

Data Path : Z:\HPCHEM1\BNA_F\Data\BF062316\
 Data File : BF088328.D
 Acq On : 24 Jun 2016 11:25
 Operator : UM/SJ
 Sample : H3084-01DL2 100X
 Misc :
 ALS Vial : 32 Sample Multiplier: 0.25

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 24 12:48:48 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

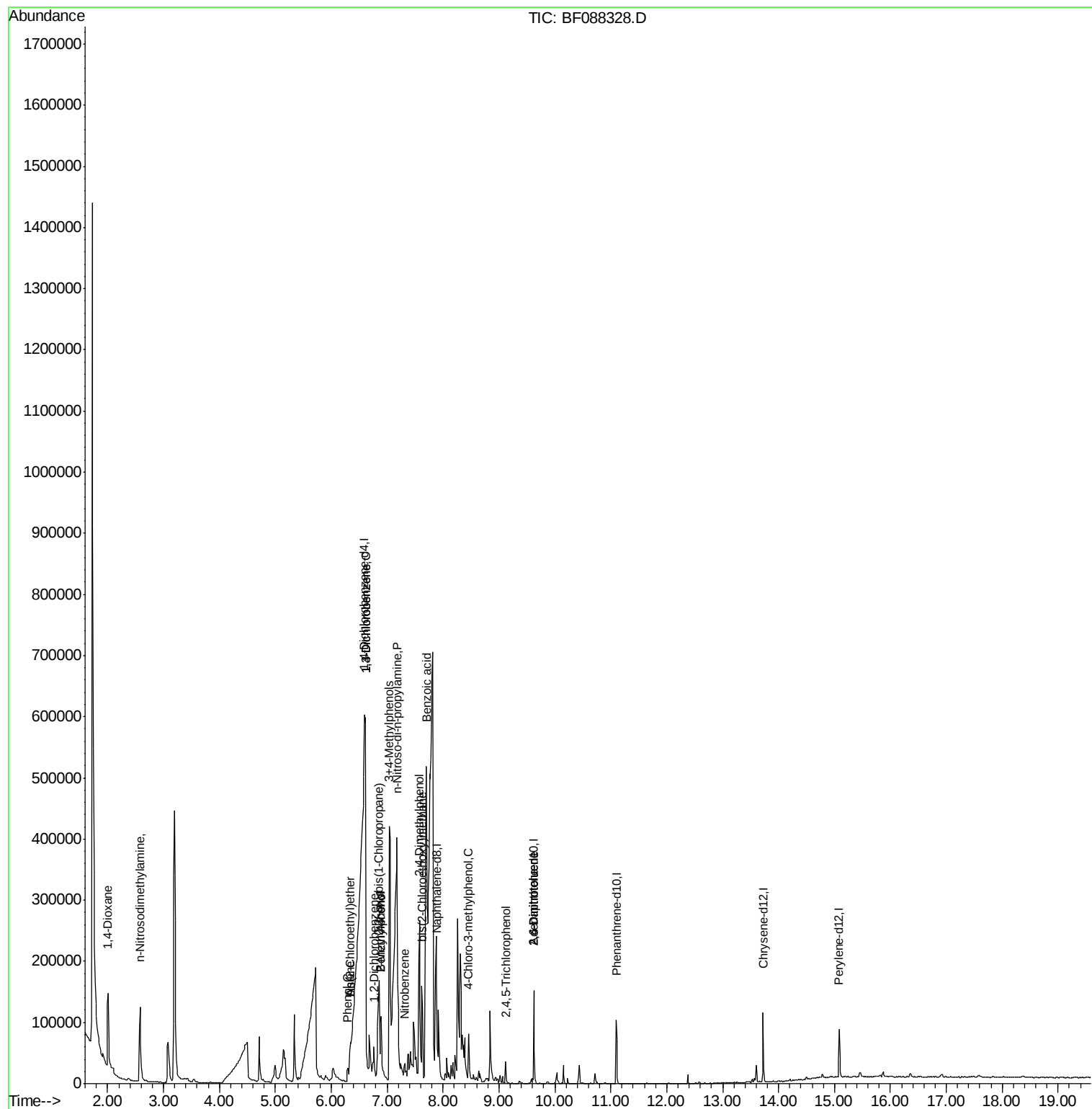
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	15925	5.00	ng	-0.01
21) Naphthalene-d8	7.88	136	77595	5.00	ng	-0.01
38) Acenaphthene-d10	9.62	164	34409	5.00	ng	-0.02
63) Phenanthrene-d10	11.10	188	55959	5.00	ng	-0.02
75) Chrysene-d12	13.73	240	40744	5.00	ng	-0.02
86) Perylene-d12	15.09	264	35307	5.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	7.20	82	2372	0.45	ng	0.02
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	8.96	172	414	-1.43	ng	-0.01
78) Terphenyl-d14	12.67	244	982	0.14	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	2.01	88	86376	47.71	ng	# 33
4) n-Nitrosodimethylamine	2.58	42	5526	3.05	ng	# 1
6) Aniline	6.34	93	23425	3.64	ng	# 60
10) Phenol	6.30	94	29531	6.05	ng	99
11) bis(2-Chloroethyl)ether	6.34	93	23425	5.92	ng	84
14) 1,2-Dichlorobenzene	6.76	146	16395	3.78	ng	97
15) Benzyl Alcohol	6.89	79	14623	4.14	ng	# 1
16) 2,2'-oxybis(1-Chloropropan	6.86	45	14713	2.75	ng	71
17) 2-Methylphenol	6.89	107	36478	10.20	ng	96
19) n-Nitroso-di-n-propylamine	7.18	70	48041	16.63	ng	# 52
20) 3+4-Methylphenols	7.04	107	211961	50.79	ng	# 75
27) 2,4-Dimethylphenol	7.58	122	94128	18.54	ng	90
32) Benzoic acid	7.70	122	159372	57.00	ng	# 13
45) 1,1'-Biphenyl	9.06	154	255	Below Cal		# 43

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

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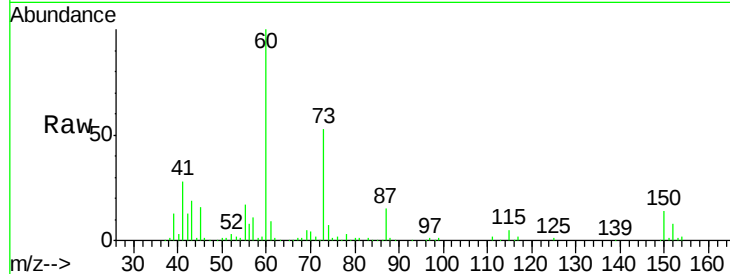


#1

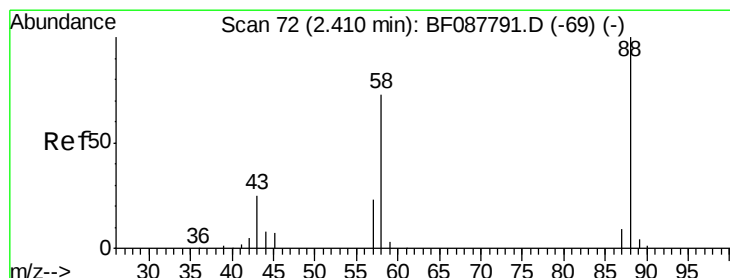
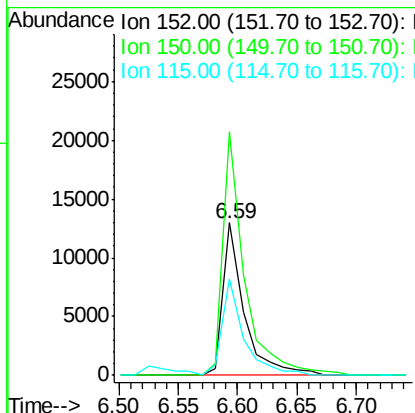
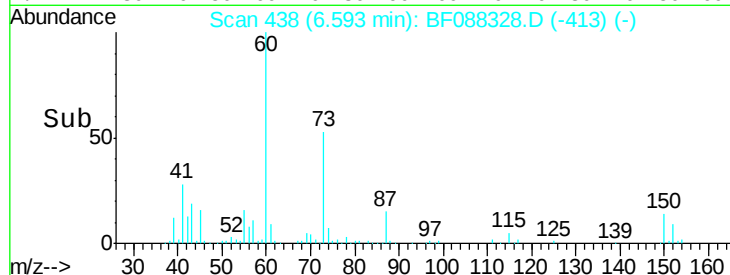
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 6.59 min Scan# 438
Delta R.T. -0.01 min
Lab File: BF088328.D
Acq: 24 Jun 2016 11:25

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 15925
Ion Ratio Lower Upper
152 100
150 159.6 123.8 185.6
115 63.3 39.6 59.4#



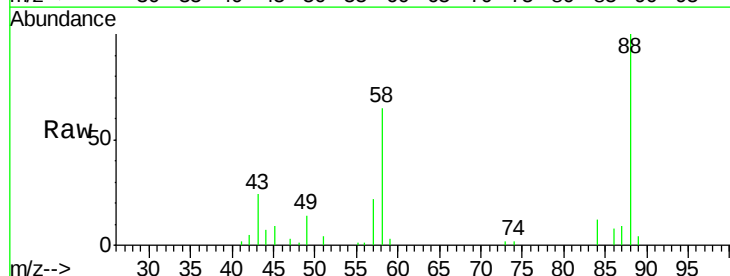
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



