

Data Path : Z:\HPCHEM1\BNA_F\Data\BF050616\
 Data File : BF086756.D
 Acq On : 7 May 2016 6:37
 Operator : UM/SJ
 Sample : H2762-11RE
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B3COMPRES

Quant Time: May 07 23:00:17 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 15:12:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	201140	40.00	ng	-0.03
21) Naphthalene-d8	8.00	136	698277	40.00	ng	-0.03
38) Acenaphthene-d10	9.73	164	183010	40.00	ng	-0.05
63) Phenanthrene-d10	11.22	188	569302	40.00	ng	-0.03
75) Chrysene-d12	13.85	240	225142	40.00	ng	-0.03
86) Perylene-d12	15.23	264	9357	40.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1430242	117.72	ng	0.01
7) Phenol-d6	6.37	99	1180245	72.11	ng	0.00
23) Nitrobenzene-d5	7.28	82	1276969	93.97	ng	-0.03
41) 2,4,6-Tribromophenol	10.53	330	558832	312.15	ng	-0.03
44) 2-Fluorobiphenyl	9.07	172	2059957	184.51	ng	-0.03
78) Terphenyl-d14	12.81	244	1519735	136.42	ng	-0.03

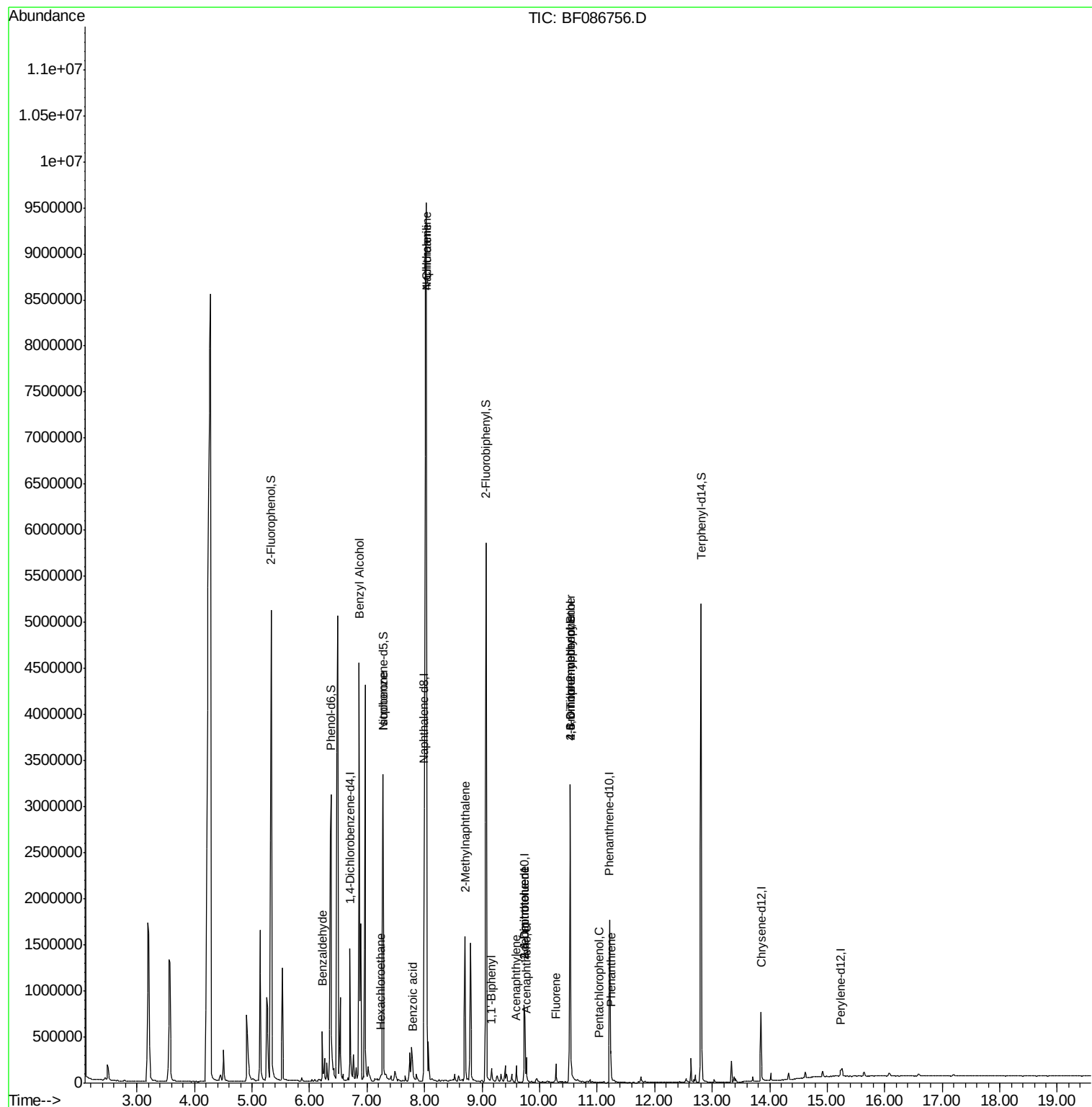
Target Compounds						Qvalue
9) Benzaldehyde	6.22	77	24984	3.06	ng	# 1
15) Benzyl Alcohol	6.86	79	26696	2.52	ng	# 42
18) Hexachloroethane	7.24	117	23887	3.95	ng	# 21
25) Isophorone	7.28	82	987829	39.04	ng	# 68
31) Naphthalene	8.03	128	7867866	220.54	ng	# 92
32) Benzoic acid	7.80	122	6088	9.59	ng	# 21
33) 4-Chloroaniline	8.03	127	1224235	88.58	ng	# 36
37) 2-Methylnaphthalene	8.70	142	484993	23.04	ng	98
45) 1,1'-Biphenyl	9.16	154	67450	4.51	ng	95
48) Acenaphthylene	9.60	152	78146	4.56	ng	# 95
50) 2,6-Dinitrotoluene	9.73	165	24734	8.45	ng	# 25
51) Acenaphthene	9.77	154	64347	5.69	ng	98
56) 2,4-Dinitrotoluene	9.73	165	25495	7.03	ng	# 20
57) Fluorene	10.28	166	67095	5.91	ng	93
64) 4,6-Dinitro-2-methylphenol	10.53	198	1477	5.80	ng	# 1
66) 4-Bromophenyl-phenylether	10.53	248	34798	6.15	ng	# 1
69) Pentachlorophenol	11.04	266	326	5.91	ng	# 17
70) Phenanthrene	11.24	178	119846	3.92	ng	98

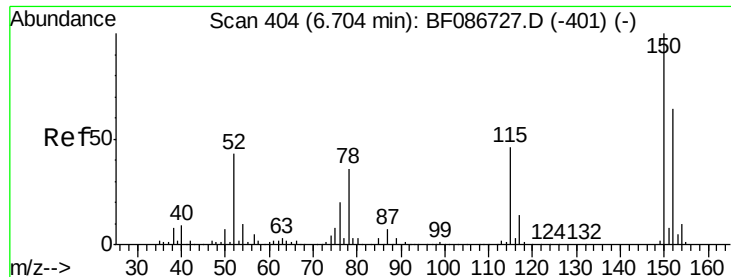
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\Data\BF050616\
Data File : BF086756.D
Acq On : 7 May 2016 6:37
Operator : UM/SJ
Sample : H2762-11RE
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TEC-B3COMP

Quant Time: May 07 23:00:17 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 04 15:12:53 2016
Response via : Initial Calibration

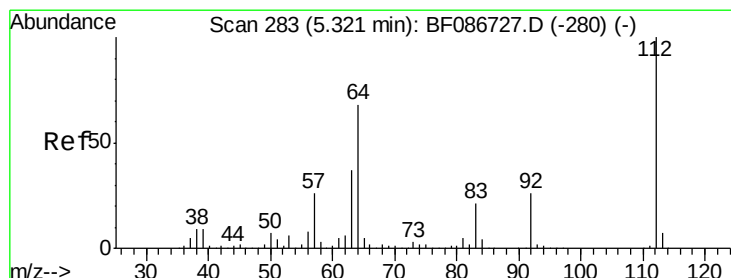
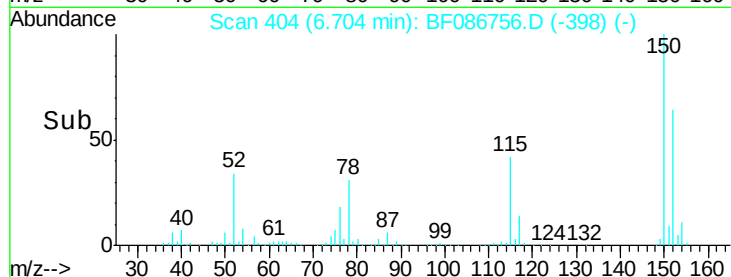
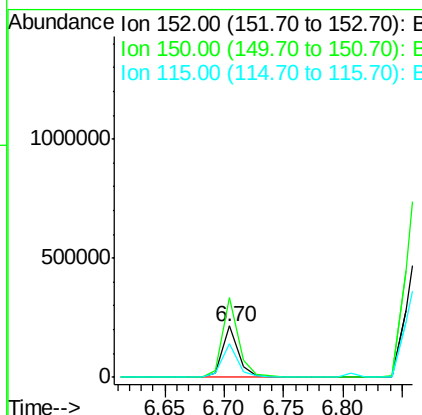
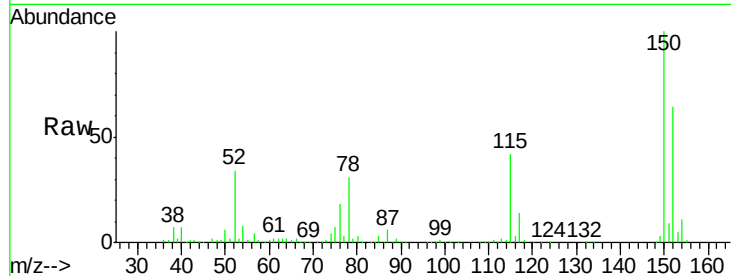




#1
 1,4-Dichlorobenzene-d4
 Concen: 40.00 ng
 RT: 6.70 min Scan# 404
 Delta R.T. -0.03 min
 Lab File: BF086756.D
 Acq: 7 May 2016 6:37

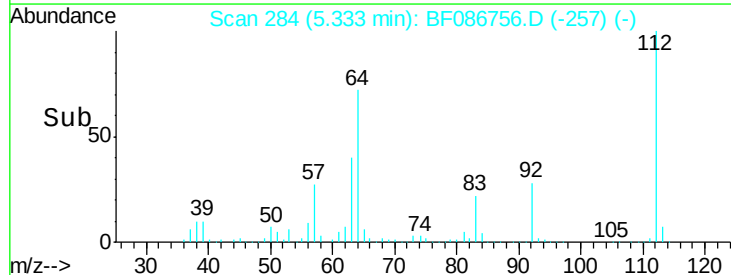
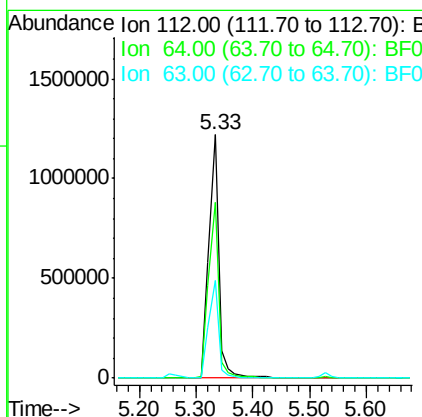
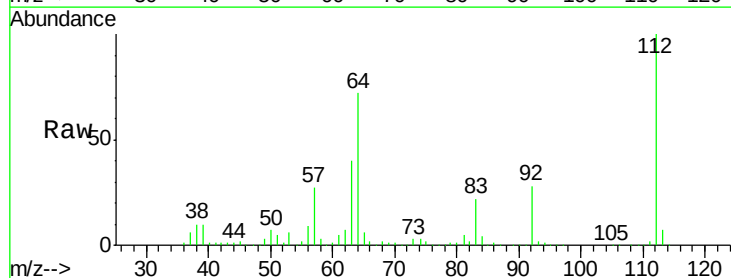
Instrument :
 BNA_F
 ClientSampleId :
 TEC-B3COMP

