

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060516\
 Data File : BF087734.D
 Acq On : 6 Jun 2016 4:21
 Operator : UM/SJ
 Sample : H3397-02
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EFFWW

Quant Time: Jun 06 04:52:31 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 04 11:07:28 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	106410	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	389202	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	196440	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	283499	20.00	ng	0.00
75) Chrysene-d12	14.03	240	220131	20.00	ng	0.01
86) Perylene-d12	15.46	264	217135	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	77331	11.75	ng	0.01
7) Phenol-d6	6.51	99	244093	29.56	ng	0.02
23) Nitrobenzene-d5	7.43	82	570585	84.82	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	159814	81.05	ng	0.01
44) 2-Fluorobiphenyl	9.23	172	1127884	89.76	ng	0.00
78) Terphenyl-d14	12.99	244	294412	32.64	ng	0.02

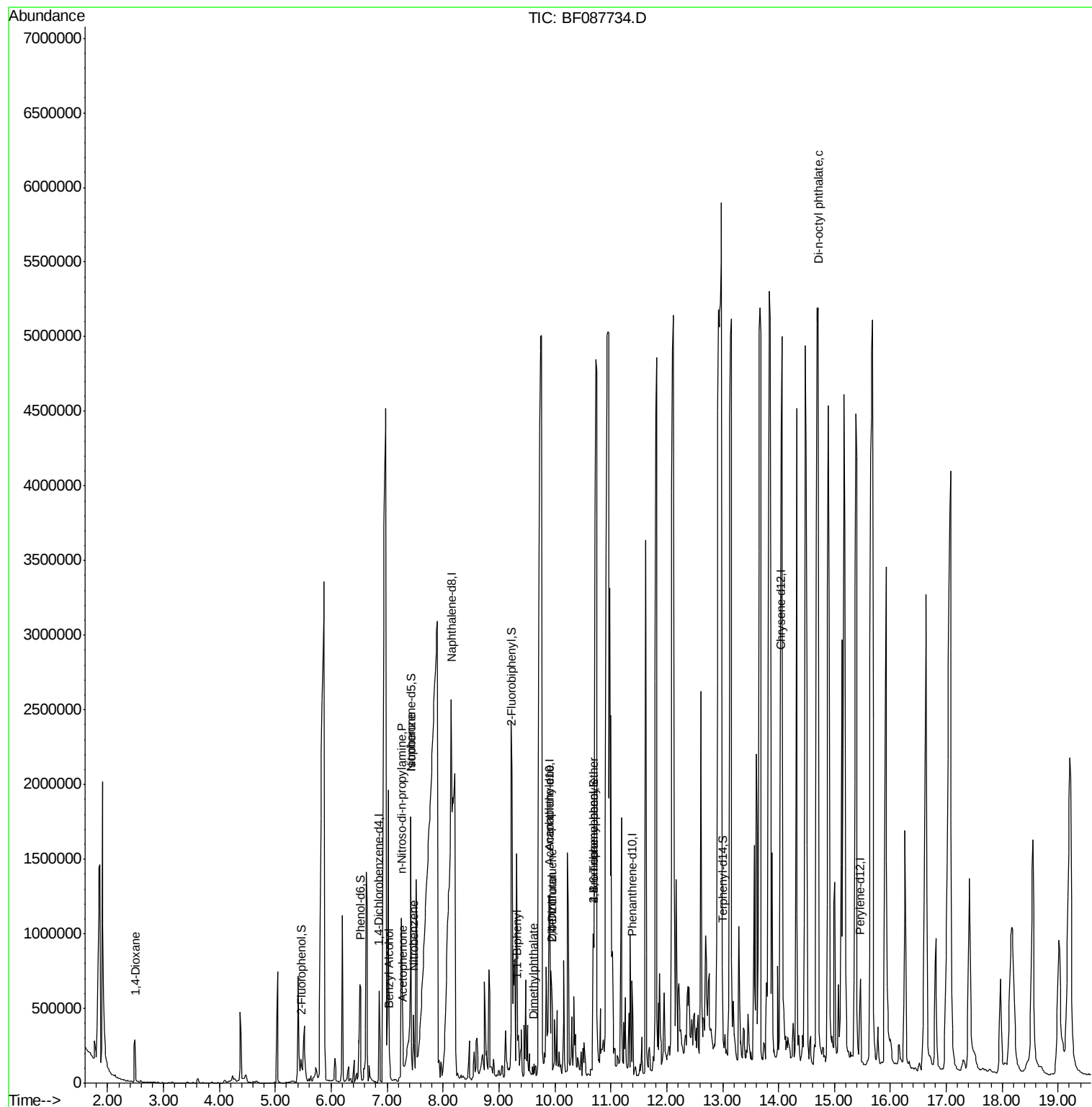
Target Compounds						Qvalue
2) 1,4-Dioxane	2.49	88	162856	51.18	ng	# 31
15) Benzyl Alcohol	7.04	79	48736	7.99	ng	97
19) n-Nitroso-di-n-propylamine	7.26	70	116195	22.53	ng	# 66
22) Acetophenone	7.28	105	25013	2.84	ng	# 95
24) Nitrobenzene	7.47	77	45903	6.82	ng	# 32
25) Isophorone	7.43	82	417112	34.06	ng	# 65
45) 1,1'-Biphenyl	9.32	154	33634	2.11	ng	97
48) Acenaphthylene	9.90	152	74390	3.76	ng	# 47
49) Dimethylphthalate	9.62	163	29892	2.09	ng	99
54) Dibenzofuran	9.94	168	146003	8.42	ng	# 64
56) 2,4-Dinitrotoluene	9.94	165	48395	11.70	ng	# 66
66) 4-Bromophenyl-phenylether	10.70	248	9777	3.48	ng	# 1
84) Di-n-octyl phthalate	14.71	149	967369	65.54	ng	# 100

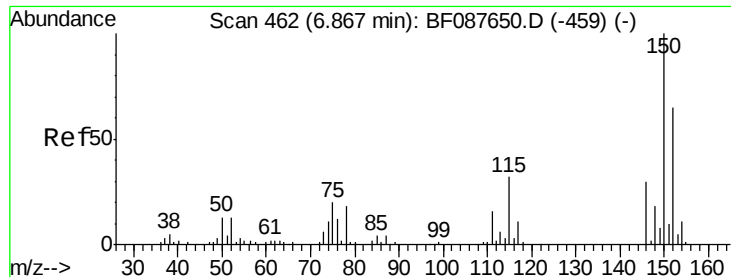
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 461

Delta R.T. -0.01 min

Lab File: BF087734.D

Acq: 6 Jun 2016 4:21

Instrument :

BNA_F

ClientSampleId :

EFFWW

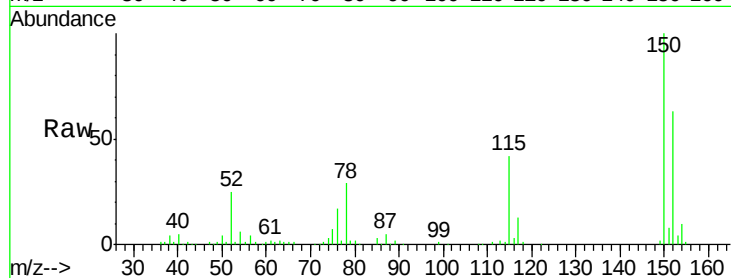
Tgt Ion:152 Resp: 106410

Ion Ratio Lower Upper

152 100

150 158.8 123.8 185.6

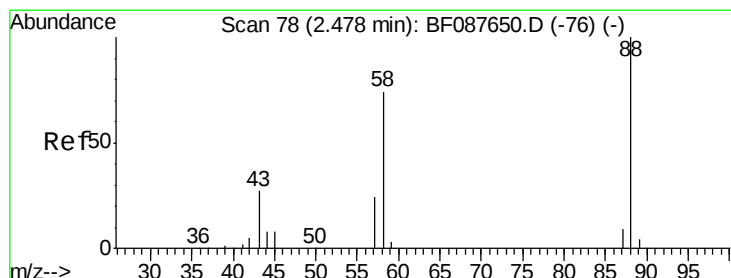
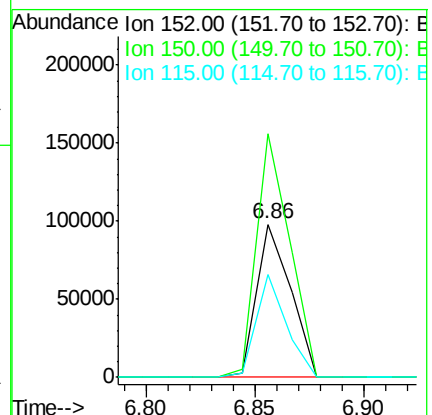
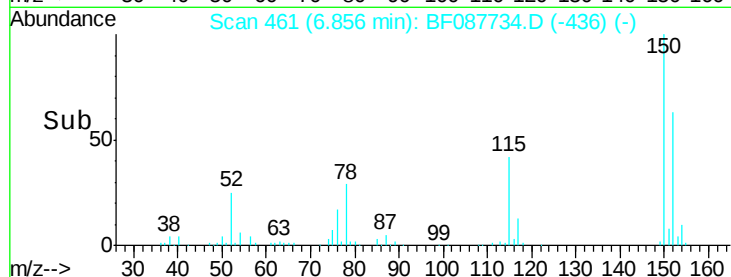
115 67.2 39.6 59.4#



