

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122116\
 Data File : BF091839.D
 Acq On : 21 Dec 2016 17:55
 Operator : UM/SJ
 Sample : H6103-05
 Misc : LOD 2PPM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-WATER-05-QT1-2017

Quant Time: Dec 22 02:55:32 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

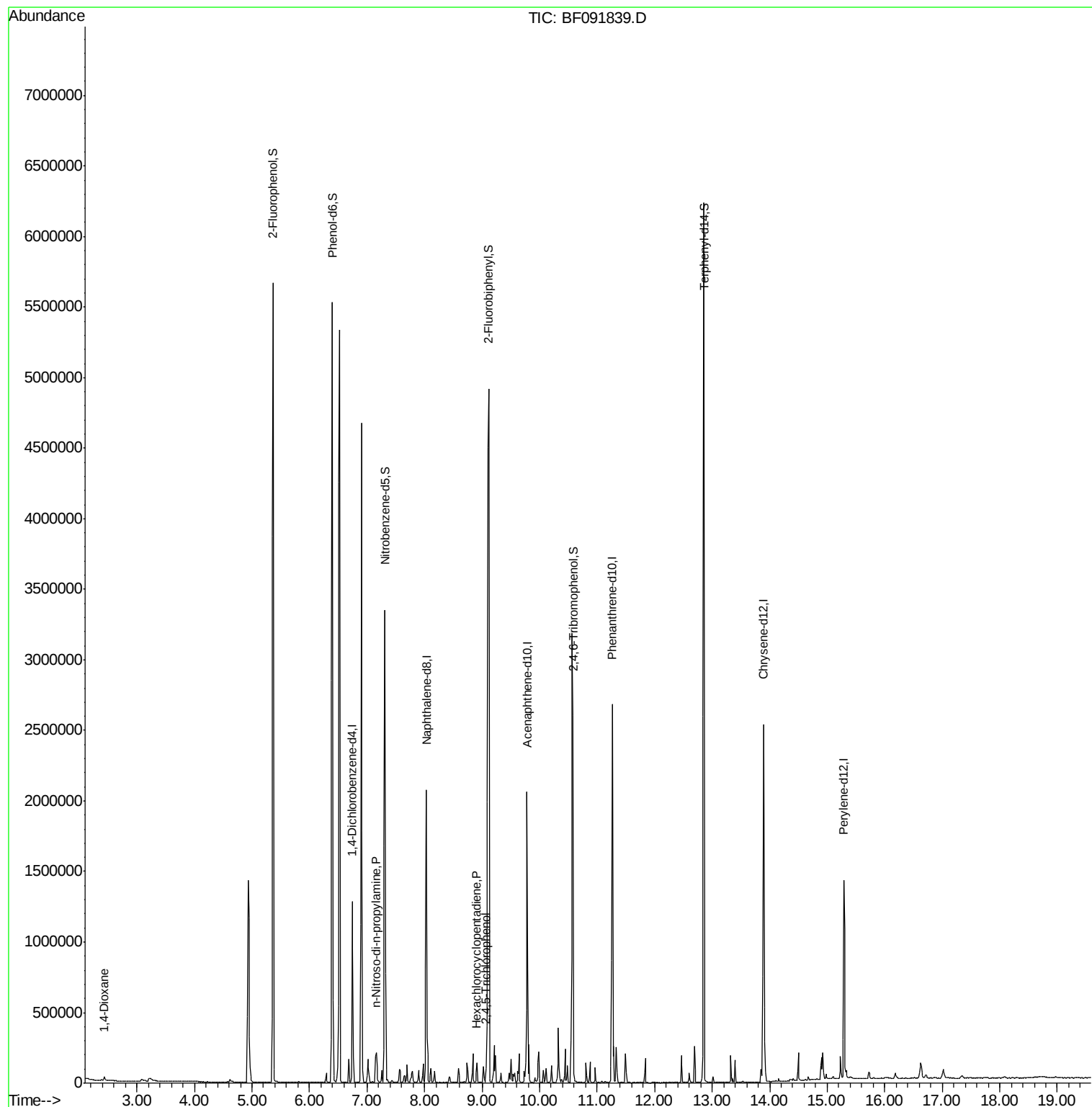
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	260257	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	1104811	20.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	567535	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	1040160	20.00	ng	0.00
75) Chrysene-d12	13.89	240	822293	20.00	ng	-0.01
86) Perylene-d12	15.29	264	726609	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	1937193	124.28	ng	0.02
7) Phenol-d6	6.40	99	2141336	112.52	ng	-0.01
23) Nitrobenzene-d5	7.31	82	1462240	73.60	ng	-0.01
41) 2,4,6-Tribromophenol	10.58	330	640885	136.45	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	2775762	102.93	ng	0.00
78) Terphenyl-d14	12.85	244	2266676	66.85	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.43	88	16258	2.12	ng	Qvalue # 89
19) n-Nitroso-di-n-propylamine	7.16	70	25079	1.98	ng	89
40) Hexachlorocyclopentadiene	8.90	237	3504	4.50	ng	98
43) 2,4,5-Trichlorophenol	9.07	196	17794	1.72	ng	95

