

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072916\
 Data File : BF089389.D
 Acq On : 29 Jul 2016 4:02
 Operator : UM/SJ
 Sample : H4221-13
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-46-8.5-9.5

Quant Time: Jul 29 07:05:15 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

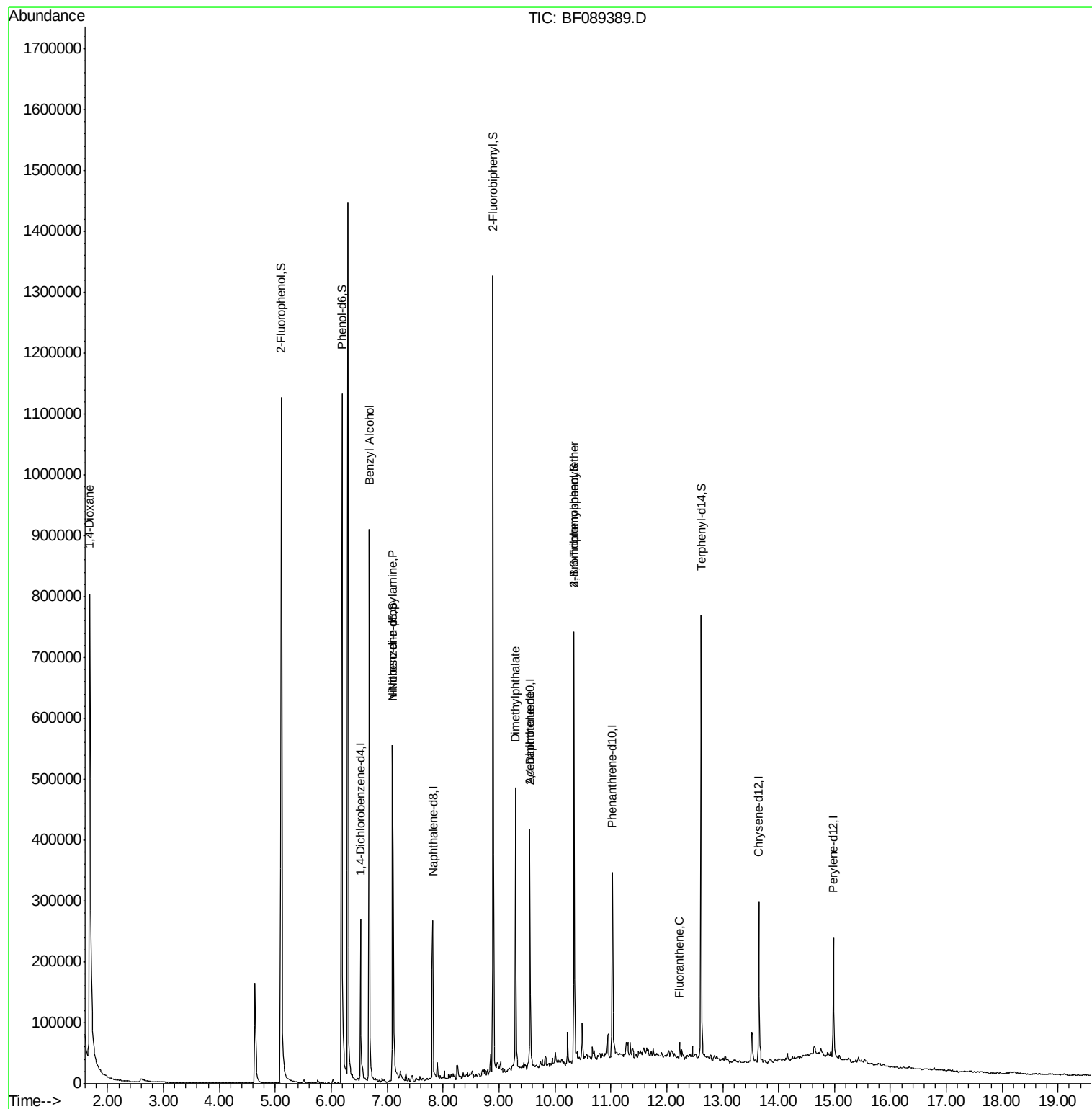
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	48098	20.00	ng	-0.02
21) Naphthalene-d8	7.82	136	174786	20.00	ng	-0.01
38) Acenaphthene-d10	9.55	164	74952	20.00	ng	-0.02
63) Phenanthrene-d10	11.03	188	120388	20.00	ng	-0.02
75) Chrysene-d12	13.65	240	97418	20.00	ng	-0.02
86) Perylene-d12	14.98	264	80949	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.11	112	392046	130.15	ng	0.00
7) Phenol-d6	6.19	99	544730	136.84	ng	-0.01
23) Nitrobenzene-d5	7.10	82	298320	100.74	ng	-0.02
41) 2,4,6-Tribromophenol	10.34	330	70957	114.31	ng	-0.02
44) 2-Fluorobiphenyl	8.89	172	453024	88.70	ng	-0.02
78) Terphenyl-d14	12.62	244	301866	72.52	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	1.68	88	37437	26.22	ng	# 26
15) Benzyl Alcohol	6.68	79	5258	2.13	ng	# 46
19) n-Nitroso-di-n-propylamine	7.10	70	40527	16.88	ng	# 83
49) Dimethylphthalate	9.29	163	205029	35.94	ng	98
56) 2,4-Dinitrotoluene	9.55	165	10011	6.49	ng	# 7
66) 4-Bromophenyl-phenylether	10.34	248	5673	4.94	ng	# 1
74) Fluoranthene	12.23	202	13297	2.04	ng	93

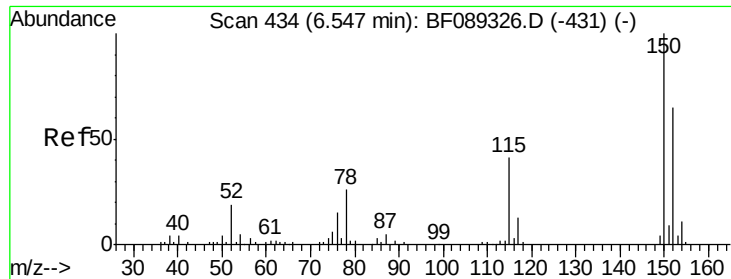
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.52 min Scan# 432

Delta R.T. -0.02 min

Lab File: BF089389.D

Acq: 29 Jul 2016 4:02

Instrument :

BNA_F

ClientSampleId :

