

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
 Data File : BF089494.D
 Acq On : 1 Aug 2016 4:31
 Operator : UM/SJ
 Sample : H4222-10
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 01 07:15:08 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 01 04:11:30 2016
 Response via : Initial Calibration

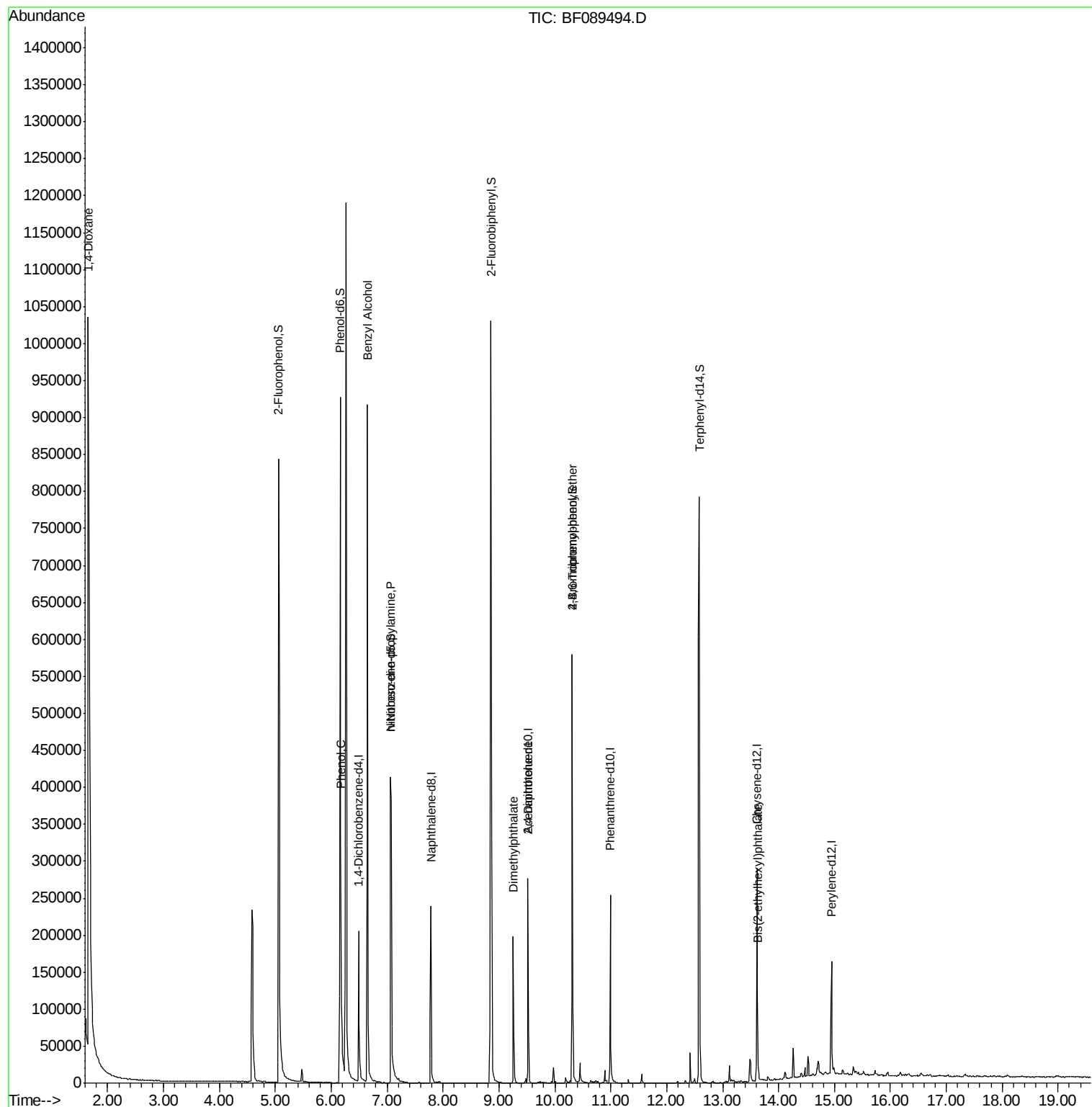
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	41202	20.00	ng	-0.01
21) Naphthalene-d8	7.78	136	143581	20.00	ng	-0.01
38) Acenaphthene-d10	9.52	164	55594	20.00	ng	-0.01
63) Phenanthrene-d10	10.99	188	103266	20.00	ng	-0.01
75) Chrysene-d12	13.61	240	101765	20.00	ng	-0.01
86) Perylene-d12	14.95	264	76078	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	344513	133.51	ng	0.00
7) Phenol-d6	6.16	99	425034	124.64	ng	-0.01
23) Nitrobenzene-d5	7.06	82	259268	106.58	ng	-0.02
41) 2,4,6-Tribromophenol	10.31	330	59292	128.77	ng	-0.01
44) 2-Fluorobiphenyl	8.86	172	359508	94.90	ng	-0.01
78) Terphenyl-d14	12.58	244	340614	78.34	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.66	88	55188	47.90	ng	# 26
10) Phenol	6.17	94	7851	2.09	ng	# 1
15) Benzyl Alcohol	6.65	79	4541	2.15	ng	# 44
19) n-Nitroso-di-n-propylamine	7.06	70	32626	15.87	ng	# 82
49) Dimethylphthalate	9.26	163	86474	20.44	ng	# 98
56) 2,4-Dinitrotoluene	9.52	165	6833	5.97	ng	# 7
66) 4-Bromophenyl-phenylether	10.31	248	4529	4.59	ng	# 1
83) Bis(2-ethylhexyl)phthalate	13.62	149	13683	2.70	ng	# 97

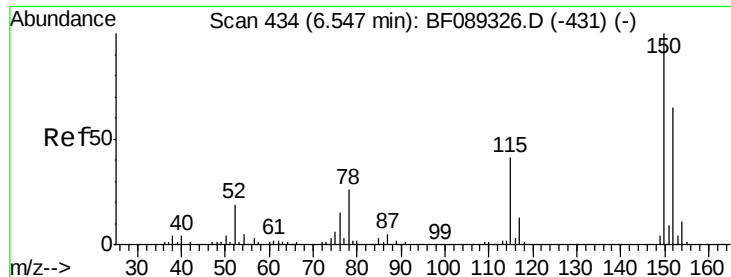
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.49 min Scan# 429

Delta R.T. -0.01 min

Lab File: BF089494.D

Acq: 1 Aug 2016 4:31

Instrument :

BNA_F

ClientSampleId :

