

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF043016\
 Data File : BF086559.D
 Acq On : 1 May 2016 9:01
 Operator : UM/SJ
 Sample : H2762-10
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B1COMP

Quant Time: May 02 00:49:22 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	129209	20.00	ng	-0.05
21) Naphthalene-d8	8.05	136	533796	20.00	ng	-0.05
38) Acenaphthene-d10	9.80	164	275825	20.00	ng	-0.05
63) Phenanthrene-d10	11.28	188	524643	20.00	ng	-0.05
75) Chrysene-d12	13.91	240	374720	20.00	ng	-0.06
86) Perylene-d12	15.30	264	330835	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	1013788	135.34	ng	-0.02
7) Phenol-d6	6.41	99	1255419	120.08	ng	-0.03
23) Nitrobenzene-d5	7.33	82	922273	93.13	ng	-0.05
41) 2,4,6-Tribromophenol	10.59	330	375432	129.07	ng	-0.05
44) 2-Fluorobiphenyl	9.13	172	1427807	92.24	ng	-0.05
78) Terphenyl-d14	12.87	244	1473552	86.64	ng	-0.05

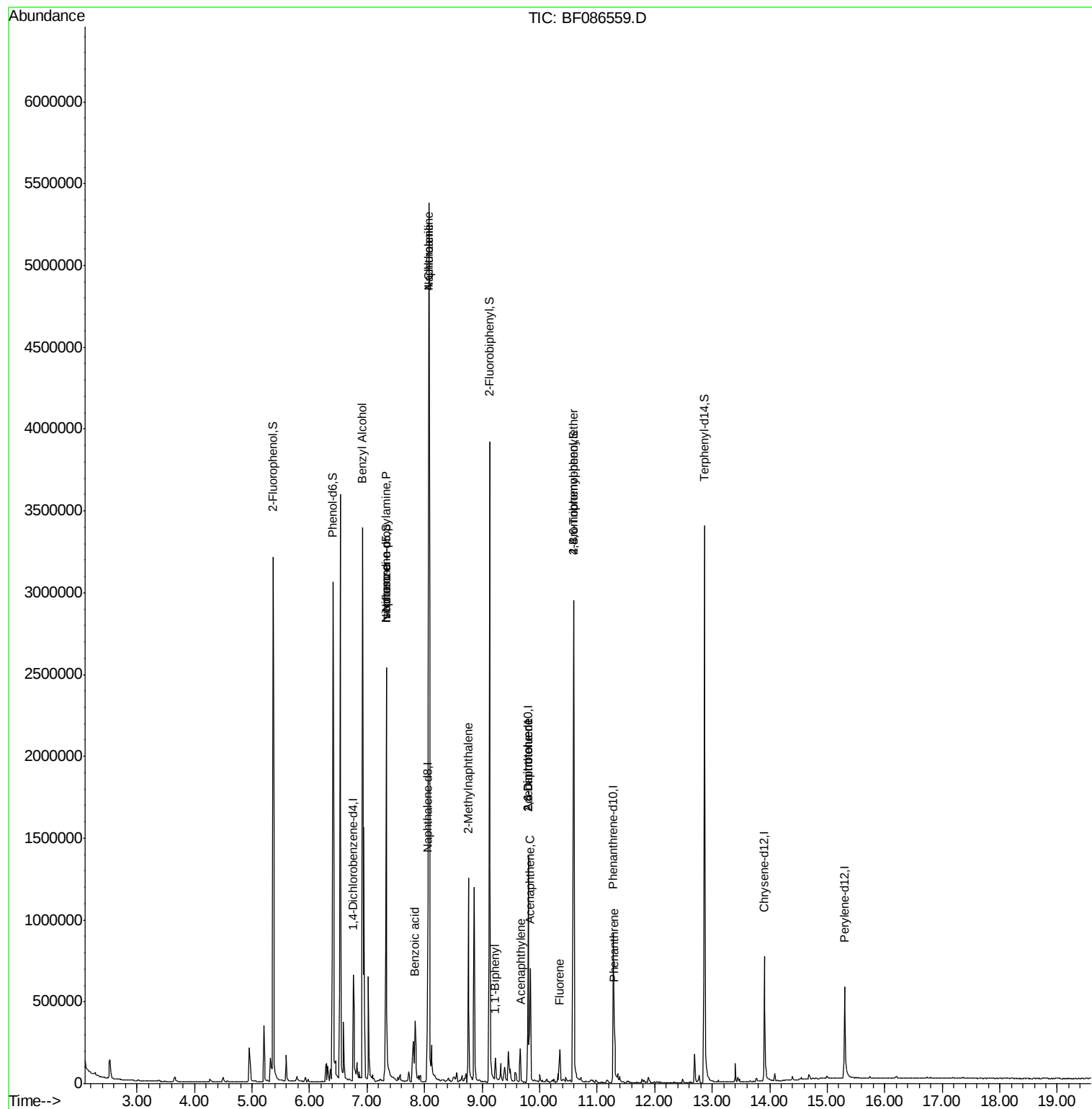
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.92	79	17296	2.62	ng	# 39
19) n-Nitroso-di-n-propylamine	7.33	70	124866	18.07	ng	# 75
25) Isophorone	7.33	82	705315	37.01	ng	# 68
31) Naphthalene	8.08	128	3370895	124.10	ng	97
32) Benzoic acid	7.84	122	1192	8.98	ng	# 1
33) 4-Chloroaniline	8.08	127	471318	46.34	ng	# 33
37) 2-Methylnaphthalene	8.76	142	385384	24.04	ng	97
45) 1,1'-Biphenyl	9.23	154	56401	2.45	ng	96
48) Acenaphthylene	9.66	152	81046	2.96	ng	# 96
50) 2,6-Dinitrotoluene	9.80	165	36483	8.50	ng	# 21
51) Acenaphthene	9.84	154	173868	9.88	ng	98
56) 2,4-Dinitrotoluene	9.80	165	37905	6.93	ng	# 16
57) Fluorene	10.35	166	91376	4.78	ng	96
66) 4-Bromophenyl-phenylether	10.59	248	22176	4.10	ng	# 1
70) Phenanthrene	11.30	178	135448	4.92	ng	98

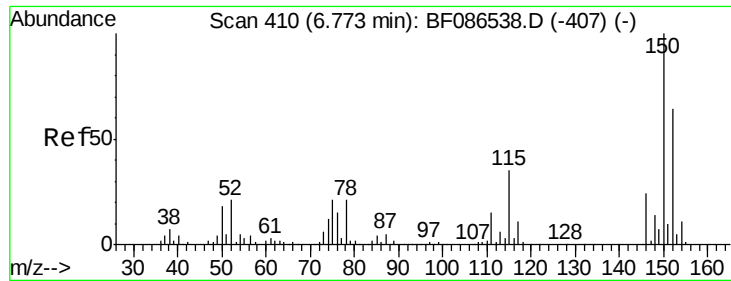
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.05 min

Lab File: BF086559.D

Acq: 1 May 2016 9:01

Instrument :

BNA_F

ClientSampleId :

TEC-B1COMP

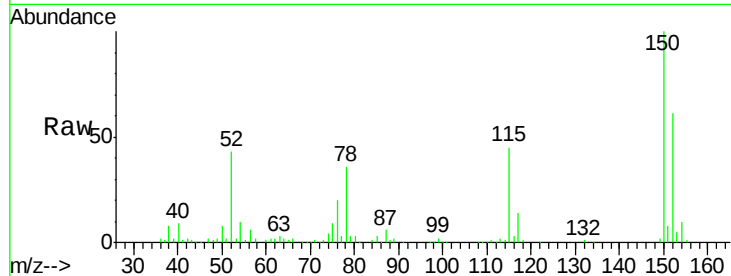
Tgt Ion:152 Resp: 129209

Ion Ratio Lower Upper

152 100

150 162.7 125.8 188.6

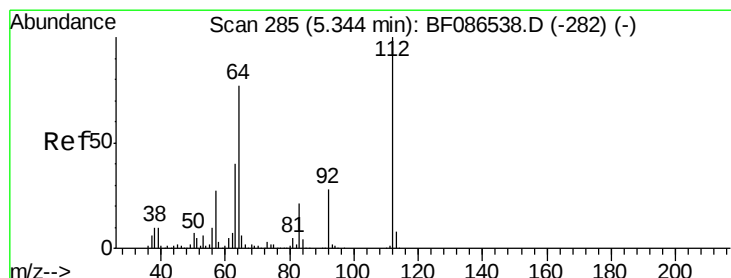
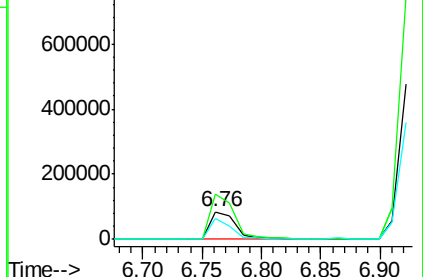
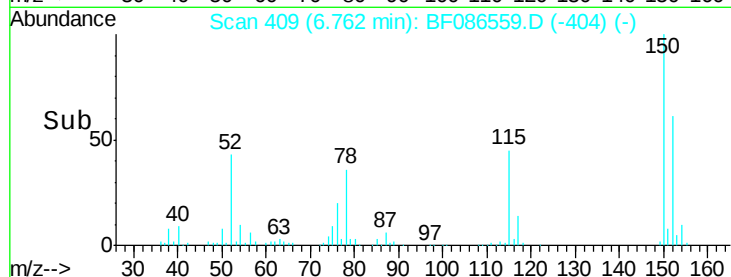
115 73.6 51.5 77.3



