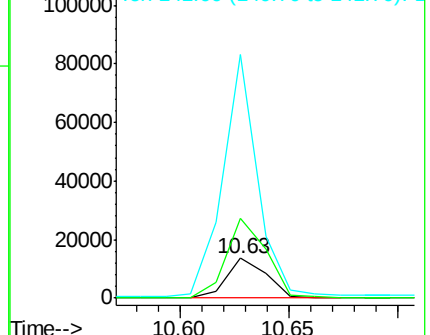
141 609.1 50.6 76.0#

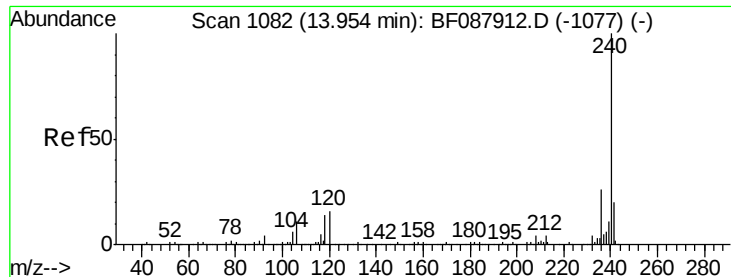


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF087936.D

Acq: 12 Jun 2016 8:46

Instrument :

BNA_F

ClientSampleId :

MW-4

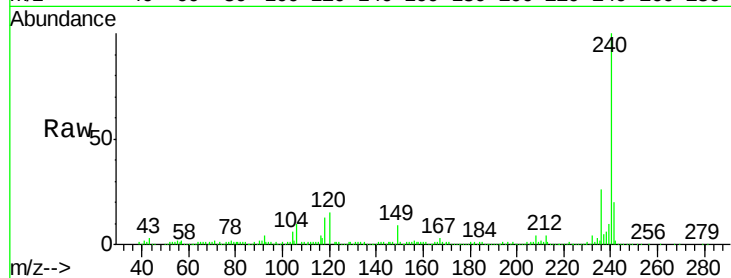
Tgt Ion:240 Resp: 268282

Ion Ratio Lower Upper

240 100

120 14.9 6.8 10.2#

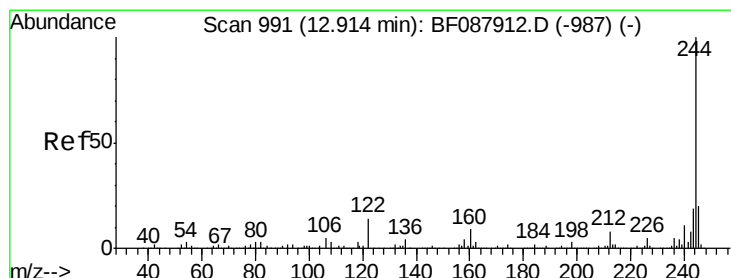
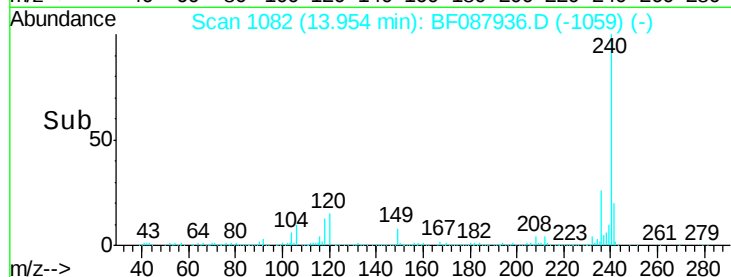
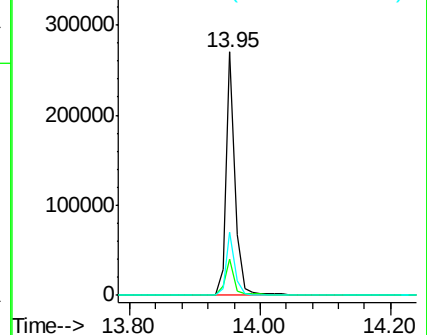
236 25.8 20.2 30.2