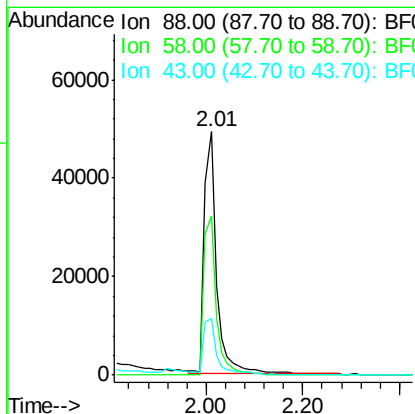
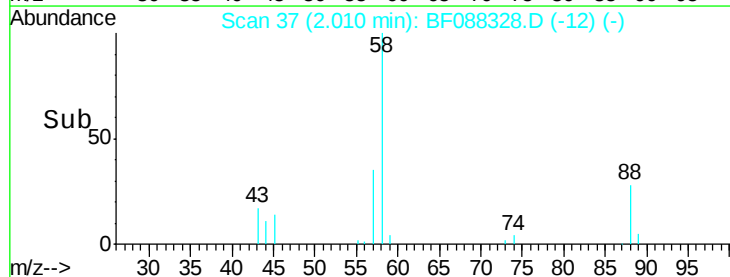
#2

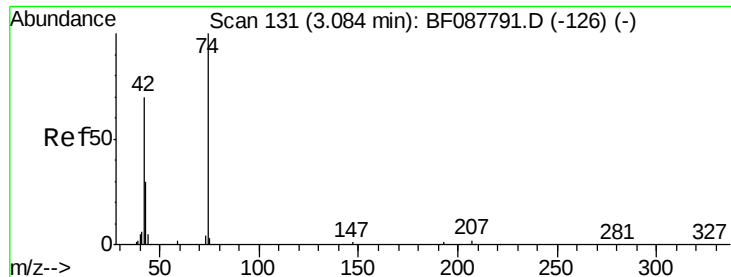
1,4-Dioxane
Concen: 47.71 ng
RT: 2.01 min Scan# 37
Delta R.T. -0.01 min
Lab File: BF088328.D
Acq: 24 Jun 2016 11:25

Tgt Ion: 88 Resp: 86376
Ion Ratio Lower Upper
88 100
58 66.5 0.0 0.0#
43 26.4 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





#4

n-Nitrosodimethylamine

Concen: 3.05 ng

RT: 2.58 min Scan# 87

Delta R.T. -0.05 min

Lab File: BF088328.D

Acq: 24 Jun 2016 11:25

Instrument :

BNA_F

ClientSampleId :

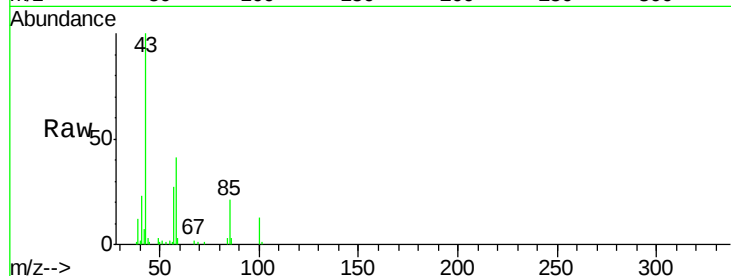
Tgt Ion: 42 Resp: 5526

Ion Ratio Lower Upper

42 100

74 0.0 108.6 163.0#

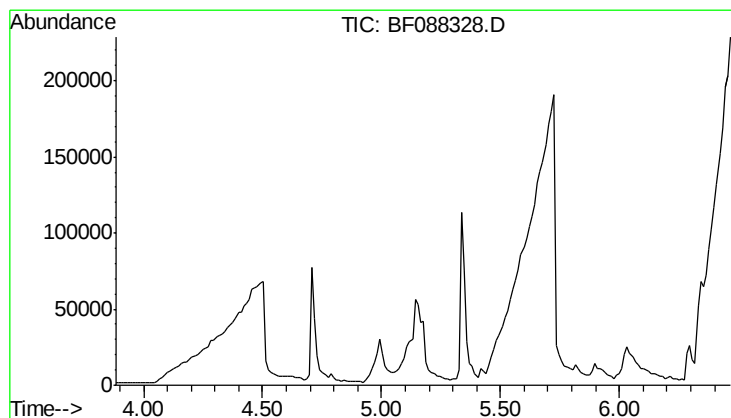
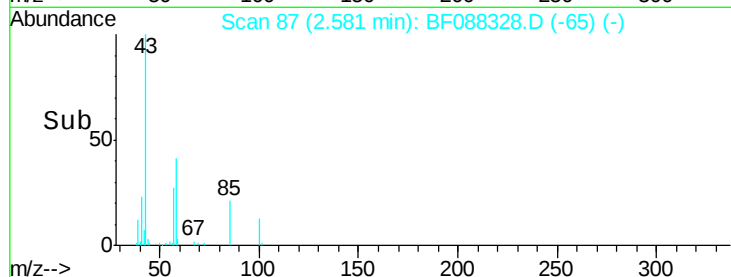
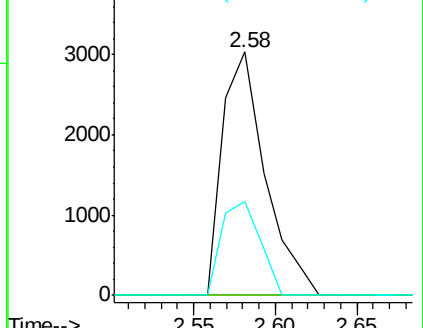
44 38.4 5.5 8.3#



Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0



#5

2-Fluorophenol

Concen: 0.00 ng

Expected RT: 5.18 min

Lab File: BF088328.D

Acq: 24 Jun 2016 11:25

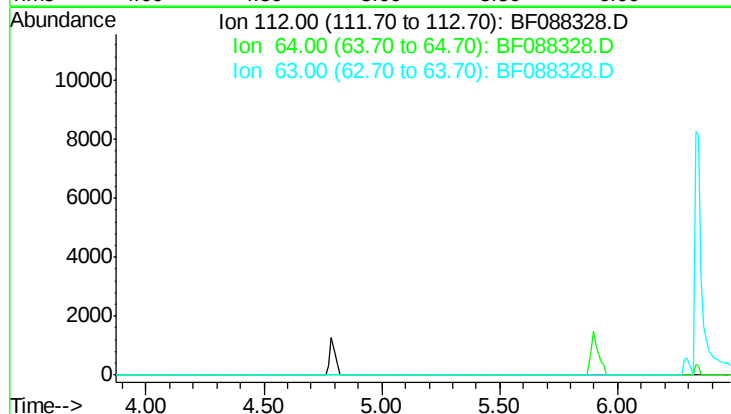
Tgt Ion: 112

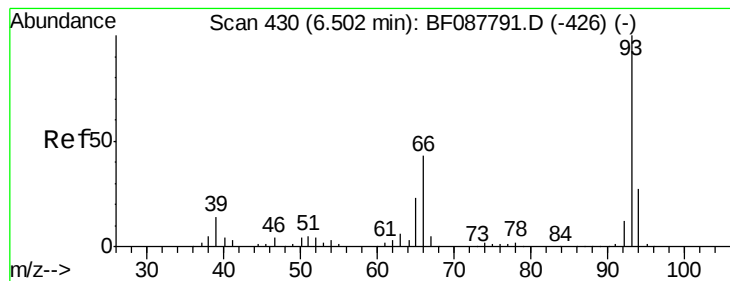
Sig Exp Ratio

112 100

64 52.7

63 27.3





#6

Aniline

Concen: 3.64 ng

RT: 6.34 min Scan# 416

Delta R.T. 0.07 min

Lab File: BF088328.D

Acq: 24 Jun 2016 11:25

Instrument :

BNA_F

ClientSampleId :