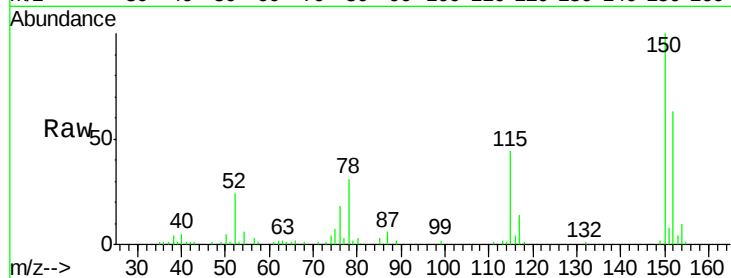
Tot Ion:152 Resp: 41202

Ion Ratio Lower Upper

152 100

150 159.7 129.5 194.3

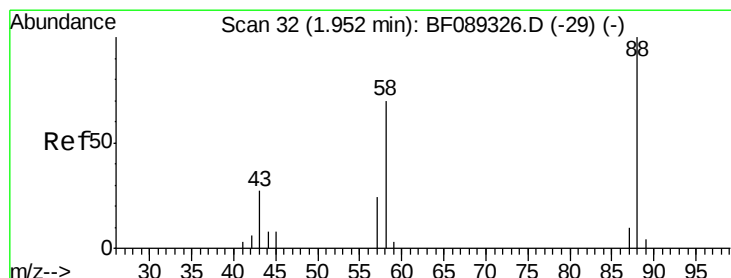
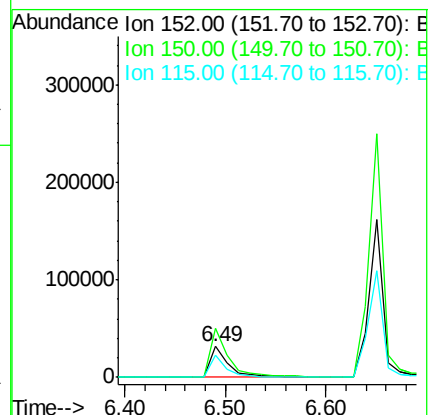
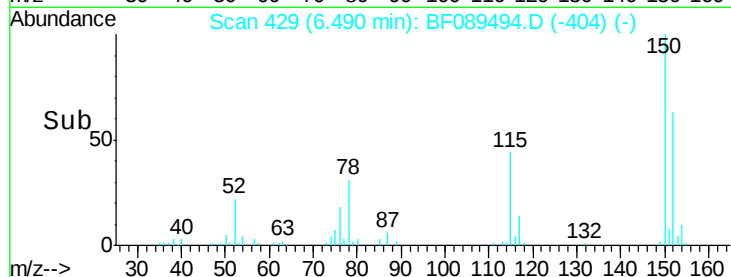
115 70.3 51.4 77.2



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



#2

1,4-Dioxane

Concen: 47.90 ng

RT: 1.66 min Scan# 6

Delta R.T. -0.24 min

Lab File: BF089494.D

Acq: 1 Aug 2016 4:31

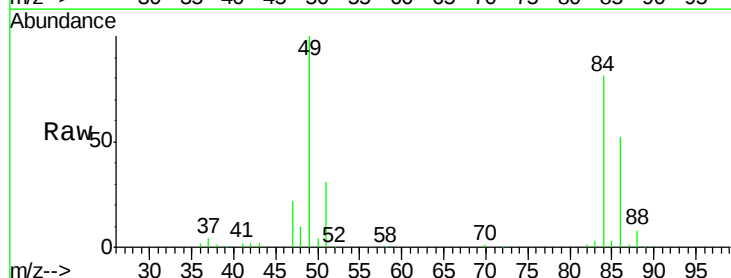
Tgt Ion: 88 Resp: 55188

Ion Ratio Lower Upper

88 100

58 0.0 53.2 79.8#

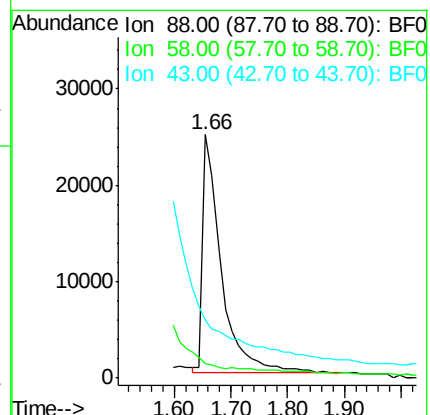
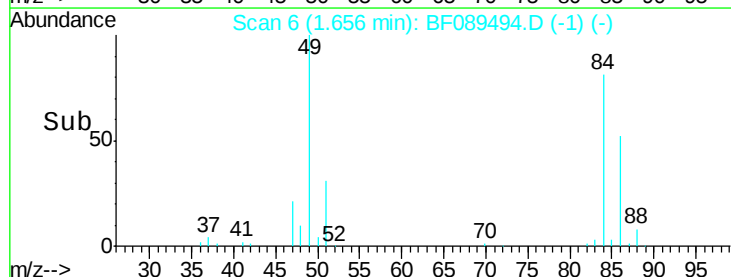
43 0.0 20.6 31.0#

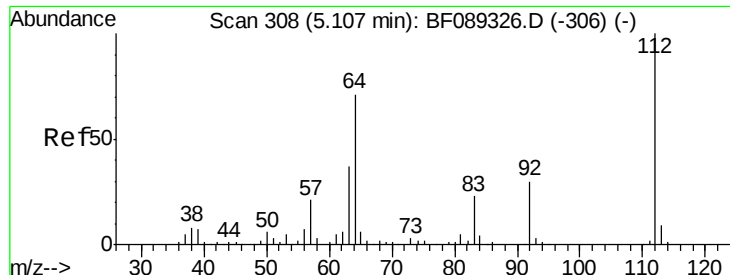


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 133.51 ng

RT: 5.06 min Scan# 304

Delta R.T. 0.00 min

Lab File: BF089494.D

Acq: 1 Aug 2016 4:31

Instrument :

BNA_F

ClientSampleId :

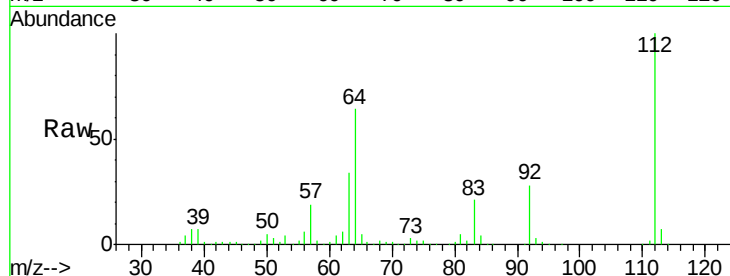
Tot Ion:112 Resp: 344513

Ion Ratio Lower Upper

112 100

64 63.7 55.0 82.6

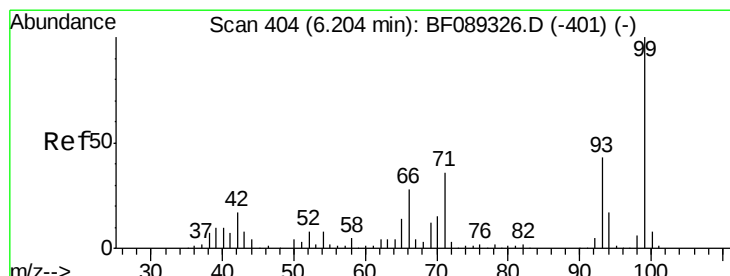
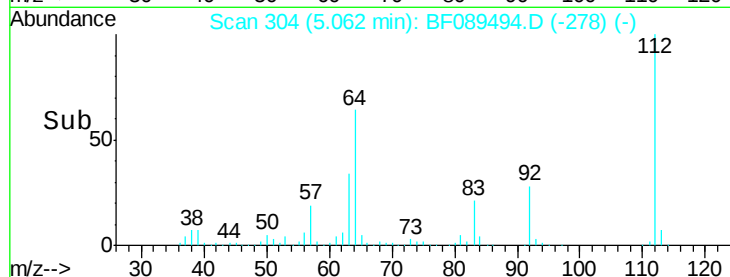
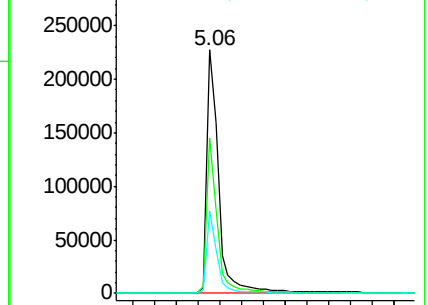
63 34.0 29.4 44.2



