

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
 Data File : BF089142.D
 Acq On : 20 Jul 2016 20:23
 Operator : UM/SJ
 Sample : H3606-05
 Misc : LOD 5PPM
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-WATER2016-01

Quant Time: Jul 21 13:04:54 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 20 19:03:15 2016
 Response via : Initial Calibration

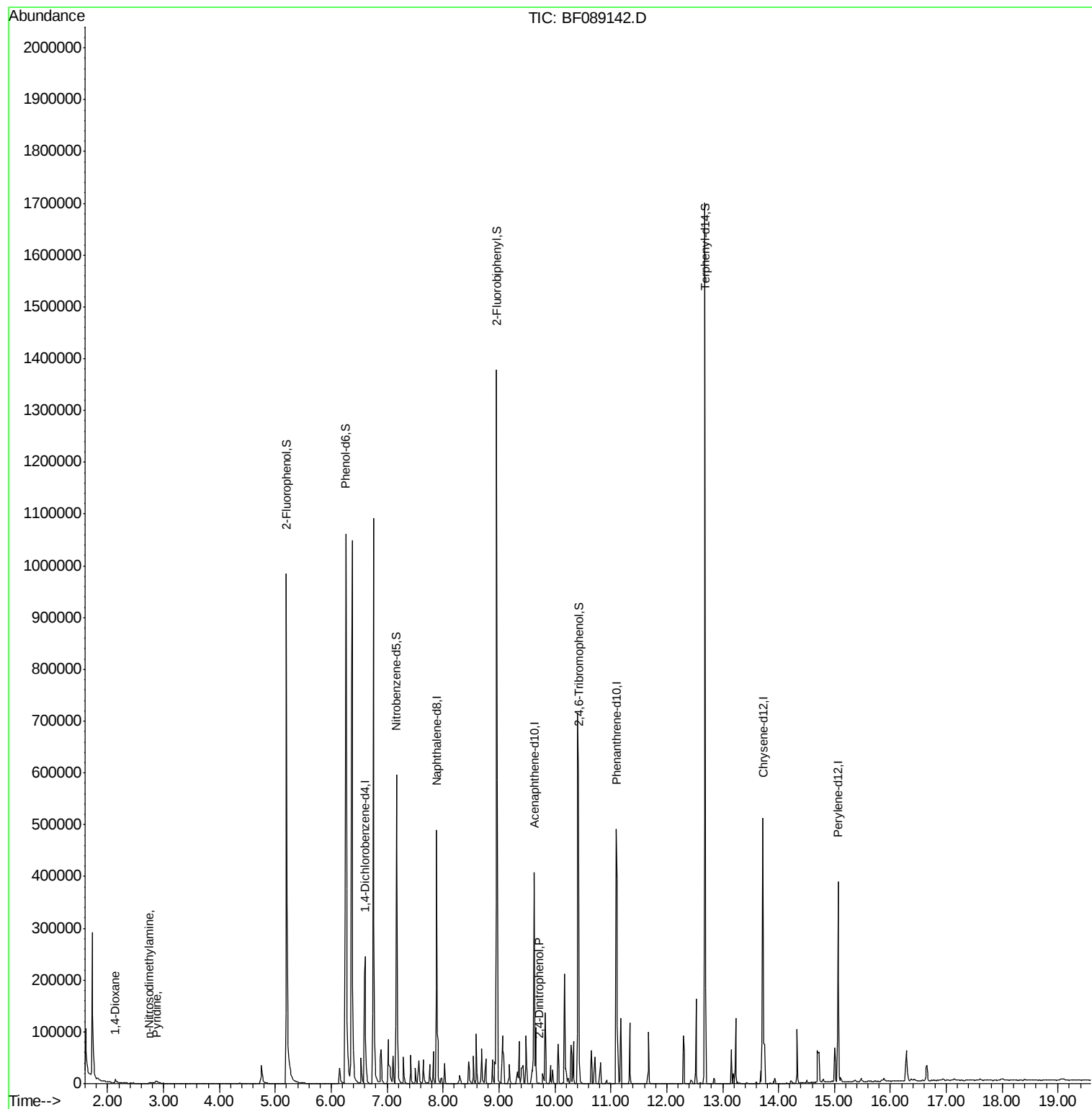
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	57847	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	260387	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	122841	20.00	ng	0.00
63) Phenanthrene-d10	11.10	188	253306	20.00	ng	-0.01
75) Chrysene-d12	13.73	240	204520	20.00	ng	0.00
86) Perylene-d12	15.06	264	167818	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	375910	98.83	ng	0.01
7) Phenol-d6	6.26	99	493708	100.66	ng	-0.01
23) Nitrobenzene-d5	7.16	82	305529	62.35	ng	-0.01
41) 2,4,6-Tribromophenol	10.42	330	119708	108.24	ng	0.00
44) 2-Fluorobiphenyl	8.96	172	554124	62.15	ng	-0.01
78) Terphenyl-d14	12.68	244	510609	54.15	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.14	88	4230	2.56	ng	# 68
3) Pyridine	2.88	79	5796	1.38	ng	# 88
4) n-Nitrosodimethylamine	2.75	42	4313	2.44	ng	# 85
53) 2,4-Dinitrophenol	9.71	184	551m	8.99	ng	

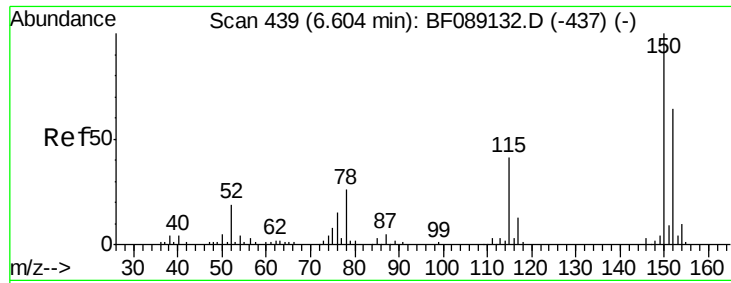
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 439

Delta R.T. 0.00 min

Lab File: BF089142.D

Acq: 20 Jul 2016 20:23

Instrument :

