

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050616\
 Data File : BF086730.D
 Acq On : 6 May 2016 18:09
 Operator : UM/SJ
 Sample : H2802-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 07 03:25:13 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 07 03:18:46 2016
 Response via : Initial Calibration

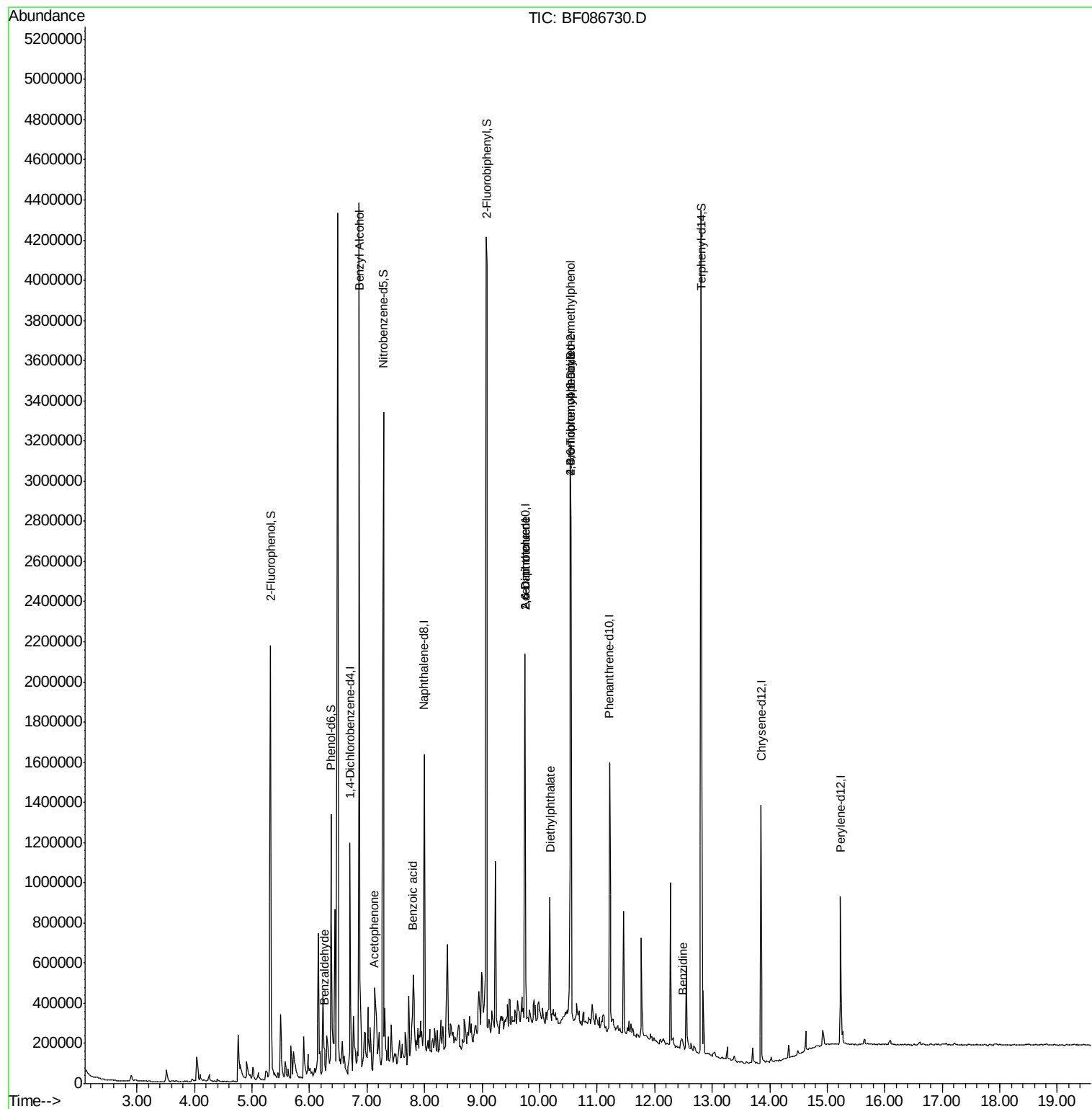
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	157817	40.00	ng	0.00
21) Naphthalene-d8	8.00	136	675447	40.00	ng	0.00
38) Acenaphthene-d10	9.74	164	312195	40.00	ng	0.00
63) Phenanthrene-d10	11.22	188	537233	40.00	ng	-0.01
75) Chrysene-d12	13.85	240	434272	40.00	ng	-0.01
86) Perylene-d12	15.23	264	314328	40.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	625220	65.59	ng	0.00
7) Phenol-d6	6.37	99	482081	37.54	ng	-0.01
23) Nitrobenzene-d5	7.29	82	1300709	98.96	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	543693	178.03	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	2018816	106.00	ng	0.00
78) Terphenyl-d14	12.81	244	1422392	66.19	ng	0.00
Target Compounds						
9) Benzaldehyde	6.26	77	20401	3.18	ng	Qvalue 93
15) Benzyl Alcohol	6.86	79	35562	4.28	ng	# 43
22) Acetophenone	7.13	105	44203	2.81	ng	# 80
32) Benzoic acid	7.80	122	33342	15.04	ng	# 82
50) 2,6-Dinitrotoluene	9.74	165	42139	8.44	ng	# 31
56) 2,4-Dinitrotoluene	9.74	165	42139	6.81	ng	# 26
59) Diethylphthalate	10.18	149	60242	2.73	ng	95
64) 4,6-Dinitro-2-methylphenol	10.53	198	1326	5.77	ng	# 1
66) 4-Bromophenyl-phenylether	10.54	248	31205	5.84	ng	# 1
76) Benzidine	12.49	184	635	7.14	ng	# 1

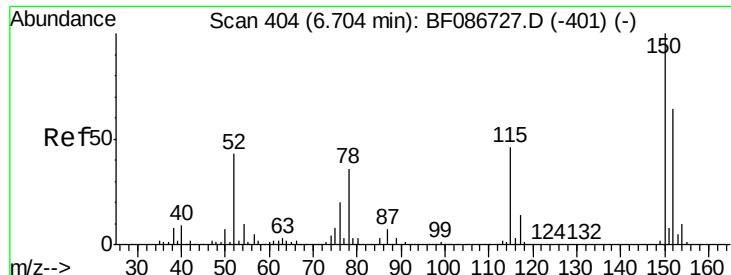
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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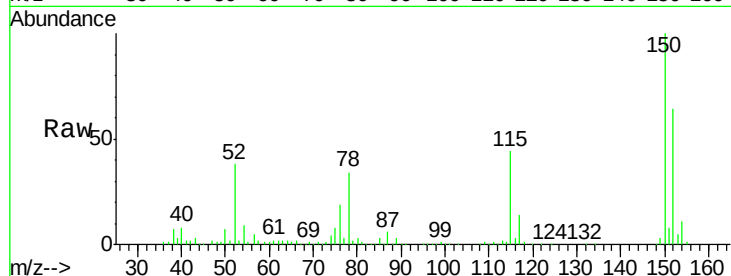


#1

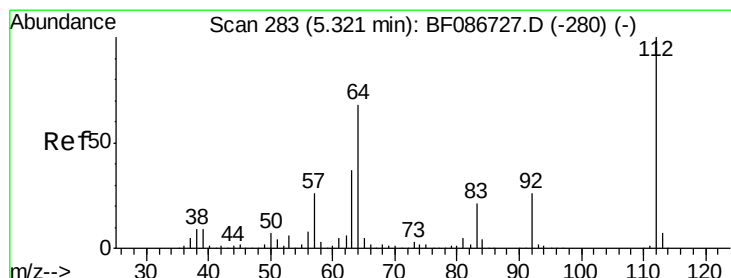
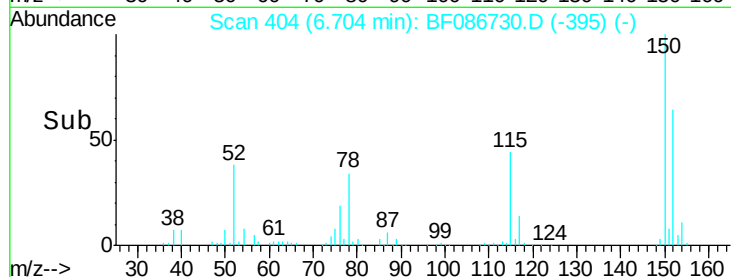
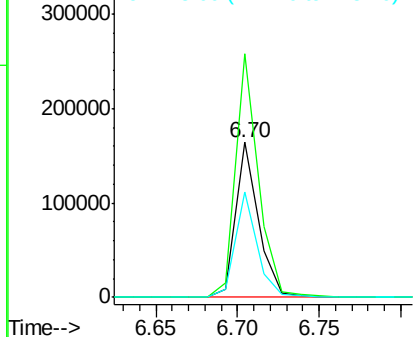
1,4-Dichlorobenzene-d4
Concen: 40.00 ng
RT: 6.70 min Scan# 404
Delta R.T. 0.00 min
Lab File: BF086730.D
Acq: 6 May 2016 18:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 157817
Ion Ratio Lower Upper
152 100
150 156.9 125.8 188.6
115 68.3 51.5 77.3



