

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF043016\
 Data File : BF086562.D
 Acq On : 1 May 2016 10:26
 Operator : UM/SJ
 Sample : H2762-13
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B4COMP

Quant Time: May 02 00:50:06 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	130194	20.00	ng	-0.05
21) Naphthalene-d8	8.05	136	558689	20.00	ng	-0.05
38) Acenaphthene-d10	9.80	164	276859	20.00	ng	-0.05
63) Phenanthrene-d10	11.28	188	517071	20.00	ng	-0.05
75) Chrysene-d12	13.91	240	345026	20.00	ng	-0.06
86) Perylene-d12	15.30	264	309616	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	968495	128.31	ng	-0.02
7) Phenol-d6	6.41	99	1155324	109.67	ng	-0.03
23) Nitrobenzene-d5	7.33	82	937102	90.41	ng	-0.05
41) 2,4,6-Tribromophenol	10.59	330	361815	123.92	ng	-0.05
44) 2-Fluorobiphenyl	9.13	172	1442410	93.01	ng	-0.05
78) Terphenyl-d14	12.87	244	1368542	87.39	ng	-0.05

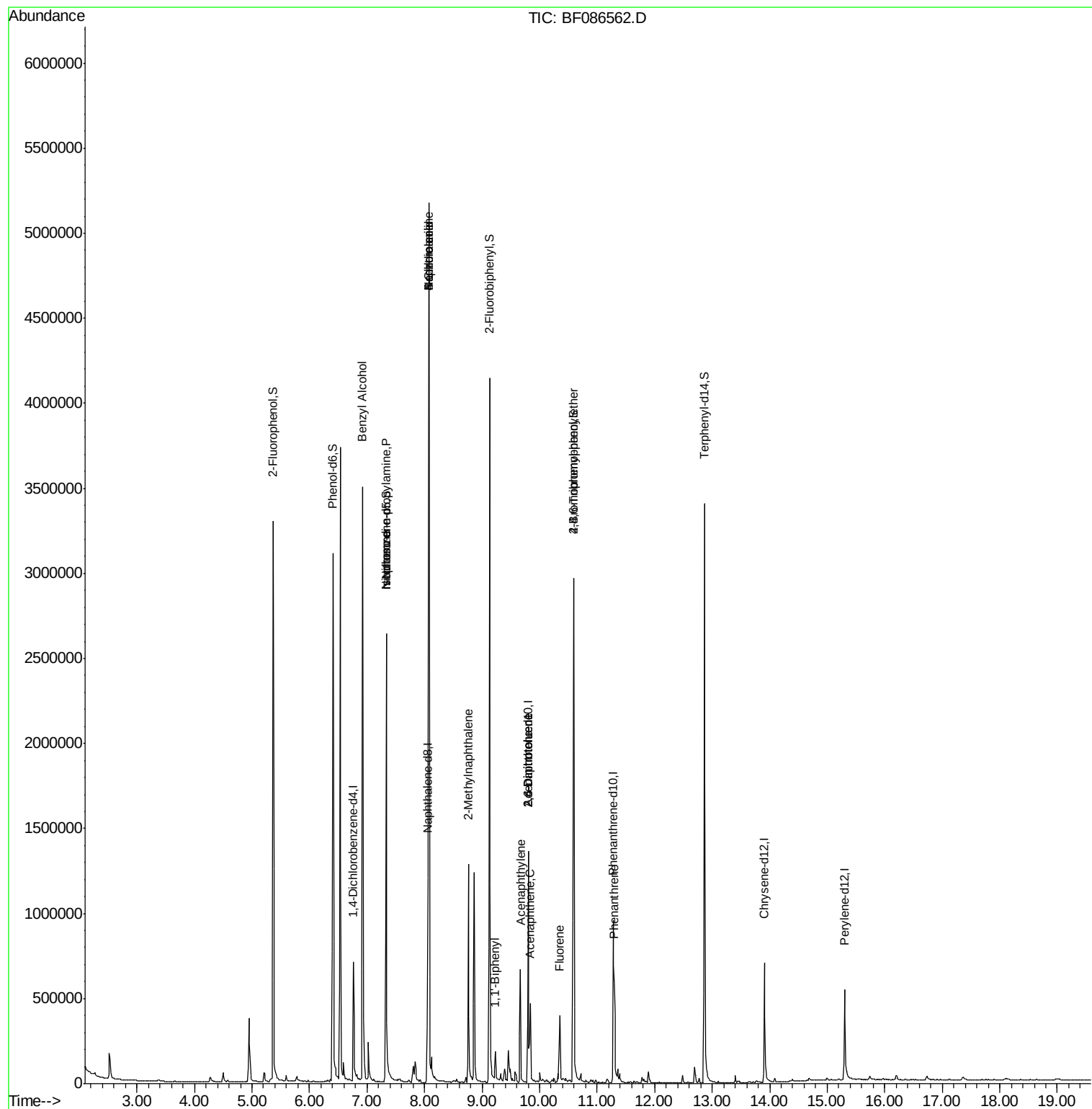
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.92	79	16955	2.54	ng	# 41
19) n-Nitroso-di-n-propylamine	7.33	70	128893	18.51	ng	# 76
25) Isophorone	7.33	82	714776	35.83	ng	# 68
31) Naphthalene	8.08	128	2430038	85.48	ng	97
32) Benzoic acid	8.08	122	6060	9.73	ng	# 1
33) 4-Chloroaniline	8.08	127	342297	32.15	ng	# 35
37) 2-Methylnaphthalene	8.76	142	383935	22.89	ng	97
45) 1,1'-Biphenyl	9.23	154	77203	3.34	ng	99
48) Acenaphthylene	9.66	152	313577	11.40	ng	98
50) 2,6-Dinitrotoluene	9.80	165	37172	8.63	ng	# 21
51) Acenaphthene	9.84	154	120100	6.80	ng	98
56) 2,4-Dinitrotoluene	9.80	165	39167	7.14	ng	# 16
57) Fluorene	10.35	166	161209	8.41	ng	100
66) 4-Bromophenyl-phenylether	10.59	248	22405	4.21	ng	# 1
70) Phenanthrene	11.30	178	277450	10.22	ng	99

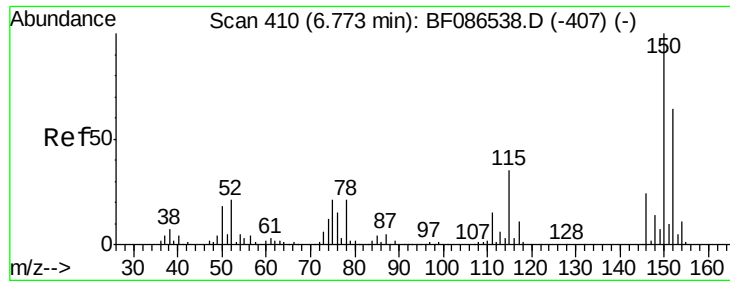
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF086562.D

Acq: 1 May 2016 10:26

Instrument :

BNA_F

ClientSampleId :

TEC-B4COMP

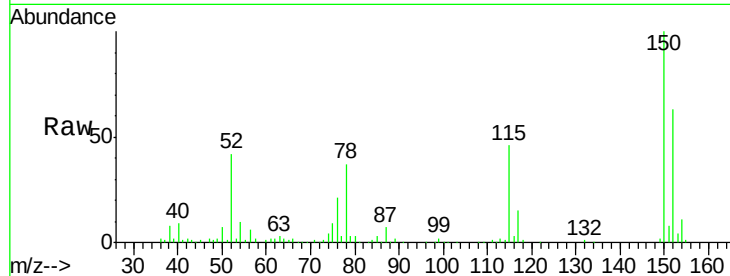
Tgt Ion:152 Resp: 130194

Ion Ratio Lower Upper

152 100

150 158.9 125.8 188.6

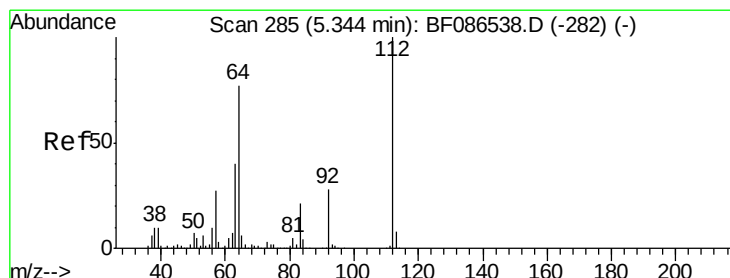
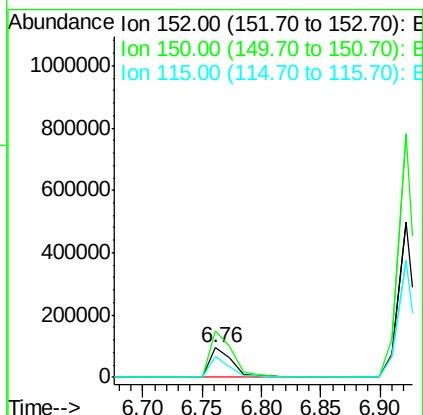
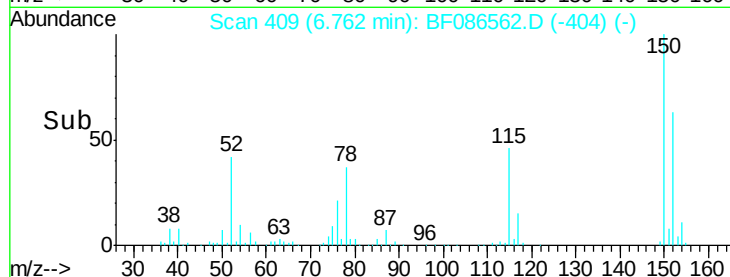
115 73.4 51.5 77.3



