

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072916\
 Data File : BF089406.D
 Acq On : 29 Jul 2016 12:16
 Operator : UM/SJ
 Sample : H4186-29
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 29 15:39:15 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 16:02:32 2016
 Response via : Initial Calibration

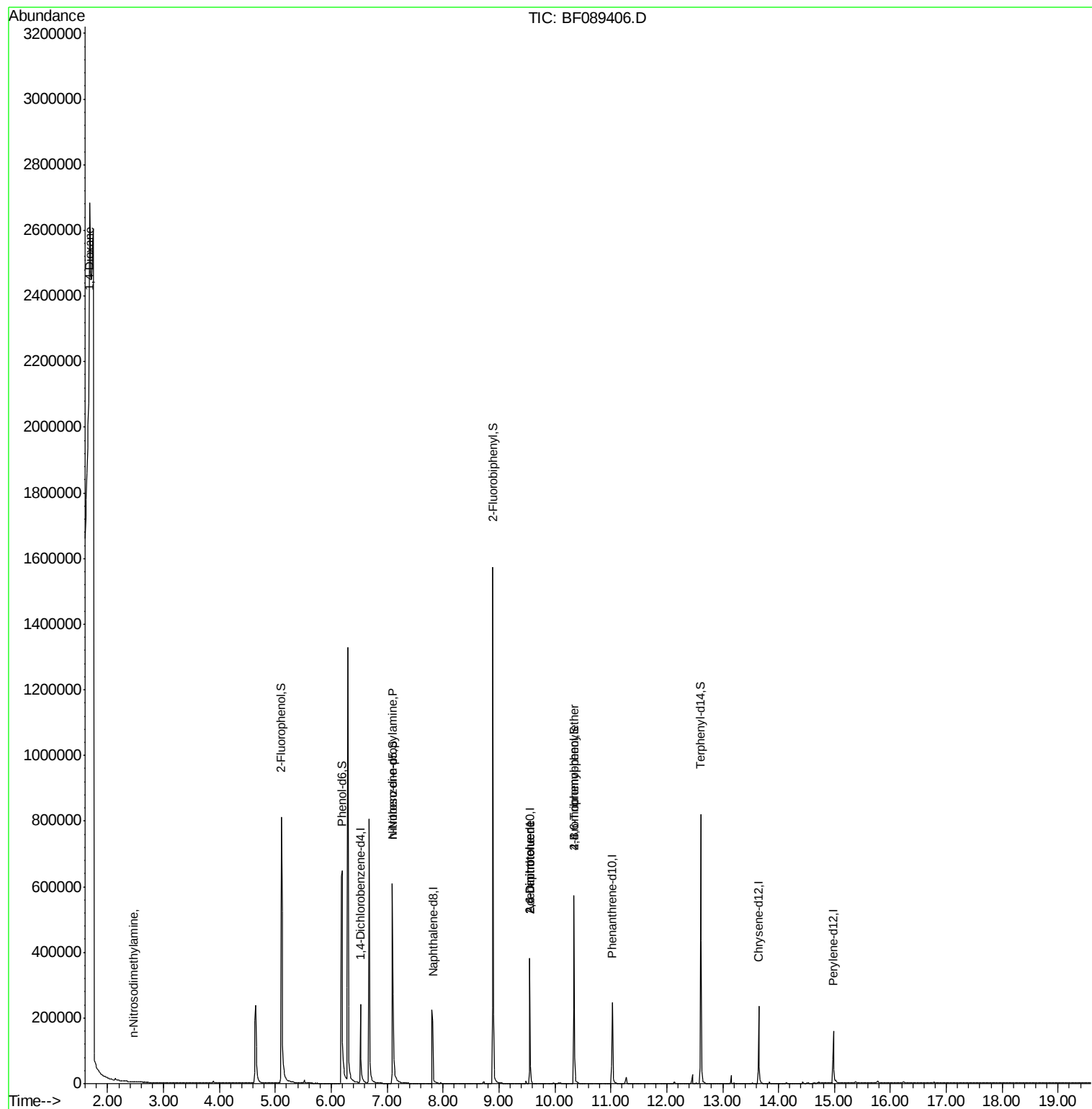
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	46027	20.00	ng	-0.02
21) Naphthalene-d8	7.82	136	173111	20.00	ng	-0.01
38) Acenaphthene-d10	9.55	164	73161	20.00	ng	-0.02
63) Phenanthrene-d10	11.03	188	111314	20.00	ng	-0.02
75) Chrysene-d12	13.65	240	92247	20.00	ng	-0.02
86) Perylene-d12	14.98	264	76711	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.11	112	343170	119.05	ng	0.00
7) Phenol-d6	6.19	99	431803	113.35	ng	-0.01
23) Nitrobenzene-d5	7.10	82	287762	98.12	ng	-0.02
41) 2,4,6-Tribromophenol	10.34	330	70040	115.59	ng	-0.02
44) 2-Fluorobiphenyl	8.89	172	491976	98.69	ng	-0.02
78) Terphenyl-d14	12.61	244	310367	78.75	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	1.68	88	34924	25.46	ng	# 26
4) n-Nitrosodimethylamine	2.47	42	221	7.89	ng	# 1
19) n-Nitroso-di-n-propylamine	7.10	70	37054	16.13	ng	# 82
50) 2,6-Dinitrotoluene	9.55	165	8996	7.86	ng	# 24
56) 2,4-Dinitrotoluene	9.55	165	8996	5.97	ng	# 7
66) 4-Bromophenyl-phenylether	10.34	248	5312	5.00	ng	# 1

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

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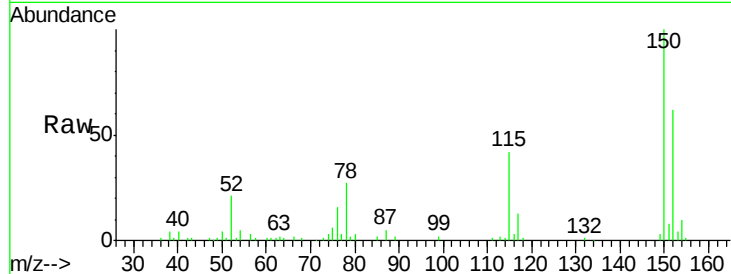


