

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082416\
 Data File : BF089871.D
 Acq On : 24 Aug 2016 13:50
 Operator : UM/SJ
 Sample : H4551-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AST-2

Quant Time: Aug 25 12:16:41 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

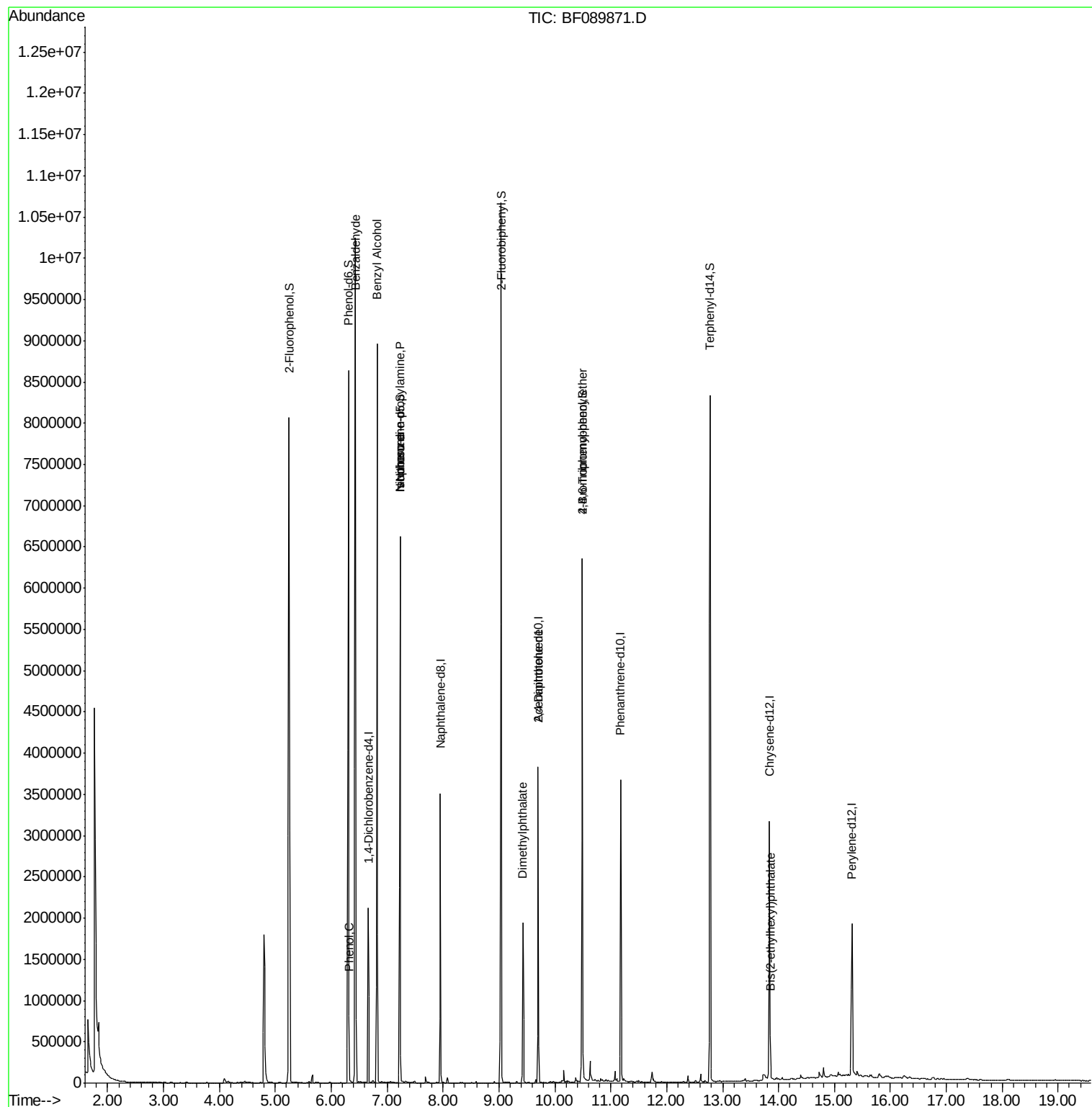
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	376423	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	1572358	20.00	ng	-0.02
38) Acenaphthene-d10	9.70	164	722623	20.00	ng	-0.01
63) Phenanthrene-d10	11.18	188	1307232	20.00	ng	-0.01
75) Chrysene-d12	13.84	240	1119075	20.00	ng	-0.03
86) Perylene-d12	15.31	264	860056	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	3164929	144.19	ng	-0.01
7) Phenol-d6	6.31	99	3641447	135.14	ng	-0.01
23) Nitrobenzene-d5	7.23	82	2300937	90.91	ng	-0.02
41) 2,4,6-Tribromophenol	10.49	330	864193	125.84	ng	-0.01
44) 2-Fluorobiphenyl	9.04	172	3938077	95.78	ng	-0.01
78) Terphenyl-d14	12.78	244	3227249	65.24	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.43	77	67853	3.87	ng	88
10) Phenol	6.32	94	76554	2.42	ng	84
15) Benzyl Alcohol	6.82	79	39031	2.18	ng	# 50
19) n-Nitroso-di-n-propylamine	7.23	70	310818	18.04	ng	# 73
25) Isophorone	7.23	82	1689633	33.10	ng	# 67
49) Dimethylphthalate	9.43	163	926857	18.22	ng	99
56) 2,4-Dinitrotoluene	9.70	165	95477	6.26	ng	# 35
66) 4-Bromophenyl-phenylether	10.49	248	56056	4.09	ng	# 1
83) Bis(2-ethylhexyl)phthalate	13.85	149	233468	4.12	ng	# 97

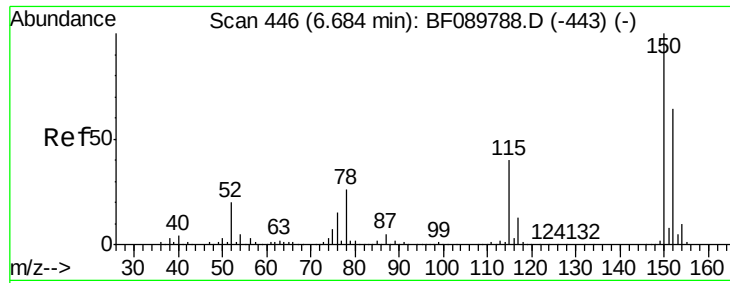
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF089871.D

Acq: 24 Aug 2016 13:50

Instrument :

BNA_F

ClientSampleId :

AST-2

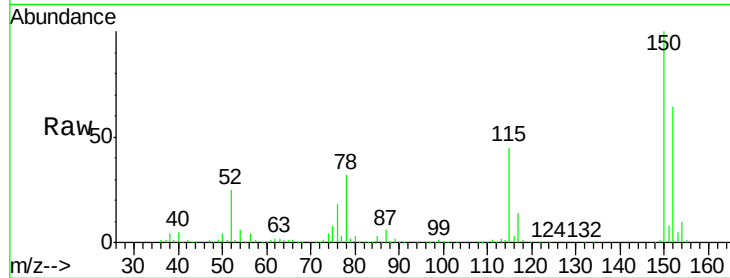
Tgt Ion:152 Resp: 376423

Ion Ratio Lower Upper

152 100

150 156.5 125.3 187.9

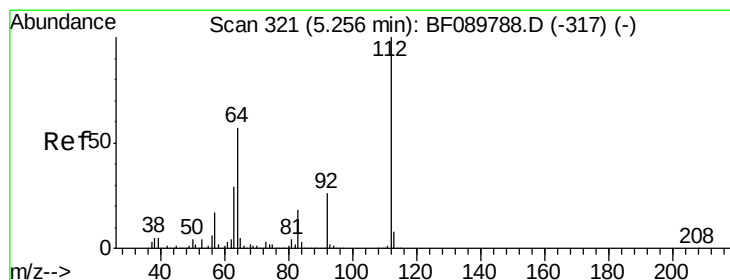
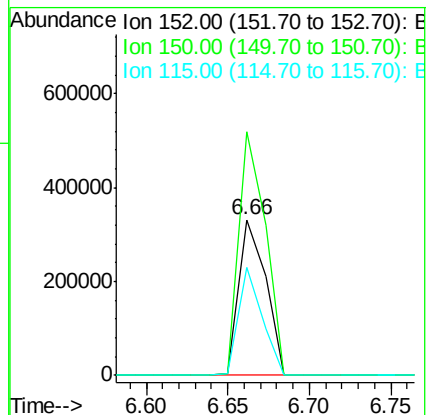
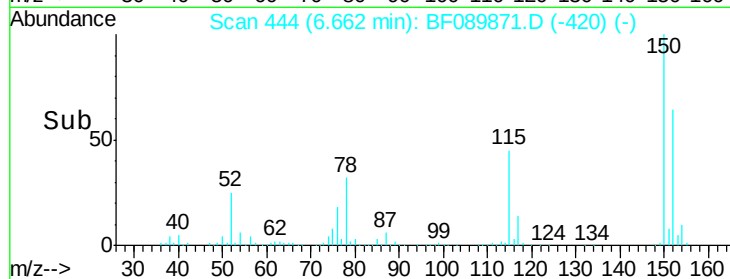
115 69.7 40.9 61.3#



