

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 :

Quant Time: Aug 24 18:41:48 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 16 19:45:04 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	-0.03
21) Naphthalene-d8	7.95	136	1572358	20.00	ng	-0.03
38) Acenaphthene-d10	9.70	164	722623	20.00	ng	-0.03
63) Phenanthrene-d10	11.18	188	1307232	20.00	ng	-0.03
75) Chrysene-d12	13.84	240	1119075	20.00	ng	-0.06
86) Perylene-d12	15.31	264	860056	20.00	ng	-0.09

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.24	112	3164929	140.29	ng	-0.03
7) Phenol-d6	6.31	99	3641447	126.90	ng	-0.02
23) Nitrobenzene-d5	7.23	82	2300937	89.36	ng	-0.03
41) 2,4,6-Tribromophenol	10.49	330	864193	123.62	ng	-0.03
44) 2-Fluorobiphenyl	9.04	172	3938077	87.45	ng	-0.03
78) Terphenyl-d14	12.78	244	3227249	86.15	ng	-0.03

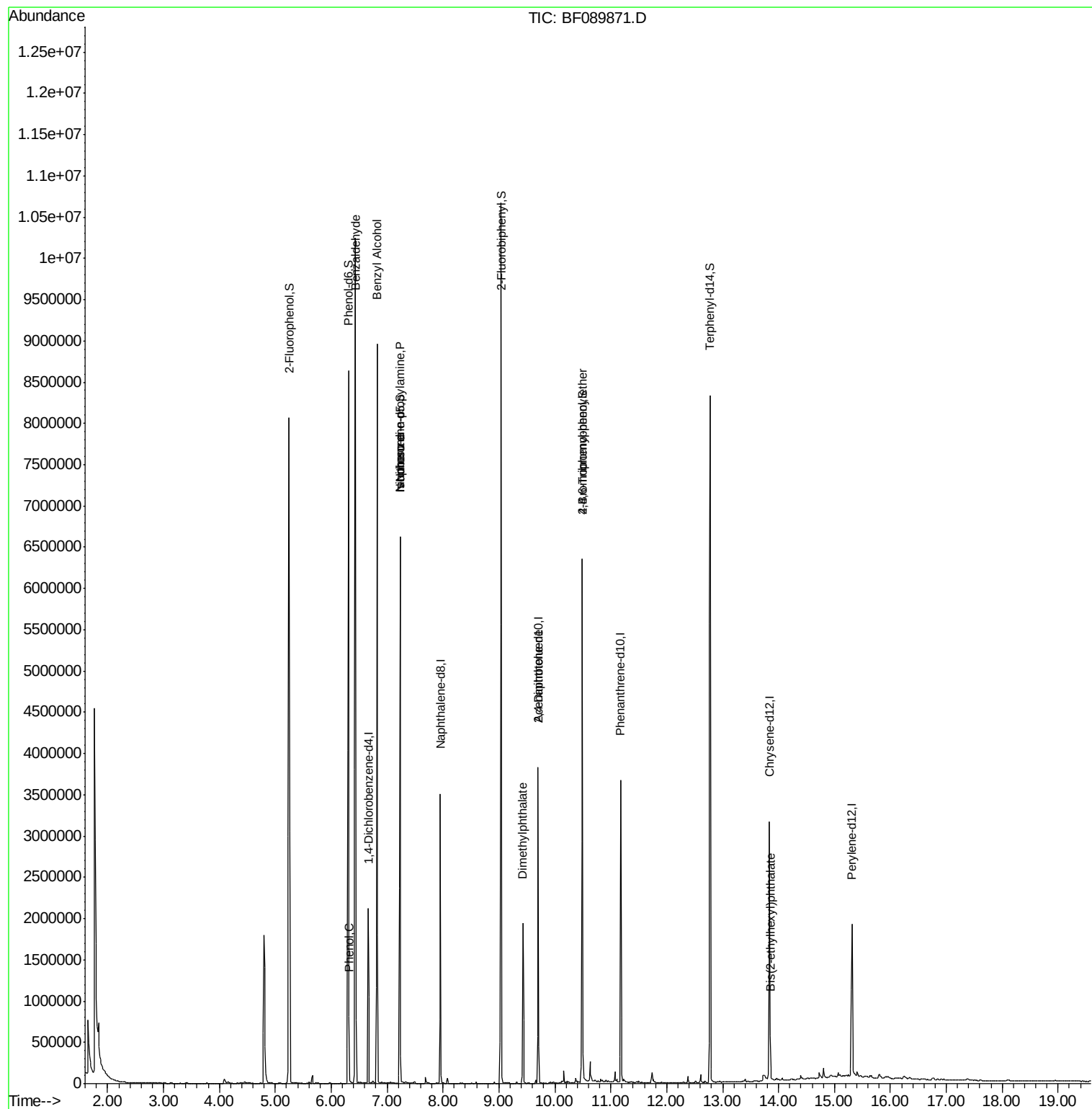
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	67853	3.57	ng	88
10) Phenol	6.32	94	76554	2.14	ng	84
15) Benzyl Alcohol	6.82	79	39031	2.04	ng	# 50
19) n-Nitroso-di-n-propylamine	7.23	70	310818	16.54	ng	# 73
25) Isophorone	7.23	82	1689633	32.79	ng	# 67
49) Dimethylphthalate	9.43	163	926857	17.73	ng	99
56) 2,4-Dinitrotoluene	9.70	165	95477	6.28	ng	# 35
66) 4-Bromophenyl-phenylether	10.49	248	56056	4.14	ng	# 1
83) Bis(2-ethylhexyl)phthalate	13.85	149	233468	4.80	ng	# 97

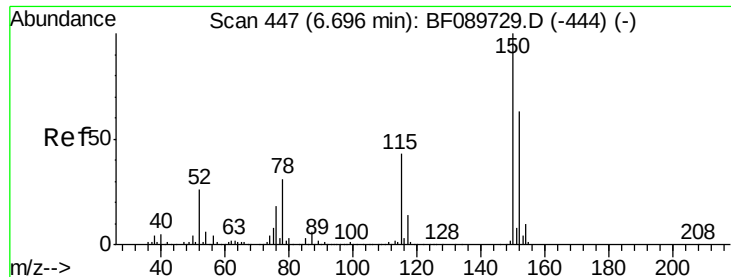
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 444

Delta R.T. -0.03 min

Lab File: BF089871.D

Acq: 24 Aug 2016 13:50

Instrument :

BNA_F

ClientSampleId :

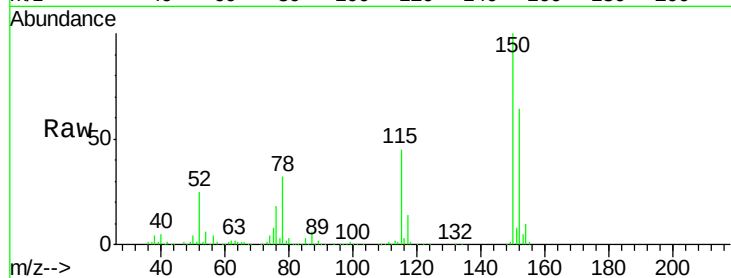
Tot Ion:152 Resp: 376423

Ion Ratio Lower Upper

152 100

150 156.5 125.3 187.9

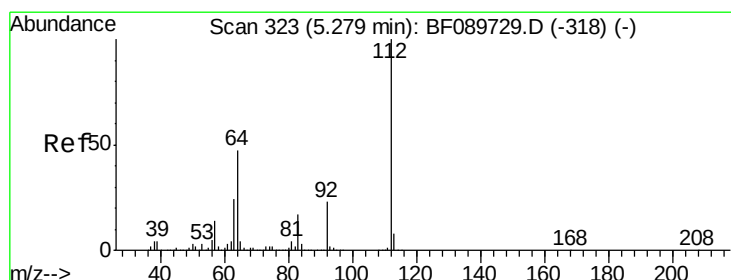
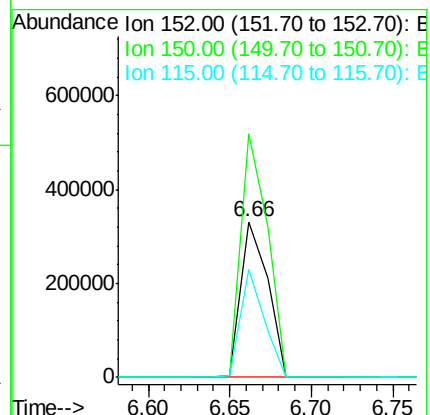
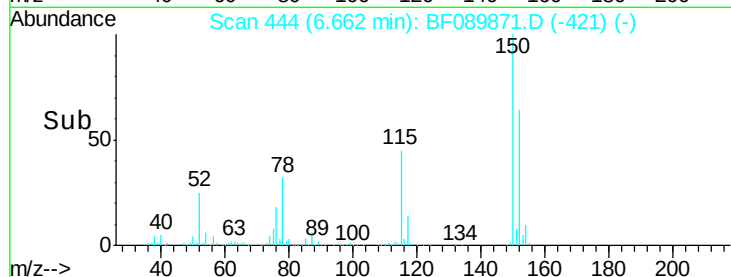
115 69.7 40.9 61.3#



