

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040816\
 Data File : BF086168.D
 Acq On : 8 Apr 2016 15:11
 Operator : UM/SJ
 Sample : H2166-04RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-OFL4-AND-L5RE

Quant Time: Apr 08 23:17:21 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

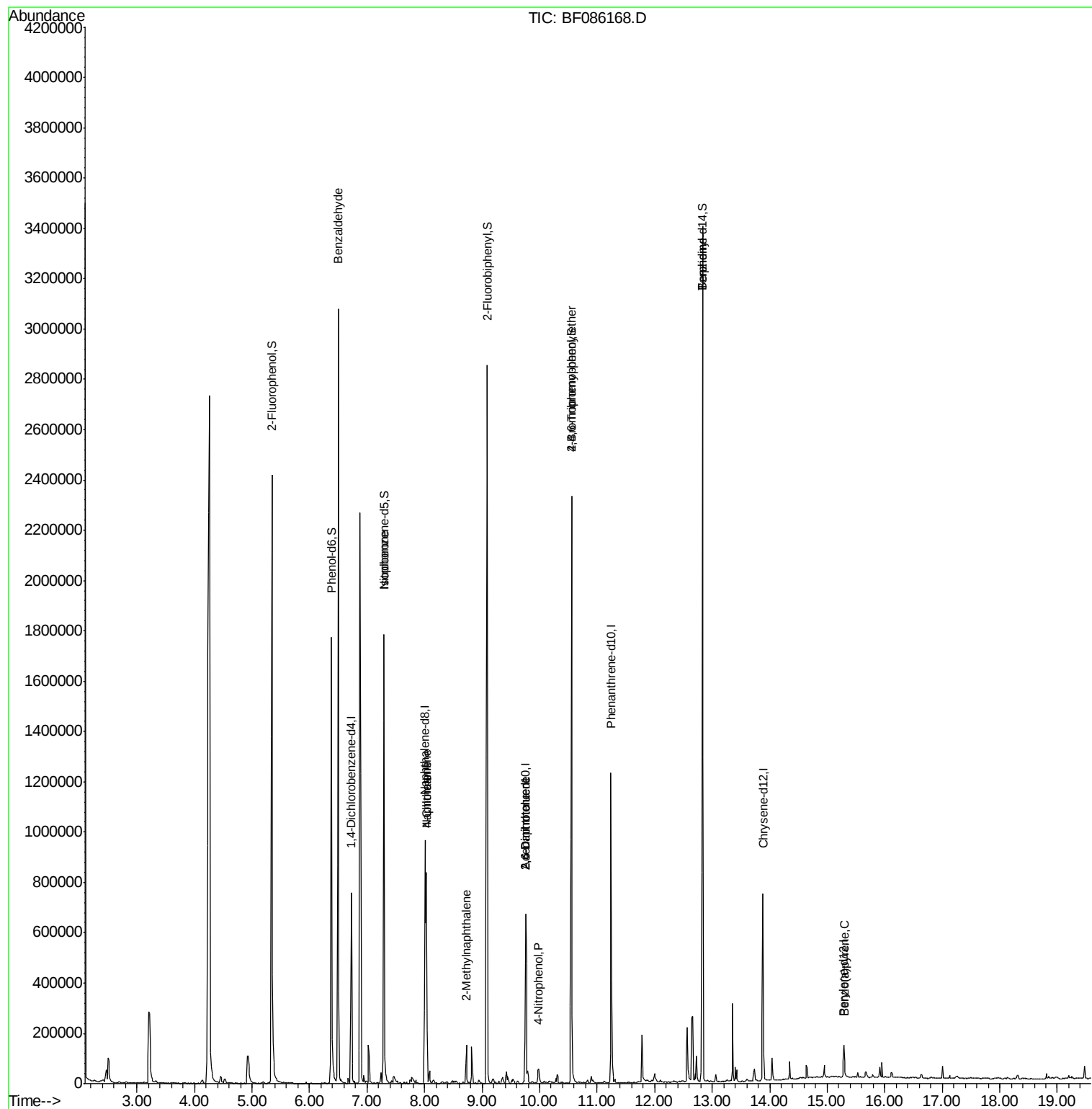
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	132010	20.00	ng	-0.05
21) Naphthalene-d8	8.01	136	540106	20.00	ng	-0.06
38) Acenaphthene-d10	9.76	164	169064	20.00	ng	-0.06
63) Phenanthrene-d10	11.24	188	447249	20.00	ng	-0.06
75) Chrysene-d12	13.88	240	201758	20.00	ng	-0.05
86) Perylene-d12	15.28	264	4719	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	988329	127.97	ng	-0.02
7) Phenol-d6	6.38	99	949623	96.80	ng	-0.03
23) Nitrobenzene-d5	7.30	82	867202	94.69	ng	-0.05
41) 2,4,6-Tribromophenol	10.56	330	351667	221.62	ng	-0.05
44) 2-Fluorobiphenyl	9.09	172	1571736	154.58	ng	-0.05
78) Terphenyl-d14	12.83	244	1207527	140.69	ng	-0.05
Target Compounds						
9) Benzaldehyde	6.50	77	20038	3.80	ng	Qvalue 87
25) Isophorone	7.30	82	846802	46.84	ng	# 68
31) Naphthalene	8.03	128	468280	17.24	ng	98
33) 4-Chloroaniline	8.03	127	61418	5.60	ng	# 35
37) 2-Methylnaphthalene	8.73	142	54880	3.09	ng	98
50) 2,6-Dinitrotoluene	9.76	165	21532	8.12	ng	# 21
55) 4-Nitrophenol	9.97	139	8098	4.30	ng	# 10
56) 2,4-Dinitrotoluene	9.76	165	21529	6.43	ng	# 39
66) 4-Bromophenyl-phenylether	10.56	248	24034	5.26	ng	# 1
76) Benzydine	12.83	184	16666	2.34	ng	# 91
89) Benzo(a)pyrene	15.30	252	1536	5.84	ng	# 1

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

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040816\
Data File : BF086168.D
Acq On : 8 Apr 2016 15:11
Operator : UM/SJ
Sample : H2166-04RE
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-OFL4-AND-L5RE

Quant Time: Apr 08 23:17:21 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 01 23:17:06 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.05 min

Lab File: BF086168.D

Acq: 8 Apr 2016 15:11

Instrument :

BNA_F

ClientSampleId :

COMP-OFL4-AND-L5RE

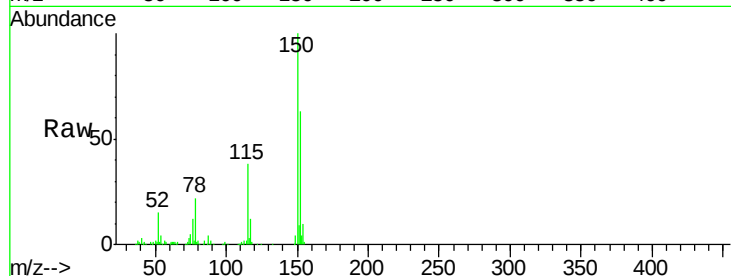
Tgt Ion:152 Resp: 132010

Ion Ratio Lower Upper

152 100

150 158.0 124.2 186.2

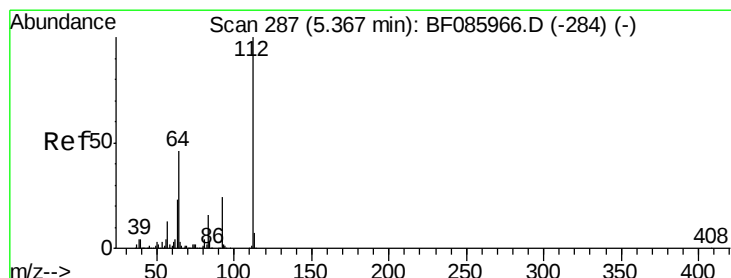
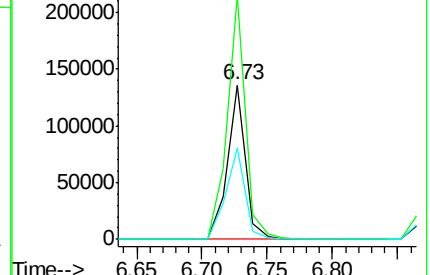
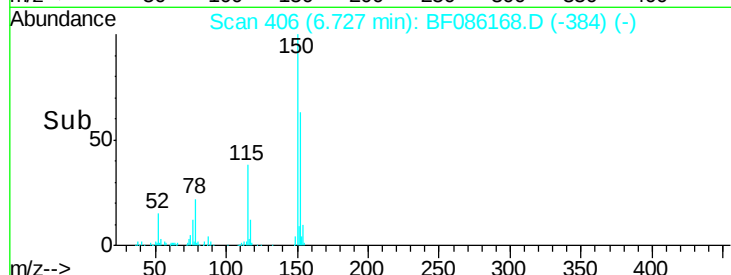
115 59.6 47.0 70.6