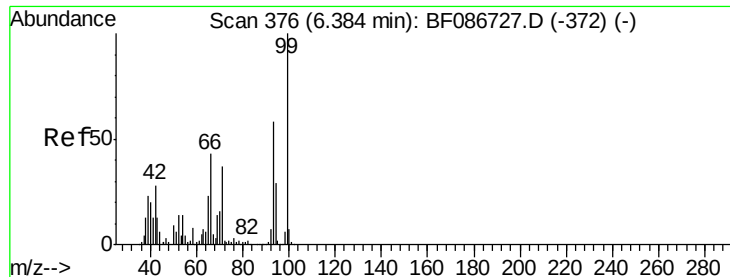
Tgt Ion:152 Resp: 201140
 Ion Ratio Lower Upper
 152 100
 150 156.1 125.8 188.6
 115 65.6 51.5 77.3



#5
 2-Fluorophenol
 Concen: 117.72 ng
 RT: 5.33 min Scan# 284
 Delta R.T. 0.01 min
 Lab File: BF086756.D
 Acq: 7 May 2016 6:37

Tgt Ion:112 Resp: 1430242
 Ion Ratio Lower Upper
 112 100
 64 72.0 52.1 78.1
 63 40.1 25.7 38.5#





#7

Phenol-d6

Concen: 72.11 ng

RT: 6.37 min Scan# 375

Delta R.T. 0.00 min

Lab File: BF086756.D

Acq: 7 May 2016 6:37

Instrument :

BNA_F

ClientSampleId :

TEC-B3COMP

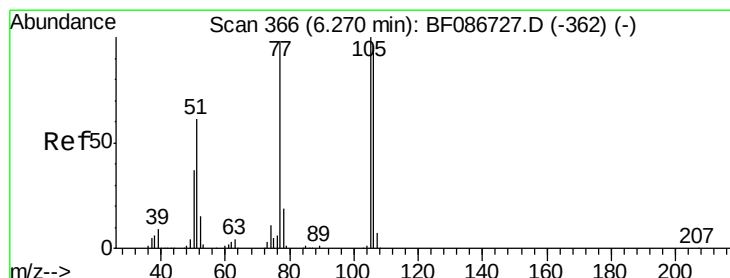
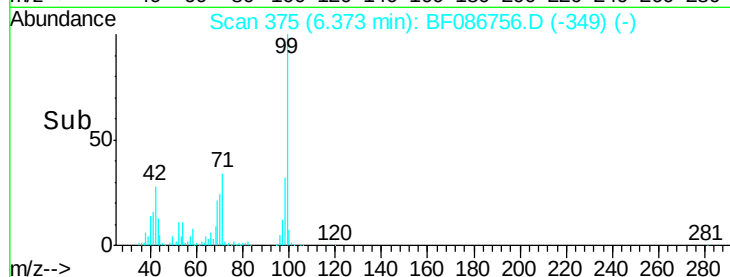
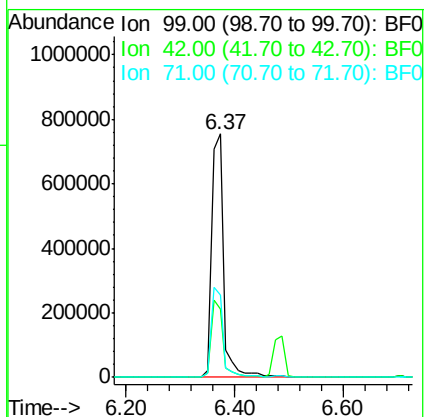
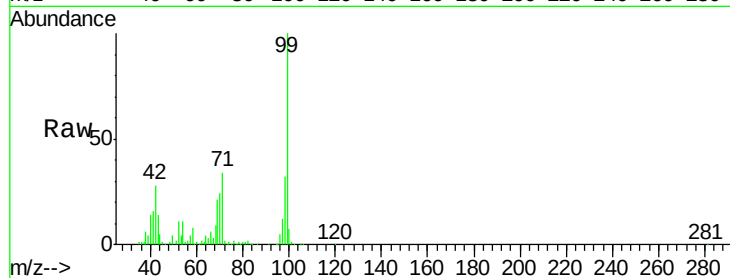
Tgt Ion: 99 Resp: 1180245

Ion Ratio Lower Upper

99 100

42 28.1 13.6 20.4#

71 33.7 24.6 36.8



#9

Benzaldehyde

Concen: 3.06 ng

RT: 6.22 min Scan# 362

Delta R.T. -0.06 min

Lab File: BF086756.D

Acq: 7 May 2016 6:37

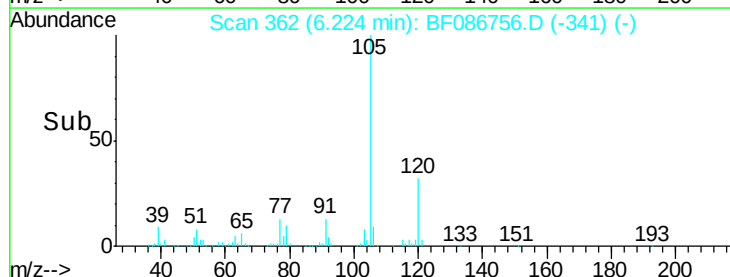
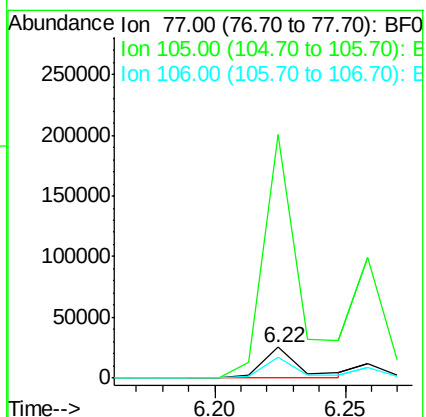
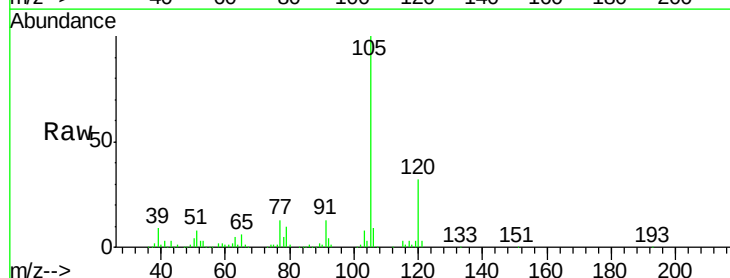
Tgt Ion: 77 Resp: 24984

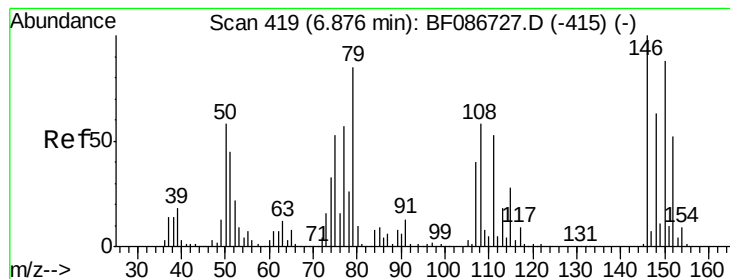
Ion Ratio Lower Upper

77 100

105 783.3 72.7 112.7#

106 67.7 70.8 110.8#





#15

Benzyl Alcohol

Concen: 2.52 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.02 min

Lab File: BF086756.D

Acq: 7 May 2016 6:37

Instrument :

BNA_F

ClientSampleId :

TEC-B3COMP

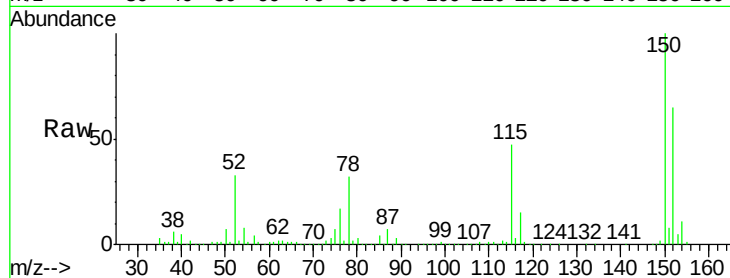
Tgt Ion: 79 Resp: 26696

Ion Ratio Lower Upper

79 100

108 33.5 68.4 102.6#

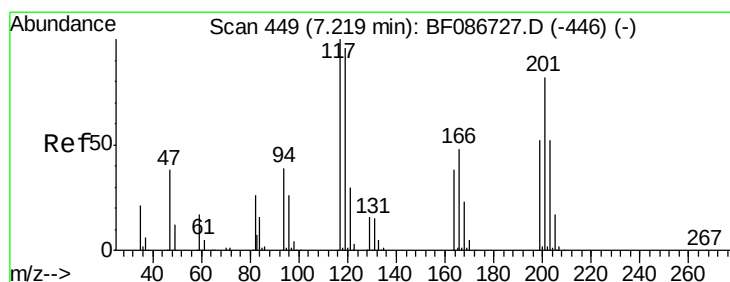
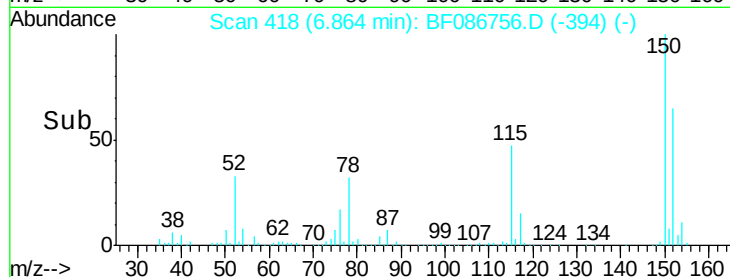
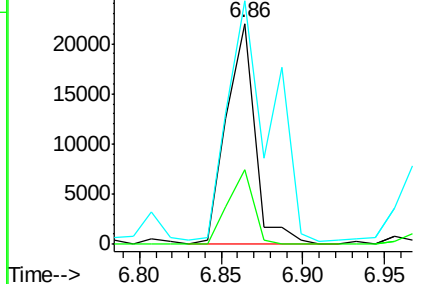
77 110.1 50.6 76.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0



