

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072316\
 Data File : BF089222.D
 Acq On : 23 Jul 2016 7:22
 Operator : UM/SJ
 Sample : H4112-13
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
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Quant Time: Jul 25 01:04:57 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 20 19:03:15 2016
 Response via : Initial Calibration

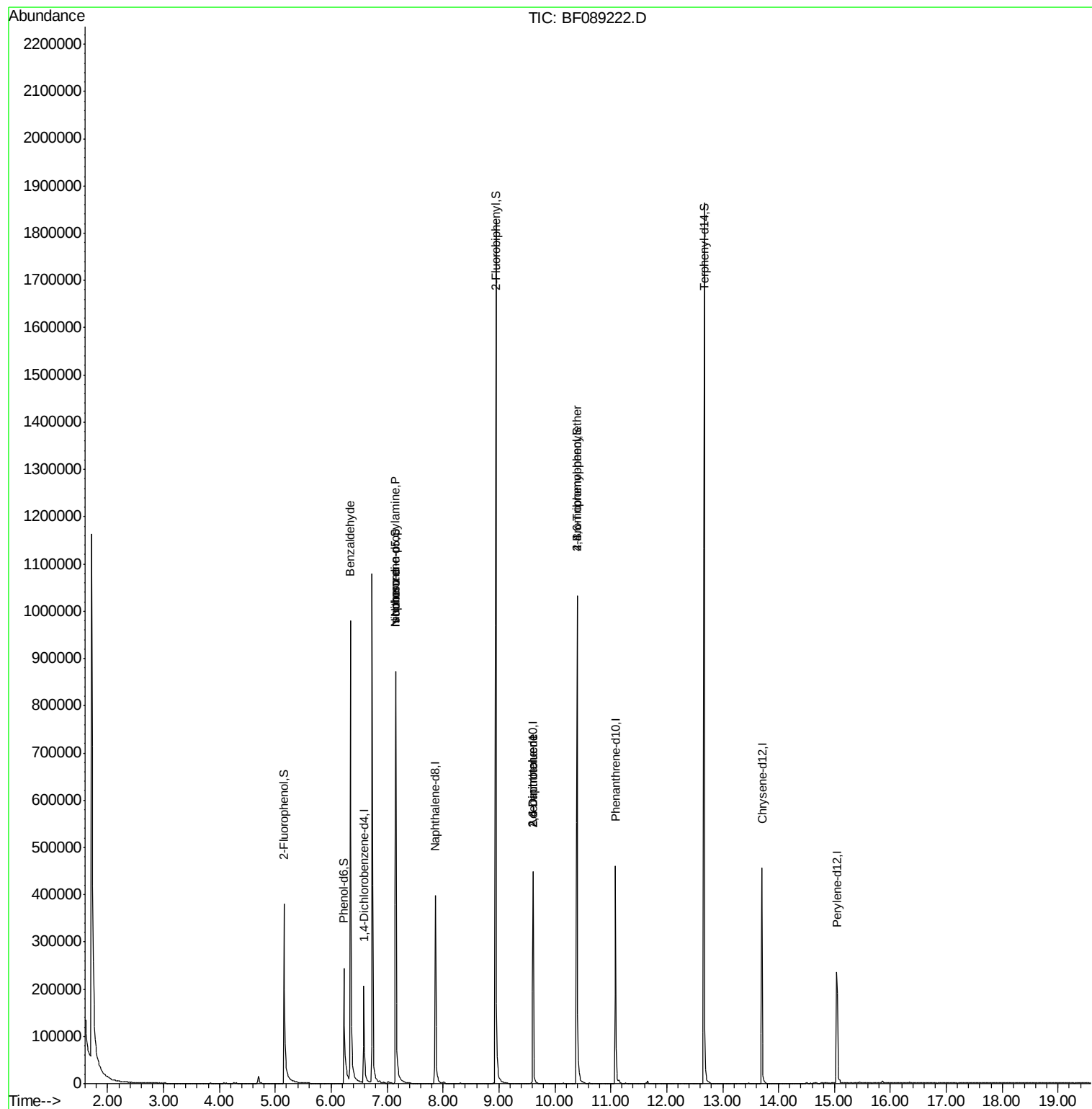
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	51014	20.00	ng	-0.02
21) Naphthalene-d8	7.86	136	227649	20.00	ng	-0.02
38) Acenaphthene-d10	9.61	164	109937	20.00	ng	-0.02
63) Phenanthrene-d10	11.08	188	220252	20.00	ng	-0.02
75) Chrysene-d12	13.70	240	170796	20.00	ng	-0.02
86) Perylene-d12	15.04	264	127034	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	185676	55.36	ng	-0.03
7) Phenol-d6	6.23	99	155517	35.95	ng	-0.05
23) Nitrobenzene-d5	7.15	82	410828	95.89	ng	-0.02
41) 2,4,6-Tribromophenol	10.40	330	141040	142.49	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	758230	95.03	ng	-0.02
78) Terphenyl-d14	12.67	244	731598	92.91	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.34	77	8297	2.64	ng	# 72
19) n-Nitroso-di-n-propylamine	7.15	70	54861	19.39	ng	# 79
25) Isophorone	7.15	82	313779	39.74	ng	# 66
50) 2,6-Dinitrotoluene	9.61	165	12924	6.79	ng	# 28
56) 2,4-Dinitrotoluene	9.61	165	12924	5.27	ng	# 10
66) 4-Bromophenyl-phenylether	10.40	248	11176	5.13	ng	# 1

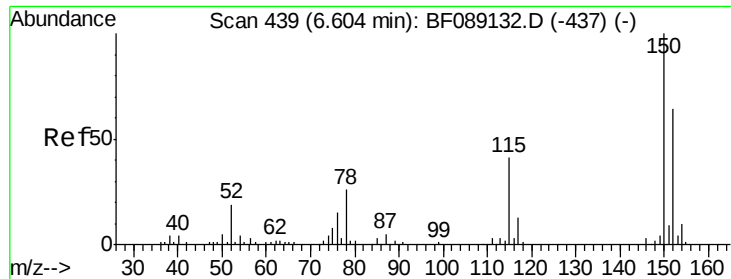
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 20 19:03:15 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.58 min Scan# 437

Delta R.T. -0.02 min

Lab File: BF089222.D

Acq: 23 Jul 2016 7:22

Instrument :

BNA_F

ClientSampleId :

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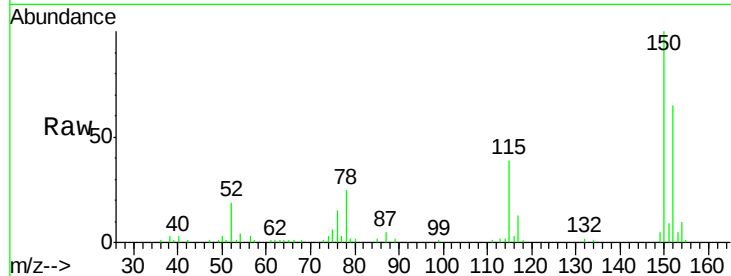
Tgt Ion:152 Resp: 51014

