

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040716\
 Data File : BF086138.D
 Acq On : 7 Apr 2016 19:07
 Operator : UM/SJ
 Sample : H2230-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-1-040116

Quant Time: Apr 08 01:41:47 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

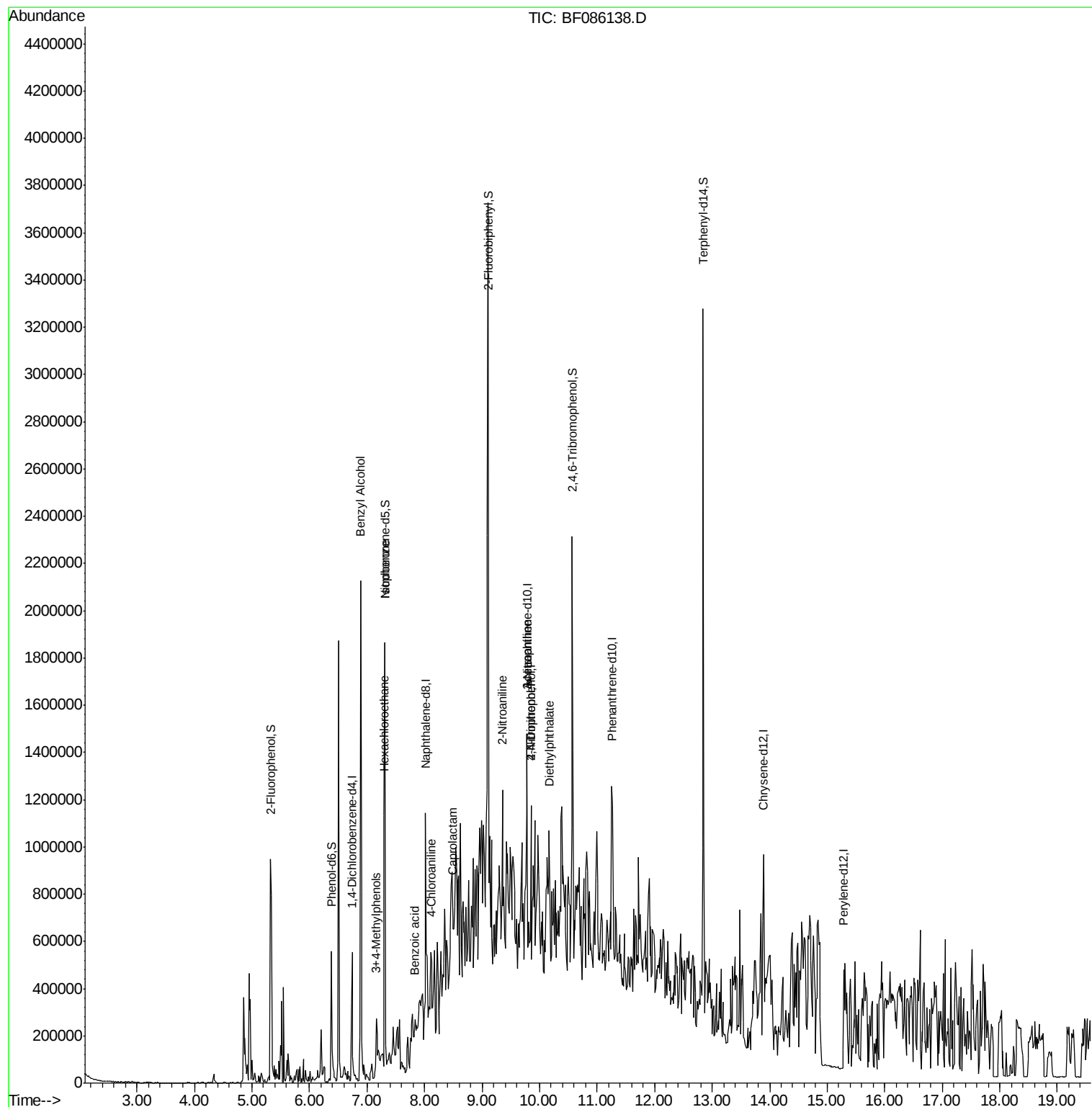
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	101872	20.00	ng	-0.03
21) Naphthalene-d8	8.02	136	414232	20.00	ng	-0.05
38) Acenaphthene-d10	9.78	164	193085	20.00	ng	-0.03
63) Phenanthrene-d10	11.25	188	348861	20.00	ng	-0.05
75) Chrysene-d12	13.89	240	267442	20.00	ng	-0.03
86) Perylene-d12	15.29	264	187427	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	428967	71.98	ng	-0.05
7) Phenol-d6	6.38	99	349019	46.10	ng	-0.03
23) Nitrobenzene-d5	7.31	82	729459	103.85	ng	-0.03
41) 2,4,6-Tribromophenol	10.57	330	278035	153.42	ng	-0.03
44) 2-Fluorobiphenyl	9.10	172	1152559	99.25	ng	-0.03
78) Terphenyl-d14	12.84	244	942684	82.86	ng	-0.03
Target Compounds						Qvalue
15) Benzyl Alcohol	6.89	79	11749	2.40	ng	# 51
18) Hexachloroethane	7.30	117	25834	9.05	ng	# 1
20) 3+4-Methylphenols	7.16	107	109671	16.09	ng	# 55
25) Isophorone	7.31	82	716247	51.66	ng	# 68
32) Benzoic acid	7.84	122	13635	2.81	ng	# 25
33) 4-Chloroaniline	8.12	127	30535	3.63	ng	# 61
35) Caprolactam	8.49	113	26139	14.76	ng	# 1
47) 2-Nitroaniline	9.36	65	14418	4.08	ng	# 25
52) 3-Nitroaniline	9.78	138	8743	2.40	ng	# 24
53) 2,4-Dinitrophenol	9.85	184	1495	3.33	ng	# 1
55) 4-Nitrophenol	9.85	139	8096	3.76	ng	# 1
59) Diethylphthalate	10.17	149	44500	3.08	ng	# 48

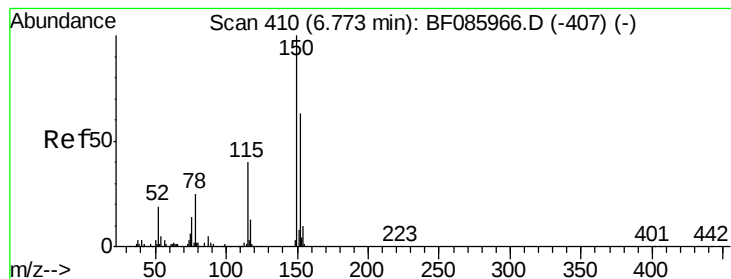
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF086138.D

Acq: 7 Apr 2016 19:07

Instrument :

BNA_F

ClientSampleId :

MW-1-040116

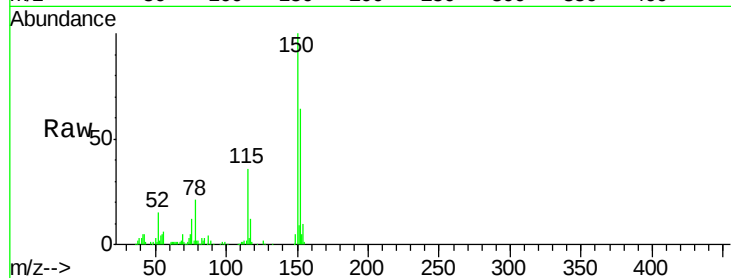
Tgt Ion:152 Resp: 101872

Ion Ratio Lower Upper

152 100

150 155.4 124.2 186.2

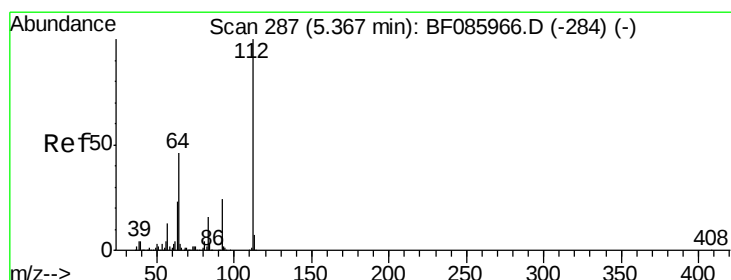
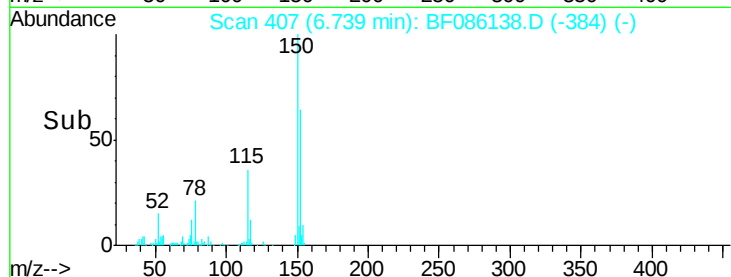
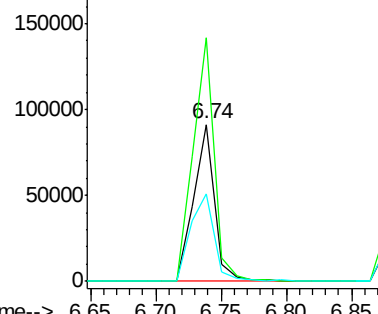
115 55.9 47.0 70.6