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: 140.29 ng

RT: 5.24 min Scan# 320

Delta R.T. -0.03 min

Lab File: BF089871.D

Acq: 24 Aug 2016 13:50

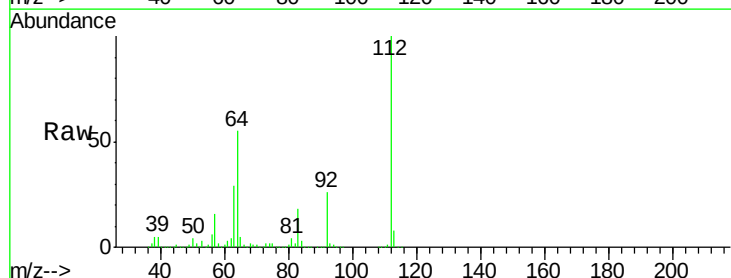
Tgt Ion:112 Resp: 3164929

Ion Ratio Lower Upper

112 100

64 55.4 45.0 67.4

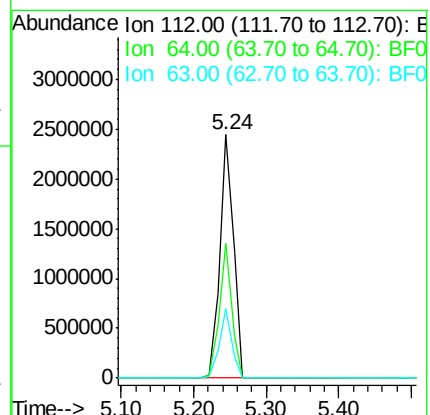
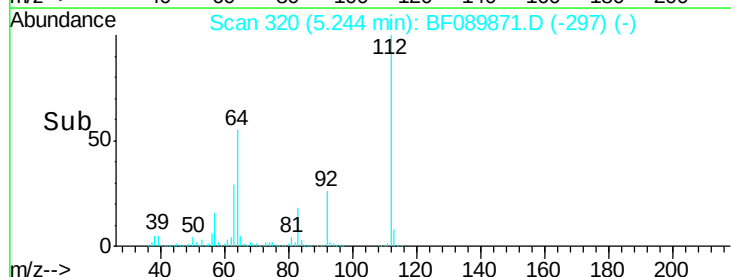
63 28.6 23.1 34.7

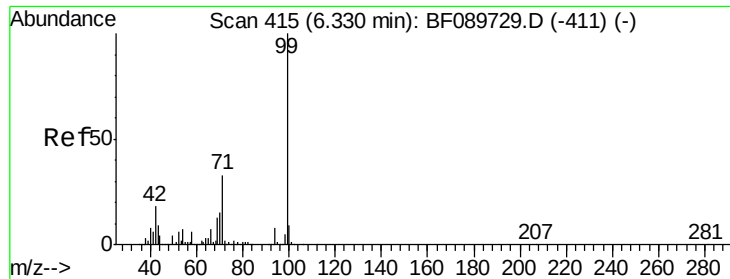


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 126.90 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.02 min

Lab File: BF089871.D

Acq: 24 Aug 2016 13:50

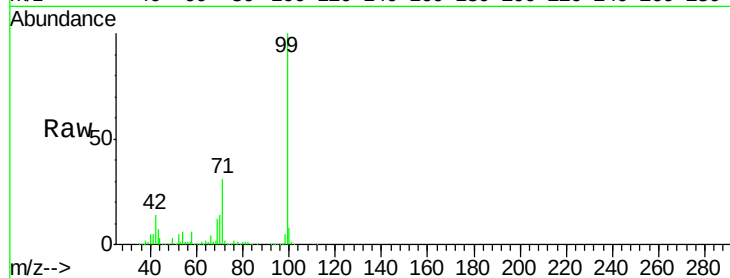
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 3641447

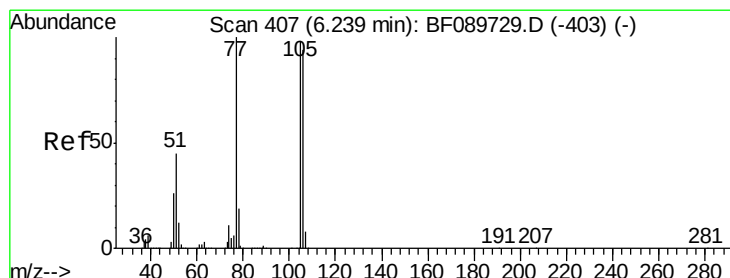
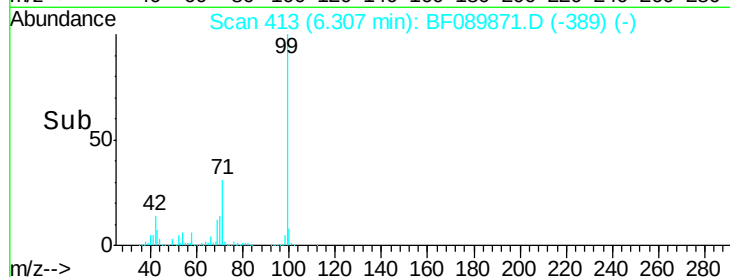
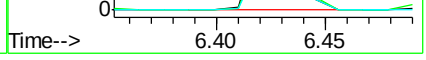
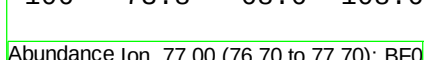
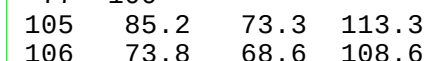
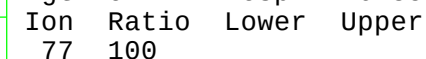
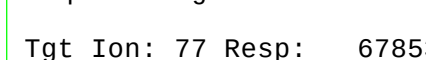
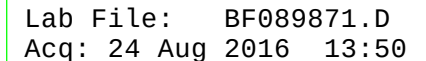
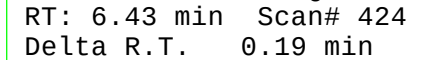
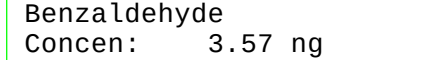
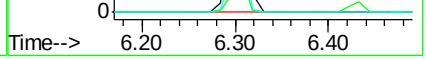
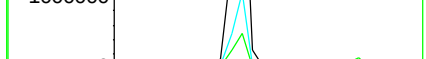
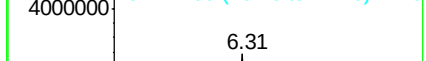
Ion	Ratio	Lower	Upper
99	100		
42	14.4	12.2	18.4
71	31.1	23.8	35.8