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LOD-WATER2016-01

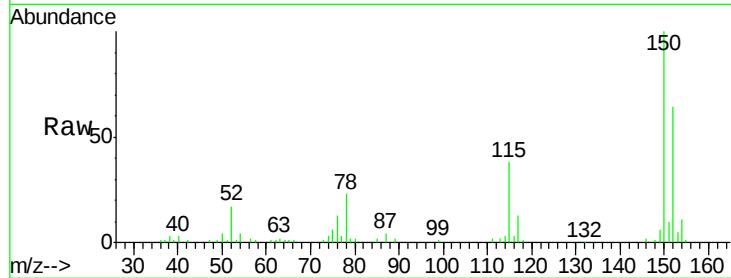
Tgt Ion:152 Resp: 57847

Ion Ratio Lower Upper

152 100

150 155.3 125.1 187.7

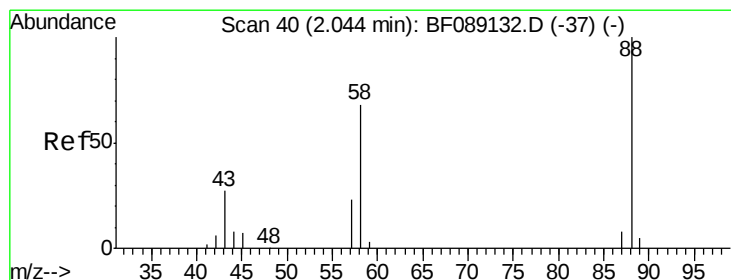
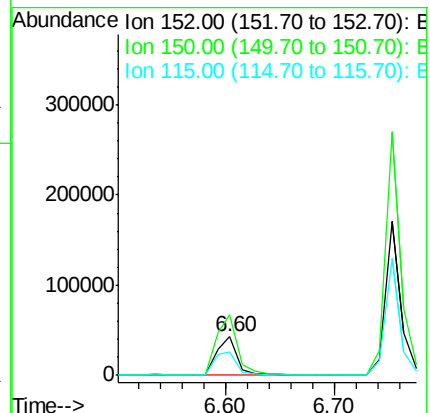
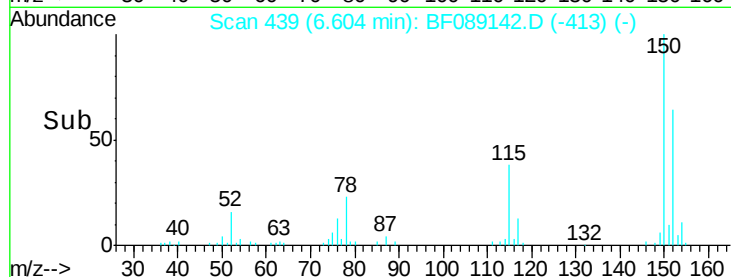
115 59.2 51.1 76.7



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



#2

1,4-Dioxane

Concen: 2.56 ng

RT: 2.14 min Scan# 48

Delta R.T. 0.09 min

Lab File: BF089142.D

Acq: 20 Jul 2016 20:23

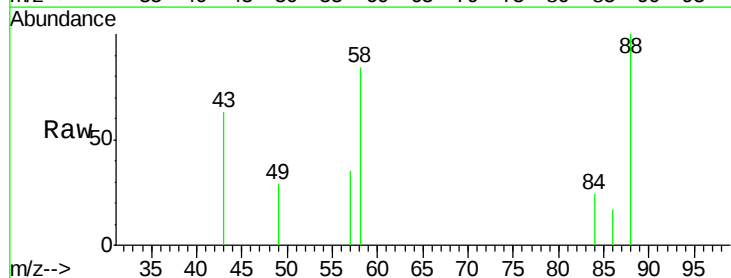
Tgt Ion: 88 Resp: 4230

Ion Ratio Lower Upper

88 100

58 86.0 49.2 73.8#

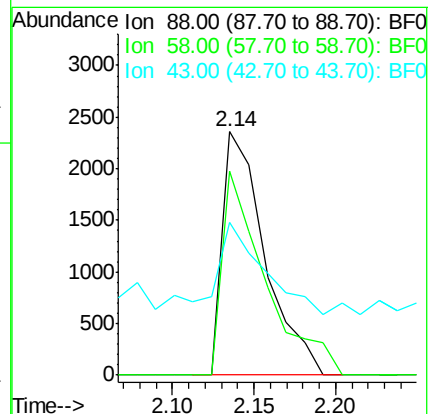
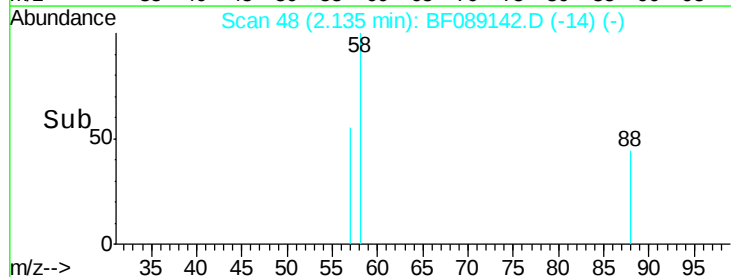
43 41.4 20.6 30.8#