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: 71.98 ng

RT: 5.32 min Scan# 283

Delta R.T. -0.05 min

Lab File: BF086138.D

Acq: 7 Apr 2016 19:07

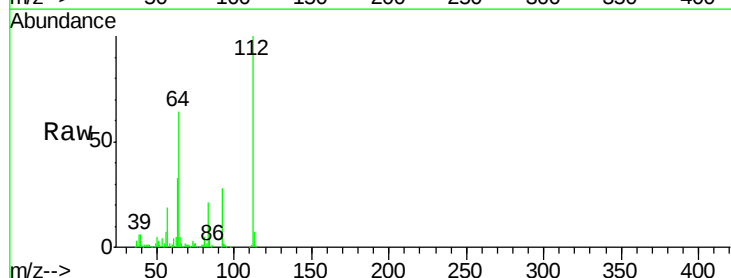
Tgt Ion:112 Resp: 428967

Ion Ratio Lower Upper

112 100

64 64.4 39.9 59.9#

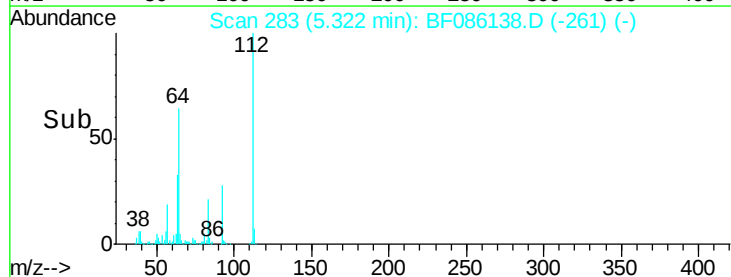
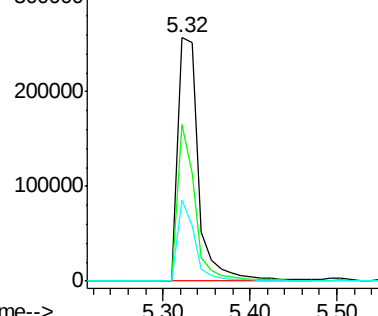
63 33.2 20.2 30.2#

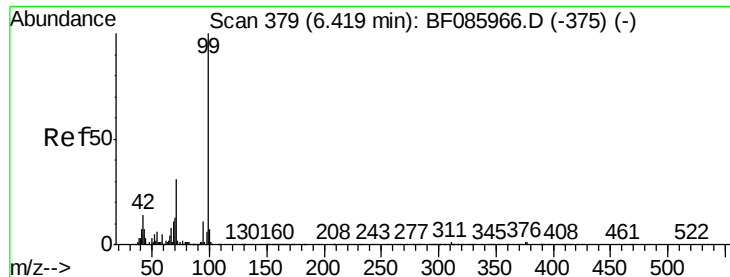


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 46.10 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.03 min

Lab File: BF086138.D

Acq: 7 Apr 2016 19:07

Instrument :

BNA_F

ClientSampleId :

MW-1-040116

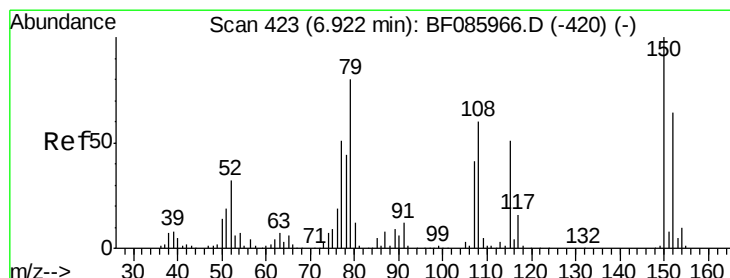
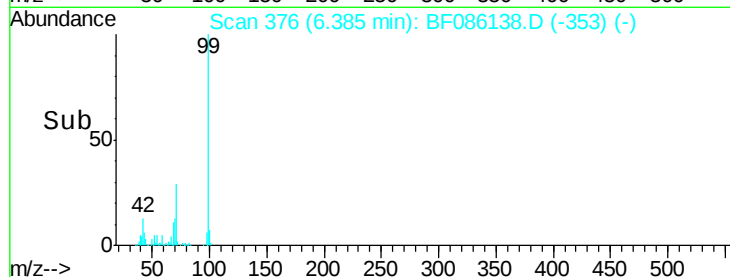
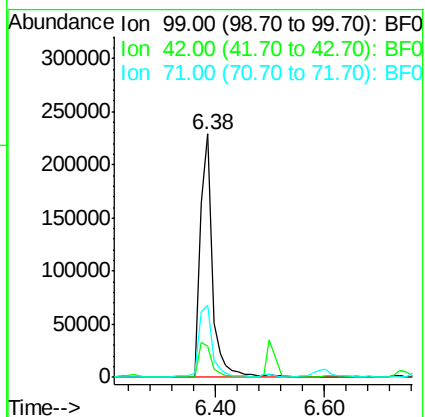
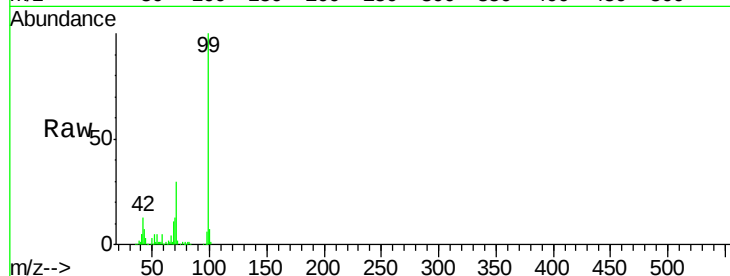
Tgt Ion: 99 Resp: 349019

Ion Ratio Lower Upper

99 100

42 12.7 11.1 16.7

71 29.6 24.9 37.3



#15

Benzyl Alcohol

Concen: 2.40 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.03 min

Lab File: BF086138.D

Acq: 7 Apr 2016 19:07

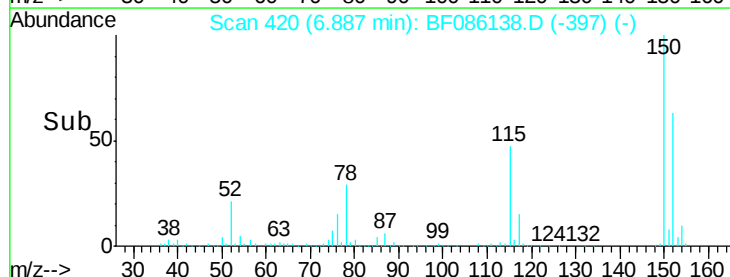
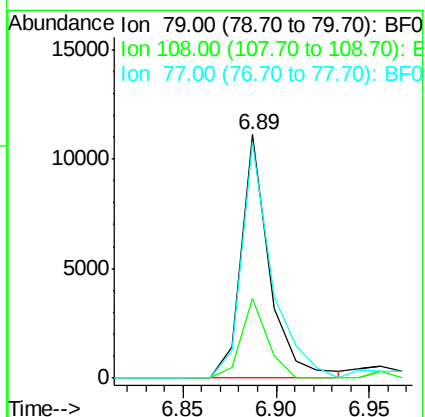
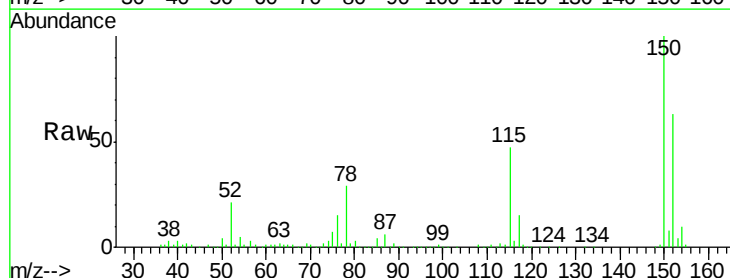
Tgt Ion: 79 Resp: 11749