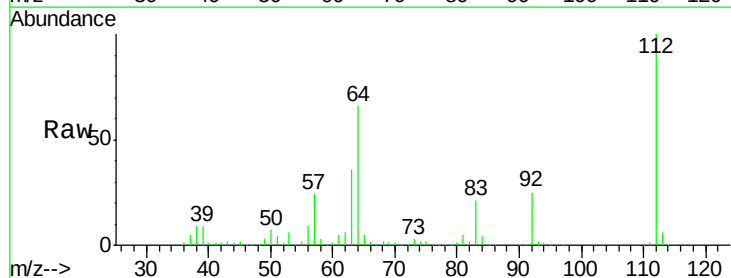
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



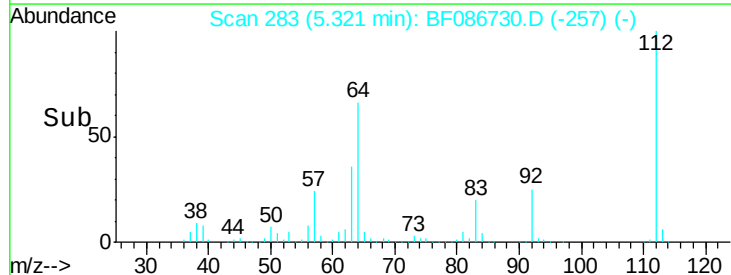
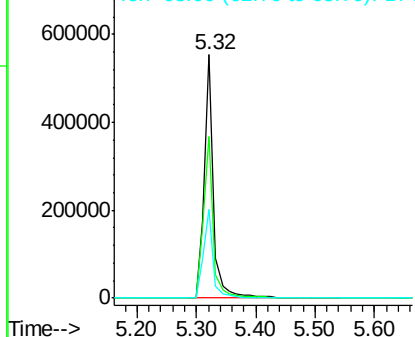
#5

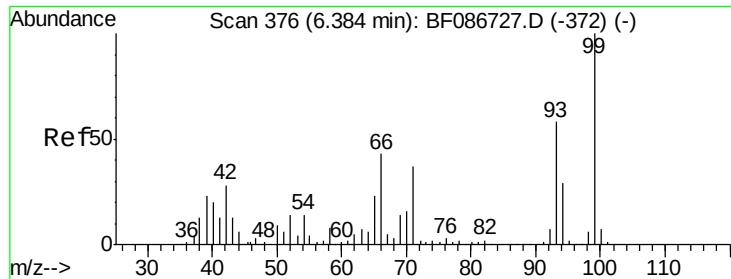
2-Fluorophenol
Concen: 65.59 ng
RT: 5.32 min Scan# 283
Delta R.T. 0.00 min
Lab File: BF086730.D
Acq: 6 May 2016 18:09

Tgt Ion:112 Resp: 625220
Ion Ratio Lower Upper
112 100
64 66.4 52.1 78.1
63 36.2 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: 37.54 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.01 min

Lab File: BF086730.D

Acq: 6 May 2016 18:09

Instrument :

BNA_F

ClientSampleId :

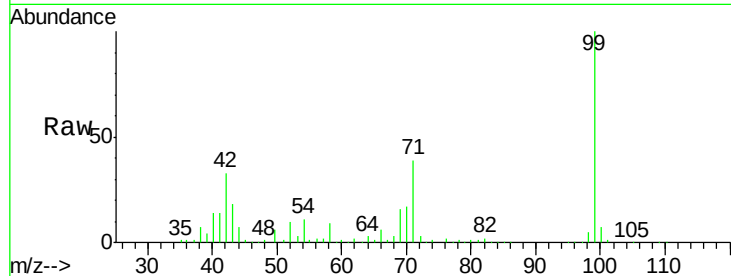
Tot Ion: 99 Resp: 482081

Ion Ratio Lower Upper

99 100

42 32.5 13.6 20.4#

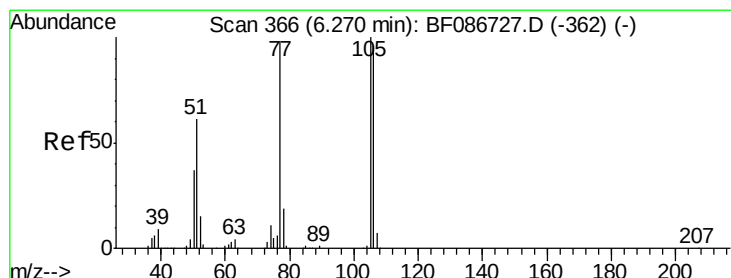
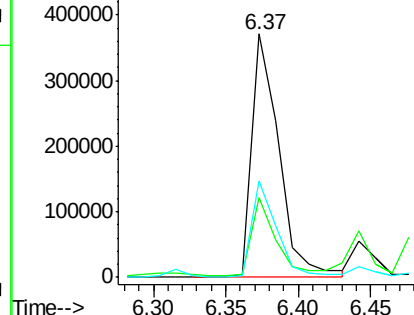
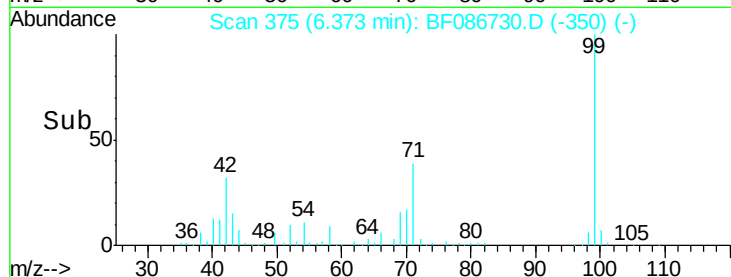
71 39.5 24.6 36.8#



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



#9

Benzaldehyde

Concen: 3.18 ng

RT: 6.26 min Scan# 365

Delta R.T. -0.01 min

Lab File: BF086730.D

Acq: 6 May 2016 18:09

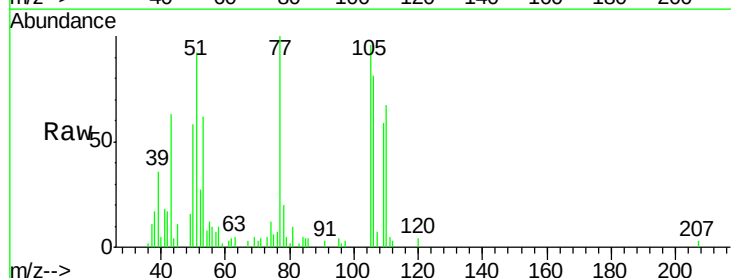
Tgt Ion: 77 Resp: 20401

Ion Ratio Lower Upper

77 100

105 95.6 72.7 112.7

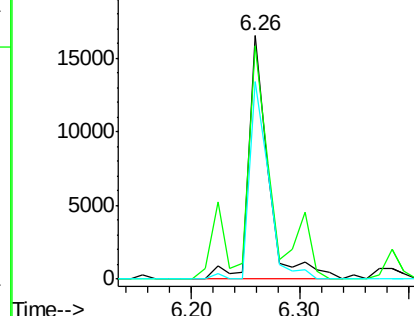
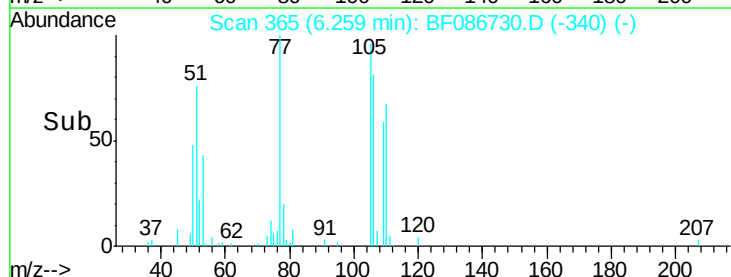
106 81.0 70.8 110.8