#1

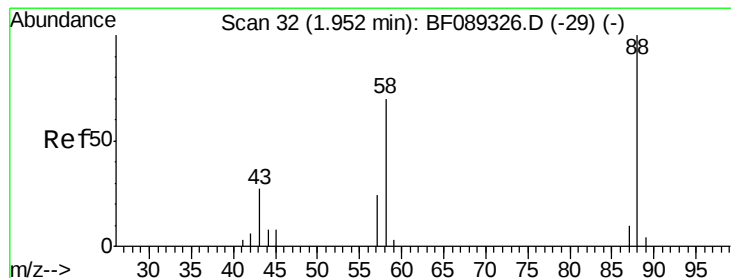
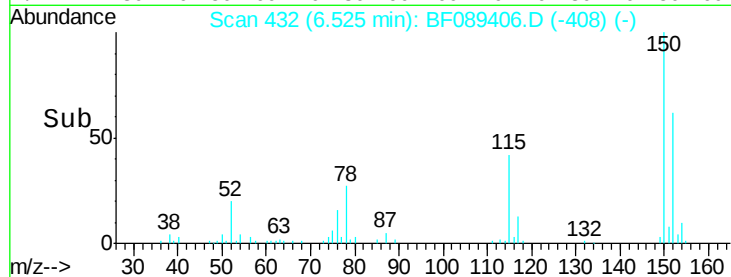
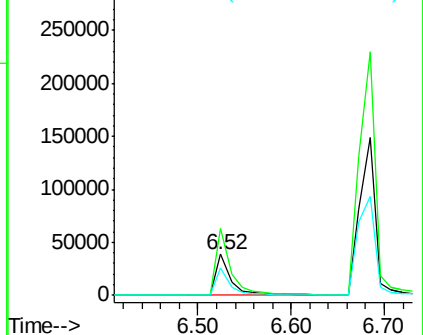
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.52 min Scan# 432
Delta R.T. -0.02 min
Lab File: BF089406.D
Acq: 29 Jul 2016 12:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 46027
Ion Ratio Lower Upper
152 100
150 160.8 129.5 194.3
115 67.1 51.4 77.2



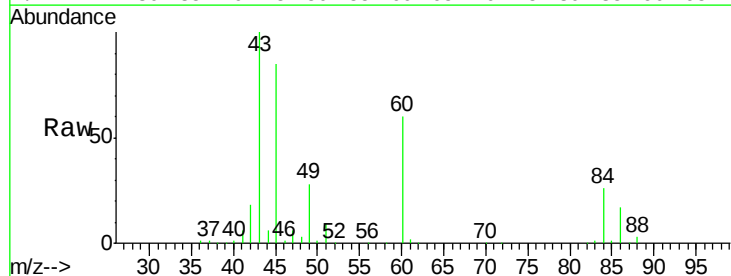
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



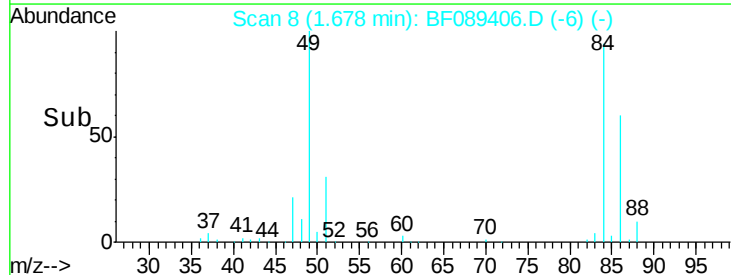
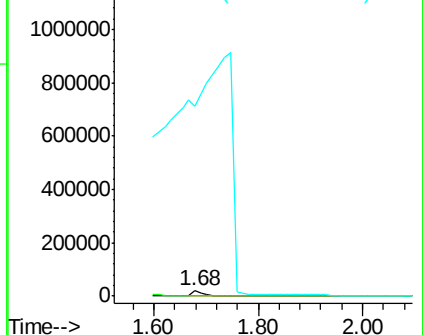
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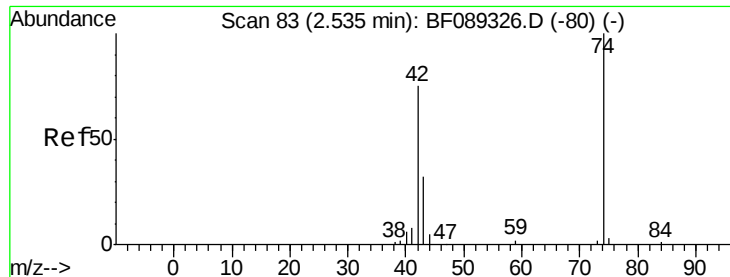
1,4-Dioxane
Concen: 25.46 ng
RT: 1.68 min Scan# 8
Delta R.T. -0.27 min
Lab File: BF089406.D
Acq: 29 Jul 2016 12:16

Tgt Ion: 88 Resp: 34924
Ion Ratio Lower Upper
88 100
58 0.0 53.2 79.8#
43 0.0 20.6 31.0#



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



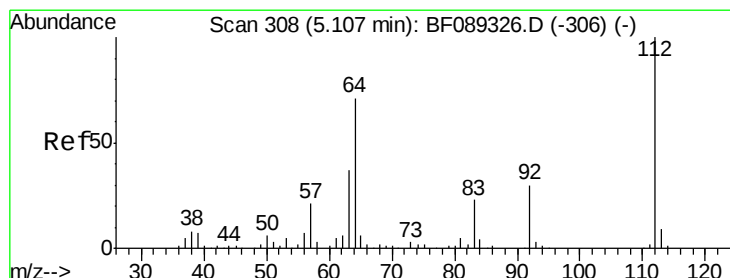
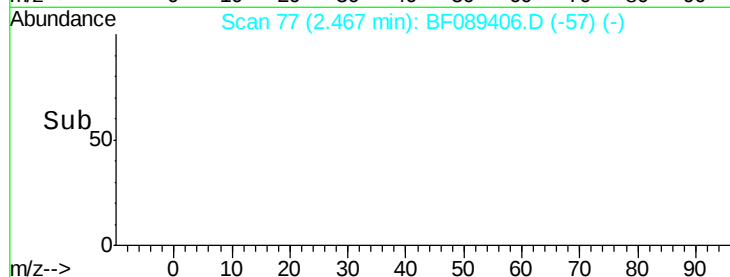
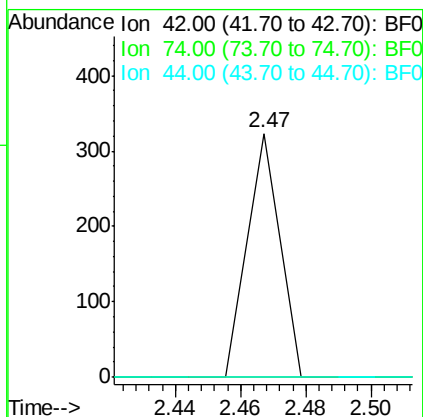
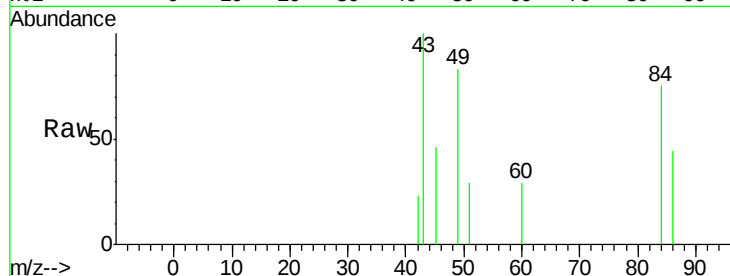