#18

Hexachloroethane

Concen: 3.95 ng

RT: 7.24 min Scan# 451

Delta R.T. -0.01 min

Lab File: BF086756.D

Acq: 7 May 2016 6:37

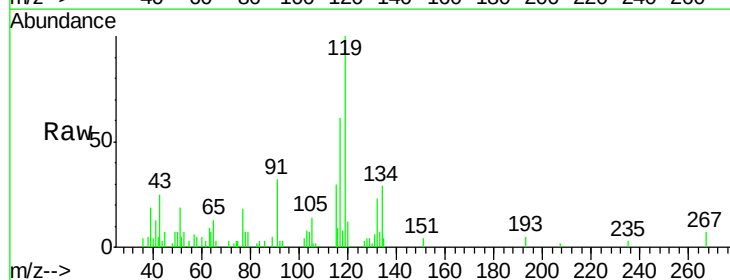
Tgt Ion: 117 Resp: 23887

Ion Ratio Lower Upper

117 100

119 163.1 76.5 114.7#

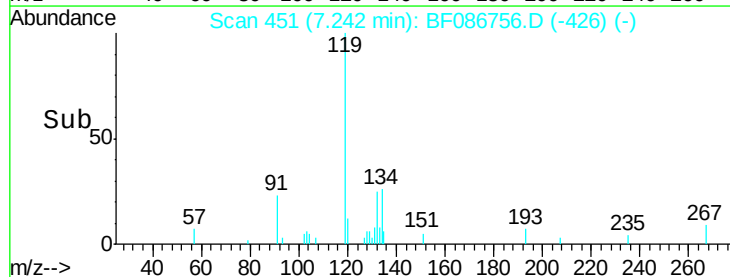
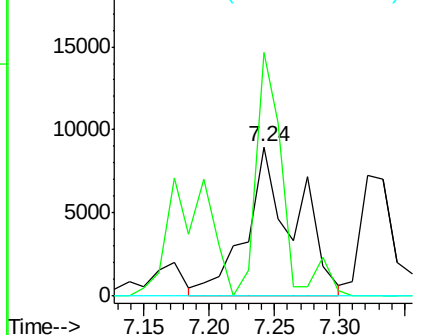
201 0.0 63.0 94.6#

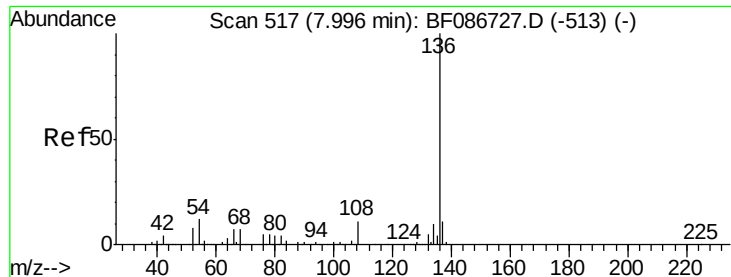


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 40.00 ng

RT: 8.00 min Scan# 517

Delta R.T. -0.03 min

Lab File: BF086756.D

Acq: 7 May 2016 6:37

Instrument :

BNA_F

ClientSampleId :

TEC-B3COMP

Tgt Ion:136 Resp: 698277

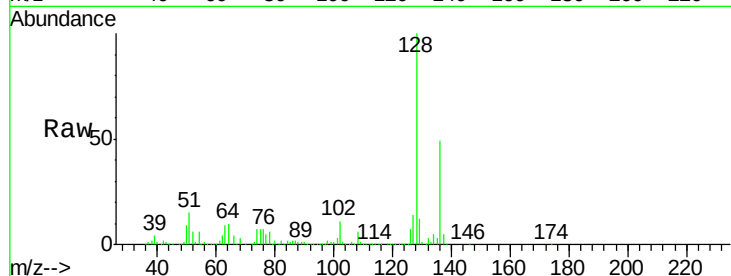
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 12.4 5.0 7.4#

68 7.0 4.4 6.6#

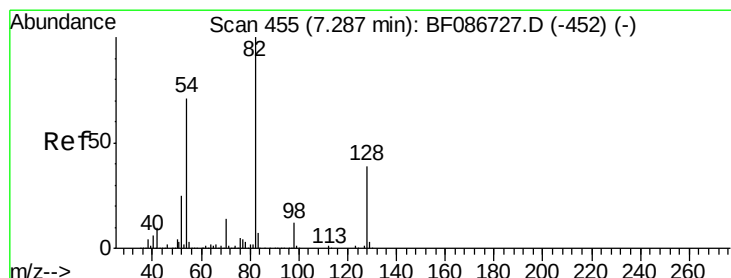
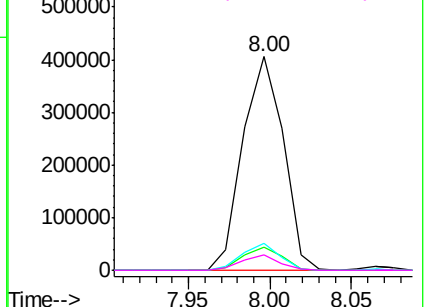
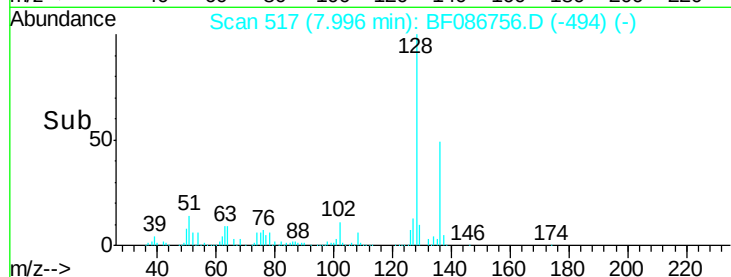


Abundance Ion 136.00 (135.70 to 136.70): E

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: 93.97 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.03 min

Lab File: BF086756.D

Acq: 7 May 2016 6:37

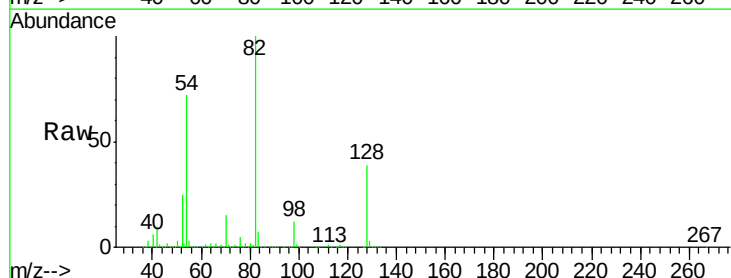
Tgt Ion: 82 Resp: 1276969

Ion Ratio Lower Upper

82 100

128 39.2 40.6 61.0#

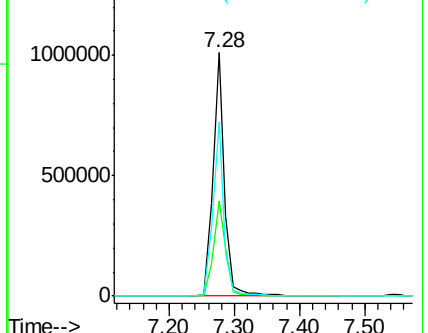
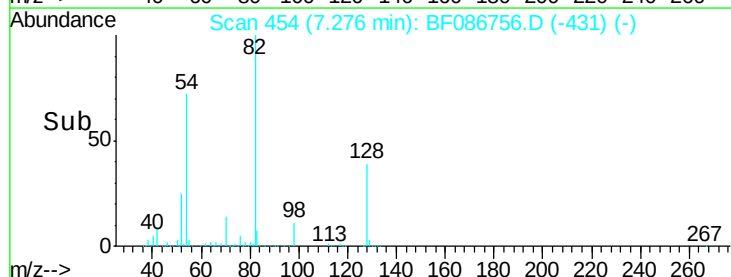
54 71.9 38.1 57.1#

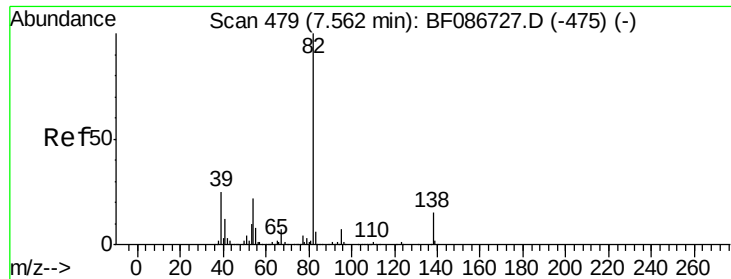


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 39.04 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.30 min

Lab File: BF086756.D

Acq: 7 May 2016 6:37

Instrument :

BNA_F

ClientSampleId :

TEC-B3COMP

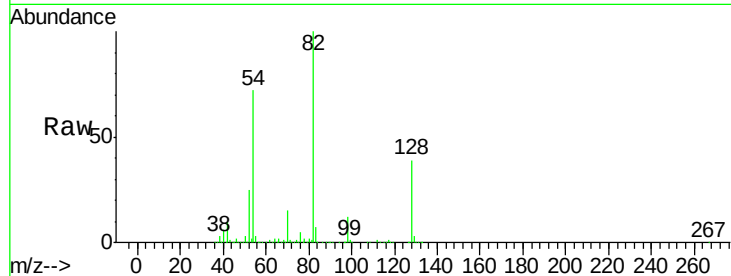
Tgt Ion: 82 Resp: 987829

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

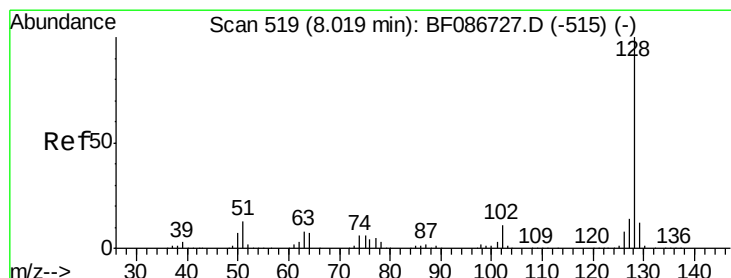
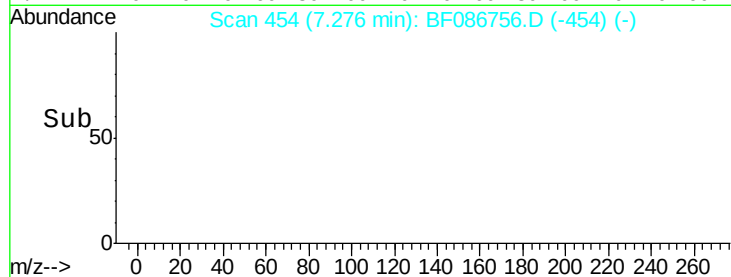
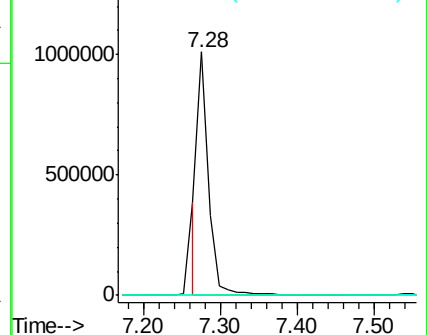
138 0.0 12.4 18.6#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#31