Ion Ratio Lower Upper

152 100

150 154.9 125.1 187.7

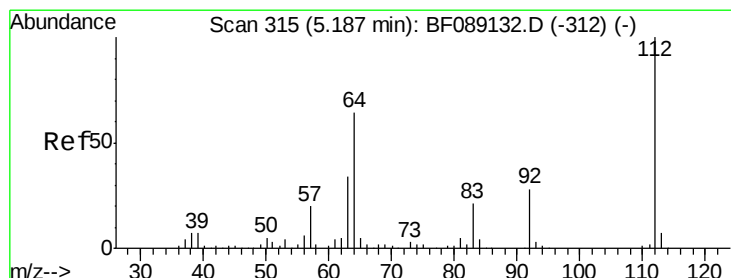
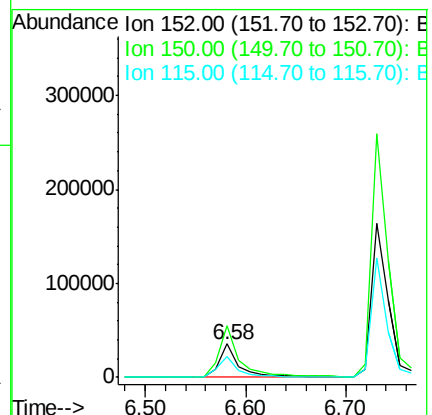
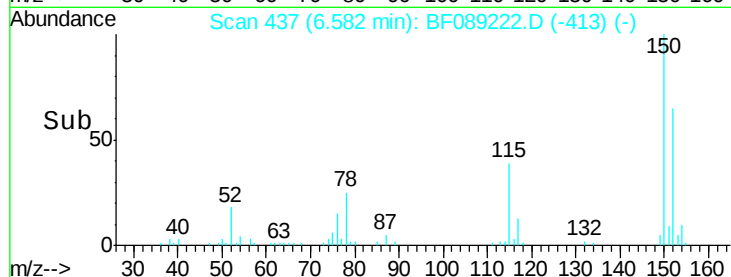
115 61.0 51.1 76.7



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



#5

2-Fluorophenol

Concen: 55.36 ng

RT: 5.15 min Scan# 312

Delta R.T. -0.03 min

Lab File: BF089222.D

Acq: 23 Jul 2016 7:22

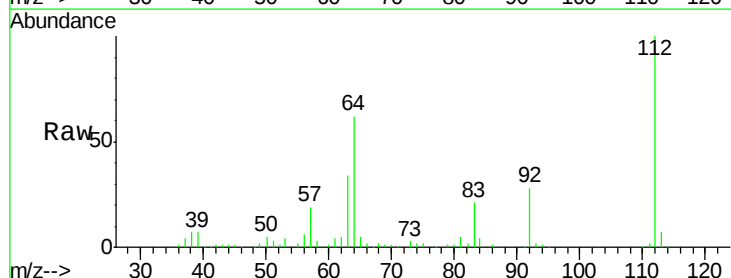
Tgt Ion:112 Resp: 185676

Ion Ratio Lower Upper

112 100

64 62.3 51.0 76.4

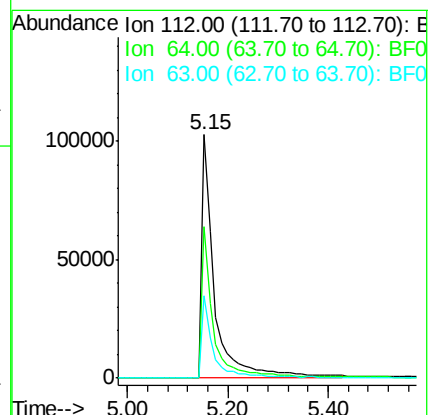
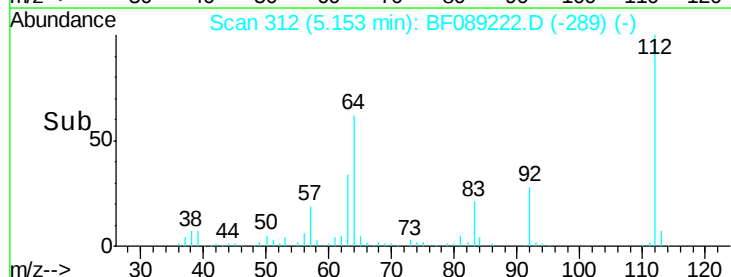
63 33.8 27.3 40.9

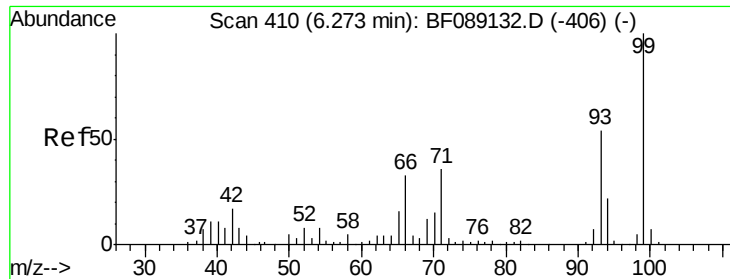


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 35.95 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.05 min

Lab File: BF089222.D

Acq: 23 Jul 2016 7:22

Instrument :

BNA_F

ClientSampleId :

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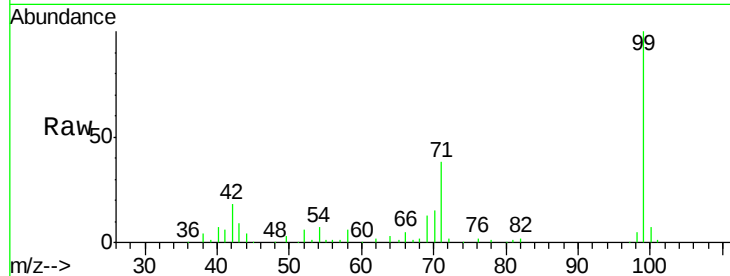
Tgt Ion: 99 Resp: 15517

Ion Ratio Lower Upper

99 100

42 17.9 13.5 20.3

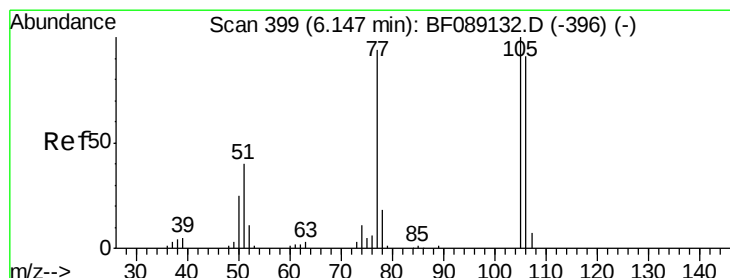
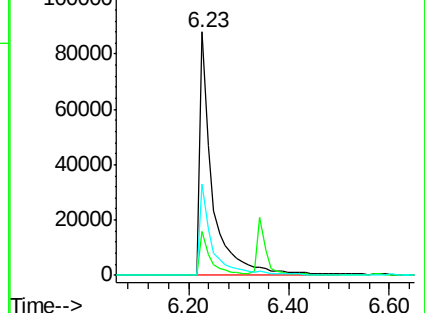
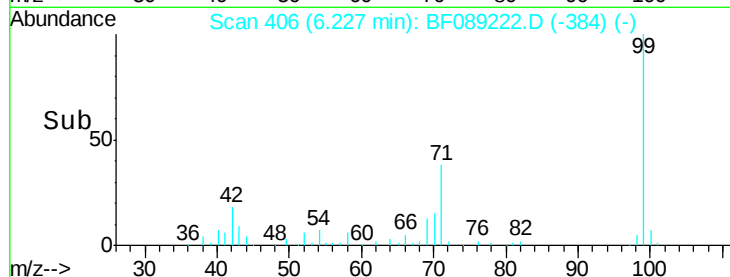
71 37.7 28.9 43.3