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: 128.31 ng

RT: 5.37 min Scan# 287

Delta R.T. -0.02 min

Lab File: BF086562.D

Acq: 1 May 2016 10:26

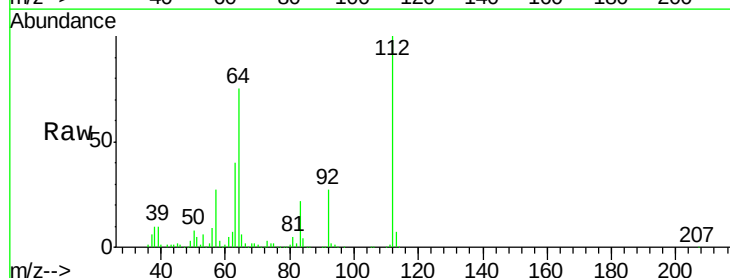
Tgt Ion:112 Resp: 968495

Ion Ratio Lower Upper

112 100

64 74.8 52.1 78.1

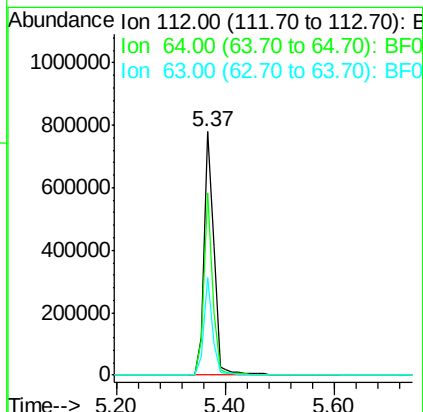
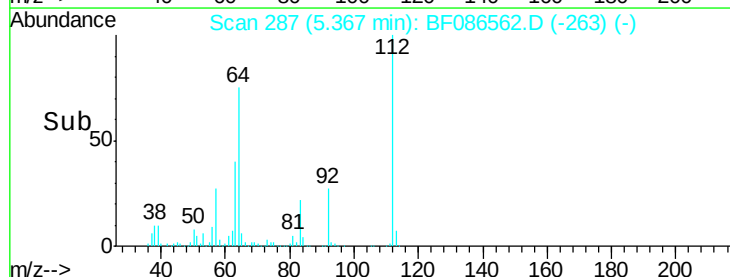
63 40.4 25.7 38.5#

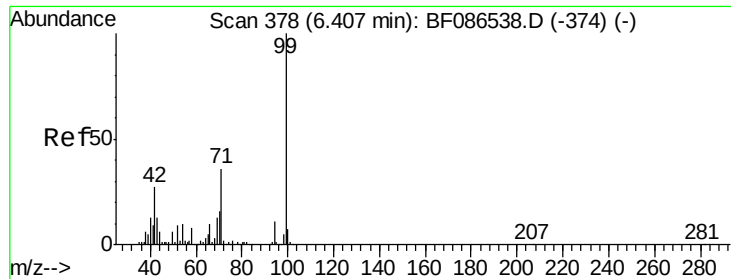


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 109.67 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.03 min

Lab File: BF086562.D

Acq: 1 May 2016 10:26

Instrument :

BNA_F

ClientSampleId :

TEC-B4COMP

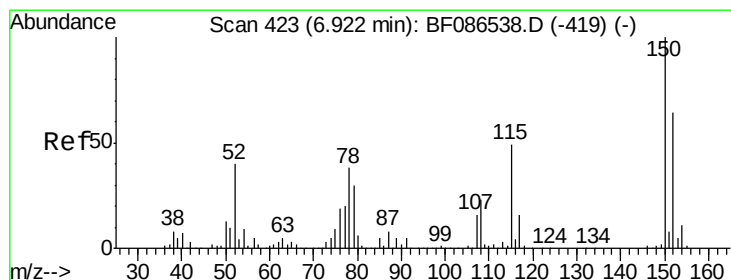
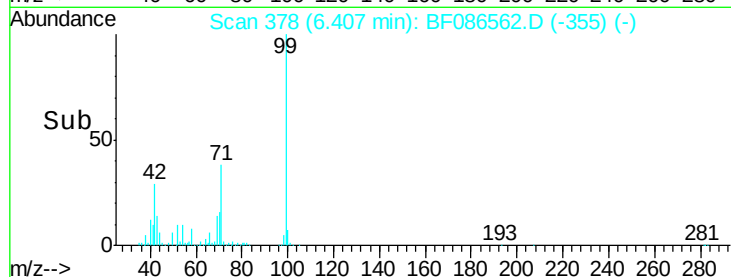
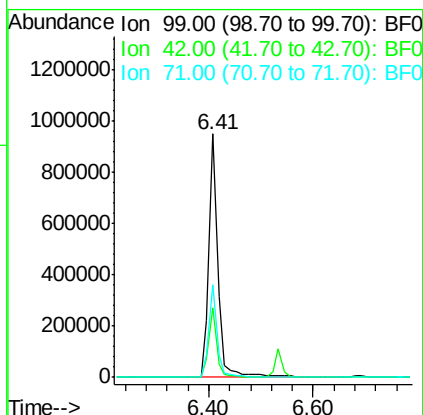
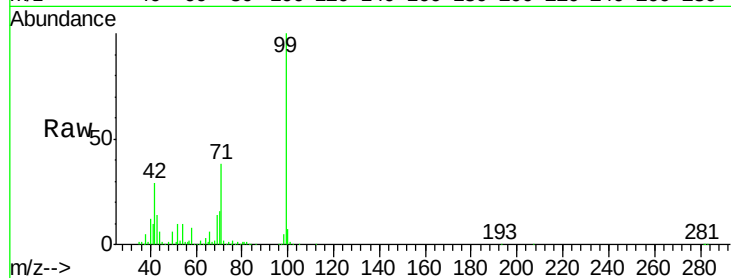
Tgt Ion: 99 Resp: 1155324

Ion Ratio Lower Upper

99 100

42 28.8 13.6 20.4#

71 37.8 24.6 36.8#



#15

Benzyl Alcohol

Concen: 2.54 ng

RT: 6.92 min Scan# 423

Delta R.T. -0.03 min

Lab File: BF086562.D

Acq: 1 May 2016 10:26

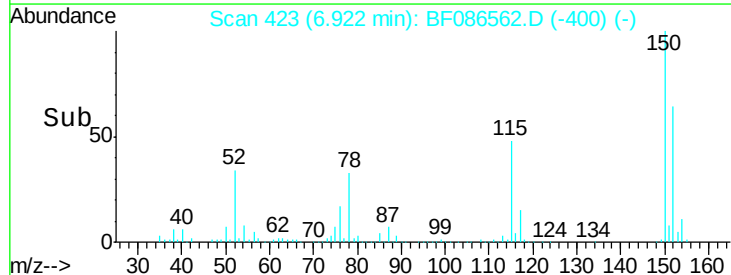
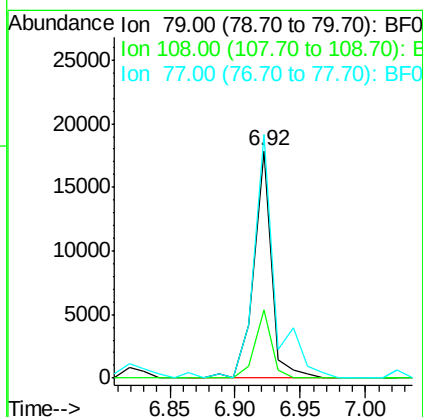
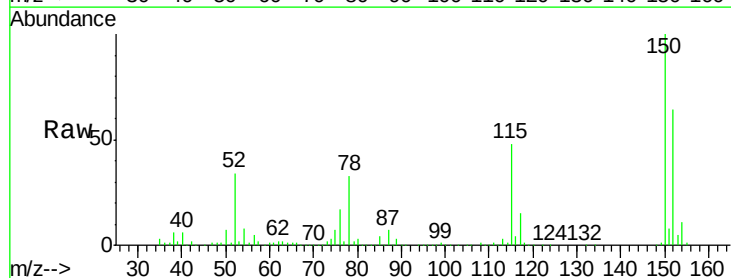
Tgt Ion: 79 Resp: 16955

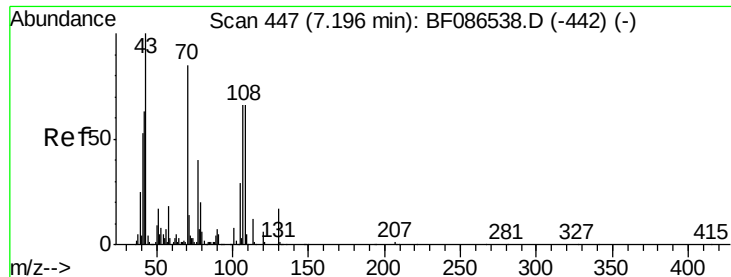
Ion Ratio Lower Upper

79 100

108 30.2 68.4 102.6#

77 107.1 50.6 76.0#

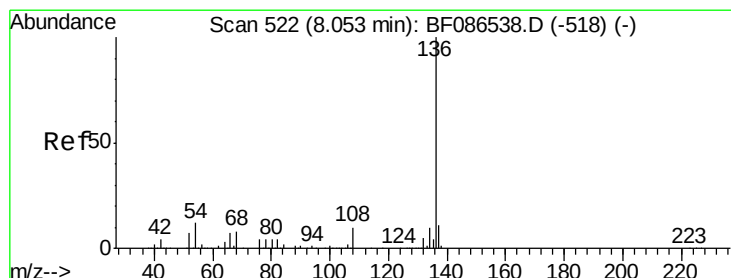
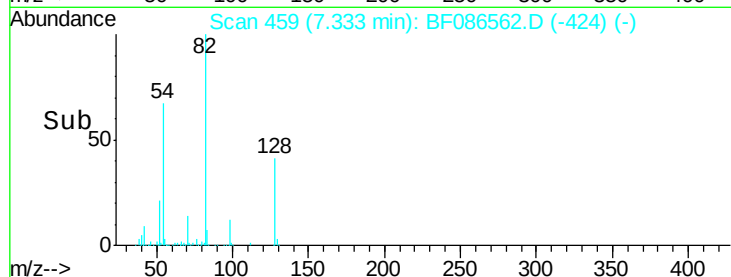
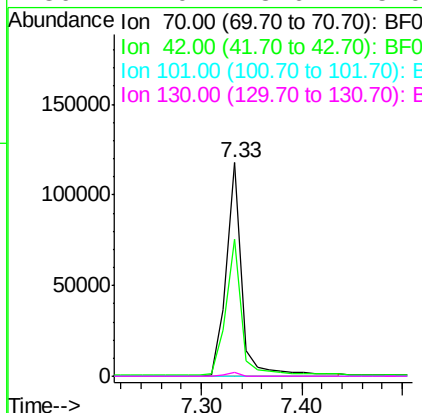
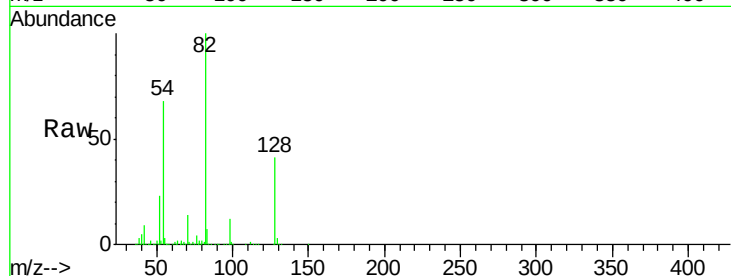