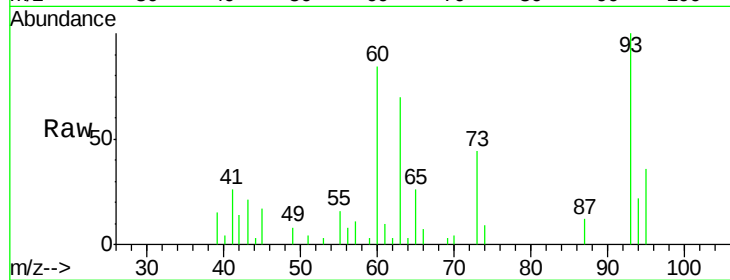
Tgt Ion: 93 Resp: 23425

Ion Ratio Lower Upper

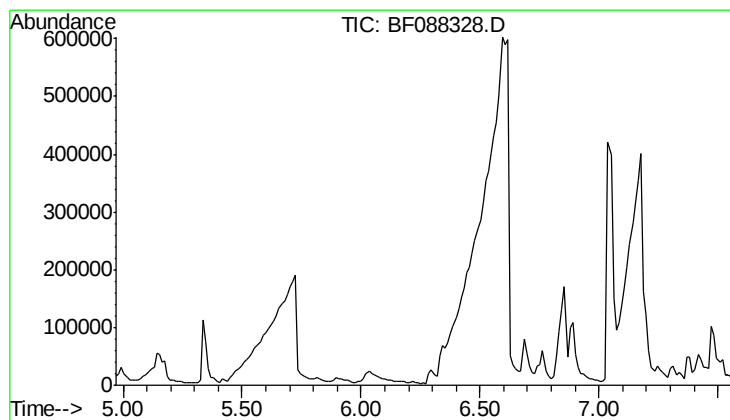
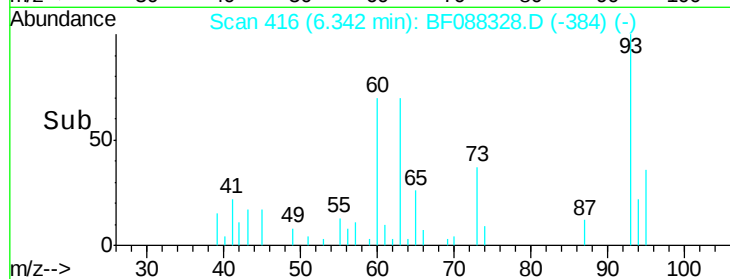
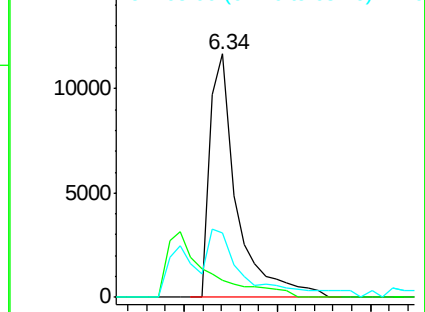
93 100

66 7.1 29.8 44.8#

65 26.4 14.9 22.3#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 66.00 (65.70 to 66.70): BF0
Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 0.00 ng

Expected RT: 6.26 min

Lab File: BF088328.D

Acq: 24 Jun 2016 11:25

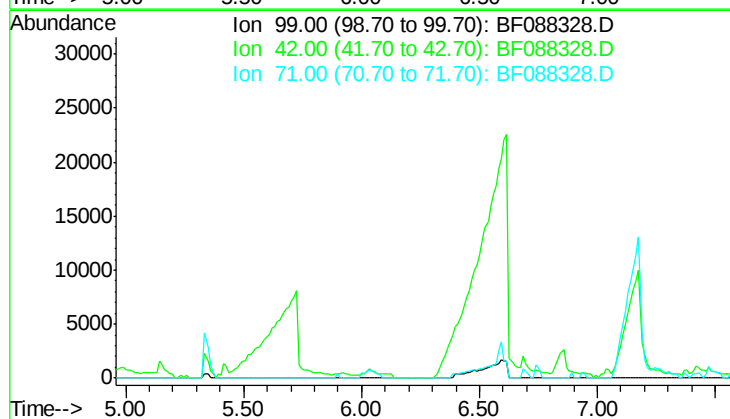
Tgt Ion: 99

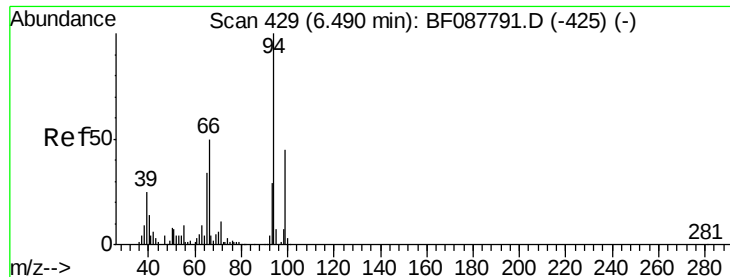
Sig Exp Ratio

99 100

42 15.2

71 29.2





#10

Phenol

Concen: 6.05 ng

RT: 6.30 min Scan# 412

Delta R.T. 0.02 min

Lab File: BF088328.D

Acq: 24 Jun 2016 11:25

Instrument :

BNA_F

ClientSampleId :

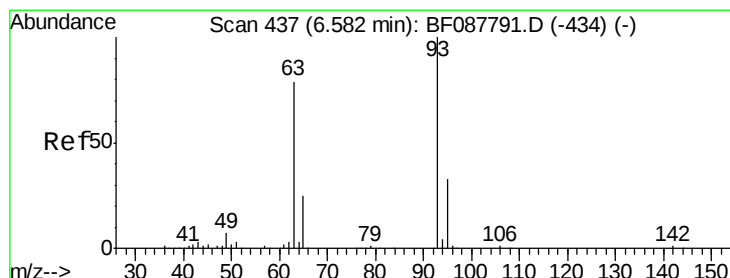
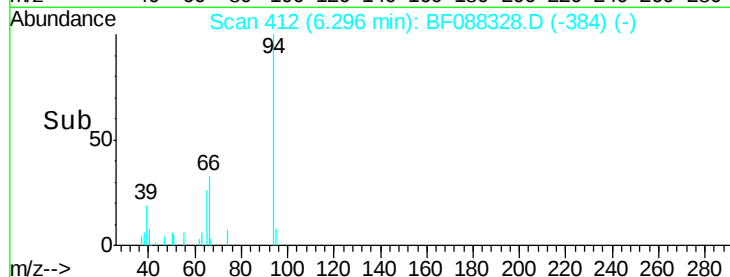
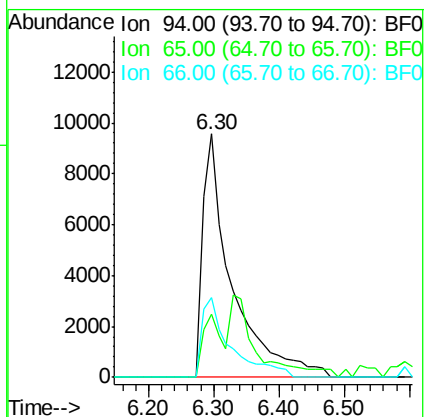
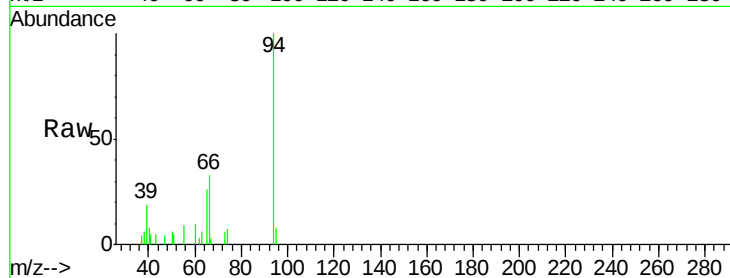
Tgt Ion: 94 Resp: 29531

Ion Ratio Lower Upper

94 100

65 26.1 5.9 45.9

66 32.7 14.0 54.0



#11

bis(2-Chloroethyl)ether

Concen: 5.92 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF088328.D

Acq: 24 Jun 2016 11:25

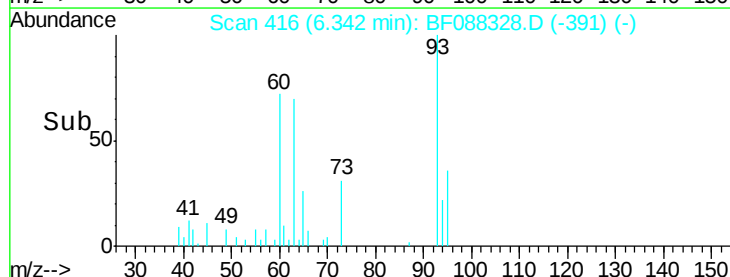
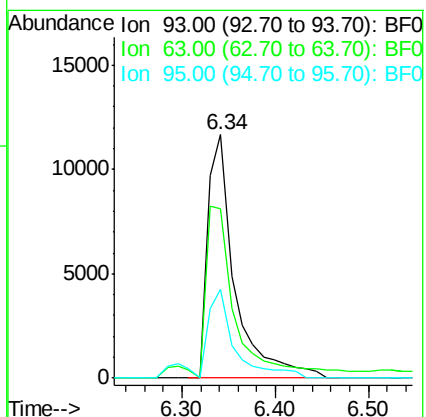
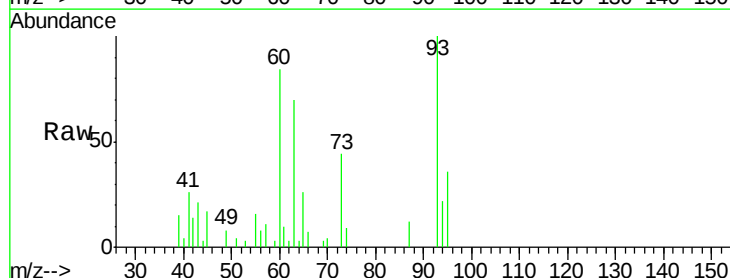
Tgt Ion: 93 Resp: 23425

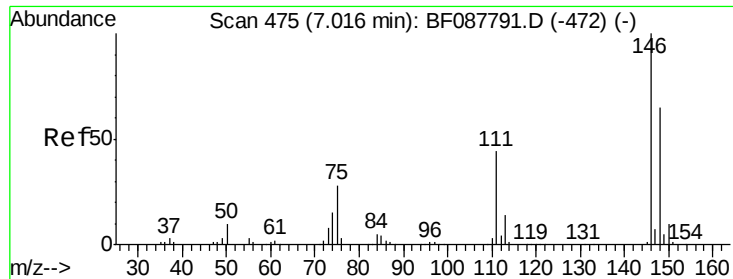
Ion Ratio Lower Upper

93 100

63 69.6 67.6 107.6

95 36.4 12.5 52.5





#14

1,2-Dichlorobenzene

Concen: 3.78 ng

RT: 6.76 min Scan# 453

Delta R.T. -0.01 min

Lab File: BF088328.D

Acq: 24 Jun 2016 11:25

Instrument :

