

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073016\
 Data File : BF089440.D
 Acq On : 30 Jul 2016 6:40
 Operator : UM/SJ
 Sample : H4206-06
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 01 01:01:07 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

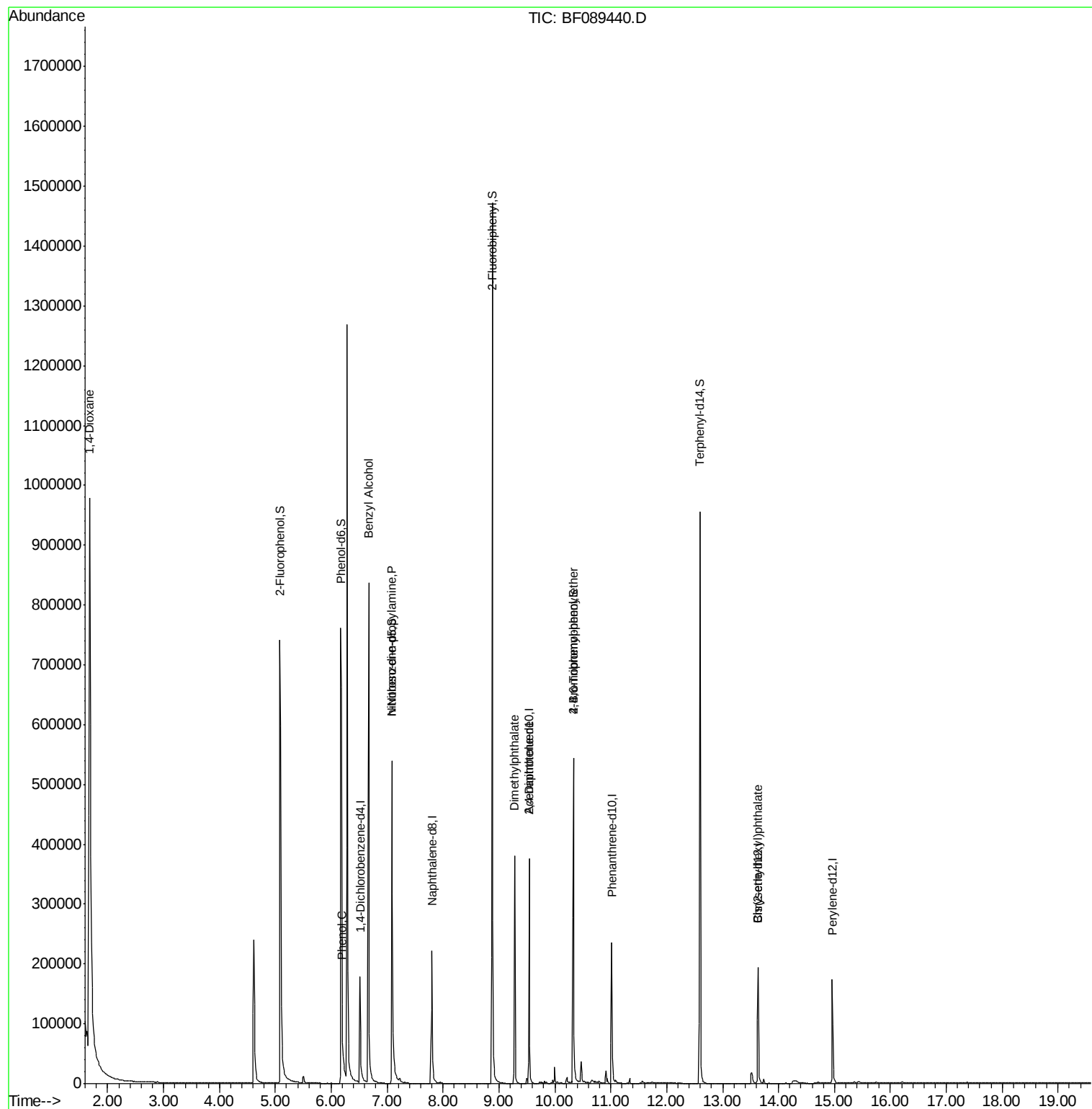
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.51	152	39934	20.00	ng	-0.03
21) Naphthalene-d8	7.80	136	158176	20.00	ng	-0.02
38) Acenaphthene-d10	9.54	164	73599	20.00	ng	-0.03
63) Phenanthrene-d10	11.02	188	113007	20.00	ng	-0.03
75) Chrysene-d12	13.63	240	78770	20.00	ng	-0.03
86) Perylene-d12	14.96	264	83871	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.08	112	350872	140.29	ng	-0.02
7) Phenol-d6	6.17	99	462934	140.06	ng	-0.03
23) Nitrobenzene-d5	7.08	82	281551	105.06	ng	-0.03
41) 2,4,6-Tribromophenol	10.33	330	74670	122.50	ng	-0.03
44) 2-Fluorobiphenyl	8.88	172	487765	97.26	ng	-0.03
78) Terphenyl-d14	12.59	244	297401	88.37	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	1.68	88	51271	45.75	ng	# 26
10) Phenol	6.19	94	8524	2.34	ng	# 82
15) Benzyl Alcohol	6.67	79	4564	2.23	ng	# 48
19) n-Nitroso-di-n-propylamine	7.08	70	35564	17.84	ng	# 82
49) Dimethylphthalate	9.28	163	149722	26.73	ng	99
56) 2,4-Dinitrotoluene	9.54	165	8897	5.87	ng	# 7
66) 4-Bromophenyl-phenylether	10.33	248	5361	4.97	ng	# 1
83) Bis(2-ethylhexyl)phthalate	13.63	149	20583	5.25	ng	# 92

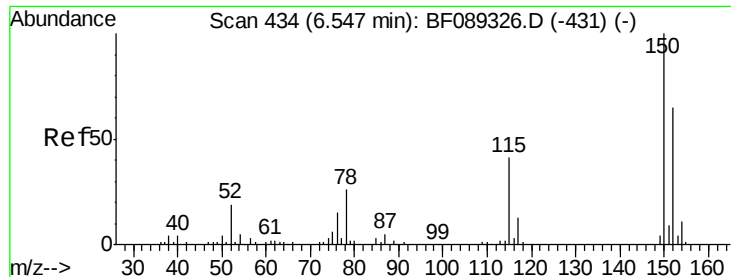
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.51 min Scan# 431

Delta R.T. -0.03 min

Lab File: BF089440.D

Acq: 30 Jul 2016 6:40

Instrument :

BNA_F

ClientSampleId :

