

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082416\
 Data File : BF089890.D
 Acq On : 24 Aug 2016 22:13
 Operator : UM/SJ
 Sample : H4576-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-15A-(18-20)MSD

Quant Time: Aug 25 12:22:36 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 19 14:02:57 2016
 Response via : Initial Calibration

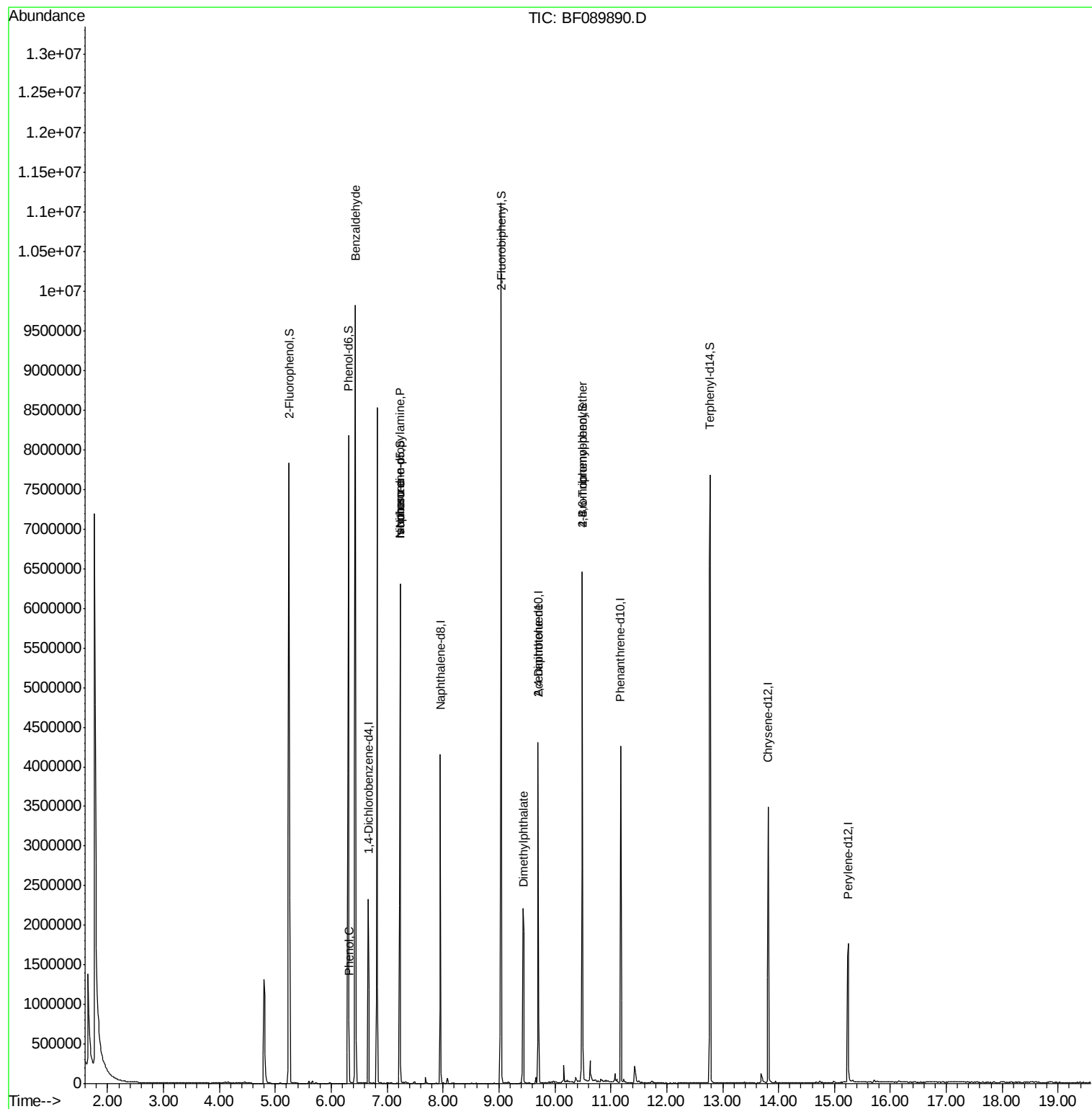
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	427595	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	1852823	20.00	ng	-0.02
38) Acenaphthene-d10	9.70	164	832096	20.00	ng	-0.01
63) Phenanthrene-d10	11.18	188	1511786	20.00	ng	-0.01
75) Chrysene-d12	13.82	240	1279788	20.00	ng	-0.06
86) Perylene-d12	15.25	264	977765	20.00	ng	-0.13
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	2990252	119.93	ng	-0.01
7) Phenol-d6	6.31	99	3466636	113.26	ng	-0.01
23) Nitrobenzene-d5	7.23	82	2189097	73.40	ng	-0.02
41) 2,4,6-Tribromophenol	10.49	330	845426	106.91	ng	-0.01
44) 2-Fluorobiphenyl	9.04	172	4027024	85.06	ng	-0.01
78) Terphenyl-d14	12.78	244	3313988	58.58	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.43	77	67629	3.39	ng	87
10) Phenol	6.32	94	123157	3.43	ng	76
19) n-Nitroso-di-n-propylamine	7.23	70	294170	15.03	ng	# 71
25) Isophorone	7.23	82	1609914	26.76	ng	# 67
49) Dimethylphthalate	9.44	163	1426521	24.35	ng	# 98
56) 2,4-Dinitrotoluene	9.70	165	110827	6.31	ng	# 35
66) 4-Bromophenyl-phenylether	10.49	248	54220	3.42	ng	# 1

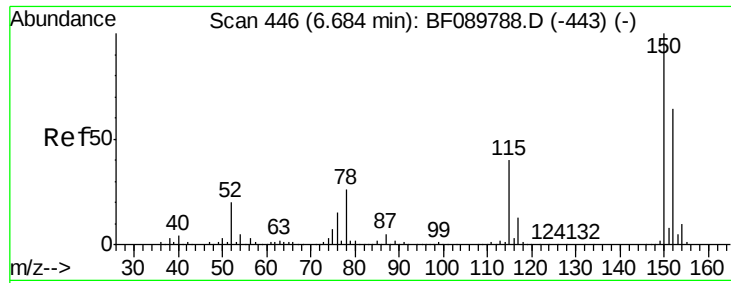
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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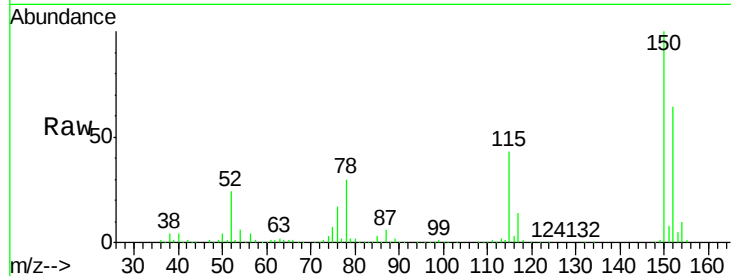