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: 124.64 ng

RT: 6.16 min Scan# 400

Delta R.T. -0.01 min

Lab File: BF089494.D

Acq: 1 Aug 2016 4:31

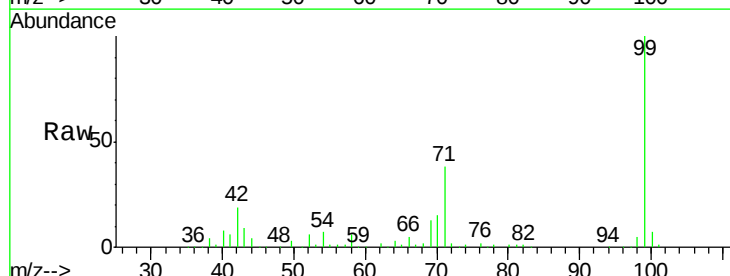
Tgt Ion: 99 Resp: 425034

Ion Ratio Lower Upper

99 100

42 18.6 13.6 20.4

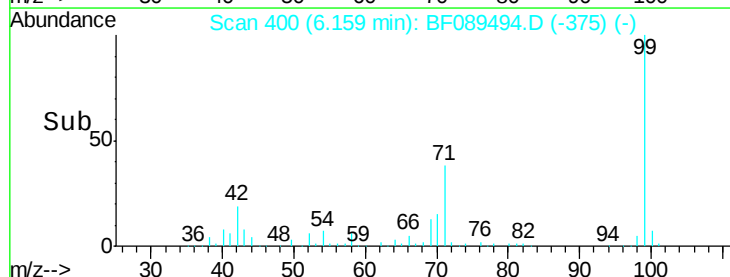
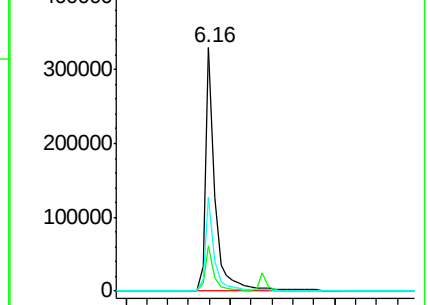
71 38.3 29.4 44.2

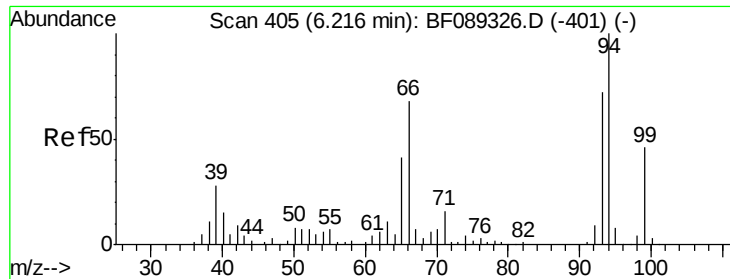


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

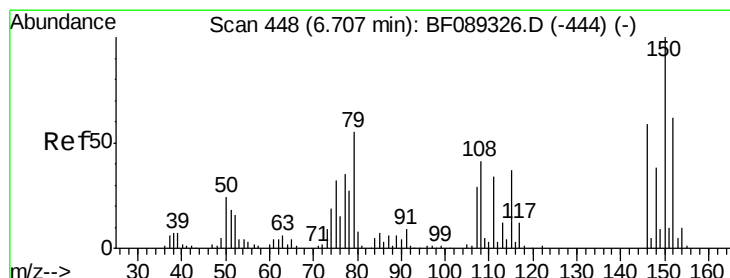
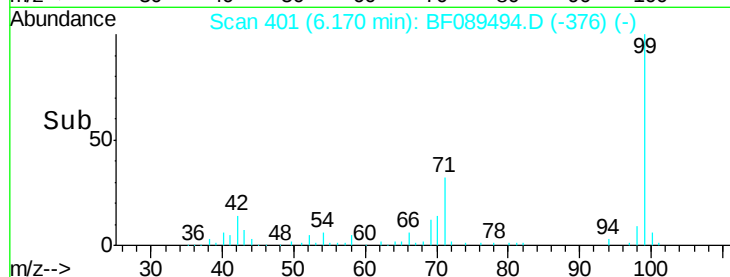
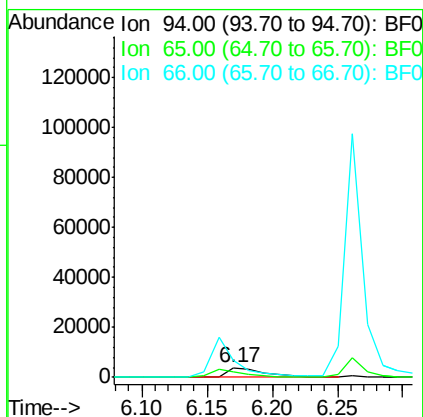
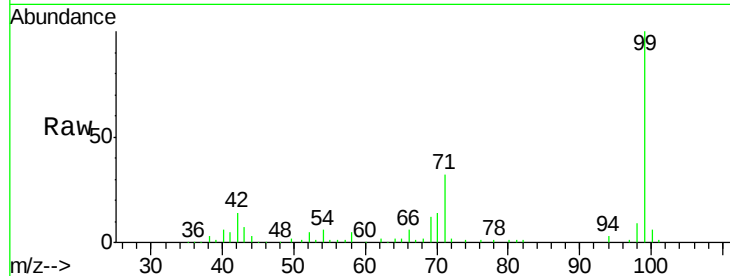




#10
Phenol
Concen: 2.09 ng
RT: 6.17 min Scan# 401
Delta R.T. -0.01 min
Lab File: BF089494.D
Acq: 1 Aug 2016 4:31

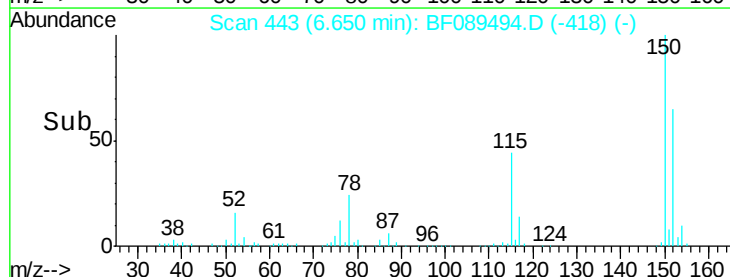
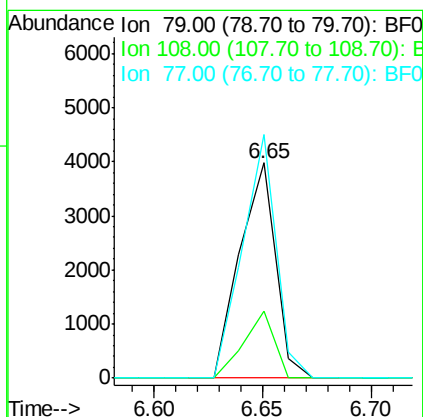
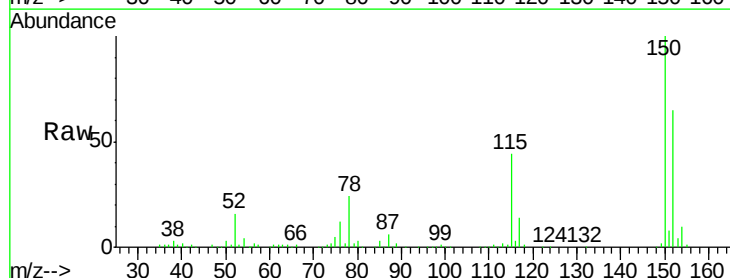
Instrument :
BNA_F
ClientSampleId :

