

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
 Data File : BF089428.D
 Acq On : 30 Jul 2016 00:40
 Operator : UM/SJ
 Sample : H4221-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-45-12.0-13.0

Quant Time: Jul 30 01:12:00 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 30 01:00:15 2016
 Response via : Initial Calibration

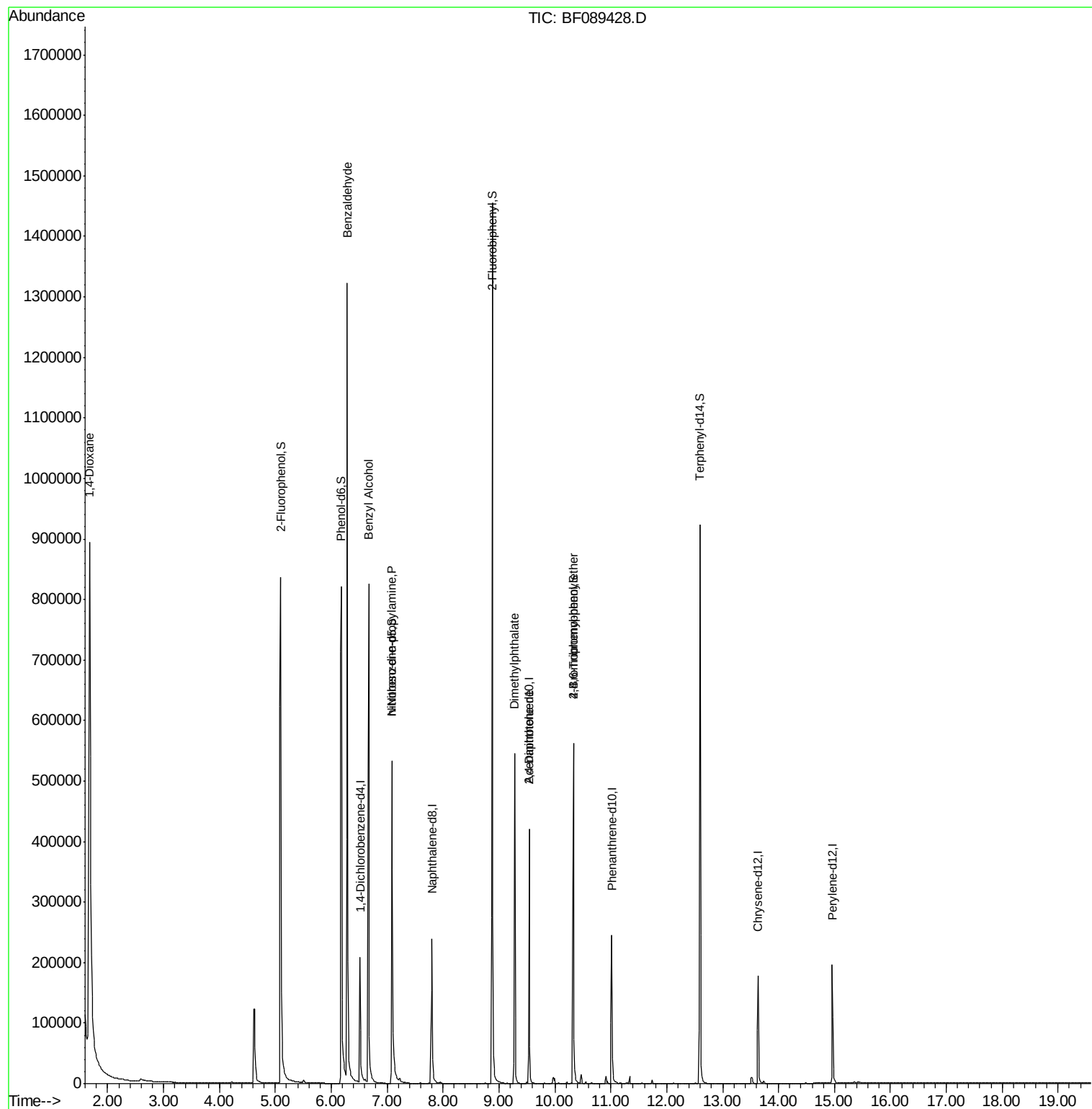
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.51	152	43767	20.00	ng	0.00
21) Naphthalene-d8	7.80	136	175271	20.00	ng	0.00
38) Acenaphthene-d10	9.54	164	81959	20.00	ng	0.00
63) Phenanthrene-d10	11.02	188	124654	20.00	ng	0.00
75) Chrysene-d12	13.63	240	86103	20.00	ng	0.00
86) Perylene-d12	14.96	264	91774	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	382664	139.60	ng	0.01
7) Phenol-d6	6.18	99	505786	139.63	ng	0.00
23) Nitrobenzene-d5	7.08	82	289471	97.48	ng	-0.01
41) 2,4,6-Tribromophenol	10.33	330	78697	115.94	ng	0.00
44) 2-Fluorobiphenyl	8.88	172	497002	88.99	ng	0.00
78) Terphenyl-d14	12.59	244	298302	81.08	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	1.68	88	49217	39.59	ng	# 26
9) Benzaldehyde	6.28	77	9568	5.41	ng	82
15) Benzyl Alcohol	6.67	79	4819	2.14	ng	# 50
19) n-Nitroso-di-n-propylamine	7.08	70	37648	17.24	ng	# 82
49) Dimethylphthalate	9.28	163	218889	35.09	ng	99
56) 2,4-Dinitrotoluene	9.54	165	10173	6.03	ng	# 7
66) 4-Bromophenyl-phenylether	10.33	248	5597	4.70	ng	# 1

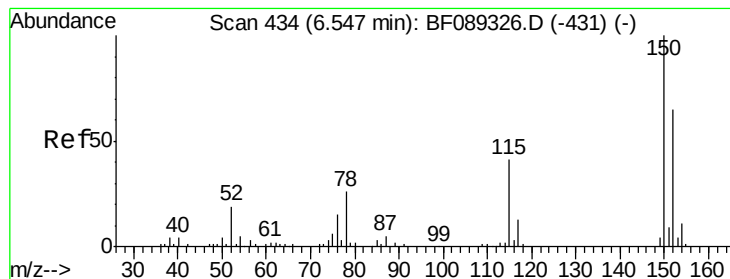
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jul 30 01:00:15 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.51 min Scan# 431

Delta R.T. -0.00 min

Lab File: BF089428.D

Acq: 30 Jul 2016 00:40

Instrument :

BNA_F

ClientSampleId :