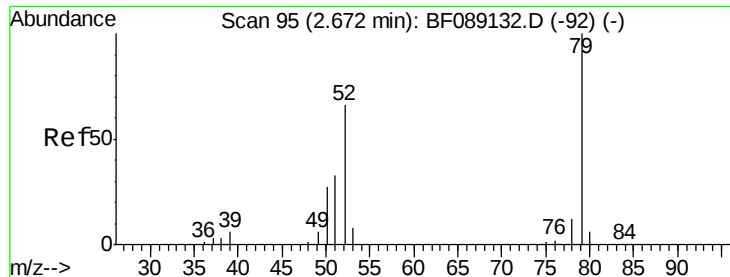


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 1.38 ng

RT: 2.88 min Scan# 113

Delta R.T. 0.21 min

Lab File: BF089142.D

Acq: 20 Jul 2016 20:23

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LOD-WATER2016-01

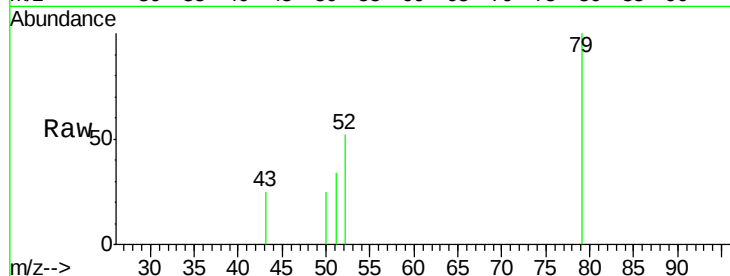
Tgt Ion: 79 Resp: 5796

Ion Ratio Lower Upper

79 100

52 52.1 52.9 79.3#

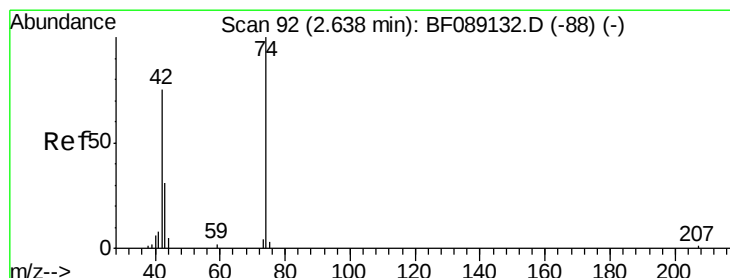
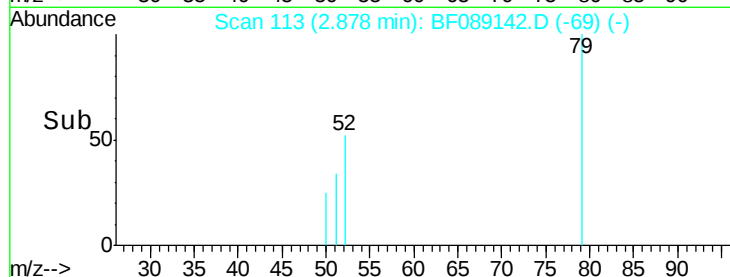
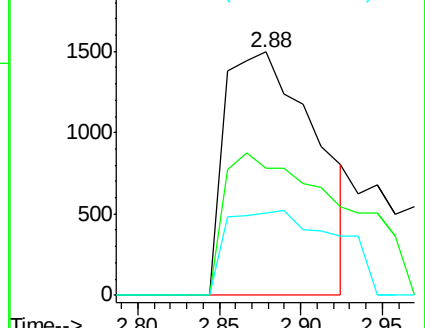
51 33.7 27.0 40.6



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 2.44 ng

RT: 2.75 min Scan# 102

Delta R.T. 0.11 min

Lab File: BF089142.D

Acq: 20 Jul 2016 20:23

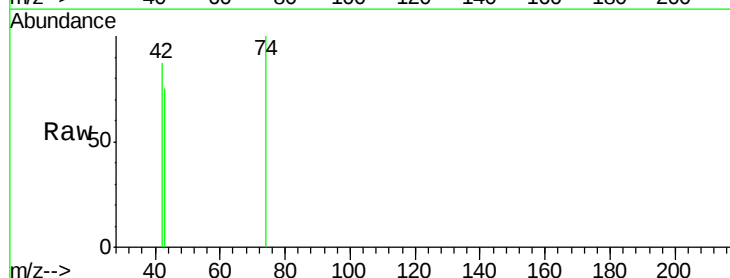
Tgt Ion: 42 Resp: 4313

Ion Ratio Lower Upper

42 100

74 115.2 106.4 159.6

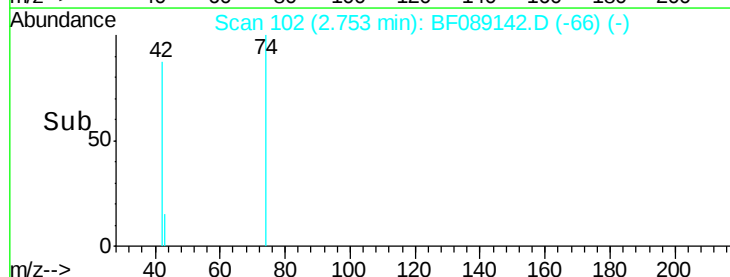
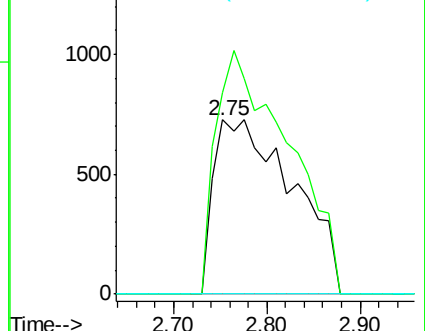
44 0.0 5.2 7.8#

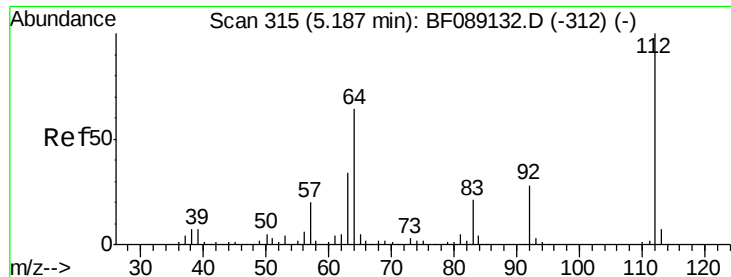


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 98.83 ng

RT: 5.20 min Scan# 316

Delta R.T. 0.01 min

Lab File: BF089142.D

Acq: 20 Jul 2016 20:23

Instrument :