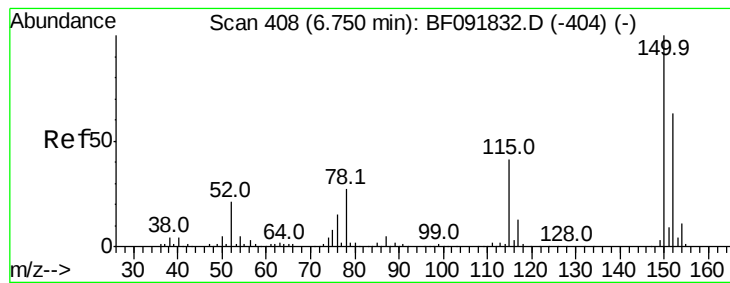
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.01 min

Lab File: BF091839.D

Acq: 21 Dec 2016 17:55

Instrument :

BNA_F

ClientSampleId :

LOD-WATER-05-QT1-2017

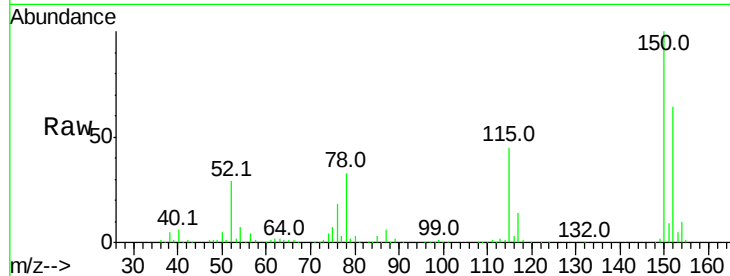
Tot Ion:152 Resp: 260257

Ion Ratio Lower Upper

152 100

150 156.1 124.9 187.3

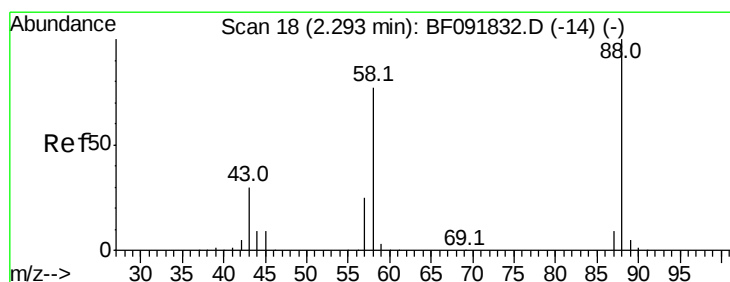
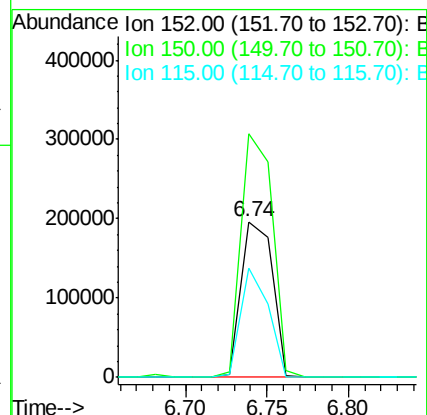
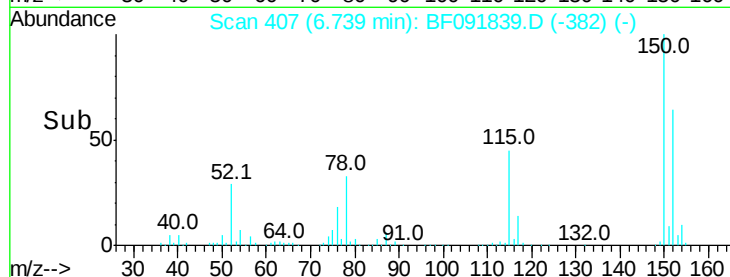
115 70.1 46.0 69.0#



