

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040616\
 Data File : BF086091.D
 Acq On : 6 Apr 2016 11:47
 Operator : UM/SJ
 Sample : H1954-01DL 25X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-1DL

Quant Time: Apr 07 01:00:29 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

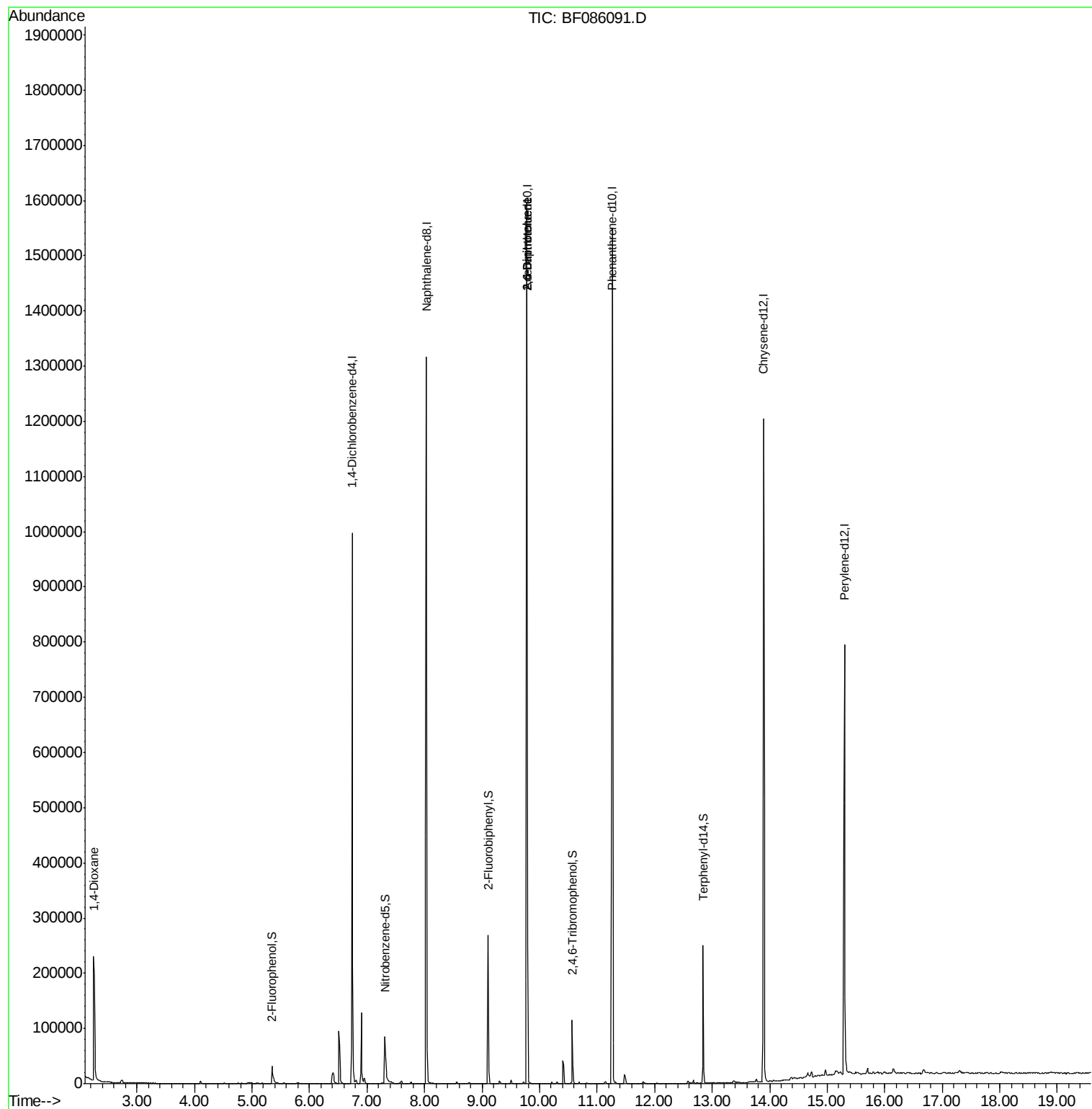
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	153018	20.00	ng	-0.03
21) Naphthalene-d8	8.03	136	641067	20.00	ng	-0.03
38) Acenaphthene-d10	9.78	164	298961	20.00	ng	-0.03
63) Phenanthrene-d10	11.26	188	594235	20.00	ng	-0.03
75) Chrysene-d12	13.89	240	445229	20.00	ng	-0.03
86) Perylene-d12	15.30	264	363707	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	21082	2.35	ng	-0.02
7) Phenol-d6	6.41	99	18105	1.59	ng	-0.01
23) Nitrobenzene-d5	7.31	82	38673	3.56	ng	-0.03
41) 2,4,6-Tribromophenol	10.57	330	12865	4.58	ng	-0.03
44) 2-Fluorobiphenyl	9.10	172	78565	4.37	ng	-0.03
78) Terphenyl-d14	12.84	244	73071	3.86	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	2.25	88	142365	33.54	ng	Qvalue 98
50) 2,6-Dinitrotoluene	9.78	165	38105	8.13	ng	# 19
56) 2,4-Dinitrotoluene	9.78	165	38105	6.43	ng	# 37

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

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QLast Update : Fri Apr 01 23:17:06 2016
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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: BF086091.D

Acq: 6 Apr 2016 11:47

Instrument :

BNA_F

ClientSampleId :

