

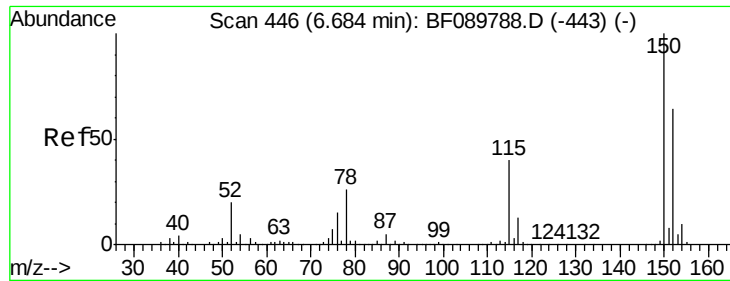
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082416\
 Data File : BF089889.D
 Acq On : 24 Aug 2016 21:46
 Operator : UM/SJ
 Sample : H4576-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

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

Quant Time: Aug 25 12:22:22 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	401838	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	1754240	20.00	ng	-0.02
38) Acenaphthene-d10	9.70	164	778834	20.00	ng	-0.01
63) Phenanthrene-d10	11.18	188	1401481	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	1080233	20.00	ng	-0.05
86) Perylene-d12	15.27	264	833244	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	2796577	119.35	ng	-0.01
7) Phenol-d6	6.31	99	3361652	116.87	ng	-0.01
23) Nitrobenzene-d5	7.23	82	2122663	75.17	ng	-0.02
41) 2,4,6-Tribromophenol	10.49	330	803450	108.55	ng	-0.01
44) 2-Fluorobiphenyl	9.04	172	3909130	88.22	ng	-0.01
78) Terphenyl-d14	12.78	244	3242842	67.91	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.43	77	61063	3.26	ng	88
10) Phenol	6.32	94	95153	2.82	ng	76
19) n-Nitroso-di-n-propylamine	7.23	70	284019	15.44	ng	# 72
25) Isophorone	7.23	82	1575726	27.67	ng	# 67
49) Dimethylphthalate	9.43	163	1072623	19.56	ng	99
56) 2,4-Dinitrotoluene	9.70	165	105654	6.43	ng	# 35
66) 4-Bromophenyl-phenylether	10.49	248	50864	3.46	ng	# 1

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 444

Delta R.T. -0.02 min

Lab File: BF089889.D

Acq: 24 Aug 2016 21:46

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MS

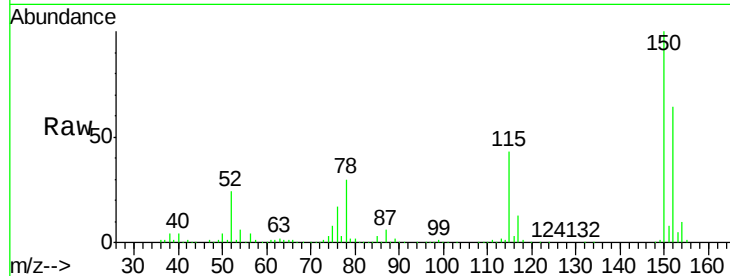
Tgt Ion:152 Resp: 401838

Ion Ratio Lower Upper

152 100

150 157.1 125.3 187.9

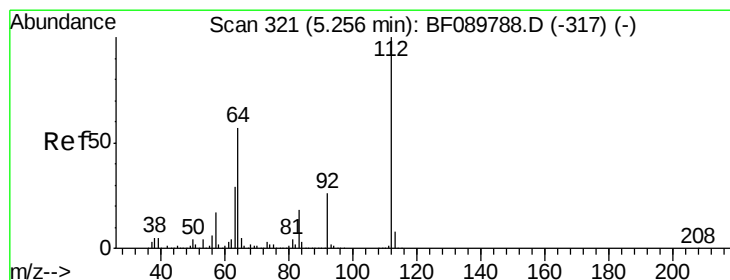
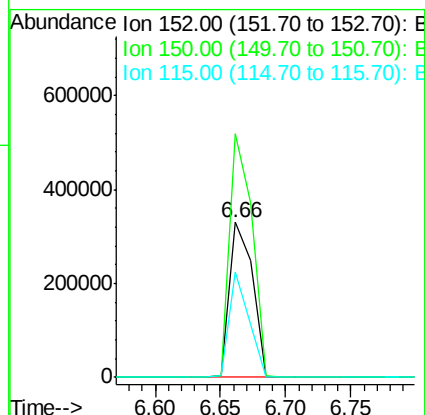
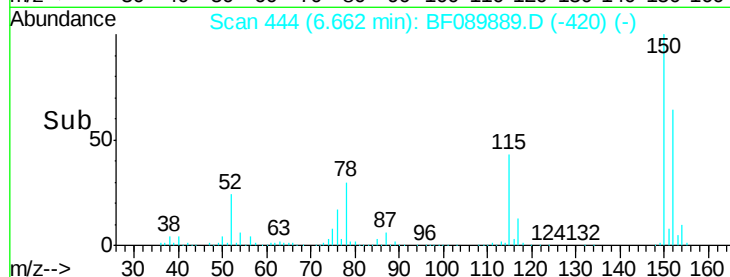
115 68.2 40.9 61.3#



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: 119.35 ng

RT: 5.24 min Scan# 320

Delta R.T. -0.01 min

Lab File: BF089889.D

Acq: 24 Aug 2016 21:46

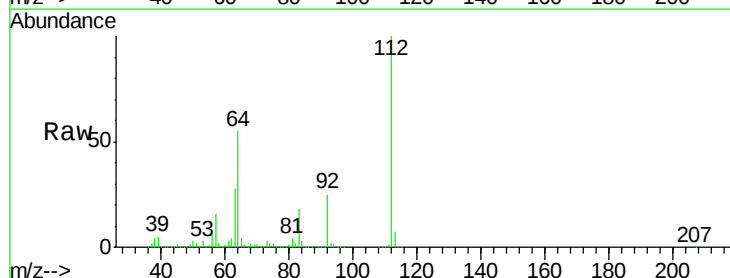
Tgt Ion:112 Resp: 2796577

Ion Ratio Lower Upper

112 100

64 54.5 45.0 67.4

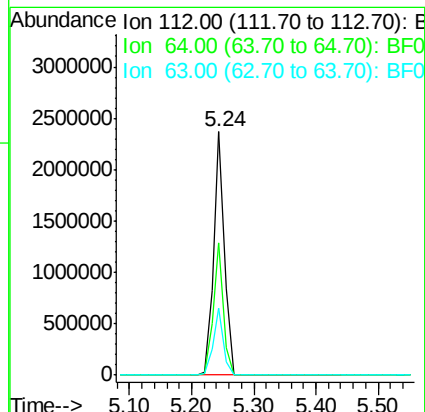
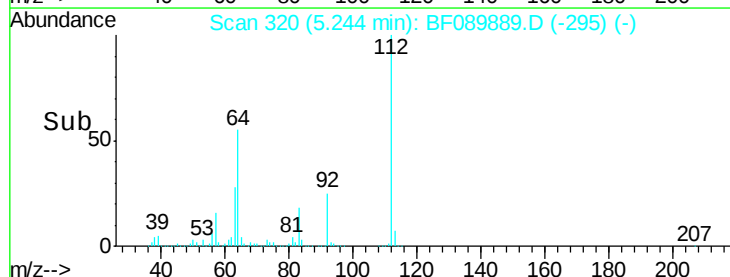
63 27.6 23.1 34.7

