

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
 Data File : BF089668.D
 Acq On : 8 Aug 2016 19:00
 Operator : UM/SJ
 Sample : H4367-28RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WP-1

Quant Time: Aug 09 02:30:59 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 01:39:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	42204	20.00	ng	-0.03
21) Naphthalene-d8	9.45	136	178911	20.00	ng	-0.02
38) Acenaphthene-d10	12.26	164	88531	20.00	ng	-0.03
63) Phenanthrene-d10	14.66	188	177621	20.00	ng	-0.03
75) Chrysene-d12	18.37	240	140337	20.00	ng	-0.02
86) Perylene-d12	20.02	264	95416	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	187170	74.33	ng	-0.01
7) Phenol-d6	6.95	99	168161	49.23	ng	-0.03
23) Nitrobenzene-d5	8.33	82	329470	101.86	ng	-0.03
41) 2,4,6-Tribromophenol	13.57	330	116933	160.05	ng	-0.02
44) 2-Fluorobiphenyl	11.23	172	642305	94.29	ng	-0.02
78) Terphenyl-d14	17.03	244	563966	79.33	ng	-0.02

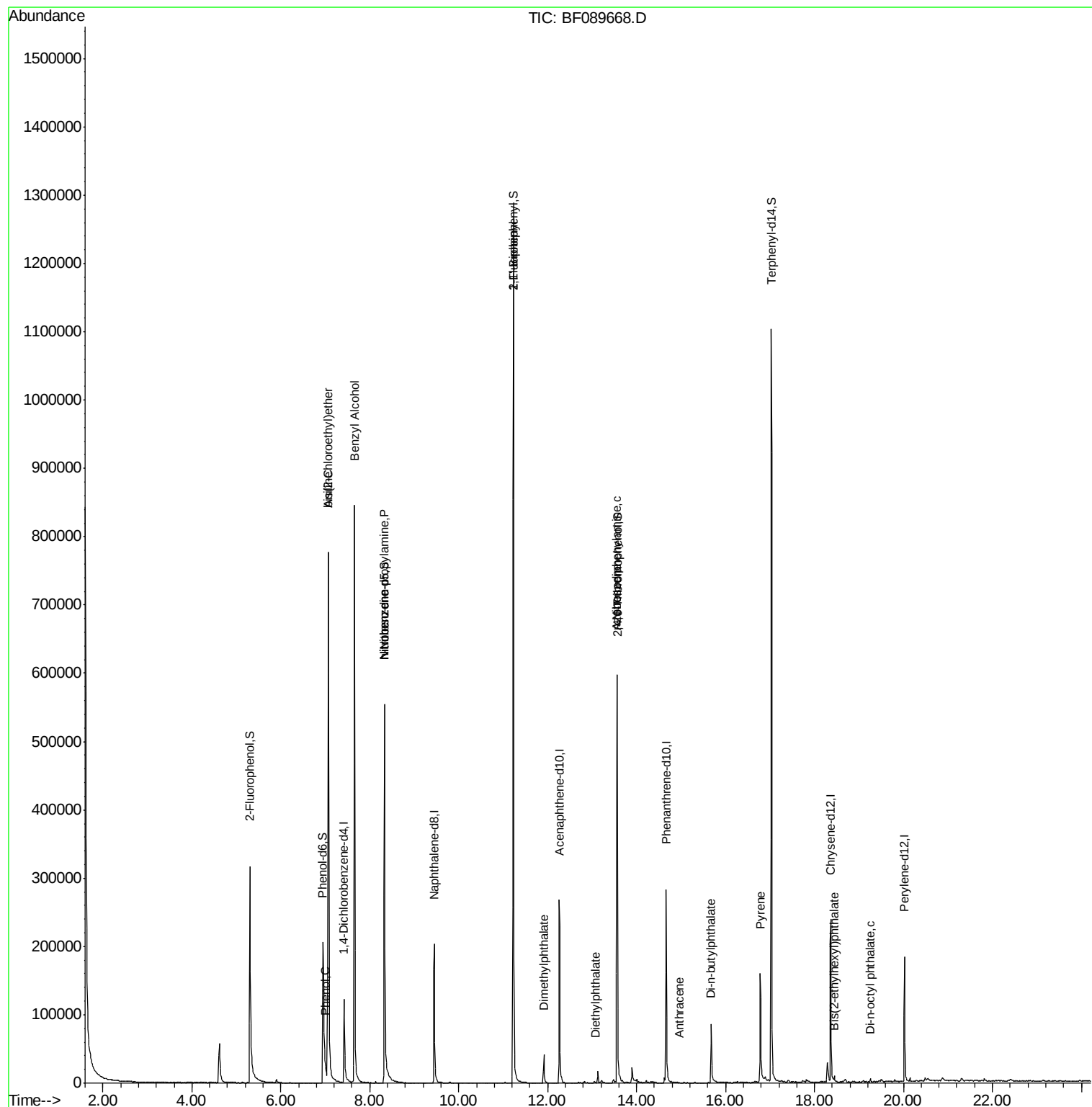
Target Compounds						Qvalue
6) Aniline	7.06	93	269	0.06	ng	# 1
10) Phenol	6.99	94	746	0.21	ng	# 1
11) bis(2-Chloroethyl)ether	7.06	93	269	0.09	ng	# 1
15) Benzyl Alcohol	7.66	79	5313	2.37	ng	# 45
19) n-Nitroso-di-n-propylamine	8.33	70	39849	16.15	ng	# 82
24) Nitrobenzene	8.33	77	454	0.15	ng	# 42
45) 1,1'-Biphenyl	11.23	154	1044	0.13	ng	# 1
49) Dimethylphthalate	11.92	163	27729	4.00	ng	# 98
59) Diethylphthalate	13.07	149	1003	0.14	ng	# 60
62) Azobenzene	13.55	77	693	0.10	ng	# 11
65) n-Nitrosodiphenylamine	13.55	169	4799	0.80	ng	# 38
71) Anthracene	14.96	178	391	0.04	ng	# 5
73) Di-n-butylphthalate	15.67	149	3043	0.26	ng	# 79
77) Pyrene	16.78	202	486	0.04	ng	# 57
83) Bis(2-ethylhexyl)phthalate	18.45	149	3071	0.42	ng	# 94
84) Di-n-octyl phthalate	19.26	149	733	0.07	ng	# 88

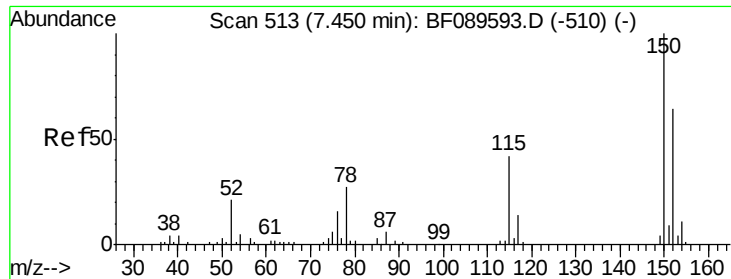
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.42 min Scan# 510

Delta R.T. -0.03 min

Lab File: BF089668.D

Acq: 8 Aug 2016 19:00

Instrument :

BNA_F

ClientSampleId :

WP-1

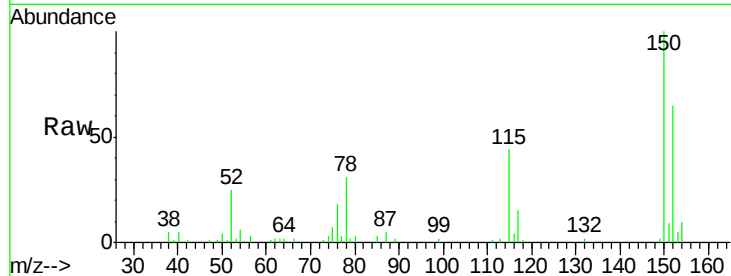
Tgt Ion:152 Resp: 42204

Ion Ratio Lower Upper

152 100

150 154.5 125.5 188.3

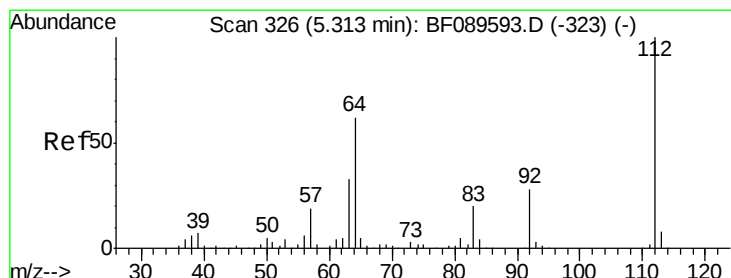
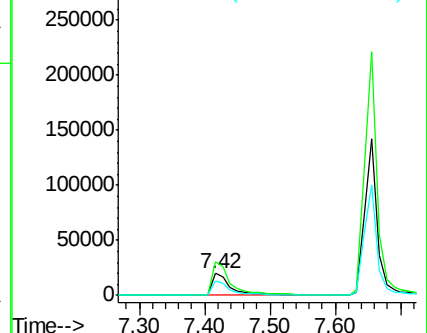
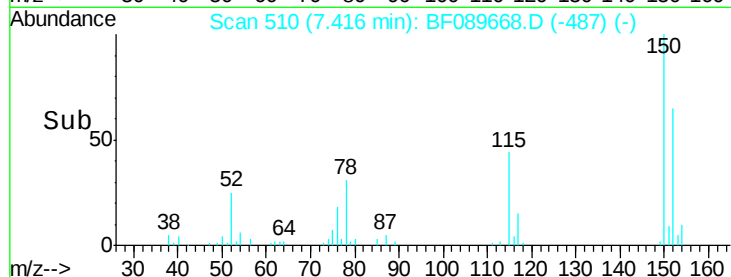
115 68.1 52.0 78.0