MW-1DL

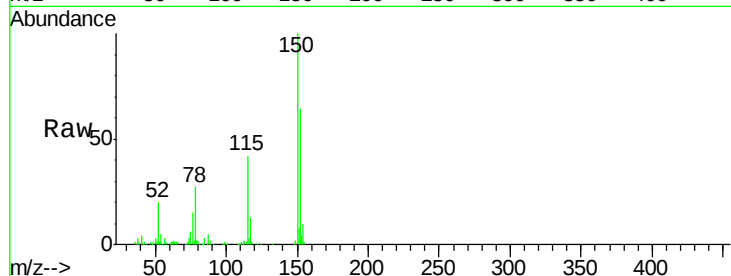
Tgt Ion:152 Resp: 153018

Ion Ratio Lower Upper

152 100

150 155.6 124.2 186.2

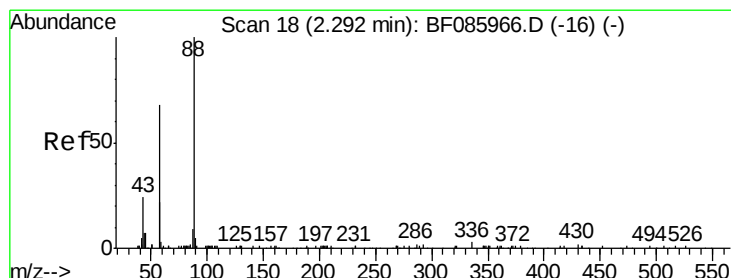
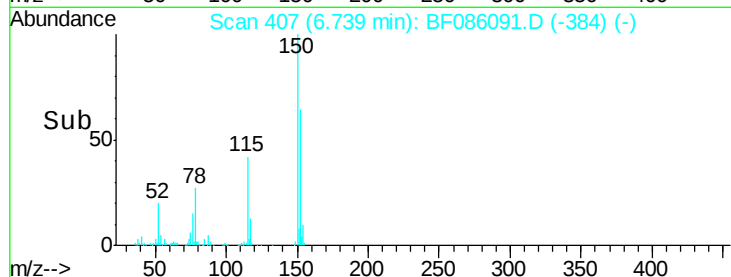
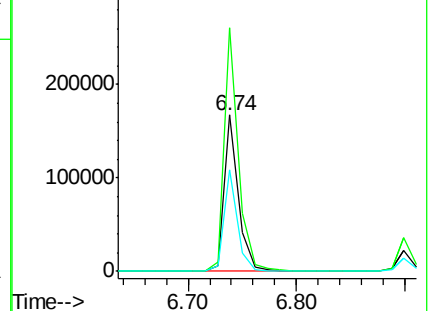
115 65.3 47.0 70.6



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



#2

1,4-Dioxane

Concen: 33.54 ng

RT: 2.25 min Scan# 14

Delta R.T. -0.05 min

Lab File: BF086091.D

Acq: 6 Apr 2016 11:47

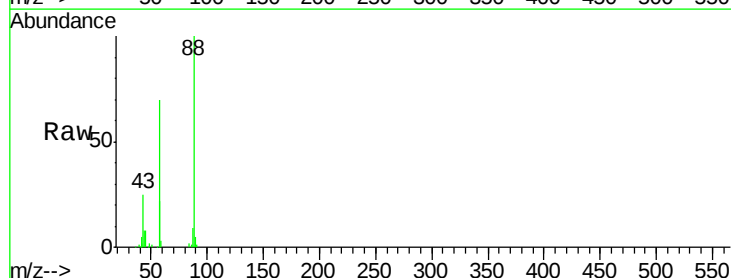
Tgt Ion: 88 Resp: 142365

Ion Ratio Lower Upper

88 100

58 65.9 54.2 81.2

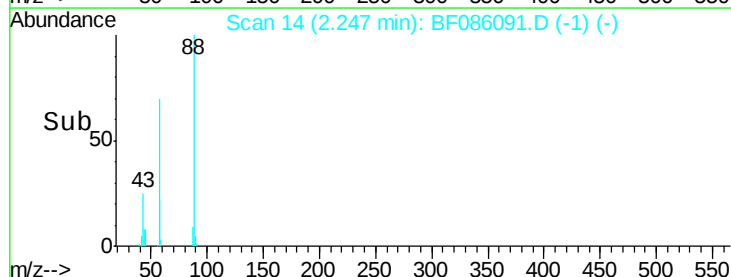
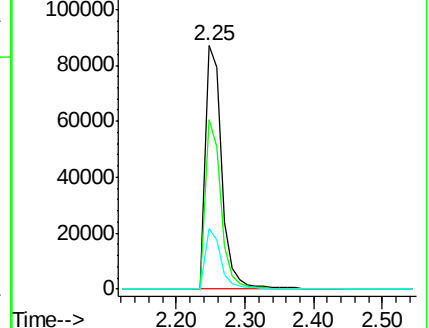
43 23.5 19.3 28.9

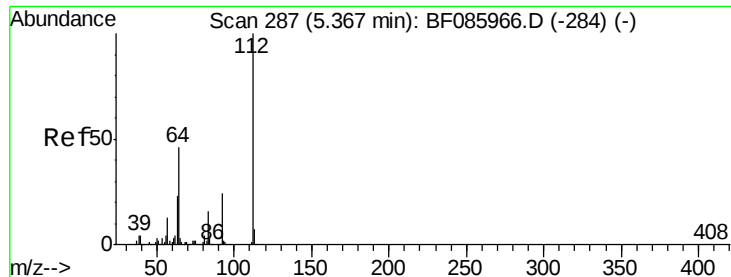


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 2.35 ng

RT: 5.34 min Scan# 285

Delta R.T. -0.02 min

Lab File: BF086091.D

Acq: 6 Apr 2016 11:47

Instrument :

BNA_F

ClientSampleId :