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



#2

1,4-Dioxane

Concen: 51.18 ng

RT: 2.49 min Scan# 79

Delta R.T. 0.01 min

Lab File: BF087734.D

Acq: 6 Jun 2016 4:21

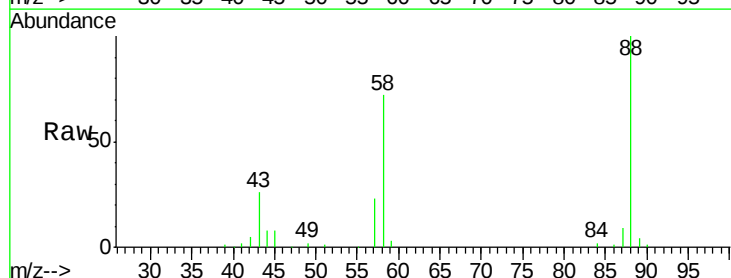
Tgt Ion: 88 Resp: 162856

Ion Ratio Lower Upper

88 100

58 73.9 0.0 0.0#

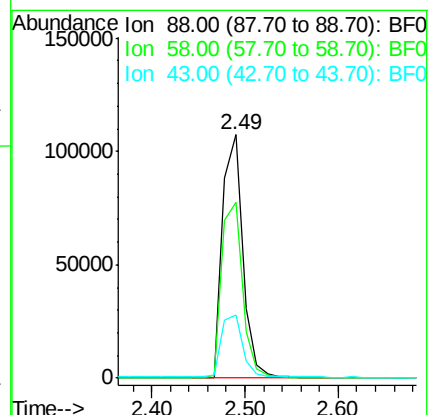
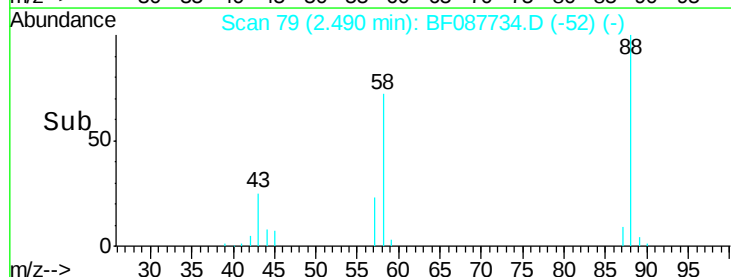
43 27.1 3.4 5.2#

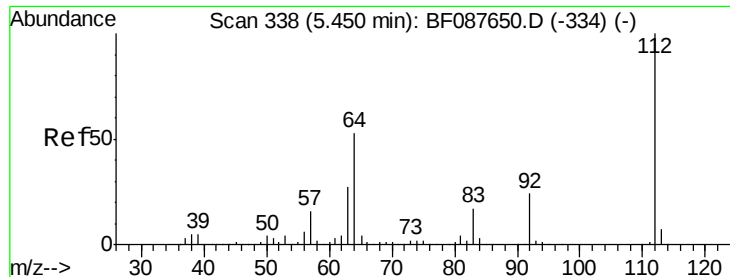


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 11.75 ng

RT: 5.46 min Scan# 339

Delta R.T. 0.01 min

Lab File: BF087734.D

Acq: 6 Jun 2016 4:21

Instrument :

BNA_F

ClientSampleId :

EFFWW

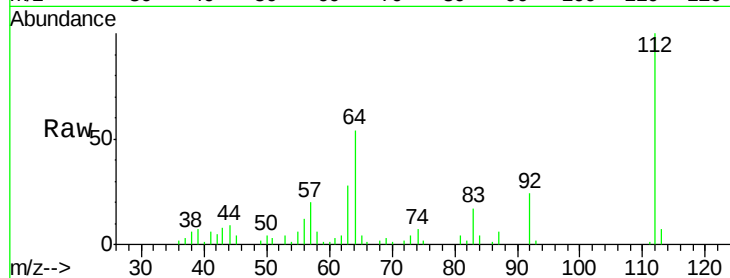
Tgt Ion: 112 Resp: 77331

Ion Ratio Lower Upper

112 100

64 54.3 42.2 63.2

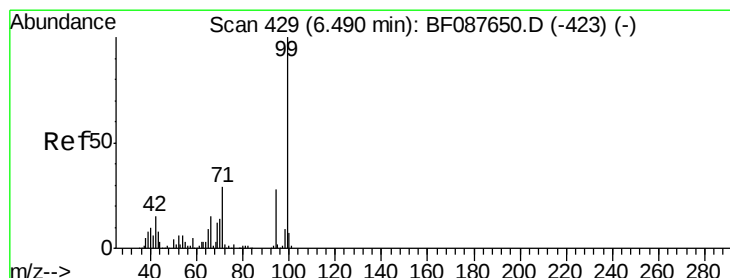
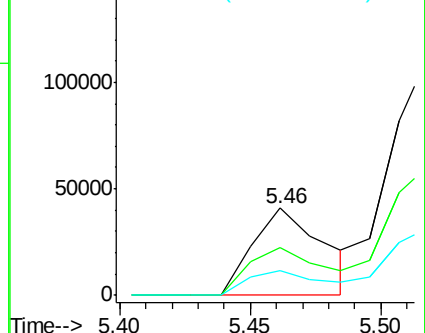
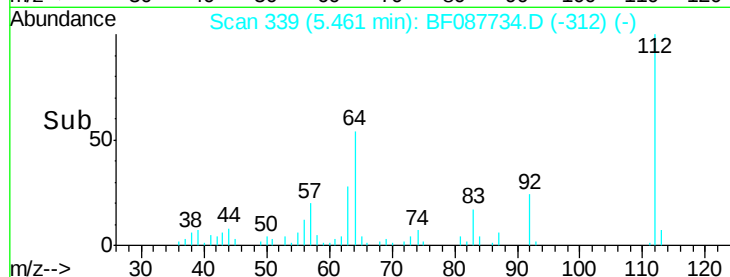
63 28.0 21.8 32.8



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: 29.56 ng

RT: 6.51 min Scan# 431

Delta R.T. 0.02 min

Lab File: BF087734.D

Acq: 6 Jun 2016 4:21

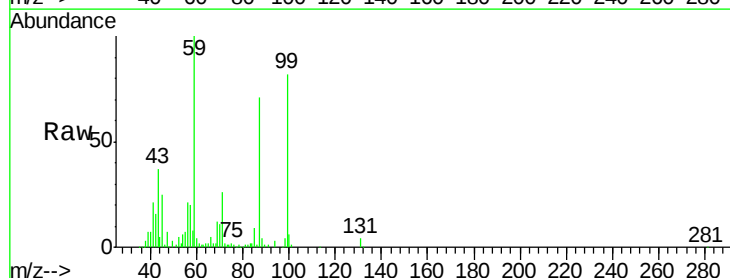
Tgt Ion: 99 Resp: 244093

Ion Ratio Lower Upper

99 100

42 19.7 12.2 18.2#

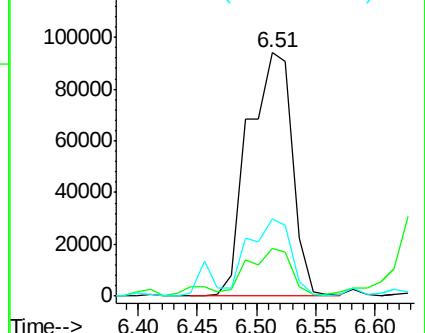
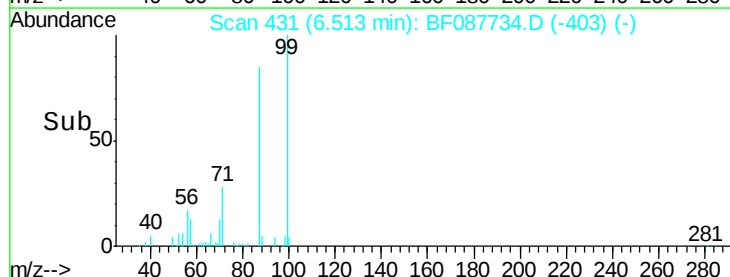
71 31.7 23.4 35.0

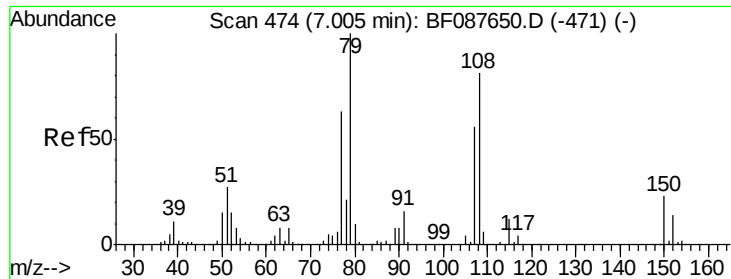


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#15

Benzyl Alcohol

Concen: 7.99 ng

RT: 7.04 min Scan# 477

Delta R.T. 0.03 min

Lab File: BF087734.D

Acq: 6 Jun 2016 4:21

Instrument :

BNA_F

ClientSampleId :