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: 74.33 ng

RT: 5.30 min Scan# 325

Delta R.T. -0.01 min

Lab File: BF089668.D

Acq: 8 Aug 2016 19:00

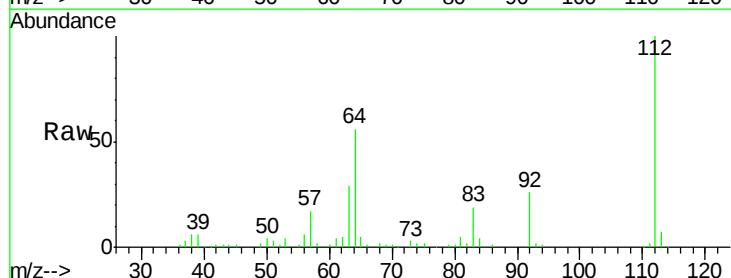
Tgt Ion:112 Resp: 187170

Ion Ratio Lower Upper

112 100

64 56.1 49.9 74.9

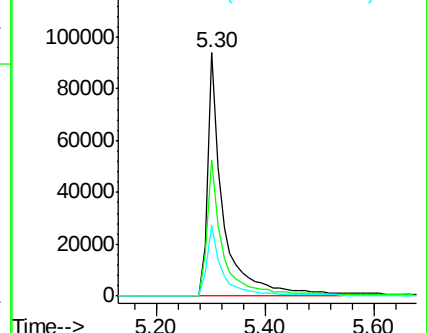
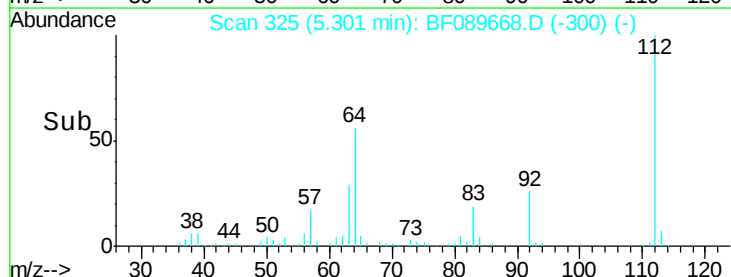
63 28.9 26.1 39.1

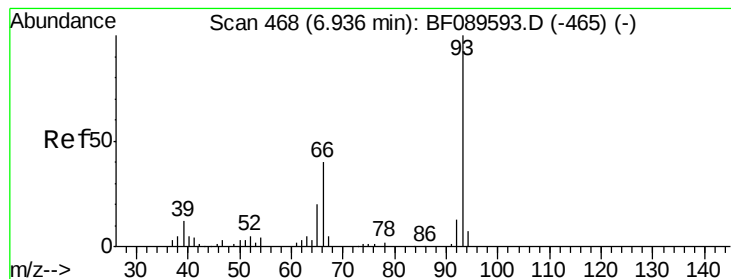


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 0.06 ng

RT: 7.06 min Scan# 479

Delta R.T. 0.13 min

Lab File: BF089668.D

Acq: 8 Aug 2016 19:00

Instrument :

BNA_F

ClientSampleId :

WP-1

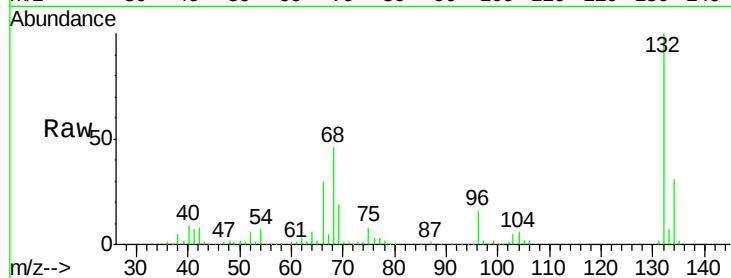
Tgt Ion: 93 Resp: 269

Ion Ratio Lower Upper

93 100

66 16095.9 32.2 48.2#

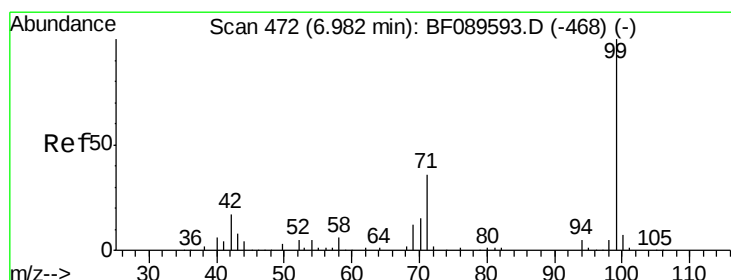
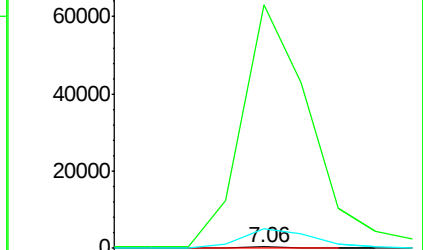
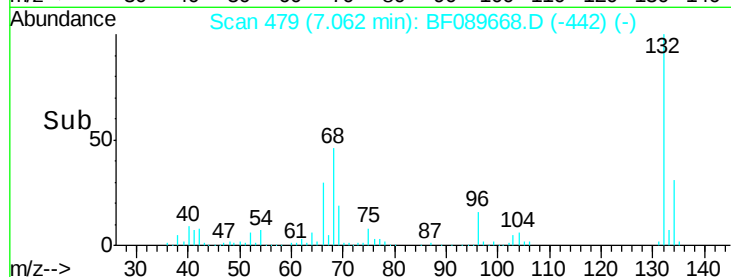
65 1301.3 15.8 23.8#



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 49.23 ng

RT: 6.95 min Scan# 469

Delta R.T. -0.03 min

Lab File: BF089668.D

Acq: 8 Aug 2016 19:00

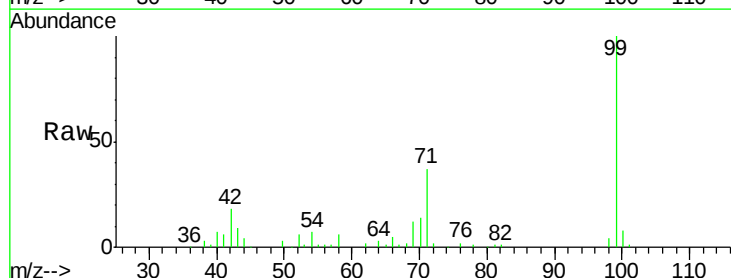
Tgt Ion: 99 Resp: 168161

Ion Ratio Lower Upper

99 100

42 18.3 13.7 20.5

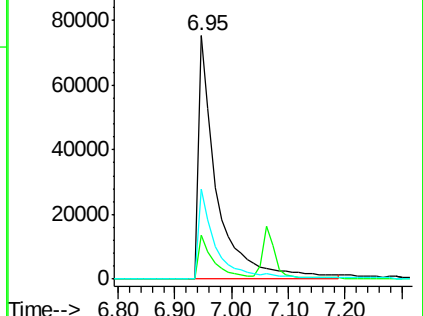
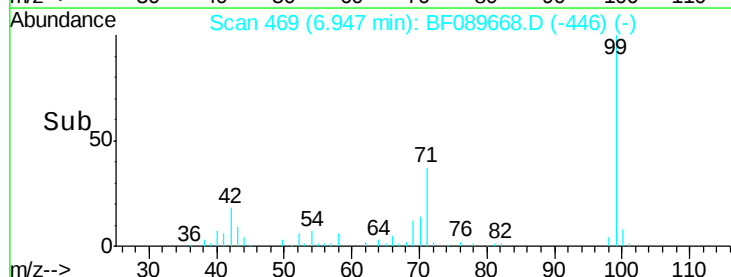
71 37.0 29.0 43.4

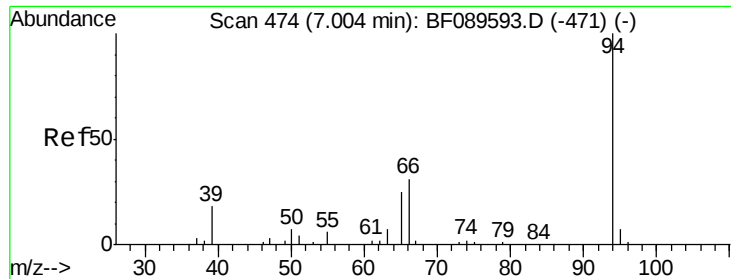


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

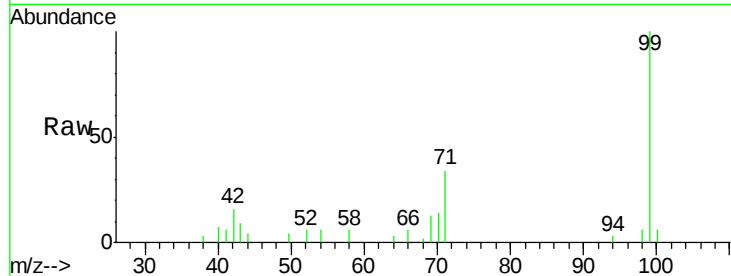




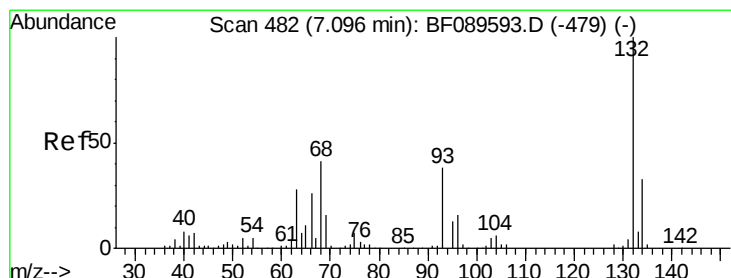
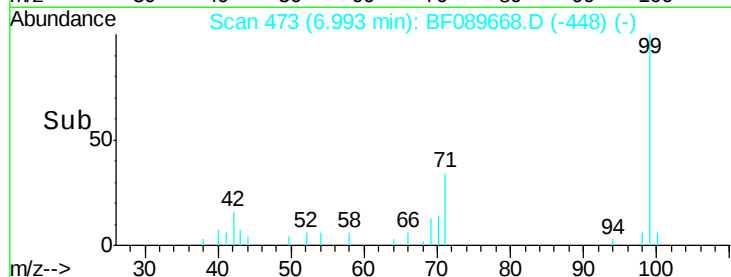
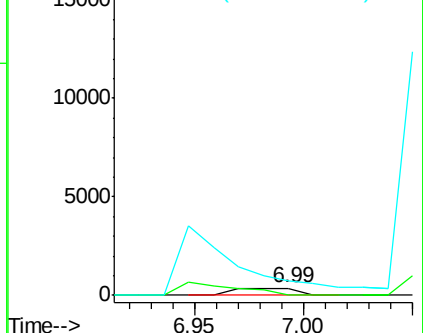
#10
Phenol
Concen: 0.21 ng
RT: 6.99 min Scan# 473
Delta R.T. -0.01 min
Lab File: BF089668.D
Acq: 8 Aug 2016 19:00

Instrument :
BNA_F
ClientSampled :
WP-1

Tgt Ion: 94 Resp: 746
Ion Ratio Lower Upper
94 100
65 0.0 11.0 51.0#
66 207.9 27.4 67.4#