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: 144.19 ng

RT: 5.24 min Scan# 320

Delta R.T. -0.01 min

Lab File: BF089871.D

Acq: 24 Aug 2016 13:50

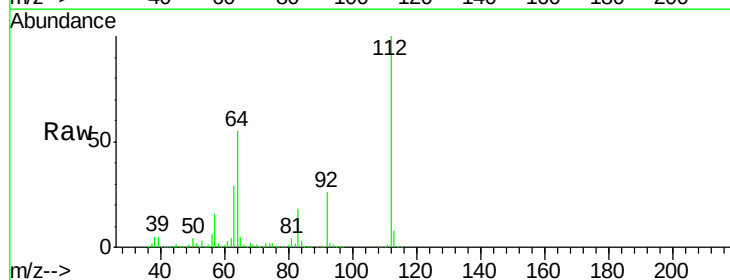
Tgt Ion:112 Resp: 3164929

Ion Ratio Lower Upper

112 100

64 55.4 45.0 67.4

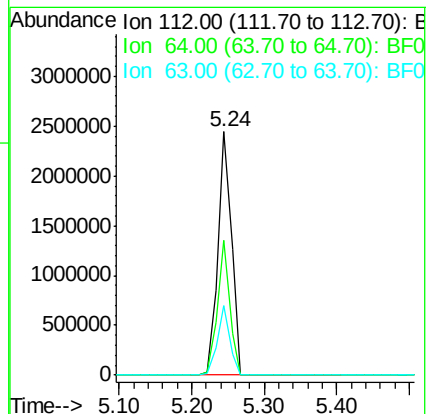
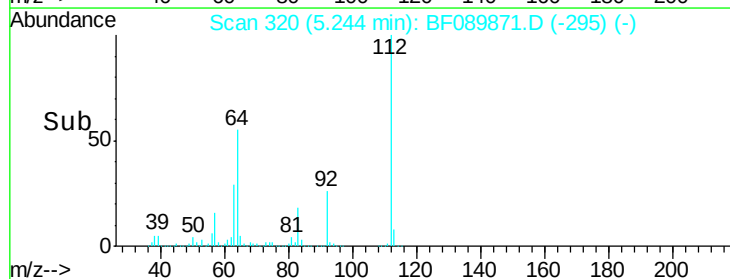
63 28.6 23.1 34.7

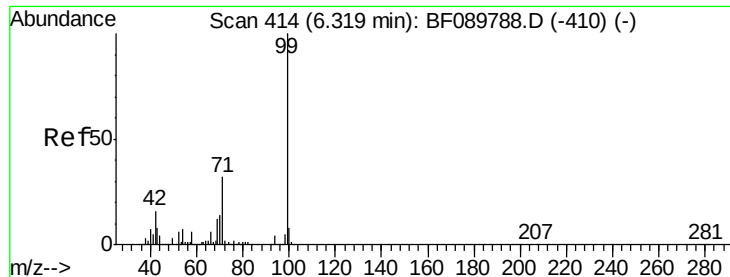


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 135.14 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.01 min

Lab File: BF089871.D

Acq: 24 Aug 2016 13:50

Instrument :

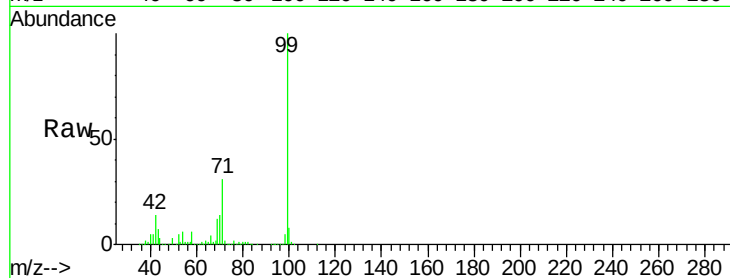
BNA_F

ClientSampleId :

AST-2

Tgt Ion: 99 Resp: 3641447

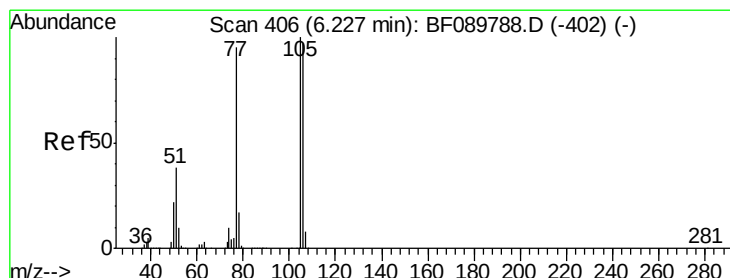
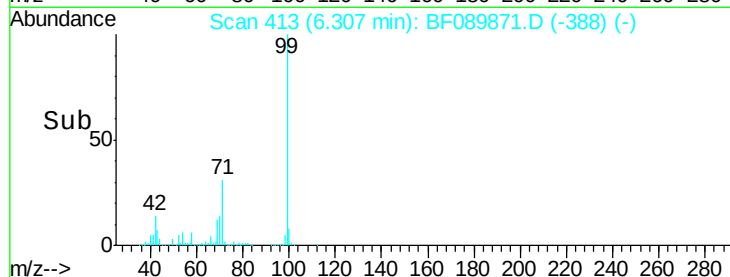
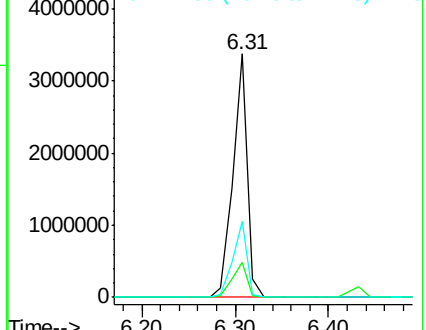
Ion	Ratio	Lower	Upper
99	100		
42	14.4	12.2	18.4
71	31.1	23.8	35.8



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: 3.87 ng

RT: 6.43 min Scan# 424

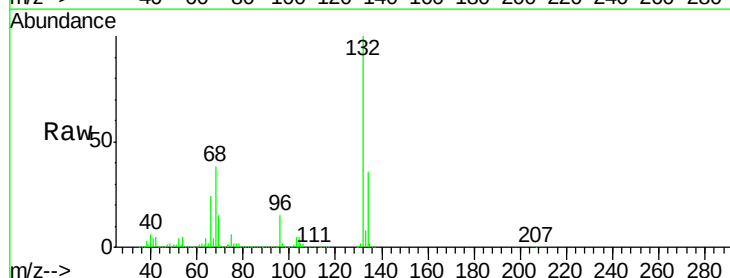
Delta R.T. 0.21 min

Lab File: BF089871.D

Acq: 24 Aug 2016 13:50

Tgt Ion: 77 Resp: 67853

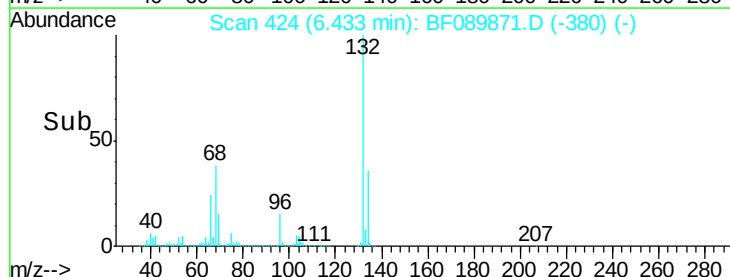
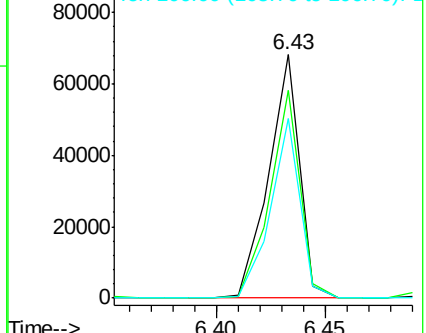
Ion	Ratio	Lower	Upper
77	100		
105	85.2	73.3	113.3
106	73.8	68.6	108.6

