

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072916\
 Data File : BF089371.D
 Acq On : 28 Jul 2016 19:19
 Operator : UM/SJ
 Sample : H4232-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DSN001

Quant Time: Jul 29 01:16:18 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

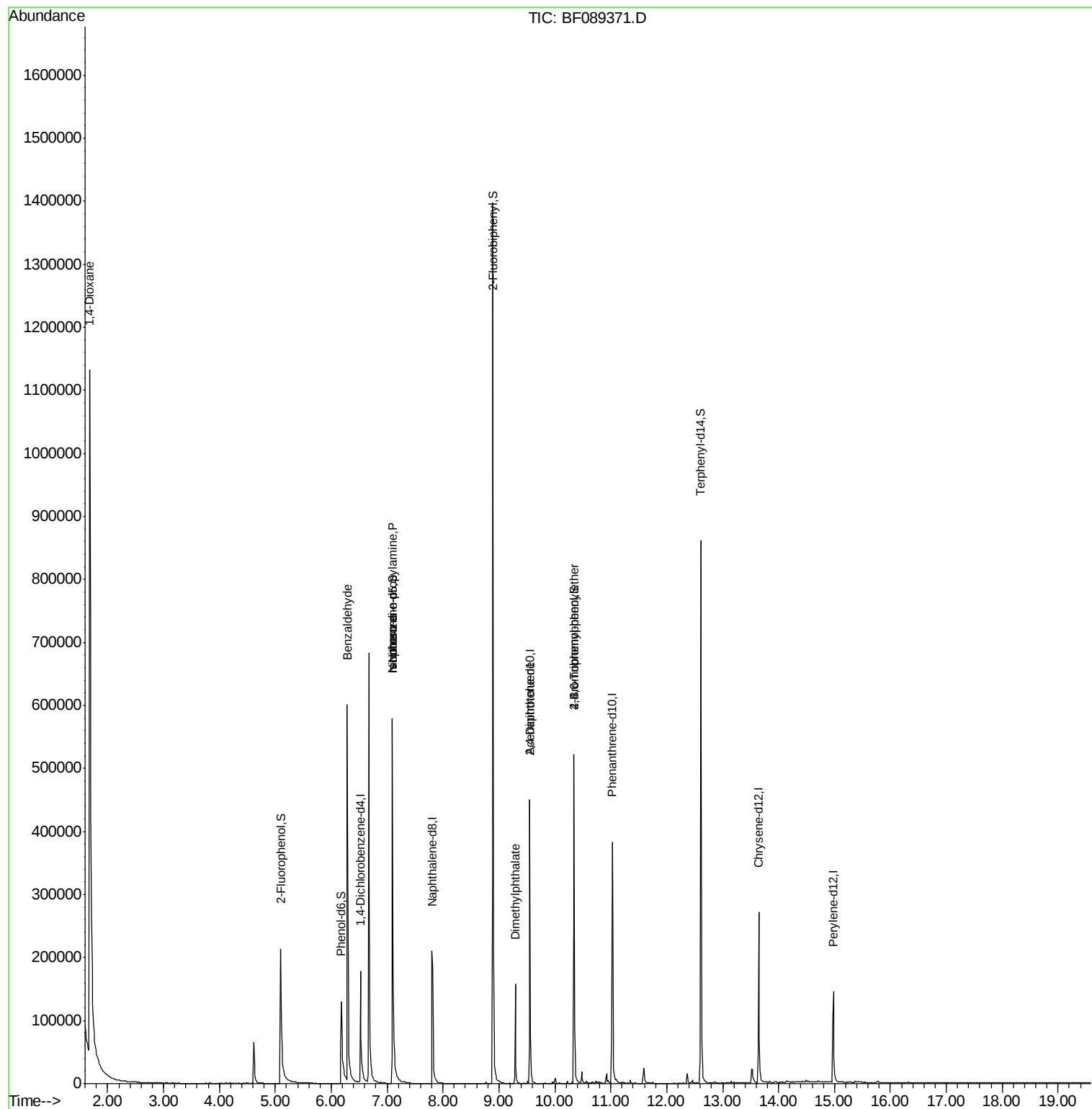
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	42238	20.00	ng	-0.02
21) Naphthalene-d8	7.80	136	180804	20.00	ng	-0.02
38) Acenaphthene-d10	9.55	164	92545	20.00	ng	-0.02
63) Phenanthrene-d10	11.03	188	167472	20.00	ng	-0.02
75) Chrysene-d12	13.65	240	106887	20.00	ng	-0.02
86) Perylene-d12	14.98	264	82722	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	116369	43.99	ng	-0.01
7) Phenol-d6	6.18	99	108224	30.96	ng	-0.02
23) Nitrobenzene-d5	7.10	82	257263	83.99	ng	-0.02
41) 2,4,6-Tribromophenol	10.34	330	70655	92.18	ng	-0.02
44) 2-Fluorobiphenyl	8.89	172	493781	78.30	ng	-0.02
78) Terphenyl-d14	12.60	244	368032	80.59	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	1.68	88	56199	47.55	ng	# 26
9) Benzaldehyde	6.28	77	5048	2.96	ng	# 70
19) n-Nitroso-di-n-propylamine	7.10	70	33863	16.06	ng	# 81
25) Isophorone	7.10	82	243959	39.54	ng	# 67
49) Dimethylphthalate	9.29	163	68816	9.77	ng	99
56) 2,4-Dinitrotoluene	9.55	165	11314	5.94	ng	# 7
66) 4-Bromophenyl-phenylether	10.34	248	5223	3.27	ng	# 1

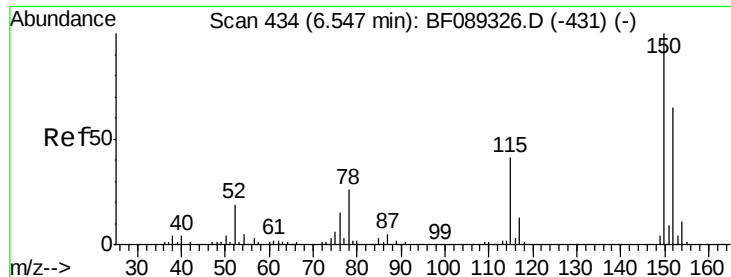
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 28 16:02:32 2016
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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: BF089371.D

Acq: 28 Jul 2016 19:19

Instrument :

BNA_F

ClientSampleId :