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: 3.57 ng

RT: 6.43 min Scan# 424

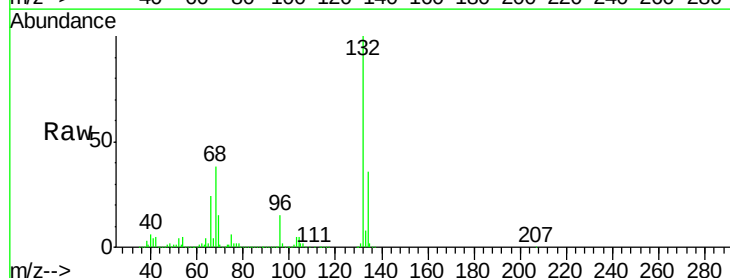
Delta R.T. 0.19 min

Lab File: BF089871.D

Acq: 24 Aug 2016 13:50

Tgt Ion: 77 Resp: 67853

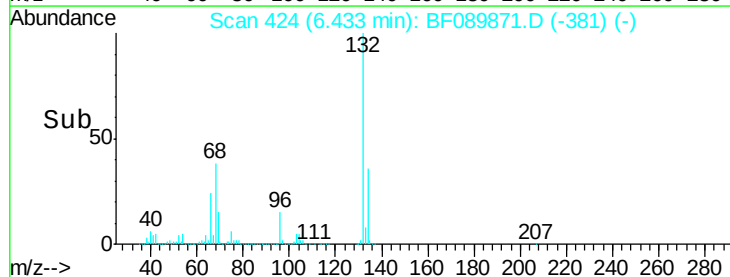
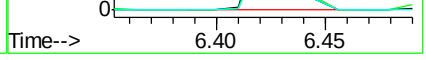
Ion	Ratio	Lower	Upper
77	100		
105	85.2	73.3	113.3
106	73.8	68.6	108.6

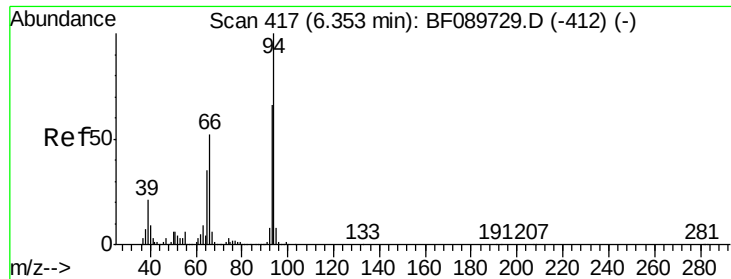


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.14 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.03 min

Lab File: BF089871.D

Acq: 24 Aug 2016 13:50

Instrument :

BNA_F

ClientSampleId :

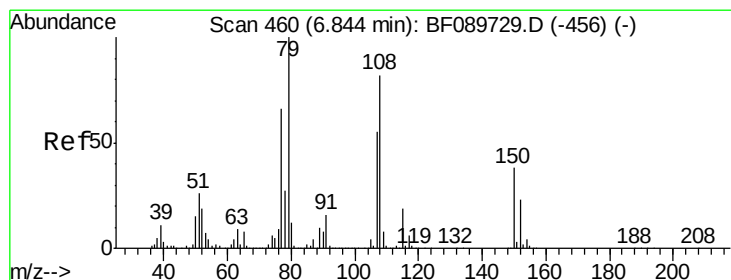
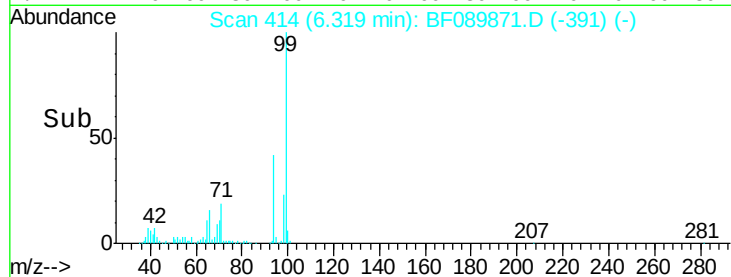
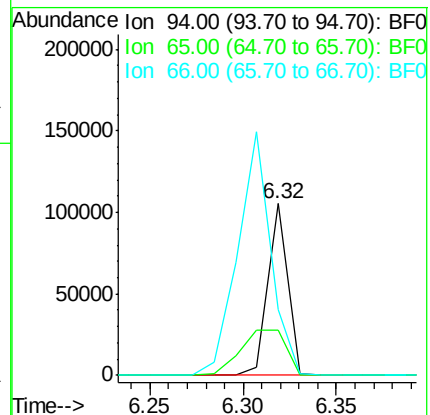
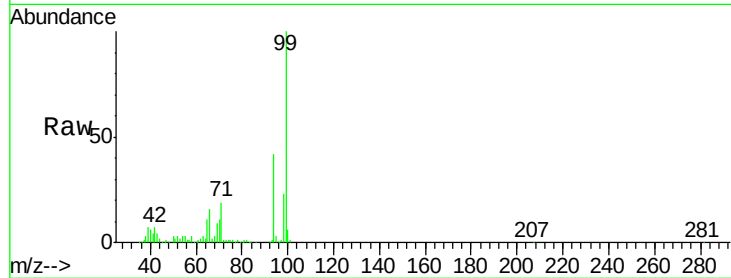
Tot Ion: 94 Resp: 76554

Ion Ratio Lower Upper

94 100

65 26.4 14.0 54.0

66 38.4 31.2 71.2



#15

Benzyl Alcohol

Concen: 2.04 ng

RT: 6.82 min Scan# 458

Delta R.T. -0.02 min

Lab File: BF089871.D

Acq: 24 Aug 2016 13:50

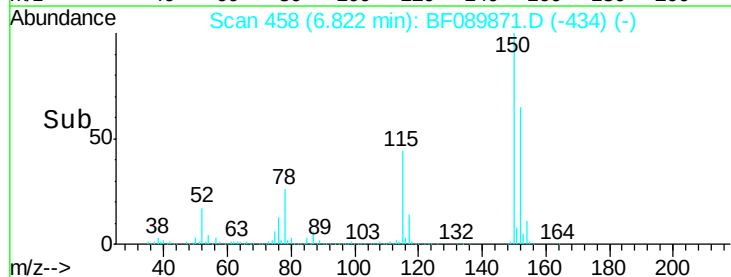
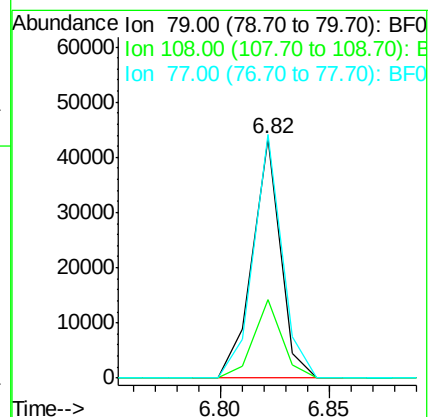
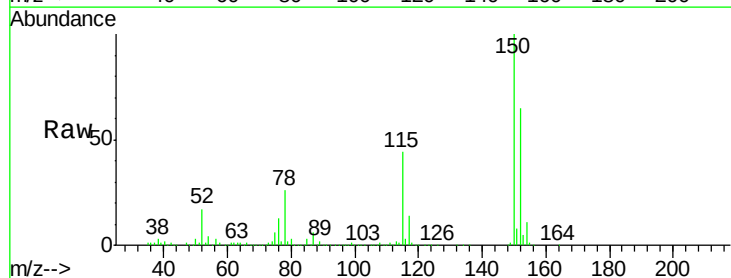
Tgt Ion: 79 Resp: 39031

