

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
 Data File : BF089434.D
 Acq On : 30 Jul 2016 3:41
 Operator : UM/SJ
 Sample : H4221-21
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-03072516

Quant Time: Jul 30 04:48:08 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

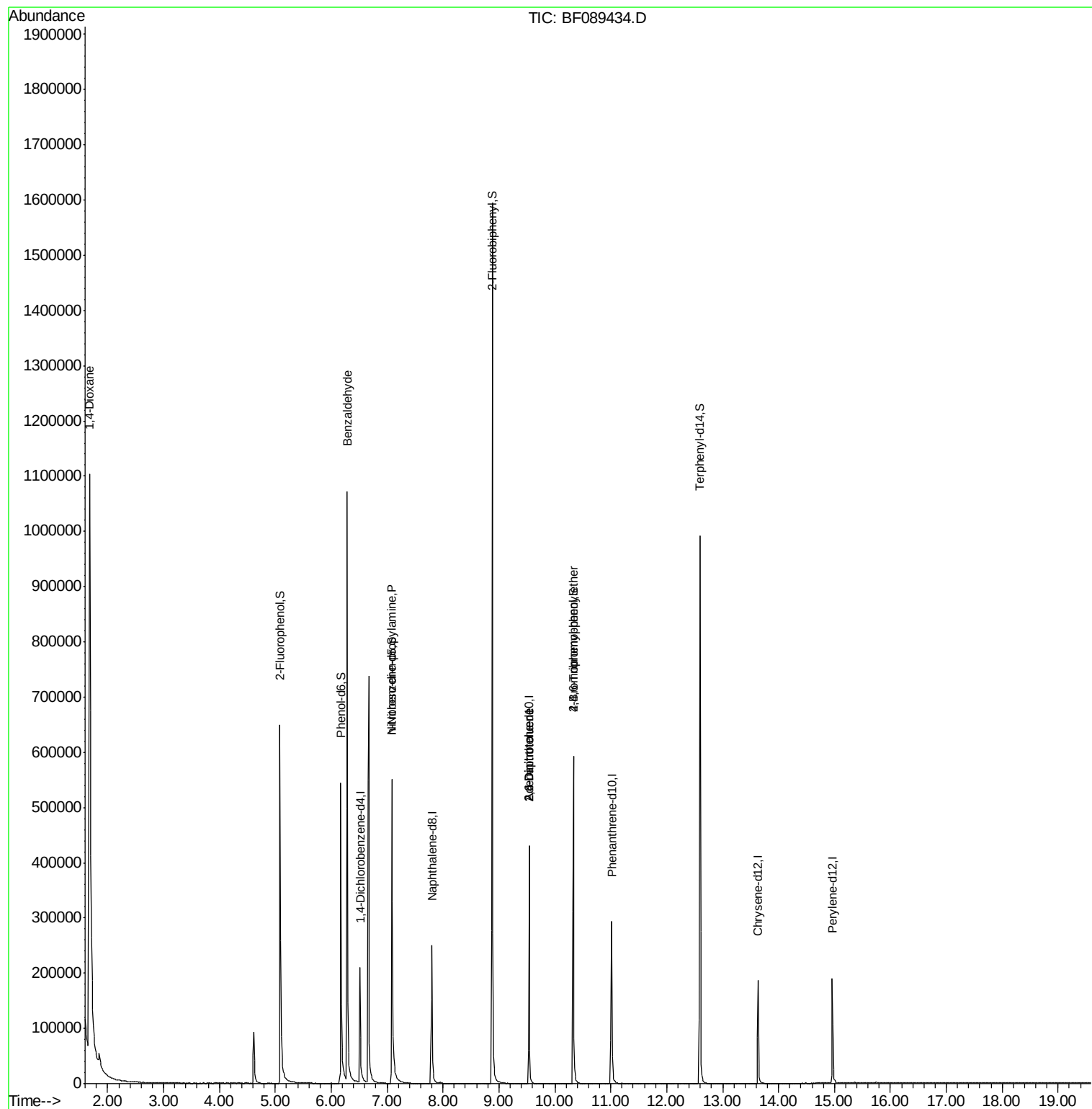
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.51	152	45207	20.00	ng	0.00
21) Naphthalene-d8	7.80	136	181147	20.00	ng	0.00
38) Acenaphthene-d10	9.54	164	85080	20.00	ng	0.00
63) Phenanthrene-d10	11.02	188	137591	20.00	ng	0.00
75) Chrysene-d12	13.63	240	87732	20.00	ng	0.00
86) Perylene-d12	14.96	264	91195	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.08	112	246523	87.07	ng	0.00
7) Phenol-d6	6.17	99	247982	66.28	ng	-0.01
23) Nitrobenzene-d5	7.08	82	292128	95.19	ng	-0.01
41) 2,4,6-Tribromophenol	10.33	330	81428	115.56	ng	0.00
44) 2-Fluorobiphenyl	8.88	172	528262	91.12	ng	0.00
78) Terphenyl-d14	12.59	244	324426	86.55	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	1.68	88	62957	49.95	ng	# 26
9) Benzaldehyde	6.28	77	8444	4.62	ng	# 82
19) n-Nitroso-di-n-propylamine	7.08	70	37504	16.62	ng	# 82
50) 2,6-Dinitrotoluene	9.54	165	10596	7.96	ng	# 24
56) 2,4-Dinitrotoluene	9.54	165	10596	6.05	ng	# 7
66) 4-Bromophenyl-phenylether	10.33	248	6179	4.70	ng	# 1

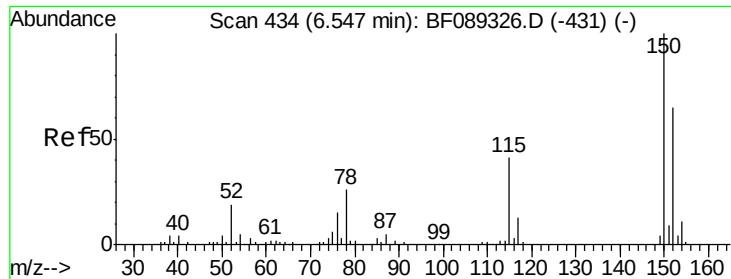
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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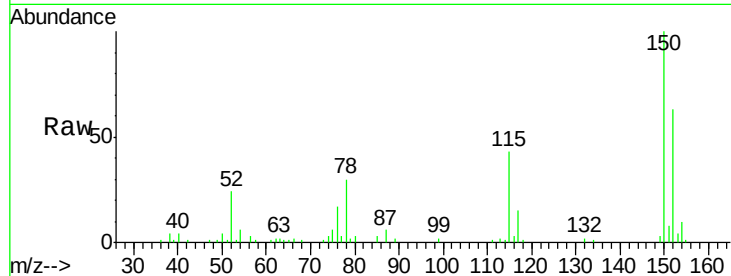