DSN001

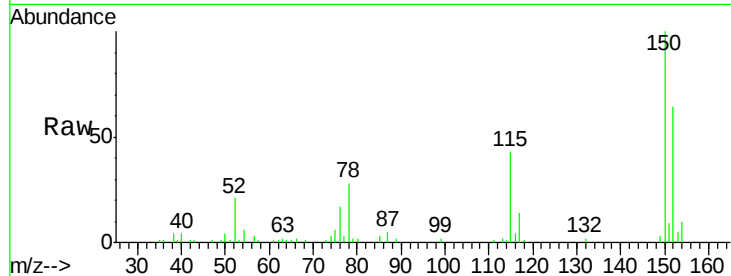
Tgt Ion:152 Resp: 42238

Ion Ratio Lower Upper

152 100

150 157.3 129.5 194.3

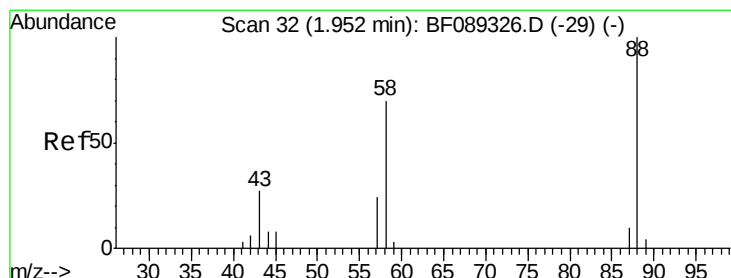
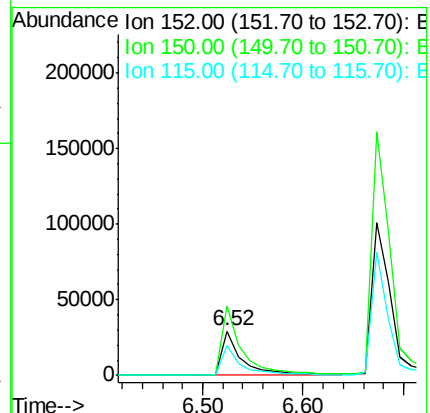
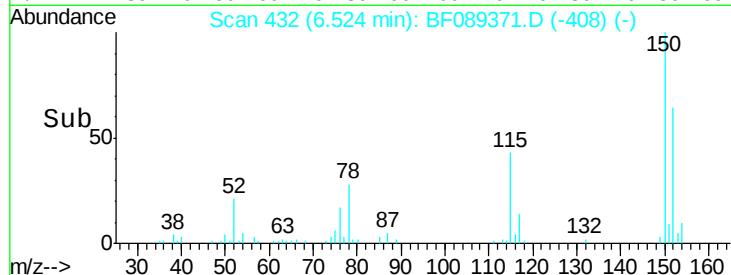
115 67.7 51.4 77.2



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



#2

1,4-Dioxane

Concen: 47.55 ng

RT: 1.68 min Scan# 8

Delta R.T. -0.27 min

Lab File: BF089371.D

Acq: 28 Jul 2016 19:19

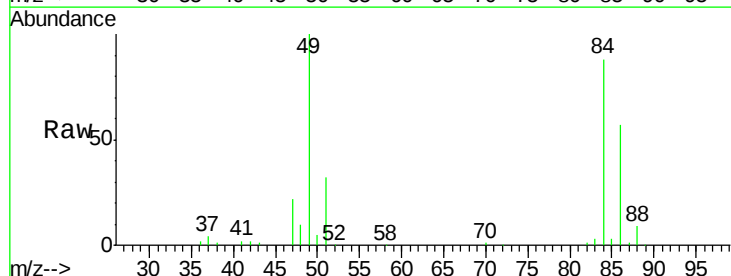
Tgt Ion: 88 Resp: 56199

Ion Ratio Lower Upper

88 100

58 0.0 53.2 79.8#

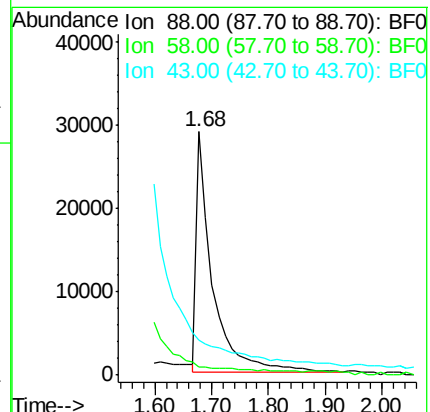
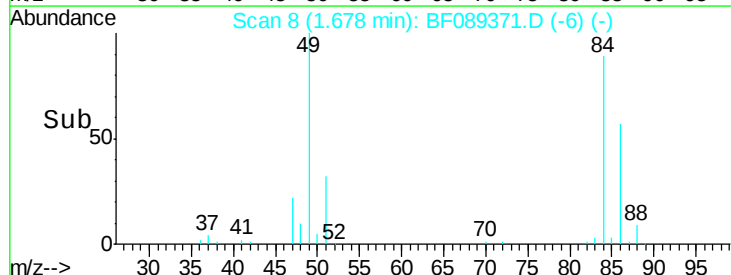
43 0.0 20.6 31.0#

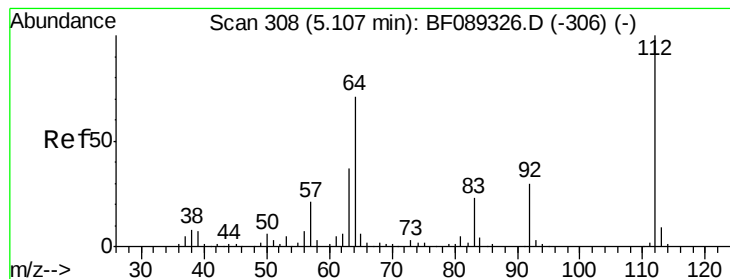


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 43.99 ng

RT: 5.10 min Scan# 307

Delta R.T. -0.01 min

Lab File: BF089371.D

Acq: 28 Jul 2016 19:19

Instrument :

BNA_F

ClientSampleId :

DSN001

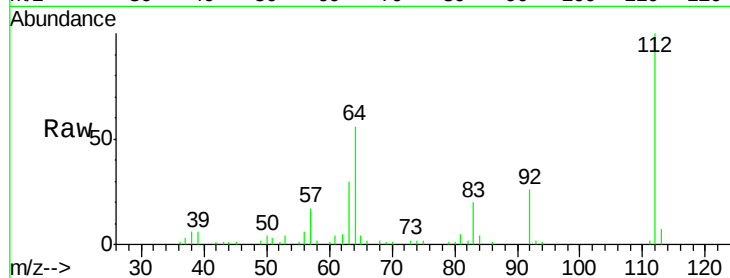
Tgt Ion: 112 Resp: 116369

Ion Ratio Lower Upper

112 100

64 55.8 55.0 82.6

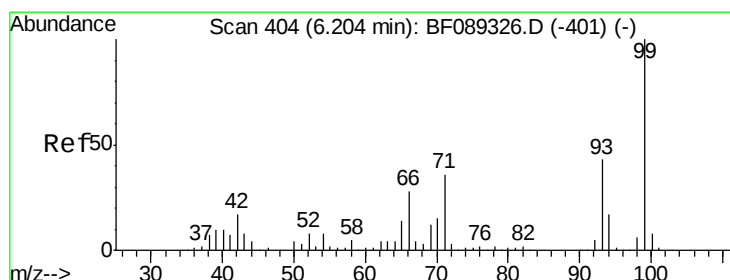
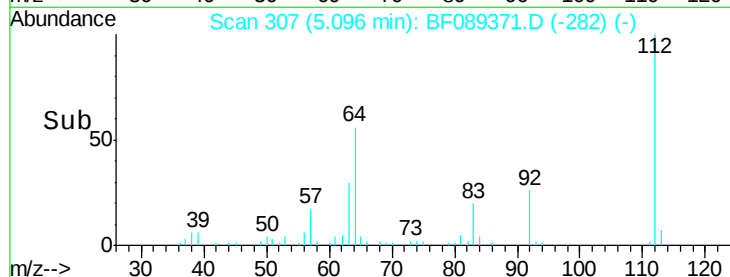
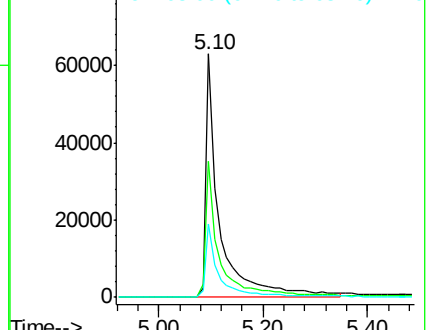
63 30.1 29.4 44.2