#4

n-Nitrosodimethylamine
 Concen: 7.89 ng
 RT: 2.47 min Scan# 77
 Delta R.T. -0.07 min
 Lab File: BF089406.D
 Acq: 29 Jul 2016 12:16

Instrument :
 BNA_F
 ClientSampleId :

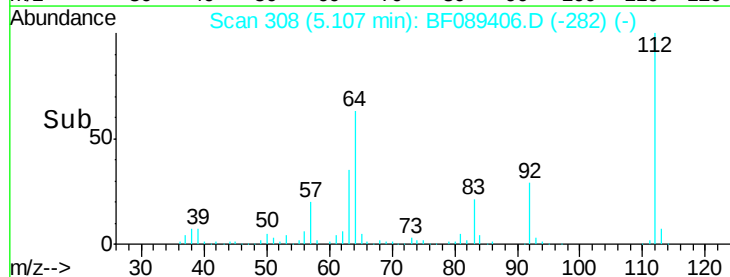
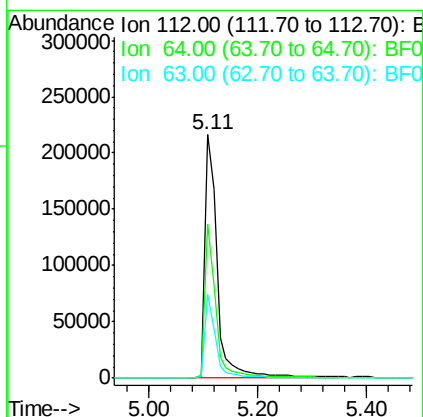
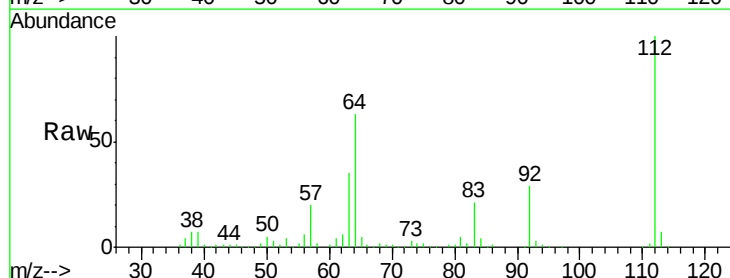
Tot Ion: 42 Resp: 221
 Ion Ratio Lower Upper
 42 100
 74 0.0 110.8 166.2#
 44 0.0 5.2 7.8#

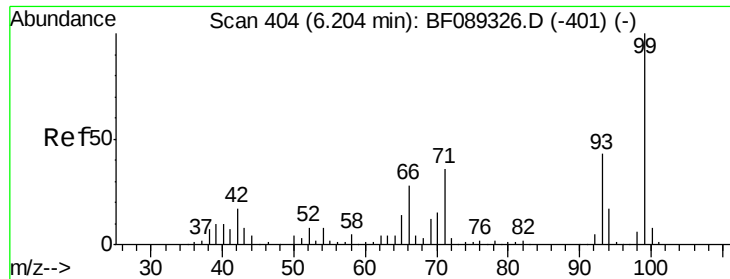


#5

2-Fluorophenol
 Concen: 119.05 ng
 RT: 5.11 min Scan# 308
 Delta R.T. 0.00 min
 Lab File: BF089406.D
 Acq: 29 Jul 2016 12:16

Tgt Ion: 112 Resp: 343170
 Ion Ratio Lower Upper
 112 100
 64 63.4 55.0 82.6
 63 34.6 29.4 44.2





#7

Phenol-d6

Concen: 113.35 ng

RT: 6.19 min Scan# 403

Delta R.T. -0.01 min

Lab File: BF089406.D

Acq: 29 Jul 2016 12:16

Instrument :

BNA_F

ClientSampled :

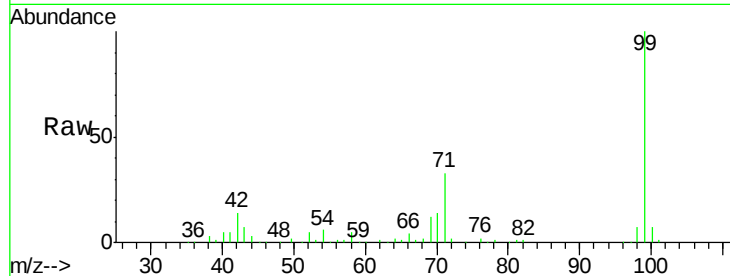
Tot Ion: 99 Resp: 431803

Ion Ratio Lower Upper

99 100

42 13.8 13.6 20.4

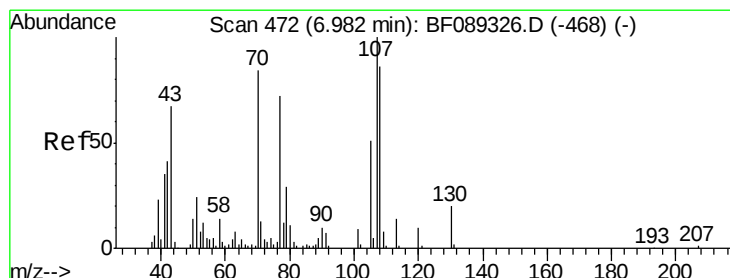
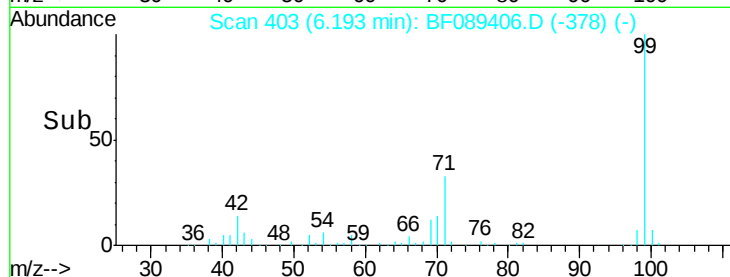
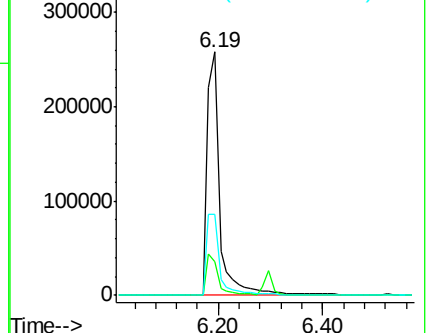
71 33.3 29.4 44.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.13 ng