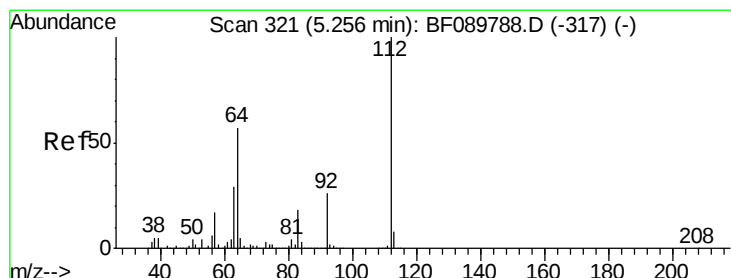
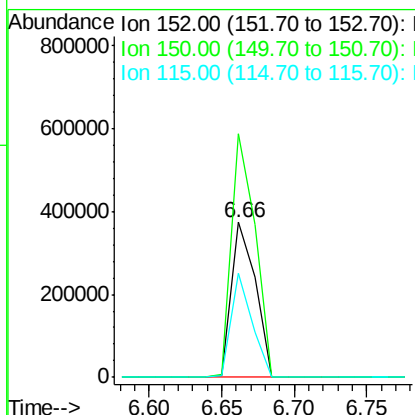
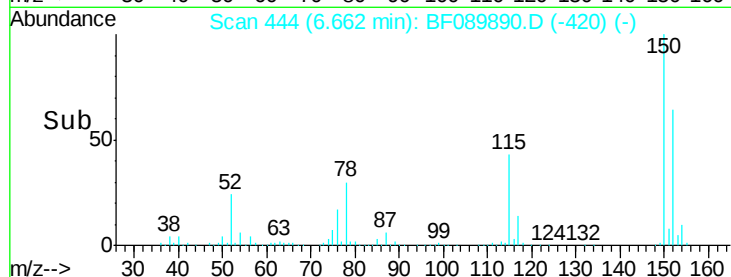
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.66 min Scan# 444
 Delta R.T. -0.02 min
 Lab File: BF089890.D
 Acq: 24 Aug 2016 22:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-15A-(18-20)MSD

Tgt Ion:152 Resp: 427595
 Ion Ratio Lower Upper
 152 100
 150 157.0 125.3 187.9
 115 67.3 40.9 61.3#

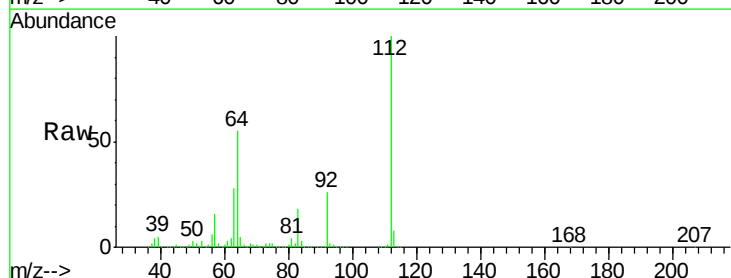


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

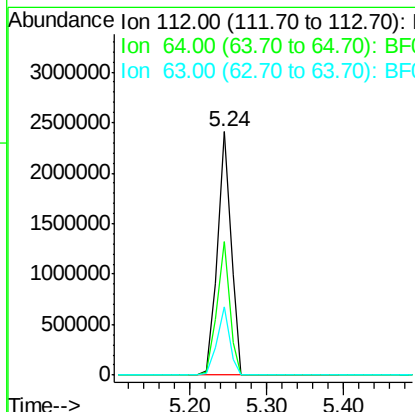
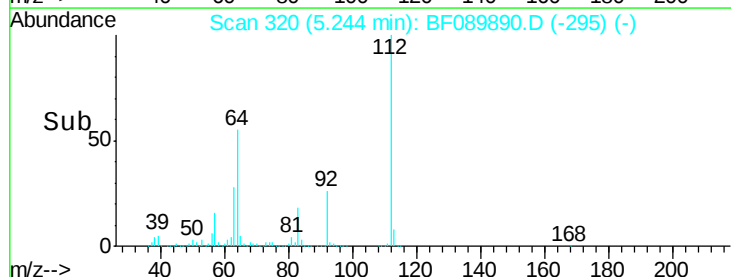


#5
 2-Fluorophenol
 Concen: 119.93 ng
 RT: 5.24 min Scan# 320
 Delta R.T. -0.01 min
 Lab File: BF089890.D
 Acq: 24 Aug 2016 22:13

Tgt Ion:112 Resp: 2990252
 Ion Ratio Lower Upper
 112 100
 64 54.7 45.0 67.4
 63 27.8 23.1 34.7



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: 113.26 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.01 min

Lab File: BF089890.D

Acq: 24 Aug 2016 22:13

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

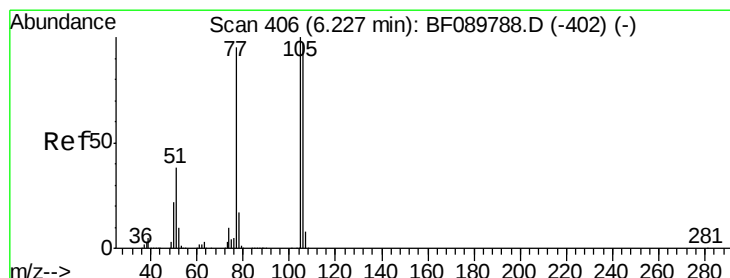
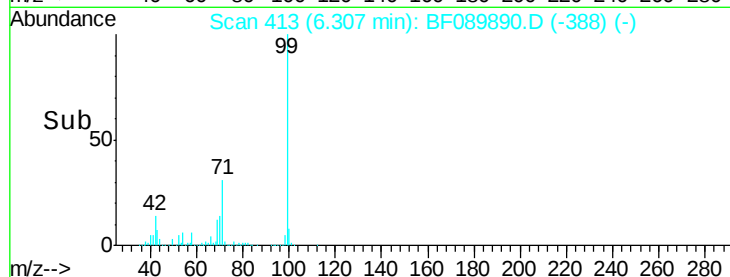
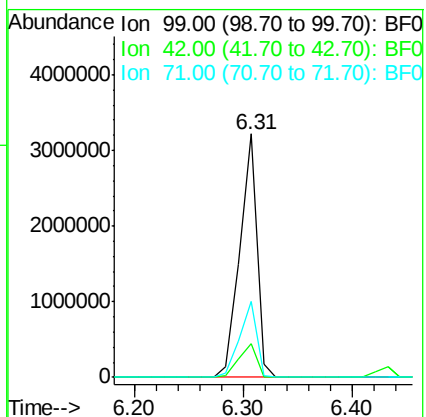
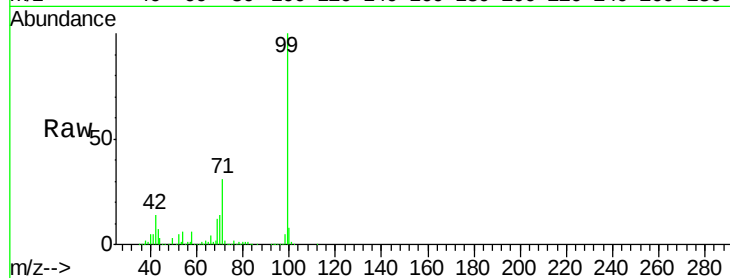
Tgt Ion: 99 Resp: 3466636