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: 2.12 ng

RT: 2.43 min Scan# 30

Delta R.T. 0.14 min

Lab File: BF091839.D

Acq: 21 Dec 2016 17:55

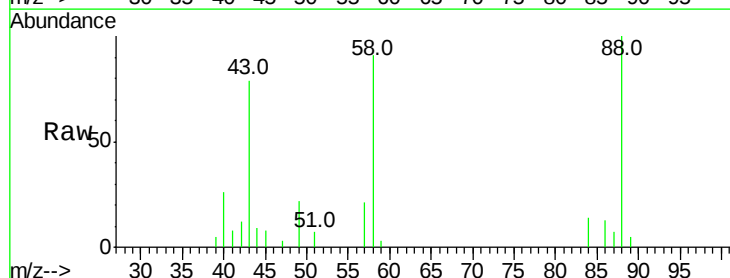
Tgt Ion: 88 Resp: 16258

Ion Ratio Lower Upper

88 100

58 71.8 57.8 86.8

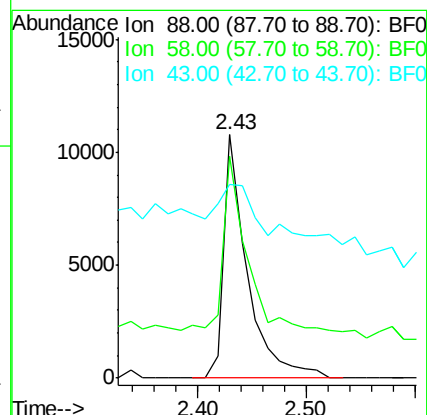
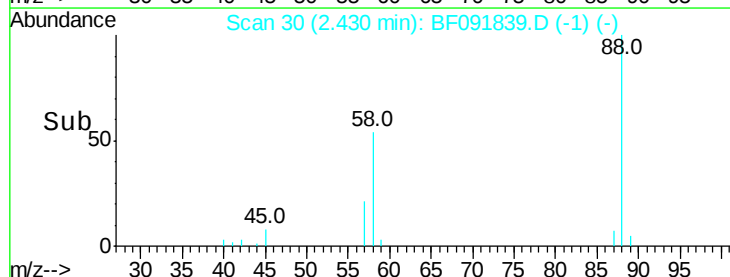
43 47.4 22.3 33.5#

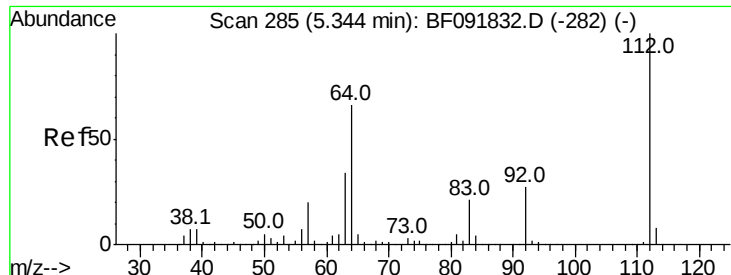


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

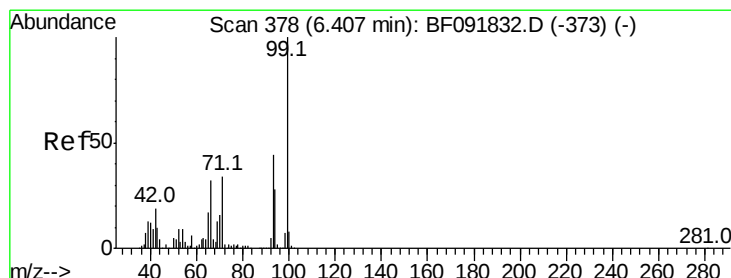
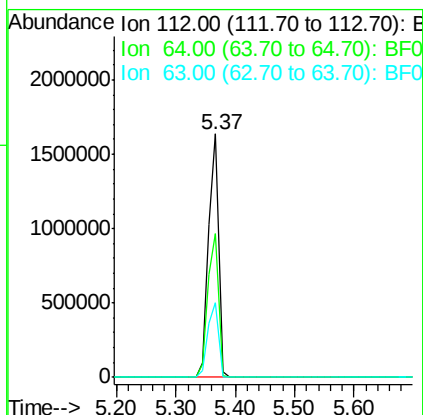
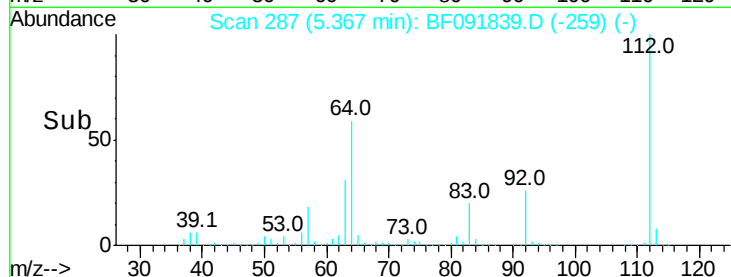
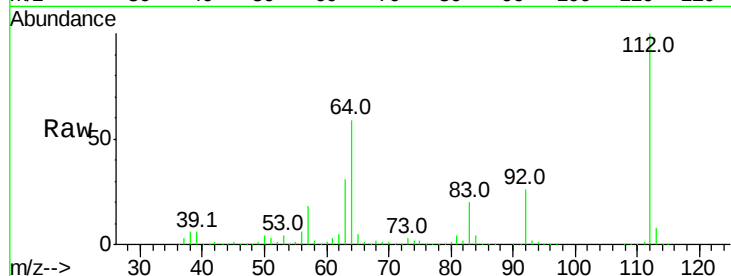




#5
 2-Fluorophenol
 Concen: 124.28 ng
 RT: 5.37 min Scan# 287
 Delta R.T. 0.02 min
 Lab File: BF091839.D
 Acq: 21 Dec 2016 17:55

