

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061816\
 Data File : BF088162.D
 Acq On : 19 Jun 2016 5:14
 Operator : UM/SJ
 Sample : H3628-06
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-12

Quant Time: Jun 19 07:55:00 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 17 16:09:13 2016
 Response via : Initial Calibration

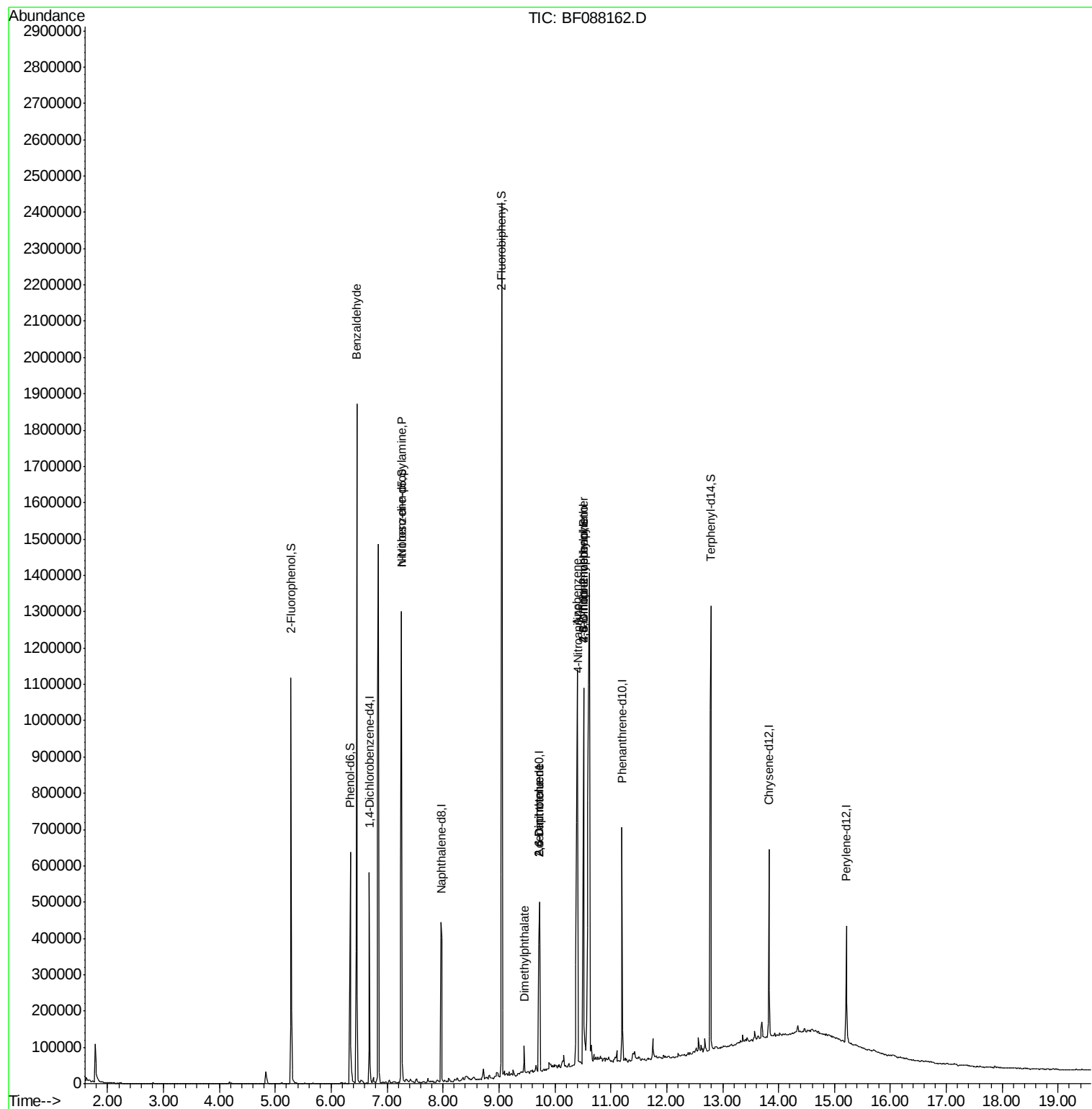
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	88339	20.00	ng	-0.01
21) Naphthalene-d8	7.98	136	304054	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	123139	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	210843	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	169304	20.00	ng	-0.02
86) Perylene-d12	15.21	264	128376	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	333998	64.64	ng	0.00
7) Phenol-d6	6.34	99	272117	43.45	ng	-0.01
23) Nitrobenzene-d5	7.26	82	466204	89.54	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	141940	109.17	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	742357	95.38	ng	-0.02
78) Terphenyl-d14	12.79	244	515967	69.35	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.46	77	11427	2.63	ng	# 71
10) Phenol	6.35	94	1105	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.26	70	62193	15.52	ng	# 69
45) 1,1'-Biphenyl	9.05	154	1488	Below Cal		# 1
49) Dimethylphthalate	9.45	163	34584	3.88	ng	100
50) 2,6-Dinitrotoluene	9.72	165	15490	7.58	ng	# 39
56) 2,4-Dinitrotoluene	9.72	165	15490	5.90	ng	# 37
57) Fluorene	10.51	166	7723	Below Cal		# 91
61) 4-Nitroaniline	10.41	138	10630	4.75	ng	# 1
62) Azobenzene	10.40	77	42560	4.77	ng	# 38
64) 4,6-Dinitro-2-methylphenol	10.51	198	241	2.34	ng	# 1
66) 4-Bromophenyl-phenylether	10.51	248	9595	4.24	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: 6.68 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF088162.D

Acq: 19 Jun 2016 5:14

Instrument :

BNA_F

ClientSampleId :

W-12

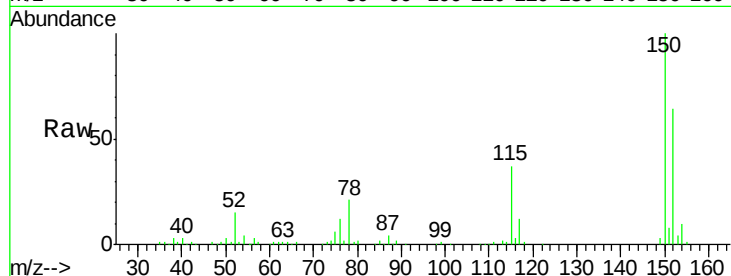
Tgt Ion:152 Resp: 88339

Ion Ratio Lower Upper

152 100

150 155.0 123.8 185.6

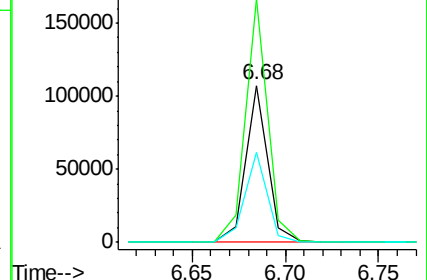
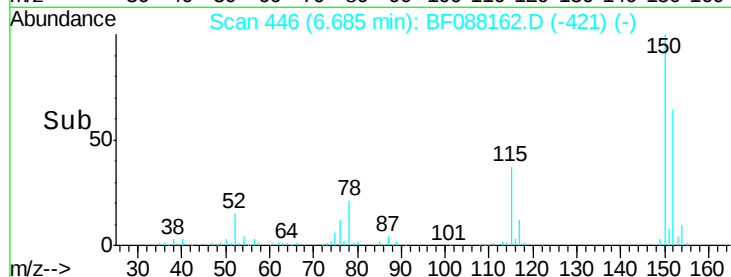
115 57.5 39.6 59.4



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: 64.64 ng

RT: 5.28 min Scan# 323

Delta R.T. 0.00 min

Lab File: BF088162.D

Acq: 19 Jun 2016 5:14

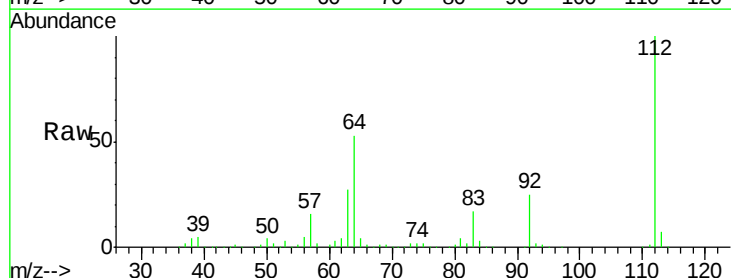
Tgt Ion:112 Resp: 333998

Ion Ratio Lower Upper

112 100

64 53.1 42.2 63.2

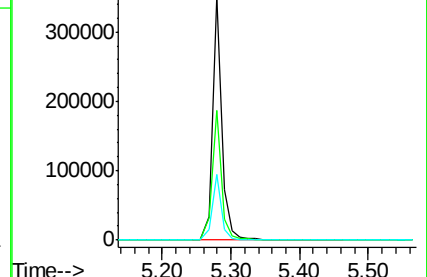
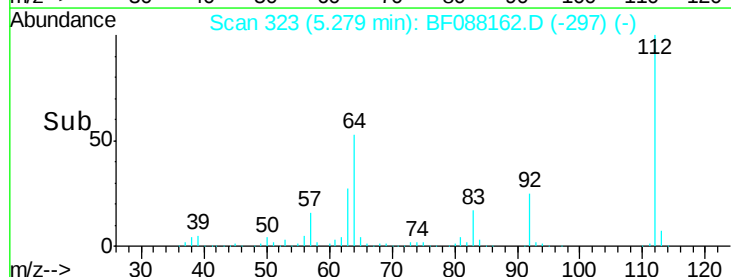
63 26.9 21.8 32.8