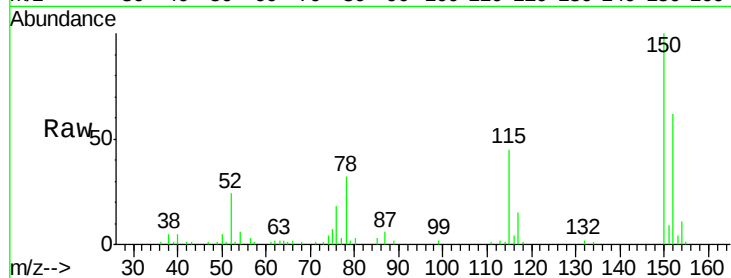
Tot Ion:152 Resp: 39934

Ion Ratio Lower Upper

152 100

150 160.7 129.5 194.3

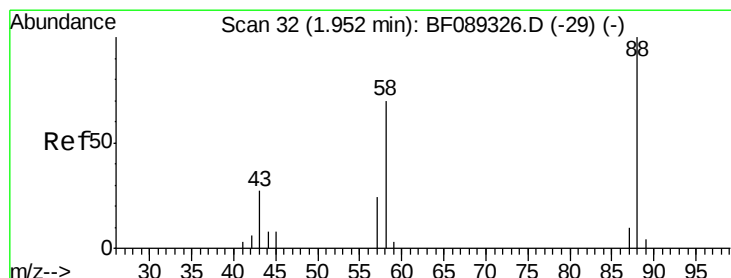
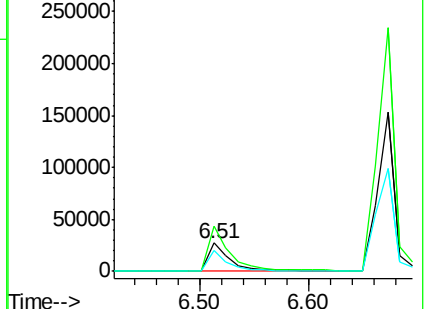
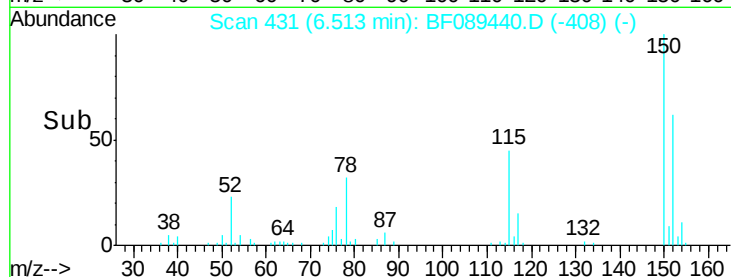
115 72.0 51.4 77.2



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: 45.75 ng

RT: 1.68 min Scan# 8

Delta R.T. -0.27 min

Lab File: BF089440.D

Acq: 30 Jul 2016 6:40

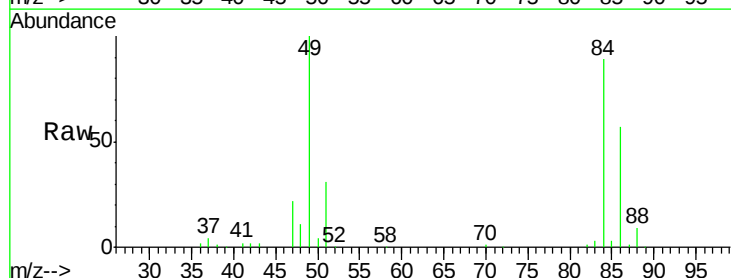
Tgt Ion: 88 Resp: 51271

Ion Ratio Lower Upper

88 100

58 0.0 53.2 79.8#

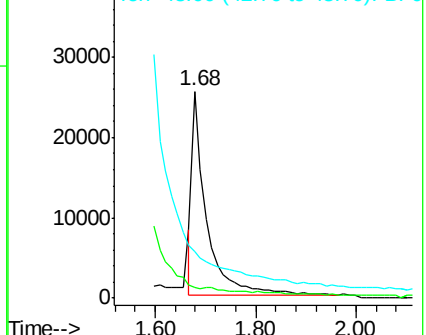
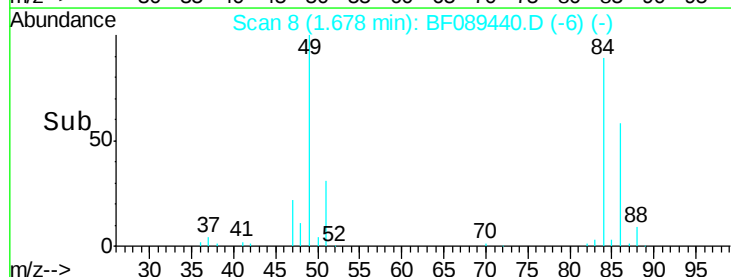
43 0.0 20.6 31.0#

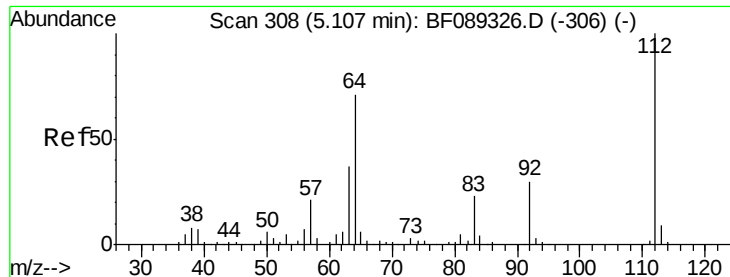


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 140.29 ng

RT: 5.08 min Scan# 306

Delta R.T. -0.02 min

Lab File: BF089440.D

Acq: 30 Jul 2016 6:40

Instrument :

BNA_F

ClientSampled :

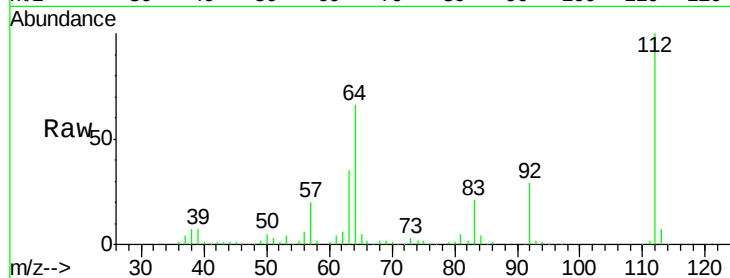
Tot Ion: 112 Resp: 350872

Ion Ratio Lower Upper

112 100

64 65.8 55.0 82.6

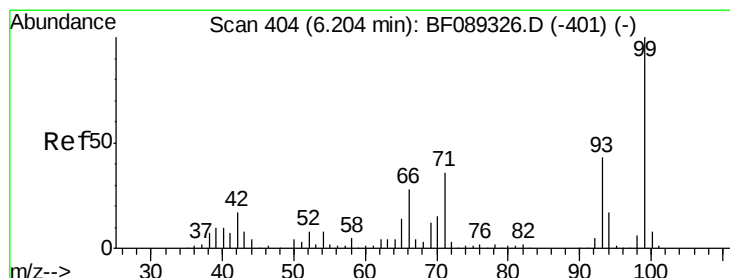
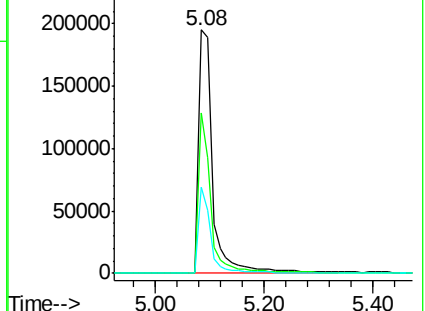
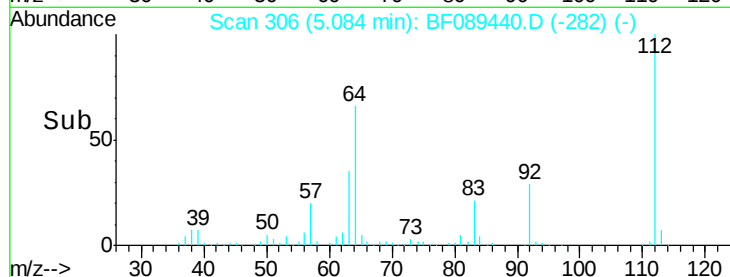
63 35.4 29.4 44.2