Ion Ratio Lower Upper

99 100

42 14.0 12.2 18.4

71 31.1 23.8 35.8



#9

Benzaldehyde

Concen: 3.39 ng

RT: 6.43 min Scan# 424

Delta R.T. 0.21 min

Lab File: BF089890.D

Acq: 24 Aug 2016 22:13

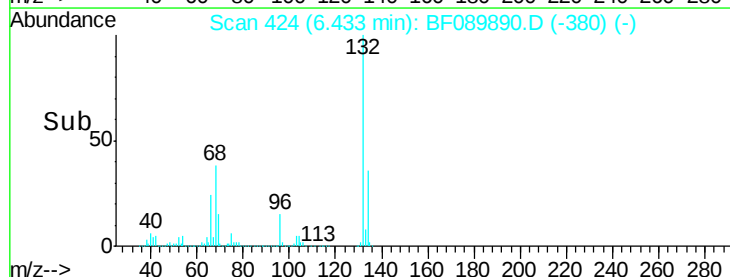
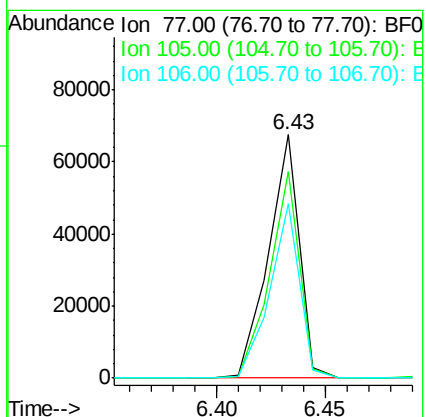
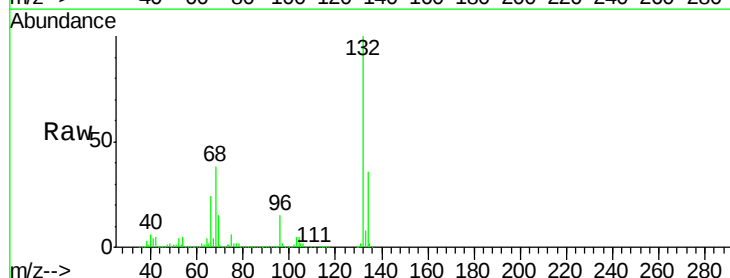
Tgt Ion: 77 Resp: 67629

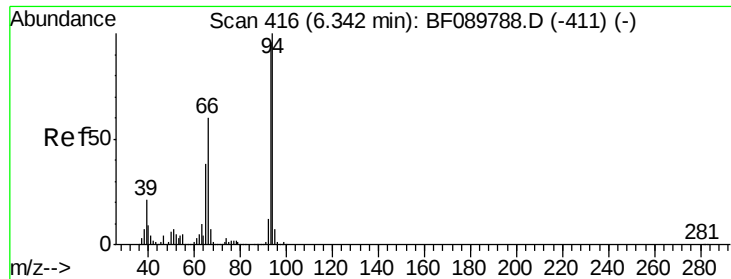
Ion Ratio Lower Upper

77 100

105 84.8 73.3 113.3

106 71.5 68.6 108.6





#10

Phenol

Concen: 3.43 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.02 min

Lab File: BF089890.D

Acq: 24 Aug 2016 22:13

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

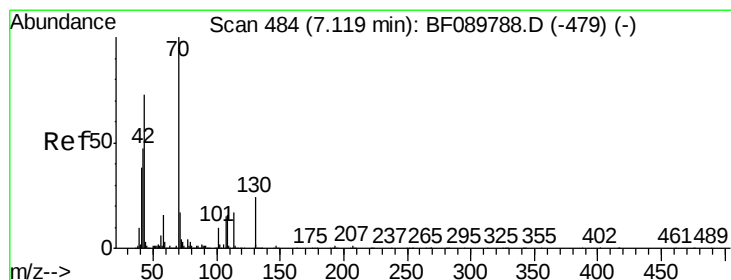
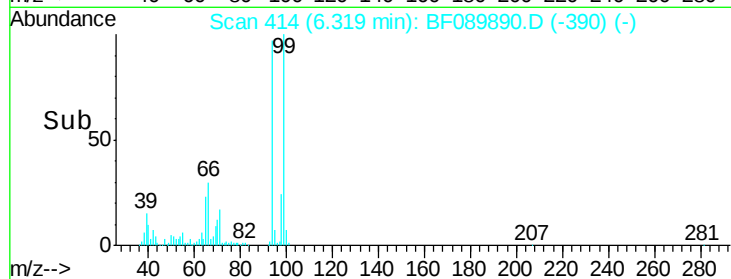
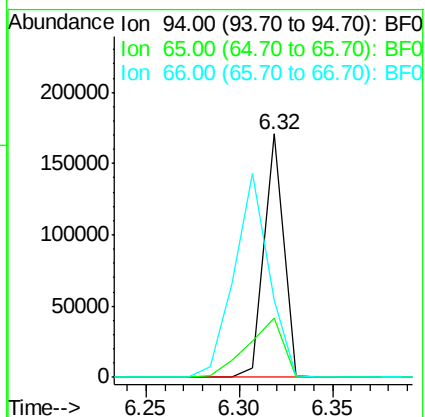
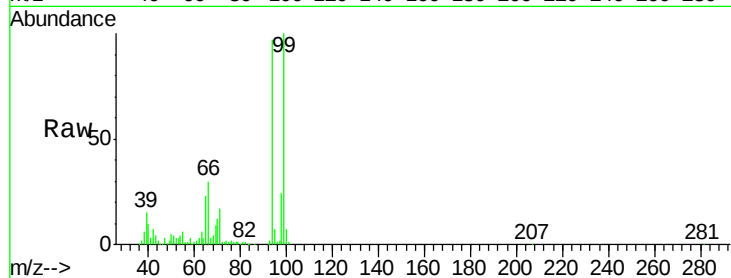
Tgt Ion: 94 Resp: 123157