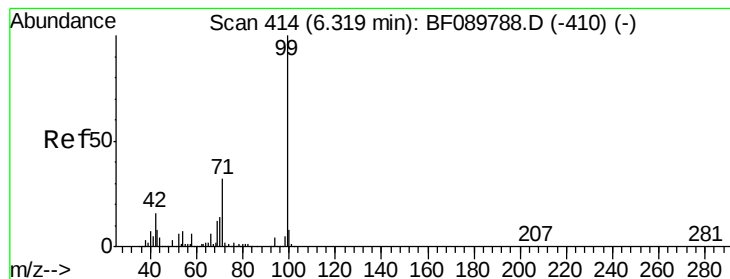


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 116.87 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.01 min

Lab File: BF089889.D

Acq: 24 Aug 2016 21:46

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MS

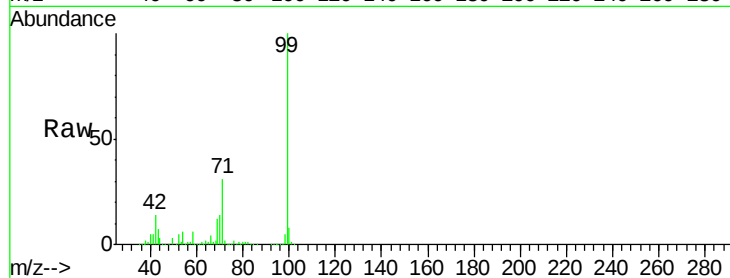
Tgt Ion: 99 Resp: 3361652

Ion Ratio Lower Upper

99 100

42 14.0 12.2 18.4

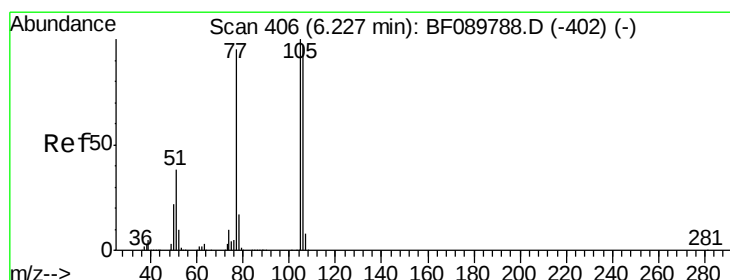
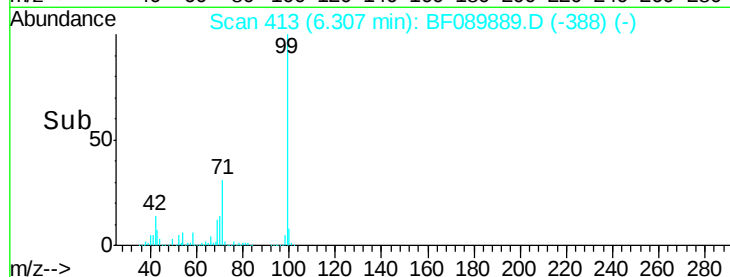
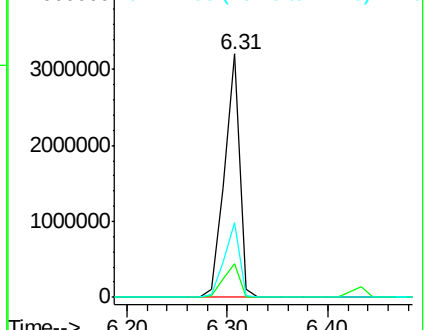
71 30.9 23.8 35.8



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: 3.26 ng

RT: 6.43 min Scan# 424

Delta R.T. 0.21 min

Lab File: BF089889.D

Acq: 24 Aug 2016 21:46

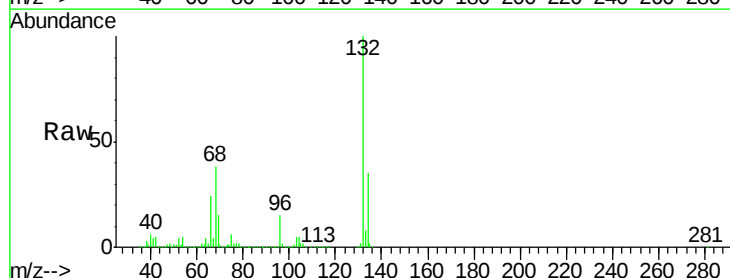
Tgt Ion: 77 Resp: 61063

Ion Ratio Lower Upper

77 100

105 87.0 73.3 113.3

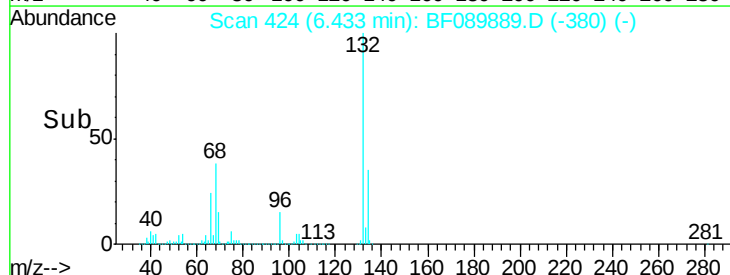
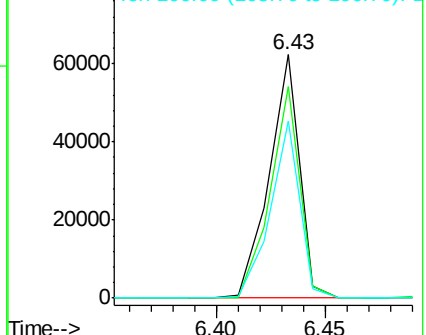
106 72.7 68.6 108.6