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 30.96 ng

RT: 6.18 min Scan# 402

Delta R.T. -0.02 min

Lab File: BF089371.D

Acq: 28 Jul 2016 19:19

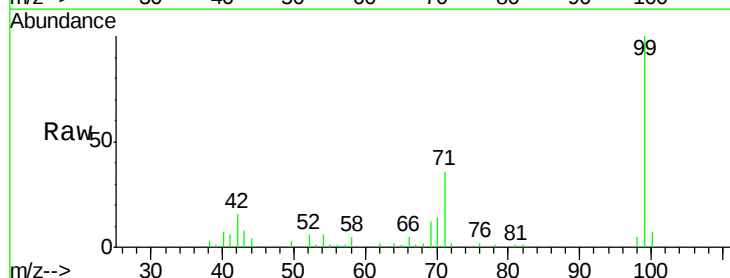
Tgt Ion: 99 Resp: 108224

Ion Ratio Lower Upper

99 100

42 16.1 13.6 20.4

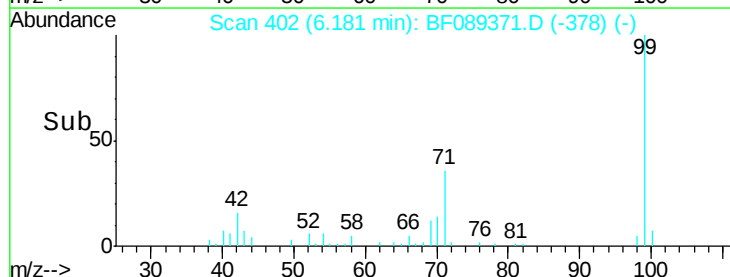
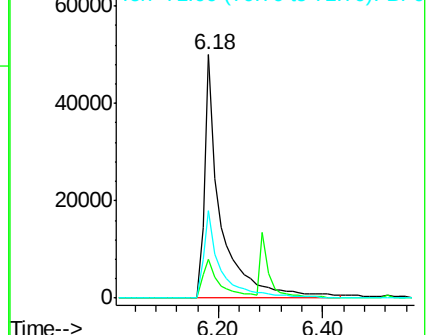
71 35.9 29.4 44.2

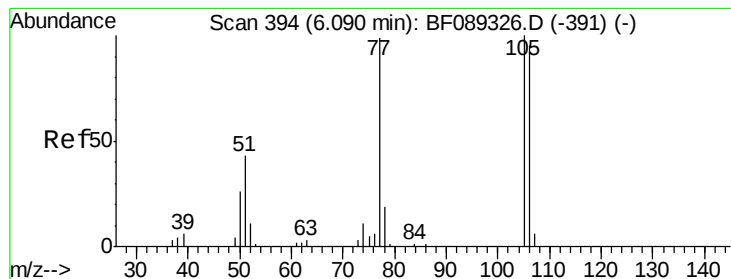


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 2.96 ng

RT: 6.28 min Scan# 411

Delta R.T. 0.19 min

Lab File: BF089371.D

Acq: 28 Jul 2016 19:19

Instrument :

BNA_F

ClientSampleId :

DSN001

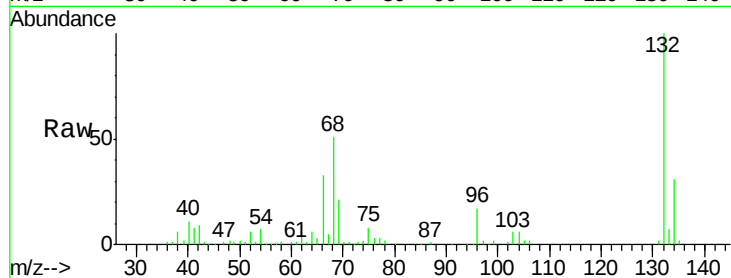
Tgt Ion: 77 Resp: 5048

Ion Ratio Lower Upper

77 100

105 72.7 82.9 122.9#

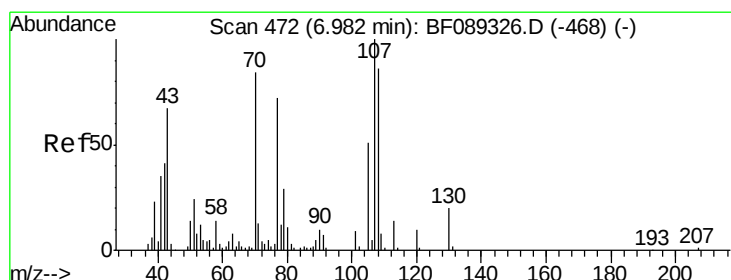
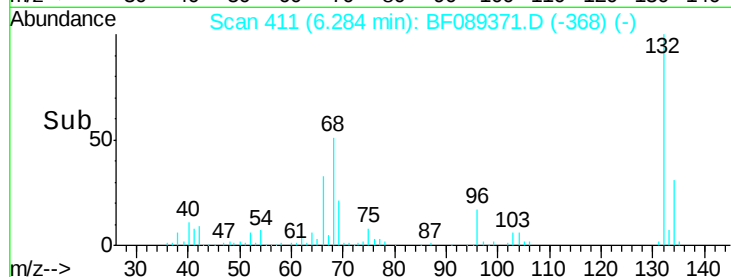
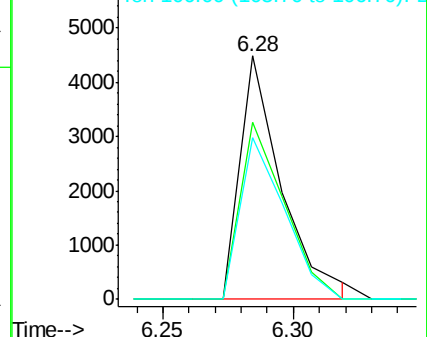
106 66.5 75.9 115.9#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 16.06 ng

RT: 7.10 min Scan# 482

Delta R.T. 0.11 min

Lab File: BF089371.D

Acq: 28 Jul 2016 19:19

Tgt Ion: 70 Resp: 33863

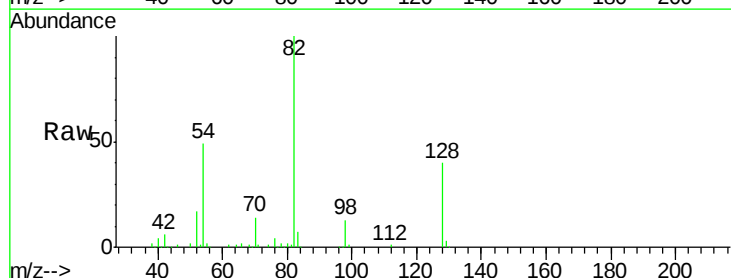
Ion Ratio Lower Upper

70 100

42 45.2 38.6 57.8

101 0.0 8.3 12.5#

130 2.0 19.0 28.4#

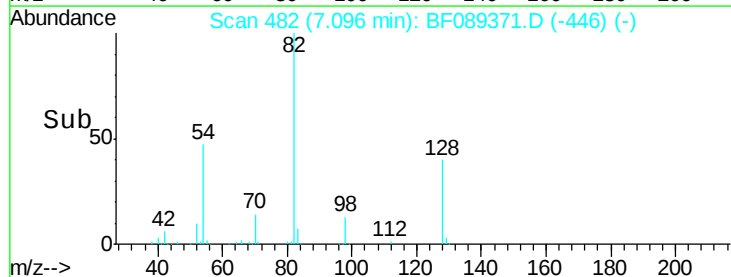
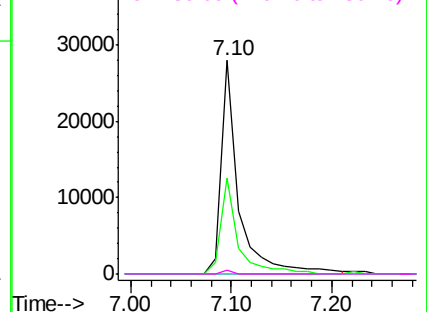


