

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072516\
 Data File : BF089292.D
 Acq On : 25 Jul 2016 22:43
 Operator : UM/SJ
 Sample : H4207-07
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NW-2

Quant Time: Jul 26 02:18:34 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 25 16:56:43 2016
 Response via : Initial Calibration

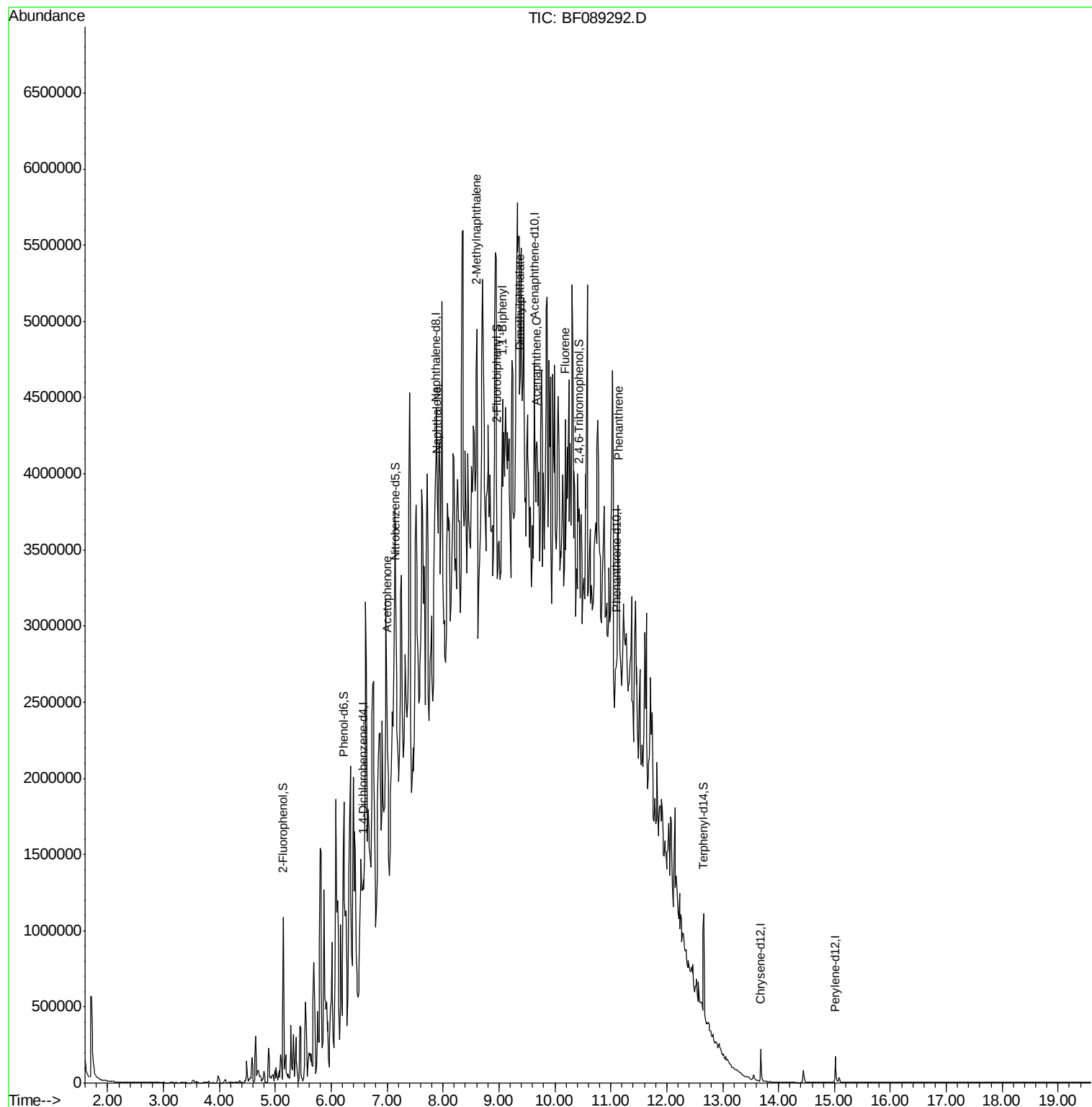
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	51942	20.00	ng	0.00
21) Naphthalene-d8	7.87	136	152275	20.00	ng	0.02
38) Acenaphthene-d10	9.63	164	75603	20.00	ng	0.03
63) Phenanthrene-d10	11.11	188	112179	20.00	ng	0.03
75) Chrysene-d12	13.68	240	96927	20.00	ng	-0.01
86) Perylene-d12	15.02	264	82861	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	371073	108.65	ng	0.00
7) Phenol-d6	6.23	99	471152	106.98	ng	0.00
23) Nitrobenzene-d5	7.15	82	307162	107.18	ng	0.01
41) 2,4,6-Tribromophenol	10.43	330	62020	91.12	ng	0.05
44) 2-Fluorobiphenyl	8.96	172	326491	59.50	ng	0.02
78) Terphenyl-d14	12.66	244	279482	62.54	ng	0.01
Target Compounds						Qvalue
22) Acetophenone	6.99	105	650822	160.05	ng	# 59
31) Naphthalene	7.90	128	424000	51.59	ng	# 78
37) 2-Methylnaphthalene	8.60	142	466453	89.00	ng	# 93
45) 1,1'-Biphenyl	9.06	154	161031	23.65	ng	# 95
49) Dimethylphthalate	9.37	163	116242	20.04	ng	# 67
51) Acenaphthene	9.67	154	128616	26.73	ng	# 87
57) Fluorene	10.18	166	257157	46.59	ng	# 81
70) Phenanthrene	11.13	178	738239	119.97	ng	# 94

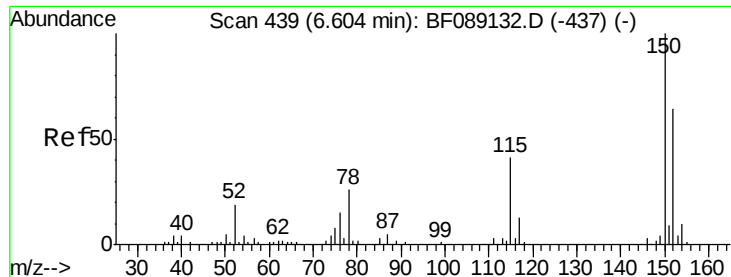
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.57 min Scan# 436

Delta R.T. 0.00 min

Lab File: BF089292.D

Acq: 25 Jul 2016 22:43

Instrument :

BNA_F

ClientSampleId :