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LOD-WATER2016-01

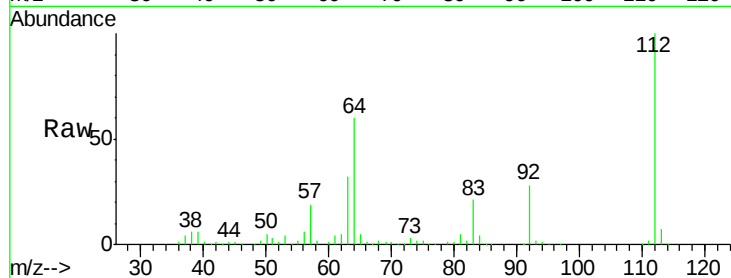
Tgt Ion: 112 Resp: 375910

Ion Ratio Lower Upper

112 100

64 59.8 51.0 76.4

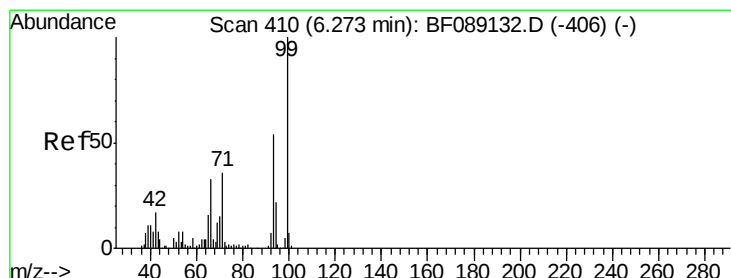
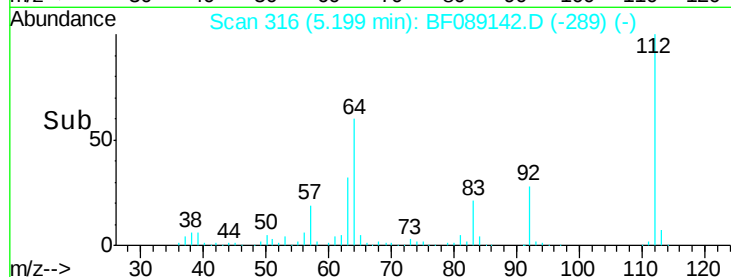
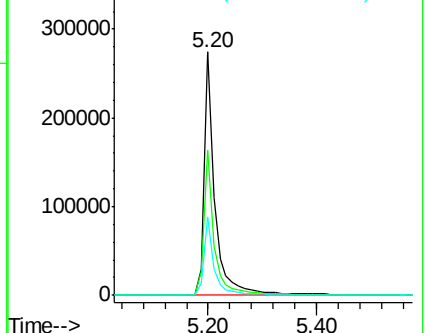
63 32.3 27.3 40.9



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: 100.66 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF089142.D

Acq: 20 Jul 2016 20:23

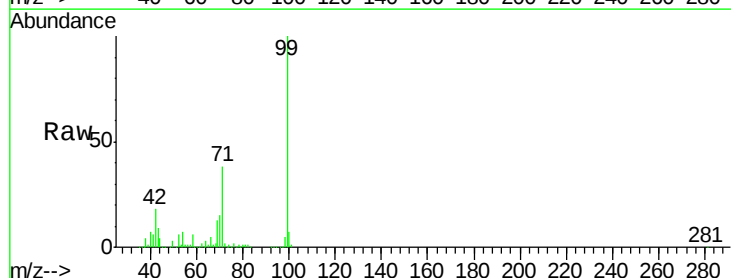
Tgt Ion: 99 Resp: 493708

Ion Ratio Lower Upper

99 100

42 18.2 13.5 20.3

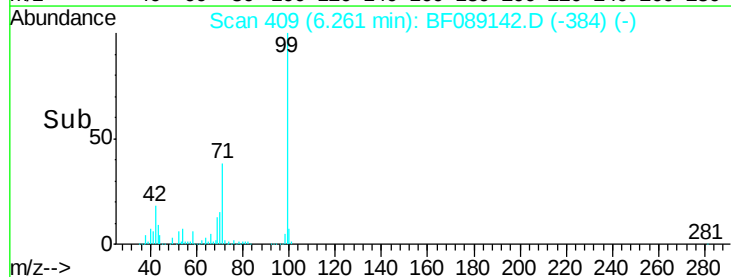
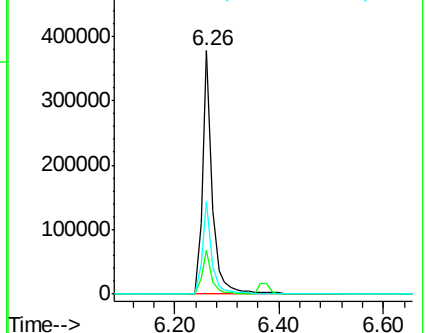
71 38.2 28.9 43.3