Ion Ratio Lower Upper

94 100

65 24.2 14.0 54.0

66 31.5 31.2 71.2



#19

n-Nitroso-di-n-propylamine

Concen: 15.03 ng

RT: 7.23 min Scan# 494

Delta R.T. 0.11 min

Lab File: BF089890.D

Acq: 24 Aug 2016 22:13

Tgt Ion: 70 Resp: 294170

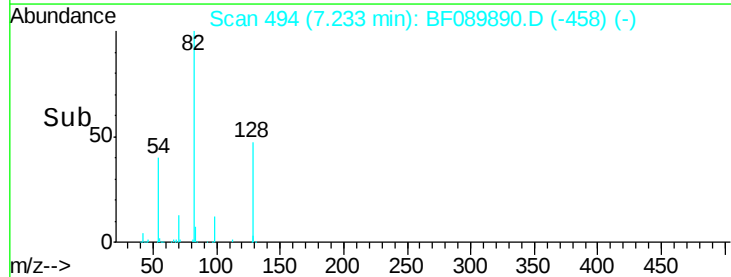
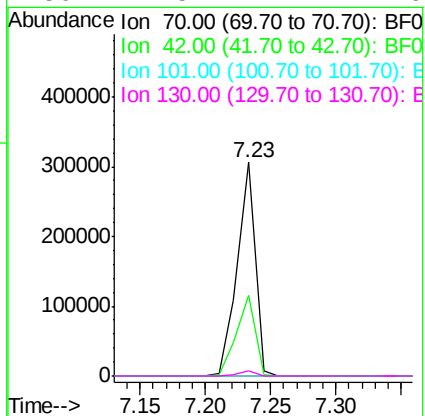
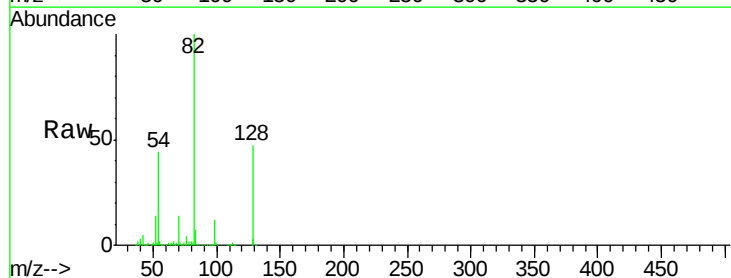
Ion Ratio Lower Upper

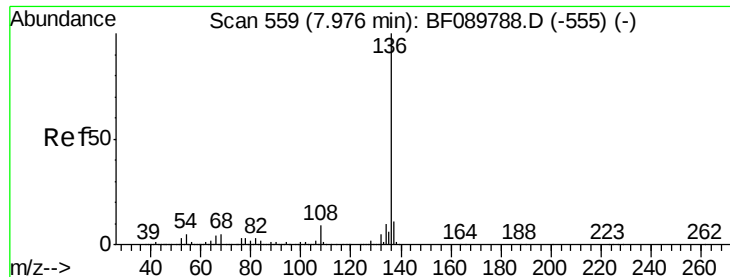
70 100

42 37.6 46.3 69.5#

101 0.0 7.0 10.6#

130 2.5 14.4 21.6#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 557

Delta R.T. -0.02 min

Lab File: BF089890.D

Acq: 24 Aug 2016 22:13

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

Tgt Ion:136 Resp: 1852823

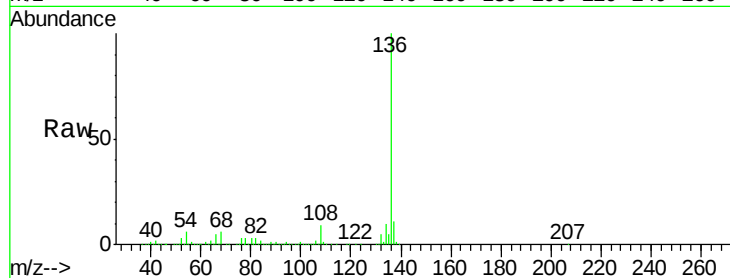
Ion Ratio Lower Upper

136 100

137 11.5 9.2 13.8

54 5.9 7.2 10.8#

68 5.6 5.8 8.8#

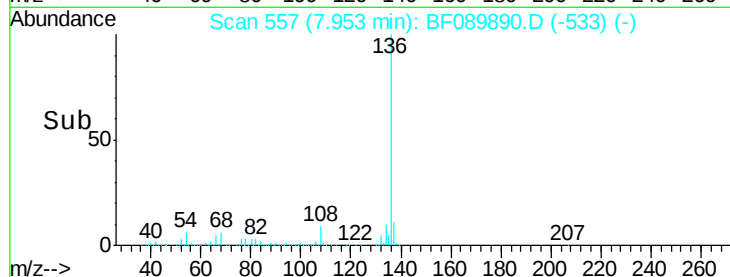


Abundance Ion 136.00 (135.70 to 136.70): E

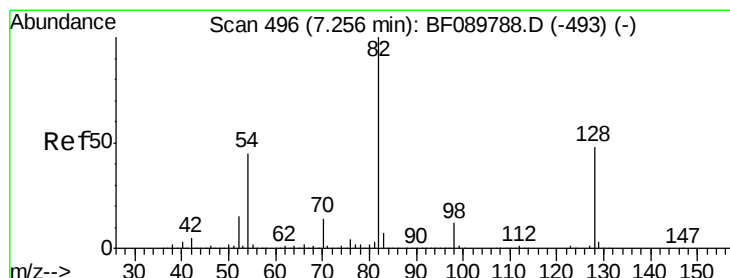
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time--> 7.80 7.90 8.00 8.10 8.20



#23

Nitrobenzene-d5

Concen: 73.40 ng

RT: 7.23 min Scan# 494

Delta R.T. -0.02 min

Lab File: BF089890.D

Acq: 24 Aug 2016 22:13

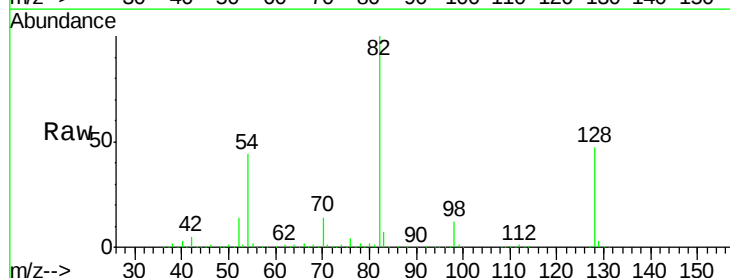
Tgt Ion: 82 Resp: 2189097

Ion Ratio Lower Upper

82 100

128 47.1 34.4 51.6

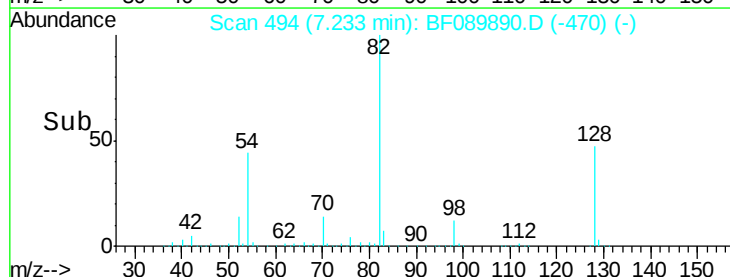
54 44.0 40.3 60.5



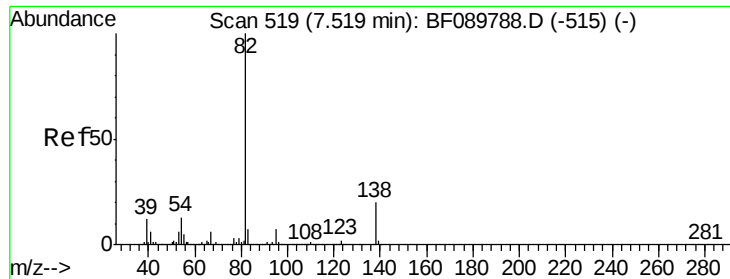
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time--> 7.15 7.20 7.25 7.30 7.35