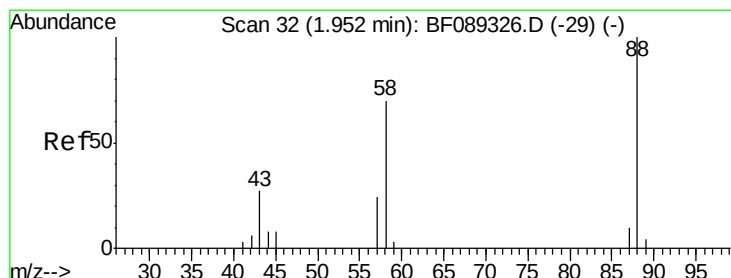
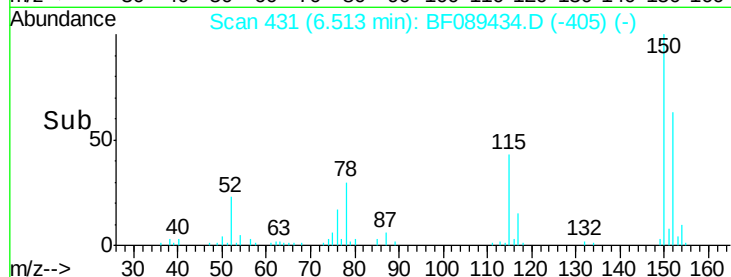
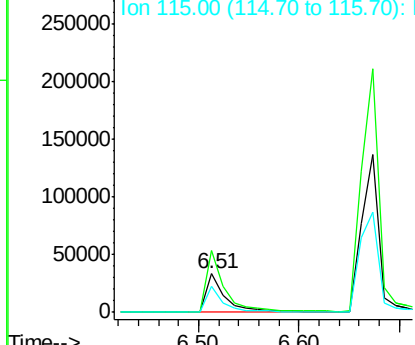
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.51 min Scan# 431
 Delta R.T. -0.00 min
 Lab File: BF089434.D
 Acq: 30 Jul 2016 3:41

Instrument :
 BNA_F
 ClientSampleId :
 DUP-03072516

Tgt Ion: 152 Resp: 45207
 Ion Ratio Lower Upper
 152 100
 150 159.9 129.5 194.3
 115 69.3 51.4 77.2

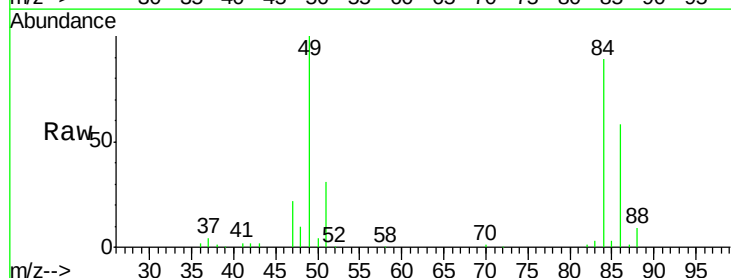


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

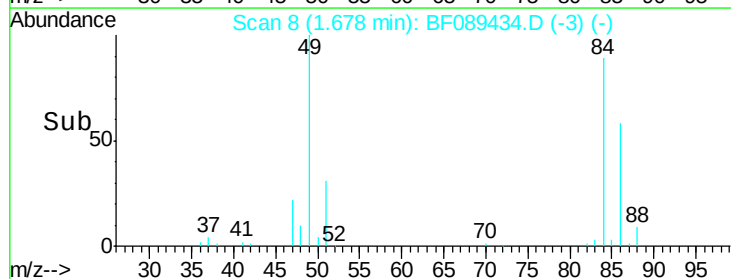
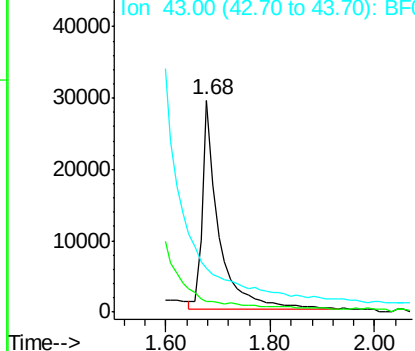


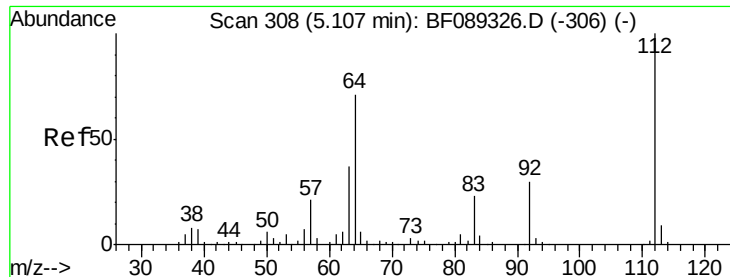
#2
 1,4-Dioxane
 Concen: 49.95 ng
 RT: 1.68 min Scan# 8
 Delta R.T. -0.24 min
 Lab File: BF089434.D
 Acq: 30 Jul 2016 3:41

Tgt Ion: 88 Resp: 62957
 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: 87.07 ng

RT: 5.08 min Scan# 306

Delta R.T. -0.00 min

Lab File: BF089434.D

Acq: 30 Jul 2016 3:41

Instrument :

BNA_F

ClientSampleId :