RT: 7.10 min Scan# 482

Delta R.T. 0.11 min

Lab File: BF089406.D

Acq: 29 Jul 2016 12:16

Tgt Ion: 70 Resp: 37054

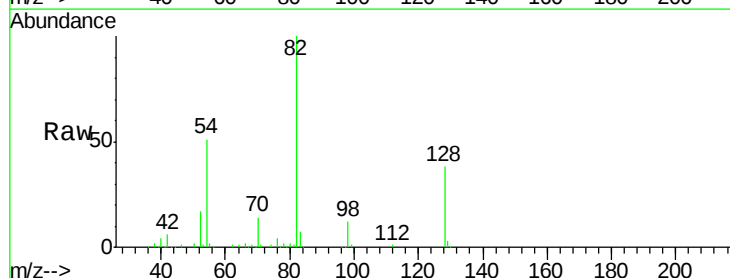
Ion Ratio Lower Upper

70 100

42 46.4 38.6 57.8

101 0.0 8.3 12.5#

130 1.8 19.0 28.4#

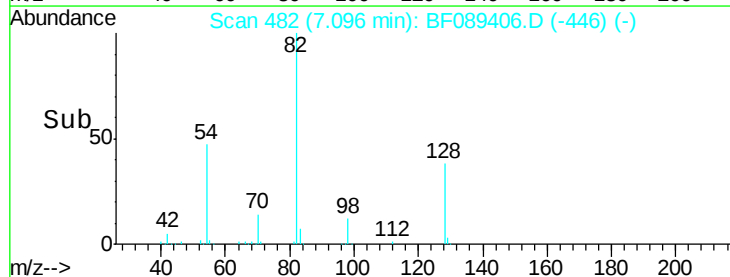
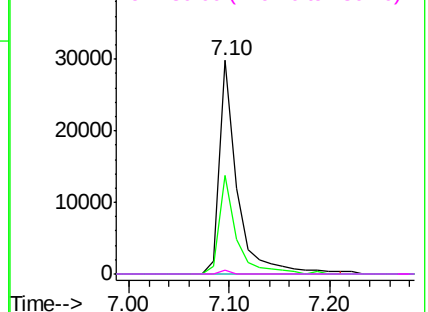


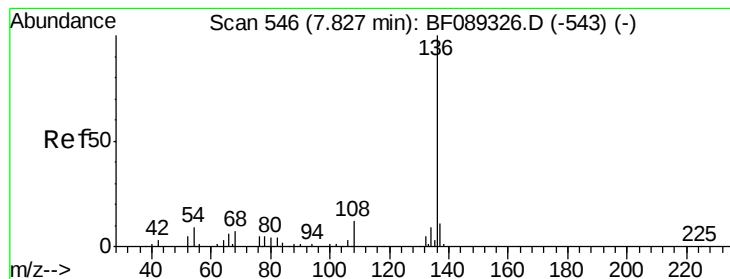
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.82 min Scan# 545

Delta R.T. -0.01 min

Lab File: BF089406.D

Acq: 29 Jul 2016 12:16

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 173111

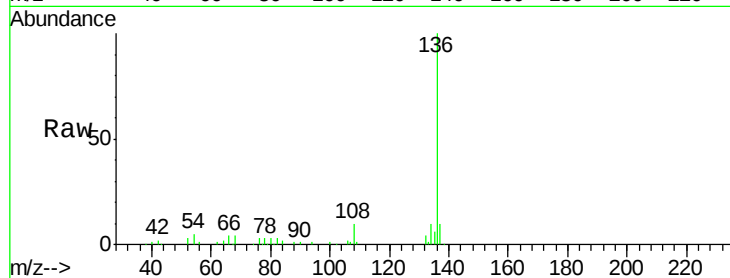
Ion Ratio Lower Upper

136 100

137 10.5 8.6 13.0

54 5.3 7.0 10.4#

68 4.4 4.9 7.3#

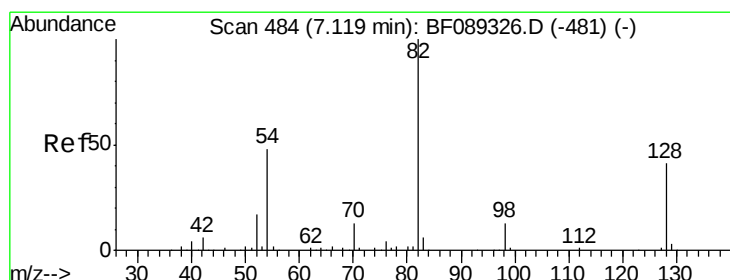
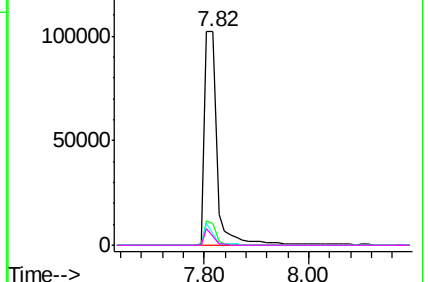
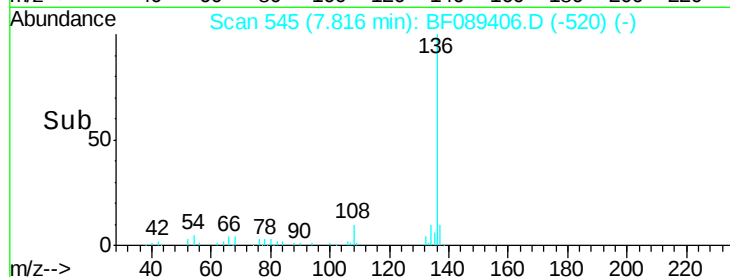


Abundance Ion 136.00 (135.70 to 136.70): E

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: 98.12 ng

RT: 7.10 min Scan# 482

Delta R.T. -0.02 min

Lab File: BF089406.D

Acq: 29 Jul 2016 12:16

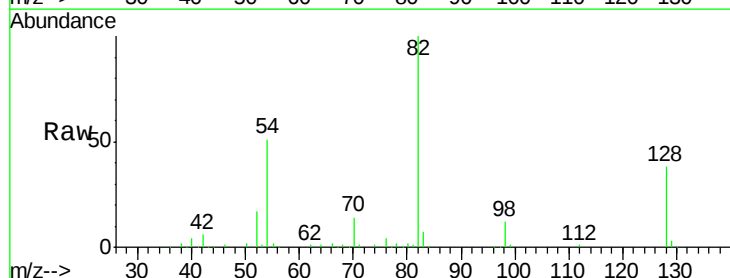
Tgt Ion: 82 Resp: 287762

Ion Ratio Lower Upper

82 100

128 37.8 32.5 48.7

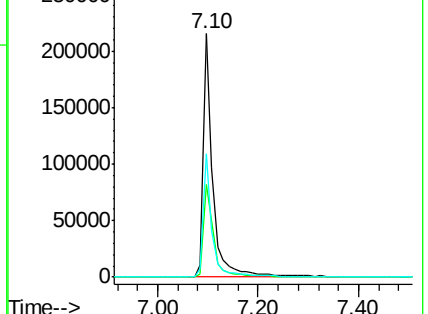
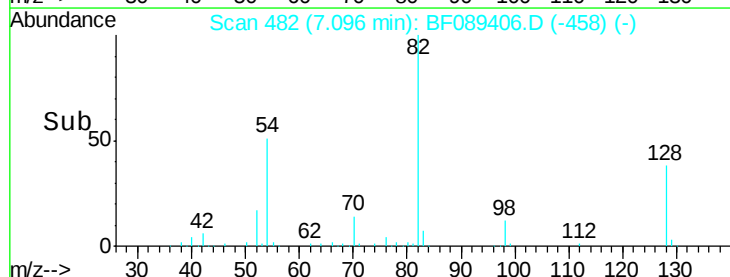
54 50.7 38.8 58.2