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: 127.97 ng

RT: 5.34 min Scan# 285

Delta R.T. -0.02 min

Lab File: BF086168.D

Acq: 8 Apr 2016 15:11

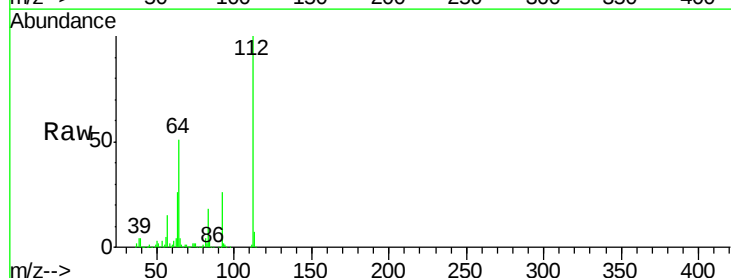
Tgt Ion:112 Resp: 988329

Ion Ratio Lower Upper

112 100

64 50.6 39.9 59.9

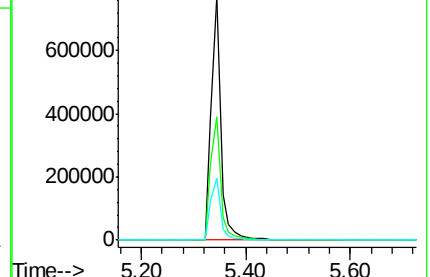
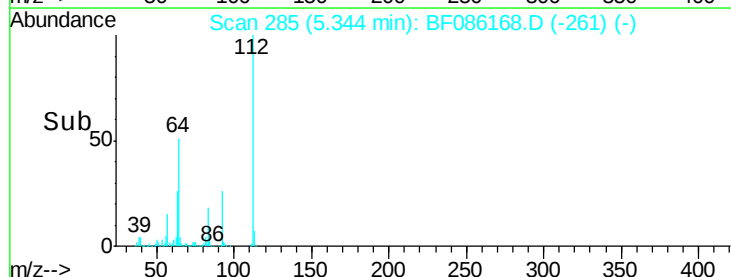
63 25.5 20.2 30.2

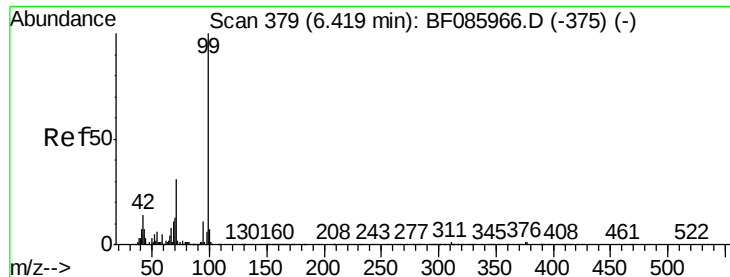


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 96.80 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.03 min

Lab File: BF086168.D

Acq: 8 Apr 2016 15:11

Instrument :

BNA_F

ClientSampleId :

COMP-OFL4-AND-L5RE

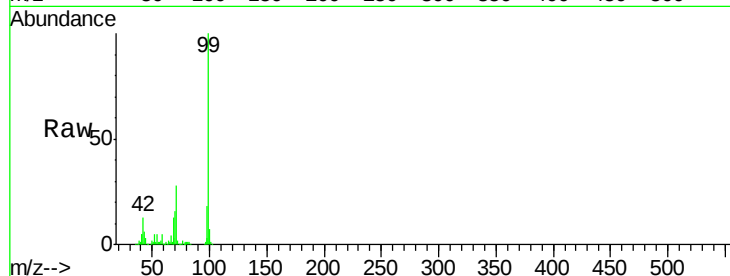
Tgt Ion: 99 Resp: 949623

Ion Ratio Lower Upper

99 100

42 12.6 11.1 16.7

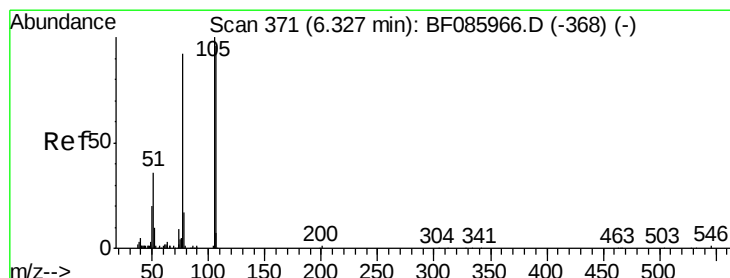
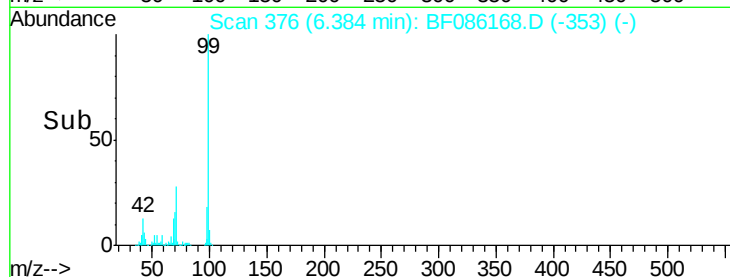
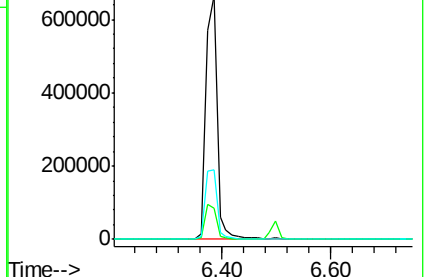
71 28.3 24.9 37.3



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: 3.80 ng

RT: 6.50 min Scan# 386

Delta R.T. 0.17 min

Lab File: BF086168.D

Acq: 8 Apr 2016 15:11

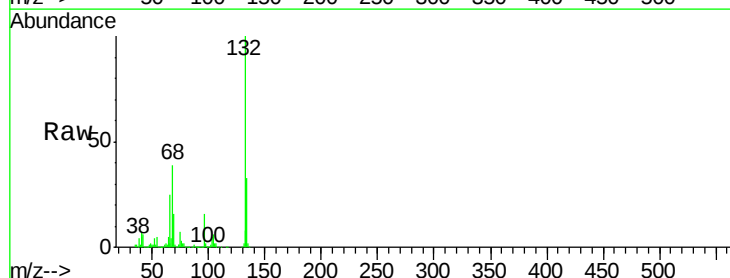
Tgt Ion: 77 Resp: 20038

Ion Ratio Lower Upper

77 100

105 85.7 80.1 120.1

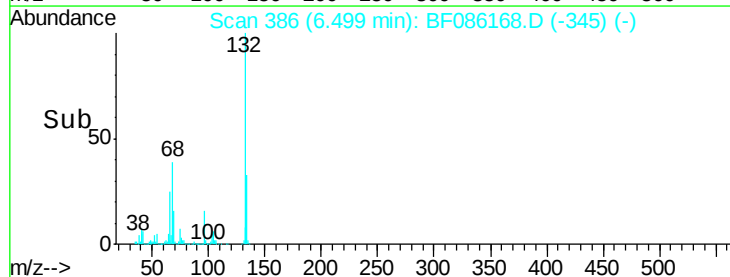
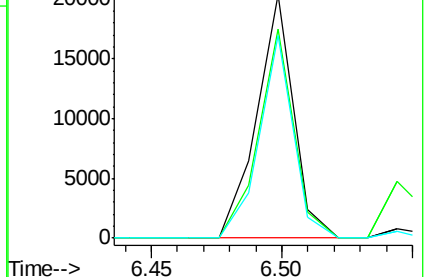
106 83.1 75.0 115.0

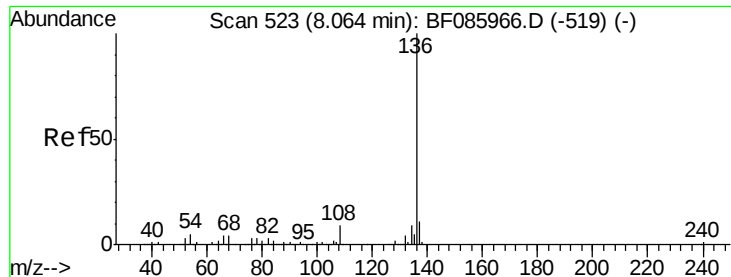


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.06 min

Lab File: BF086168.D

Acq: 8 Apr 2016 15:11

Instrument :

BNA_F

ClientSampleId :