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: 140.06 ng

RT: 6.17 min Scan# 401

Delta R.T. -0.03 min

Lab File: BF089440.D

Acq: 30 Jul 2016 6:40

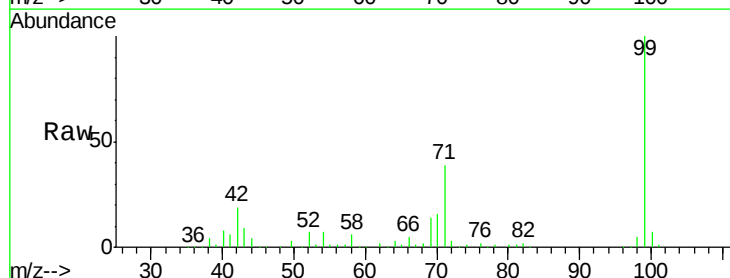
Tgt Ion: 99 Resp: 462934

Ion Ratio Lower Upper

99 100

42 19.2 13.6 20.4

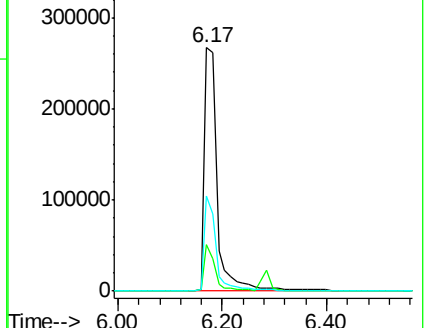
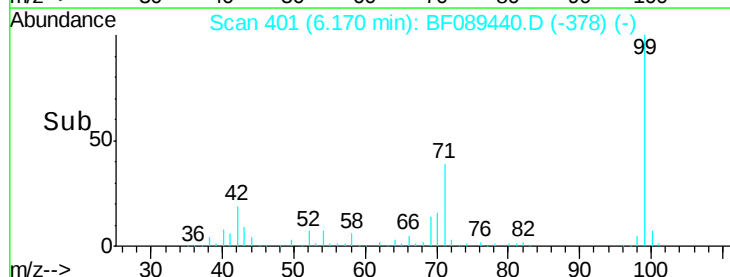
71 39.2 29.4 44.2

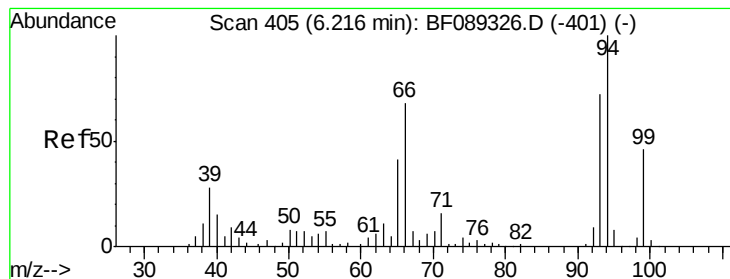


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#10

Phenol

Concen: 2.34 ng

RT: 6.19 min Scan# 403

Delta R.T. -0.02 min

Lab File: BF089440.D

Acq: 30 Jul 2016 6:40

Instrument :

BNA_F

ClientSampleId :

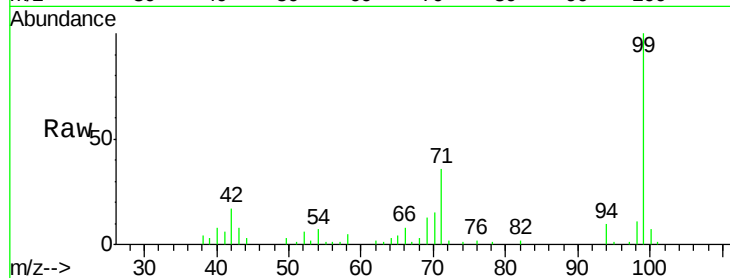
Tot Ion: 94 Resp: 8524

Ion Ratio Lower Upper

94 100

65 36.8 19.1 59.1

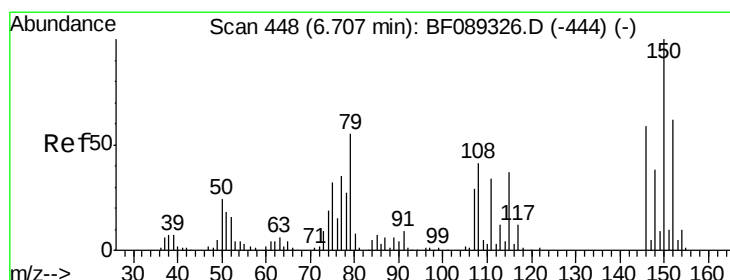
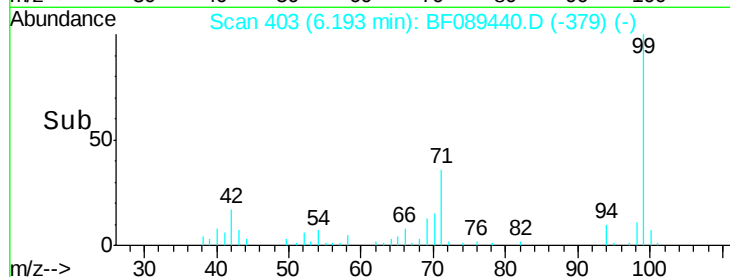
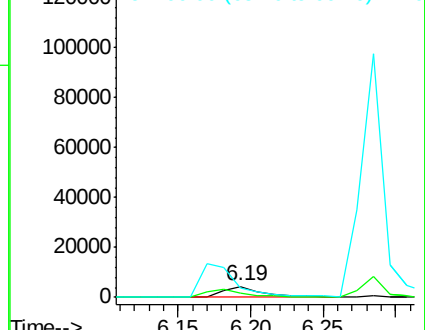
66 85.3 44.4 84.4#



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#15

Benzyl Alcohol

Concen: 2.23 ng

RT: 6.67 min Scan# 445

Delta R.T. -0.03 min

Lab File: BF089440.D

Acq: 30 Jul 2016 6:40

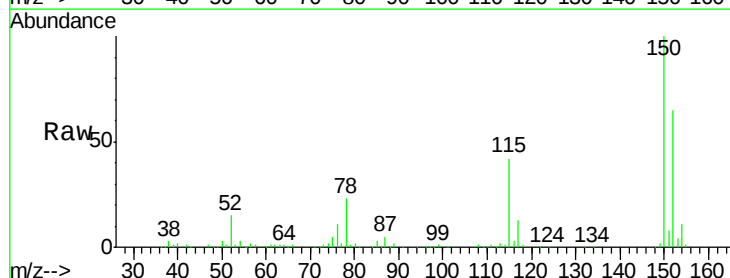
Tgt Ion: 79 Resp: 4564

Ion Ratio Lower Upper

79 100

108 35.9 59.8 89.6#

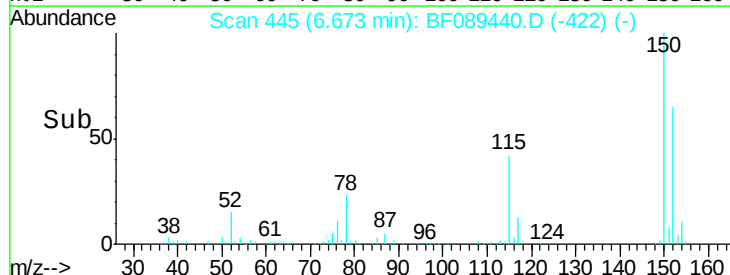
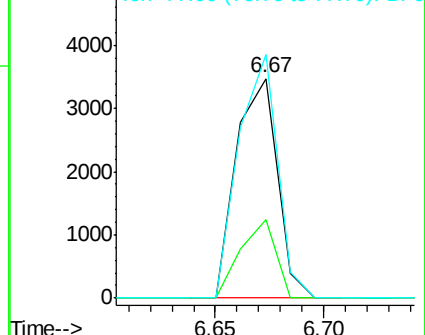
77 110.7 51.7 77.5#