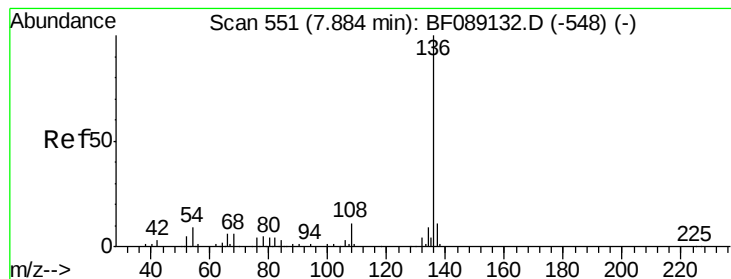


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

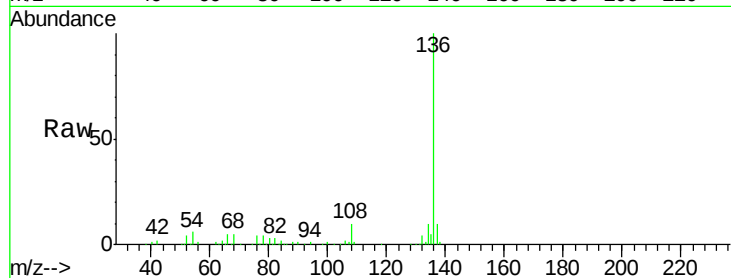




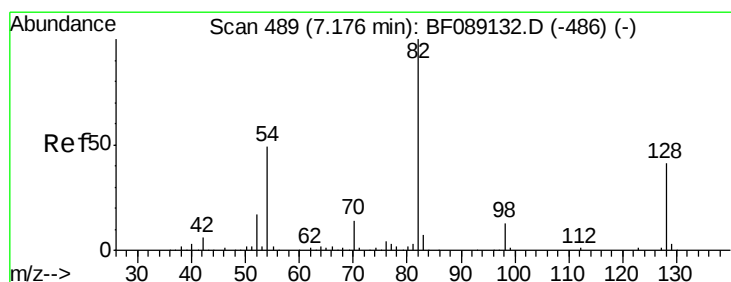
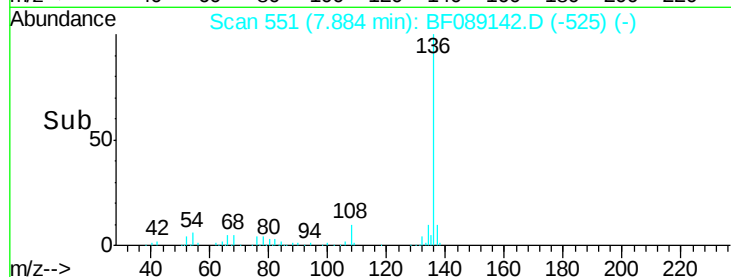
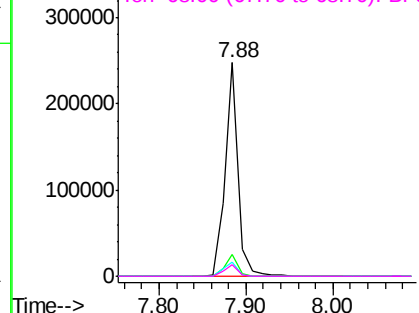
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.88 min Scan# 551
Delta R.T. 0.00 min
Lab File: BF089142.D
Acq: 20 Jul 2016 20:23

Instrument :
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LOD-WATER2016-01

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.8	13.2
54	6.5	7.0	10.4#
68	5.2	5.0	7.6

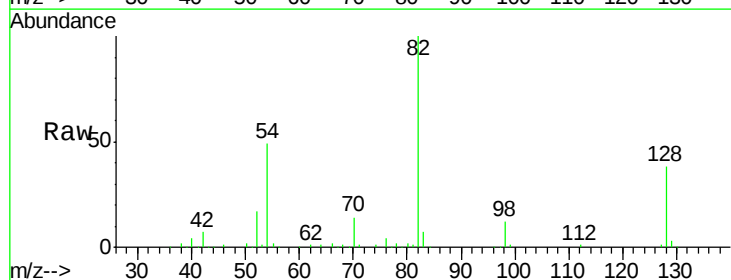


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

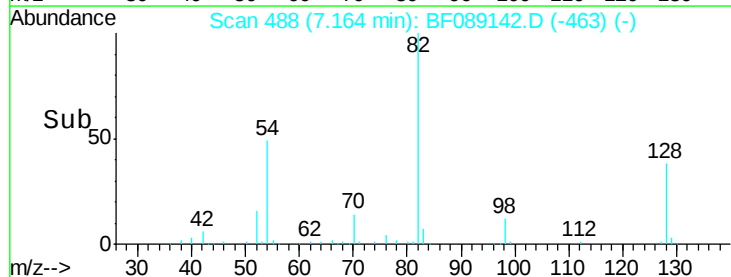
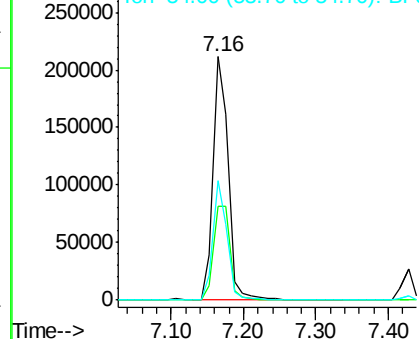


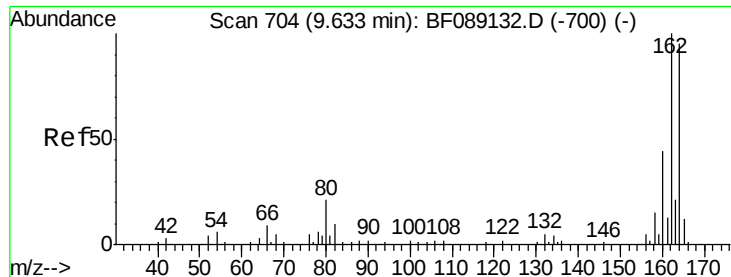
#23
Nitrobenzene-d5
Concen: 62.35 ng
RT: 7.16 min Scan# 488
Delta R.T. -0.01 min
Lab File: BF089142.D
Acq: 20 Jul 2016 20:23

Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.4	33.0	49.6
54	49.2	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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.63 min Scan# 704

Delta R.T. 0.00 min

Lab File: BF089142.D

Acq: 20 Jul 2016 20:23

Instrument :

BNA_F

ClientSampleId :