COMP-OFL4-AND-L5RE

Tgt Ion: 136 Resp: 540106

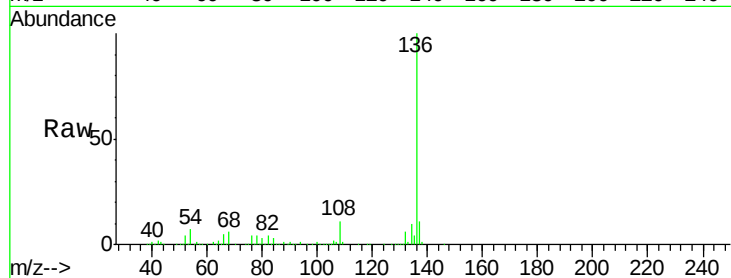
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 7.5 7.4 11.0

68 6.4 5.8 8.8

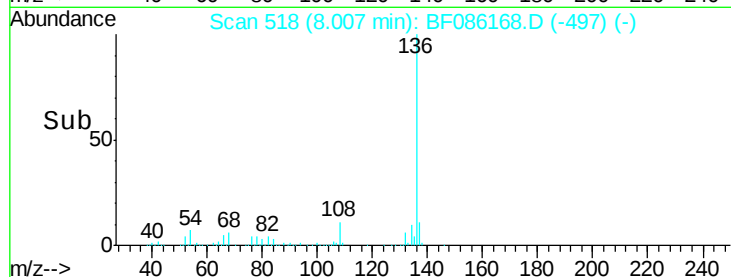


Abundance Ion 136.00 (135.70 to 136.70): E

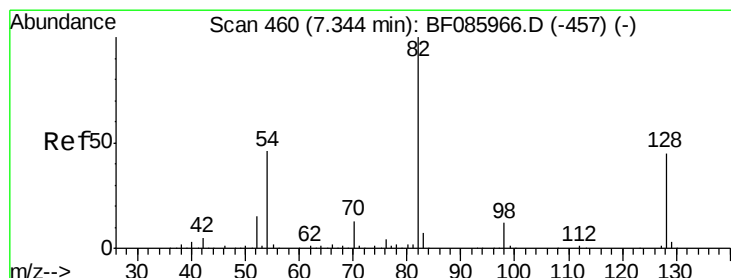
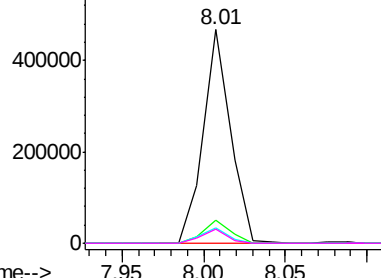
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 94.69 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.05 min

Lab File: BF086168.D

Acq: 8 Apr 2016 15:11

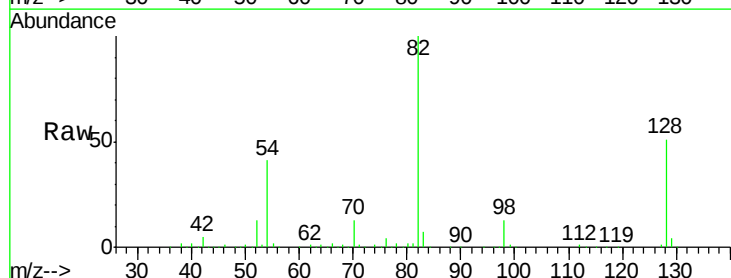
Tgt Ion: 82 Resp: 867202

Ion Ratio Lower Upper

82 100

128 51.5 41.8 62.8

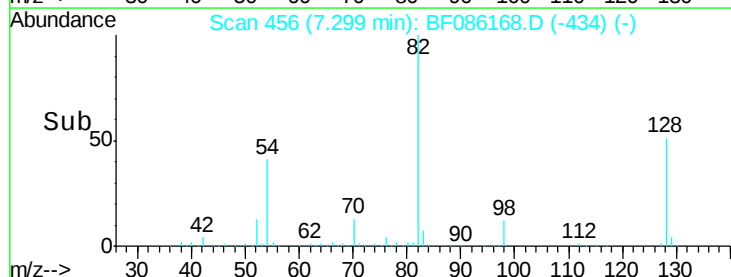
54 41.3 33.4 50.0



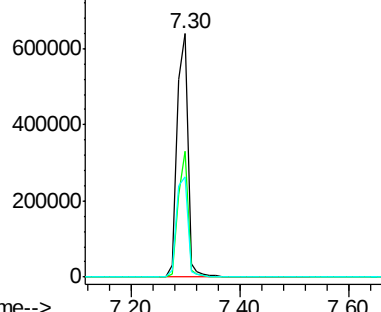
Abundance Ion 82.00 (81.70 to 82.70): BF0

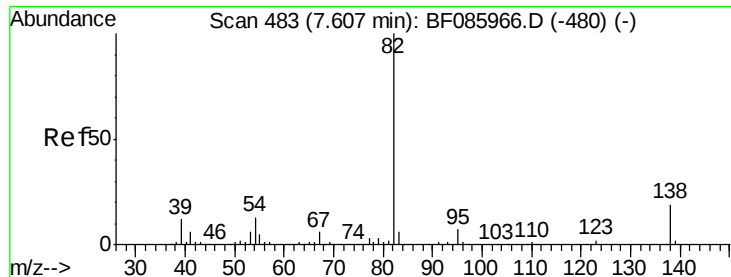
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 46.84 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.31 min

Lab File: BF086168.D

Acq: 8 Apr 2016 15:11

Instrument :

BNA_F

ClientSampleId :

COMP-OFL4-AND-L5RE

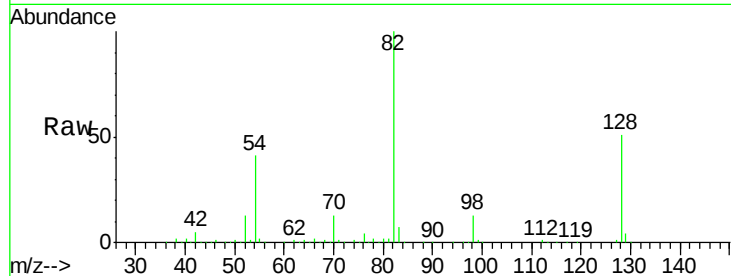
Tgt Ion: 82 Resp: 846802

Ion Ratio Lower Upper

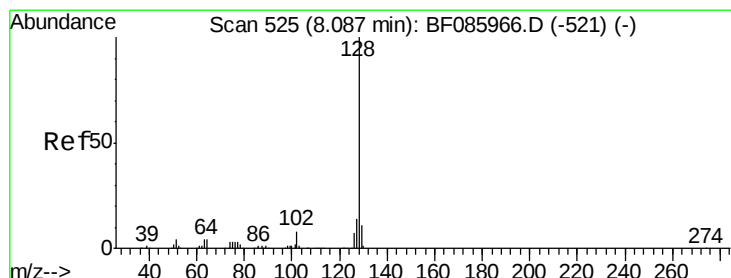
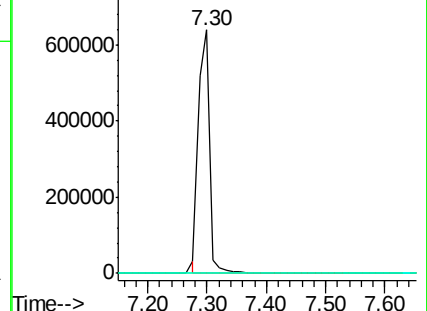
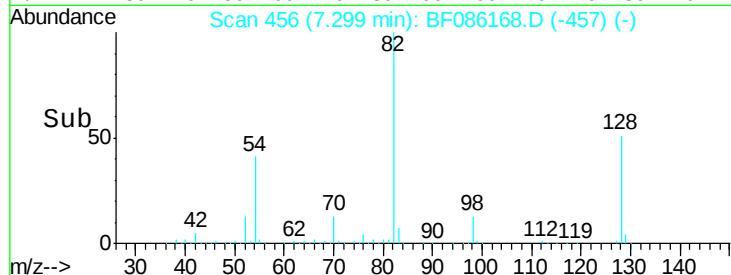
82 100