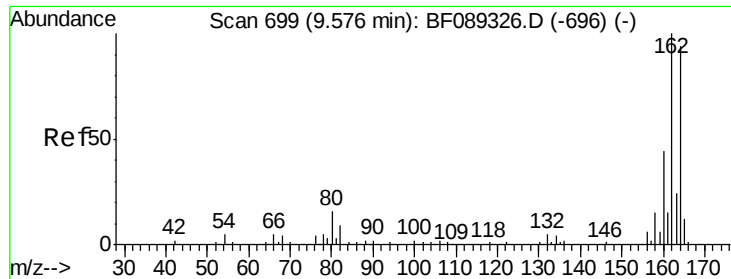


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

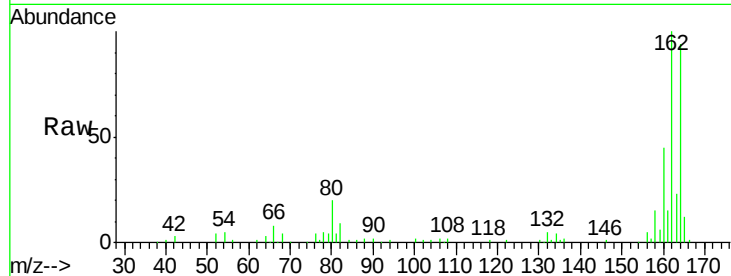




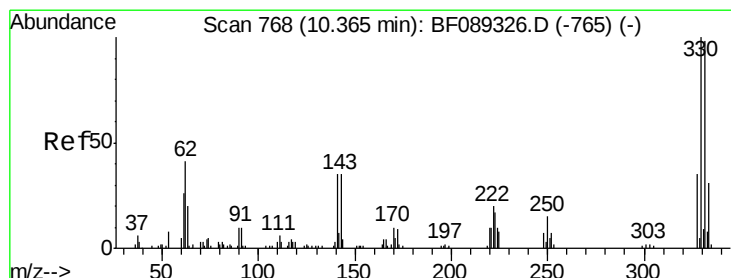
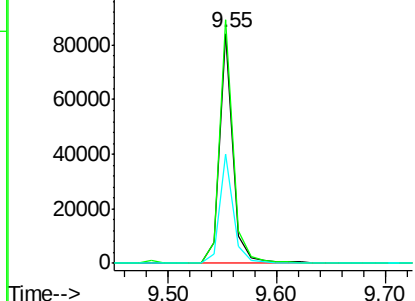
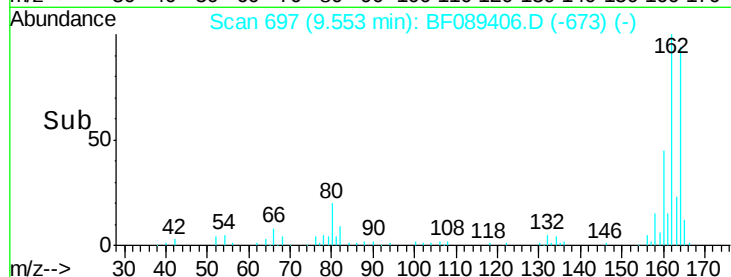
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.55 min Scan# 697
 Delta R.T. -0.02 min
 Lab File: BF089406.D
 Acq: 29 Jul 2016 12:16

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:164 Resp: 73161
 Ion Ratio Lower Upper
 164 100
 162 106.0 83.7 125.5
 160 47.5 37.8 56.6

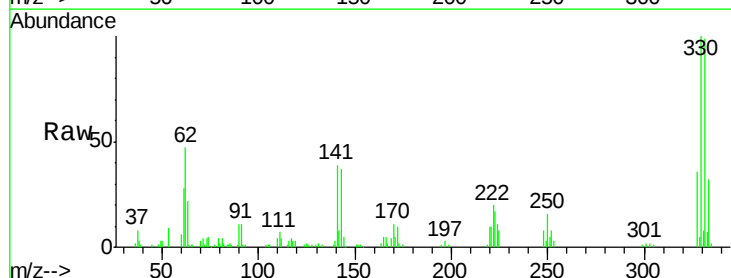


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

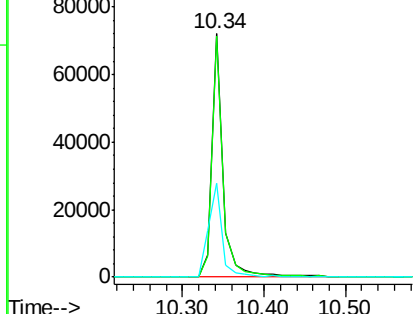
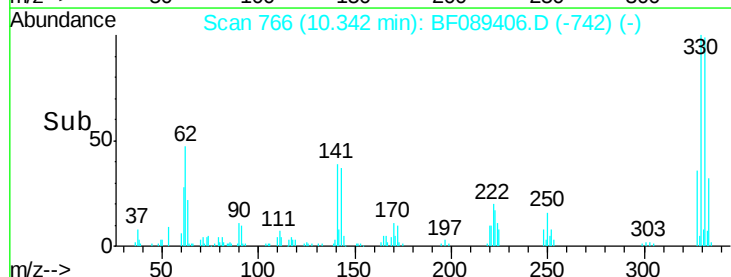


#41
 2,4,6-Tribromophenol
 Concen: 115.59 ng
 RT: 10.34 min Scan# 766
 Delta R.T. -0.02 min
 Lab File: BF089406.D
 Acq: 29 Jul 2016 12:16

Tgt Ion:330 Resp: 70040
 Ion Ratio Lower Upper
 330 100
 332 98.1 76.8 115.2
 141 47.6 37.3 55.9