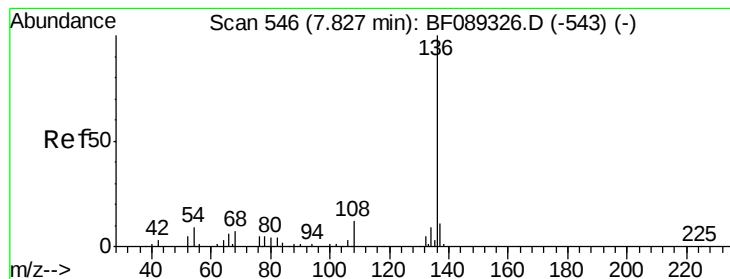
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.80 min Scan# 544

Delta R.T. -0.02 min

Lab File: BF089371.D

Acq: 28 Jul 2016 19:19

Instrument :

BNA_F

ClientSampleId :

DSN001

Tgt Ion: 136 Resp: 180804

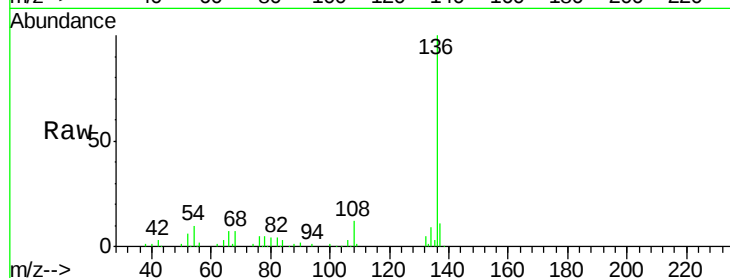
Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 10.0 7.0 10.4

68 7.2 4.9 7.3

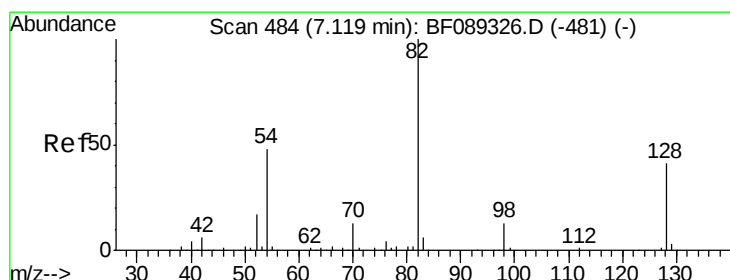
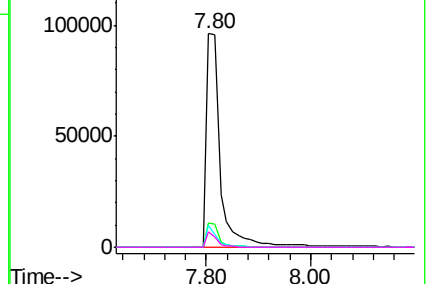
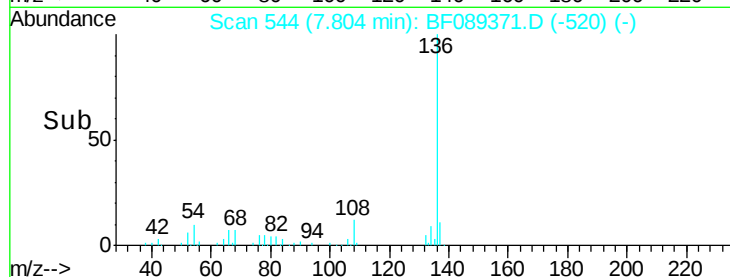


Abundance Ion 136.00 (135.70 to 136.70): E

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: 83.99 ng

RT: 7.10 min Scan# 482

Delta R.T. -0.02 min

Lab File: BF089371.D

Acq: 28 Jul 2016 19:19

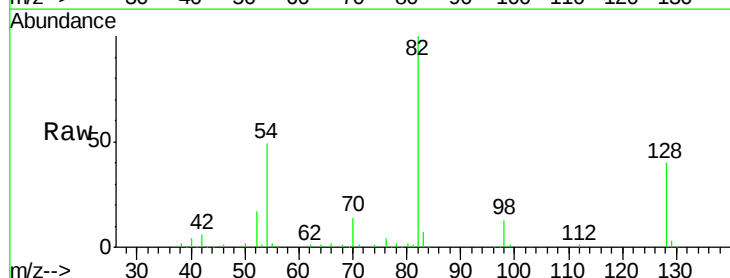
Tgt Ion: 82 Resp: 257263

Ion Ratio Lower Upper

82 100

128 40.3 32.5 48.7

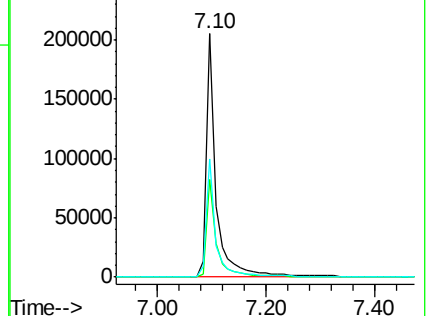
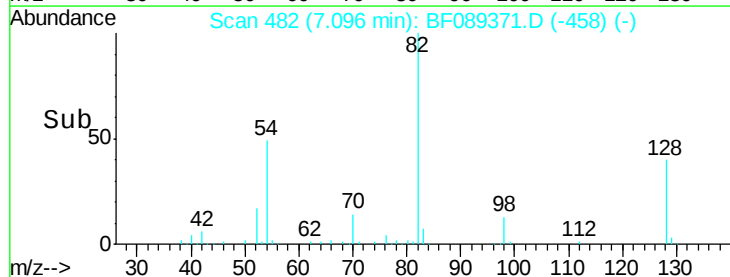
54 48.6 38.8 58.2

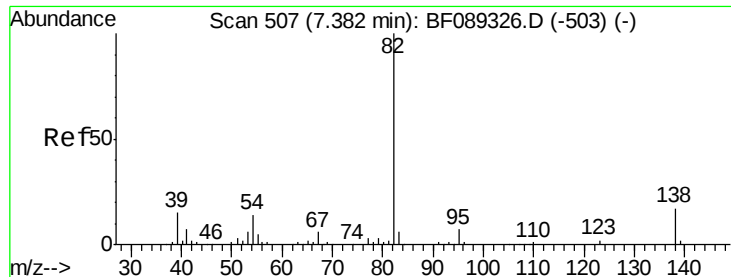


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 39.54 ng

RT: 7.10 min Scan# 482

Delta R.T. -0.29 min

Lab File: BF089371.D

Acq: 28 Jul 2016 19:19

Instrument :