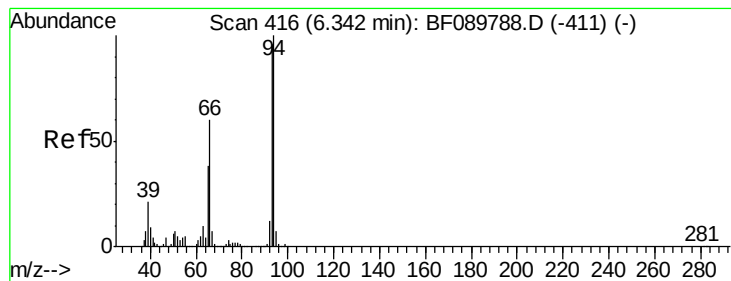


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.42 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.02 min

Lab File: BF089871.D

Acq: 24 Aug 2016 13:50

Instrument :

BNA_F

ClientSampleId :

AST-2

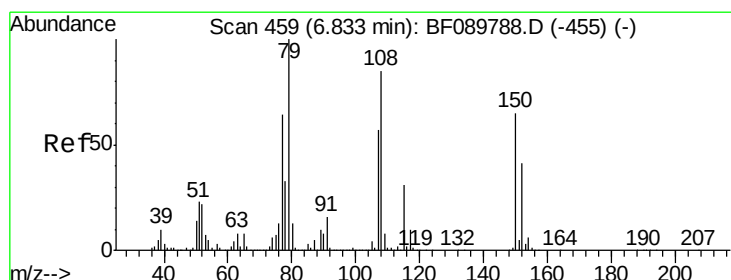
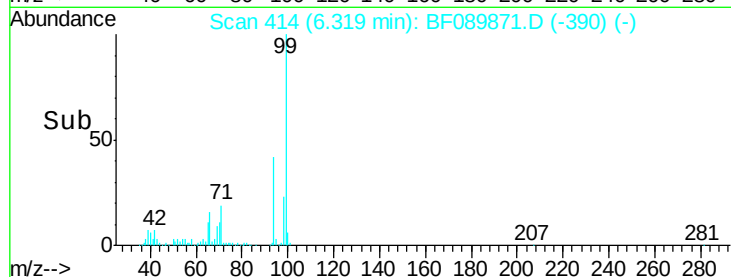
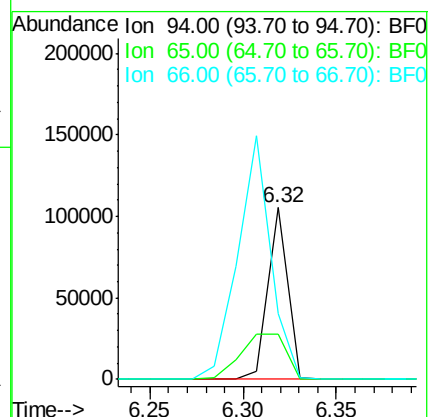
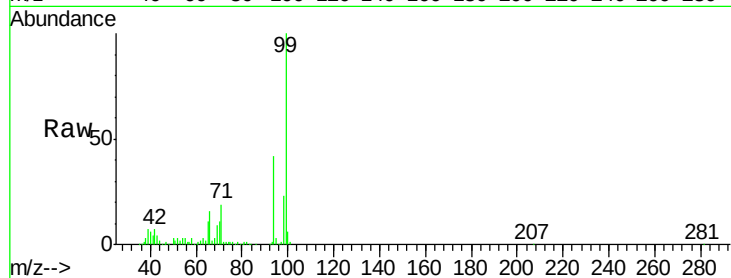
Tgt Ion: 94 Resp: 76554

Ion Ratio Lower Upper

94 100

65 26.4 14.0 54.0

66 38.4 31.2 71.2



#15

Benzyl Alcohol

Concen: 2.18 ng

RT: 6.82 min Scan# 458

Delta R.T. -0.01 min

Lab File: BF089871.D

Acq: 24 Aug 2016 13:50

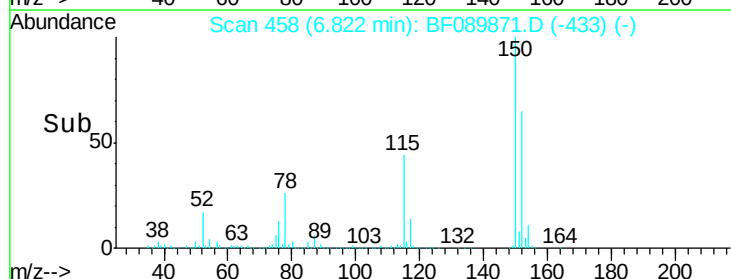
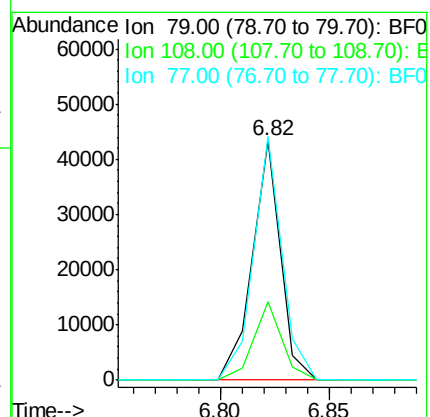
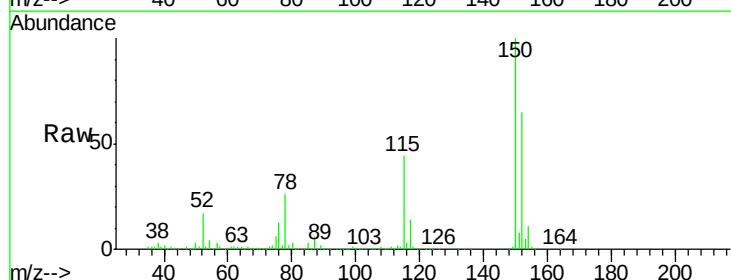
Tgt Ion: 79 Resp: 39031

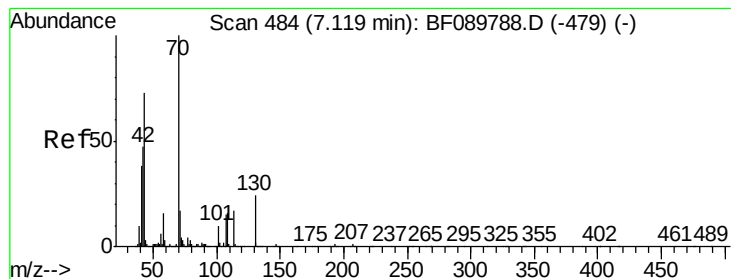
Ion Ratio Lower Upper

79 100

108 32.9 62.5 93.7#

77 101.6 51.5 77.3#





#19

n-Nitroso-di-n-propylamine

Concen: 18.04 ng

RT: 7.23 min Scan# 494

Delta R.T. 0.11 min

Lab File: BF089871.D

Acq: 24 Aug 2016 13:50

Instrument :

BNA_F

ClientSampleId :