SB-45-12.0-13.0

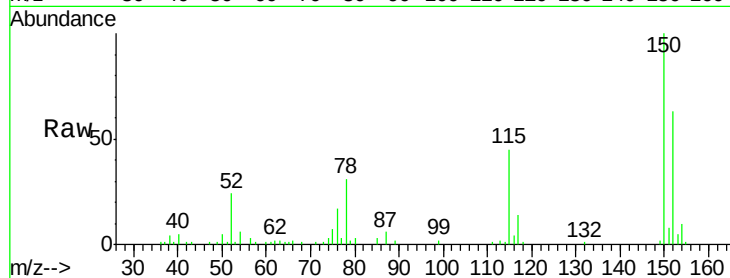
Tgt Ion:152 Resp: 43767

Ion Ratio Lower Upper

152 100

150 160.0 129.5 194.3

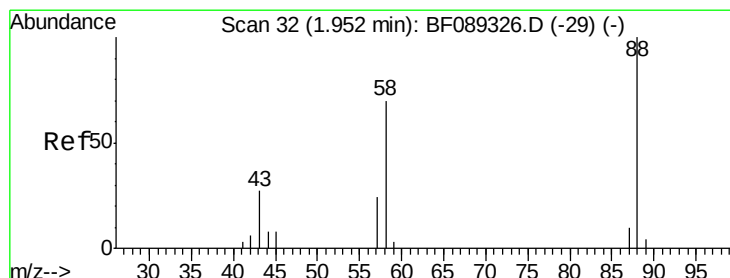
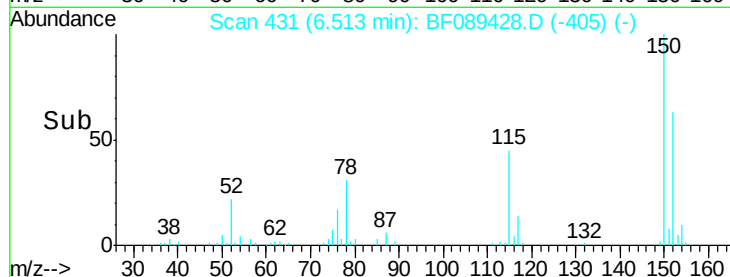
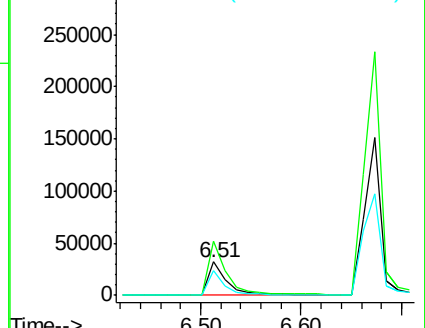
115 72.3 51.4 77.2



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: 39.59 ng

RT: 1.68 min Scan# 8

Delta R.T. -0.24 min

Lab File: BF089428.D

Acq: 30 Jul 2016 00:40

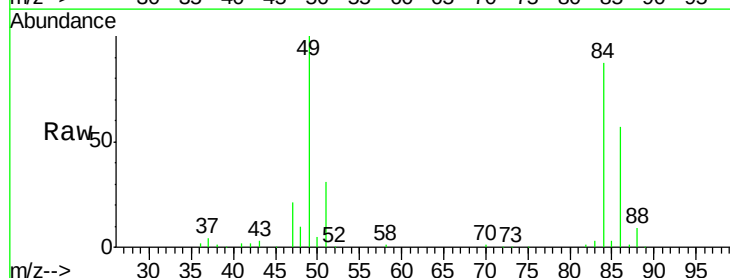
Tgt Ion: 88 Resp: 49217

Ion Ratio Lower Upper

88 100

58 0.0 53.2 79.8#

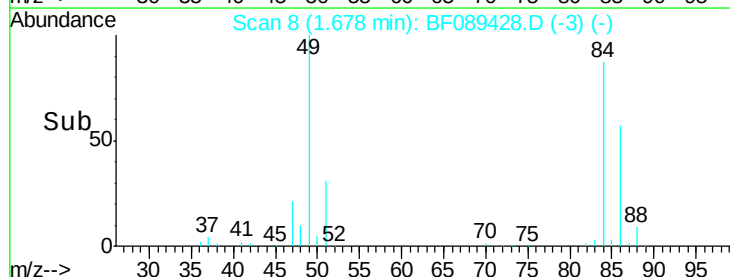
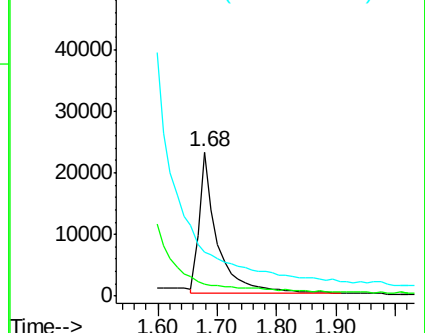
43 0.0 20.6 31.0#

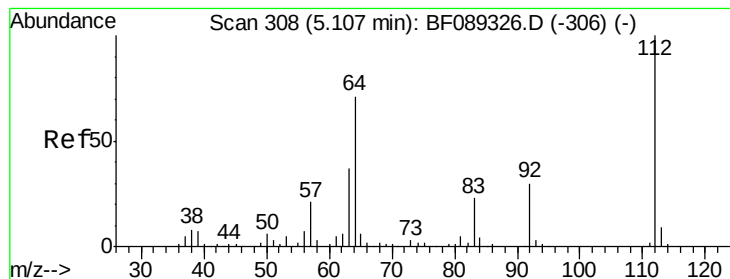


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 139.60 ng

RT: 5.10 min Scan# 307

Delta R.T. 0.01 min

Lab File: BF089428.D

Acq: 30 Jul 2016 00:40

Instrument :

BNA_F

ClientSampleId :

SB-45-12.0-13.0

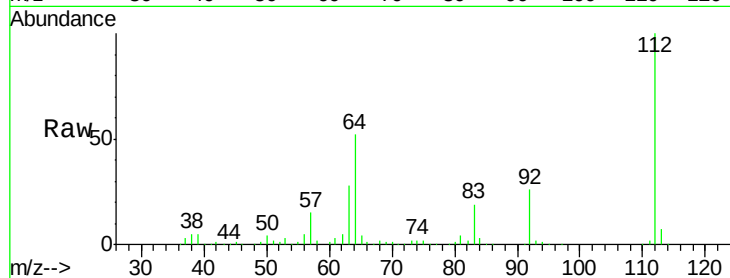
Tgt Ion: 112 Resp: 382664

Ion Ratio Lower Upper

112 100

64 52.3 55.0 82.6#

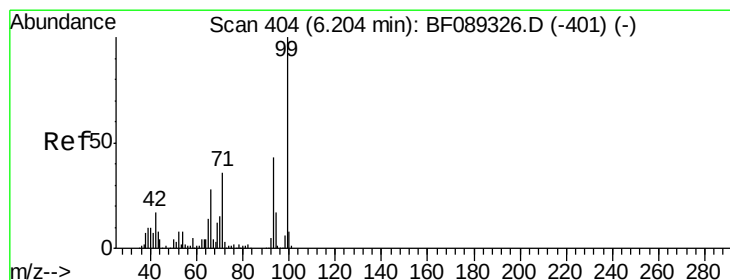
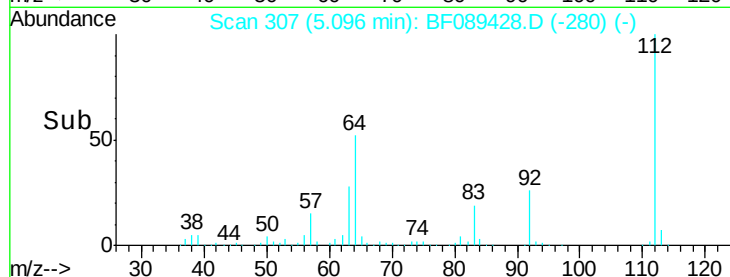
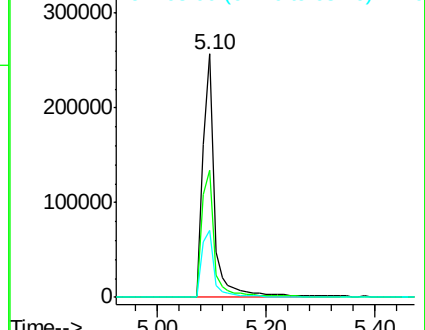
63 27.6 29.4 44.2#