SB-46-8.5-9.5

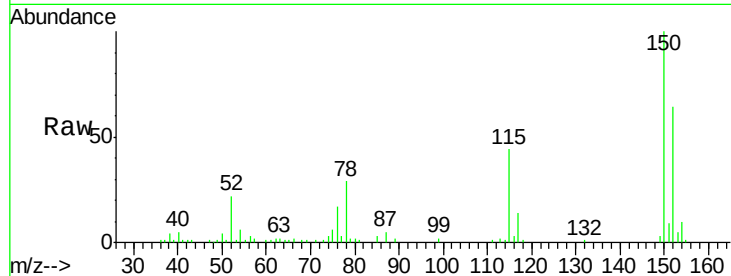
Tgt Ion:152 Resp: 48098

Ion Ratio Lower Upper

152 100

150 156.4 129.5 194.3

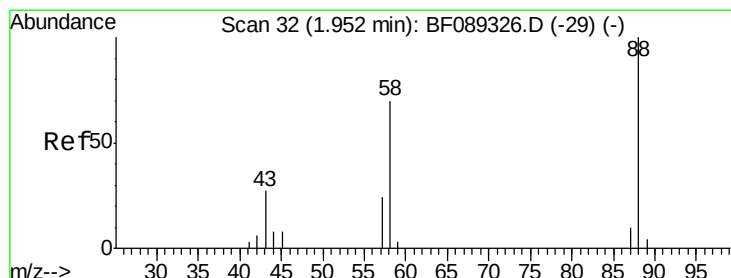
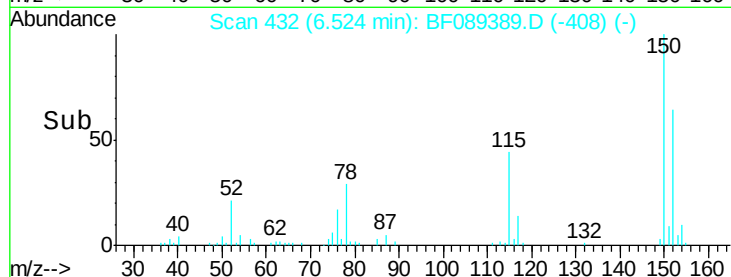
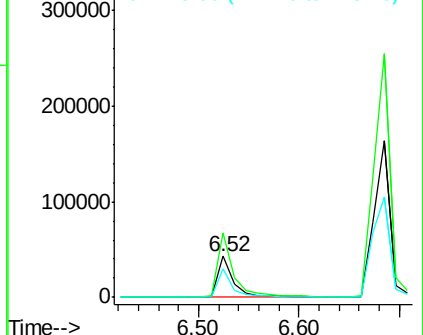
115 69.4 51.4 77.2



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: 26.22 ng

RT: 1.68 min Scan# 8

Delta R.T. -0.27 min

Lab File: BF089389.D

Acq: 29 Jul 2016 4:02

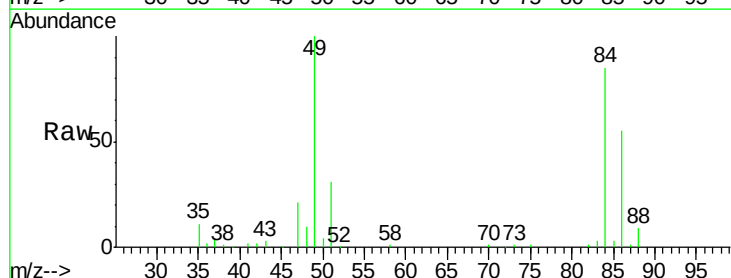
Tgt Ion: 88 Resp: 37437

Ion Ratio Lower Upper

88 100

58 0.0 53.2 79.8#

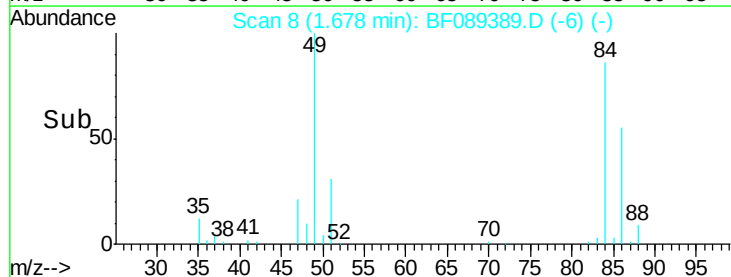
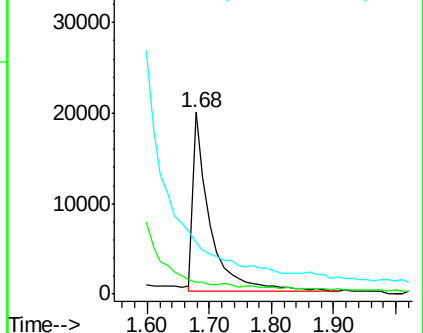
43 0.0 20.6 31.0#

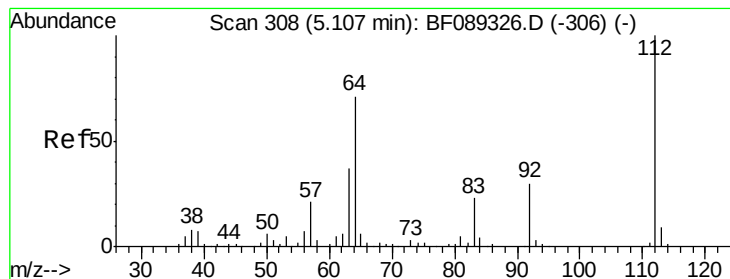


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 130.15 ng

RT: 5.11 min Scan# 308

Delta R.T. 0.00 min

Lab File: BF089389.D

Acq: 29 Jul 2016 4:02

Instrument :

BNA_F

ClientSampleId :

SB-46-8.5-9.5

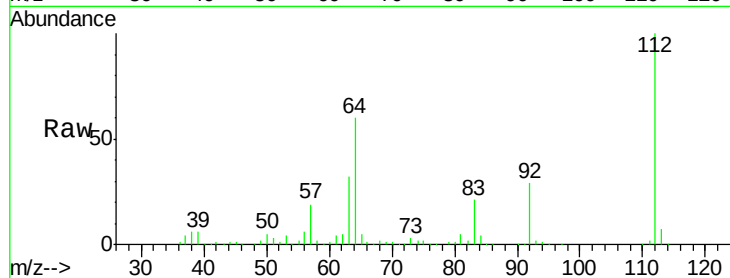
Tgt Ion: 112 Resp: 392046

Ion Ratio Lower Upper

112 100

64 60.2 55.0 82.6

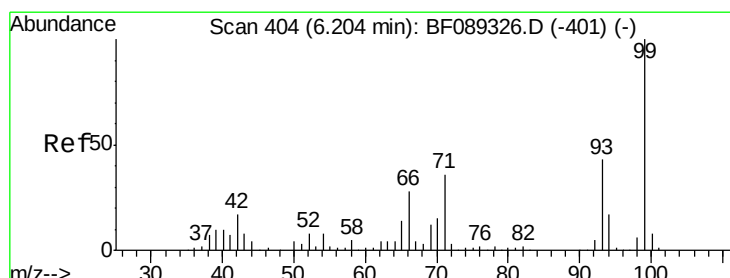
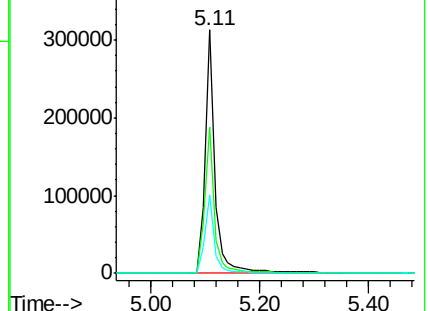
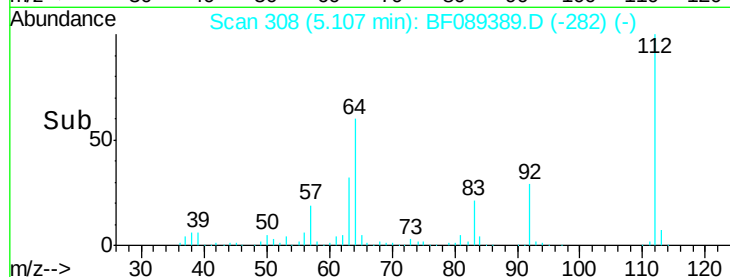
63 32.4 29.4 44.2