NW-2

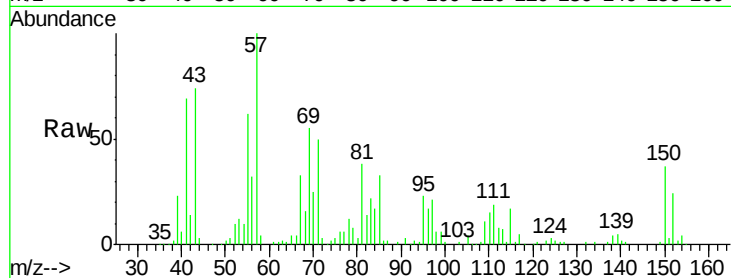
Tot Ion:152 Resp: 51942

Ion Ratio Lower Upper

152 100

150 154.7 125.1 187.7

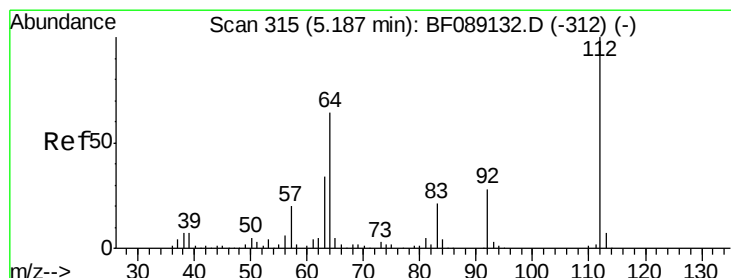
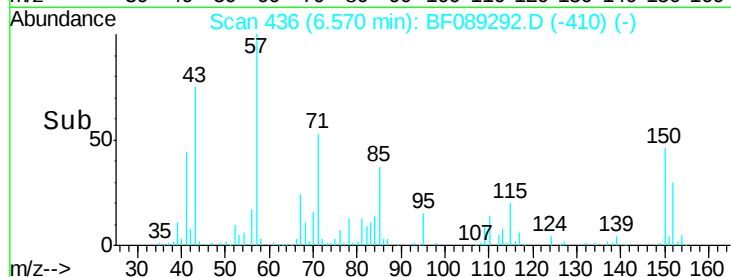
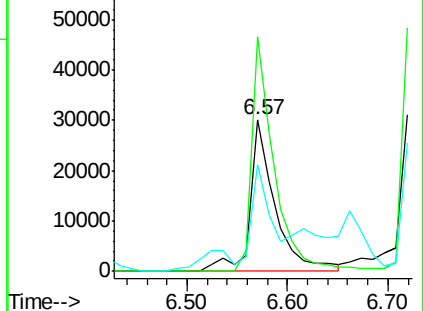
115 70.3 51.1 76.7



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: 108.65 ng

RT: 5.14 min Scan# 311

Delta R.T. 0.00 min

Lab File: BF089292.D

Acq: 25 Jul 2016 22:43

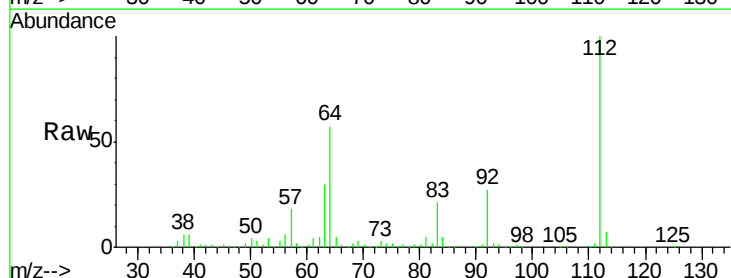
Tgt Ion:112 Resp: 371073

Ion Ratio Lower Upper

112 100

64 57.3 51.0 76.4

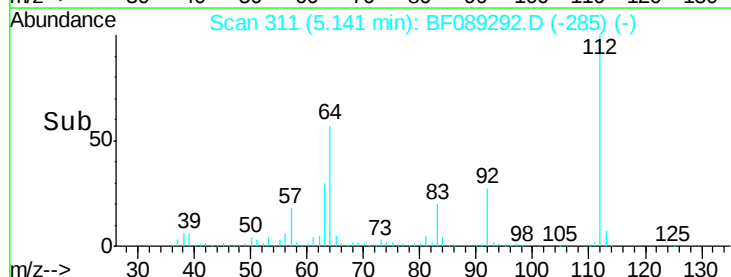
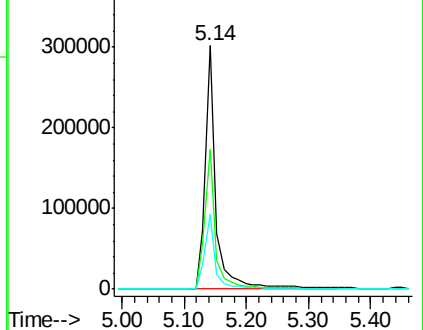
63 30.5 27.3 40.9

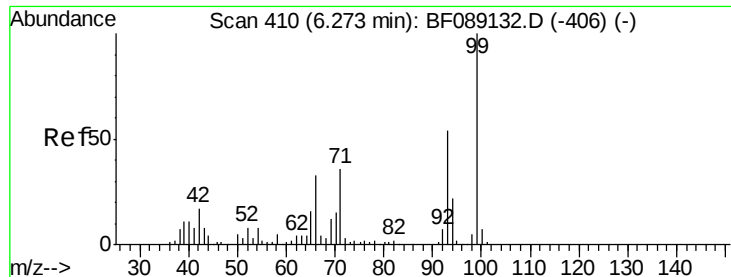


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 106.98 ng

RT: 6.23 min Scan# 406

Delta R.T. 0.00 min

Lab File: BF089292.D

Acq: 25 Jul 2016 22:43

Instrument :

BNA_F

ClientSampleId :

NW-2

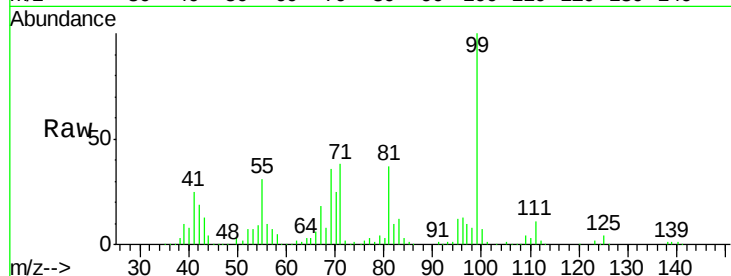
Tot Ion: 99 Resp: 471152

Ion Ratio Lower Upper

99 100

42 18.6 13.5 20.3

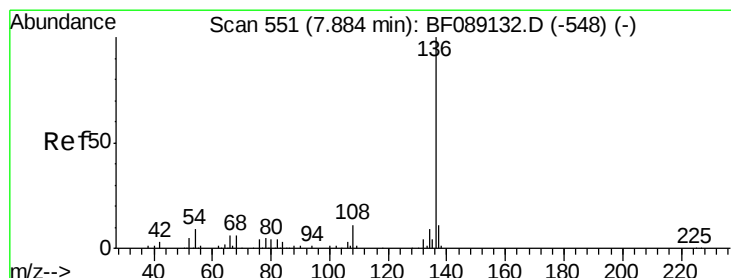
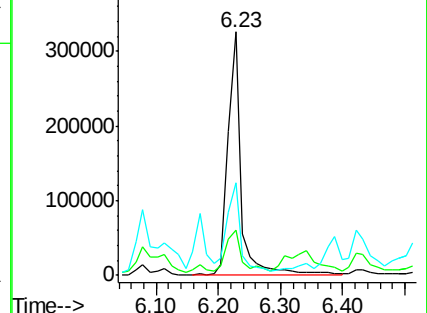
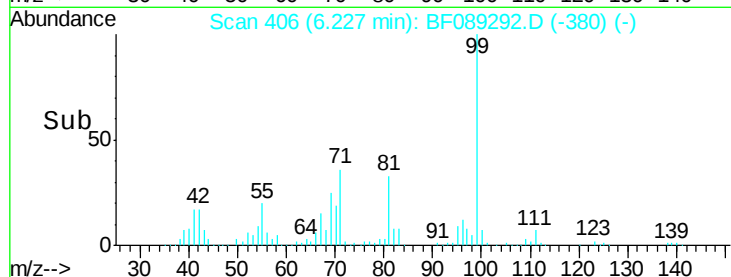
71 38.2 28.9 43.3