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: 139.63 ng

RT: 6.18 min Scan# 402

Delta R.T. -0.00 min

Lab File: BF089428.D

Acq: 30 Jul 2016 00:40

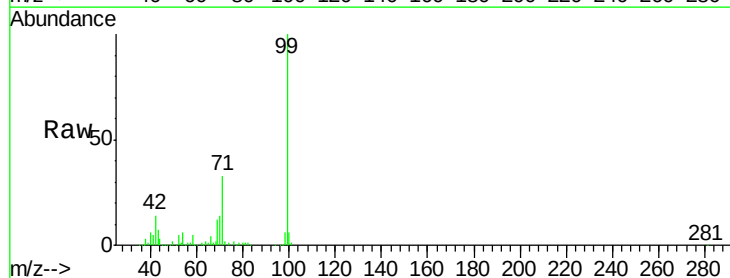
Tgt Ion: 99 Resp: 505786

Ion Ratio Lower Upper

99 100

42 13.9 13.6 20.4

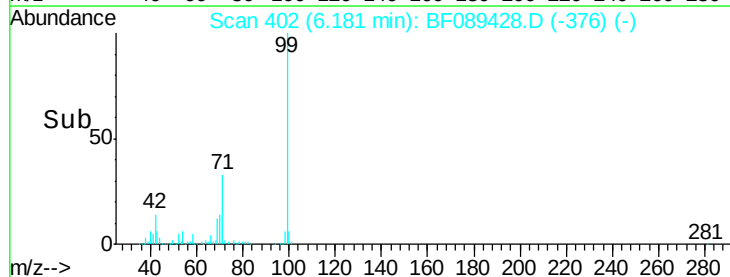
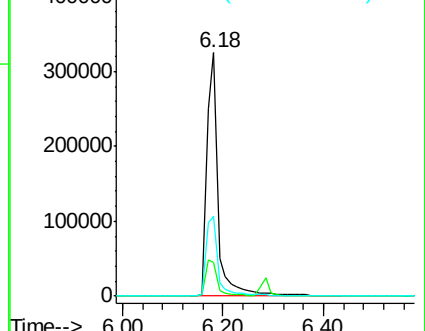
71 32.9 29.4 44.2

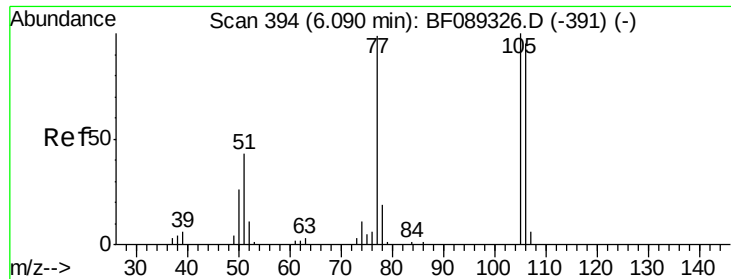


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 5.41 ng

RT: 6.28 min Scan# 411

Delta R.T. 0.23 min

Lab File: BF089428.D

Acq: 30 Jul 2016 00:40

Instrument :

BNA_F

ClientSampleId :

SB-45-12.0-13.0

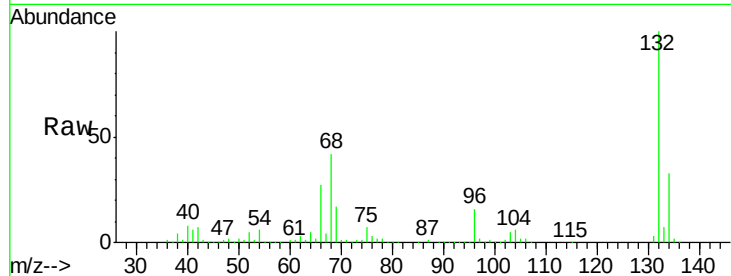
Tgt Ion: 77 Resp: 9568

Ion Ratio Lower Upper

77 100

105 83.3 82.9 122.9

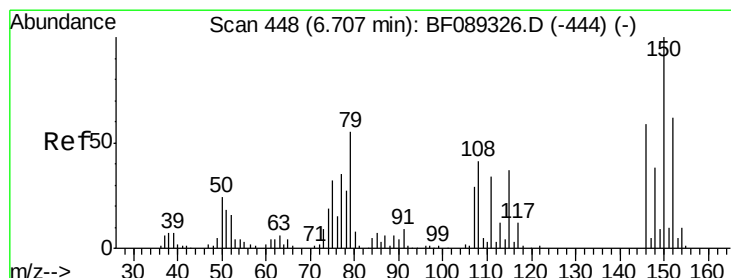
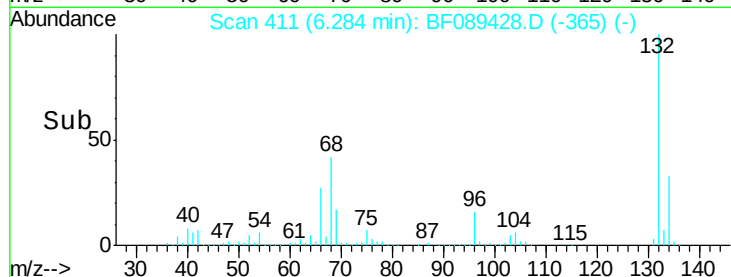
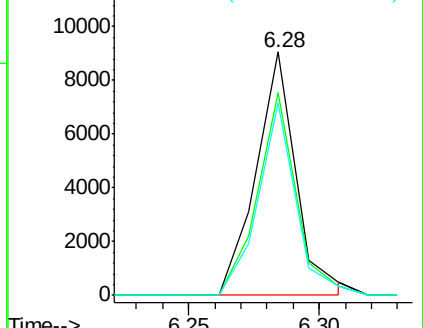
106 79.1 75.9 115.9