DUP-03072516

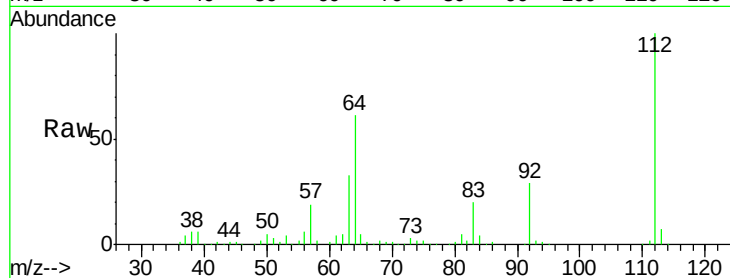
Tgt Ion: 112 Resp: 246523

Ion Ratio Lower Upper

112 100

64 60.9 55.0 82.6

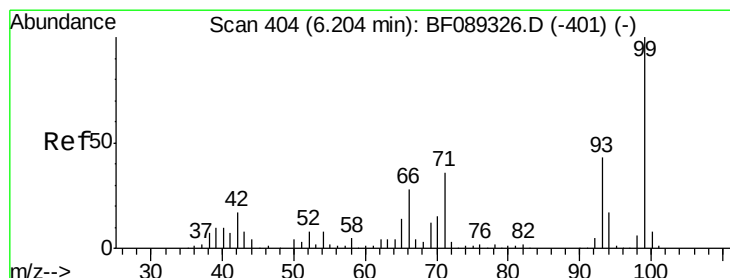
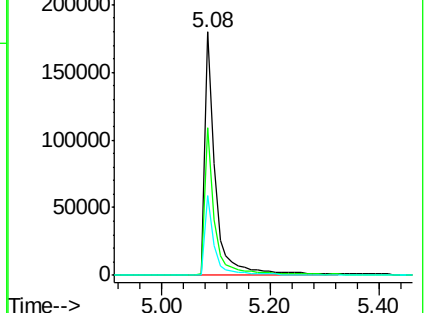
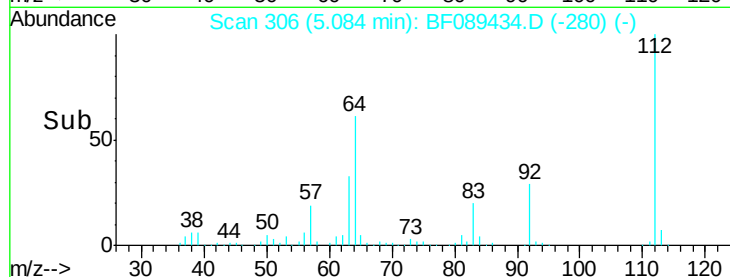
63 32.5 29.4 44.2



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: 66.28 ng

RT: 6.17 min Scan# 401

Delta R.T. -0.01 min

Lab File: BF089434.D

Acq: 30 Jul 2016 3:41

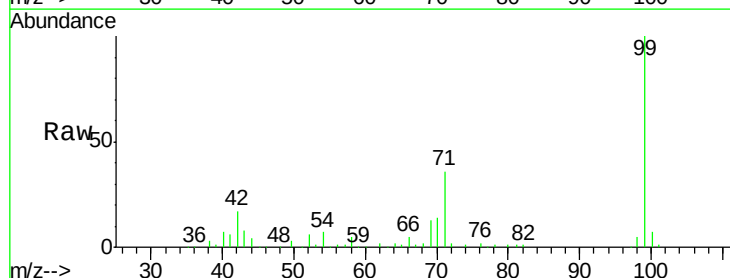
Tgt Ion: 99 Resp: 247982

Ion Ratio Lower Upper

99 100

42 16.8 13.6 20.4

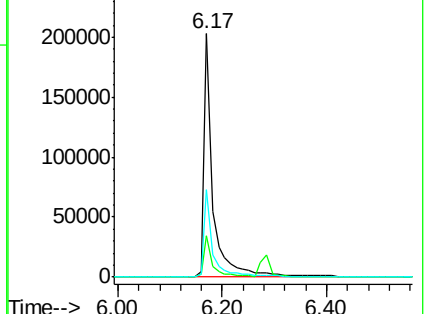
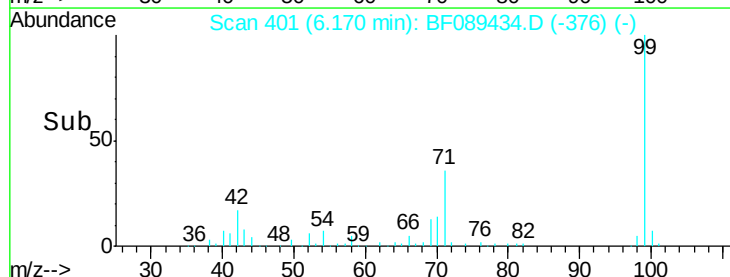
71 36.1 29.4 44.2

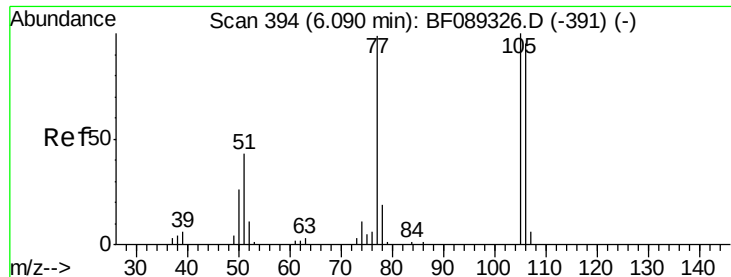


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 4.62 ng

RT: 6.28 min Scan# 411

Delta R.T. 0.23 min

Lab File: BF089434.D

Acq: 30 Jul 2016 3:41

Instrument :

BNA_F

ClientSampleId :

DUP-03072516

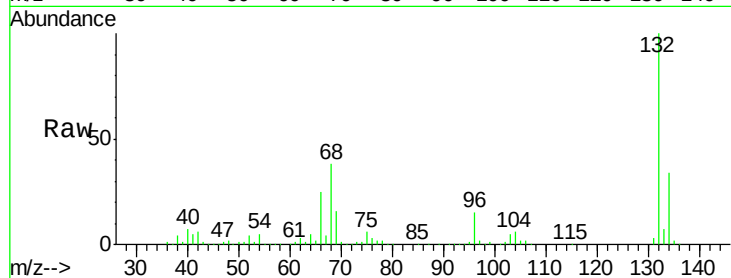
Tgt Ion: 77 Resp: 8444

Ion Ratio Lower Upper

77 100

105 84.3 82.9 122.9

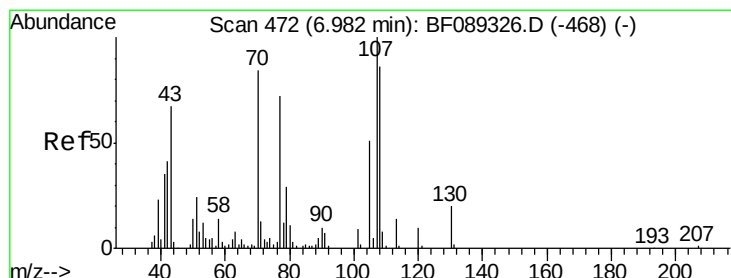
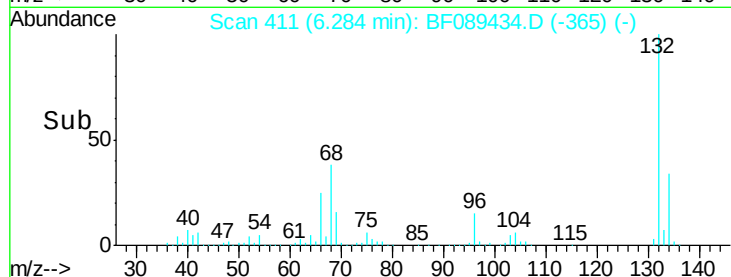
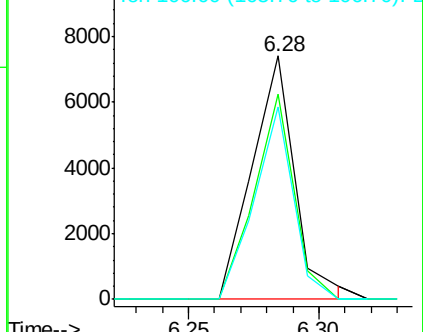
106 79.1 75.9 115.9