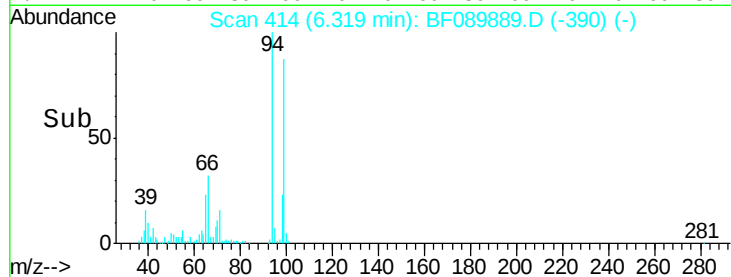
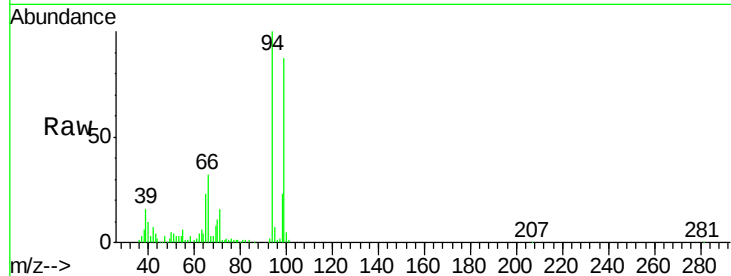
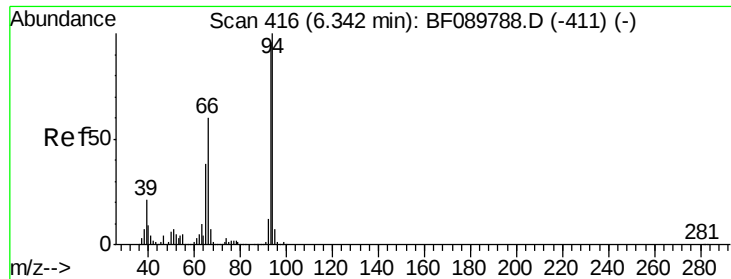


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.82 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.02 min

Lab File: BF089889.D

Acq: 24 Aug 2016 21:46

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MS

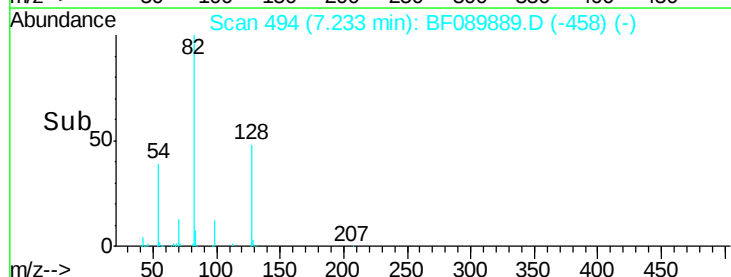
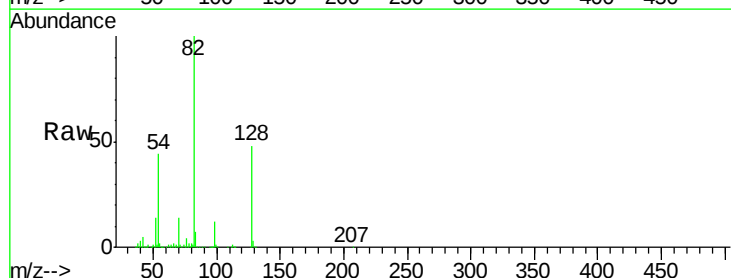
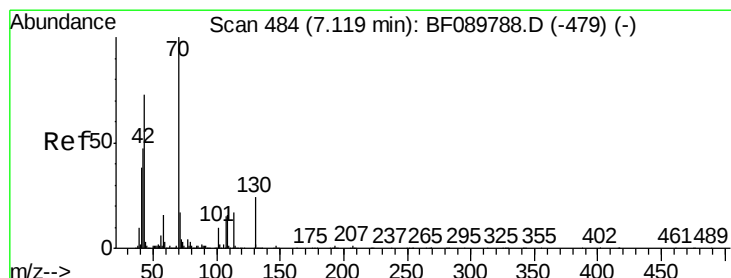
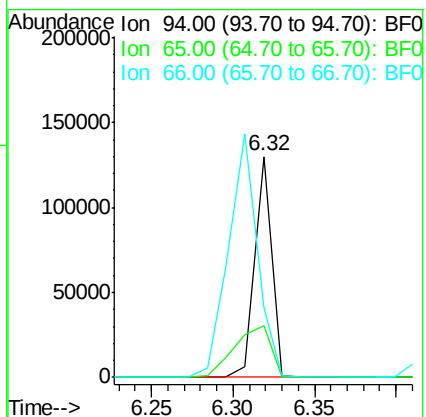
Tgt Ion: 94 Resp: 95153

Ion Ratio Lower Upper

94 100

65 23.2 14.0 54.0

66 31.6 31.2 71.2



#19

n-Nitroso-di-n-propylamine

Concen: 15.44 ng

RT: 7.23 min Scan# 494

Delta R.T. 0.11 min

Lab File: BF089889.D

Acq: 24 Aug 2016 21:46

Tgt Ion: 70 Resp: 284019

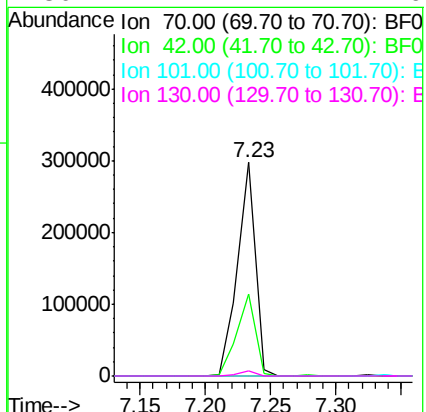
Ion Ratio Lower Upper

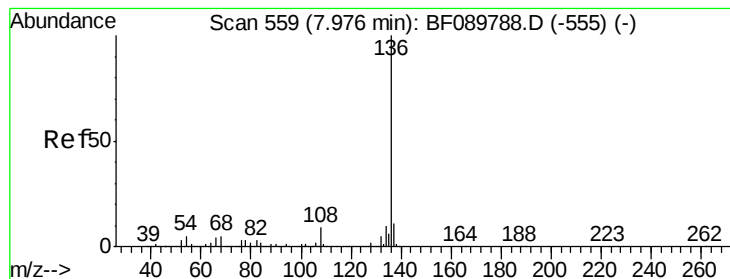
70 100

42 38.6 46.3 69.5#

101 0.0 7.0 10.6#

130 2.4 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: BF089889.D

Acq: 24 Aug 2016 21:46

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MS

Tgt Ion:136 Resp: 1754240

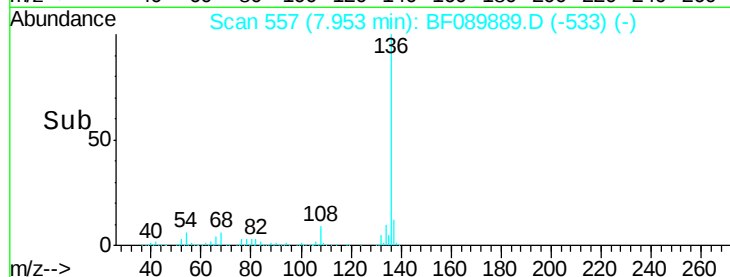
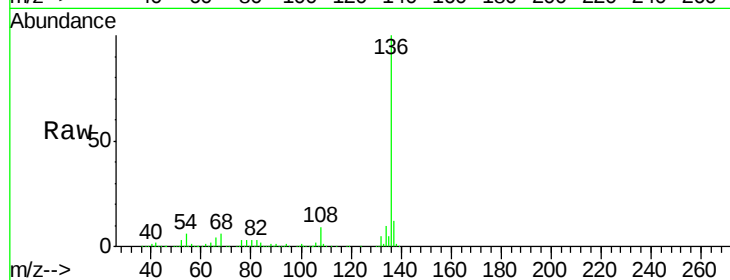
Ion Ratio Lower Upper