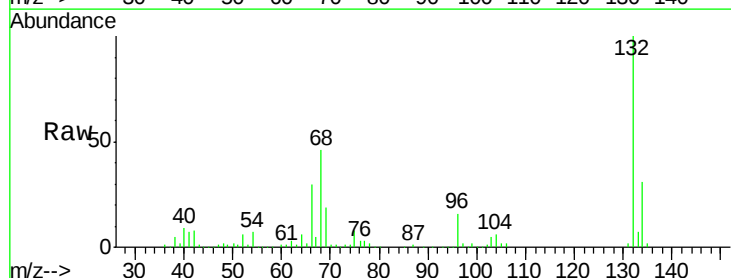


Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

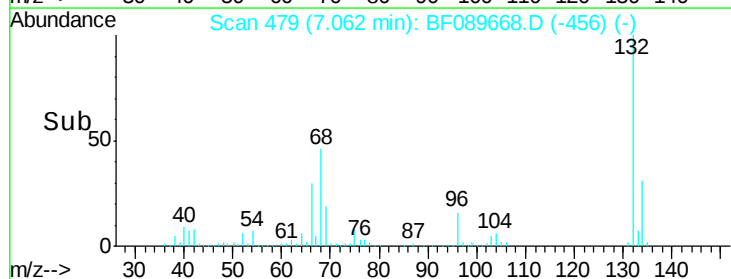
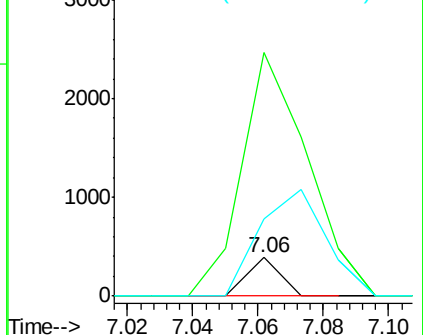


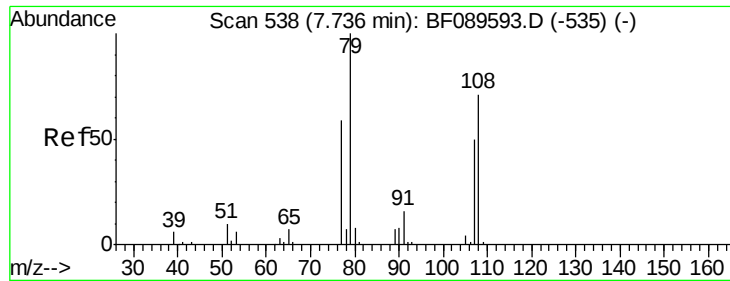
#11
bis(2-Chloroethyl)ether
Concen: 0.09 ng
RT: 7.06 min Scan# 479
Delta R.T. -0.03 min
Lab File: BF089668.D
Acq: 8 Aug 2016 19:00

Tgt Ion: 93 Resp: 269
Ion Ratio Lower Upper
93 100
63 628.8 52.2 92.2#
95 198.0 13.1 53.1#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 63.00 (62.70 to 63.70): BF0
Ion 95.00 (94.70 to 95.70): BF0





#15

Benzyl Alcohol

Concen: 2.37 ng

RT: 7.66 min Scan# 531

Delta R.T. -0.08 min

Lab File: BF089668.D

Acq: 8 Aug 2016 19:00

Instrument :

BNA_F

ClientSampled :

WP-1

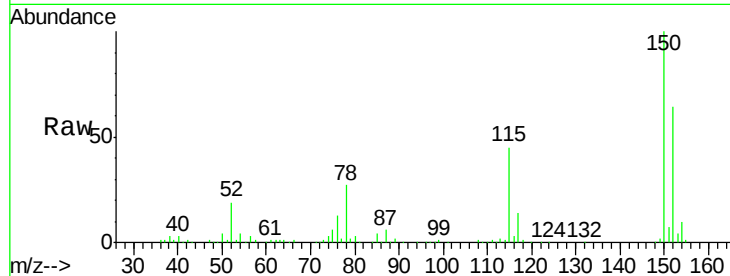
Tgt Ion: 79 Resp: 5313

Ion Ratio Lower Upper

79 100

108 35.4 58.3 87.5#

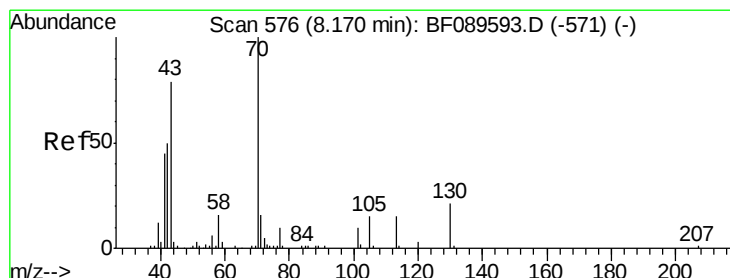
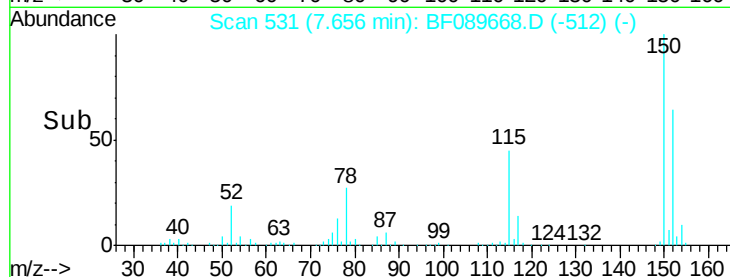
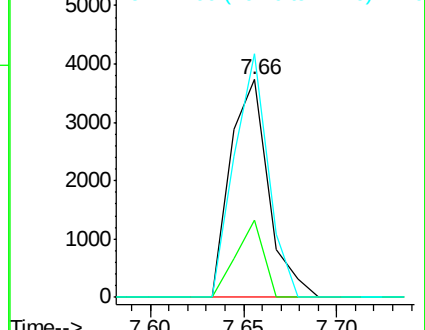
77 111.9 48.7 73.1#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 16.15 ng

RT: 8.33 min Scan# 590

Delta R.T. 0.16 min

Lab File: BF089668.D

Acq: 8 Aug 2016 19:00

Tgt Ion: 70 Resp: 39849

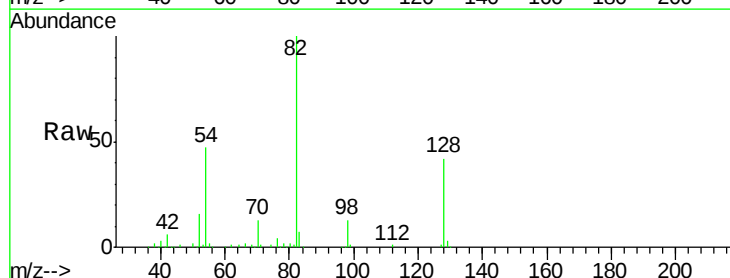
Ion Ratio Lower Upper

70 100

42 44.5 40.2 60.2

101 0.0 7.8 11.6#

130 2.1 16.4 24.6#

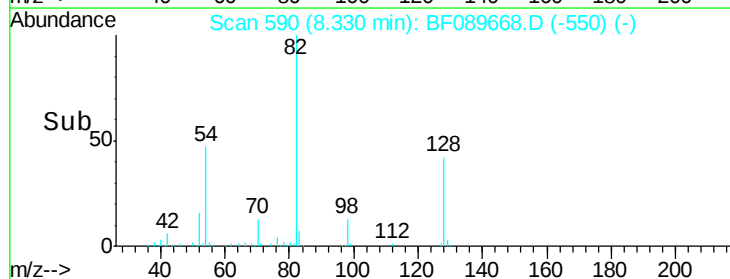
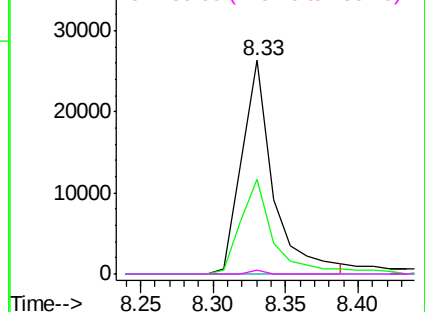


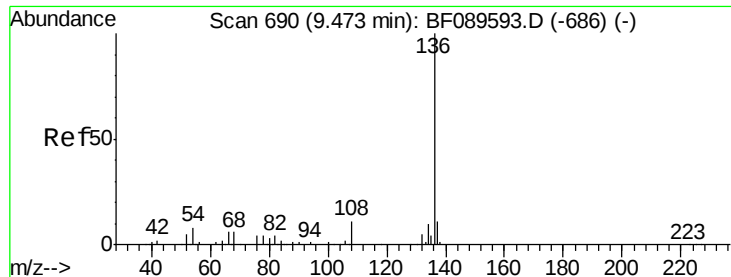
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

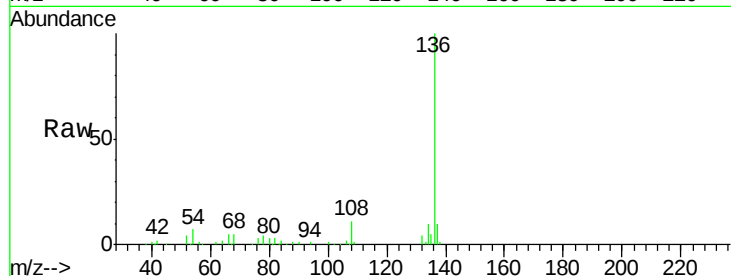




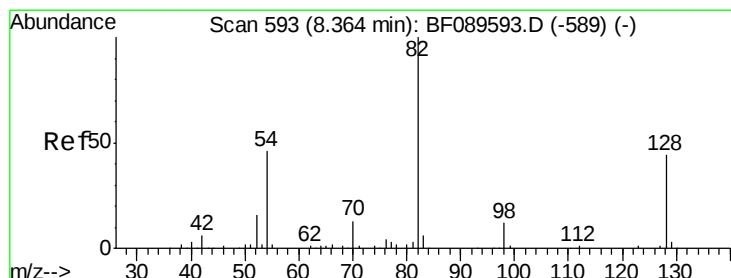
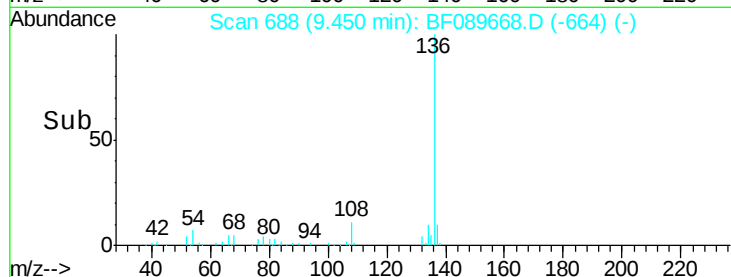
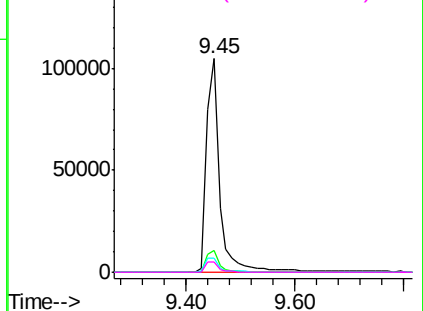
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.45 min Scan# 688
Delta R.T. -0.02 min
Lab File: BF089668.D
Acq: 8 Aug 2016 19:00