#19
n-Nitroso-di-n-propylamine
Concen: 18.51 ng
RT: 7.33 min Scan# 459
Delta R.T. 0.10 min
Lab File: BF086562.D
Acq: 1 May 2016 10:26

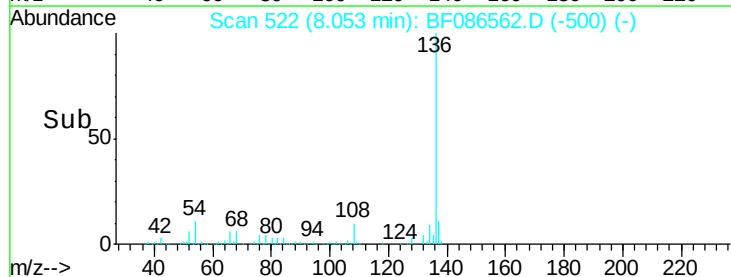
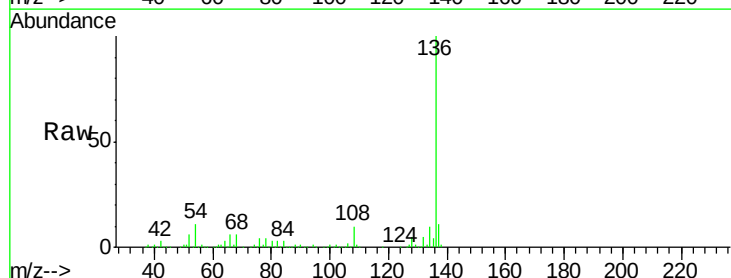
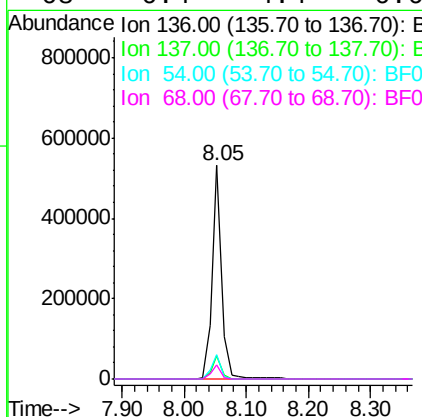
Instrument :
BNA_F
ClientSampleId :
TEC-B4COMP

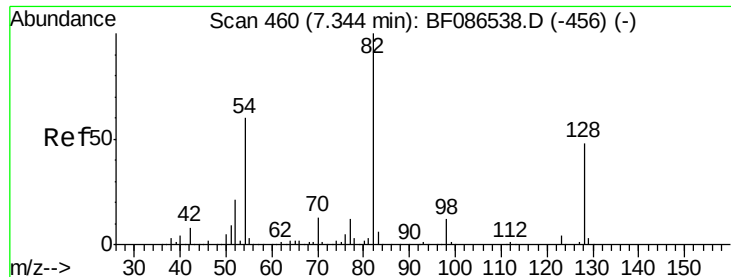
Tgt Ion: 70 Resp: 128893
Ion Ratio Lower Upper
70 100
42 64.1 43.1 64.7
101 0.0 8.1 12.1#
130 2.0 18.6 28.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.05 min Scan# 522
Delta R.T. -0.05 min
Lab File: BF086562.D
Acq: 1 May 2016 10:26

Tgt Ion: 136 Resp: 558689
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 11.2 5.0 7.4#
68 6.4 4.4 6.6

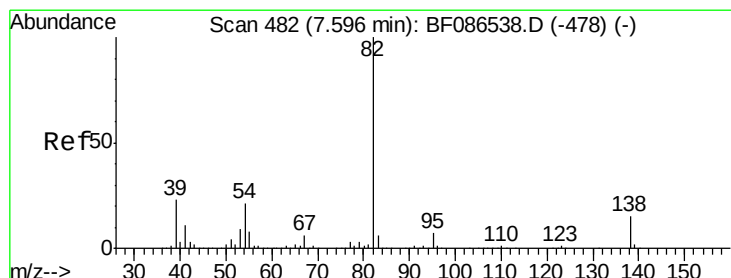
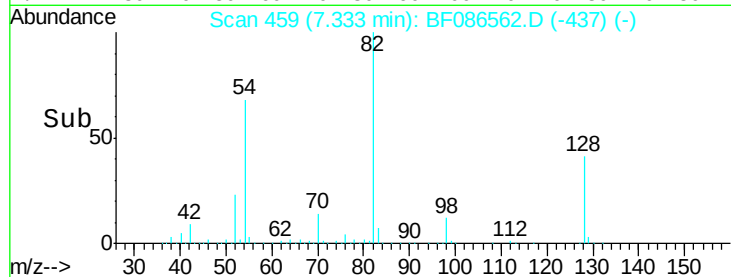
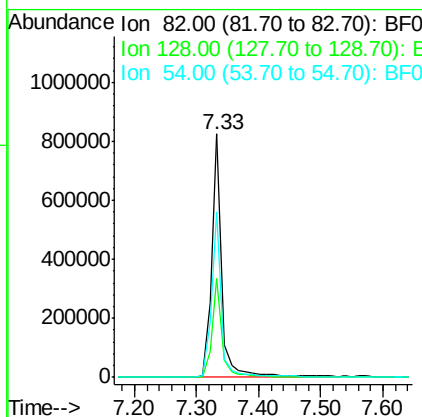
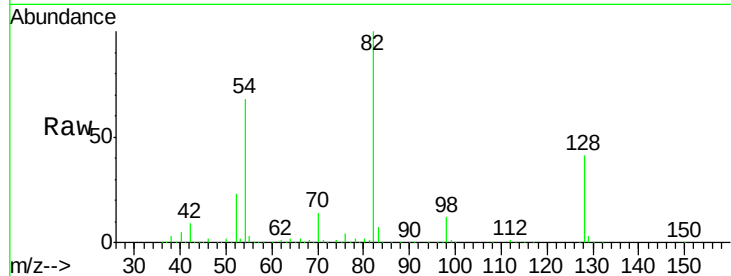




#23
 Nitrobenzene-d5
 Concen: 90.41 ng
 RT: 7.33 min Scan# 459
 Delta R.T. -0.05 min
 Lab File: BF086562.D
 Acq: 1 May 2016 10:26

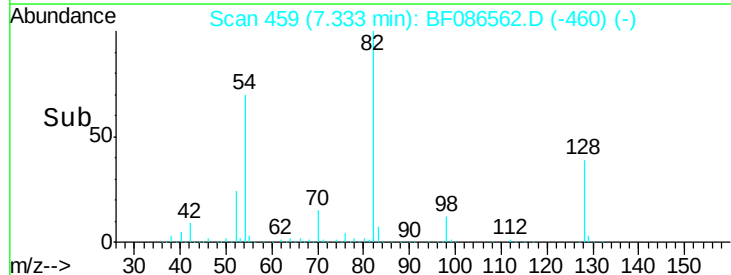
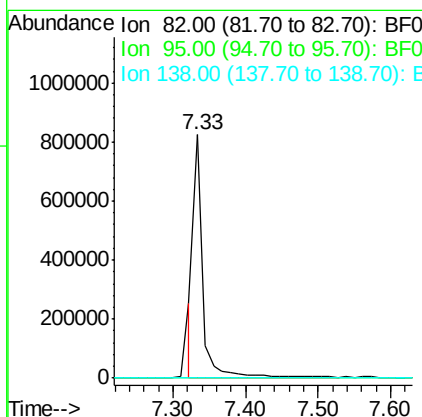
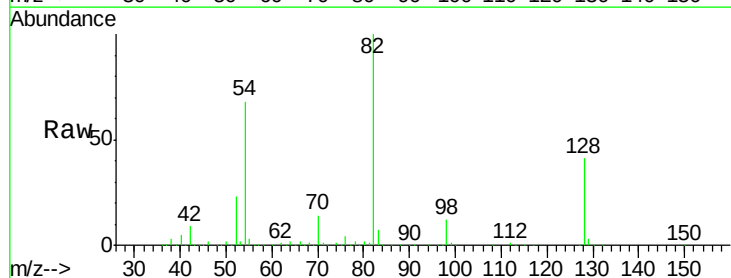
Instrument :
 BNA_F
 ClientSampleId :
 TEC-B4COMP

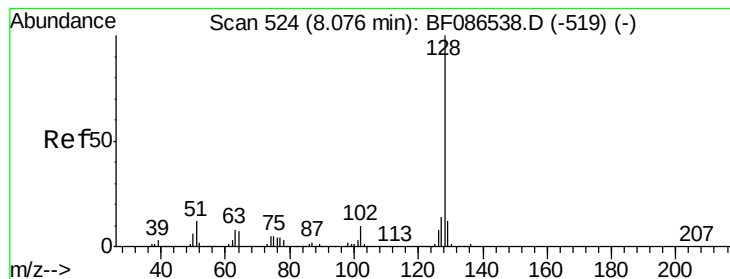
Tgt Ion: 82 Resp: 937102
 Ion Ratio Lower Upper
 82 100
 128 40.6 40.6 61.0#
 54 68.0 38.1 57.1#



#25
 Isophorone
 Concen: 35.83 ng
 RT: 7.33 min Scan# 459
 Delta R.T. -0.31 min
 Lab File: BF086562.D
 Acq: 1 May 2016 10:26

Tgt Ion: 82 Resp: 714776
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.1 7.7#
 138 0.0 12.4 18.6#





#31

Naphthalene

Concen: 85.48 ng

RT: 8.08 min Scan# 524

Delta R.T. -0.03 min

Lab File: BF086562.D

Acq: 1 May 2016 10:26

Instrument :

BNA_F

ClientSampleId :