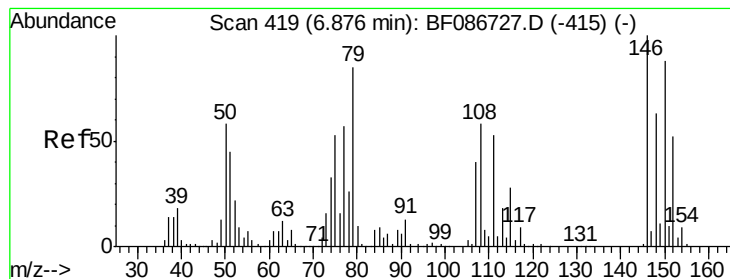


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#15

Benzyl Alcohol

Concen: 4.28 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.01 min

Lab File: BF086730.D

Acq: 6 May 2016 18:09

Instrument :

BNA_F

ClientSampleId :

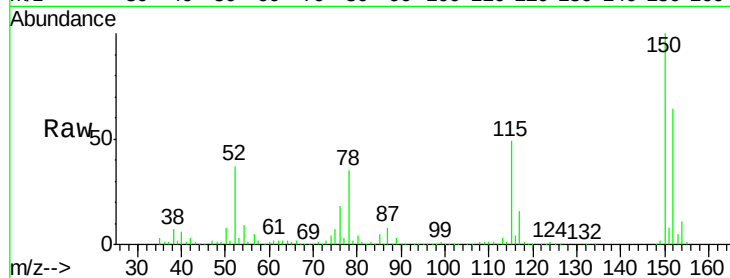
Tot Ion: 79 Resp: 35562

Ion Ratio Lower Upper

79 100

108 31.7 68.4 102.6#

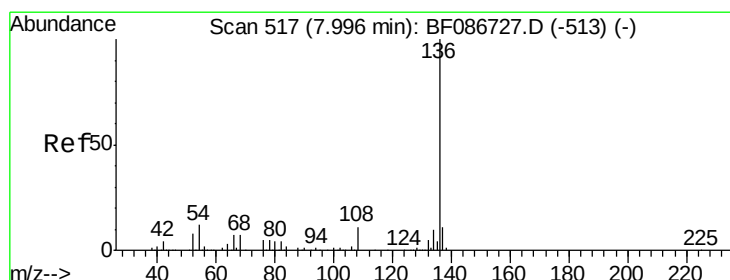
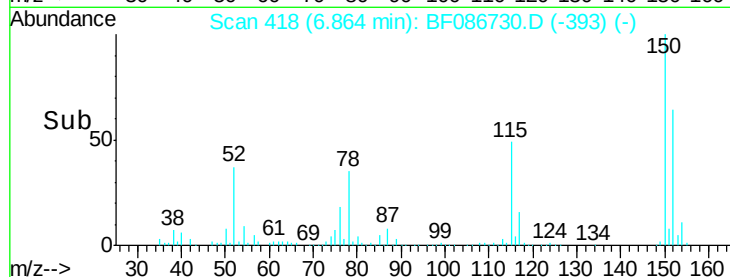
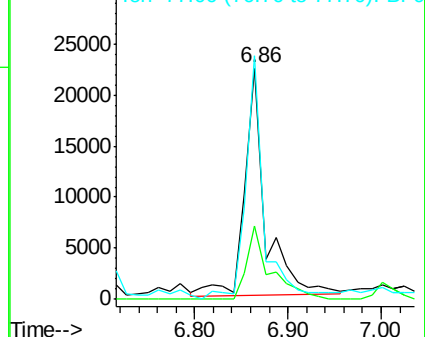
77 105.3 50.6 76.0#



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



#21

Naphthalene-d8

Concen: 40.00 ng

RT: 8.00 min Scan# 517

Delta R.T. 0.00 min

Lab File: BF086730.D

Acq: 6 May 2016 18:09

Tgt Ion: 136 Resp: 675447

Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 10.9 5.0 7.4#

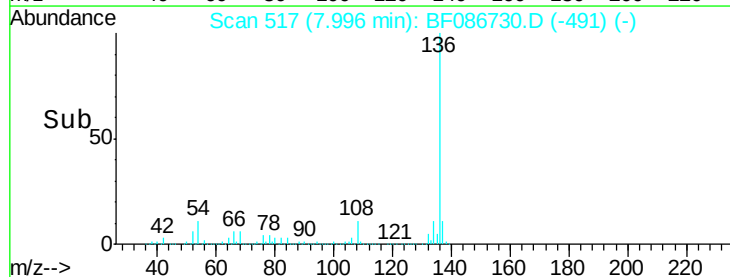
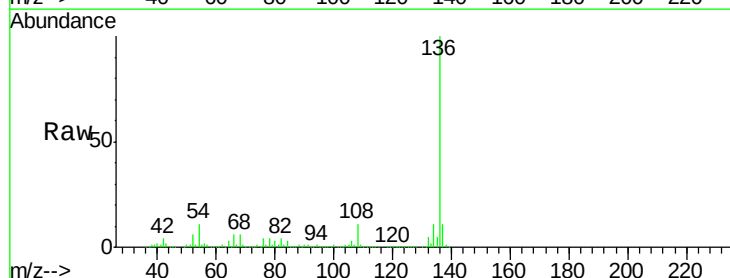
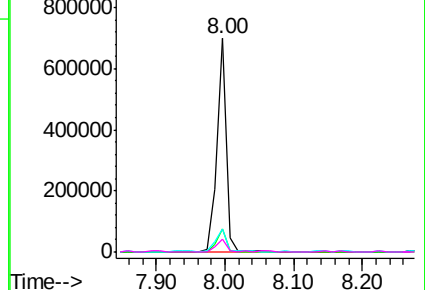
68 6.0 4.4 6.6

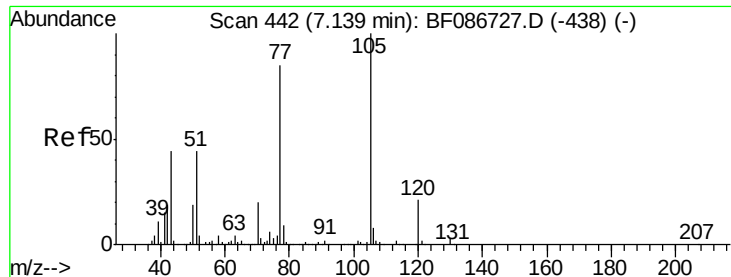
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#22

Acetophenone

Concen: 2.81 ng

RT: 7.13 min Scan# 441

Delta R.T. -0.01 min

Lab File: BF086730.D

Acq: 6 May 2016 18:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion:105 Resp: 44203

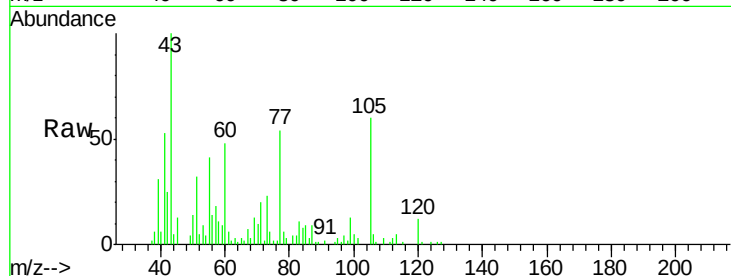
Ion Ratio Lower Upper

105 100

71 32.9 4.8 7.2#

51 54.3 32.6 49.0#

120 20.5 16.5 24.7

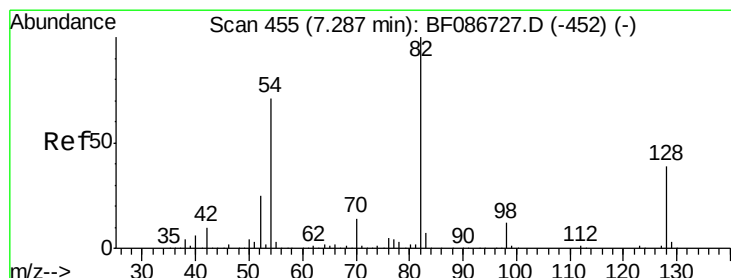
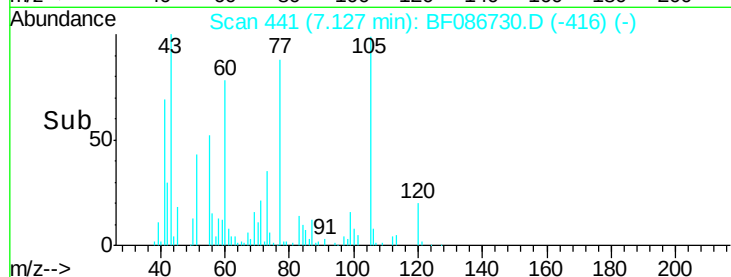
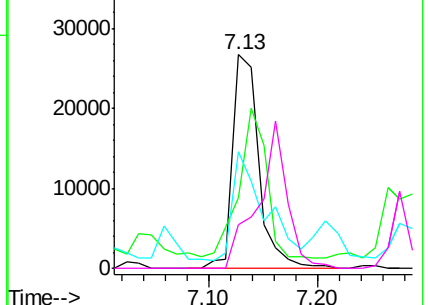