Instrument :
BNA_F
ClientSampleId :
WP-1

Tgt Ion:	136	Resp:	178911
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.6	12.8
54	6.7	6.0	9.0
68	5.0	4.6	6.8

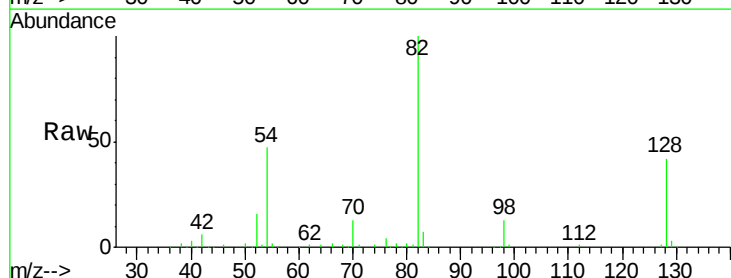


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

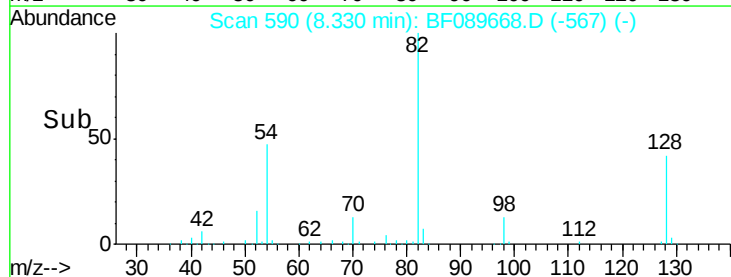
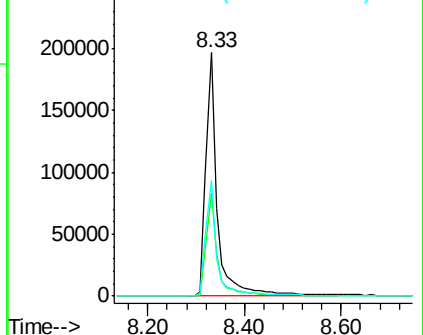


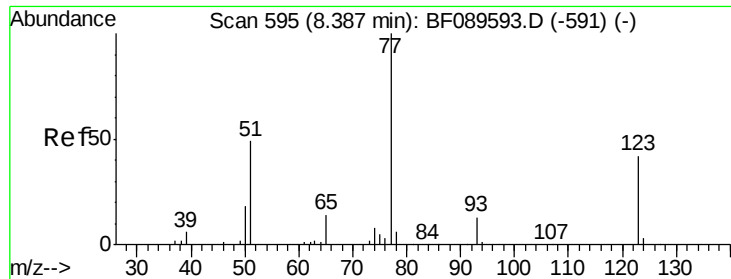
#23
Nitrobenzene-d5
Concen: 101.86 ng
RT: 8.33 min Scan# 590
Delta R.T. -0.03 min
Lab File: BF089668.D
Acq: 8 Aug 2016 19:00

Tgt Ion:	82	Resp:	329470
Ion	Ratio	Lower	Upper
82	100		
128	42.1	35.4	53.0
54	47.3	36.4	54.6



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

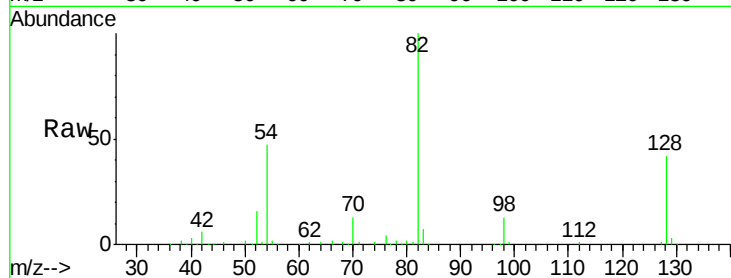




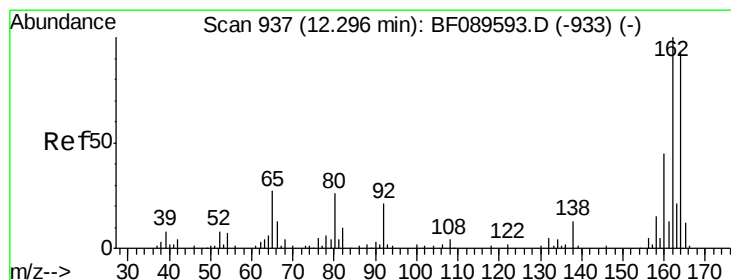
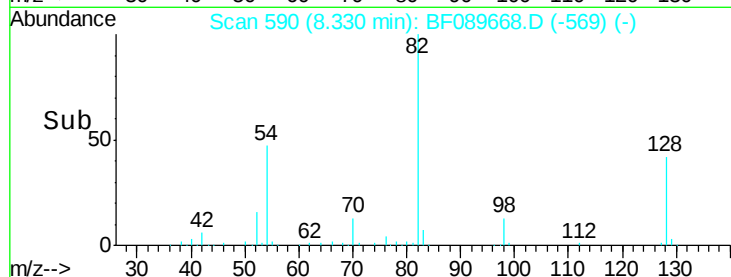
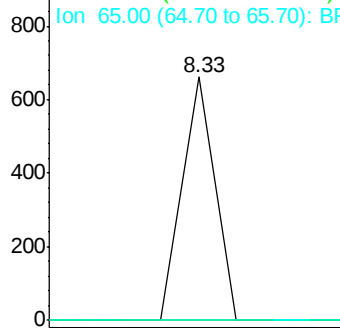
#24
 Nitrobenzene
 Concen: 0.15 ng
 RT: 8.33 min Scan# 590
 Delta R.T. -0.06 min
 Lab File: BF089668.D
 Acq: 8 Aug 2016 19:00

Instrument :
 BNA_F
 ClientSampled :
 WP-1

Tgt Ion: 77 Resp: 454
 Ion Ratio Lower Upper
 77 100
 123 0.0 32.6 49.0#
 65 0.0 11.0 16.6#

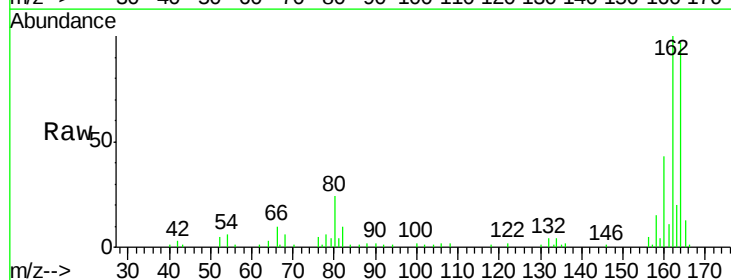


Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): BF0
 Ion 65.00 (64.70 to 65.70): BF0

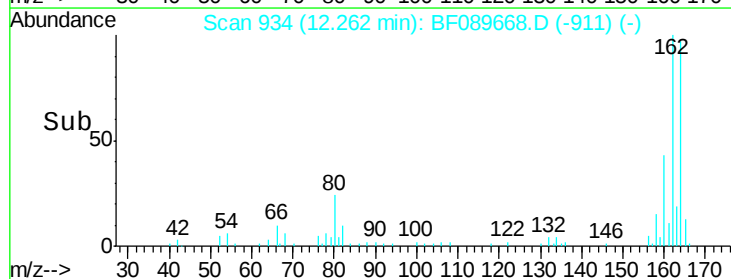
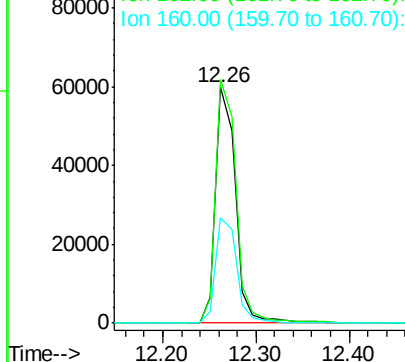


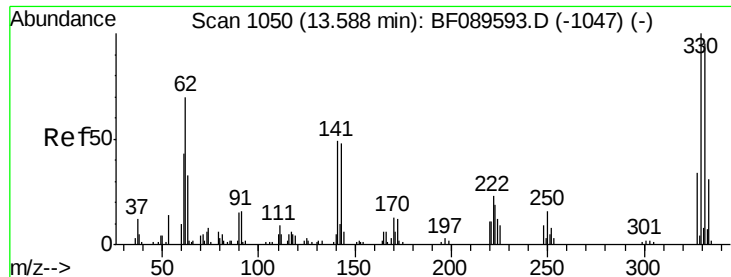
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.26 min Scan# 934
 Delta R.T. -0.03 min
 Lab File: BF089668.D
 Acq: 8 Aug 2016 19:00

Tgt Ion: 164 Resp: 88531
 Ion Ratio Lower Upper
 164 100
 162 103.4 85.7 128.5
 160 44.9 38.2 57.4



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

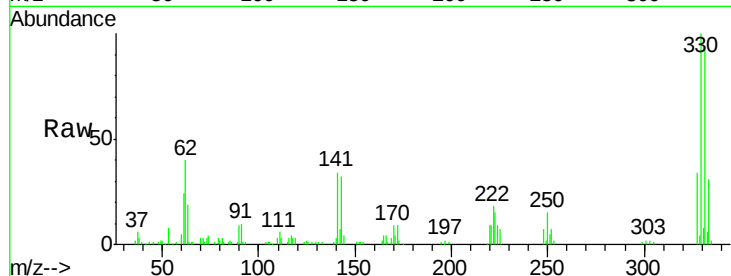




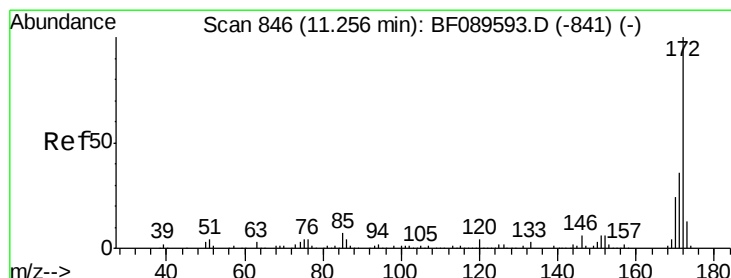
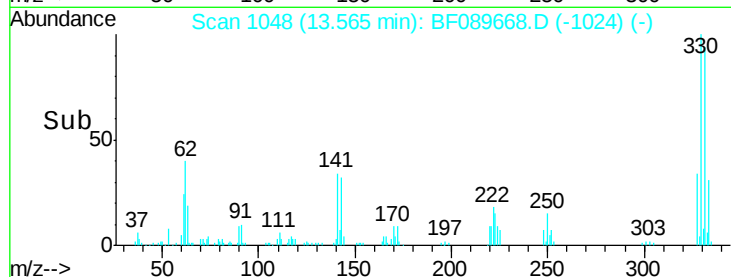
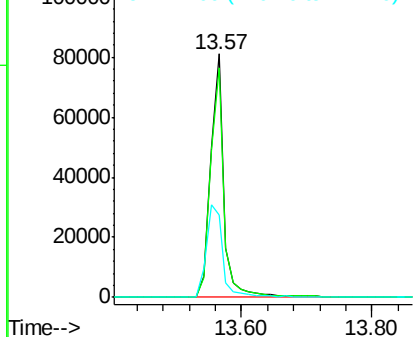
#41
 2,4,6-Tribromophenol
 Concen: 160.05 ng
 RT: 13.57 min Scan# 1048
 Delta R.T. -0.02 min
 Lab File: BF089668.D
 Acq: 8 Aug 2016 19:00