MW-1DL

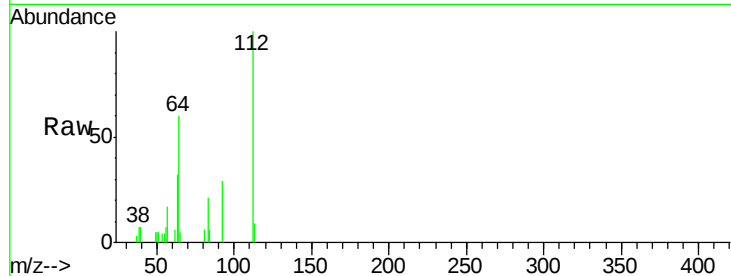
Tgt Ion: 112 Resp: 21082

Ion Ratio Lower Upper

112 100

64 60.5 39.9 59.9#

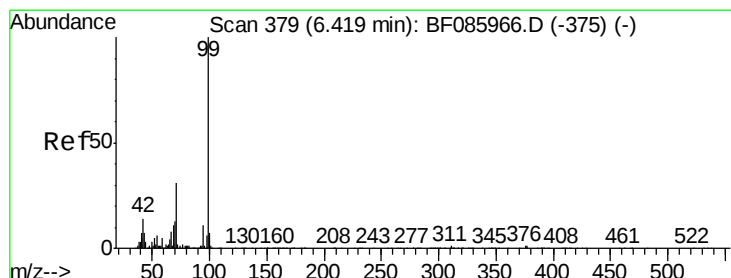
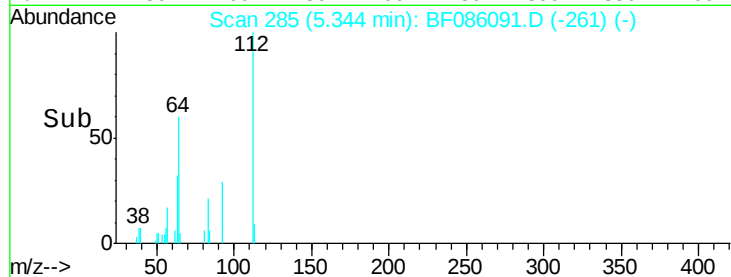
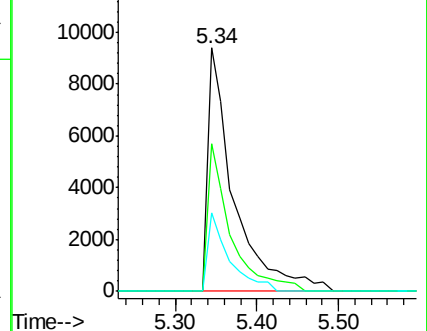
63 32.0 20.2 30.2#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 1.59 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF086091.D

Acq: 6 Apr 2016 11:47

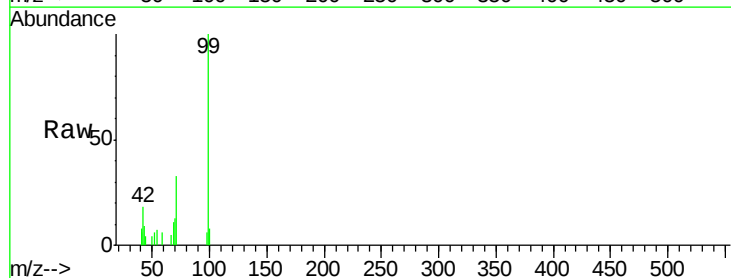
Tgt Ion: 99 Resp: 18105

Ion Ratio Lower Upper

99 100

42 17.9 11.1 16.7#

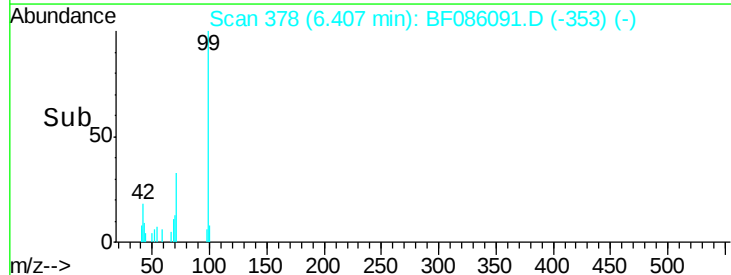
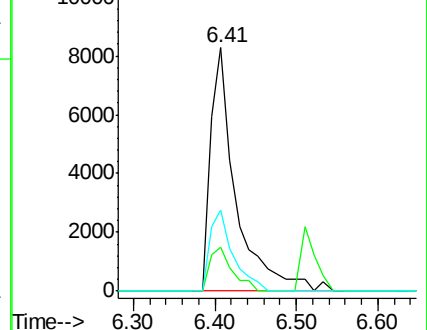
71 33.1 24.9 37.3

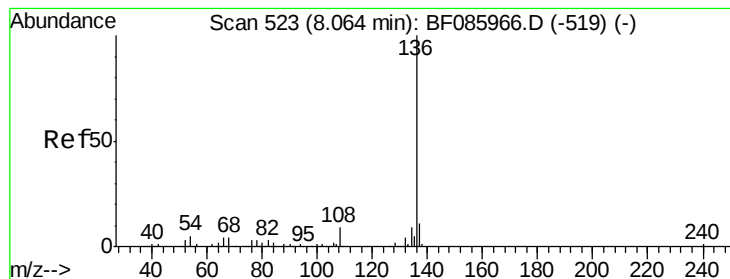


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 520

Delta R.T. -0.03 min

Lab File: BF086091.D

Acq: 6 Apr 2016 11:47

Instrument :

BNA_F

ClientSampleId :

MW-1DL

Tgt Ion:136 Resp: 641067

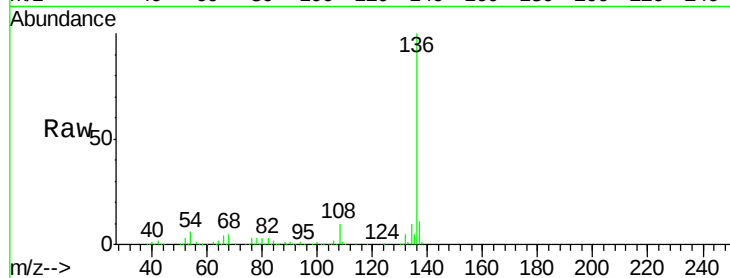
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 6.0 7.4 11.0#