BNA_F

ClientSampled :

DSN001

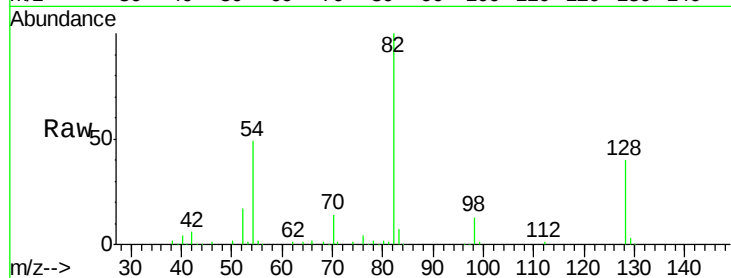
Tgt Ion: 82 Resp: 243959

Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

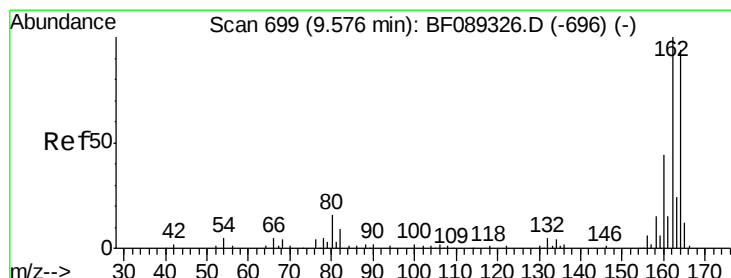
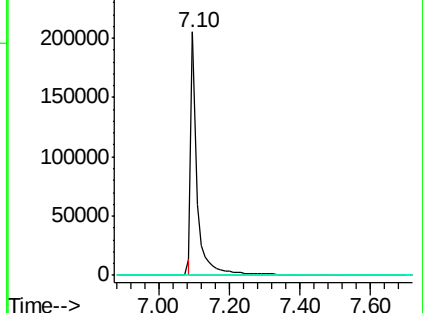
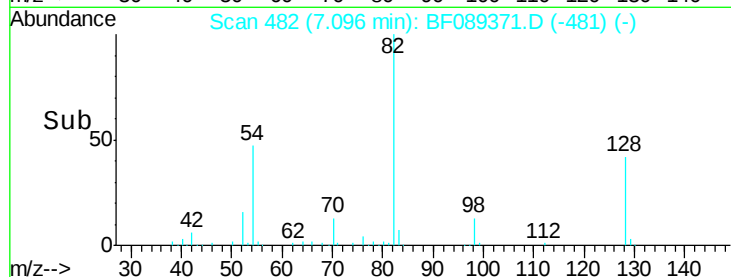
138 0.0 13.3 19.9#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.55 min Scan# 697

Delta R.T. -0.02 min

Lab File: BF089371.D

Acq: 28 Jul 2016 19:19

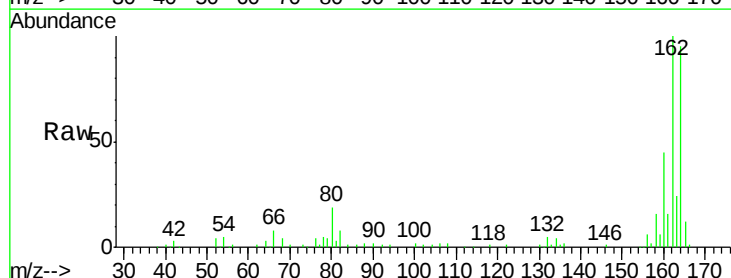
Tgt Ion: 164 Resp: 92545

Ion Ratio Lower Upper

164 100

162 105.2 83.7 125.5

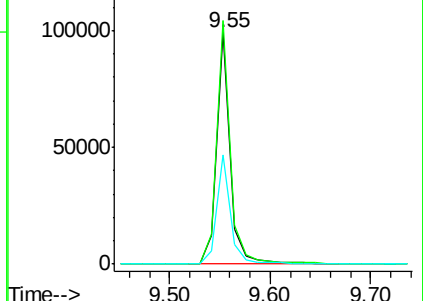
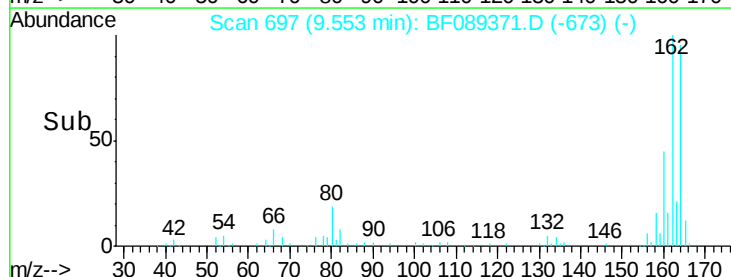
160 47.0 37.8 56.6

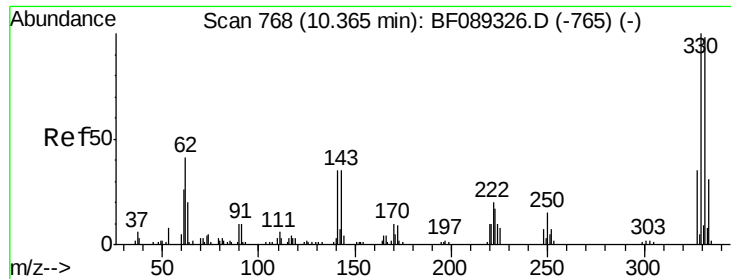


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

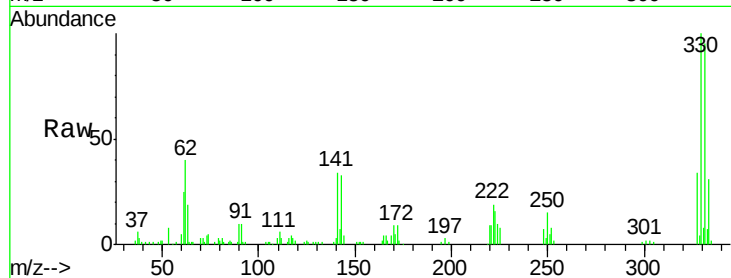




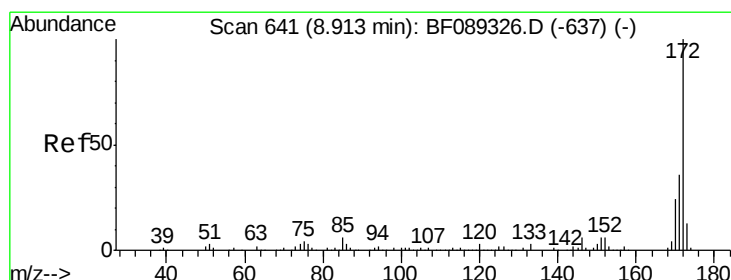
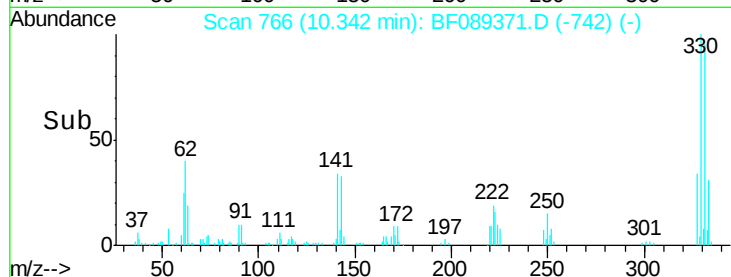
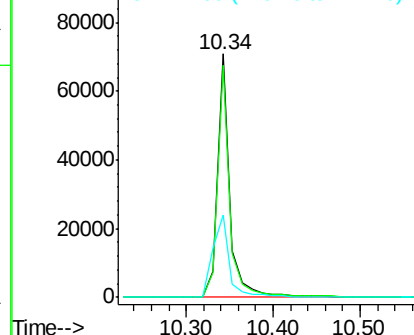
#41
 2,4,6-Tribromophenol
 Concen: 92.18 ng
 RT: 10.34 min Scan# 766
 Delta R.T. -0.02 min
 Lab File: BF089371.D
 Acq: 28 Jul 2016 19:19