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: 136.84 ng

RT: 6.19 min Scan# 403

Delta R.T. -0.01 min

Lab File: BF089389.D

Acq: 29 Jul 2016 4:02

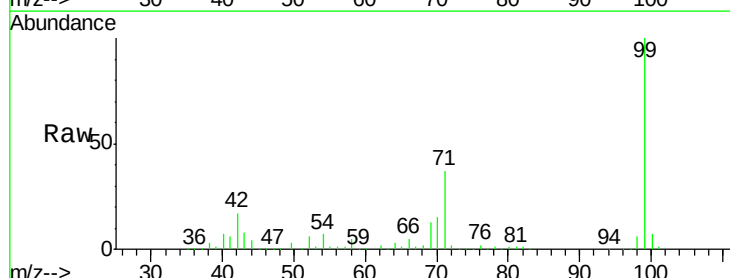
Tgt Ion: 99 Resp: 544730

Ion Ratio Lower Upper

99 100

42 17.1 13.6 20.4

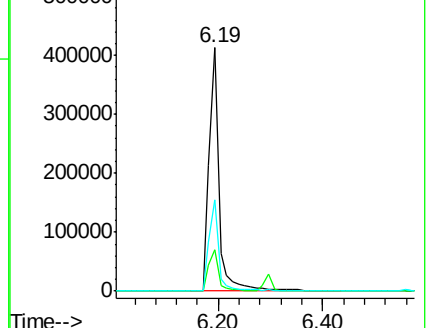
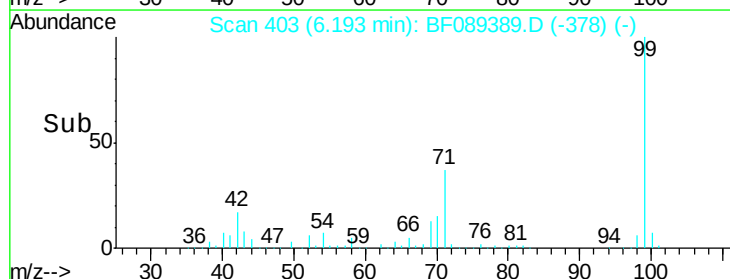
71 37.3 29.4 44.2

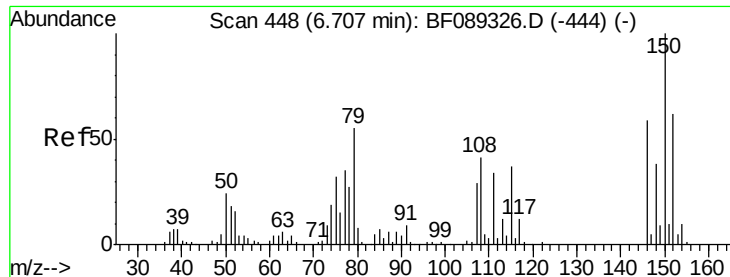


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

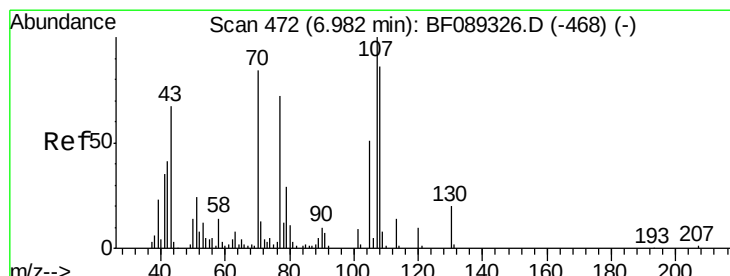
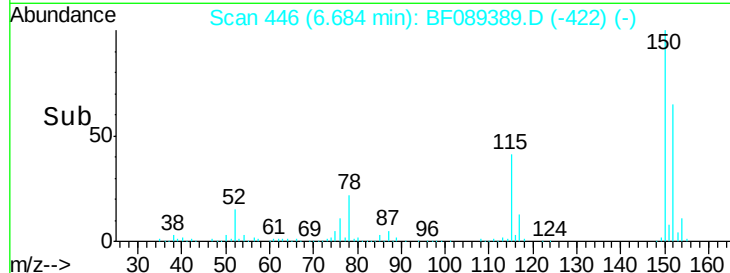
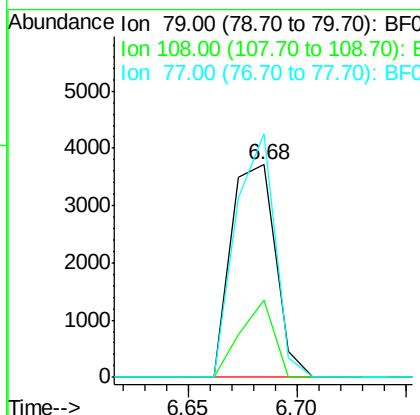
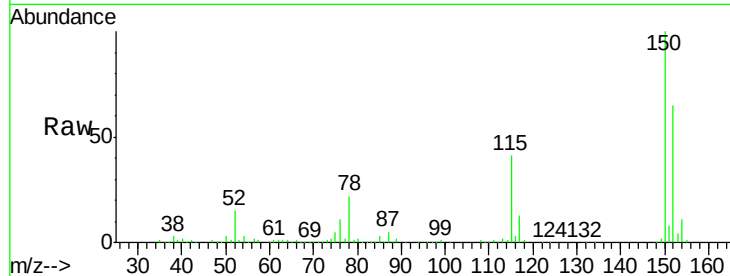




#15
Benzyl Alcohol
Concen: 2.13 ng
RT: 6.68 min Scan# 446
Delta R.T. -0.02 min
Lab File: BF089389.D
Acq: 29 Jul 2016 4:02

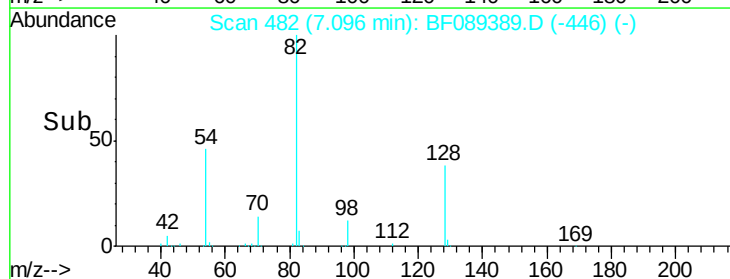
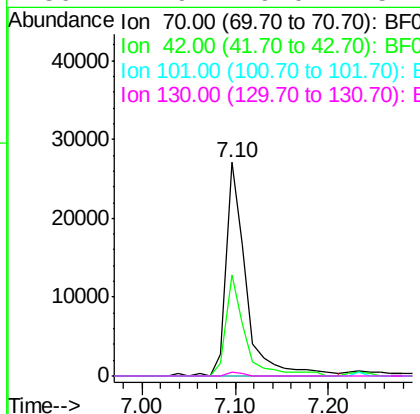
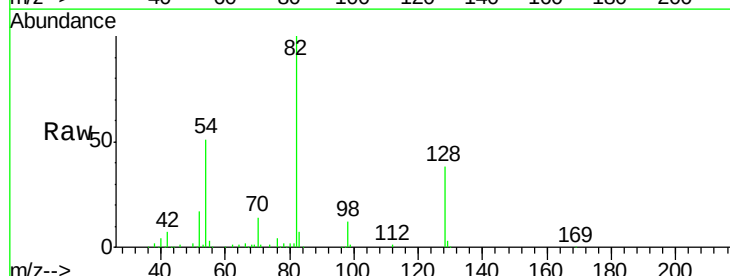
Instrument :
BNA_F
ClientSampled :
SB-46-8.5-9.5