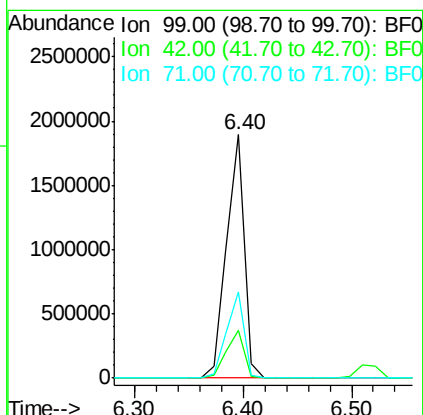
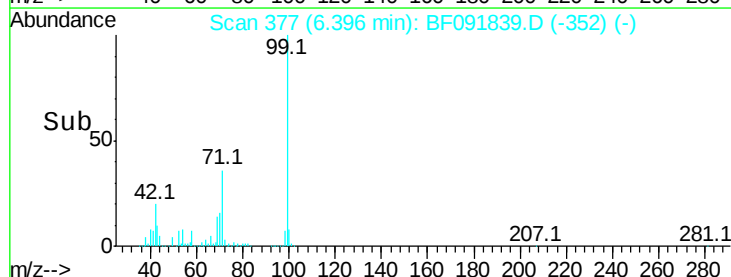
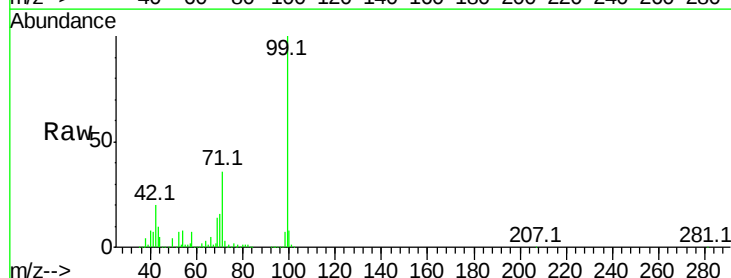
Instrument :
 BNA_F
 ClientSampleId :
 LOD-WATER-05-QT1-2017

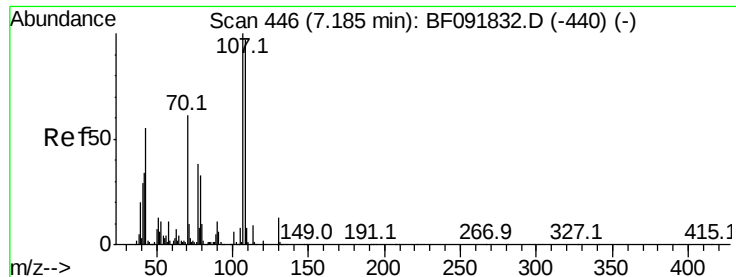
Tot Ion: 112 Resp: 1937193
 Ion Ratio Lower Upper
 112 100
 64 58.9 46.1 69.1
 63 30.6 23.8 35.6



#7
 Phenol-d6
 Concen: 112.52 ng
 RT: 6.40 min Scan# 377
 Delta R.T. -0.01 min
 Lab File: BF091839.D
 Acq: 21 Dec 2016 17:55

Tgt Ion: 99 Resp: 2141336
 Ion Ratio Lower Upper
 99 100
 42 19.8 15.6 23.4
 71 35.5 27.5 41.3





#19

n-Nitroso-di-n-propylamine

Concen: 1.98 ng

RT: 7.16 min Scan# 444

Delta R.T. -0.02 min

Lab File: BF091839.D

Acq: 21 Dec 2016 17:55

Instrument :

BNA_F

ClientSampleId :