BNA_F

ClientSampleId :

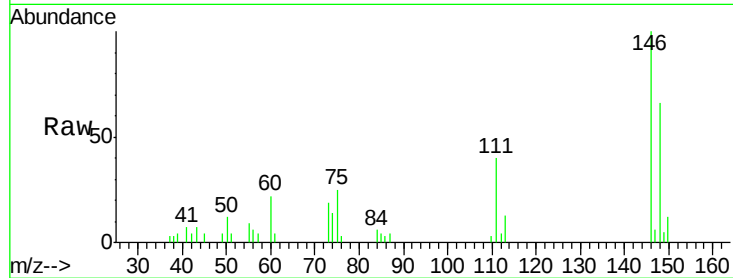
Tgt Ion:146 Resp: 16395

Ion Ratio Lower Upper

146 100

148 66.3 52.3 78.5

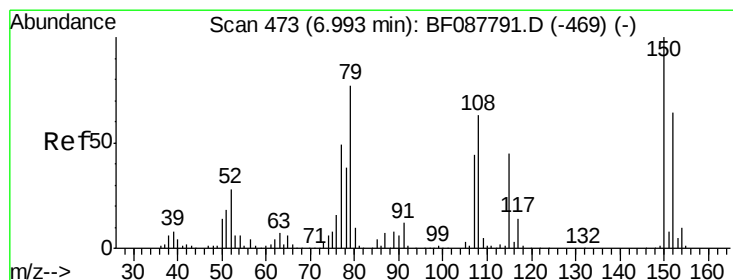
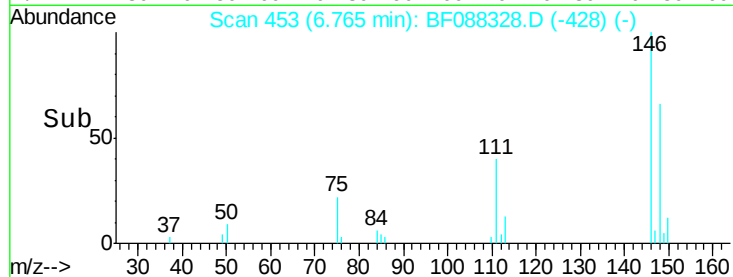
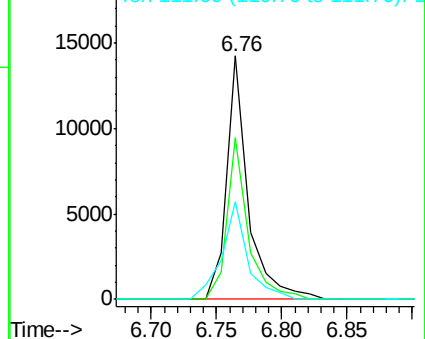
111 39.9 28.7 43.1



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 4.14 ng

RT: 6.89 min Scan# 464

Delta R.T. 0.13 min

Lab File: BF088328.D

Acq: 24 Jun 2016 11:25

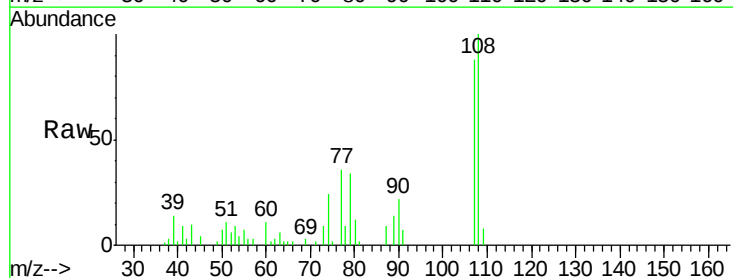
Tgt Ion: 79 Resp: 14623

Ion Ratio Lower Upper

79 100

108 297.5 65.0 97.6#

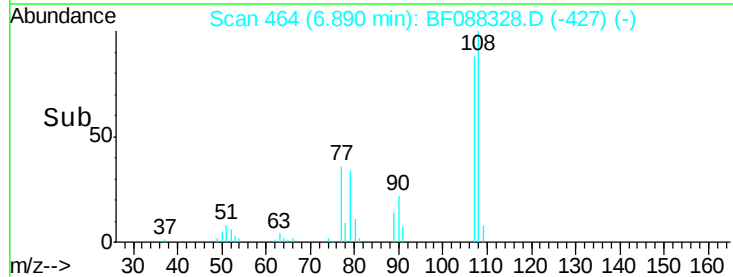
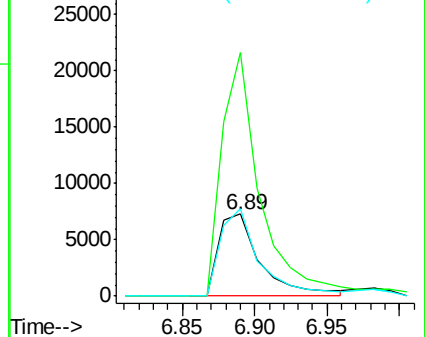
77 107.0 50.3 75.5#

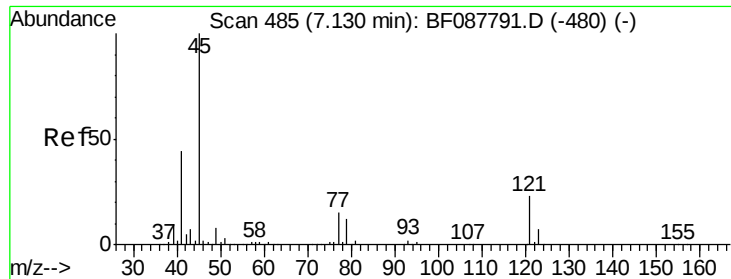


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

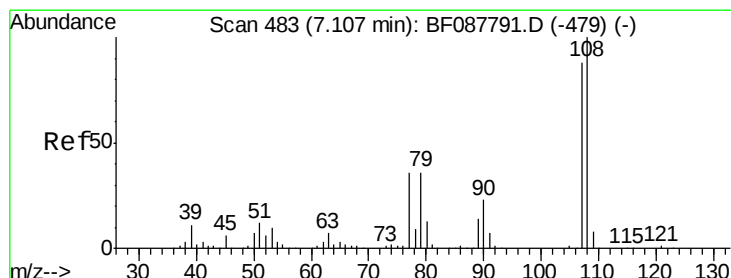
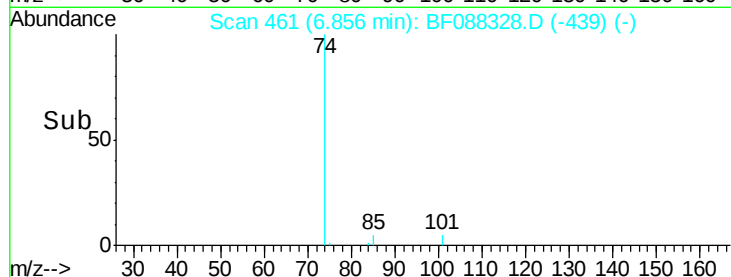
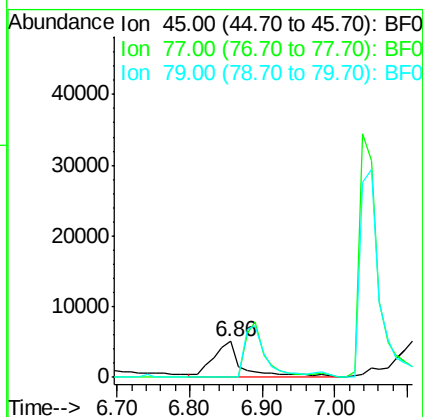
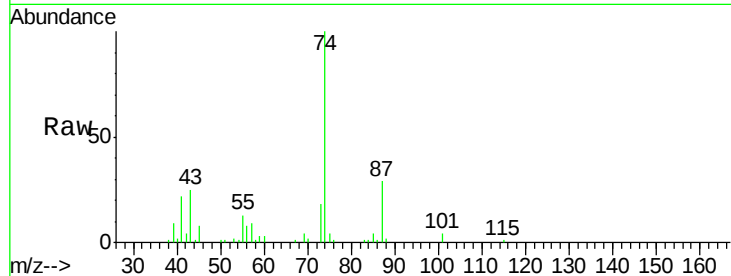




#16
2,2'-oxybis(1-Chloropropane)
Concen: 2.75 ng
RT: 6.86 min Scan# 461
Delta R.T. -0.05 min
Lab File: BF088328.D
Acq: 24 Jun 2016 11:25