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: 7.87 min Scan# 550

Delta R.T. 0.02 min

Lab File: BF089292.D

Acq: 25 Jul 2016 22:43

Tgt Ion: 136 Resp: 152275

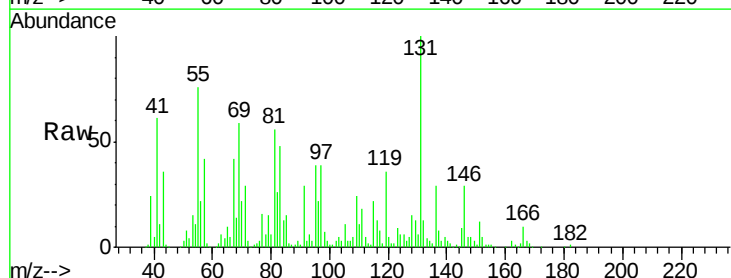
Ion Ratio Lower Upper

136 100

137 26.0 8.8 13.2#

54 36.7 7.0 10.4#

68 47.9 5.0 7.6#

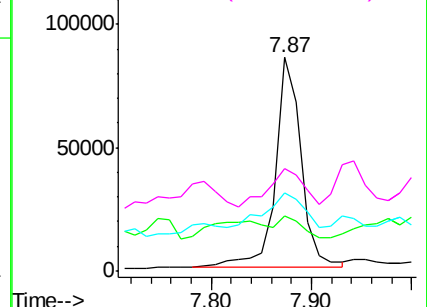
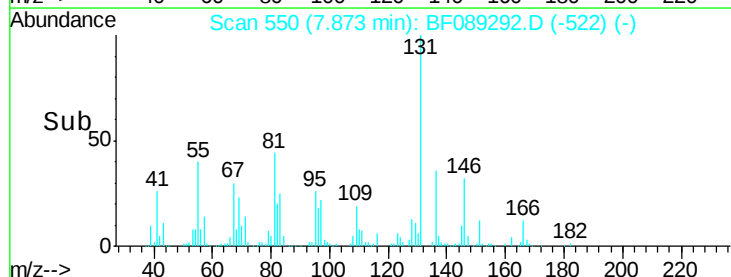


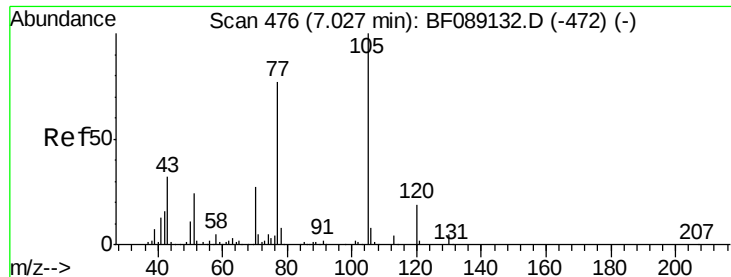
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#22

Acetophenone

Concen: 160.05 ng

RT: 6.99 min Scan# 473

Delta R.T. 0.00 min

Lab File: BF089292.D

Acq: 25 Jul 2016 22:43

Instrument :

BNA_F

ClientSampleId :

NW-2

Tot Ion:105 Resp: 650822

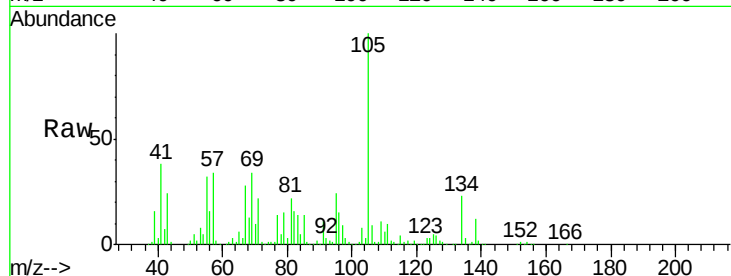
Ion Ratio Lower Upper

105 100

71 21.8 3.8 5.6#

51 5.2 19.6 29.4#

120 0.3 15.5 23.3#

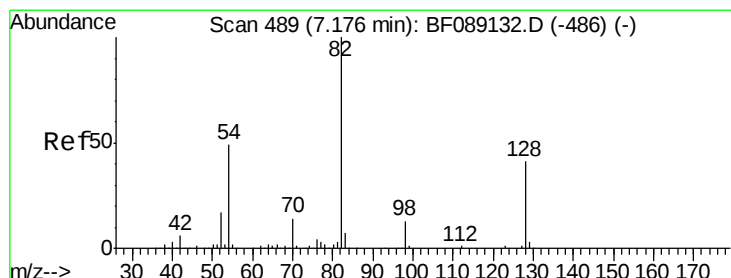
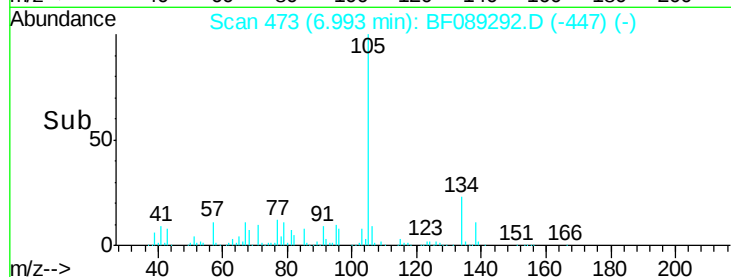
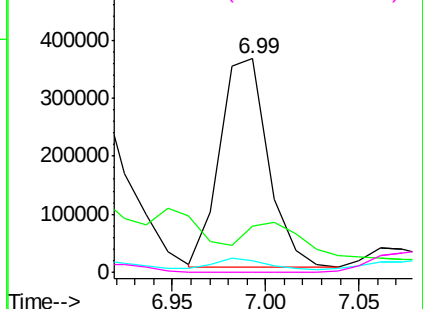


Abundance Ion 105.00 (104.70 to 105.70): E

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: 107.18 ng

RT: 7.15 min Scan# 487

Delta R.T. 0.01 min

Lab File: BF089292.D

Acq: 25 Jul 2016 22:43

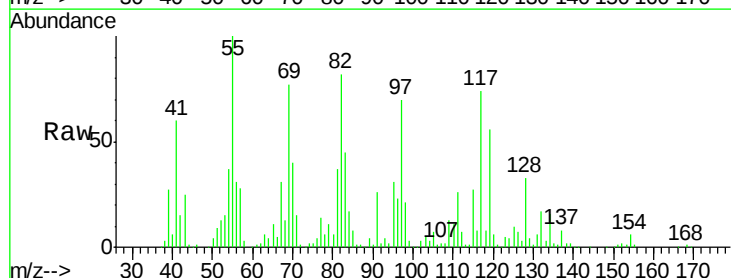
Tgt Ion: 82 Resp: 307162

Ion Ratio Lower Upper

82 100

128 39.8 33.0 49.6

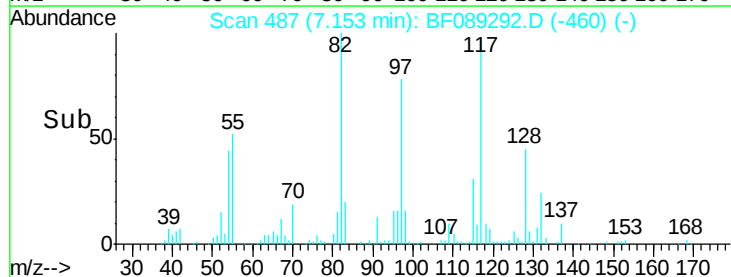
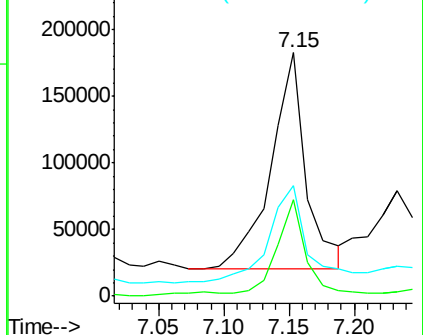
54 45.4 39.0 58.4