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 98.96 ng

RT: 7.29 min Scan# 455

Delta R.T. 0.00 min

Lab File: BF086730.D

Acq: 6 May 2016 18:09

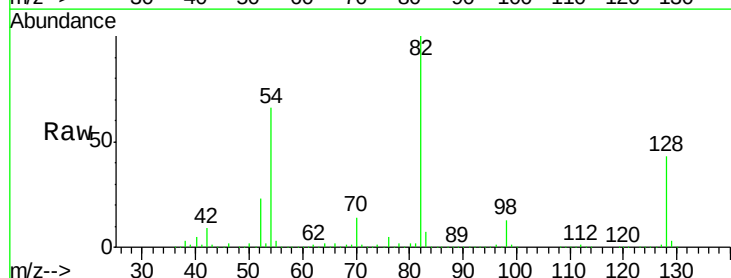
Tgt Ion: 82 Resp: 1300709

Ion Ratio Lower Upper

82 100

128 42.8 40.6 61.0

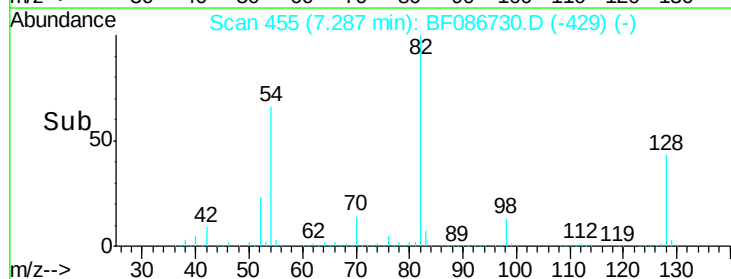
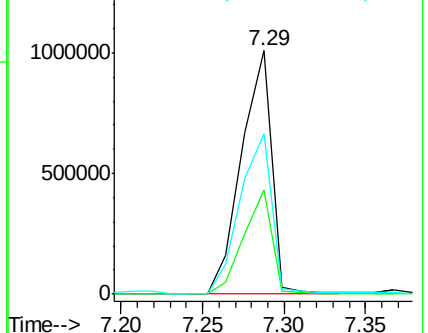
54 65.9 38.1 57.1#

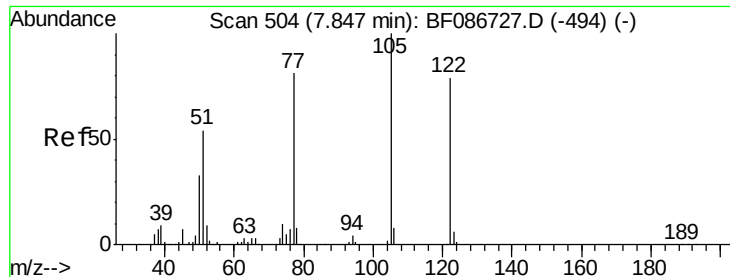


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#32

Benzoic acid

Concen: 15.04 ng

RT: 7.80 min Scan# 500

Delta R.T. -0.05 min

Lab File: BF086730.D

Acq: 6 May 2016 18:09

Instrument :

BNA_F

ClientSampled :

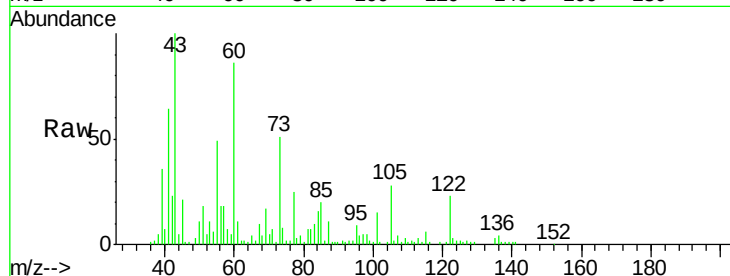
Tot Ion:122 Resp: 33342

Ion Ratio Lower Upper

122 100

105 122.3 92.6 132.6

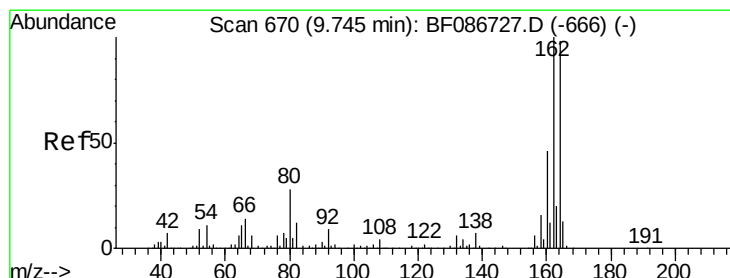
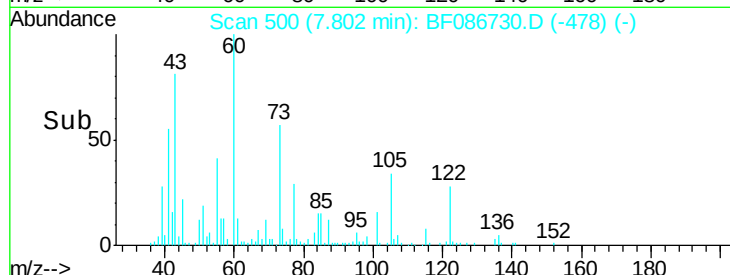
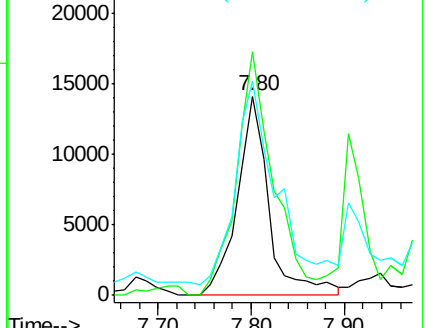
77 107.8 60.0 100.0#



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



#38

Acenaphthene-d10

Concen: 40.00 ng

RT: 9.74 min Scan# 670

Delta R.T. 0.00 min

Lab File: BF086730.D

Acq: 6 May 2016 18:09

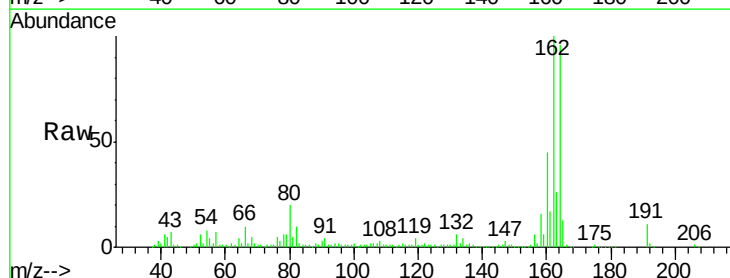
Tgt Ion:164 Resp: 312195

Ion Ratio Lower Upper

164 100

162 104.2 82.8 124.2

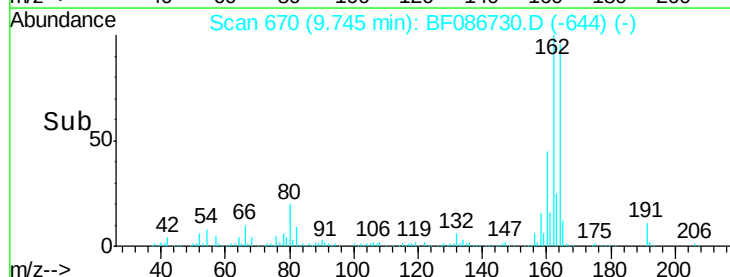
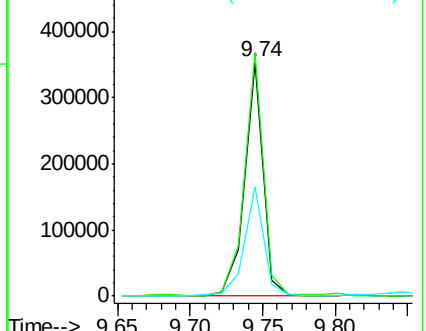
160 46.7 36.9 55.3