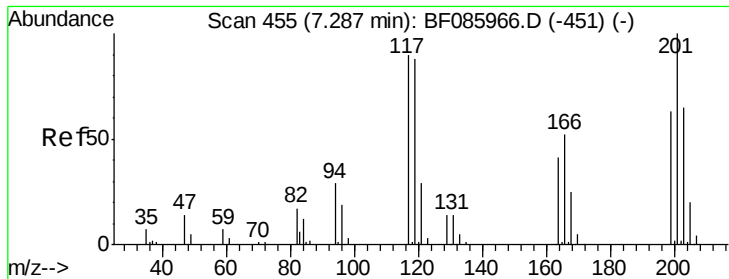
Ion Ratio Lower Upper

79 100

108 32.8 61.8 92.6#

77 97.0 49.6 74.4#

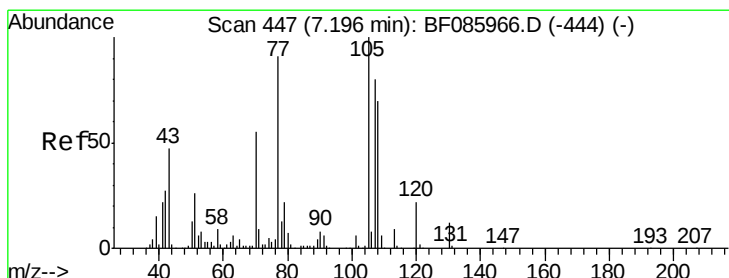
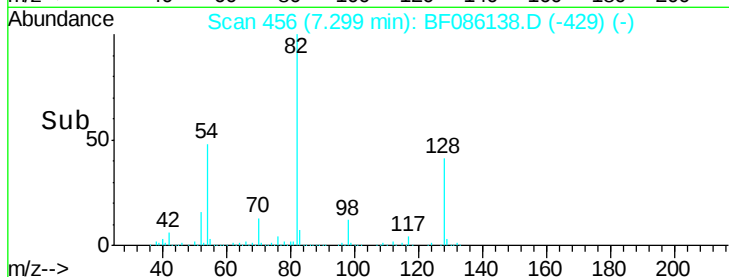
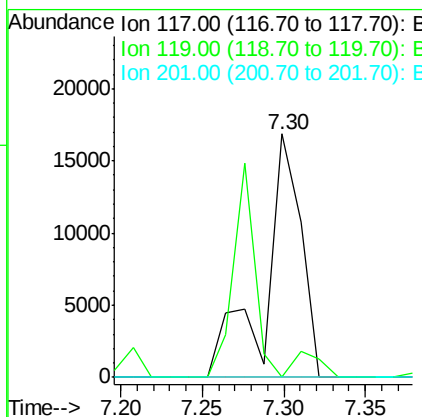
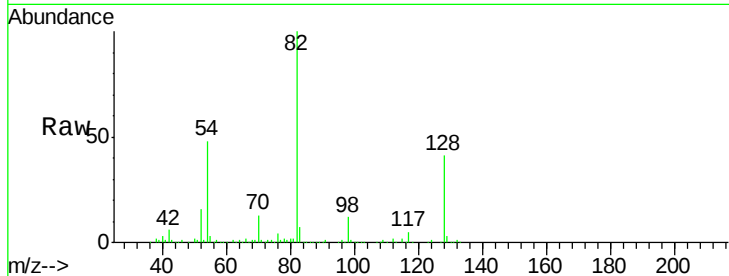




#18
Hexachloroethane
Concen: 9.05 ng
RT: 7.30 min Scan# 456
Delta R.T. 0.01 min
Lab File: BF086138.D
Acq: 7 Apr 2016 19:07

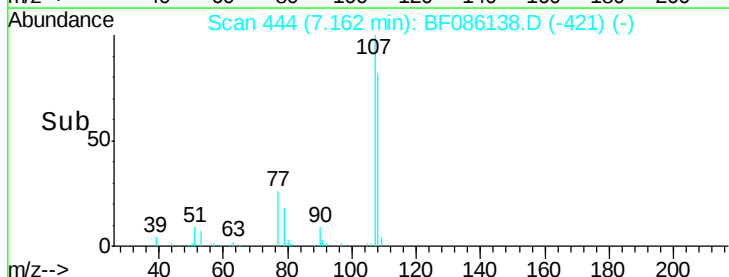
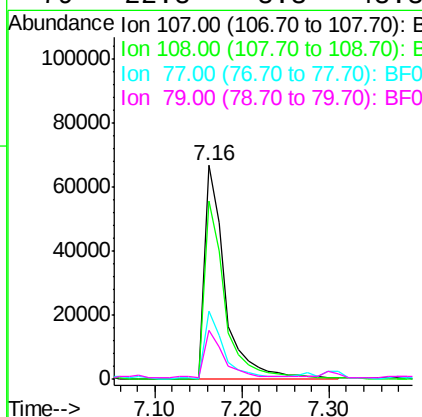
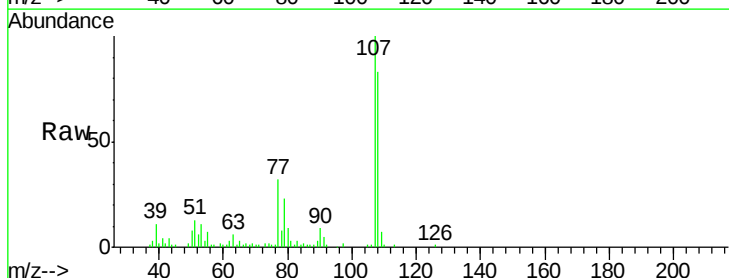
Instrument :
BNA_F
ClientSampleId :
MW-1-040116

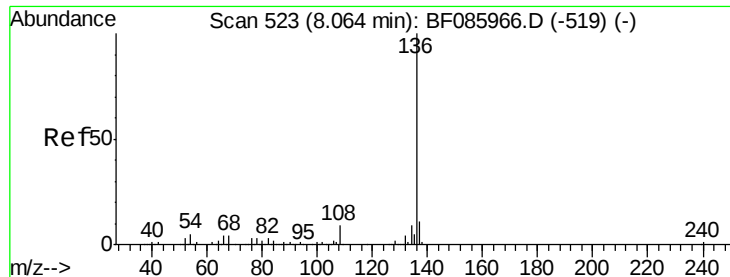
Tgt Ion:117 Resp: 25834
Ion Ratio Lower Upper
117 100
119 0.0 76.7 115.1#
201 0.0 83.3 124.9#



#20
3+4-Methylphenols
Concen: 16.09 ng
RT: 7.16 min Scan# 444
Delta R.T. -0.03 min
Lab File: BF086138.D
Acq: 7 Apr 2016 19:07

Tgt Ion:107 Resp: 109671
Ion Ratio Lower Upper
107 100
108 83.0 69.3 109.3
77 31.5 101.7 141.7#
79 22.8 8.3 48.3





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 519

Delta R.T. -0.05 min

Lab File: BF086138.D

Acq: 7 Apr 2016 19:07

Instrument :

BNA_F

ClientSampleId :

MW-1-040116

Tgt Ion:136 Resp: 414232

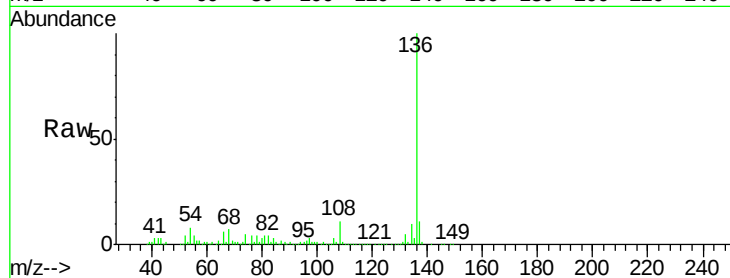
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 8.2 7.4 11.0

68 7.0 5.8 8.8

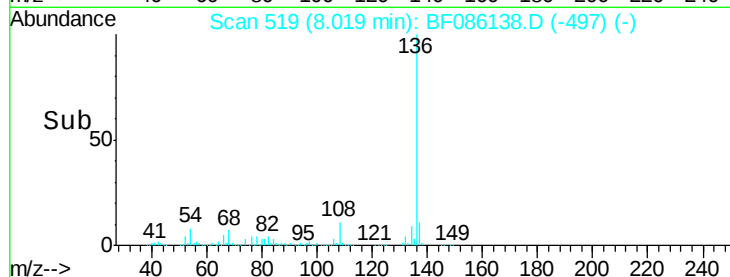


Abundance Ion 136.00 (135.70 to 136.70): E

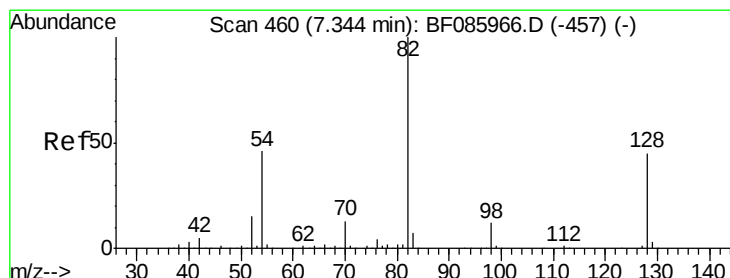
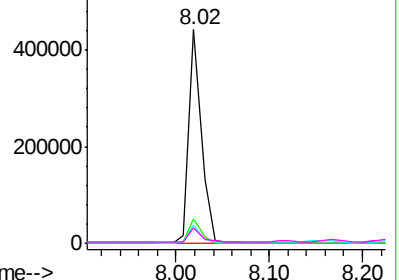
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 103.85 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.03 min