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.62 ng

RT: 7.08 min Scan# 481

Delta R.T. 0.14 min

Lab File: BF089434.D

Acq: 30 Jul 2016 3:41

Tgt Ion: 70 Resp: 37504

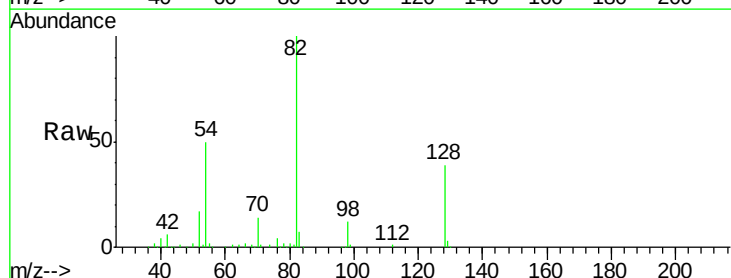
Ion Ratio Lower Upper

70 100

42 46.4 38.6 57.8

101 0.0 8.3 12.5#

130 1.7 19.0 28.4#

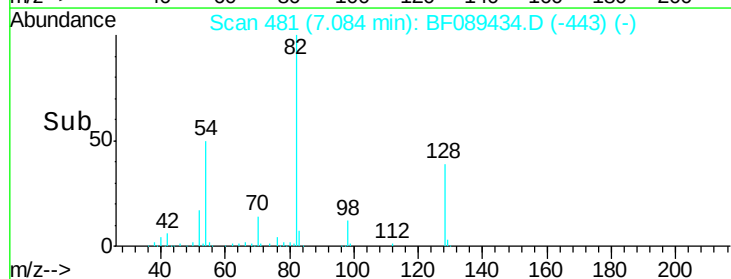
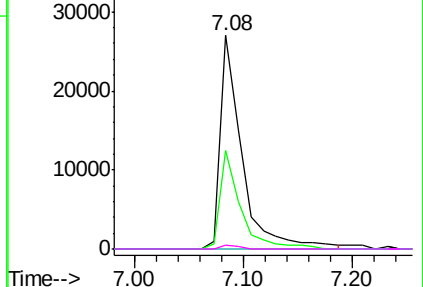


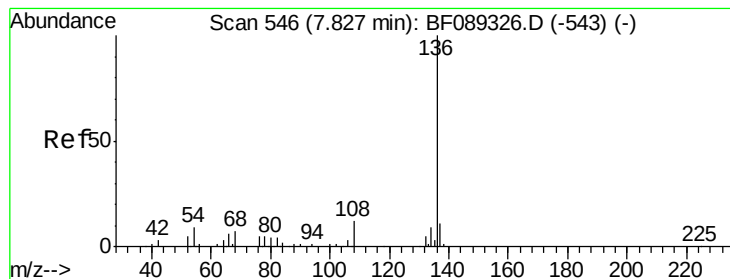
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.80 min Scan# 544

Delta R.T. 0.00 min

Lab File: BF089434.D

Acq: 30 Jul 2016 3:41

Instrument :

BNA_F

ClientSampleId :

DUP-03072516

Tgt Ion: 136 Resp: 181147

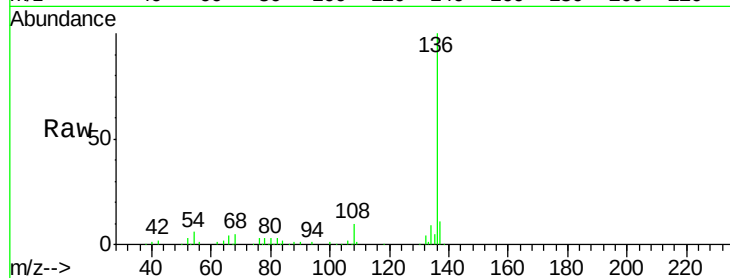
Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

54 5.6 7.0 10.4#

68 4.7 4.9 7.3#

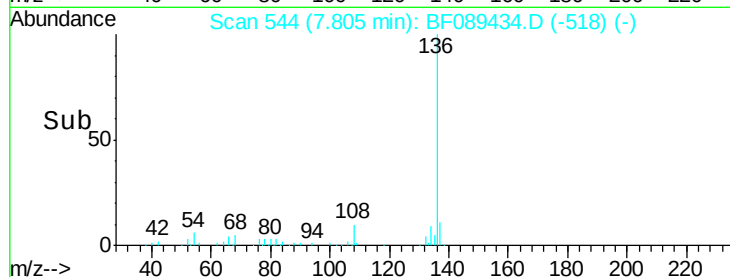


Abundance Ion 136.00 (135.70 to 136.70): E

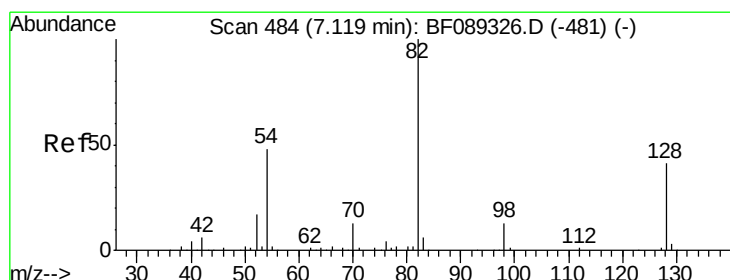
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 95.19 ng

