

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
 Data File : BF089666.D
 Acq On : 8 Aug 2016 17:42
 Operator : UM/SJ
 Sample : H4367-13
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C2K1

Quant Time: Aug 09 02:30:21 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

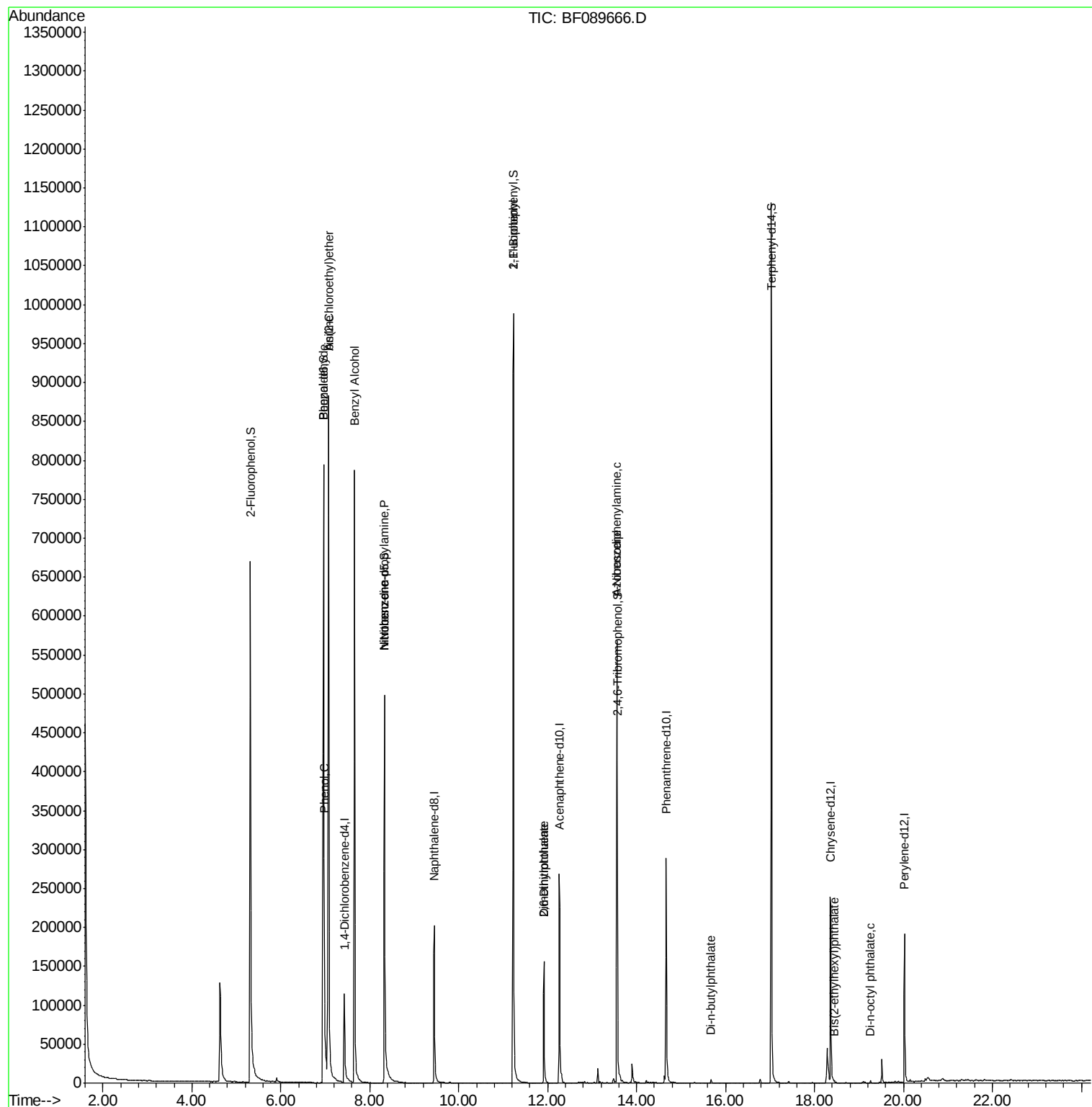
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	43212	20.00	ng	-0.02
21) Naphthalene-d8	9.45	136	182604	20.00	ng	-0.02
38) Acenaphthene-d10	12.26	164	89685	20.00	ng	-0.03
63) Phenanthrene-d10	14.66	188	183493	20.00	ng	-0.03
75) Chrysene-d12	18.37	240	150385	20.00	ng	-0.02
86) Perylene-d12	20.02	264	103453	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	364288	141.30	ng	0.00
7) Phenol-d6	6.96	99	481514	137.67	ng	-0.02
23) Nitrobenzene-d5	8.33	82	300852	91.13	ng	-0.03
41) 2,4,6-Tribromophenol	13.57	330	98707	133.37	ng	-0.02
44) 2-Fluorobiphenyl	11.23	172	580172	84.07	ng	-0.02
78) Terphenyl-d14	17.03	244	535456	70.29	ng	-0.02
Target Compounds						
6) Aniline	7.07	93	522	0.12	ng	# 1
9) Benzaldehyde	6.96	77	316	0.25	ng	# 1
10) Phenol	6.97	94	4774	1.33	ng	# 1
11) bis(2-Chloroethyl)ether	7.07	93	522	0.17	ng	# 1
15) Benzyl Alcohol	7.66	79	4773	2.08	ng	# 45
19) n-Nitroso-di-n-propylamine	8.33	70	36685	14.52	ng	# 83
24) Nitrobenzene	8.33	77	592	0.19	ng	# 42
45) 1,1'-Biphenyl	11.23	154	926	0.11	ng	# 1
49) Dimethylphthalate	11.92	163	107899	15.35	ng	# 99
50) 2,6-Dinitrotoluene	11.92	165	910	0.65	ng	# 15
62) Azobenzene	13.55	77	335	0.05	ng	# 1
65) n-Nitrosodiphenylamine	13.55	169	3764	0.61	ng	# 41
73) Di-n-butylphthalate	15.67	149	1023	0.08	ng	# 79
83) Bis(2-ethylhexyl)phthalate	18.45	149	742	0.09	ng	# 55
84) Di-n-octyl phthalate	19.26	149	556	0.05	ng	# 1

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.43 min Scan# 511

Delta R.T. -0.02 min

Lab File: BF089666.D

Acq: 8 Aug 2016 17:42

Instrument :

BNA_F

ClientSampled :

C2K1

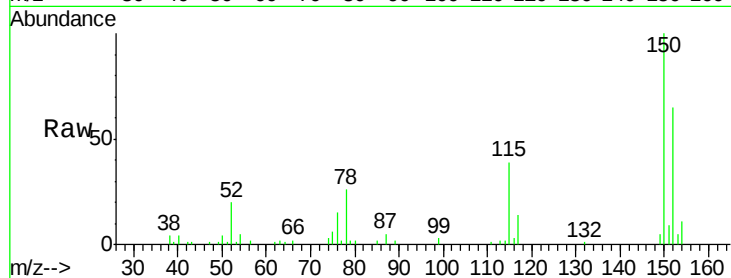
Tgt Ion:152 Resp: 43212

Ion Ratio Lower Upper

152 100

150 154.1 125.5 188.3

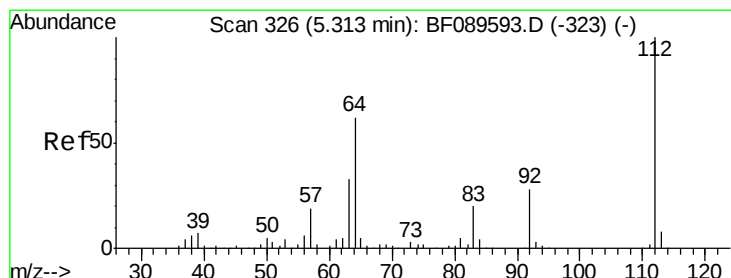
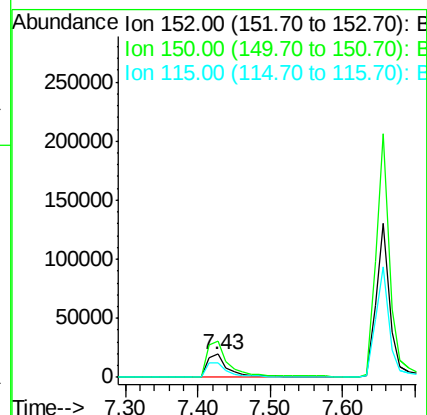
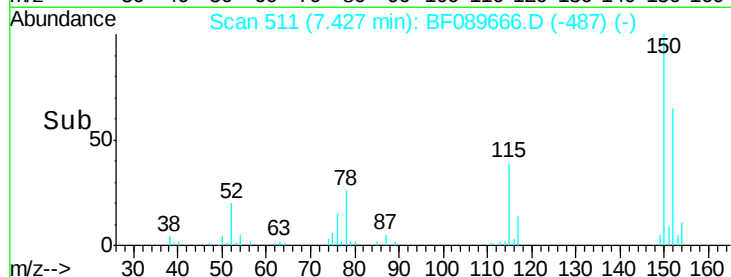
115 60.6 52.0 78.0



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: 141.30 ng

RT: 5.31 min Scan# 326

Delta R.T. 0.00 min

Lab File: BF089666.D

Acq: 8 Aug 2016 17:42

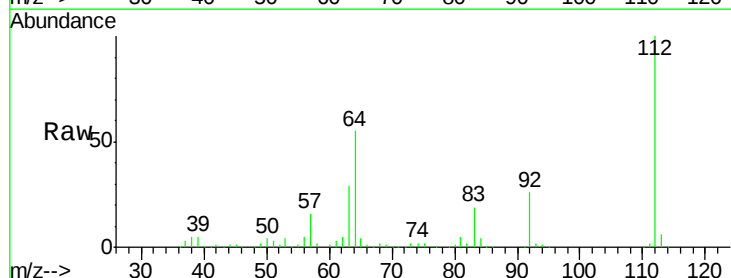
Tgt Ion:112 Resp: 364288

Ion Ratio Lower Upper

112 100

64 55.1 49.9 74.9

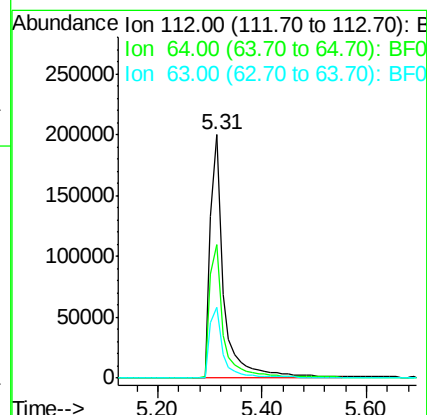
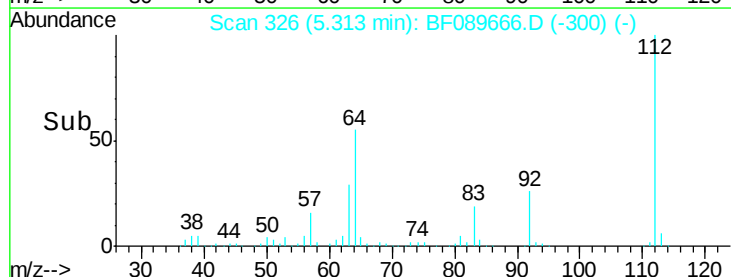
63 28.9 26.1 39.1