Lab File: BF086138.D

Acq: 7 Apr 2016 19:07

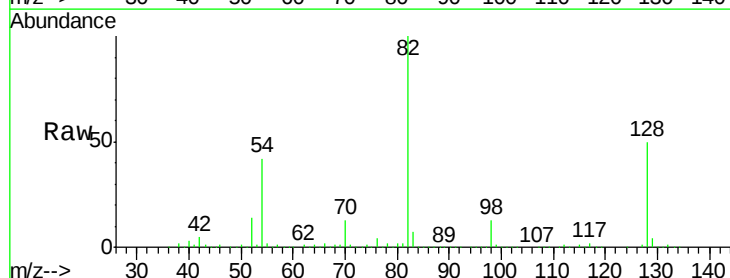
Tgt Ion: 82 Resp: 729459

Ion Ratio Lower Upper

82 100

128 50.3 41.8 62.8

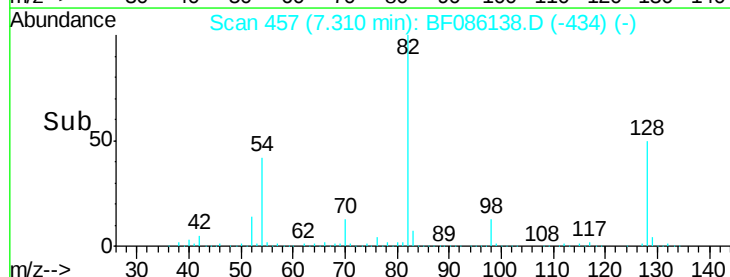
54 42.4 33.4 50.0



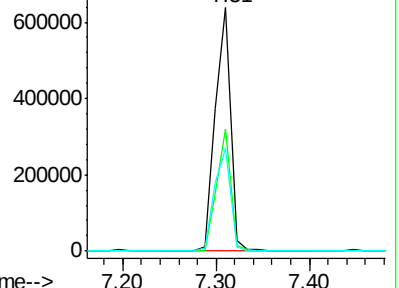
Abundance Ion 82.00 (81.70 to 82.70): BF0

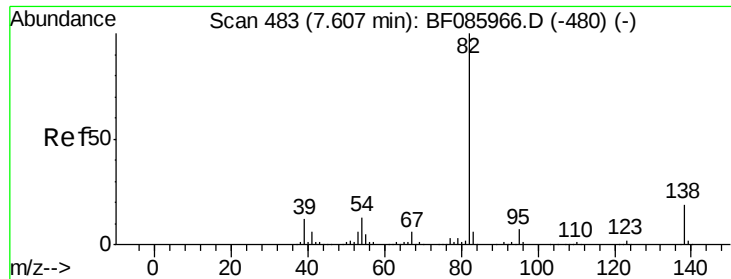
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 51.66 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.30 min

Lab File: BF086138.D

Acq: 7 Apr 2016 19:07

Instrument :

BNA_F

ClientSampleId :

MW-1-040116

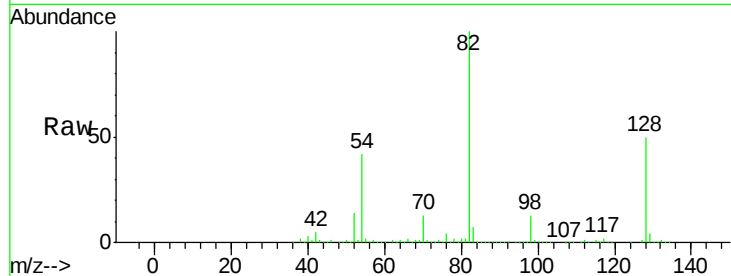
Tgt Ion: 82 Resp: 716247

Ion Ratio Lower Upper

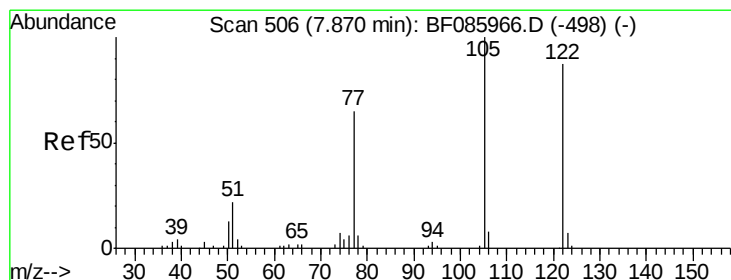
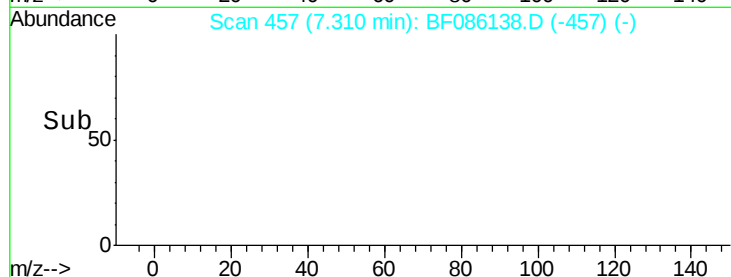
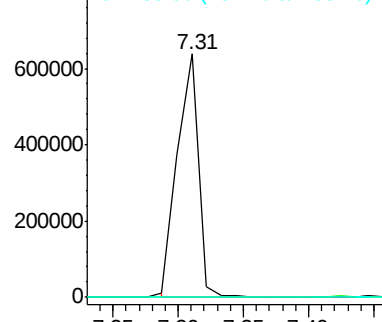
82 100

95 0.1 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



#32

Benzoic acid

Concen: 2.81 ng

RT: 7.84 min Scan# 503

Delta R.T. -0.03 min

Lab File: BF086138.D

Acq: 7 Apr 2016 19:07

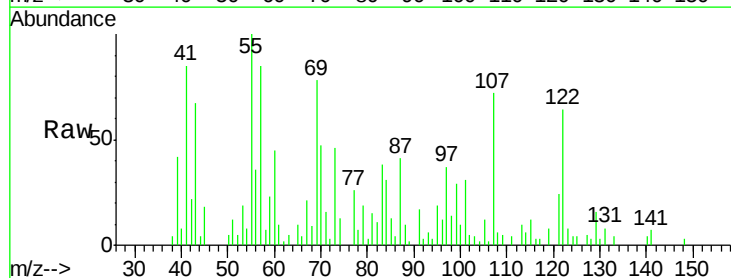
Tgt Ion: 122 Resp: 13635

Ion Ratio Lower Upper

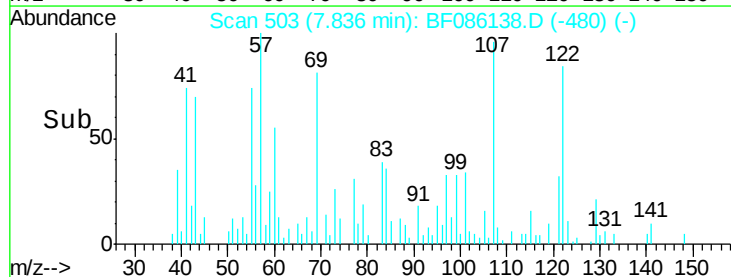
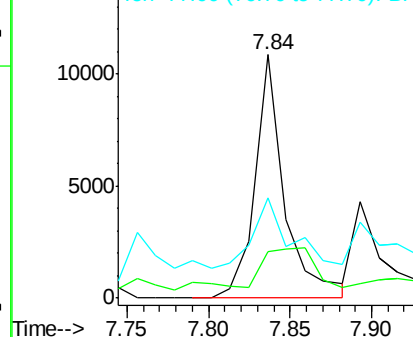
122 100

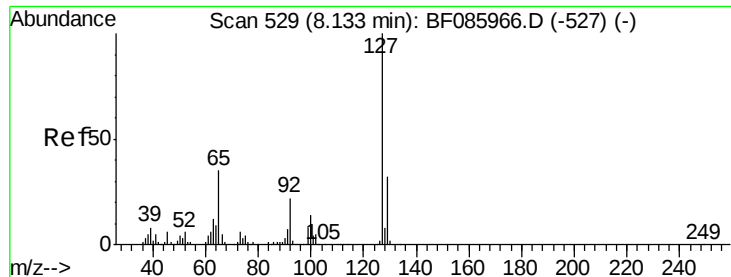
105 19.2 102.9 142.9#

77 41.2 71.8 111.8#



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

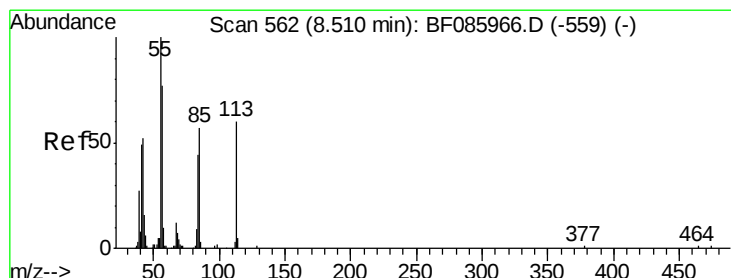
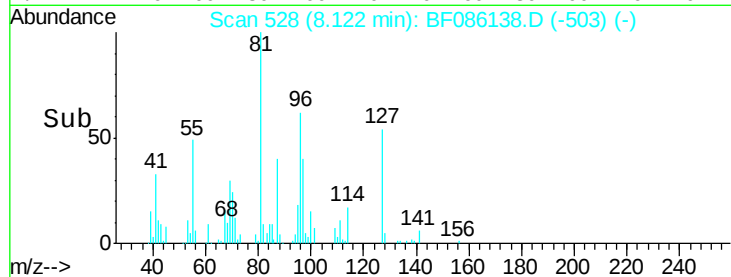
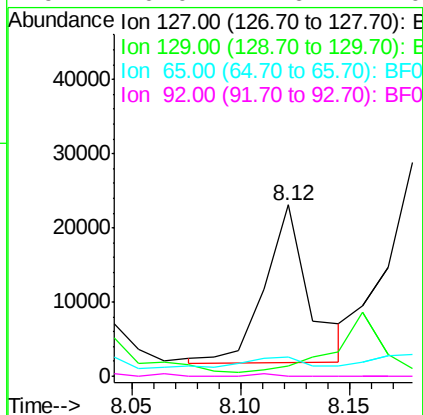
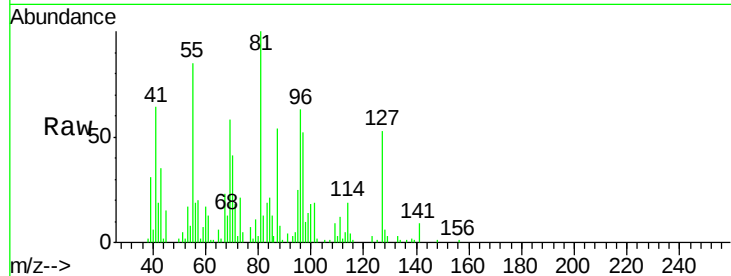