95 0.0 5.4 8.2#

138 0.0 12.9 19.3#



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: 17.24 ng

RT: 8.03 min Scan# 520

Delta R.T. -0.06 min

Lab File: BF086168.D

Acq: 8 Apr 2016 15:11

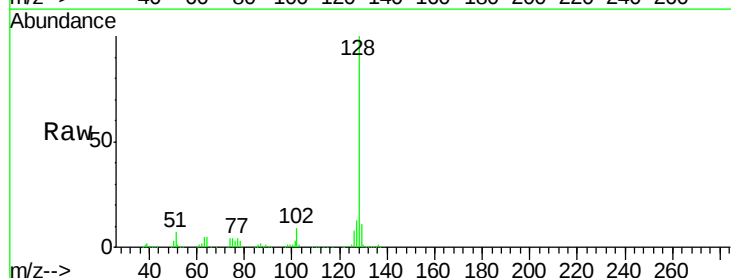
Tgt Ion: 128 Resp: 468280

Ion Ratio Lower Upper

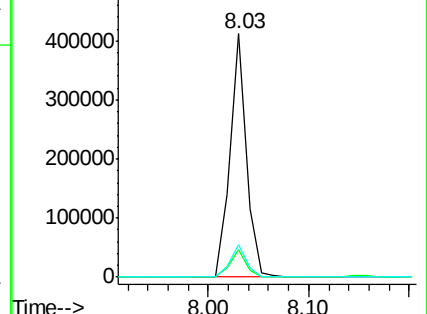
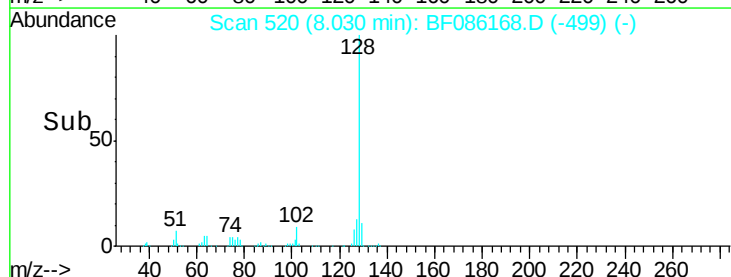
128 100

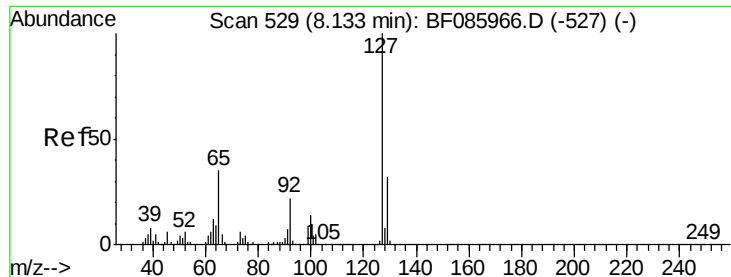
129 11.1 9.4 14.0

127 13.2 11.0 16.6



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

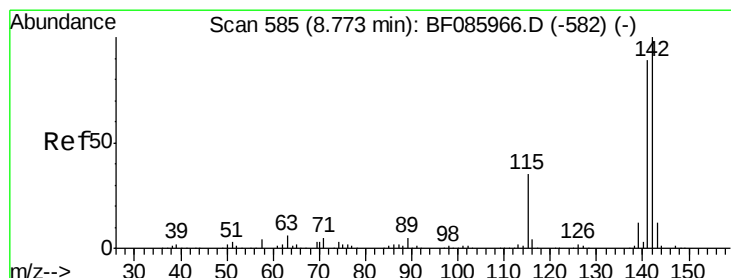
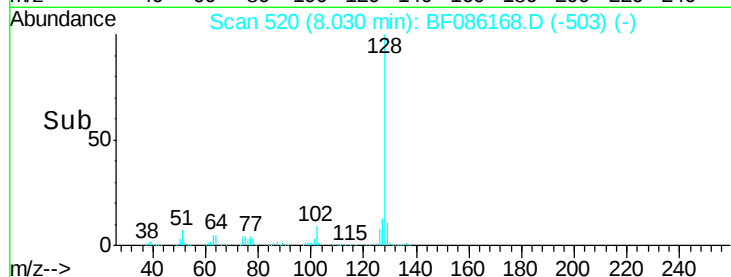
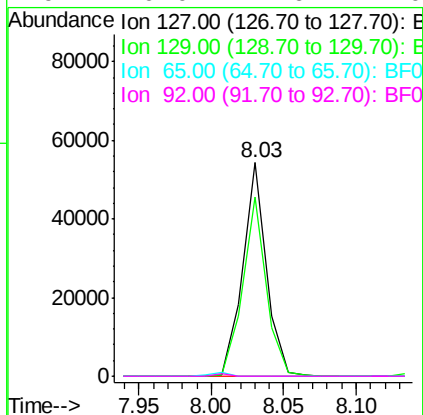
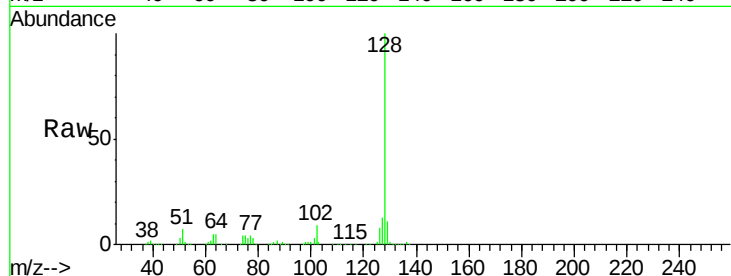




#33
4-Chloroaniline
Concen: 5.60 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.10 min
Lab File: BF086168.D
Acq: 8 Apr 2016 15:11

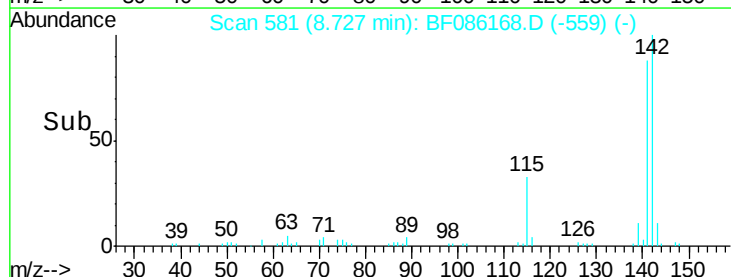
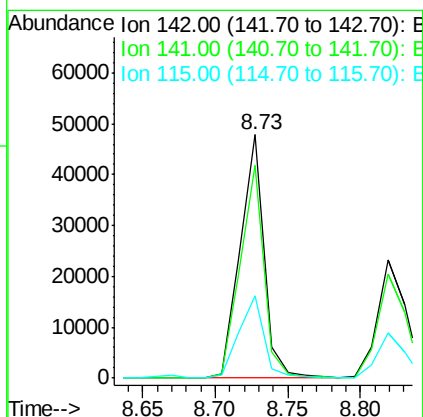
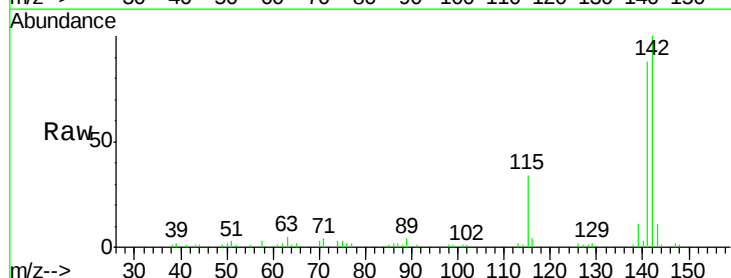
Instrument :
BNA_F
ClientSampleId :
COMP-OFL4-AND-L5RE

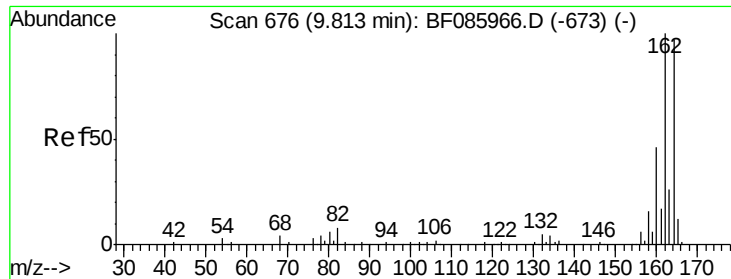
Tgt Ion	Ratio	Lower	Upper
127	100		
129	84.0	26.1	39.1#
65	0.0	19.5	29.3#
92	0.0	14.6	22.0#



#37
2-Methylnaphthalene
Concen: 3.09 ng
RT: 8.73 min Scan# 581
Delta R.T. -0.05 min
Lab File: BF086168.D
Acq: 8 Apr 2016 15:11

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.6	71.6	107.4
115	33.8	26.8	40.2

