

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072916\
 Data File : BF089393.D
 Acq On : 29 Jul 2016 5:58
 Operator : UM/SJ
 Sample : H4157-23RE
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 I-20RE

Quant Time: Jul 29 07:06:49 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

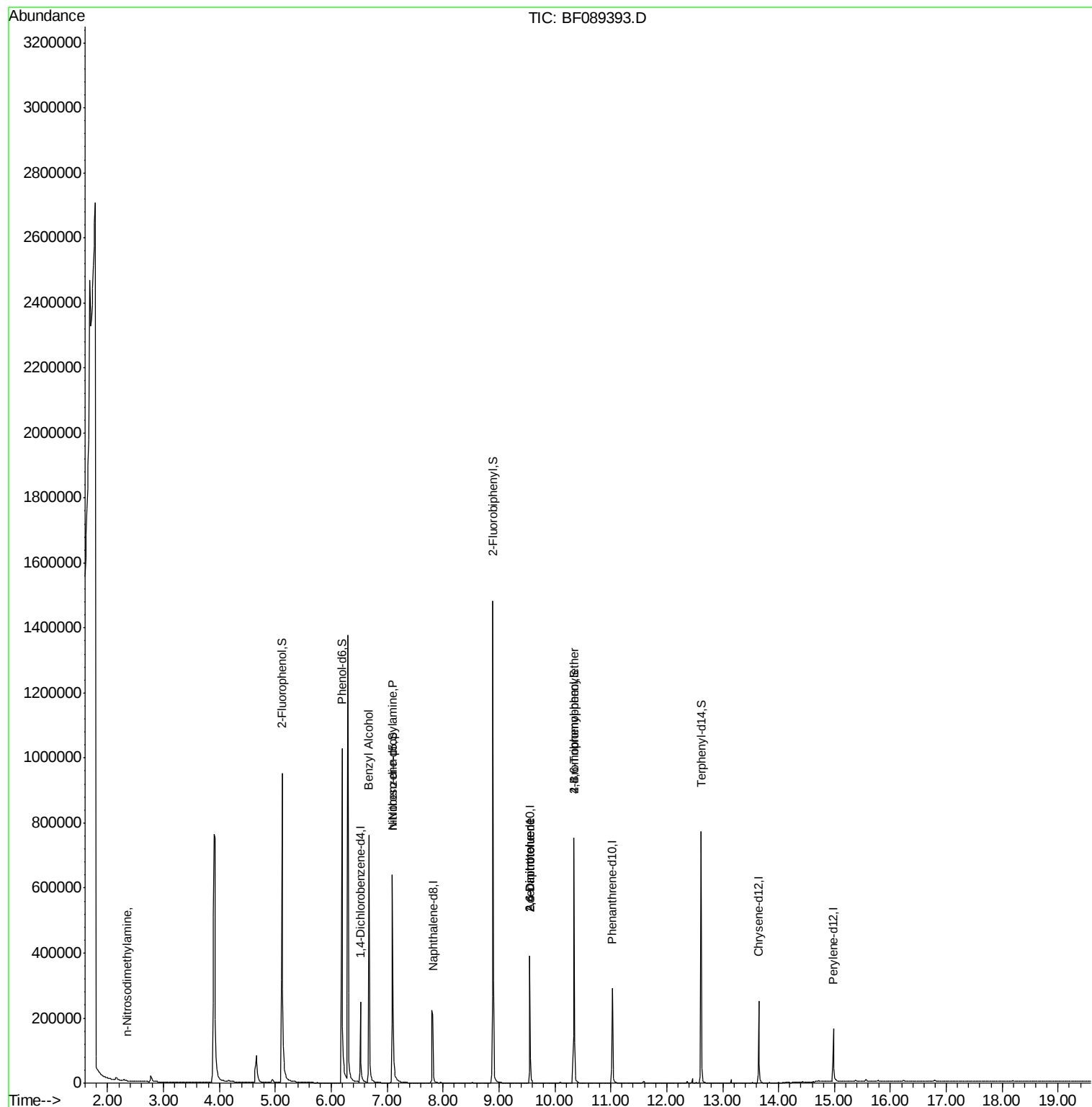
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	46501	20.00	ng	-0.02
21) Naphthalene-d8	7.82	136	178533	20.00	ng	-0.01
38) Acenaphthene-d10	9.55	164	76319	20.00	ng	-0.02
63) Phenanthrene-d10	11.03	188	120306	20.00	ng	-0.02
75) Chrysene-d12	13.65	240	93280	20.00	ng	-0.02
86) Perylene-d12	14.98	264	71377	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	378887	130.10	ng	0.01
7) Phenol-d6	6.19	99	479572	124.61	ng	-0.01
23) Nitrobenzene-d5	7.10	82	317257	104.89	ng	-0.02
41) 2,4,6-Tribromophenol	10.34	330	77708	122.94	ng	-0.02
44) 2-Fluorobiphenyl	8.89	172	511504	98.36	ng	-0.02
78) Terphenyl-d14	12.62	244	365699	91.76	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	1.94	88	683	Below Cal	#	26
4) n-Nitrosodimethylamine	2.34	42	215	7.89 ng	#	1
15) Benzyl Alcohol	6.67	79	4879	2.04 ng	#	49
19) n-Nitroso-di-n-propylamine	7.10	70	41703	17.97 ng	#	81
50) 2,6-Dinitrotoluene	9.55	165	9119	7.64 ng	#	24
56) 2,4-Dinitrotoluene	9.55	165	9119	5.80 ng	#	7
66) 4-Bromophenyl-phenylether	10.34	248	6098	5.31 ng	#	1

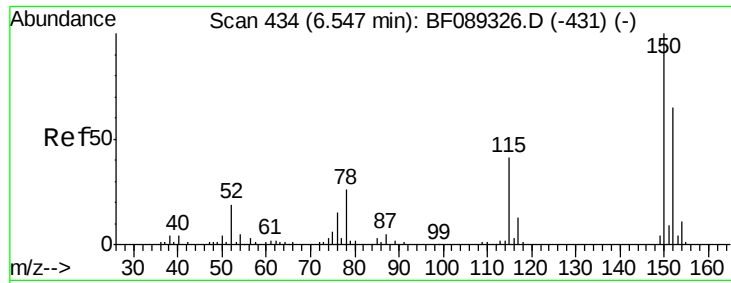
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 28 16:02:32 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.52 min Scan# 432

Delta R.T. -0.02 min

Lab File: BF089393.D

Acq: 29 Jul 2016 5:58

Instrument :

BNA_F

ClientSampleId :