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#15

Benzyl Alcohol

Concen: 2.14 ng

RT: 6.67 min Scan# 445

Delta R.T. -0.00 min

Lab File: BF089428.D

Acq: 30 Jul 2016 00:40

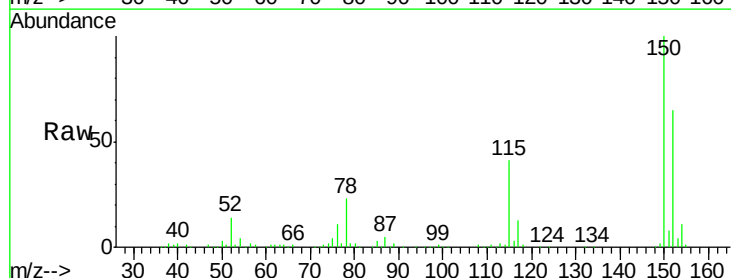
Tgt Ion: 79 Resp: 4819

Ion Ratio Lower Upper

79 100

108 33.5 59.8 89.6#

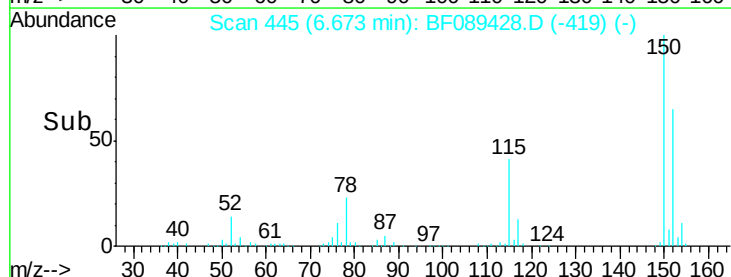
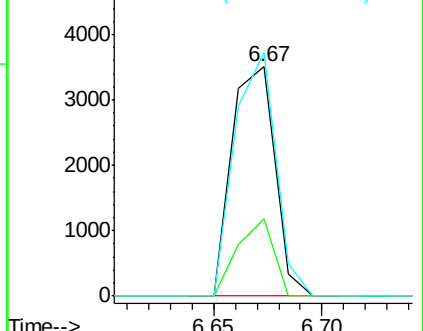
77 106.2 51.7 77.5#

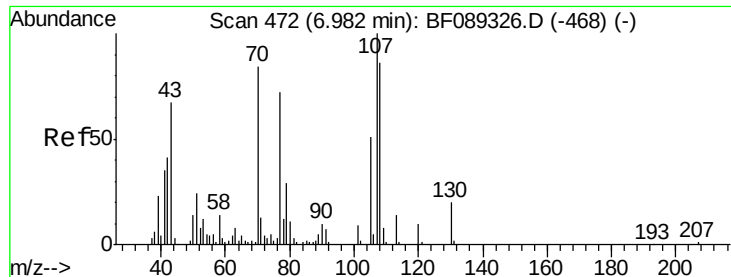


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

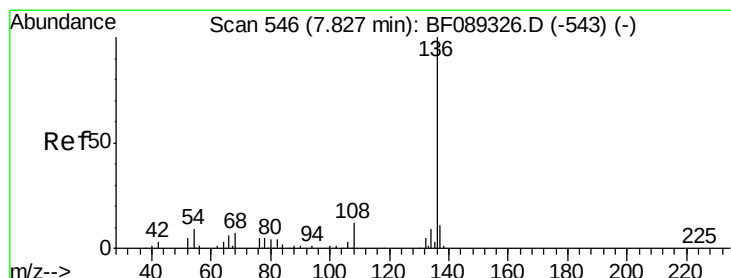
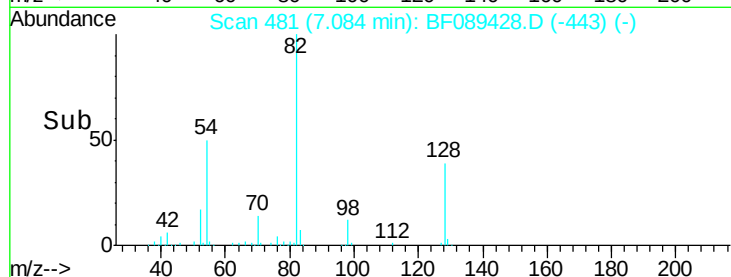
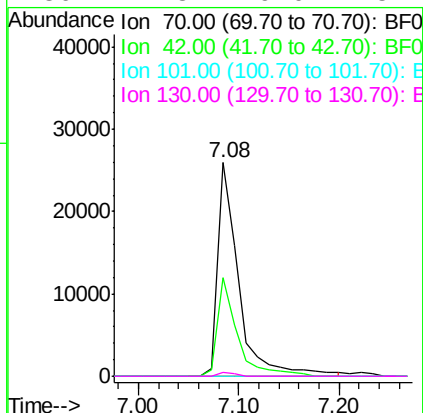
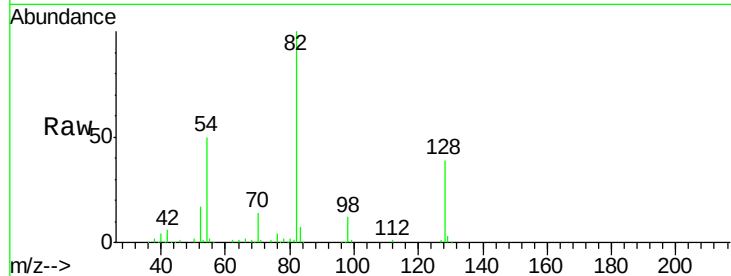




#19
n-Nitroso-di-n-propylamine
Concen: 17.24 ng
RT: 7.08 min Scan# 481
Delta R.T. 0.14 min
Lab File: BF089428.D
Acq: 30 Jul 2016 00:40

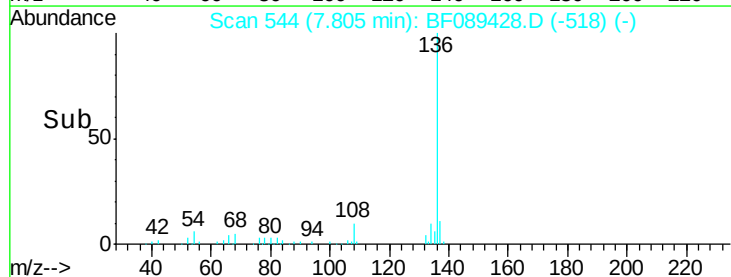
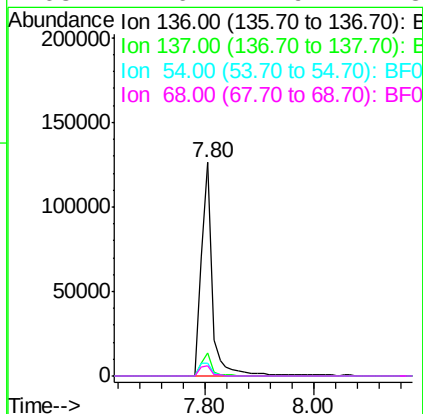
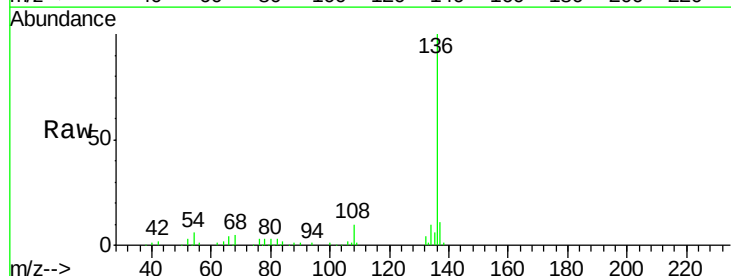
Instrument :
BNA_F
ClientSampleId :
SB-45-12.0-13.0

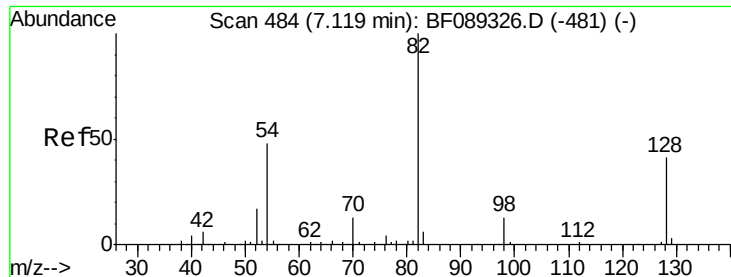
Tgt Ion: 70 Resp: 37648
Ion Ratio Lower Upper
70 100
42 46.3 38.6 57.8
101 0.0 8.3 12.5#
130 1.8 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.80 min Scan# 544
Delta R.T. -0.00 min
Lab File: BF089428.D
Acq: 30 Jul 2016 00:40