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: 135.34 ng

RT: 5.37 min Scan# 287

Delta R.T. -0.02 min

Lab File: BF086559.D

Acq: 1 May 2016 9:01

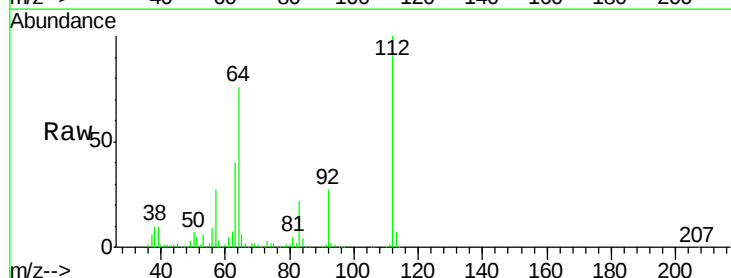
Tgt Ion:112 Resp: 1013788

Ion Ratio Lower Upper

112 100

64 75.8 52.1 78.1

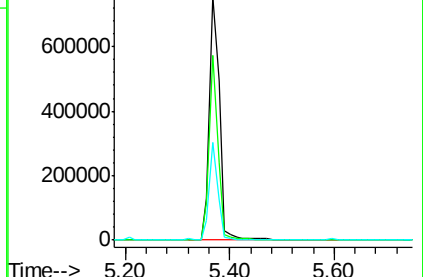
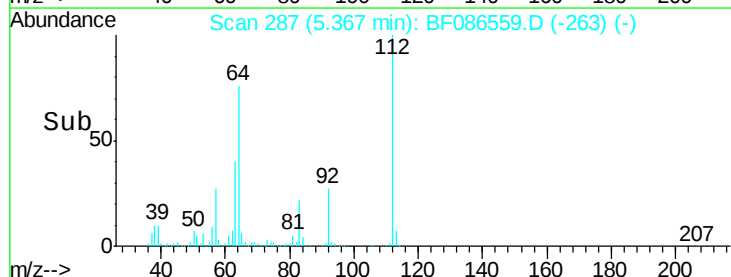
63 40.4 25.7 38.5#

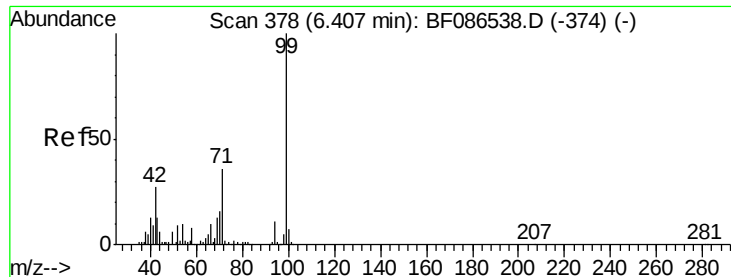


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 120.08 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.03 min

Lab File: BF086559.D

Acq: 1 May 2016 9:01

Instrument :

BNA_F

ClientSampleId :

TEC-B1COMP

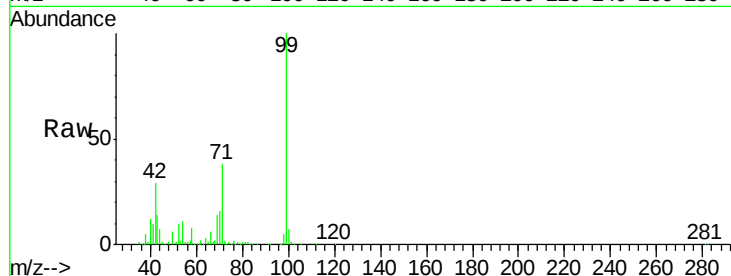
Tgt Ion: 99 Resp: 1255419

Ion Ratio Lower Upper

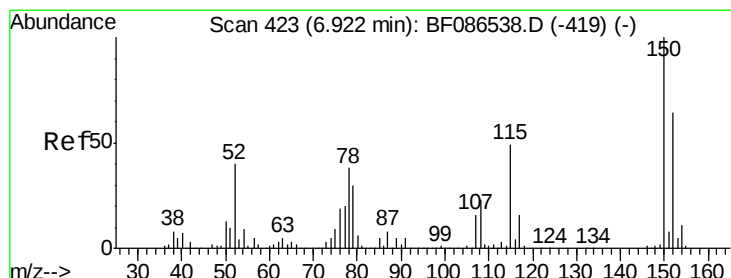
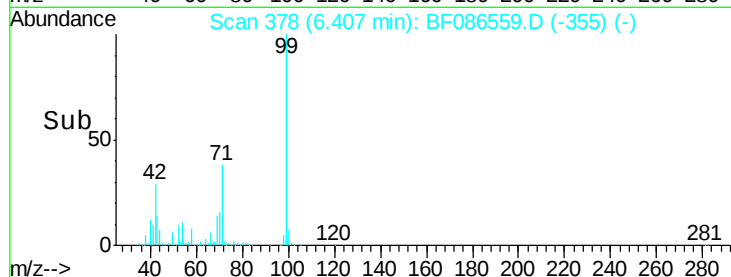
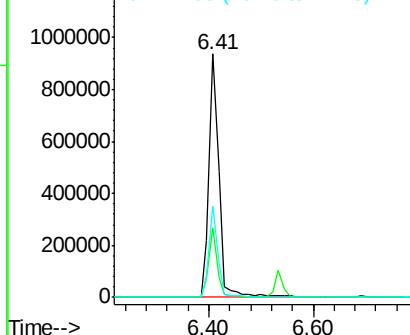
99 100

42 28.8 13.6 20.4#

71 37.5 24.6 36.8#



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



#15

Benzyl Alcohol

Concen: 2.62 ng

RT: 6.92 min Scan# 423

Delta R.T. -0.03 min

Lab File: BF086559.D

Acq: 1 May 2016 9:01

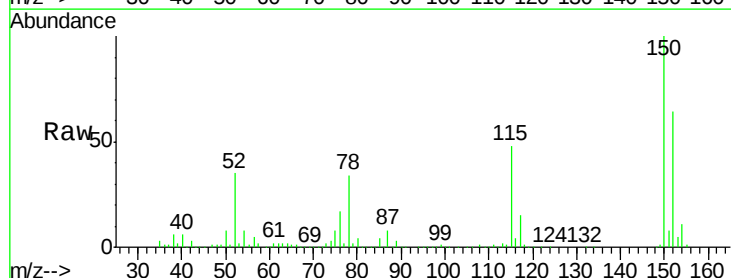
Tgt Ion: 79 Resp: 17296

Ion Ratio Lower Upper

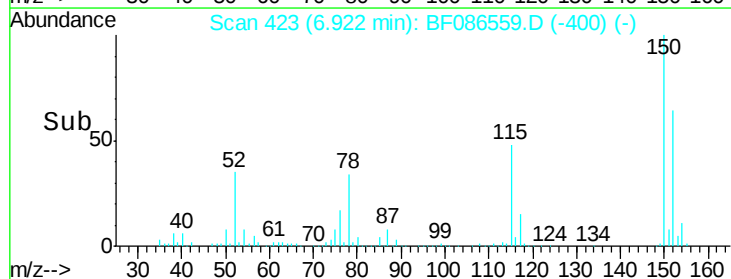
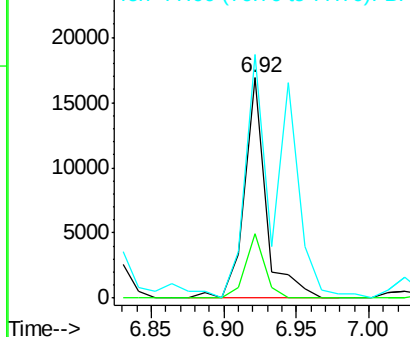
79 100

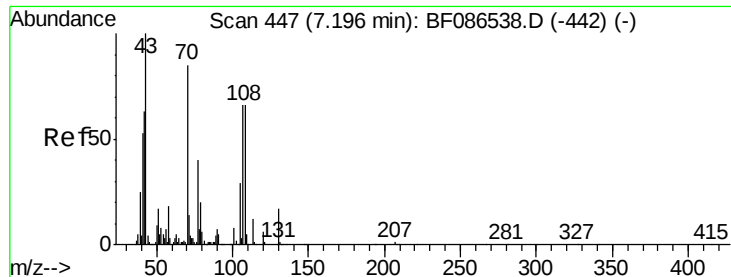
108 29.2 68.4 102.6#

77 110.5 50.6 76.0#



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

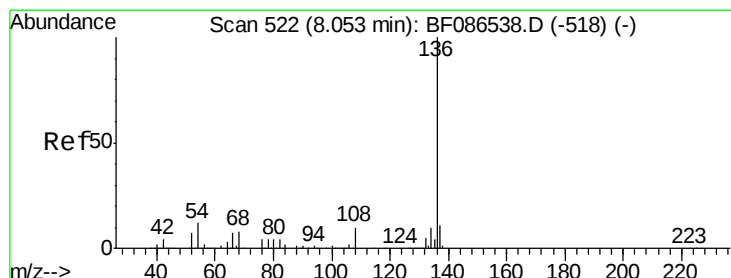
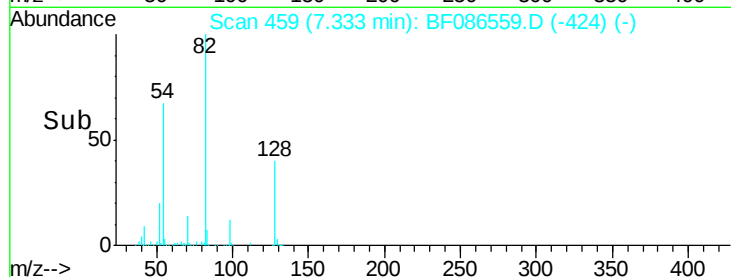
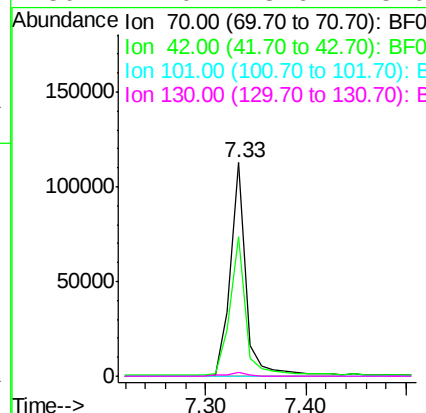
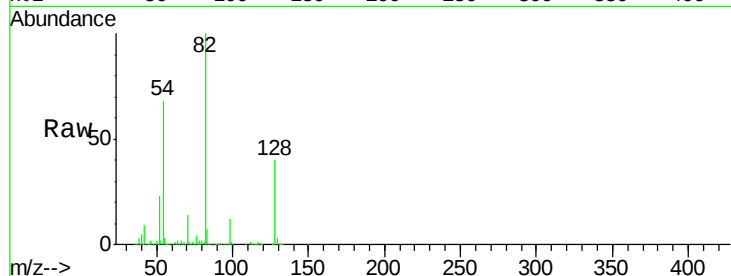