I-20RE

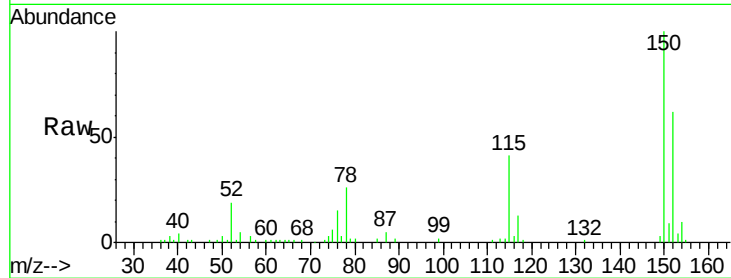
Tgt Ion:152 Resp: 46501

Ion Ratio Lower Upper

152 100

150 161.5 129.5 194.3

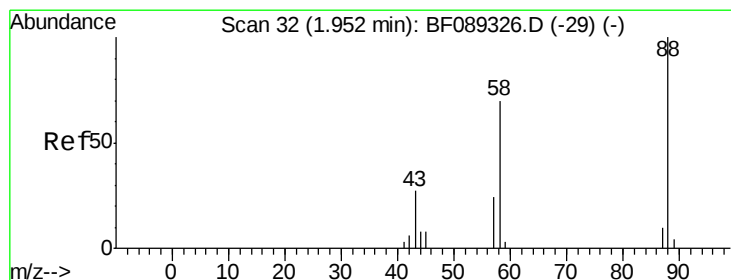
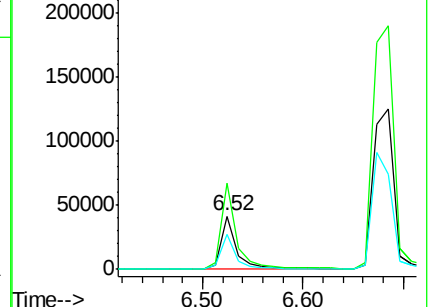
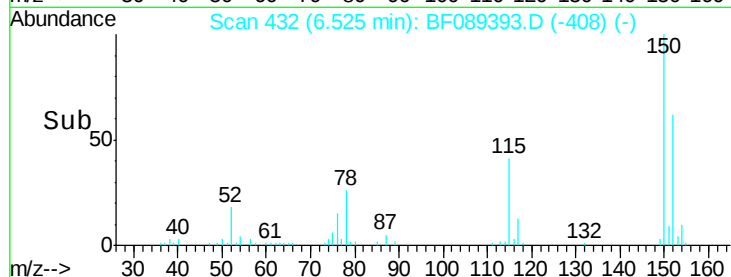
115 65.7 51.4 77.2



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: Below Cal

RT: 1.94 min Scan# 31

Delta R.T. -0.01 min

Lab File: BF089393.D

Acq: 29 Jul 2016 5:58

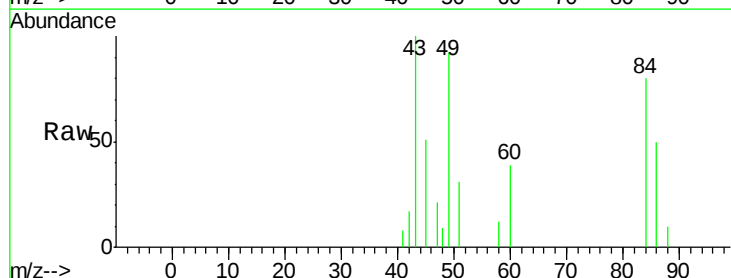
Tgt Ion: 88 Resp: 683

Ion Ratio Lower Upper

88 100

58 0.0 53.2 79.8#

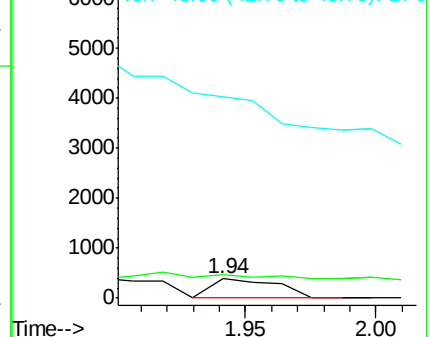
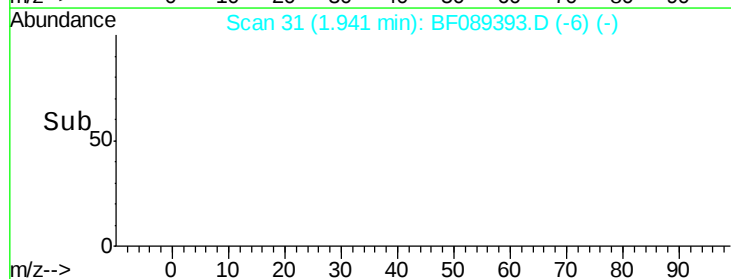
43 0.0 20.6 31.0#

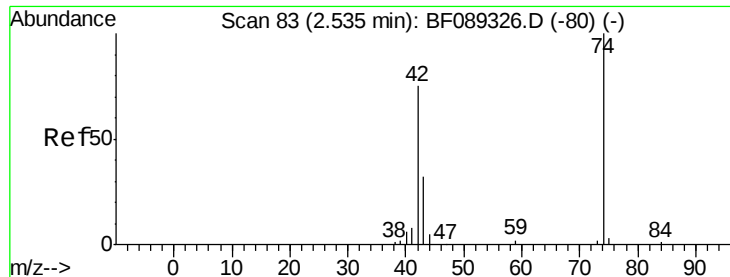


Abundance Ion 88.00 (87.70 to 88.70): BF0

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: 2.34 min Scan# 66

Delta R.T. -0.19 min

Lab File: BF089393.D

Acq: 29 Jul 2016 5:58

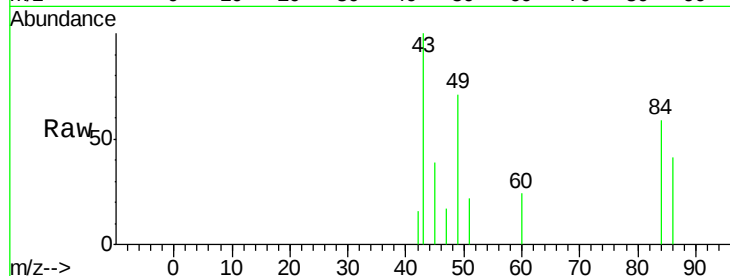
Instrument :

BNA_F

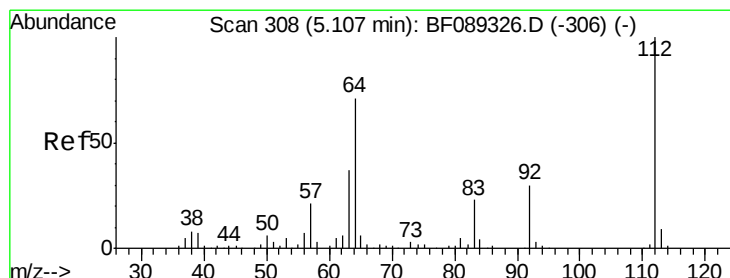
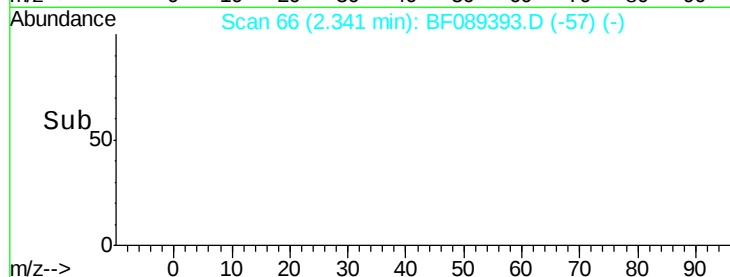
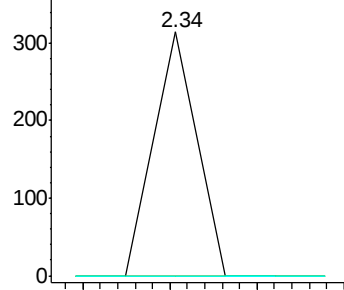
ClientSampleId :