Tgt Ion: 136 Resp: 175271
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 5.8 7.0 10.4#
68 4.6 4.9 7.3#

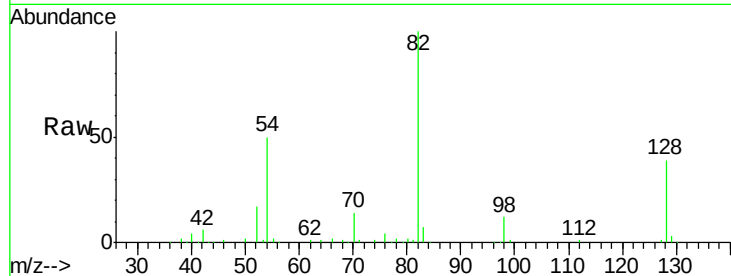




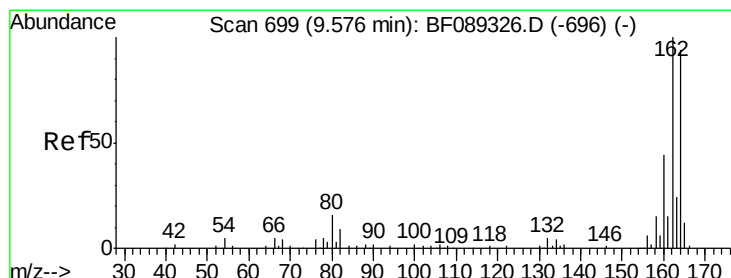
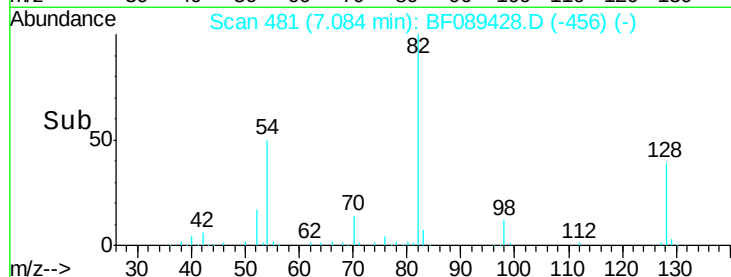
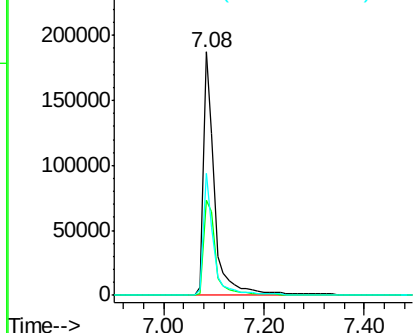
#23
 Nitrobenzene-d5
 Concen: 97.48 ng
 RT: 7.08 min Scan# 481
 Delta R.T. -0.01 min
 Lab File: BF089428.D
 Acq: 30 Jul 2016 00:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-45-12.0-13.0

Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.1	32.5	48.7
54	50.2	38.8	58.2

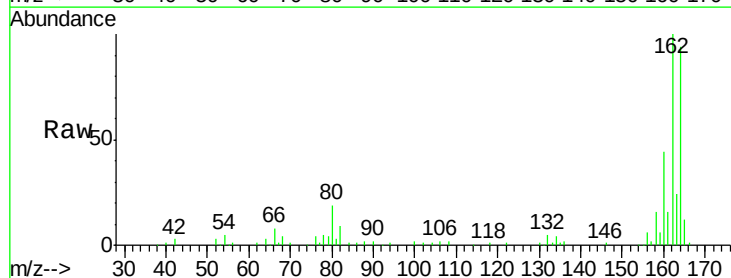


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

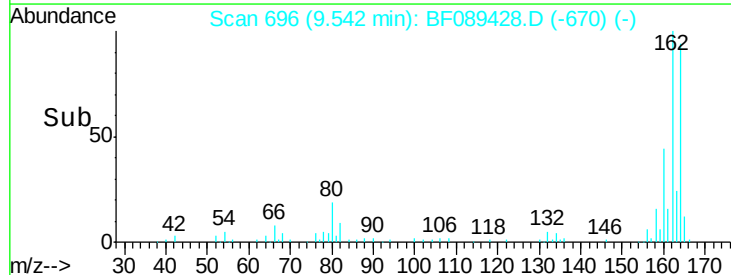
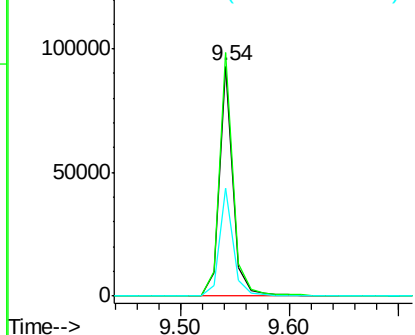


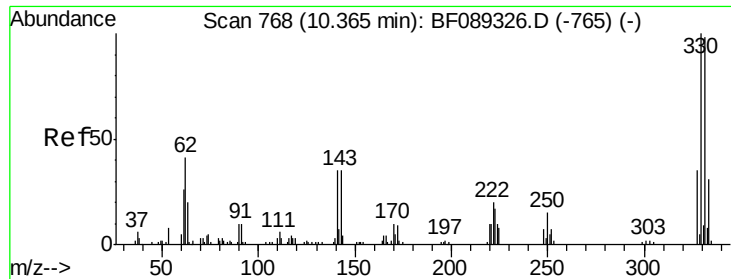
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.54 min Scan# 696
 Delta R.T. -0.00 min
 Lab File: BF089428.D
 Acq: 30 Jul 2016 00:40

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.9	83.7	125.5
160	46.9	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