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

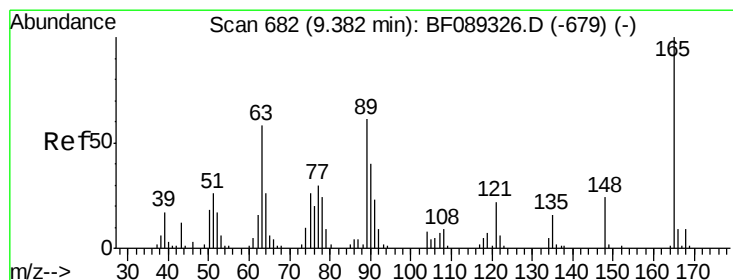
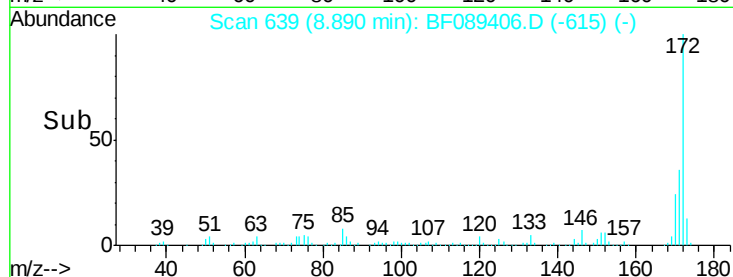
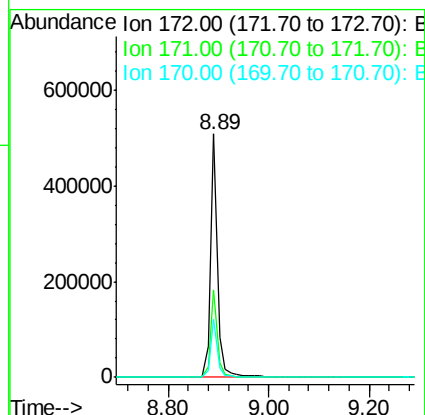
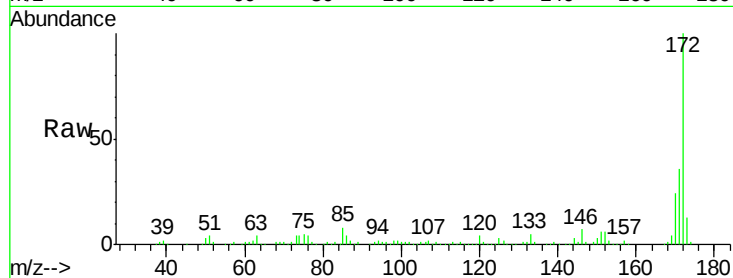




#44
 2-Fluorobiphenyl
 Concen: 98.69 ng
 RT: 8.89 min Scan# 639
 Delta R.T. -0.02 min
 Lab File: BF089406.D
 Acq: 29 Jul 2016 12:16

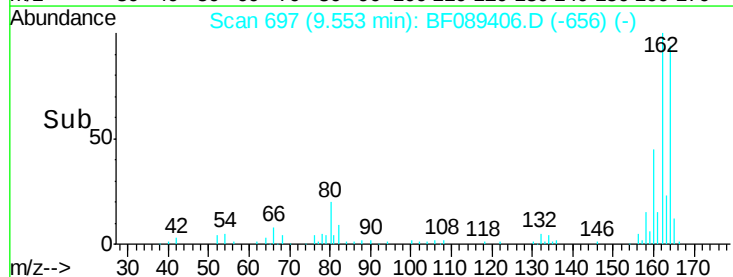
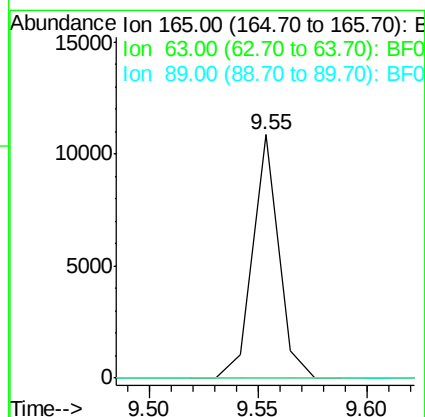
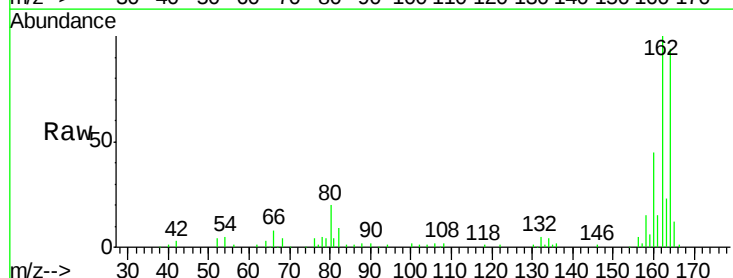
Instrument :
 BNA_F
 ClientSampleId :

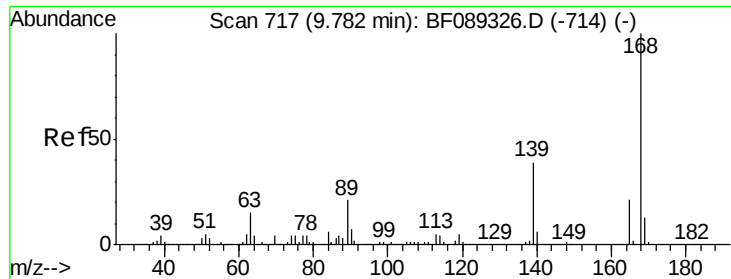
Tot Ion:172 Resp: 491976
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.2 43.8
 170 23.9 19.2 28.8



#50
 2,6-Dinitrotoluene
 Concen: 7.86 ng
 RT: 9.55 min Scan# 697
 Delta R.T. 0.17 min
 Lab File: BF089406.D
 Acq: 29 Jul 2016 12:16

Tgt Ion:165 Resp: 8996
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.5 65.3#
 89 0.0 45.0 67.4#