68 5.2 5.8 8.8#

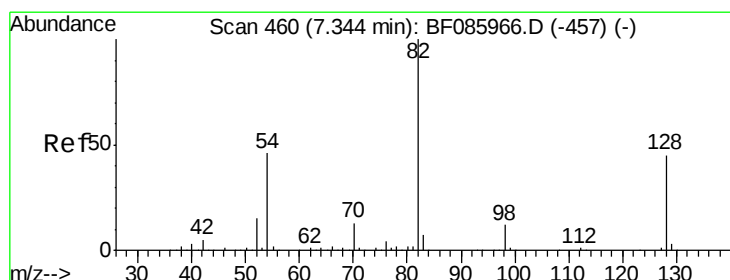
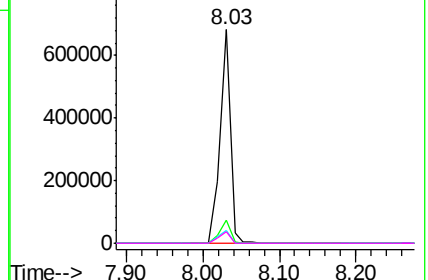
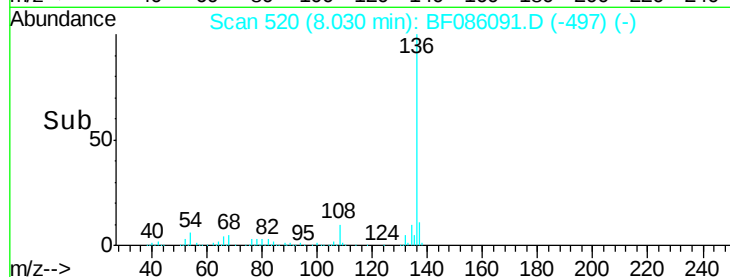


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 3.56 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.03 min

Lab File: BF086091.D

Acq: 6 Apr 2016 11:47

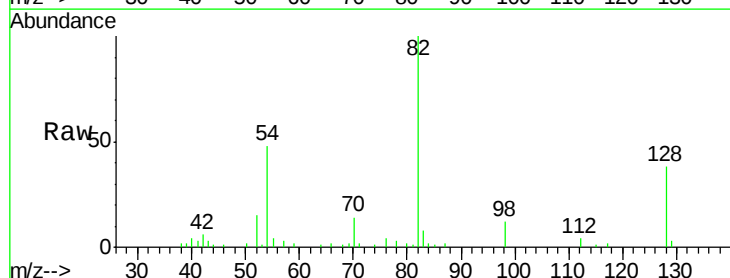
Tgt Ion: 82 Resp: 38673

Ion Ratio Lower Upper

82 100

128 38.3 41.8 62.8#

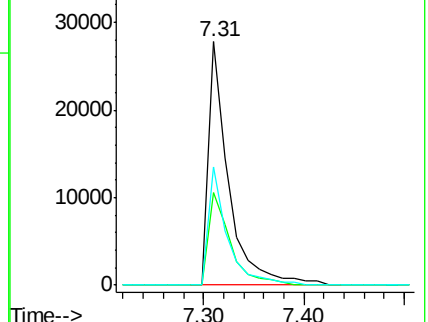
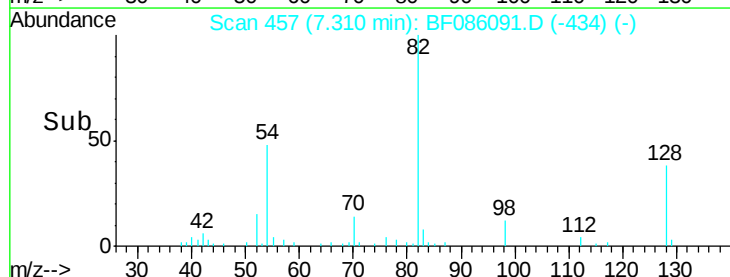
54 48.3 33.4 50.0

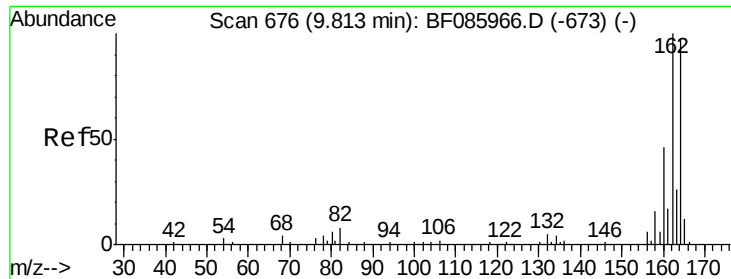


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.03 min

Lab File: BF086091.D

Acq: 6 Apr 2016 11:47

Instrument :

BNA_F

ClientSampleId :