LOD-WATER-05-QT1-2017

Tot Ion: 70 Resp: 25079

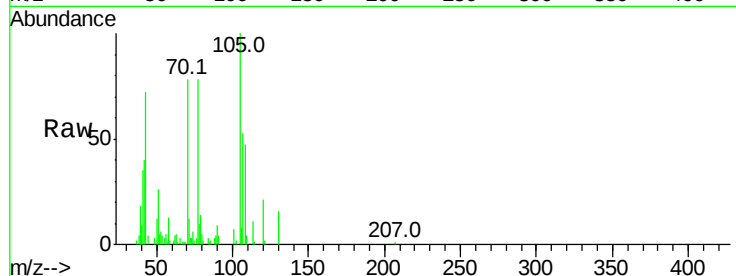
Ion Ratio Lower Upper

70 100

42 51.4 49.4 74.0

101 9.0 7.4 11.2

130 20.3 14.2 21.4

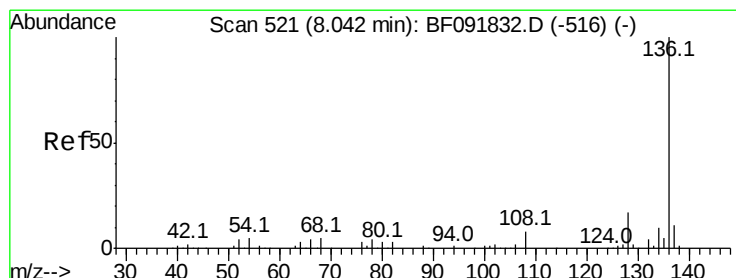
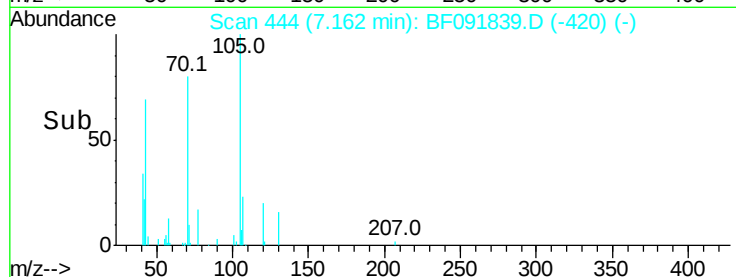
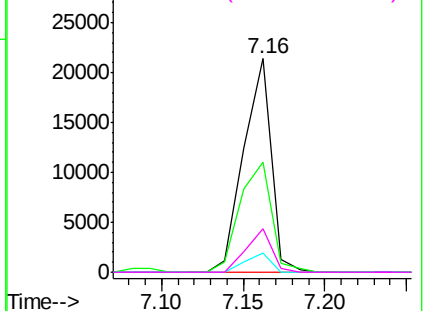


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 520

Delta R.T. -0.01 min

Lab File: BF091839.D

Acq: 21 Dec 2016 17:55

Tgt Ion: 136 Resp: 1104811

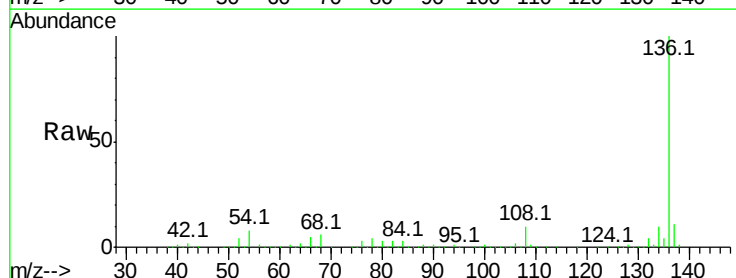
Ion Ratio Lower Upper

136 100

137 11.2 8.4 12.6

54 7.9 4.5 6.7#

68 6.3 3.6 5.4#

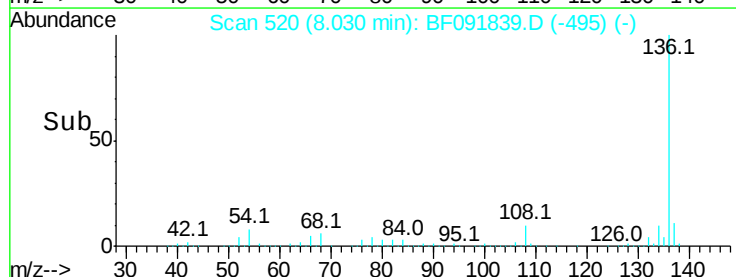
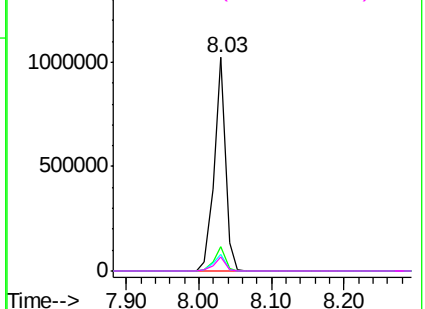


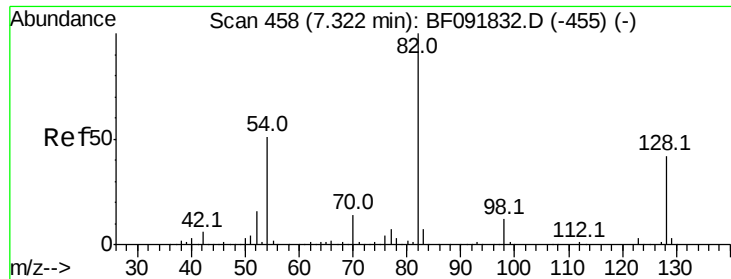
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