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: 2.64 ng

RT: 6.34 min Scan# 416

Delta R.T. 0.19 min

Lab File: BF089222.D

Acq: 23 Jul 2016 7:22

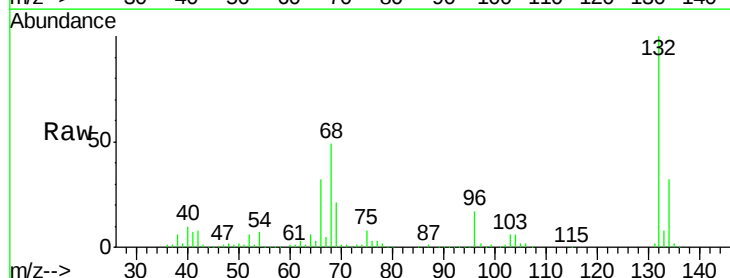
Tgt Ion: 77 Resp: 8297

Ion Ratio Lower Upper

77 100

105 77.4 86.2 126.2#

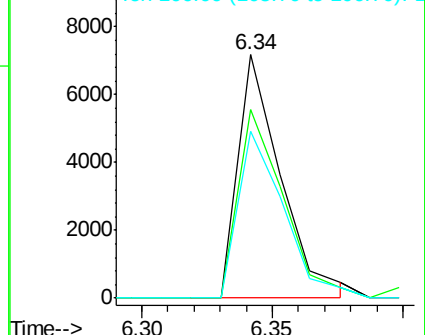
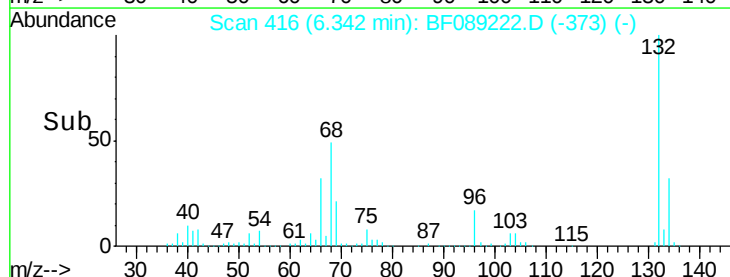
106 68.3 76.3 116.3#

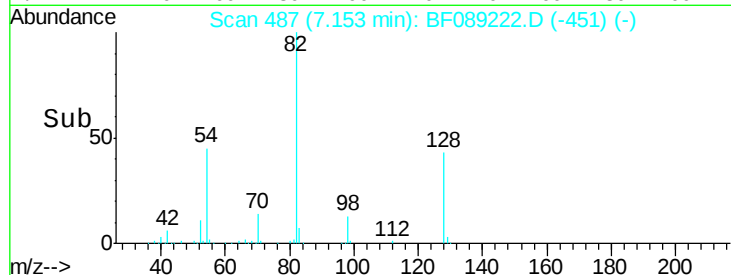
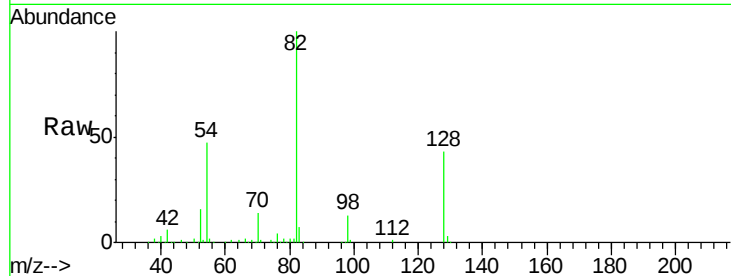
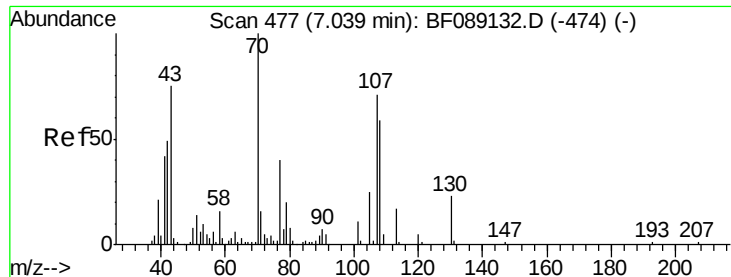


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

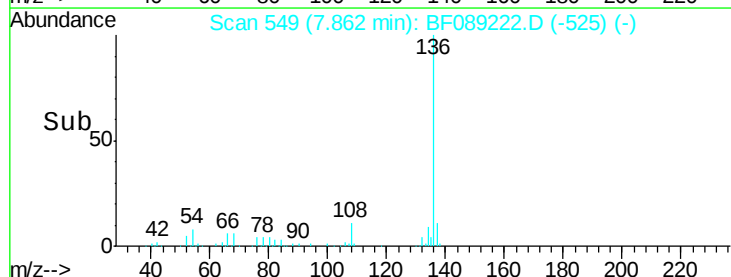
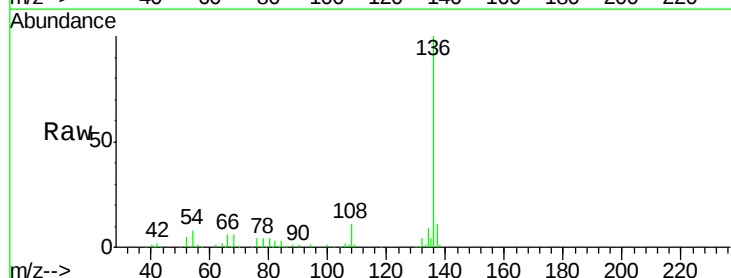
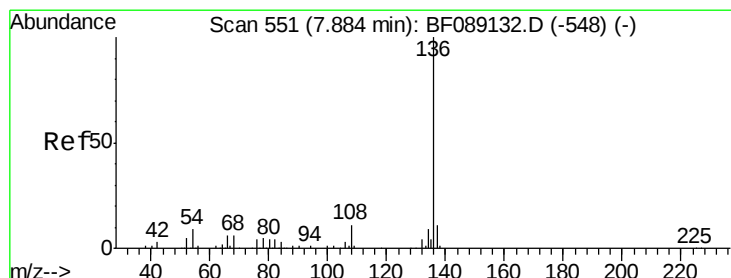
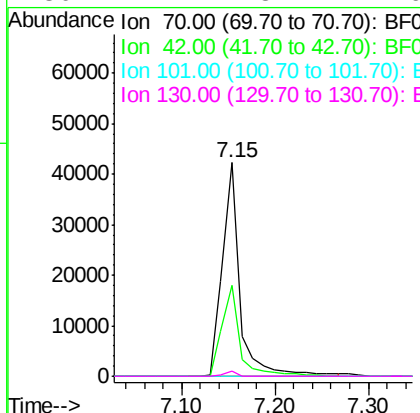