MW-1DL

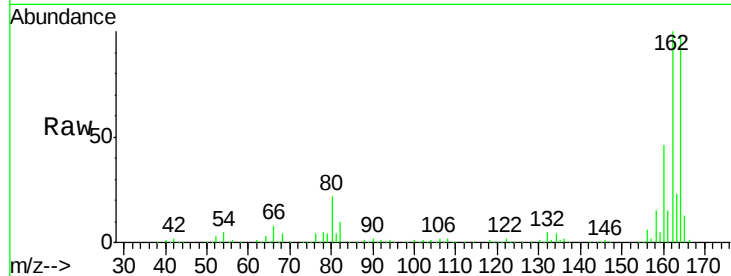
Tgt Ion:164 Resp: 298961

Ion Ratio Lower Upper

164 100

162 102.3 82.1 123.1

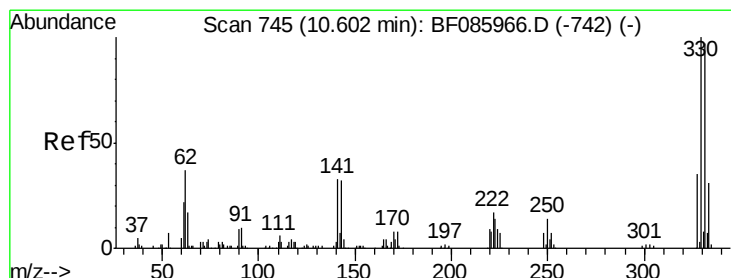
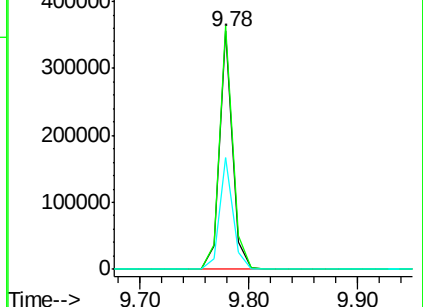
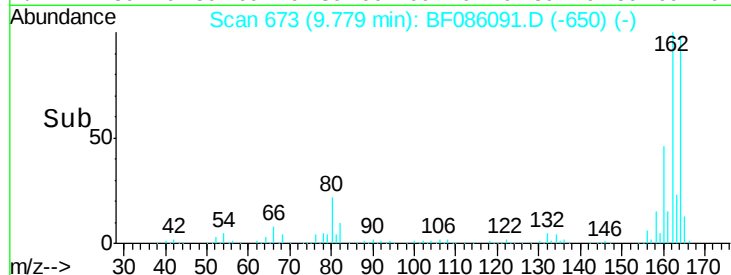
160 47.0 37.4 56.2



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: 4.58 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.03 min

Lab File: BF086091.D

Acq: 6 Apr 2016 11:47

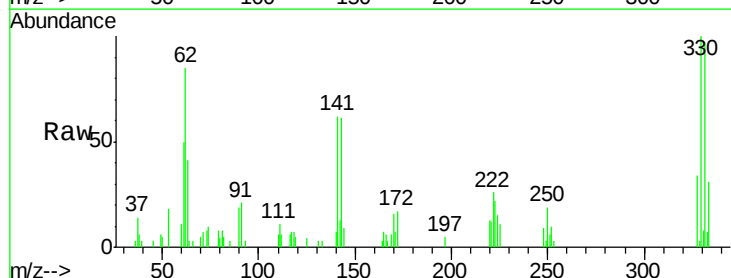
Tgt Ion:330 Resp: 12865

Ion Ratio Lower Upper

330 100

332 99.5 78.2 117.2

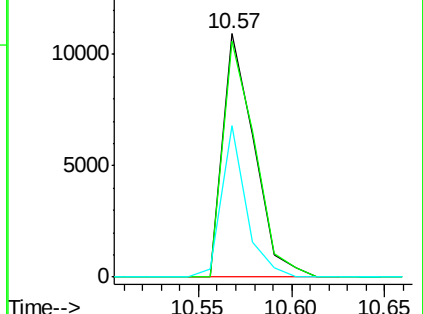
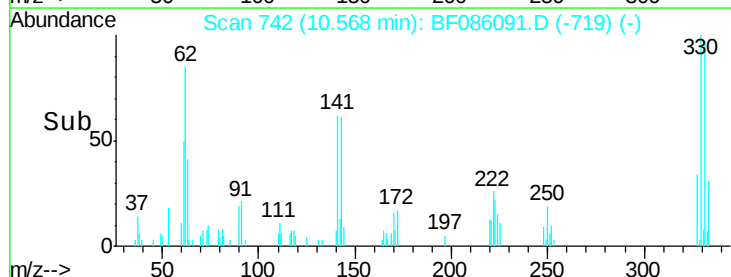
141 48.4 31.5 47.3#

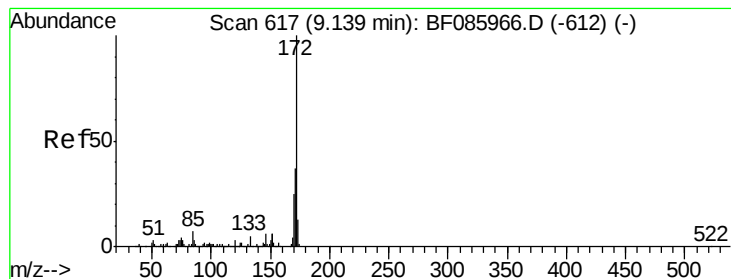


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 4.37 ng

RT: 9.10 min Scan# 614

Delta R.T. -0.03 min

Lab File: BF086091.D

Acq: 6 Apr 2016 11:47

Instrument :

BNA_F

ClientSampleId :