EFFWW

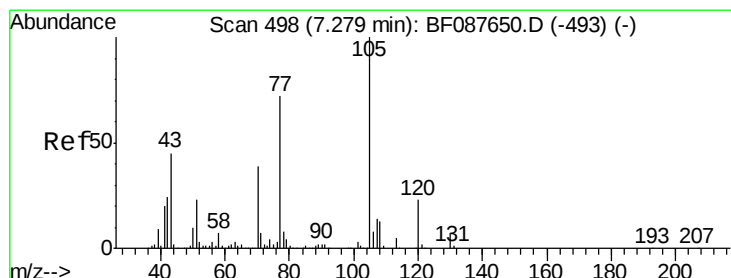
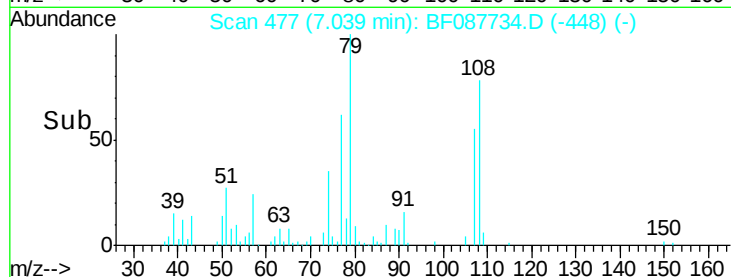
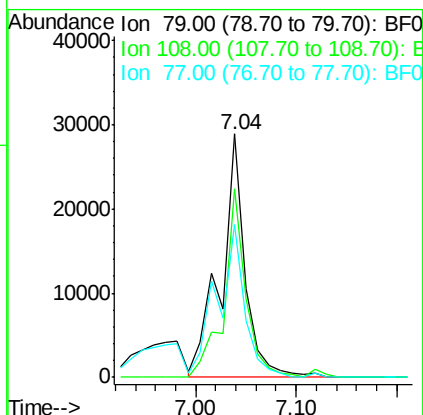
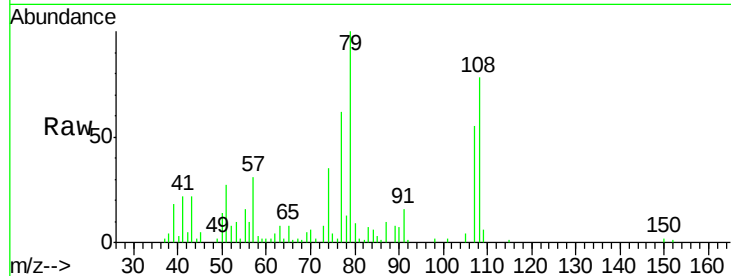
Tgt Ion: 79 Resp: 48736

Ion Ratio Lower Upper

79 100

108 77.6 65.0 97.6

77 62.5 50.3 75.5



#19

n-Nitroso-di-n-propylamine

Concen: 22.53 ng

RT: 7.26 min Scan# 496

Delta R.T. -0.02 min

Lab File: BF087734.D

Acq: 6 Jun 2016 4:21

Tgt Ion: 70 Resp: 116195

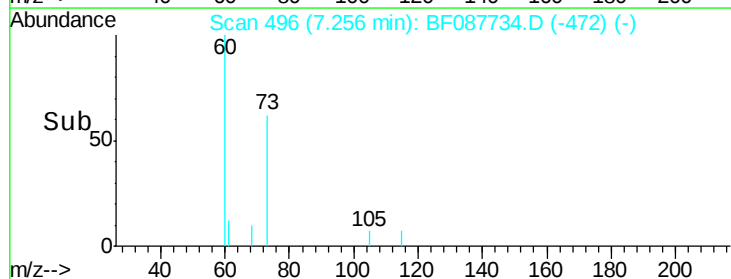
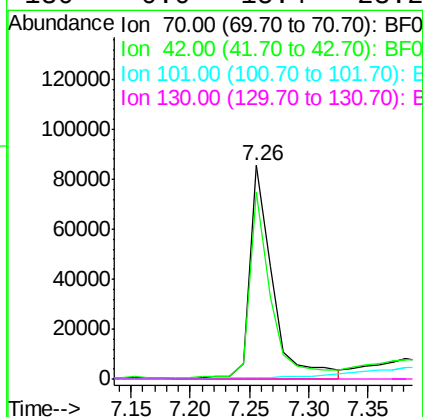
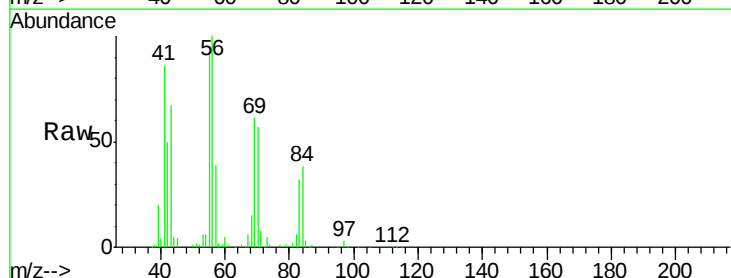
Ion Ratio Lower Upper

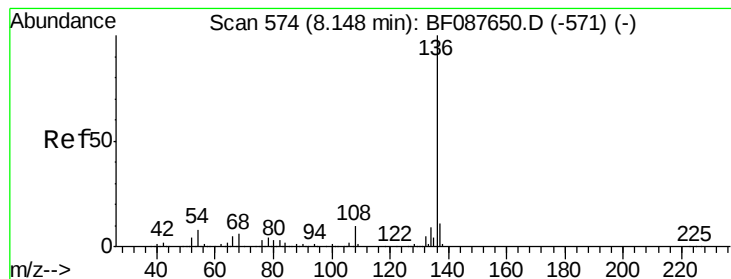
70 100

42 87.7 49.6 74.4#

101 0.6 7.1 10.7#

130 0.0 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.15 min Scan# 574

Delta R.T. -0.00 min

Lab File: BF087734.D

Acq: 6 Jun 2016 4:21

Instrument :

BNA_F

ClientSampleId :

EFFWW

Tgt Ion:136 Resp: 389202

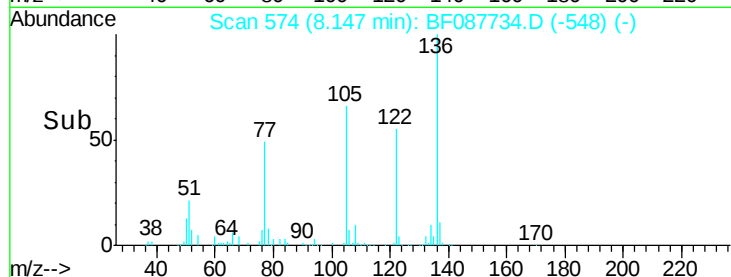
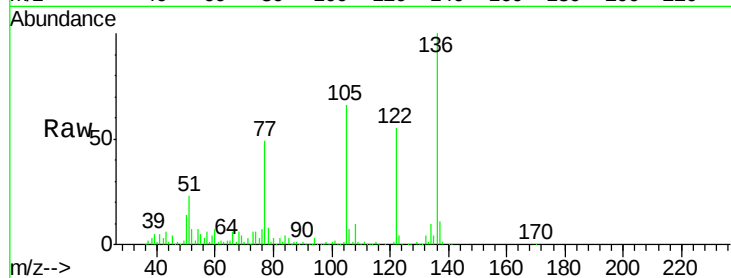
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 7.0 6.6 10.0

68 5.6 5.1 7.7

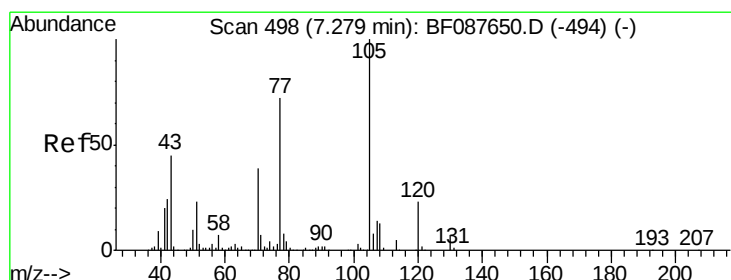
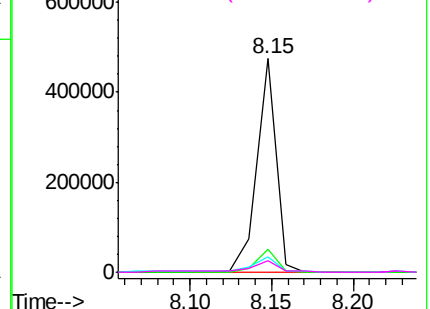


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 2.84 ng

RT: 7.28 min Scan# 498

Delta R.T. -0.00 min

Lab File: BF087734.D

Acq: 6 Jun 2016 4:21

Tgt Ion:105 Resp: 25013

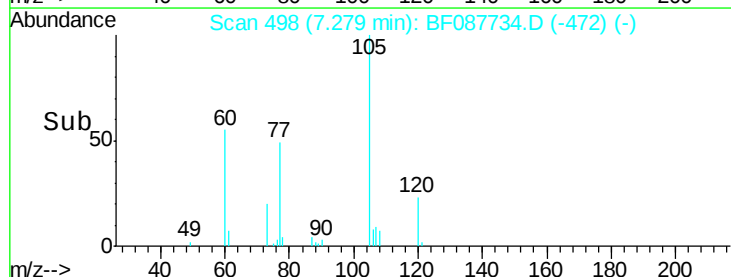
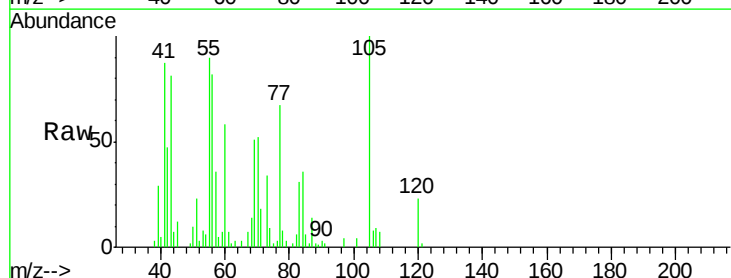
Ion Ratio Lower Upper