Naphthalene

Concen: 220.54 ng

RT: 8.03 min Scan# 520

Delta R.T. -0.01 min

Lab File: BF086756.D

Acq: 7 May 2016 6:37

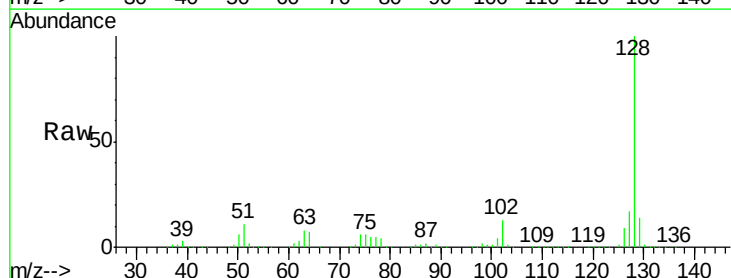
Tgt Ion: 128 Resp: 7867866

Ion Ratio Lower Upper

128 100

129 13.5 8.6 13.0#

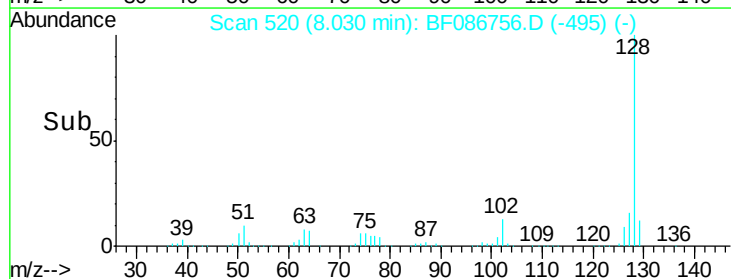
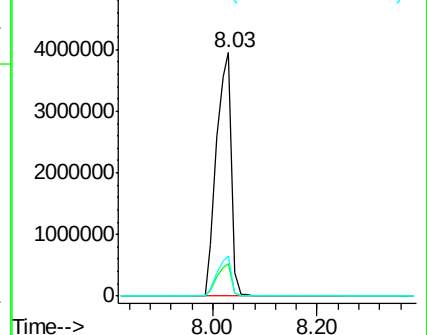
127 16.7 10.8 16.2#

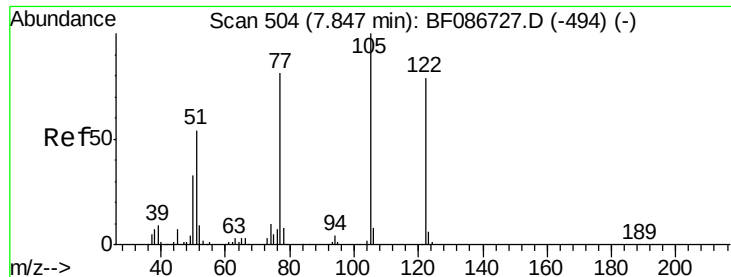


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 9.59 ng

RT: 7.80 min Scan# 500

Delta R.T. 0.00 min

Lab File: BF086756.D

Acq: 7 May 2016 6:37

Instrument :

BNA_F

ClientSampleId :

TEC-B3COMP

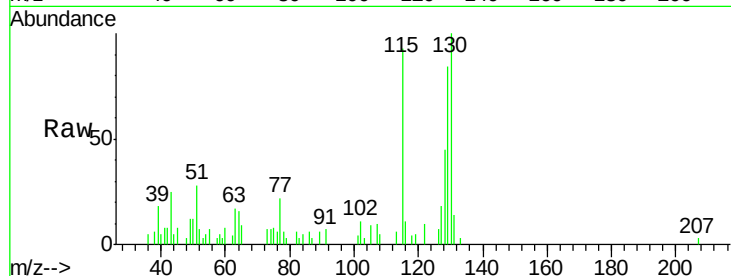
Tgt Ion:122 Resp: 6088

Ion Ratio Lower Upper

122 100

105 92.8 92.6 132.6

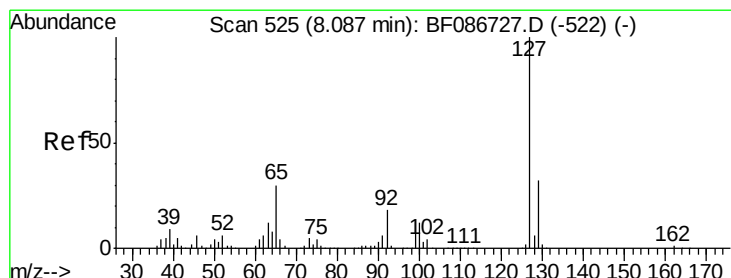
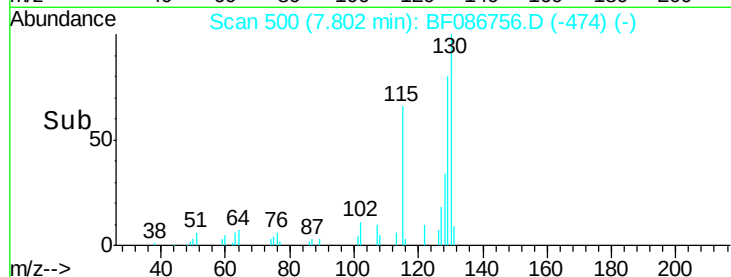
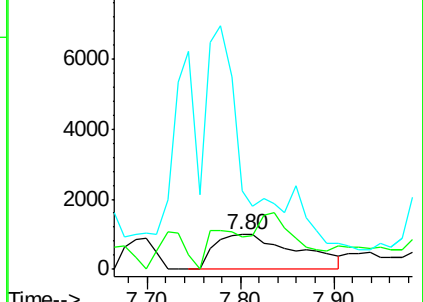
77 225.4 60.0 100.0#



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: 88.58 ng

RT: 8.03 min Scan# 520

Delta R.T. -0.07 min

Lab File: BF086756.D

Acq: 7 May 2016 6:37

Tgt Ion:127 Resp: 1224235

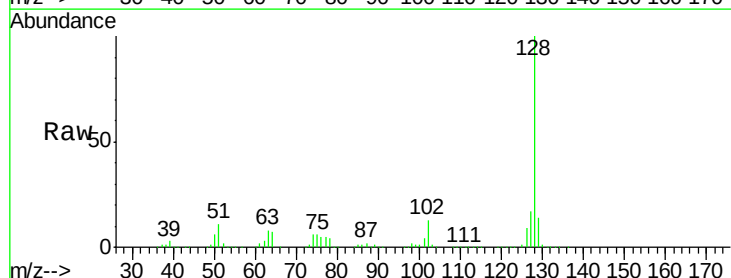
Ion Ratio Lower Upper

127 100

129 81.1 26.2 39.4#

65 0.0 23.0 34.4#

92 0.0 15.1 22.7#

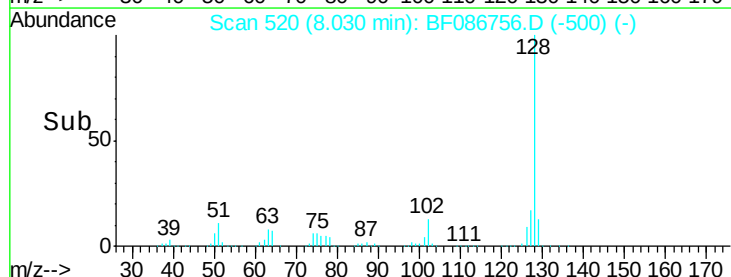
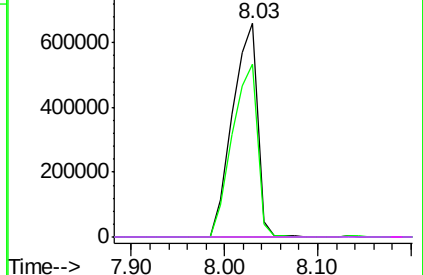


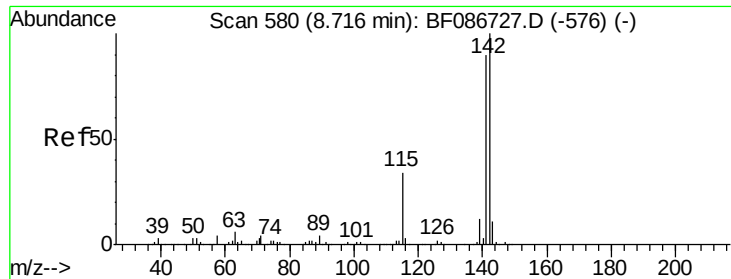
Abundance Ion 127.00 (126.70 to 127.70): E

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

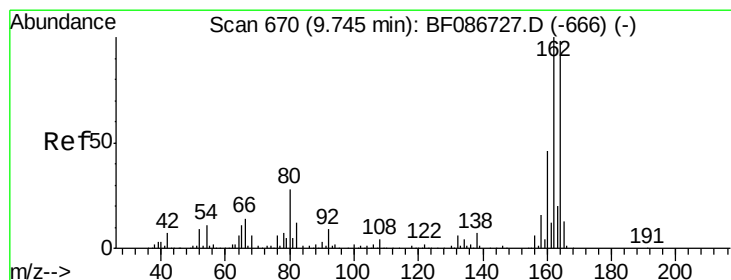
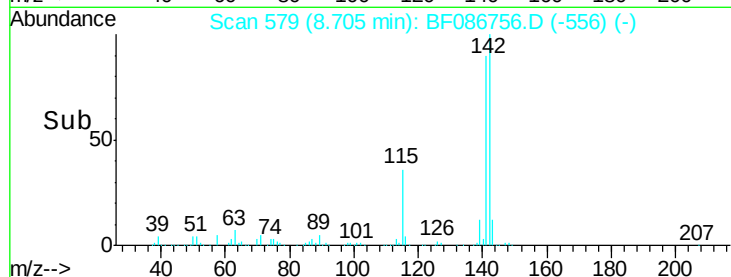
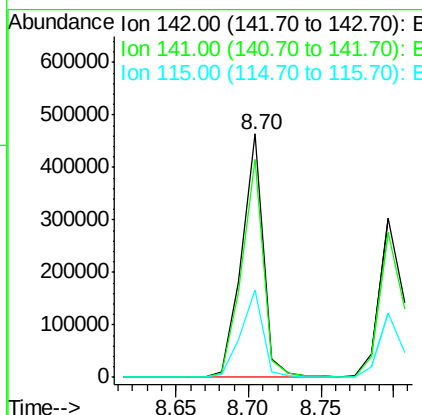
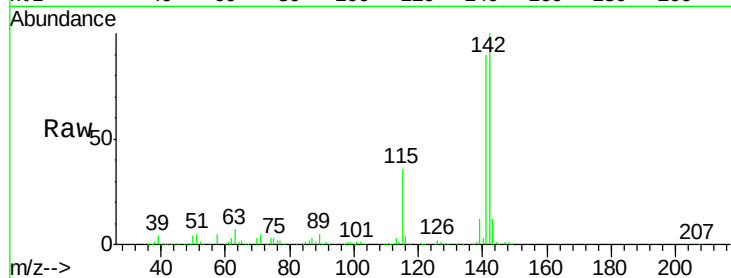




#37
 2-Methylnaphthalene
 Concen: 23.04 ng
 RT: 8.70 min Scan# 579
 Delta R.T. -0.03 min
 Lab File: BF086756.D
 Acq: 7 May 2016 6:37

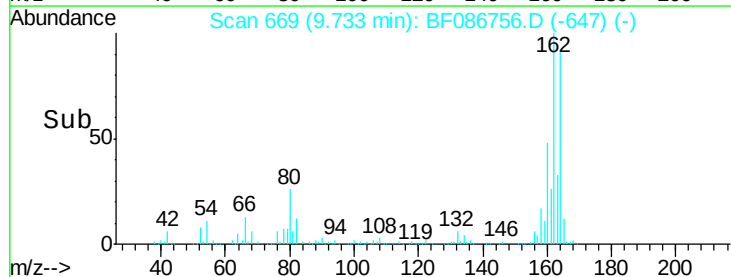
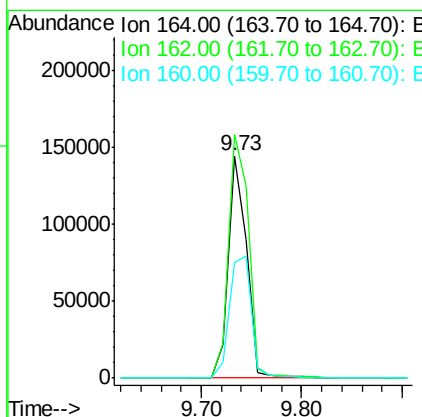
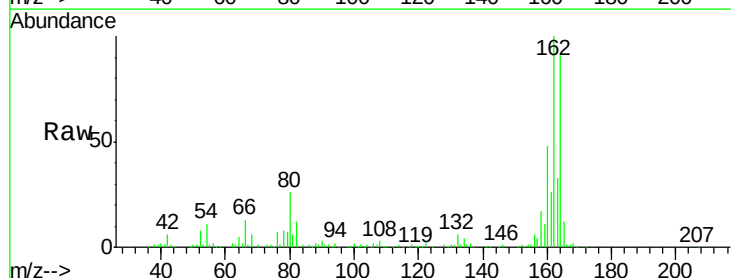
Instrument :
 BNA_F
 ClientSampleId :
 TEC-B3COMP