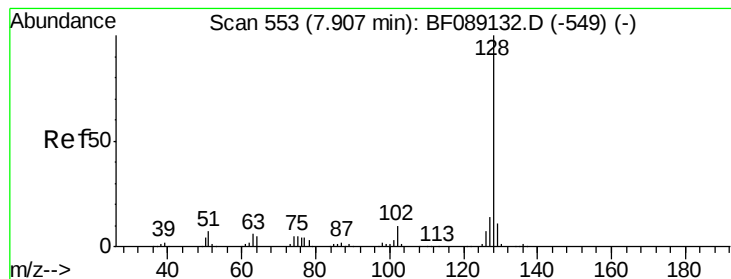


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 51.59 ng

RT: 7.90 min Scan# 552

Delta R.T. 0.02 min

Lab File: BF089292.D

Acq: 25 Jul 2016 22:43

Instrument :

BNA_F

ClientSampleId :

NW-2

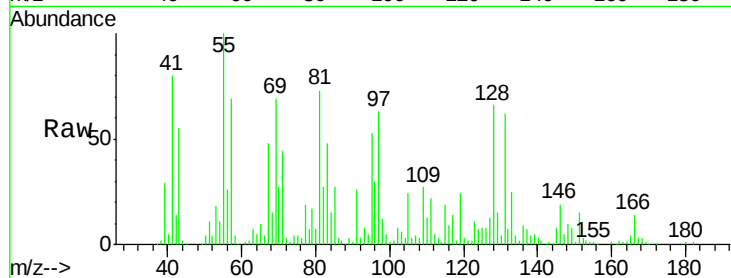
Tot Ion:128 Resp: 424000

Ion Ratio Lower Upper

128 100

129 23.1 8.9 13.3#

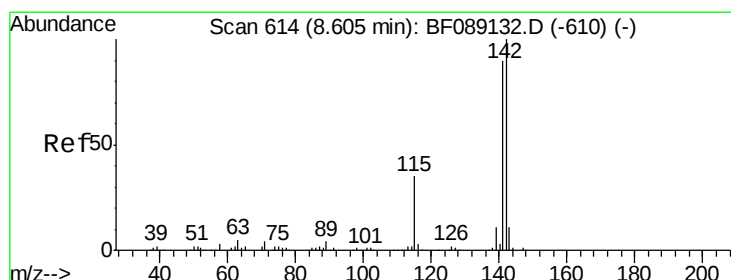
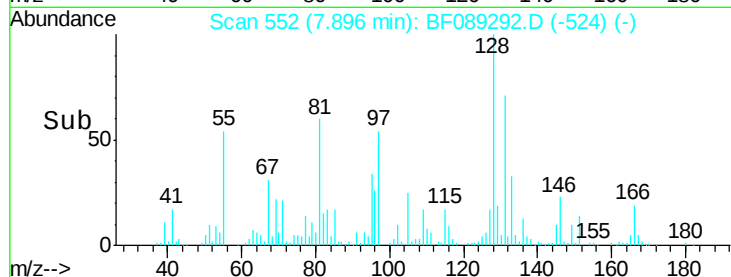
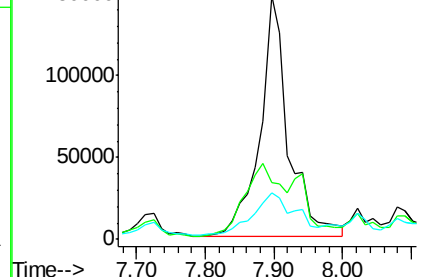
127 19.2 10.8 16.2#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 89.00 ng

RT: 8.60 min Scan# 614

Delta R.T. 0.03 min

Lab File: BF089292.D

Acq: 25 Jul 2016 22:43

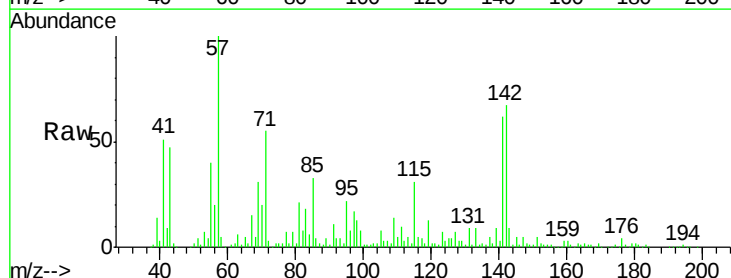
Tgt Ion:142 Resp: 466453

Ion Ratio Lower Upper

142 100

141 92.1 71.6 107.4

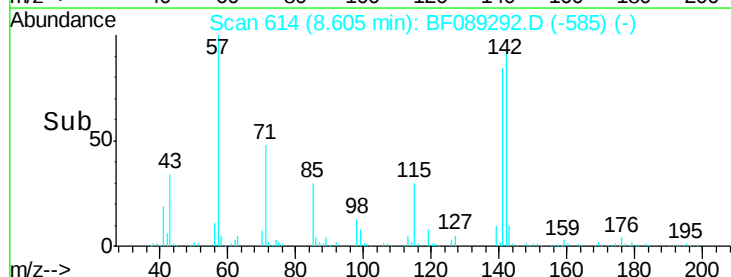
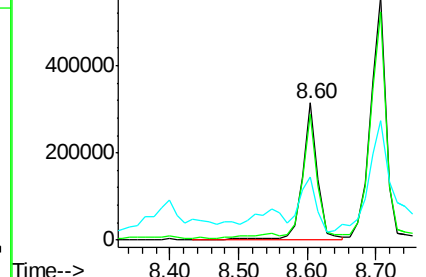
115 45.6 27.6 41.4#

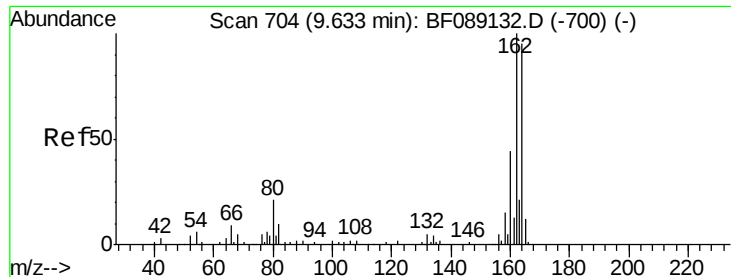


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.63 min Scan# 704

Delta R.T. 0.03 min

Lab File: BF089292.D

Acq: 25 Jul 2016 22:43

Instrument :

BNA_F

ClientSampleId :