AST-2

Tgt Ion: 70 Resp: 310818

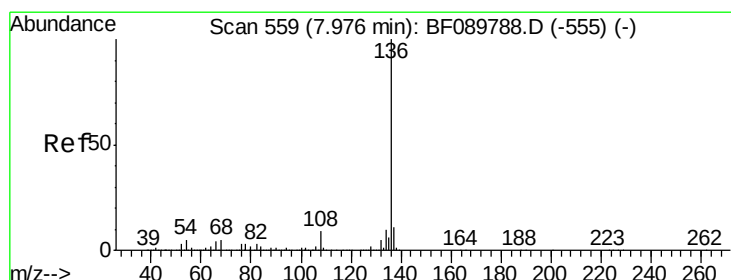
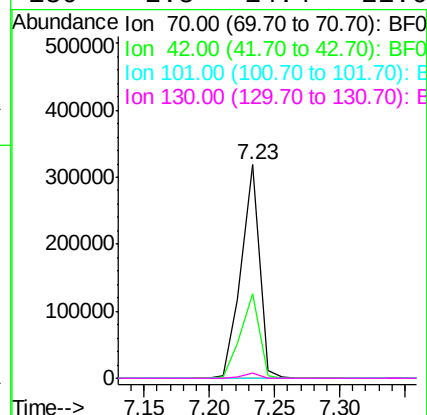
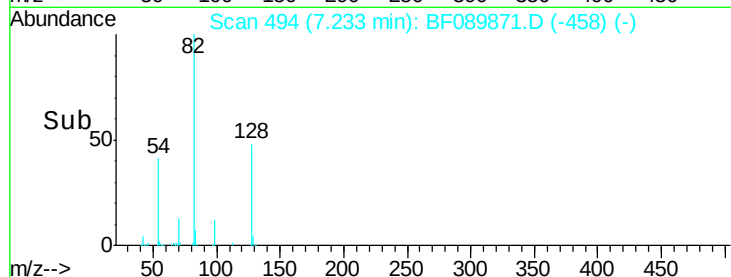
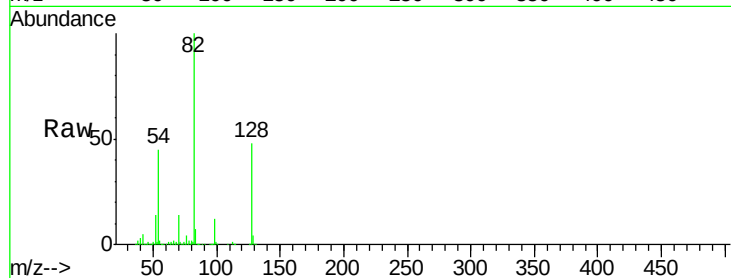
Ion Ratio Lower Upper

70 100

42 39.5 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: BF089871.D

Acq: 24 Aug 2016 13:50

Tgt Ion: 136 Resp: 1572358

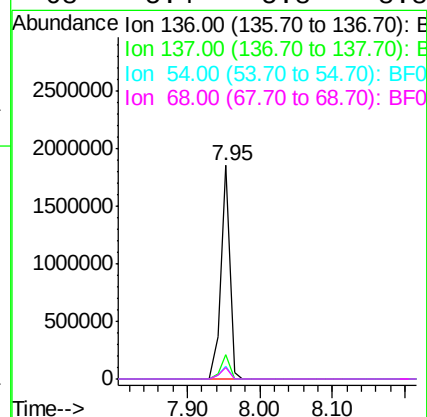
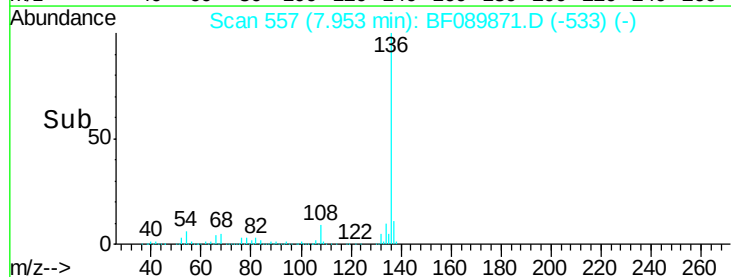
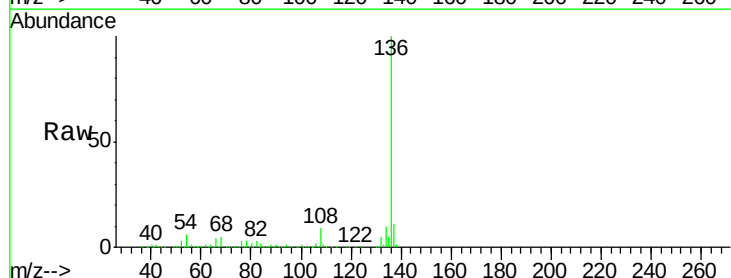
Ion Ratio Lower Upper

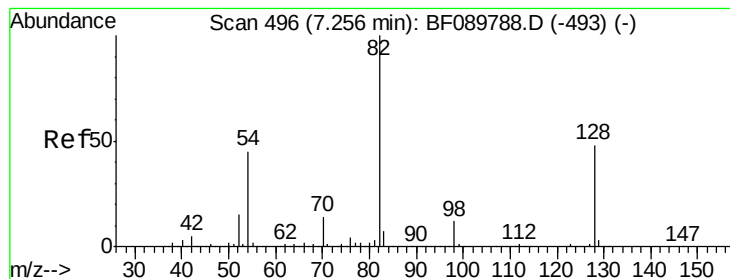
136 100

137 11.3 9.2 13.8

54 6.0 7.2 10.8#

68 5.4 5.8 8.8#





#23

Nitrobenzene-d5

Concen: 90.91 ng

RT: 7.23 min Scan# 494

Delta R.T. -0.02 min

Lab File: BF089871.D

Acq: 24 Aug 2016 13:50

Instrument :

BNA_F

ClientSampled :

AST-2

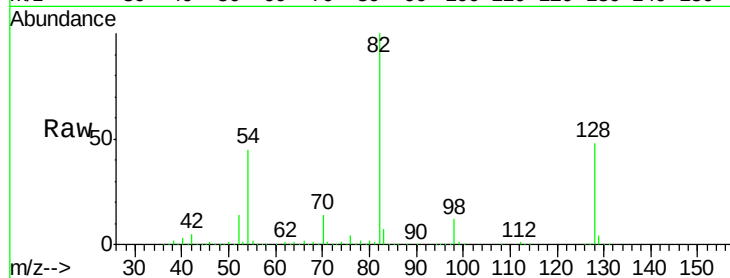
Tgt Ion: 82 Resp: 2300937

Ion Ratio Lower Upper

82 100

128 47.7 34.4 51.6

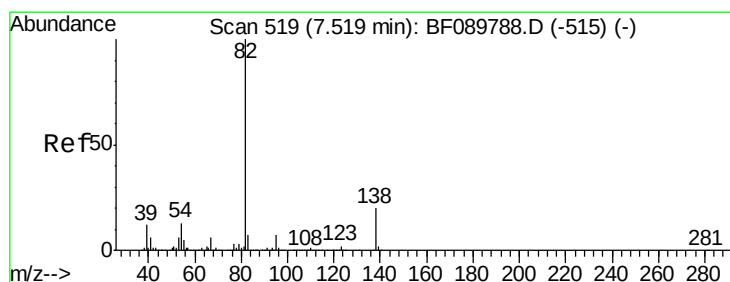
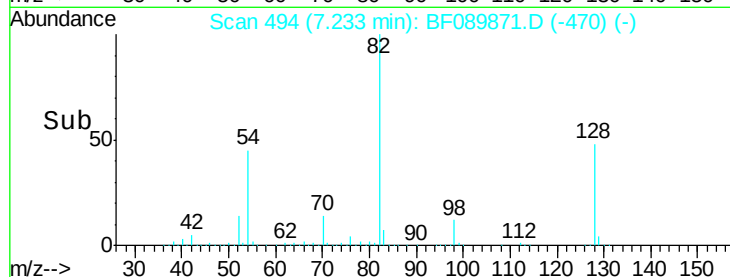
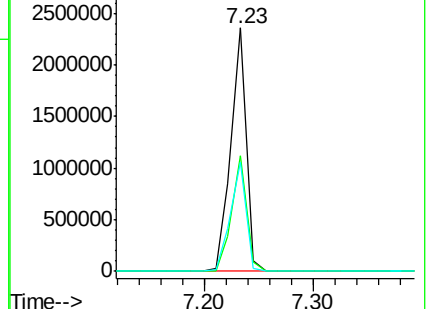
54 44.8 40.3 60.5