#19
 n-Nitroso-di-n-propylamine
 Concen: 18.07 ng
 RT: 7.33 min Scan# 459
 Delta R.T. 0.10 min
 Lab File: BF086559.D
 Acq: 1 May 2016 9:01

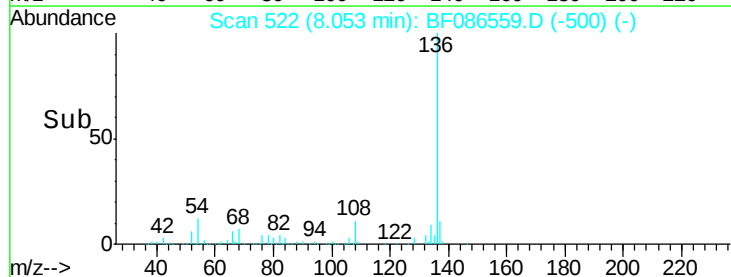
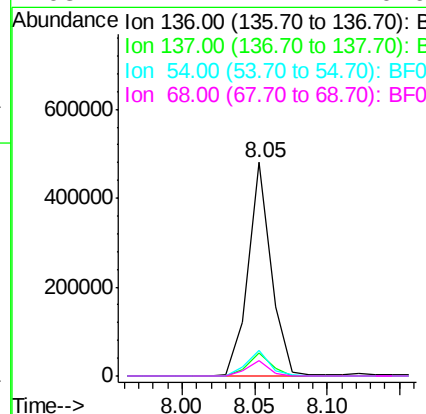
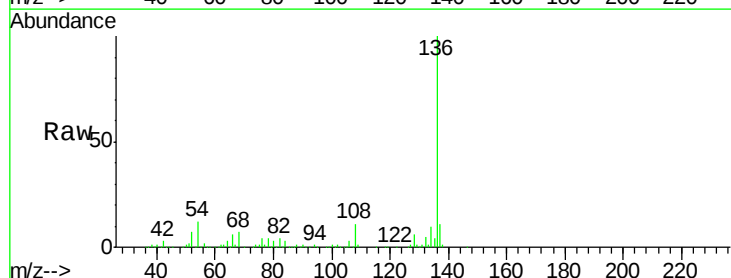
Instrument :
 BNA_F
 ClientSampleId :
 TEC-B1COMP

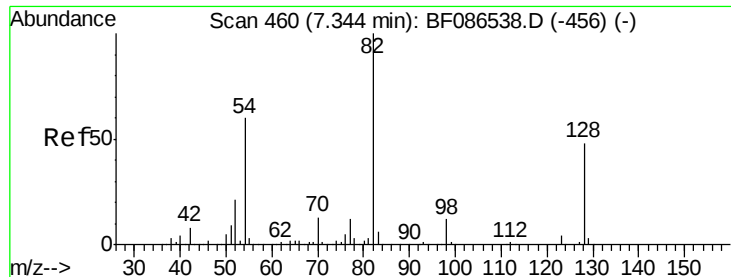
Tgt Ion: 70 Resp: 124866
 Ion Ratio Lower Upper
 70 100
 42 65.3 43.1 64.7#
 101 0.0 8.1 12.1#
 130 2.0 18.6 28.0#



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 8.05 min Scan# 522
 Delta R.T. -0.05 min
 Lab File: BF086559.D
 Acq: 1 May 2016 9:01

Tgt Ion: 136 Resp: 533796
 Ion Ratio Lower Upper
 136 100
 137 10.9 8.8 13.2
 54 12.1 5.0 7.4#
 68 7.1 4.4 6.6#

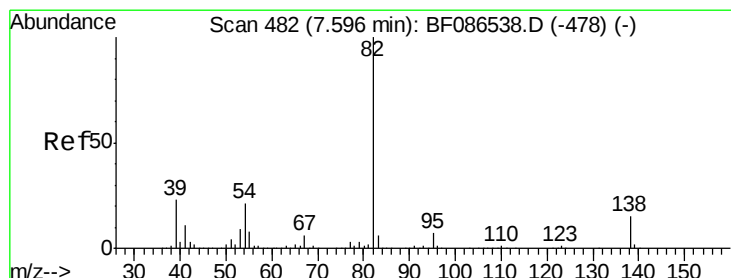
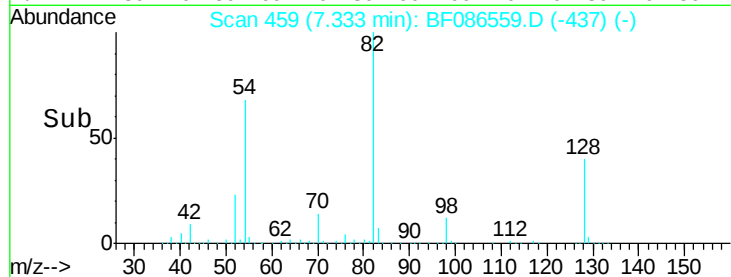
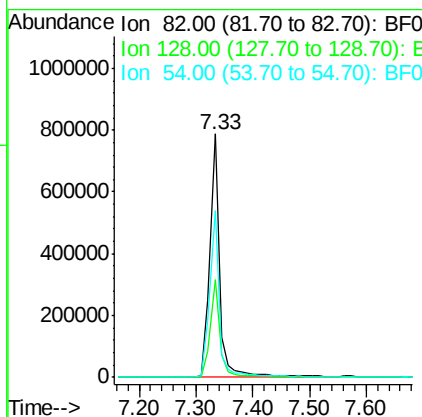
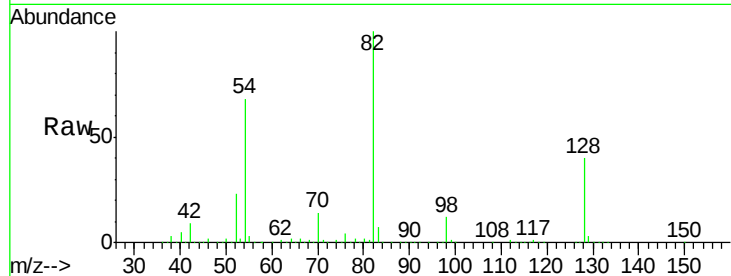




#23
 Nitrobenzene-d5
 Concen: 93.13 ng
 RT: 7.33 min Scan# 459
 Delta R.T. -0.05 min
 Lab File: BF086559.D
 Acq: 1 May 2016 9:01

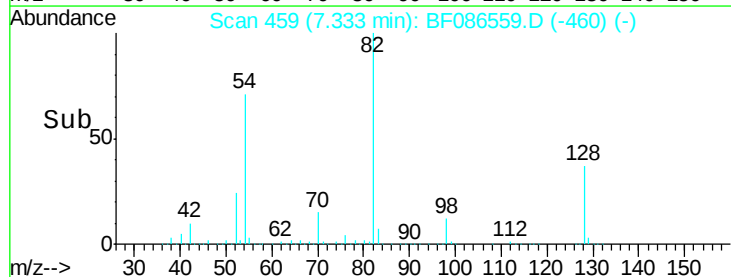
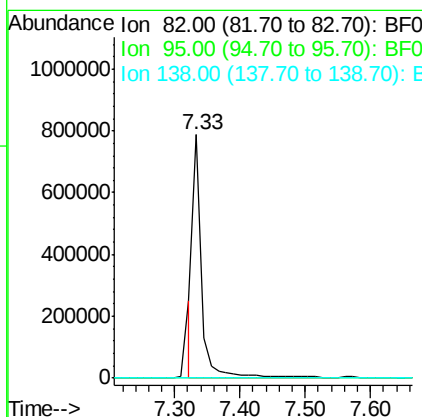
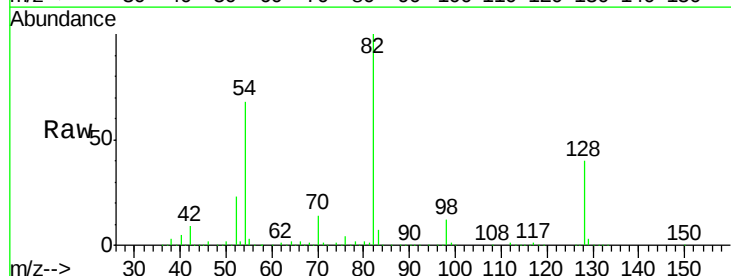
Instrument :
 BNA_F
 ClientSampleId :
 TEC-B1COMP

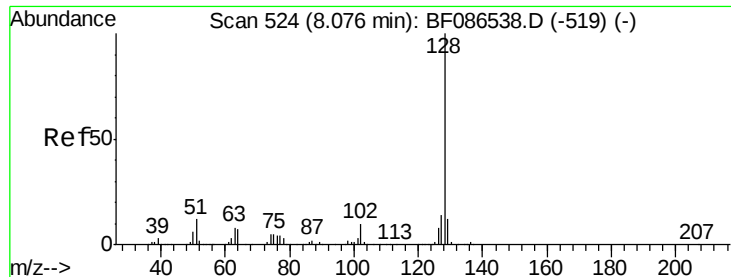
Tgt Ion: 82 Resp: 922273
 Ion Ratio Lower Upper
 82 100
 128 39.9 40.6 61.0#
 54 68.3 38.1 57.1#



#25
 Isophorone
 Concen: 37.01 ng
 RT: 7.33 min Scan# 459
 Delta R.T. -0.31 min
 Lab File: BF086559.D
 Acq: 1 May 2016 9:01

Tgt Ion: 82 Resp: 705315
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.1 7.7#
 138 0.0 12.4 18.6#