I-20RE

Tgt Ion:	42	Resp:	215
Ion	Ratio	Lower	Upper
42	100		
74	0.0	110.8	166.2#
44	0.0	5.2	7.8#



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: 130.10 ng

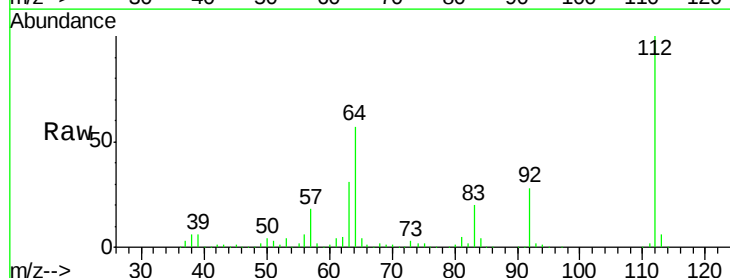
RT: 5.12 min Scan# 309

Delta R.T. 0.01 min

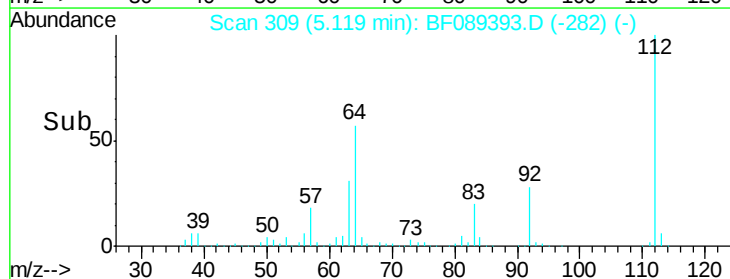
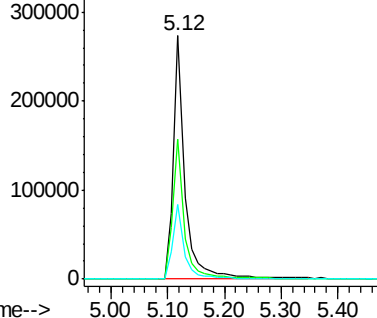
Lab File: BF089393.D

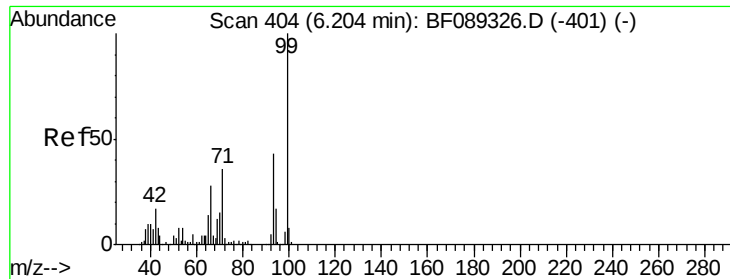
Acq: 29 Jul 2016 5:58

Tgt Ion:	112	Resp:	378887
Ion	Ratio	Lower	Upper
112	100		
64	57.4	55.0	82.6
63	30.8	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: 124.61 ng

RT: 6.19 min Scan# 403

Delta R.T. -0.01 min

Lab File: BF089393.D

Acq: 29 Jul 2016 5:58

Instrument :

BNA_F

ClientSampleId :

I-20RE

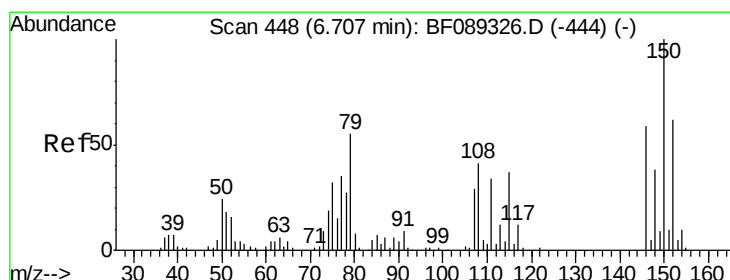
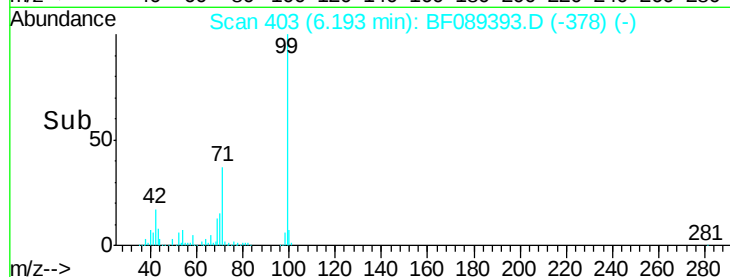
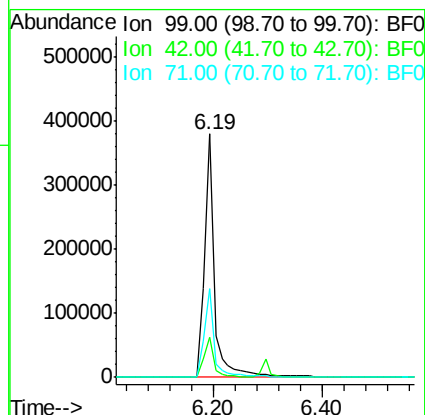
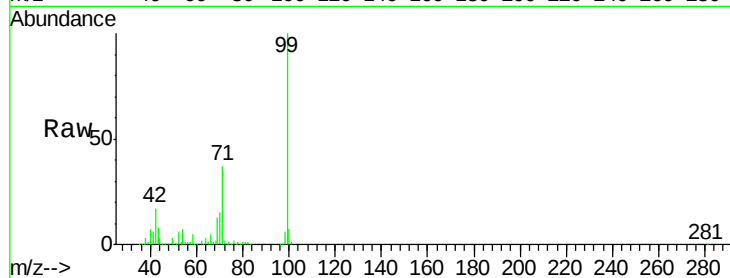
Tgt Ion: 99 Resp: 479572

Ion Ratio Lower Upper

99 100

42 16.7 13.6 20.4

71 36.6 29.4 44.2



#15

Benzyl Alcohol

Concen: 2.04 ng

RT: 6.67 min Scan# 445

Delta R.T. -0.03 min

Lab File: BF089393.D

Acq: 29 Jul 2016 5:58

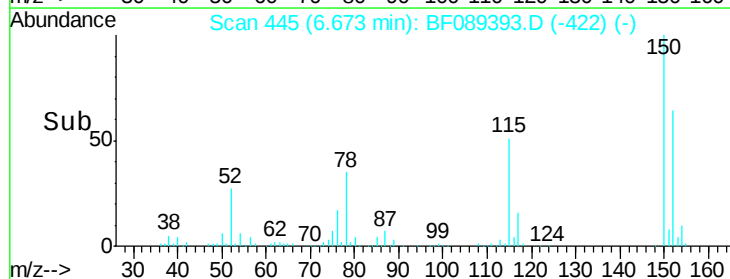
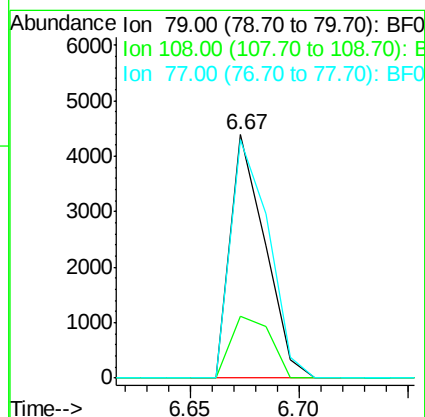
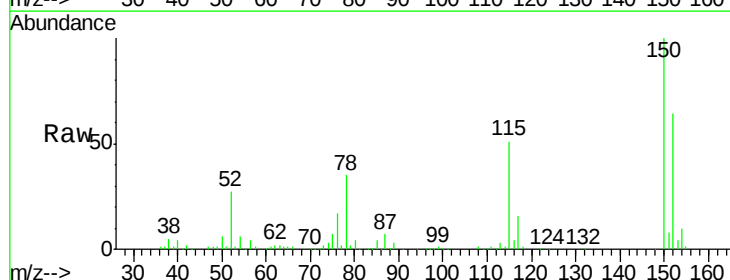
Tgt Ion: 79 Resp: 4879