RT: 7.08 min Scan# 481

Delta R.T. -0.01 min

Lab File: BF089434.D

Acq: 30 Jul 2016 3:41

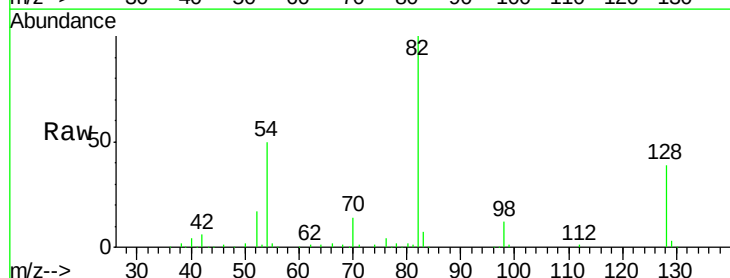
Tgt Ion: 82 Resp: 292128

Ion Ratio Lower Upper

82 100

128 38.9 32.5 48.7

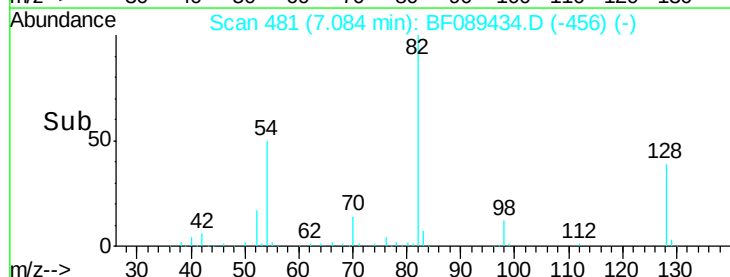
54 50.2 38.8 58.2



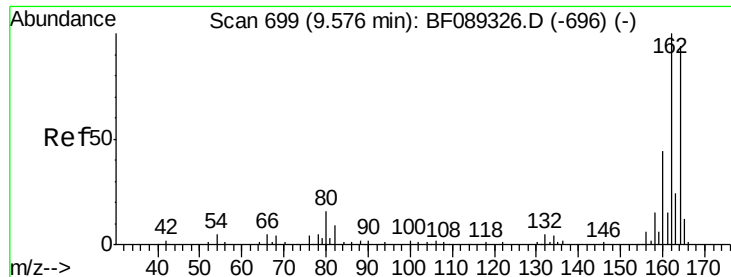
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



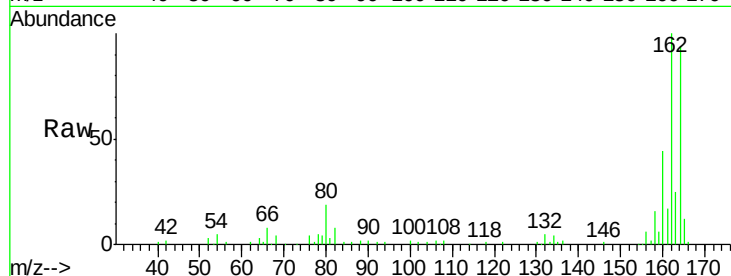
Time-->



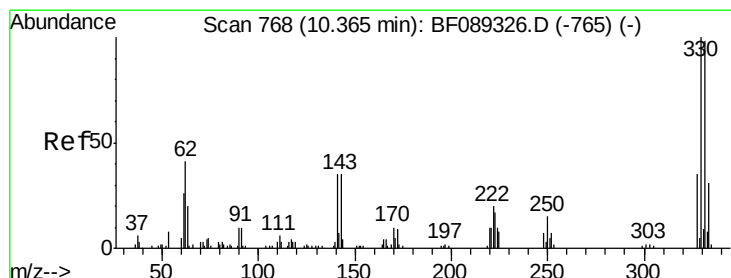
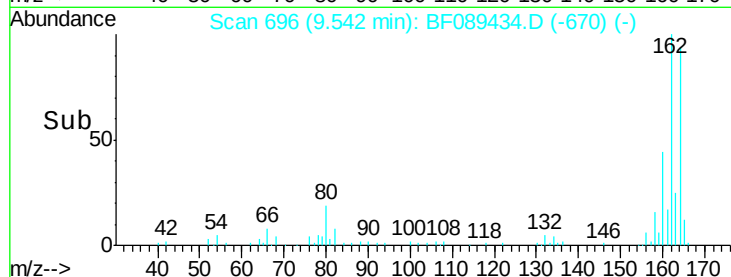
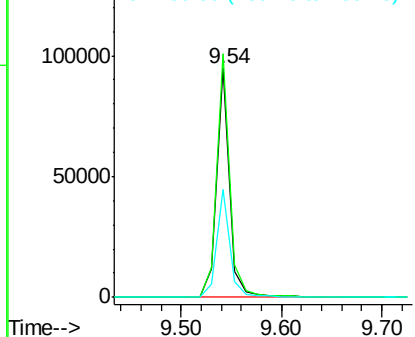
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.54 min Scan# 696
 Delta R.T. -0.00 min
 Lab File: BF089434.D
 Acq: 30 Jul 2016 3:41

Instrument :
 BNA_F
 ClientSampleId :
 DUP-03072516

Tgt Ion:164 Resp: 85080
 Ion Ratio Lower Upper
 164 100
 162 106.3 83.7 125.5
 160 47.2 37.8 56.6

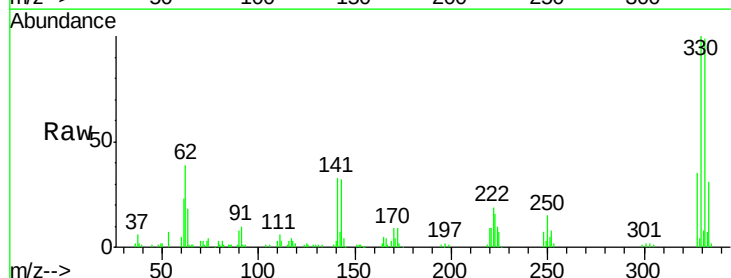


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

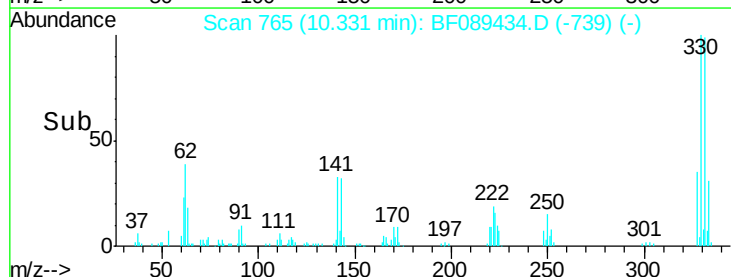
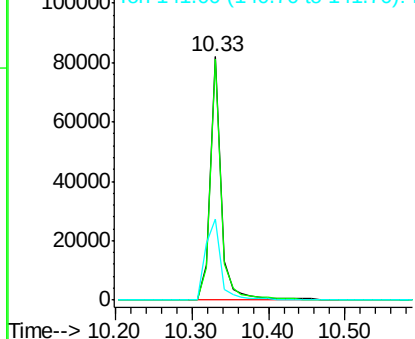


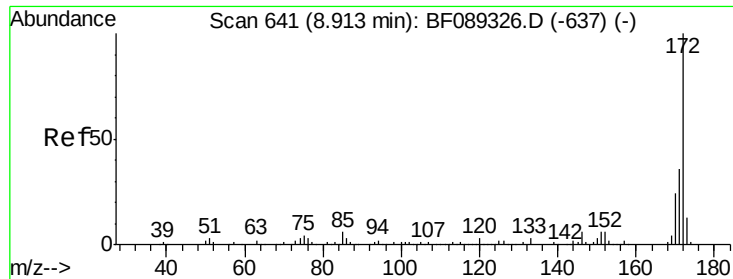
#41
 2,4,6-Tribromophenol
 Concen: 115.56 ng
 RT: 10.33 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: BF089434.D
 Acq: 30 Jul 2016 3:41

Tgt Ion:330 Resp: 81428
 Ion Ratio Lower Upper
 330 100
 332 97.5 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