NW-2

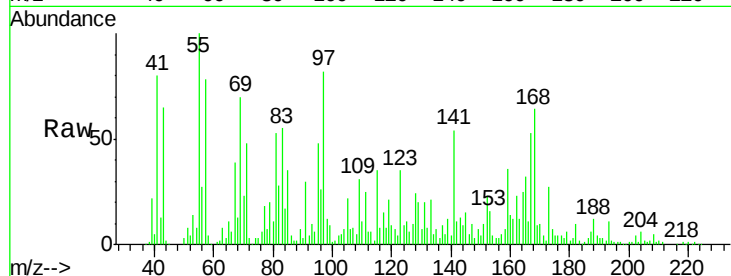
Tot Ion:164 Resp: 75603

Ion Ratio Lower Upper

164 100

162 92.2 84.1 126.1

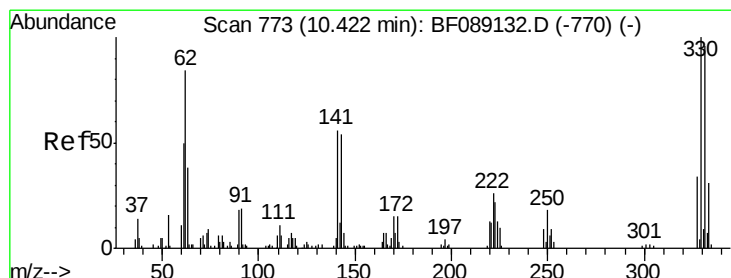
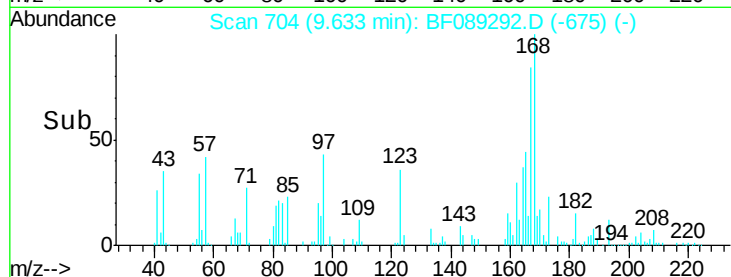
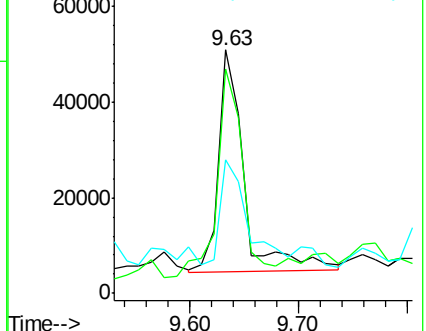
160 55.0 37.1 55.7



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: 91.12 ng

RT: 10.43 min Scan# 774

Delta R.T. 0.05 min

Lab File: BF089292.D

Acq: 25 Jul 2016 22:43

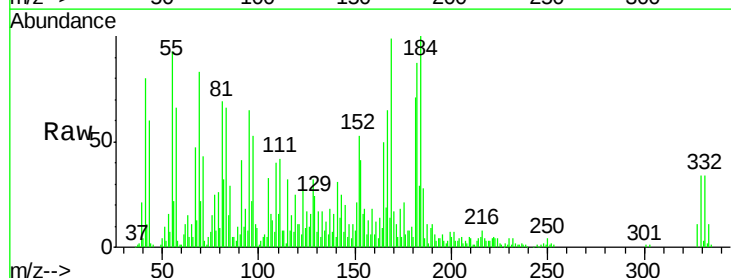
Tgt Ion:330 Resp: 62020

Ion Ratio Lower Upper

330 100

332 99.0 77.2 115.8

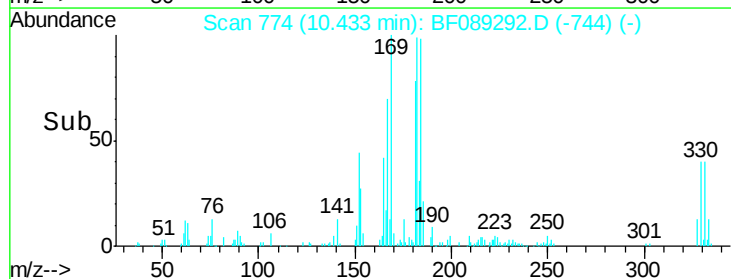
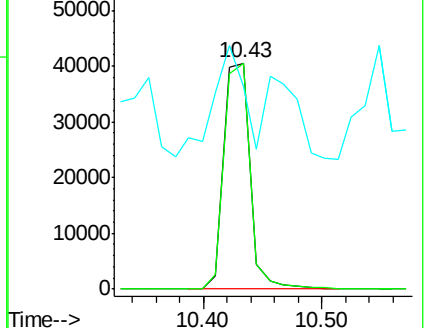
141 56.9 42.2 63.2

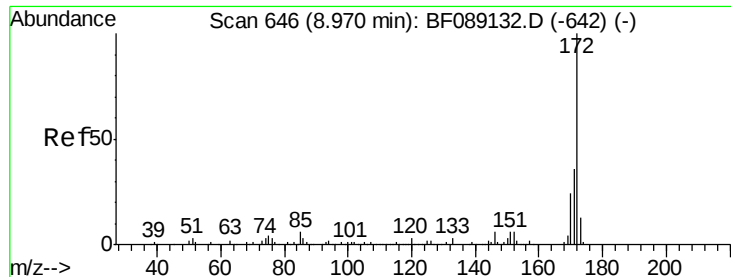


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 59.50 ng

RT: 8.96 min Scan# 645

Delta R.T. 0.02 min

Lab File: BF089292.D

Acq: 25 Jul 2016 22:43

Instrument :

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NW-2

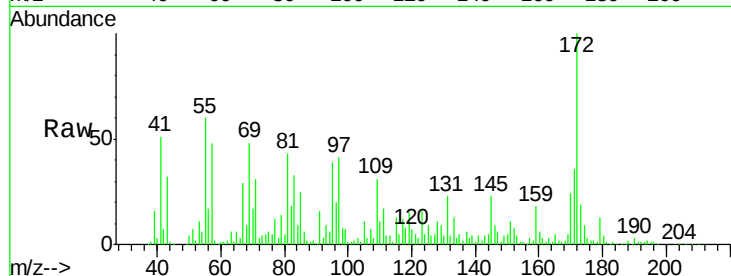
Tot Ion:172 Resp: 326491

Ion Ratio Lower Upper

172 100

171 36.2 29.2 43.8

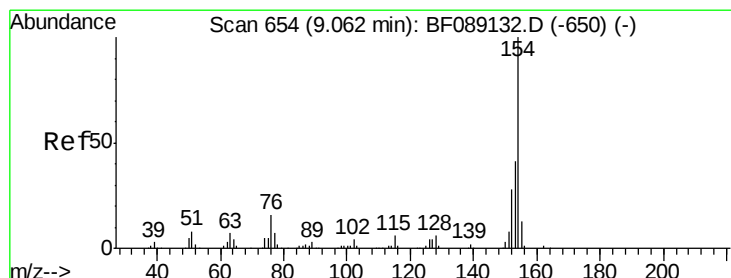
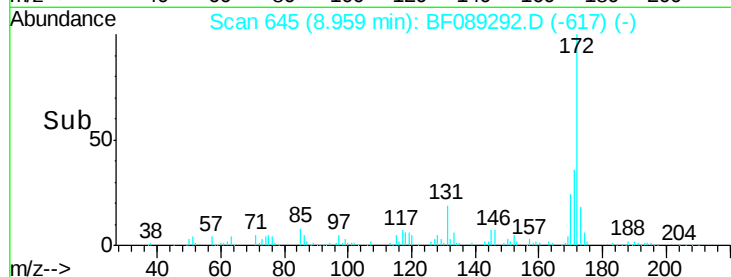
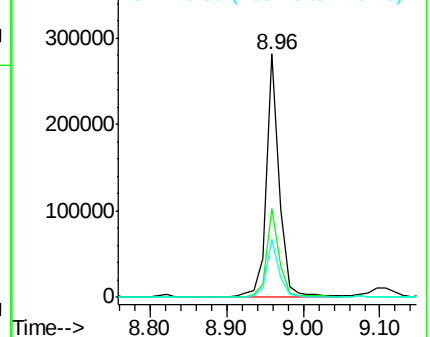
170 23.6 19.1 28.7