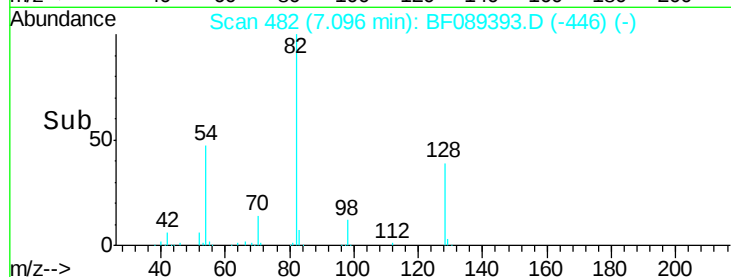
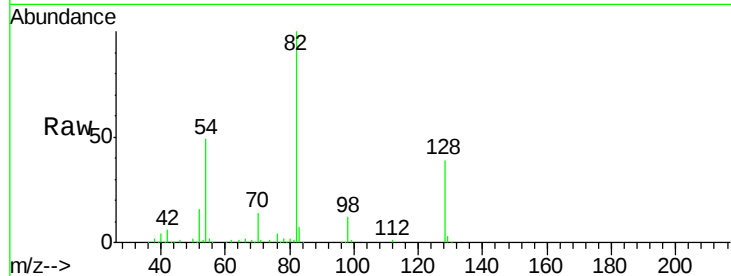
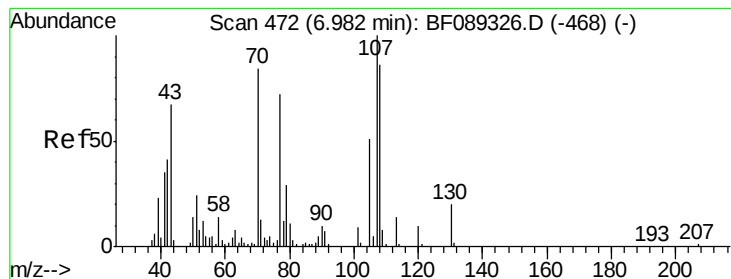
Ion Ratio Lower Upper

79 100

108 25.3 59.8 89.6#

77 98.0 51.7 77.5#





#19

n-Nitroso-di-n-propylamine

Concen: 17.97 ng

RT: 7.10 min Scan# 482

Delta R.T. 0.11 min

Lab File: BF089393.D

Acq: 29 Jul 2016 5:58

Instrument :

BNA_F

ClientSampleId :

I-20RE

Tgt Ion: 70 Resp: 41703

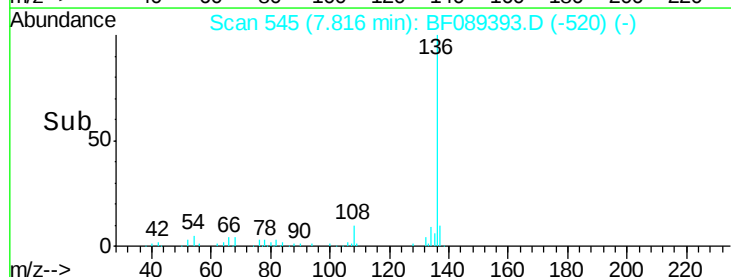
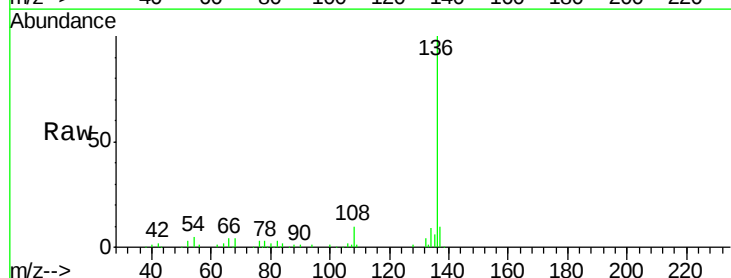
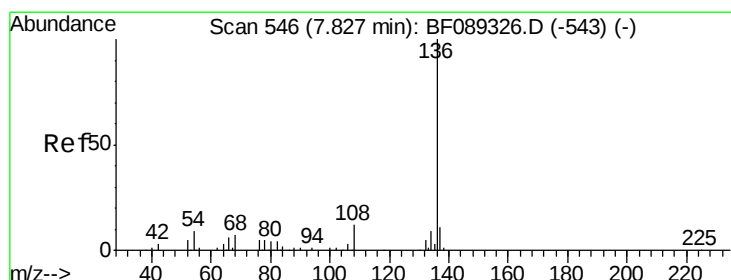
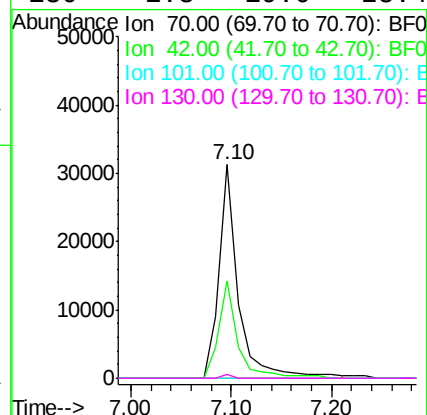
Ion Ratio Lower Upper

70 100

42 45.5 38.6 57.8

101 0.0 8.3 12.5#

130 1.8 19.0 28.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.82 min Scan# 545

Delta R.T. -0.01 min

Lab File: BF089393.D

Acq: 29 Jul 2016 5:58

Tgt Ion: 136 Resp: 178533

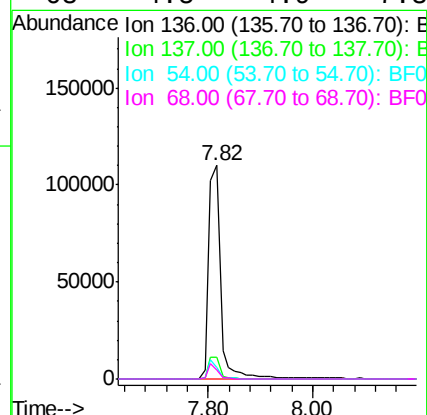
Ion Ratio Lower Upper

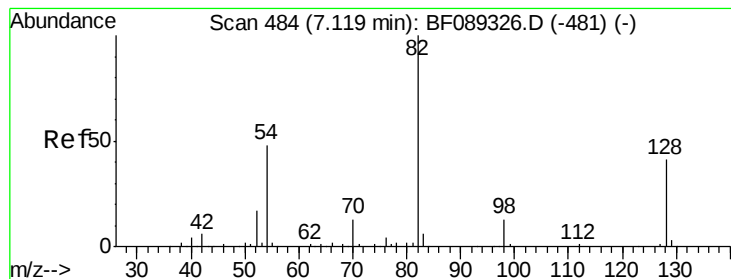
136 100

137 10.4 8.6 13.0

54 5.4 7.0 10.4#

68 4.5 4.9 7.3#





#23

Nitrobenzene-d5

Concen: 104.89 ng

RT: 7.10 min Scan# 482

Delta R.T. -0.02 min

Lab File: BF089393.D

Acq: 29 Jul 2016 5:58

Instrument :