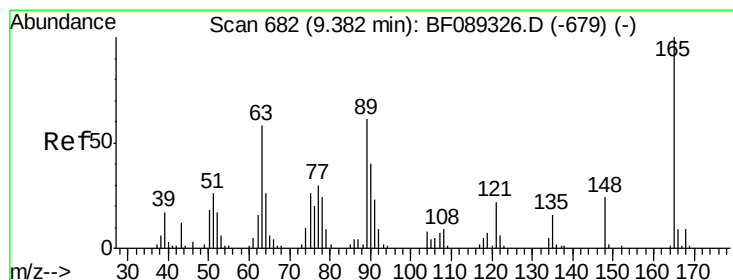
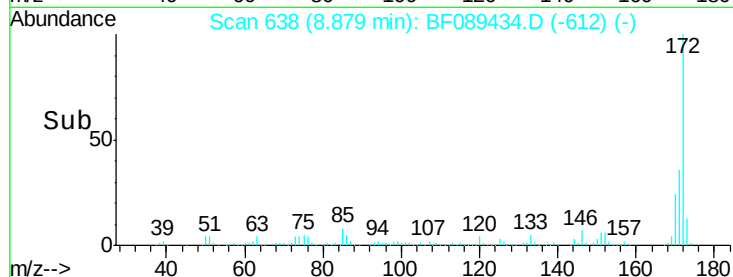
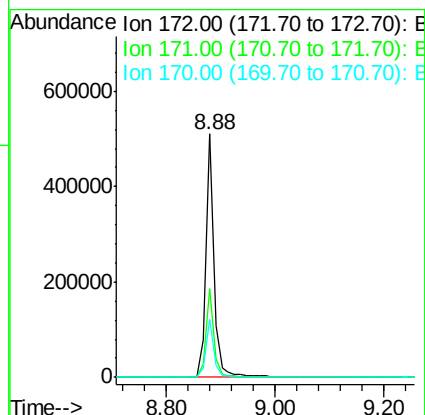
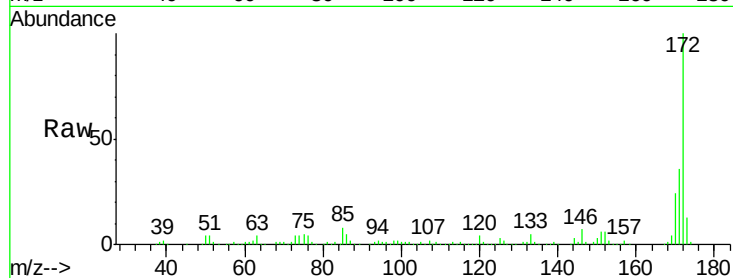




#44
 2-Fluorobiphenyl
 Concen: 91.12 ng
 RT: 8.88 min Scan# 638
 Delta R.T. -0.00 min
 Lab File: BF089434.D
 Acq: 30 Jul 2016 3:41

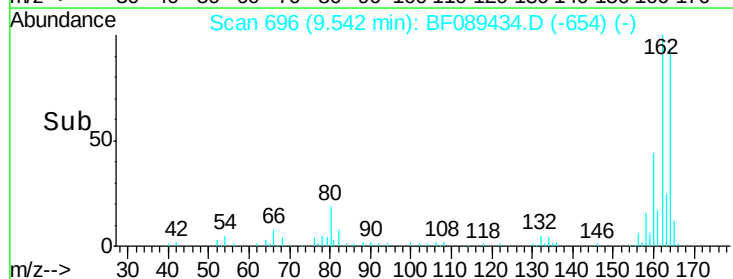
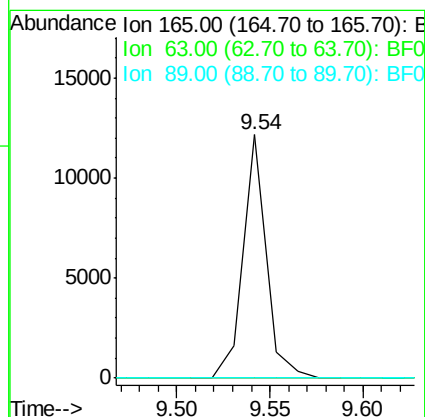
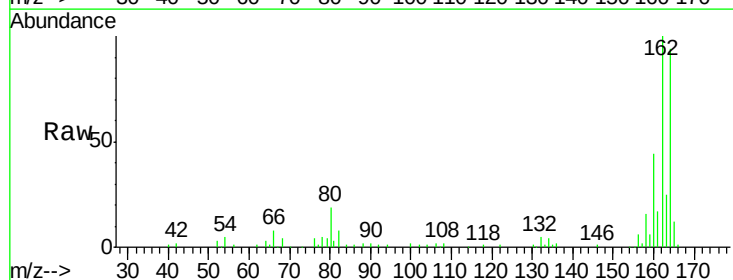
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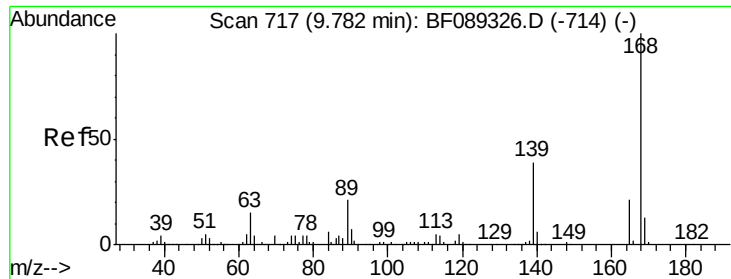
Tgt Ion:172 Resp: 528262
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.2 43.8
 170 24.1 19.2 28.8



#50
 2,6-Dinitrotoluene
 Concen: 7.96 ng
 RT: 9.54 min Scan# 696
 Delta R.T. 0.18 min
 Lab File: BF089434.D
 Acq: 30 Jul 2016 3:41

Tgt Ion:165 Resp: 10596
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.5 65.3#
 89 0.0 45.0 67.4#