#25

Isophorone

Concen: 26.76 ng

RT: 7.23 min Scan# 494

Delta R.T. -0.29 min

Lab File: BF089890.D

Acq: 24 Aug 2016 22:13

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

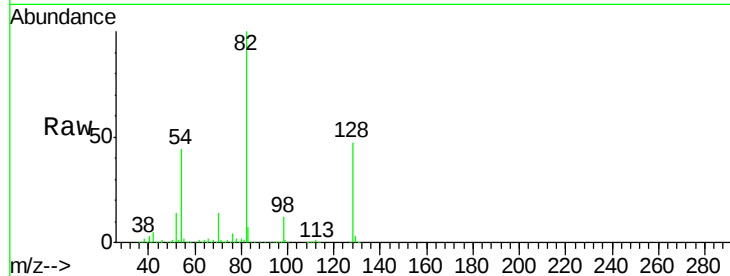
Tgt Ion: 82 Resp: 1609914

Ion Ratio Lower Upper

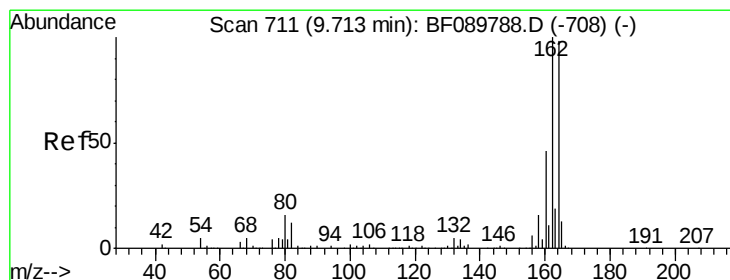
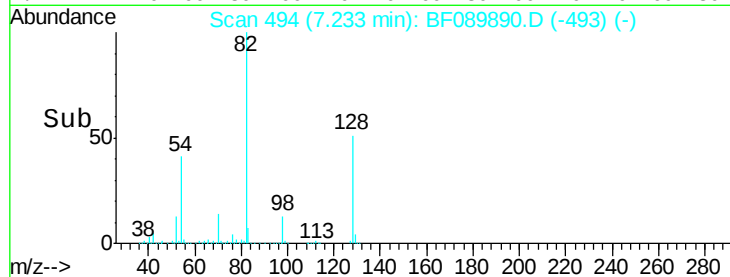
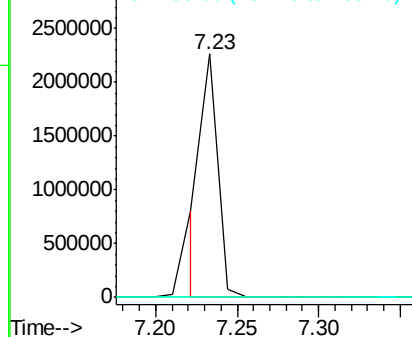
82 100

95 0.0 5.3 7.9#

138 0.0 13.0 19.4#



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: 9.70 min Scan# 710

Delta R.T. -0.01 min

Lab File: BF089890.D

Acq: 24 Aug 2016 22:13

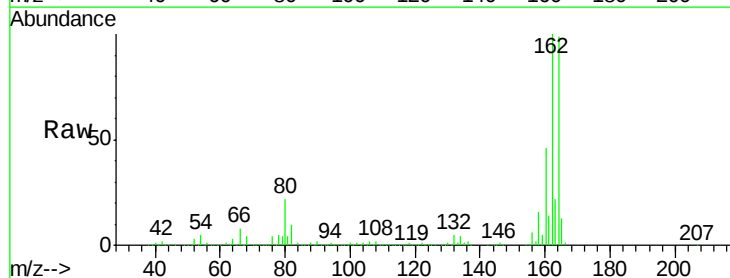
Tgt Ion: 164 Resp: 832096

Ion Ratio Lower Upper

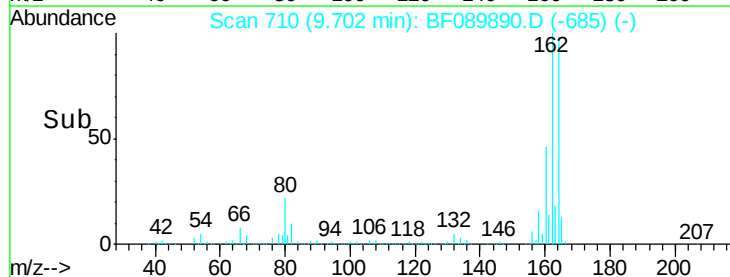
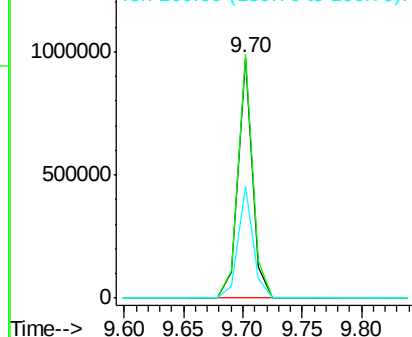
164 100