BNA_F

ClientSampled :

I-20RE

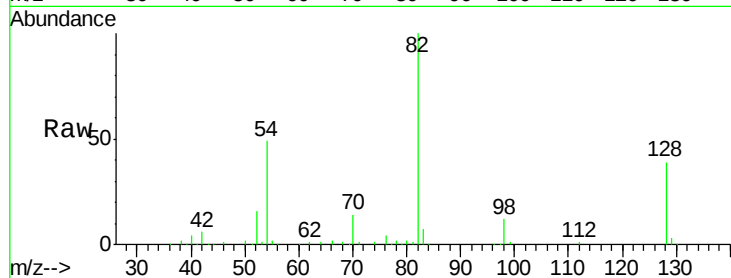
Tgt Ion: 82 Resp: 317257

Ion Ratio Lower Upper

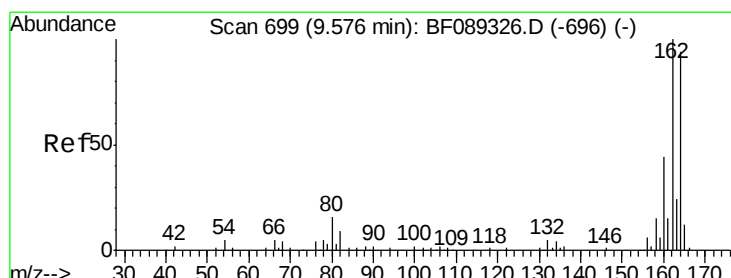
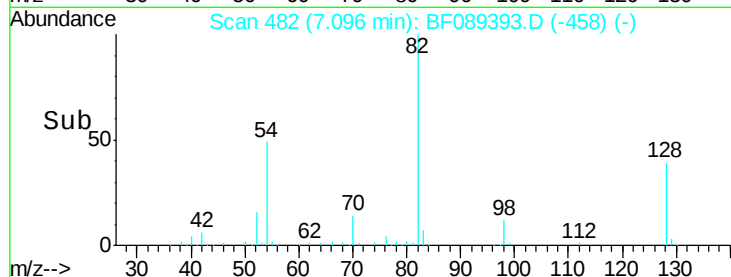
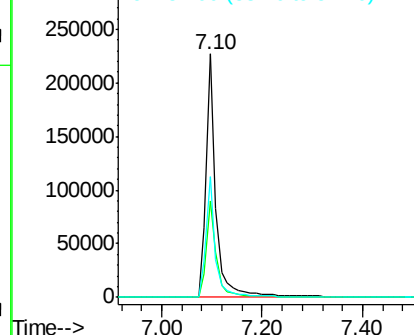
82 100

128 39.4 32.5 48.7

54 49.4 38.8 58.2



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.55 min Scan# 697

Delta R.T. -0.02 min

Lab File: BF089393.D

Acq: 29 Jul 2016 5:58

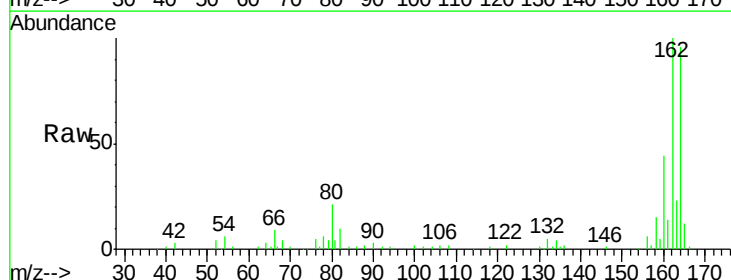
Tgt Ion: 164 Resp: 76319

Ion Ratio Lower Upper

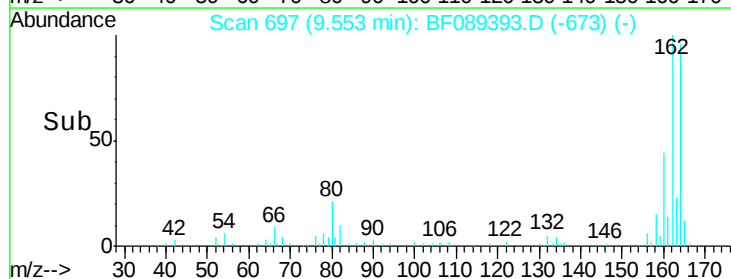
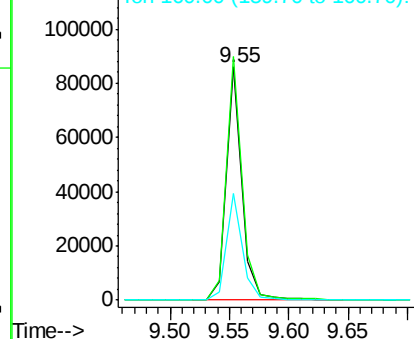
164 100