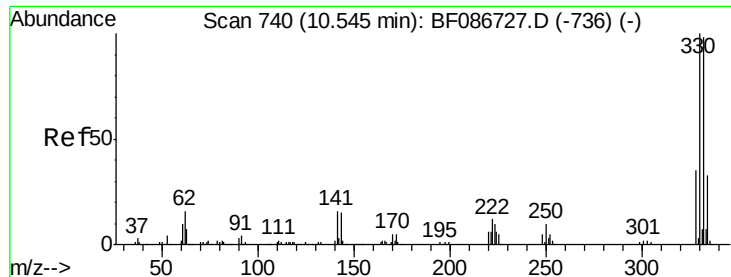
Tgt Ion:142 Resp: 484993
 Ion Ratio Lower Upper
 142 100
 141 89.6 71.0 106.6
 115 36.0 26.6 39.8



#38
 Acenaphthene-d10
 Concen: 40.00 ng
 RT: 9.73 min Scan# 669
 Delta R.T. -0.05 min
 Lab File: BF086756.D
 Acq: 7 May 2016 6:37

Tgt Ion:164 Resp: 183010
 Ion Ratio Lower Upper
 164 100
 162 109.6 82.8 124.2
 160 52.2 36.9 55.3

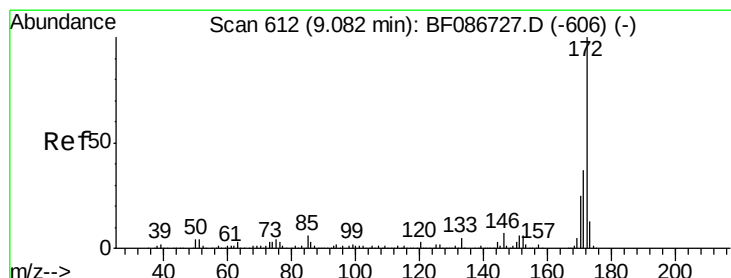
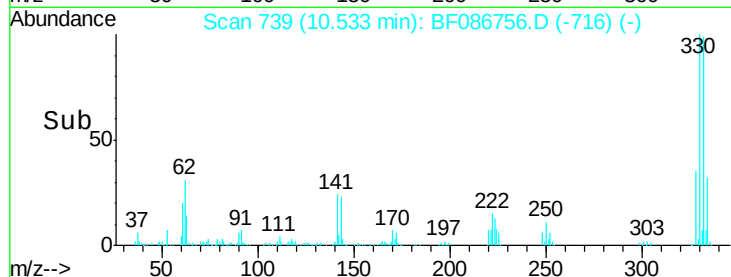
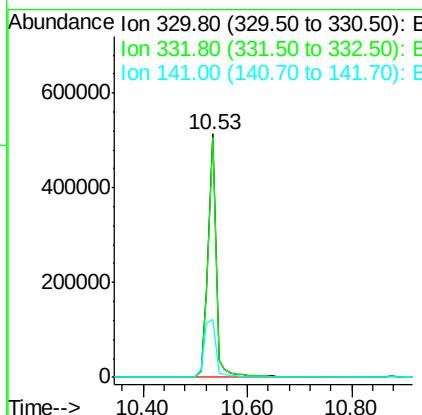
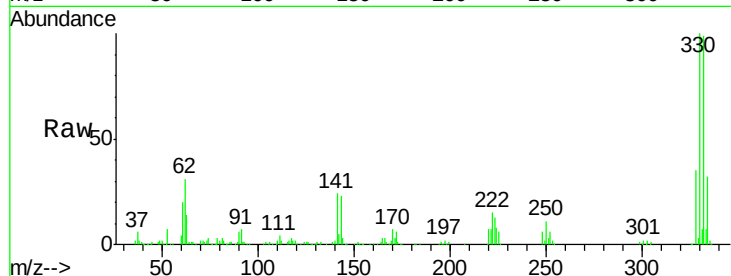




#41
 2,4,6-Tribromophenol
 Concen: 312.15 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.03 min
 Lab File: BF086756.D
 Acq: 7 May 2016 6:37

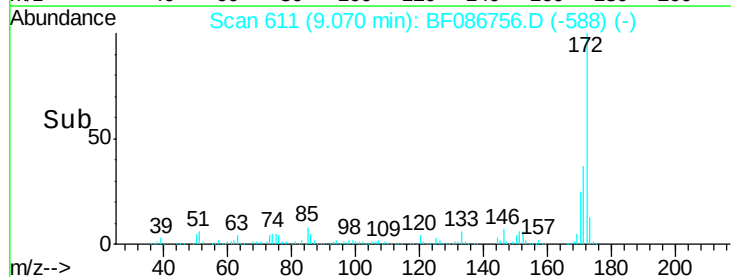
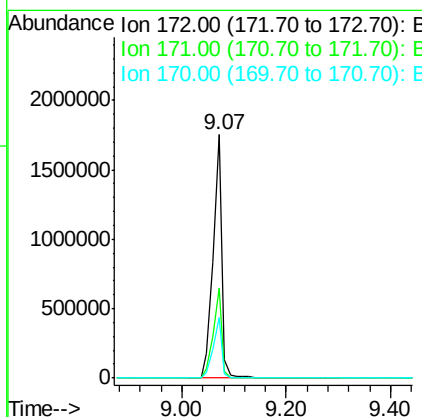
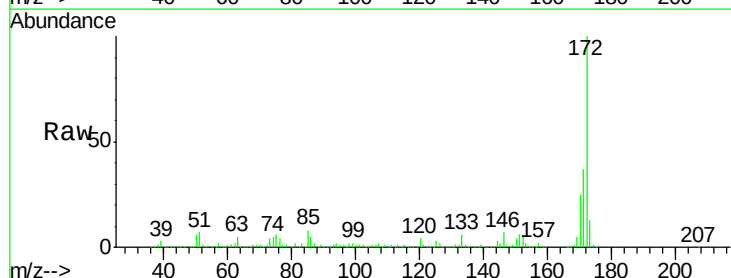
Instrument :
 BNA_F
 ClientSampleId :
 TEC-B3COMPRE

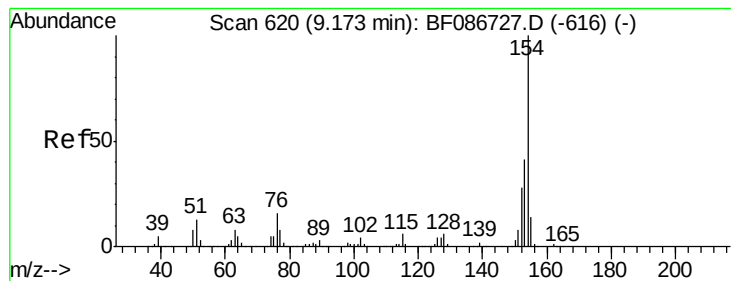
Tgt Ion:330 Resp: 558832
 Ion Ratio Lower Upper
 330 100
 332 97.7 79.0 118.4
 141 35.6 31.2 46.8



#44
 2-Fluorobiphenyl
 Concen: 184.51 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: BF086756.D
 Acq: 7 May 2016 6:37

Tgt Ion:172 Resp: 2059957
 Ion Ratio Lower Upper
 172 100
 171 37.2 29.0 43.6
 170 25.0 19.8 29.8





#45

1,1'-Biphenyl

Concen: 4.51 ng

RT: 9.16 min Scan# 619

Delta R.T. -0.05 min

Lab File: BF086756.D

Acq: 7 May 2016 6:37

Instrument :

BNA_F

ClientSampleId :

TEC-B3COMP

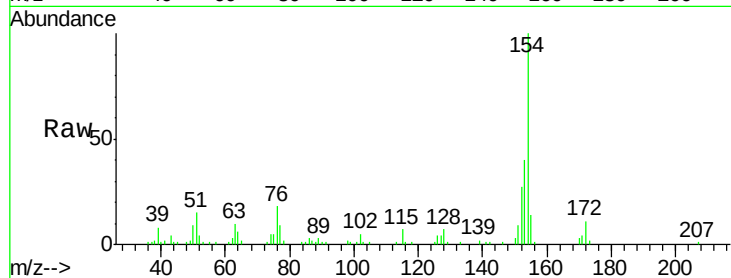
Tgt Ion:154 Resp: 67450

Ion Ratio Lower Upper

154 100

153 39.6 20.3 60.3

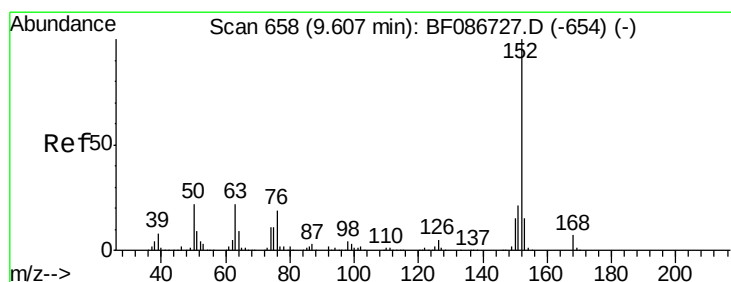
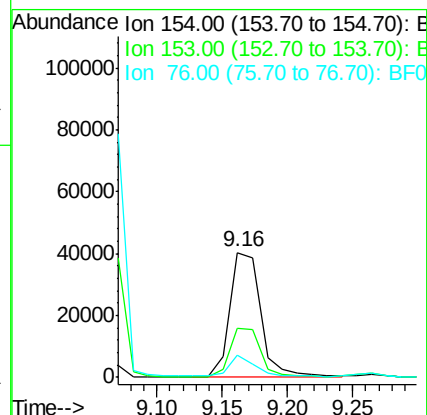
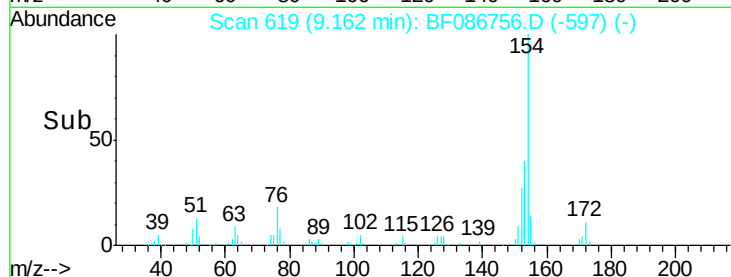
76 18.1 0.0 30.2



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: 4.56 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.05 min