TEC-B4COMP

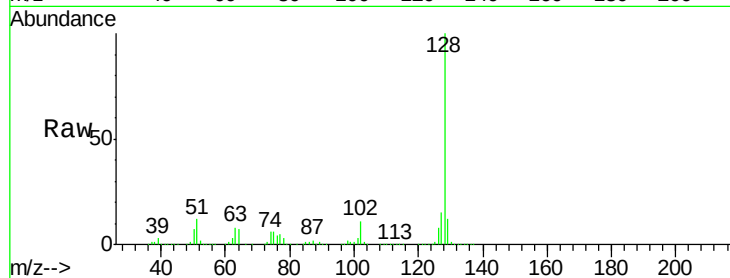
Tgt Ion:128 Resp: 2430038

Ion Ratio Lower Upper

128 100

129 12.0 8.6 13.0

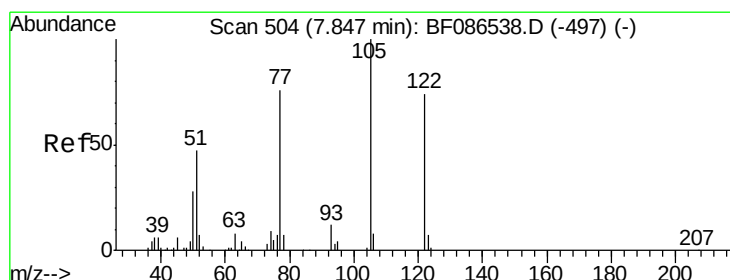
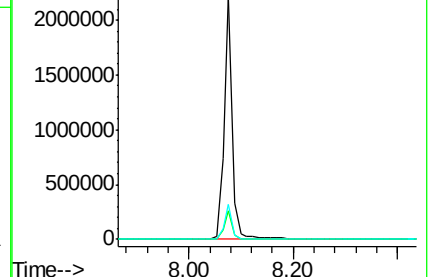
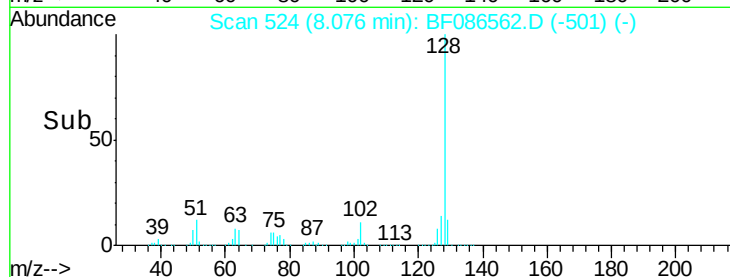
127 14.5 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 9.73 ng

RT: 8.08 min Scan# 524

Delta R.T. 0.18 min

Lab File: BF086562.D

Acq: 1 May 2016 10:26

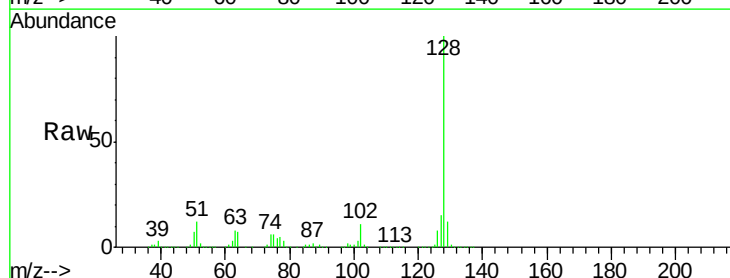
Tgt Ion:122 Resp: 6060

Ion Ratio Lower Upper

122 100

105 0.0 92.6 132.6#

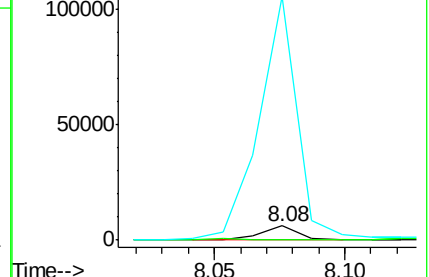
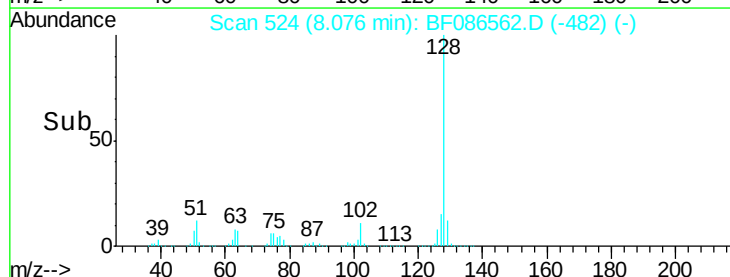
77 1726.1 60.0 100.0#

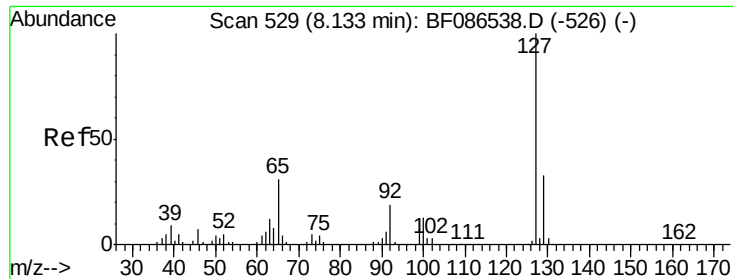


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

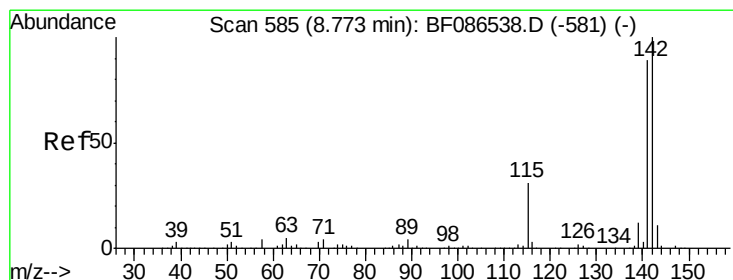
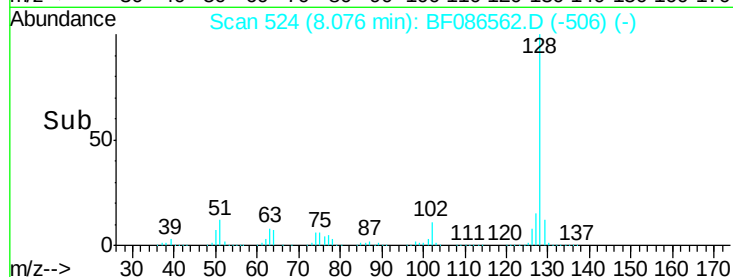
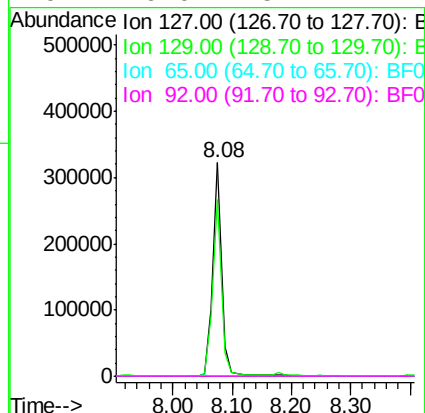
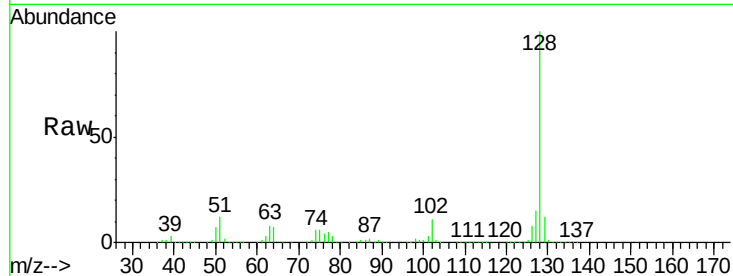




#33
4-Chloroaniline
Concen: 32.15 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.09 min
Lab File: BF086562.D
Acq: 1 May 2016 10:26

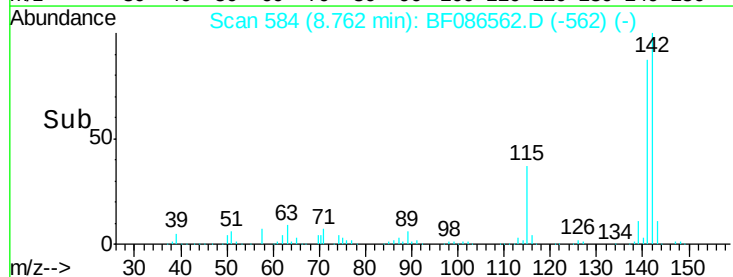
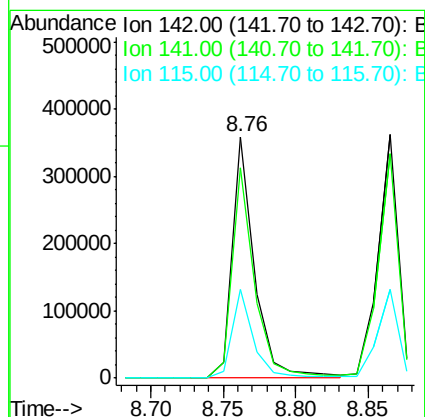
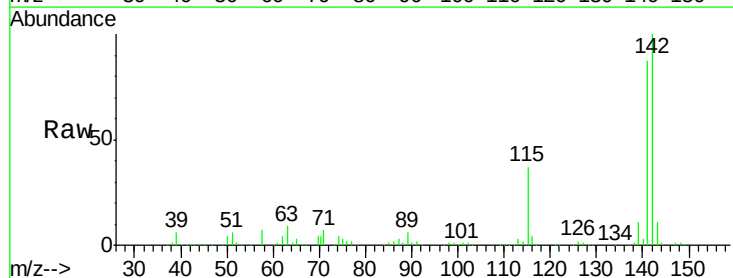
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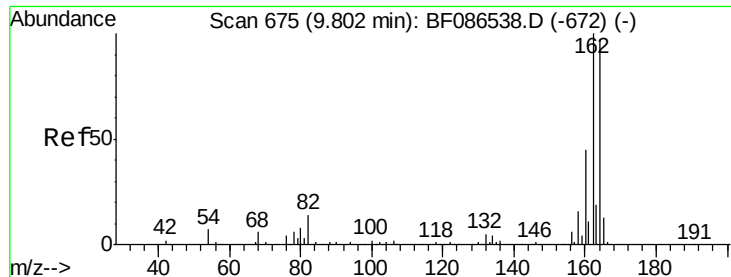
Tgt Ion:	127	Resp:	342297
Ion	Ratio	Lower	Upper
127	100		
129	82.5	26.2	39.4#
65	0.0	23.0	34.4#
92	0.0	15.1	22.7#