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: 43.45 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF088162.D

Acq: 19 Jun 2016 5:14

Instrument :

BNA_F

ClientSampleId :

W-12

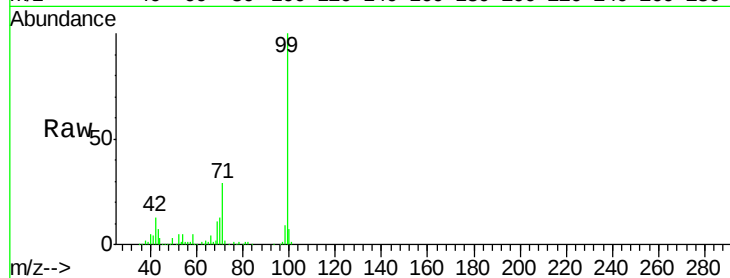
Tgt Ion: 99 Resp: 272117

Ion Ratio Lower Upper

99 100

42 13.0 12.2 18.2

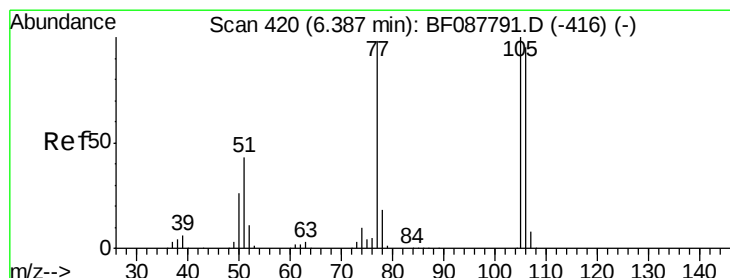
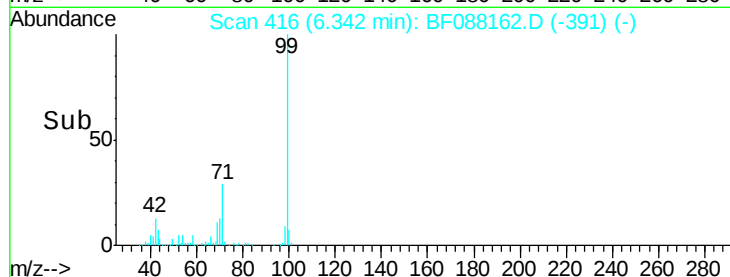
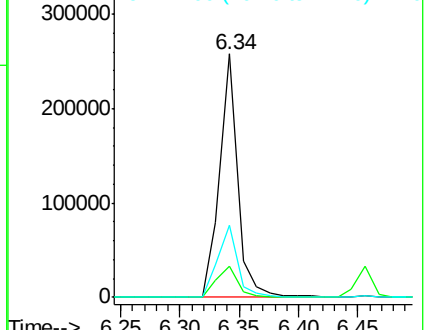
71 29.4 23.4 35.0



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



#9

Benzaldehyde

Concen: 2.63 ng

RT: 6.46 min Scan# 426

Delta R.T. 0.22 min

Lab File: BF088162.D

Acq: 19 Jun 2016 5:14

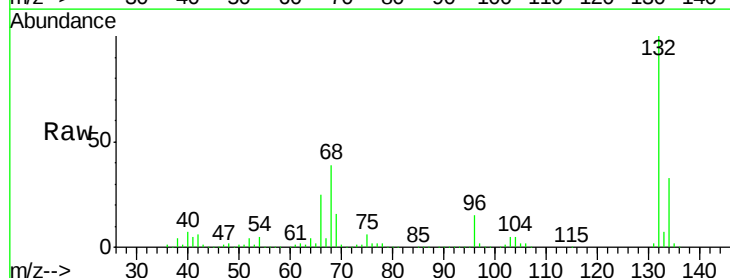
Tgt Ion: 77 Resp: 11427

Ion Ratio Lower Upper

77 100

105 79.1 90.6 130.6#

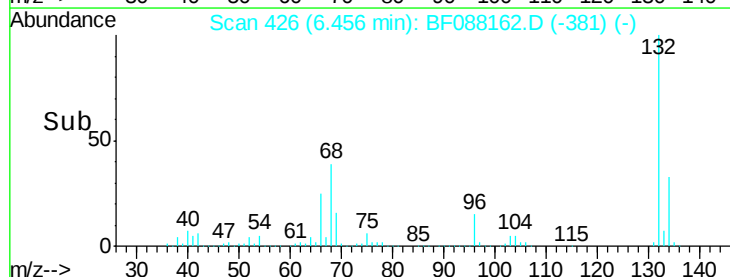
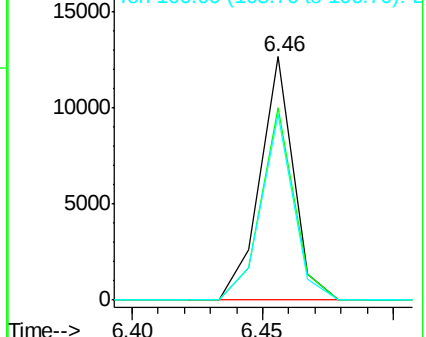
106 76.6 85.3 125.3#

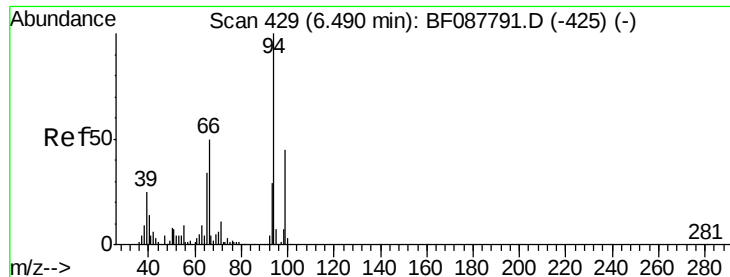


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: Below Cal

RT: 6.35 min Scan# 417

Delta R.T. -0.01 min

Lab File: BF088162.D

Acq: 19 Jun 2016 5:14

Instrument :

BNA_F

ClientSampled :

W-12

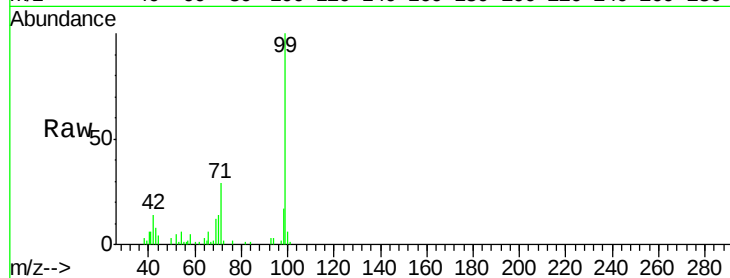
Tgt Ion: 94 Resp: 1105

Ion Ratio Lower Upper

94 100

65 80.0 5.9 45.9#

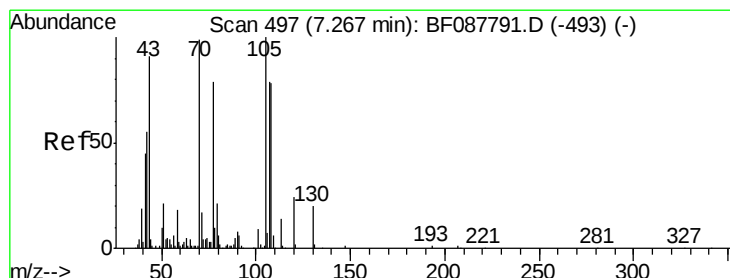
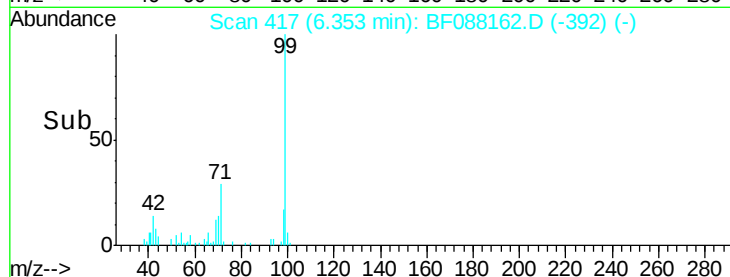
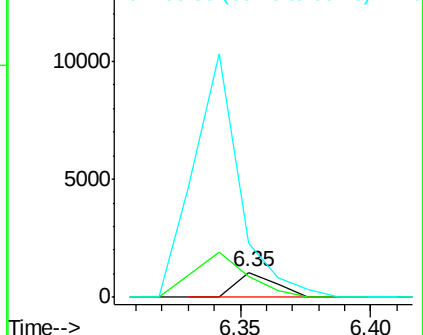
66 215.8 14.0 54.0#