105 100

71 18.1 5.3 7.9#

51 23.1 18.2 27.4

120 22.9 18.0 27.0

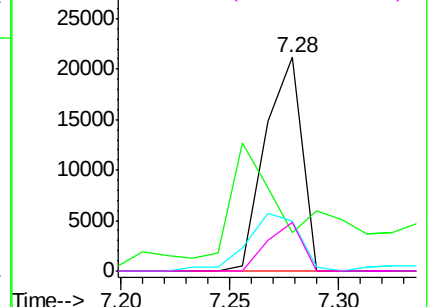


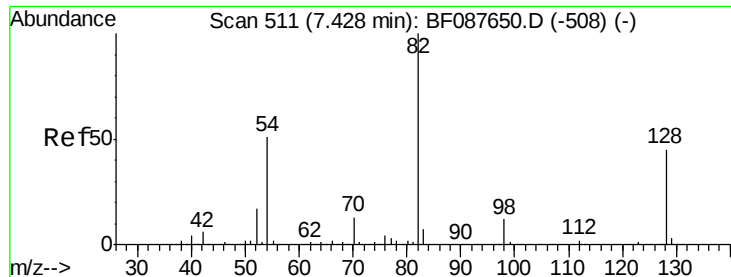
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

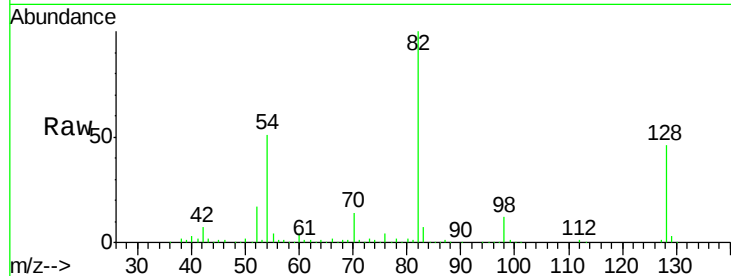




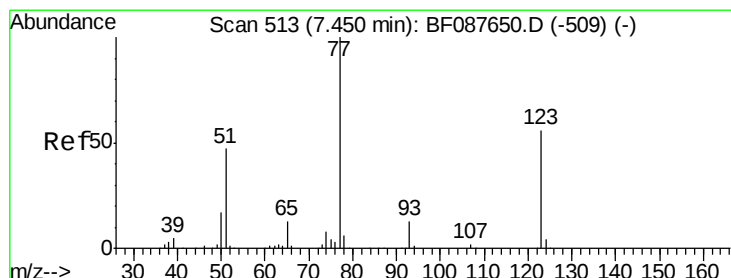
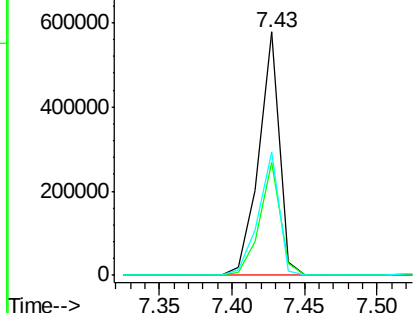
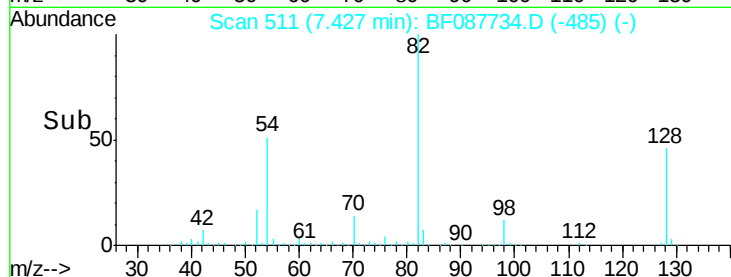
#23
Nitrobenzene-d5
Concen: 84.82 ng
RT: 7.43 min Scan# 511
Delta R.T. -0.00 min
Lab File: BF087734.D
Acq: 6 Jun 2016 4:21

Instrument :
BNA_F
ClientSampleId :
EFFWW

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.3	35.9	53.9
54	50.7	40.9	61.3

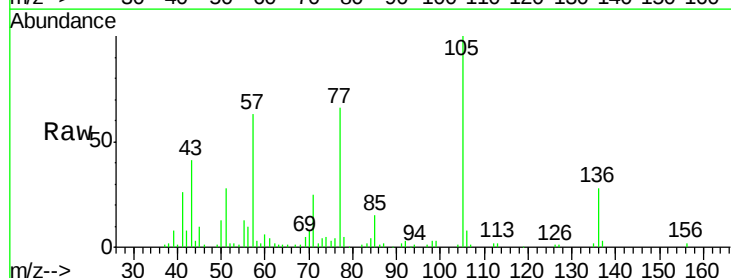


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

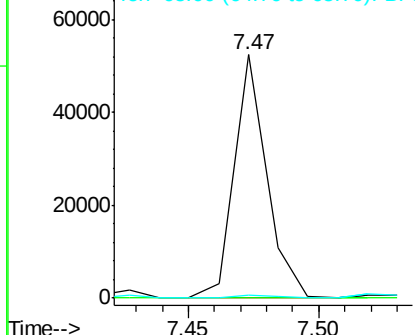
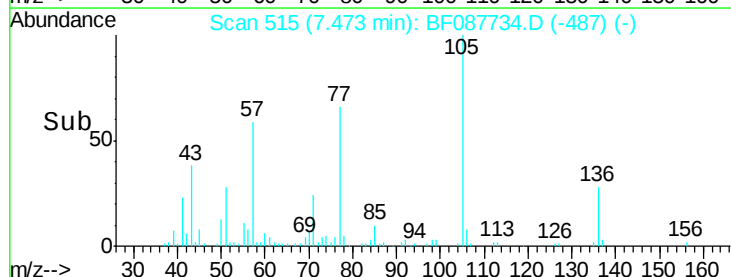


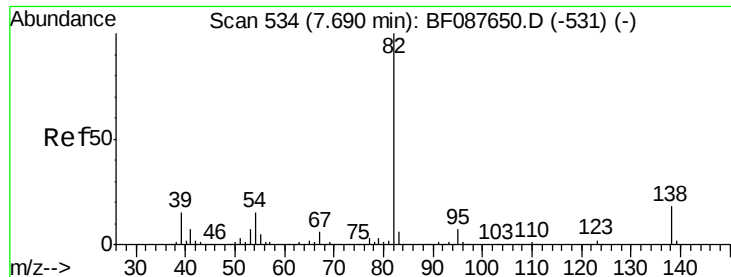
#24
Nitrobenzene
Concen: 6.82 ng
RT: 7.47 min Scan# 515
Delta R.T. 0.02 min
Lab File: BF087734.D
Acq: 6 Jun 2016 4:21

Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.0	45.0	67.4#
65	1.5	10.2	15.2#



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): B
Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 34.06 ng

RT: 7.43 min Scan# 511

Delta R.T. -0.26 min

Lab File: BF087734.D

Acq: 6 Jun 2016 4:21

Instrument :

BNA_F

ClientSampleId :

EFFWW

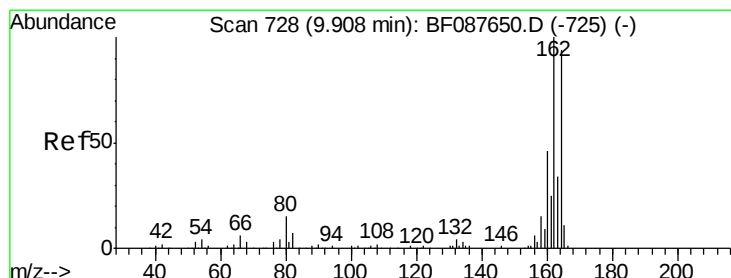
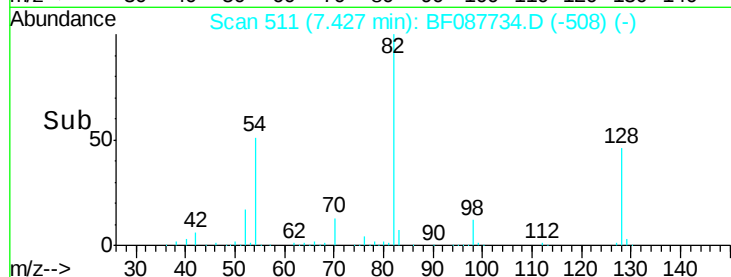
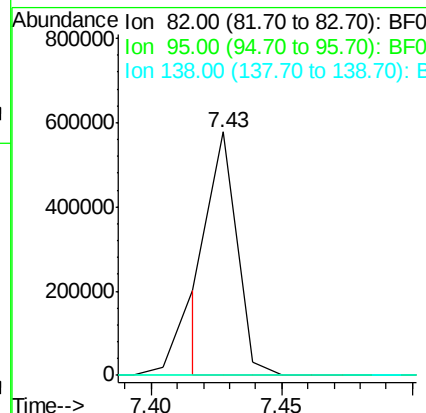
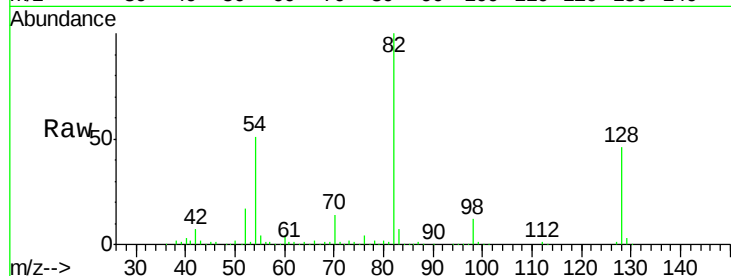
Tgt Ion: 82 Resp: 417112