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: 33.10 ng

RT: 7.23 min Scan# 494

Delta R.T. -0.29 min

Lab File: BF089871.D

Acq: 24 Aug 2016 13:50

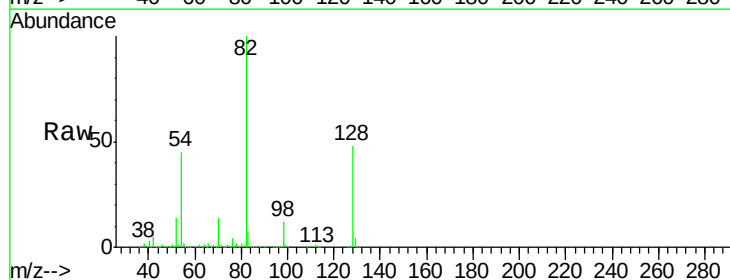
Tgt Ion: 82 Resp: 1689633

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

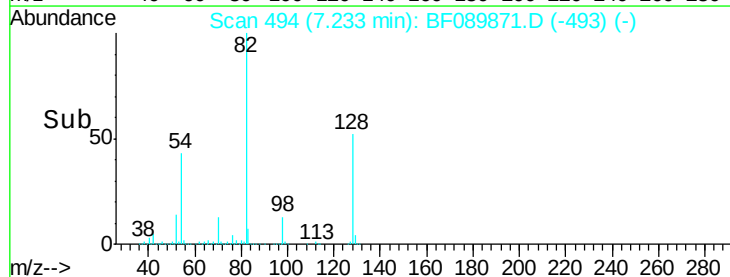
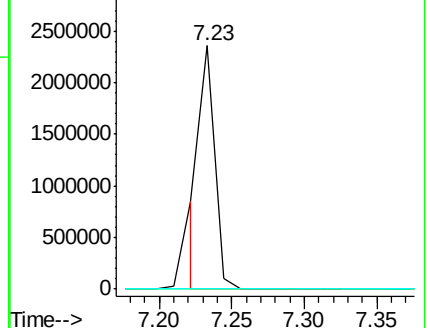
138 0.0 13.0 19.4#

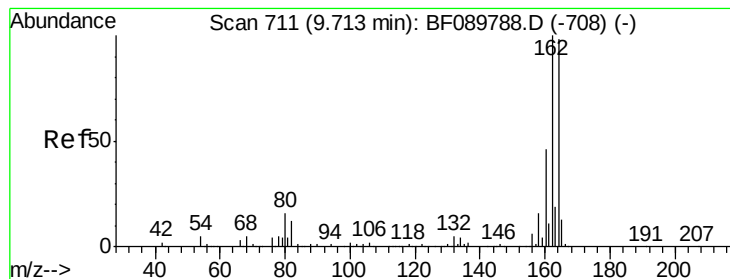


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: BF089871.D

Acq: 24 Aug 2016 13:50

Instrument :

BNA_F

ClientSampleId :

AST-2

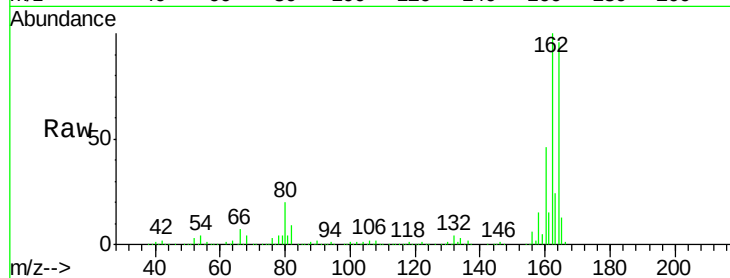
Tgt Ion:164 Resp: 722623

Ion Ratio Lower Upper

164 100

162 103.9 81.4 122.2

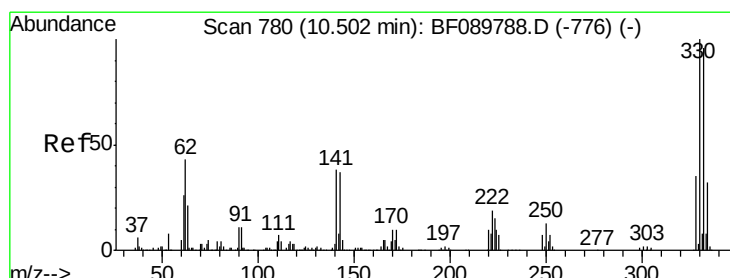
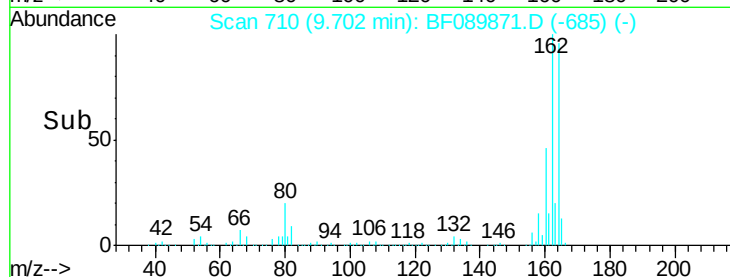
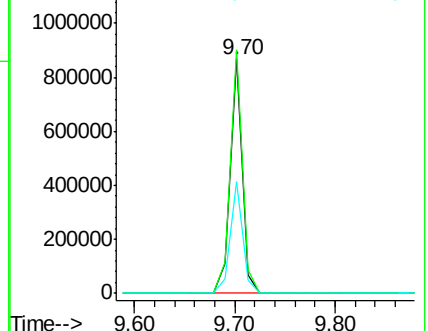
160 47.6 37.8 56.6



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: 125.84 ng

RT: 10.49 min Scan# 779

Delta R.T. -0.01 min

Lab File: BF089871.D

Acq: 24 Aug 2016 13:50

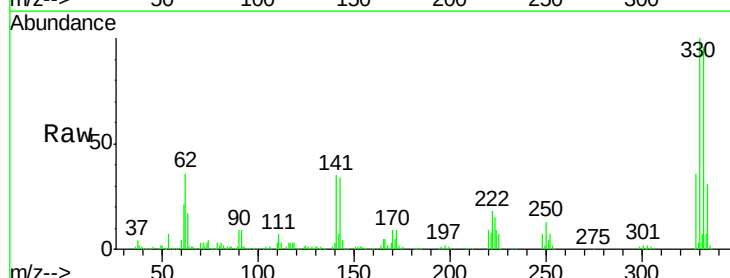
Tgt Ion:330 Resp: 864193

Ion Ratio Lower Upper

330 100

332 95.8 76.7 115.1

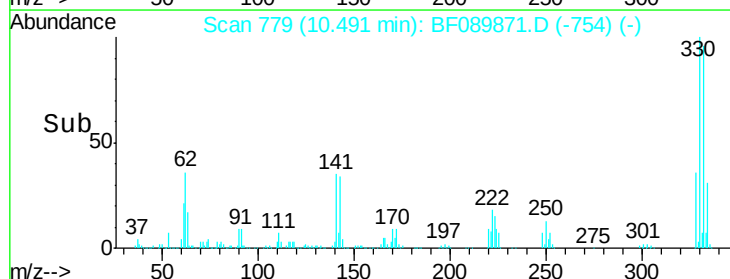
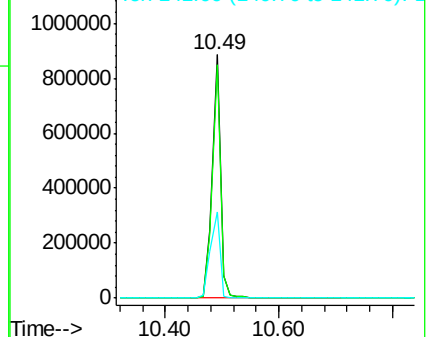
141 40.4 30.2 45.2