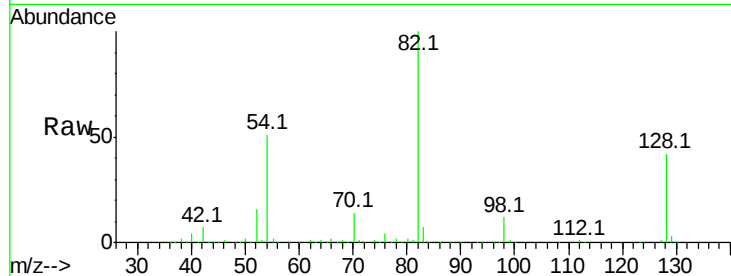




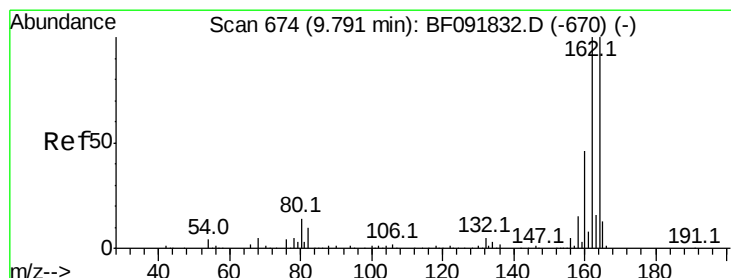
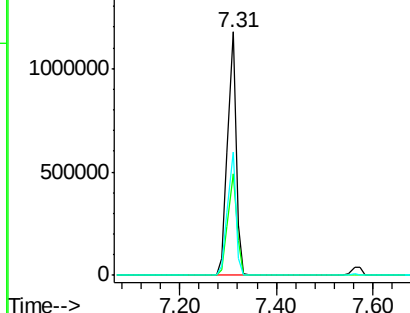
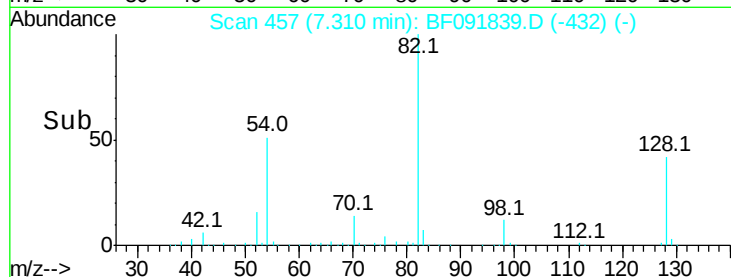
#23
 Nitrobenzene-d5
 Concen: 73.60 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.01 min
 Lab File: BF091839.D
 Acq: 21 Dec 2016 17:55

Instrument :
 BNA_F
 ClientSampleId :
 LOD-WATER-05-QT1-2017

Tot Ion: 82 Resp: 1462240
 Ion Ratio Lower Upper
 82 100
 128 41.7 34.6 52.0
 54 50.7 39.5 59.3

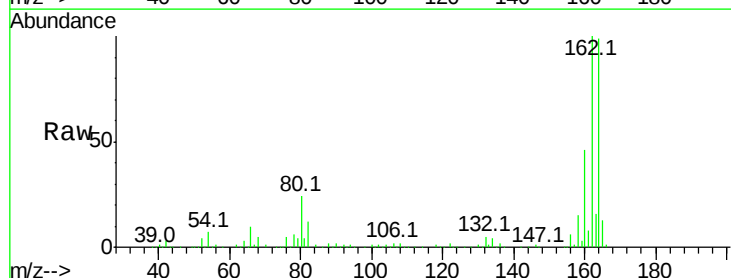


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

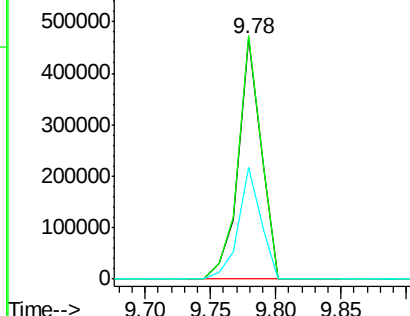
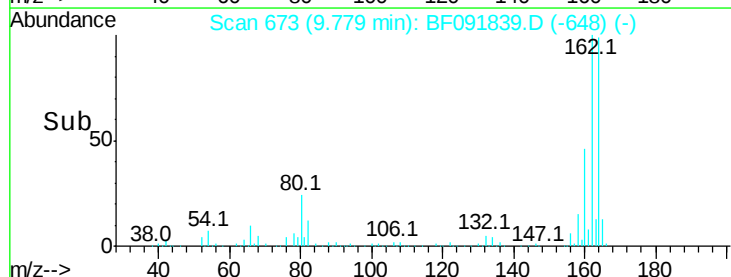


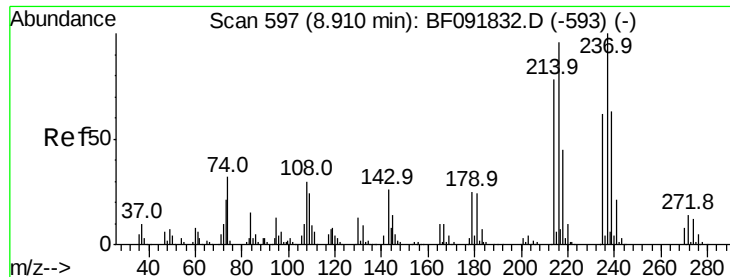
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.01 min
 Lab File: BF091839.D
 Acq: 21 Dec 2016 17:55

Tgt Ion:164 Resp: 567535
 Ion Ratio Lower Upper
 164 100
 162 101.1 80.2 120.2
 160 46.3 36.9 55.3