Instrument :
 BNA_F
 ClientSampled :
 DSN001

Tgt Ion:330 Resp: 70655
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.8 115.2
 141 45.3 37.3 55.9

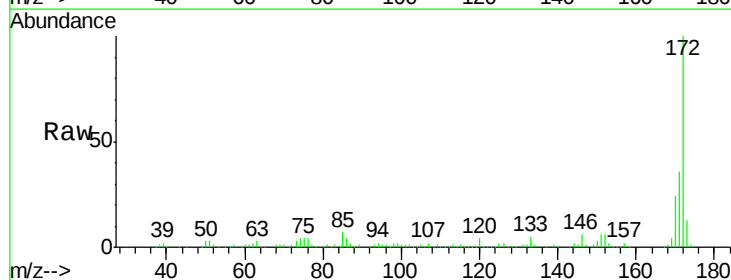


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

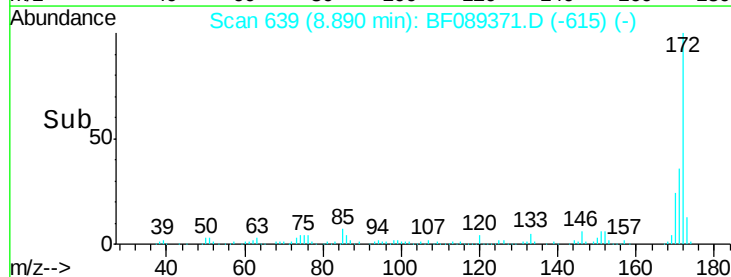
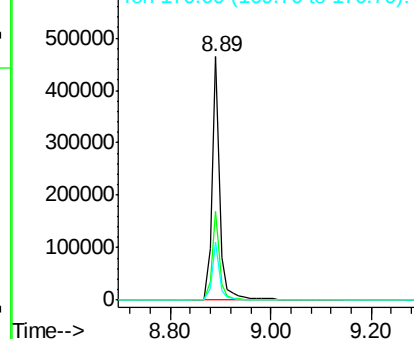


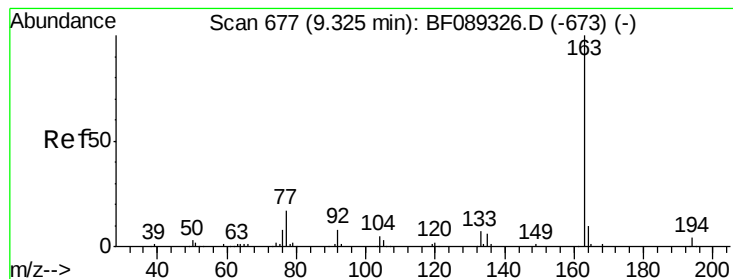
#44
 2-Fluorobiphenyl
 Concen: 78.30 ng
 RT: 8.89 min Scan# 639
 Delta R.T. -0.02 min
 Lab File: BF089371.D
 Acq: 28 Jul 2016 19:19

Tgt Ion:172 Resp: 493781
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.2 43.8
 170 23.9 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





#49

Dimethylphthalate

Concen: 9.77 ng

RT: 9.29 min Scan# 674

Delta R.T. -0.03 min

Lab File: BF089371.D

Acq: 28 Jul 2016 19:19

Instrument :

BNA_F

ClientSampleId :

DSN001

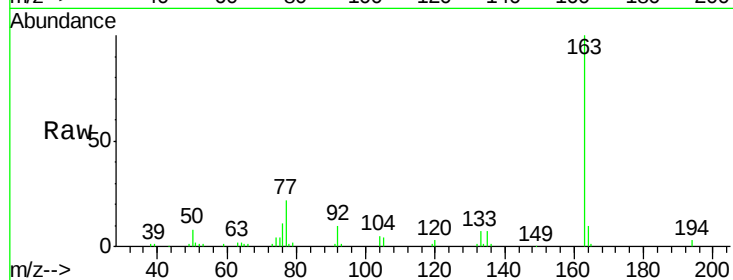
Tgt Ion:163 Resp: 68816

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

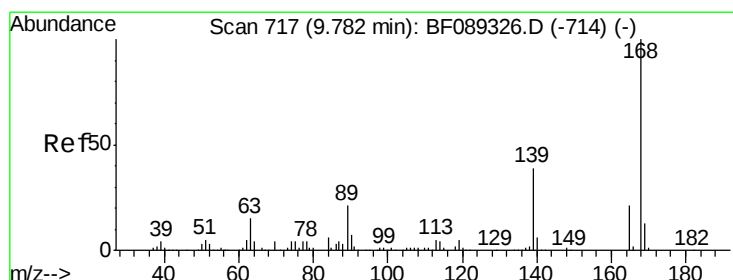
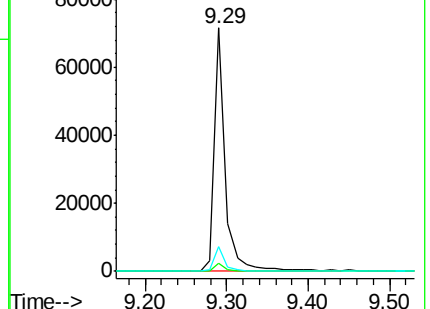
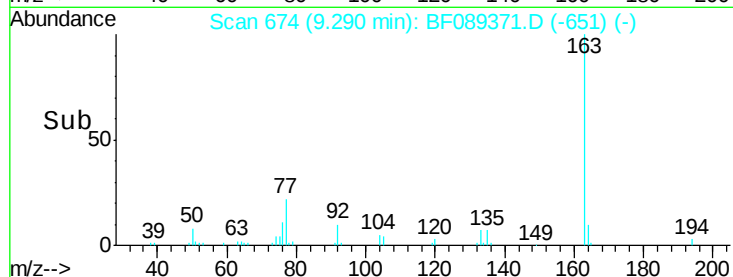
164 10.2 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 5.94 ng