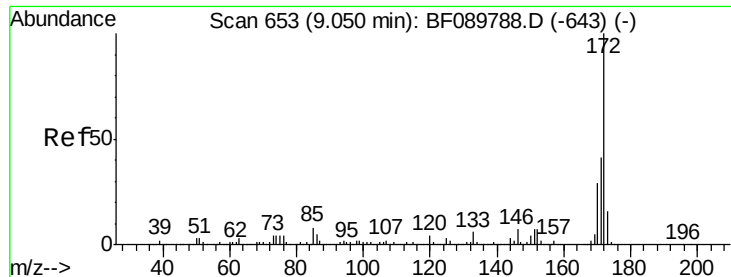


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 95.78 ng

RT: 9.04 min Scan# 652

Delta R.T. -0.01 min

Lab File: BF089871.D

Acq: 24 Aug 2016 13:50

Instrument :

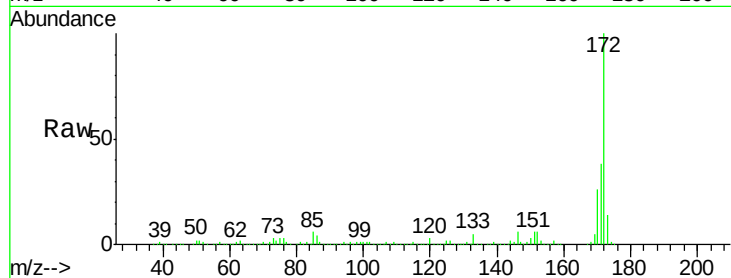
BNA_F

ClientSampleId :

AST-2

Tgt Ion:172 Resp: 3938077

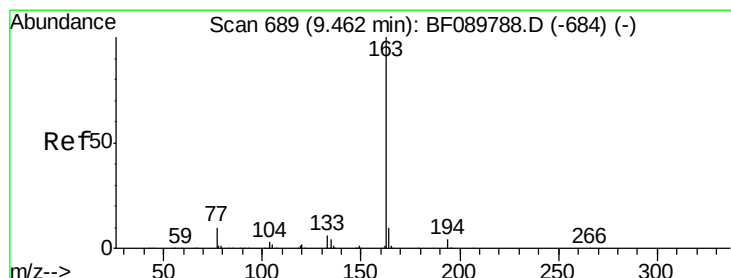
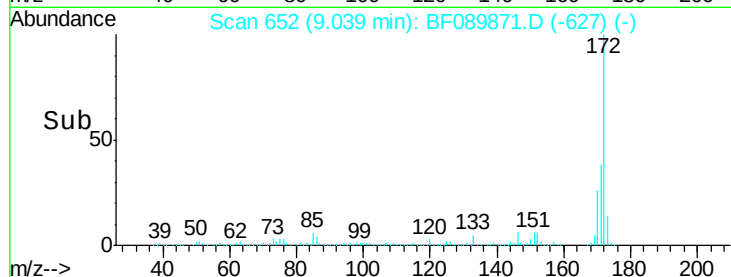
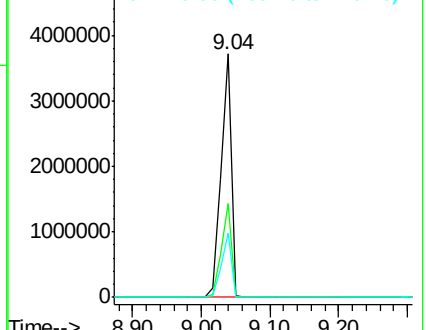
Ion	Ratio	Lower	Upper
172	100		
171	38.3	30.5	45.7
170	26.4	20.6	31.0



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: 18.22 ng

RT: 9.43 min Scan# 686

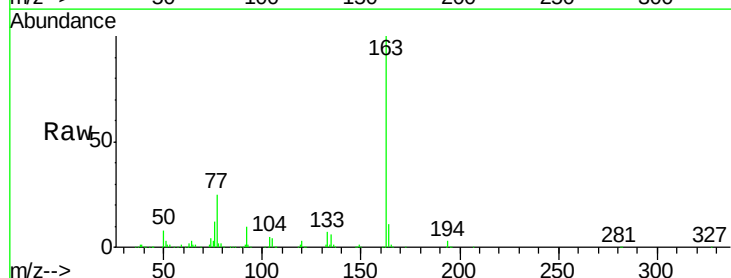
Delta R.T. -0.03 min

Lab File: BF089871.D

Acq: 24 Aug 2016 13:50

Tgt Ion:163 Resp: 926857

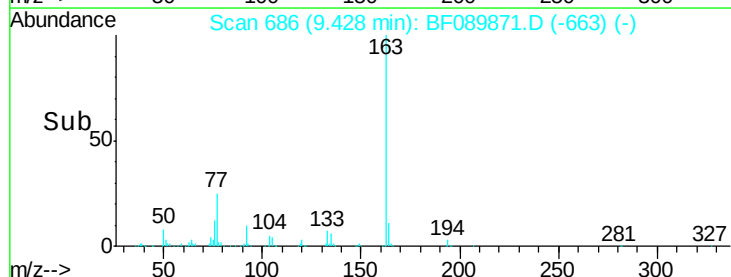
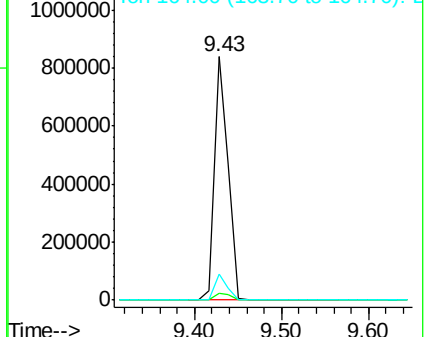
Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.6	3.8
164	10.9	8.6	12.8

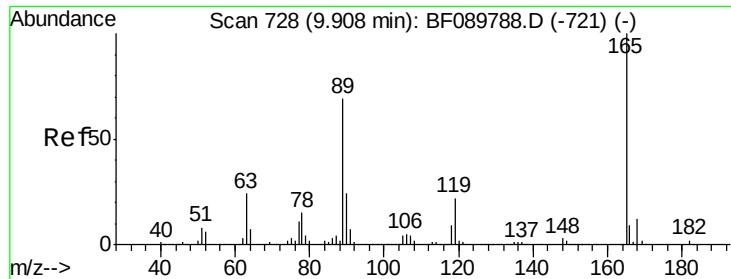


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

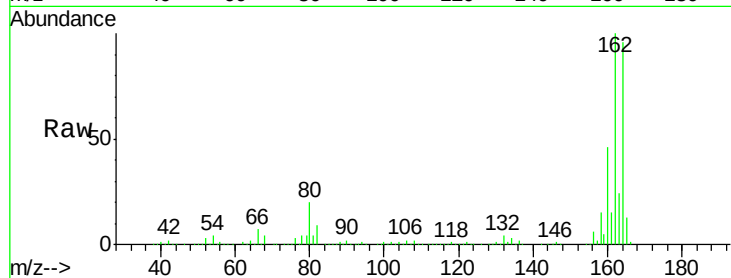




#56
 2,4-Dinitrotoluene
 Concen: 6.26 ng
 RT: 9.70 min Scan# 710
 Delta R.T. -0.21 min
 Lab File: BF089871.D
 Acq: 24 Aug 2016 13:50

Instrument :
 BNA_F
 ClientSampleId :
 AST-2

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	23.7	35.5#
89	1.1	44.0	66.0#
182	0.0	2.0	3.0#