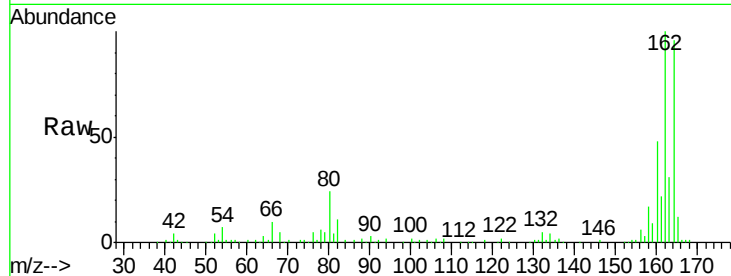




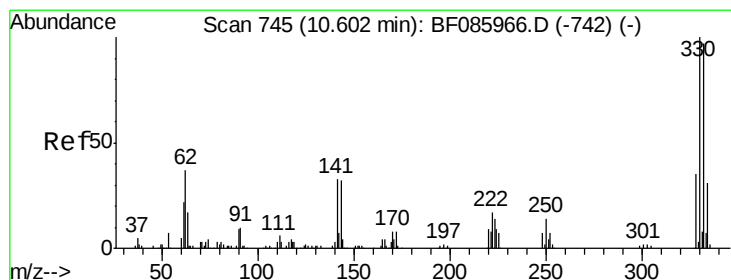
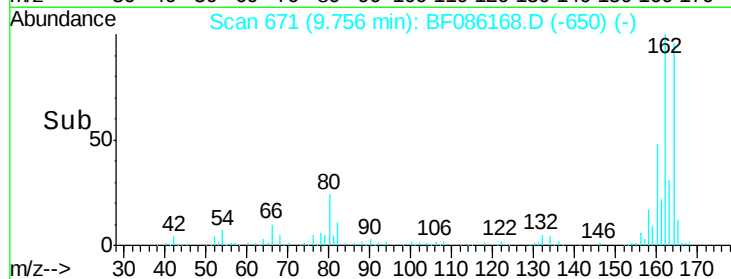
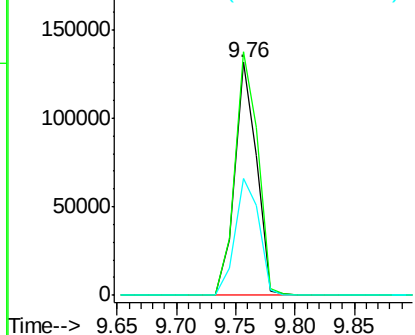
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.76 min Scan# 671
 Delta R.T. -0.06 min
 Lab File: BF086168.D
 Acq: 8 Apr 2016 15:11

Instrument :
 BNA_F
 ClientSampleId :
 COMP-OFL4-AND-L5RE

Tgt Ion:164 Resp: 169064
 Ion Ratio Lower Upper
 164 100
 162 104.5 82.1 123.1
 160 50.1 37.4 56.2

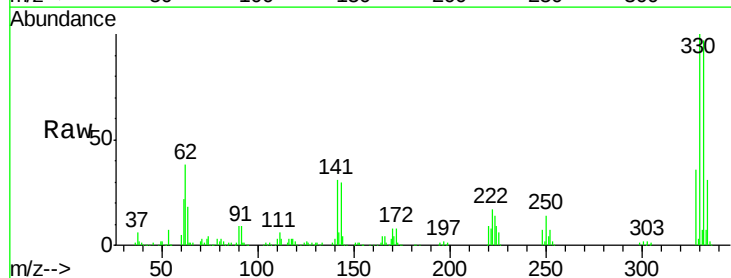


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

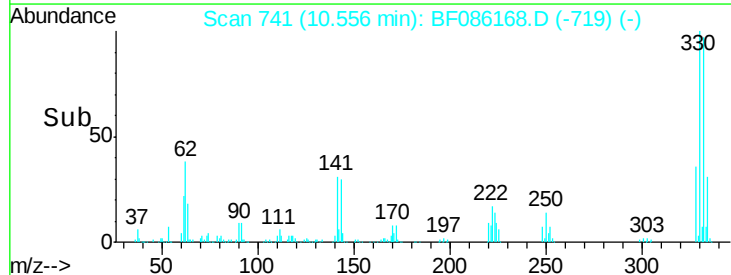
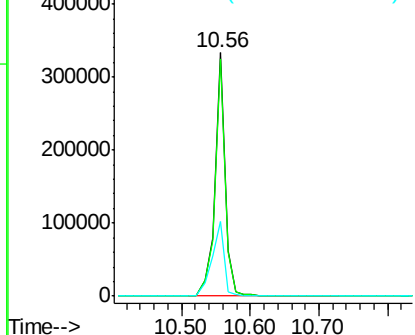


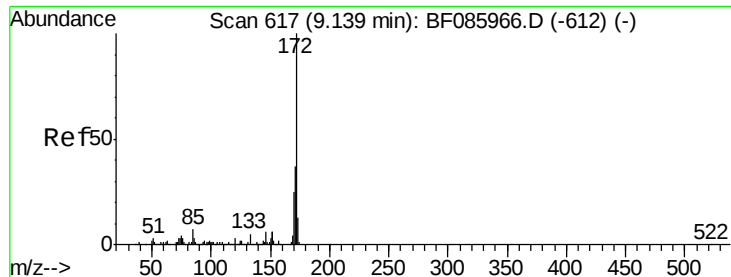
#41
 2,4,6-Tribromophenol
 Concen: 221.62 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.05 min
 Lab File: BF086168.D
 Acq: 8 Apr 2016 15:11

Tgt Ion:330 Resp: 351667
 Ion Ratio Lower Upper
 330 100
 332 97.0 78.2 117.2
 141 36.9 31.5 47.3



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: 154.58 ng

RT: 9.09 min Scan# 613

Delta R.T. -0.05 min

Lab File: BF086168.D

Acq: 8 Apr 2016 15:11

Instrument :

BNA_F

ClientSampleId :

COMP-OFL4-AND-L5RE

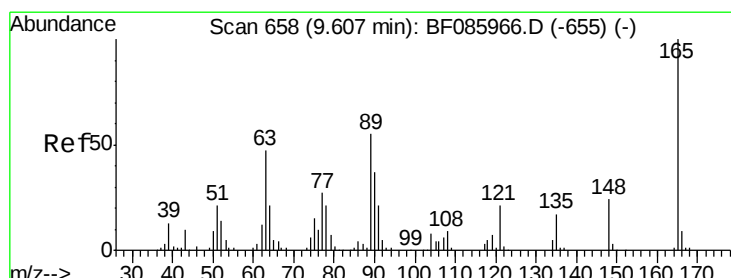
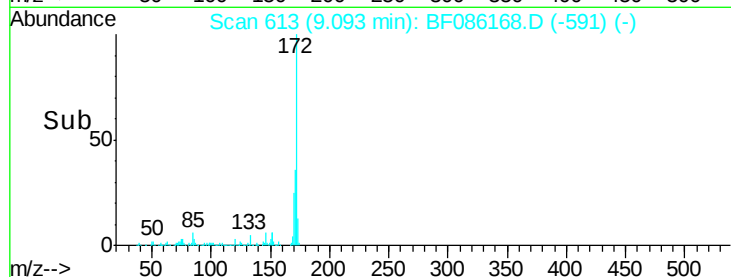
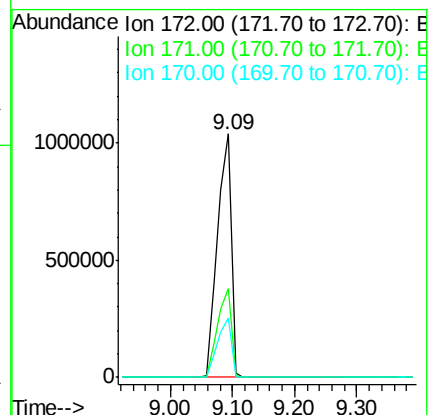
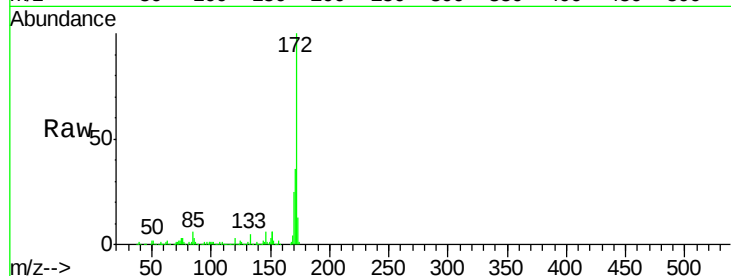
Tgt Ion:172 Resp: 1571736

Ion Ratio Lower Upper

172 100

171 36.4 29.4 44.2

170 24.5 19.8 29.6



#50

2,6-Dinitrotoluene

Concen: 8.12 ng

RT: 9.76 min Scan# 671

Delta R.T. 0.15 min

Lab File: BF086168.D

Acq: 8 Apr 2016 15:11

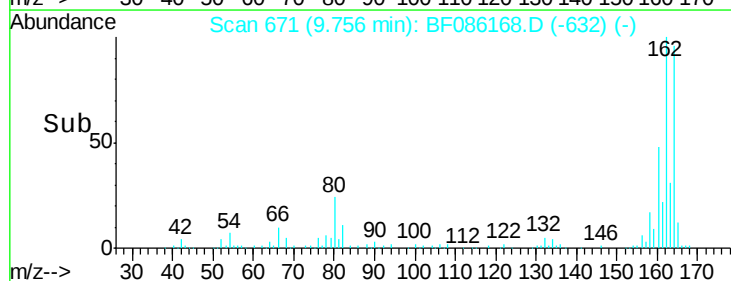
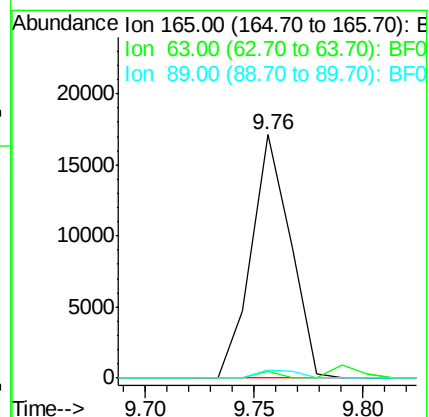
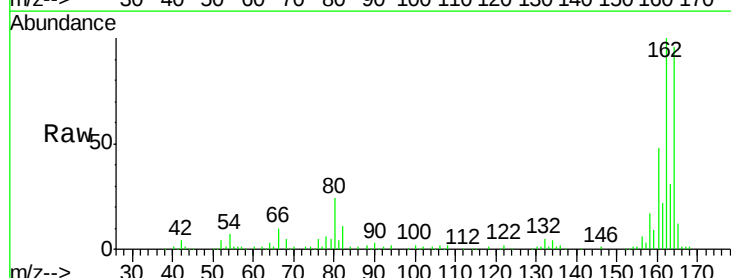
Tgt Ion:165 Resp: 21532