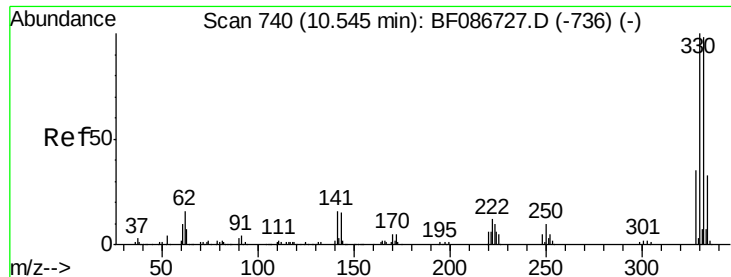


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

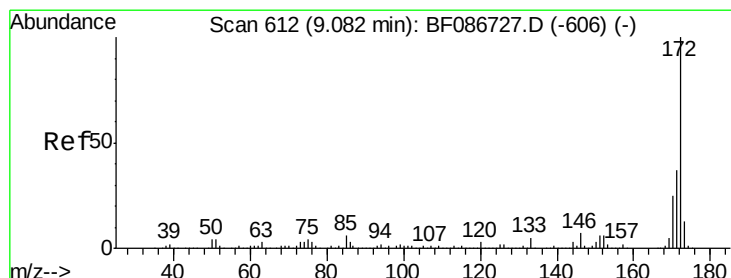
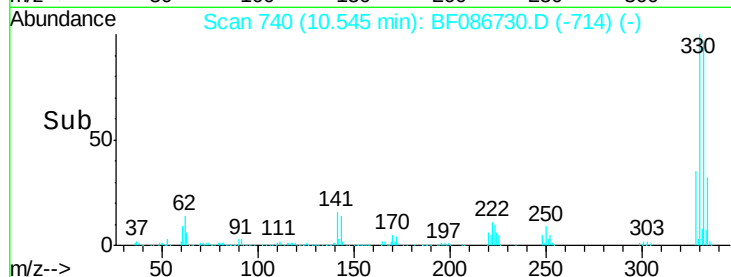
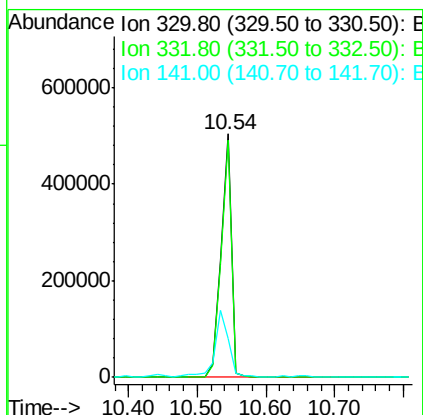
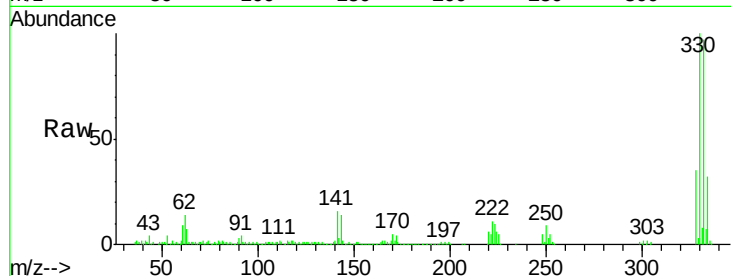




#41
 2,4,6-Tribromophenol
 Concen: 178.03 ng
 RT: 10.54 min Scan# 740
 Delta R.T. 0.00 min
 Lab File: BF086730.D
 Acq: 6 May 2016 18:09

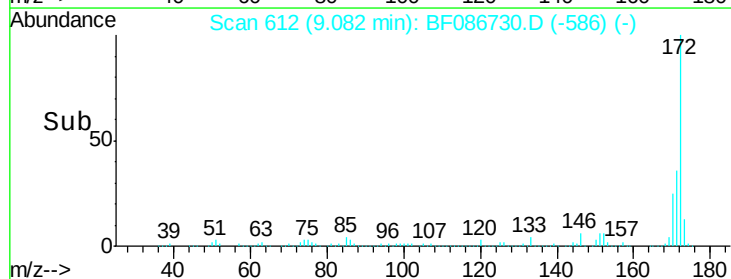
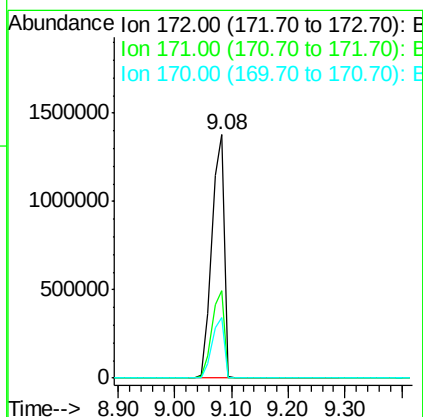
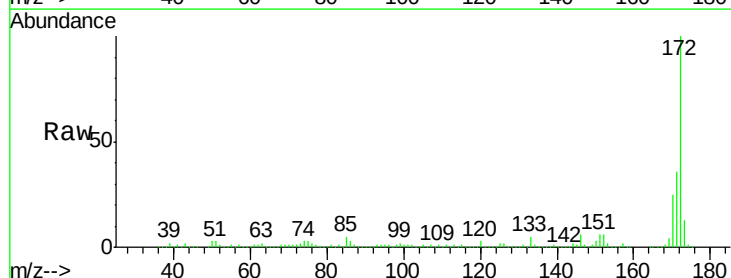
Instrument :
 BNA_F
 ClientSampleId :

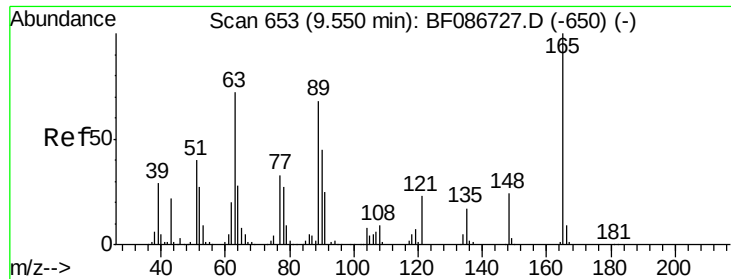
Tot Ion:330 Resp: 543693
 Ion Ratio Lower Upper
 330 100
 332 96.9 79.0 118.4
 141 34.5 31.2 46.8



#44
 2-Fluorobiphenyl
 Concen: 106.00 ng
 RT: 9.08 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: BF086730.D
 Acq: 6 May 2016 18:09

Tgt Ion:172 Resp: 2018816
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.0 43.6
 170 24.6 19.8 29.8