LOD-WATER2016-01

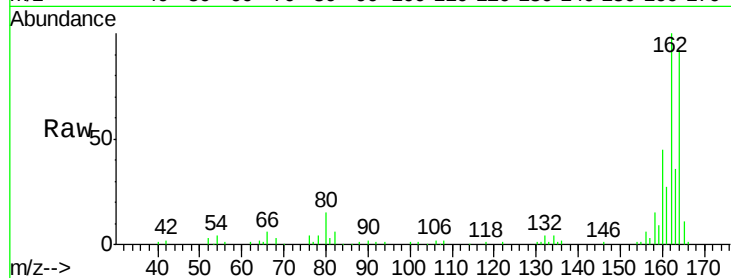
Tgt Ion:164 Resp: 122841

Ion Ratio Lower Upper

164 100

162 108.4 84.1 126.1

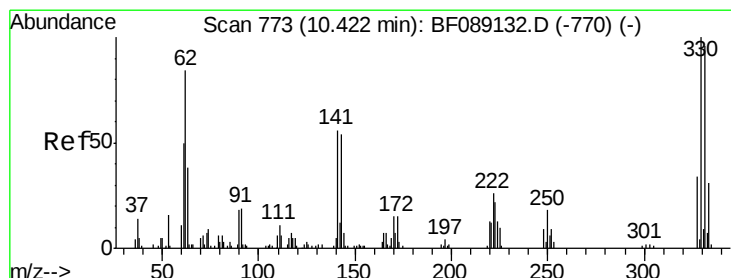
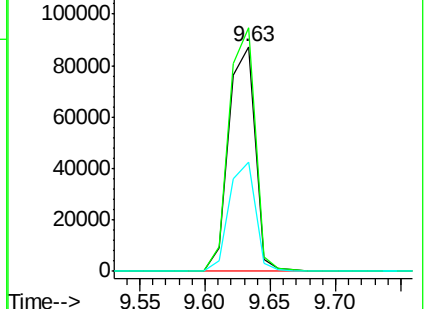
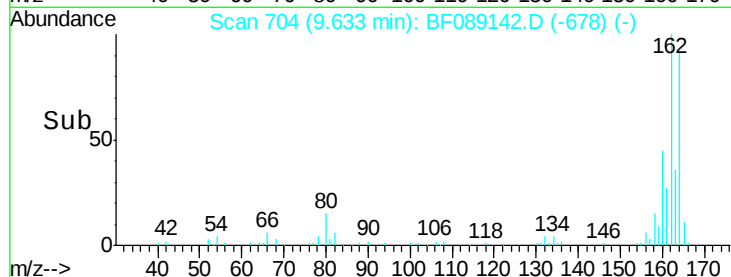
160 48.9 37.1 55.7



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: 108.24 ng

RT: 10.42 min Scan# 773

Delta R.T. 0.00 min

Lab File: BF089142.D

Acq: 20 Jul 2016 20:23

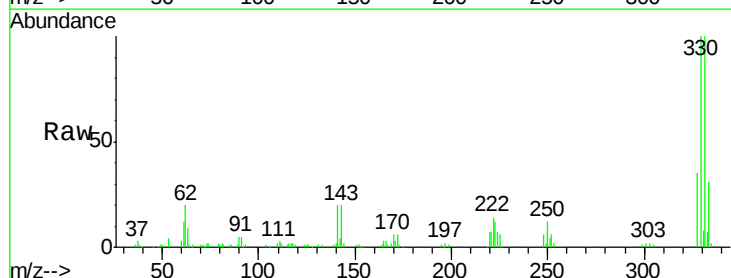
Tgt Ion:330 Resp: 119708

Ion Ratio Lower Upper

330 100

332 98.6 77.2 115.8

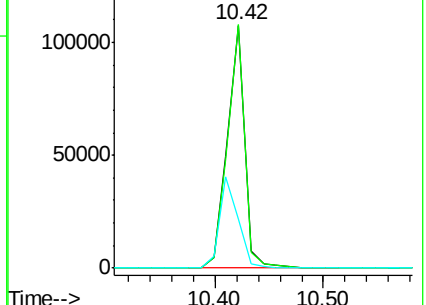
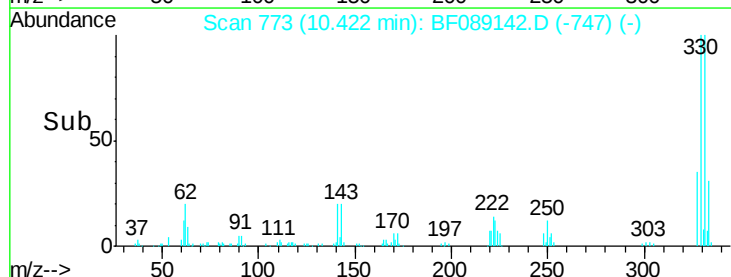
141 40.8 42.2 63.2#

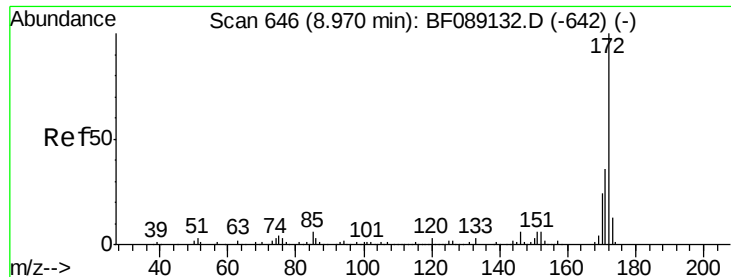


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 62.15 ng

RT: 8.96 min Scan# 645

Delta R.T. -0.01 min

Lab File: BF089142.D

Acq: 20 Jul 2016 20:23

Instrument :

BNA_F

ClientSampleId :

LOD-WATER2016-01

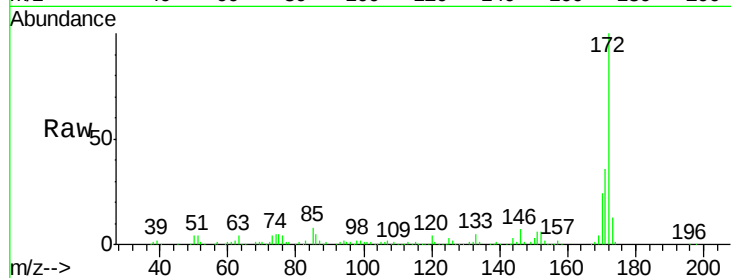
Tgt Ion:172 Resp: 554124

Ion Ratio Lower Upper

172 100

171 36.1 29.2 43.8

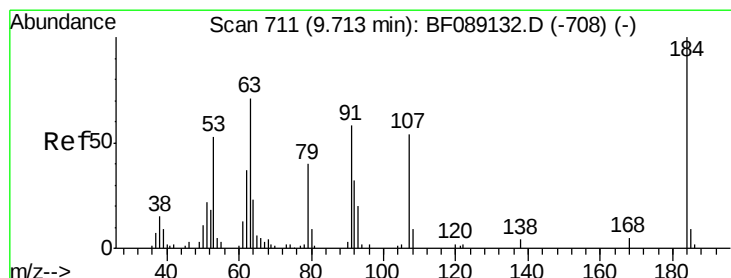
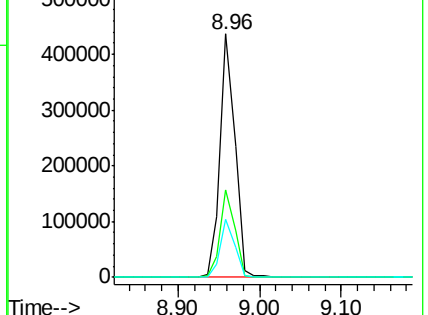
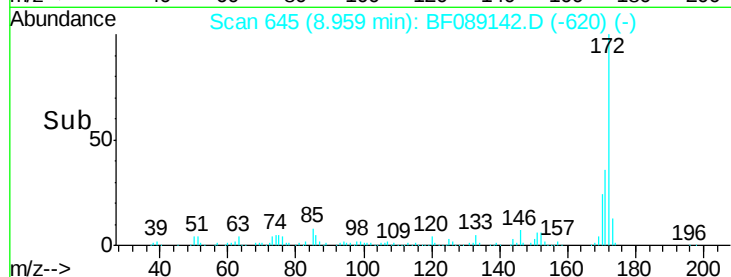
170 23.7 19.1 28.7