Instrument :
 BNA_F
 ClientSampled :
 WP-1

Tgt Ion: 330 Resp: 116933
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 46.1 38.6 57.8

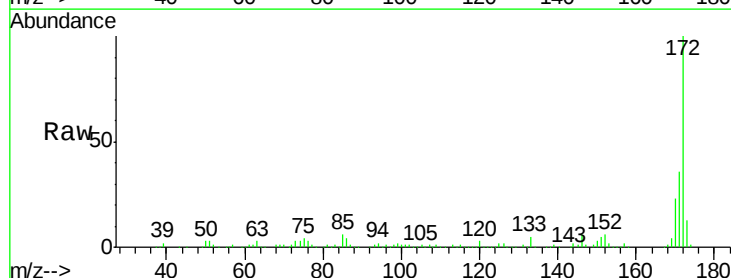


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

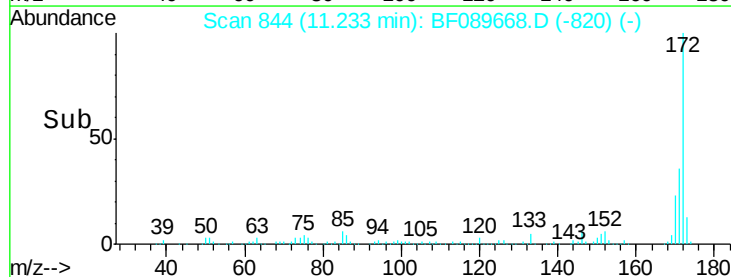
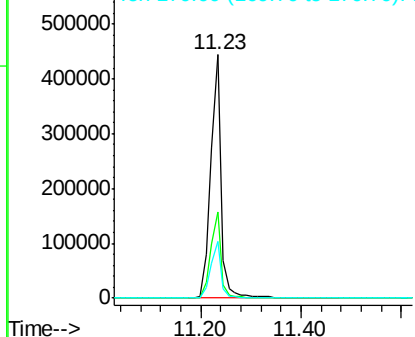


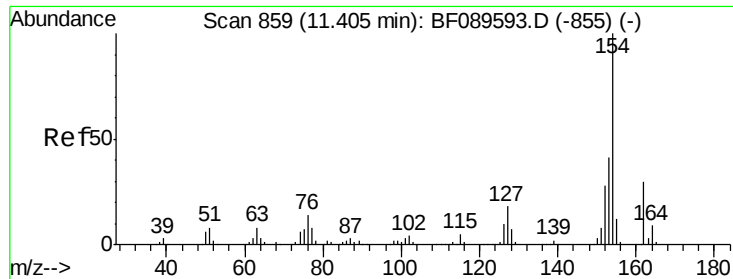
#44
 2-Fluorobiphenyl
 Concen: 94.29 ng
 RT: 11.23 min Scan# 844
 Delta R.T. -0.02 min
 Lab File: BF089668.D
 Acq: 8 Aug 2016 19:00

Tgt Ion: 172 Resp: 642305
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.9 43.3
 170 23.4 19.0 28.6



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

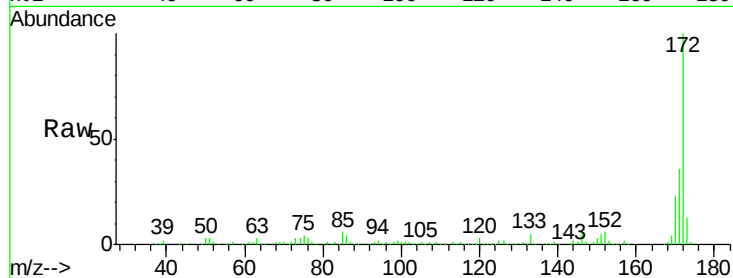




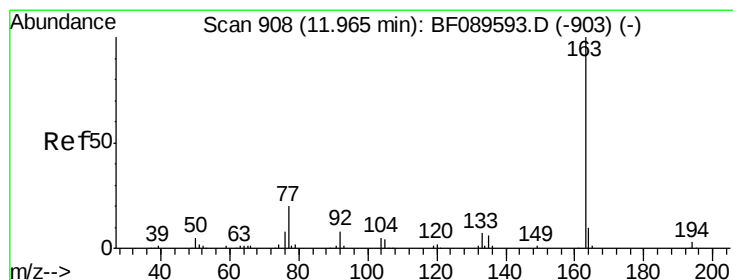
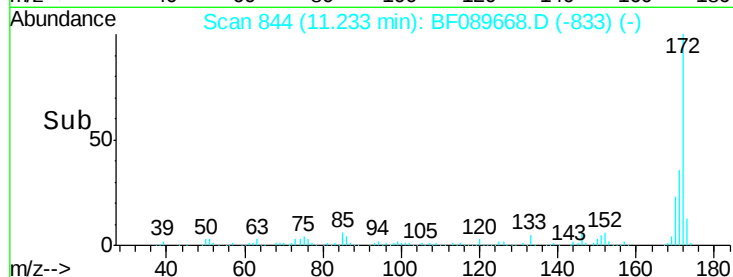
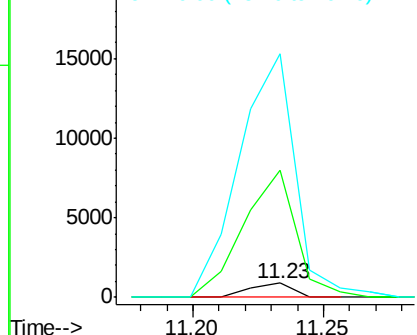
#45
 1,1'-Biphenyl
 Concen: 0.13 ng
 RT: 11.23 min Scan# 844
 Delta R.T. -0.17 min
 Lab File: BF089668.D
 Acq: 8 Aug 2016 19:00

Instrument :
 BNA_F
 ClientSampleId :
 WP-1

Tgt Ion:154 Resp: 1044
 Ion Ratio Lower Upper
 154 100
 153 883.0 20.6 60.6#
 76 1687.1 0.0 33.7#

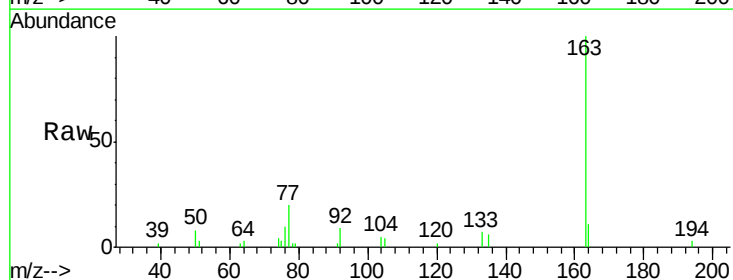


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

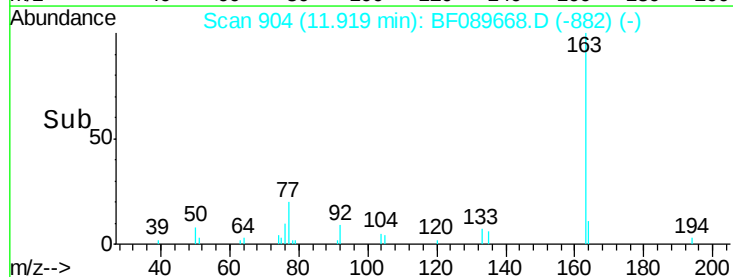
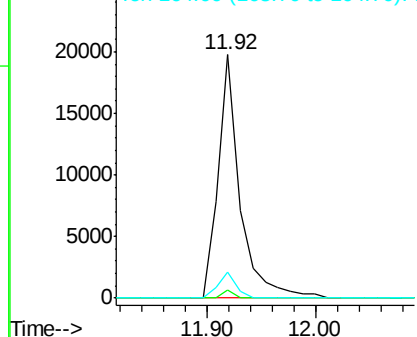


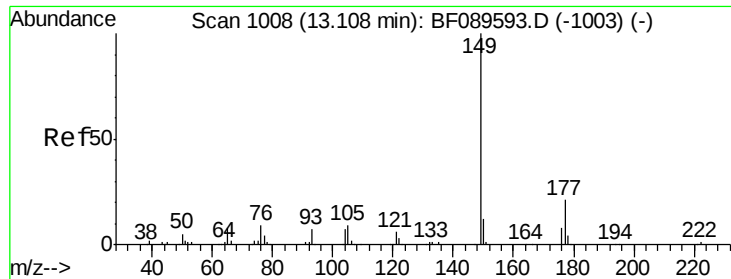
#49
 Dimethylphthalate
 Concen: 4.00 ng
 RT: 11.92 min Scan# 904
 Delta R.T. -0.05 min
 Lab File: BF089668.D
 Acq: 8 Aug 2016 19:00

Tgt Ion:163 Resp: 27729
 Ion Ratio Lower Upper
 163 100
 194 3.3 2.7 4.1
 164 10.7 7.8 11.6