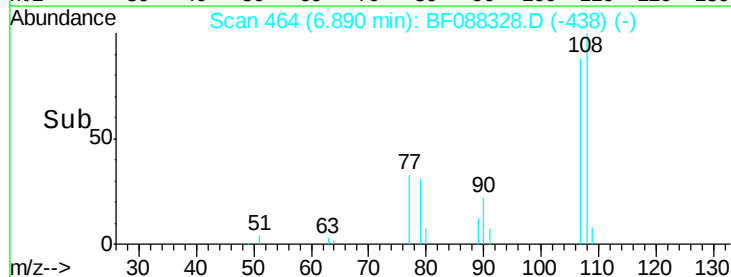
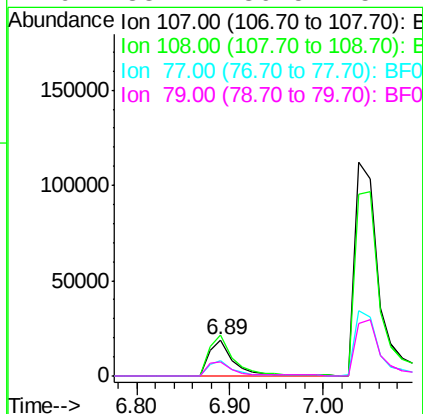
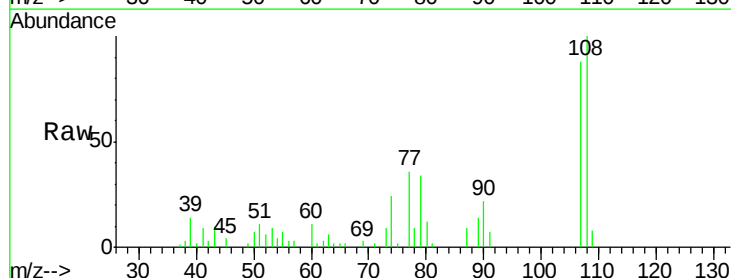
Instrument :
BNA_F
ClientSampleId :

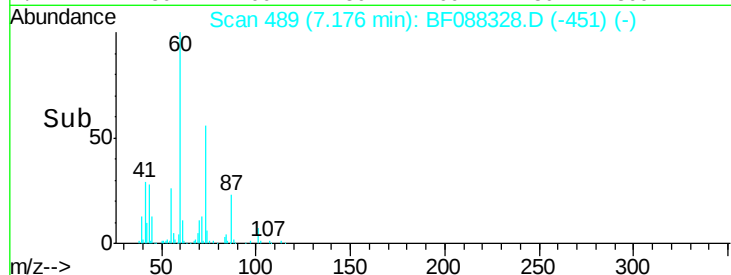
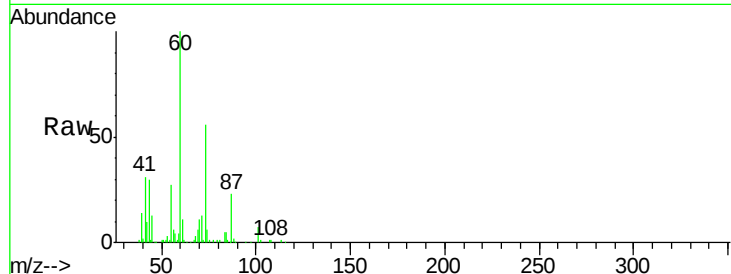
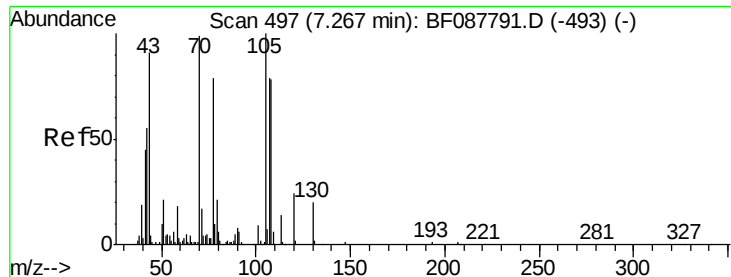
Tgt Ion: 45 Resp: 14713
Ion Ratio Lower Upper
45 100
77 0.0 0.0 32.5
79 0.0 0.0 29.5



#17
2-Methylphenol
Concen: 10.20 ng
RT: 6.89 min Scan# 464
Delta R.T. 0.00 min
Lab File: BF088328.D
Acq: 24 Jun 2016 11:25

Tgt Ion: 107 Resp: 36478
Ion Ratio Lower Upper
107 100
108 114.2 90.9 136.3
77 41.1 36.6 55.0
79 38.4 36.5 54.7

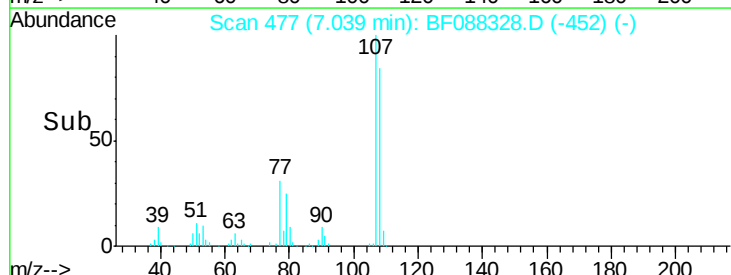
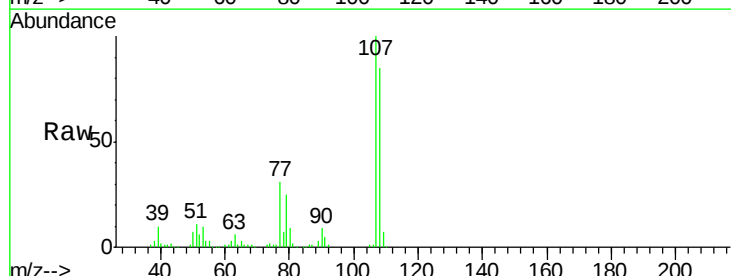
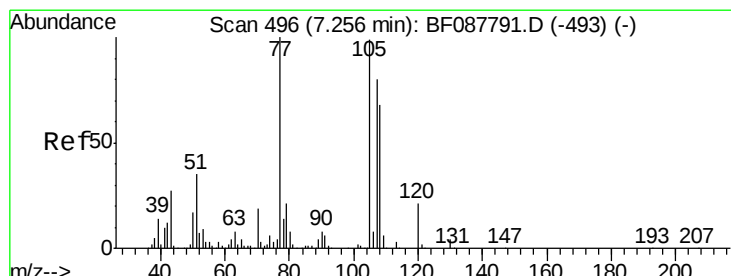
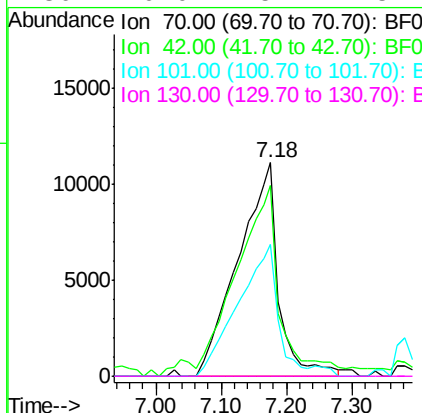




#19
n-Nitroso-di-n-propylamine
Concen: 16.63 ng
RT: 7.18 min Scan# 489
Delta R.T. 0.14 min
Lab File: BF088328.D
Acq: 24 Jun 2016 11:25

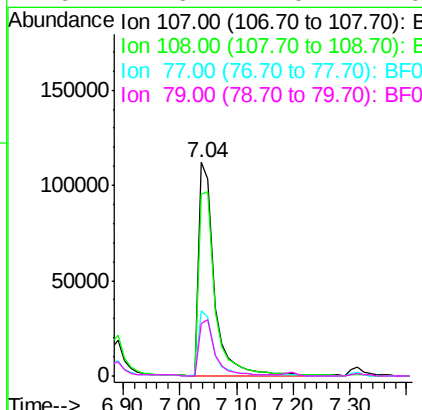
Instrument :
BNA_F
ClientSampleId :

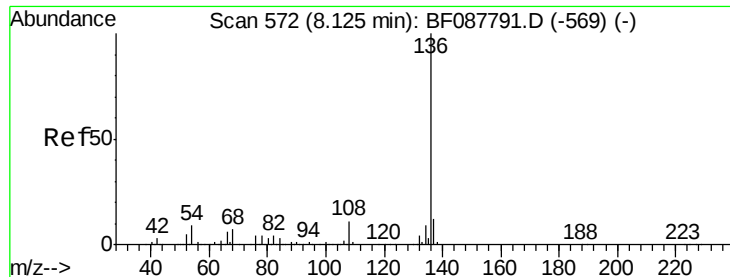
Tgt Ion:	70	Resp:	48041
Ion	Ratio	Lower	Upper
70	100		
42	89.5	49.6	74.4#
101	62.0	7.1	10.7#
130	0.0	15.4	23.2#



#20
3+4-Methylphenols
Concen: 50.79 ng
RT: 7.04 min Scan# 477
Delta R.T. -0.01 min
Lab File: BF088328.D
Acq: 24 Jun 2016 11:25

Tgt Ion:	107	Resp:	211961
Ion	Ratio	Lower	Upper
107	100		
108	85.0	67.8	107.8
77	30.7	59.3	99.3#
79	24.6	7.0	47.0





#21

Naphthalene-d8

Concen: 5.00 ng

RT: 7.88 min Scan# 551

Delta R.T. -0.01 min

Lab File: BF088328.D

Acq: 24 Jun 2016 11:25

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:136 Resp: 77595

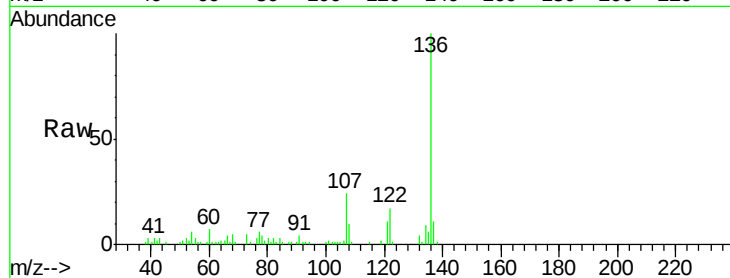
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 5.6 6.6 10.0#