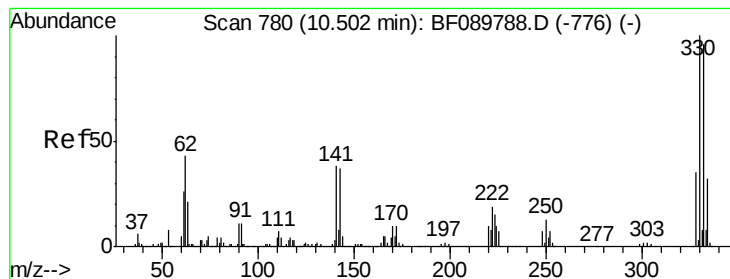
162 101.5 81.4 122.2

160 46.7 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

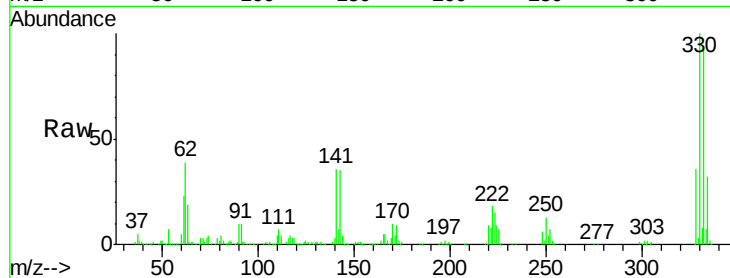




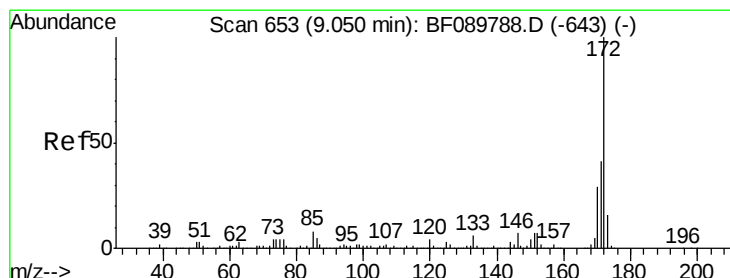
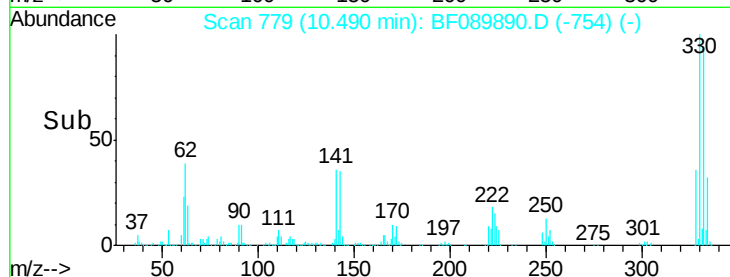
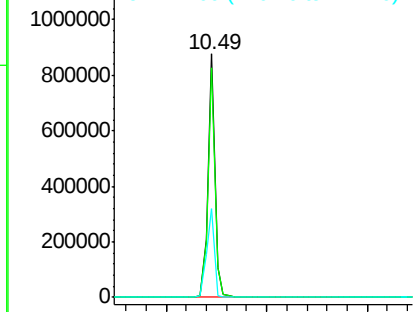
#41
 2,4,6-Tribromophenol
 Concen: 106.91 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.01 min
 Lab File: BF089890.D
 Acq: 24 Aug 2016 22:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-15A-(18-20)MSD

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.8	76.7	115.1
141	40.5	30.2	45.2

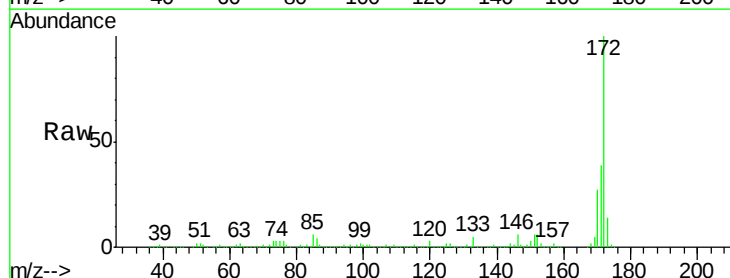


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

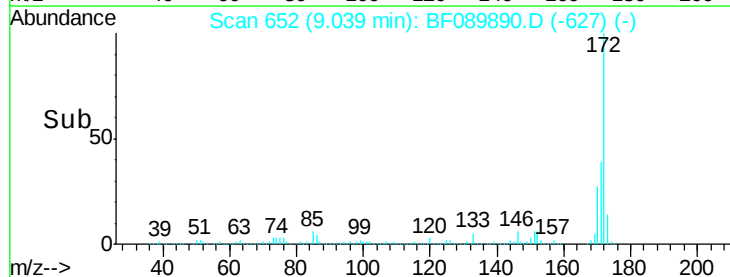
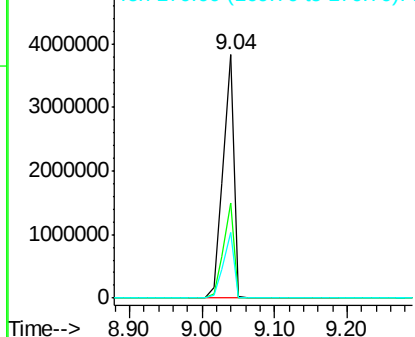


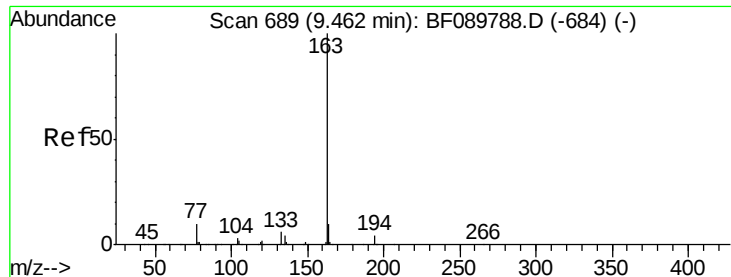
#44
 2-Fluorobiphenyl
 Concen: 85.06 ng
 RT: 9.04 min Scan# 652
 Delta R.T. -0.01 min
 Lab File: BF089890.D
 Acq: 24 Aug 2016 22:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.9	30.5	45.7
170	26.9	20.6	31.0



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: 24.35 ng

RT: 9.44 min Scan# 687

Delta R.T. -0.02 min

Lab File: BF089890.D

Acq: 24 Aug 2016 22:13

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

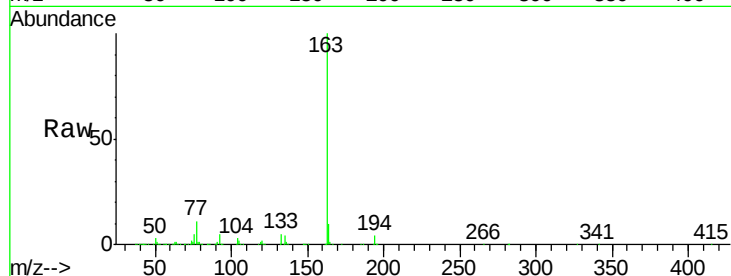
Tgt Ion:163 Resp: 1426521

Ion Ratio Lower Upper

163 100

194 4.0 2.6 3.8#

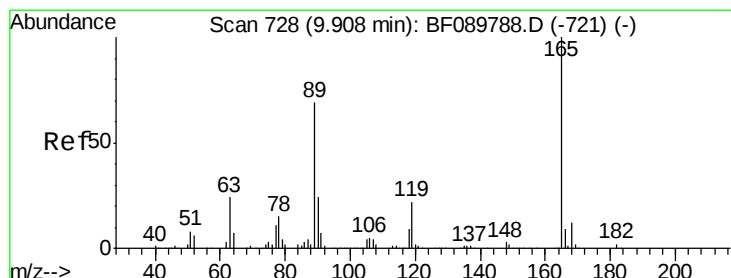
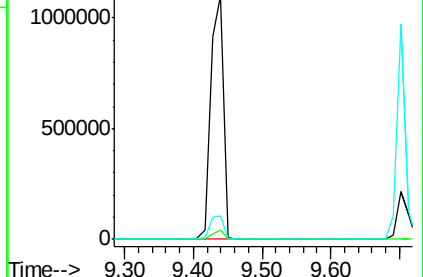
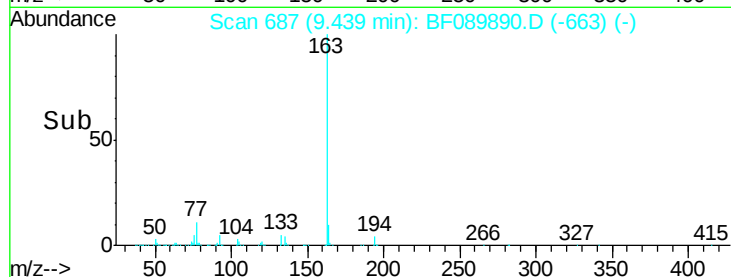
164 9.9 8.6 12.8