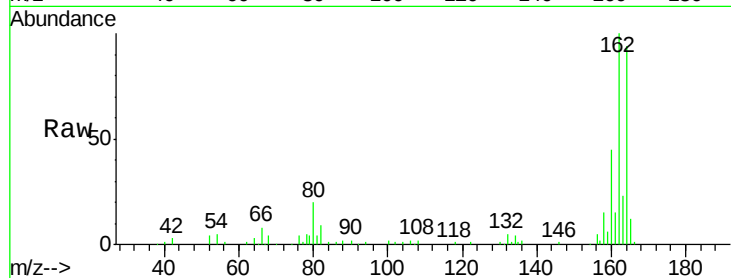




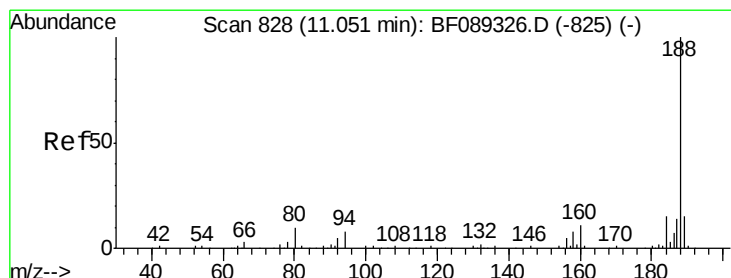
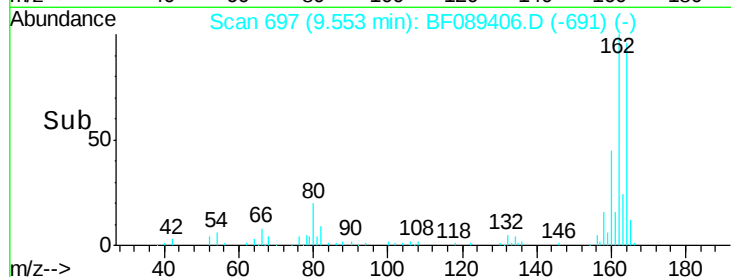
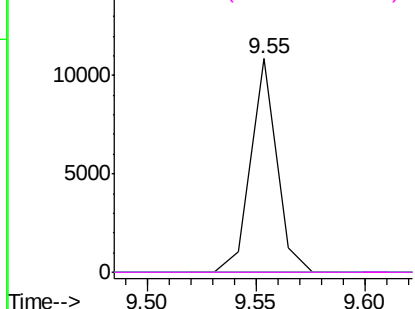
#56
 2,4-Dinitrotoluene
 Concen: 5.97 ng
 RT: 9.55 min Scan# 697
 Delta R.T. -0.23 min
 Lab File: BF089406.D
 Acq: 29 Jul 2016 12:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 8996
 Ion Ratio Lower Upper
 165 100
 63 0.0 58.2 87.2#
 89 0.0 79.1 118.7#
 182 0.0 1.8 2.8#

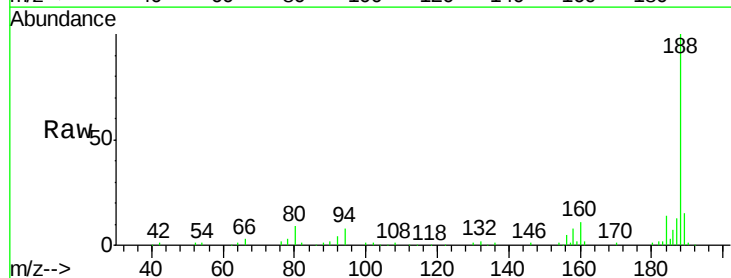


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

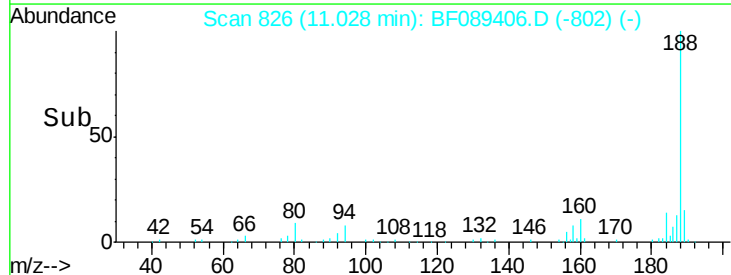
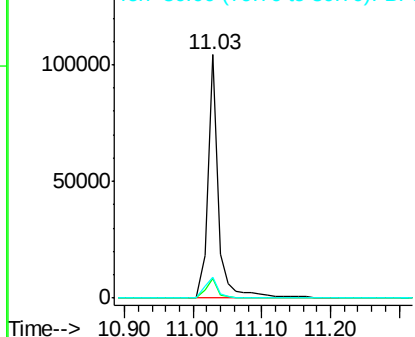


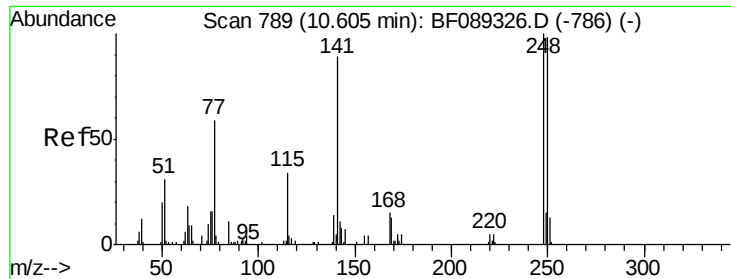
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.03 min Scan# 826
 Delta R.T. -0.02 min
 Lab File: BF089406.D
 Acq: 29 Jul 2016 12:16

Tgt Ion:188 Resp: 111314
 Ion Ratio Lower Upper
 188 100
 94 8.2 6.5 9.7
 80 8.8 7.2 10.8



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





#66

4-Bromophenyl-phenylether

Concen: 5.00 ng

RT: 10.34 min Scan# 766

Delta R.T. -0.26 min

Lab File: BF089406.D

Acq: 29 Jul 2016 12:16

Instrument :

BNA_F

ClientSampleId :

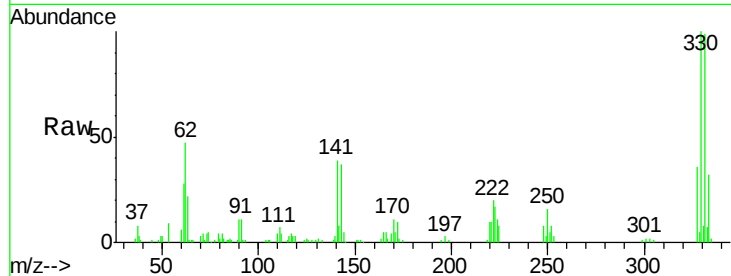
Tot Ion:248 Resp: 5312

Ion Ratio Lower Upper

248 100

250 199.3 78.2 117.2#

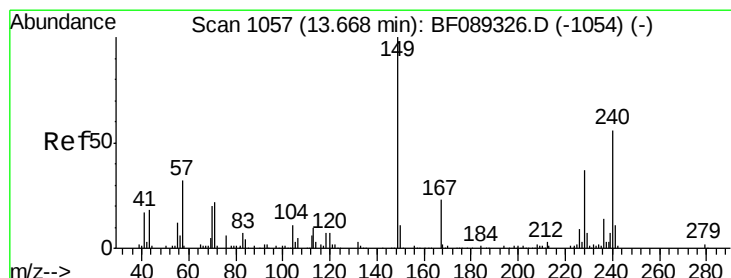
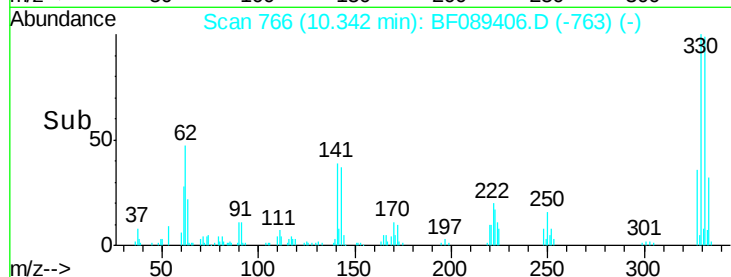
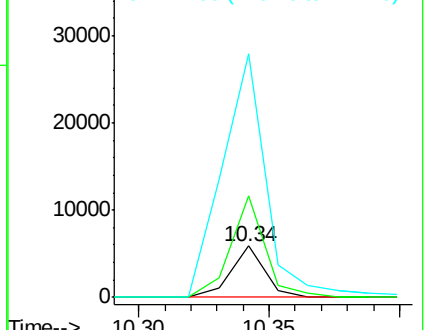
141 477.0 62.0 93.0#