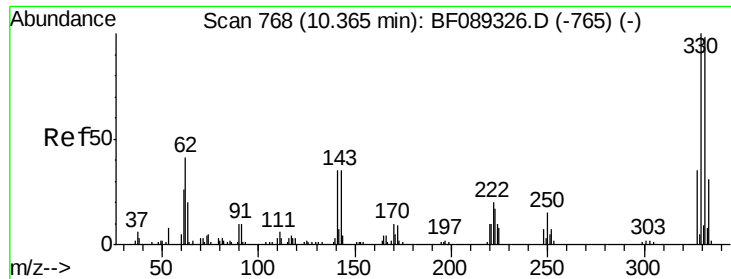
162 104.6 83.7 125.5

160 45.7 37.8 56.6



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

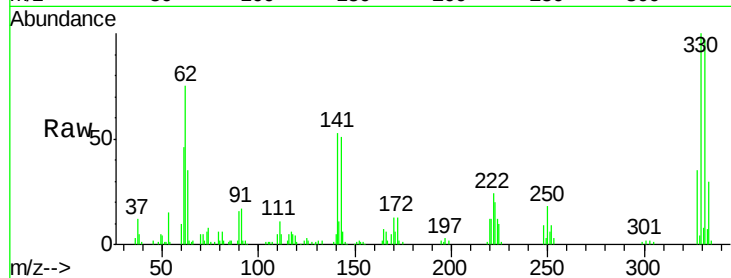




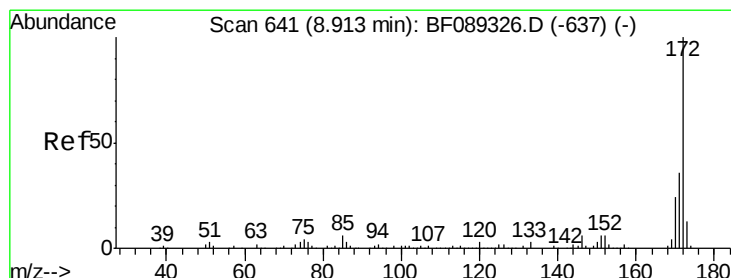
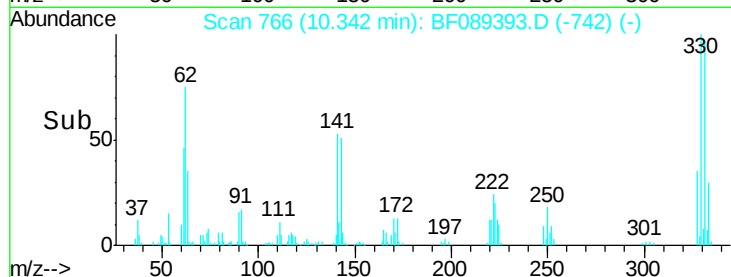
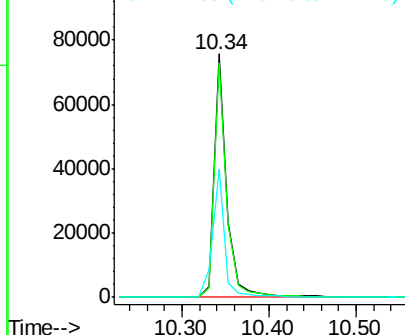
#41
 2,4,6-Tribromophenol
 Concen: 122.94 ng
 RT: 10.34 min Scan# 766
 Delta R.T. -0.02 min
 Lab File: BF089393.D
 Acq: 29 Jul 2016 5:58

Instrument :
 BNA_F
 ClientSampleId :
 I-20RE

Tgt Ion:330 Resp: 77708
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.8 115.2
 141 50.1 37.3 55.9

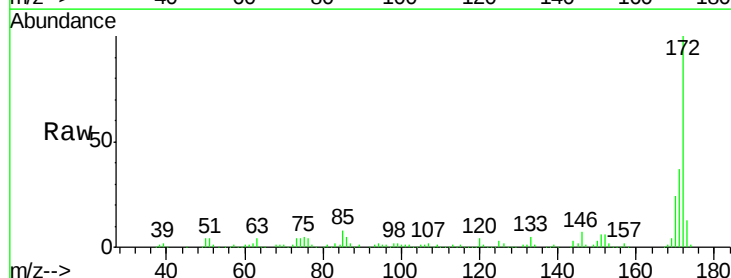


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

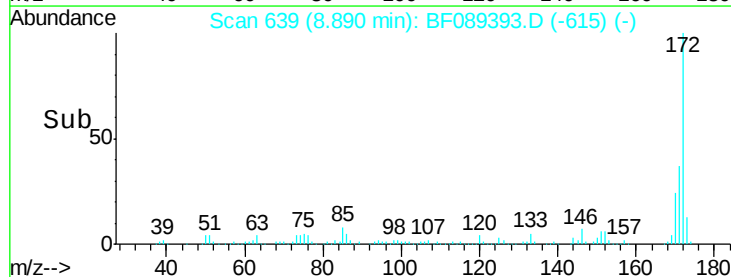
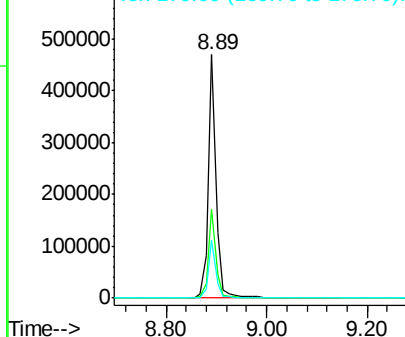


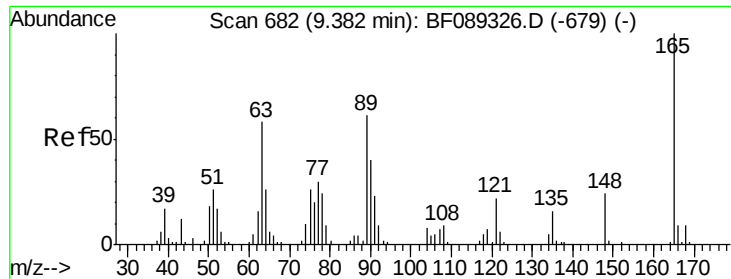
#44
 2-Fluorobiphenyl
 Concen: 98.36 ng
 RT: 8.89 min Scan# 639
 Delta R.T. -0.02 min
 Lab File: BF089393.D
 Acq: 29 Jul 2016 5:58

Tgt Ion:172 Resp: 511504
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.2 43.8
 170 24.0 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

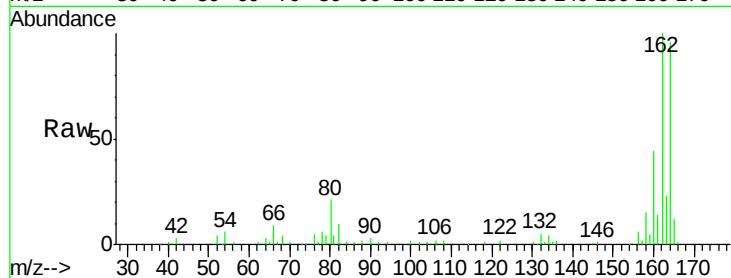




#50
 2,6-Dinitrotoluene
 Concen: 7.64 ng
 RT: 9.55 min Scan# 697
 Delta R.T. 0.17 min
 Lab File: BF089393.D
 Acq: 29 Jul 2016 5:58

Instrument :
 BNA_F
 ClientSampled :
 I-20RE

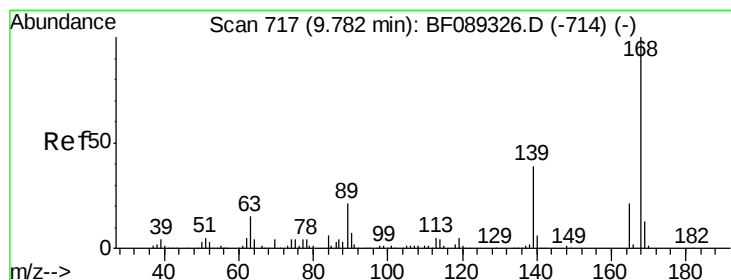
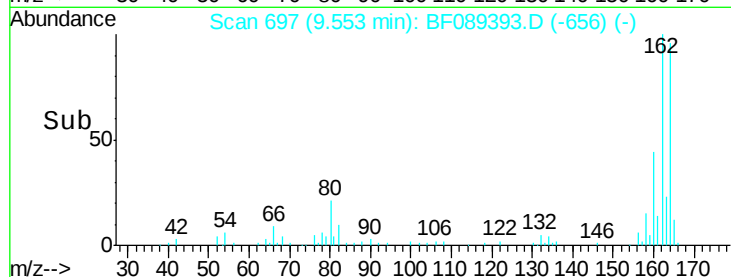
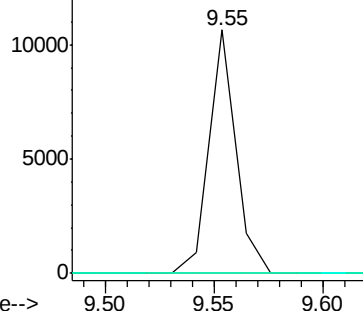
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.5	65.3#
89	0.0	45.0	67.4#



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



#56
 2,4-Dinitrotoluene
 Concen: 5.80 ng
 RT: 9.55 min Scan# 697
 Delta R.T. -0.23 min
 Lab File: BF089393.D
 Acq: 29 Jul 2016 5:58