Ion Ratio Lower Upper

82 100

95 0.1 5.4 8.2#

138 0.0 14.6 21.8#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.91 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF087734.D

Acq: 6 Jun 2016 4:21

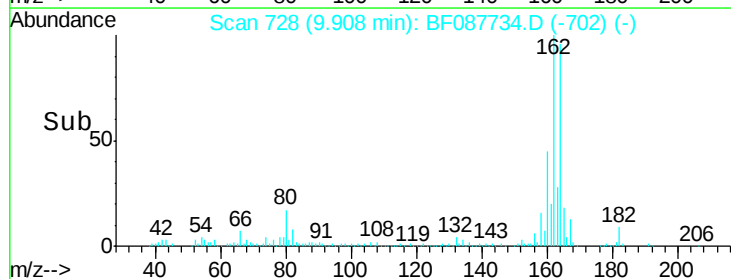
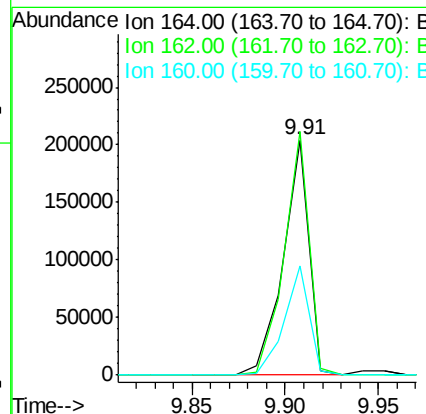
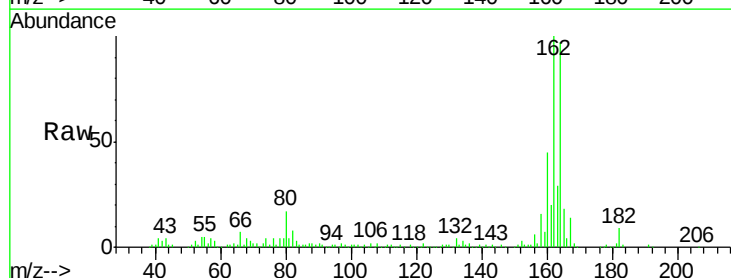
Tgt Ion: 164 Resp: 196440

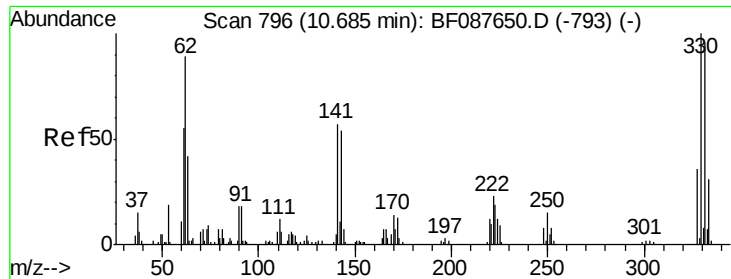
Ion Ratio Lower Upper

164 100

162 103.6 85.4 128.2

160 46.5 39.5 59.3

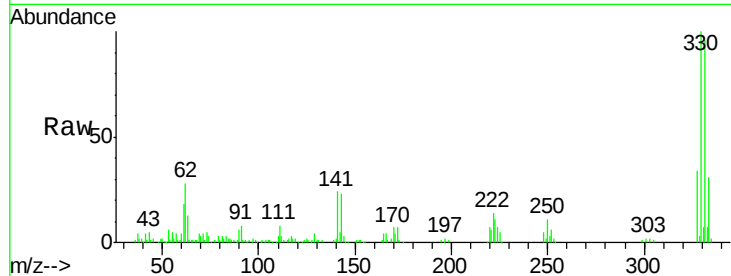




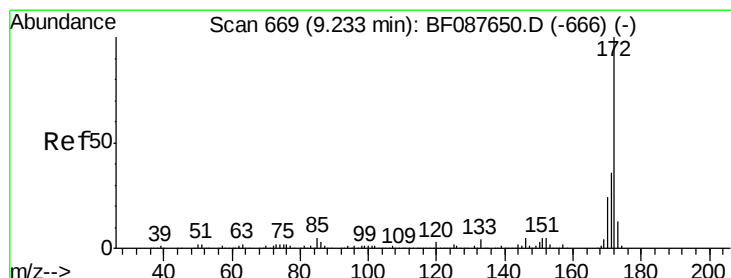
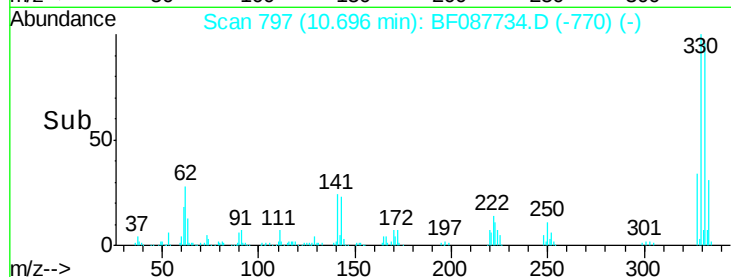
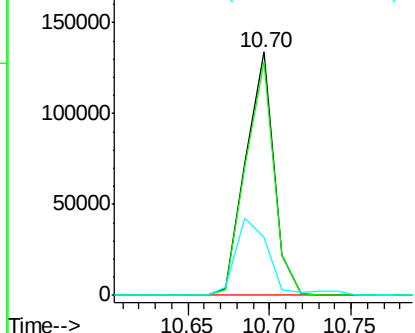
#41
 2,4,6-Tribromophenol
 Concen: 81.05 ng
 RT: 10.70 min Scan# 797
 Delta R.T. 0.01 min
 Lab File: BF087734.D
 Acq: 6 Jun 2016 4:21

Instrument :
 BNA_F
 ClientSampleId :
 EFFWW

Tgt Ion:330 Resp: 159814
 Ion Ratio Lower Upper
 330 100
 332 96.5 0.0 0.0#
 141 38.6 0.0 0.0#

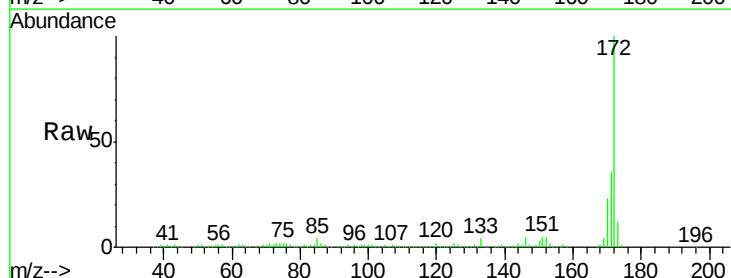


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

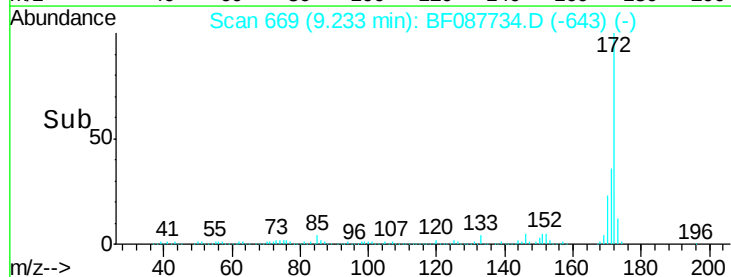
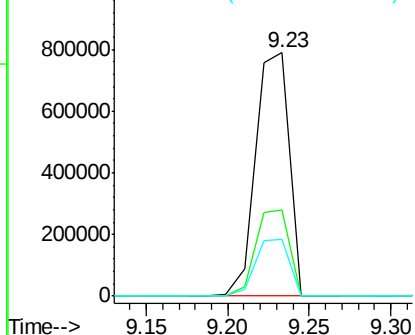


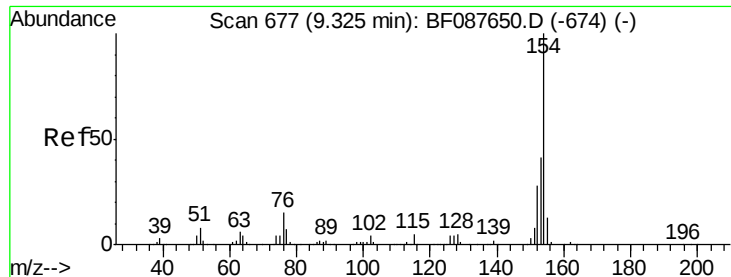
#44
 2-Fluorobiphenyl
 Concen: 89.76 ng
 RT: 9.23 min Scan# 669
 Delta R.T. 0.00 min
 Lab File: BF087734.D
 Acq: 6 Jun 2016 4:21

Tgt Ion:172 Resp: 1127884
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.6 43.0
 170 23.3 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: 2.11 ng

RT: 9.32 min Scan# 677

Delta R.T. 0.00 min

Lab File: BF087734.D

Acq: 6 Jun 2016 4:21

Instrument :

BNA_F

ClientSampleId :