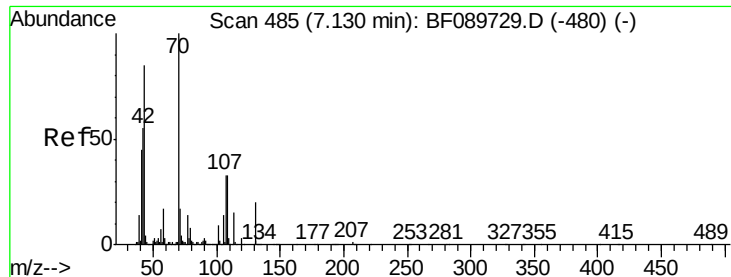
Ion Ratio Lower Upper

79 100

108 32.9 62.5 93.7#

77 101.6 51.5 77.3#





#19

n-Nitroso-di-n-propylamine

Concen: 16.54 ng

RT: 7.23 min Scan# 494

Delta R.T. 0.10 min

Lab File: BF089871.D

Acq: 24 Aug 2016 13:50

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 310818

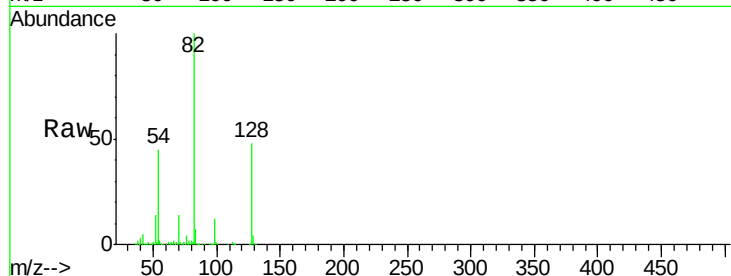
Ion Ratio Lower Upper

70 100

42 39.5 46.3 69.5#

101 0.0 7.0 10.6#

130 2.5 14.4 21.6#

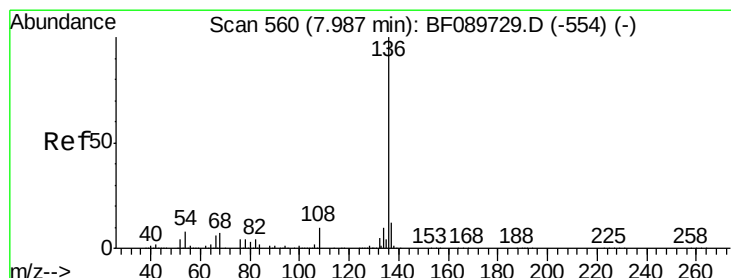
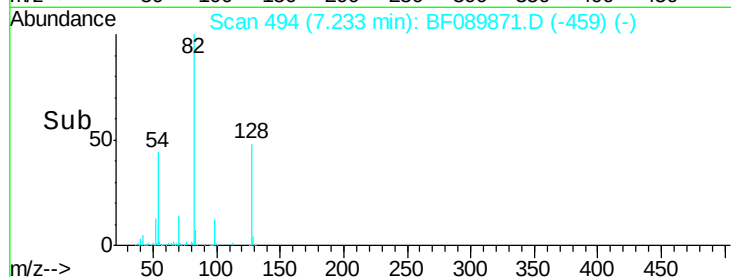
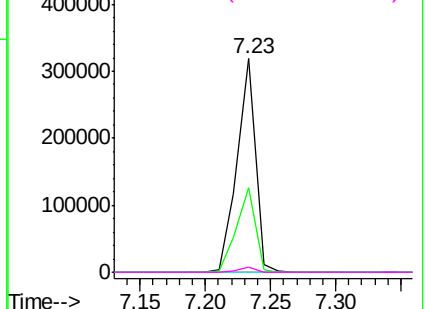


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.95 min Scan# 557

Delta R.T. -0.03 min

Lab File: BF089871.D

Acq: 24 Aug 2016 13:50

Tgt Ion: 136 Resp: 1572358

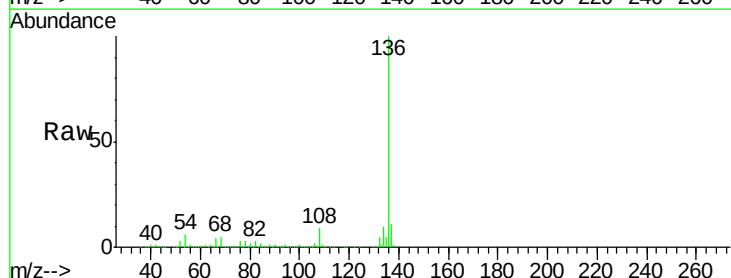
Ion Ratio Lower Upper

136 100

137 11.3 9.2 13.8

54 6.0 7.2 10.8#

68 5.4 5.8 8.8#

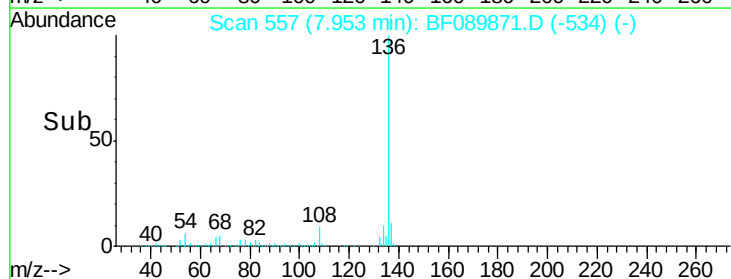
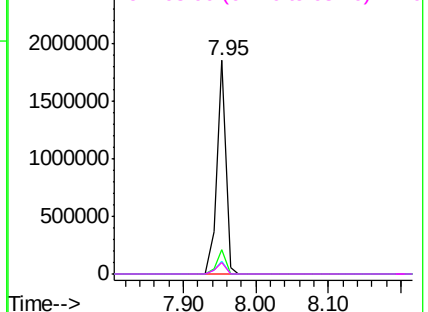


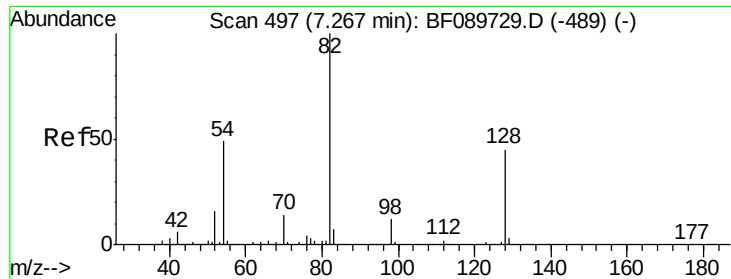
Abundance Ion 136.00 (135.70 to 136.70): E

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

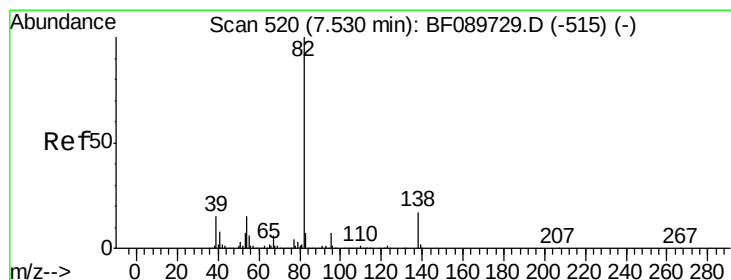
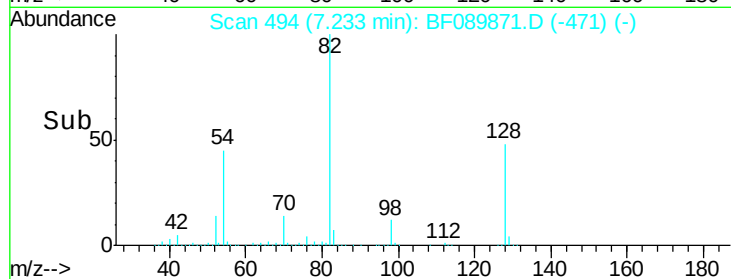
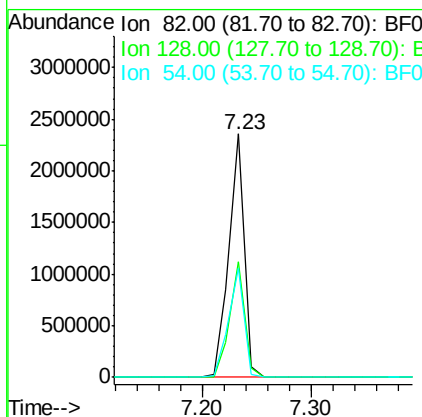
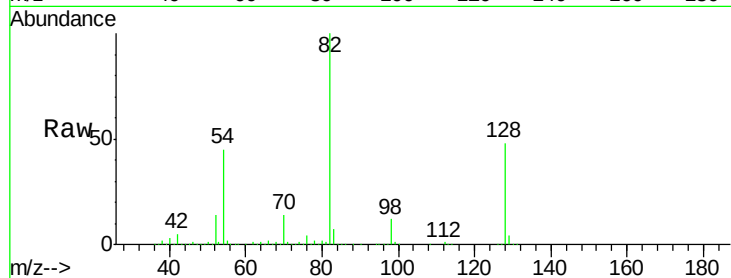