136 100

137 11.5 9.2 13.8

54 5.9 7.2 10.8#

68 5.6 5.8 8.8#

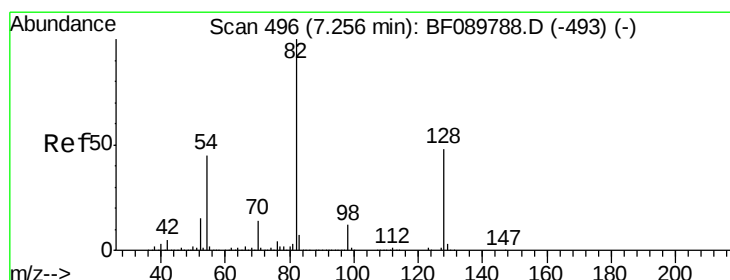
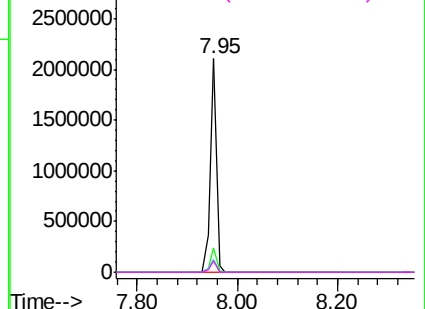


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 75.17 ng

RT: 7.23 min Scan# 494

Delta R.T. -0.02 min

Lab File: BF089889.D

Acq: 24 Aug 2016 21:46

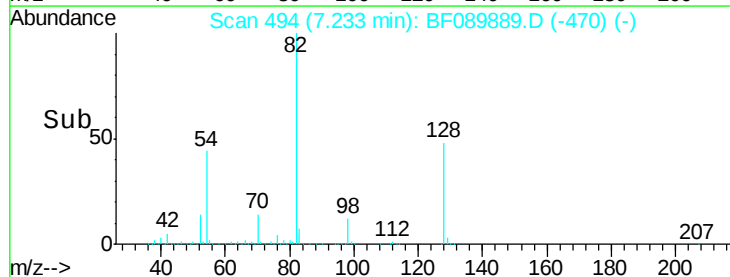
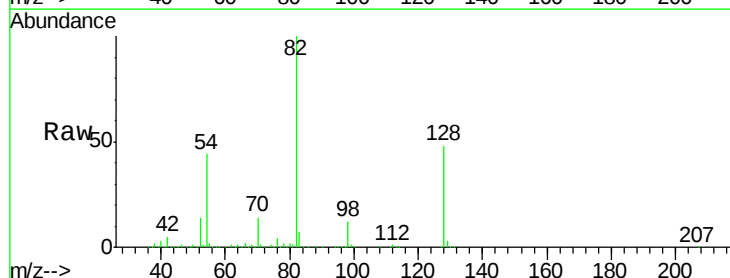
Tgt Ion: 82 Resp: 2122663