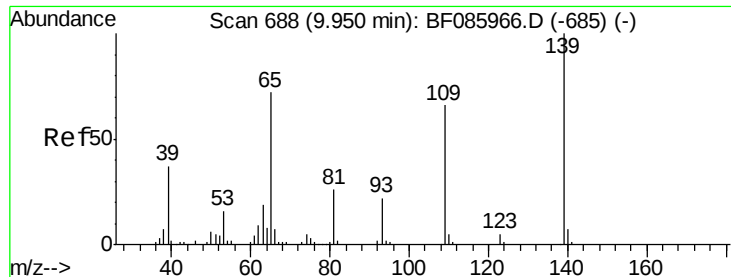
Ion Ratio Lower Upper

165 100

63 2.8 51.8 77.8#

89 3.1 53.7 80.5#





#55

4-Nitrophenol

Concen: 4.30 ng

RT: 9.97 min Scan# 690

Delta R.T. 0.02 min

Lab File: BF086168.D

Acq: 8 Apr 2016 15:11

Instrument :

BNA_F

ClientSampleId :

COMP-OFL4-AND-L5RE

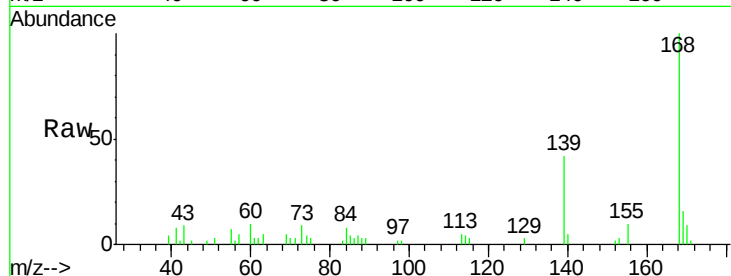
Tgt Ion:139 Resp: 8098

Ion Ratio Lower Upper

139 100

109 0.0 49.2 89.2#

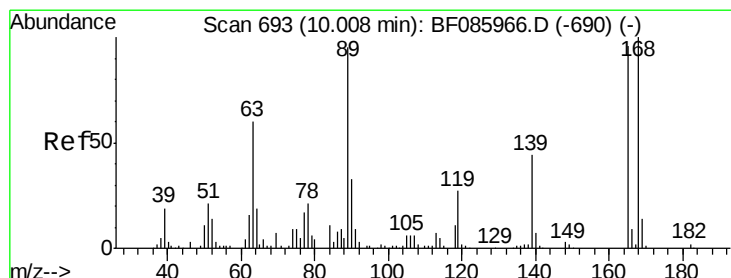
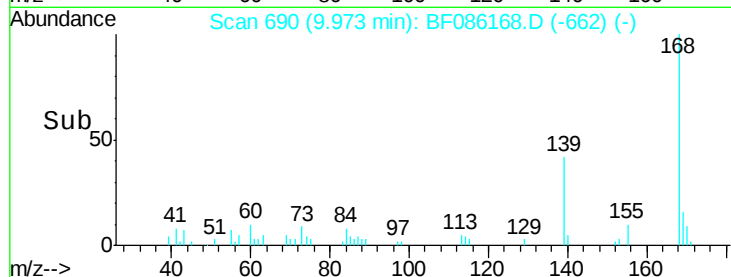
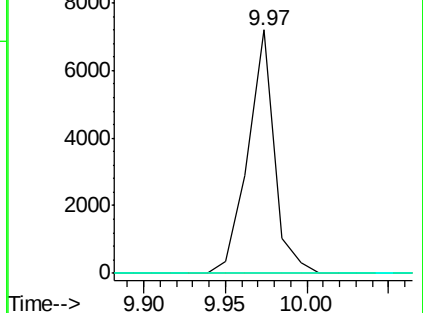
65 0.0 66.9 106.9#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 6.43 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.25 min

Lab File: BF086168.D

Acq: 8 Apr 2016 15:11

Tgt Ion:165 Resp: 21529

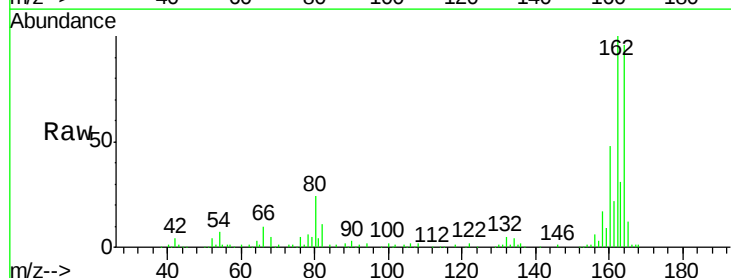
Ion Ratio Lower Upper

165 100

63 2.8 24.9 37.3#

89 3.1 41.0 61.6#

182 0.0 2.1 3.1#

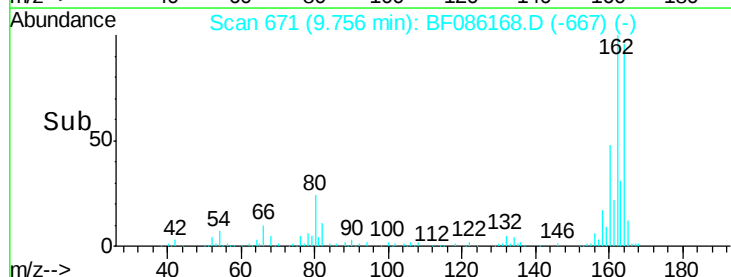
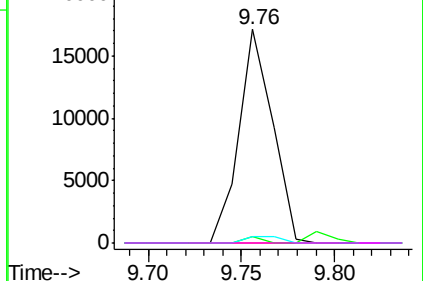


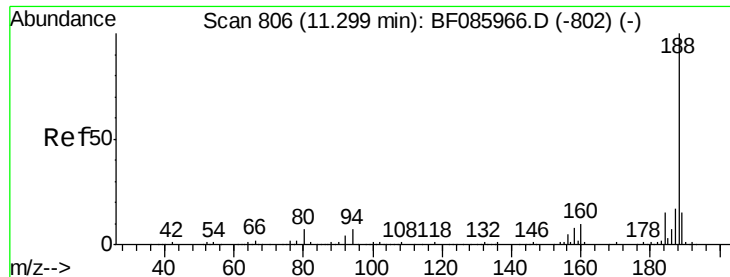
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