#37
2-Methylnaphthalene
Concen: 22.89 ng
RT: 8.76 min Scan# 584
Delta R.T. -0.05 min
Lab File: BF086562.D
Acq: 1 May 2016 10:26

Tgt Ion:	142	Resp:	383935
Ion	Ratio	Lower	Upper
142	100		
141	87.1	71.0	106.6
115	36.8	26.6	39.8





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.05 min

Lab File: BF086562.D

Acq: 1 May 2016 10:26

Instrument :

BNA_F

ClientSampleId :

TEC-B4COMP

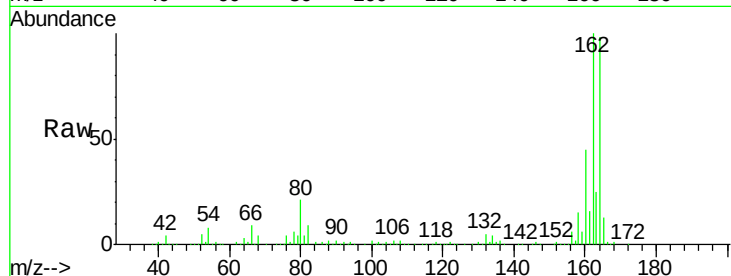
Tgt Ion:164 Resp: 276859

Ion Ratio Lower Upper

164 100

162 102.2 82.8 124.2

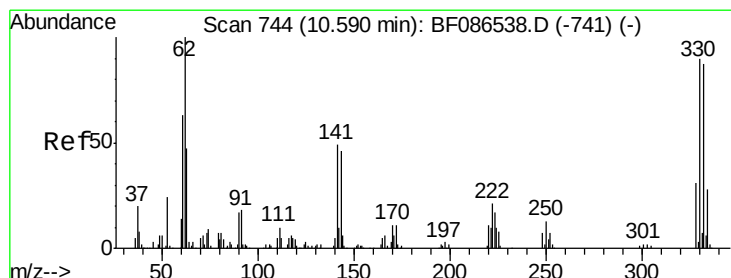
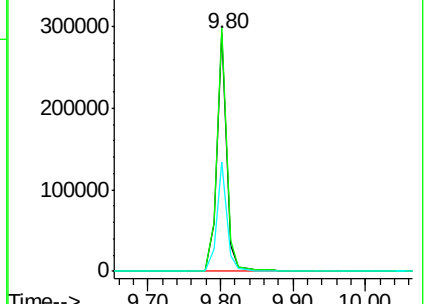
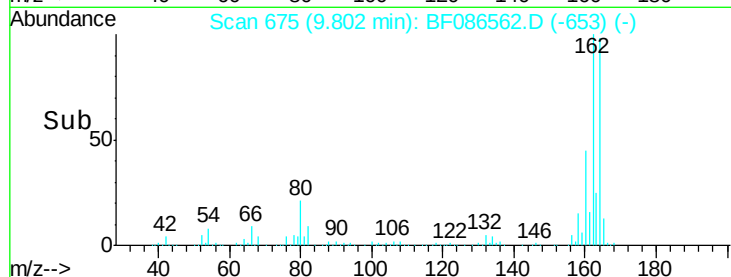
160 45.6 36.9 55.3



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: 123.92 ng

RT: 10.59 min Scan# 744

Delta R.T. -0.05 min

Lab File: BF086562.D

Acq: 1 May 2016 10:26

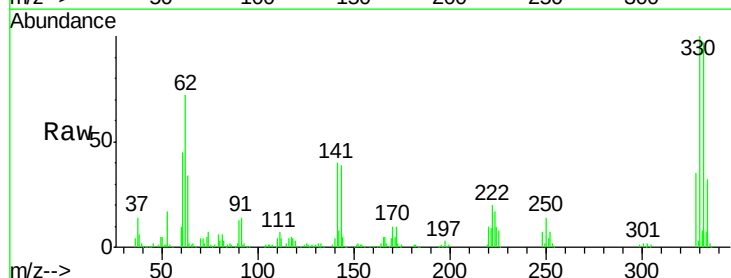
Tgt Ion:330 Resp: 361815

Ion Ratio Lower Upper

330 100

332 97.0 79.0 118.4

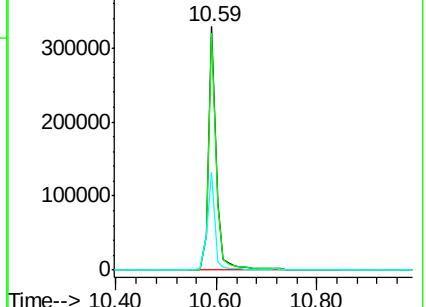
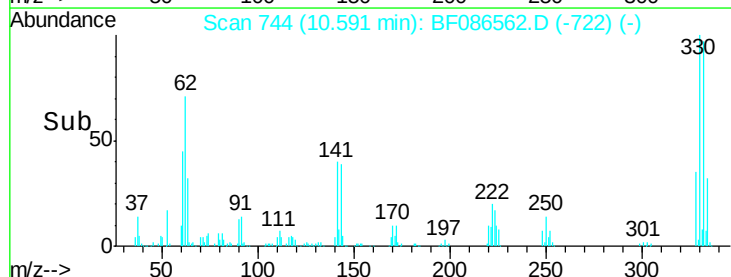
141 39.4 31.2 46.8

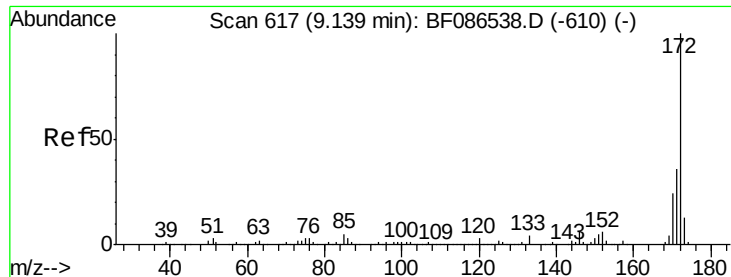


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

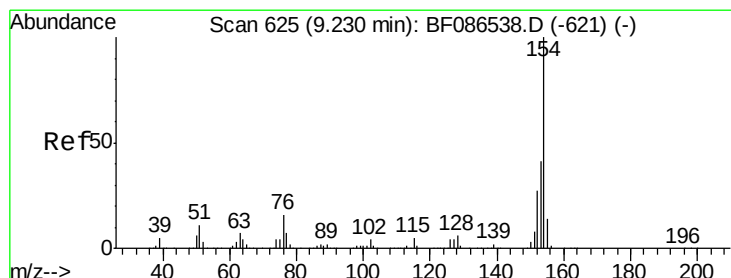
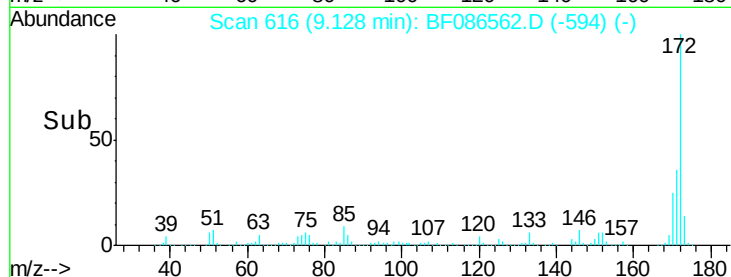
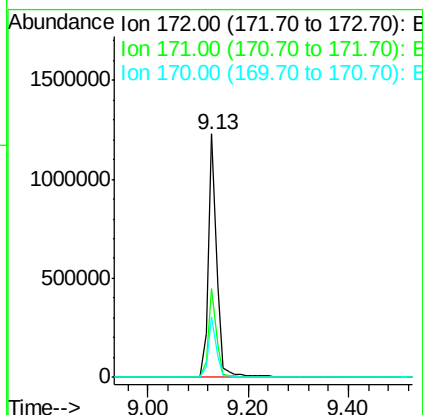
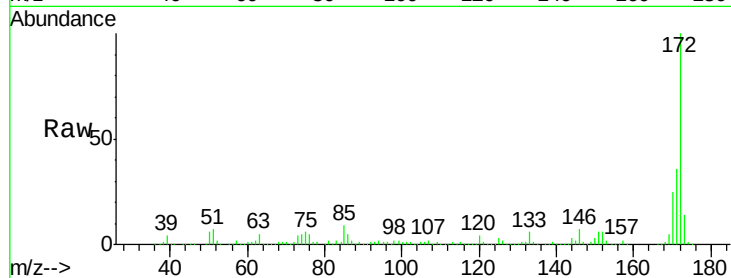




#44
 2-Fluorobiphenyl
 Concen: 93.01 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.05 min
 Lab File: BF086562.D
 Acq: 1 May 2016 10:26

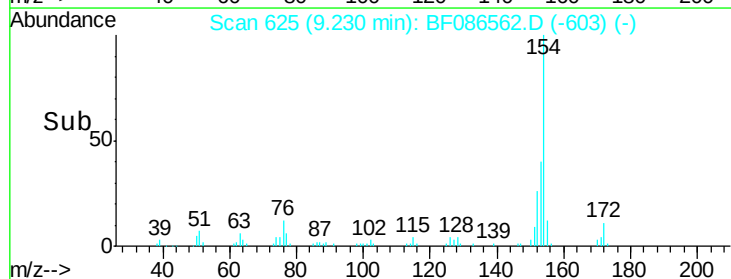
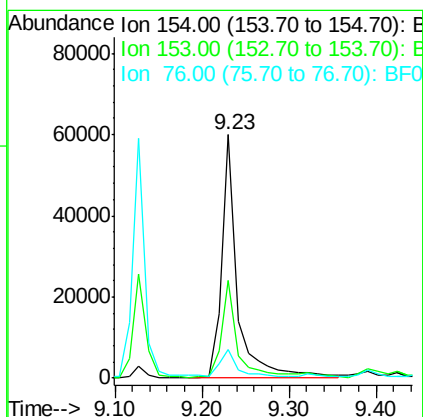
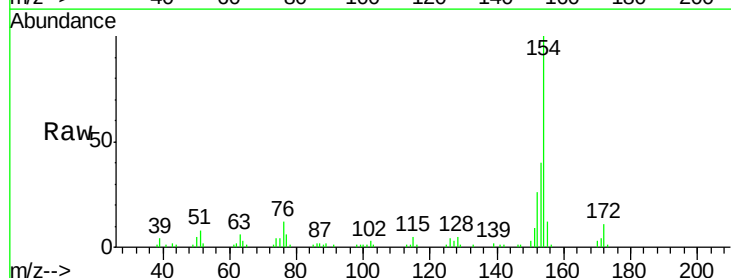
Instrument :
 BNA_F
 ClientSampleId :
 TEC-B4COMP