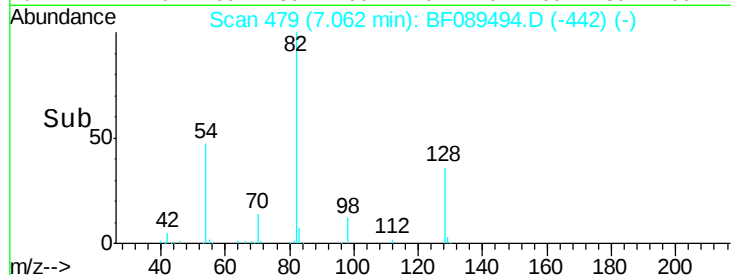
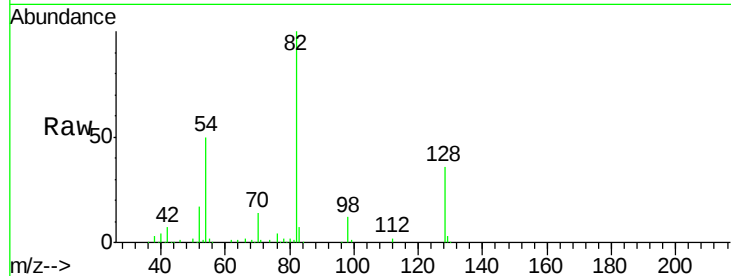
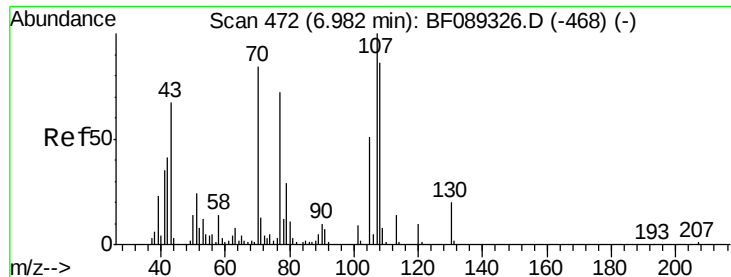
Tot Ion: 94 Resp: 7851
Ion Ratio Lower Upper
94 100
65 51.3 19.1 59.1
66 180.6 44.4 84.4#



#15
Benzyl Alcohol
Concen: 2.15 ng
RT: 6.65 min Scan# 443
Delta R.T. -0.01 min
Lab File: BF089494.D
Acq: 1 Aug 2016 4:31

Tgt Ion: 79 Resp: 4541
Ion Ratio Lower Upper
79 100
108 31.3 59.8 89.6#
77 113.1 51.7 77.5#

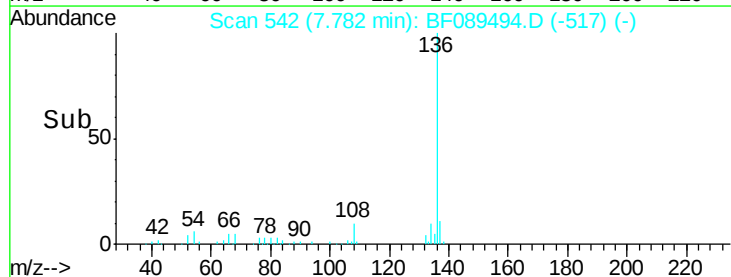
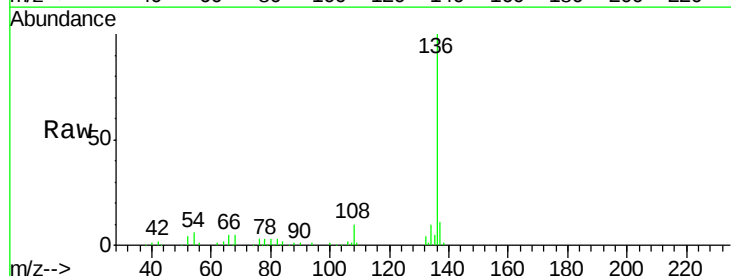
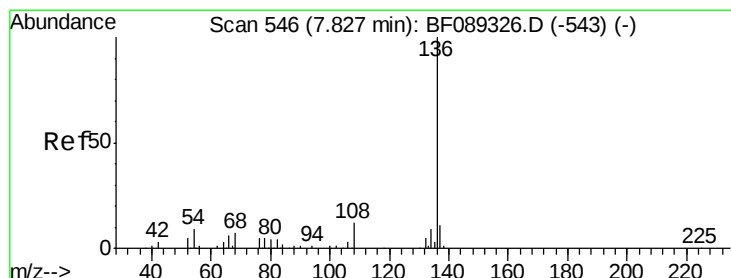
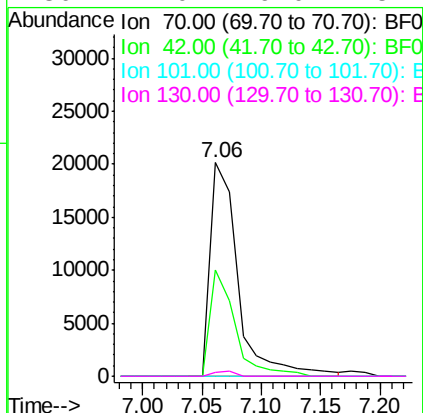




#19
n-Nitroso-di-n-propylamine
Concen: 15.87 ng
RT: 7.06 min Scan# 479
Delta R.T. 0.13 min
Lab File: BF089494.D
Acq: 1 Aug 2016 4:31

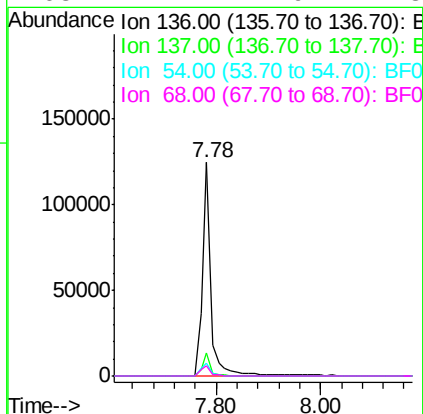
Instrument :
BNA_F
ClientSampleId :

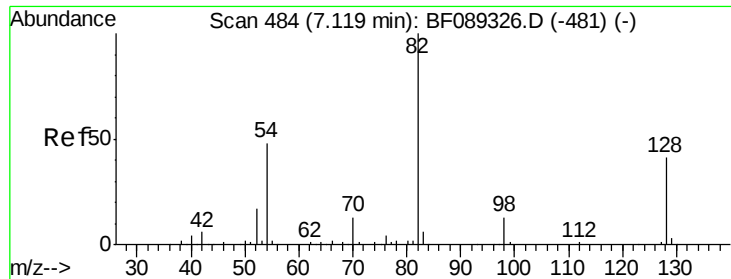
Tot Ion: 70 Resp: 32626
Ion Ratio Lower Upper
70 100
42 49.7 38.6 57.8
101 0.0 8.3 12.5#
130 2.0 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.78 min Scan# 542
Delta R.T. -0.01 min
Lab File: BF089494.D
Acq: 1 Aug 2016 4:31

Tgt Ion: 136 Resp: 143581
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 6.0 7.0 10.4#
68 4.7 4.9 7.3#