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

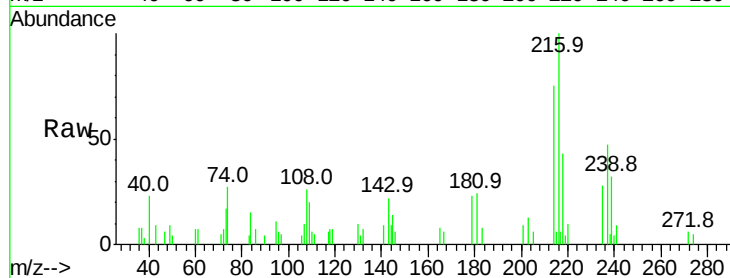




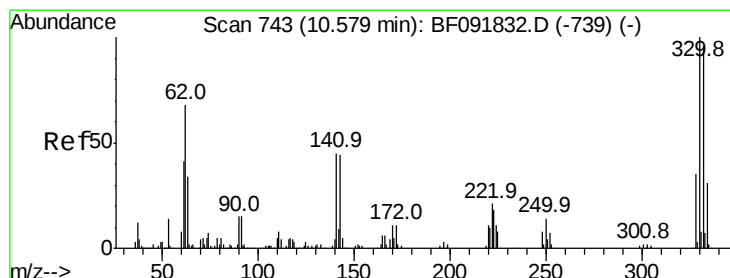
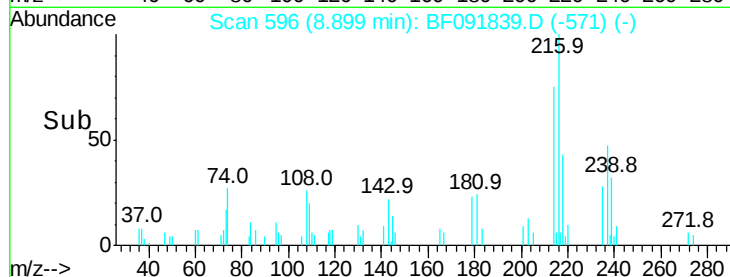
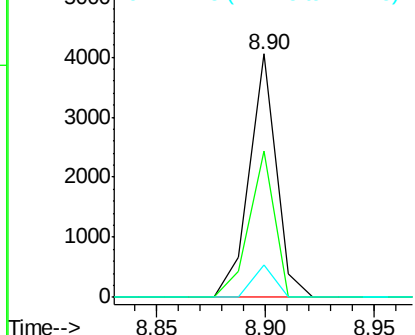
#40
Hexachlorocyclopentadiene
Concen: 4.50 ng
RT: 8.90 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF091839.D
Acq: 21 Dec 2016 17:55

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT1-2017

Tot Ion:237 Resp: 3504
Ion Ratio Lower Upper
237 100
235 60.2 41.2 81.2
272 13.3 0.0 35.4

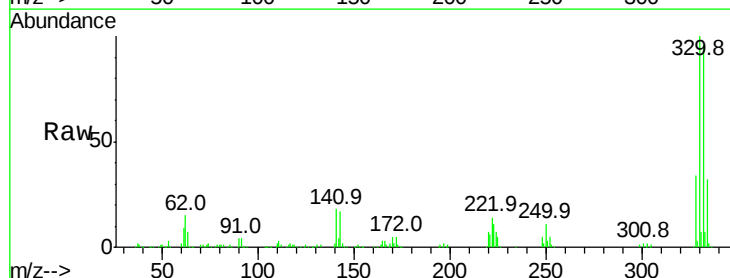


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

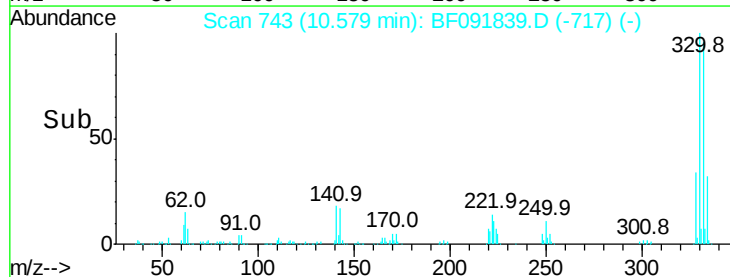
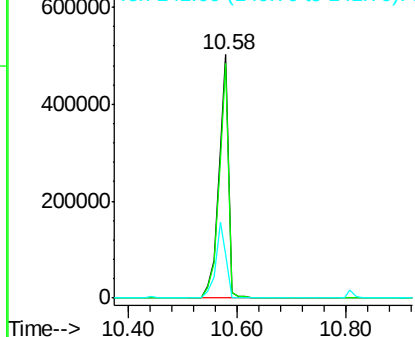


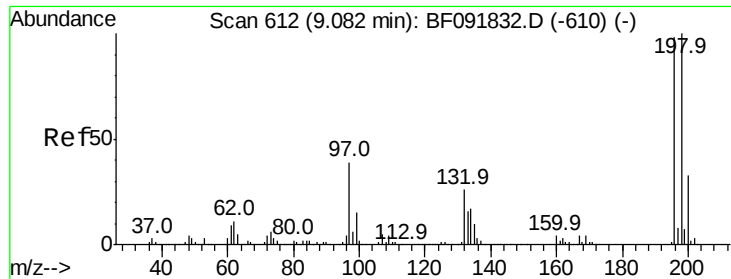
#41
2,4,6-Tribromophenol
Concen: 136.45 ng
RT: 10.58 min Scan# 743
Delta R.T. 0.00 min
Lab File: BF091839.D
Acq: 21 Dec 2016 17:55