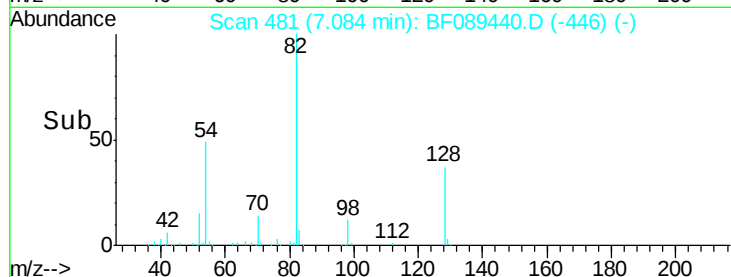
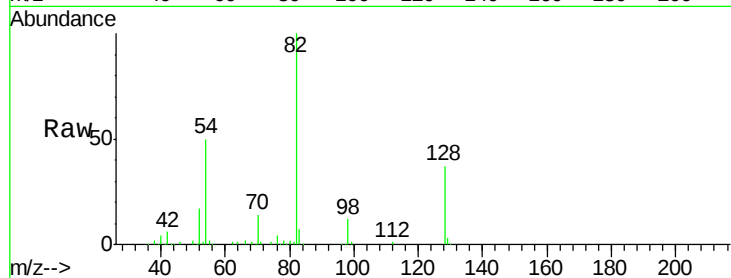
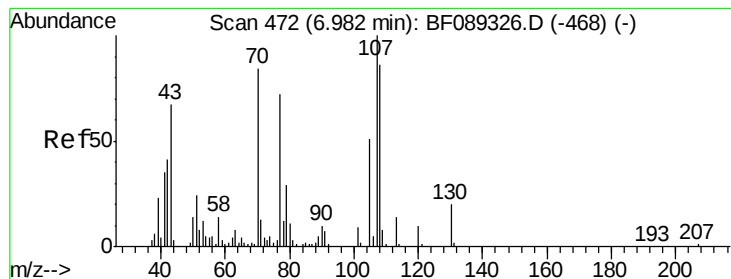


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 17.84 ng

RT: 7.08 min Scan# 481

Delta R.T. 0.10 min

Lab File: BF089440.D

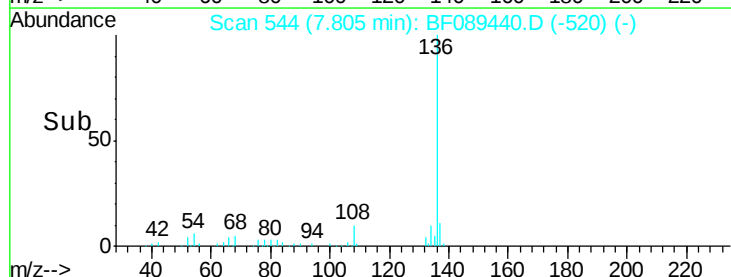
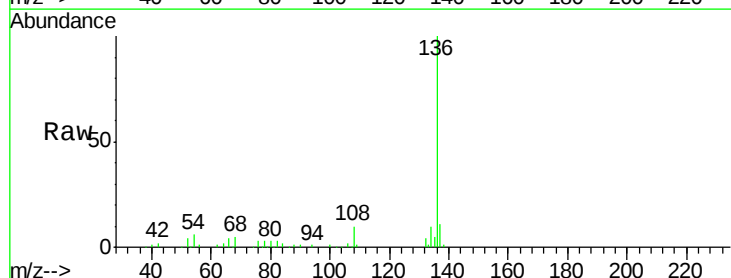
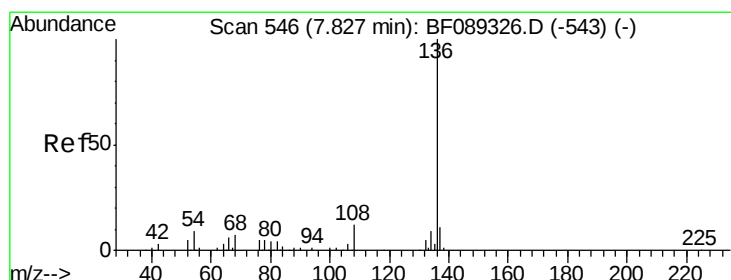
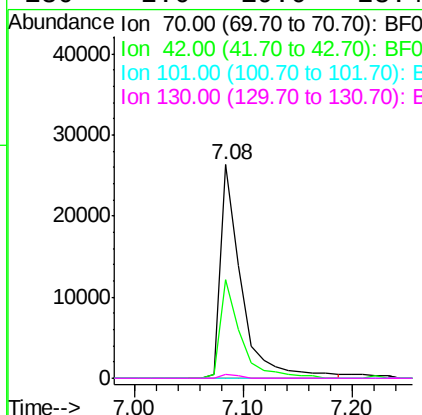
Acq: 30 Jul 2016 6:40

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	35564
Ion Ratio	Lower	Upper	
70	100		
42	46.2	38.6	57.8
101	0.0	8.3	12.5#
130	2.0	19.0	28.4#



#21

Naphthalene-d8

Concen: 20.00 ng

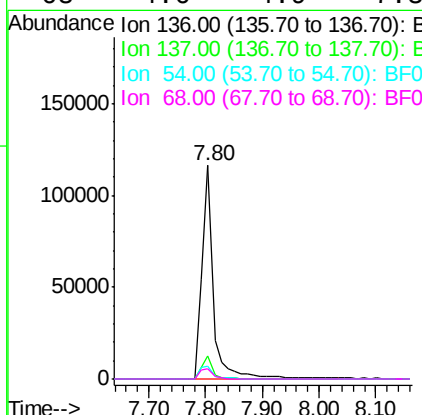
RT: 7.80 min Scan# 544

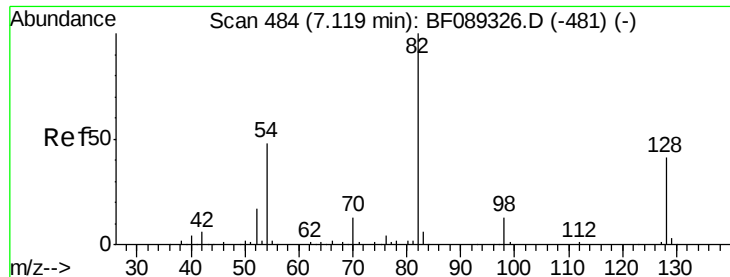
Delta R.T. -0.02 min

Lab File: BF089440.D

Acq: 30 Jul 2016 6:40

Tgt Ion:	136	Resp:	158176
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.6	13.0
54	6.1	7.0	10.4#
68	4.6	4.9	7.3#

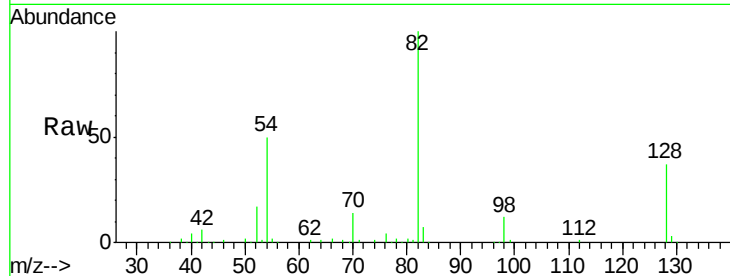




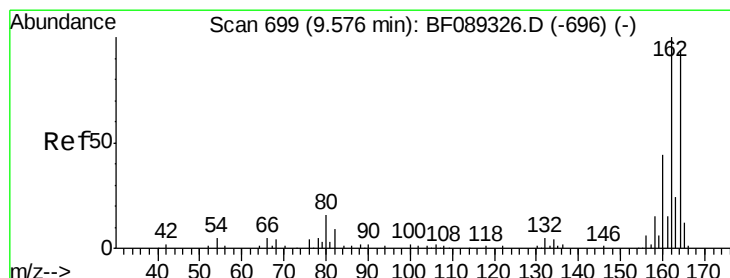
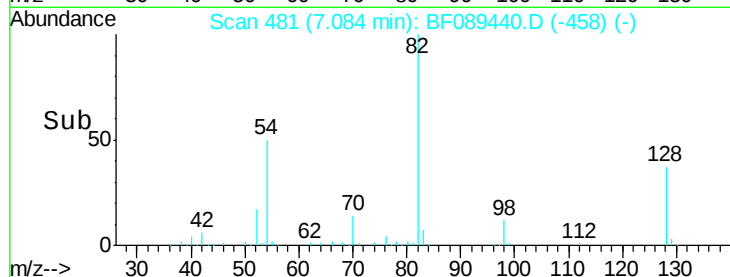
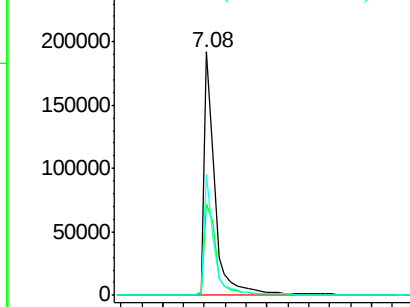
#23
 Nitrobenzene-d5
 Concen: 105.06 ng
 RT: 7.08 min Scan# 481
 Delta R.T. -0.03 min
 Lab File: BF089440.D
 Acq: 30 Jul 2016 6:40