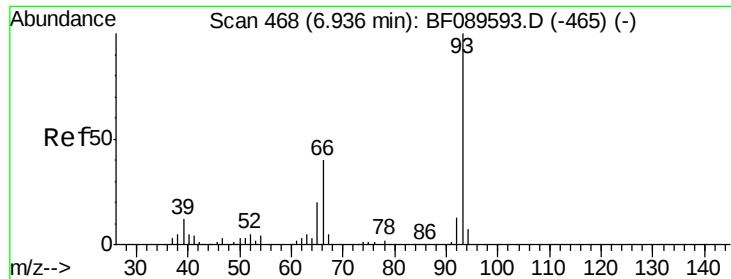


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 0.12 ng

RT: 7.07 min Scan# 480

Delta R.T. 0.14 min

Lab File: BF089666.D

Acq: 8 Aug 2016 17:42

Instrument :

BNA_F

ClientSampleId :

C2K1

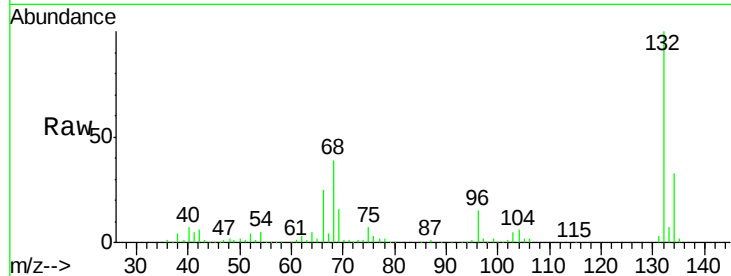
Tgt Ion: 93 Resp: 522

Ion Ratio Lower Upper

93 100

66 15894.6 32.2 48.2#

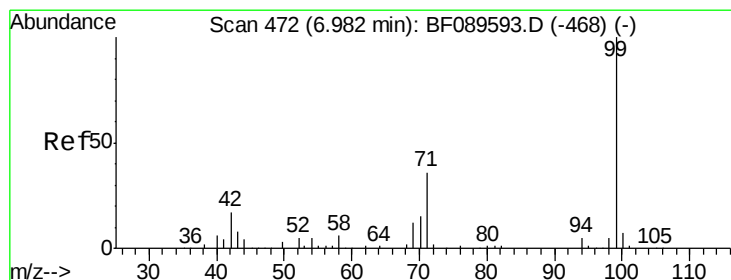
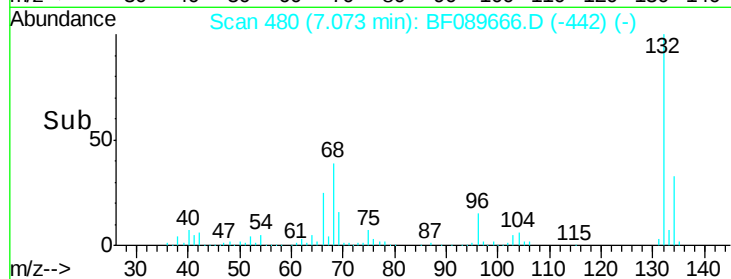
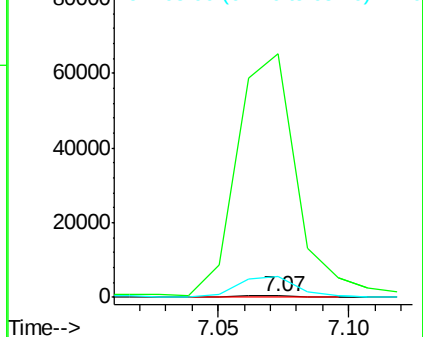
65 1362.0 15.8 23.8#



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: 137.67 ng

RT: 6.96 min Scan# 470

Delta R.T. -0.02 min

Lab File: BF089666.D

Acq: 8 Aug 2016 17:42

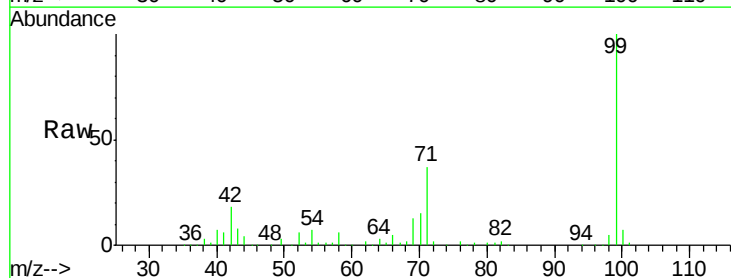
Tgt Ion: 99 Resp: 481514

Ion Ratio Lower Upper

99 100

42 17.6 13.7 20.5

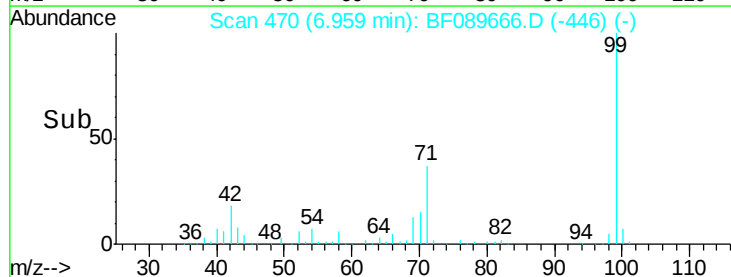
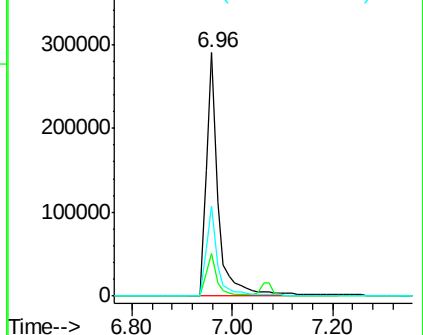
71 37.0 29.0 43.4

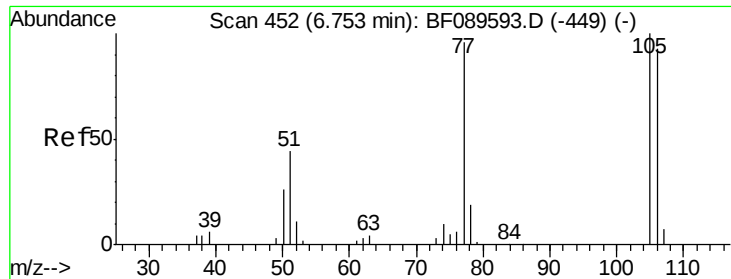


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 0.25 ng

RT: 6.96 min Scan# 470

Delta R.T. 0.21 min

Lab File: BF089666.D

Acq: 8 Aug 2016 17:42

Instrument :

BNA_F

ClientSampleId :

C2K1

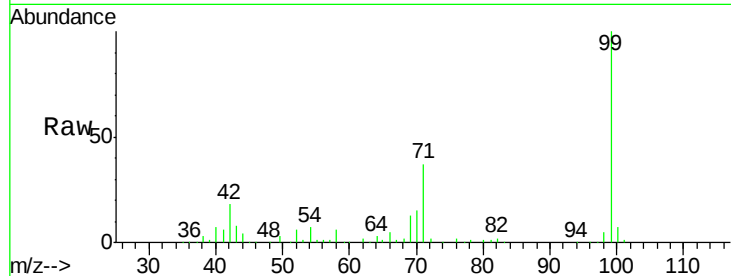
Tgt Ion: 77 Resp: 316

Ion Ratio Lower Upper

77 100

105 0.0 84.7 124.7#

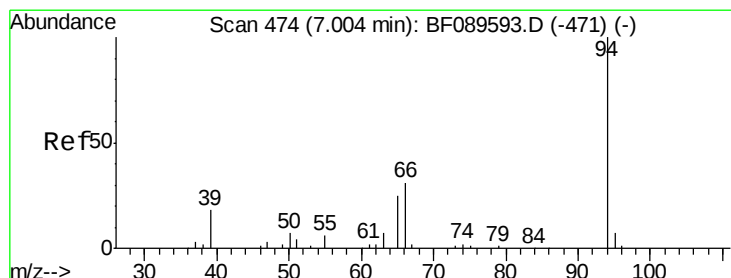
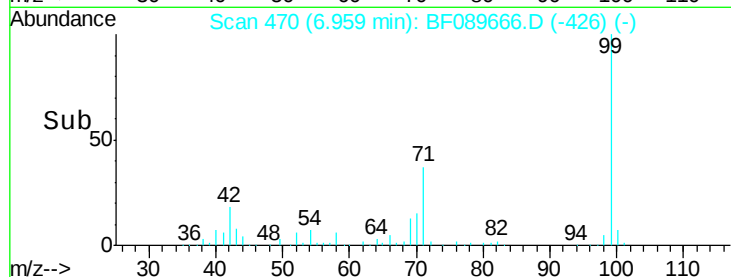
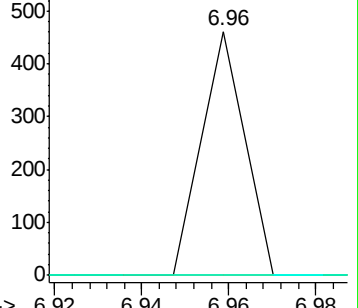
106 0.0 77.1 117.1#