RT: 9.55 min Scan# 697

Delta R.T. -0.23 min

Lab File: BF089371.D

Acq: 28 Jul 2016 19:19

Tgt Ion:165 Resp: 11314

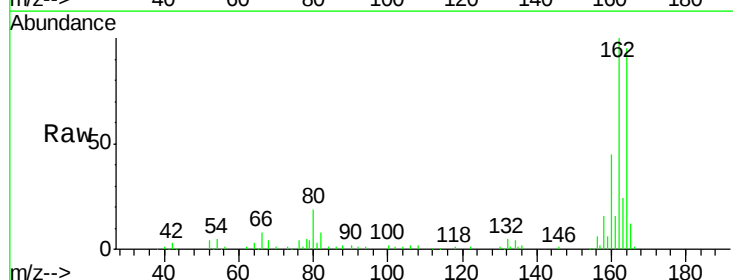
Ion Ratio Lower Upper

165 100

63 0.0 58.2 87.2#

89 0.0 79.1 118.7#

182 0.0 1.8 2.8#

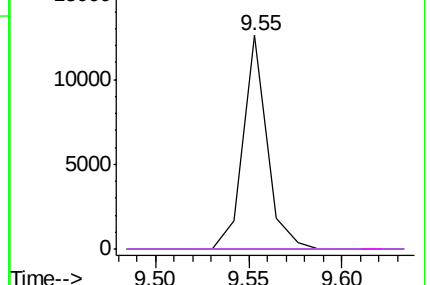
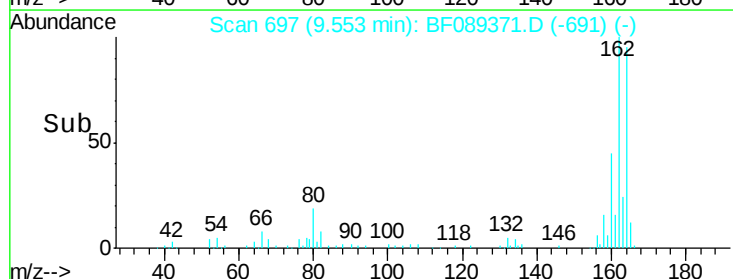


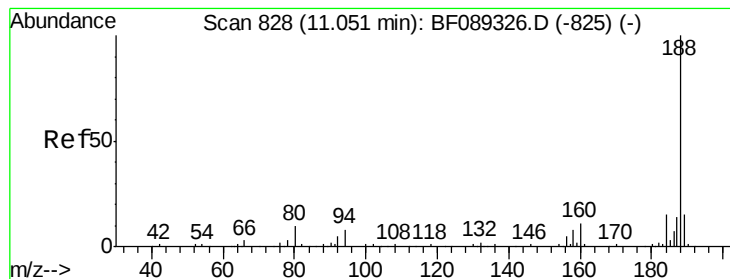
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF089371.D

Acq: 28 Jul 2016 19:19

Instrument :

BNA_F

ClientSampleId :

DSN001

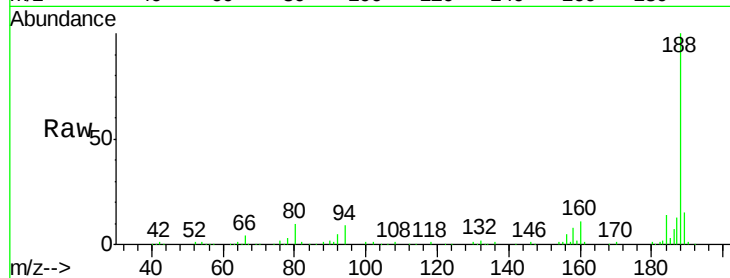
Tgt Ion:188 Resp: 167472

Ion Ratio Lower Upper

188 100

94 8.7 6.5 9.7

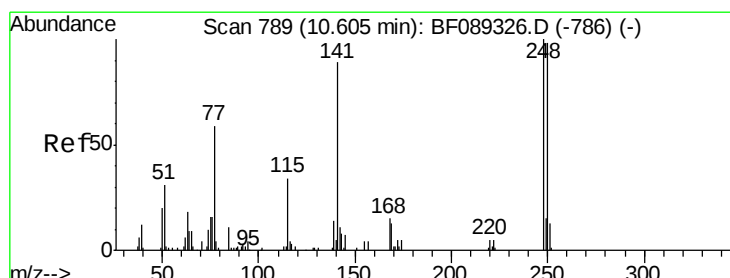
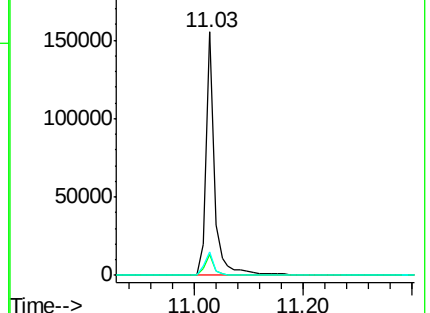
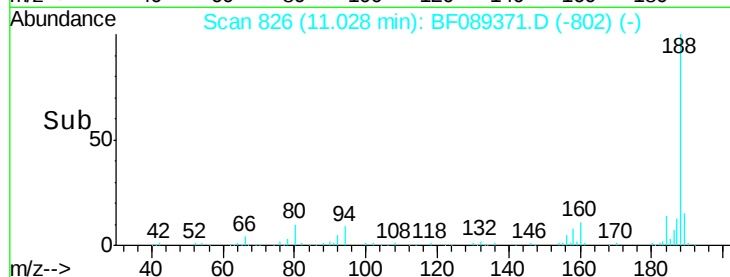
80 9.6 7.2 10.8



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: 3.27 ng

RT: 10.34 min Scan# 766

Delta R.T. -0.26 min

Lab File: BF089371.D

Acq: 28 Jul 2016 19:19

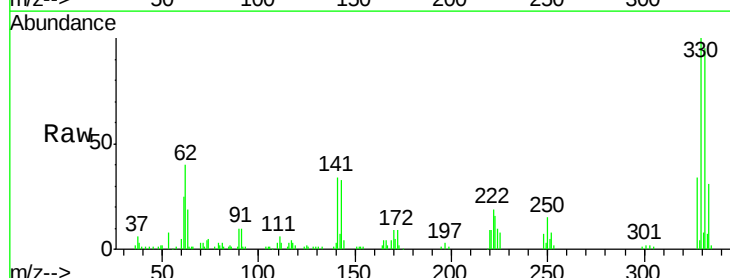
Tgt Ion:248 Resp: 5223

Ion Ratio Lower Upper

248 100

250 199.5 78.2 117.2#

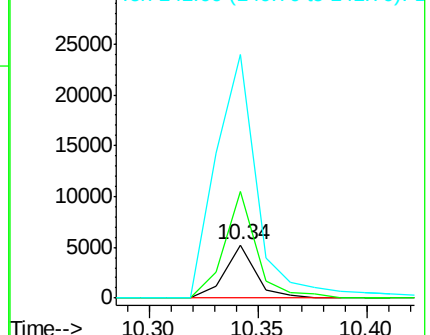
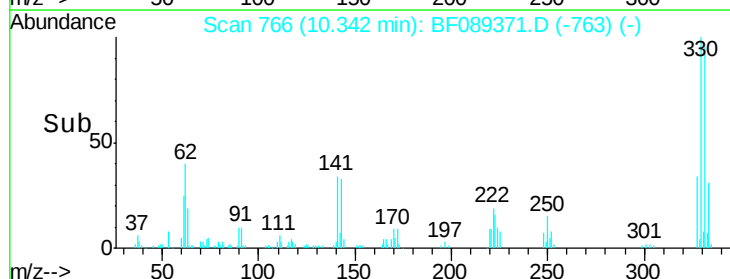
141 455.3 62.0 93.0#