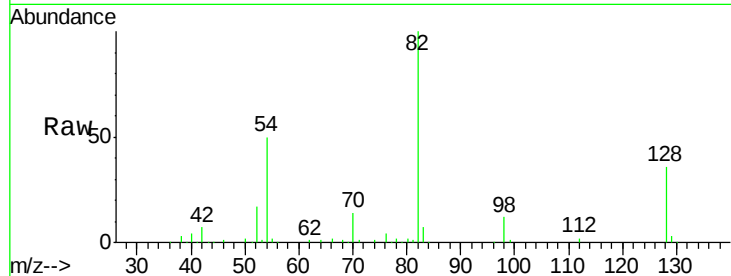




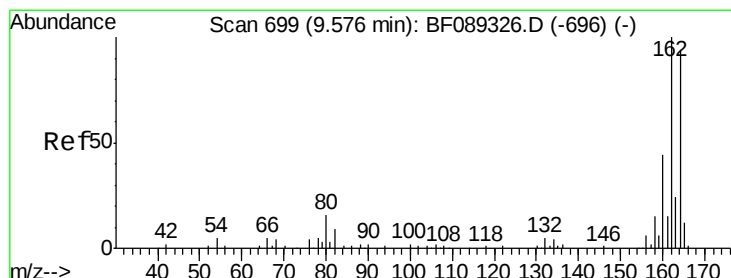
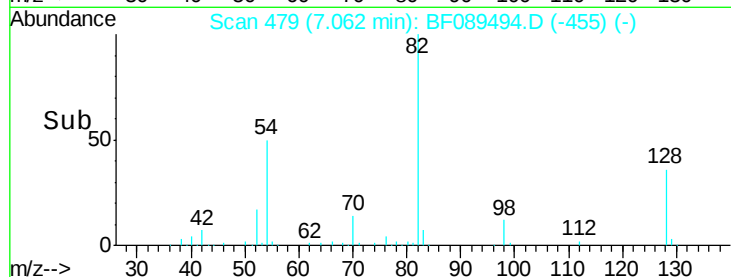
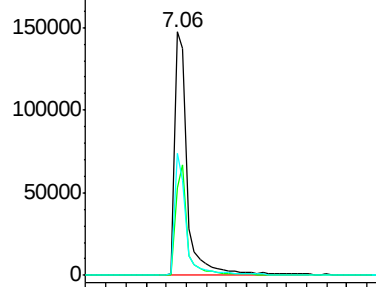
#23
 Nitrobenzene-d5
 Concen: 106.58 ng
 RT: 7.06 min Scan# 479
 Delta R.T. -0.02 min
 Lab File: BF089494.D
 Acq: 1 Aug 2016 4:31

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	259268
Ion Ratio	Lower	Upper	
82	100		
128	36.1	32.5	48.7
54	50.3	38.8	58.2

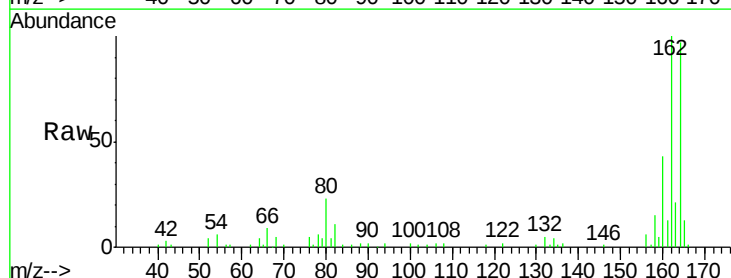


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

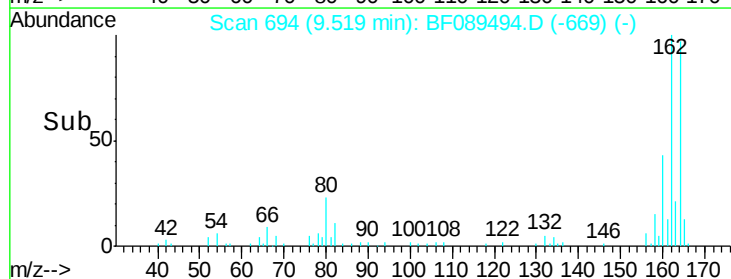
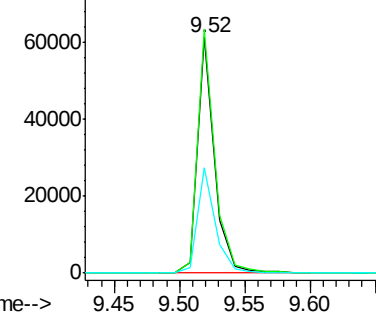


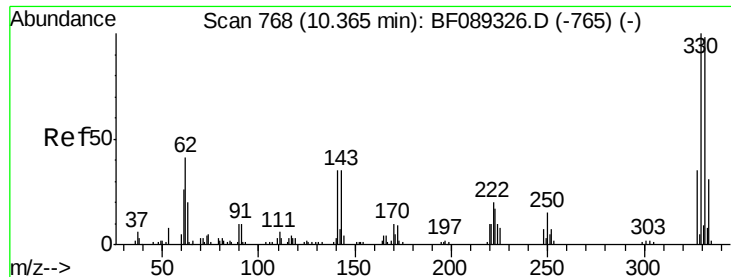
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.52 min Scan# 694
 Delta R.T. -0.01 min
 Lab File: BF089494.D
 Acq: 1 Aug 2016 4:31

Tgt Ion	164	Resp	55594
Ion Ratio	Lower	Upper	
164	100		
162	103.2	83.7	125.5
160	44.9	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

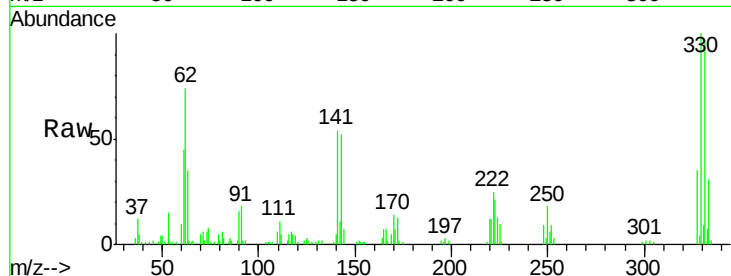




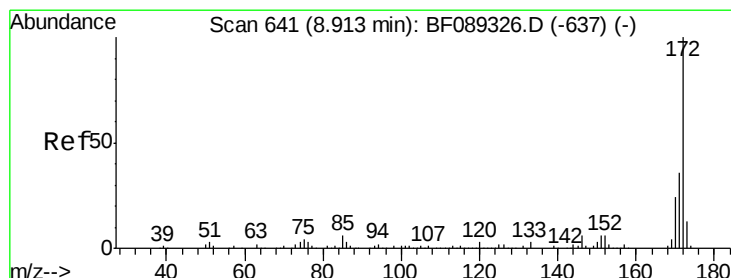
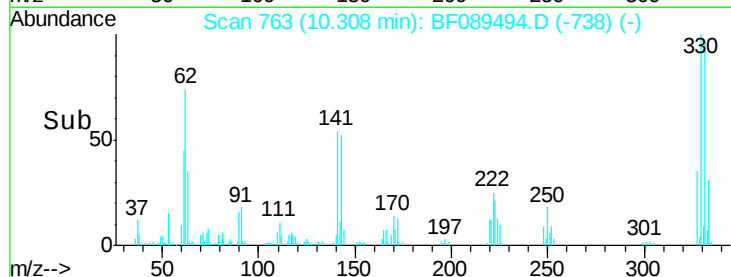
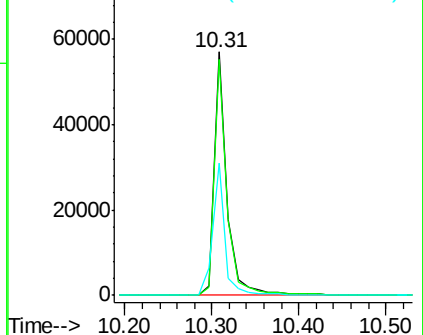
#41
 2,4,6-Tribromophenol
 Concen: 128.77 ng
 RT: 10.31 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: BF089494.D
 Acq: 1 Aug 2016 4:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.8	115.2
141	51.9	37.3	55.9