68 4.9 5.1 7.7#

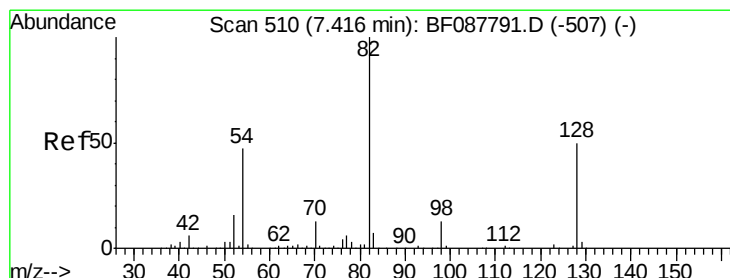
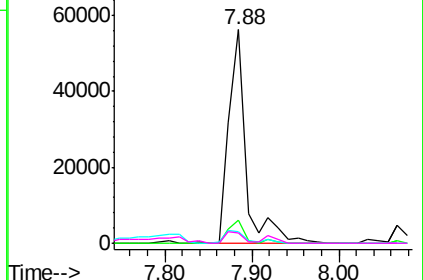
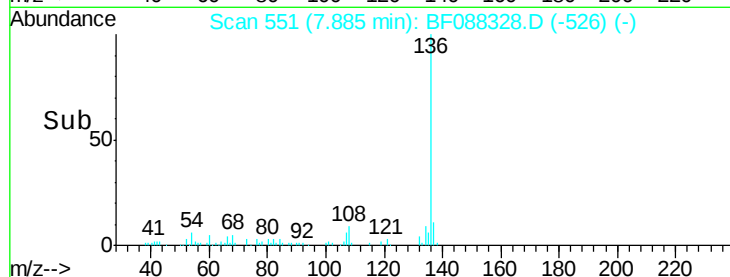


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.45 ng

RT: 7.20 min Scan# 491

Delta R.T. 0.02 min

Lab File: BF088328.D

Acq: 24 Jun 2016 11:25

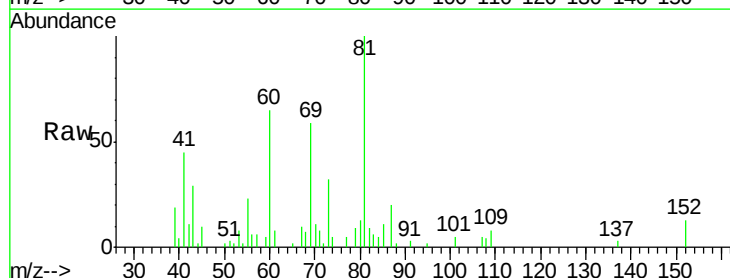
Tgt Ion: 82 Resp: 2372

Ion Ratio Lower Upper

82 100

128 0.0 35.9 53.9#

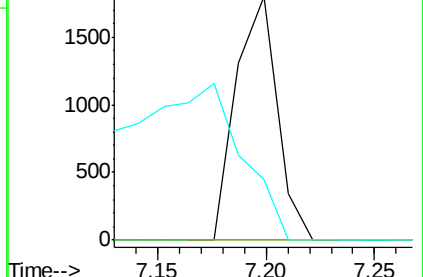
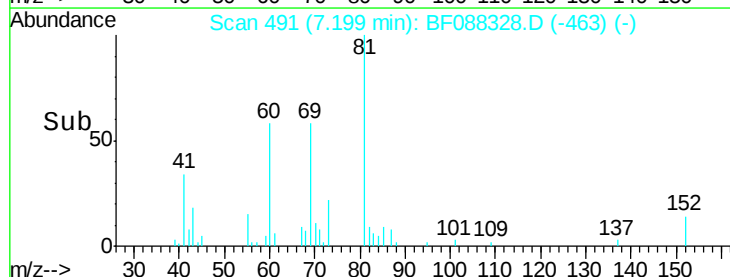
54 25.0 40.9 61.3#

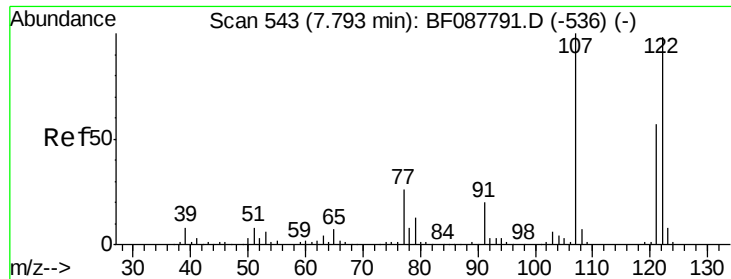


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

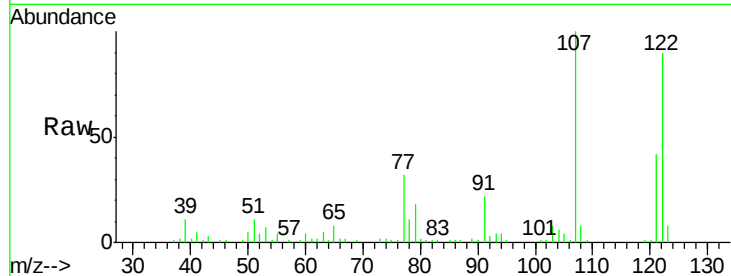




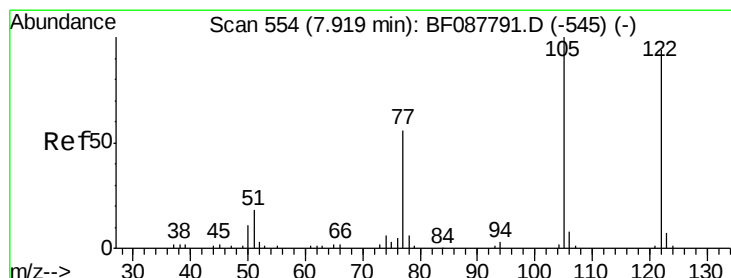
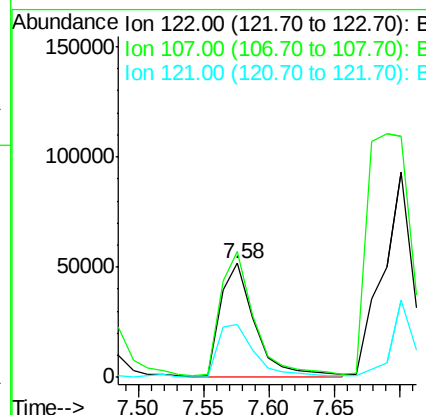
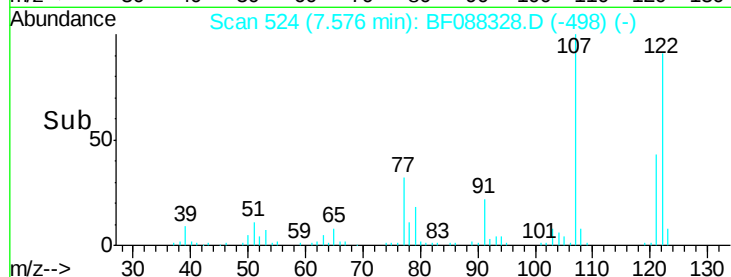
#27
2,4-Dimethylphenol
Concen: 18.54 ng
RT: 7.58 min Scan# 524
Delta R.T. 0.00 min
Lab File: BF088328.D
Acq: 24 Jun 2016 11:25

Instrument :
BNA_F
ClientSampled :

Tgt Ion:122 Resp: 94128
Ion Ratio Lower Upper
122 100
107 111.0 82.4 123.6
121 46.9 46.3 69.5

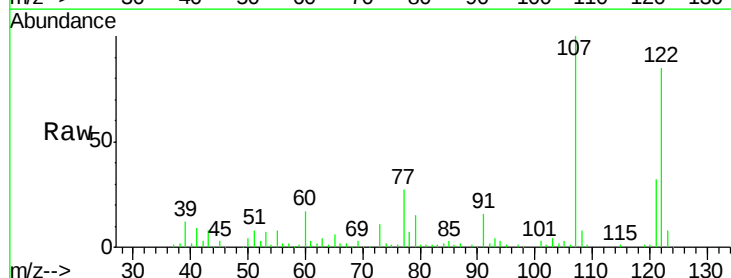


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

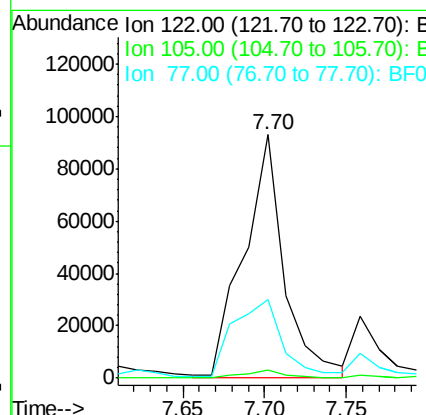
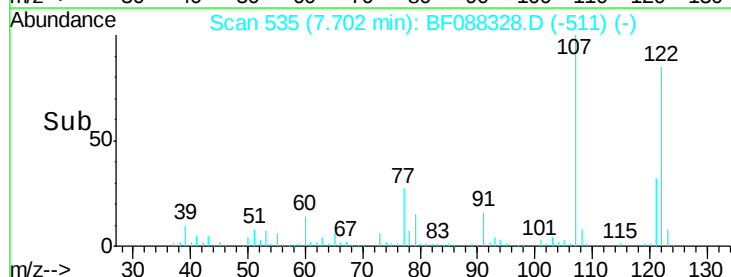