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: 6.31 ng

RT: 9.70 min Scan# 710

Delta R.T. -0.21 min

Lab File: BF089890.D

Acq: 24 Aug 2016 22:13

Tgt Ion:165 Resp: 110827

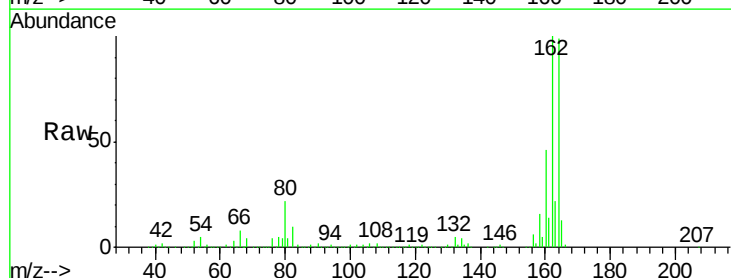
Ion Ratio Lower Upper

165 100

63 1.1 23.7 35.5#

89 1.1 44.0 66.0#

182 0.0 2.0 3.0#

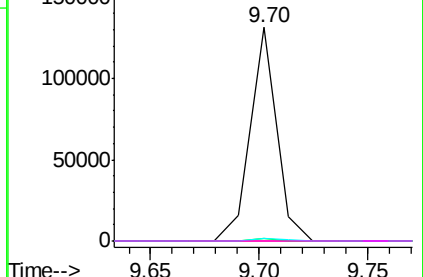
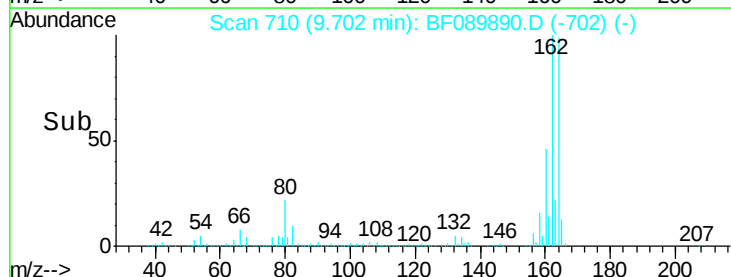


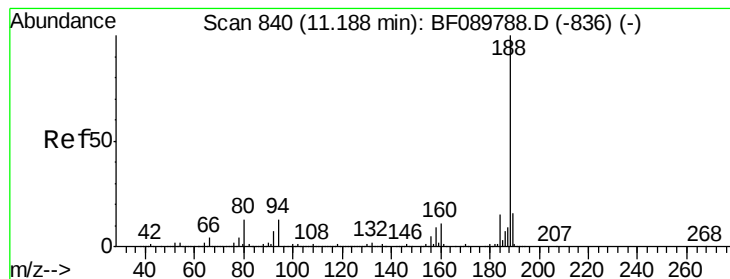
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.18 min Scan# 839

Delta R.T. -0.01 min

Lab File: BF089890.D

Acq: 24 Aug 2016 22:13

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

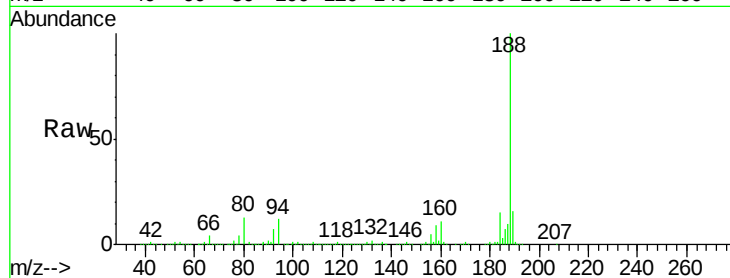
Tgt Ion:188 Resp: 1511786

Ion Ratio Lower Upper

188 100

94 12.4 10.2 15.2

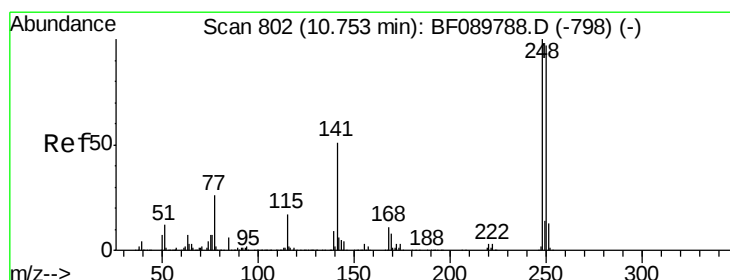
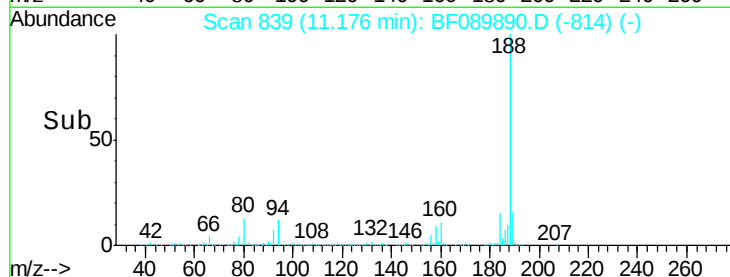
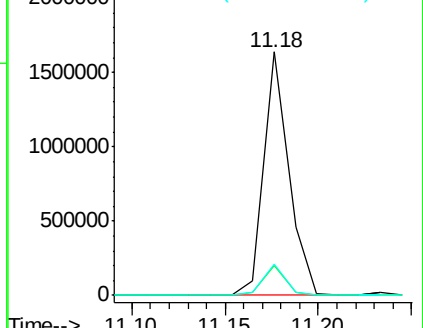
80 12.8 10.9 16.3



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: 3.42 ng

RT: 10.49 min Scan# 779

Delta R.T. -0.26 min

Lab File: BF089890.D

Acq: 24 Aug 2016 22:13

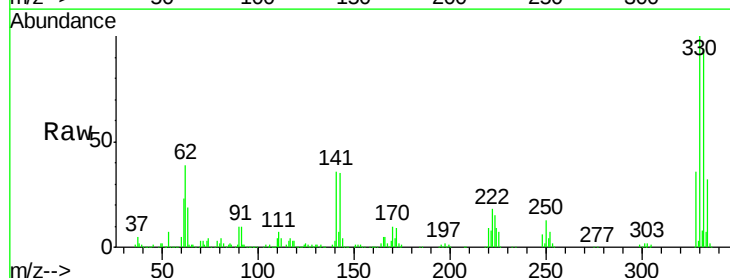
Tgt Ion:248 Resp: 54220

Ion Ratio Lower Upper

248 100

250 194.2 78.6 117.8#

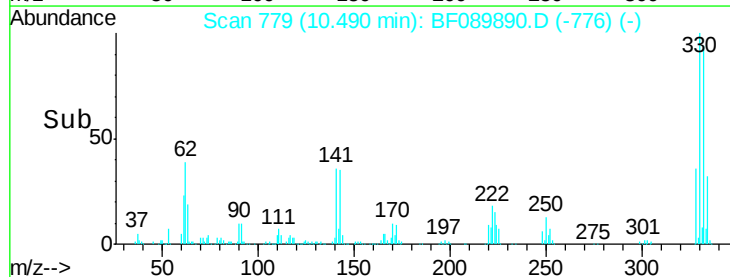
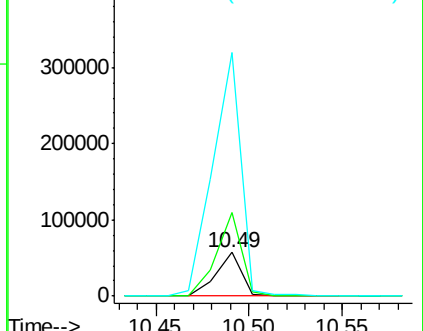
141 561.6 31.4 47.2#