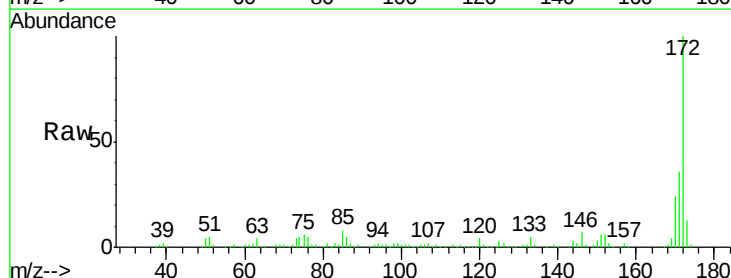


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

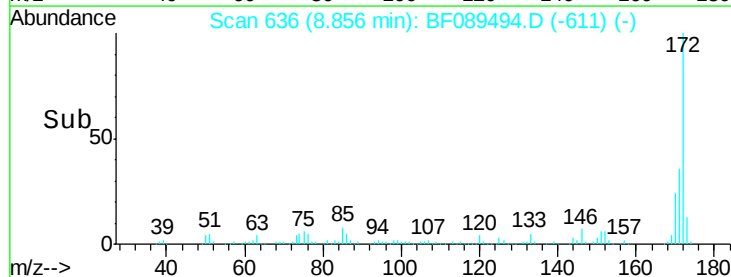
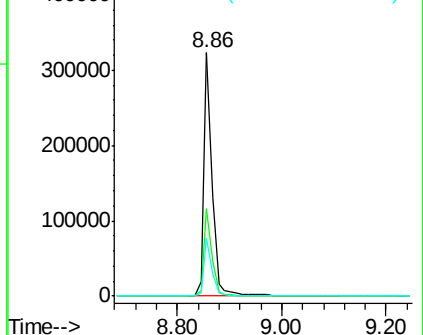


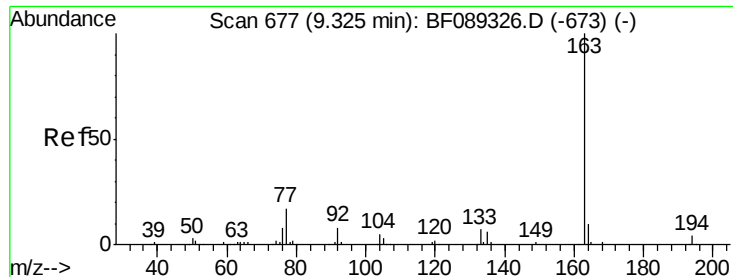
#44
 2-Fluorobiphenyl
 Concen: 94.90 ng
 RT: 8.86 min Scan# 636
 Delta R.T. -0.01 min
 Lab File: BF089494.D
 Acq: 1 Aug 2016 4:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.2	43.8
170	23.8	19.2	28.8



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

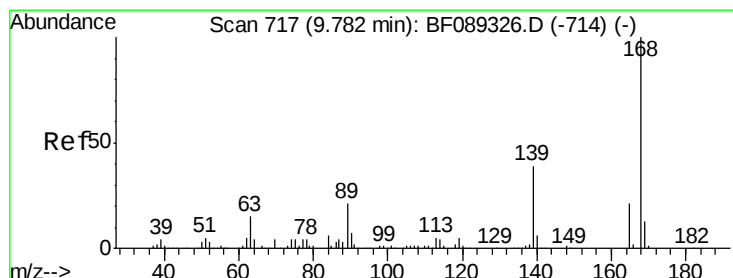
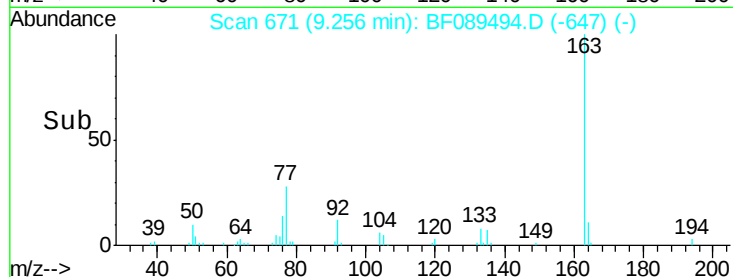
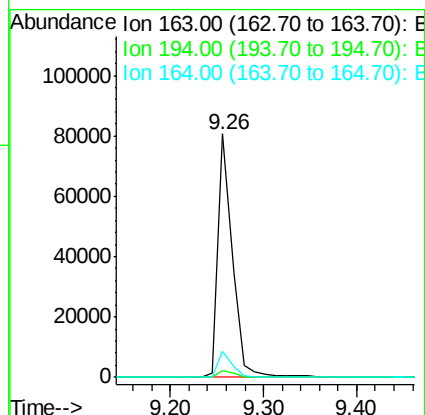
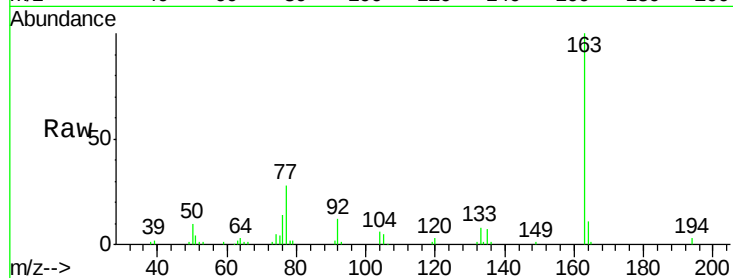




#49
Dimethylphthalate
Concen: 20.44 ng
RT: 9.26 min Scan# 671
Delta R.T. -0.02 min
Lab File: BF089494.D
Acq: 1 Aug 2016 4:31

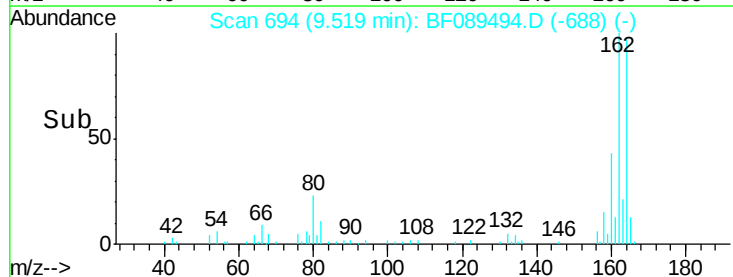
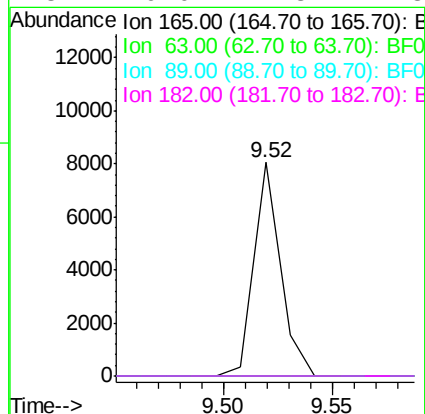
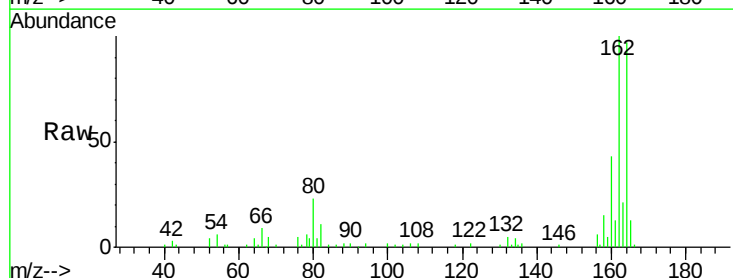
Instrument :
BNA_F
ClientSampleId :