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



#45

1,1'-Biphenyl

Concen: 23.65 ng

RT: 9.06 min Scan# 654

Delta R.T. 0.03 min

Lab File: BF089292.D

Acq: 25 Jul 2016 22:43

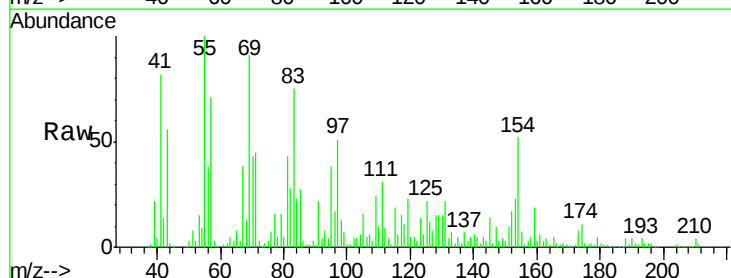
Tgt Ion:154 Resp: 161031

Ion Ratio Lower Upper

154 100

153 44.9 21.1 61.1

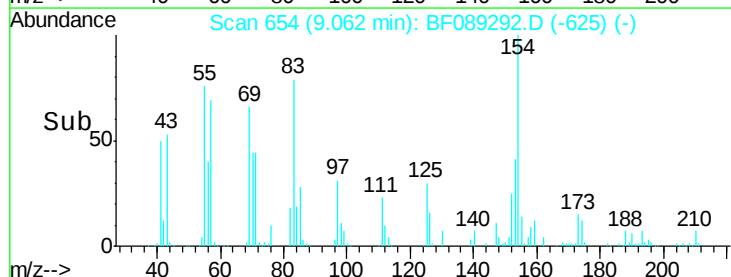
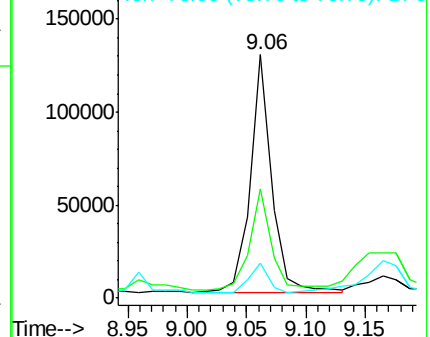
76 14.2 0.0 35.8

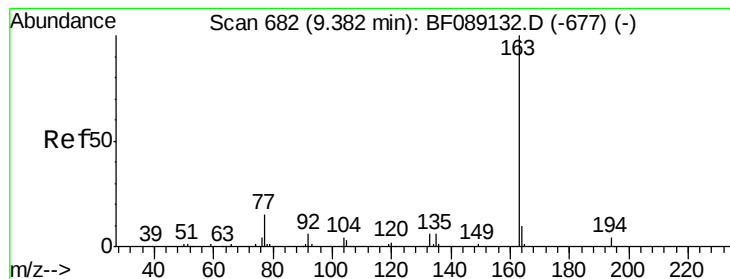


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





#49

Dimethylphthalate

Concen: 20.04 ng

RT: 9.37 min Scan# 681

Delta R.T. 0.02 min

Lab File: BF089292.D

Acq: 25 Jul 2016 22:43

Instrument :

BNA_F

ClientSampleId :

NW-2

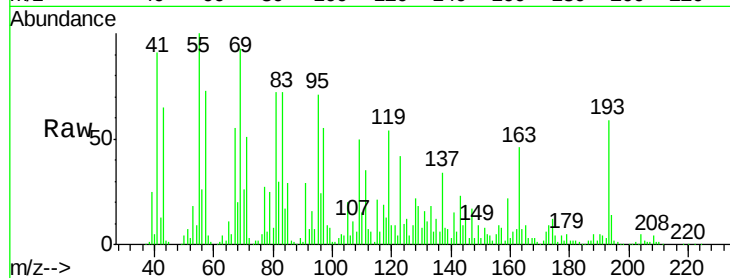
Tot Ion:163 Resp: 116242

Ion Ratio Lower Upper

163 100

194 29.9 2.9 4.3#

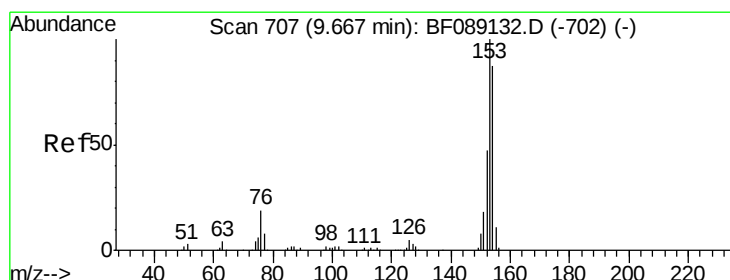
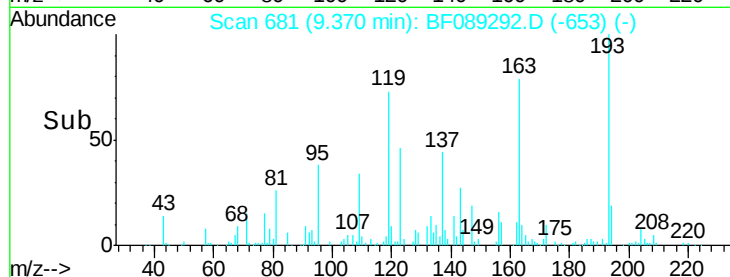
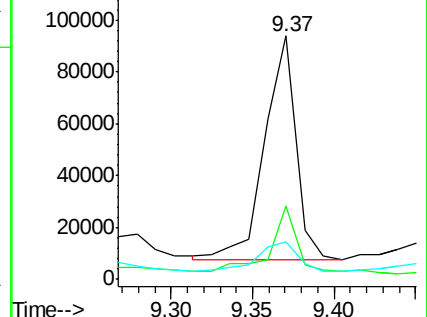
164 15.3 7.6 11.4#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 26.73 ng

RT: 9.67 min Scan# 707

Delta R.T. 0.03 min

Lab File: BF089292.D

Acq: 25 Jul 2016 22:43

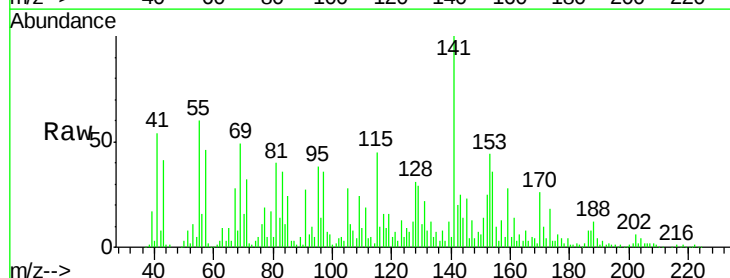
Tgt Ion:154 Resp: 128616

Ion Ratio Lower Upper

154 100

153 123.1 91.9 137.9

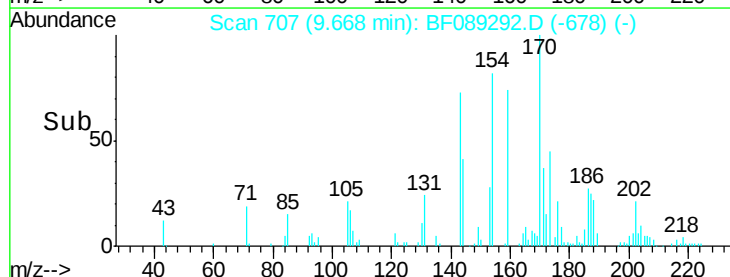
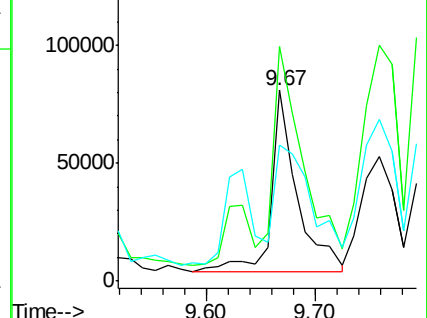
152 71.1 42.8 64.2#