#19
n-Nitroso-di-n-propylamine
Concen: 19.39 ng
RT: 7.15 min Scan# 487
Delta R.T. 0.11 min
Lab File: BF089222.D
Acq: 23 Jul 2016 7:22

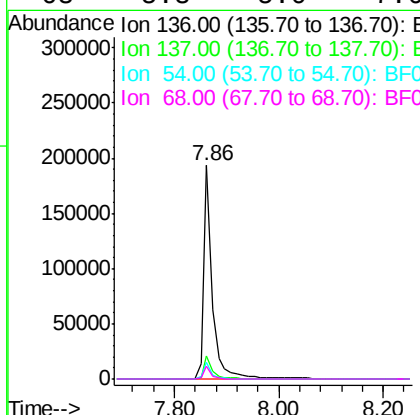
Instrument :
BNA_F
ClientSampleId :
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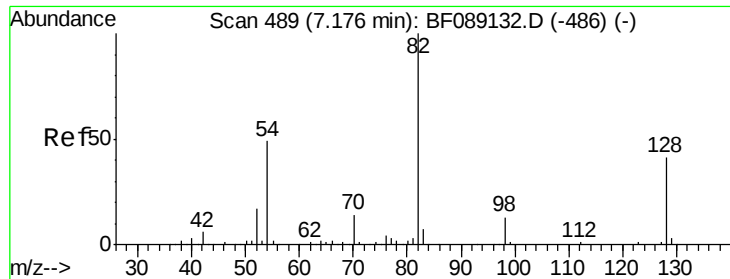
Tgt Ion: 70 Resp: 54861
Ion Ratio Lower Upper
70 100
42 42.7 39.2 58.8
101 0.0 8.5 12.7#
130 2.2 18.4 27.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.86 min Scan# 549
Delta R.T. -0.02 min
Lab File: BF089222.D
Acq: 23 Jul 2016 7:22

Tgt Ion: 136 Resp: 227649
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 7.7 7.0 10.4
68 5.8 5.0 7.6

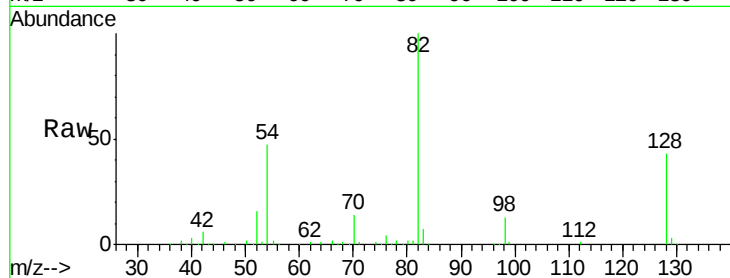




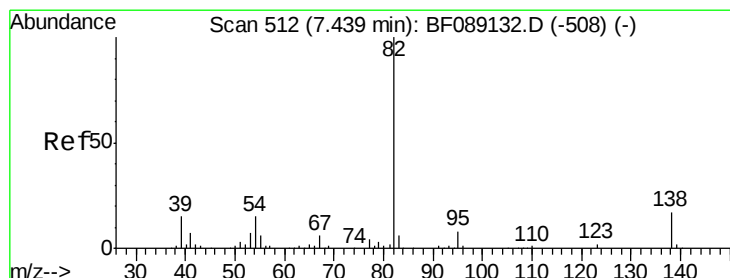
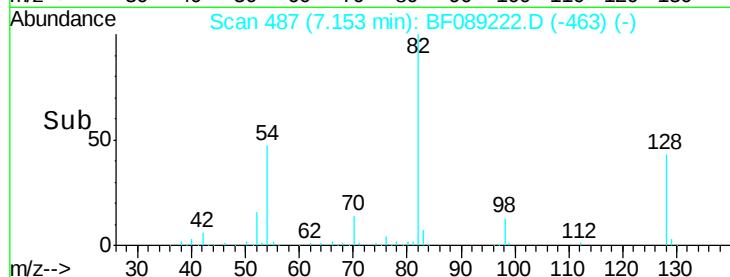
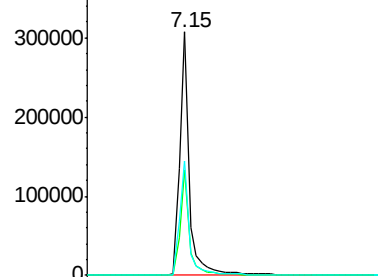
#23
Nitrobenzene-d5
Concen: 95.89 ng
RT: 7.15 min Scan# 487
Delta R.T. -0.02 min
Lab File: BF089222.D
Acq: 23 Jul 2016 7:22

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 82 Resp: 410828
Ion Ratio Lower Upper
82 100
128 43.4 33.0 49.6
54 46.7 39.0 58.4

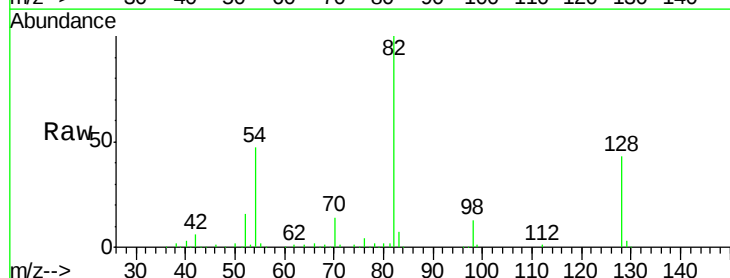


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

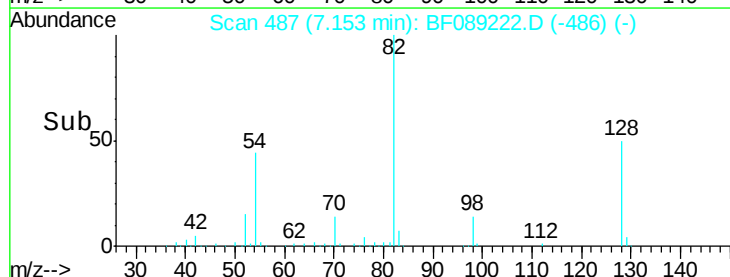
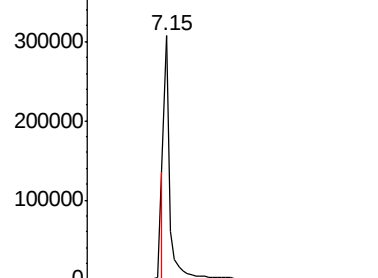