Lab File: BF086756.D

Acq: 7 May 2016 6:37

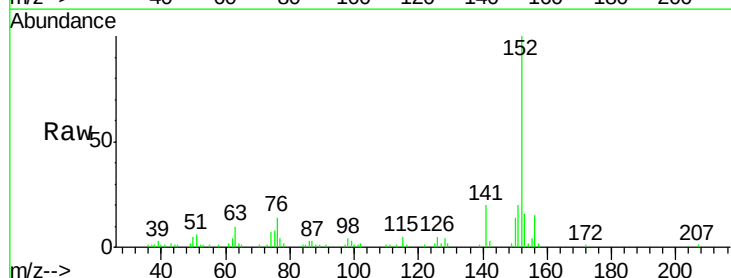
Tgt Ion:152 Resp: 78146

Ion Ratio Lower Upper

152 100

151 19.5 16.8 25.2

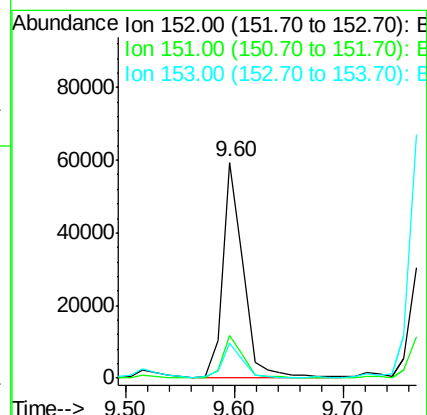
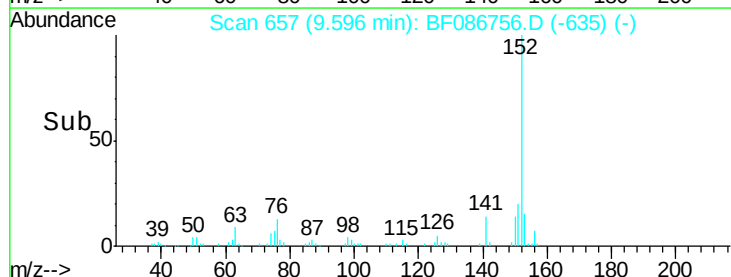
153 16.3 10.9 16.3#

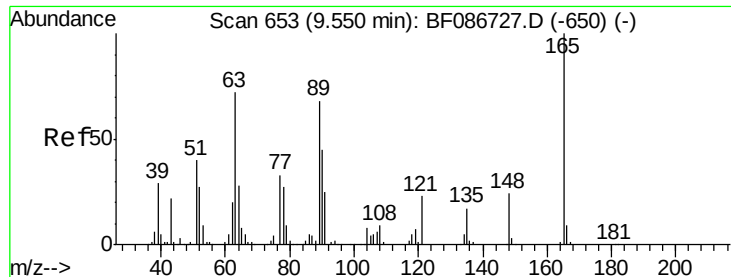


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

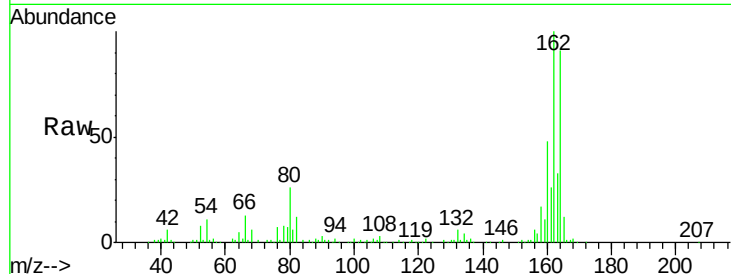




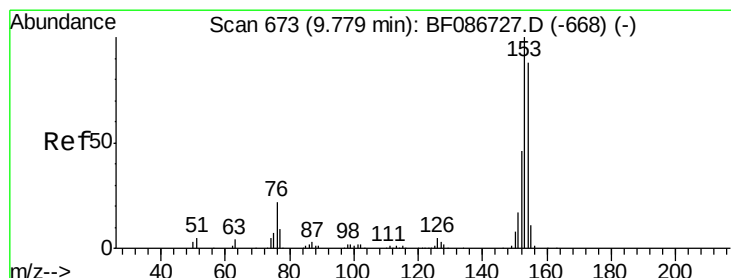
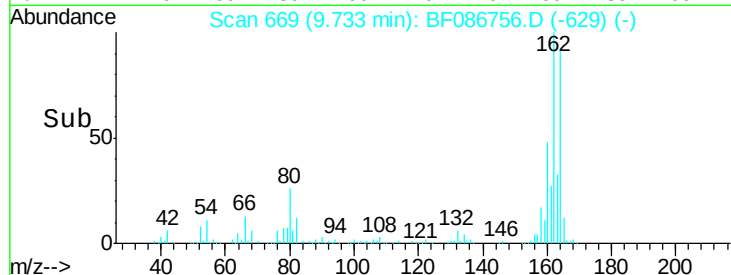
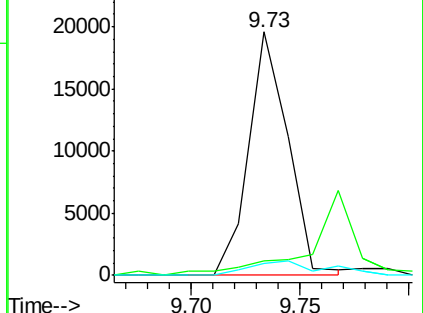
#50
 2,6-Dinitrotoluene
 Concen: 8.45 ng
 RT: 9.73 min Scan# 669
 Delta R.T. 0.16 min
 Lab File: BF086756.D
 Acq: 7 May 2016 6:37

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B3COMP

Tgt Ion:165 Resp: 24734
 Ion Ratio Lower Upper
 165 100
 63 5.8 51.8 77.8#
 89 4.8 50.7 76.1#

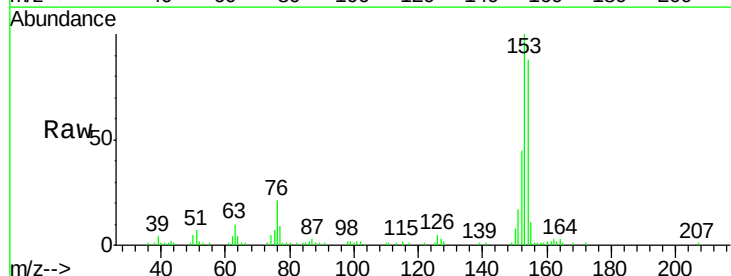


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

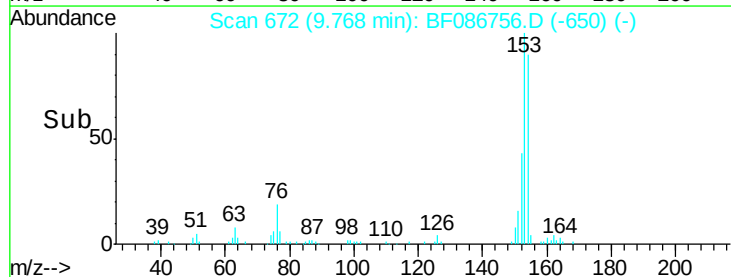
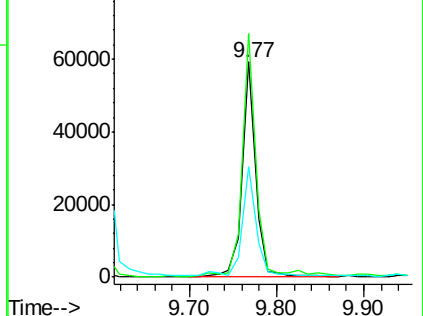


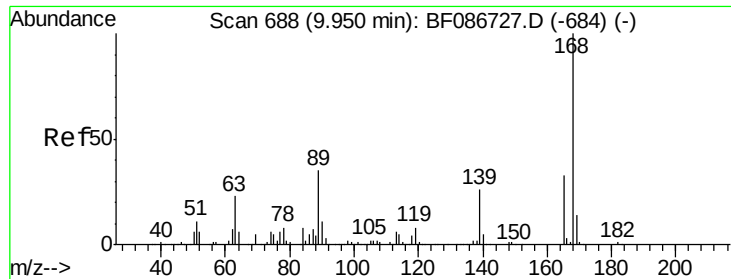
#51
 Acenaphthene
 Concen: 5.69 ng
 RT: 9.77 min Scan# 672
 Delta R.T. -0.05 min
 Lab File: BF086756.D
 Acq: 7 May 2016 6:37

Tgt Ion:154 Resp: 64347
 Ion Ratio Lower Upper
 154 100
 153 113.1 89.8 134.6
 152 51.1 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

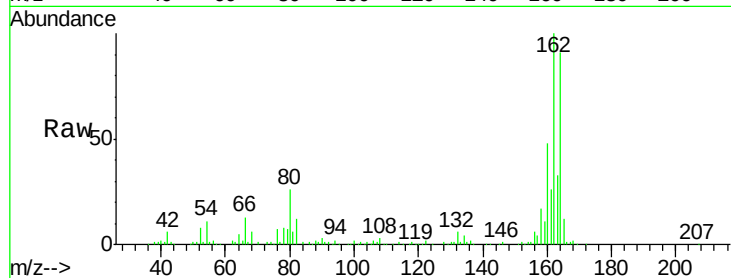




#56
2,4-Dinitrotoluene
Concen: 7.03 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.24 min
Lab File: BF086756.D
Acq: 7 May 2016 6:37

Instrument :
BNA_F
ClientSampleId :
TEC-B3COMP

Tgt Ion	Ratio	Lower	Upper
165	100		
63	5.8	44.3	66.5#
89	4.8	70.0	105.0#
182	0.0	1.8	2.6#

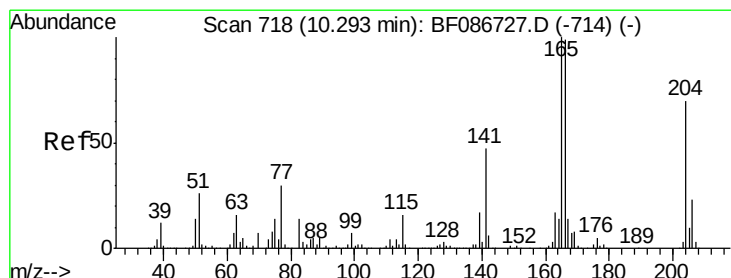
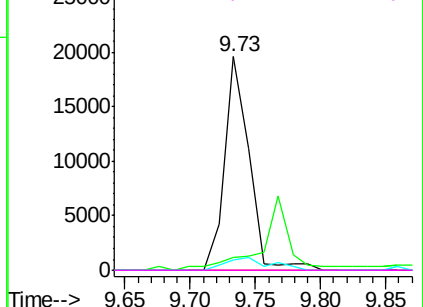
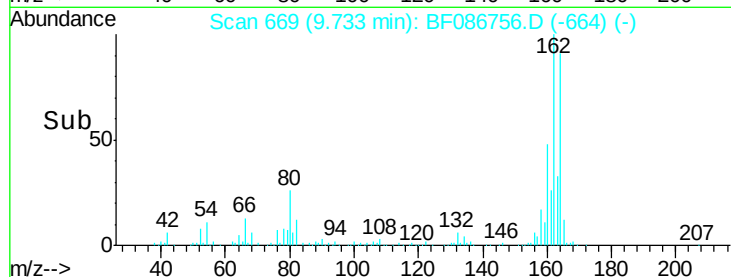


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

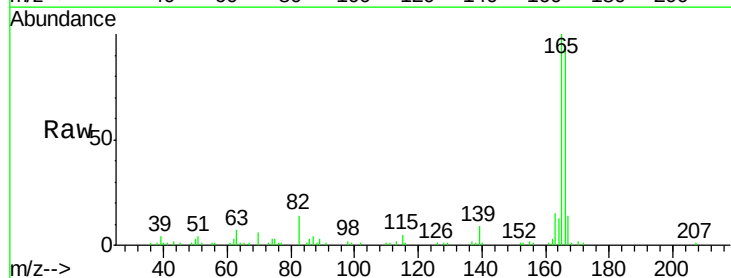
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: 5.91 ng
RT: 10.28 min Scan# 717
Delta R.T. -0.05 min
Lab File: BF086756.D
Acq: 7 May 2016 6:37