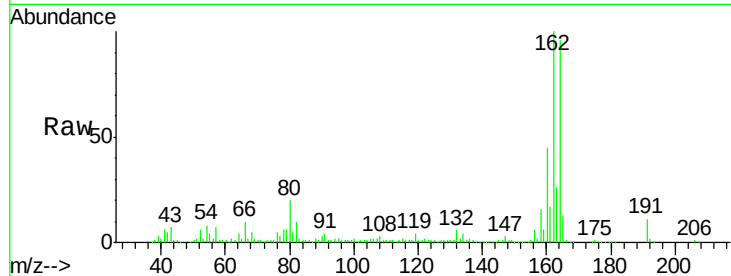




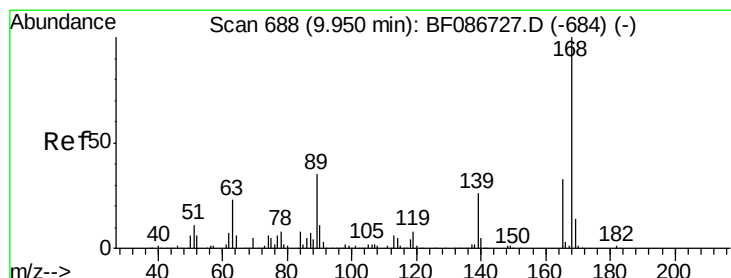
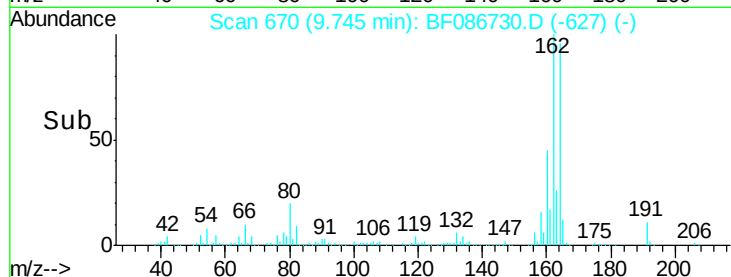
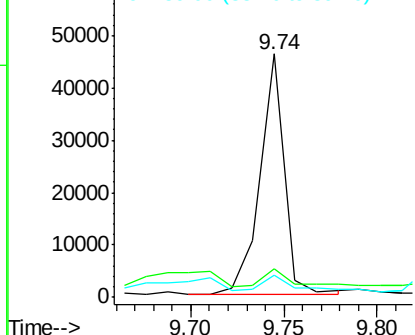
#50
 2,6-Dinitrotoluene
 Concen: 8.44 ng
 RT: 9.74 min Scan# 670
 Delta R.T. 0.19 min
 Lab File: BF086730.D
 Acq: 6 May 2016 18:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 42139
 Ion Ratio Lower Upper
 165 100
 63 11.6 51.8 77.8#
 89 9.1 50.7 76.1#

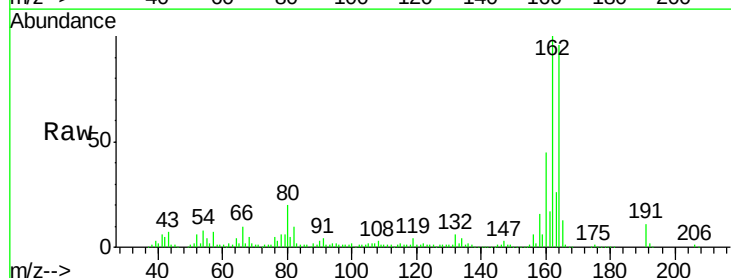


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

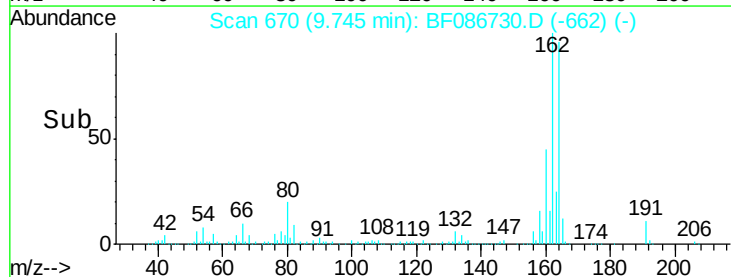
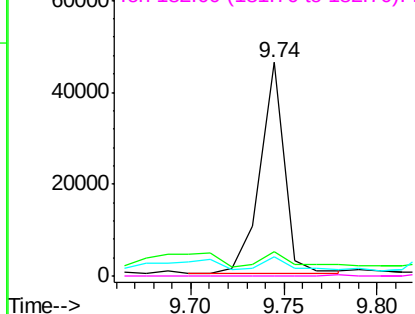


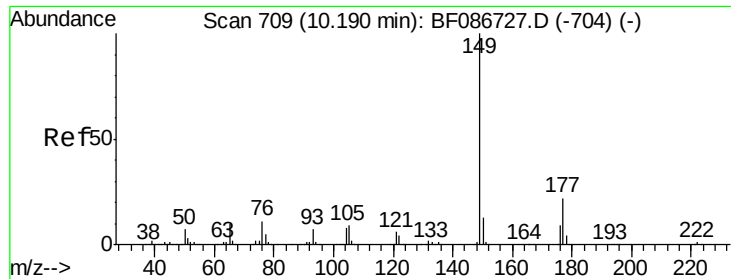
#56
 2,4-Dinitrotoluene
 Concen: 6.81 ng
 RT: 9.74 min Scan# 670
 Delta R.T. -0.21 min
 Lab File: BF086730.D
 Acq: 6 May 2016 18:09

Tgt Ion:165 Resp: 42139
 Ion Ratio Lower Upper
 165 100
 63 11.6 44.3 66.5#
 89 9.1 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

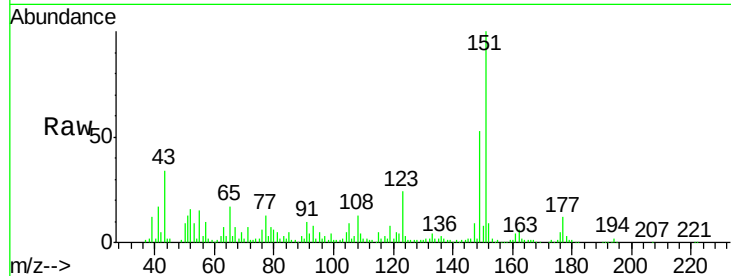




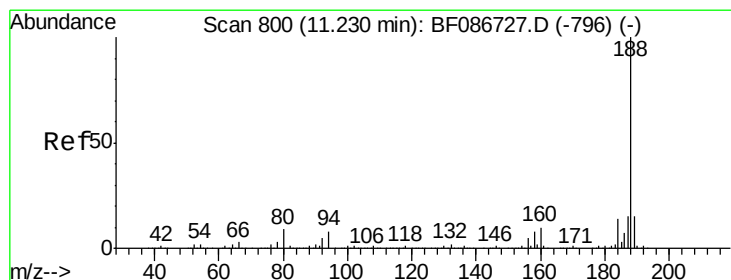
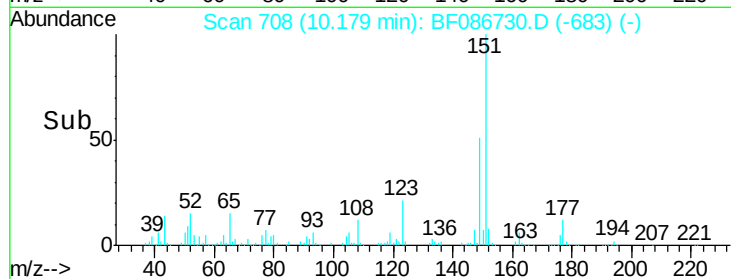
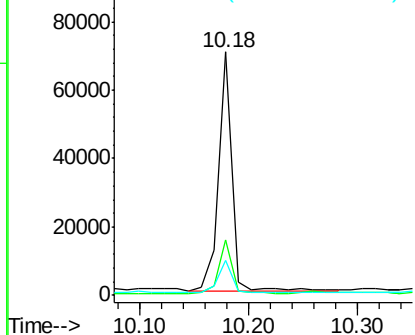
#59
Diethylphthalate
Concen: 2.73 ng
RT: 10.18 min Scan# 708
Delta R.T. -0.01 min
Lab File: BF086730.D
Acq: 6 May 2016 18:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 60242
Ion Ratio Lower Upper
149 100
177 22.8 16.6 24.8
150 14.5 10.0 15.0

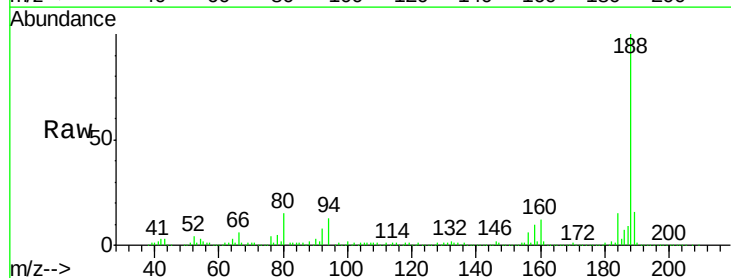


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

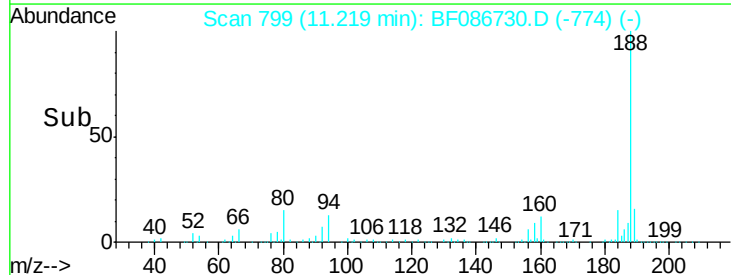
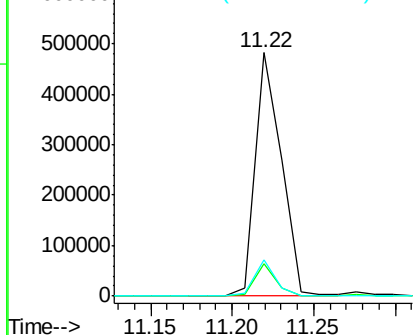