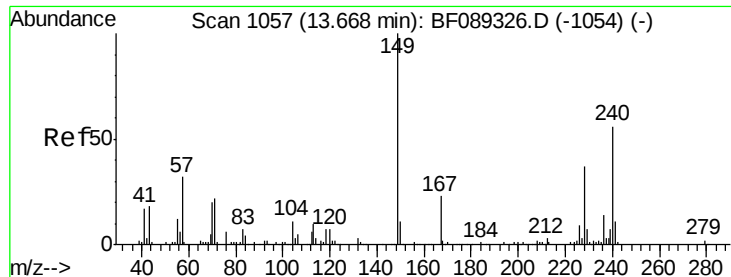


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF089371.D

Acq: 28 Jul 2016 19:19

Instrument :

BNA_F

ClientSampleId :

DSN001

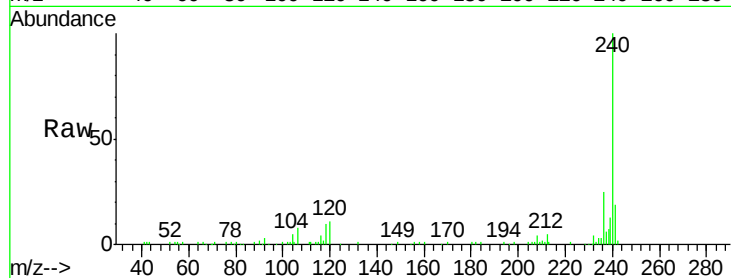
Tgt Ion:240 Resp: 106887

Ion Ratio Lower Upper

240 100

120 11.4 9.1 13.7

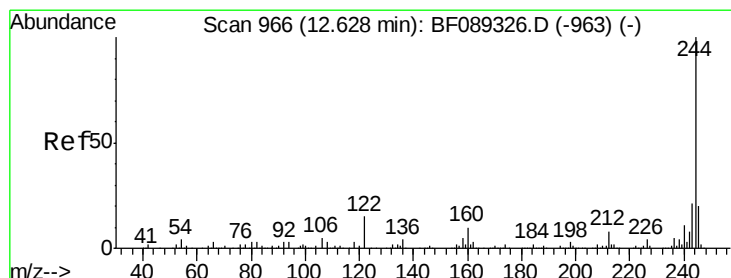
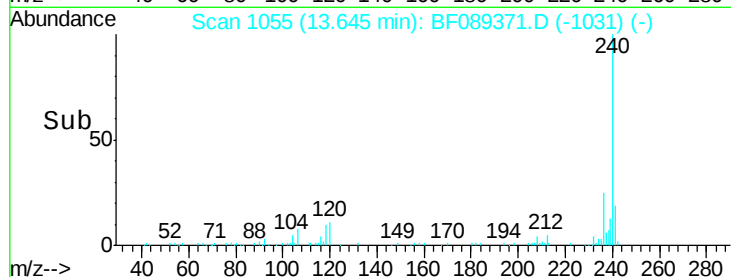
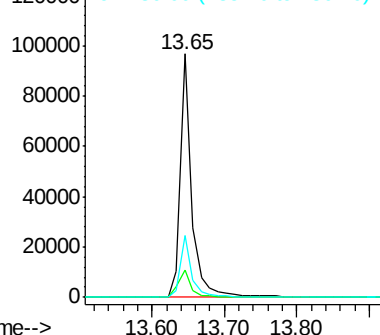
236 25.3 20.6 30.8



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: 80.59 ng

RT: 12.60 min Scan# 964

Delta R.T. -0.02 min

Lab File: BF089371.D

Acq: 28 Jul 2016 19:19

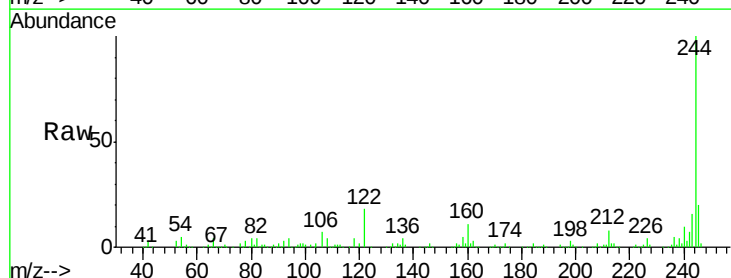
Tgt Ion:244 Resp: 368032

Ion Ratio Lower Upper

244 100

212 8.5 6.5 9.7

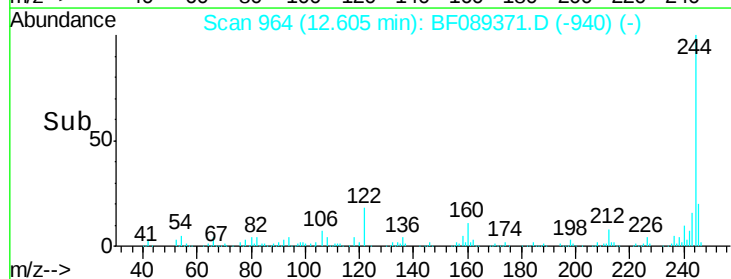
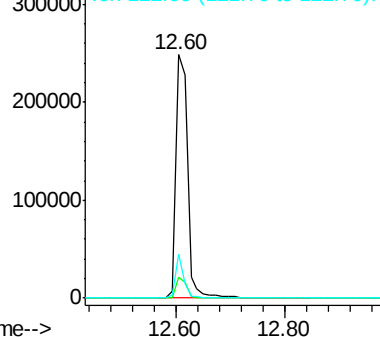
122 18.0 11.4 17.0#

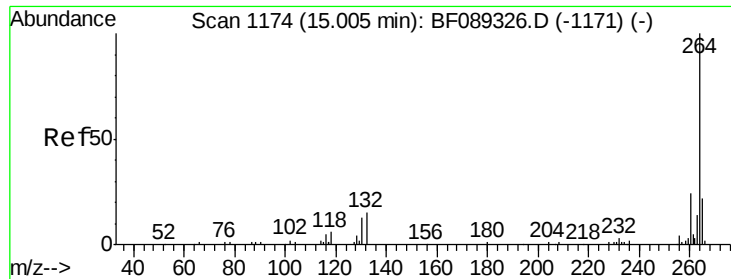


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

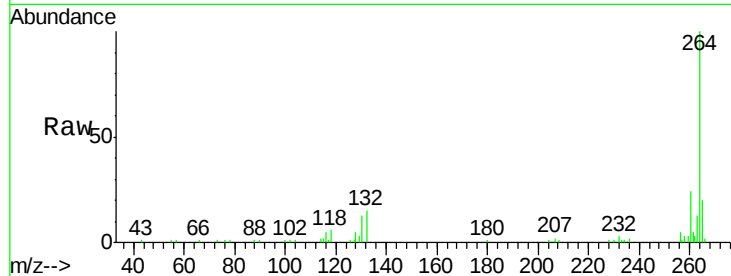




#86
Perylene-d12
Concen: 20.00 ng
RT: 14.98 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF089371.D
Acq: 28 Jul 2016 19:19

Instrument :
BNA_F
ClientSampleId :
DSN001

Tgt Ion: 264 Resp: 82722
Ion Ratio Lower Upper
264 100
260 23.7 19.0 28.4
265 19.9 17.5 26.3



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