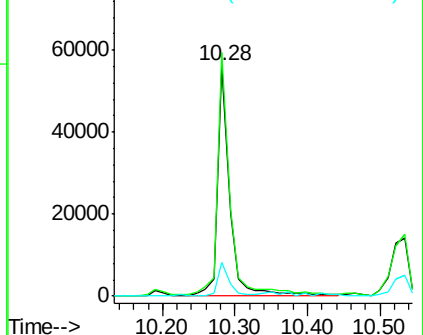
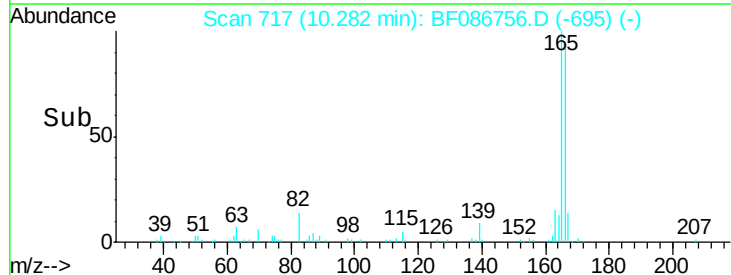
Tgt Ion	Ratio	Lower	Upper
166	100		
165	105.9	79.0	118.6
167	14.4	10.6	15.8

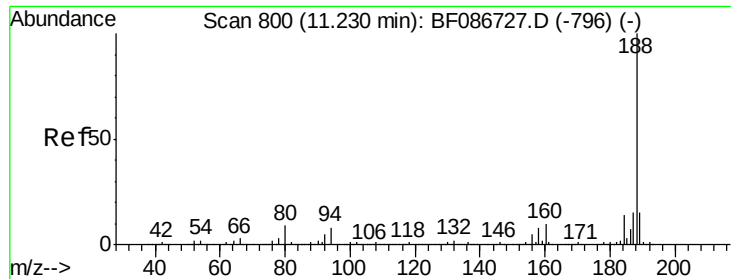


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 40.00 ng

RT: 11.22 min Scan# 799

Delta R.T. -0.03 min

Lab File: BF086756.D

Acq: 7 May 2016 6:37

Instrument :

BNA_F

ClientSampleId :

TEC-B3COMP

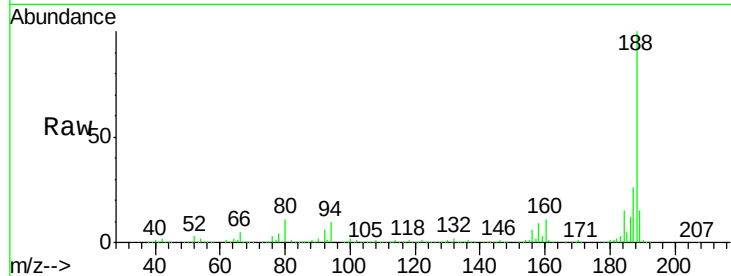
Tgt Ion:188 Resp: 569302

Ion Ratio Lower Upper

188 100

94 10.0 6.8 10.2

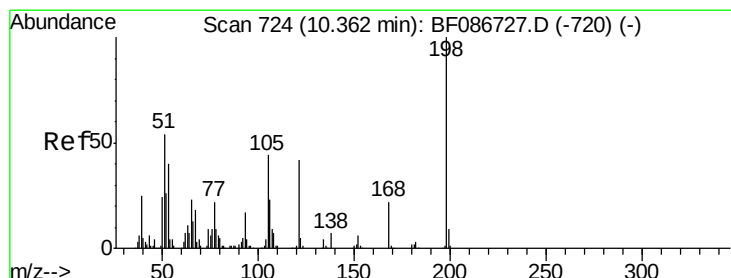
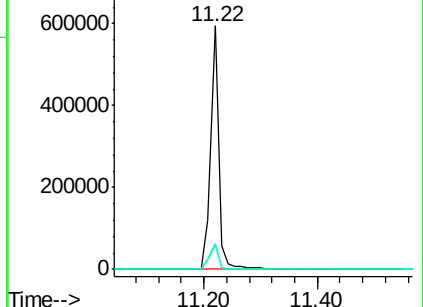
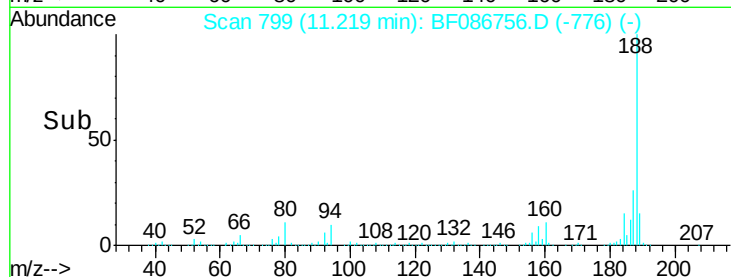
80 10.8 7.1 10.7#



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



#64

4,6-Dinitro-2-methylphenol

Concen: 5.80 ng

RT: 10.53 min Scan# 739

Delta R.T. 0.16 min

Lab File: BF086756.D

Acq: 7 May 2016 6:37

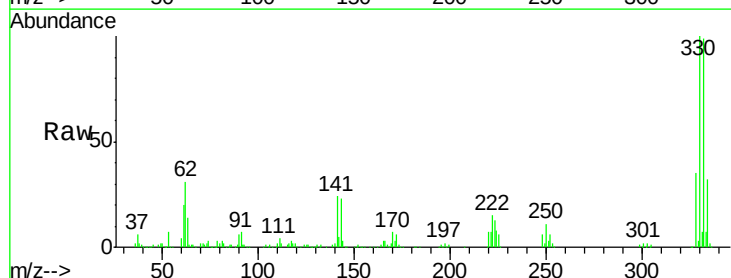
Tgt Ion:198 Resp: 1477

Ion Ratio Lower Upper

198 100

51 126.8 20.5 60.5#

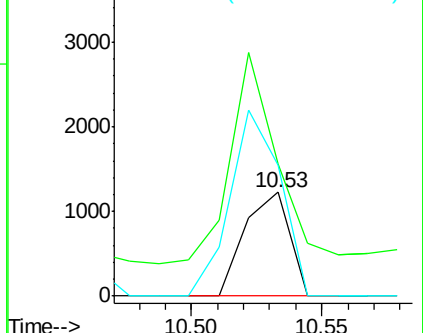
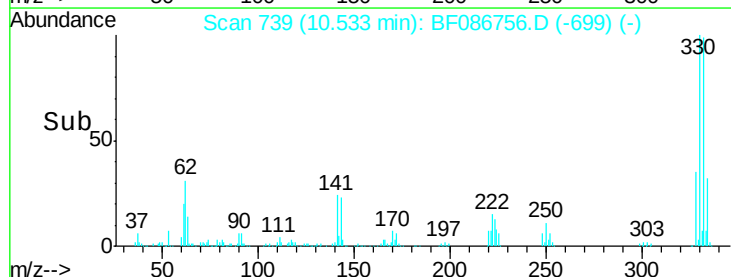
105 126.1 24.5 64.5#

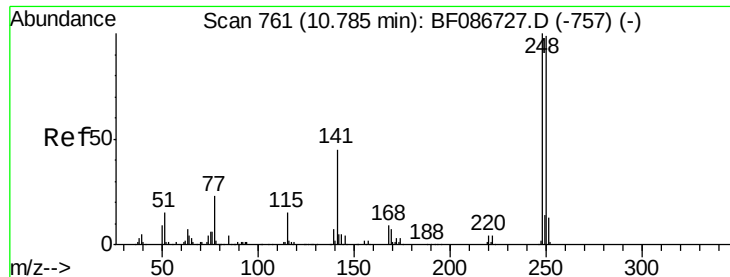


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 6.15 ng

RT: 10.53 min Scan# 739

Delta R.T. -0.27 min

Lab File: BF086756.D

Acq: 7 May 2016 6:37

Instrument :

BNA_F

ClientSampleId :

TEC-B3COMP

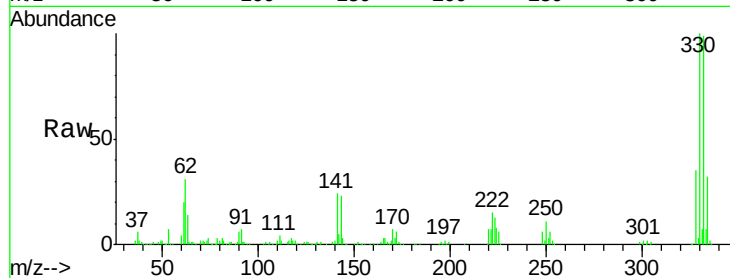
Tgt Ion:248 Resp: 34798

Ion Ratio Lower Upper

248 100

250 192.7 78.6 117.8#

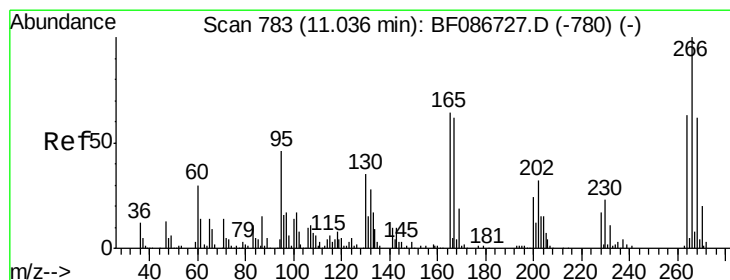
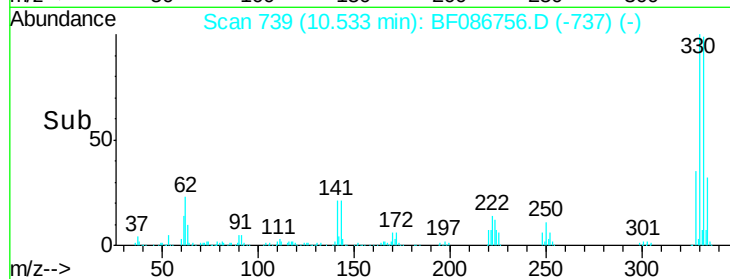
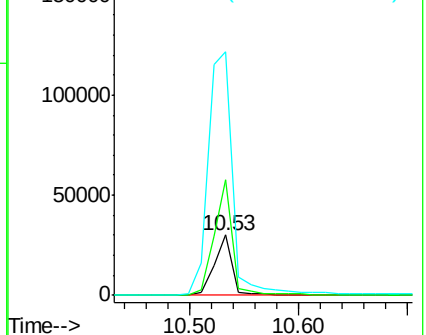
141 405.3 76.0 114.0#