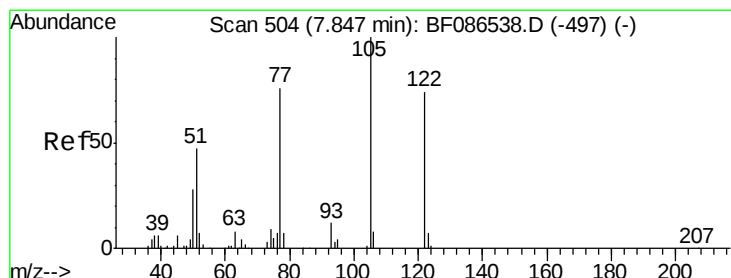
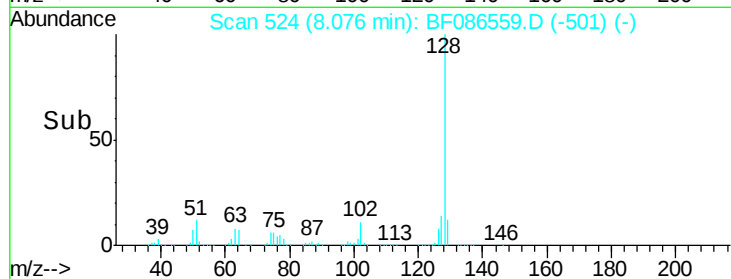
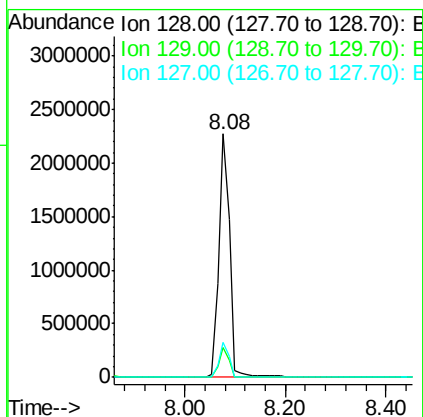
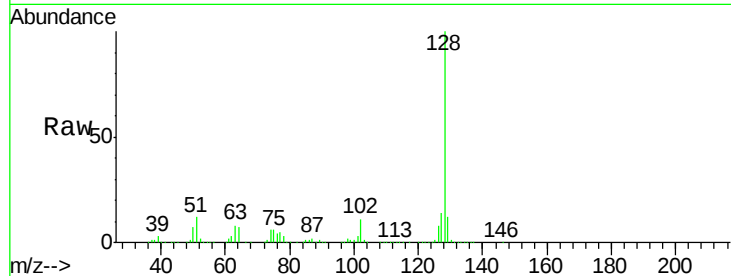




#31
Naphthalene
Concen: 124.10 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.03 min
Lab File: BF086559.D
Acq: 1 May 2016 9:01

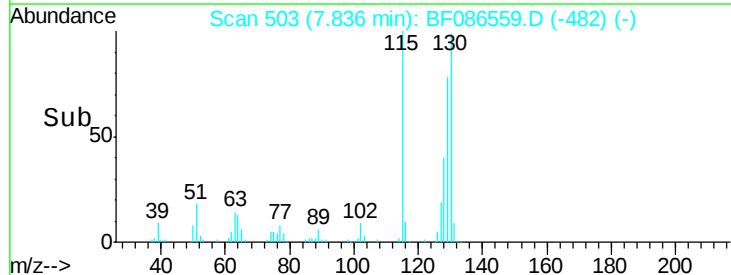
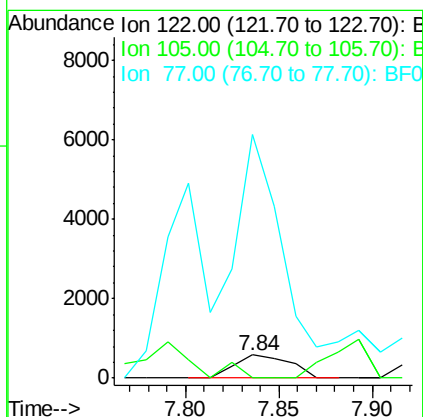
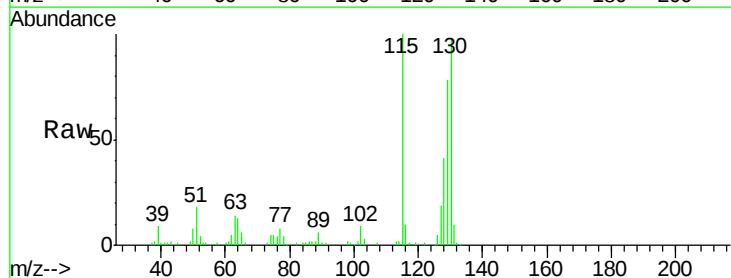
Instrument :
BNA_F
ClientSampleId :
TEC-B1COMP

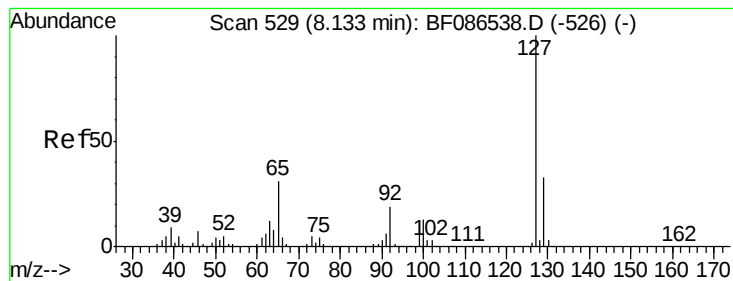
Tgt Ion:128 Resp: 3370895
Ion Ratio Lower Upper
128 100
129 12.3 8.6 13.0
127 14.5 10.8 16.2



#32
Benzoic acid
Concen: 8.98 ng
RT: 7.84 min Scan# 503
Delta R.T. -0.06 min
Lab File: BF086559.D
Acq: 1 May 2016 9:01

Tgt Ion:122 Resp: 1192
Ion Ratio Lower Upper
122 100
105 0.0 92.6 132.6#
77 1046.6 60.0 100.0#





#33

4-Chloroaniline

Concen: 46.34 ng

RT: 8.08 min Scan# 524

Delta R.T. -0.09 min

Lab File: BF086559.D

Acq: 1 May 2016 9:01

Instrument :

BNA_F

ClientSampleId :

TEC-B1COMP

Tgt Ion:127 Resp: 471318

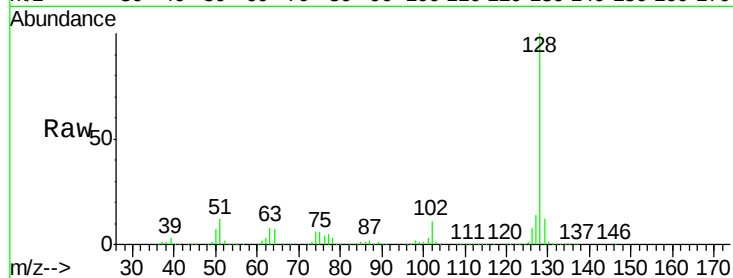
Ion Ratio Lower Upper

127 100

129 84.7 26.2 39.4#

65 0.0 23.0 34.4#

92 0.0 15.1 22.7#

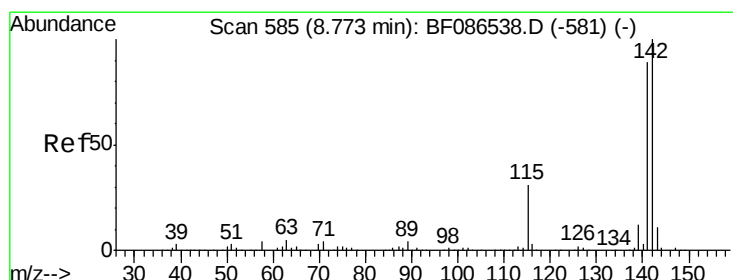
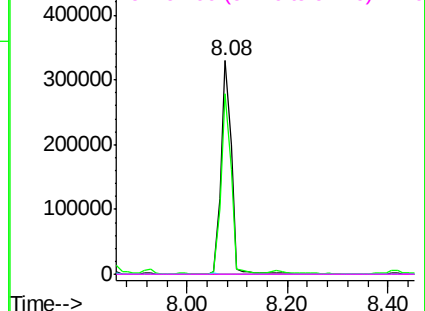
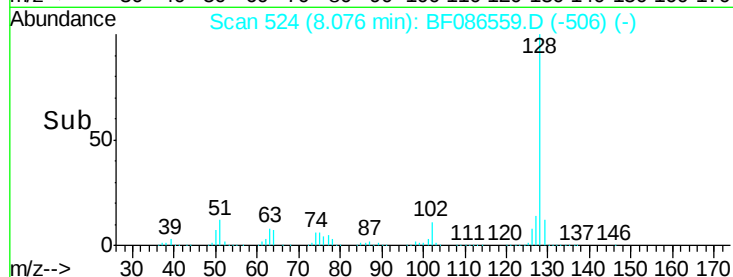


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#37

2-Methylnaphthalene

Concen: 24.04 ng

RT: 8.76 min Scan# 584

Delta R.T. -0.05 min

Lab File: BF086559.D

Acq: 1 May 2016 9:01

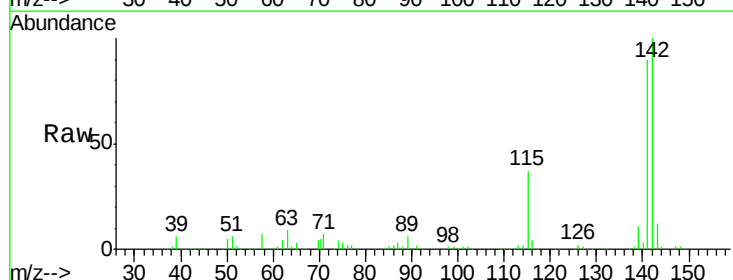
Tgt Ion:142 Resp: 385384

Ion Ratio Lower Upper

142 100

141 89.9 71.0 106.6

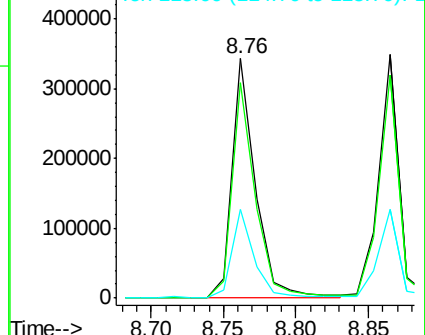
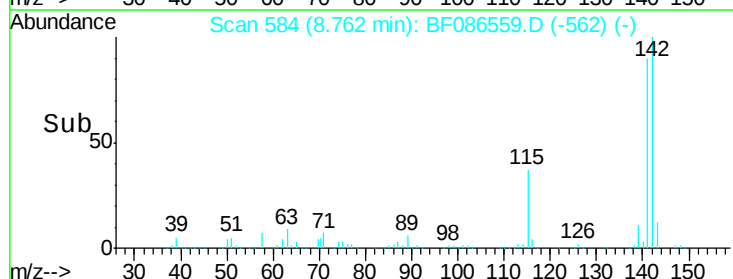
115 37.3 26.6 39.8