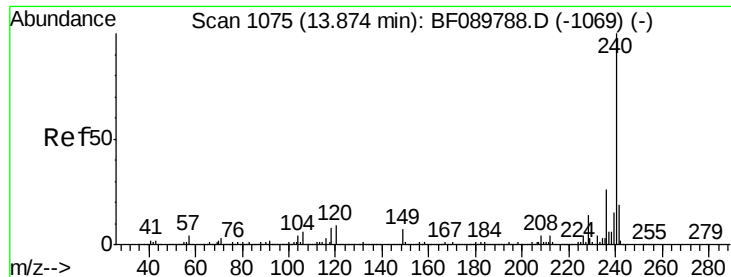


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.82 min Scan# 1070

Delta R.T. -0.06 min

Lab File: BF089890.D

Acq: 24 Aug 2016 22:13

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

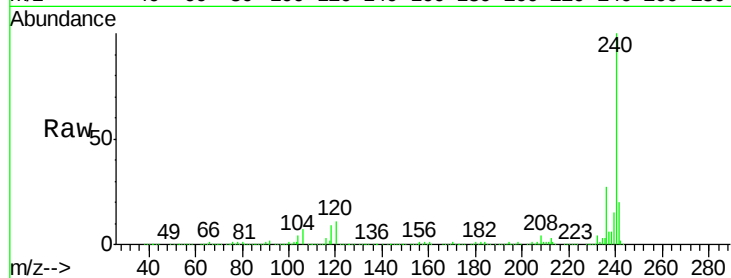
Tgt Ion:240 Resp: 1279788

Ion Ratio Lower Upper

240 100

120 10.7 8.3 12.5

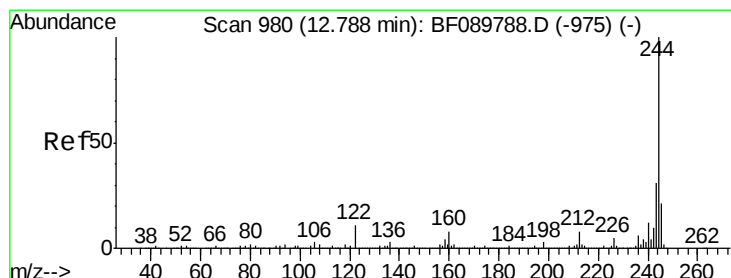
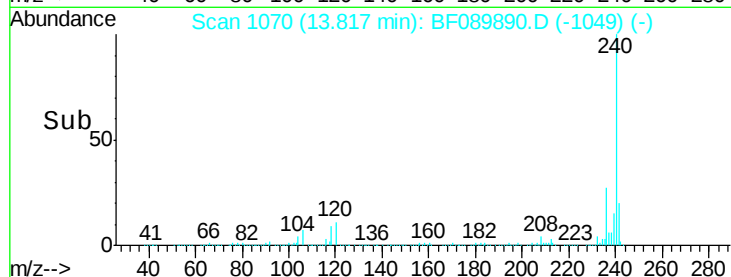
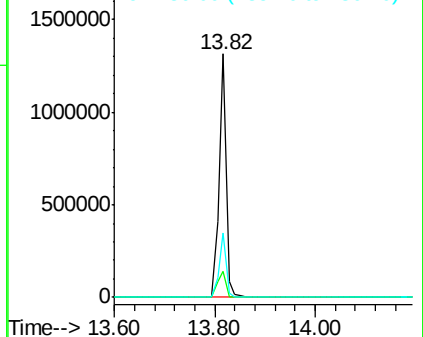
236 26.5 21.3 31.9



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: 58.58 ng

RT: 12.78 min Scan# 979

Delta R.T. -0.01 min

Lab File: BF089890.D

Acq: 24 Aug 2016 22:13

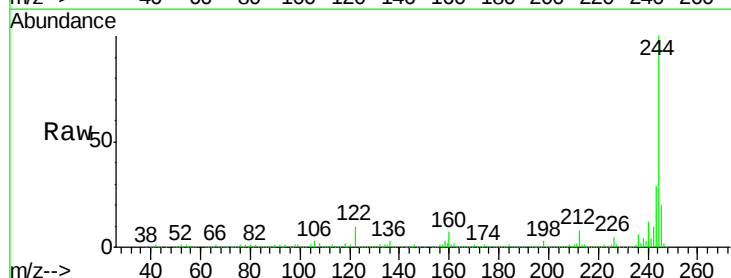
Tgt Ion:244 Resp: 3313988

Ion Ratio Lower Upper

244 100

212 7.7 6.3 9.5

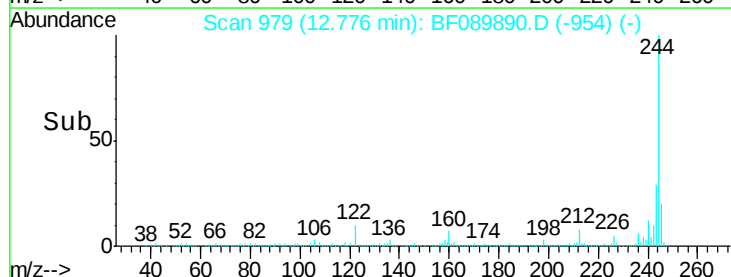
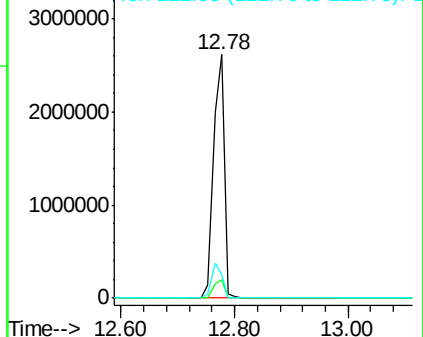
122 9.9 12.0 18.0#

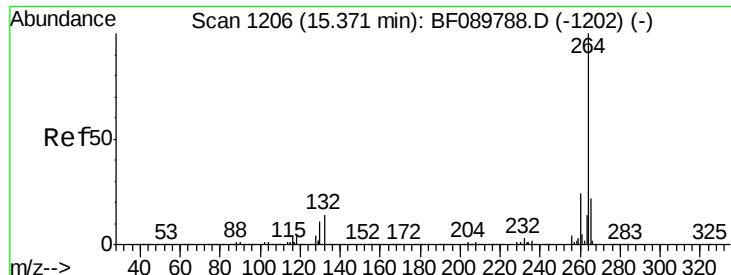


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.25 min Scan# 1195
Delta R.T. -0.13 min
Lab File: BF089890.D
Acq: 24 Aug 2016 22:13

Instrument :
BNA_F
ClientSampleId :
SB-15A-(18-20)MSD

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	20.2	30.2
265	21.7	17.4	26.2