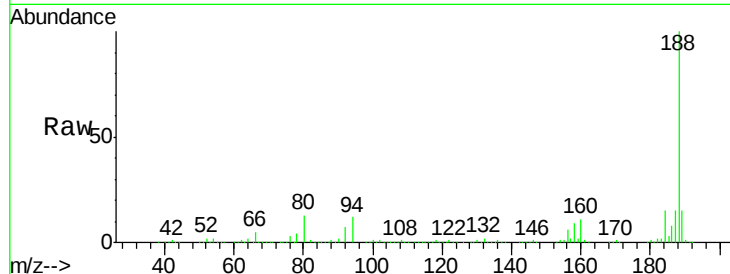




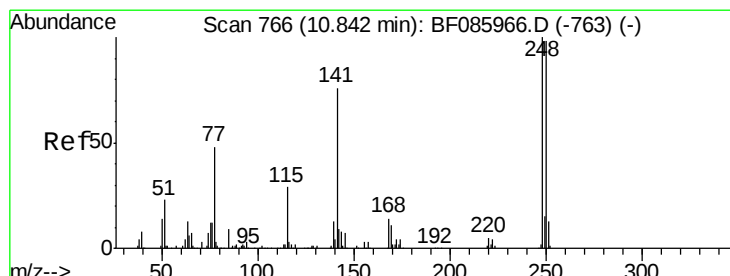
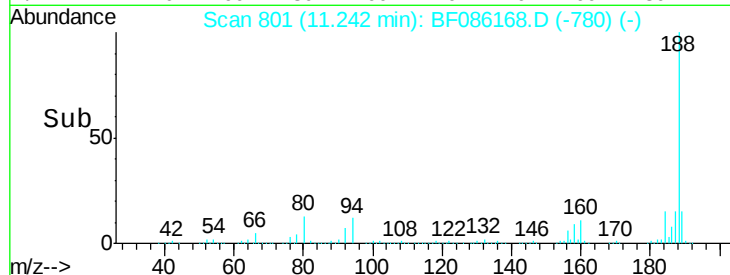
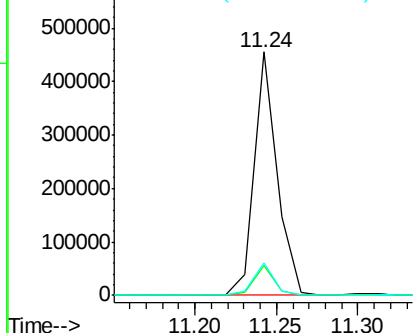
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.24 min Scan# 801
 Delta R.T. -0.06 min
 Lab File: BF086168.D
 Acq: 8 Apr 2016 15:11

Instrument :
 BNA_F
 ClientSampleId :
 COMP-OFL4-AND-L5RE

Tgt Ion:188 Resp: 447249
 Ion Ratio Lower Upper
 188 100
 94 12.1 5.4 8.0#
 80 13.2 5.5 8.3#

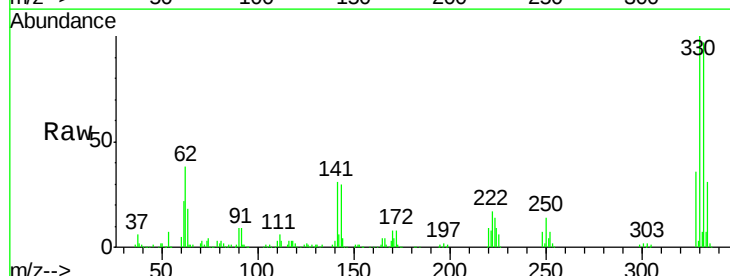


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

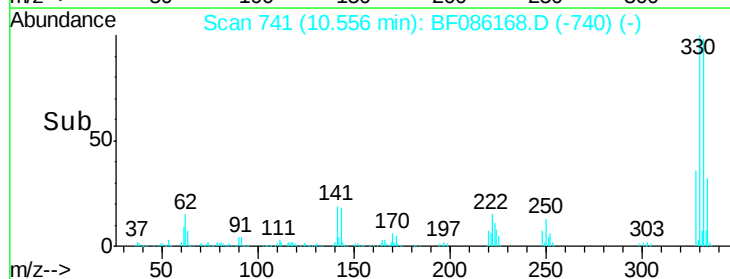
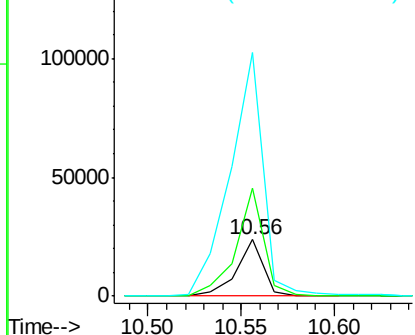


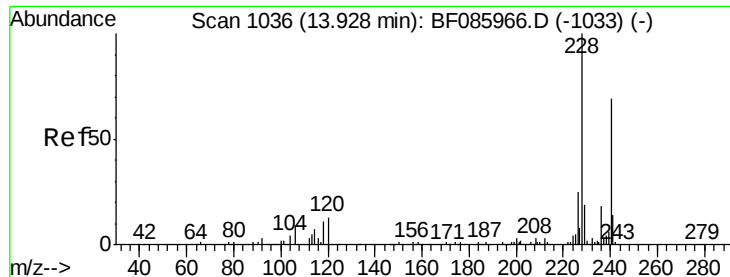
#66
 4-Bromophenyl-phenylether
 Concen: 5.26 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.29 min
 Lab File: BF086168.D
 Acq: 8 Apr 2016 15:11

Tgt Ion:248 Resp: 24034
 Ion Ratio Lower Upper
 248 100
 250 192.6 77.4 116.0#
 141 432.3 63.6 95.4#



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: 20.00 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.05 min

Lab File: BF086168.D

Acq: 8 Apr 2016 15:11

Instrument :

BNA_F

ClientSampleId :

COMP-OFL4-AND-L5RE

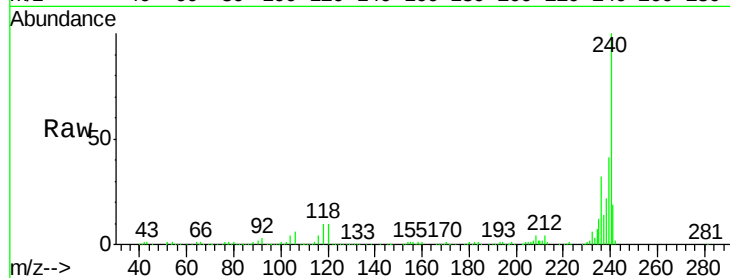
Tgt Ion:240 Resp: 201758

Ion Ratio Lower Upper

240 100

120 9.9 13.8 20.8#

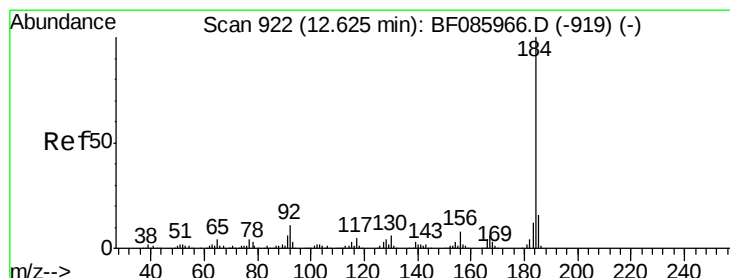
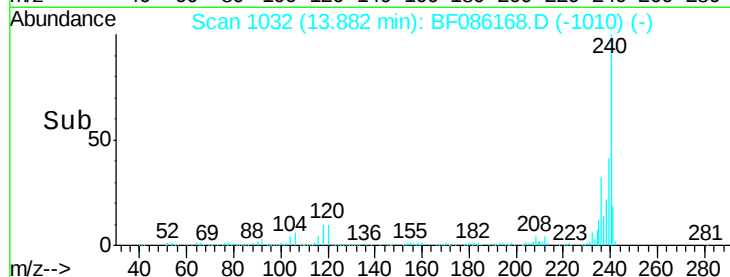
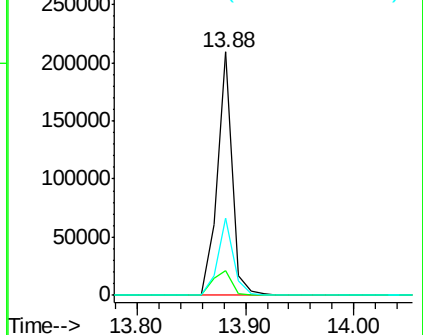
236 31.5 20.6 30.8#



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: 2.34 ng

RT: 12.83 min Scan# 940

Delta R.T. 0.21 min

Lab File: BF086168.D

Acq: 8 Apr 2016 15:11

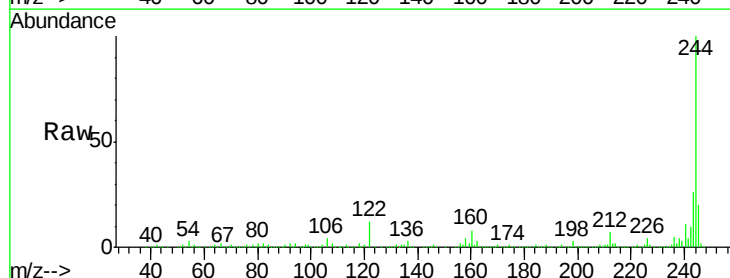
Tgt Ion:184 Resp: 16666

Ion Ratio Lower Upper

184 100

185 18.0 12.4 18.6

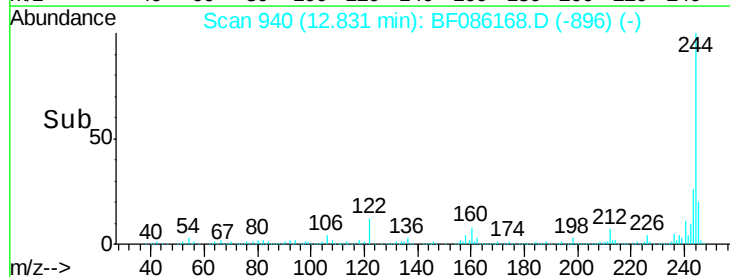
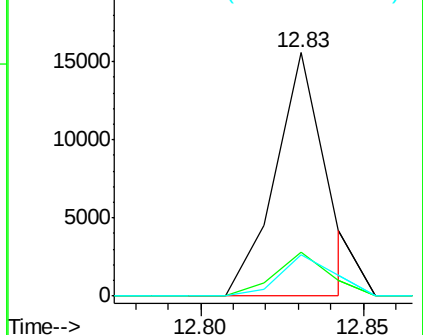
183 17.1 9.4 14.2#