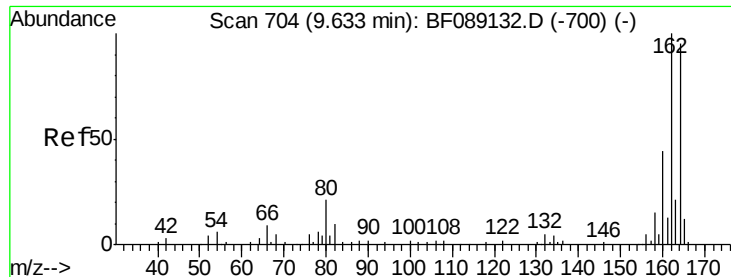
#25
Isophorone
Concen: 39.74 ng
RT: 7.15 min Scan# 487
Delta R.T. -0.29 min
Lab File: BF089222.D
Acq: 23 Jul 2016 7:22

Tgt Ion: 82 Resp: 313779
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

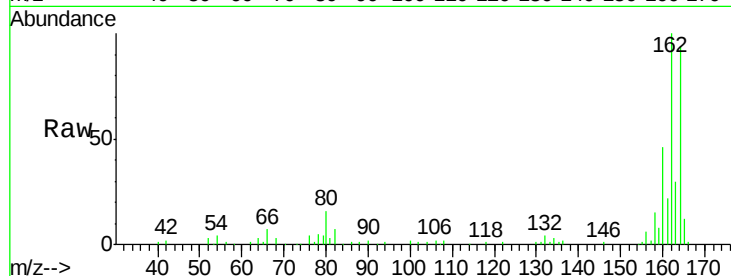




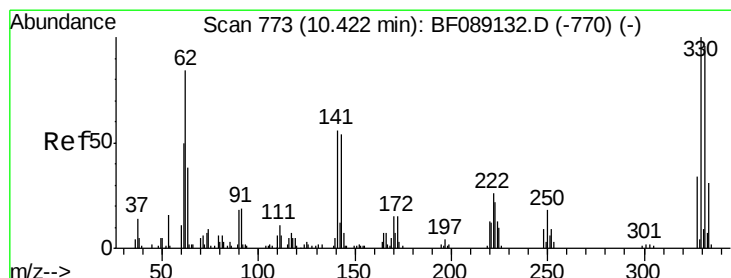
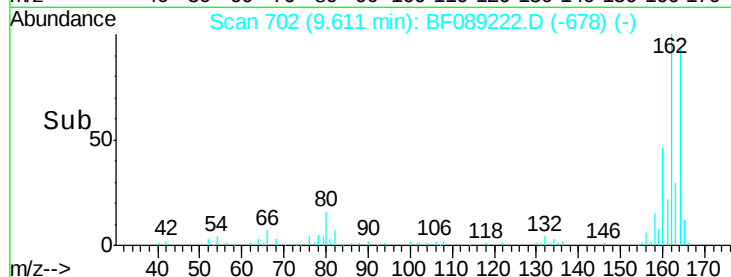
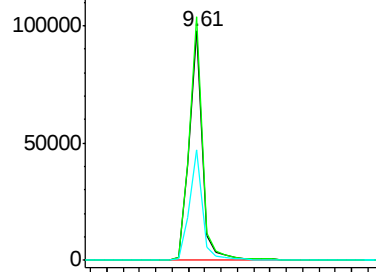
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.61 min Scan# 702
 Delta R.T. -0.02 min
 Lab File: BF089222.D
 Acq: 23 Jul 2016 7:22

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:164 Resp: 109937
 Ion Ratio Lower Upper
 164 100
 162 106.1 84.1 126.1
 160 48.3 37.1 55.7

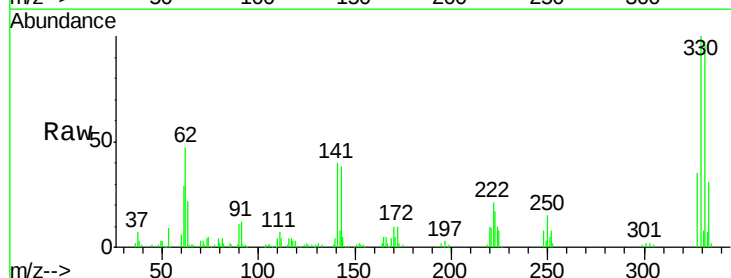


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

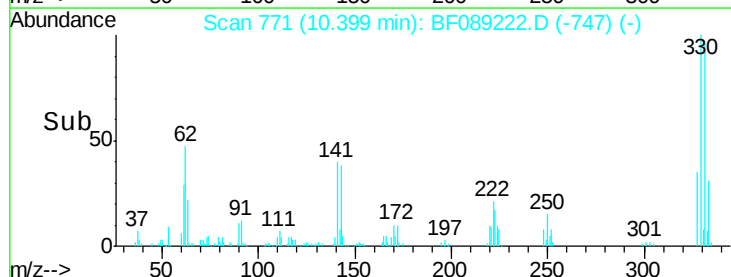
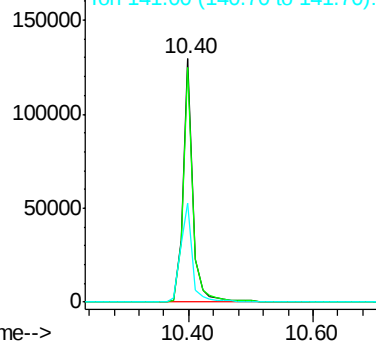


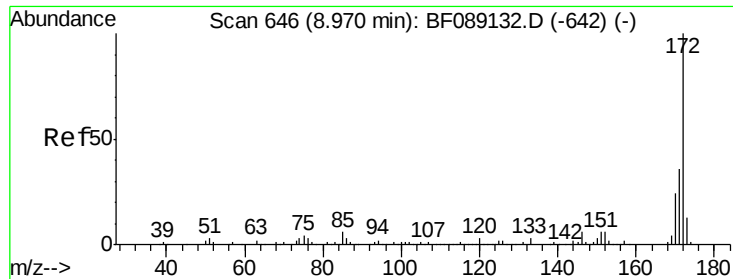
#41
 2,4,6-Tribromophenol
 Concen: 142.49 ng
 RT: 10.40 min Scan# 771
 Delta R.T. -0.02 min
 Lab File: BF089222.D
 Acq: 23 Jul 2016 7:22

Tgt Ion:330 Resp: 141040
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.2 115.8
 141 48.3 42.2 63.2