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: 13.65 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BF089406.D

Acq: 29 Jul 2016 12:16

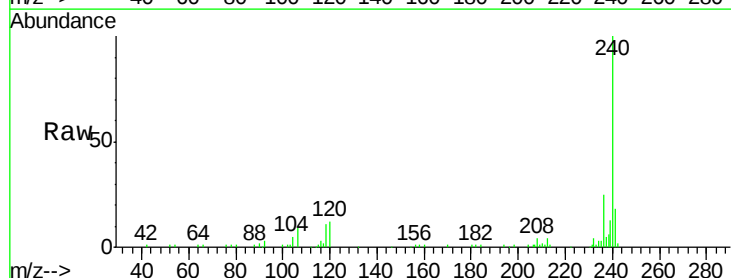
Tgt Ion:240 Resp: 92247

Ion Ratio Lower Upper

240 100

120 11.9 9.1 13.7

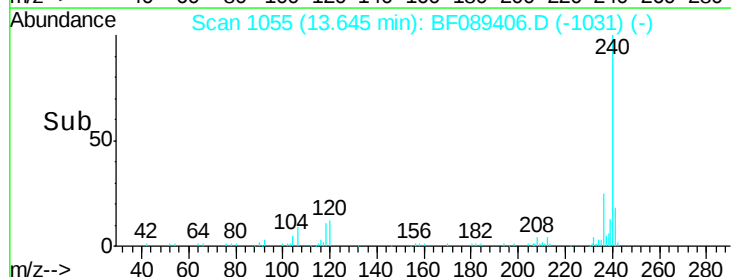
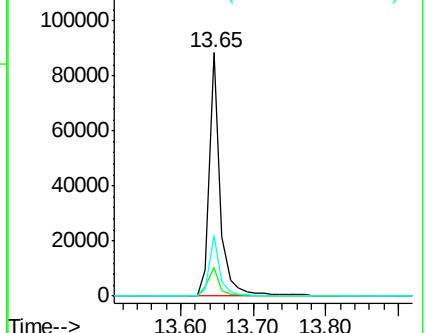
236 25.0 20.6 30.8

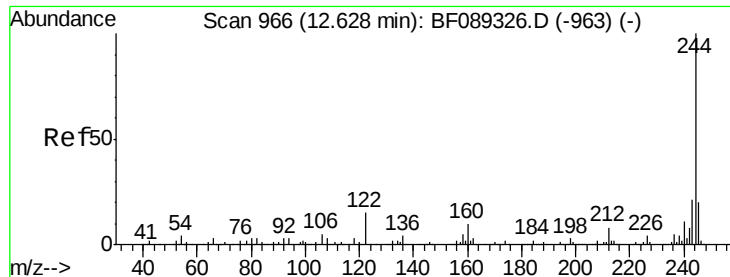


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

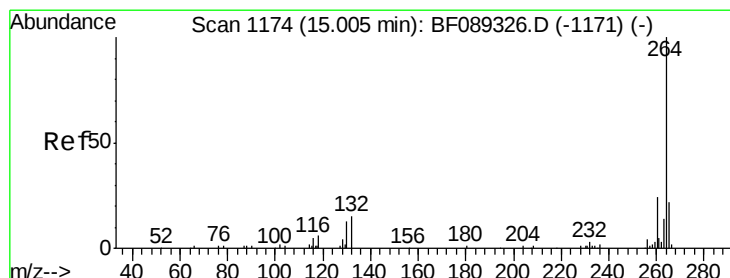
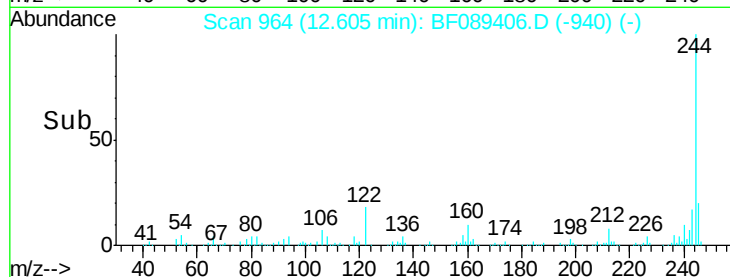
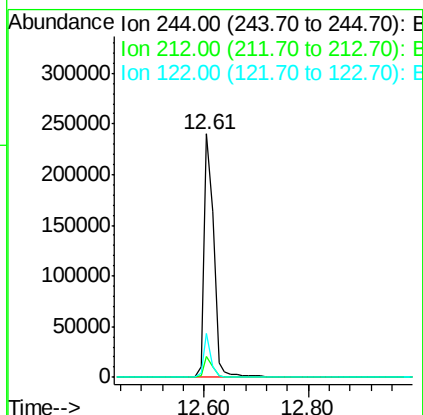
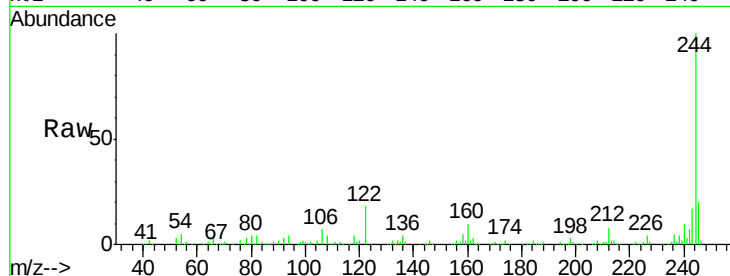




#78
 Terphenyl-d14
 Concen: 78.75 ng
 RT: 12.61 min Scan# 964
 Delta R.T. -0.02 min
 Lab File: BF089406.D
 Acq: 29 Jul 2016 12:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 310367
 Ion Ratio Lower Upper
 244 100
 212 8.5 6.5 9.7
 122 18.0 11.4 17.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.98 min Scan# 1172
 Delta R.T. -0.02 min
 Lab File: BF089406.D
 Acq: 29 Jul 2016 12:16

Tgt Ion:264 Resp: 76711
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.0 28.4
 265 21.6 17.5 26.3