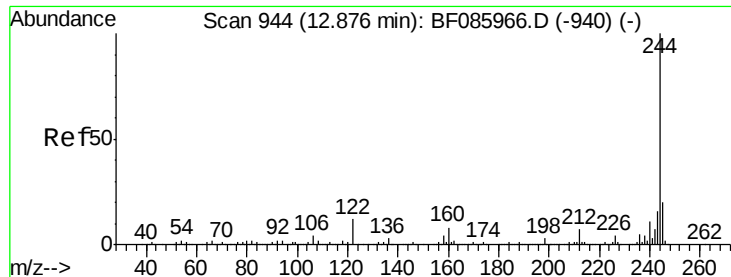


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 140.69 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.05 min

Lab File: BF086168.D

Acq: 8 Apr 2016 15:11

Instrument :

BNA_F

ClientSampleId :

COMP-OFL4-AND-L5RE

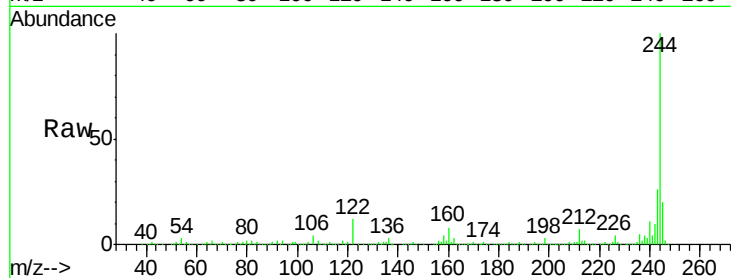
Tgt Ion:244 Resp: 1207527

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

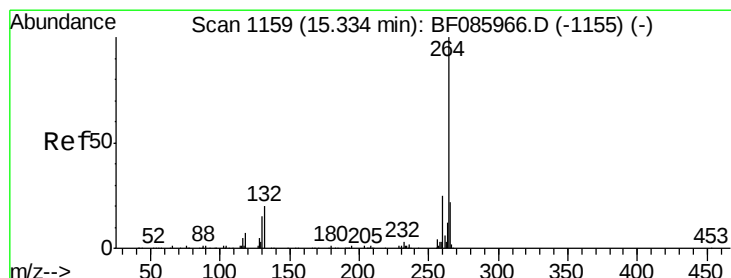
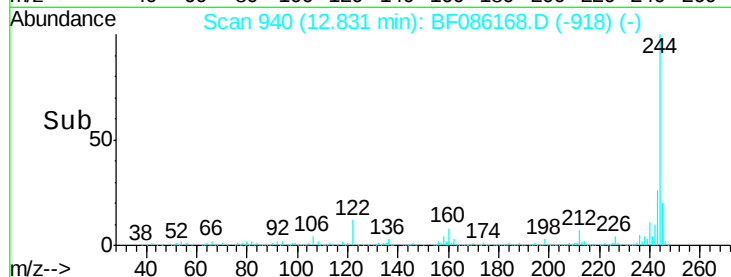
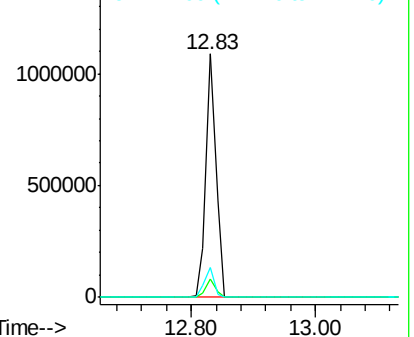
122 12.0 10.2 15.4



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: 15.28 min Scan# 1154

Delta R.T. -0.06 min

Lab File: BF086168.D

Acq: 8 Apr 2016 15:11

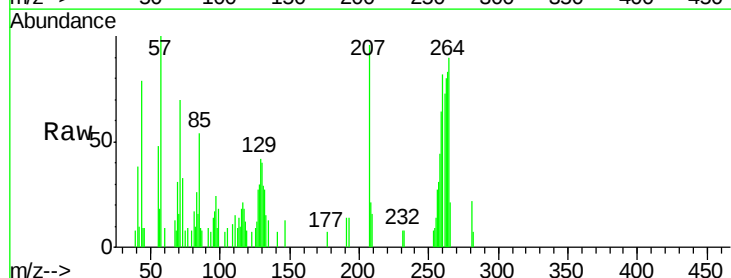
Tgt Ion:264 Resp: 4719

Ion Ratio Lower Upper

264 100

260 90.7 19.4 29.2#

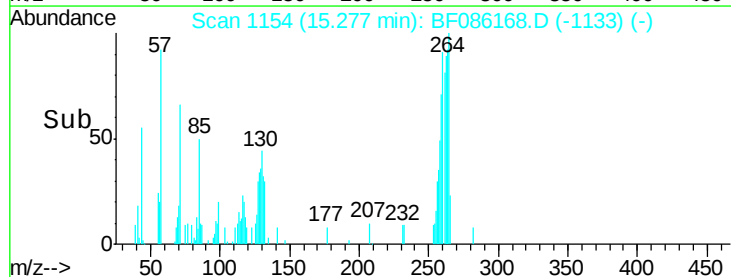
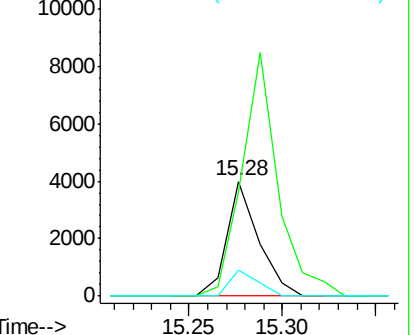
265 23.0 17.2 25.8

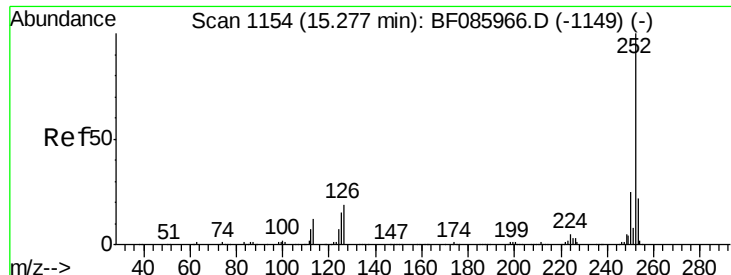


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#89

Benzo(a)pyrene

Concen: 5.84 ng

RT: 15.30 min Scan# 1156

Delta R.T. 0.02 min

Lab File: BF086168.D

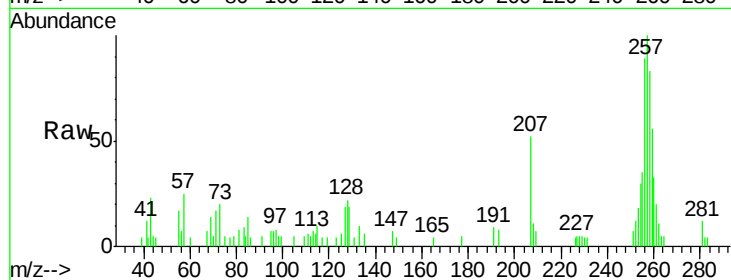
Acq: 8 Apr 2016 15:11

Instrument :

BNA_F

ClientSampleId :

COMP-OFL4-AND-L5RE



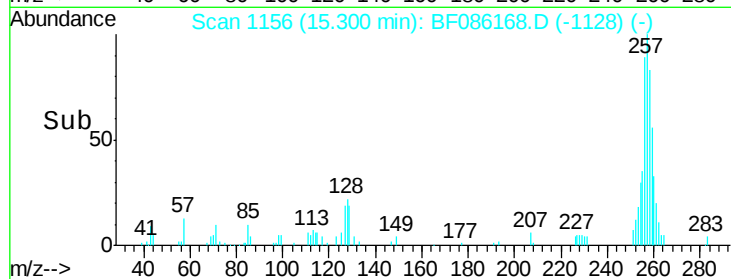
Tgt Ion:252 Resp: 1536

Ion Ratio Lower Upper

252 100

253 150.5 17.4 26.0#

125 51.8 10.3 15.5#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