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: 15.52 ng

RT: 7.26 min Scan# 496

Delta R.T. 0.13 min

Lab File: BF088162.D

Acq: 19 Jun 2016 5:14

Tgt Ion: 70 Resp: 62193

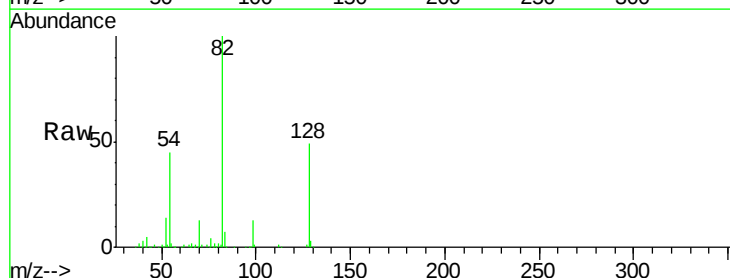
Ion Ratio Lower Upper

70 100

42 38.6 49.6 74.4#

101 0.0 7.1 10.7#

130 2.6 15.4 23.2#

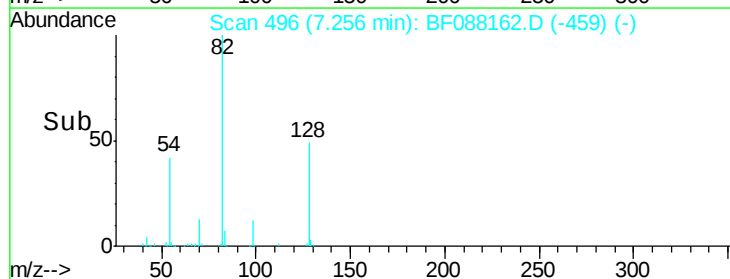
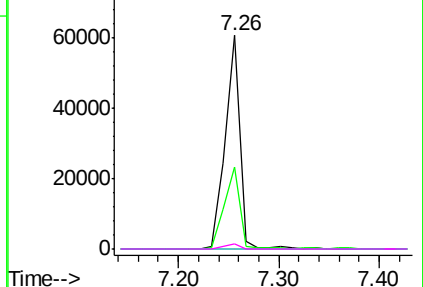


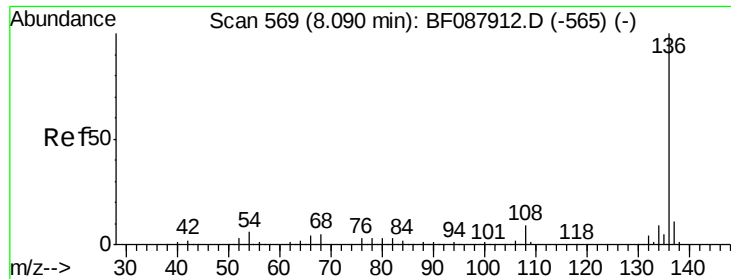
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

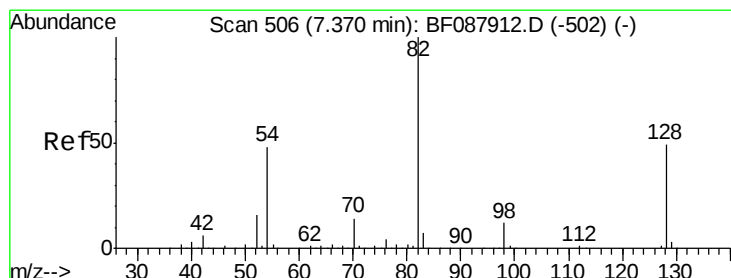
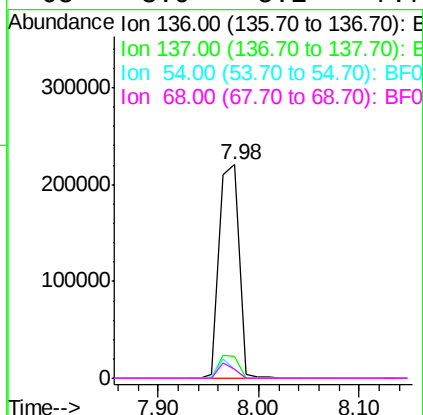
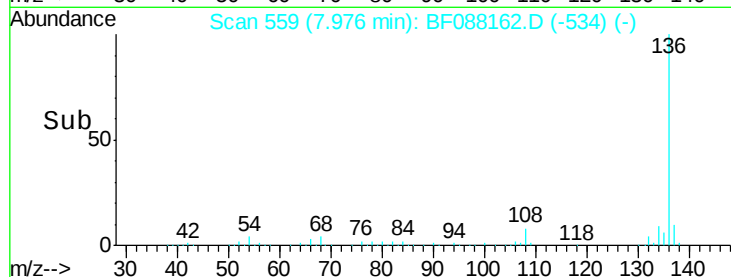
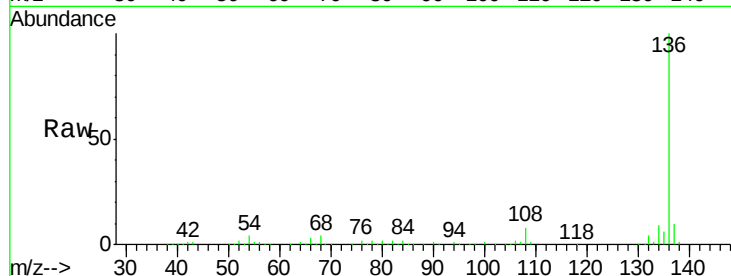




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF088162.D
Acq: 19 Jun 2016 5:14

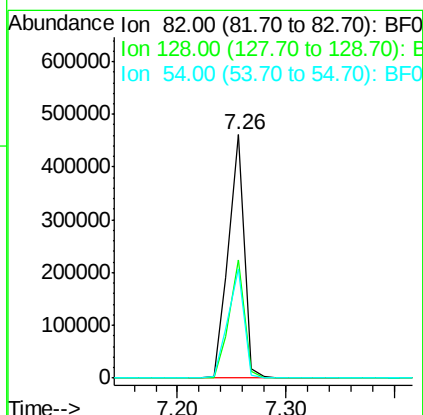
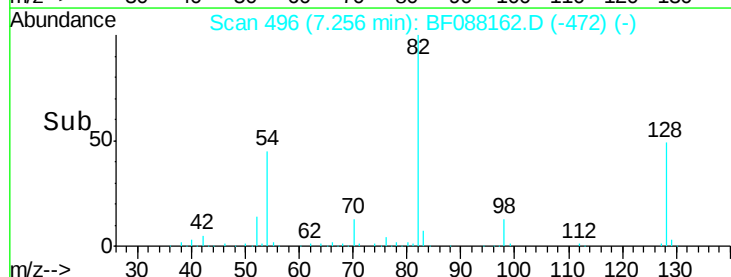
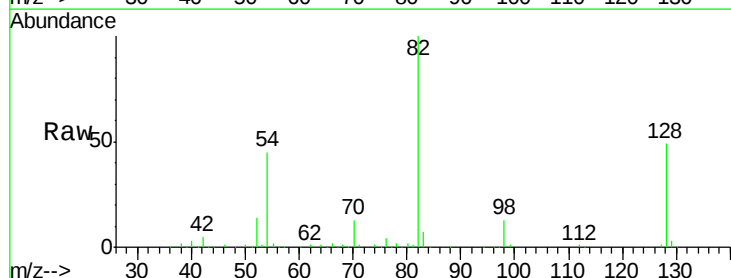
Instrument :
BNA_F
ClientSampleId :
W-12

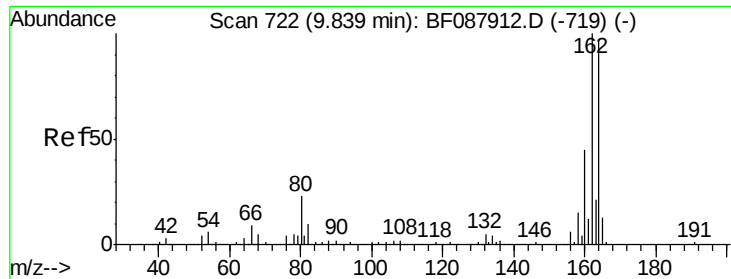
Tgt Ion: 136 Resp: 304054
Ion Ratio Lower Upper
136 100
137 10.1 9.1 13.7
54 4.4 6.6 10.0#
68 3.9 5.1 7.7#