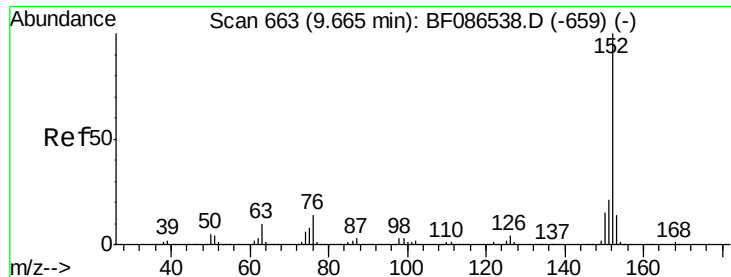
Tgt Ion:172 Resp: 1442410
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.0 43.6
 170 24.9 19.8 29.8



#45
 1,1'-Biphenyl
 Concen: 3.34 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.05 min
 Lab File: BF086562.D
 Acq: 1 May 2016 10:26

Tgt Ion:154 Resp: 77203
 Ion Ratio Lower Upper
 154 100
 153 40.2 20.3 60.3
 76 11.8 0.0 30.2





#48

Acenaphthylene

Concen: 11.40 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.05 min

Lab File: BF086562.D

Acq: 1 May 2016 10:26

Instrument :

BNA_F

ClientSampleId :

TEC-B4COMP

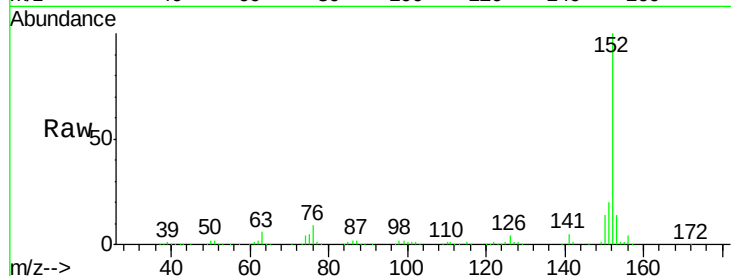
Tgt Ion:152 Resp: 313577

Ion Ratio Lower Upper

152 100

151 19.8 16.8 25.2

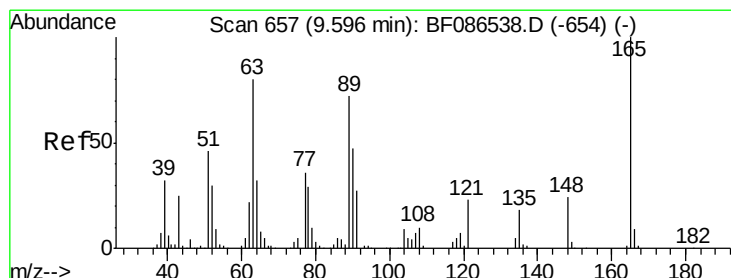
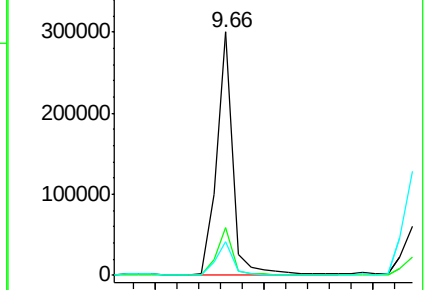
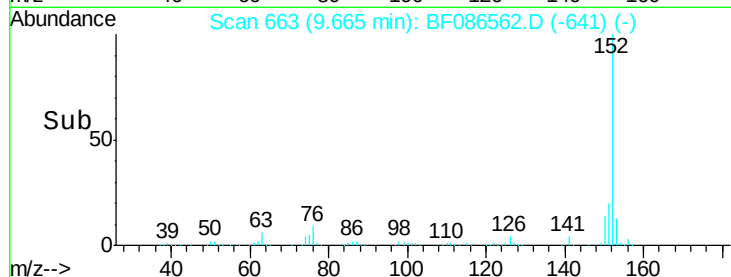
153 13.6 10.9 16.3



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: 8.63 ng

RT: 9.80 min Scan# 675

Delta R.T. 0.16 min

Lab File: BF086562.D

Acq: 1 May 2016 10:26

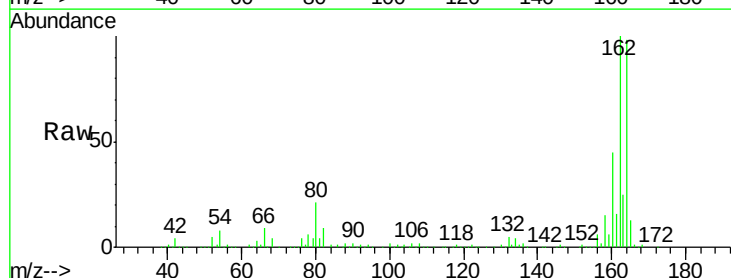
Tgt Ion:165 Resp: 37172

Ion Ratio Lower Upper

165 100

63 2.4 51.8 77.8#

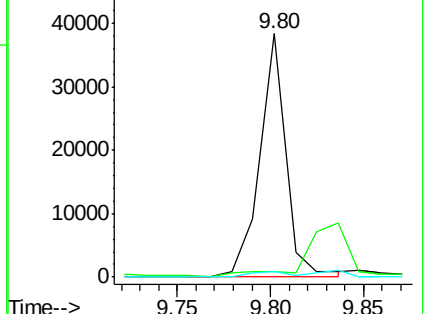
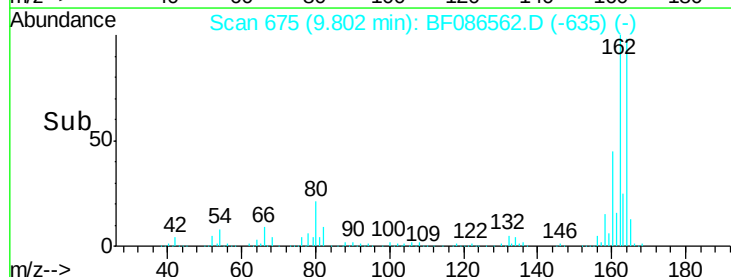
89 2.1 50.7 76.1#

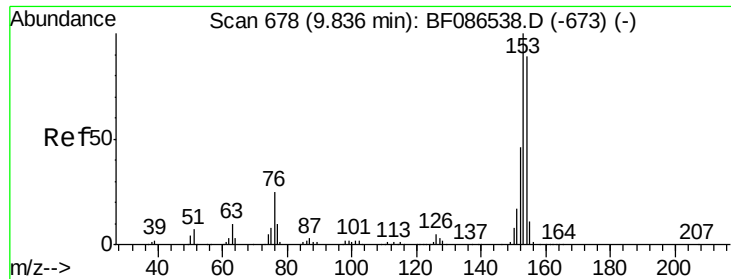


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 6.80 ng

RT: 9.84 min Scan# 678

Delta R.T. -0.05 min

Lab File: BF086562.D

Acq: 1 May 2016 10:26

Instrument :

BNA_F

ClientSampleId :

TEC-B4COMP

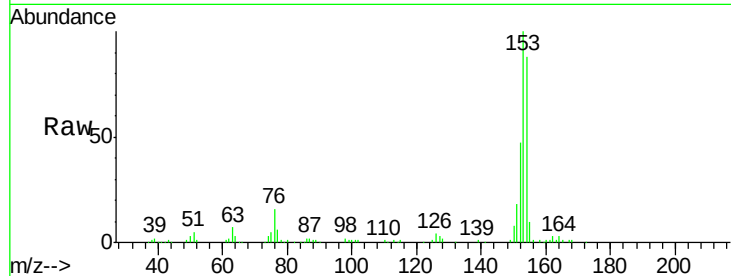
Tgt Ion:154 Resp: 120100

Ion Ratio Lower Upper

154 100

153 114.2 89.8 134.6

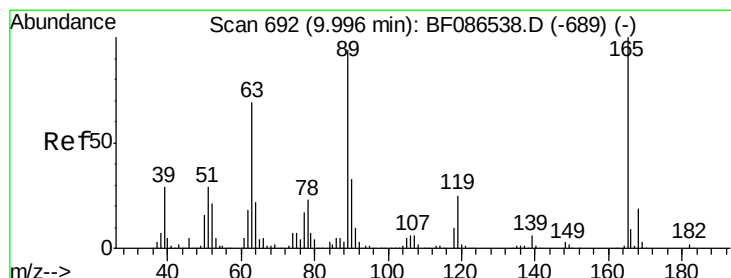
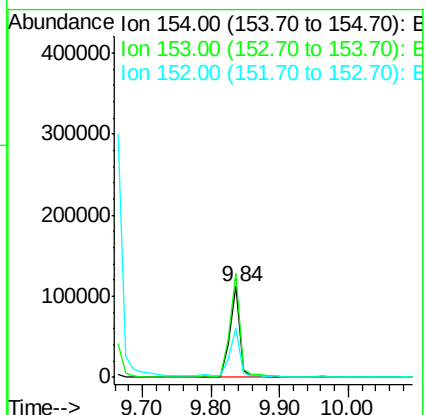
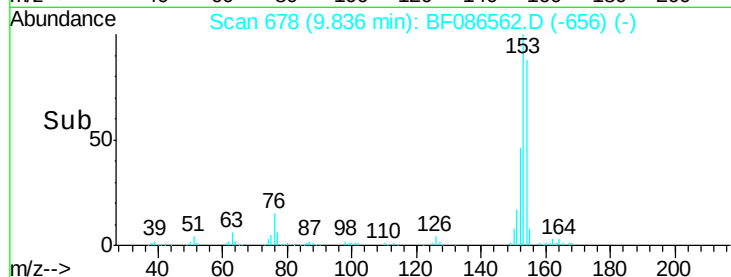
152 53.3 43.4 65.0



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: 7.14 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.24 min