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

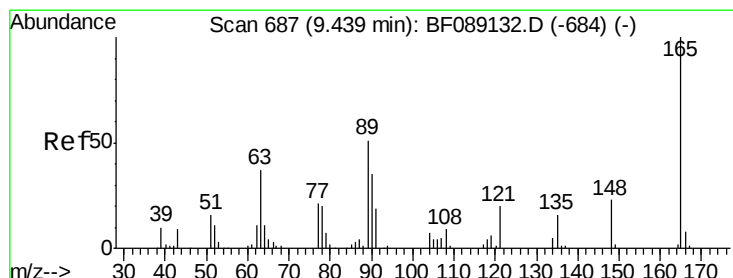
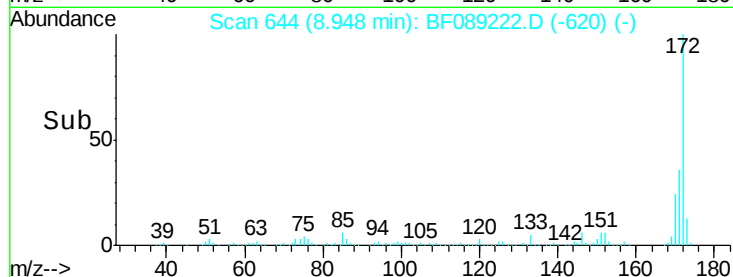
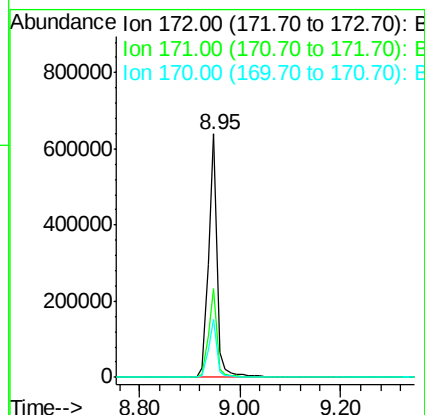
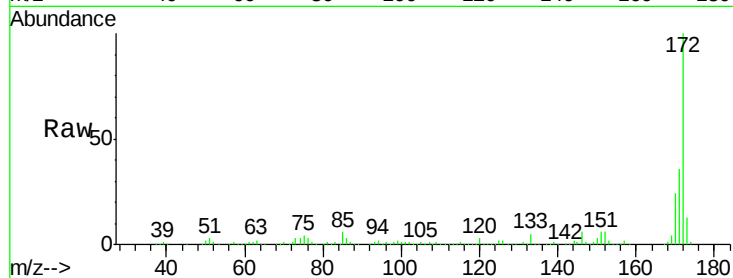




#44
 2-Fluorobiphenyl
 Concen: 95.03 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: BF089222.D
 Acq: 23 Jul 2016 7:22

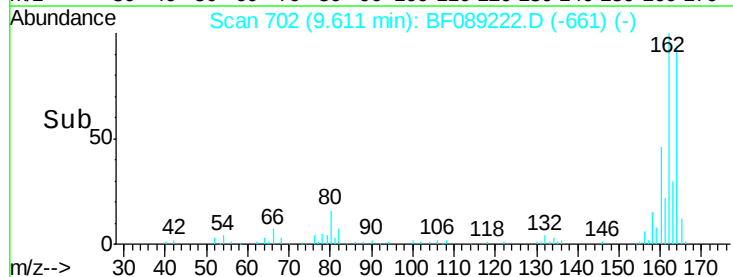
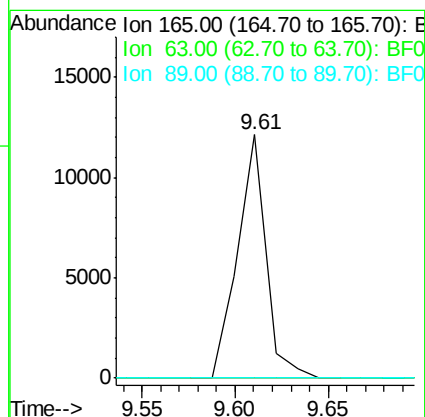
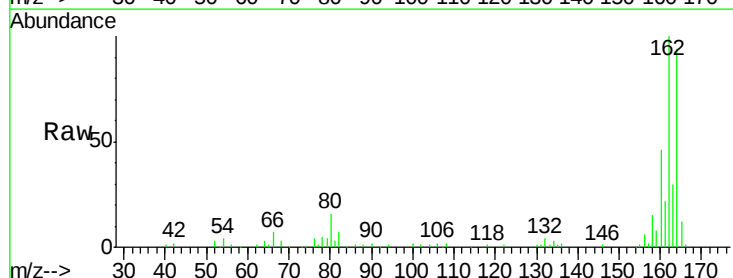
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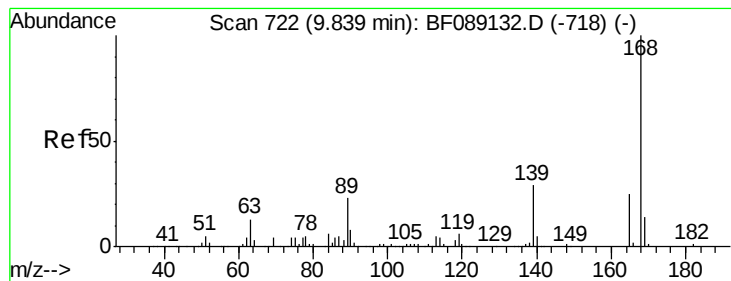
Tgt Ion:172 Resp: 758230
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.2 43.8
 170 23.9 19.1 28.7



#50
 2,6-Dinitrotoluene
 Concen: 6.79 ng
 RT: 9.61 min Scan# 702
 Delta R.T. 0.17 min
 Lab File: BF089222.D
 Acq: 23 Jul 2016 7:22

Tgt Ion:165 Resp: 12924
 Ion Ratio Lower Upper
 165 100
 63 0.0 37.0 55.4#
 89 0.0 40.9 61.3#





#56

2,4-Dinitrotoluene

Concen: 5.27 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.23 min

Lab File: BF089222.D

Acq: 23 Jul 2016 7:22

Instrument :

BNA_F

ClientSampleId :