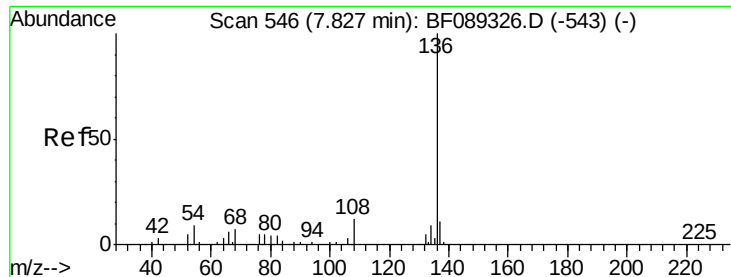
Tgt Ion: 79 Resp: 5258
Ion Ratio Lower Upper
79 100
108 36.1 59.8 89.6#
77 114.5 51.7 77.5#



#19
n-Nitroso-di-n-propylamine
Concen: 16.88 ng
RT: 7.10 min Scan# 482
Delta R.T. 0.11 min
Lab File: BF089389.D
Acq: 29 Jul 2016 4:02

Tgt Ion: 70 Resp: 40527
Ion Ratio Lower Upper
70 100
42 47.1 38.6 57.8
101 0.0 8.3 12.5#
130 1.9 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: BF089389.D

Acq: 29 Jul 2016 4:02

Instrument :

BNA_F

ClientSampleId :

SB-46-8.5-9.5

Tgt Ion:136 Resp: 174786

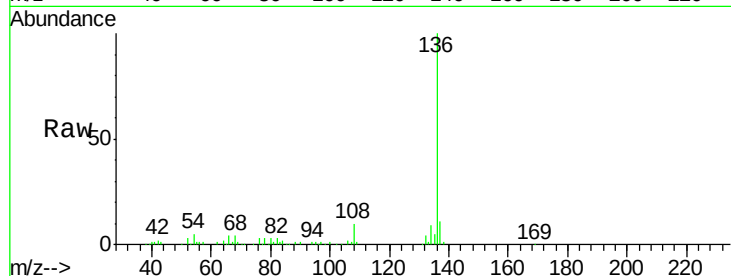
Ion Ratio Lower Upper

136 100

137 10.5 8.6 13.0

54 5.5 7.0 10.4#

68 4.3 4.9 7.3#

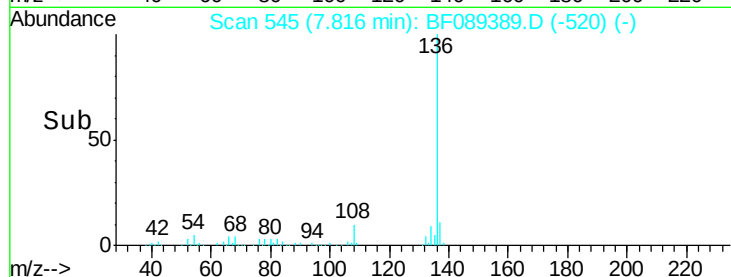


Abundance Ion 136.00 (135.70 to 136.70): E

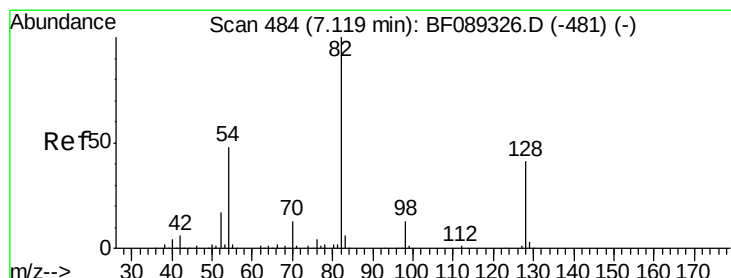
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 100.74 ng

RT: 7.10 min Scan# 482

Delta R.T. -0.02 min

Lab File: BF089389.D

Acq: 29 Jul 2016 4:02

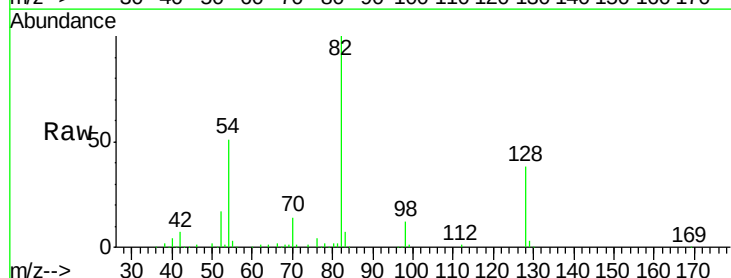
Tgt Ion: 82 Resp: 298320

Ion Ratio Lower Upper

82 100

128 38.4 32.5 48.7

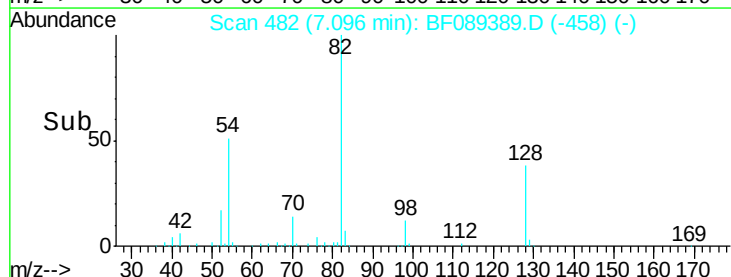
54 50.5 38.8 58.2



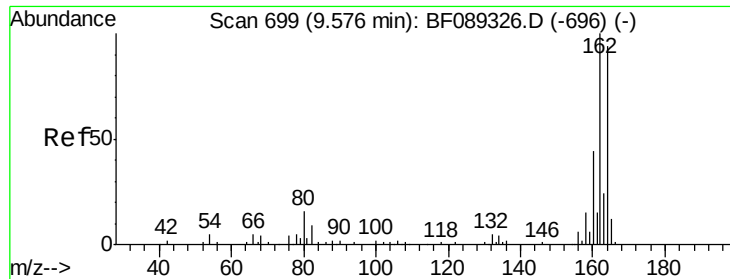
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