#33
4-Chloroaniline
Concen: 3.63 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.01 min
Lab File: BF086138.D
Acq: 7 Apr 2016 19:07

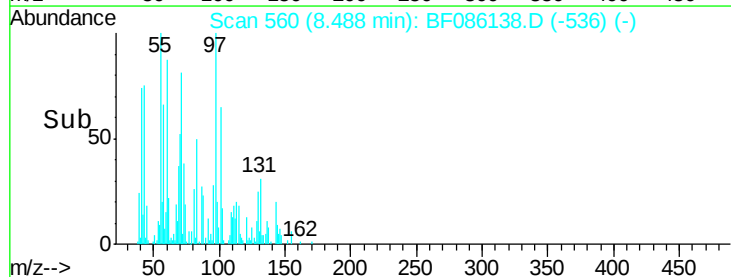
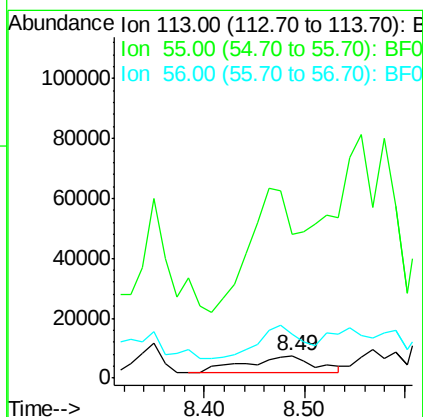
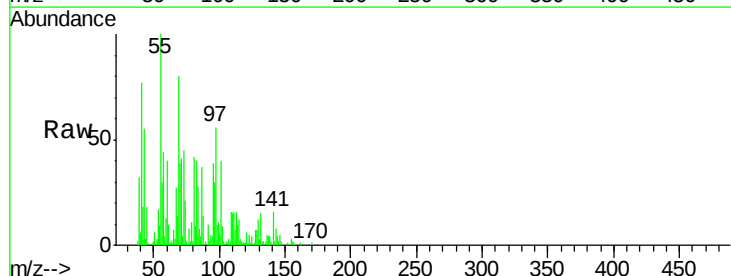
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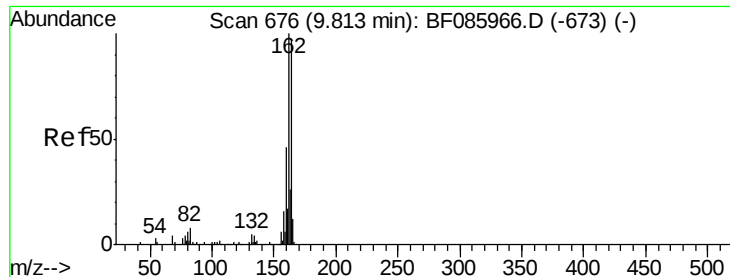
Tgt Ion:	127	Resp:	30535
Ion Ratio	Lower	Upper	
127	100		
129	5.9	26.1	39.1#
65	11.1	19.5	29.3#
92	0.0	14.6	22.0#



#35
Caprolactam
Concen: 14.76 ng
RT: 8.49 min Scan# 560
Delta R.T. -0.02 min
Lab File: BF086138.D
Acq: 7 Apr 2016 19:07

Tgt Ion:	113	Resp:	26139
Ion Ratio	Lower	Upper	
113	100		
55	644.0	139.4	179.4#
56	195.9	100.4	140.4#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.03 min

Lab File: BF086138.D

Acq: 7 Apr 2016 19:07

Instrument :

BNA_F

ClientSampleId :

MW-1-040116

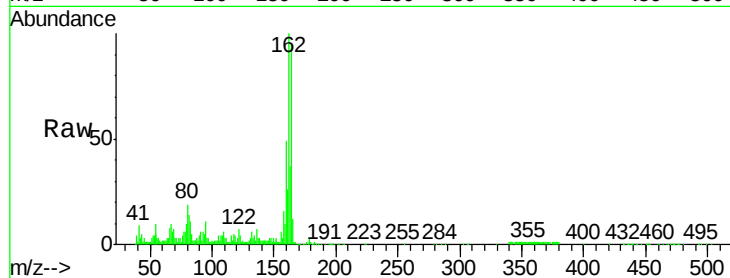
Tgt Ion:164 Resp: 193085

Ion Ratio Lower Upper

164 100

162 105.3 82.1 123.1

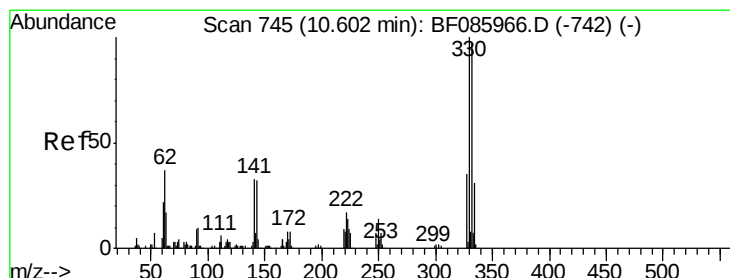
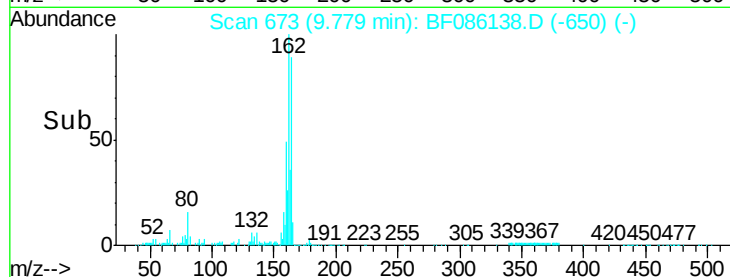
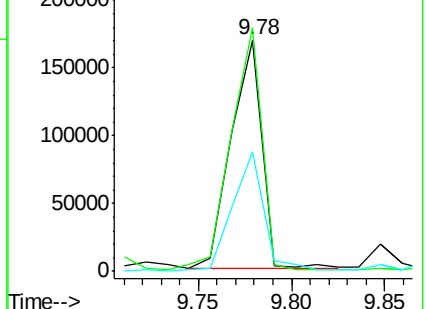
160 51.5 37.4 56.2



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: 153.42 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.03 min

Lab File: BF086138.D

Acq: 7 Apr 2016 19:07

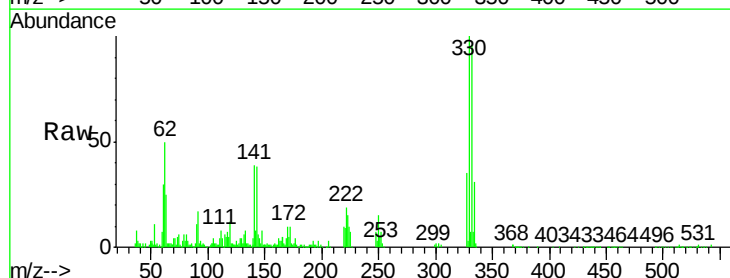
Tgt Ion:330 Resp: 278035

Ion Ratio Lower Upper

330 100

332 96.9 78.2 117.2

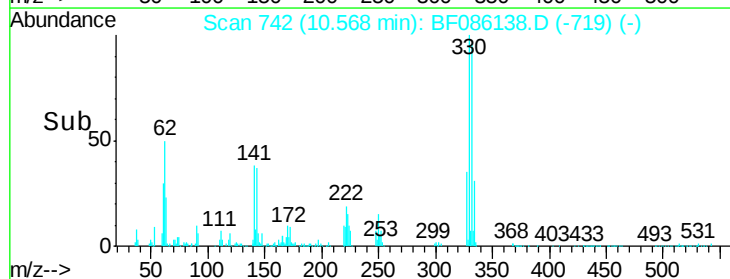
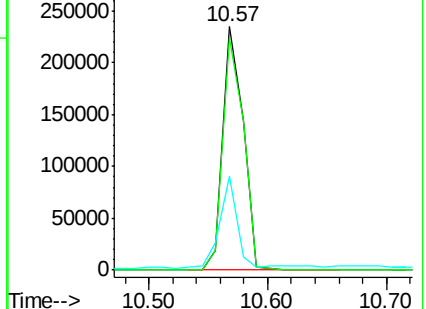
141 31.7 31.5 47.3