#23
Nitrobenzene-d5
Concen: 89.54 ng
RT: 7.26 min Scan# 496
Delta R.T. -0.02 min
Lab File: BF088162.D
Acq: 19 Jun 2016 5:14

Tgt Ion: 82 Resp: 466204
Ion Ratio Lower Upper
82 100
128 48.8 35.9 53.9
54 44.8 40.9 61.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.01 min

Lab File: BF088162.D

Acq: 19 Jun 2016 5:14

Instrument :

BNA_F

ClientSampleId :

W-12

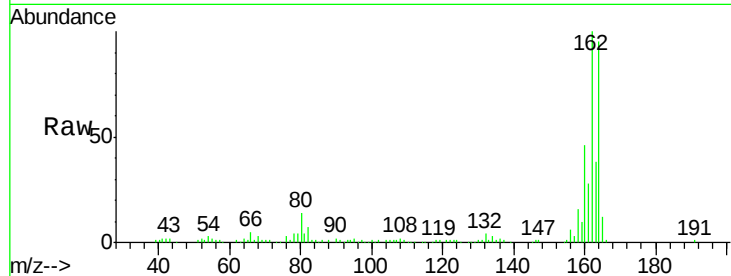
Tgt Ion:164 Resp: 123139

Ion Ratio Lower Upper

164 100

162 105.3 85.4 128.2

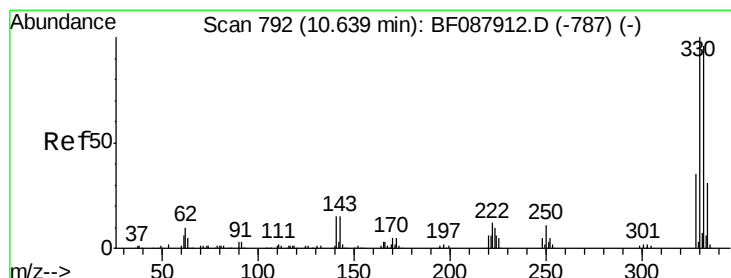
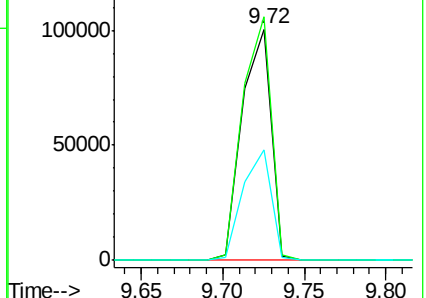
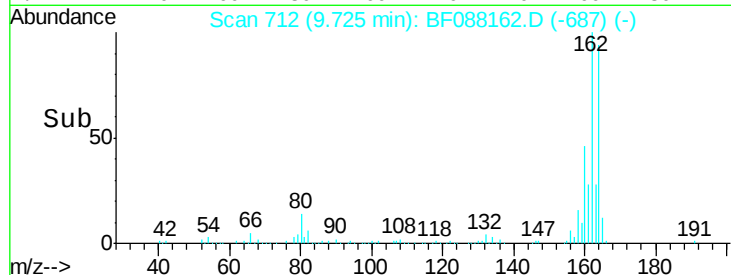
160 48.1 39.5 59.3



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: 109.17 ng

RT: 10.51 min Scan# 781

Delta R.T. -0.01 min

Lab File: BF088162.D

Acq: 19 Jun 2016 5:14

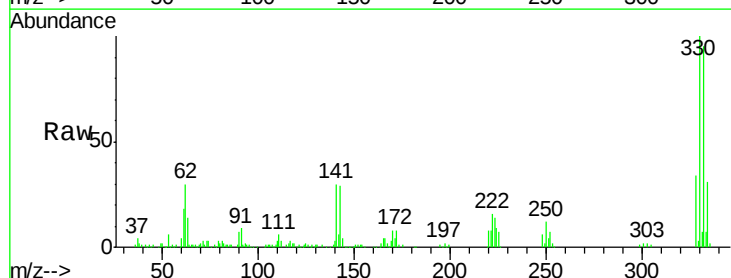
Tgt Ion:330 Resp: 141940

Ion Ratio Lower Upper

330 100

332 95.3 0.0 0.0#

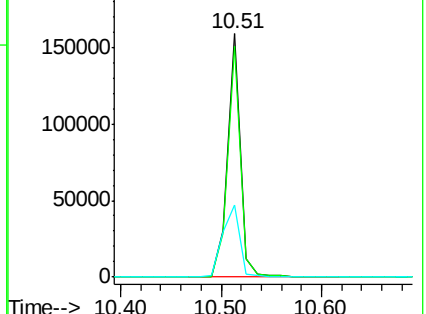
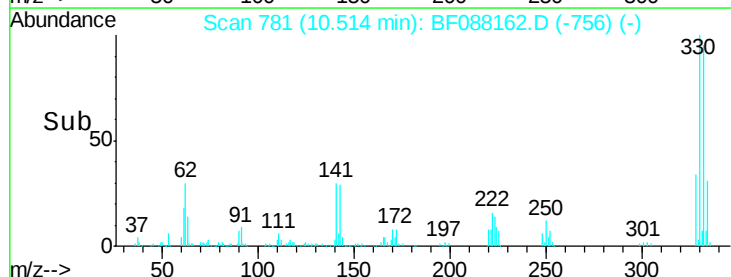
141 38.6 0.0 0.0#

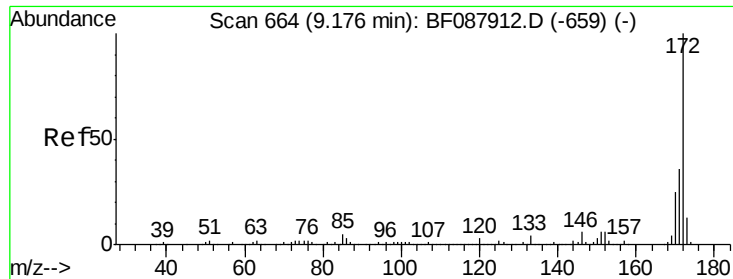


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

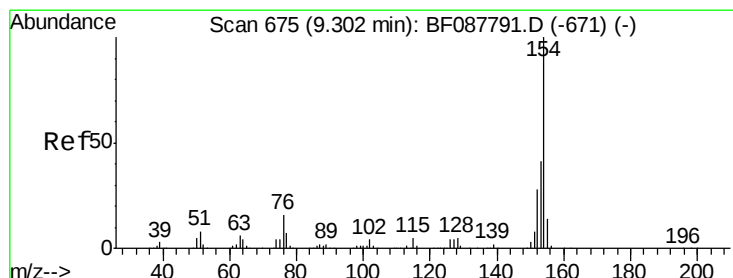
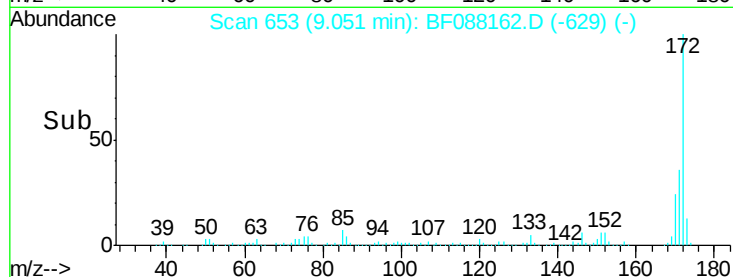
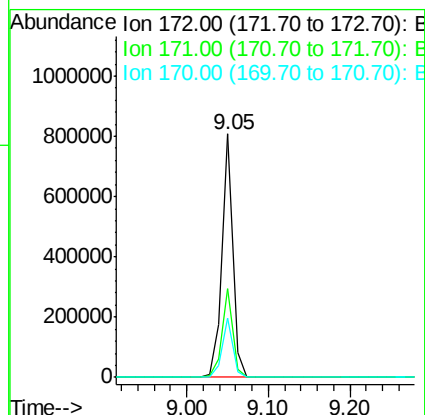
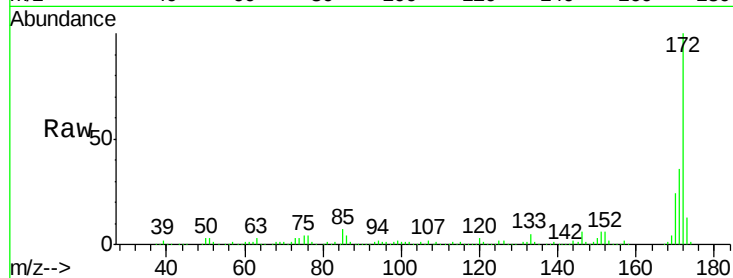