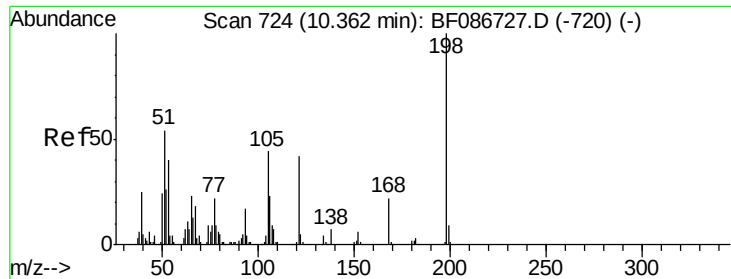
#63
Phenanthrene-d10
Concen: 40.00 ng
RT: 11.22 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF086730.D
Acq: 6 May 2016 18:09

Tgt Ion:188 Resp: 537233
Ion Ratio Lower Upper
188 100
94 13.5 6.8 10.2#
80 15.0 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

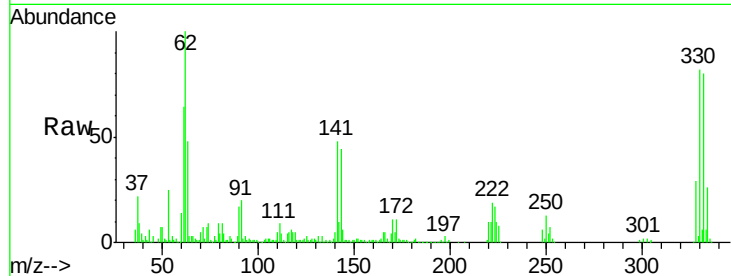




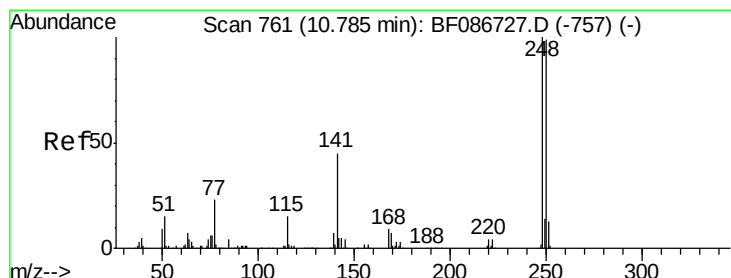
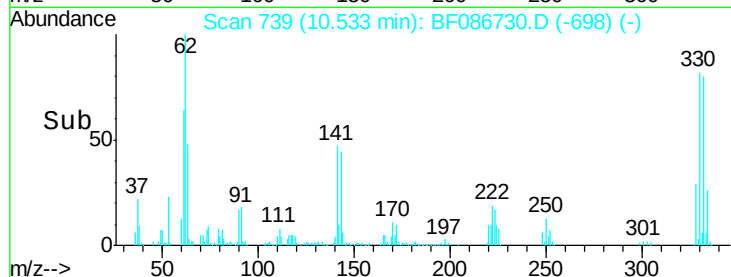
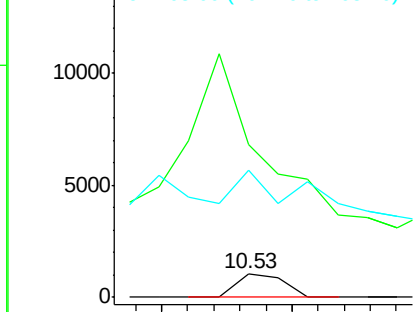
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.77 ng
 RT: 10.53 min Scan# 739
 Delta R.T. 0.17 min
 Lab File: BF086730.D
 Acq: 6 May 2016 18:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
198	100		
51	641.0	20.5	60.5#
105	533.6	24.5	64.5#

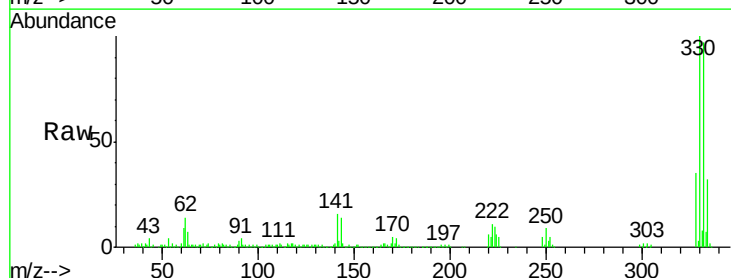


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

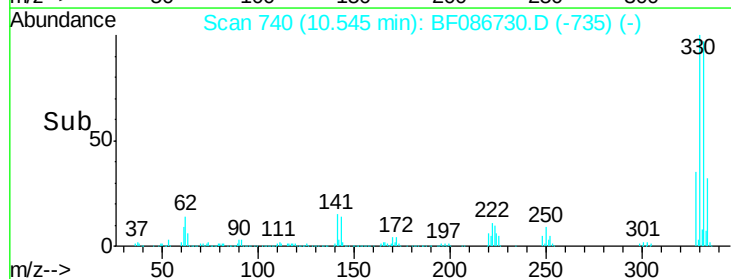
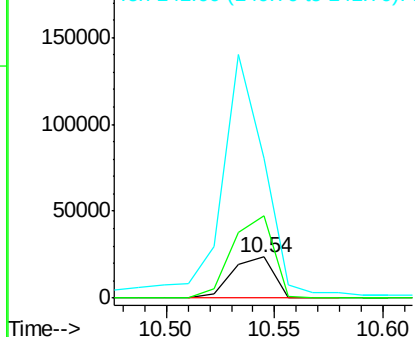


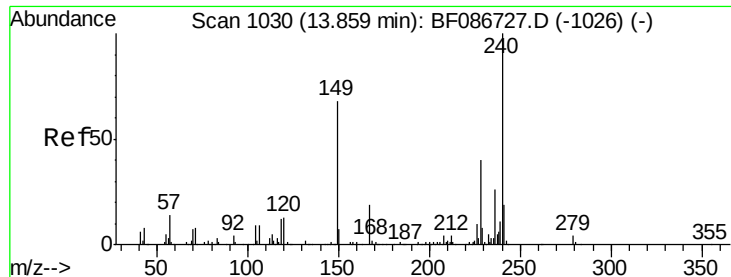
#66
 4-Bromophenyl-phenylether
 Concen: 5.84 ng
 RT: 10.54 min Scan# 740
 Delta R.T. -0.24 min
 Lab File: BF086730.D
 Acq: 6 May 2016 18:09

Tgt Ion	Ratio	Lower	Upper
248	100		
250	201.2	78.6	117.8#
141	343.0	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





#75

Chrysene-d12

Concen: 40.00 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF086730.D

Acq: 6 May 2016 18:09

Instrument :

BNA_F

ClientSampleId :