FIELDBLANK

Tgt Ion:165 Resp: 12924

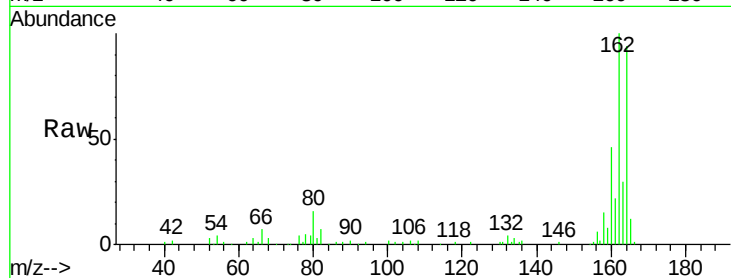
Ion Ratio Lower Upper

165 100

63 0.0 55.4 83.2#

89 0.0 74.3 111.5#

182 0.0 2.0 3.0#

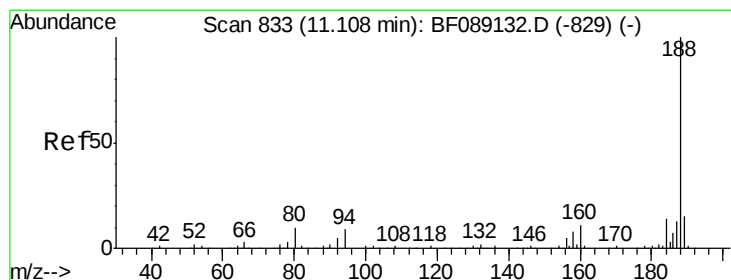
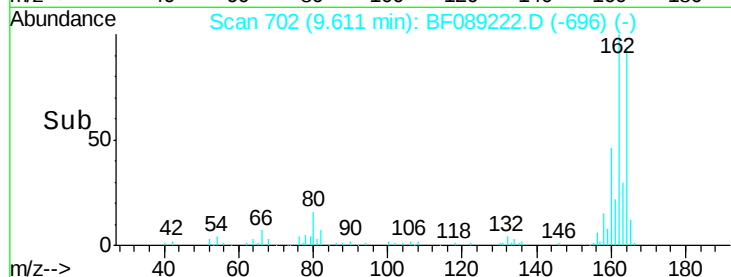
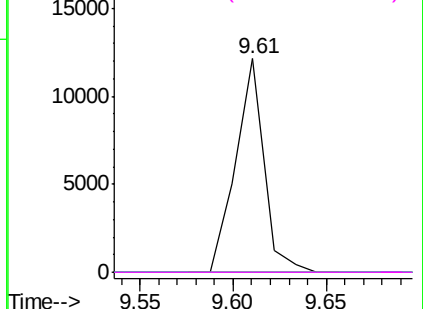


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.08 min Scan# 831

Delta R.T. -0.02 min

Lab File: BF089222.D

Acq: 23 Jul 2016 7:22

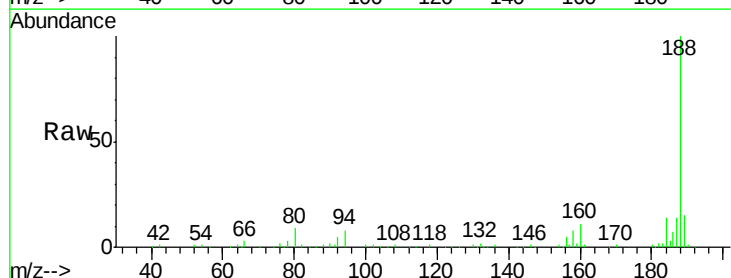
Tgt Ion:188 Resp: 220252

Ion Ratio Lower Upper

188 100

94 7.7 7.0 10.4

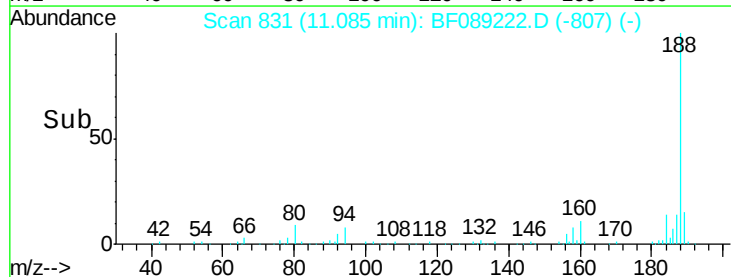
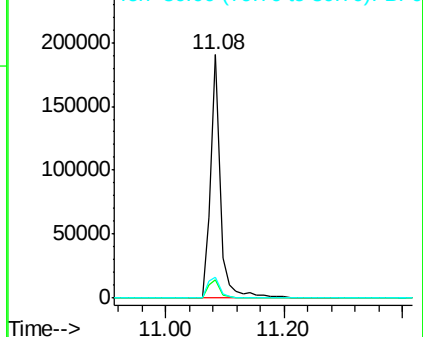
80 8.8 7.7 11.5

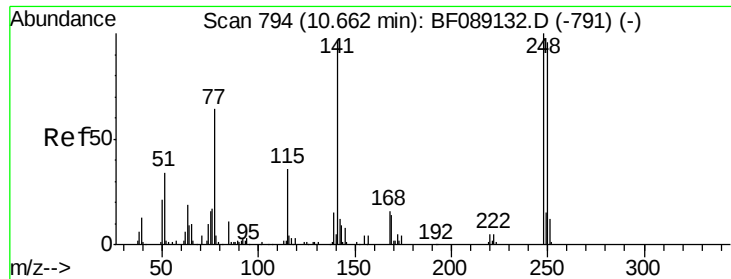


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

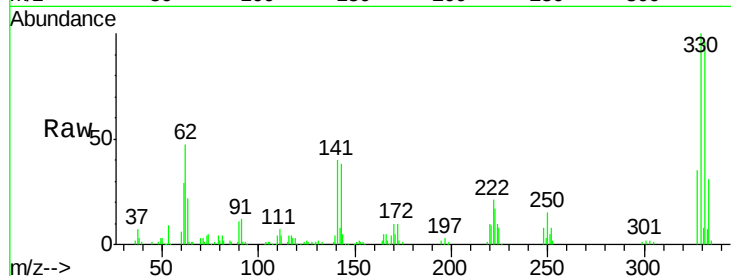




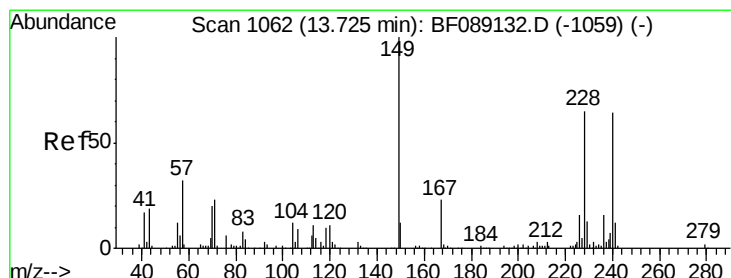
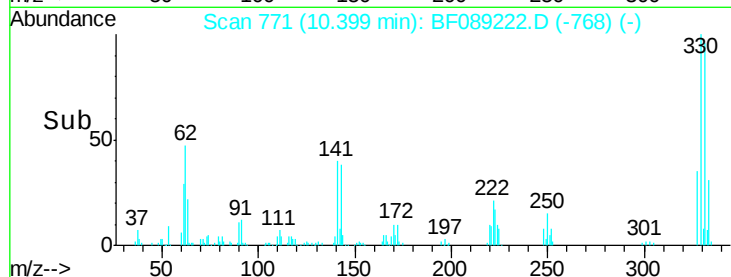
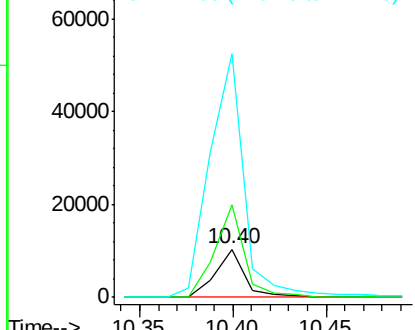
#66
4-Bromophenyl-phenylether
Concen: 5.13 ng
RT: 10.40 min Scan# 771
Delta R.T. -0.26 min
Lab File: BF089222.D
Acq: 23 Jul 2016 7:22