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 281551
 Ion Ratio Lower Upper
 82 100
 128 37.3 32.5 48.7
 54 49.6 38.8 58.2

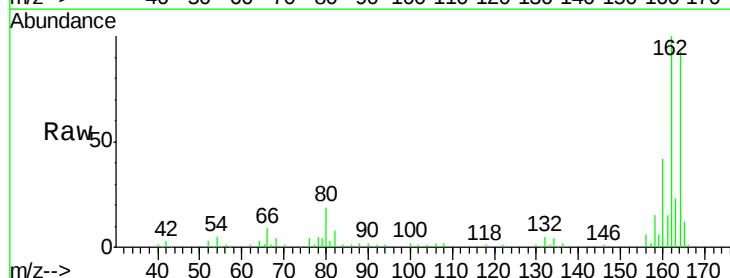


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

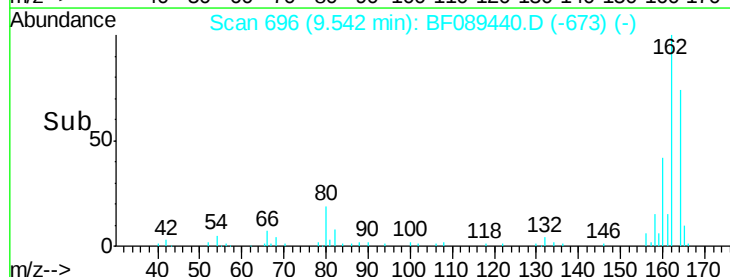
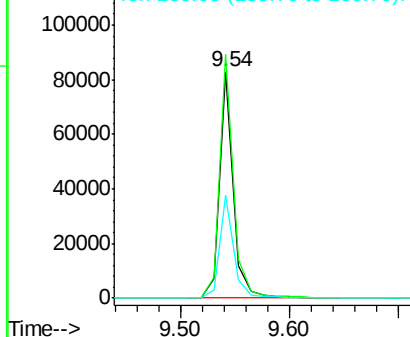


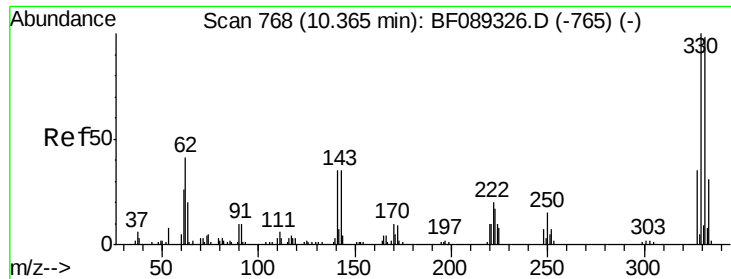
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.54 min Scan# 696
 Delta R.T. -0.03 min
 Lab File: BF089440.D
 Acq: 30 Jul 2016 6:40

Tgt Ion: 164 Resp: 73599
 Ion Ratio Lower Upper
 164 100
 162 107.7 83.7 125.5
 160 45.4 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

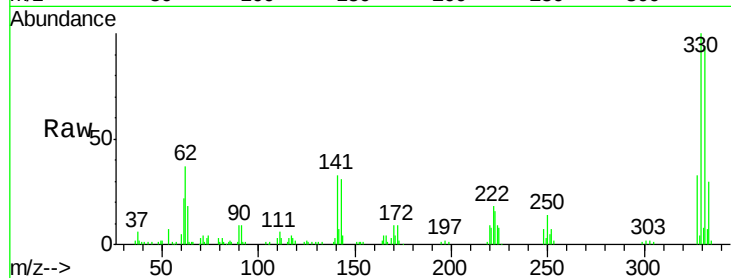




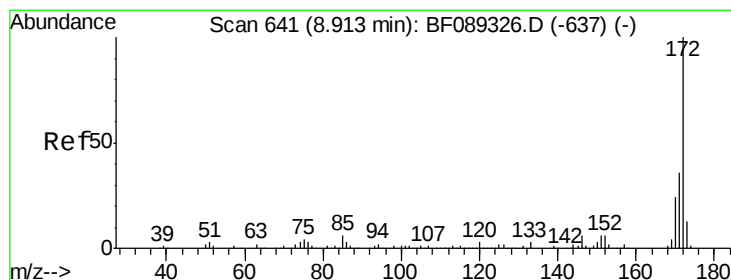
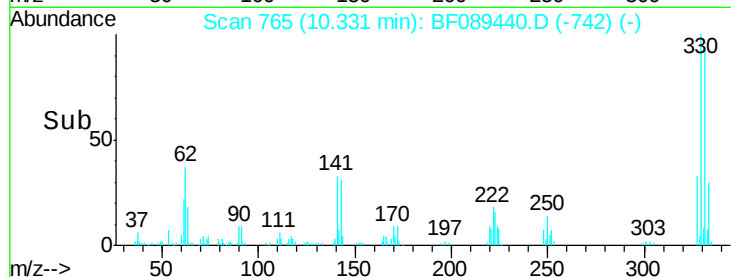
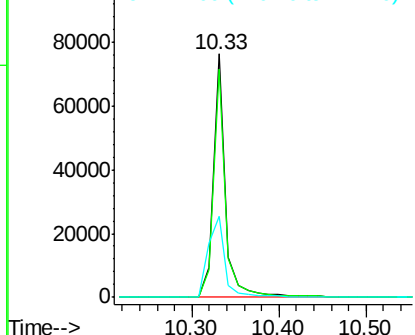
#41
 2,4,6-Tribromophenol
 Concen: 122.50 ng
 RT: 10.33 min Scan# 765
 Delta R.T. -0.03 min
 Lab File: BF089440.D
 Acq: 30 Jul 2016 6:40

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 74670
 Ion Ratio Lower Upper
 330 100
 332 94.7 76.8 115.2
 141 45.6 37.3 55.9