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

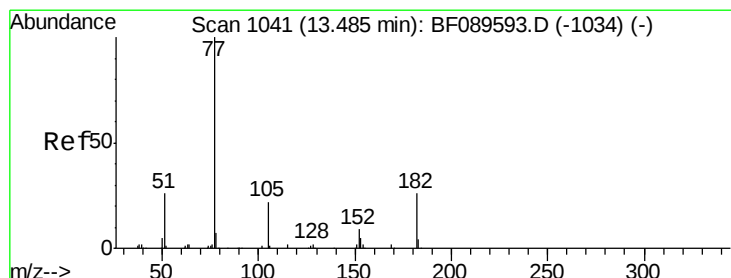
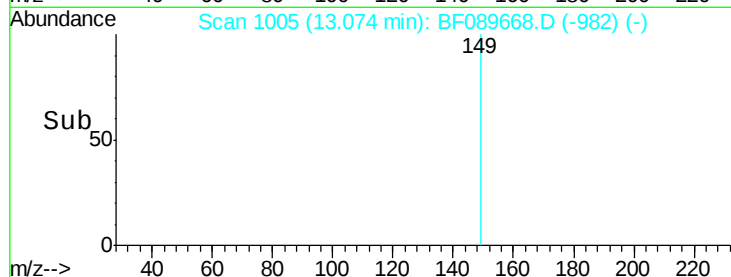
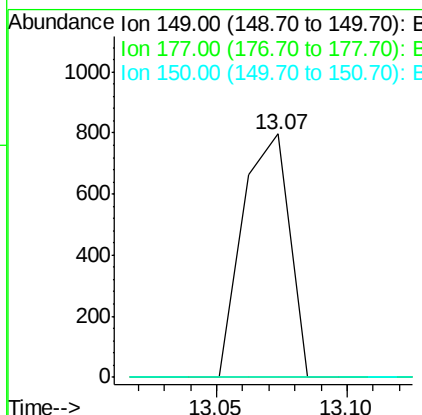
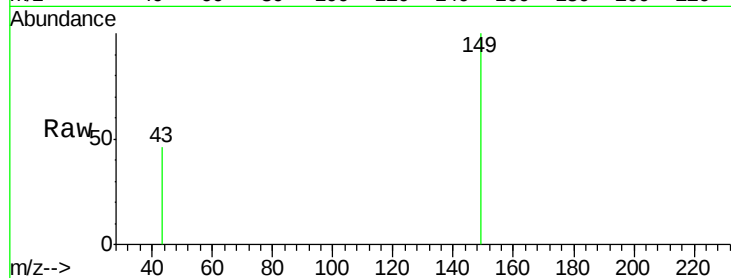




#59
Diethylphthalate
Concen: 0.14 ng
RT: 13.07 min Scan# 1005
Delta R.T. -0.03 min
Lab File: BF089668.D
Acq: 8 Aug 2016 19:00

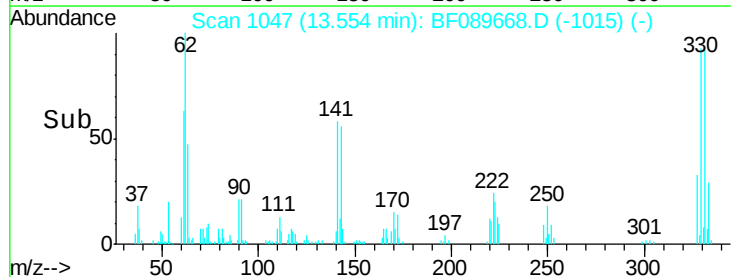
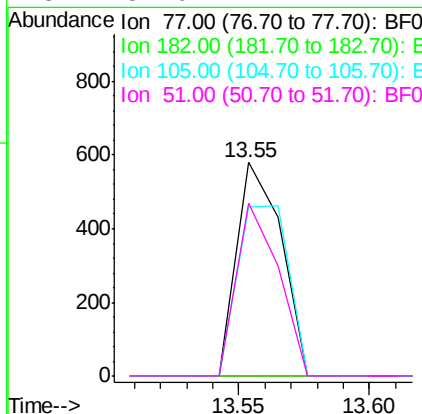
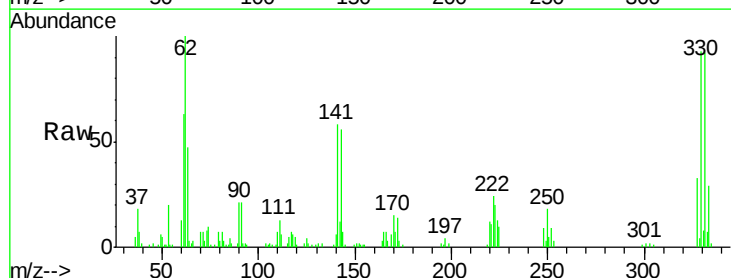
Instrument :
BNA_F
ClientSampleId :
WP-1

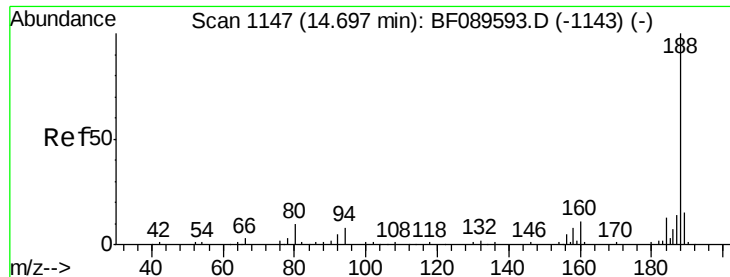
Tgt Ion: 149 Resp: 1003
Ion Ratio Lower Upper
149 100
177 0.0 16.8 25.2#
150 0.0 9.6 14.4#



#62
Azobenzene
Concen: 0.10 ng
RT: 13.55 min Scan# 1047
Delta R.T. 0.07 min
Lab File: BF089668.D
Acq: 8 Aug 2016 19:00

Tgt Ion: 77 Resp: 693
Ion Ratio Lower Upper
77 100
182 0.0 5.8 45.8#
105 79.1 2.9 42.9#
51 81.0 7.2 47.2#

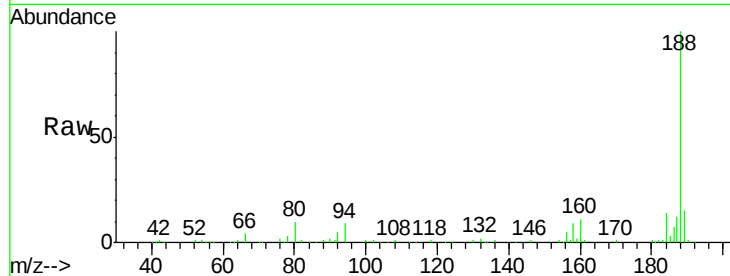




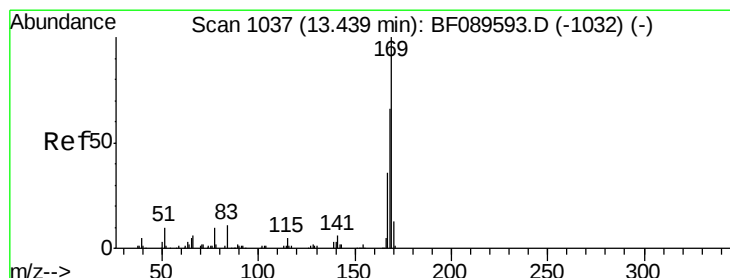
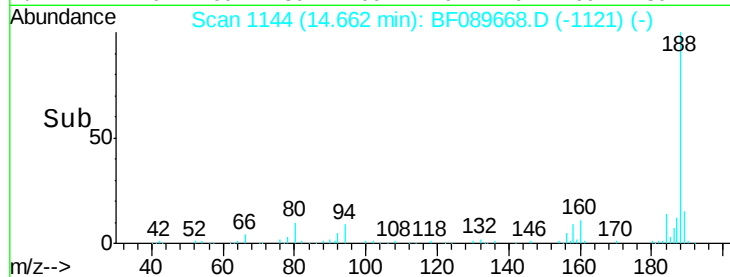
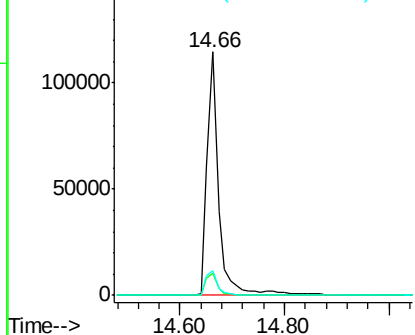
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.66 min Scan# 1144
Delta R.T. -0.03 min
Lab File: BF089668.D
Acq: 8 Aug 2016 19:00

Instrument :
BNA_F
ClientSampleId :
WP-1

Tgt Ion:188 Resp: 177621
Ion Ratio Lower Upper
188 100
94 9.1 6.5 9.7
80 10.3 8.0 12.0

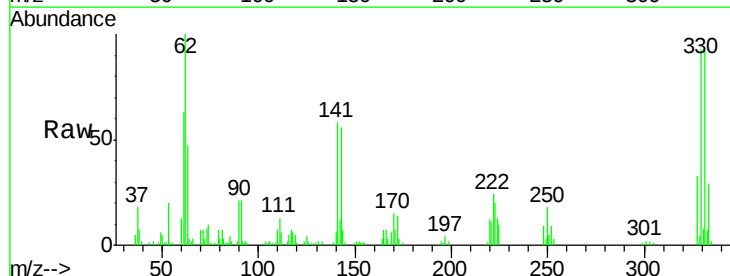


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

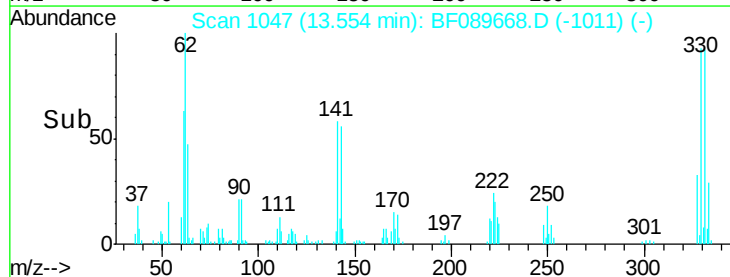
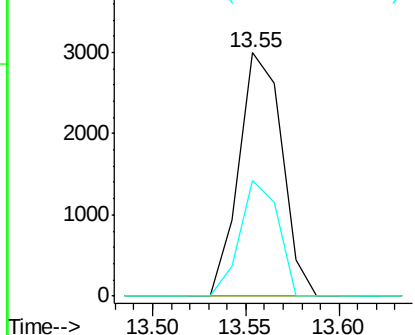


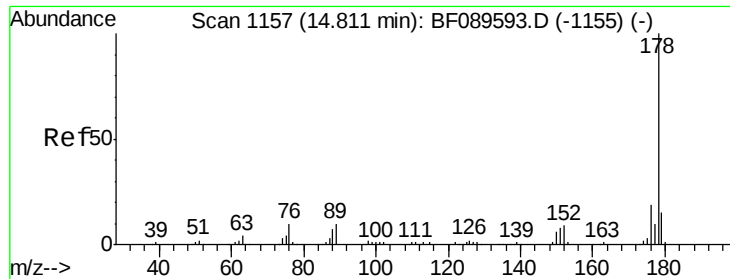
#65
n-Nitrosodiphenylamine
Concen: 0.80 ng
RT: 13.55 min Scan# 1047
Delta R.T. 0.11 min
Lab File: BF089668.D
Acq: 8 Aug 2016 19:00

Tgt Ion:169 Resp: 4799
Ion Ratio Lower Upper
169 100
168 0.0 54.2 81.2#
167 47.7 28.9 43.3#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