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: 1.33 ng

RT: 6.97 min Scan# 471

Delta R.T. -0.03 min

Lab File: BF089666.D

Acq: 8 Aug 2016 17:42

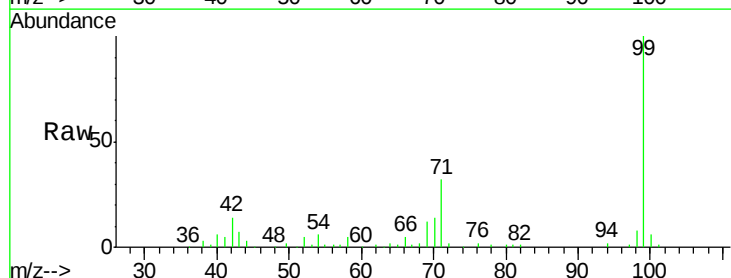
Tgt Ion: 94 Resp: 4774

Ion Ratio Lower Upper

94 100

65 79.8 11.0 51.0#

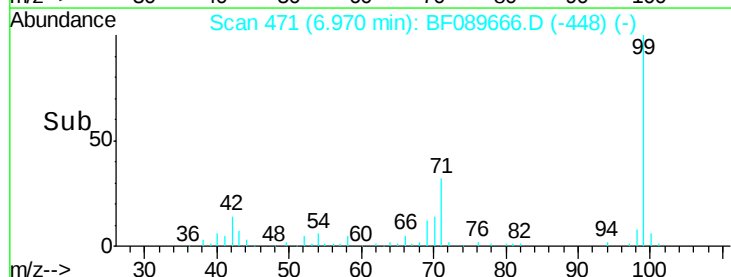
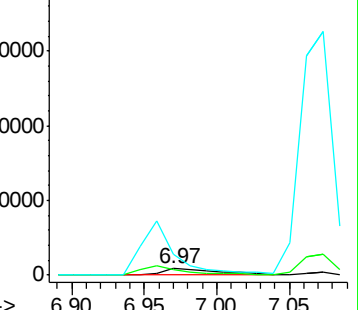
66 309.7 27.4 67.4#

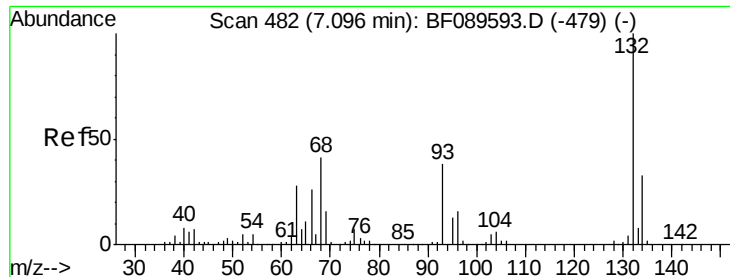


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

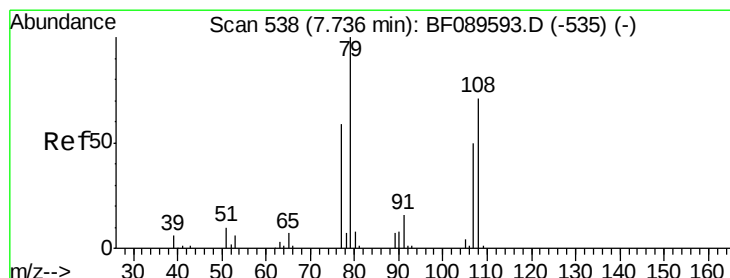
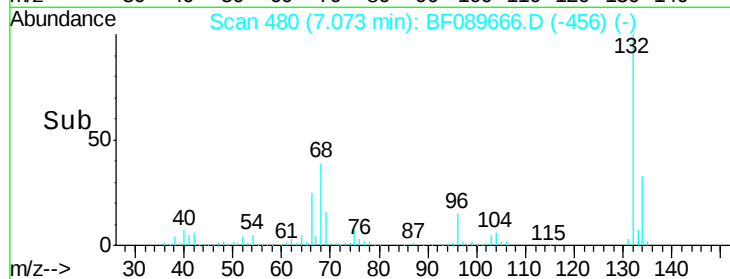
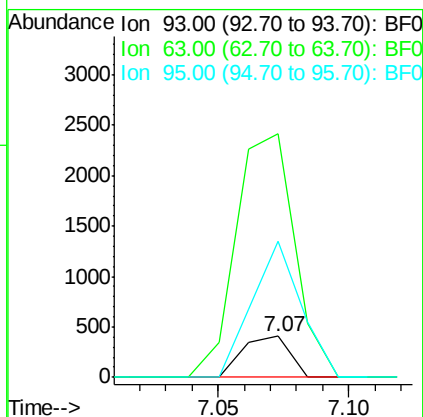
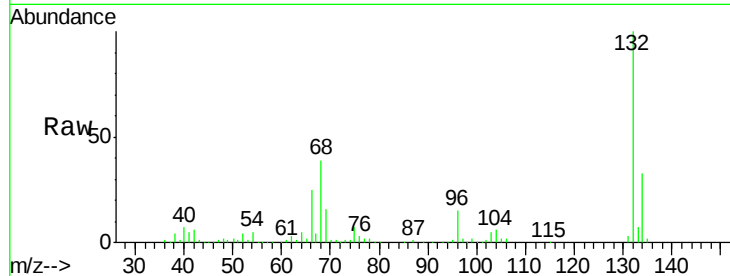




#11
bis(2-Chloroethyl)ether
Concen: 0.17 ng
RT: 7.07 min Scan# 480
Delta R.T. -0.02 min
Lab File: BF089666.D
Acq: 8 Aug 2016 17:42

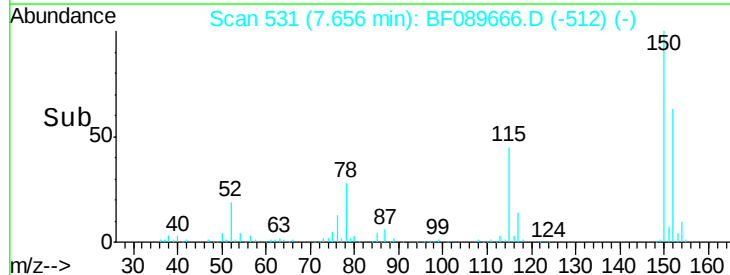
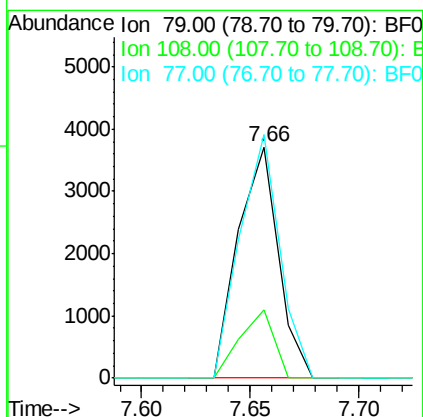
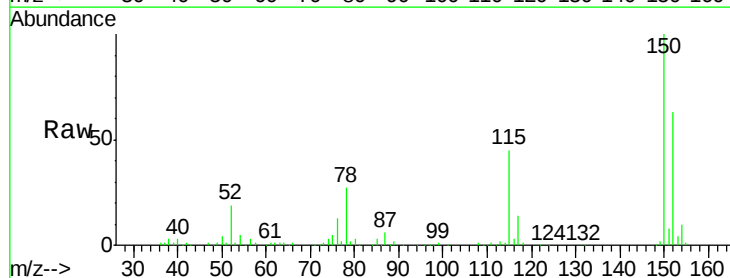
Instrument :
BNA_F
ClientSampleId :
C2K1

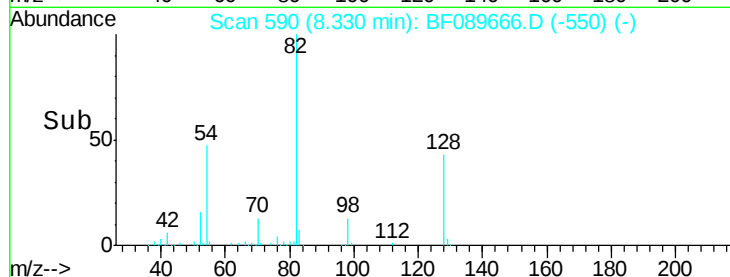
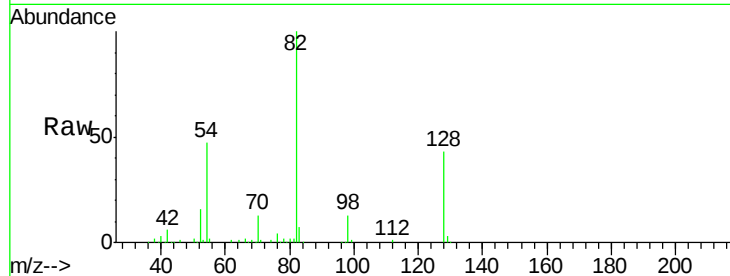
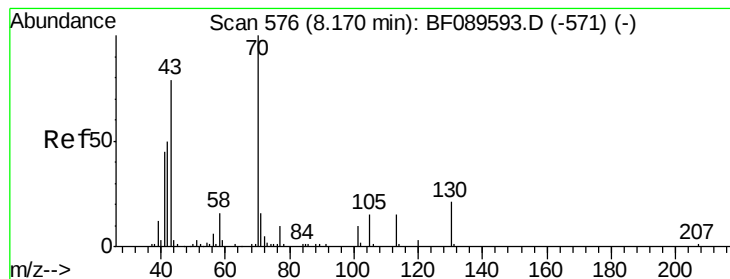
Tgt Ion: 93 Resp: 522
Ion Ratio Lower Upper
93 100
63 588.8 52.2 92.2#
95 329.5 13.1 53.1#



#15
Benzyl Alcohol
Concen: 2.08 ng
RT: 7.66 min Scan# 531
Delta R.T. -0.08 min
Lab File: BF089666.D
Acq: 8 Aug 2016 17:42

Tgt Ion: 79 Resp: 4773
Ion Ratio Lower Upper
79 100
108 29.5 58.3 87.5#
77 105.5 48.7 73.1#





#19

n-Nitroso-di-n-propylamine

Concen: 14.52 ng

RT: 8.33 min Scan# 590

Delta R.T. 0.16 min

Lab File: BF089666.D

Acq: 8 Aug 2016 17:42

Instrument :

BNA_F

ClientSampleId :