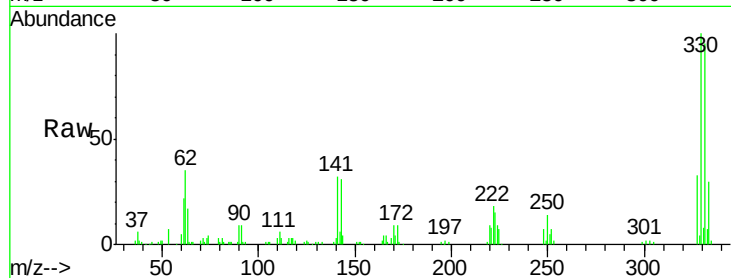




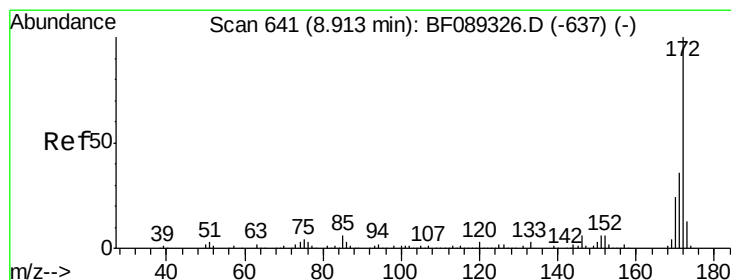
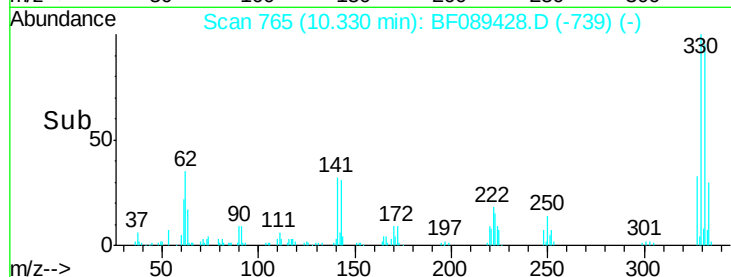
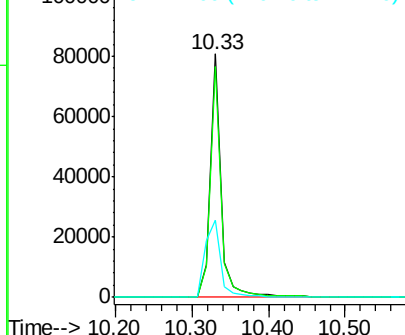
#41
 2,4,6-Tribromophenol
 Concen: 115.94 ng
 RT: 10.33 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: BF089428.D
 Acq: 30 Jul 2016 00:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-45-12.0-13.0

Tgt Ion:330 Resp: 78697
 Ion Ratio Lower Upper
 330 100
 332 95.4 76.8 115.2
 141 45.6 37.3 55.9

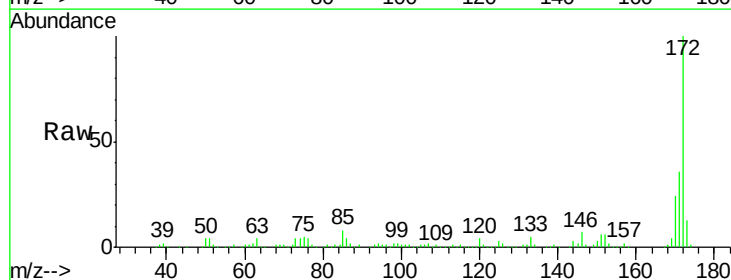


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

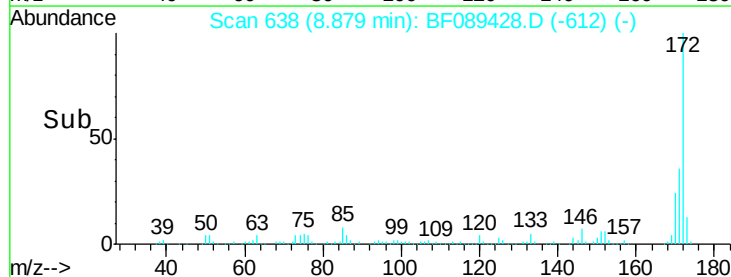
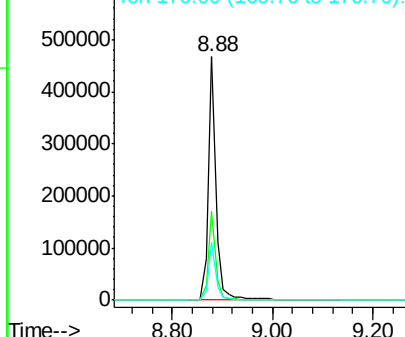


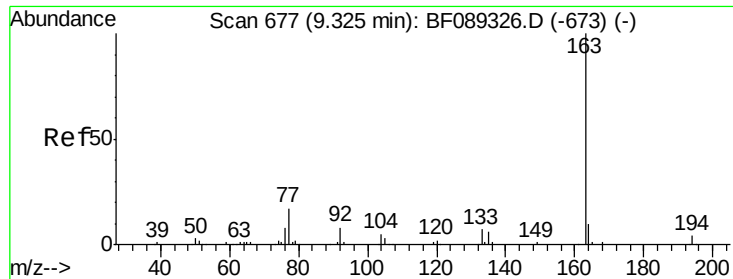
#44
 2-Fluorobiphenyl
 Concen: 88.99 ng
 RT: 8.88 min Scan# 638
 Delta R.T. -0.00 min
 Lab File: BF089428.D
 Acq: 30 Jul 2016 00:40

Tgt Ion:172 Resp: 497002
 Ion Ratio Lower Upper
 172 100
 171 36.2 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





#49

Dimethylphthalate

Concen: 35.09 ng

RT: 9.28 min Scan# 673

Delta R.T. -0.01 min

Lab File: BF089428.D

Acq: 30 Jul 2016 00:40

Instrument :

BNA_F

ClientSampleId :

SB-45-12.0-13.0

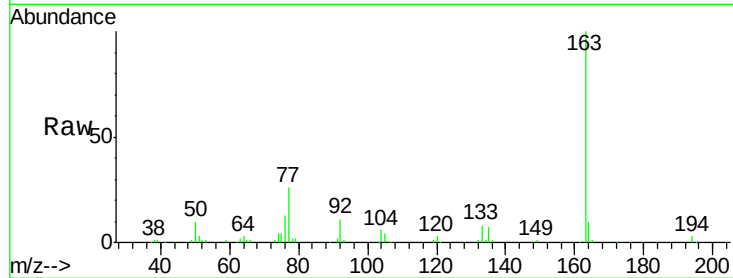
Tgt Ion:163 Resp: 218889

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

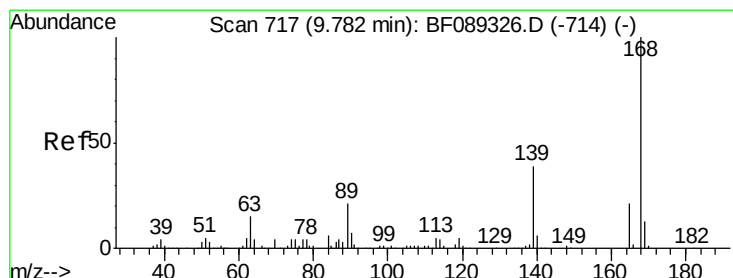
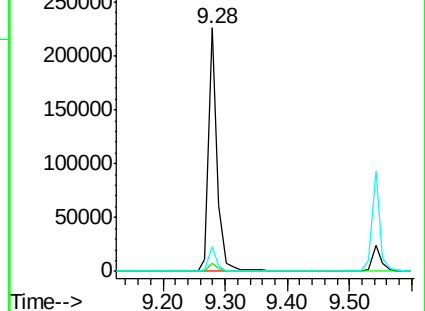
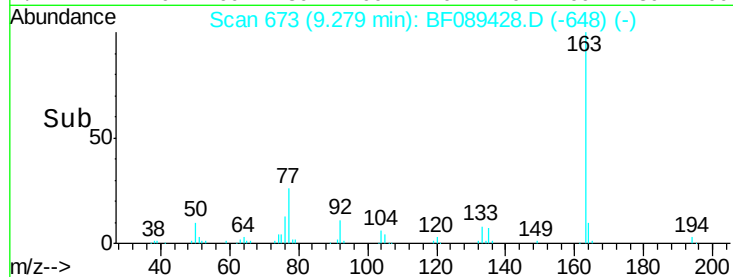
164 10.4 7.8 11.8