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



#69

Pentachlorophenol

Concen: 5.91 ng

RT: 11.04 min Scan# 783

Delta R.T. -0.02 min

Lab File: BF086756.D

Acq: 7 May 2016 6:37

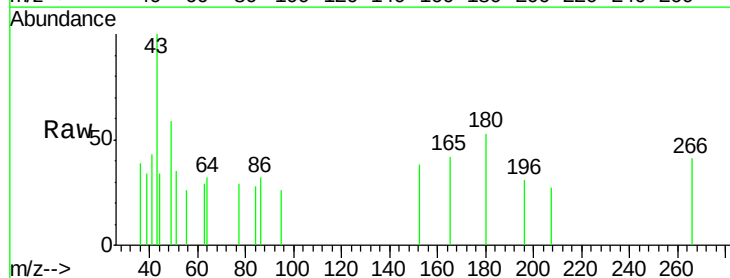
Tgt Ion:266 Resp: 326

Ion Ratio Lower Upper

266 100

268 0.0 51.5 77.3#

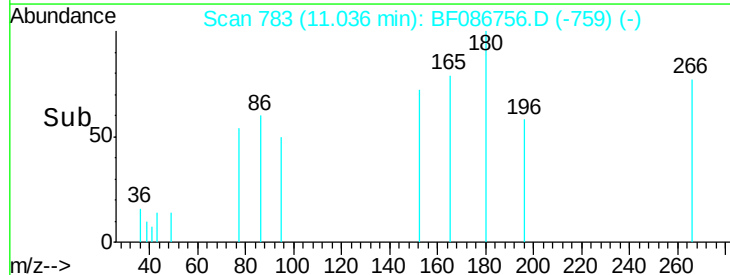
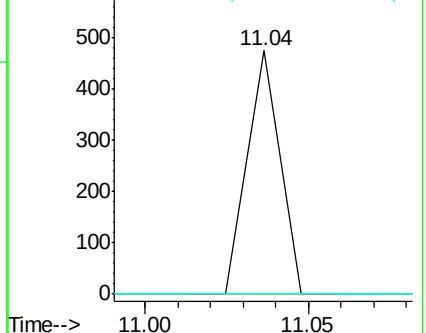
264 0.0 52.9 79.3#

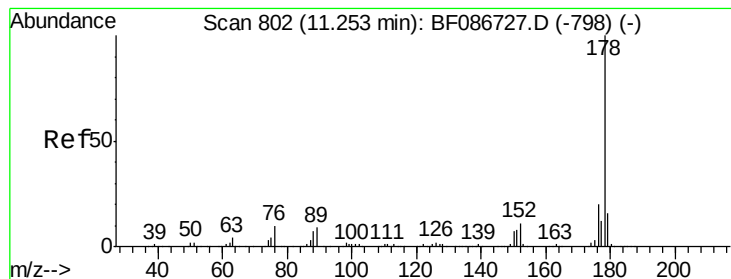


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#70

Phenanthrene

Concen: 3.92 ng

RT: 11.24 min Scan# 801

Delta R.T. -0.03 min

Lab File: BF086756.D

Acq: 7 May 2016 6:37

Instrument :

BNA_F

ClientSampleId :

TEC-B3COMP

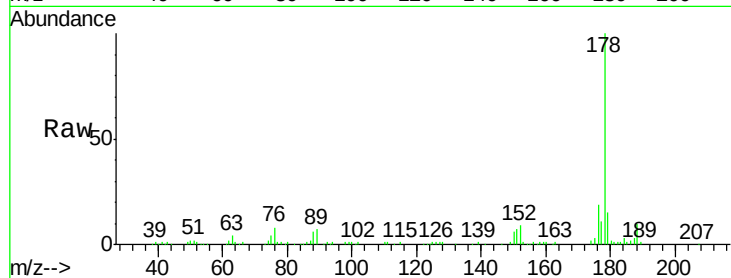
Tgt Ion:178 Resp: 119846

Ion Ratio Lower Upper

178 100

176 19.0 16.0 24.0

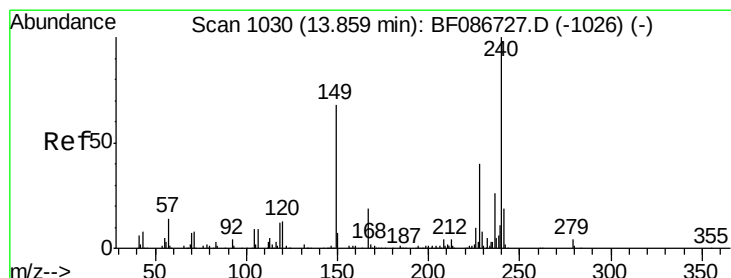
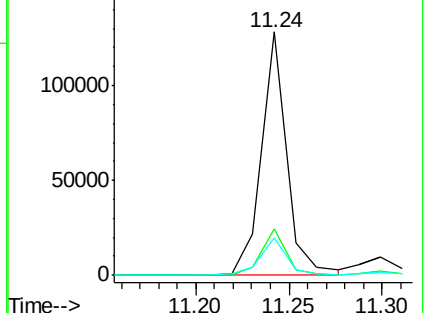
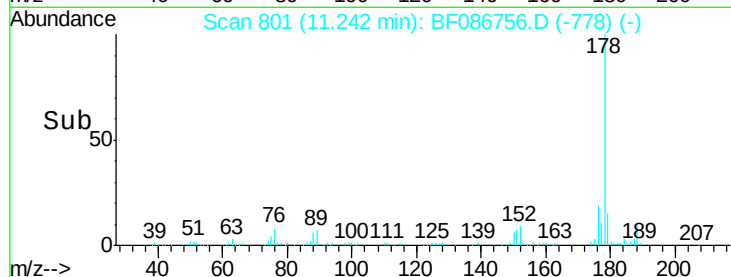
179 15.4 12.6 18.8



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: 40.00 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.03 min

Lab File: BF086756.D

Acq: 7 May 2016 6:37

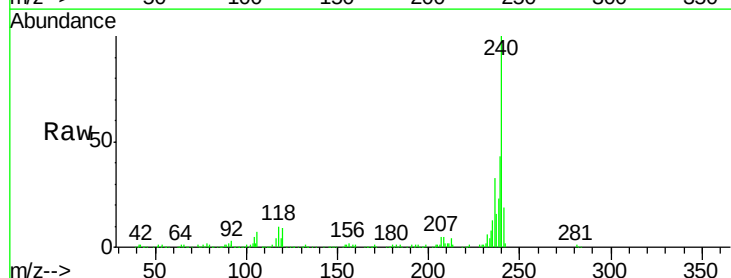
Tgt Ion:240 Resp: 225142

Ion Ratio Lower Upper

240 100

120 9.5 11.2 16.8#

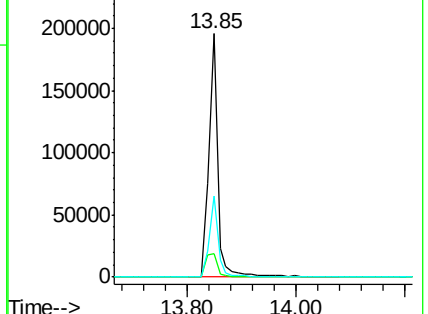
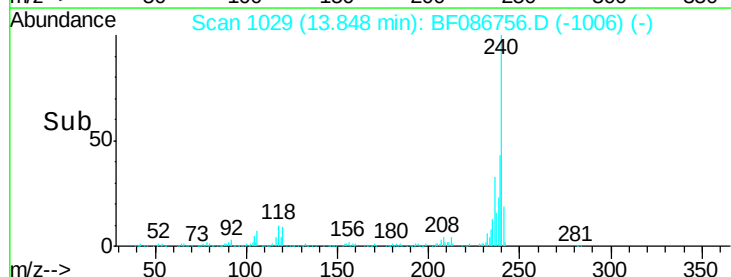
236 33.5 21.2 31.8#

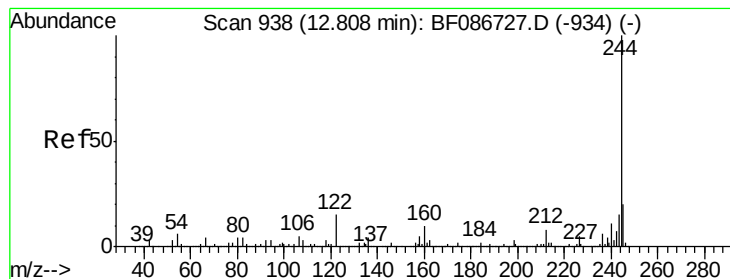


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 136.42 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.03 min

Lab File: BF086756.D

Acq: 7 May 2016 6:37

Instrument :

BNA_F

ClientSampleId :

TEC-B3COMP

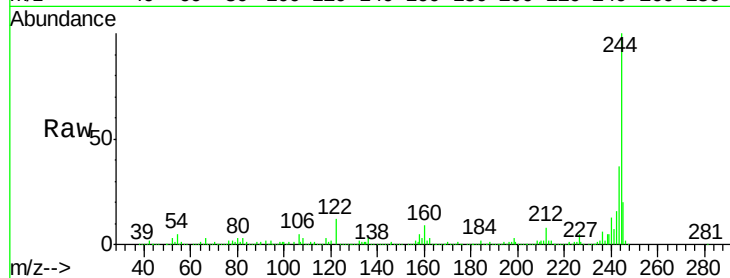
Tgt Ion:244 Resp: 1519735

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

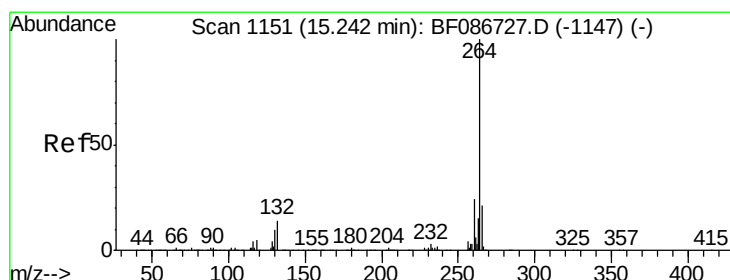
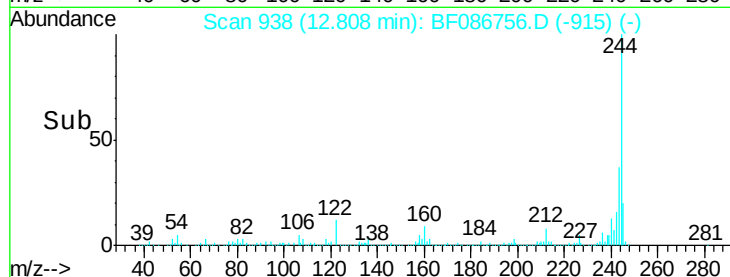
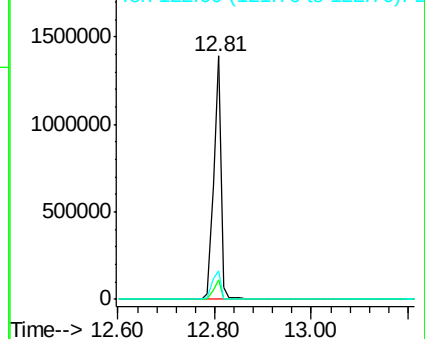
122 11.8 12.0 18.0#



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: 40.00 ng

RT: 15.23 min Scan# 1150

Delta R.T. -0.03 min

Lab File: BF086756.D

Acq: 7 May 2016 6:37

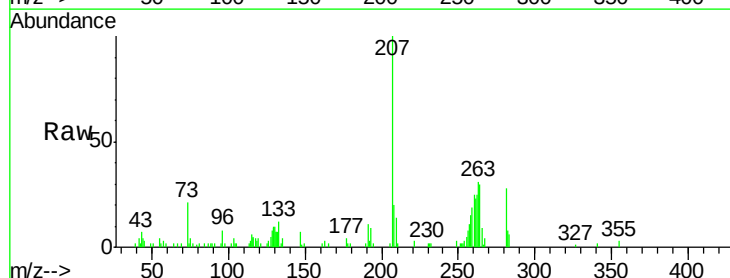
Tgt Ion:264 Resp: 9357

Ion Ratio Lower Upper

264 100

260 81.7 19.5 29.3#

265 28.8 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