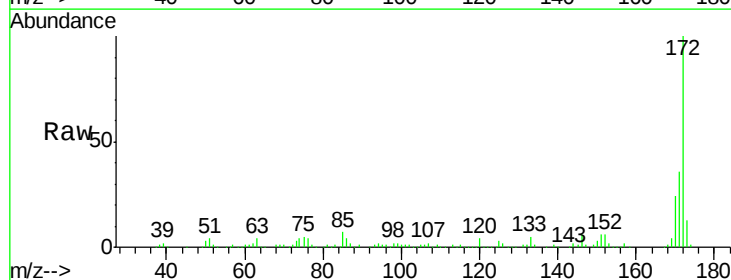


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

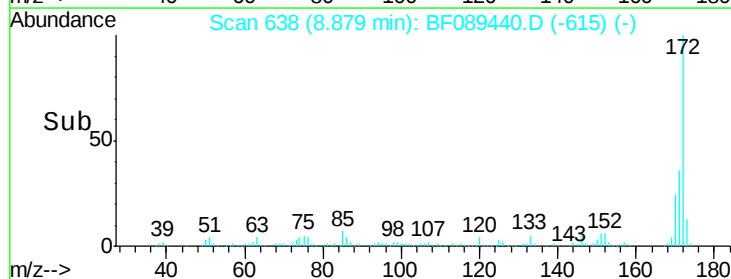
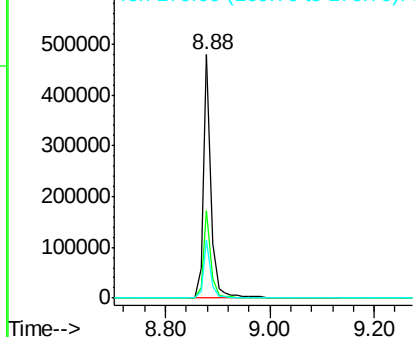


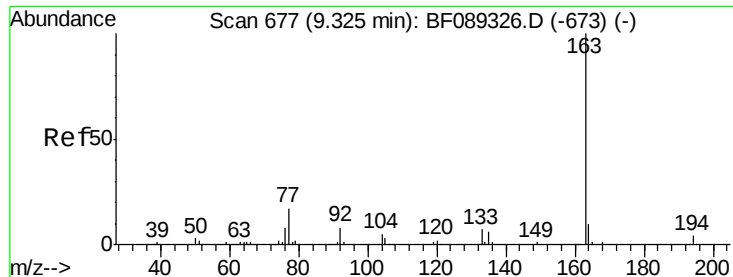
#44
 2-Fluorobiphenyl
 Concen: 97.26 ng
 RT: 8.88 min Scan# 638
 Delta R.T. -0.03 min
 Lab File: BF089440.D
 Acq: 30 Jul 2016 6:40

Tgt Ion:172 Resp: 487765
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.2 43.8
 170 23.8 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

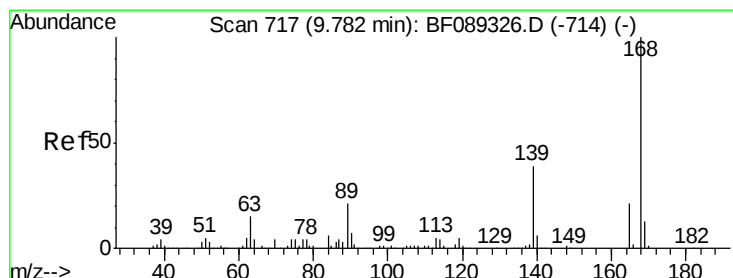
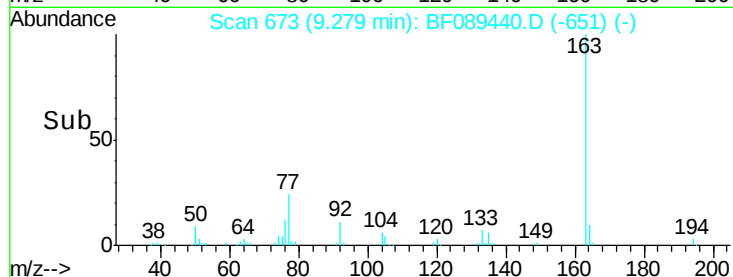
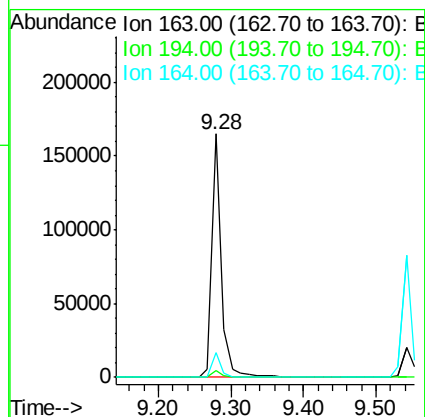
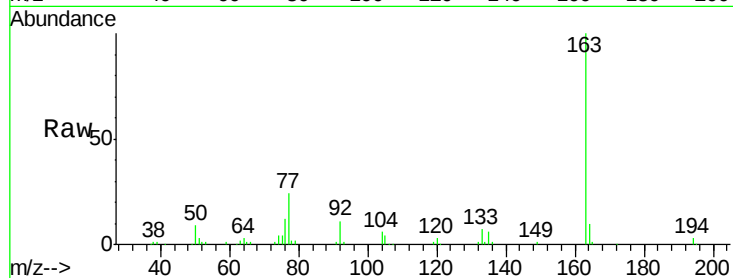




#49
Dimethylphthalate
Concen: 26.73 ng
RT: 9.28 min Scan# 673
Delta R.T. -0.05 min
Lab File: BF089440.D
Acq: 30 Jul 2016 6:40

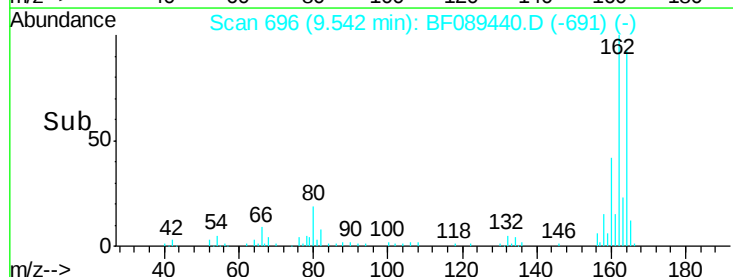
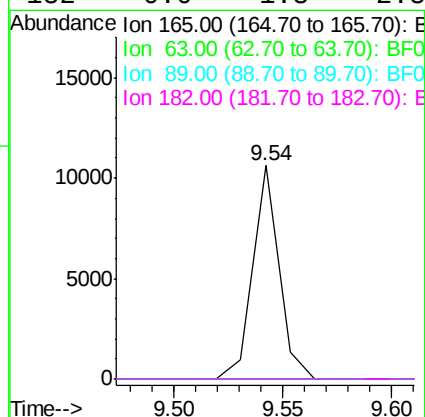
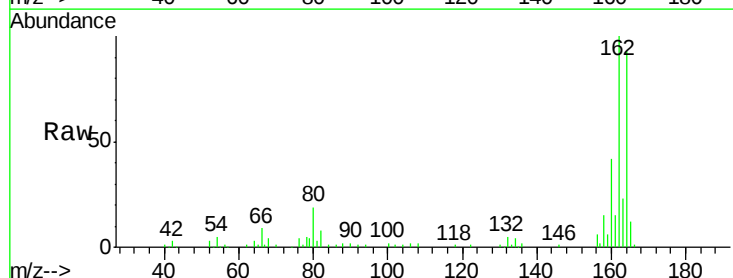
Instrument :
BNA_F
ClientSampled :

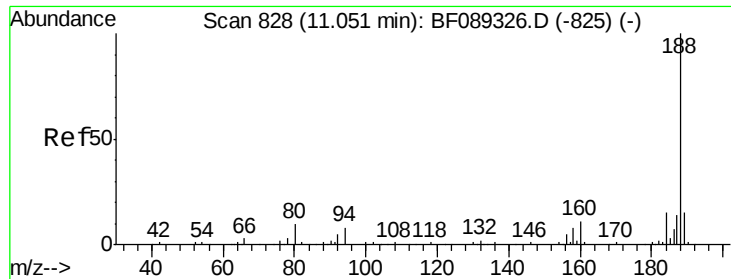
Tot Ion:163 Resp: 149722
Ion Ratio Lower Upper
163 100
194 3.0 2.8 4.2
164 10.2 7.8 11.8