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: 6.03 ng

RT: 9.54 min Scan# 696

Delta R.T. -0.22 min

Lab File: BF089428.D

Acq: 30 Jul 2016 00:40

Tgt Ion:165 Resp: 10173

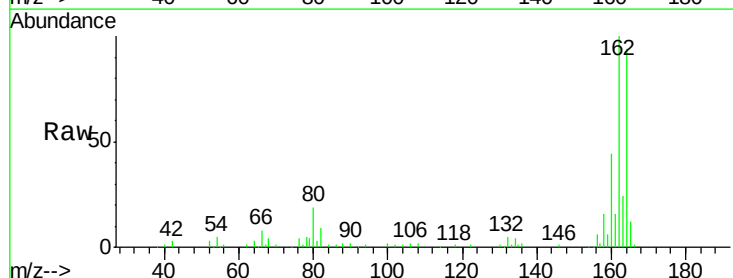
Ion Ratio Lower Upper

165 100

63 0.0 58.2 87.2#

89 0.0 79.1 118.7#

182 0.0 1.8 2.8#

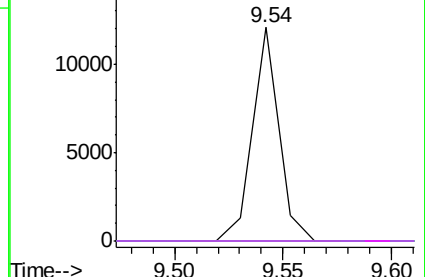
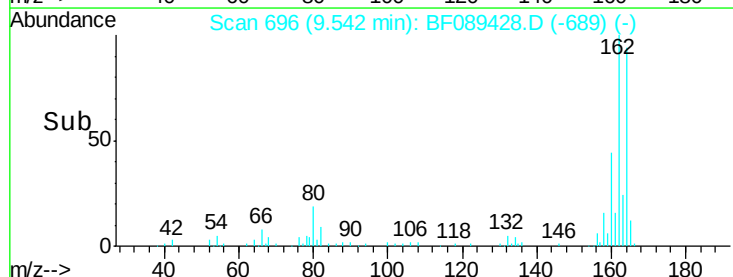


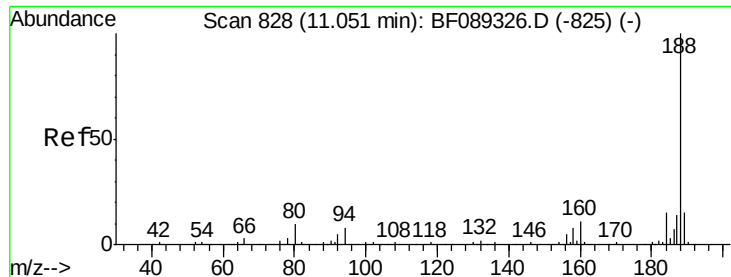
Abundance Ion 165.00 (164.70 to 165.70): E

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

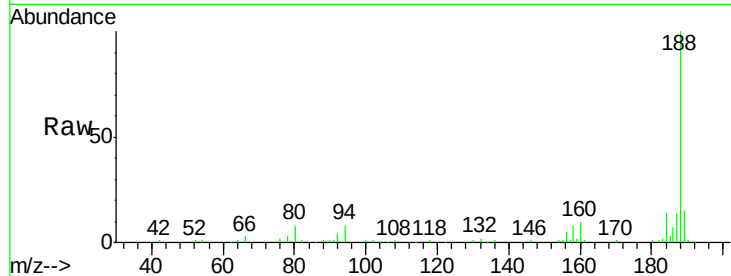




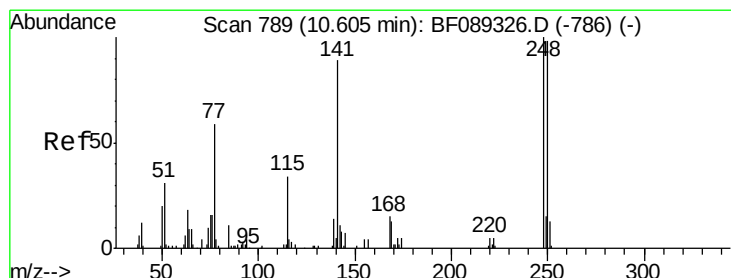
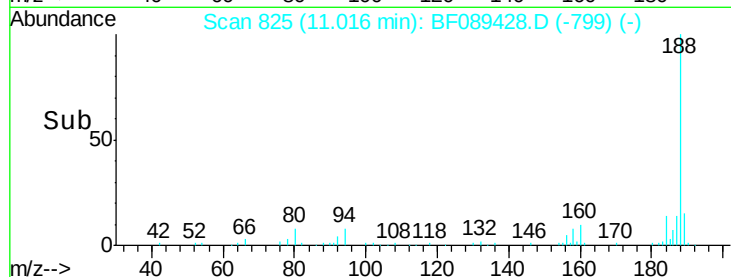
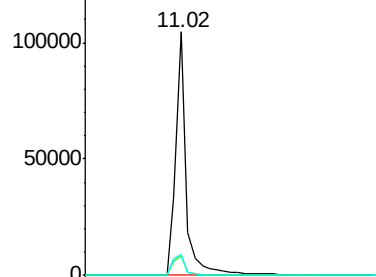
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.02 min Scan# 825
 Delta R.T. -0.00 min
 Lab File: BF089428.D
 Acq: 30 Jul 2016 00:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-45-12.0-13.0

Tgt Ion:188 Resp: 124654
 Ion Ratio Lower Upper
 188 100
 94 7.8 6.5 9.7
 80 8.5 7.2 10.8

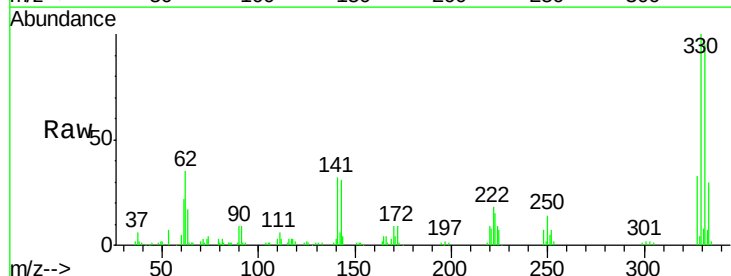


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

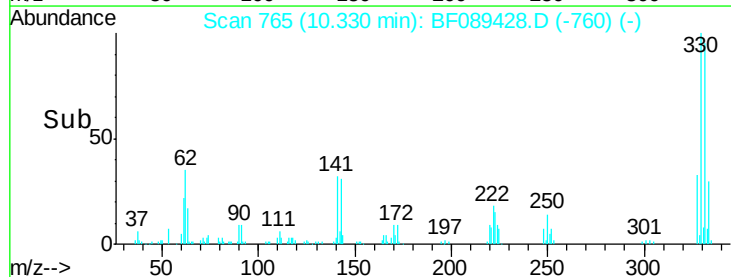
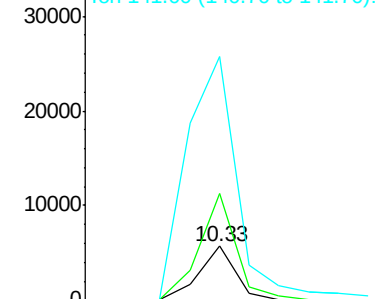