Lab File: BF086562.D

Acq: 1 May 2016 10:26

Tgt Ion:165 Resp: 39167

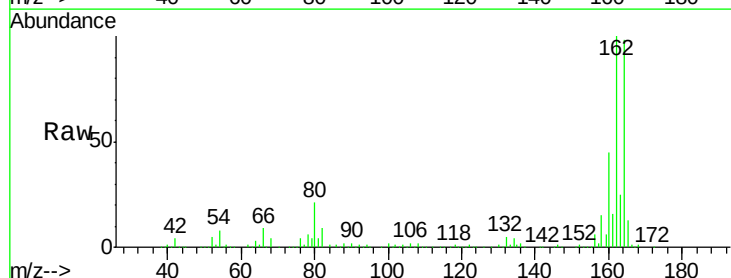
Ion Ratio Lower Upper

165 100

63 2.4 44.3 66.5#

89 2.1 70.0 105.0#

182 0.0 1.8 2.6#

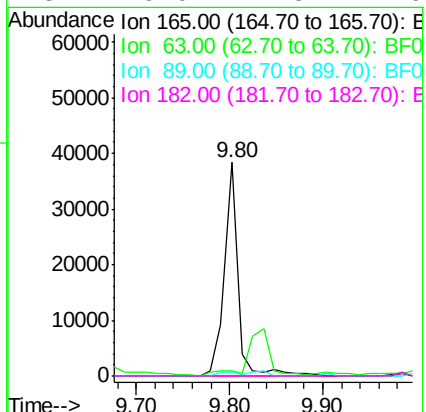
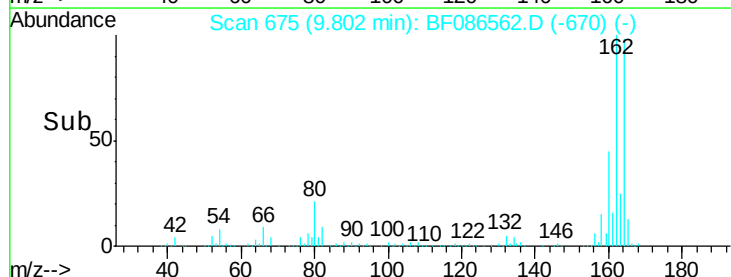


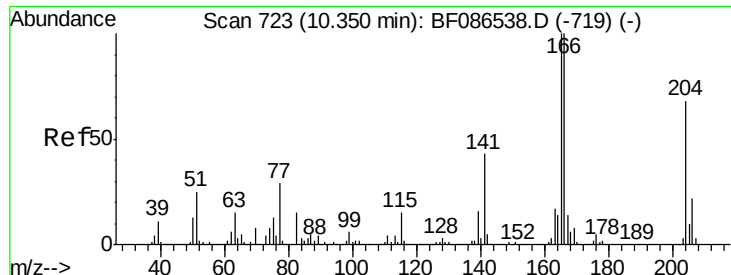
Abundance Ion 165.00 (164.70 to 165.70): E

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

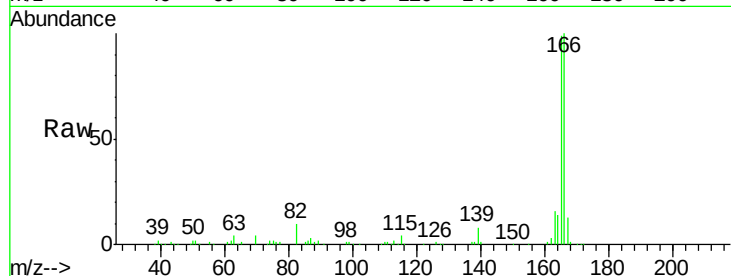




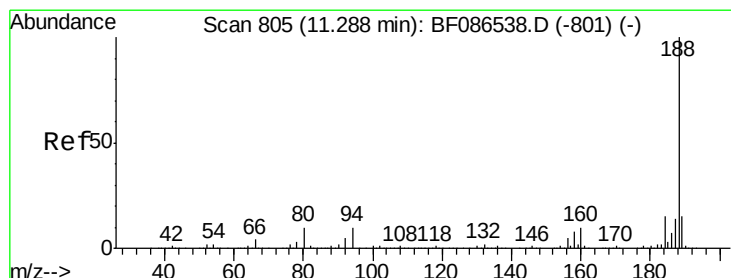
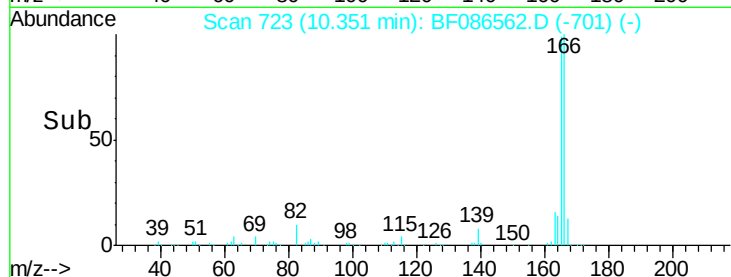
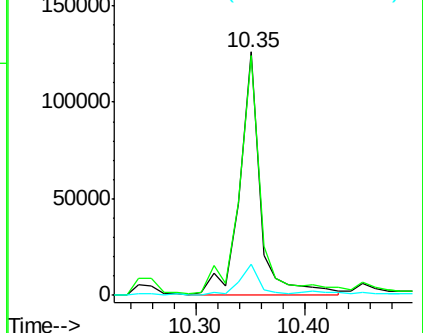
#57
Fluorene
 Concen: 8.41 ng
 RT: 10.35 min Scan# 723
 Delta R.T. -0.05 min
 Lab File: BF086562.D
 Acq: 1 May 2016 10:26

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B4COMP

Tgt Ion:166 Resp: 161209
 Ion Ratio Lower Upper
 166 100
 165 98.7 79.0 118.6
 167 13.0 10.6 15.8

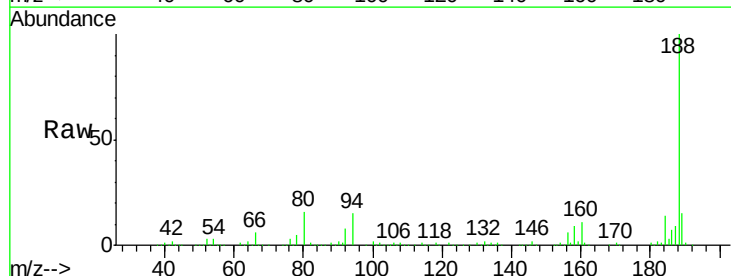


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

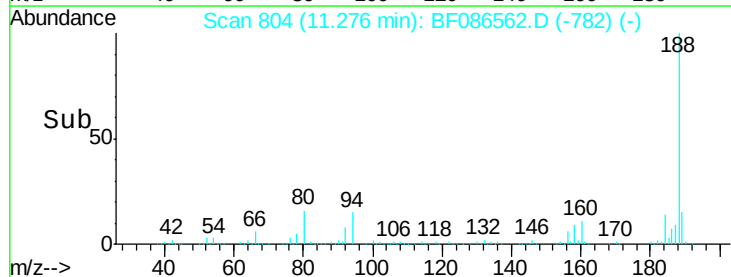
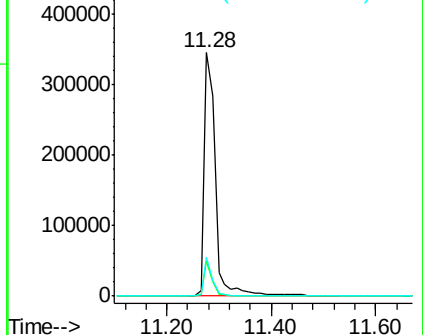


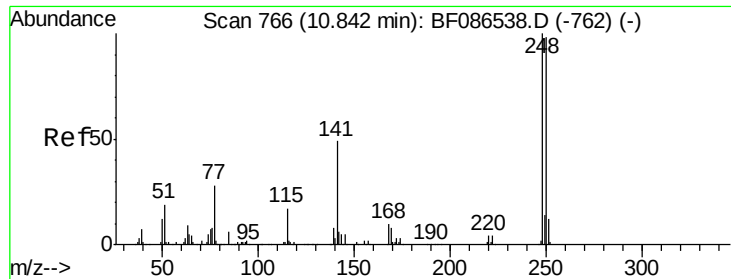
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.28 min Scan# 804
 Delta R.T. -0.05 min
 Lab File: BF086562.D
 Acq: 1 May 2016 10:26

Tgt Ion:188 Resp: 517071
 Ion Ratio Lower Upper
 188 100
 94 14.6 6.8 10.2#
 80 15.9 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

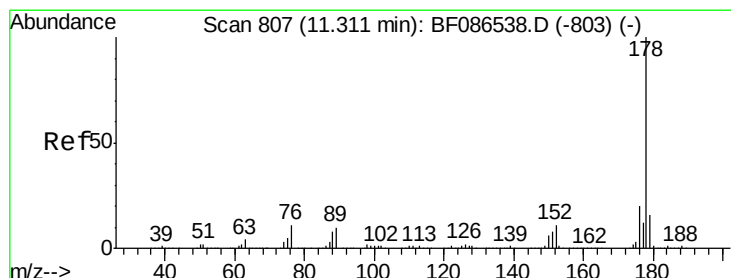
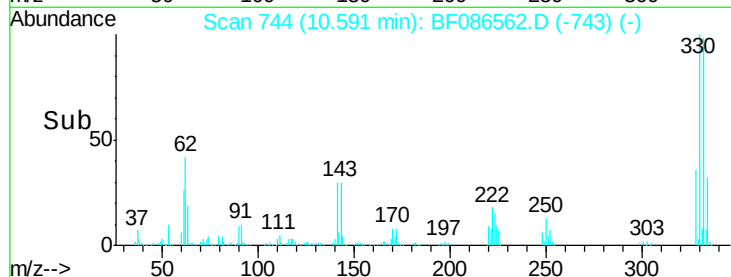
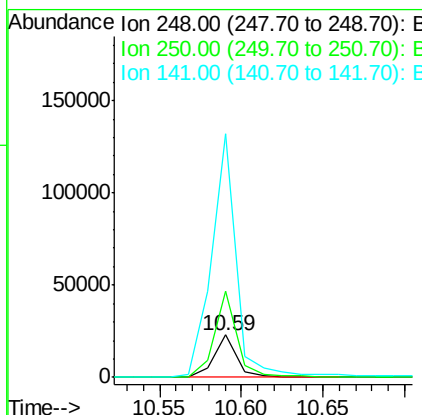
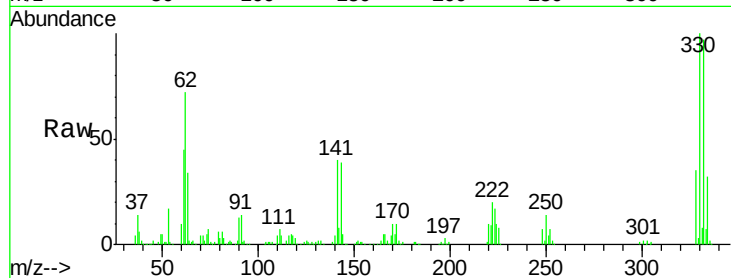