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: 75.77 ng

RT: 12.91 min Scan# 991

Delta R.T. -0.03 min

Lab File: BF087936.D

Acq: 12 Jun 2016 8:46

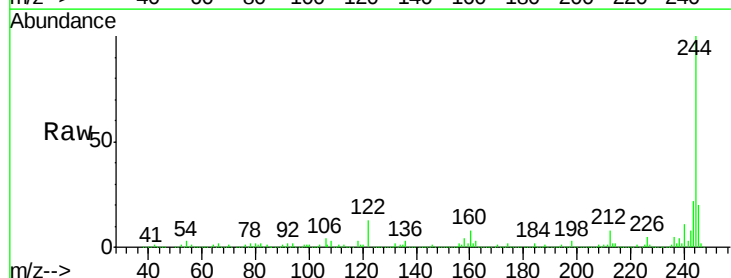
Tgt Ion:244 Resp: 893288

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

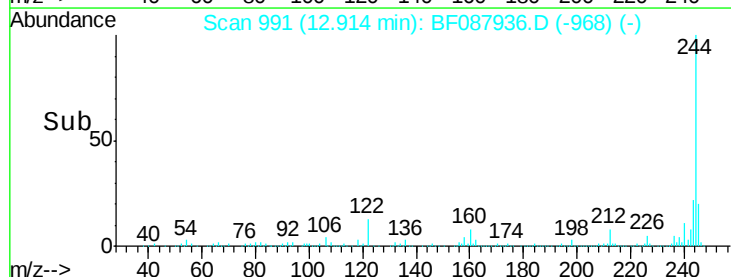
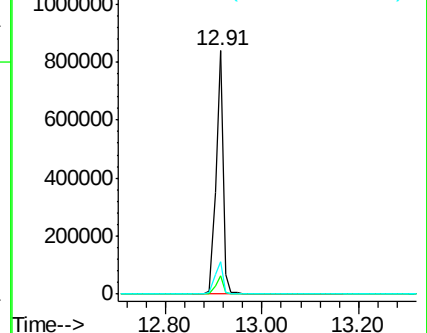
122 13.1 11.2 16.8

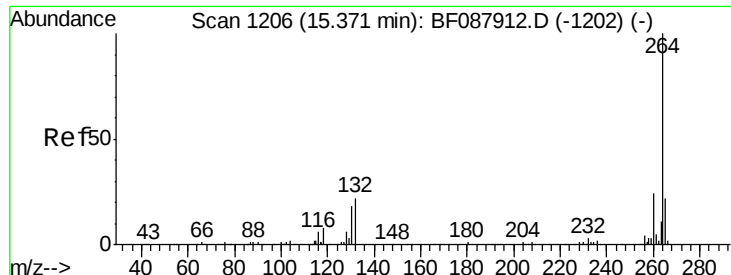


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

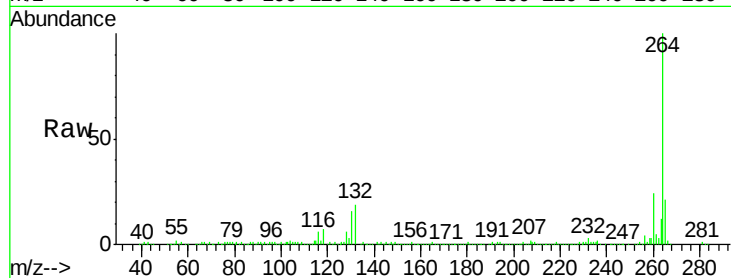




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1206
Delta R.T. -0.02 min
Lab File: BF087936.D
Acq: 12 Jun 2016 8:46

Instrument :
BNA_F
ClientSampleId :
MW-4

Tgt Ion: 264 Resp: 230182
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 21.4 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