Ion Ratio Lower Upper

82 100

128 48.1 34.4 51.6

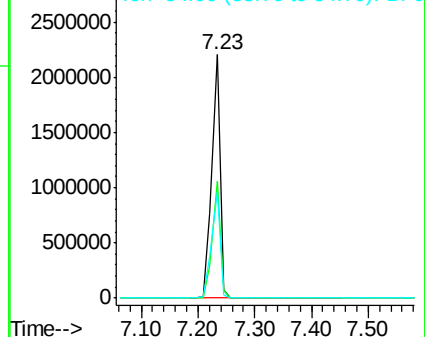
54 43.6 40.3 60.5

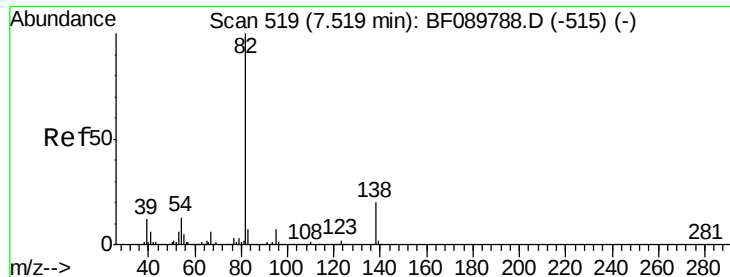


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 27.67 ng

RT: 7.23 min Scan# 494

Delta R.T. -0.29 min

Lab File: BF089889.D

Acq: 24 Aug 2016 21:46

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MS

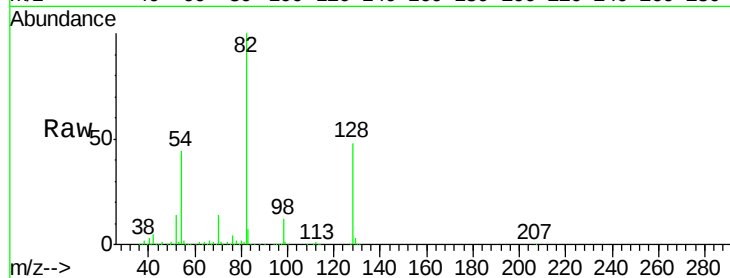
Tgt Ion: 82 Resp: 1575726

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

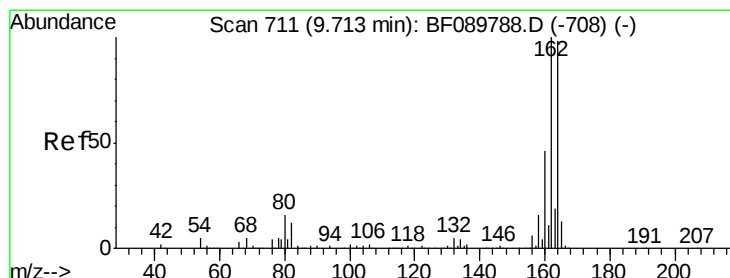
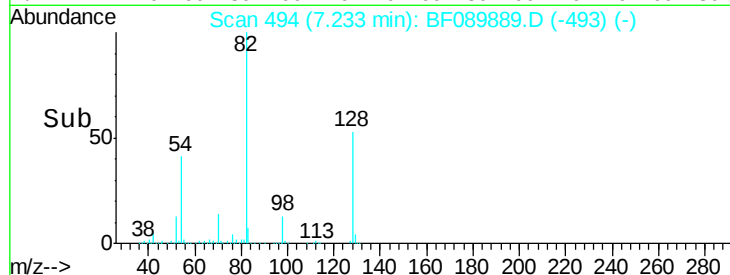
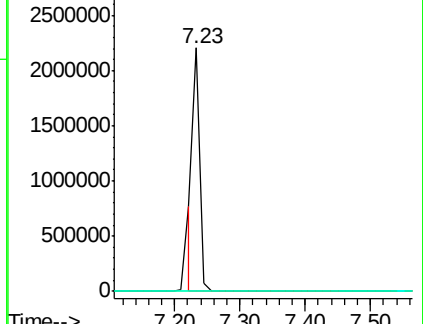
138 0.0 13.0 19.4#



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: BF089889.D

Acq: 24 Aug 2016 21:46

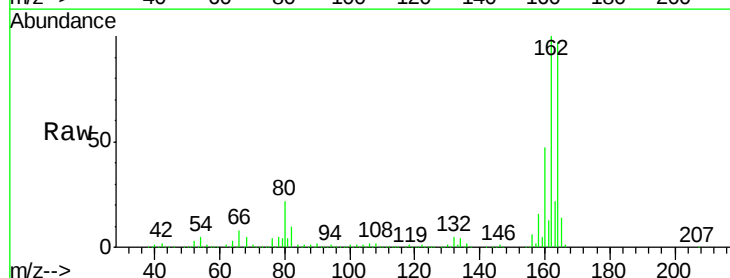
Tgt Ion: 164 Resp: 778834

Ion Ratio Lower Upper

164 100

162 102.8 81.4 122.2

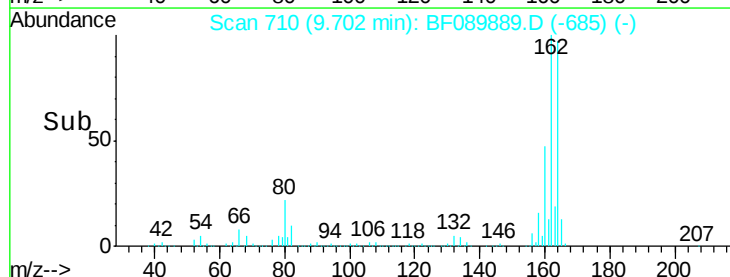
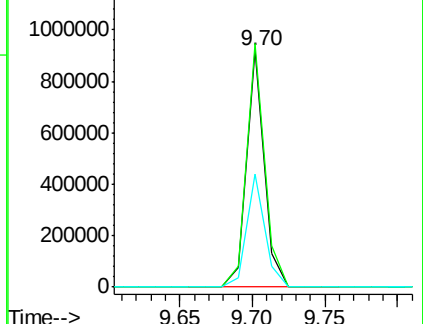
160 47.9 37.8 56.6

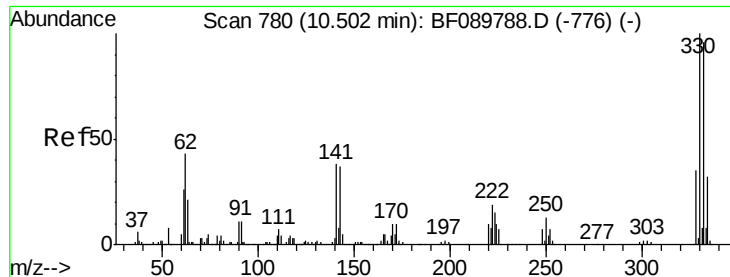


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

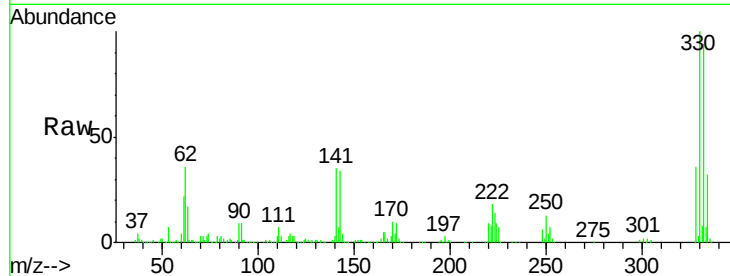




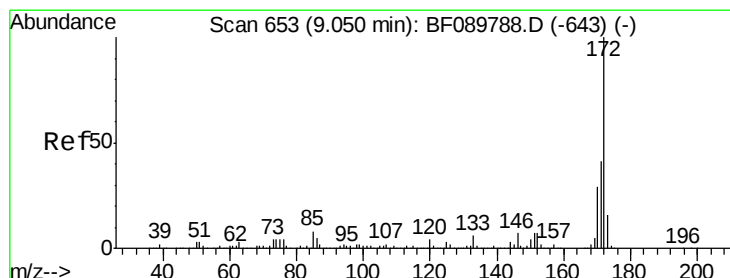
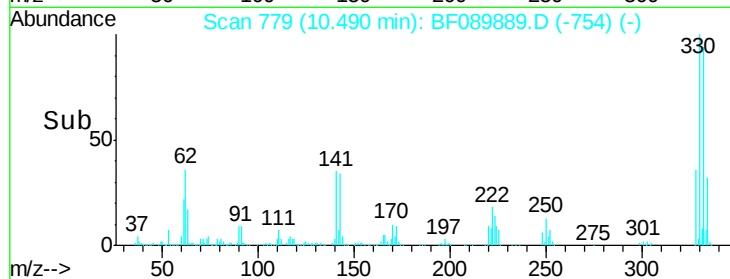
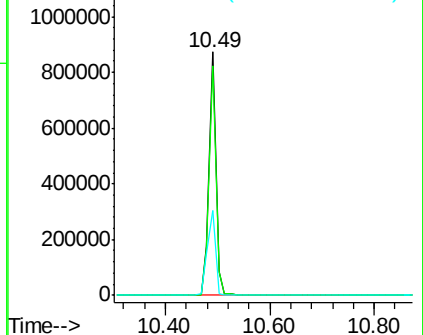
#41
 2,4,6-Tribromophenol
 Concen: 108.55 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.01 min
 Lab File: BF089889.D
 Acq: 24 Aug 2016 21:46

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

Tgt Ion:330 Resp: 803450
 Ion Ratio Lower Upper
 330 100
 332 94.7 76.7 115.1
 141 40.5 30.2 45.2