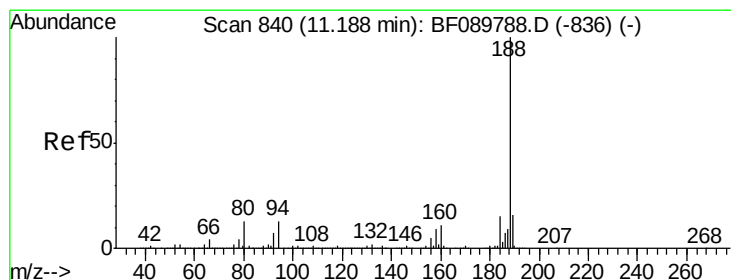
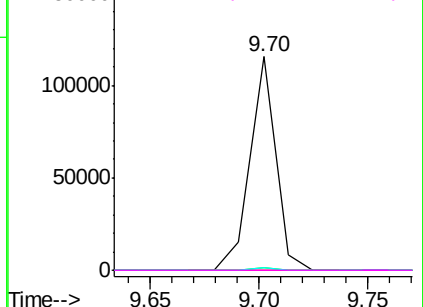
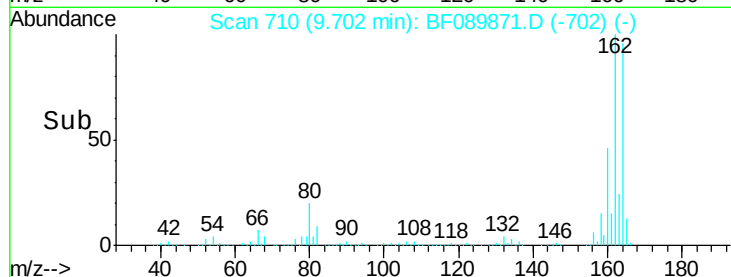


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

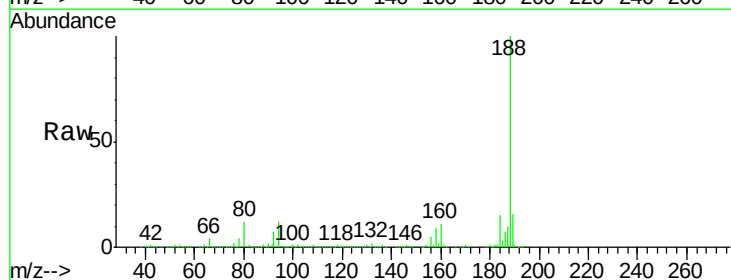
Ion 89.00 (88.70 to 89.70): BF0

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: BF089871.D
 Acq: 24 Aug 2016 13:50

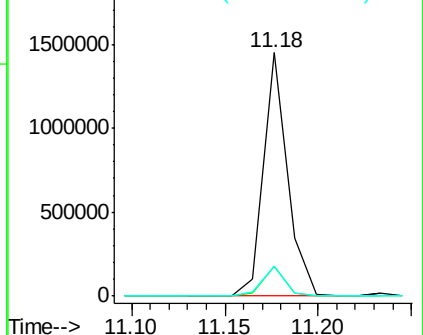
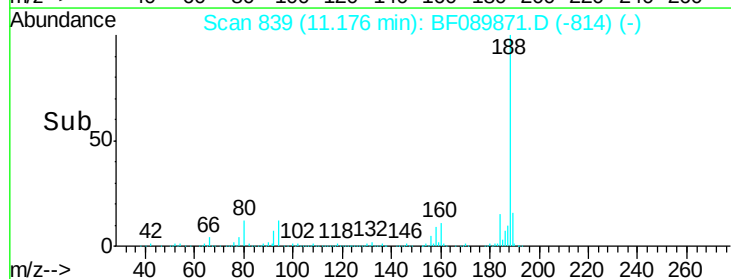
Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.0	10.2	15.2
80	12.1	10.9	16.3

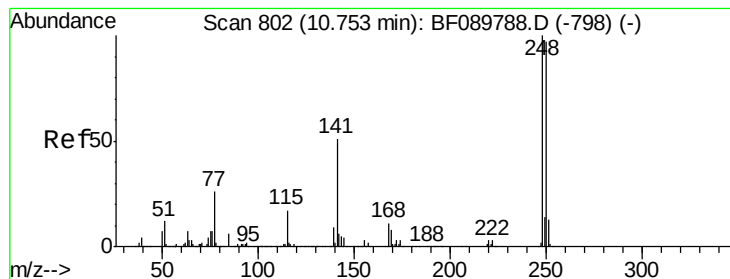


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 4.09 ng

RT: 10.49 min Scan# 779

Delta R.T. -0.26 min

Lab File: BF089871.D

Acq: 24 Aug 2016 13:50

Instrument :

BNA_F

ClientSampleId :

AST-2

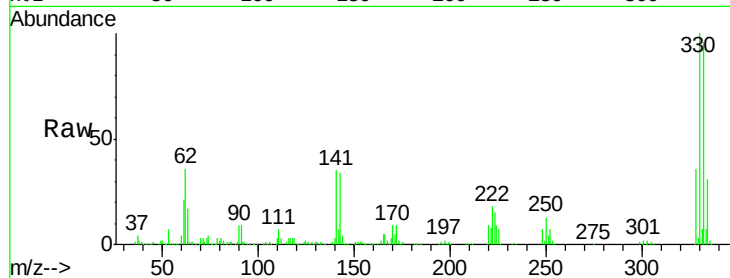
Tgt Ion:248 Resp: 56056

Ion Ratio Lower Upper

248 100

250 192.1 78.6 117.8#

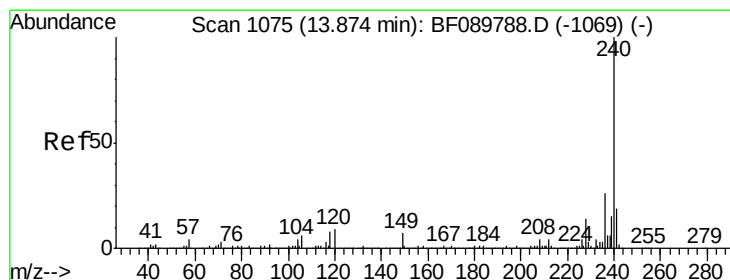
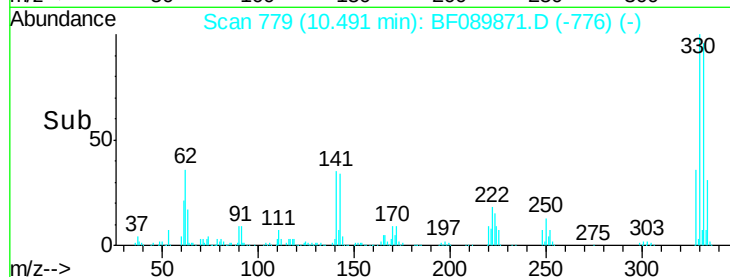
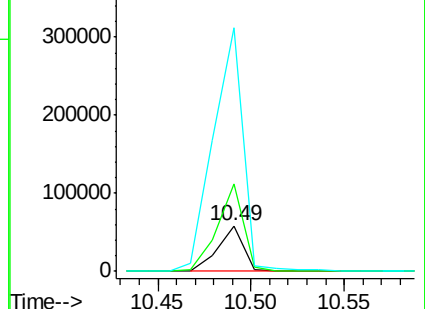
141 532.3 31.4 47.2#



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: 13.84 min Scan# 1072

Delta R.T. -0.03 min

Lab File: BF089871.D

Acq: 24 Aug 2016 13:50

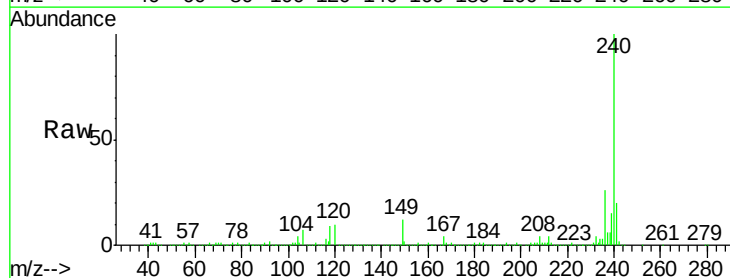
Tgt Ion:240 Resp: 1119075

Ion Ratio Lower Upper

240 100

120 10.3 8.3 12.5

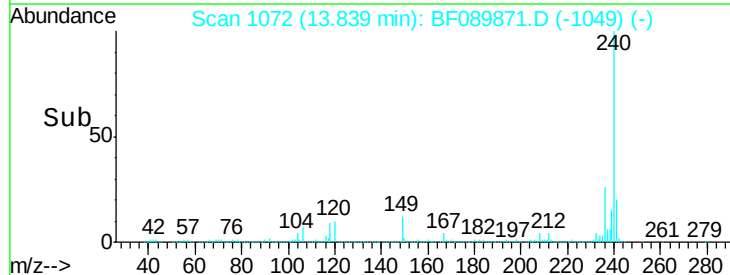
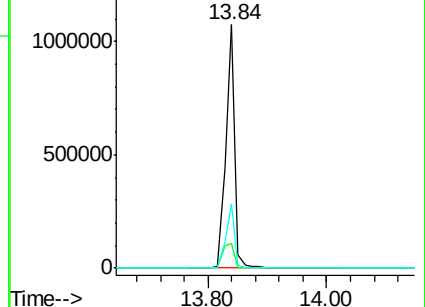
236 26.3 21.3 31.9