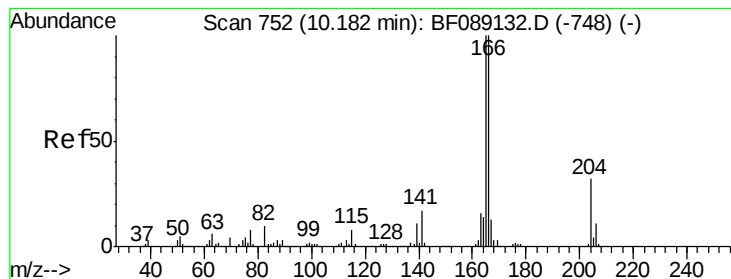


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#57

Fluorene

Concen: 46.59 ng

RT: 10.18 min Scan# 752

Delta R.T. 0.03 min

Lab File: BF089292.D

Acq: 25 Jul 2016 22:43

Instrument :

BNA_F

ClientSampled :

NW-2

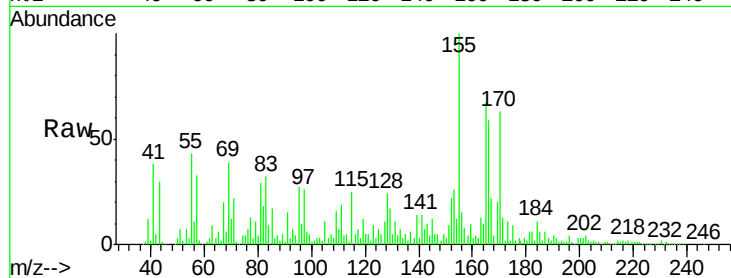
Tot Ion:166 Resp: 257157

Ion Ratio Lower Upper

166 100

165 113.6 79.9 119.9

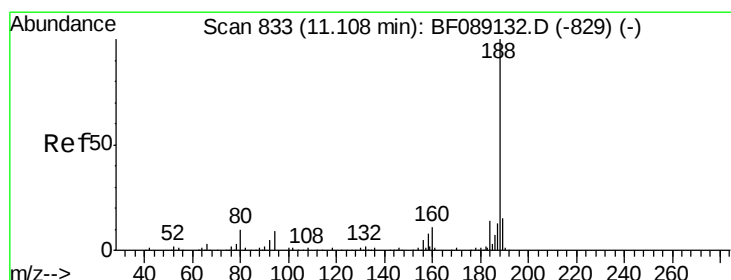
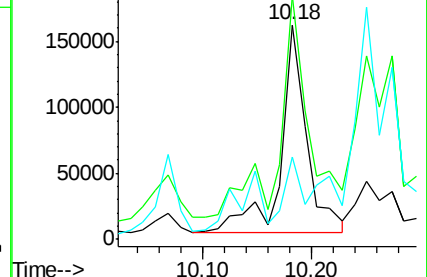
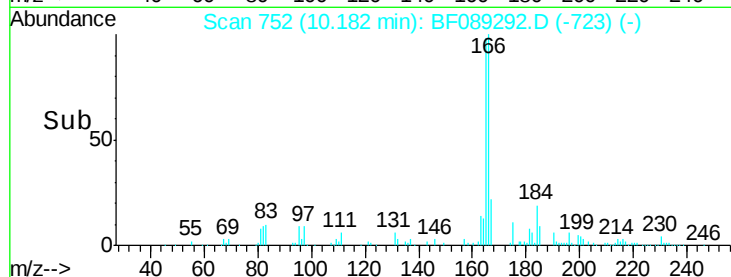
167 38.1 10.7 16.1#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.11 min Scan# 833

Delta R.T. 0.03 min

Lab File: BF089292.D

Acq: 25 Jul 2016 22:43

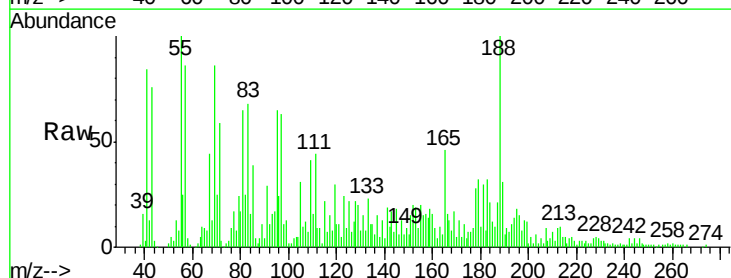
Tgt Ion:188 Resp: 112179

Ion Ratio Lower Upper

188 100

94 16.8 7.0 10.4#

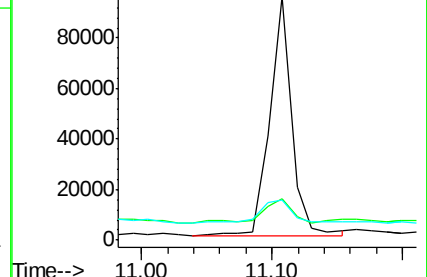
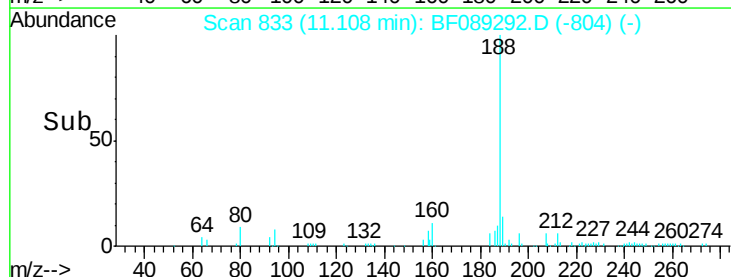
80 16.7 7.7 11.5#

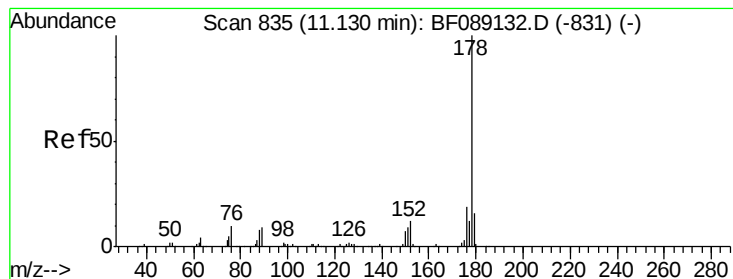


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 119.97 ng

RT: 11.13 min Scan# 835

Delta R.T. 0.03 min

Lab File: BF089292.D

Acq: 25 Jul 2016 22:43

Instrument :

BNA_F

ClientSampleId :