#56
2,4-Dinitrotoluene
Concen: 5.87 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.24 min
Lab File: BF089440.D
Acq: 30 Jul 2016 6:40

Tgt Ion:165 Resp: 8897
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#

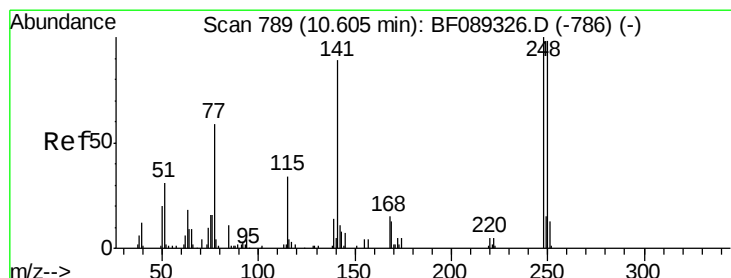
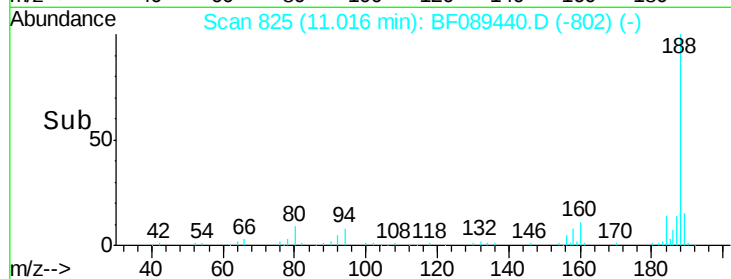
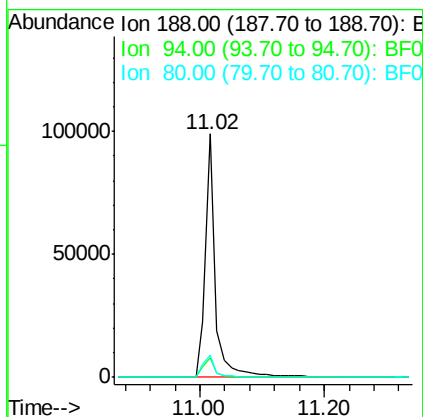
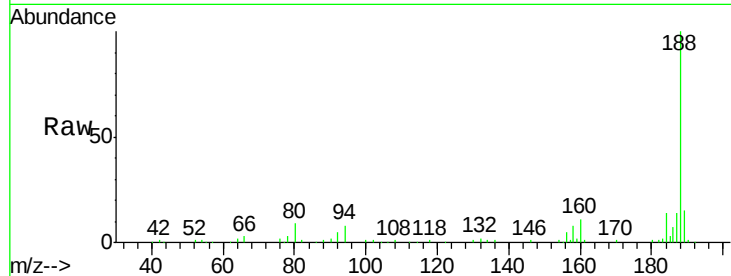




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.02 min Scan# 825
Delta R.T. -0.03 min
Lab File: BF089440.D
Acq: 30 Jul 2016 6:40

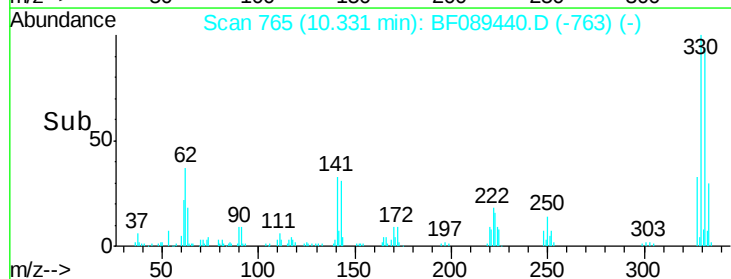
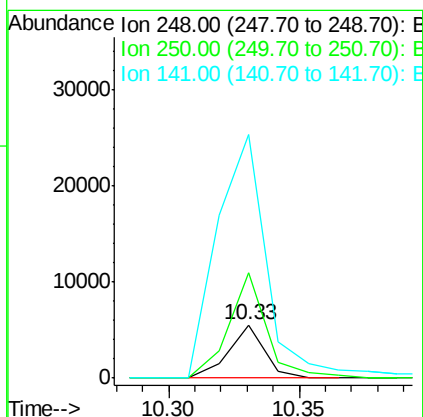
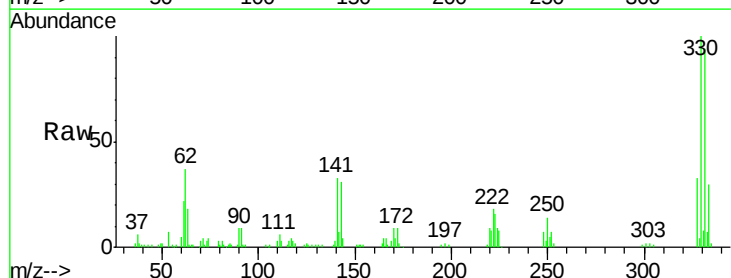
Instrument :
BNA_F
ClientSampleId :

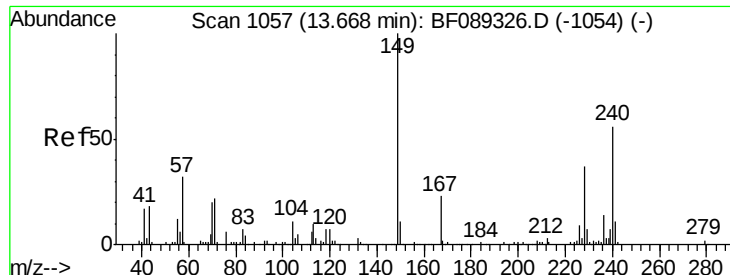
Tot Ion:188 Resp: 113007
Ion Ratio Lower Upper
188 100
94 8.0 6.5 9.7
80 8.9 7.2 10.8



#66
4-Bromophenyl-phenylether
Concen: 4.97 ng
RT: 10.33 min Scan# 765
Delta R.T. -0.27 min
Lab File: BF089440.D
Acq: 30 Jul 2016 6:40

Tgt Ion:248 Resp: 5361
Ion Ratio Lower Upper
248 100
250 196.6 78.2 117.2#
141 455.0 62.0 93.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.63 min Scan# 1054

Delta R.T. -0.03 min

Lab File: BF089440.D

Acq: 30 Jul 2016 6:40

Instrument :

BNA_F

ClientSampleId :