#66
 4-Bromophenyl-phenylether
 Concen: 4.21 ng
 RT: 10.59 min Scan# 744
 Delta R.T. -0.29 min
 Lab File: BF086562.D
 Acq: 1 May 2016 10:26

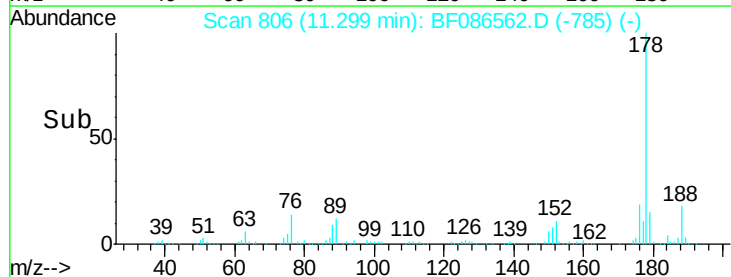
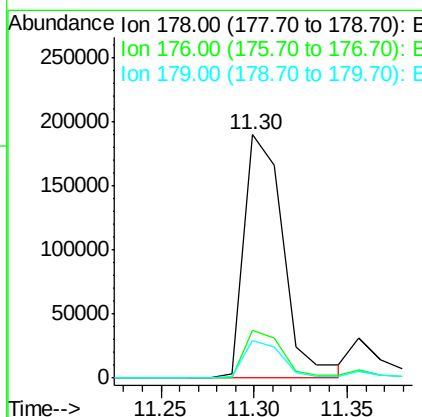
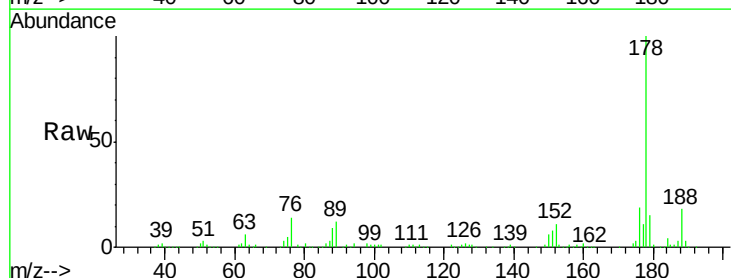
Instrument :
 BNA_F
 ClientSampleId :
 TEC-B4COMP

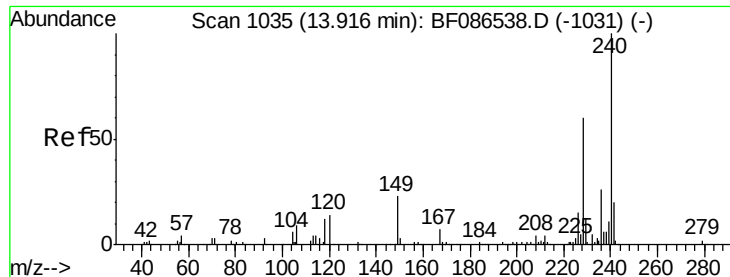
Tgt Ion:248 Resp: 22405
 Ion Ratio Lower Upper
 248 100
 250 204.0 78.6 117.8#
 141 574.4 76.0 114.0#



#70
 Phenanthrene
 Concen: 10.22 ng
 RT: 11.30 min Scan# 806
 Delta R.T. -0.06 min
 Lab File: BF086562.D
 Acq: 1 May 2016 10:26

Tgt Ion:178 Resp: 277450
 Ion Ratio Lower Upper
 178 100
 176 19.4 16.0 24.0
 179 15.3 12.6 18.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.06 min

Lab File: BF086562.D

Acq: 1 May 2016 10:26

Instrument :

BNA_F

ClientSampleId :

TEC-B4COMP

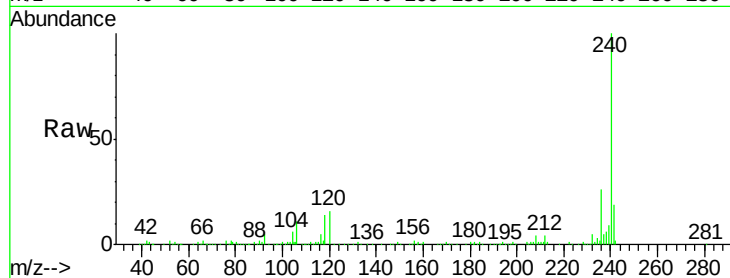
Tgt Ion:240 Resp: 345026

Ion Ratio Lower Upper

240 100

120 16.3 11.2 16.8

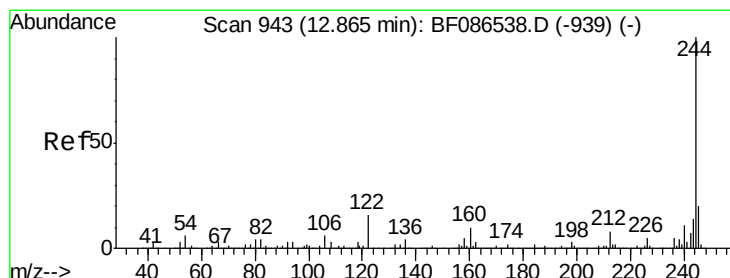
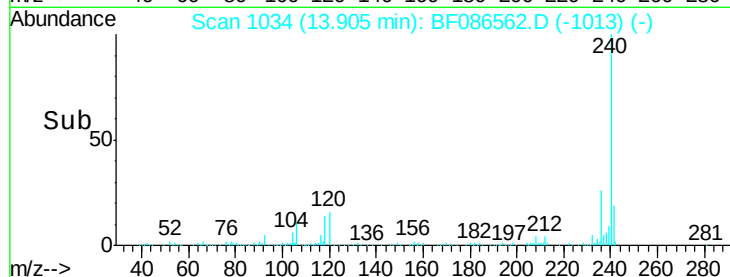
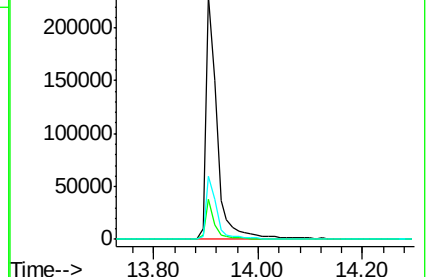
236 26.1 21.2 31.8



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: 87.39 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.05 min

Lab File: BF086562.D

Acq: 1 May 2016 10:26

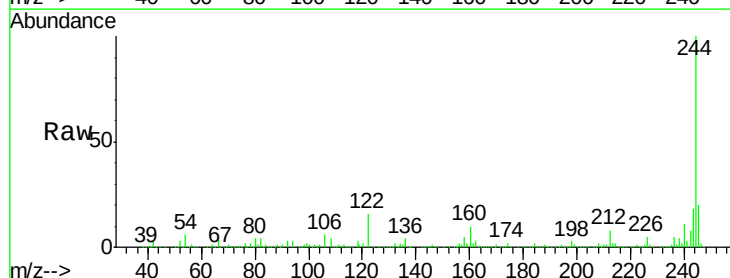
Tgt Ion:244 Resp: 1368542

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

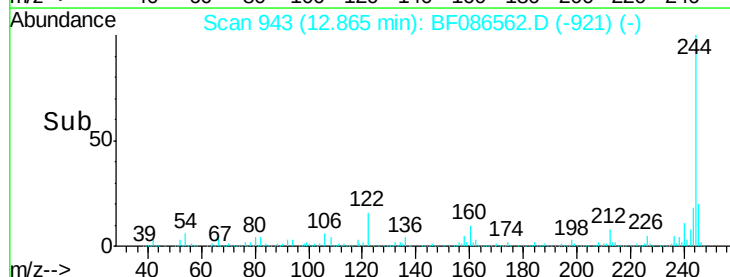
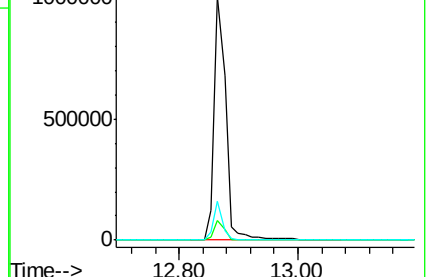
122 16.0 12.0 18.0

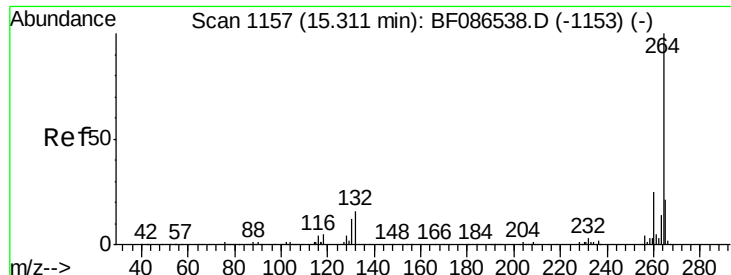


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

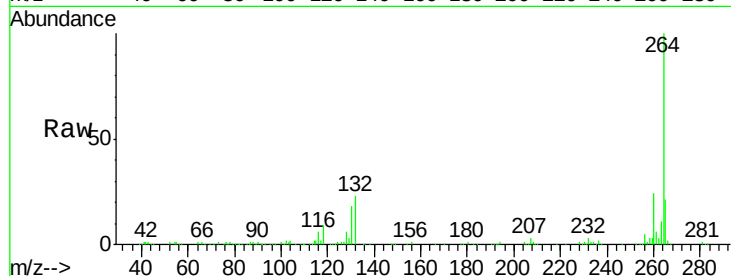




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.06 min
Lab File: BF086562.D
Acq: 1 May 2016 10:26

Instrument :
BNA_F
ClientSampleId :
TEC-B4COMP

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	21.1	17.3	25.9



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