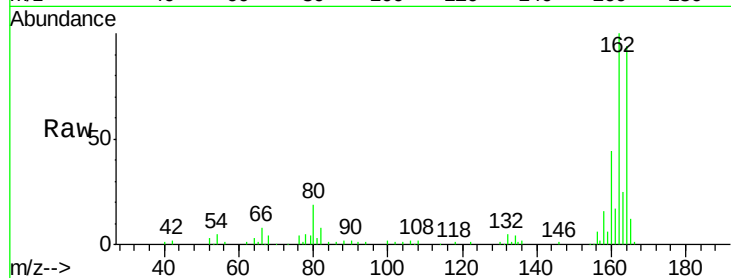




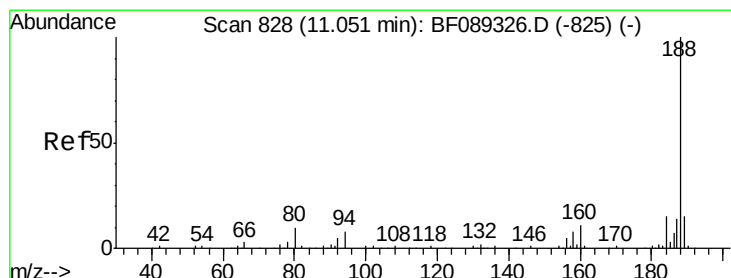
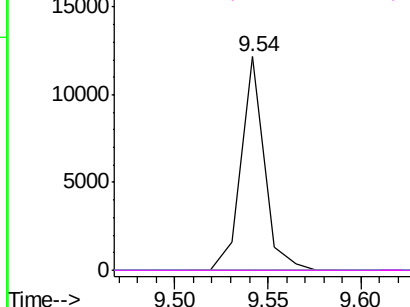
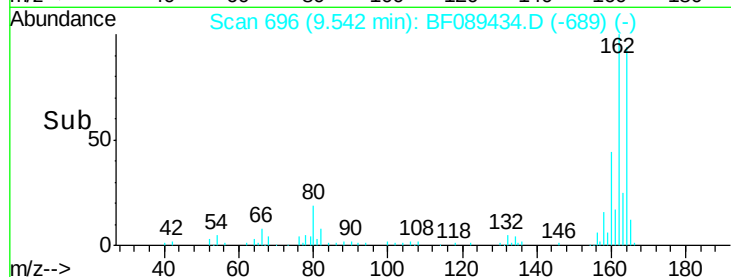
#56
 2,4-Dinitrotoluene
 Concen: 6.05 ng
 RT: 9.54 min Scan# 696
 Delta R.T. -0.22 min
 Lab File: BF089434.D
 Acq: 30 Jul 2016 3:41

Instrument :
 BNA_F
 ClientSampleId :
 DUP-03072516

Tgt Ion:165 Resp: 10596
 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#

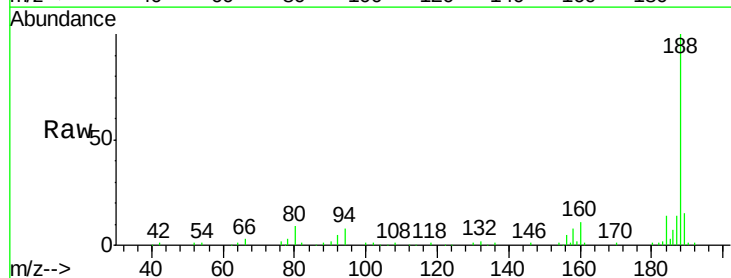


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

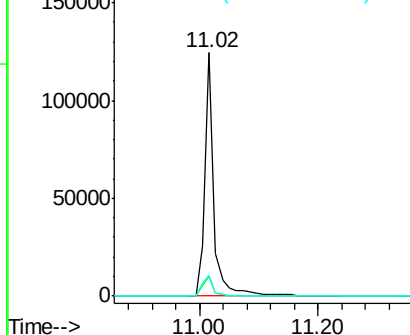
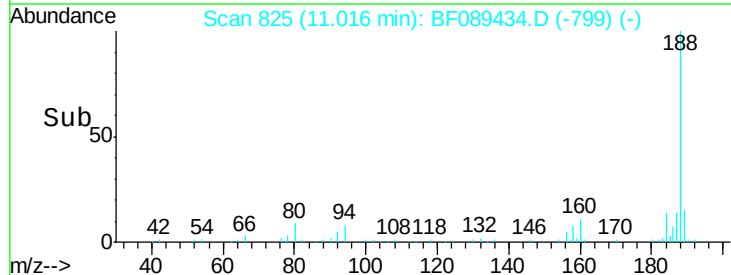


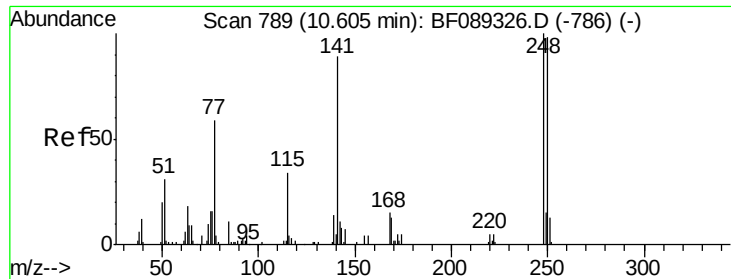
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.02 min Scan# 825
 Delta R.T. -0.00 min
 Lab File: BF089434.D
 Acq: 30 Jul 2016 3:41

Tgt Ion:188 Resp: 137591
 Ion Ratio Lower Upper
 188 100
 94 8.1 6.5 9.7
 80 8.7 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

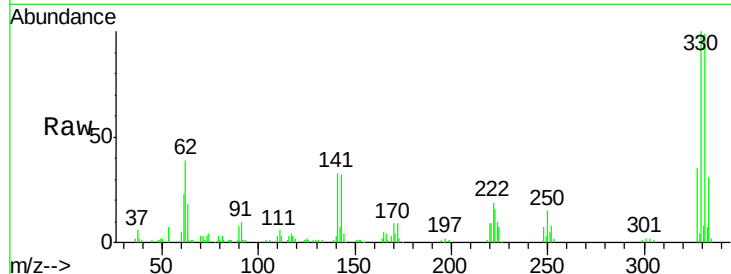




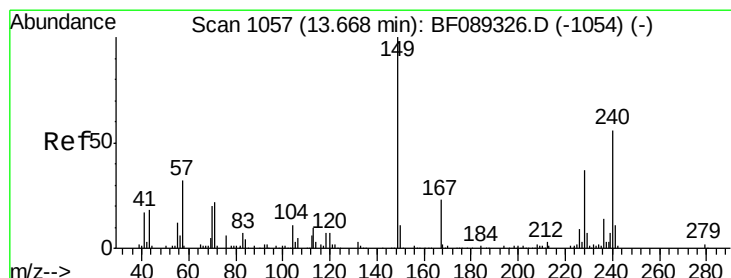
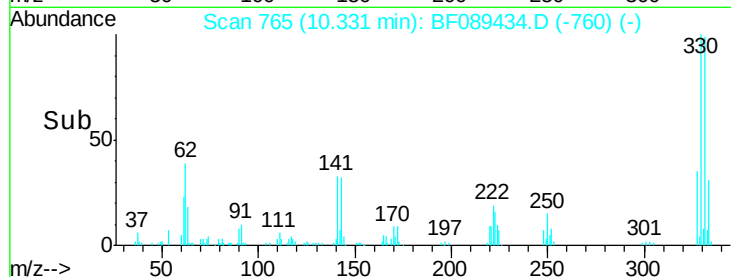
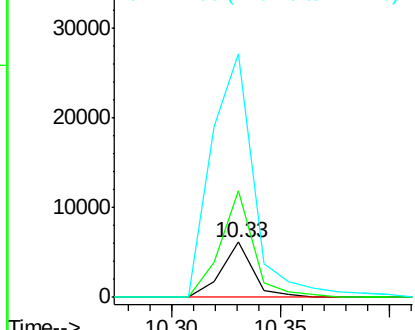
#66
4-Bromophenyl-phenylether
Concen: 4.70 ng
RT: 10.33 min Scan# 765
Delta R.T. -0.24 min
Lab File: BF089434.D
Acq: 30 Jul 2016 3:41