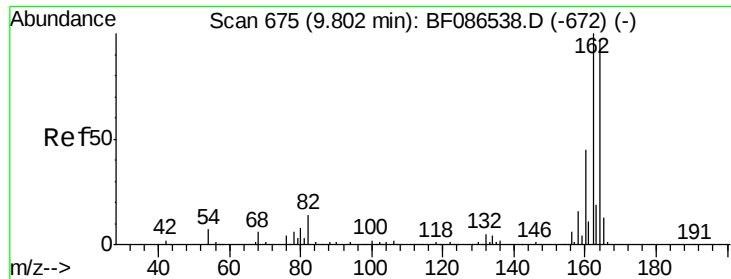


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

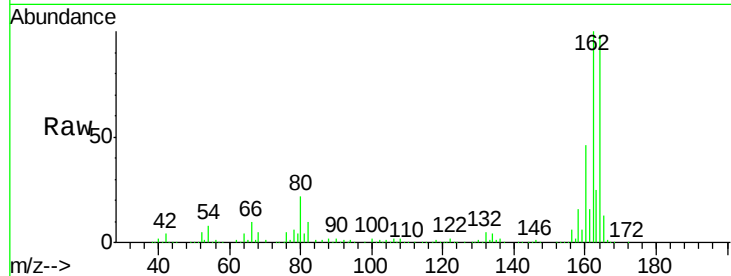




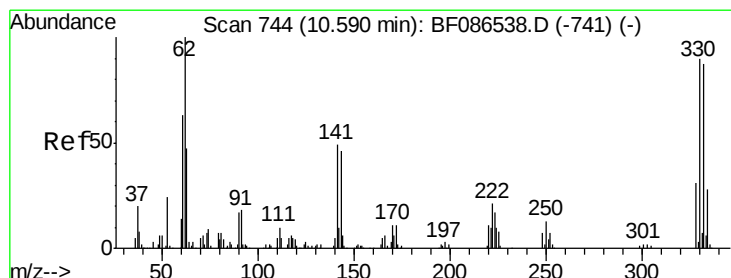
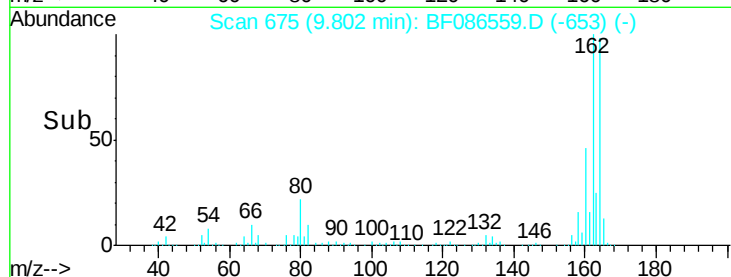
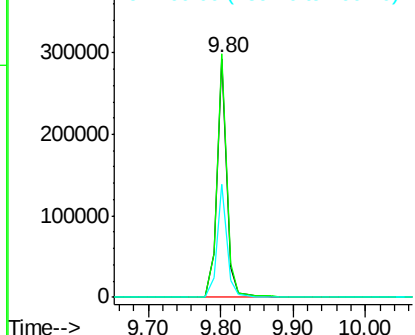
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.05 min
Lab File: BF086559.D
Acq: 1 May 2016 9:01

Instrument :
BNA_F
ClientSampleId :
TEC-B1COMP

Tgt Ion:164 Resp: 275825
Ion Ratio Lower Upper
164 100
162 102.1 82.8 124.2
160 47.4 36.9 55.3

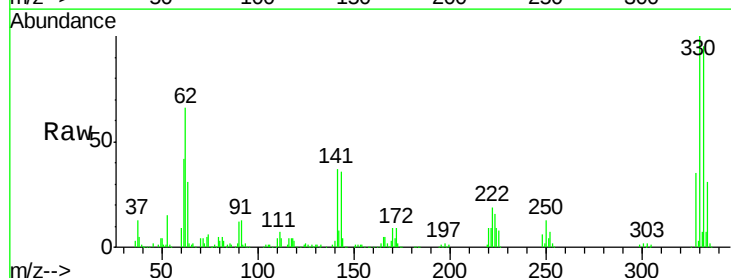


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

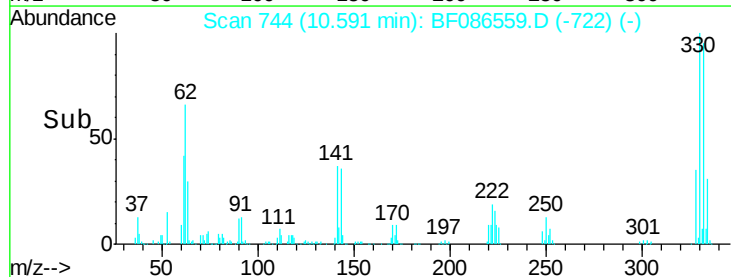
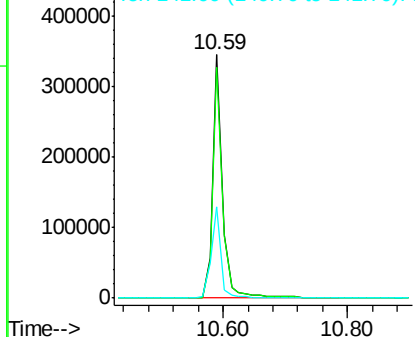


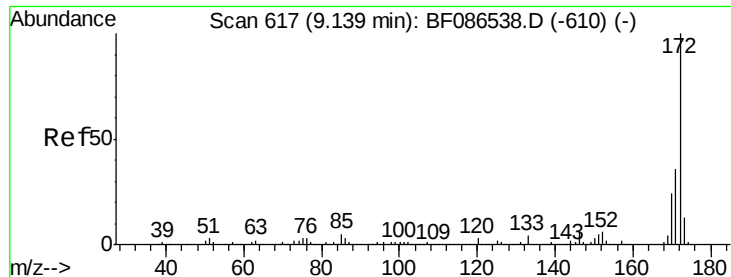
#41
2,4,6-Tribromophenol
Concen: 129.07 ng
RT: 10.59 min Scan# 744
Delta R.T. -0.05 min
Lab File: BF086559.D
Acq: 1 May 2016 9:01

Tgt Ion:330 Resp: 375432
Ion Ratio Lower Upper
330 100
332 96.2 79.0 118.4
141 38.0 31.2 46.8



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

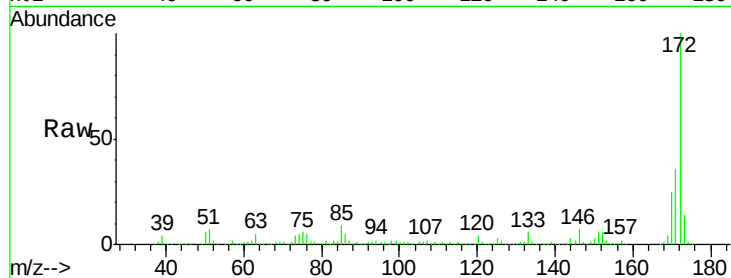




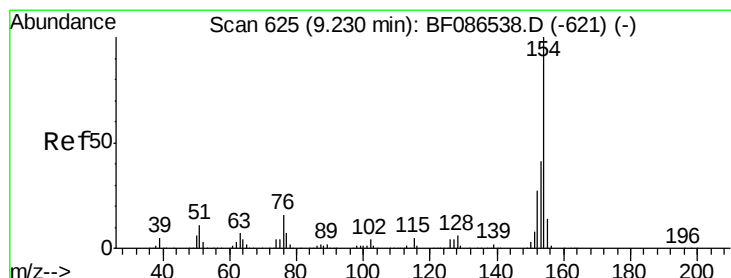
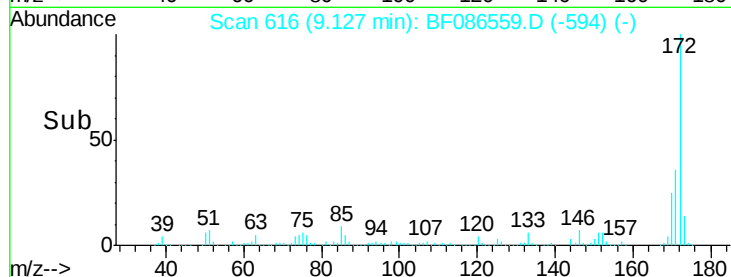
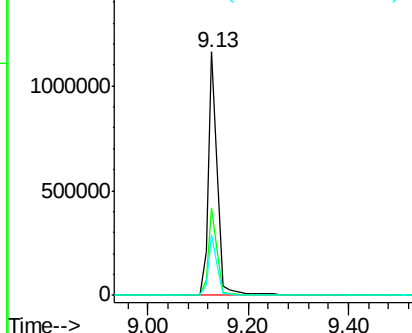
#44
 2-Fluorobiphenyl
 Concen: 92.24 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.05 min
 Lab File: BF086559.D
 Acq: 1 May 2016 9:01

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B1COMP

Tgt Ion:172 Resp: 1427807
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.0 43.6
 170 24.6 19.8 29.8