#44
 2-Fluorobiphenyl
 Concen: 95.38 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF088162.D
 Acq: 19 Jun 2016 5:14

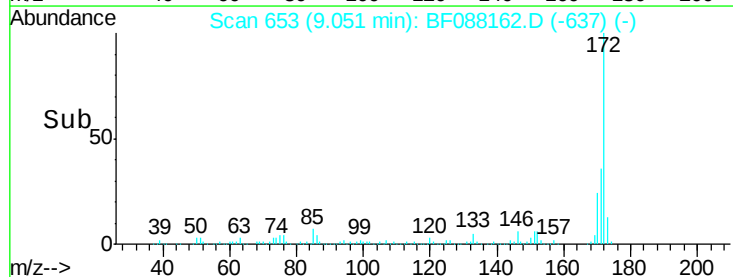
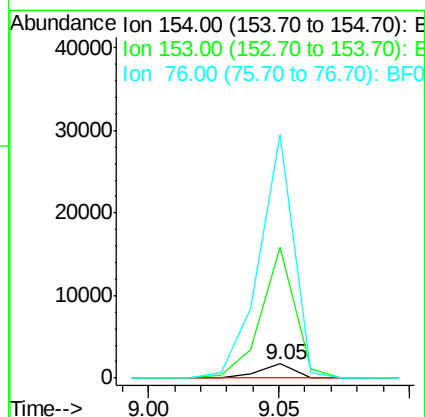
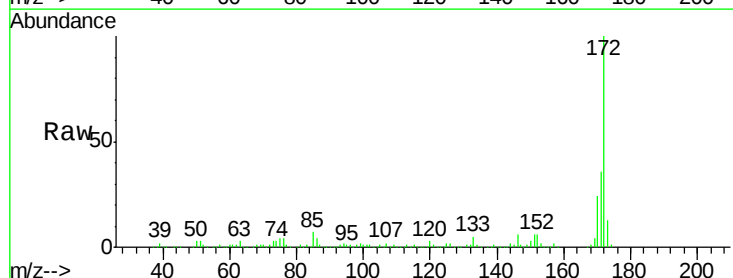
Instrument :
 BNA_F
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 W-12

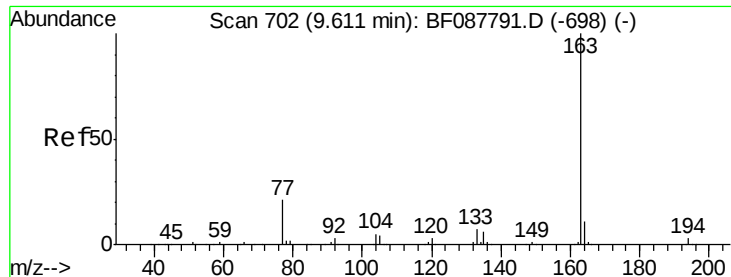
Tgt Ion:172 Resp: 742357
 Ion Ratio Lower Upper
 172 100
 171 36.3 28.6 43.0
 170 24.2 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.05 min Scan# 653
 Delta R.T. -0.11 min
 Lab File: BF088162.D
 Acq: 19 Jun 2016 5:14

Tgt Ion:154 Resp: 1488
 Ion Ratio Lower Upper
 154 100
 153 943.7 20.6 60.6#
 76 1746.4 0.0 35.1#

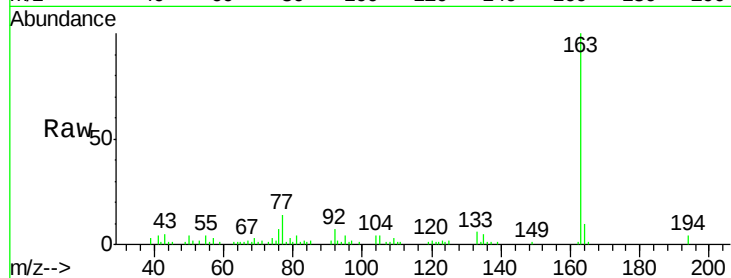




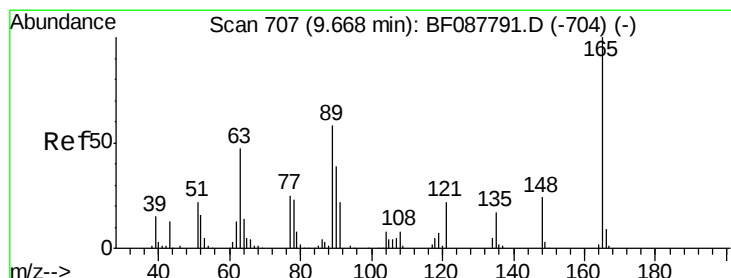
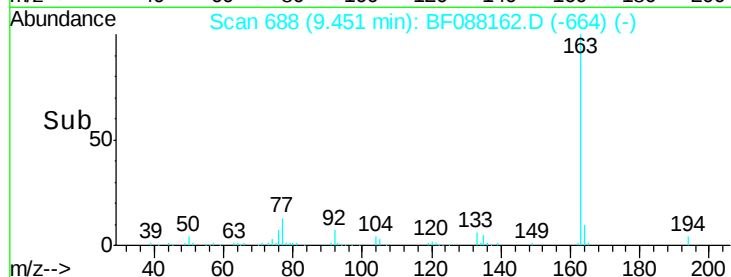
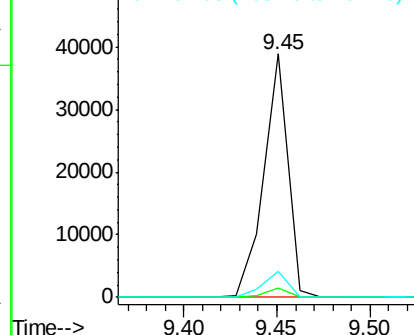
#49
Dimethylphthalate
Concen: 3.88 ng
RT: 9.45 min Scan# 688
Delta R.T. -0.02 min
Lab File: BF088162.D
Acq: 19 Jun 2016 5:14

Instrument :
BNA_F
ClientSampleId :
W-12

Tgt Ion:163 Resp: 34584
Ion Ratio Lower Upper
163 100
194 3.7 2.8 4.2
164 10.4 8.3 12.5

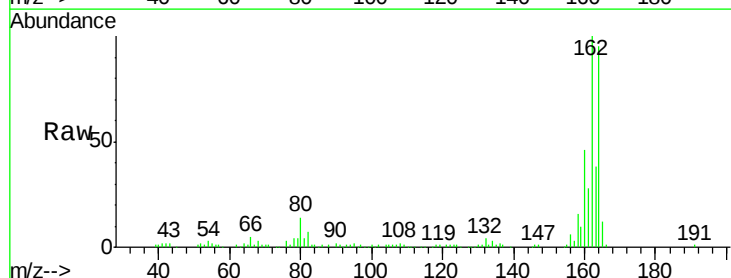


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

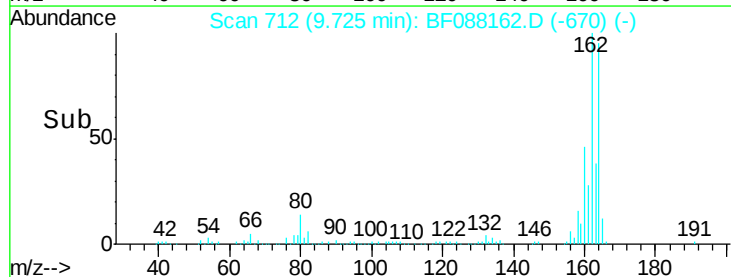
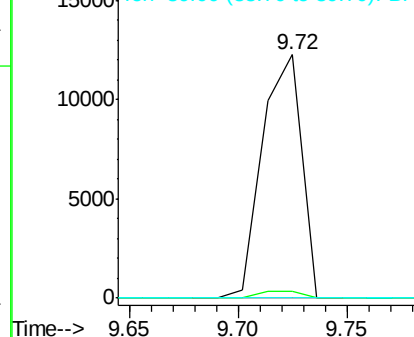


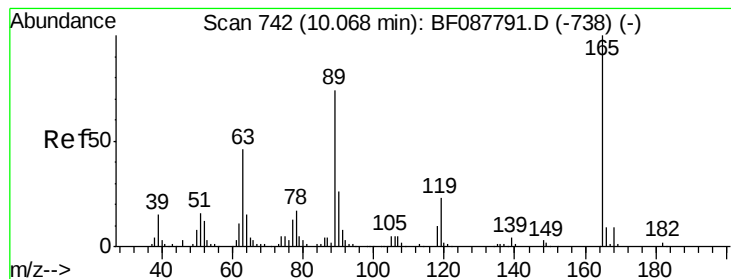
#50
2,6-Dinitrotoluene
Concen: 7.58 ng
RT: 9.72 min Scan# 712
Delta R.T. 0.18 min
Lab File: BF088162.D
Acq: 19 Jun 2016 5:14