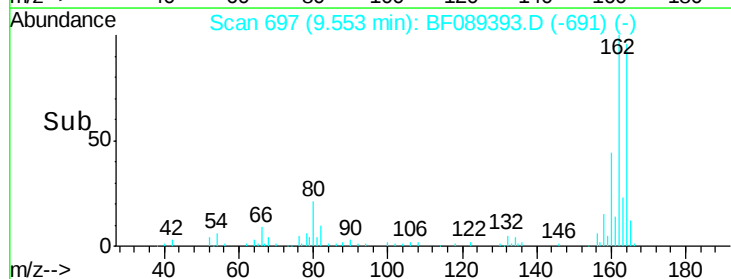
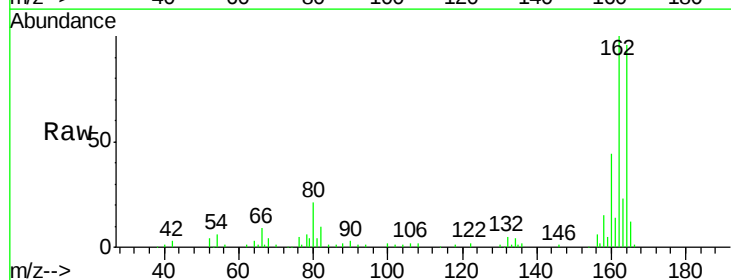
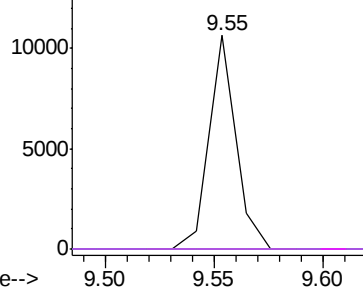
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	58.2	87.2#
89	0.0	79.1	118.7#
182	0.0	1.8	2.8#

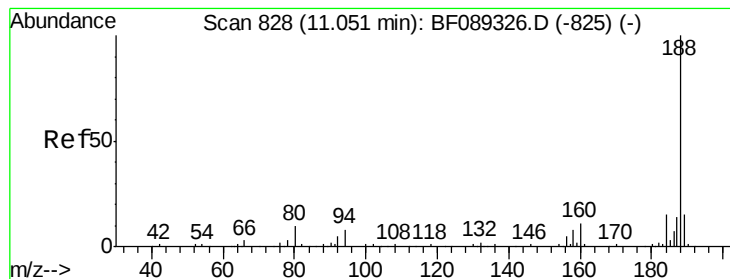
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF089393.D

Acq: 29 Jul 2016 5:58

Instrument :

BNA_F

ClientSampleId :

I-20RE

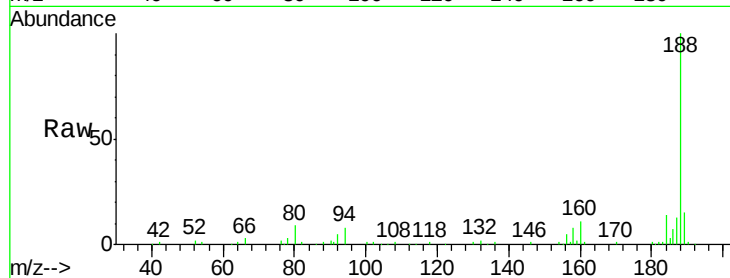
Tgt Ion:188 Resp: 120306

Ion Ratio Lower Upper

188 100

94 8.3 6.5 9.7

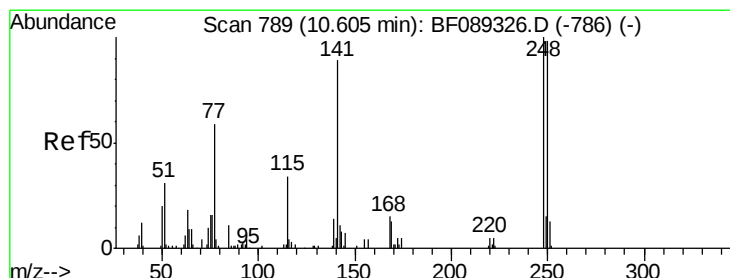
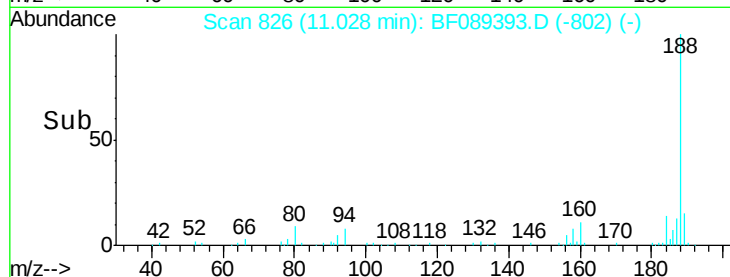
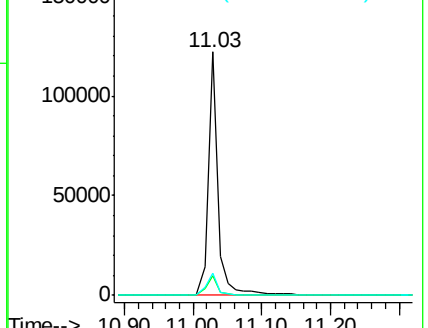
80 9.4 7.2 10.8



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: 5.31 ng

RT: 10.34 min Scan# 766

Delta R.T. -0.26 min

Lab File: BF089393.D

Acq: 29 Jul 2016 5:58

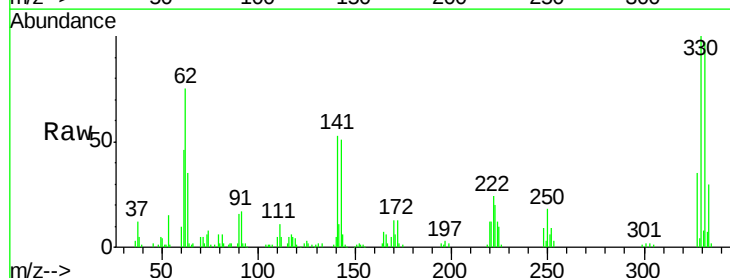
Tgt Ion:248 Resp: 6098

Ion Ratio Lower Upper

248 100

250 191.1 78.2 117.2#

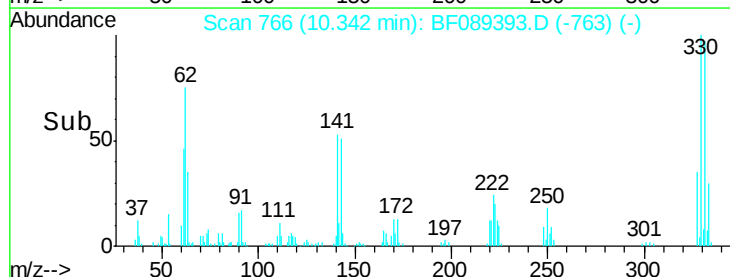
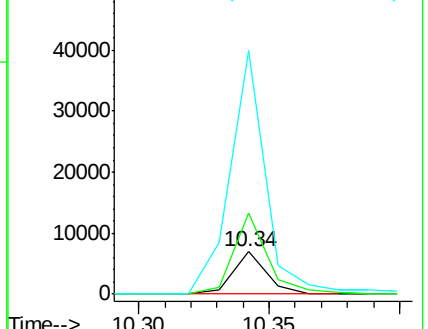
141 571.3 62.0 93.0#