C2K1

Tgt Ion: 70 Resp: 36685

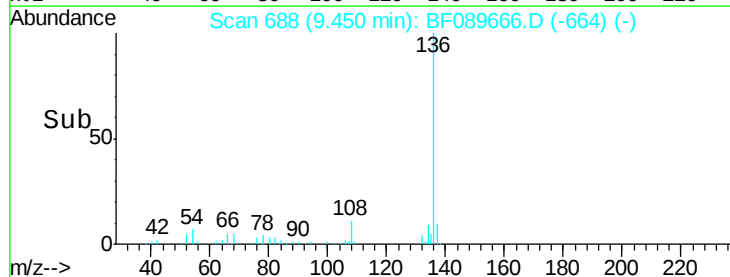
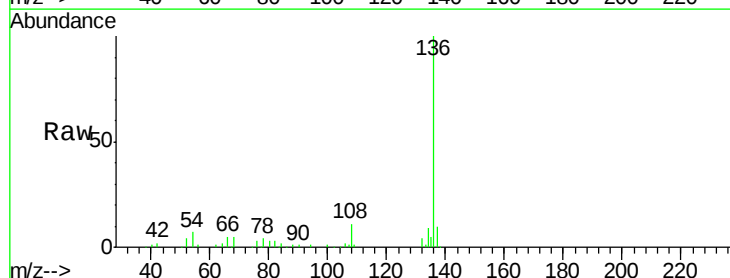
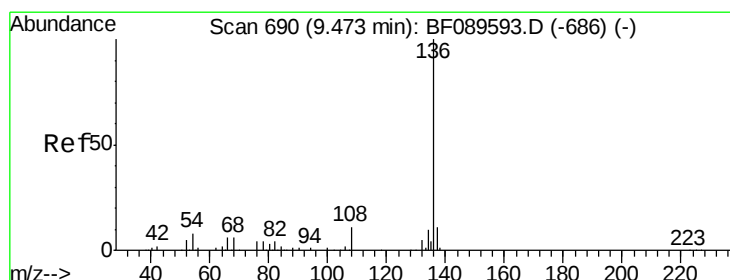
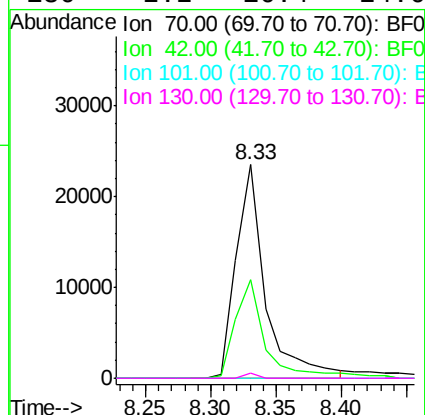
Ion Ratio Lower Upper

70 100

42 46.0 40.2 60.2

101 0.0 7.8 11.6#

130 2.2 16.4 24.6#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.02 min

Lab File: BF089666.D

Acq: 8 Aug 2016 17:42

Tgt Ion: 136 Resp: 182604

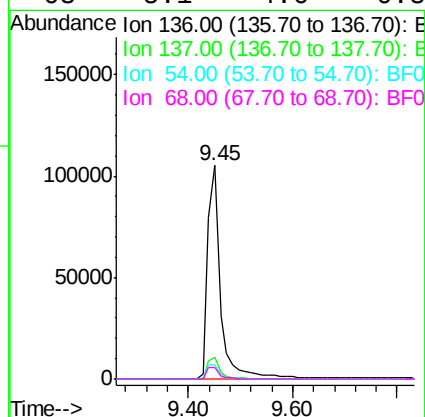
Ion Ratio Lower Upper

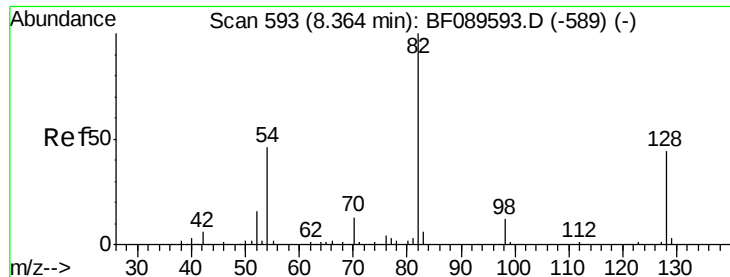
136 100

137 10.1 8.6 12.8

54 6.6 6.0 9.0

68 5.1 4.6 6.8

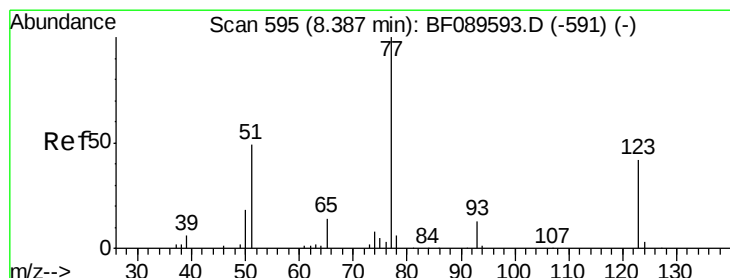
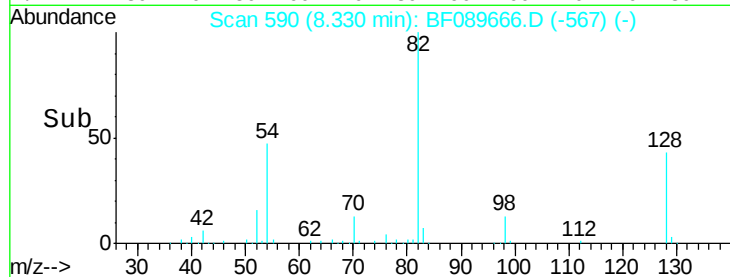
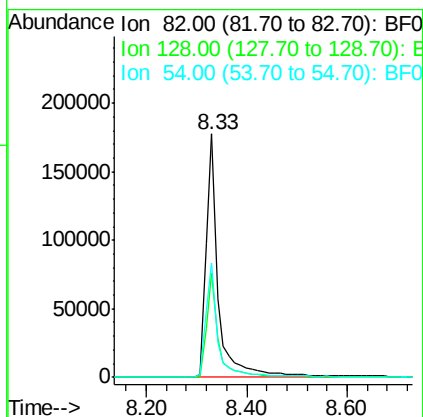
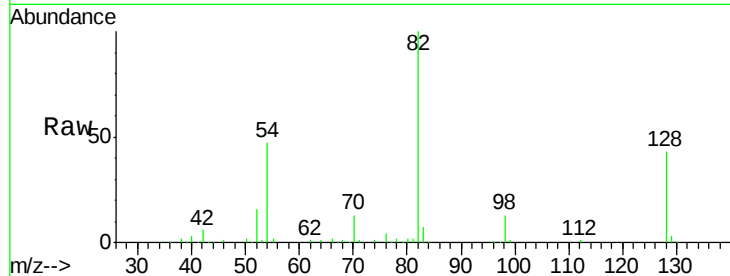




#23
Nitrobenzene-d5
Concen: 91.13 ng
RT: 8.33 min Scan# 590
Delta R.T. -0.03 min
Lab File: BF089666.D
Acq: 8 Aug 2016 17:42

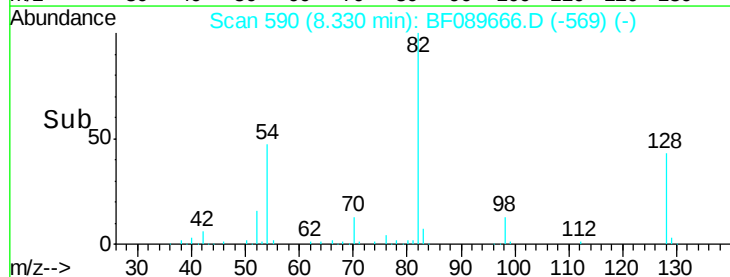
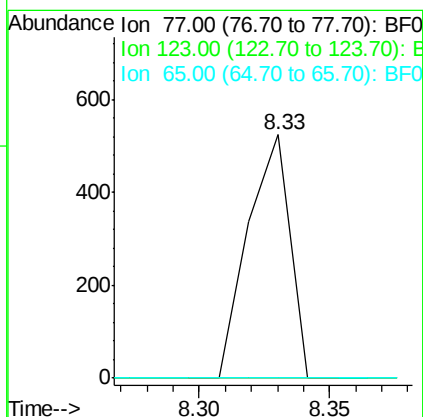
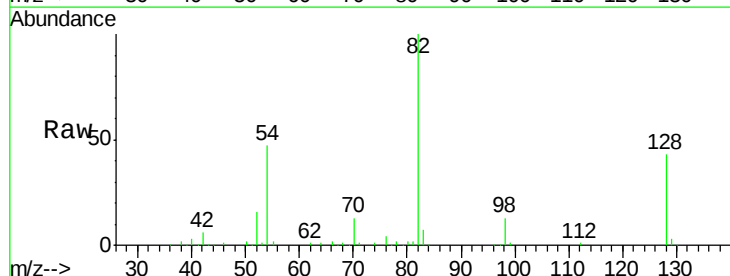
Instrument :
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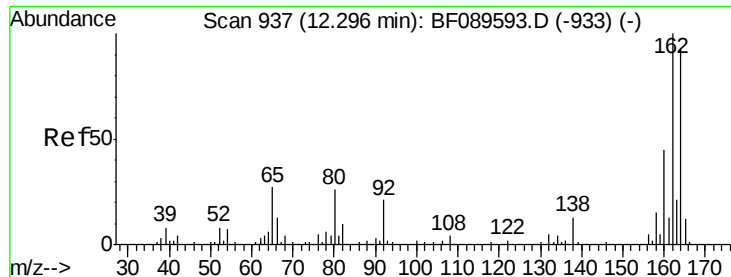
Tgt Ion: 82 Resp: 300852
Ion Ratio Lower Upper
82 100
128 42.7 35.4 53.0
54 46.9 36.4 54.6



#24
Nitrobenzene
Concen: 0.19 ng
RT: 8.33 min Scan# 590
Delta R.T. -0.06 min
Lab File: BF089666.D
Acq: 8 Aug 2016 17:42

Tgt Ion: 77 Resp: 592
Ion Ratio Lower Upper
77 100
123 0.0 32.6 49.0#
65 0.0 11.0 16.6#