EFFWW

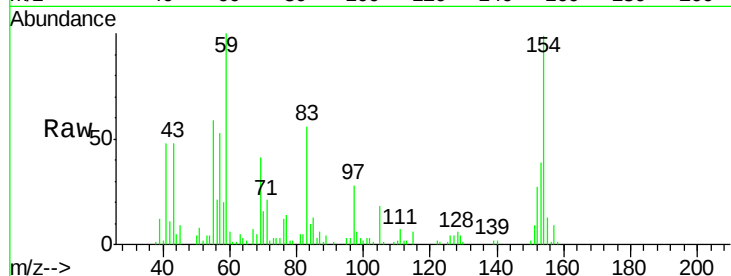
Tgt Ion:154 Resp: 33634

Ion Ratio Lower Upper

154 100

153 39.6 20.6 60.6

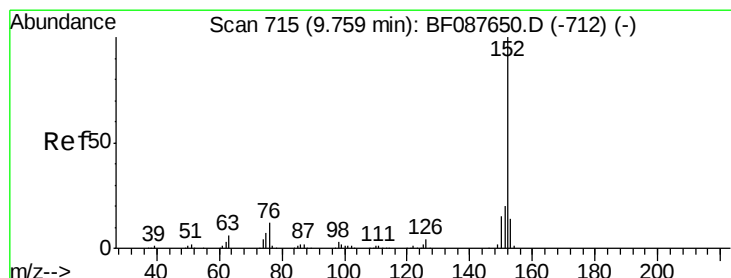
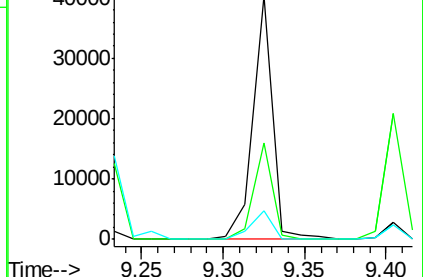
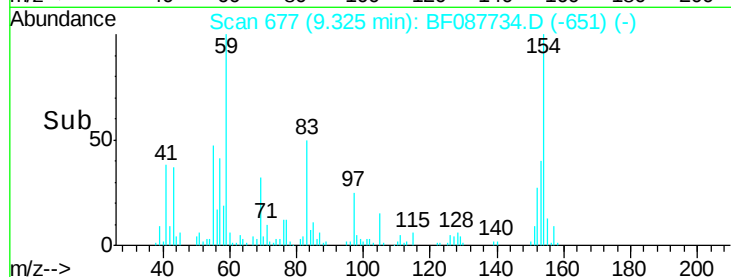
76 11.7 0.0 35.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#48

Acenaphthylene

Concen: 3.76 ng

RT: 9.90 min Scan# 727

Delta R.T. 0.14 min

Lab File: BF087734.D

Acq: 6 Jun 2016 4:21

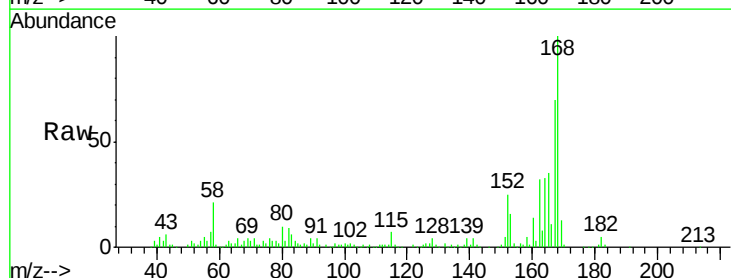
Tgt Ion:152 Resp: 74390

Ion Ratio Lower Upper

152 100

151 19.0 16.2 24.4

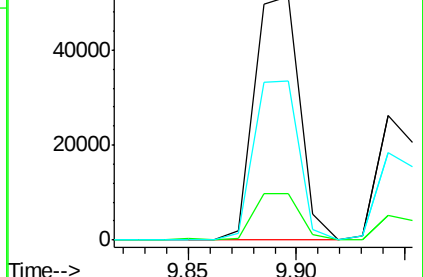
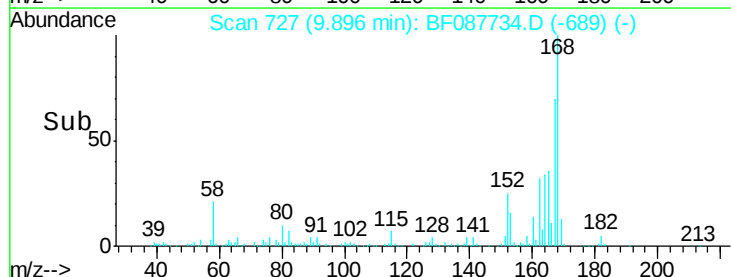
153 65.2 11.0 16.6#

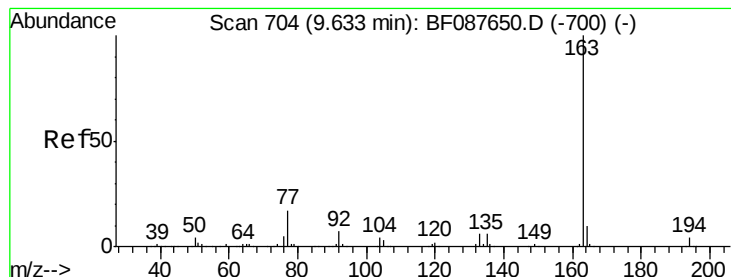


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 2.09 ng

RT: 9.62 min Scan# 703

Delta R.T. -0.01 min

Lab File: BF087734.D

Acq: 6 Jun 2016 4:21

Instrument :

BNA_F

ClientSampleId :

EFFWW

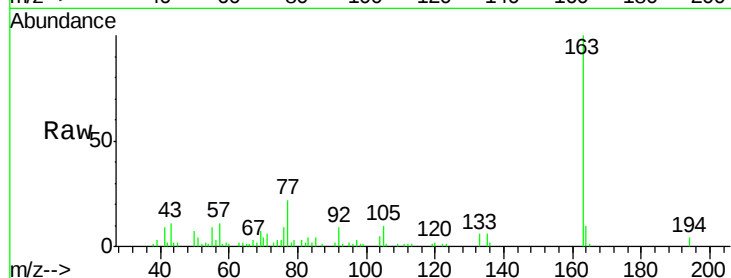
Tgt Ion:163 Resp: 29892

Ion Ratio Lower Upper

163 100

194 3.6 2.8 4.2

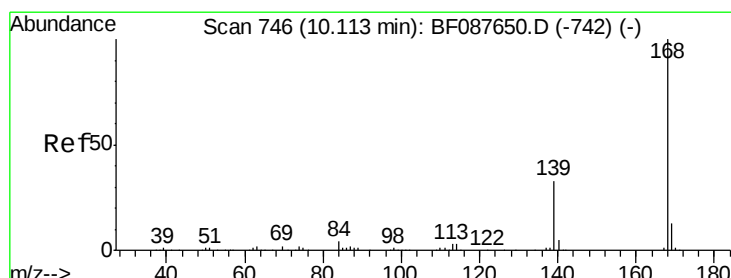
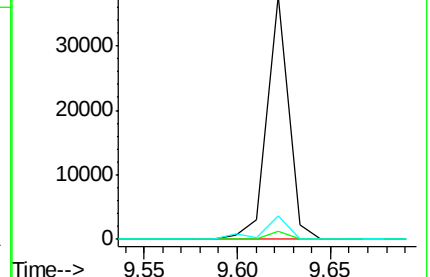
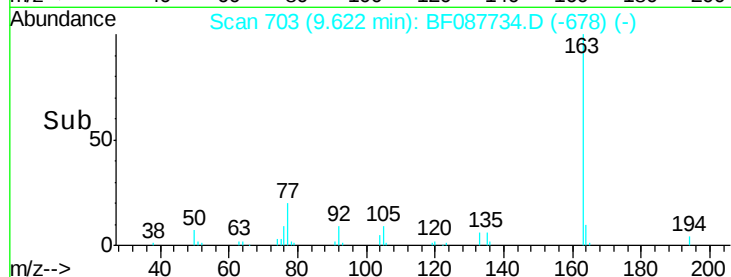
164 9.7 8.3 12.5



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



#54

Dibenzofuran

Concen: 8.42 ng

RT: 9.94 min Scan# 731

Delta R.T. -0.17 min

Lab File: BF087734.D

Acq: 6 Jun 2016 4:21

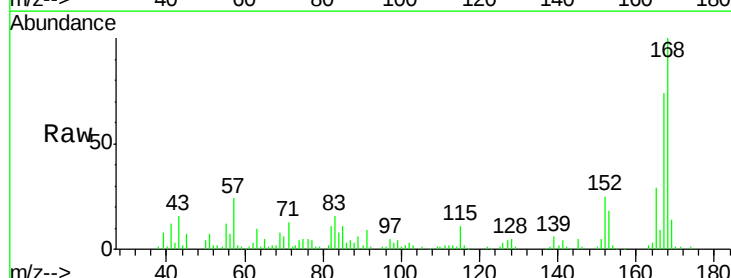
Tgt Ion:168 Resp: 146003

Ion Ratio Lower Upper

168 100

139 5.5 26.4 39.6#

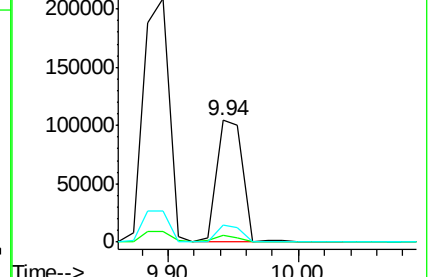
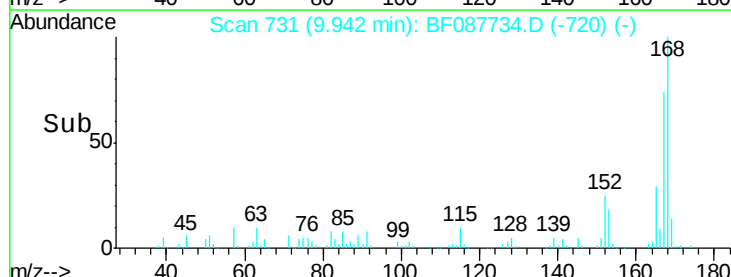
169 13.9 10.4 15.6