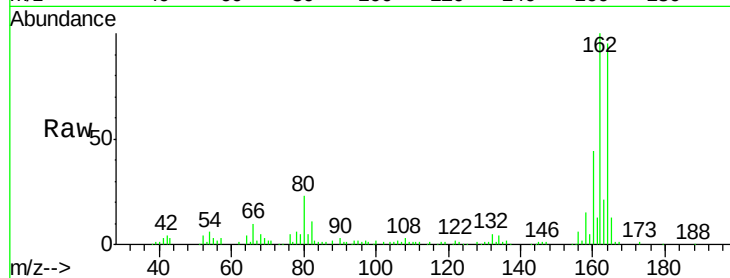
Time-->



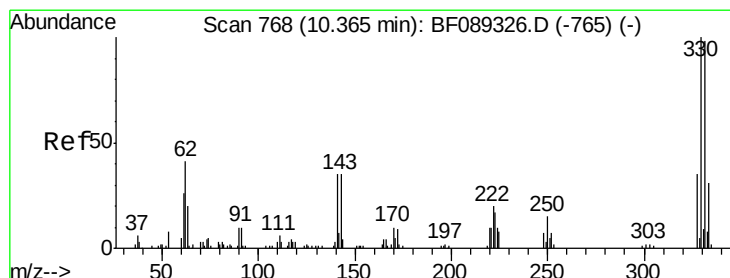
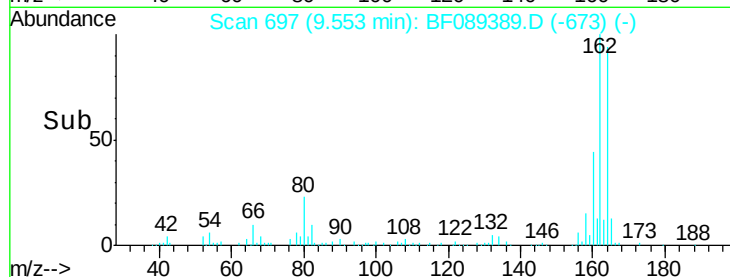
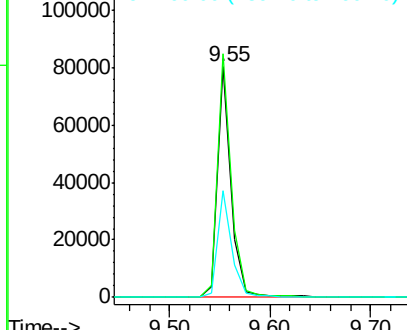
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.02 min
Lab File: BF089389.D
Acq: 29 Jul 2016 4:02

Instrument :
BNA_F
ClientSampleId :
SB-46-8.5-9.5

Tgt Ion:164 Resp: 74952
Ion Ratio Lower Upper
164 100
162 105.5 83.7 125.5
160 46.2 37.8 56.6

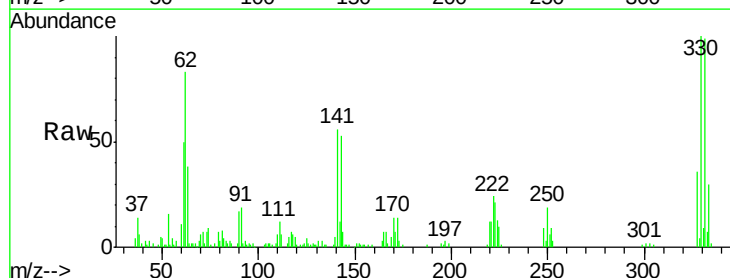


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

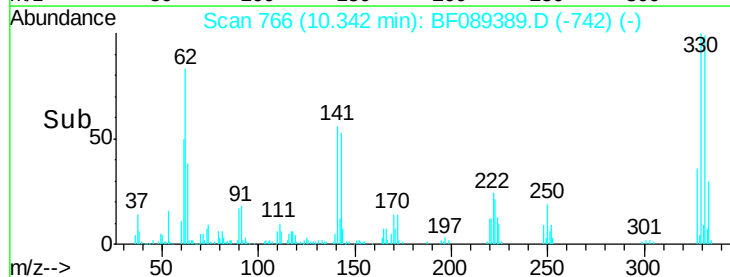
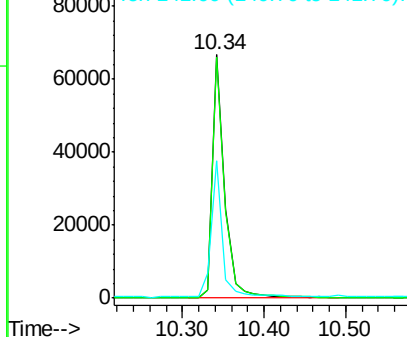


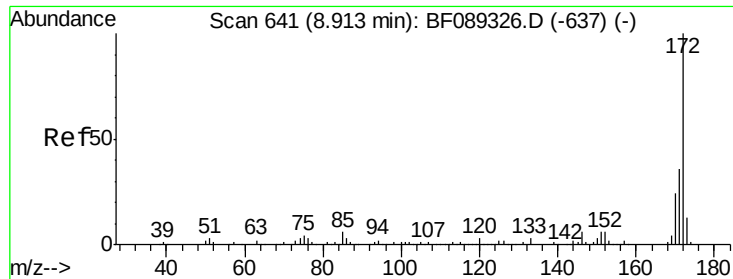
#41
2,4,6-Tribromophenol
Concen: 114.31 ng
RT: 10.34 min Scan# 766
Delta R.T. -0.02 min
Lab File: BF089389.D
Acq: 29 Jul 2016 4:02

Tgt Ion:330 Resp: 70957
Ion Ratio Lower Upper
330 100
332 98.3 76.8 115.2
141 51.9 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

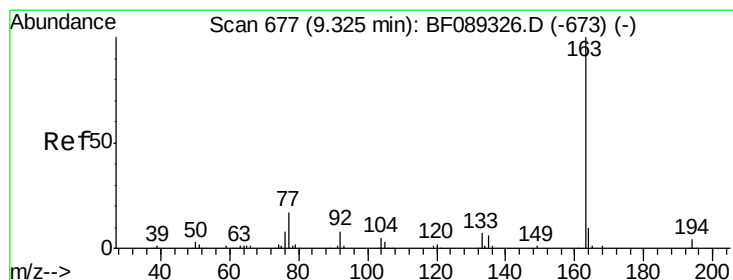
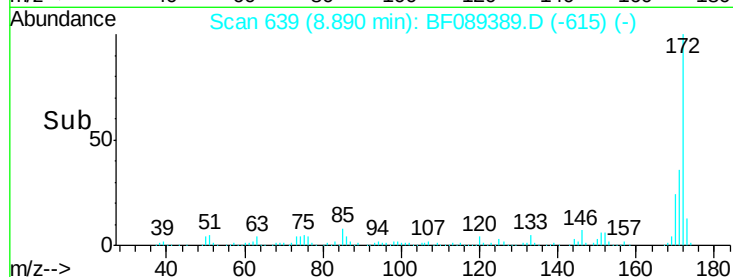
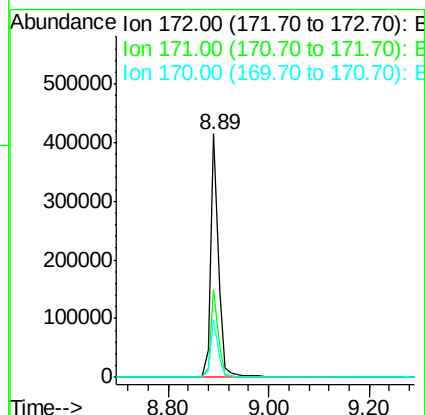
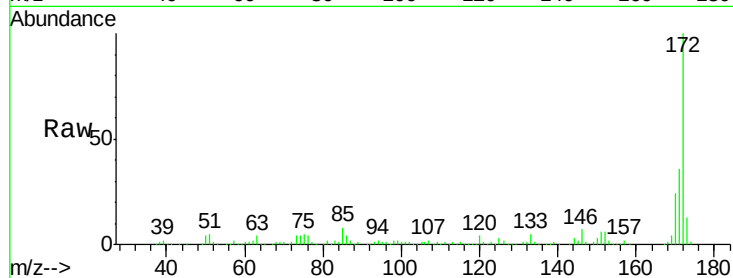