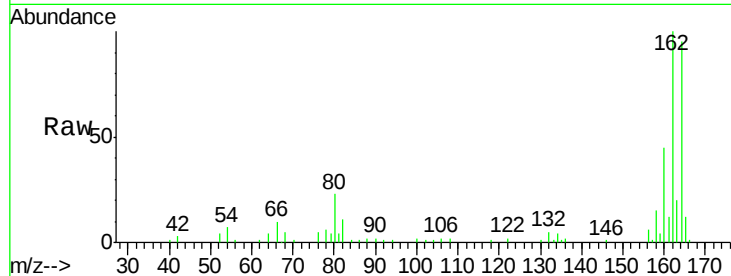




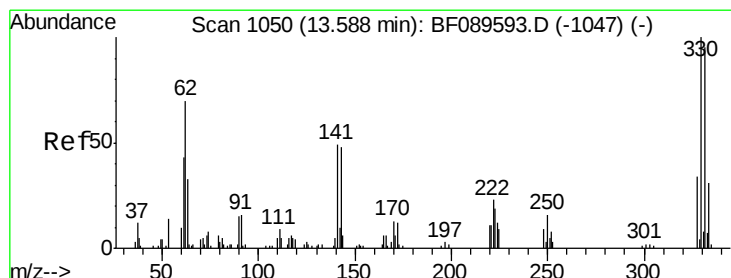
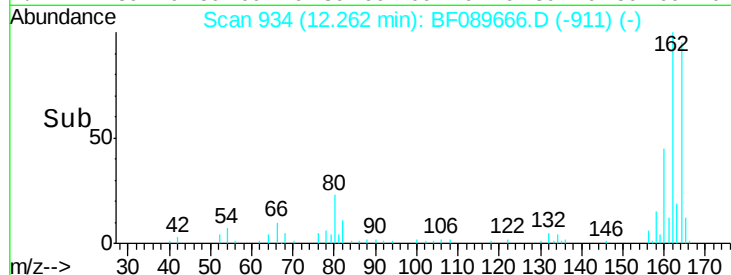
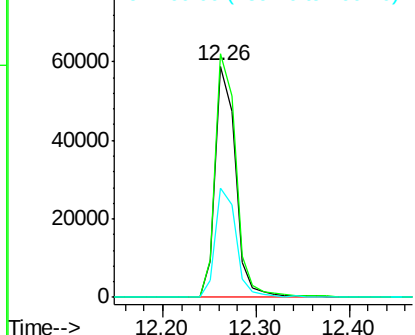
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.26 min Scan# 934
 Delta R.T. -0.03 min
 Lab File: BF089666.D
 Acq: 8 Aug 2016 17:42

Instrument :
 BNA_F
 ClientSampled :
 C2K1

Tgt Ion:164 Resp: 89685
 Ion Ratio Lower Upper
 164 100
 162 105.5 85.7 128.5
 160 47.4 38.2 57.4

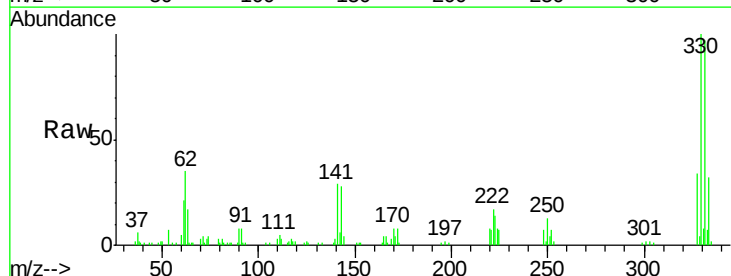


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

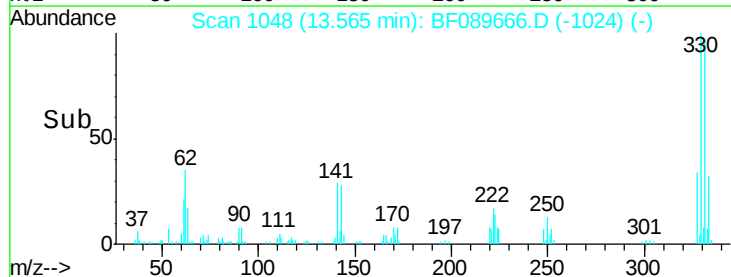
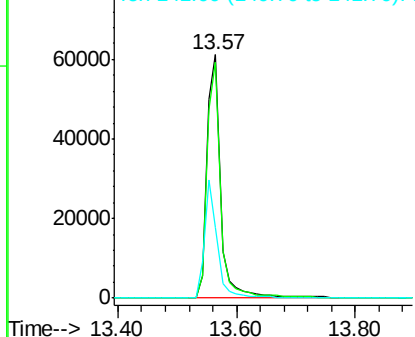


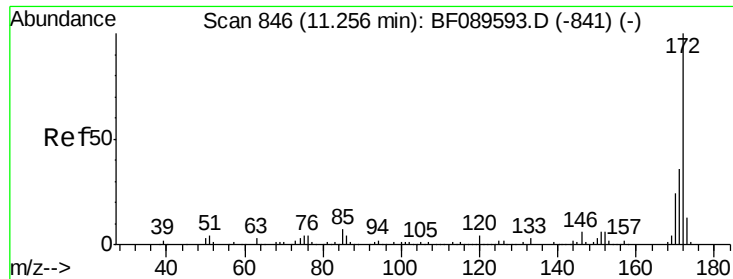
#41
 2,4,6-Tribromophenol
 Concen: 133.37 ng
 RT: 13.57 min Scan# 1048
 Delta R.T. -0.02 min
 Lab File: BF089666.D
 Acq: 8 Aug 2016 17:42

Tgt Ion:330 Resp: 98707
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.0 115.6
 141 45.5 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

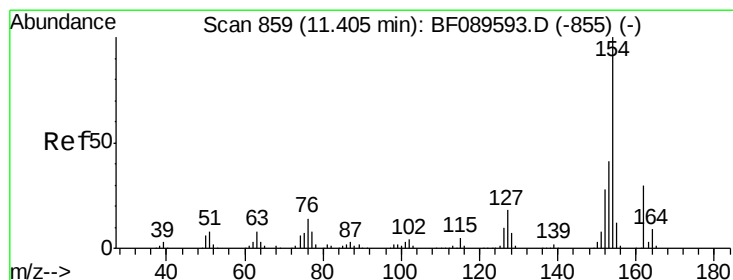
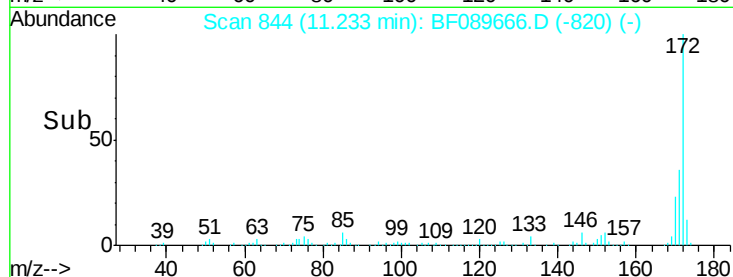
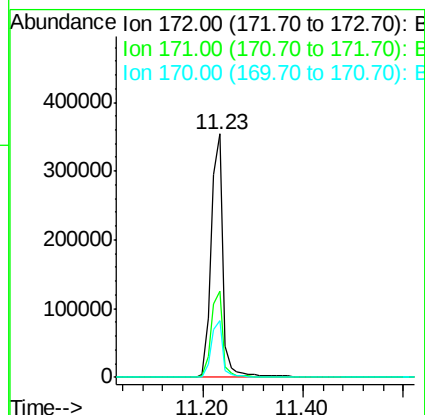
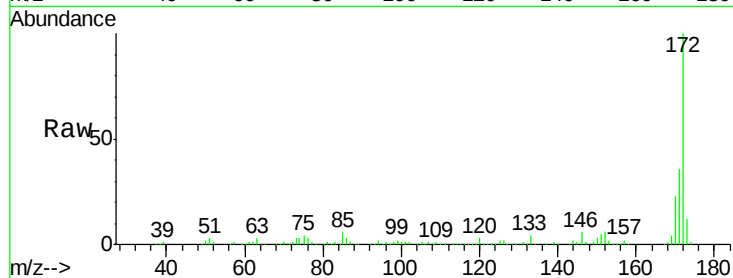




#44
 2-Fluorobiphenyl
 Concen: 84.07 ng
 RT: 11.23 min Scan# 844
 Delta R.T. -0.02 min
 Lab File: BF089666.D
 Acq: 8 Aug 2016 17:42

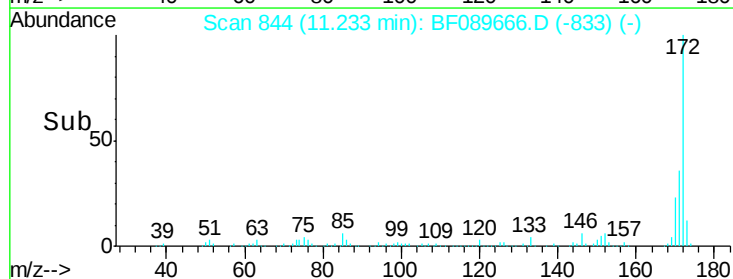
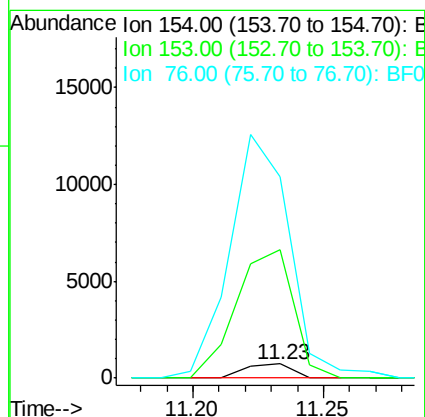
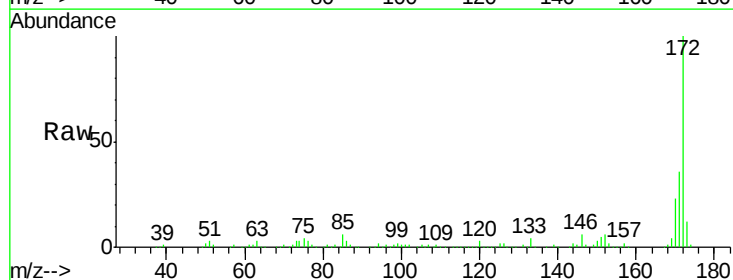
Instrument :
 BNA_F
 ClientSampleId :
 C2K1