NW-2

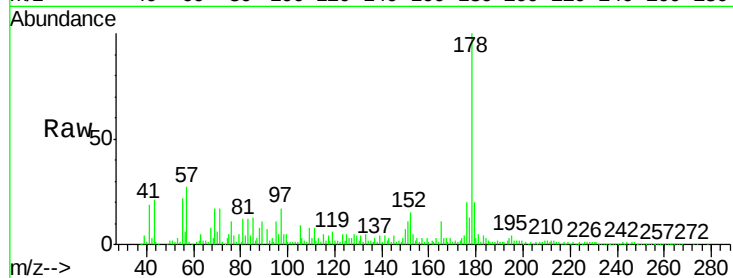
Tot Ion:178 Resp: 738239

Ion Ratio Lower Upper

178 100

176 19.9 15.6 23.4

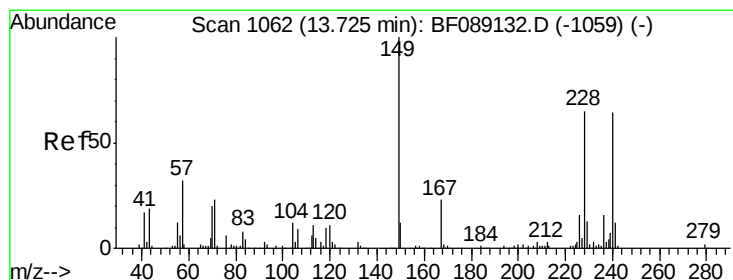
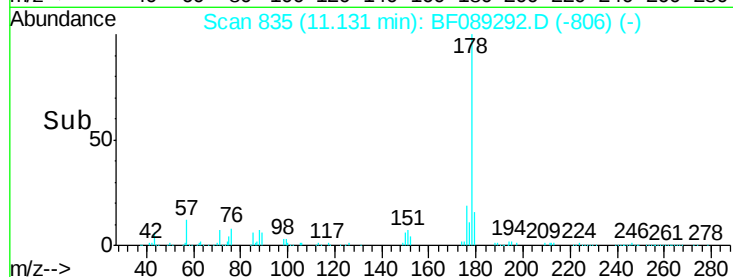
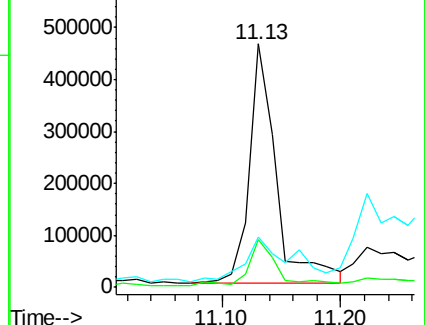
179 20.4 12.4 18.6#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.68 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BF089292.D

Acq: 25 Jul 2016 22:43

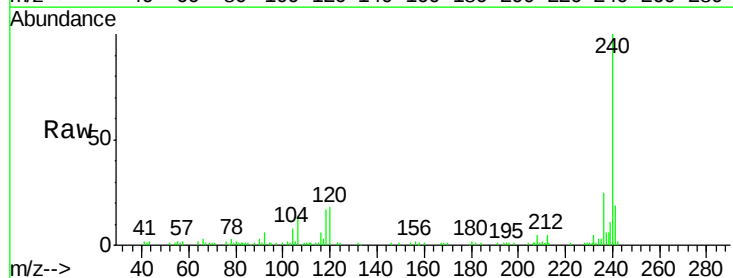
Tgt Ion:240 Resp: 96927

Ion Ratio Lower Upper

240 100

120 18.2 13.6 20.4

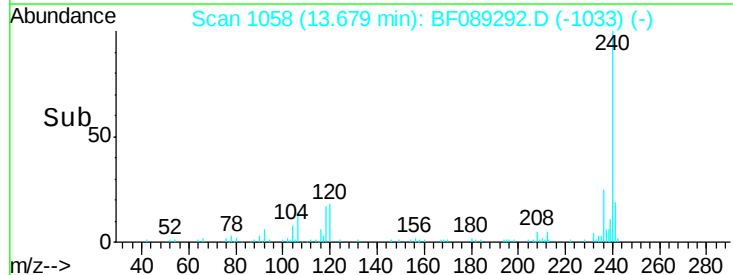
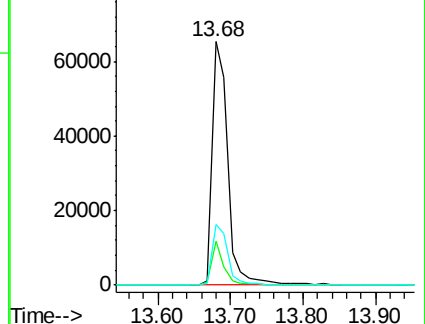
236 25.1 20.5 30.7

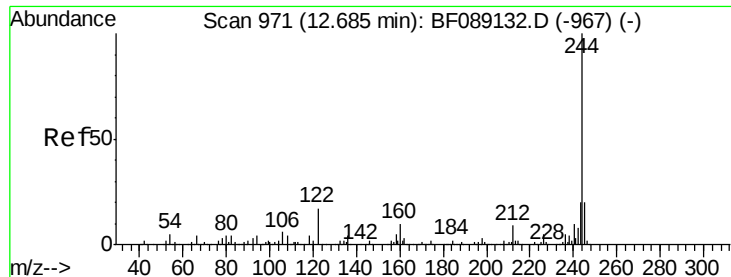


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 62.54 ng

RT: 12.66 min Scan# 969

Delta R.T. 0.01 min

Lab File: BF089292.D

Acq: 25 Jul 2016 22:43

Instrument :

BNA_F

ClientSampleID :

NW-2

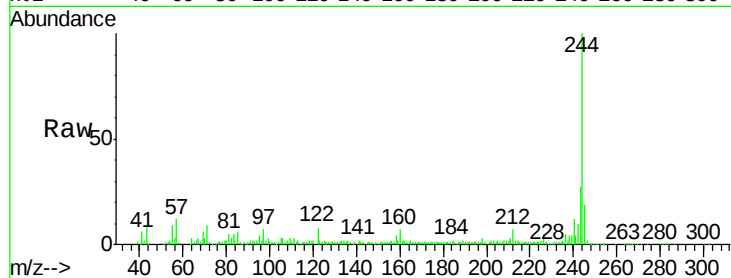
Tot Ion:244 Resp: 279482

Ion Ratio Lower Upper

244 100

212 7.3 7.0 10.4

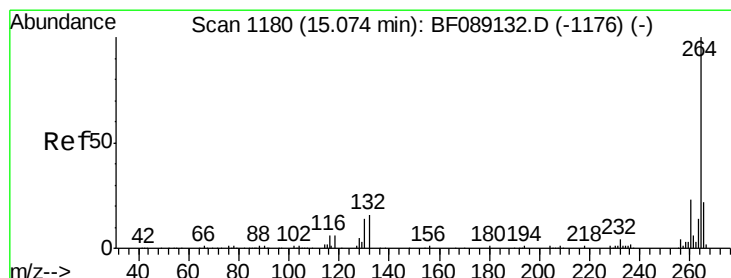
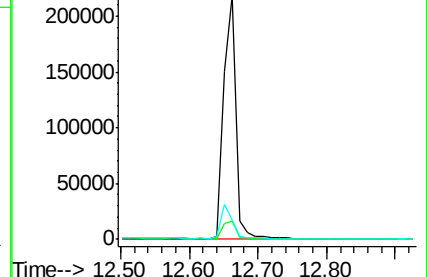
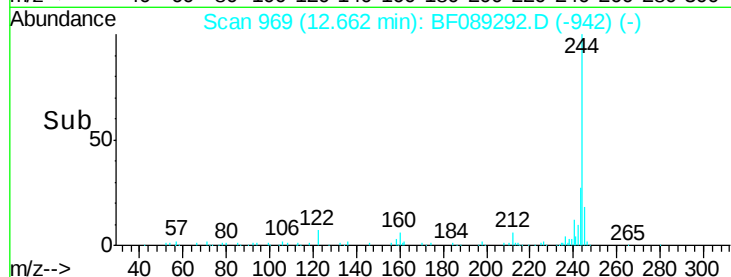
122 8.0 13.8 20.8#



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: 15.02 min Scan# 1175

Delta R.T. -0.01 min

Lab File: BF089292.D

Acq: 25 Jul 2016 22:43

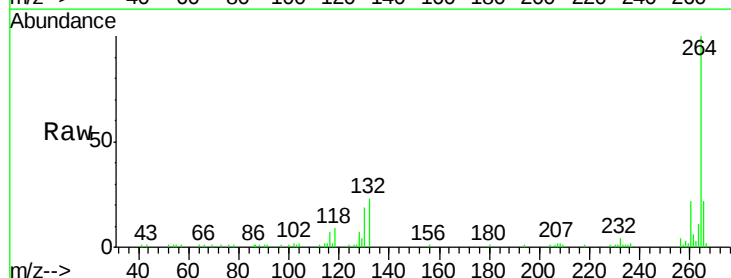
Tgt Ion:264 Resp: 82861

Ion Ratio Lower Upper

264 100

260 22.5 18.5 27.7

265 21.6 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