Tgt Ion:165 Resp: 15490
Ion Ratio Lower Upper
165 100
63 2.7 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: 5.90 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.22 min

Lab File: BF088162.D

Acq: 19 Jun 2016 5:14

Instrument :

BNA_F

ClientSampleId :

W-12

Tgt Ion:165 Resp: 15490

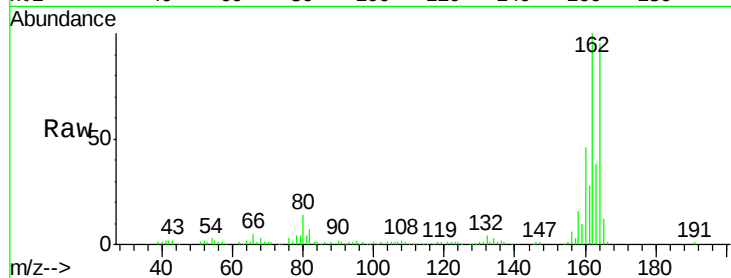
Ion Ratio Lower Upper

165 100

63 2.7 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

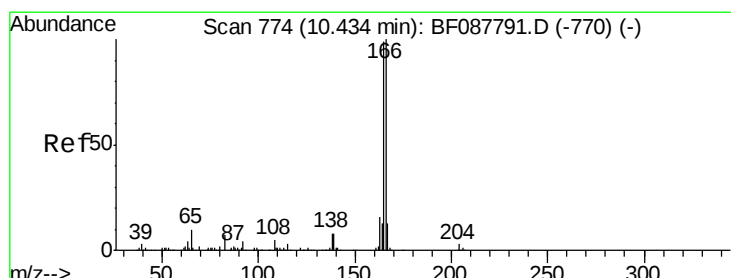
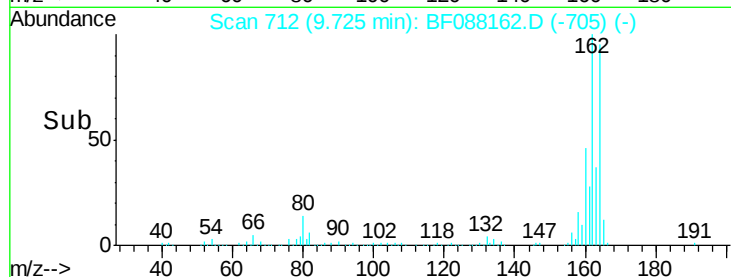
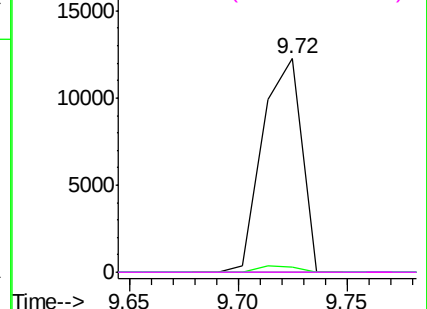


Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.51 min Scan# 781

Delta R.T. 0.23 min

Lab File: BF088162.D

Acq: 19 Jun 2016 5:14

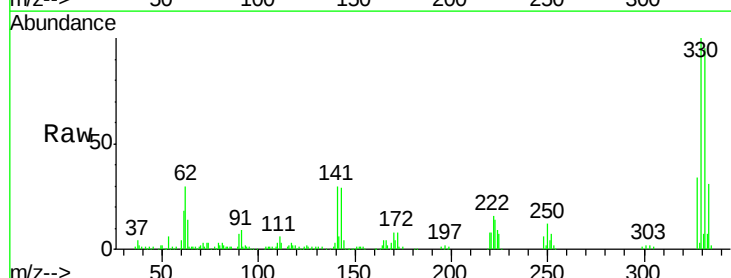
Tgt Ion:166 Resp: 7723

Ion Ratio Lower Upper

166 100

165 100.4 77.8 116.8

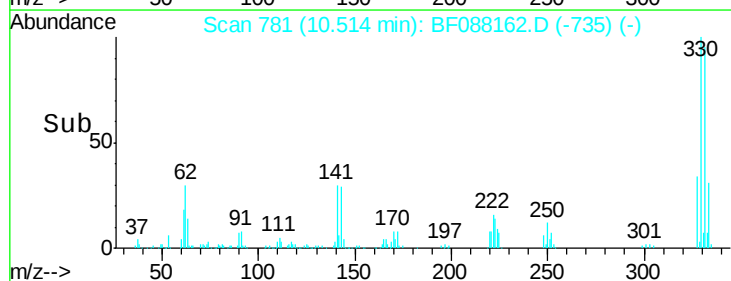
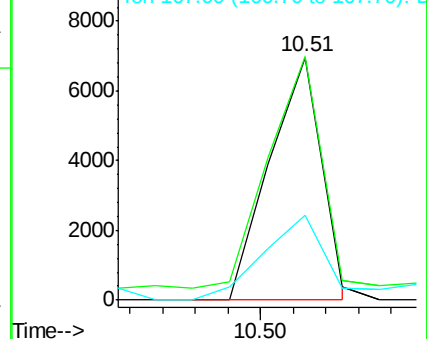
167 34.9 11.2 16.8#

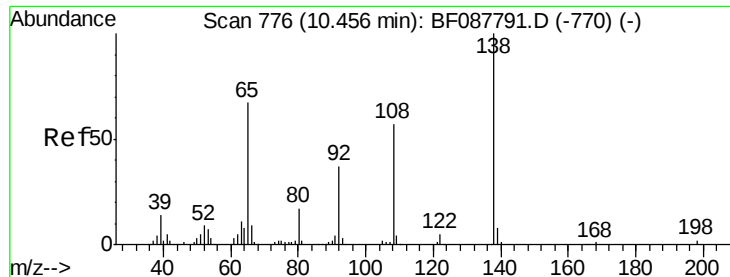


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#61

4-Nitroaniline

Concen: 4.75 ng

RT: 10.41 min Scan# 772

Delta R.T. 0.09 min

Lab File: BF088162.D

Acq: 19 Jun 2016 5:14

Instrument :

BNA_F

ClientSampleId :

W-12

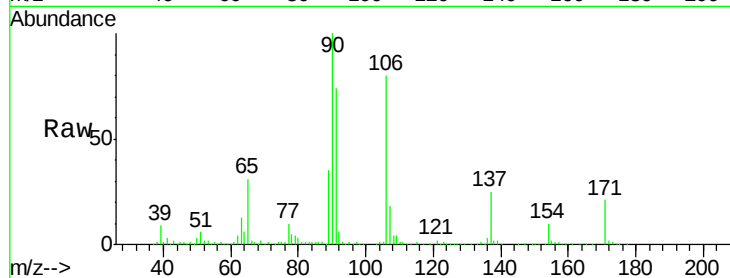
Tgt Ion:138 Resp: 10630

Ion Ratio Lower Upper

138 100

92 231.0 27.3 67.3#

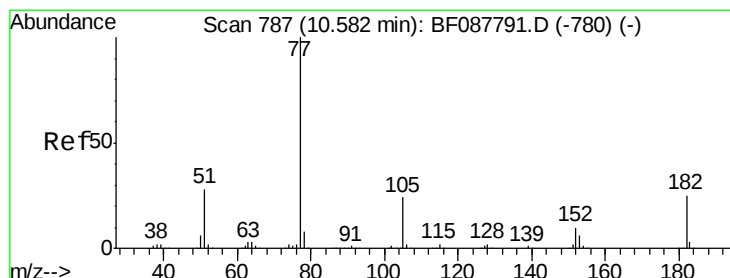
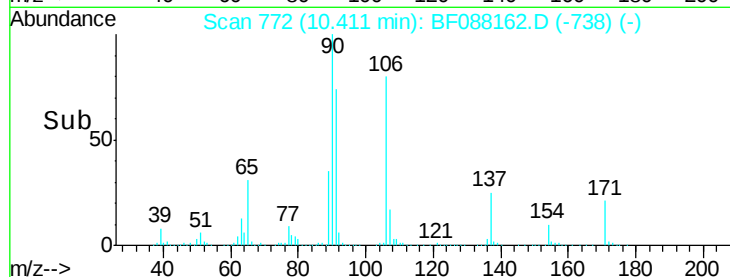
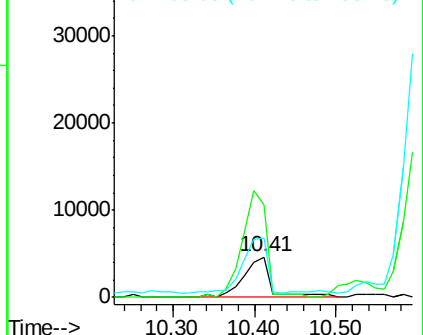
108 147.1 46.7 86.7#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 4.77 ng