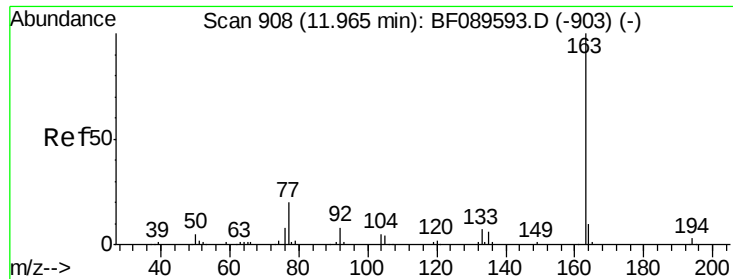
Tgt Ion:172 Resp: 580172
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.9 43.3
 170 23.3 19.0 28.6



#45
 1,1'-Biphenyl
 Concen: 0.11 ng
 RT: 11.23 min Scan# 844
 Delta R.T. -0.17 min
 Lab File: BF089666.D
 Acq: 8 Aug 2016 17:42

Tgt Ion:154 Resp: 926
 Ion Ratio Lower Upper
 154 100
 153 899.7 20.6 60.6#
 76 1415.4 0.0 33.7#

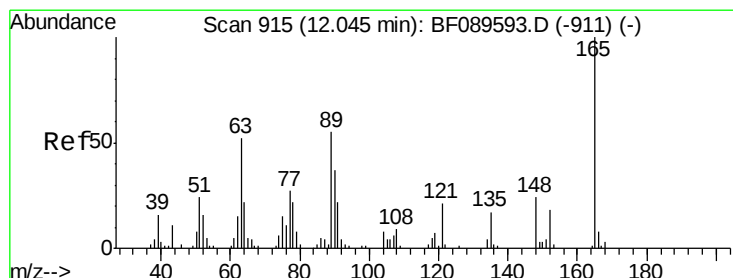
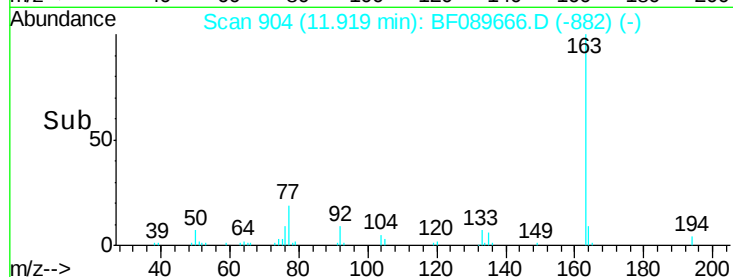
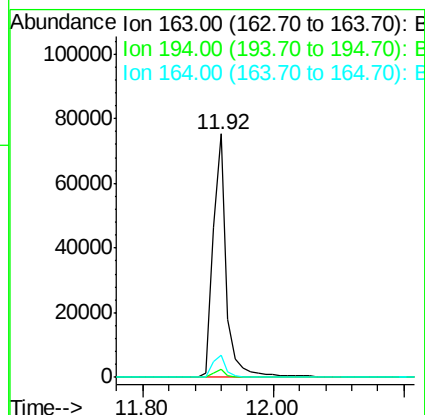
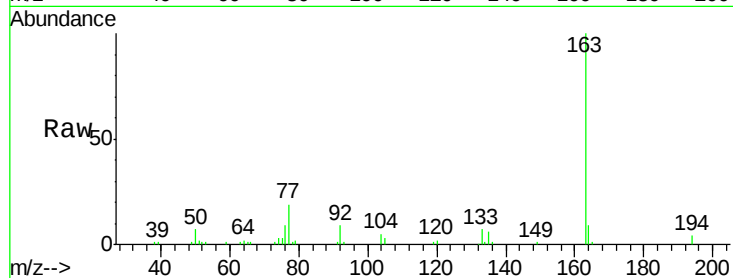




#49
Dimethylphthalate
Concen: 15.35 ng
RT: 11.92 min Scan# 904
Delta R.T. -0.05 min
Lab File: BF089666.D
Acq: 8 Aug 2016 17:42

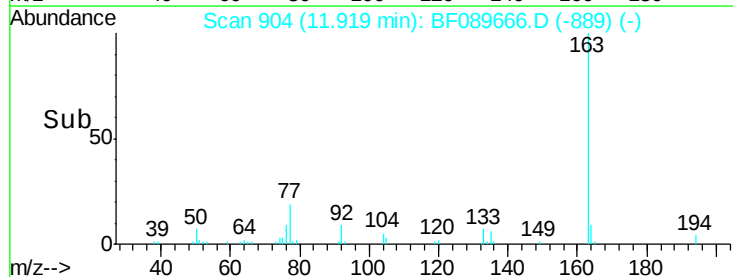
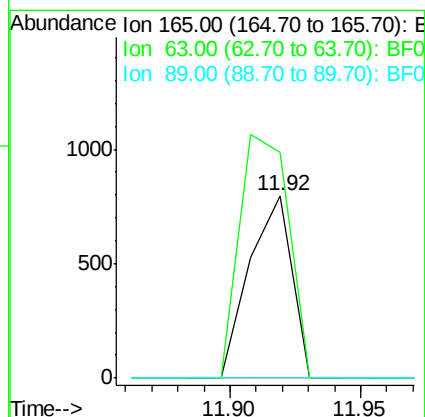
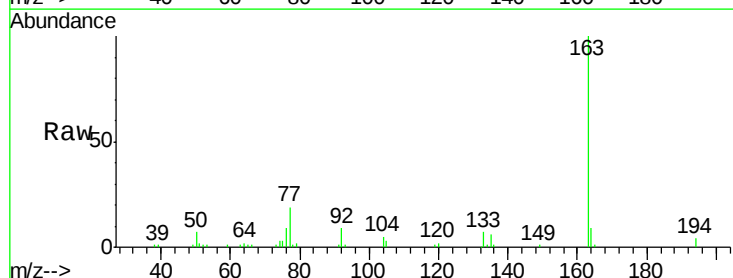
Instrument :
BNA_F
ClientSampled :
C2K1

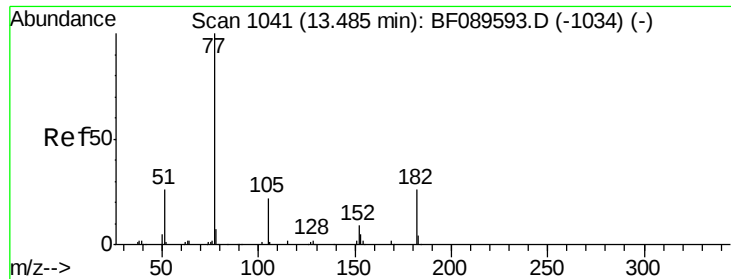
Tgt Ion:163 Resp: 107899
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 9.2 7.8 11.6



#50
2,6-Dinitrotoluene
Concen: 0.65 ng
RT: 11.92 min Scan# 904
Delta R.T. -0.13 min
Lab File: BF089666.D
Acq: 8 Aug 2016 17:42

Tgt Ion:165 Resp: 910
Ion Ratio Lower Upper
165 100
63 123.5 44.6 67.0#
89 0.0 44.2 66.2#





#62

Azobenzene

Concen: 0.05 ng

RT: 13.55 min Scan# 1047

Delta R.T. 0.07 min

Lab File: BF089666.D

Acq: 8 Aug 2016 17:42

Instrument :

BNA_F

ClientSampleId :

C2K1

Tgt Ion: 77 Resp: 335

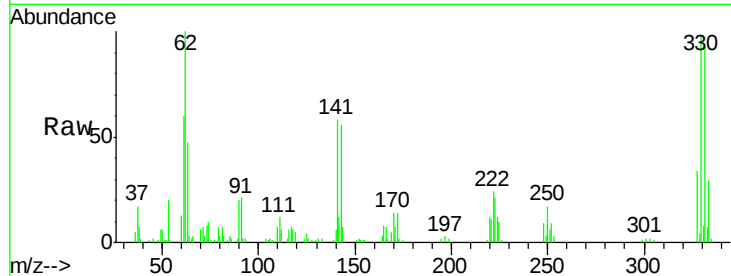
Ion Ratio Lower Upper

77 100

182 0.0 5.8 45.8#

105 89.8 2.9 42.9#

51 101.2 7.2 47.2#

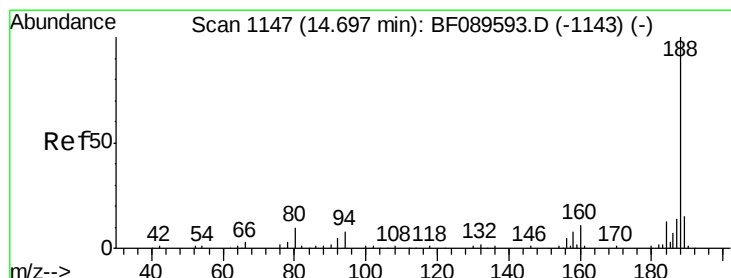
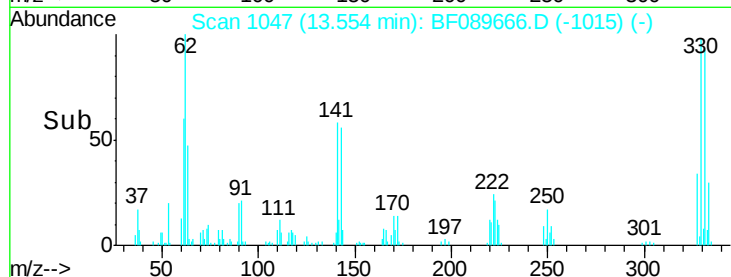
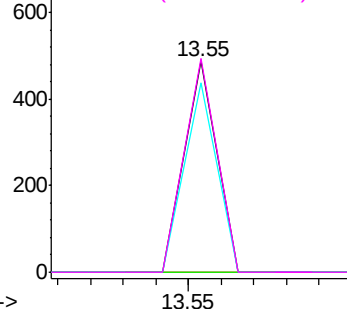