#44
 2-Fluorobiphenyl
 Concen: 88.70 ng
 RT: 8.89 min Scan# 639
 Delta R.T. -0.02 min
 Lab File: BF089389.D
 Acq: 29 Jul 2016 4:02

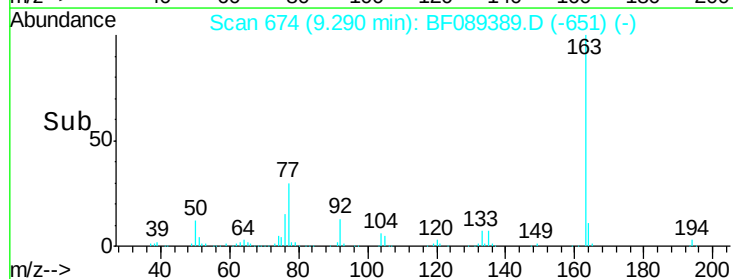
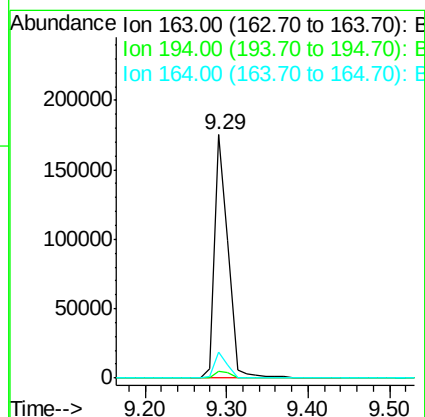
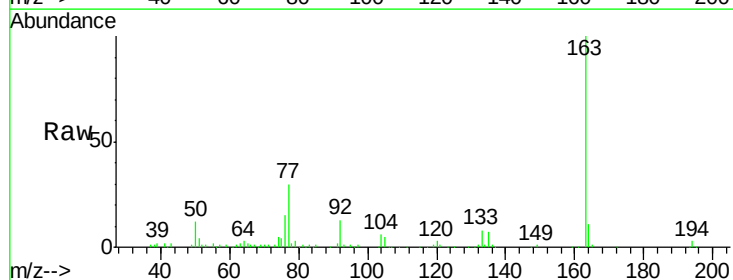
Instrument :
 BNA_F
 ClientSampled :
 SB-46-8.5-9.5

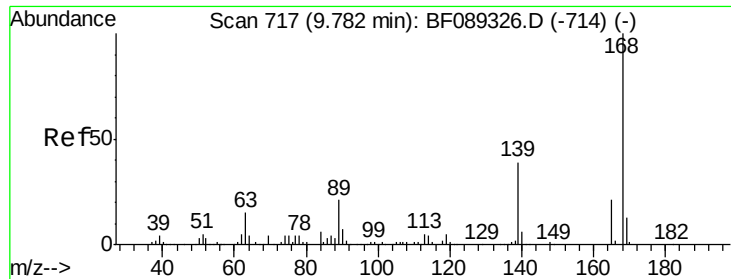
Tgt Ion:172 Resp: 453024
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.2 43.8
 170 23.6 19.2 28.8



#49
 Dimethylphthalate
 Concen: 35.94 ng
 RT: 9.29 min Scan# 674
 Delta R.T. -0.03 min
 Lab File: BF089389.D
 Acq: 29 Jul 2016 4:02

Tgt Ion:163 Resp: 205029
 Ion Ratio Lower Upper
 163 100
 194 3.0 2.8 4.2
 164 10.7 7.8 11.8

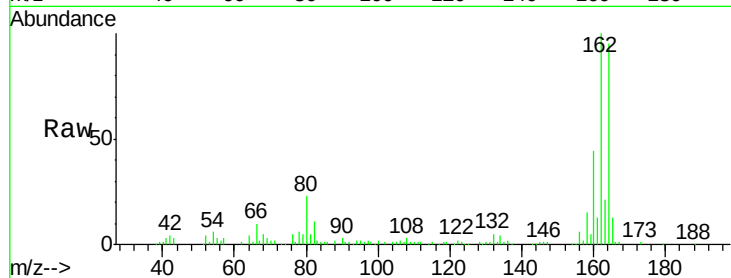




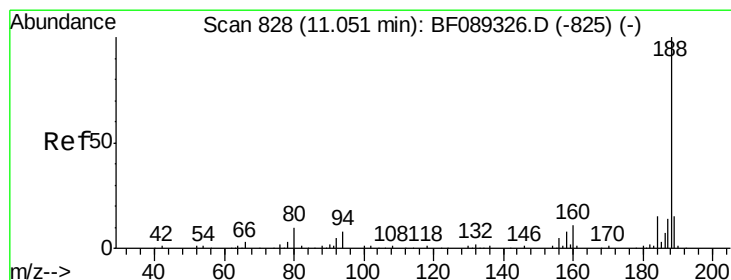
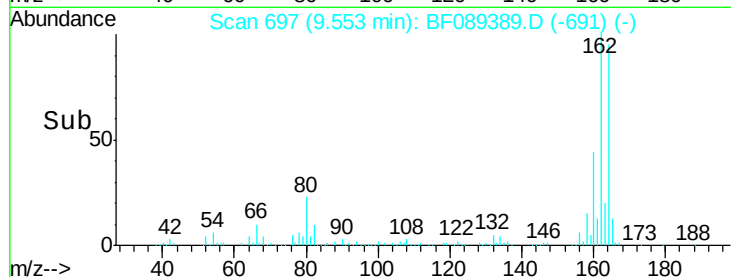
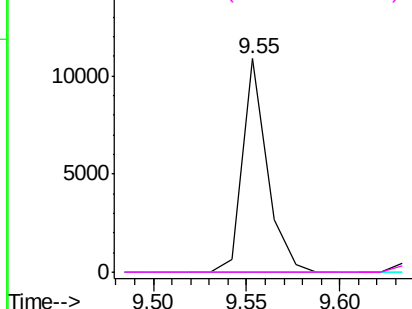
#56
 2,4-Dinitrotoluene
 Concen: 6.49 ng
 RT: 9.55 min Scan# 697
 Delta R.T. -0.23 min
 Lab File: BF089389.D
 Acq: 29 Jul 2016 4:02

Instrument :
 BNA_F
 ClientSampleId :
 SB-46-8.5-9.5

Tgt Ion:165 Resp: 10011
 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#

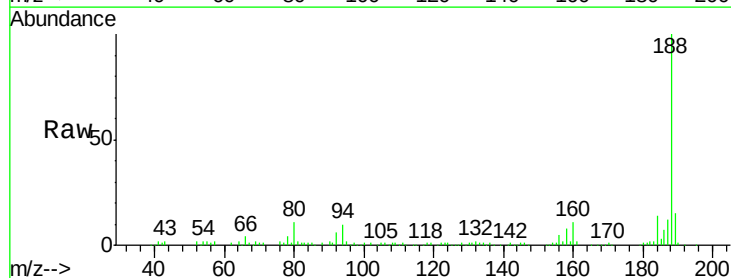


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

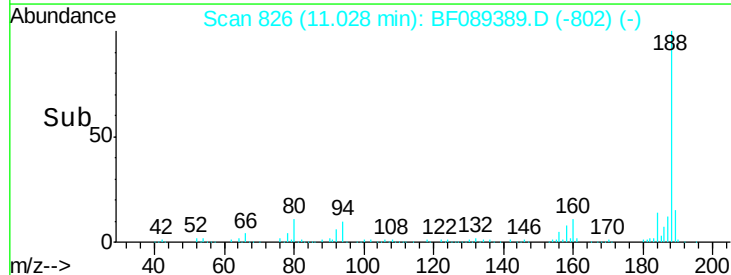
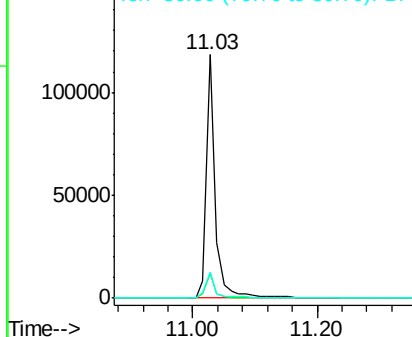