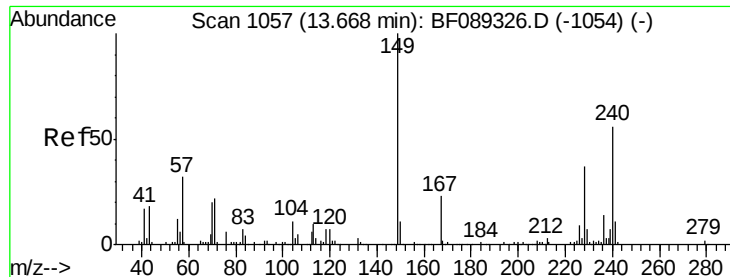


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF089393.D

Acq: 29 Jul 2016 5:58

Instrument :

BNA_F

ClientSampleId :

I-20RE

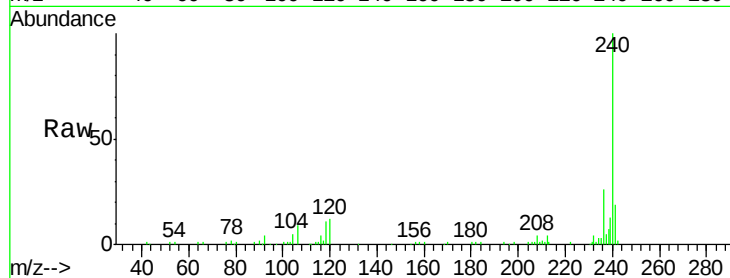
Tgt Ion:240 Resp: 93280

Ion Ratio Lower Upper

240 100

120 12.4 9.1 13.7

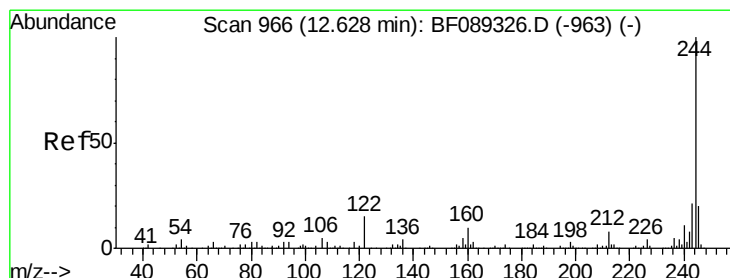
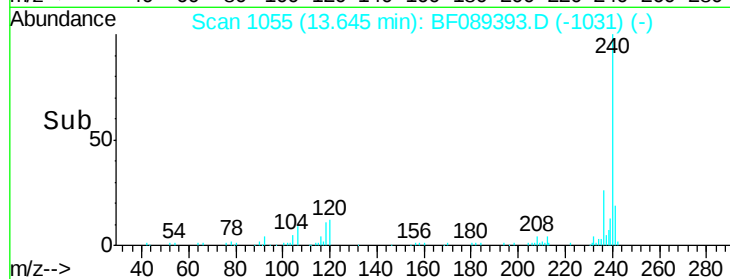
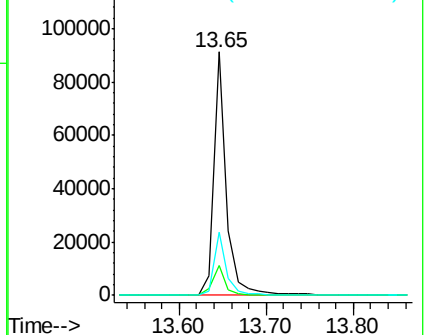
236 26.2 20.6 30.8



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: 91.76 ng

RT: 12.62 min Scan# 965

Delta R.T. -0.01 min

Lab File: BF089393.D

Acq: 29 Jul 2016 5:58

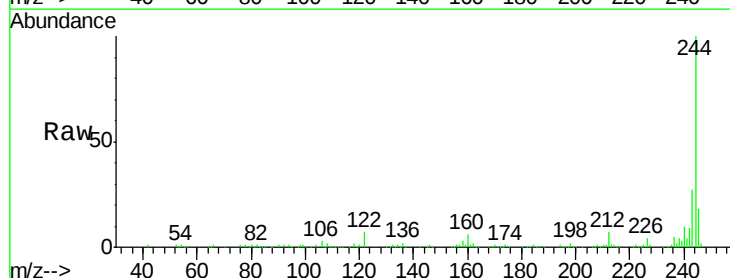
Tgt Ion:244 Resp: 365699

Ion Ratio Lower Upper

244 100

212 7.0 6.5 9.7

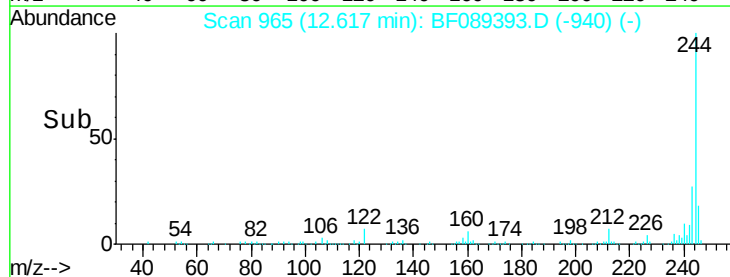
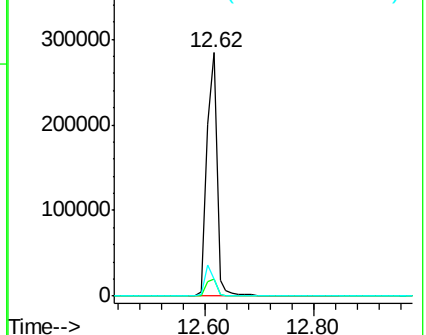
122 7.3 11.4 17.0#

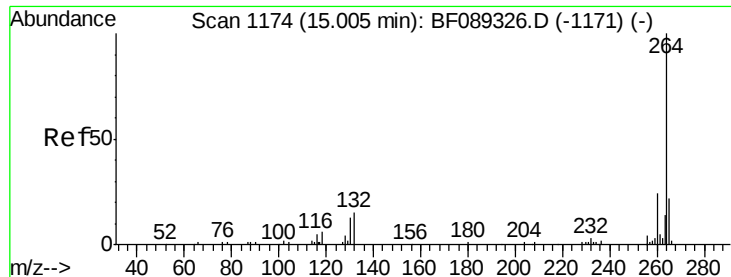


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

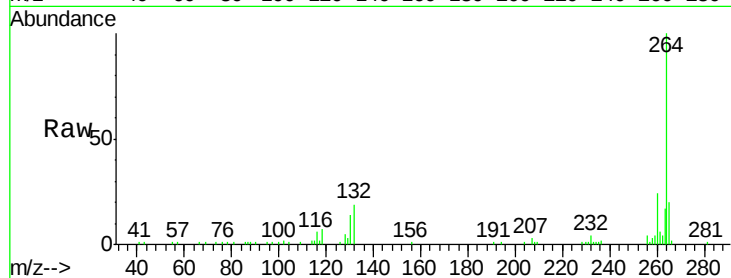




#86
Perylene-d12
Concen: 20.00 ng
RT: 14.98 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF089393.D
Acq: 29 Jul 2016 5:58

Instrument :
BNA_F
ClientSampleId :
I-20RE

Tgt Ion: 264 Resp: 71377
Ion Ratio Lower Upper
264 100
260 24.2 19.0 28.4
265 20.3 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