#23
Nitrobenzene-d5
Concen: 89.36 ng
RT: 7.23 min Scan# 494
Delta R.T. -0.03 min
Lab File: BF089871.D
Acq: 24 Aug 2016 13:50

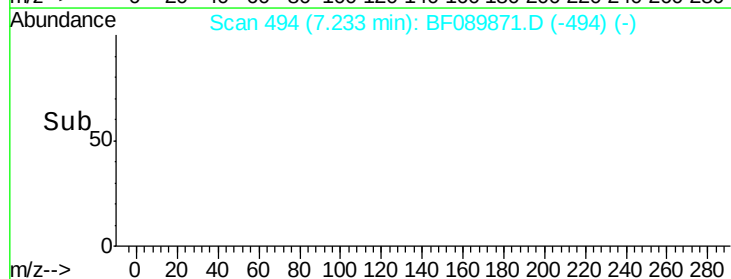
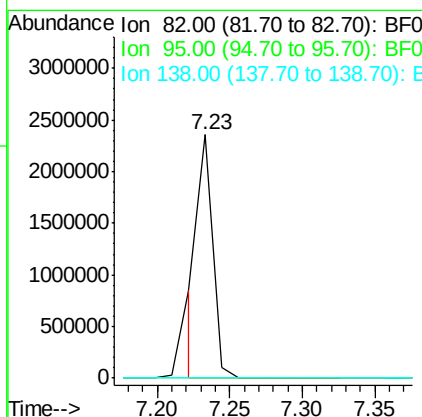
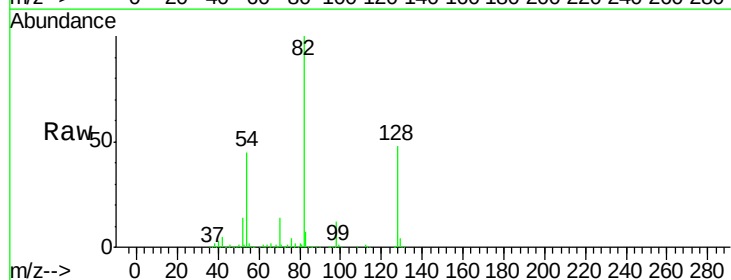
Instrument :
BNA_F
ClientSampleId :

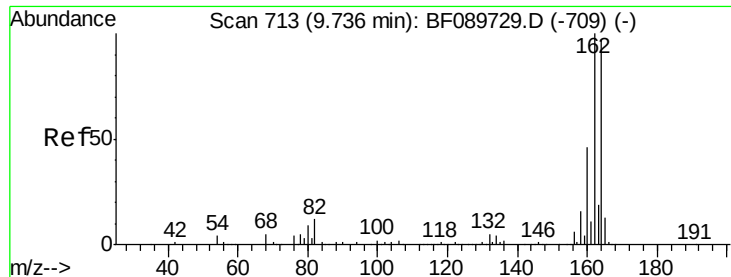
Tot Ion: 82 Resp: 2300937
Ion Ratio Lower Upper
82 100
128 47.7 34.4 51.6
54 44.8 40.3 60.5



#25
Isophorone
Concen: 32.79 ng
RT: 7.23 min Scan# 494
Delta R.T. -0.30 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#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.70 min Scan# 710

Delta R.T. -0.03 min

Lab File: BF089871.D

Acq: 24 Aug 2016 13:50

Instrument :

BNA_F

ClientSampled :

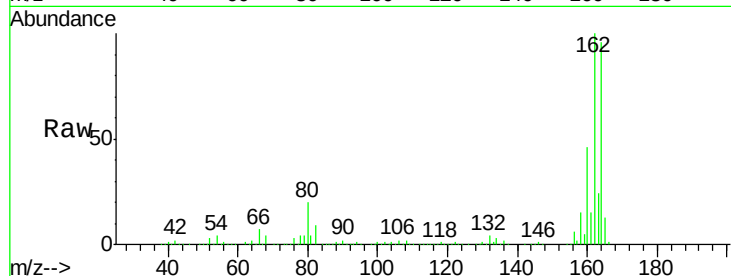
Tot Ion:164 Resp: 722623

Ion Ratio Lower Upper

164 100

162 103.9 81.4 122.2

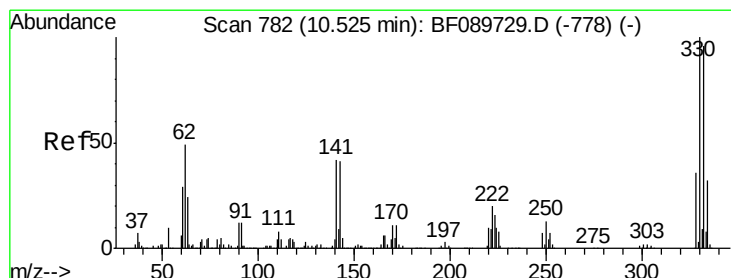
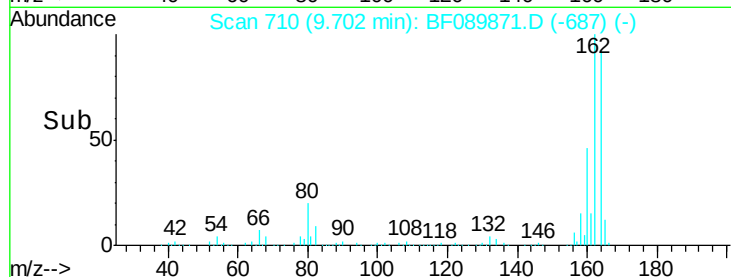
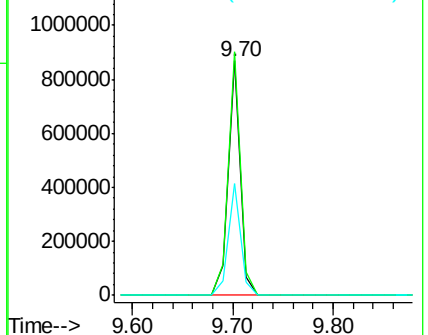
160 47.6 37.8 56.6



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: 123.62 ng

RT: 10.49 min Scan# 779

Delta R.T. -0.03 min

Lab File: BF089871.D

Acq: 24 Aug 2016 13:50

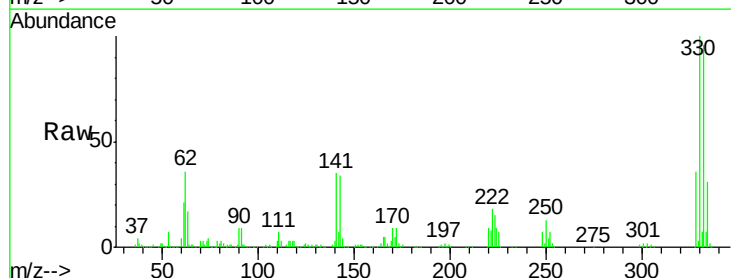
Tgt Ion:330 Resp: 864193

Ion Ratio Lower Upper

330 100

332 95.8 76.7 115.1

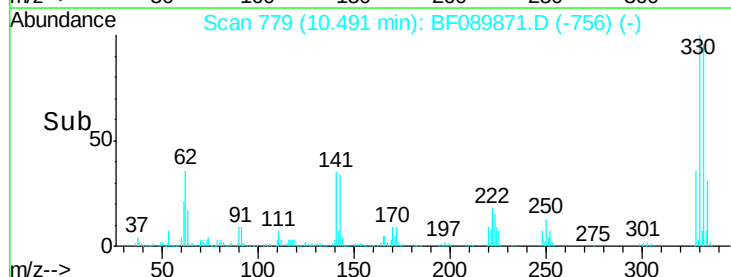
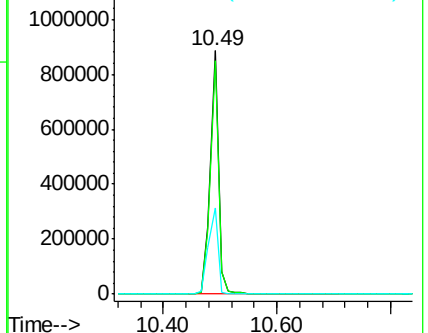
141 40.4 30.2 45.2