RT: 10.40 min Scan# 771

Delta R.T. -0.03 min

Lab File: BF088162.D

Acq: 19 Jun 2016 5:14

Tgt Ion: 77 Resp: 42560

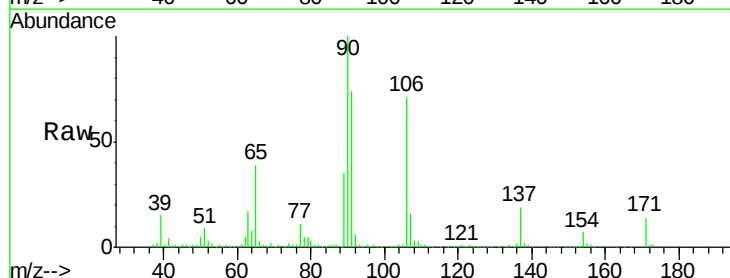
Ion Ratio Lower Upper

77 100

182 0.0 4.4 44.4#

105 7.3 3.8 43.8

51 81.3 9.3 49.3#

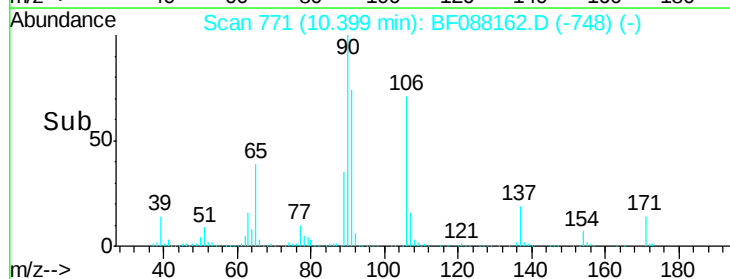
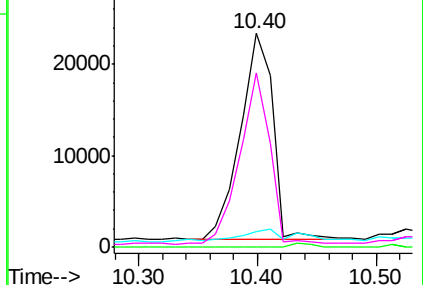


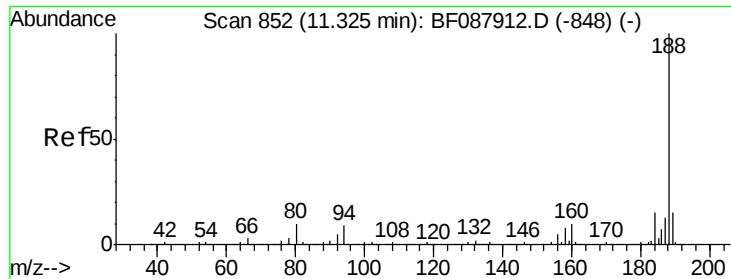
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

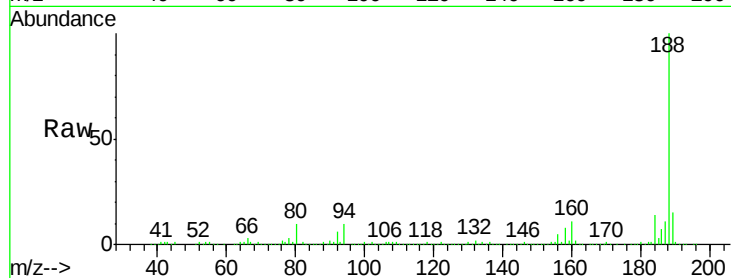




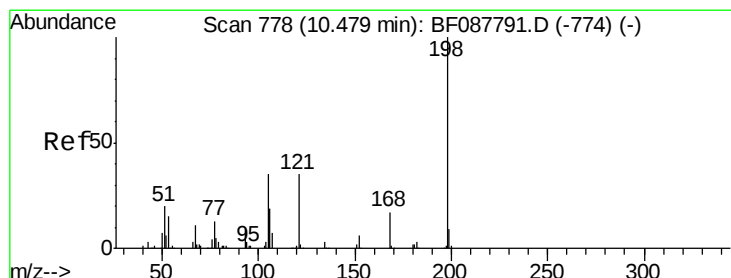
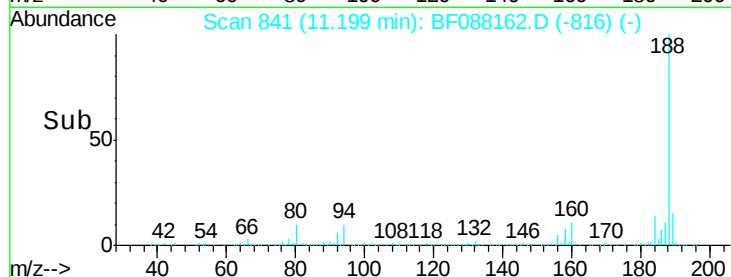
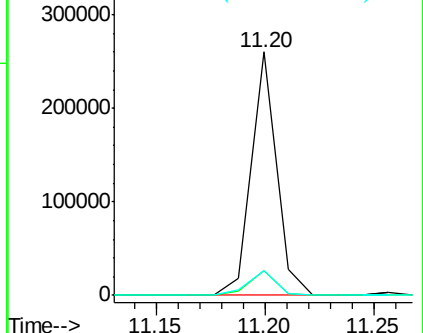
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 841
 Delta R.T. -0.01 min
 Lab File: BF088162.D
 Acq: 19 Jun 2016 5:14

Instrument :
 BNA_F
 ClientSampleId :
 W-12

Tgt Ion:188 Resp: 210843
 Ion Ratio Lower Upper
 188 100
 94 10.3 9.0 13.6
 80 10.3 10.0 15.0

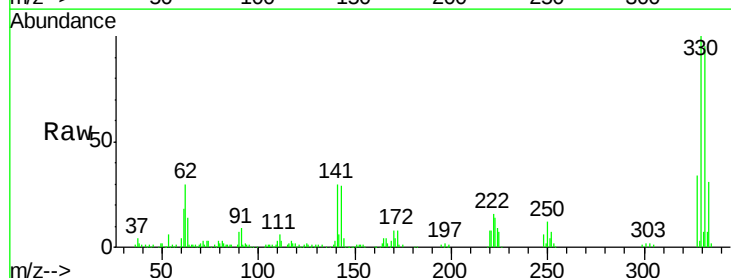


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

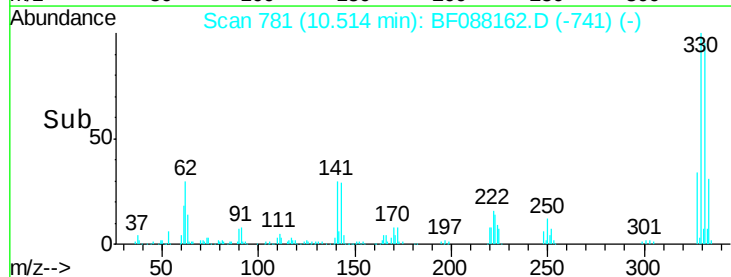
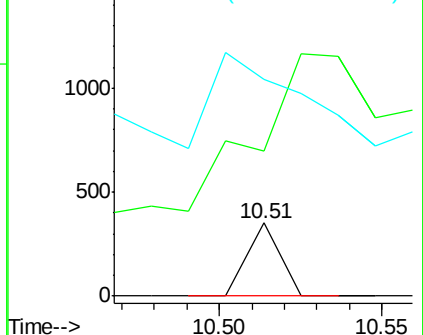


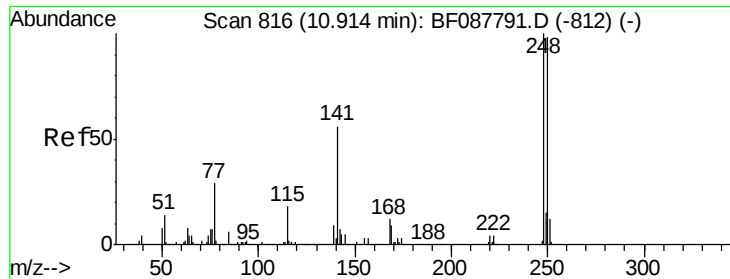
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.34 ng
 RT: 10.51 min Scan# 781
 Delta R.T. 0.16 min
 Lab File: BF088162.D
 Acq: 19 Jun 2016 5:14

Tgt Ion:198 Resp: 241
 Ion Ratio Lower Upper
 198 100
 51 197.4 39.6 79.6#
 105 295.7 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