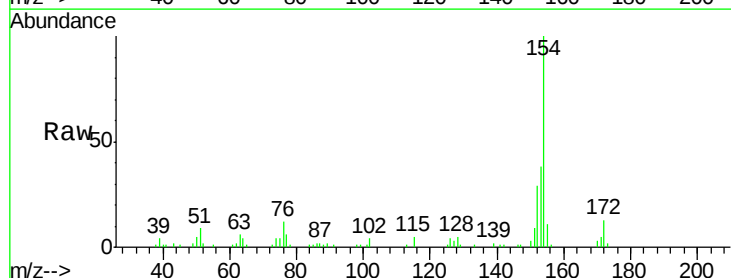


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

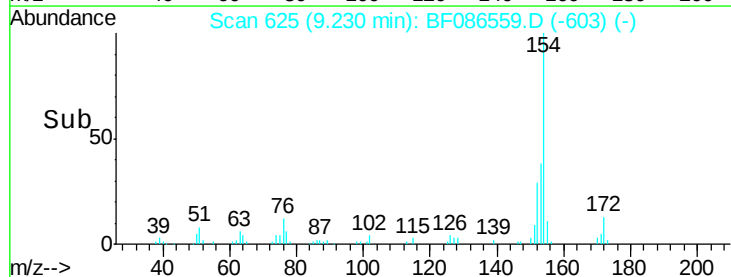
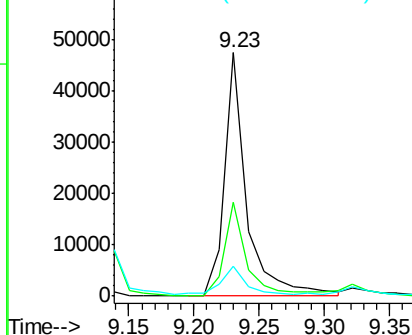


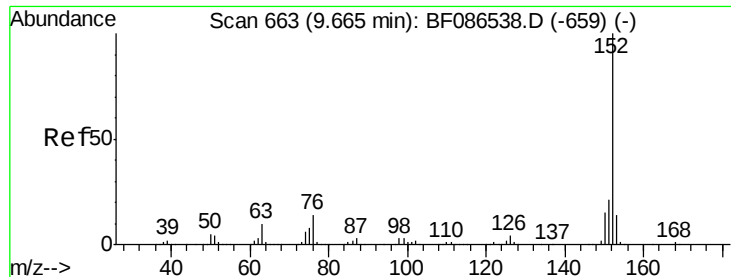
#45
 1,1'-Biphenyl
 Concen: 2.45 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.05 min
 Lab File: BF086559.D
 Acq: 1 May 2016 9:01

Tgt Ion:154 Resp: 56401
 Ion Ratio Lower Upper
 154 100
 153 38.4 20.3 60.3
 76 12.2 0.0 30.2



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





#48

Acenaphthylene

Concen: 2.96 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.05 min

Lab File: BF086559.D

Acq: 1 May 2016 9:01

Instrument :

BNA_F

ClientSampleId :

TEC-B1COMP

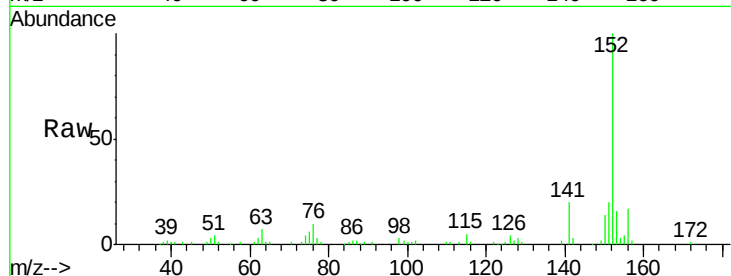
Tgt Ion:152 Resp: 81046

Ion Ratio Lower Upper

152 100

151 19.7 16.8 25.2

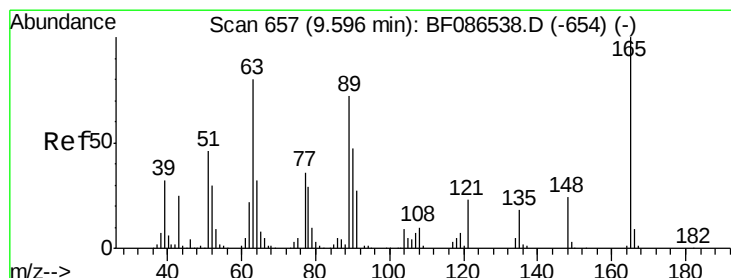
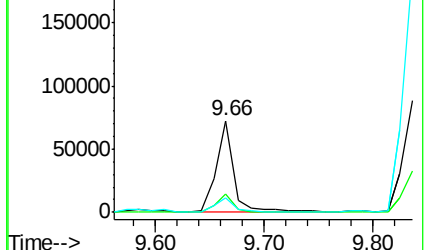
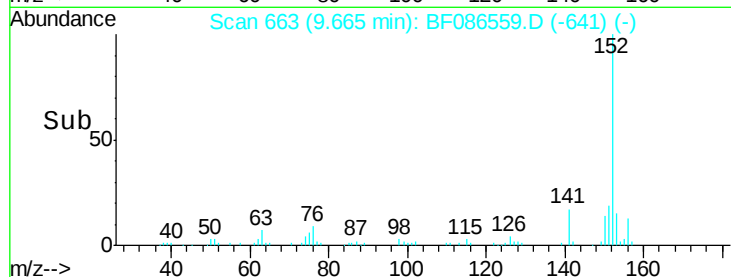
153 16.4 10.9 16.3#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

2,6-Dinitrotoluene

Concen: 8.50 ng

RT: 9.80 min Scan# 675

Delta R.T. 0.16 min

Lab File: BF086559.D

Acq: 1 May 2016 9:01

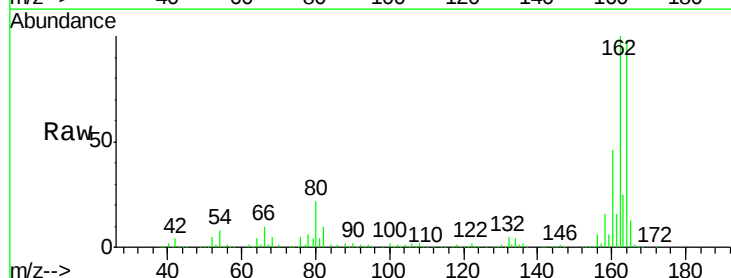
Tgt Ion:165 Resp: 36483

Ion Ratio Lower Upper

165 100

63 2.2 51.8 77.8#

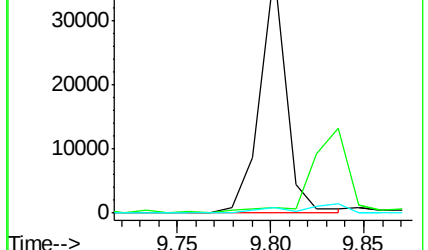
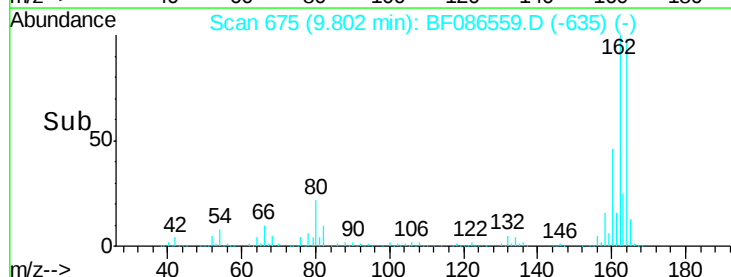
89 2.1 50.7 76.1#

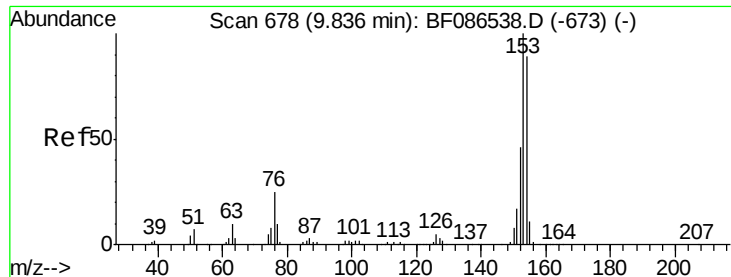


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 9.88 ng

RT: 9.84 min Scan# 678

Delta R.T. -0.05 min

Lab File: BF086559.D

Acq: 1 May 2016 9:01

Instrument :

BNA_F

ClientSampleId :

TEC-B1COMP

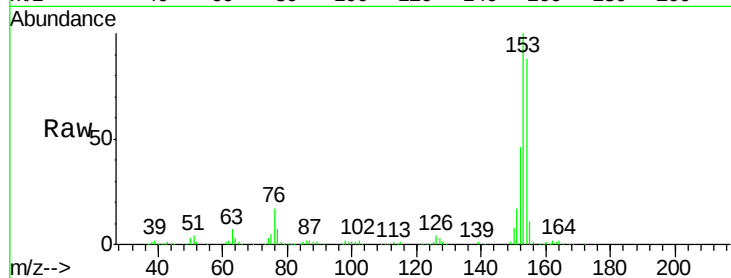
Tgt Ion:154 Resp: 173868

Ion Ratio Lower Upper

154 100

153 113.2 89.8 134.6

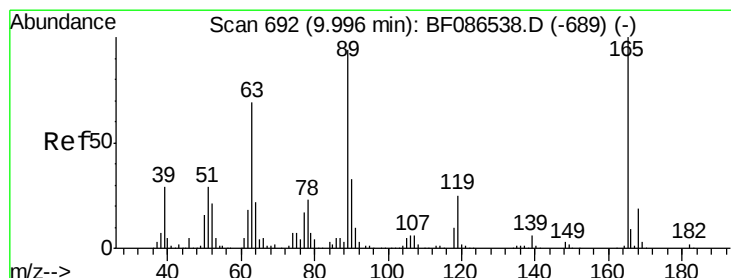
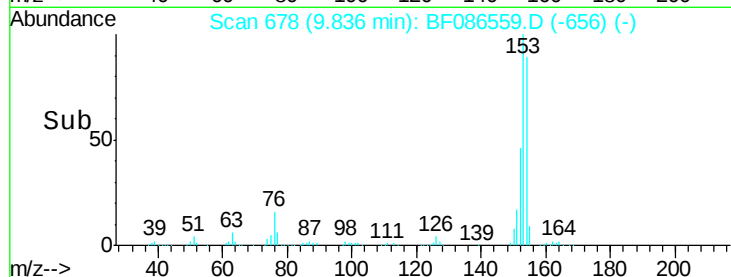
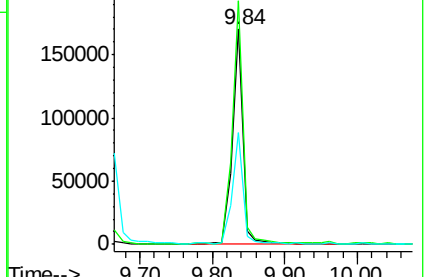
152 52.3 43.4 65.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#56