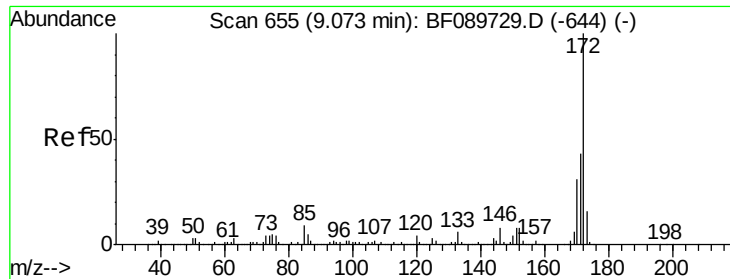


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 87.45 ng

RT: 9.04 min Scan# 652

Delta R.T. -0.03 min

Lab File: BF089871.D

Acq: 24 Aug 2016 13:50

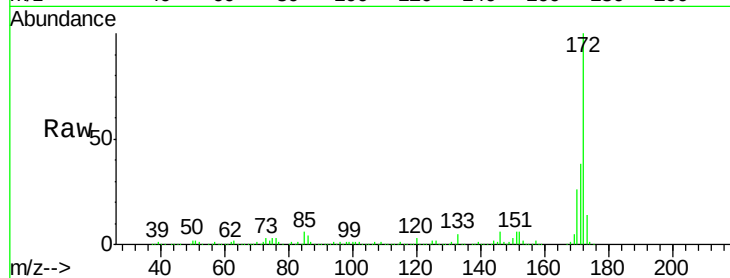
Instrument :

BNA_F

ClientSampled :

Tot Ion:172 Resp: 3938077

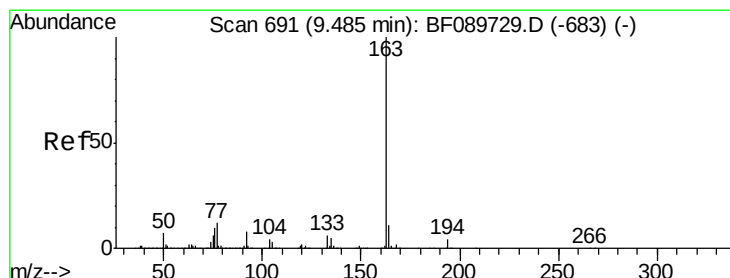
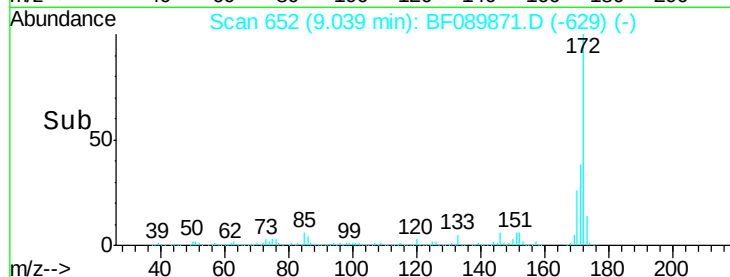
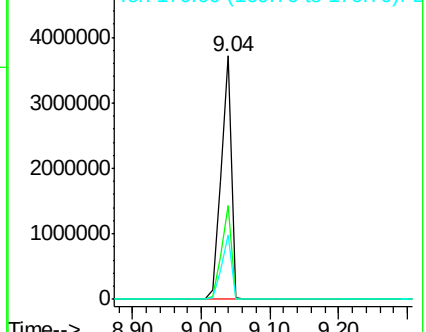
Ion	Ratio	Lower	Upper
172	100		
171	38.3	30.5	45.7
170	26.4	20.6	31.0



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: 17.73 ng

RT: 9.43 min Scan# 686

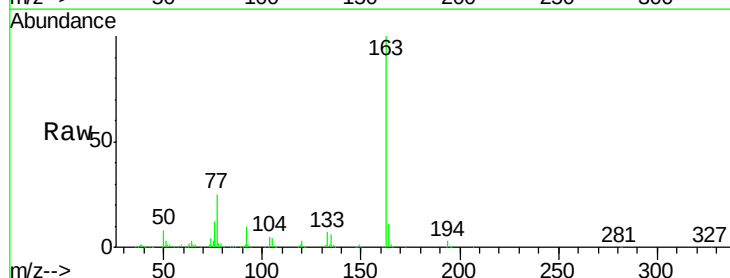
Delta R.T. -0.06 min

Lab File: BF089871.D

Acq: 24 Aug 2016 13:50

Tgt Ion:163 Resp: 926857

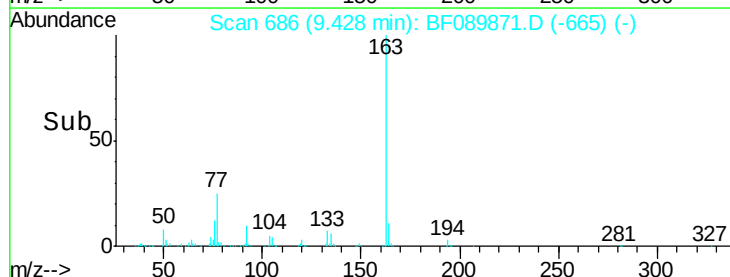
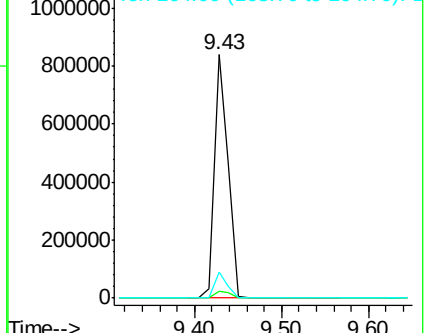
Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.6	3.8
164	10.9	8.6	12.8

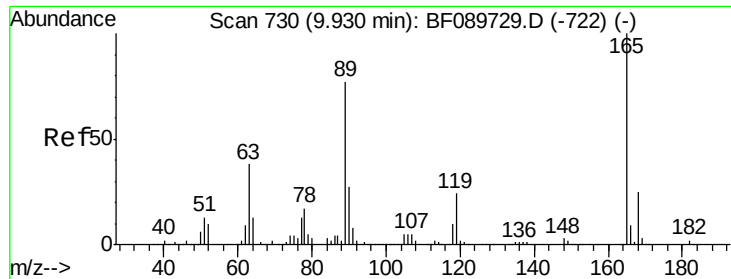


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

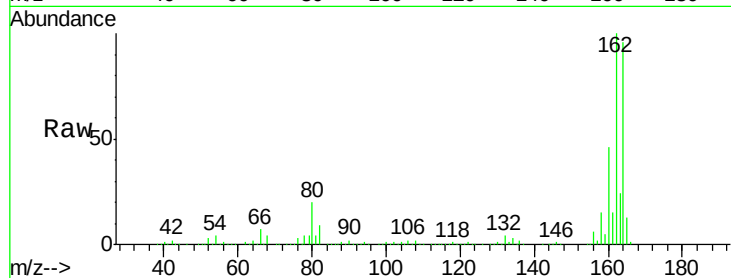




#56
 2,4-Dinitrotoluene
 Concen: 6.28 ng
 RT: 9.70 min Scan# 710
 Delta R.T. -0.23 min
 Lab File: BF089871.D
 Acq: 24 Aug 2016 13:50

Instrument :
 BNA_F
 ClientSampleId :