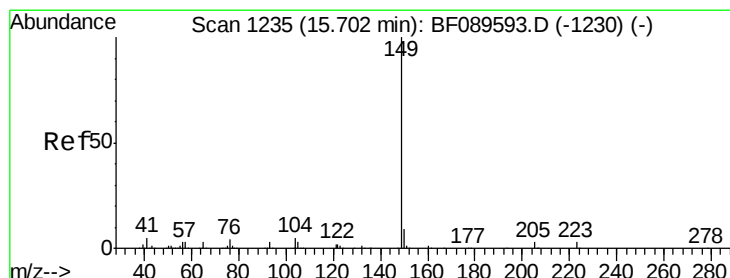
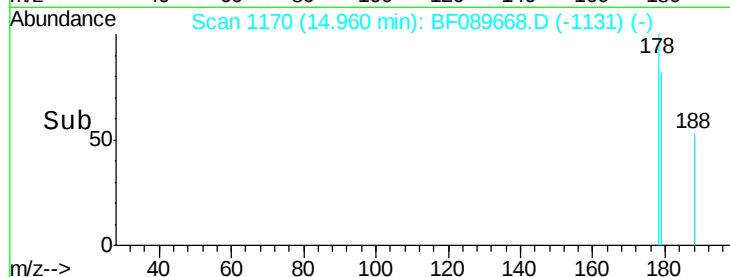
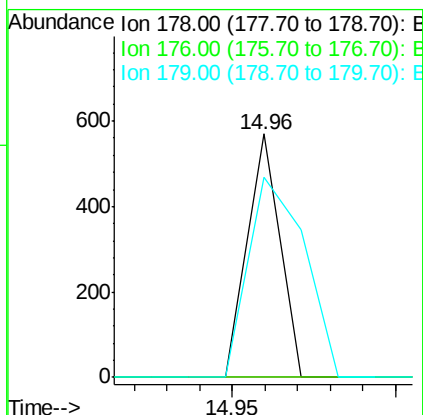
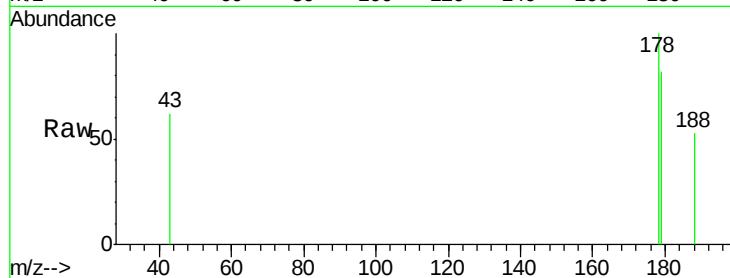




#71
 Anthracene
 Concen: 0.04 ng
 RT: 14.96 min Scan# 1170
 Delta R.T. 0.15 min
 Lab File: BF089668.D
 Acq: 8 Aug 2016 19:00

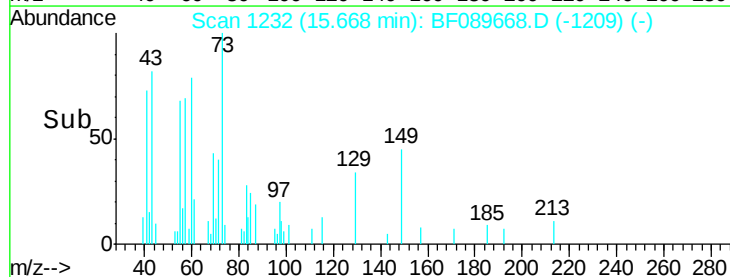
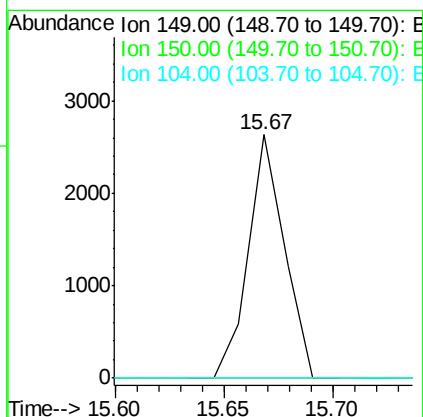
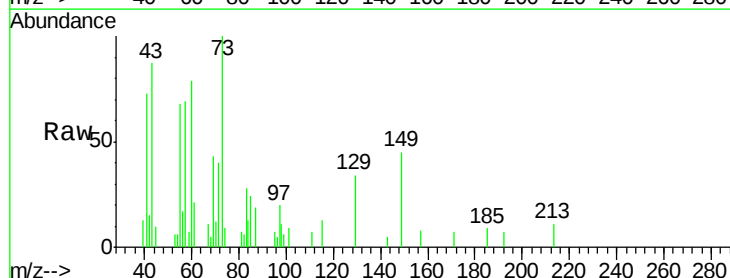
Instrument :
 BNA_F
 ClientSampleId :
 WP-1

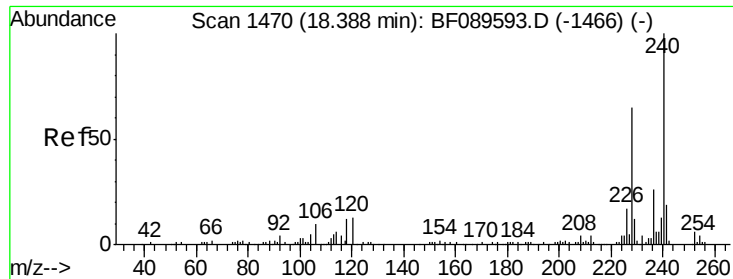
Tgt Ion:178 Resp: 391
 Ion Ratio Lower Upper
 178 100
 176 0.0 15.0 22.4#
 179 82.3 12.4 18.6#



#73
 Di-n-butylphthalate
 Concen: 0.26 ng
 RT: 15.67 min Scan# 1232
 Delta R.T. -0.03 min
 Lab File: BF089668.D
 Acq: 8 Aug 2016 19:00

Tgt Ion:149 Resp: 3043
 Ion Ratio Lower Upper
 149 100
 150 0.0 7.2 10.8#
 104 0.0 3.8 5.8#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.37 min Scan# 1468

Delta R.T. -0.02 min

Lab File: BF089668.D

Acq: 8 Aug 2016 19:00

Instrument :

BNA_F

ClientSampleId :

WP-1

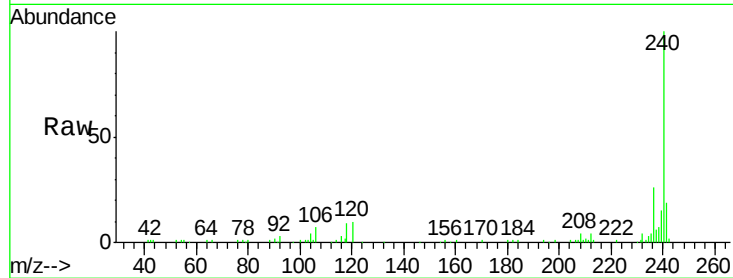
Tgt Ion:240 Resp: 140337

Ion Ratio Lower Upper

240 100

120 10.0 10.6 15.8#

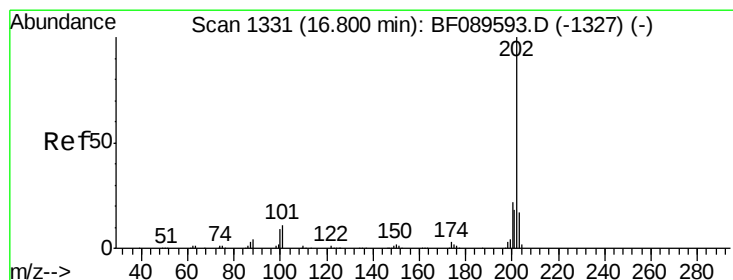
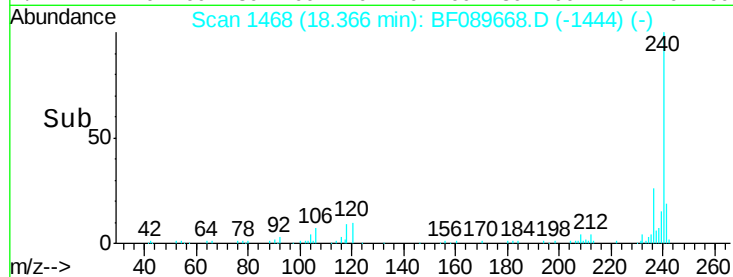
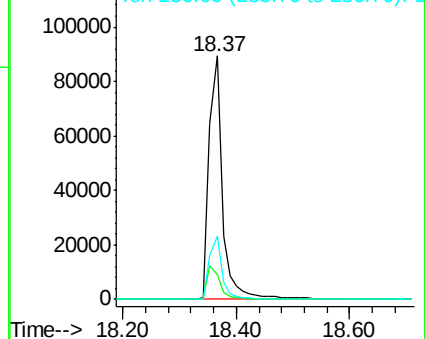
236 25.8 20.6 30.8



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



#77

Pyrene

Concen: 0.04 ng

RT: 16.78 min Scan# 1329

Delta R.T. -0.02 min

Lab File: BF089668.D

Acq: 8 Aug 2016 19:00

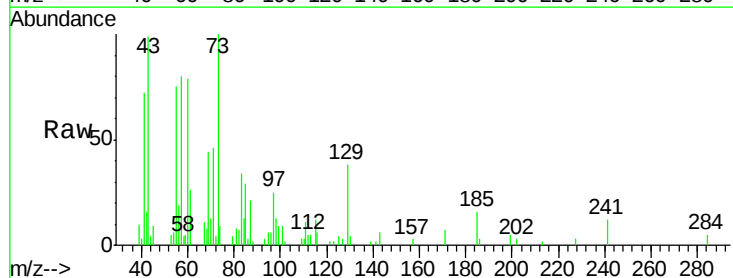
Tgt Ion:202 Resp: 486

Ion Ratio Lower Upper

202 100

200 0.0 17.4 26.0#

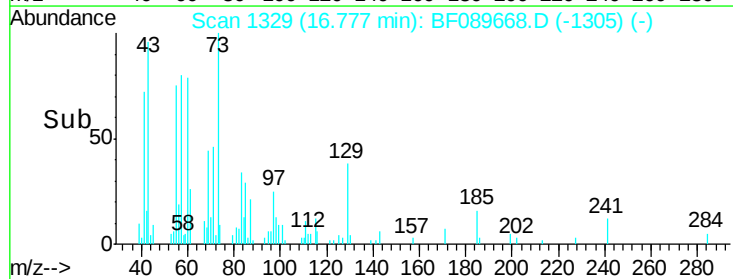
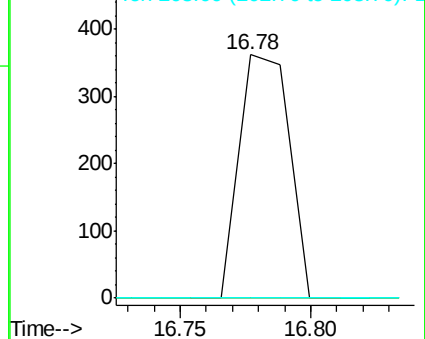
203 0.0 13.6 20.4#