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



#53

2,4-Dinitrophenol

Concen: 8.99 ng m

RT: 9.71 min Scan# 711

Delta R.T. 0.00 min

Lab File: BF089142.D

Acq: 20 Jul 2016 20:23

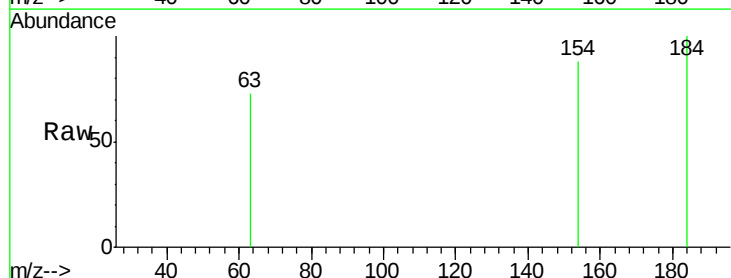
Tgt Ion:184 Resp: 551

Ion Ratio Lower Upper

184 100

63 73.3 60.3 90.5

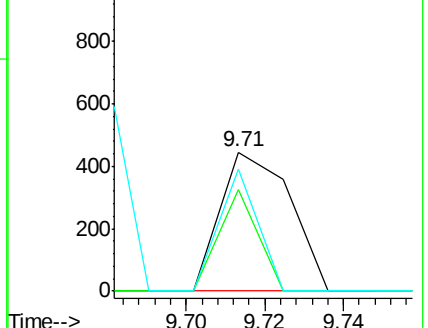
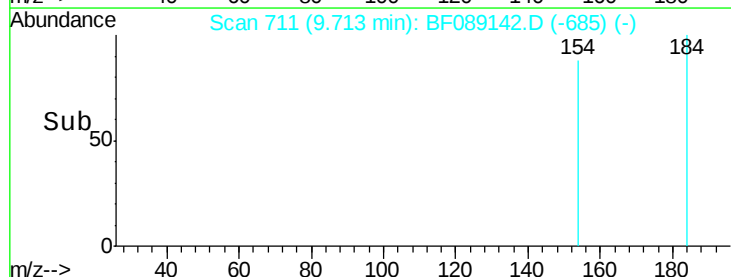
154 87.9 60.7 91.1

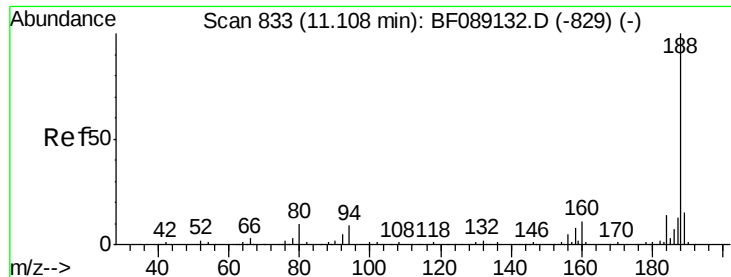


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

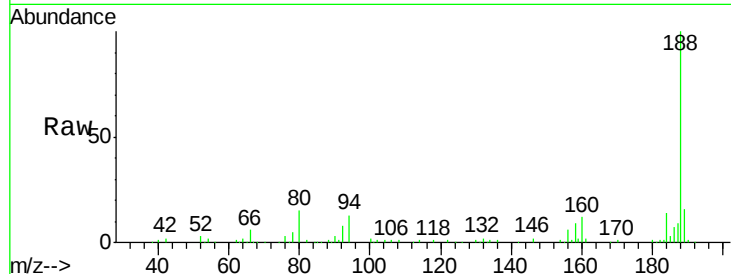




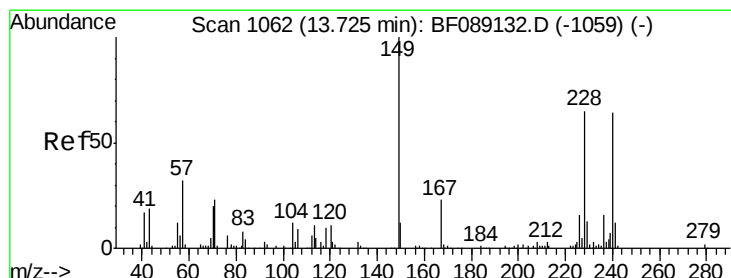
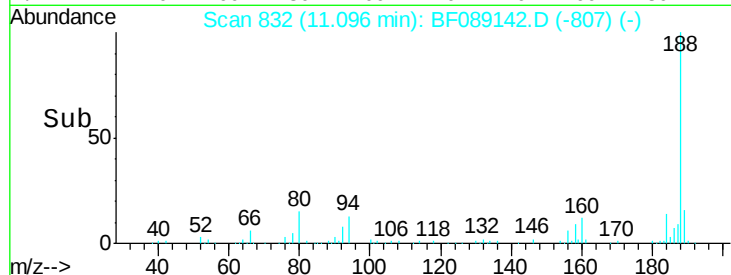
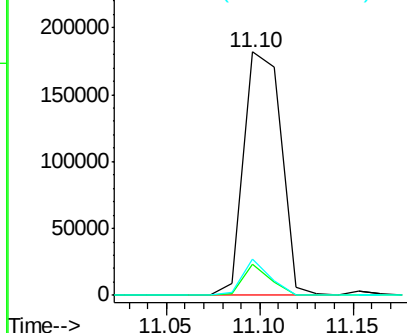
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.01 min
Lab File: BF089142.D
Acq: 20 Jul 2016 20:23

Instrument :
BNA_F
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LOD-WATER2016-01