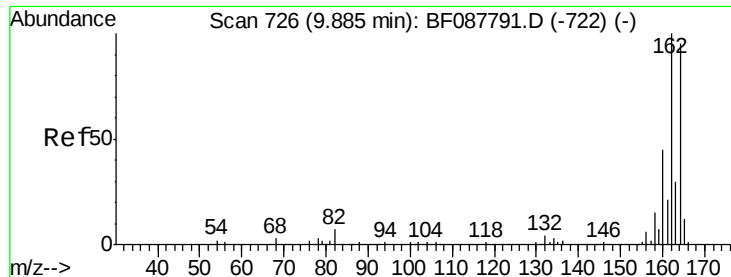
#32
Benzoic acid
Concen: 57.00 ng
RT: 7.70 min Scan# 535
Delta R.T. -0.02 min
Lab File: BF088328.D
Acq: 24 Jun 2016 11:25

Tgt Ion:122 Resp: 159372
Ion Ratio Lower Upper
122 100
105 3.1 101.6 141.6#
77 32.1 70.6 110.6#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 5.00 ng

RT: 9.62 min Scan# 703

Delta R.T. -0.02 min

Lab File: BF088328.D

Acq: 24 Jun 2016 11:25

Instrument :

BNA_F

ClientSampleId :

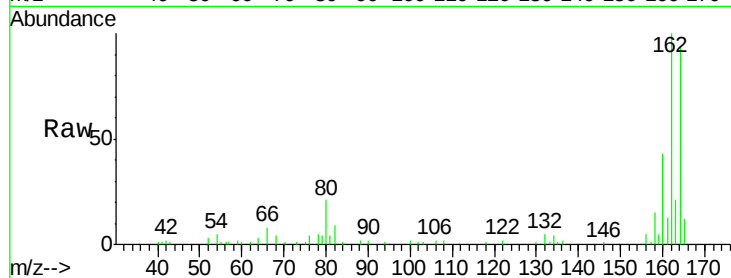
Tgt Ion:164 Resp: 34409

Ion Ratio Lower Upper

164 100

162 106.3 85.4 128.2

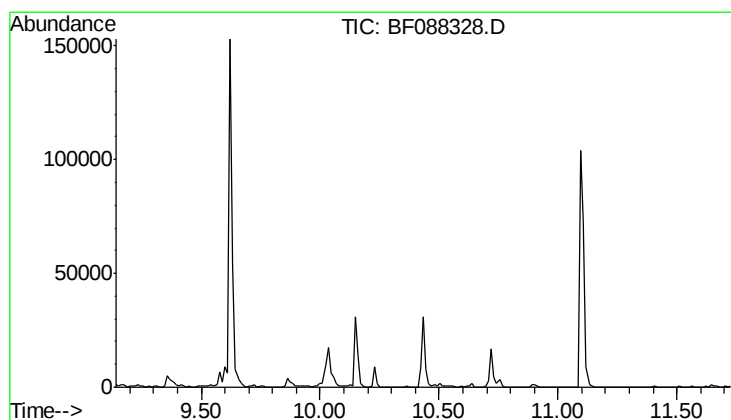
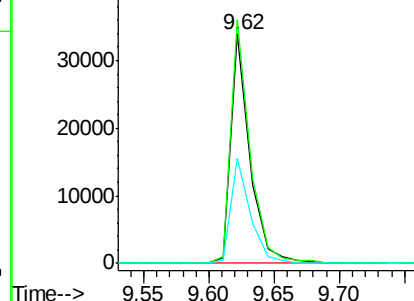
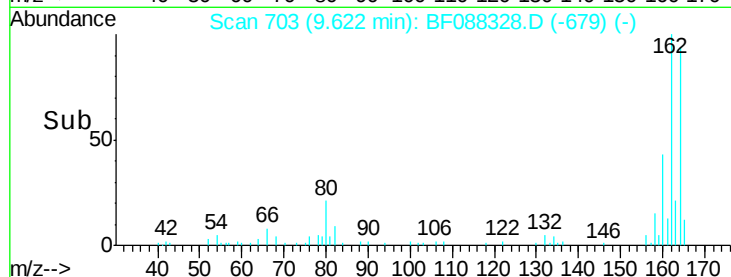
160 46.1 39.5 59.3



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: 0.00 ng

Expected RT: 10.43 min

Lab File: BF088328.D

Acq: 24 Jun 2016 11:25

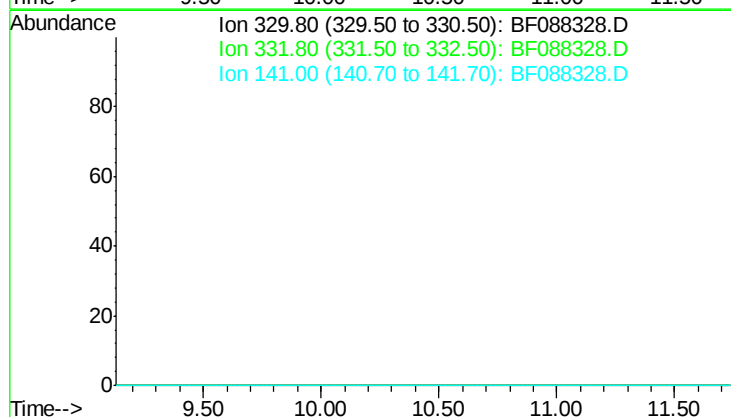
Tgt Ion: 330

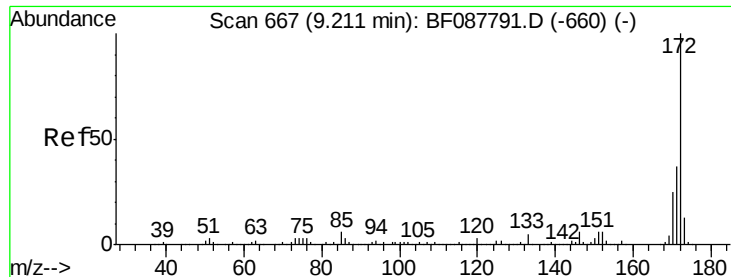
Sig Exp Ratio

330 100

332 0.0

141 0.0

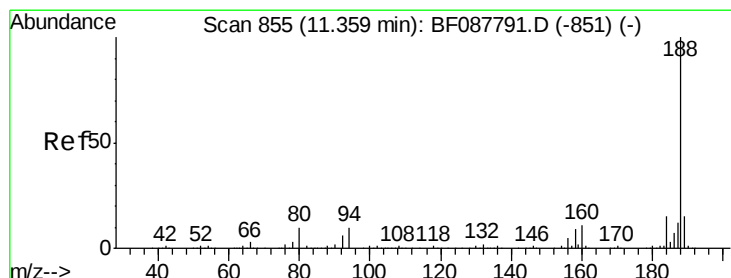
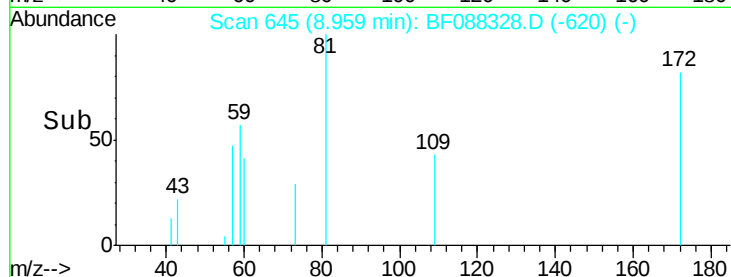
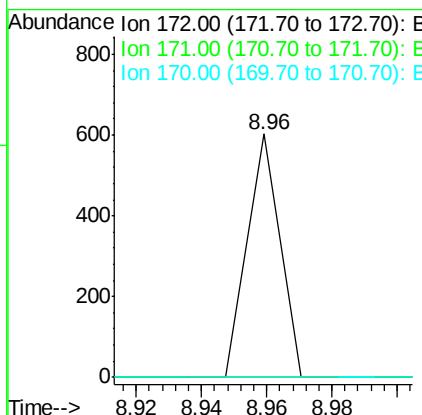
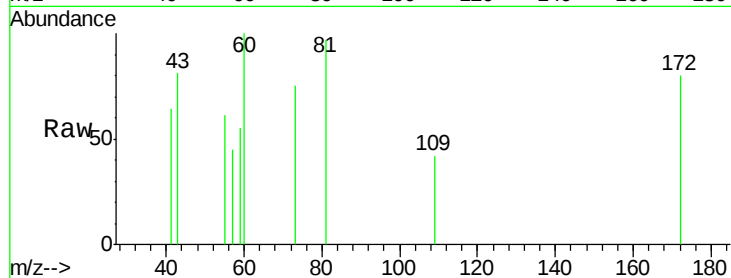