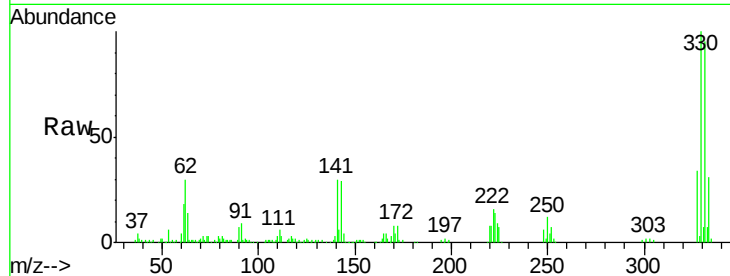




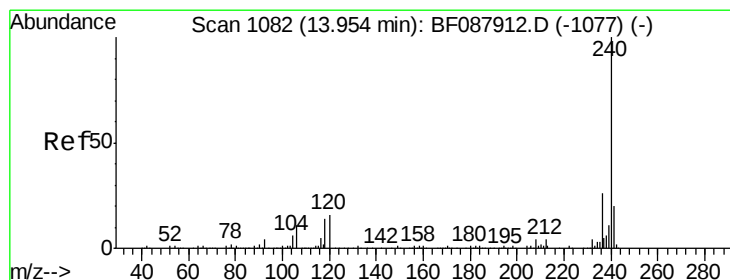
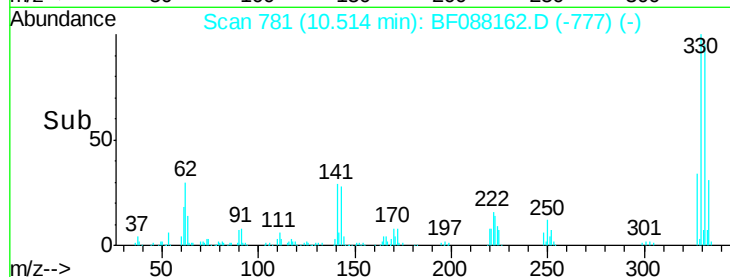
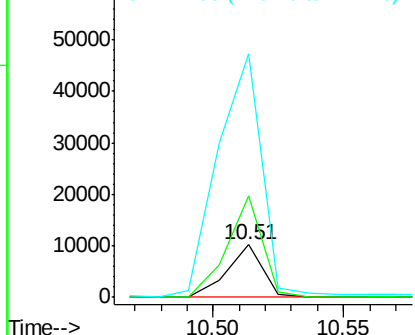
#66
4-Bromophenyl-phenylether
Concen: 4.24 ng
RT: 10.51 min Scan# 781
Delta R.T. -0.25 min
Lab File: BF088162.D
Acq: 19 Jun 2016 5:14

Instrument :
BNA_F
ClientSampleId :
W-12

Tgt Ion:248 Resp: 9595
Ion Ratio Lower Upper
248 100
250 195.0 77.1 115.7#
141 465.1 50.6 76.0#

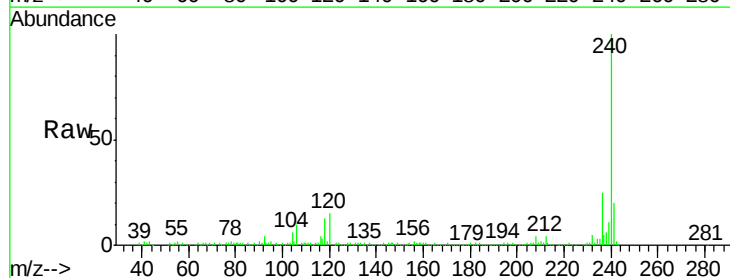


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

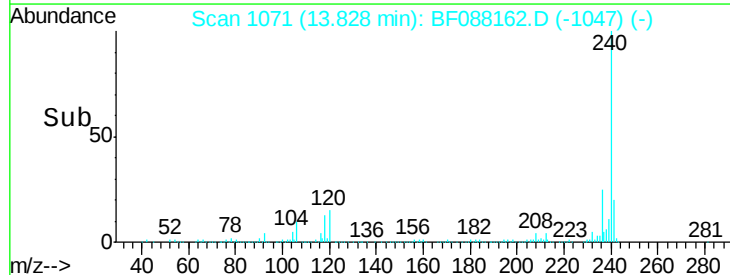
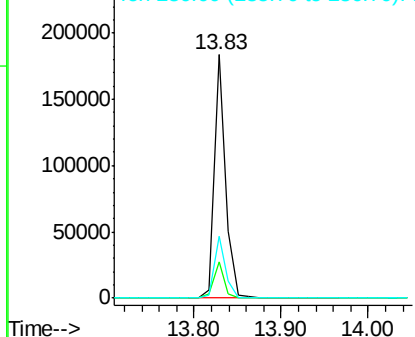


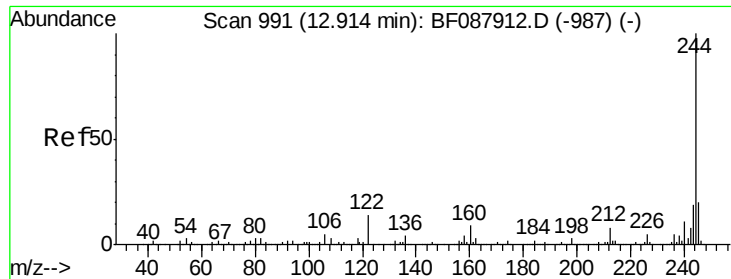
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.83 min Scan# 1071
Delta R.T. -0.02 min
Lab File: BF088162.D
Acq: 19 Jun 2016 5:14

Tgt Ion:240 Resp: 169304
Ion Ratio Lower Upper
240 100
120 15.0 6.8 10.2#
236 25.4 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

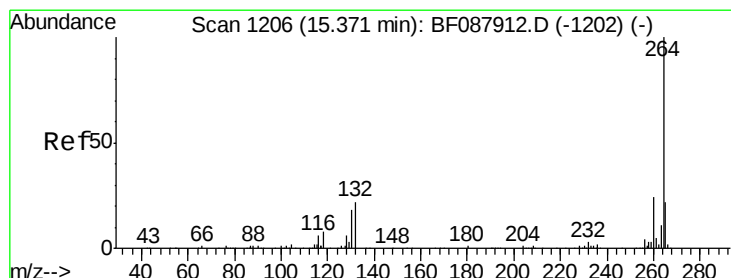
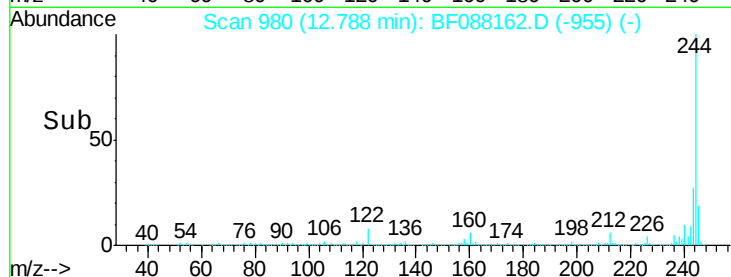
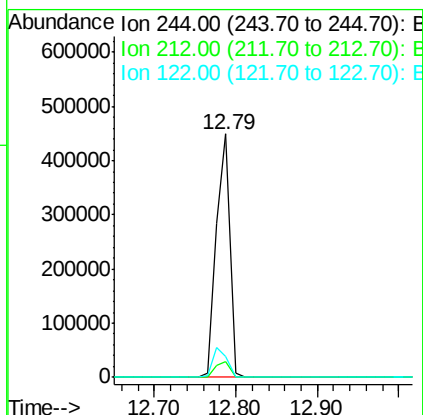
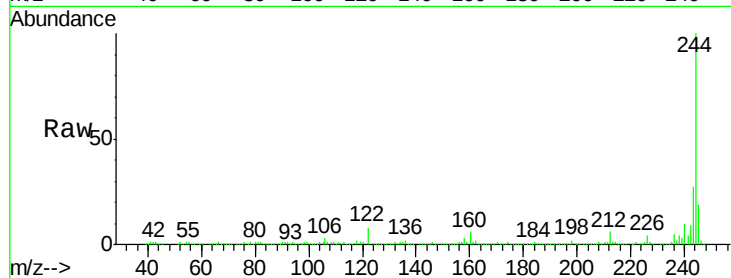




#78
 Terphenyl-d14
 Concen: 69.35 ng
 RT: 12.79 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: BF088162.D
 Acq: 19 Jun 2016 5:14

Instrument :
 BNA_F
 ClientSampleId :
 W-12

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.0	9.0
122	8.3	11.2	16.8#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.21 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF088162.D
 Acq: 19 Jun 2016 5:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.0	16.9	25.3