Tot 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#

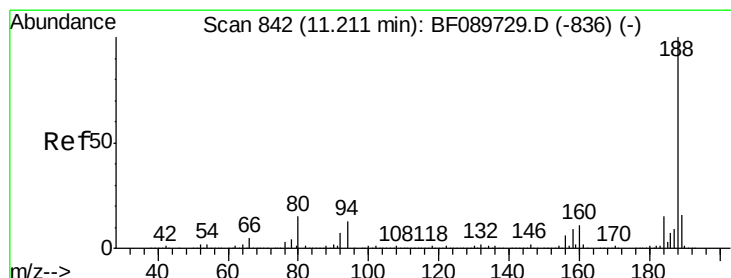
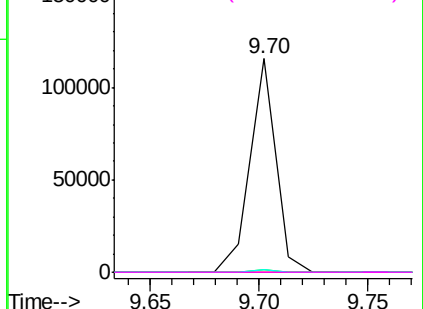
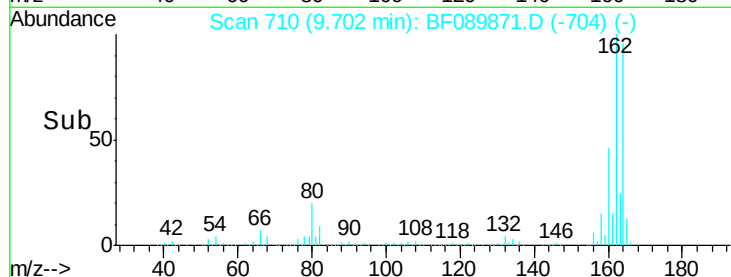


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

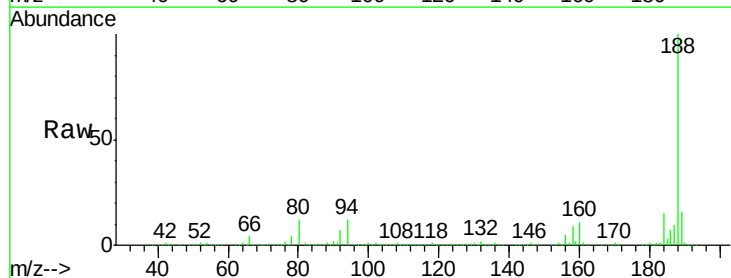
Ion 89.00 (88.70 to 89.70): BF0

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. -0.03 min
 Lab File: BF089871.D
 Acq: 24 Aug 2016 13:50

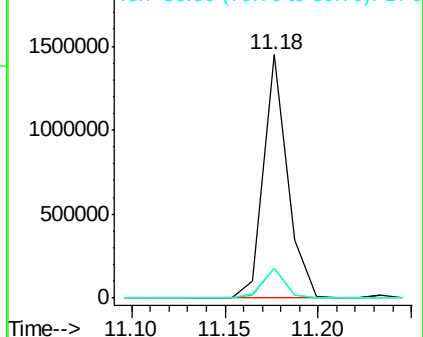
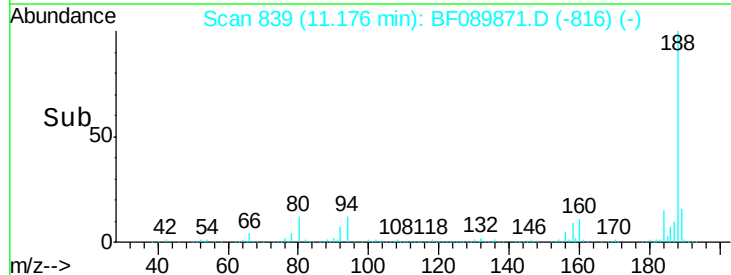
Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.0	10.2	15.2
80	12.1	10.9	16.3

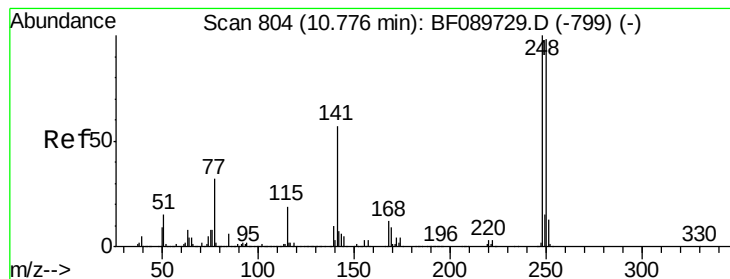


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 4.14 ng

RT: 10.49 min Scan# 779

Delta R.T. -0.29 min

Lab File: BF089871.D

Acq: 24 Aug 2016 13:50

Instrument :

BNA_F

ClientSampled :

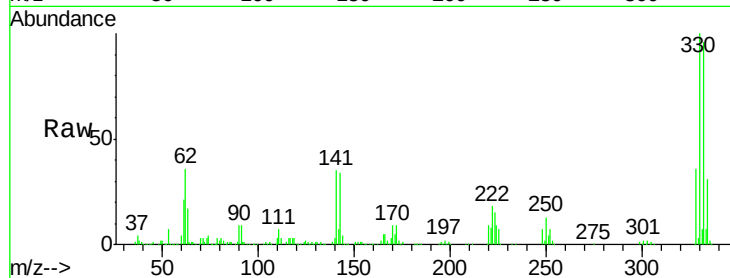
Tot Ion:248 Resp: 56056

Ion Ratio Lower Upper

248 100

250 192.1 78.6 117.8#

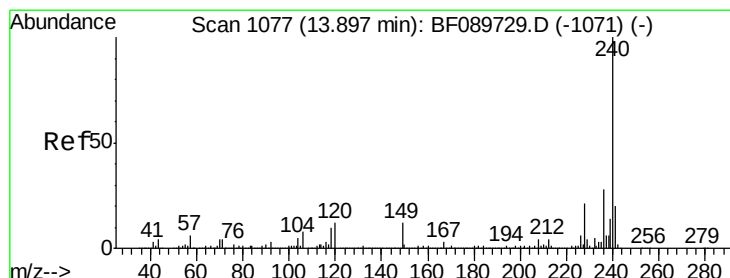
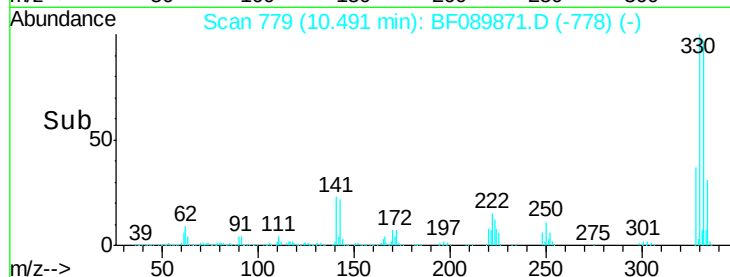
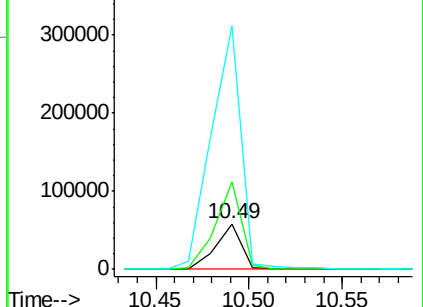
141 532.3 31.4 47.2#



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. -0.06 min

Lab File: BF089871.D

Acq: 24 Aug 2016 13:50

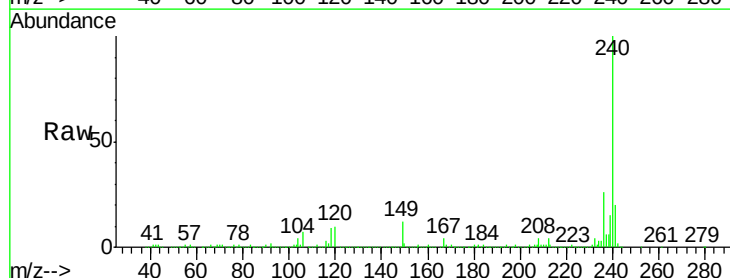
Tgt Ion:240 Resp: 1119075

Ion Ratio Lower Upper

240 100

120 10.3 8.3 12.5

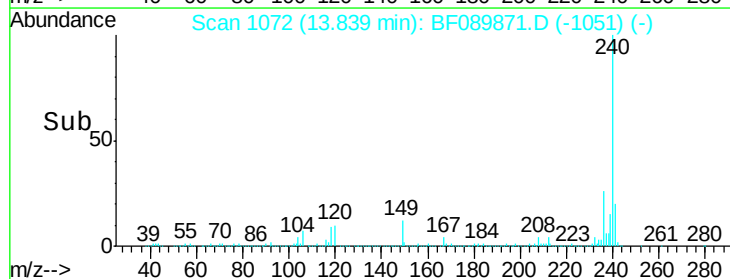
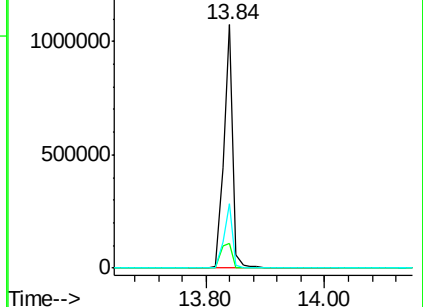
236 26.3 21.3 31.9