#44
 2-Fluorobiphenyl
 Concen: -1.43 ng
 RT: 8.96 min Scan# 645
 Delta R.T. -0.01 min
 Lab File: BF088328.D
 Acq: 24 Jun 2016 11:25

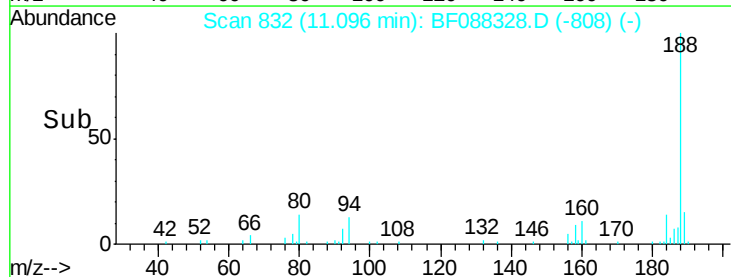
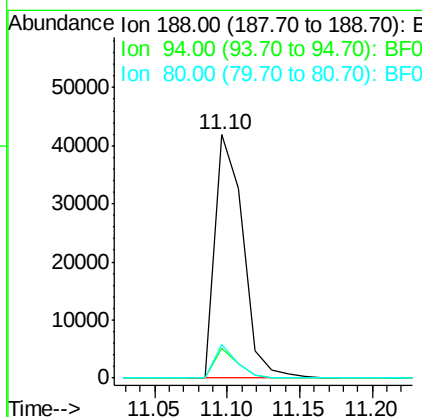
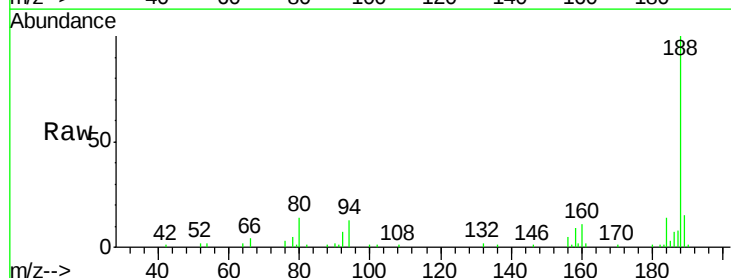
Instrument :
 BNA_F
 ClientSampleId :

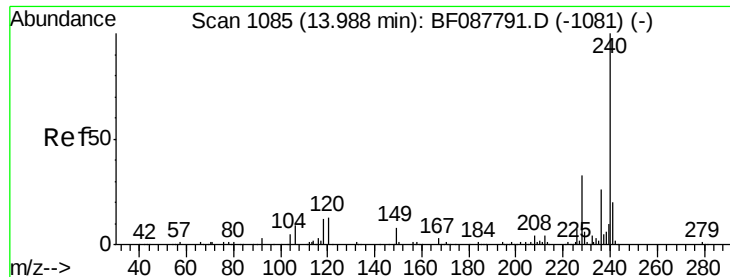
Tgt Ion:172 Resp: 414
 Ion Ratio Lower Upper
 172 100
 171 0.0 28.6 43.0#
 170 0.0 19.2 28.8#



#63
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 11.10 min Scan# 832
 Delta R.T. -0.02 min
 Lab File: BF088328.D
 Acq: 24 Jun 2016 11:25

Tgt Ion:188 Resp: 55959
 Ion Ratio Lower Upper
 188 100
 94 12.5 9.0 13.6
 80 13.9 10.0 15.0





#75

Chrysene-d12

Concen: 5.00 ng

RT: 13.73 min Scan# 1062

Delta R.T. -0.02 min

Lab File: BF088328.D

Acq: 24 Jun 2016 11:25

Instrument :

BNA_F

ClientSampleId :

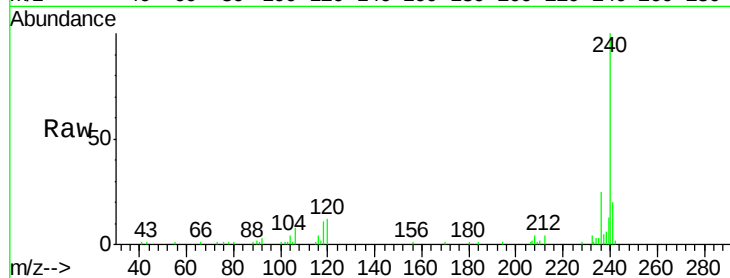
Tgt Ion:240 Resp: 40744

Ion Ratio Lower Upper

240 100

120 12.3 6.8 10.2#

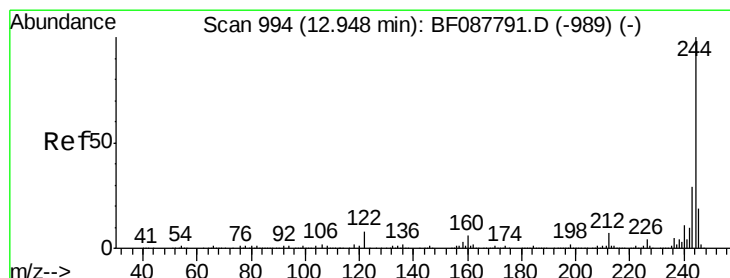
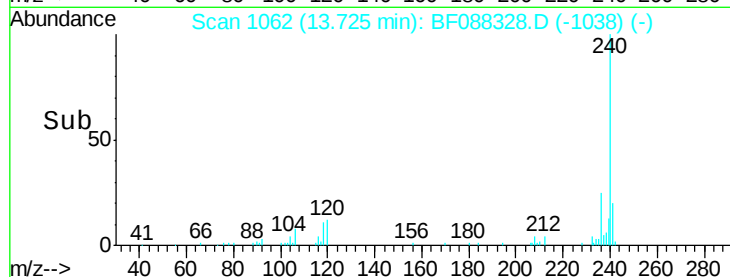
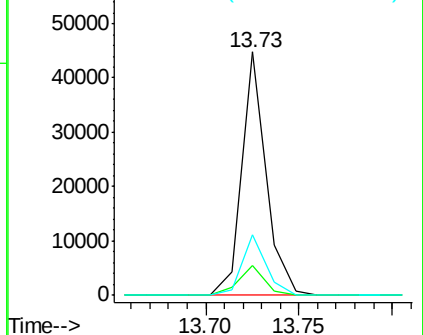
236 25.1 20.2 30.2



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: 0.14 ng

RT: 12.67 min Scan# 970

Delta R.T. -0.02 min

Lab File: BF088328.D

Acq: 24 Jun 2016 11:25

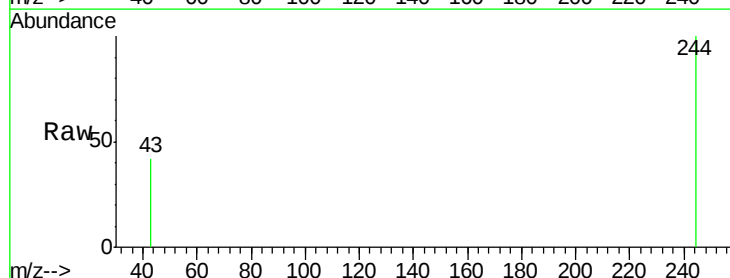
Tgt Ion:244 Resp: 982

Ion Ratio Lower Upper

244 100

212 0.0 6.0 9.0#

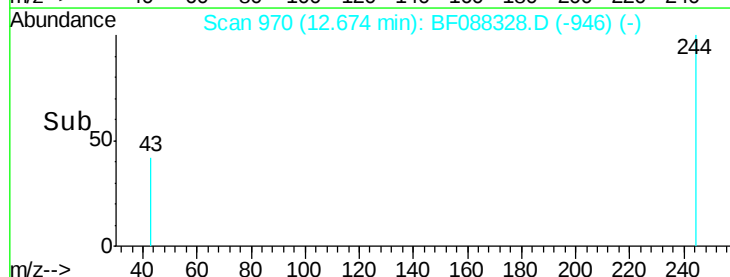
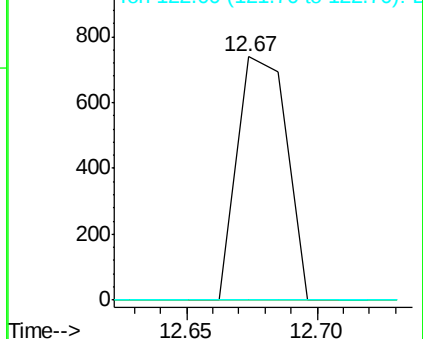
122 0.0 11.2 16.8#

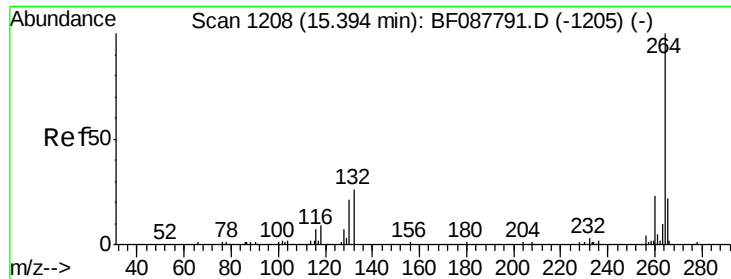


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 5.00 ng
RT: 15.09 min Scan# 1181
Delta R.T. -0.02 min
Lab File: BF088328.D
Acq: 24 Jun 2016 11:25

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 264 Resp: 35307
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 22.2 16.9 25.3