MW-1DL

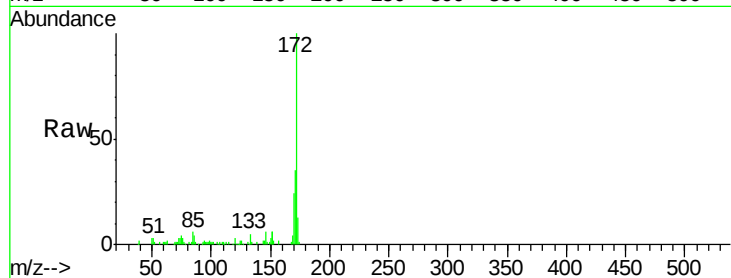
Tgt Ion:172 Resp: 78565

Ion Ratio Lower Upper

172 100

171 34.8 29.4 44.2

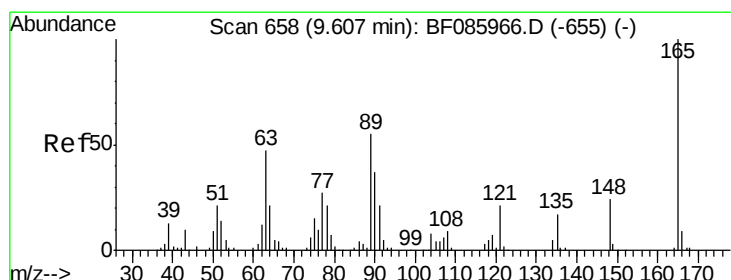
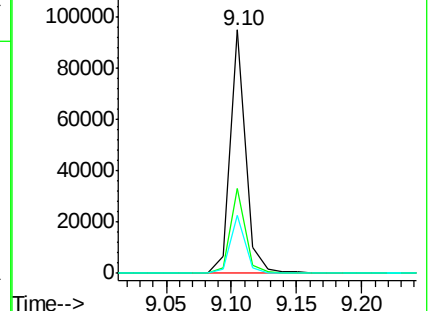
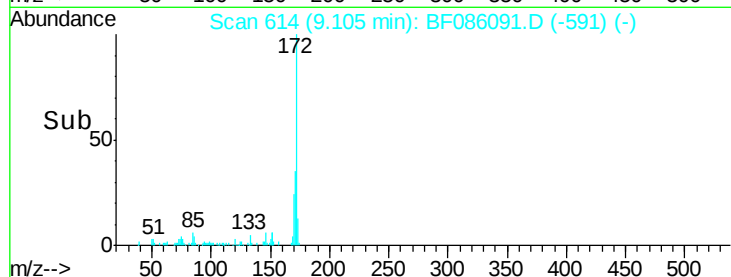
170 23.7 19.8 29.6



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50

2,6-Dinitrotoluene

Concen: 8.13 ng

RT: 9.78 min Scan# 673

Delta R.T. 0.17 min

Lab File: BF086091.D

Acq: 6 Apr 2016 11:47

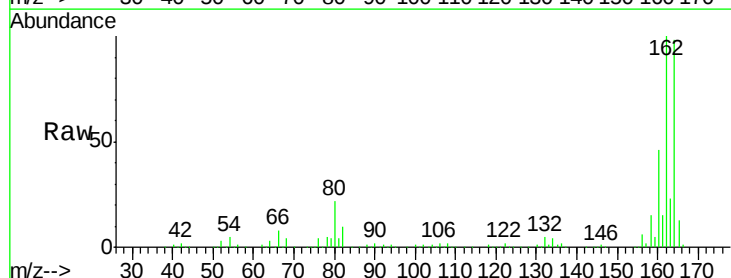
Tgt Ion:165 Resp: 38105

Ion Ratio Lower Upper

165 100

63 1.1 51.8 77.8#

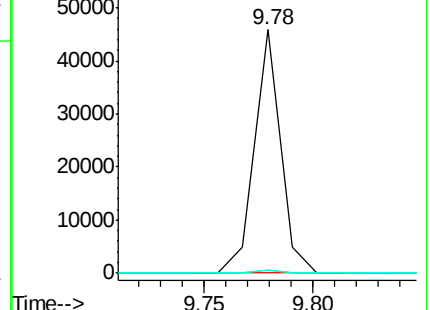
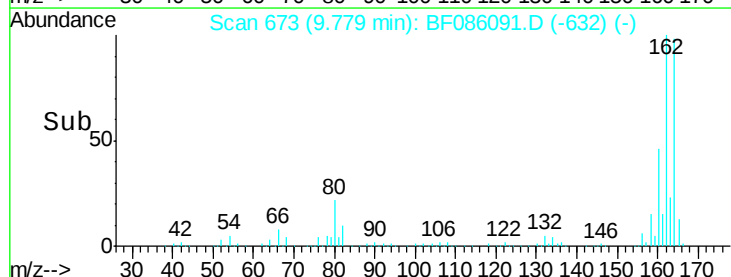
89 1.4 53.7 80.5#

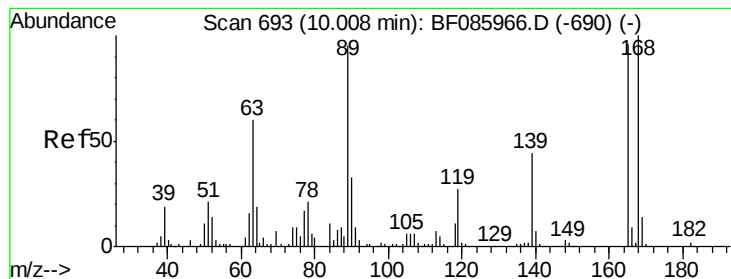


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.43 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.23 min

Lab File: BF086091.D

Acq: 6 Apr 2016 11:47

Instrument :

BNA_F

ClientSampleId :