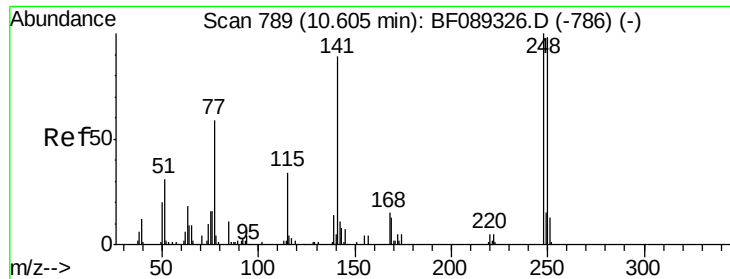
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.03 min Scan# 826
 Delta R.T. -0.02 min
 Lab File: BF089389.D
 Acq: 29 Jul 2016 4:02

Tgt Ion:188 Resp: 120388
 Ion Ratio Lower Upper
 188 100
 94 10.2 6.5 9.7#
 80 10.8 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

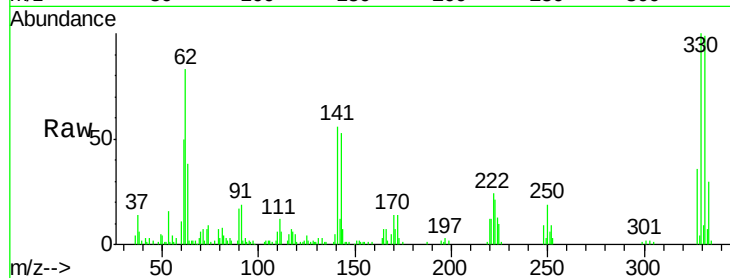




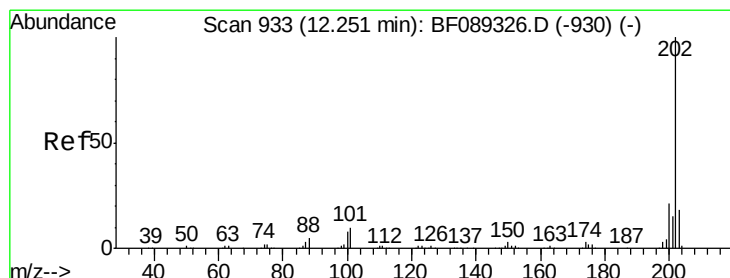
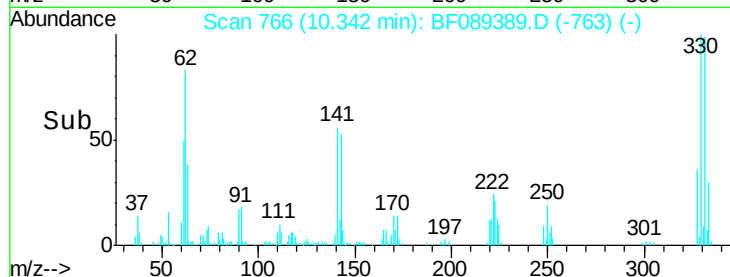
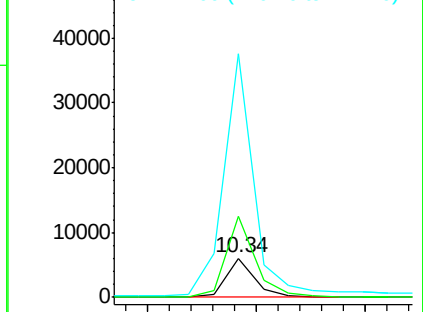
#66
 4-Bromophenyl-phenylether
 Concen: 4.94 ng
 RT: 10.34 min Scan# 766
 Delta R.T. -0.26 min
 Lab File: BF089389.D
 Acq: 29 Jul 2016 4:02

Instrument :
 BNA_F
 ClientSampleId :
 SB-46-8.5-9.5

Tgt Ion:248 Resp: 5673
 Ion Ratio Lower Upper
 248 100
 250 206.6 78.2 117.2#
 141 619.2 62.0 93.0#

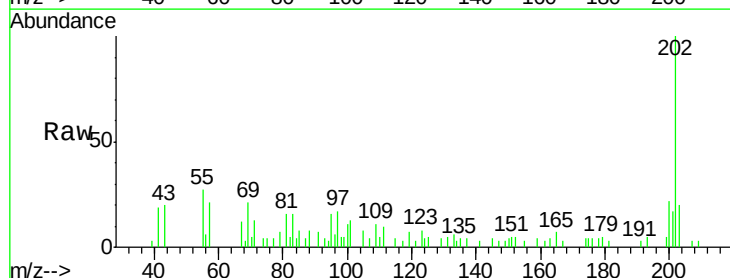


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

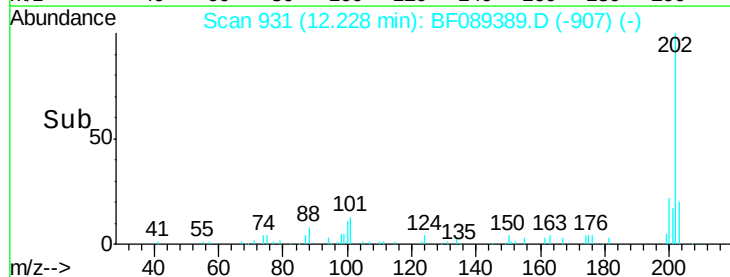
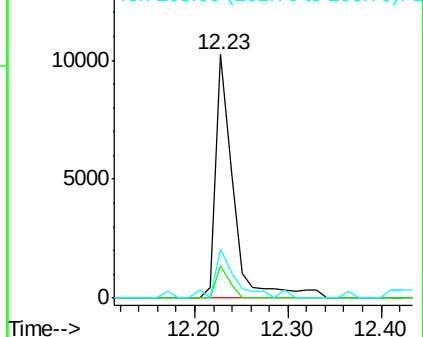


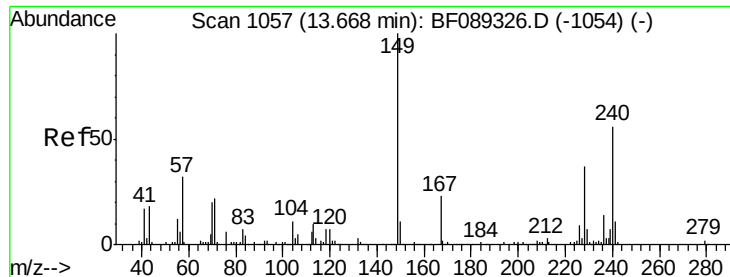
#74
 Fluoranthene
 Concen: 2.04 ng
 RT: 12.23 min Scan# 931
 Delta R.T. -0.02 min
 Lab File: BF089389.D
 Acq: 29 Jul 2016 4:02