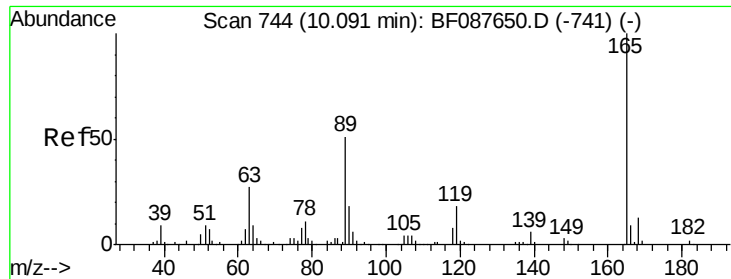


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

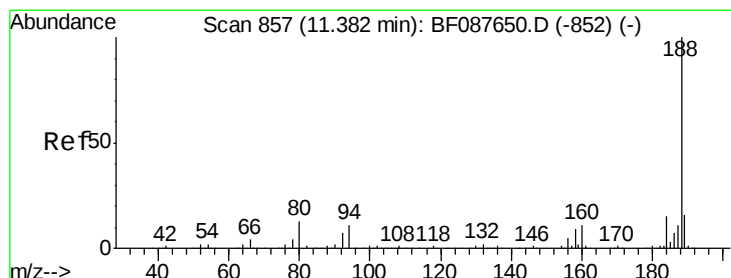
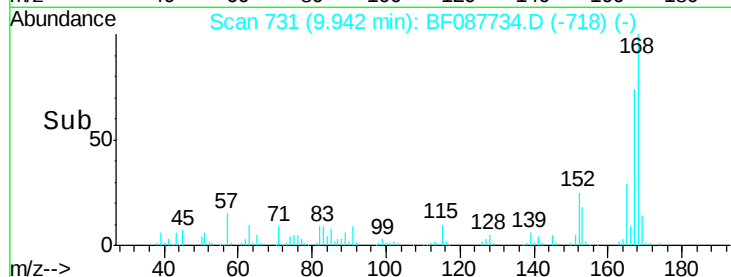
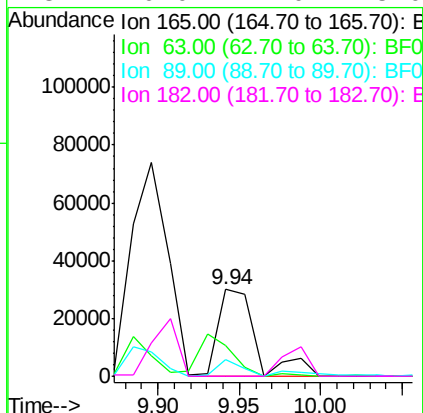
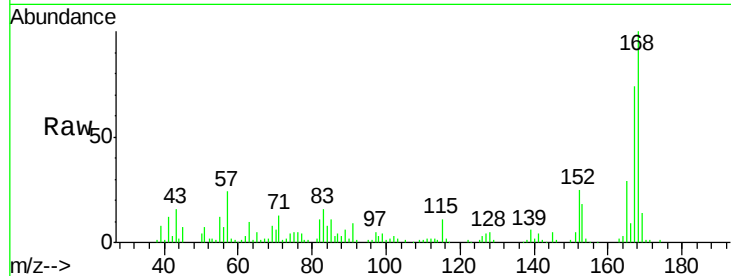




#56
 2,4-Dinitrotoluene
 Concen: 11.70 ng
 RT: 9.94 min Scan# 731
 Delta R.T. -0.15 min
 Lab File: BF087734.D
 Acq: 6 Jun 2016 4:21

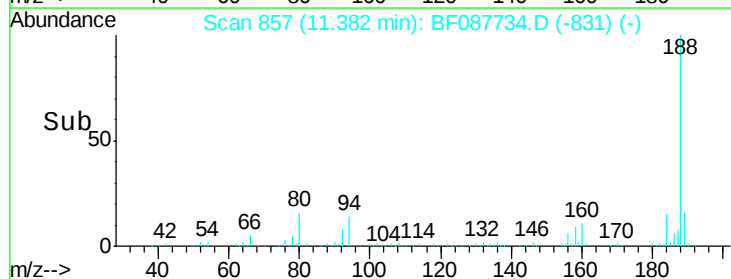
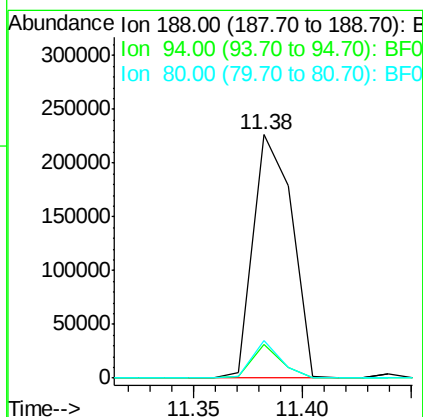
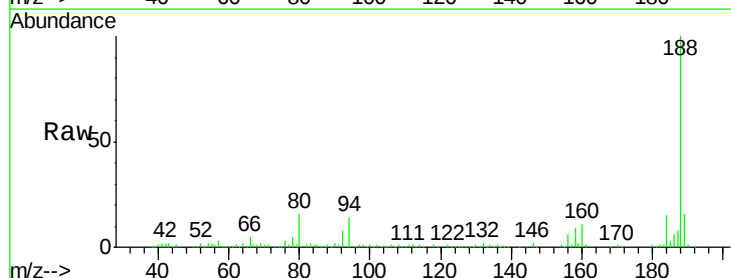
Instrument :
 BNA_F
 ClientSampleId :
 EFFWW

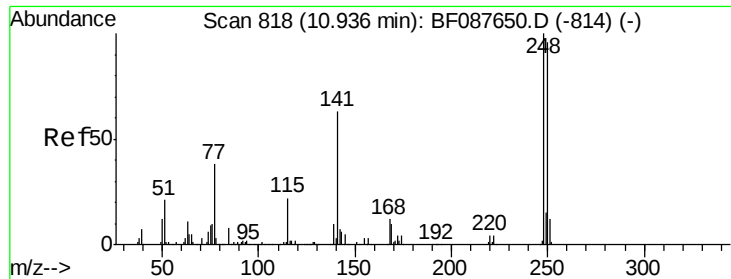
Tgt Ion	Ratio	Lower	Upper
165	100		
63	34.7	22.0	33.0#
89	19.4	41.1	61.7#
182	0.0	2.0	3.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.38 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: BF087734.D
 Acq: 6 Jun 2016 4:21

Tgt Ion	Ratio	Lower	Upper
188	100		
94	14.1	9.0	13.6#
80	15.5	10.0	15.0#

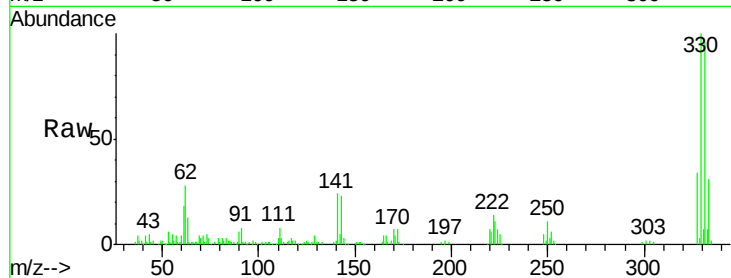




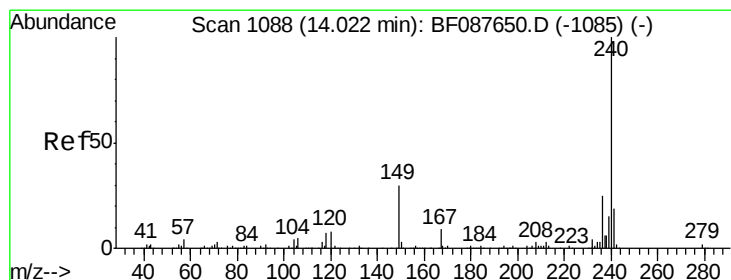
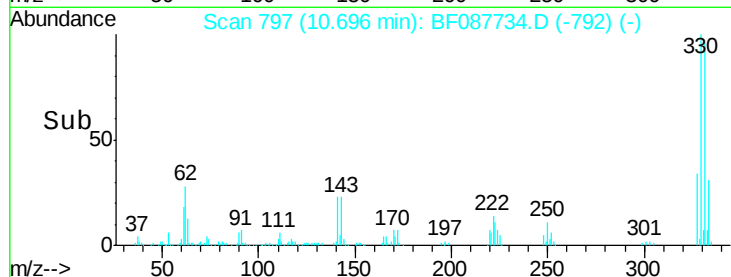
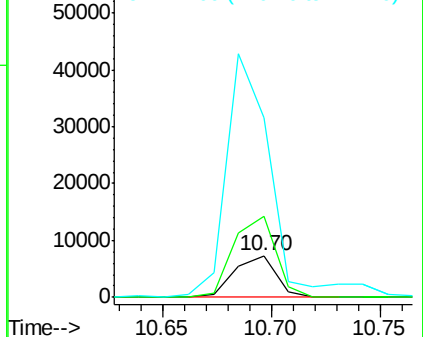
#66
4-Bromophenyl-phenylether
Concen: 3.48 ng
RT: 10.70 min Scan# 797
Delta R.T. -0.24 min
Lab File: BF087734.D
Acq: 6 Jun 2016 4:21

Instrument :
BNA_F
ClientSampled :
EFFWW

Tgt Ion:248 Resp: 9777
Ion Ratio Lower Upper
248 100
250 195.0 77.1 115.7#
141 433.0 50.6 76.0#