Instrument :
BNA_F
ClientSampleId :
FIELDBLANK

Tgt Ion:248 Resp: 11176
Ion Ratio Lower Upper
248 100
250 191.6 76.9 115.3#
141 503.8 77.4 116.2#

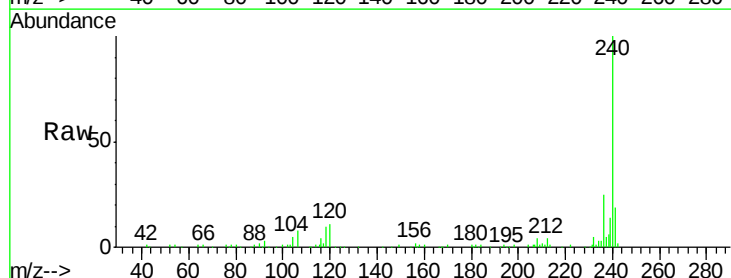


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

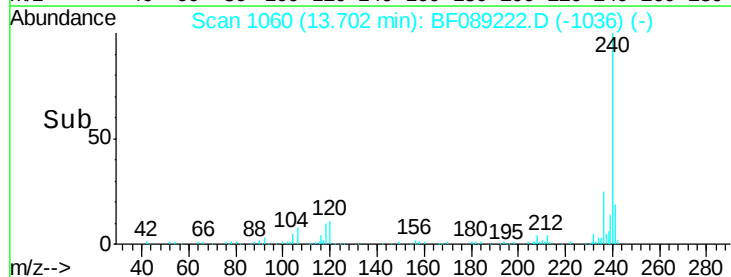
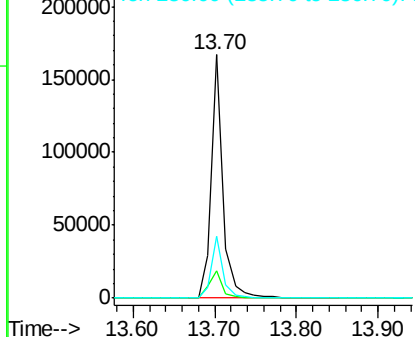


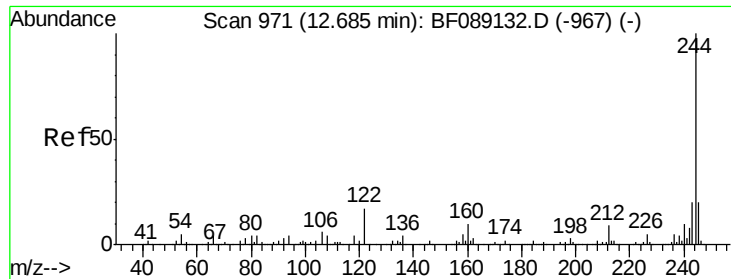
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.70 min Scan# 1060
Delta R.T. -0.02 min
Lab File: BF089222.D
Acq: 23 Jul 2016 7:22

Tgt Ion:240 Resp: 170796
Ion Ratio Lower Upper
240 100
120 11.1 13.6 20.4#
236 25.3 20.5 30.7



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

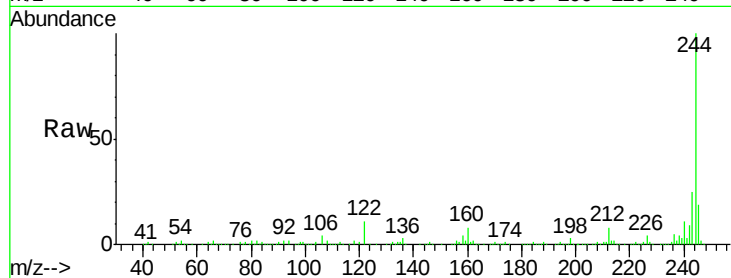




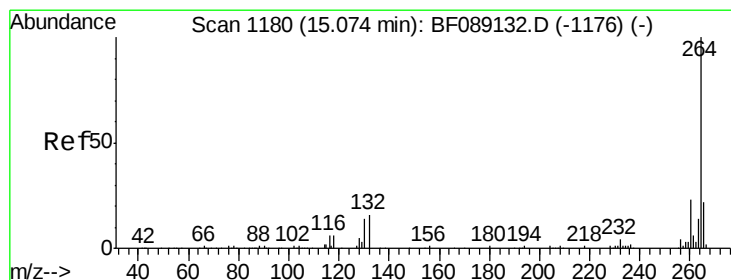
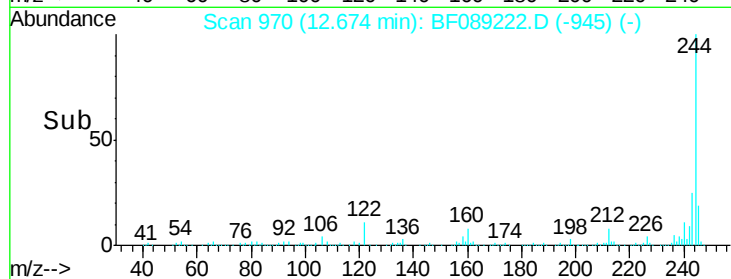
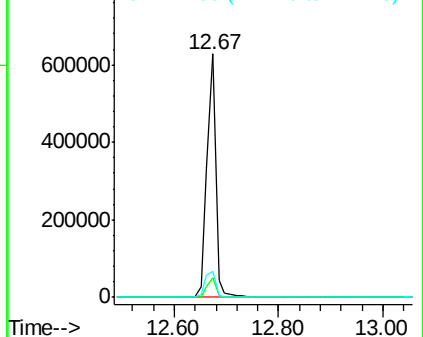
#78
 Terphenyl-d14
 Concen: 92.91 ng
 RT: 12.67 min Scan# 970
 Delta R.T. -0.01 min
 Lab File: BF089222.D
 Acq: 23 Jul 2016 7:22

Instrument :
 BNA_F
 ClientSampleId :
 FIELDBLANK

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.8	7.0	10.4
122	10.7	13.8	20.8#

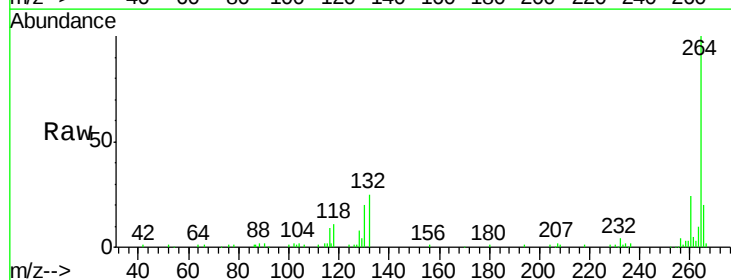


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.04 min Scan# 1177
 Delta R.T. -0.03 min
 Lab File: BF089222.D
 Acq: 23 Jul 2016 7:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.5	27.7
265	20.2	17.3	25.9



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