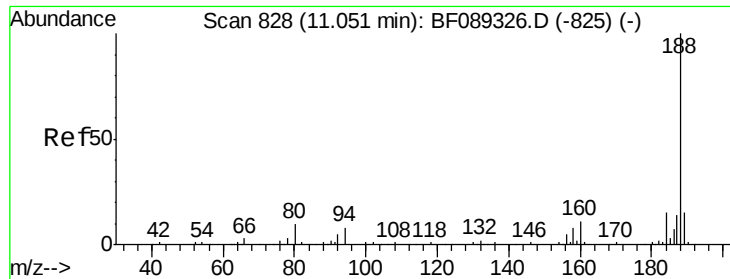
Tot Ion:163 Resp: 86474
Ion Ratio Lower Upper
163 100
194 2.8 2.8 4.2
164 10.5 7.8 11.8



#56
2,4-Dinitrotoluene
Concen: 5.97 ng
RT: 9.52 min Scan# 694
Delta R.T. -0.23 min
Lab File: BF089494.D
Acq: 1 Aug 2016 4:31

Tgt Ion:165 Resp: 6833
Ion Ratio Lower Upper
165 100
63 0.0 58.2 87.2#
89 0.0 79.1 118.7#
182 0.0 1.8 2.8#

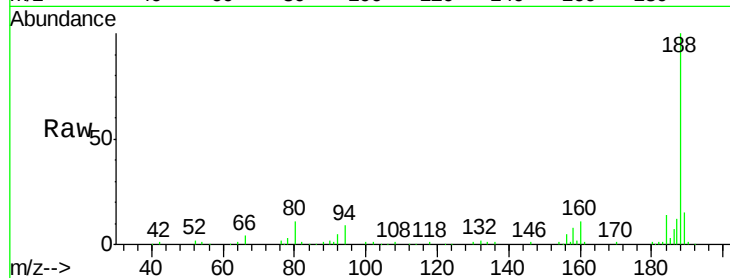




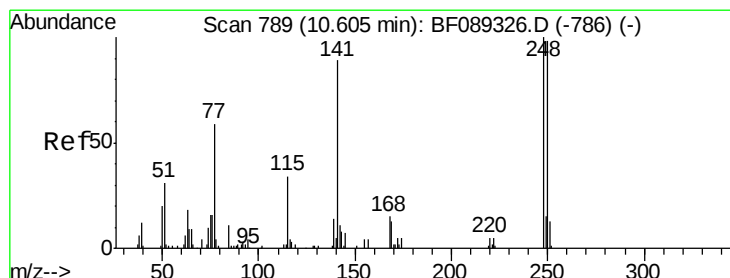
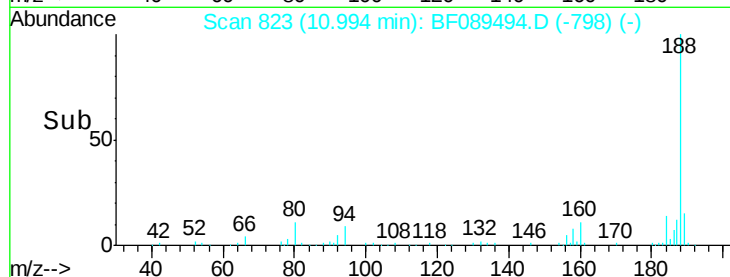
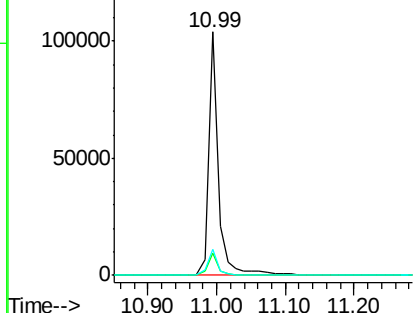
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.99 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF089494.D
Acq: 1 Aug 2016 4:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 103266
Ion Ratio Lower Upper
188 100
94 9.4 6.5 9.7
80 10.6 7.2 10.8

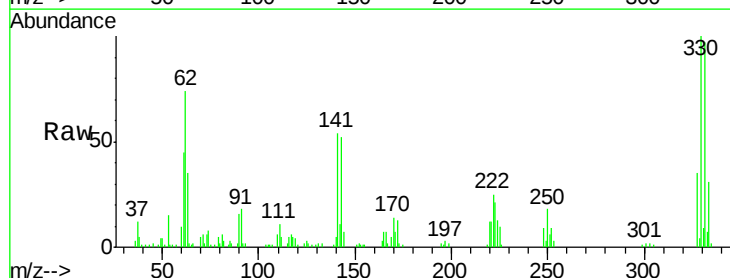


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

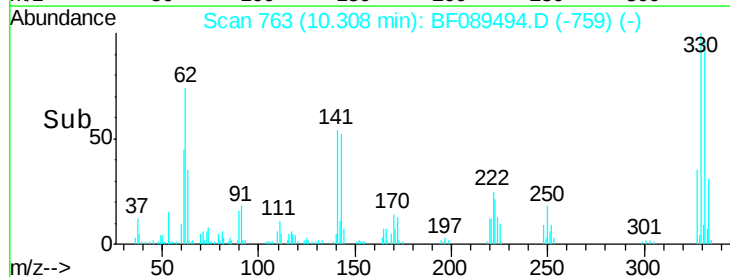
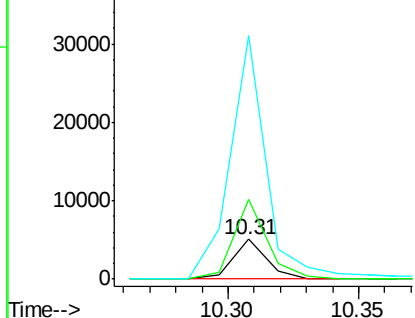


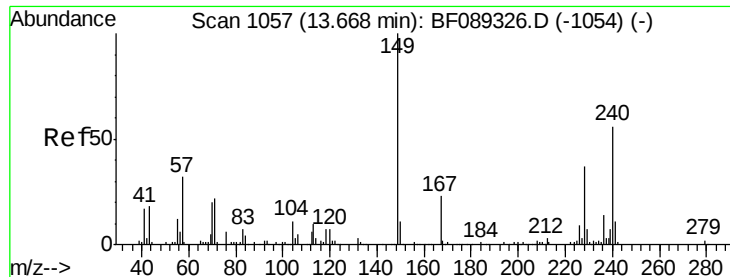
#66
4-Bromophenyl-phenylether
Concen: 4.59 ng
RT: 10.31 min Scan# 763
Delta R.T. -0.25 min
Lab File: BF089494.D
Acq: 1 Aug 2016 4:31

Tgt Ion:248 Resp: 4529
Ion Ratio Lower Upper
248 100
250 202.3 78.2 117.2#
141 612.6 62.0 93.0#



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: 13.61 min Scan# 1052

Delta R.T. -0.01 min

Lab File: BF089494.D

Acq: 1 Aug 2016 4:31

Instrument :

BNA_F

ClientSampleId :