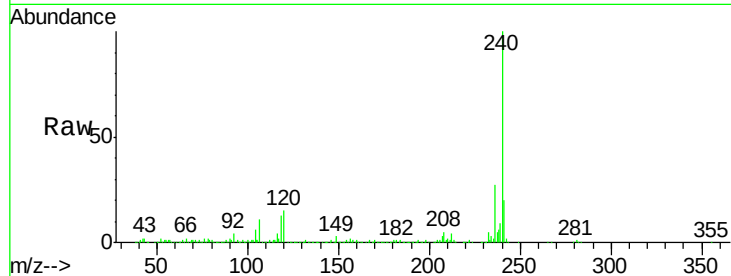
Tot Ion:240 Resp: 434272

Ion Ratio Lower Upper

240 100

120 14.8 11.2 16.8

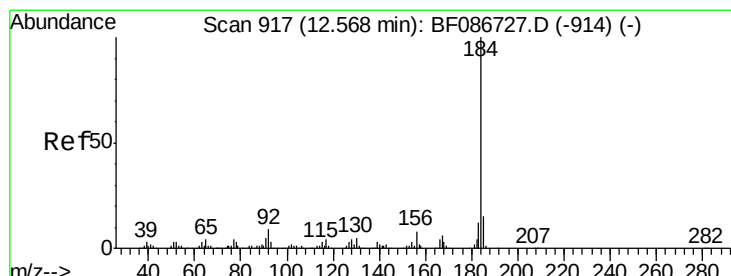
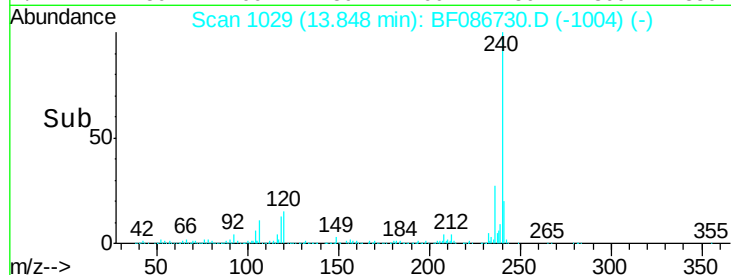
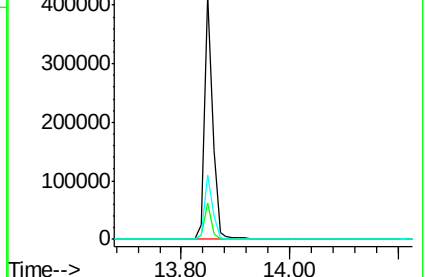
236 26.7 21.2 31.8



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



#76

Benzidine

Concen: 7.14 ng

RT: 12.49 min Scan# 910

Delta R.T. -0.08 min

Lab File: BF086730.D

Acq: 6 May 2016 18:09

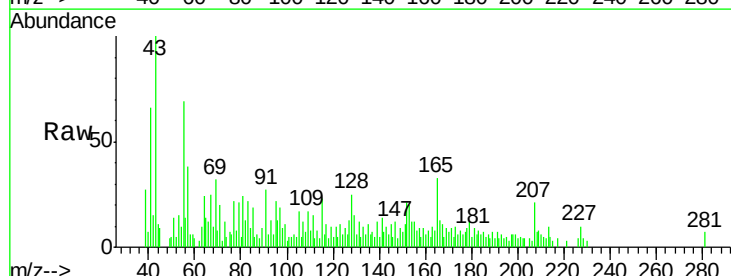
Tgt Ion:184 Resp: 635

Ion Ratio Lower Upper

184 100

185 130.1 13.6 20.4#

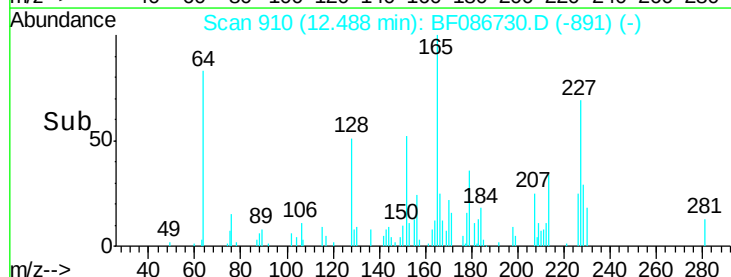
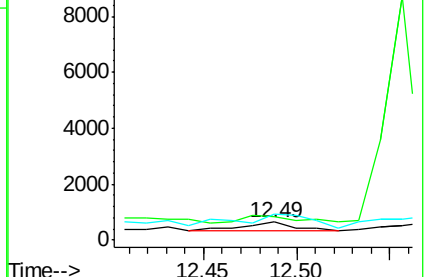
183 141.4 9.8 14.6#

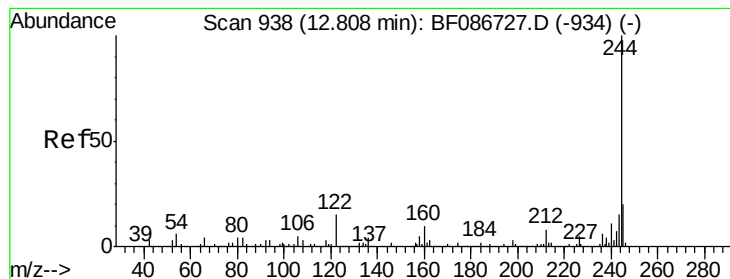


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 66.19 ng

RT: 12.81 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF086730.D

Acq: 6 May 2016 18:09

Instrument :

BNA_F

ClientSampleId :

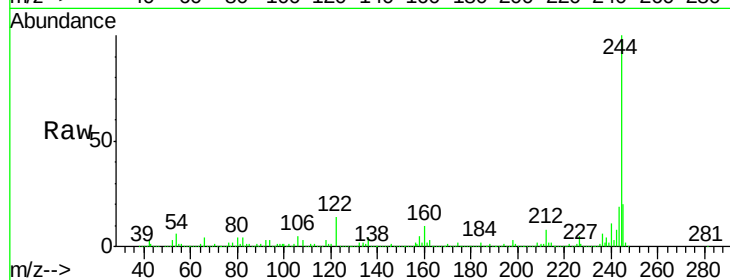
Tot Ion:244 Resp: 1422392

Ion Ratio Lower Upper

244 100

212 8.4 6.2 9.2

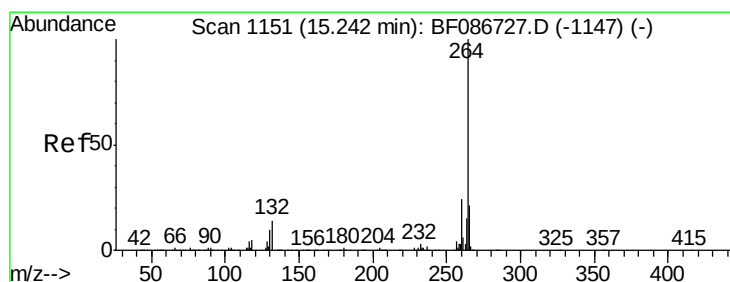
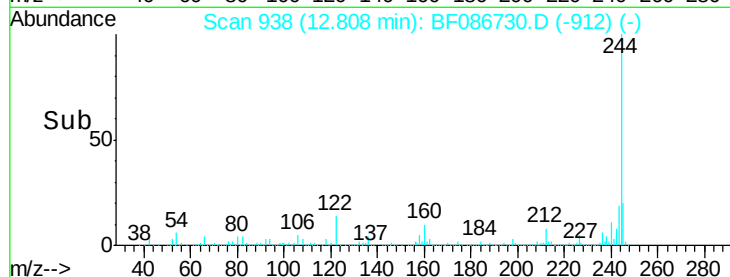
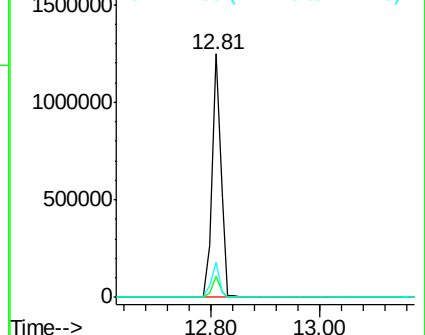
122 14.4 12.0 18.0



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. -0.01 min

Lab File: BF086730.D

Acq: 6 May 2016 18:09

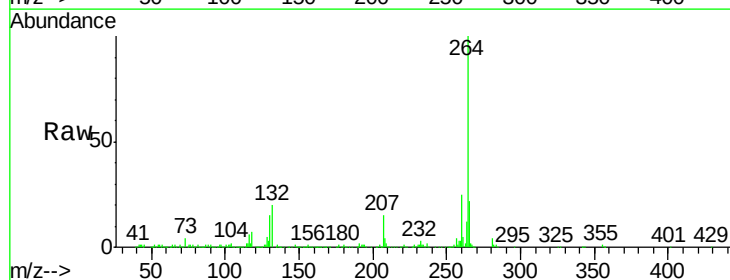
Tgt Ion:264 Resp: 314328

Ion Ratio Lower Upper

264 100

260 24.6 19.5 29.3

265 21.9 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