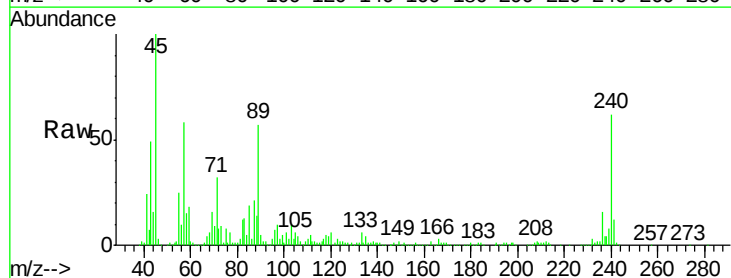


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

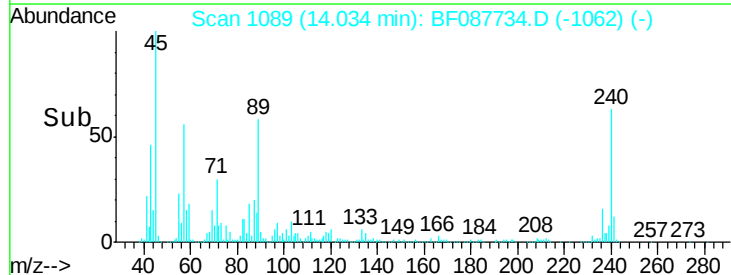
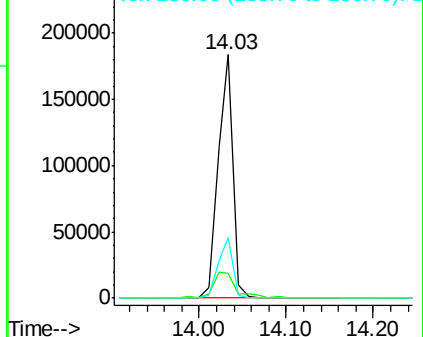


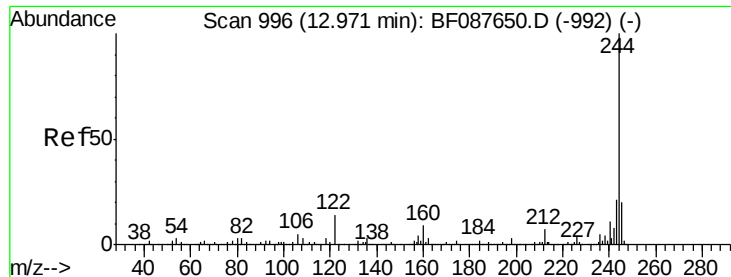
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.03 min Scan# 1089
Delta R.T. 0.01 min
Lab File: BF087734.D
Acq: 6 Jun 2016 4:21

Tgt Ion:240 Resp: 220131
Ion Ratio Lower Upper
240 100
120 10.0 6.8 10.2
236 25.1 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: 32.64 ng

RT: 12.99 min Scan# 998

Delta R.T. 0.02 min

Lab File: BF087734.D

Acq: 6 Jun 2016 4:21

Instrument :

BNA_F

ClientSampleId :

EFFWW

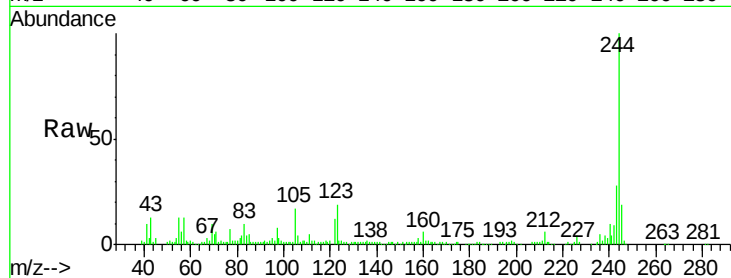
Tgt Ion:244 Resp: 294412

Ion Ratio Lower Upper

244 100

212 6.3 6.0 9.0

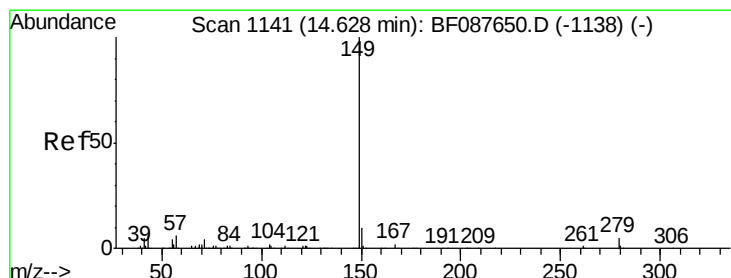
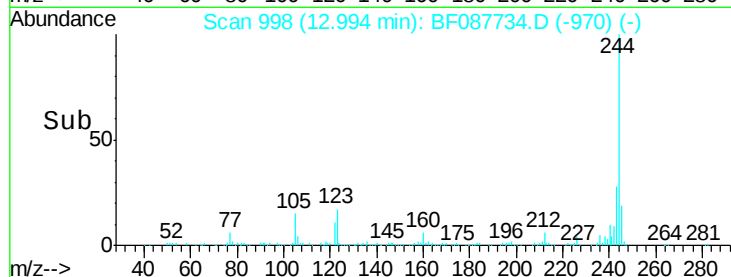
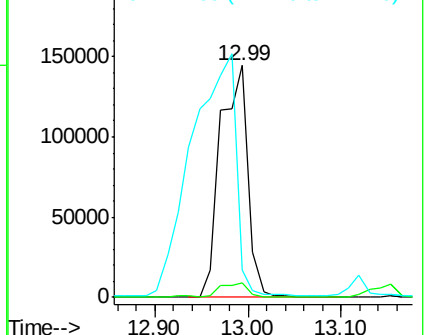
122 11.6 11.2 16.8



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



#84

Di-n-octyl phthalate

Concen: 65.54 ng

RT: 14.71 min Scan# 1148

Delta R.T. 0.08 min

Lab File: BF087734.D

Acq: 6 Jun 2016 4:21

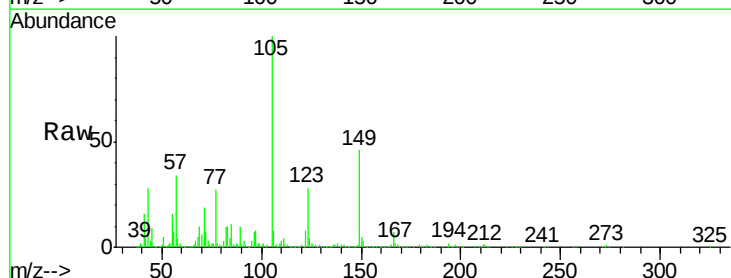
Tgt Ion:149 Resp: 967369

Ion Ratio Lower Upper

149 100

167 3.9 0.0 0.0#

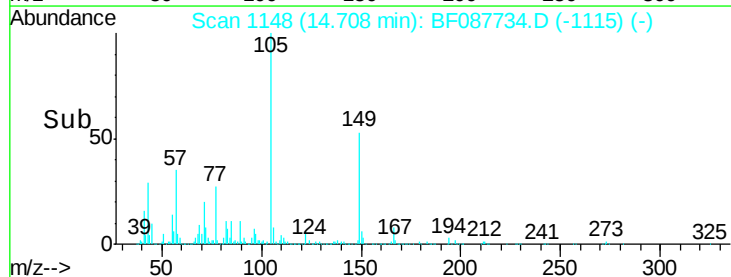
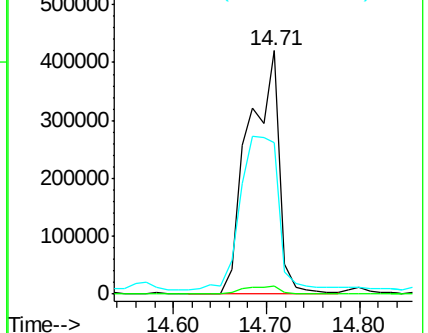
43 0.0 0.0 0.0

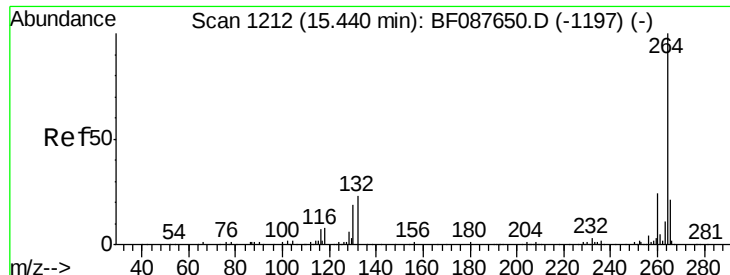


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

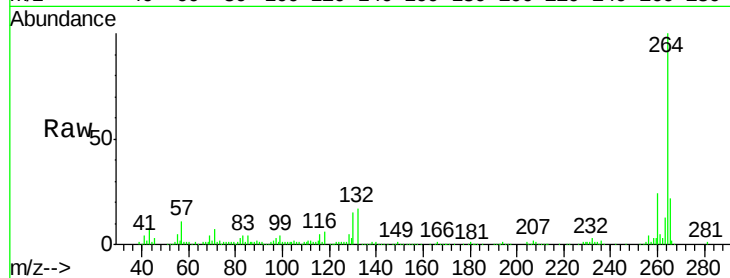




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 1214
Delta R.T. 0.02 min
Lab File: BF087734.D
Acq: 6 Jun 2016 4:21

Instrument :
BNA_F
ClientSampleId :
EFFWW

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.6	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