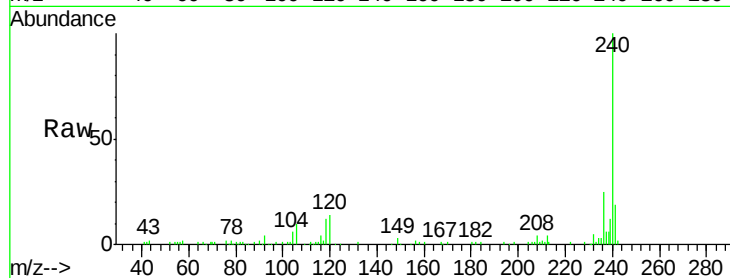
Tot Ion:240 Resp: 101765

Ion Ratio Lower Upper

240 100

120 13.5 9.1 13.7

236 25.3 20.6 30.8



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

120000

100000

80000

60000

40000

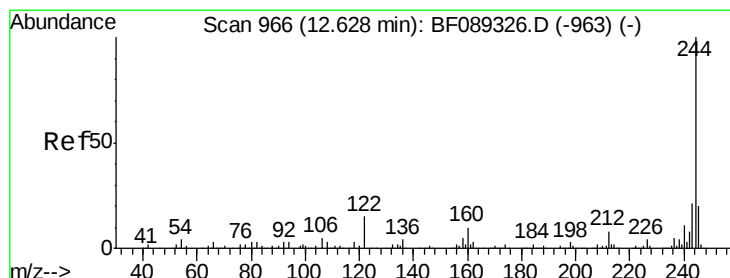
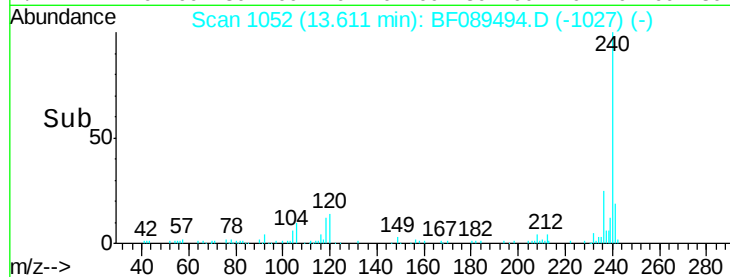
20000

0

13.61

13.50 13.60 13.70 13.80

Time-->



#78

Terphenyl-d14

Concen: 78.34 ng

RT: 12.58 min Scan# 962

Delta R.T. 0.00 min

Lab File: BF089494.D

Acq: 1 Aug 2016 4:31

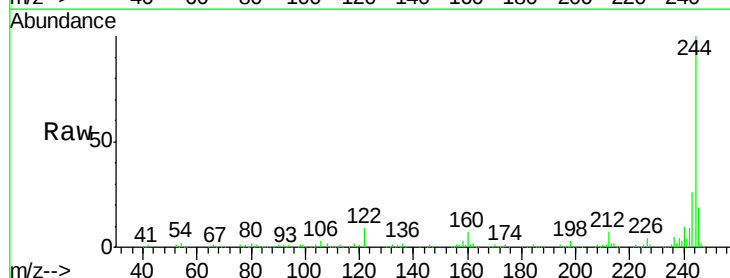
Tgt Ion:244 Resp: 340614

Ion Ratio Lower Upper

244 100

212 7.3 6.5 9.7

122 8.6 11.4 17.0#



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

300000

200000

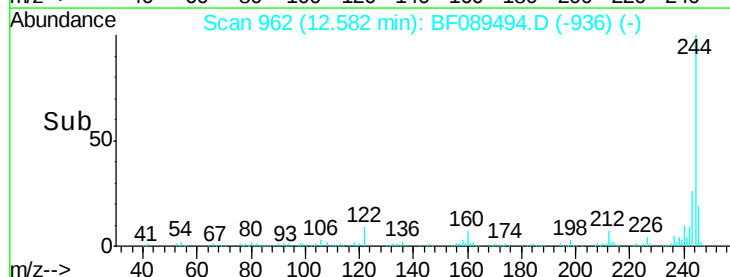
100000

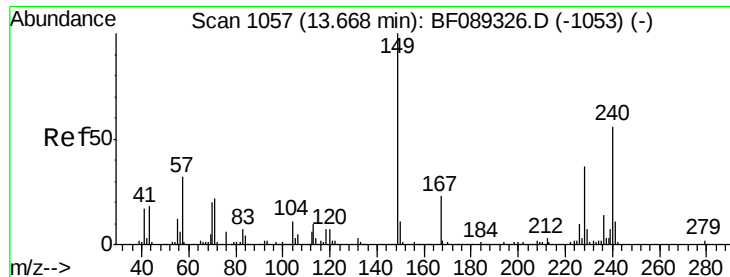
0

12.58

12.40 12.60 12.80

Time-->





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.70 ng

RT: 13.62 min Scan# 1053

Delta R.T. -0.01 min

Lab File: BF089494.D

Acq: 1 Aug 2016 4:31

Instrument :

BNA_F

ClientSampleId :

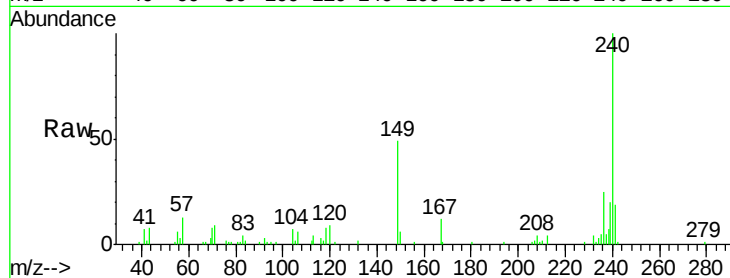
Tot Ion:149 Resp: 13683

Ion Ratio Lower Upper

149 100

167 24.8 18.8 28.2

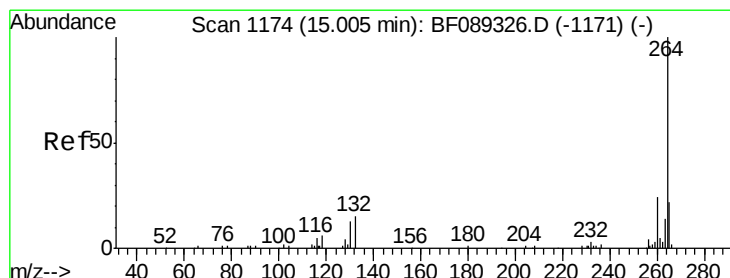
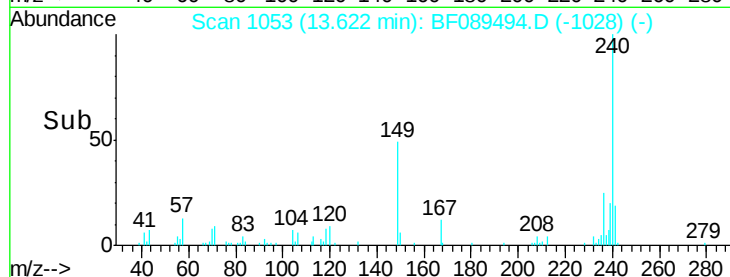
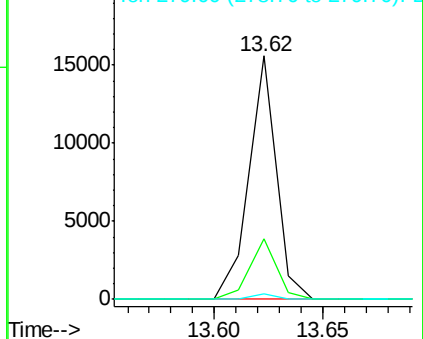
279 2.4 1.4 2.0#



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

Perylene-d12

Concen: 20.00 ng

RT: 14.95 min Scan# 1169

Delta R.T. 0.00 min

Lab File: BF089494.D

Acq: 1 Aug 2016 4:31

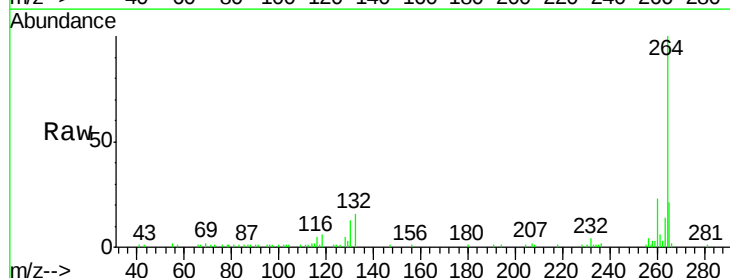
Tgt Ion:264 Resp: 76078

Ion Ratio Lower Upper

264 100

260 22.9 19.0 28.4

265 21.3 17.5 26.3



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