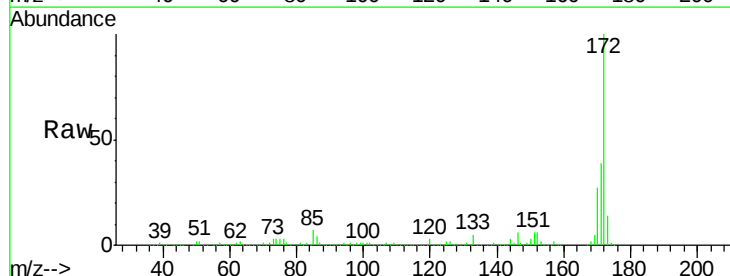


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

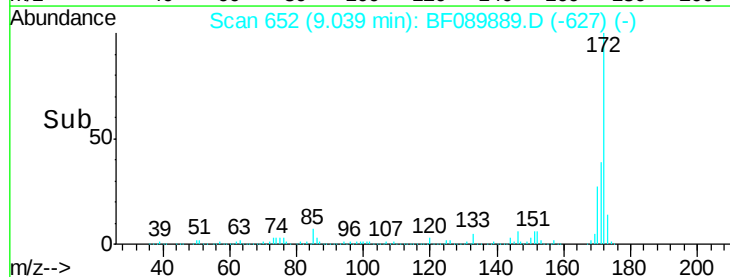
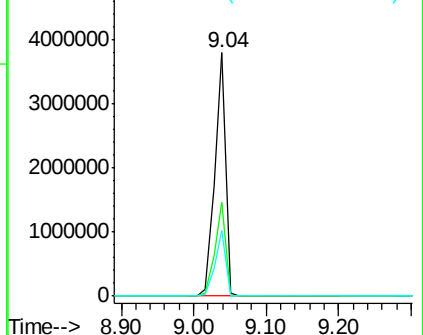


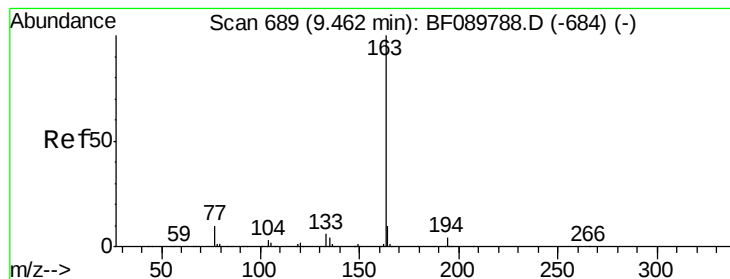
#44
 2-Fluorobiphenyl
 Concen: 88.22 ng
 RT: 9.04 min Scan# 652
 Delta R.T. -0.01 min
 Lab File: BF089889.D
 Acq: 24 Aug 2016 21:46

Tgt Ion:172 Resp: 3909130
 Ion Ratio Lower Upper
 172 100
 171 38.8 30.5 45.7
 170 27.2 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: 19.56 ng

RT: 9.43 min Scan# 686

Delta R.T. -0.03 min

Lab File: BF089889.D

Acq: 24 Aug 2016 21:46

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MS

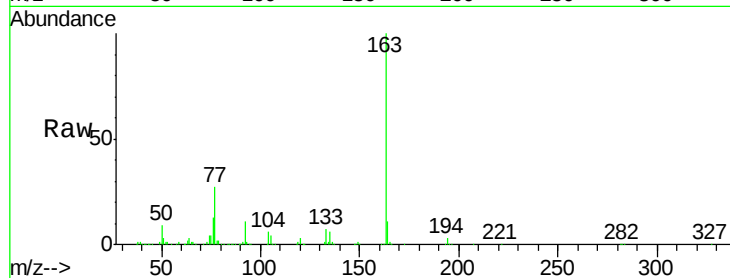
Tgt Ion:163 Resp: 1072623

Ion Ratio Lower Upper

163 100

194 2.9 2.6 3.8

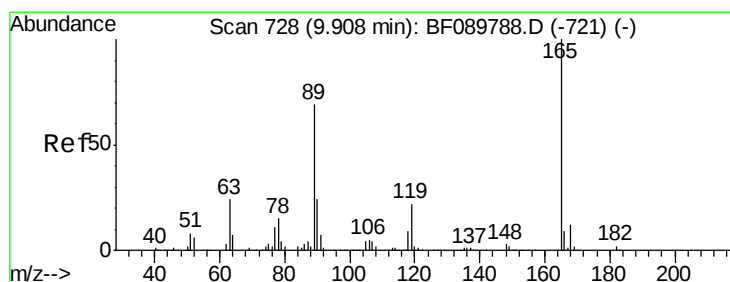
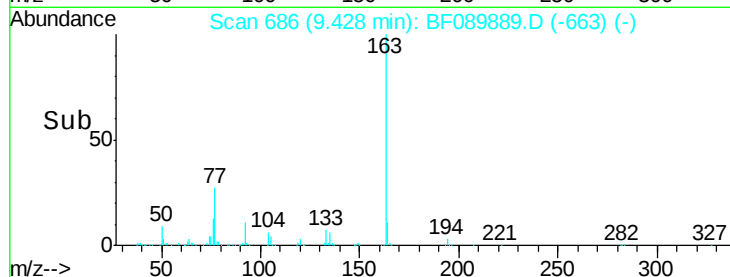
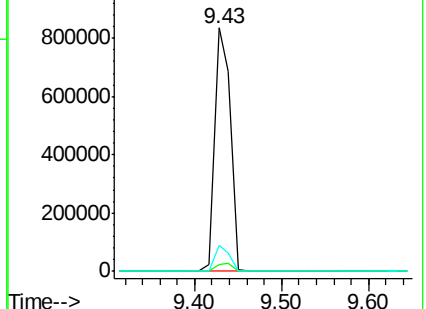
164 10.9 8.6 12.8