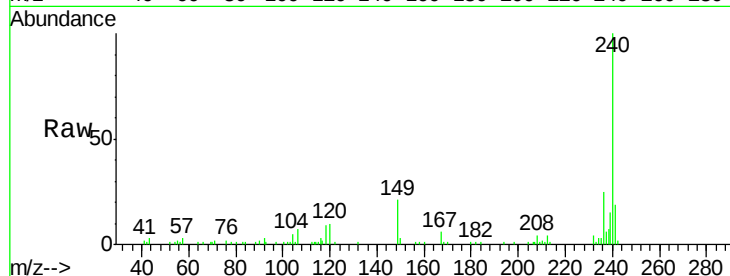
Tot Ion:240 Resp: 78770

Ion Ratio Lower Upper

240 100

120 10.3 9.1 13.7

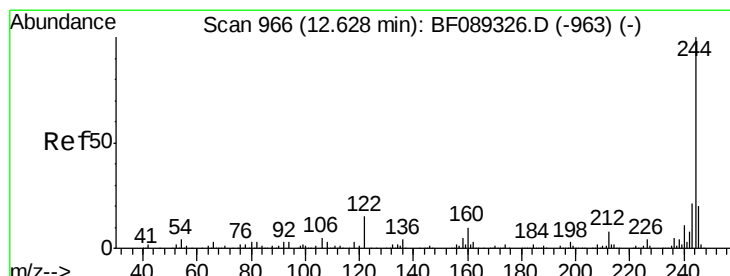
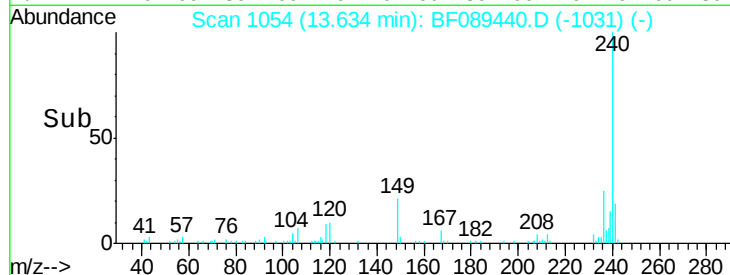
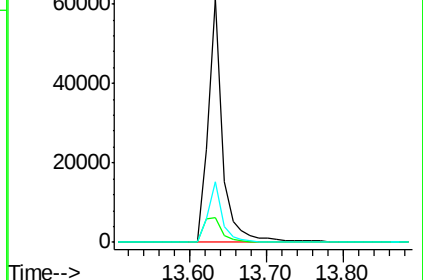
236 24.9 20.6 30.8



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: 88.37 ng

RT: 12.59 min Scan# 963

Delta R.T. -0.03 min

Lab File: BF089440.D

Acq: 30 Jul 2016 6:40

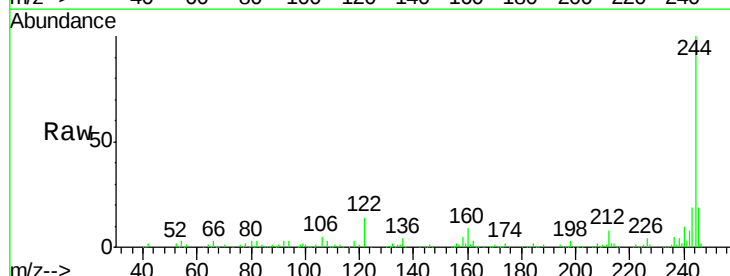
Tgt Ion:244 Resp: 297401

Ion Ratio Lower Upper

244 100

212 8.2 6.5 9.7

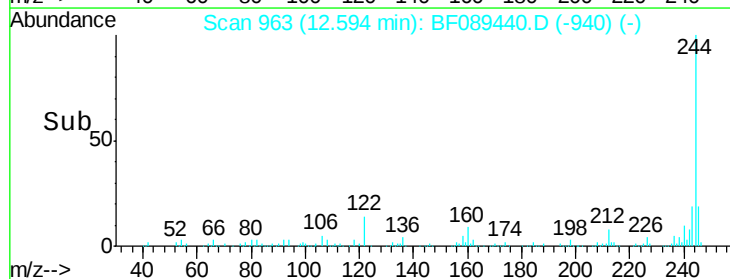
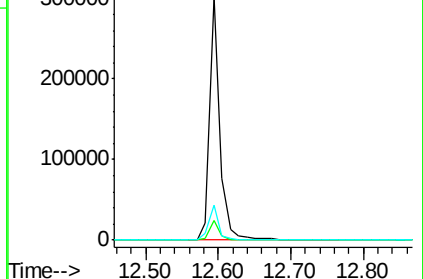
122 14.4 11.4 17.0

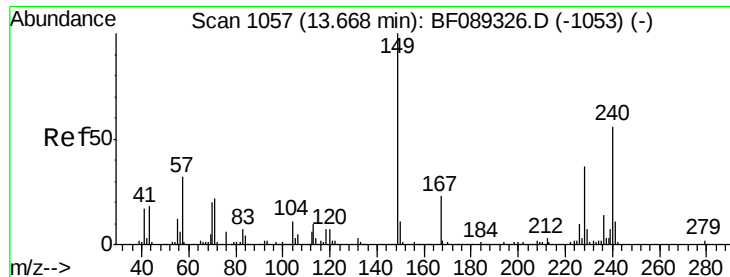


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 5.25 ng

RT: 13.63 min Scan# 1054

Delta R.T. -0.03 min

Lab File: BF089440.D

Acq: 30 Jul 2016 6:40

Instrument :

BNA_F

ClientSampleId :

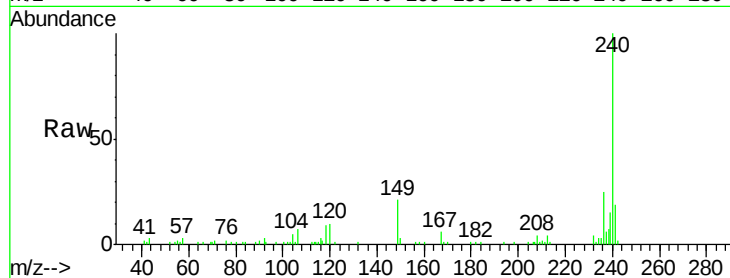
Tot Ion:149 Resp: 20583

Ion Ratio Lower Upper

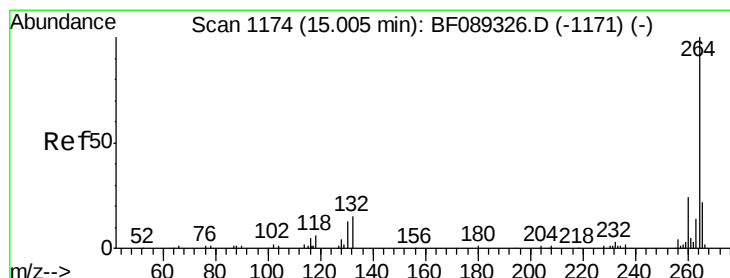
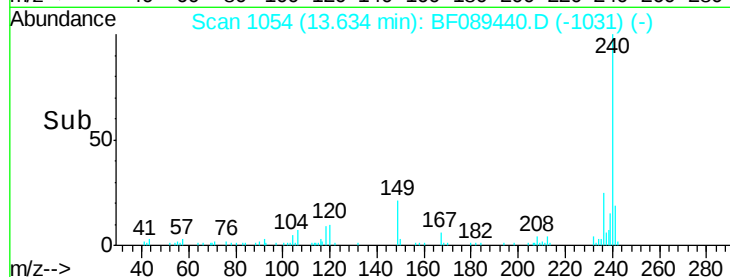
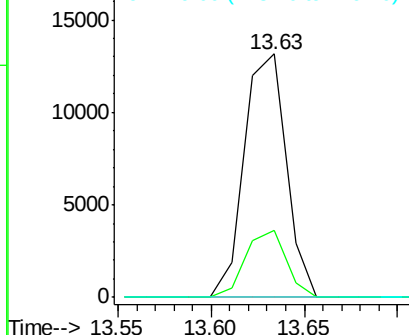
149 100

167 27.6 18.8 28.2

279 0.0 1.4 2.0#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 14.96 min Scan# 1170

Delta R.T. -0.05 min

Lab File: BF089440.D

Acq: 30 Jul 2016 6:40

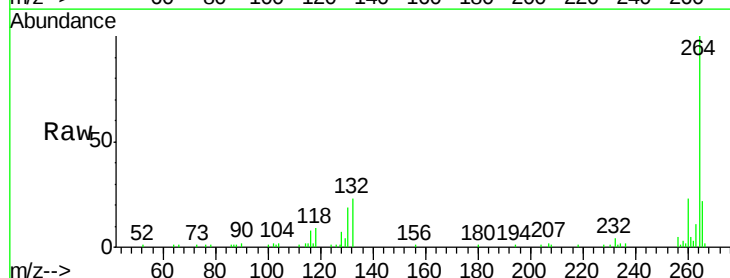
Tgt Ion:264 Resp: 83871

Ion Ratio Lower Upper

264 100

260 22.9 19.0 28.4

265 21.6 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