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.66 min Scan# 1144

Delta R.T. -0.03 min

Lab File: BF089666.D

Acq: 8 Aug 2016 17:42

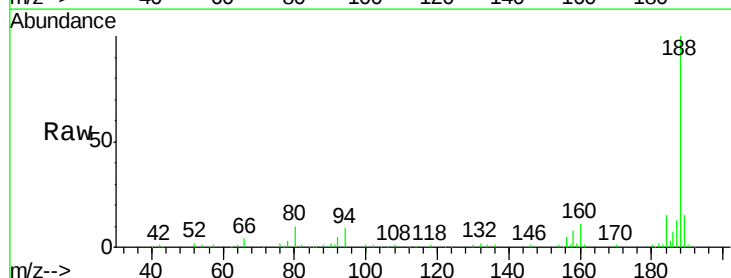
Tgt Ion: 188 Resp: 183493

Ion Ratio Lower Upper

188 100

94 8.9 6.5 9.7

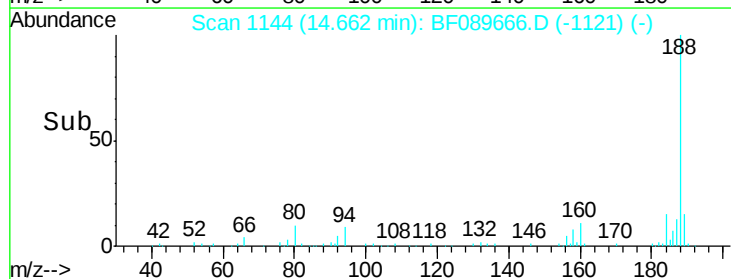
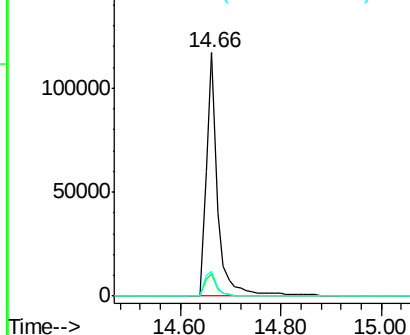
80 10.0 8.0 12.0

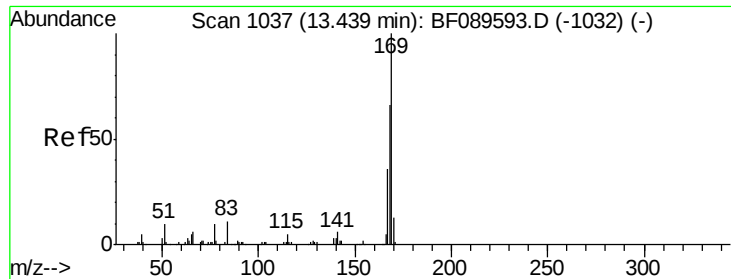


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

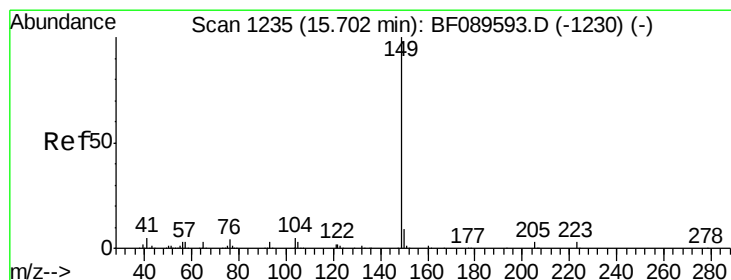
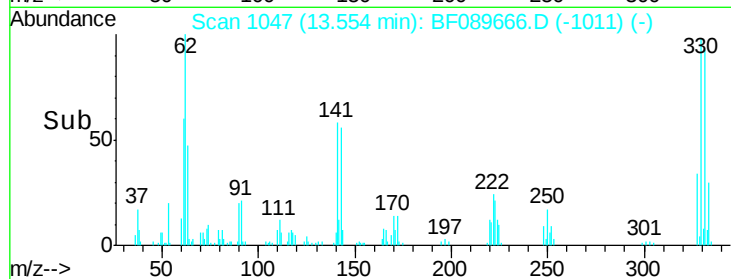
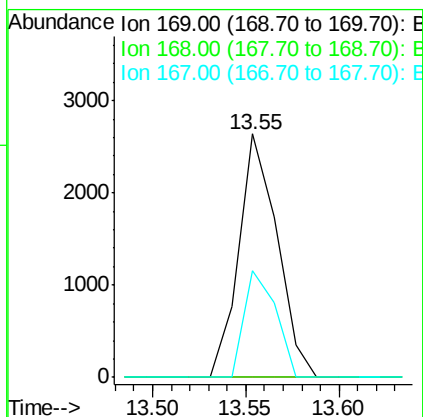
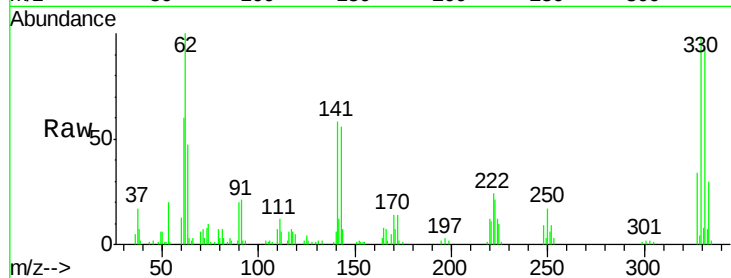




#65
 n-Nitrosodiphenylamine
 Concen: 0.61 ng
 RT: 13.55 min Scan# 1047
 Delta R.T. 0.11 min
 Lab File: BF089666.D
 Acq: 8 Aug 2016 17:42

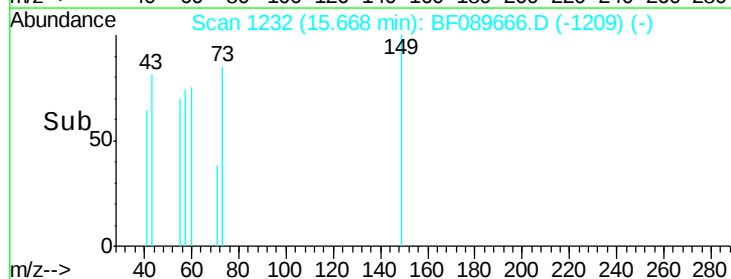
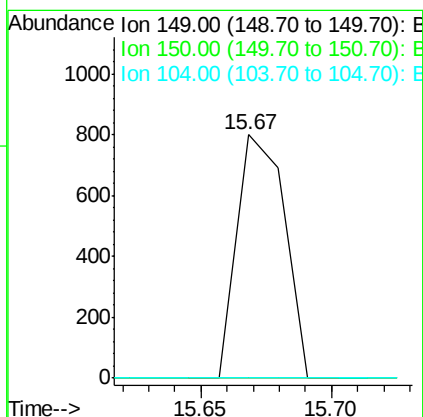
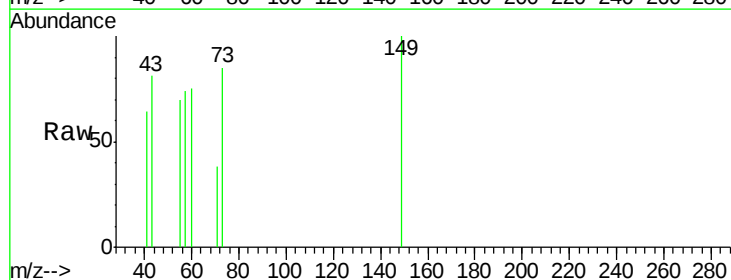
Instrument :
 BNA_F
 ClientSampleId :
 C2K1

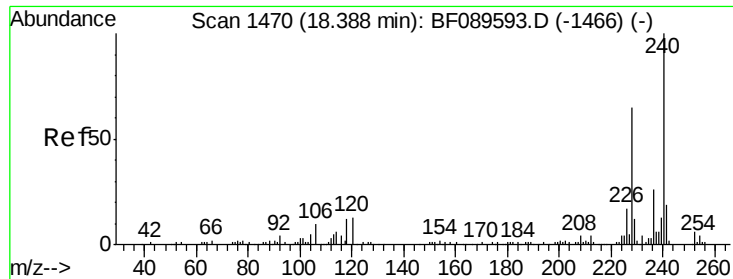
Tgt Ion:169 Resp: 3764
 Ion Ratio Lower Upper
 169 100
 168 0.0 54.2 81.2#
 167 43.8 28.9 43.3#



#73
 Di-n-butylphthalate
 Concen: 0.08 ng
 RT: 15.67 min Scan# 1232
 Delta R.T. -0.03 min
 Lab File: BF089666.D
 Acq: 8 Aug 2016 17:42

Tgt Ion:149 Resp: 1023
 Ion Ratio Lower Upper
 149 100
 150 0.0 7.2 10.8#
 104 0.0 3.8 5.8#

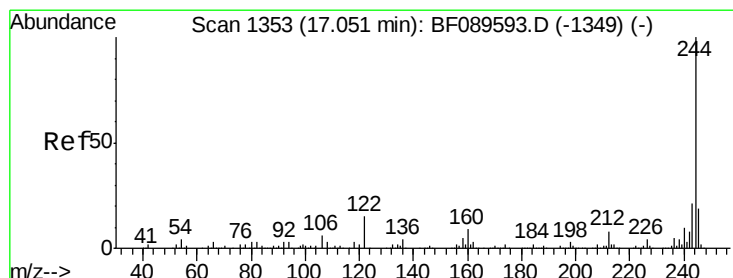
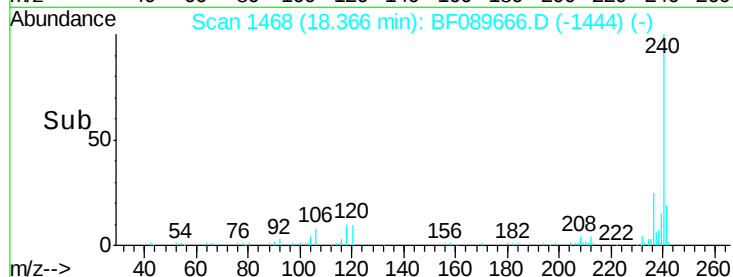
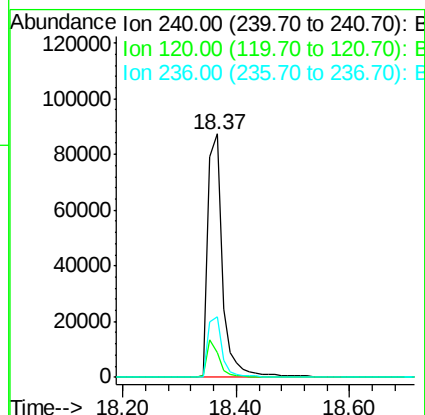
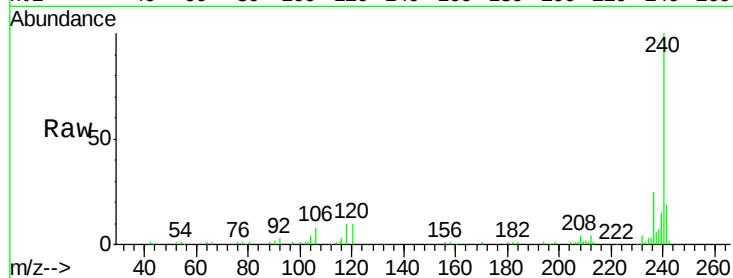