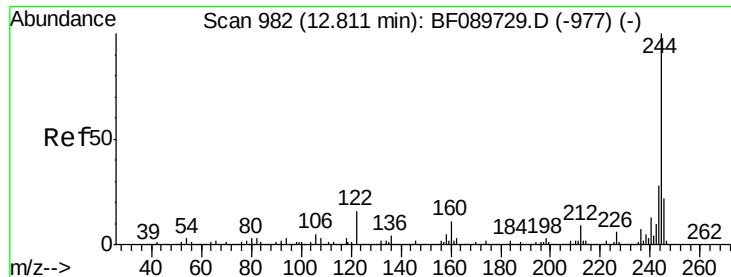


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 86.15 ng

RT: 12.78 min Scan# 979

Delta R.T. -0.03 min

Lab File: BF089871.D

Acq: 24 Aug 2016 13:50

Instrument :
BNA_F
ClientSampleId :

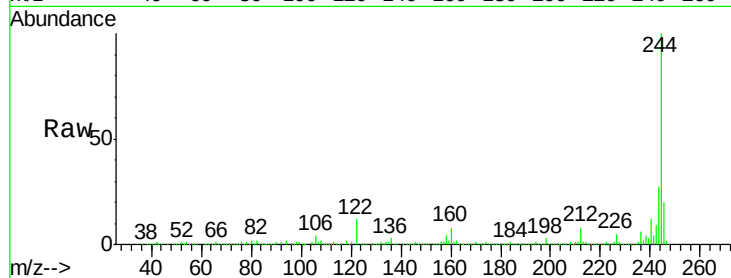
Tot Ion:244 Resp: 3227249

Ion Ratio Lower Upper

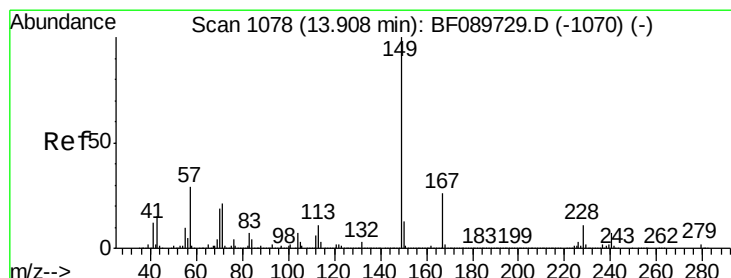
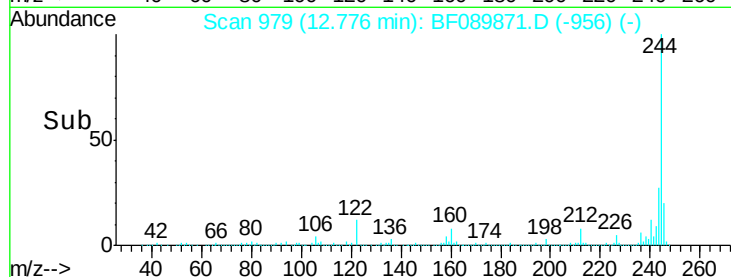
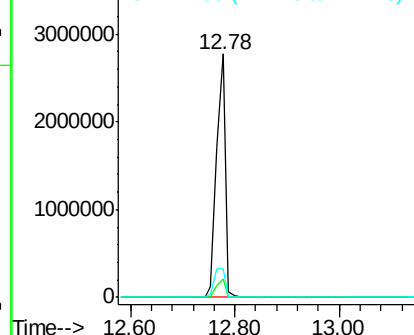
244 100

212 7.7 6.3 9.5

122 11.5 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



#83

Bis(2-ethylhexyl)phthalate

Concen: 4.80 ng

RT: 13.85 min Scan# 1073

Delta R.T. -0.06 min

Lab File: BF089871.D

Acq: 24 Aug 2016 13:50

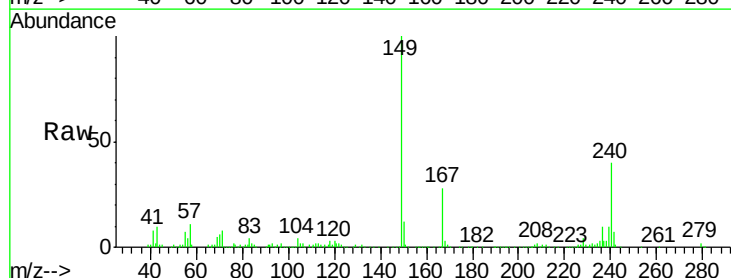
Tgt Ion:149 Resp: 233468

Ion Ratio Lower Upper

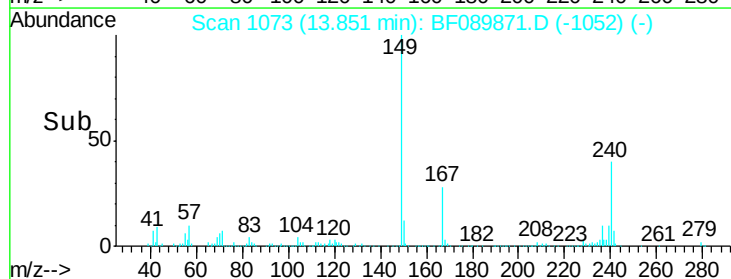
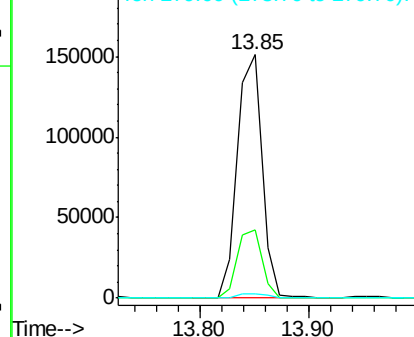
149 100

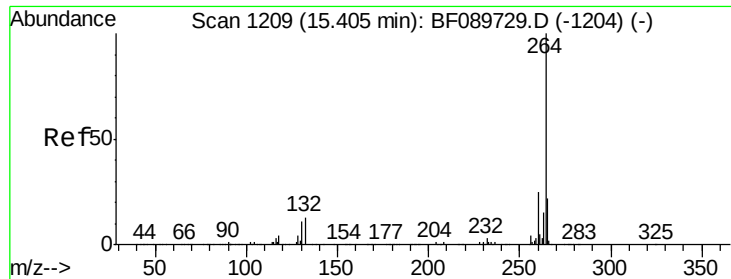
167 27.8 21.2 31.8

279 1.7 2.9 4.3#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

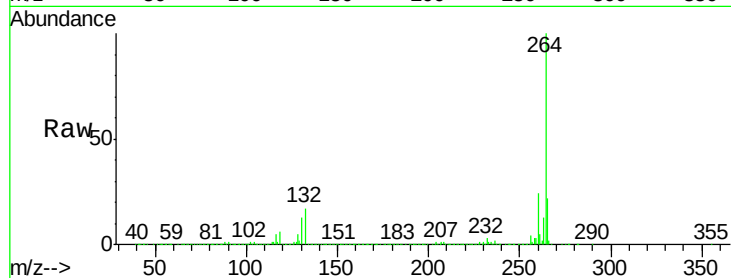




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.31 min Scan# 1201
Delta R.T. -0.09 min
Lab File: BF089871.D
Acq: 24 Aug 2016 13:50

Instrument :
BNA_F
ClientSampleId :

Tot 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