MW-1DL

Tgt Ion:165 Resp: 38105

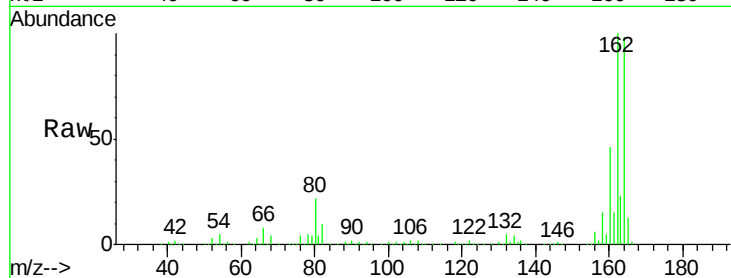
Ion Ratio Lower Upper

165 100

63 1.1 24.9 37.3#

89 1.4 41.0 61.6#

182 0.0 2.1 3.1#

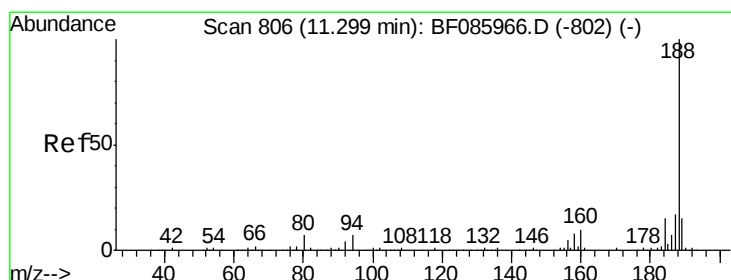
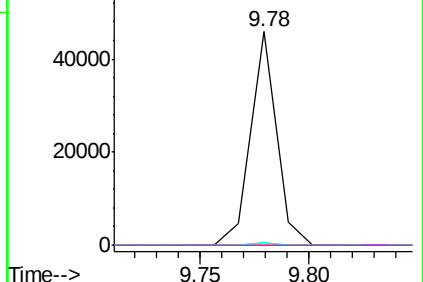
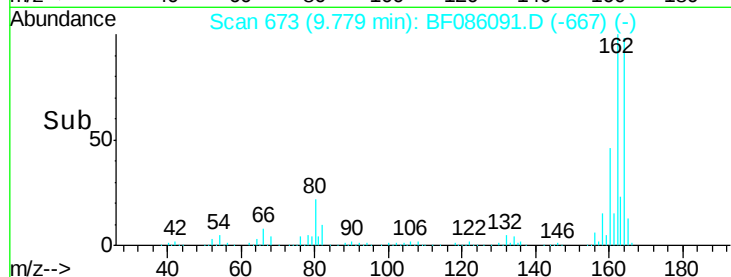


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.26 min Scan# 803

Delta R.T. -0.03 min

Lab File: BF086091.D

Acq: 6 Apr 2016 11:47

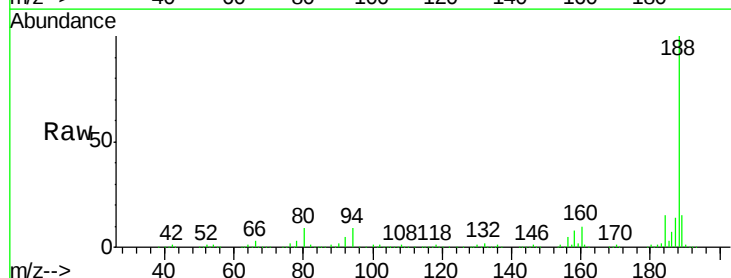
Tgt Ion:188 Resp: 594235

Ion Ratio Lower Upper

188 100

94 8.7 5.4 8.0#

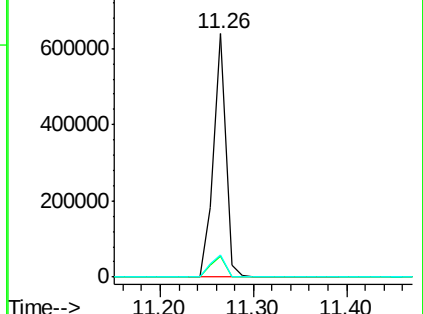
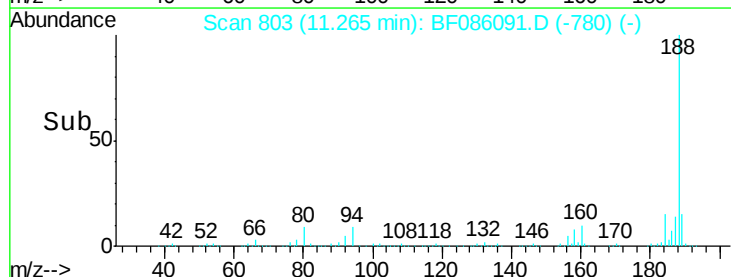
80 9.0 5.5 8.3#

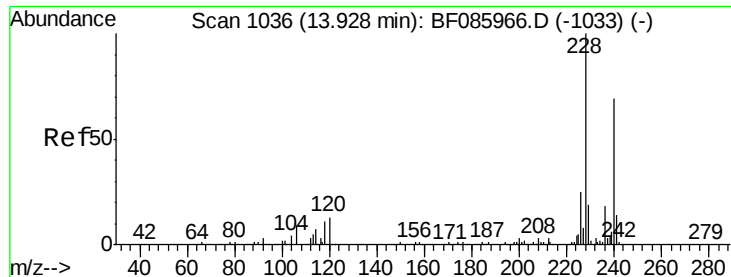


Abundance Ion 188.00 (187.70 to 188.70): E

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: BF086091.D

Acq: 6 Apr 2016 11:47

Instrument :

BNA_F

ClientSampleId :