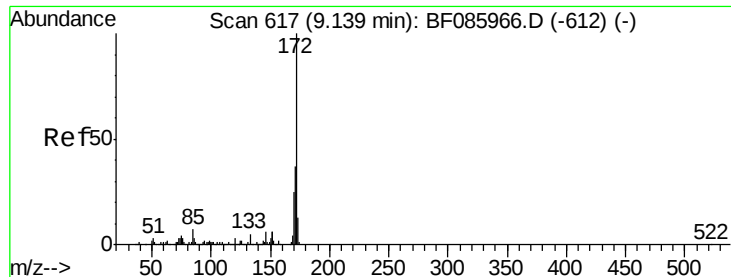


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

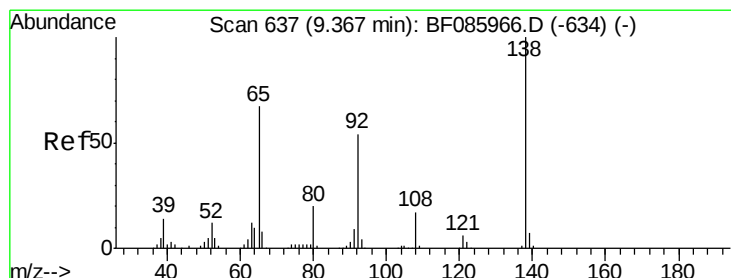
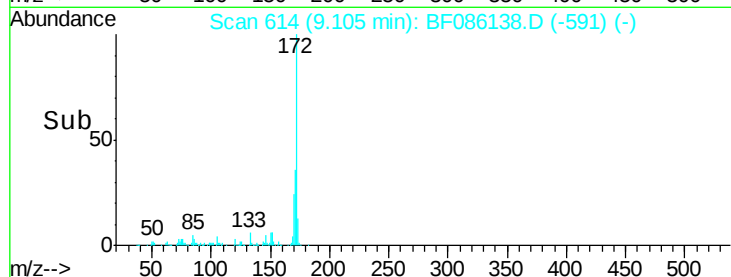
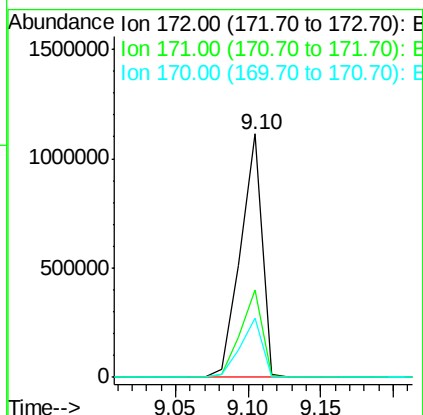
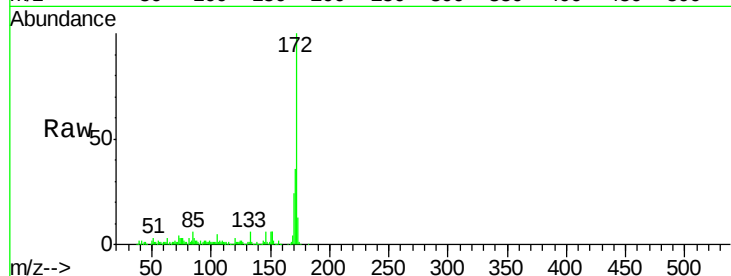




#44
2-Fluorobiphenyl
Concen: 99.25 ng
RT: 9.10 min Scan# 614
Delta R.T. -0.03 min
Lab File: BF086138.D
Acq: 7 Apr 2016 19:07

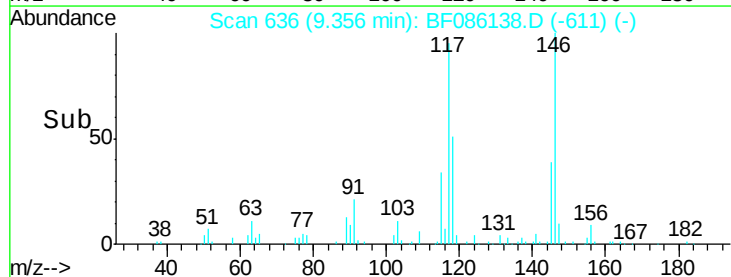
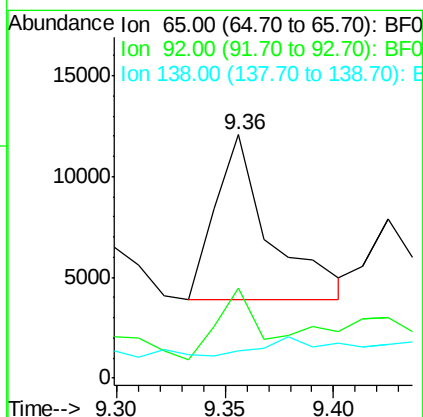
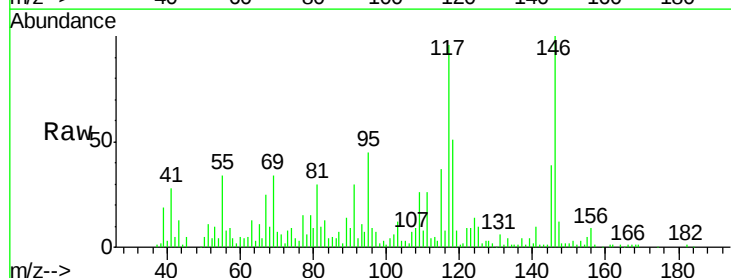
Instrument :
BNA_F
ClientSampleId :
MW-1-040116

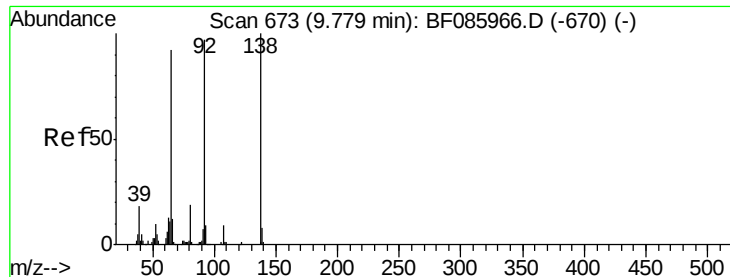
Tgt Ion: 172 Resp: 1152559
Ion Ratio Lower Upper
172 100
171 36.2 29.4 44.2
170 24.4 19.8 29.6



#47
2-Nitroaniline
Concen: 4.08 ng
RT: 9.36 min Scan# 636
Delta R.T. -0.01 min
Lab File: BF086138.D
Acq: 7 Apr 2016 19:07

Tgt Ion: 65 Resp: 14418
Ion Ratio Lower Upper
65 100
92 37.0 59.7 89.5#
138 11.3 91.4 137.0#





#52

3-Nitroaniline

Concen: 2.40 ng

RT: 9.78 min Scan# 673

Delta R.T. 0.00 min

Lab File: BF086138.D

Acq: 7 Apr 2016 19:07

Instrument :

BNA_F

ClientSampleId :

MW-1-040116

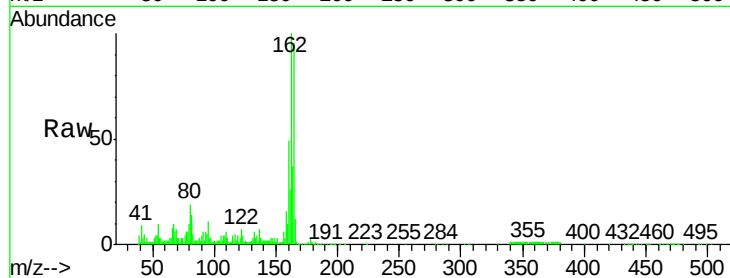
Tgt Ion:138 Resp: 8743

Ion Ratio Lower Upper

138 100

108 135.1 8.7 13.1#

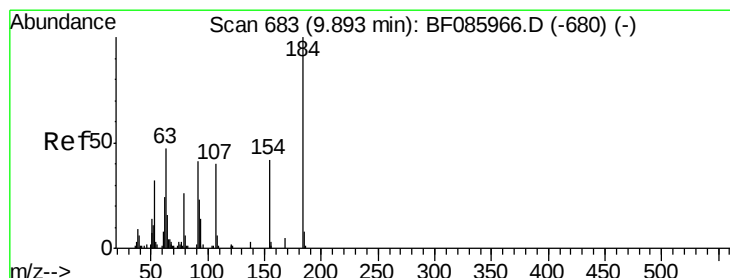
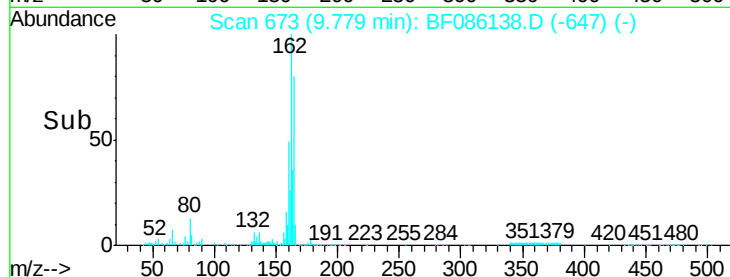
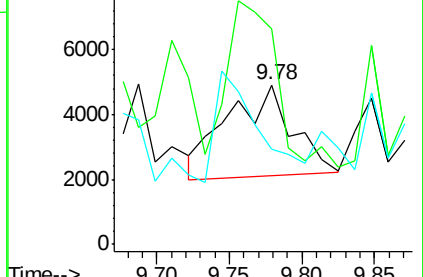
92 59.5 93.3 139.9#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0