#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.37 min Scan# 1468
Delta R.T. -0.02 min
Lab File: BF089666.D
Acq: 8 Aug 2016 17:42

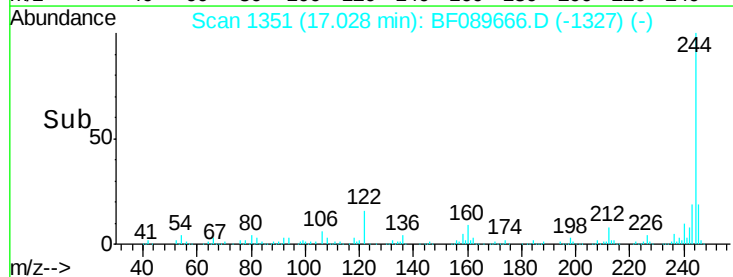
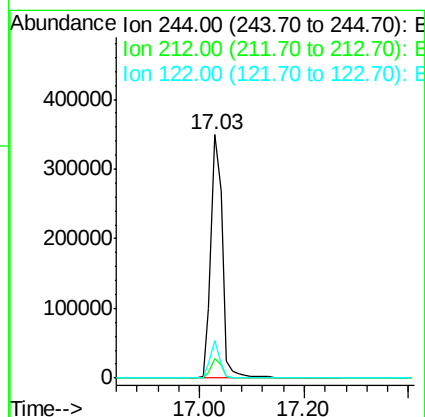
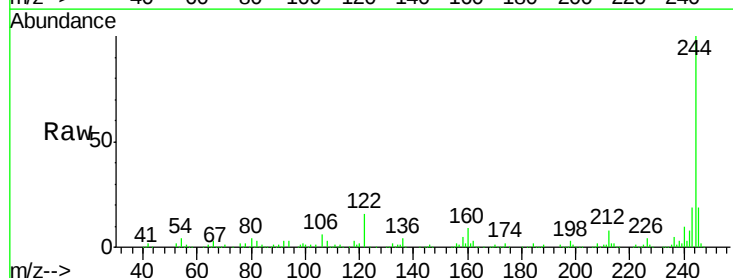
Instrument :
BNA_F
ClientSampleId :
C2K1

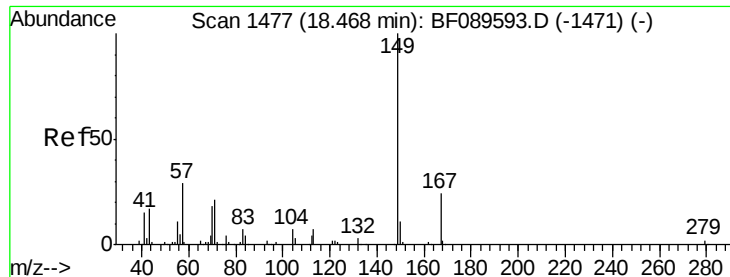
Tgt Ion:240 Resp: 150385
Ion Ratio Lower Upper
240 100
120 10.0 10.6 15.8#
236 24.9 20.6 30.8



#78
Terphenyl-d14
Concen: 70.29 ng
RT: 17.03 min Scan# 1351
Delta R.T. -0.02 min
Lab File: BF089666.D
Acq: 8 Aug 2016 17:42

Tgt Ion:244 Resp: 535456
Ion Ratio Lower Upper
244 100
212 7.9 6.4 9.6
122 15.5 12.2 18.2





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.09 ng

RT: 18.45 min Scan# 1475

Delta R.T. -0.02 min

Lab File: BF089666.D

Acq: 8 Aug 2016 17:42

Instrument :

BNA_F

ClientSampleId :

C2K1

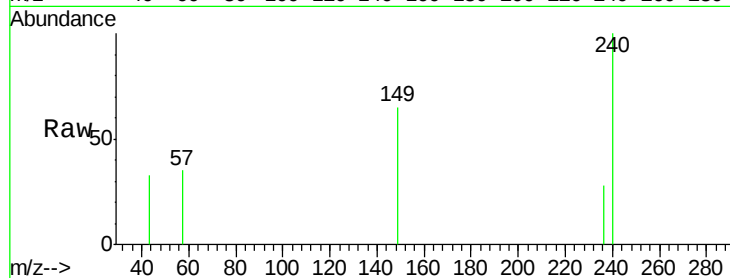
Tgt Ion:149 Resp: 742

Ion Ratio Lower Upper

149 100

167 0.0 19.0 28.4#

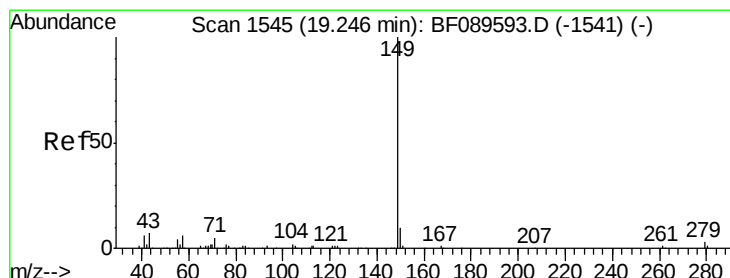
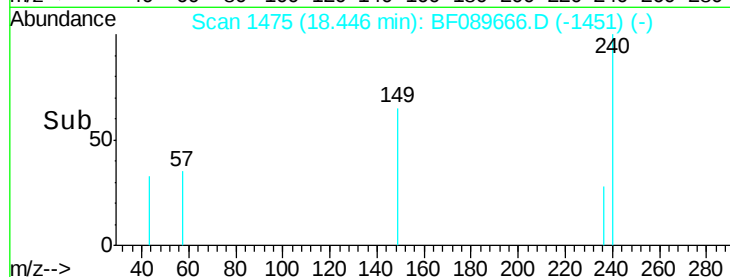
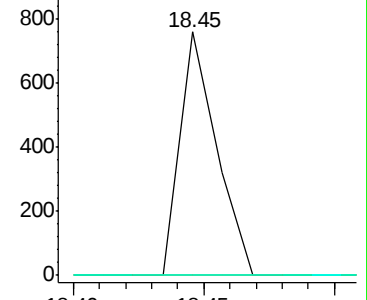
279 0.0 1.8 2.6#



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



#84

Di-n-octyl phthalate

Concen: 0.05 ng

RT: 19.26 min Scan# 1546

Delta R.T. 0.01 min

Lab File: BF089666.D

Acq: 8 Aug 2016 17:42

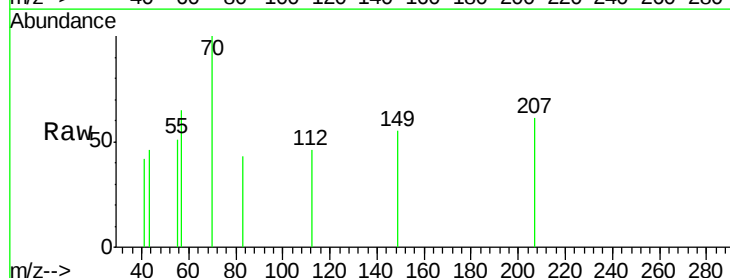
Tgt Ion:149 Resp: 556

Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

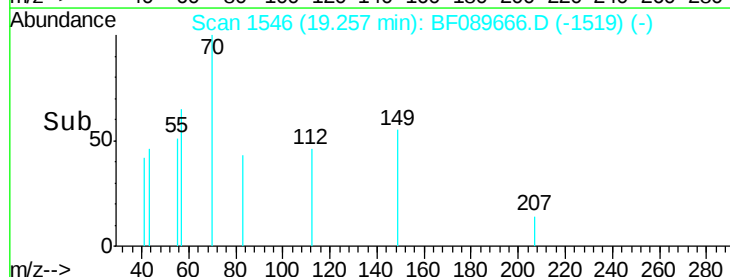
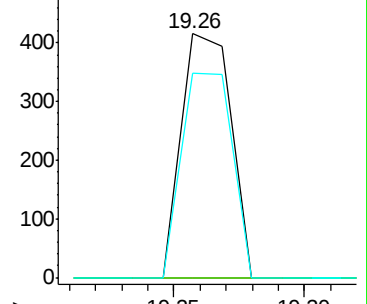
43 85.8 7.0 10.4#

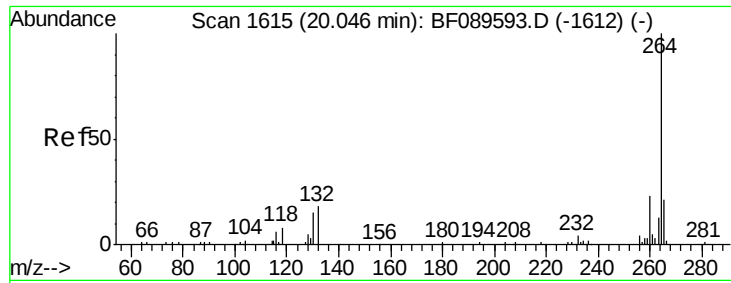


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

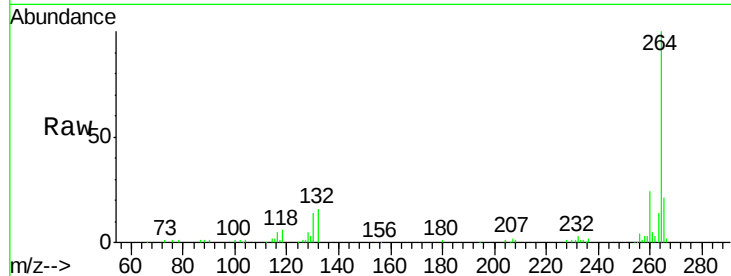




#86
Perylene-d12
Concen: 20.00 ng
RT: 20.02 min Scan# 1613
Delta R.T. -0.02 min
Lab File: BF089666.D
Acq: 8 Aug 2016 17:42

Instrument :
BNA_F
ClientSampleId :
C2K1

Tgt Ion: 264 Resp: 103453
Ion Ratio Lower Upper
264 100
260 23.7 18.7 28.1
265 21.3 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