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: 6.43 ng

RT: 9.70 min Scan# 710

Delta R.T. -0.21 min

Lab File: BF089889.D

Acq: 24 Aug 2016 21:46

Tgt Ion:165 Resp: 105654

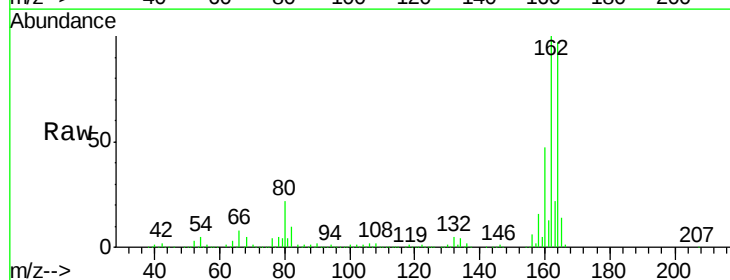
Ion Ratio Lower Upper

165 100

63 0.9 23.7 35.5#

89 1.1 44.0 66.0#

182 0.0 2.0 3.0#

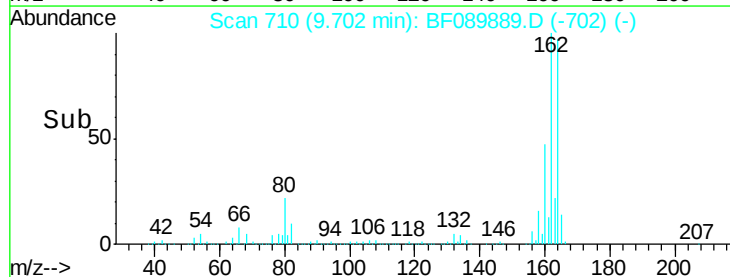
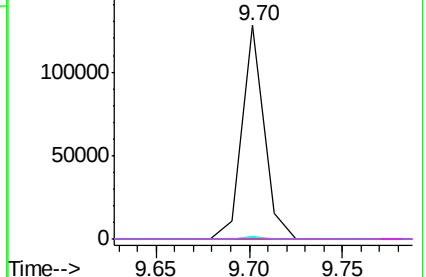


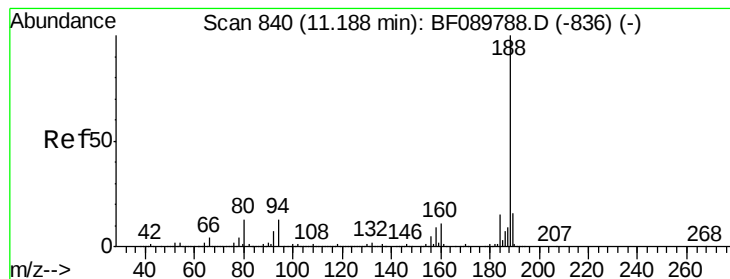
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF089889.D

Acq: 24 Aug 2016 21:46

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MS

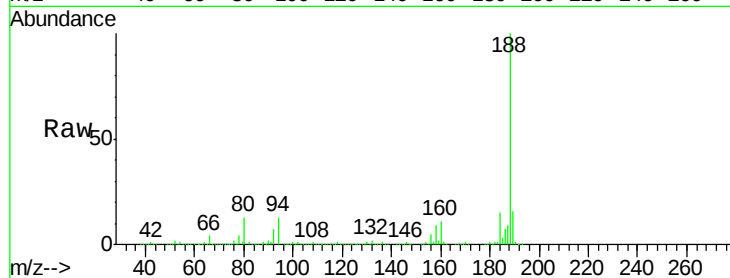
Tgt Ion:188 Resp: 1401481

Ion Ratio Lower Upper

188 100

94 12.6 10.2 15.2

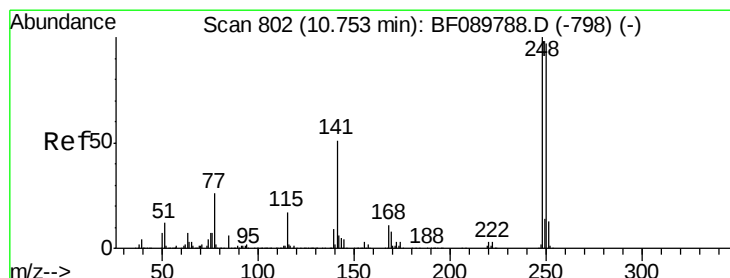
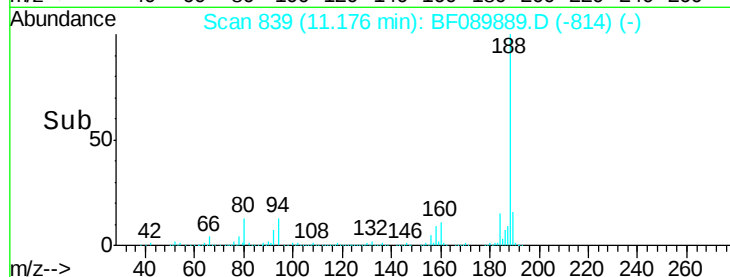
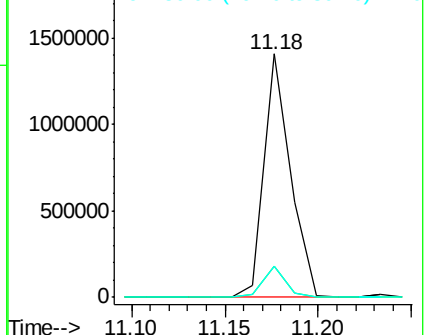
80 13.0 10.9 16.3



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: 3.46 ng

RT: 10.49 min Scan# 779

Delta R.T. -0.26 min

Lab File: BF089889.D

Acq: 24 Aug 2016 21:46

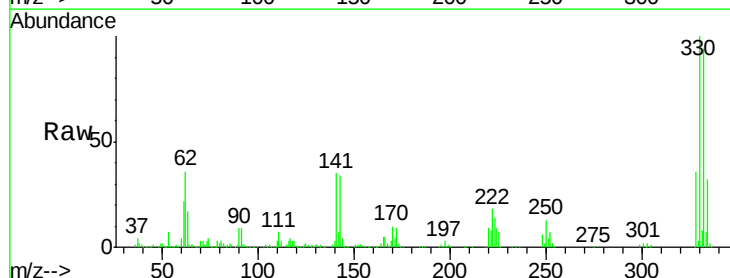
Tgt Ion:248 Resp: 50864

Ion Ratio Lower Upper

248 100

250 200.9 78.6 117.8#

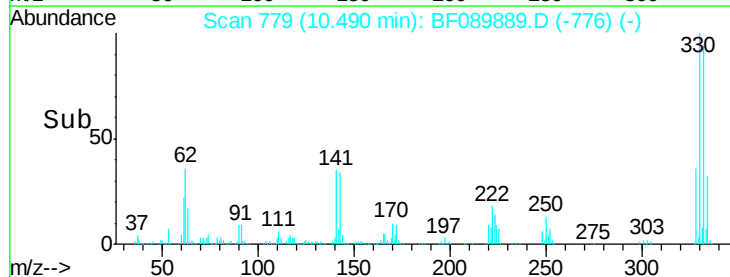
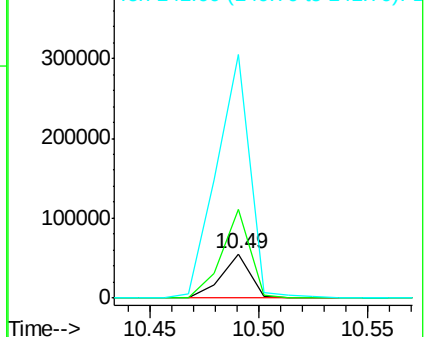
141 552.1 31.4 47.2#