#53

2,4-Dinitrophenol

Concen: 3.33 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.05 min

Lab File: BF086138.D

Acq: 7 Apr 2016 19:07

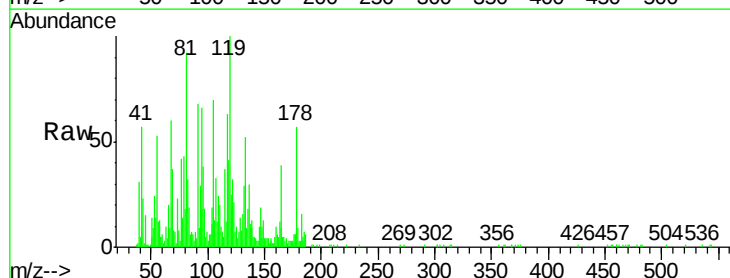
Tgt Ion:184 Resp: 1495

Ion Ratio Lower Upper

184 100

63 339.7 69.5 104.3#

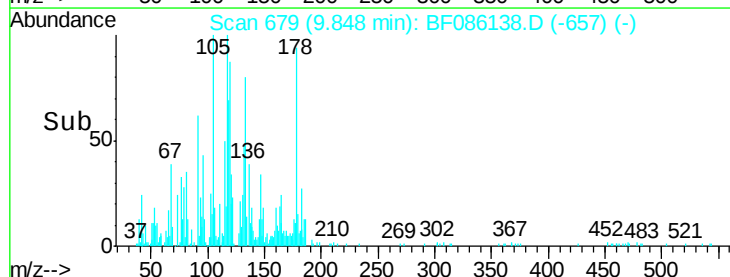
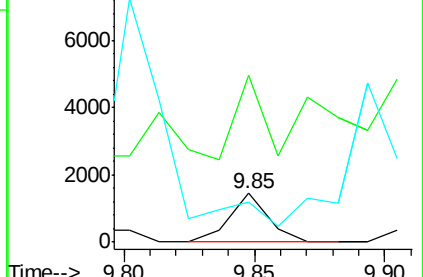
154 80.7 58.3 87.5

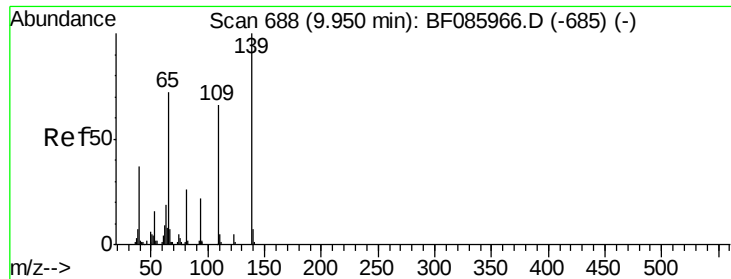


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#55

4-Nitrophenol

Concen: 3.76 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.10 min

Lab File: BF086138.D

Acq: 7 Apr 2016 19:07

Instrument :

BNA_F

ClientSampleId :

MW-1-040116

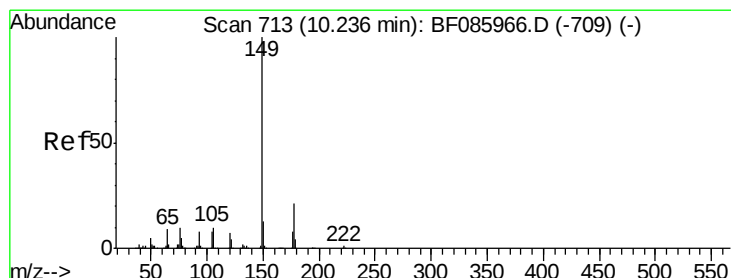
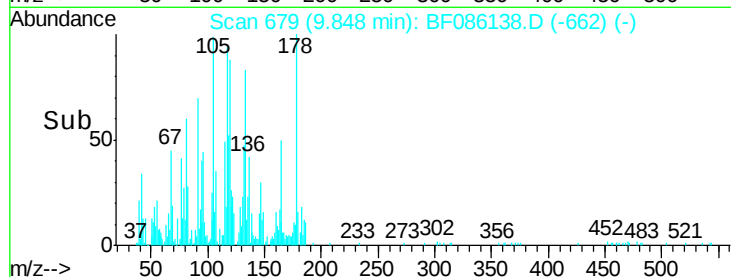
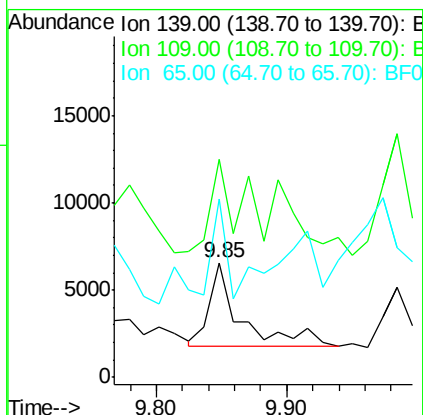
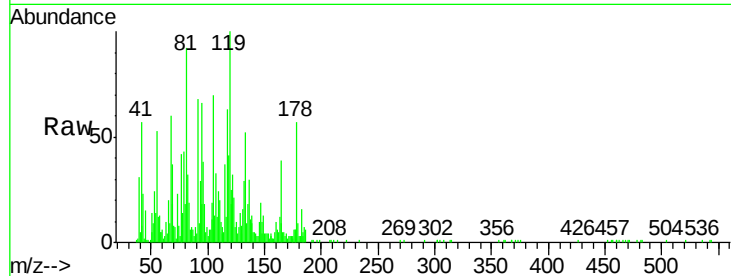
Tgt Ion:139 Resp: 8096

Ion Ratio Lower Upper

139 100

109 190.2 49.2 89.2#

65 155.9 66.9 106.9#



#59

Diethylphthalate

Concen: 3.08 ng

RT: 10.17 min Scan# 707

Delta R.T. -0.07 min

Lab File: BF086138.D

Acq: 7 Apr 2016 19:07

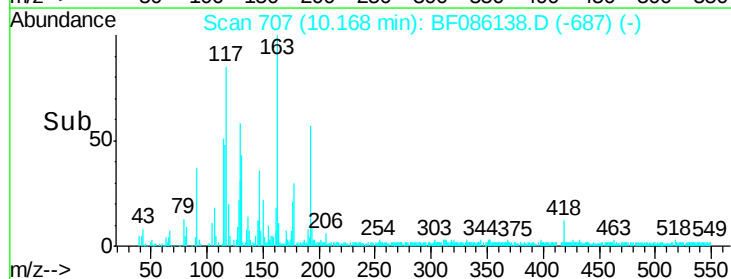
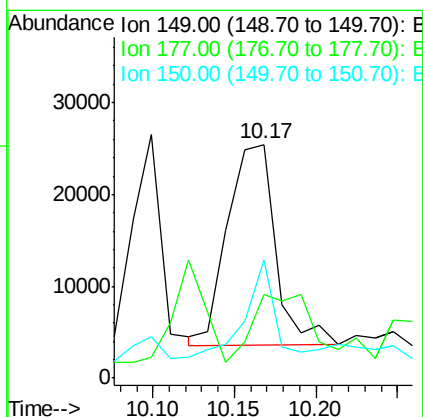
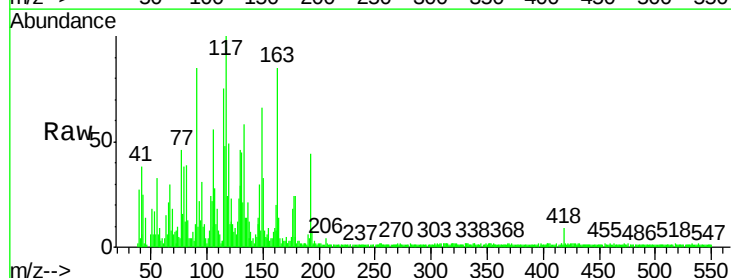
Tgt Ion:149 Resp: 44500

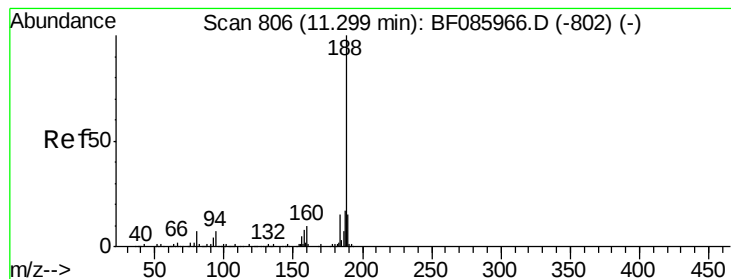
Ion Ratio Lower Upper

149 100

177 35.5 17.9 26.9#

150 50.4 10.2 15.2#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.25 min Scan# 802