MW-1DL

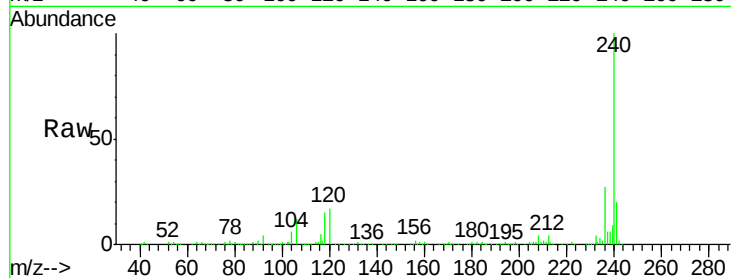
Tgt Ion:240 Resp: 445229

Ion Ratio Lower Upper

240 100

120 16.6 13.8 20.8

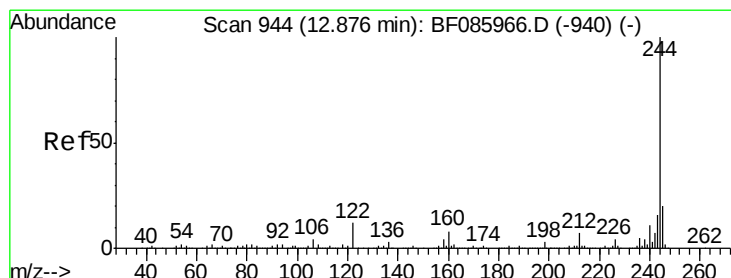
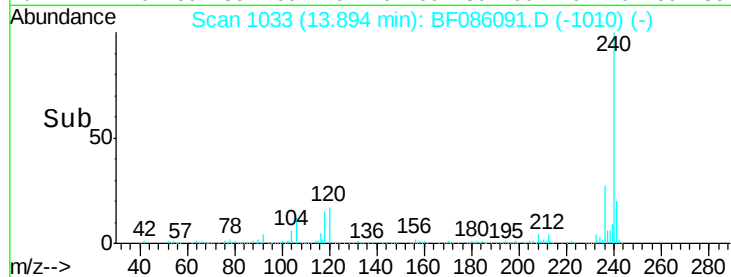
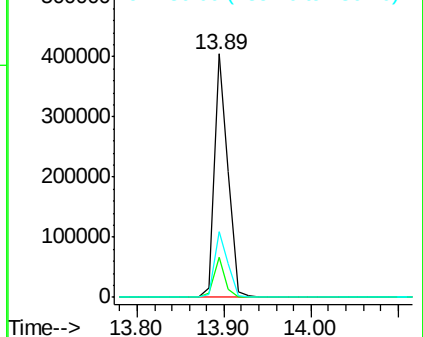
236 26.9 20.6 30.8



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: 3.86 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.03 min

Lab File: BF086091.D

Acq: 6 Apr 2016 11:47

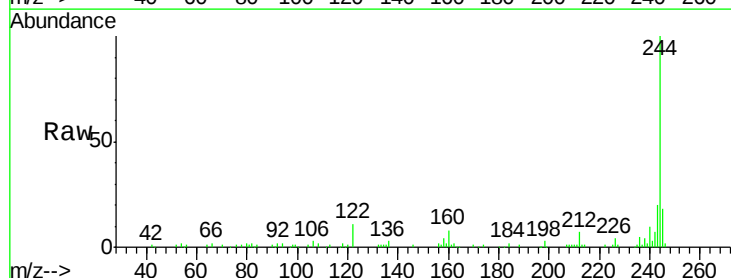
Tgt Ion:244 Resp: 73071

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

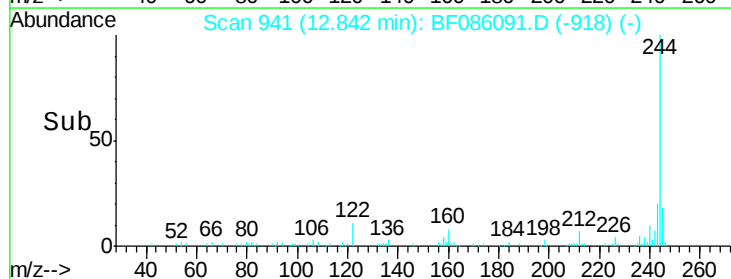
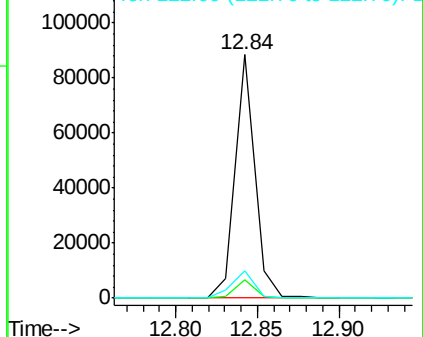
122 11.4 10.2 15.4

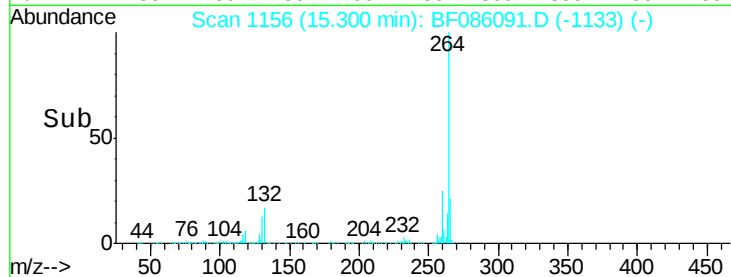
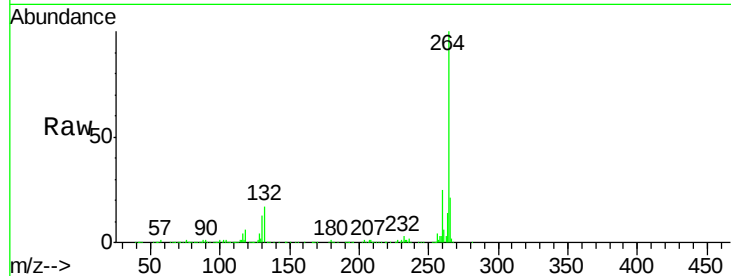
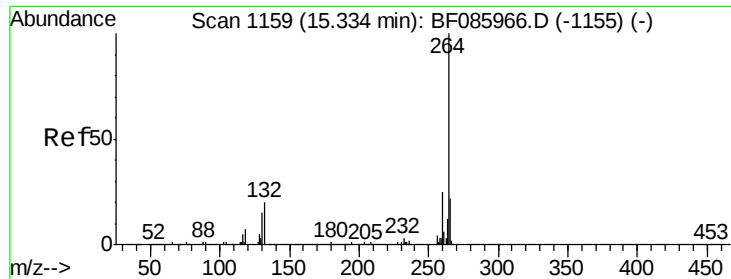


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.30 min Scan# 1156

Delta R.T. -0.03 min

Lab File: BF086091.D

Acq: 6 Apr 2016 11:47

Instrument :

BNA_F

ClientSampleId :

MW-1DL

Tgt Ion: 264 Resp: 363707

Ion Ratio Lower Upper

264 100

260 24.5 19.4 29.2

265 21.3 17.2 25.8