Tgt Ion:202 Resp: 13297
 Ion Ratio Lower Upper
 202 100
 101 13.3 0.0 29.9
 203 19.9 0.0 37.3



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.65 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BF089389.D

Acq: 29 Jul 2016 4:02

Instrument :

BNA_F

ClientSampleId :

SB-46-8.5-9.5

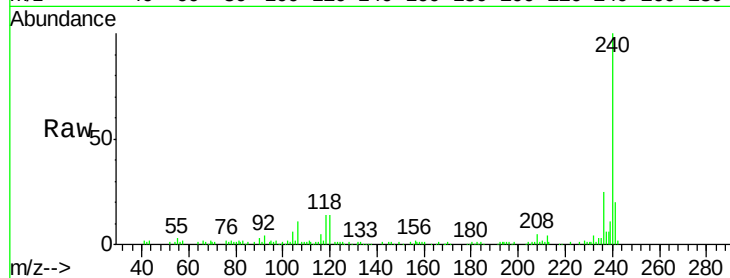
Tgt Ion:240 Resp: 97418

Ion Ratio Lower Upper

240 100

120 14.4 9.1 13.7#

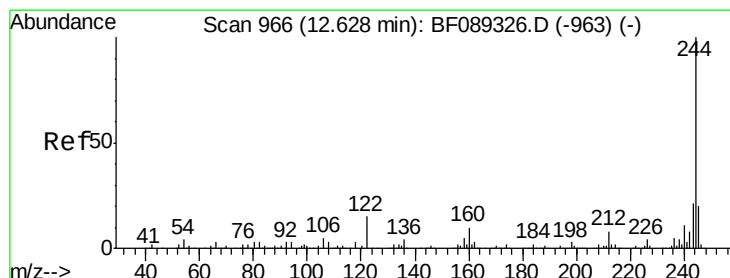
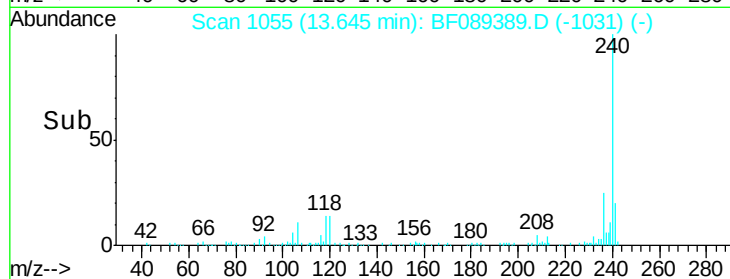
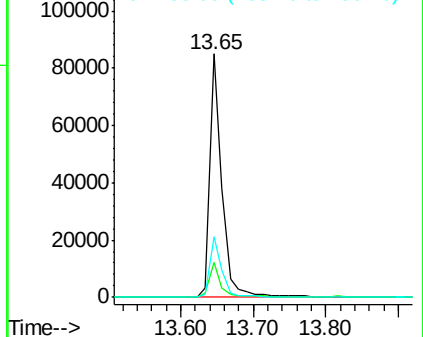
236 24.9 20.6 30.8



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: 72.52 ng

RT: 12.62 min Scan# 965

Delta R.T. -0.01 min

Lab File: BF089389.D

Acq: 29 Jul 2016 4:02

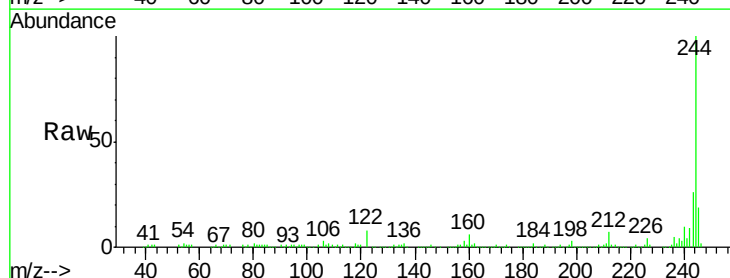
Tgt Ion:244 Resp: 301866

Ion Ratio Lower Upper

244 100

212 7.2 6.5 9.7

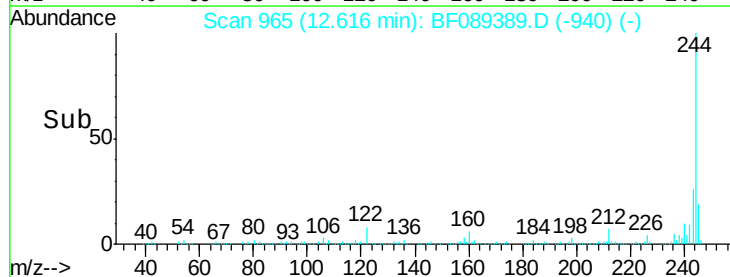
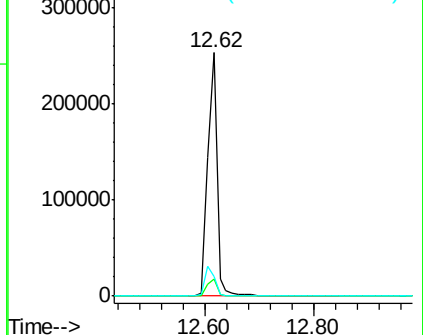
122 8.1 11.4 17.0#

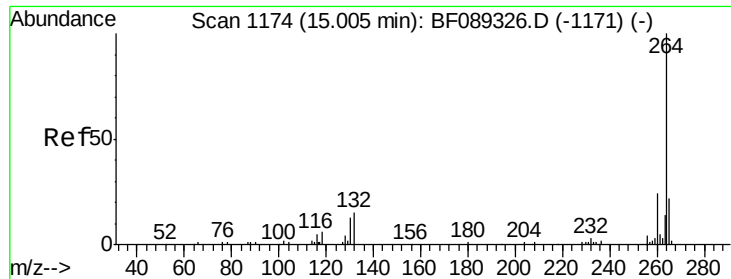


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

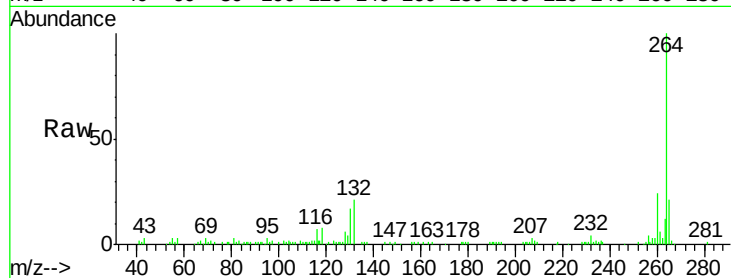




#86
Perylene-d12
Concen: 20.00 ng
RT: 14.98 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF089389.D
Acq: 29 Jul 2016 4:02

Instrument :
BNA_F
ClientSampleId :
SB-46-8.5-9.5

Tgt Ion: 264 Resp: 80949
Ion Ratio Lower Upper
264 100
260 23.7 19.0 28.4
265 21.0 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