Delta R.T. -0.05 min

Lab File: BF086138.D

Acq: 7 Apr 2016 19:07

Instrument :

BNA_F

ClientSampleId :

MW-1-040116

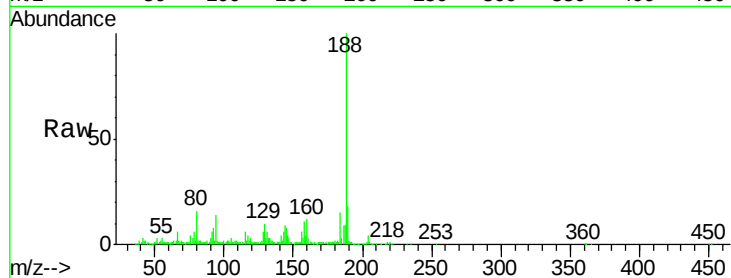
Tgt Ion:188 Resp: 348861

Ion Ratio Lower Upper

188 100

94 14.5 5.4 8.0#

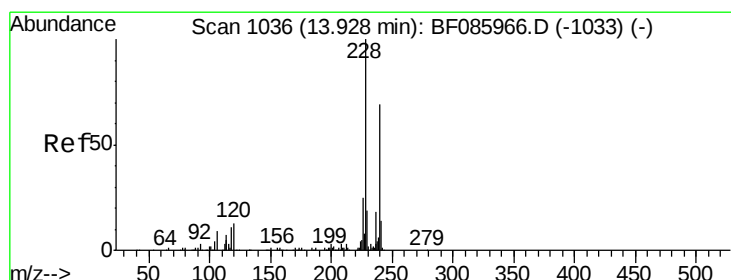
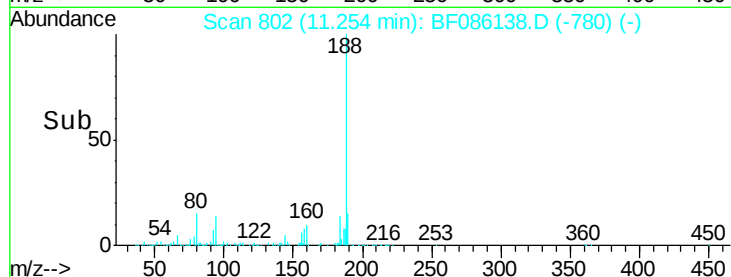
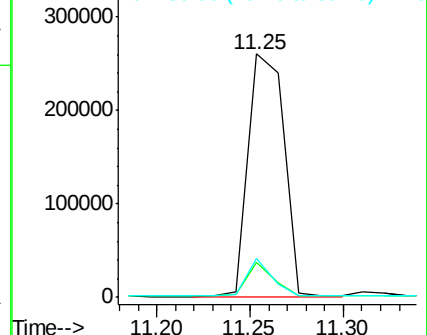
80 15.8 5.5 8.3#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.03 min

Lab File: BF086138.D

Acq: 7 Apr 2016 19:07

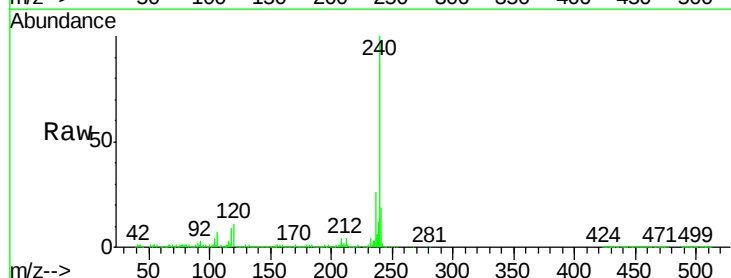
Tgt Ion:240 Resp: 267442

Ion Ratio Lower Upper

240 100

120 11.0 13.8 20.8#

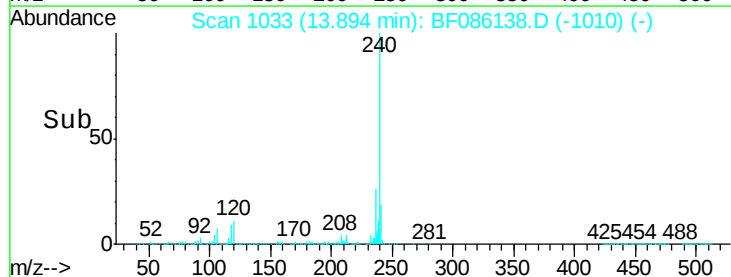
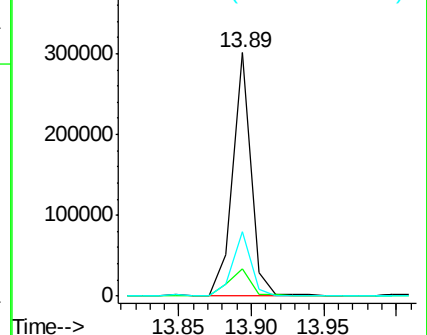
236 26.5 20.6 30.8

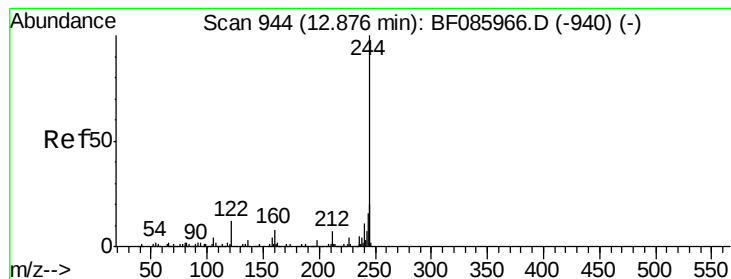


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 82.86 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.03 min

Lab File: BF086138.D

Acq: 7 Apr 2016 19:07

Instrument :

BNA_F

ClientSampleId :

MW-1-040116

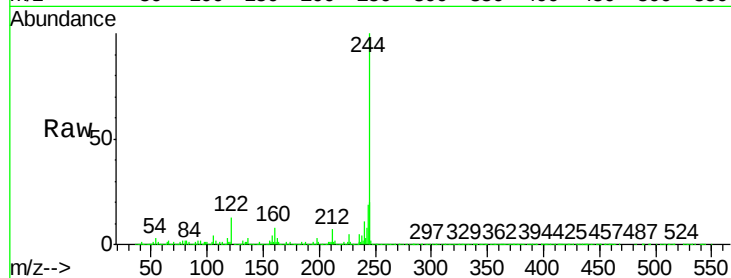
Tgt Ion:244 Resp: 942684

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

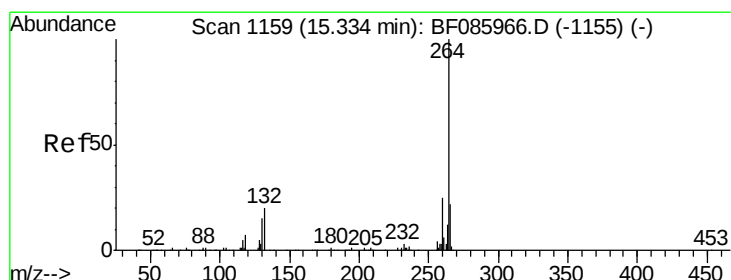
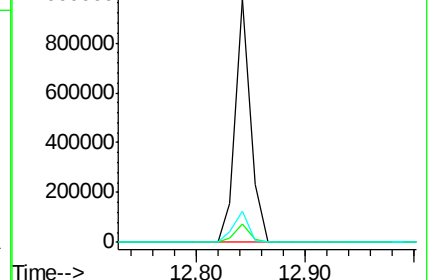
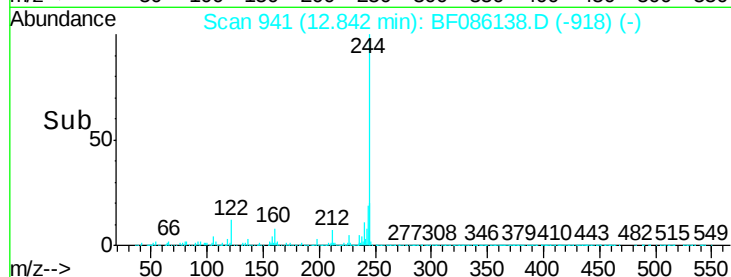
122 12.6 10.2 15.4



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: 15.29 min Scan# 1155

Delta R.T. -0.05 min

Lab File: BF086138.D

Acq: 7 Apr 2016 19:07

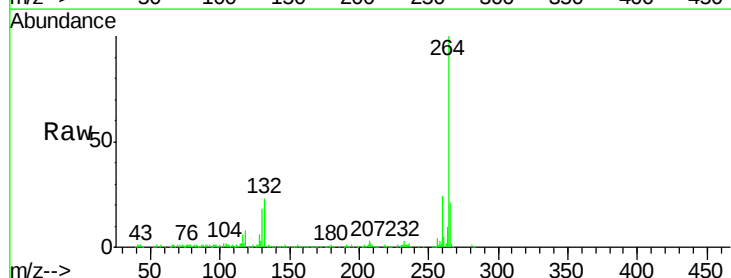
Tgt Ion:264 Resp: 187427

Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.2

265 21.5 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