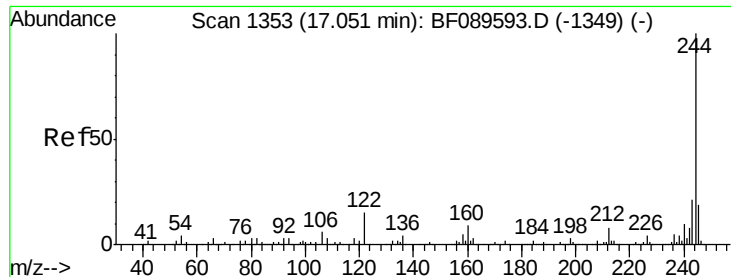


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

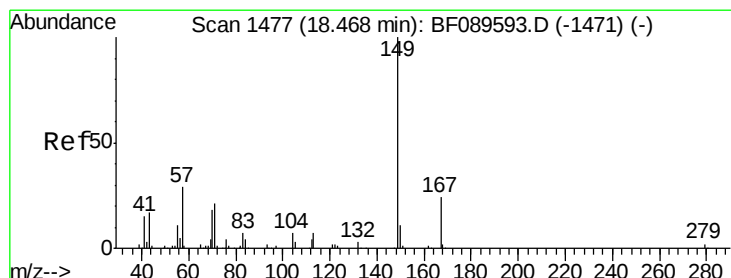
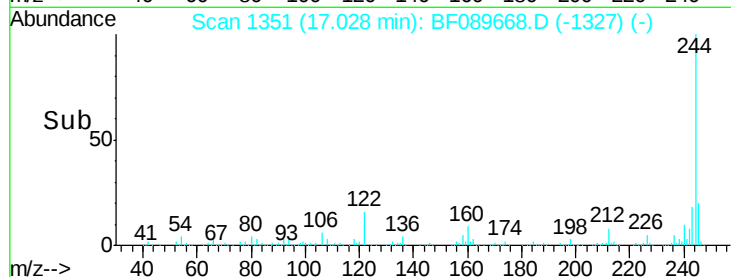
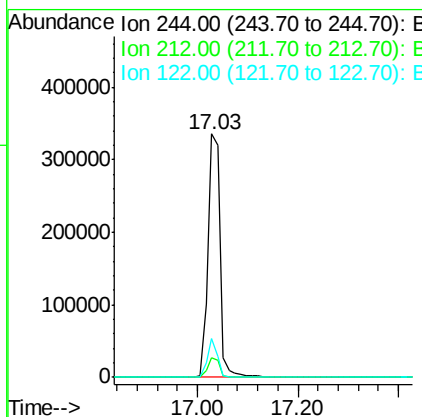
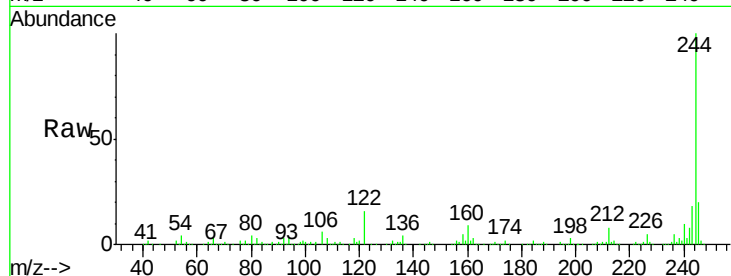




#78
 Terphenyl-d14
 Concen: 79.33 ng
 RT: 17.03 min Scan# 1351
 Delta R.T. -0.02 min
 Lab File: BF089668.D
 Acq: 8 Aug 2016 19:00

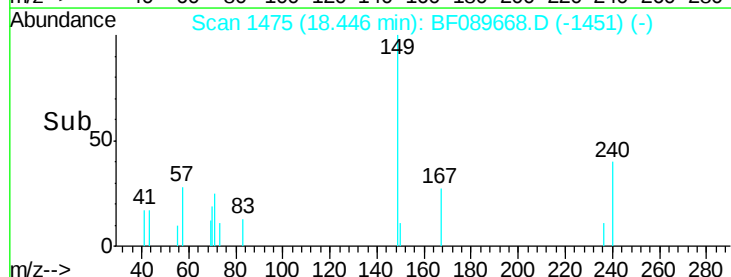
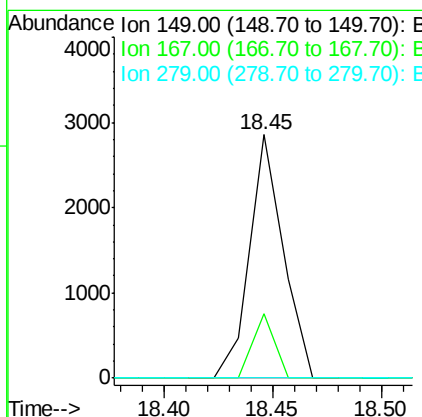
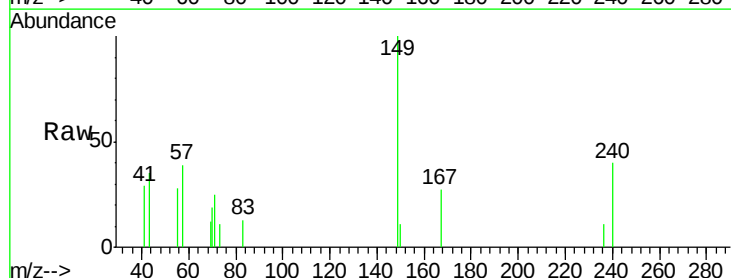
Instrument :
 BNA_F
 ClientSampleId :
 WP-1

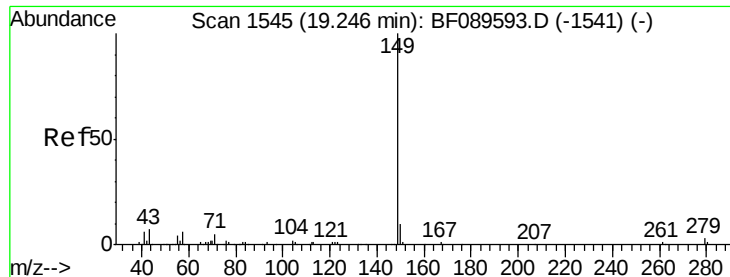
Tgt Ion:244 Resp: 563966
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.4 9.6
 122 15.9 12.2 18.2



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.42 ng
 RT: 18.45 min Scan# 1475
 Delta R.T. -0.02 min
 Lab File: BF089668.D
 Acq: 8 Aug 2016 19:00

Tgt Ion:149 Resp: 3071
 Ion Ratio Lower Upper
 149 100
 167 26.6 19.0 28.4
 279 0.0 1.8 2.6#

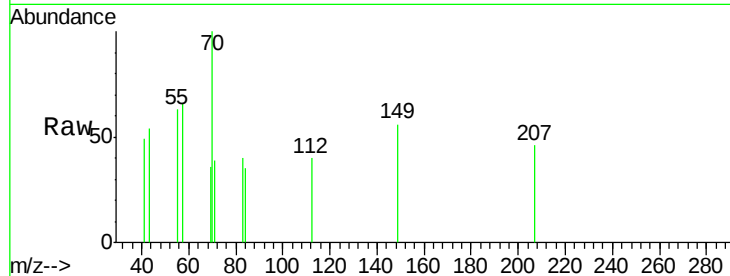




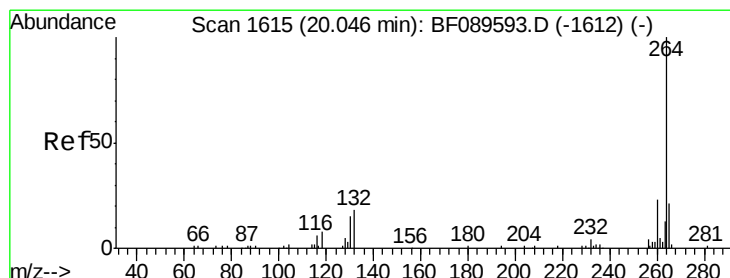
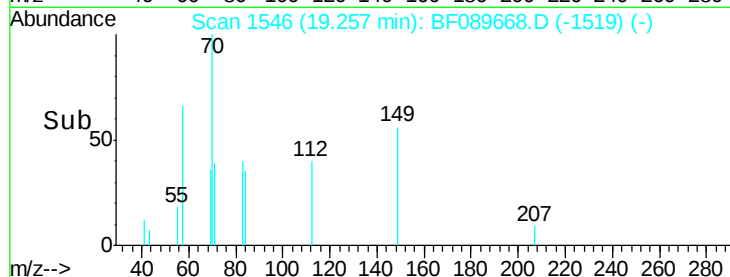
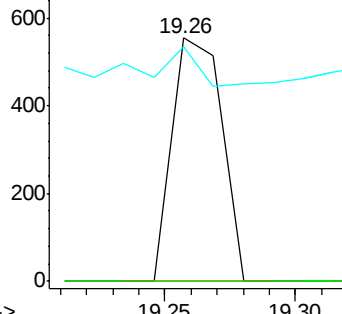
#84
Di-n-octyl phthalate
Concen: 0.07 ng
RT: 19.26 min Scan# 1546
Delta R.T. 0.01 min
Lab File: BF089668.D
Acq: 8 Aug 2016 19:00

Instrument :
BNA_F
ClientSampleId :
WP-1

Tgt Ion:149 Resp: 733
Ion Ratio Lower Upper
149 100
167 0.0 1.1 1.7#
43 13.5 7.0 10.4#

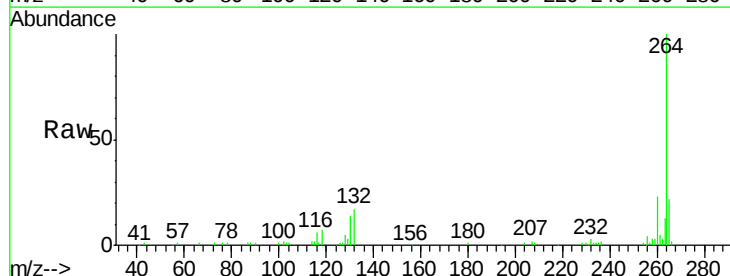


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0



#86
Perylene-d12
Concen: 20.00 ng
RT: 20.02 min Scan# 1613
Delta R.T. -0.02 min
Lab File: BF089668.D
Acq: 8 Aug 2016 19:00

Tgt Ion:264 Resp: 95416
Ion Ratio Lower Upper
264 100
260 22.6 18.7 28.1
265 21.7 16.5 24.7



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