Instrument :
BNA_F
ClientSampleId :
DUP-03072516

Tgt Ion:248 Resp: 6179
Ion Ratio Lower Upper
248 100
250 195.2 78.2 117.2#
141 443.9 62.0 93.0#

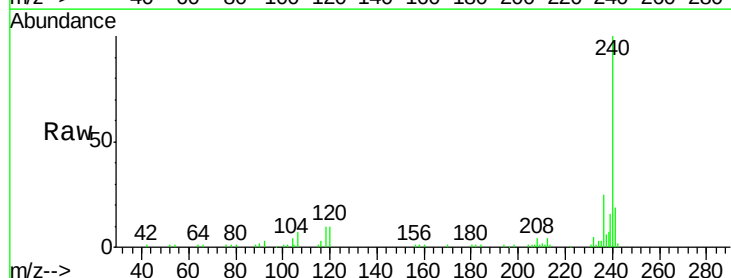


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

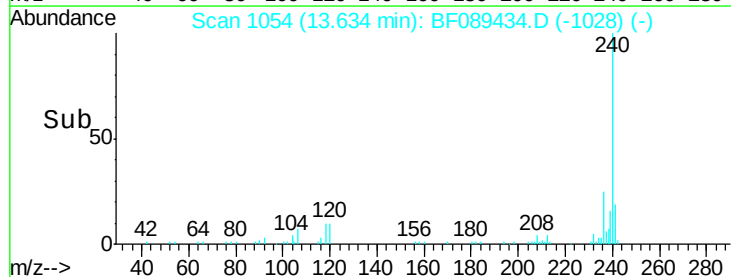
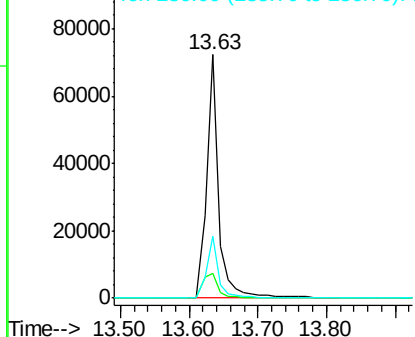


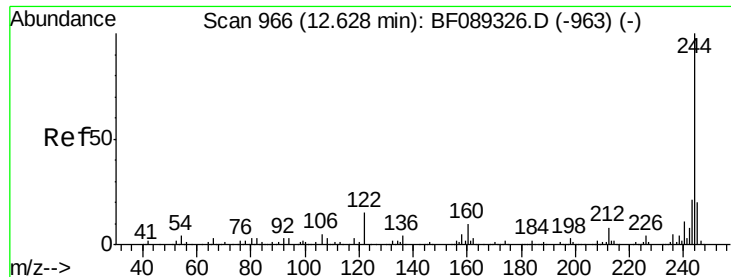
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.63 min Scan# 1054
Delta R.T. -0.00 min
Lab File: BF089434.D
Acq: 30 Jul 2016 3:41

Tgt Ion:240 Resp: 87732
Ion Ratio Lower Upper
240 100
120 10.2 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

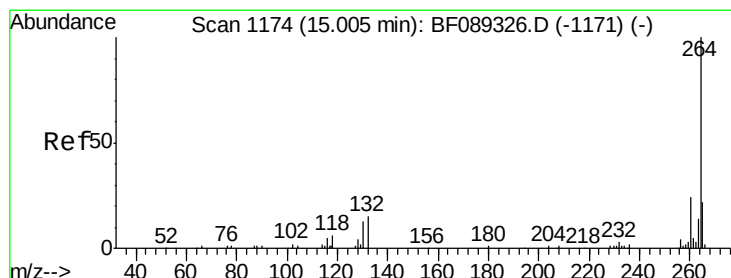
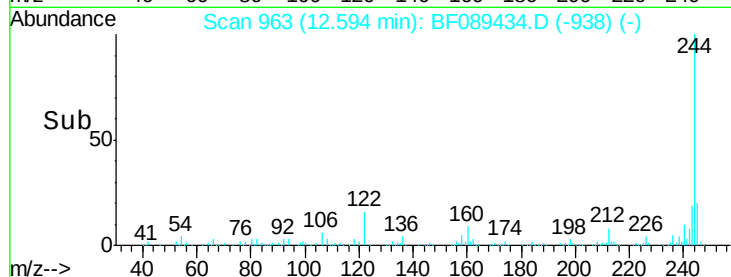
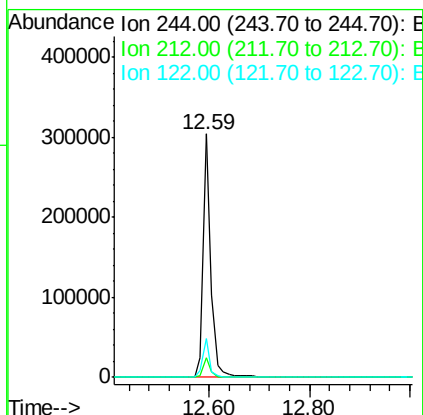
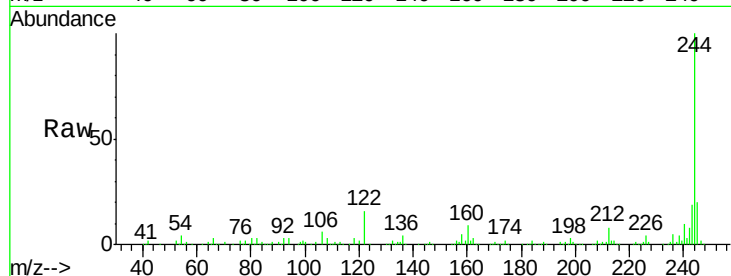




#78
 Terphenyl-d14
 Concen: 86.55 ng
 RT: 12.59 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: BF089434.D
 Acq: 30 Jul 2016 3:41

Instrument :
 BNA_F
 ClientSampleId :
 DUP-03072516

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.5	9.7
122	15.7	11.4	17.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.96 min Scan# 1170
 Delta R.T. -0.01 min
 Lab File: BF089434.D
 Acq: 30 Jul 2016 3:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.4
265	21.1	17.5	26.3