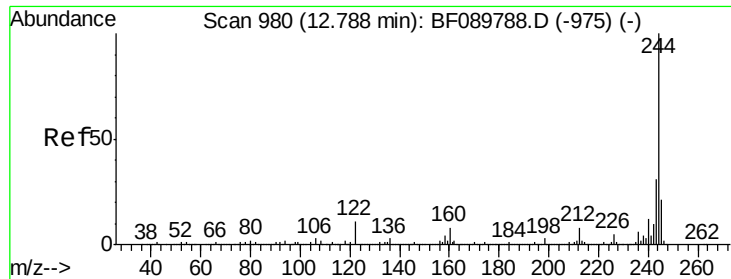


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

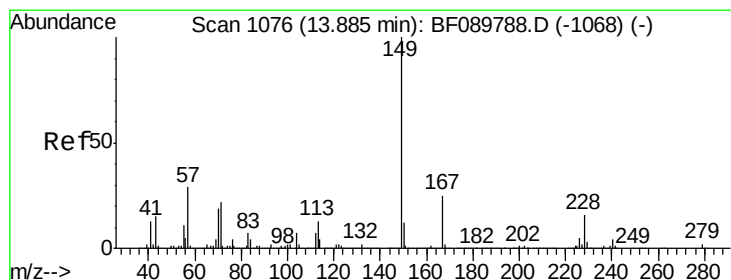
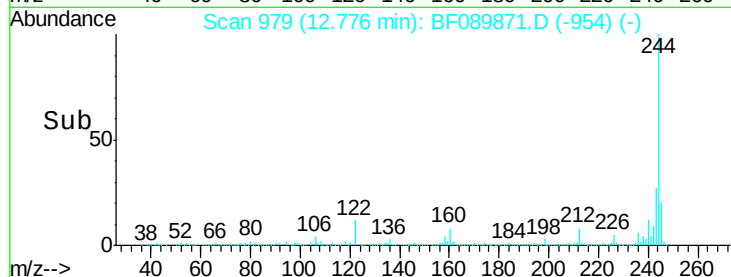
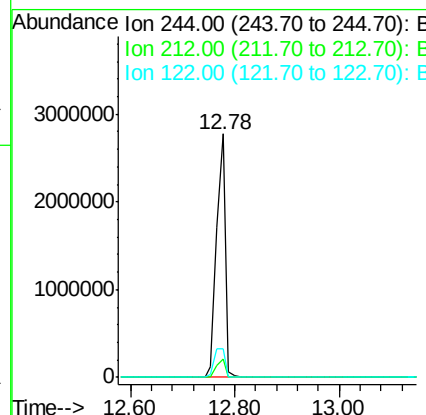
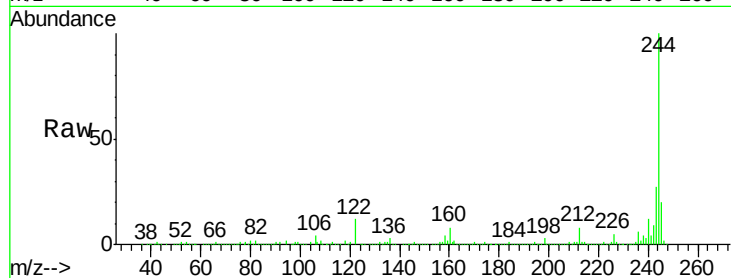




#78
 Terphenyl-d14
 Concen: 65.24 ng
 RT: 12.78 min Scan# 979
 Delta R.T. -0.01 min
 Lab File: BF089871.D
 Acq: 24 Aug 2016 13:50

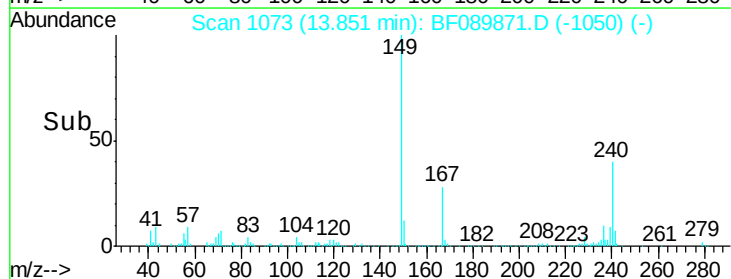
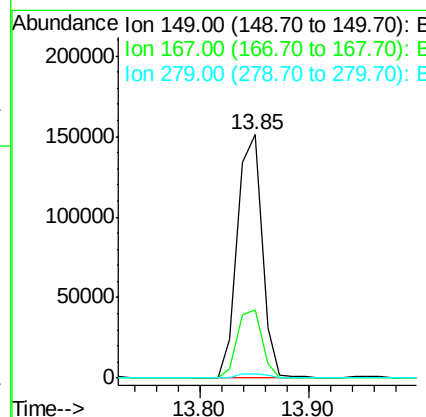
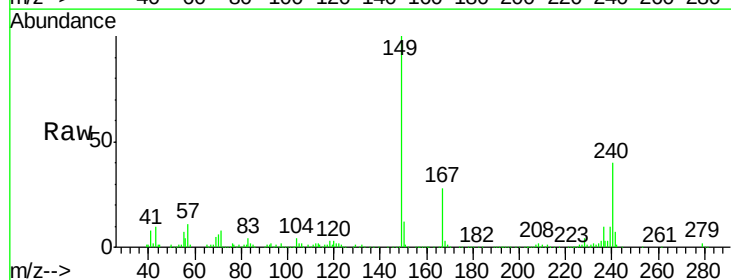
Instrument :
 BNA_F
 ClientSampleId :
 AST-2

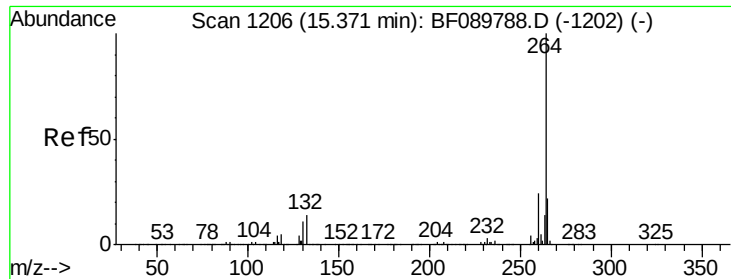
Tgt Ion:244 Resp: 3227249
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.3 9.5
 122 11.5 12.0 18.0#



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.12 ng
 RT: 13.85 min Scan# 1073
 Delta R.T. -0.03 min
 Lab File: BF089871.D
 Acq: 24 Aug 2016 13:50

Tgt Ion:149 Resp: 233468
 Ion Ratio Lower Upper
 149 100
 167 27.8 21.2 31.8
 279 1.7 2.9 4.3#

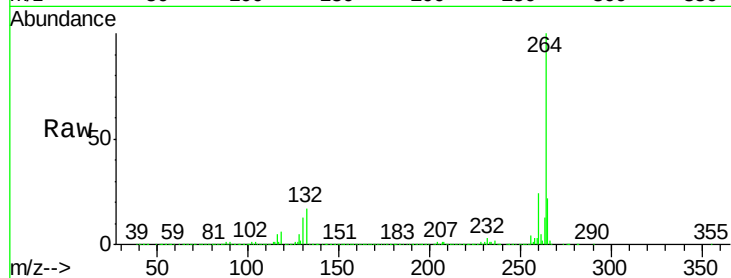




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.31 min Scan# 1201
Delta R.T. -0.06 min
Lab File: BF089871.D
Acq: 24 Aug 2016 13:50

Instrument :
BNA_F
ClientSampleId :
AST-2

Tgt Ion: 264 Resp: 860056
Ion Ratio Lower Upper
264 100
260 23.5 20.2 30.2
265 21.6 17.4 26.2



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