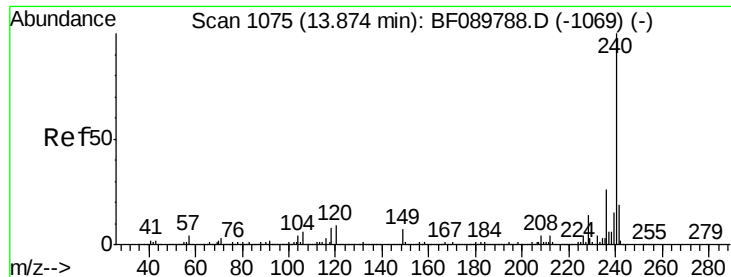


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.83 min Scan# 1071

Delta R.T. -0.05 min

Lab File: BF089889.D

Acq: 24 Aug 2016 21:46

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MS

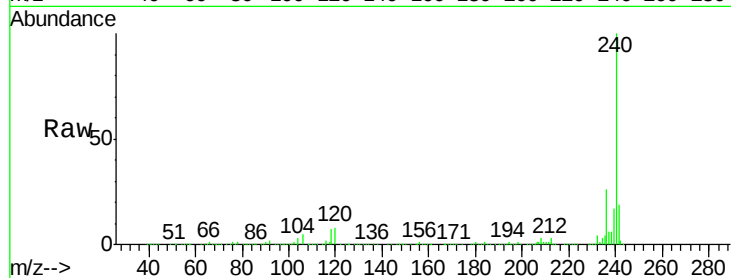
Tgt Ion:240 Resp: 1080233

Ion Ratio Lower Upper

240 100

120 7.8 8.3 12.5#

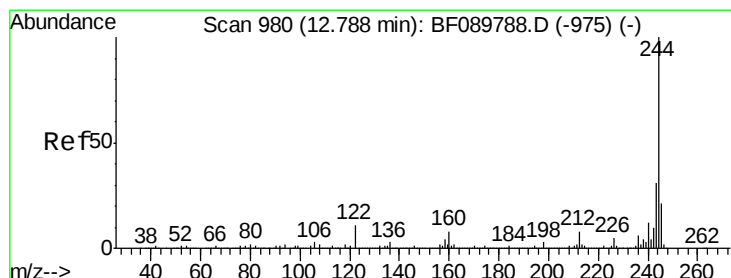
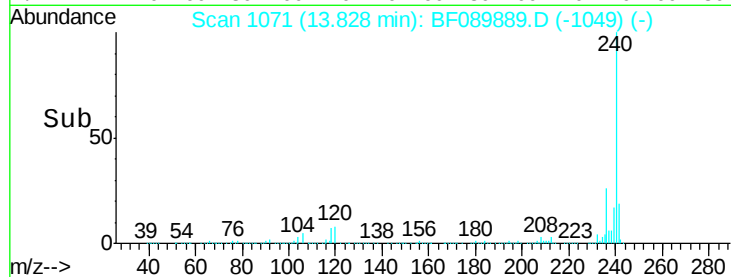
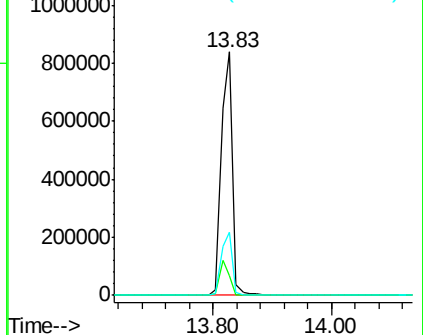
236 25.9 21.3 31.9



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: 67.91 ng

RT: 12.78 min Scan# 979

Delta R.T. -0.01 min

Lab File: BF089889.D

Acq: 24 Aug 2016 21:46

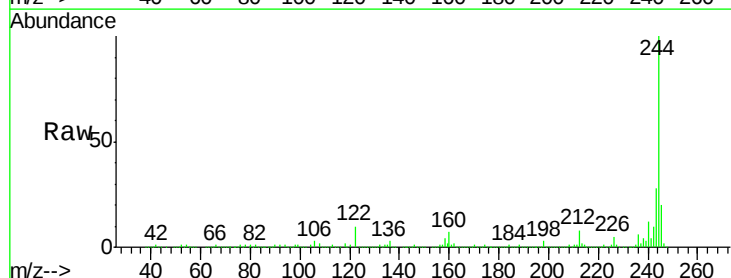
Tgt Ion:244 Resp: 3242842

Ion Ratio Lower Upper

244 100

212 7.8 6.3 9.5

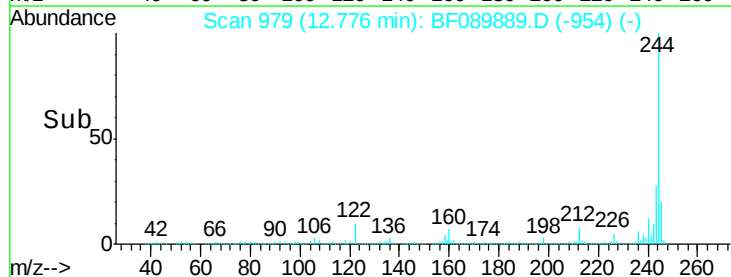
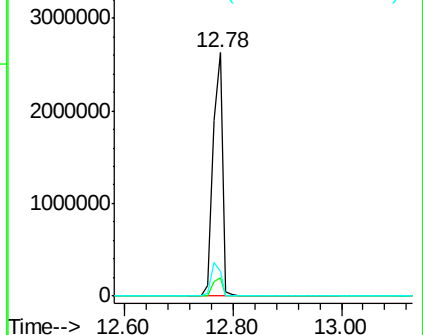
122 10.1 12.0 18.0#

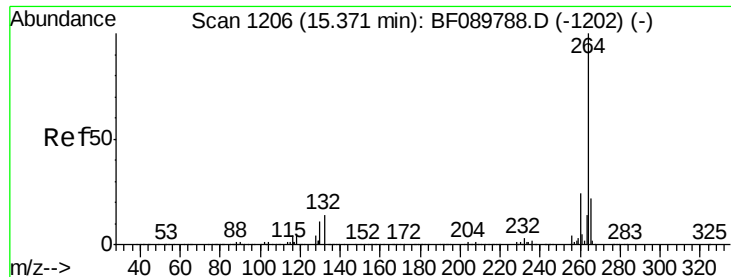


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.27 min Scan# 1197
Delta R.T. -0.10 min
Lab File: BF089889.D
Acq: 24 Aug 2016 21:46

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

Tgt Ion: 264 Resp: 833244
Ion Ratio Lower Upper
264 100
260 24.2 20.2 30.2
265 21.8 17.4 26.2