2,4-Dinitrotoluene

Concen: 6.93 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.24 min

Lab File: BF086559.D

Acq: 1 May 2016 9:01

Tgt Ion:165 Resp: 37905

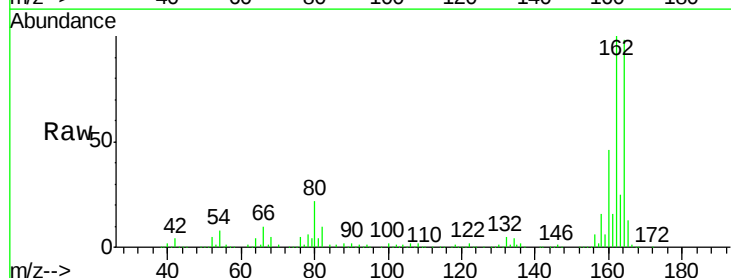
Ion Ratio Lower Upper

165 100

63 2.2 44.3 66.5#

89 2.1 70.0 105.0#

182 0.0 1.8 2.6#

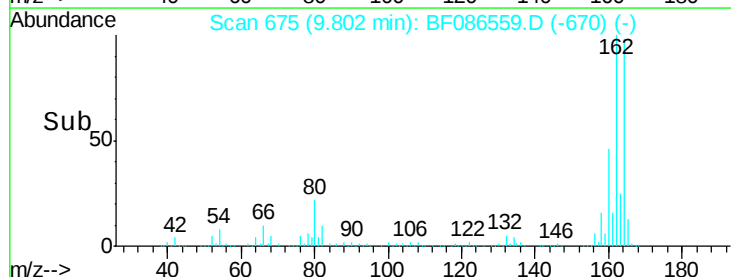
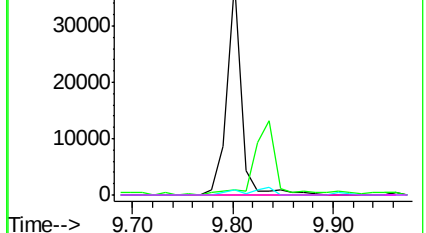


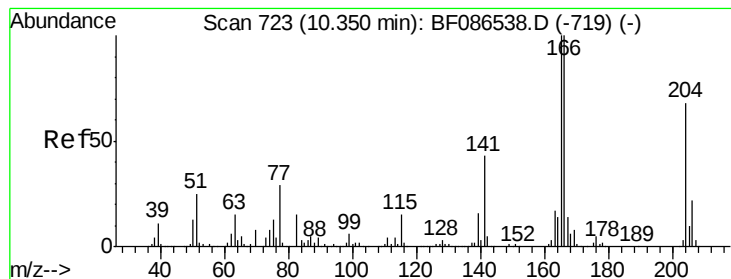
Abundance Ion 165.00 (164.70 to 165.70): E

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





#57

Fluorene

Concen: 4.78 ng

RT: 10.35 min Scan# 723

Delta R.T. -0.05 min

Lab File: BF086559.D

Acq: 1 May 2016 9:01

Instrument :

BNA_F

ClientSampleId :

TEC-B1COMP

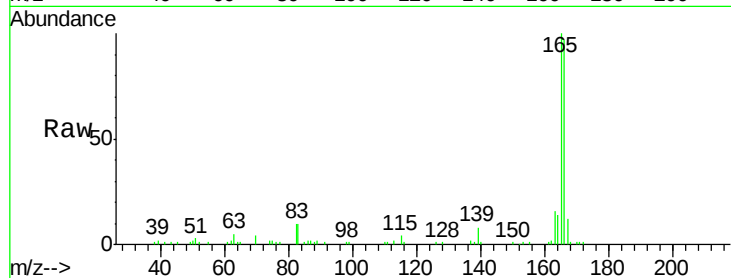
Tgt Ion:166 Resp: 91376

Ion Ratio Lower Upper

166 100

165 103.2 79.0 118.6

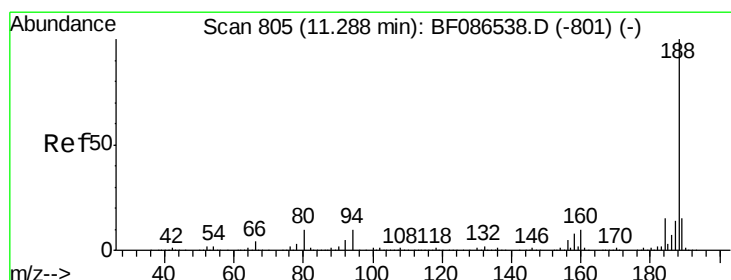
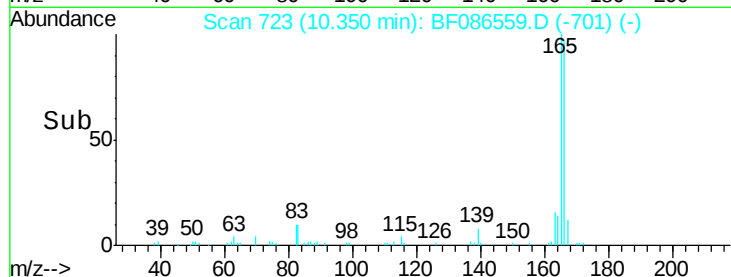
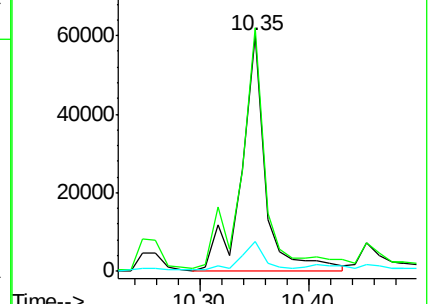
167 12.6 10.6 15.8



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.28 min Scan# 804

Delta R.T. -0.05 min

Lab File: BF086559.D

Acq: 1 May 2016 9:01

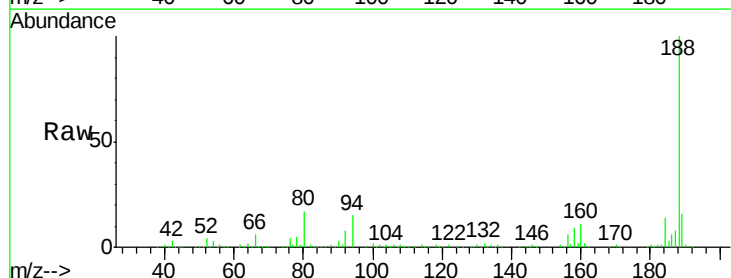
Tgt Ion:188 Resp: 524643

Ion Ratio Lower Upper

188 100

94 15.2 6.8 10.2#

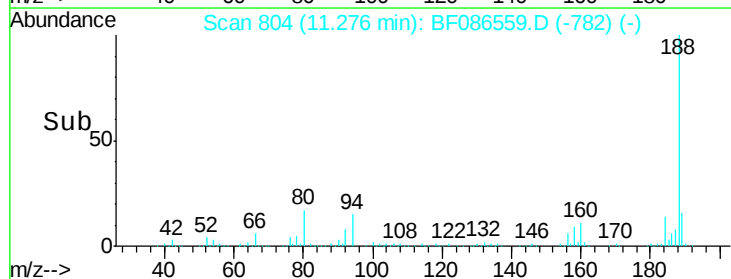
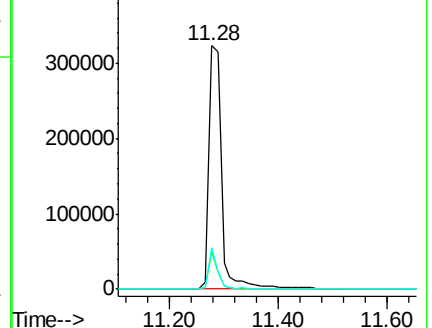
80 16.8 7.1 10.7#

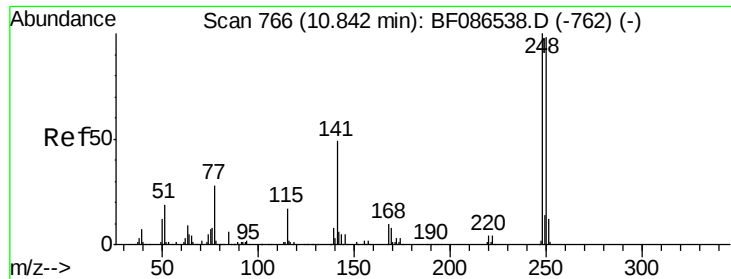


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

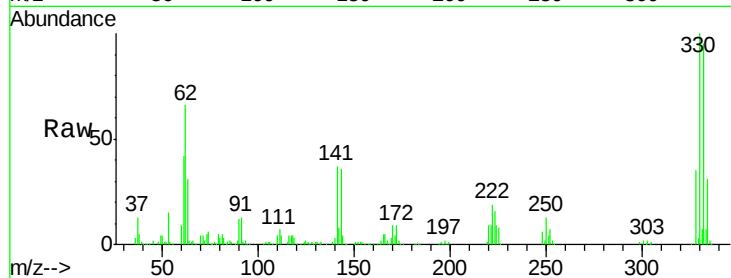




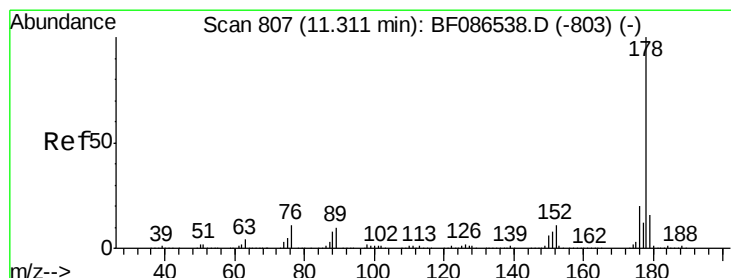
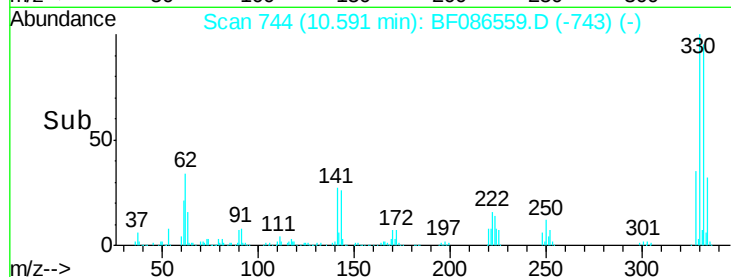
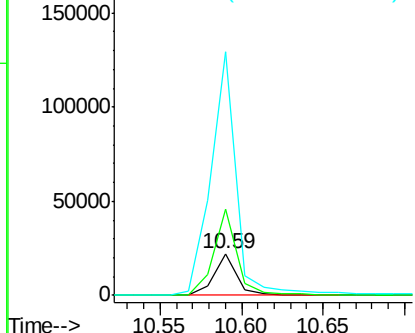
#66
 4-Bromophenyl-phenylether
 Concen: 4.10 ng
 RT: 10.59 min Scan# 744
 Delta R.T. -0.29 min
 Lab File: BF086559.D
 Acq: 1 May 2016 9:01