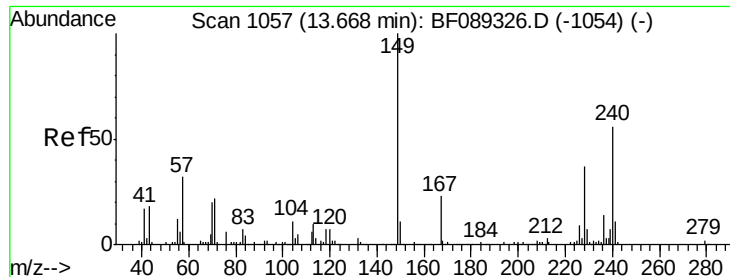
#66
 4-Bromophenyl-phenylether
 Concen: 4.70 ng
 RT: 10.33 min Scan# 765
 Delta R.T. -0.24 min
 Lab File: BF089428.D
 Acq: 30 Jul 2016 00:40

Tgt Ion:248 Resp: 5597
 Ion Ratio Lower Upper
 248 100
 250 195.9 78.2 117.2#
 141 449.8 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: 13.63 min Scan# 1054

Delta R.T. -0.00 min

Lab File: BF089428.D

Acq: 30 Jul 2016 00:40

Instrument :

BNA_F

ClientSampleId :

SB-45-12.0-13.0

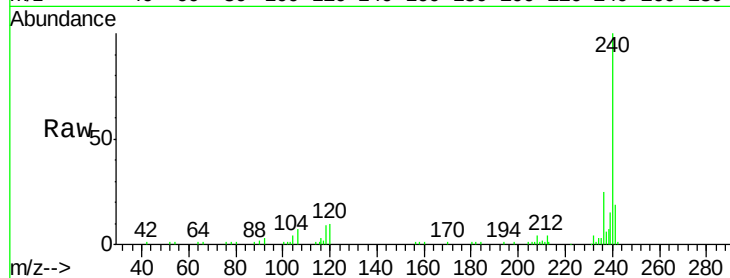
Tgt Ion:240 Resp: 86103

Ion Ratio Lower Upper

240 100

120 9.9 9.1 13.7

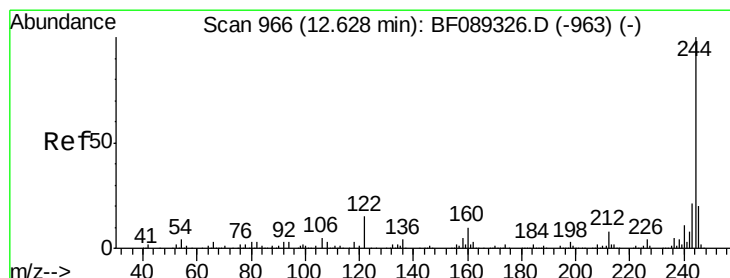
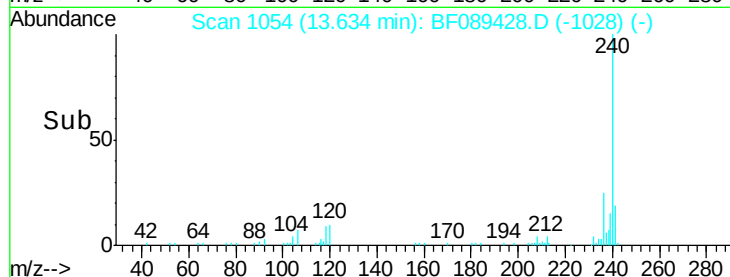
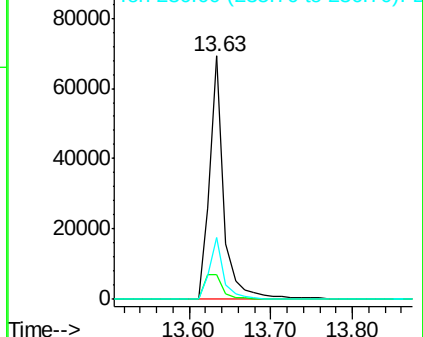
236 25.2 20.6 30.8



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: 81.08 ng

RT: 12.59 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF089428.D

Acq: 30 Jul 2016 00:40

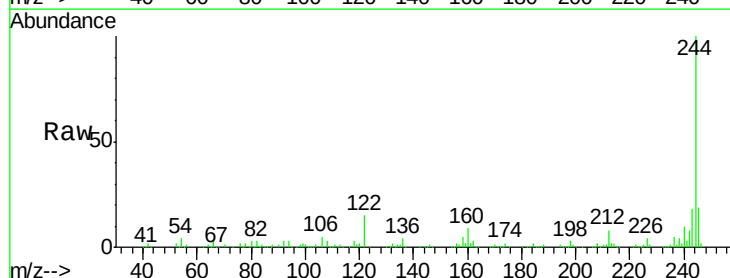
Tgt Ion:244 Resp: 298302

Ion Ratio Lower Upper

244 100

212 8.2 6.5 9.7

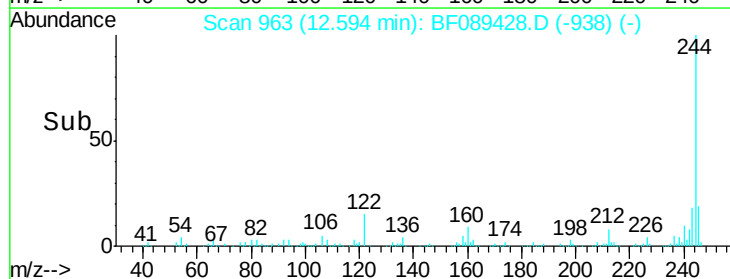
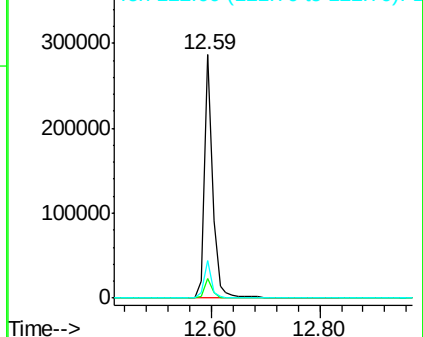
122 15.4 11.4 17.0

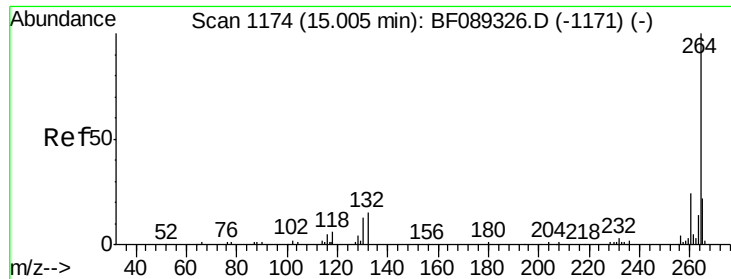


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.96 min Scan# 1170
 Delta R.T. -0.01 min
 Lab File: BF089428.D
 Acq: 30 Jul 2016 00:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-45-12.0-13.0

Tgt Ion: 264 Resp: 91774
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.0 28.4
 265 21.4 17.5 26.3