Tgt Ion:188 Resp: 253306
Ion Ratio Lower Upper
188 100
94 12.9 7.0 10.4#
80 15.1 7.7 11.5#

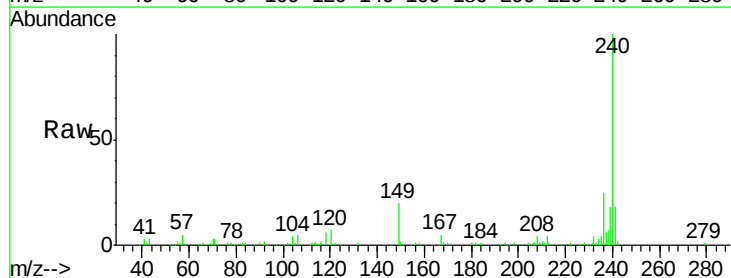


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

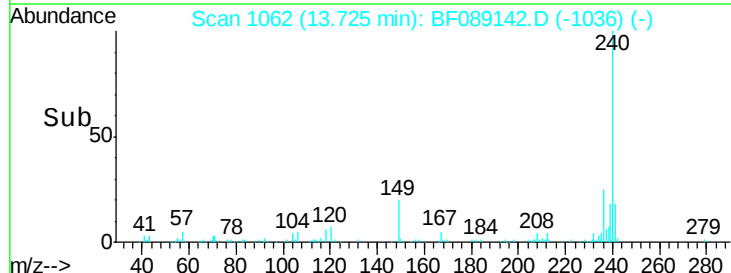
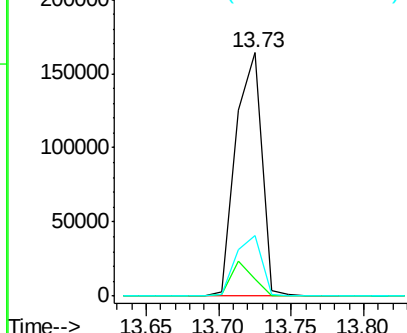


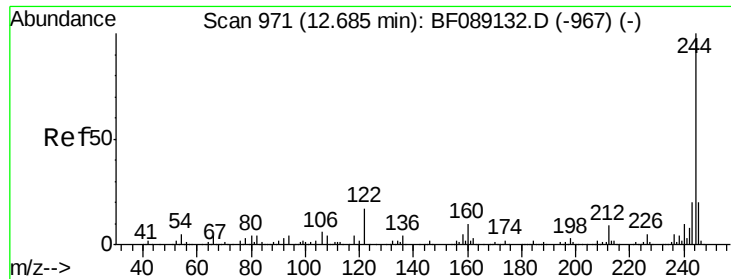
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.73 min Scan# 1062
Delta R.T. 0.00 min
Lab File: BF089142.D
Acq: 20 Jul 2016 20:23

Tgt Ion:240 Resp: 204520
Ion Ratio Lower Upper
240 100
120 6.9 13.6 20.4#
236 25.0 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

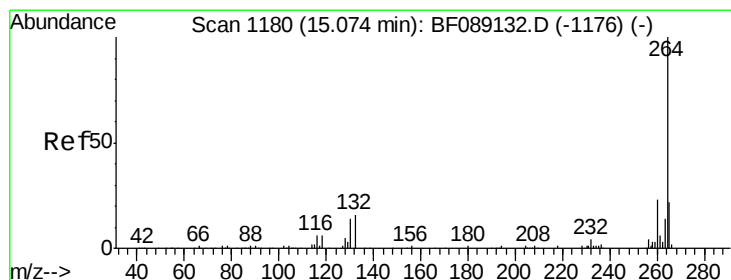
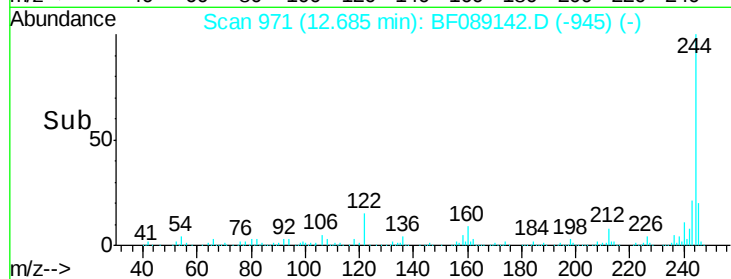
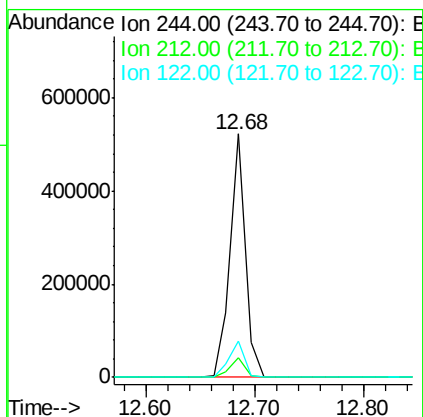
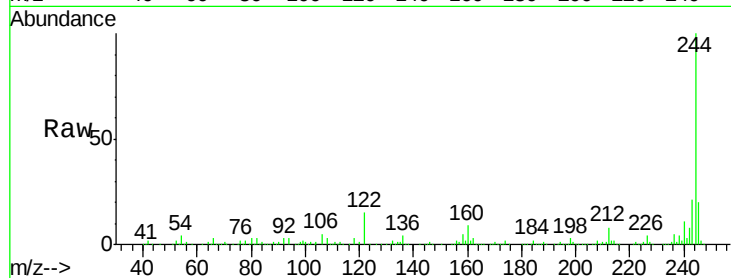




#78
 Terphenyl-d14
 Concen: 54.15 ng
 RT: 12.68 min Scan# 971
 Delta R.T. 0.00 min
 Lab File: BF089142.D
 Acq: 20 Jul 2016 20:23

Instrument :
 BNA_F
 ClientSampleId :
 LOD-WATER2016-01

Tgt Ion:244 Resp: 510609
 Ion Ratio Lower Upper
 244 100
 212 8.2 7.0 10.4
 122 14.9 13.8 20.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.06 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: BF089142.D
 Acq: 20 Jul 2016 20:23

Tgt Ion:264 Resp: 167818
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.5 27.7
 265 21.3 17.3 25.9