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B1COMP

Tgt Ion:248 Resp: 22176
 Ion Ratio Lower Upper
 248 100
 250 206.9 78.6 117.8#
 141 582.2 76.0 114.0#

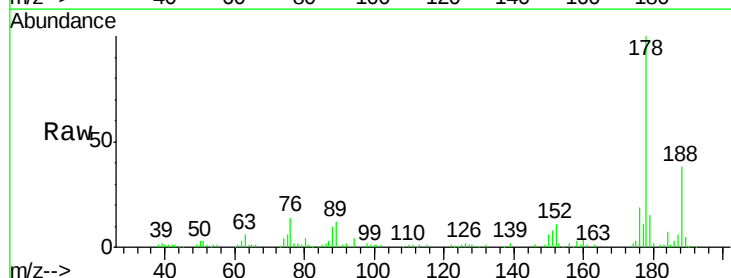


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

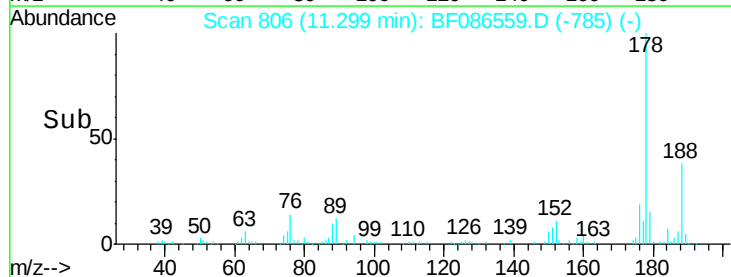
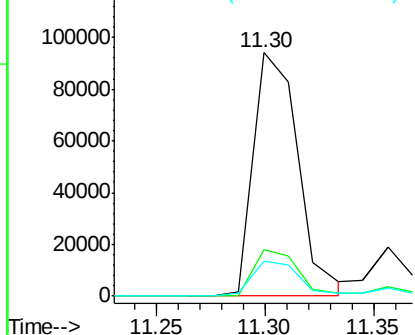


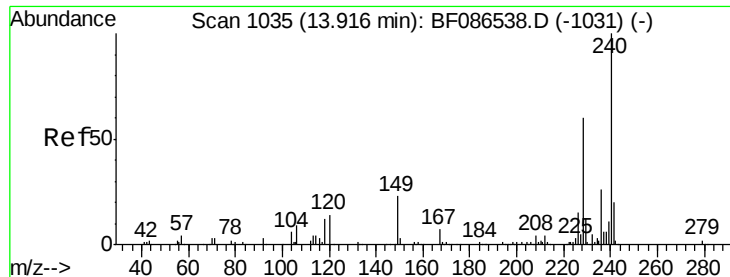
#70
 Phenanthrene
 Concen: 4.92 ng
 RT: 11.30 min Scan# 806
 Delta R.T. -0.06 min
 Lab File: BF086559.D
 Acq: 1 May 2016 9:01

Tgt Ion:178 Resp: 135448
 Ion Ratio Lower Upper
 178 100
 176 19.1 16.0 24.0
 179 14.6 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.06 min

Lab File: BF086559.D

Acq: 1 May 2016 9:01

Instrument :

BNA_F

ClientSampleId :

TEC-B1COMP

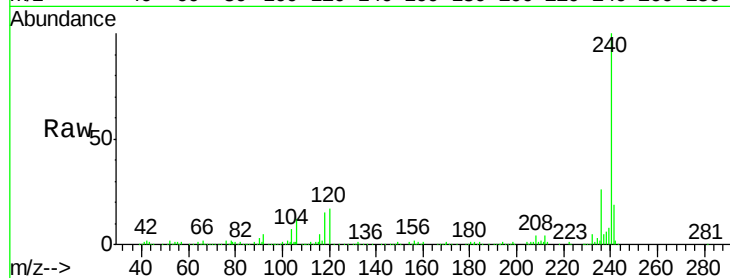
Tgt Ion:240 Resp: 374720

Ion Ratio Lower Upper

240 100

120 17.2 11.2 16.8#

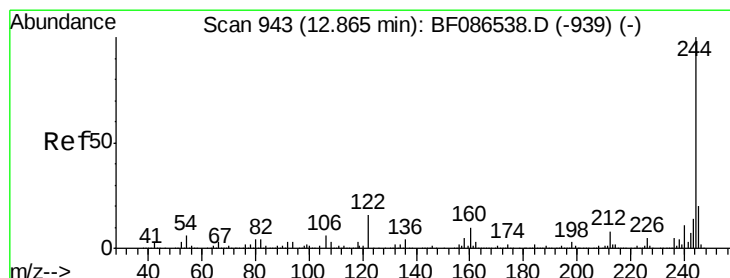
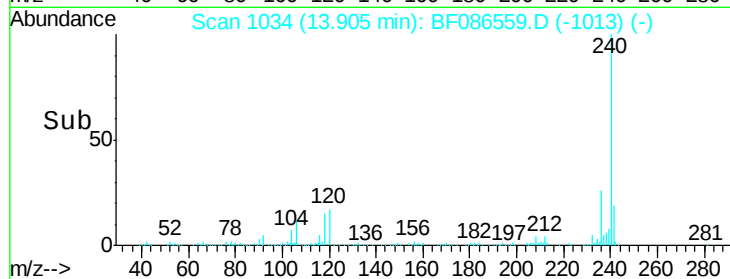
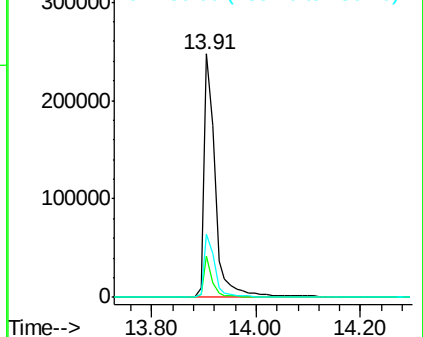
236 26.1 21.2 31.8



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



#78

Terphenyl-d14

Concen: 86.64 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.05 min

Lab File: BF086559.D

Acq: 1 May 2016 9:01

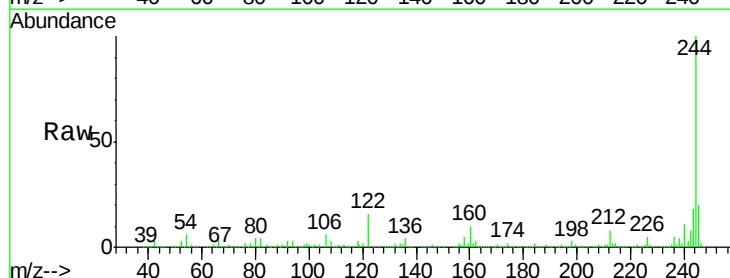
Tgt Ion:244 Resp: 1473552

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

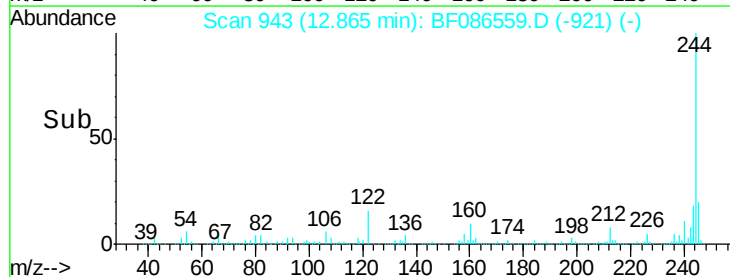
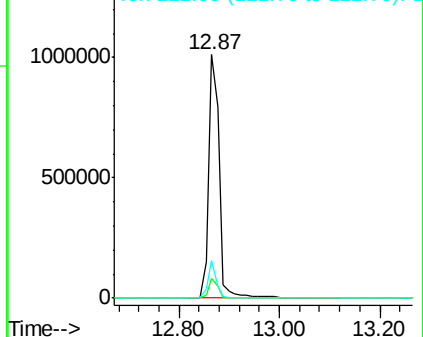
122 15.5 12.0 18.0

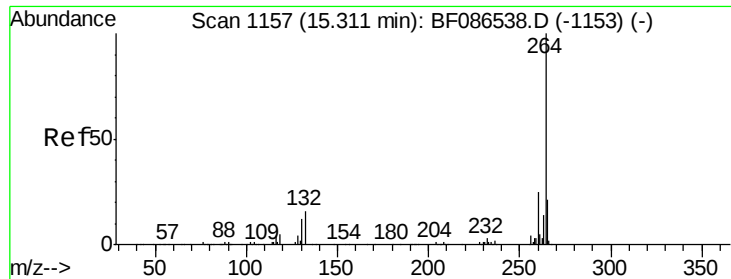


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.06 min
Lab File: BF086559.D
Acq: 1 May 2016 9:01

Instrument :
BNA_F
ClientSampleId :
TEC-B1COMP

Tgt Ion: 264 Resp: 330835
Ion Ratio Lower Upper
264 100
260 24.6 19.5 29.3
265 21.9 17.3 25.9