Tgt Ion:330 Resp: 640885
Ion Ratio Lower Upper
330 100
332 95.1 77.4 116.2
141 33.4 34.1 51.1#



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

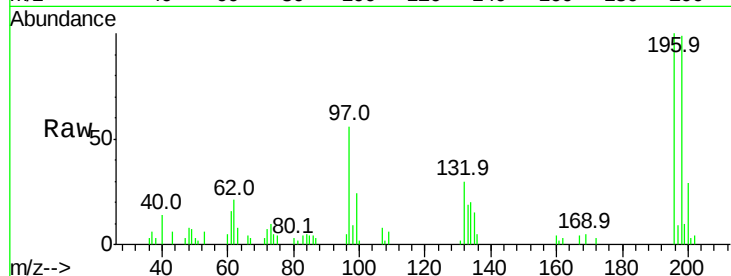




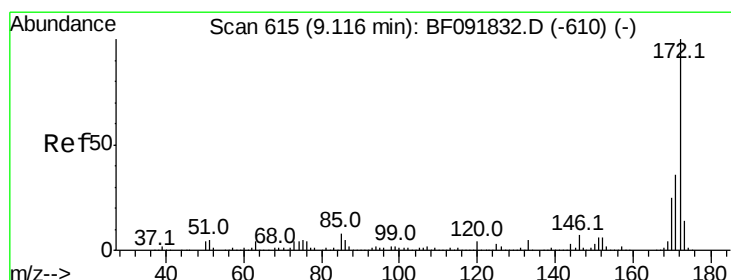
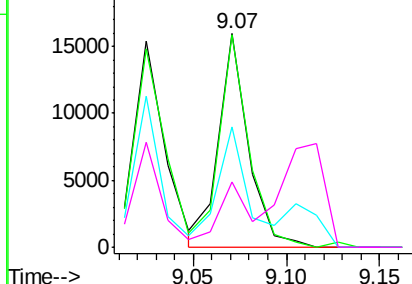
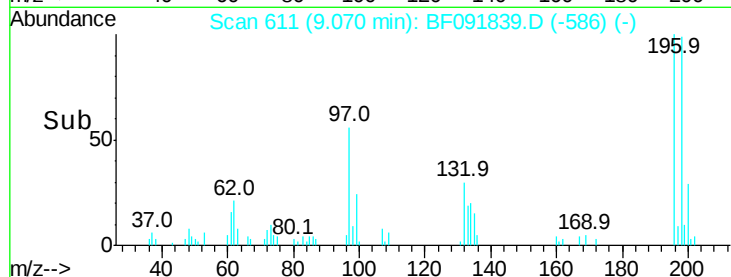
#43
 2,4,5-Trichlorophenol
 Concen: 1.72 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF091839.D
 Acq: 21 Dec 2016 17:55

Instrument :
 BNA_F
 ClientSampleId :
 LOD-WATER-05-QT1-2017

Tot Ion:196 Resp: 17794
 Ion Ratio Lower Upper
 196 100
 198 99.4 79.4 119.2
 97 56.2 51.5 77.3
 132 30.3 27.4 41.2

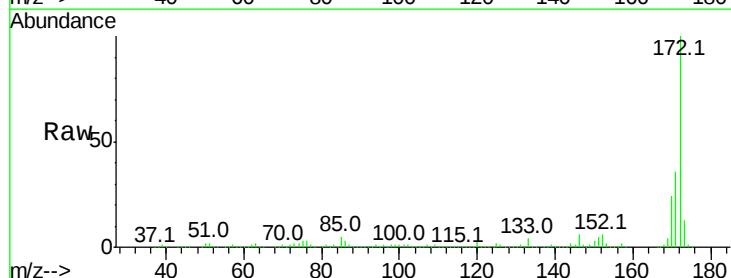


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

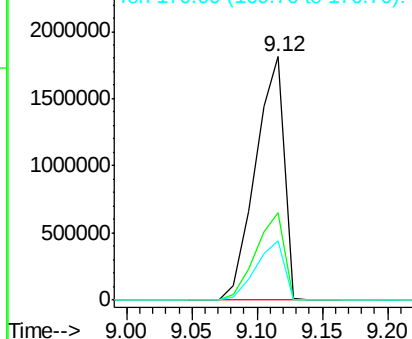
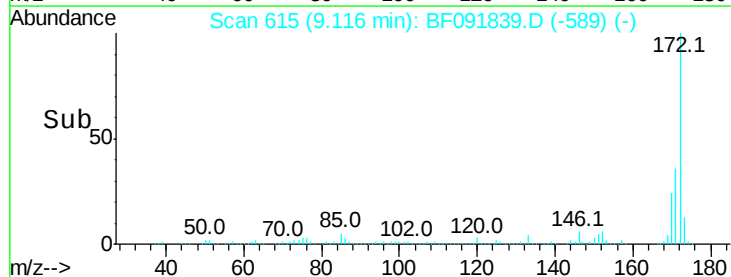


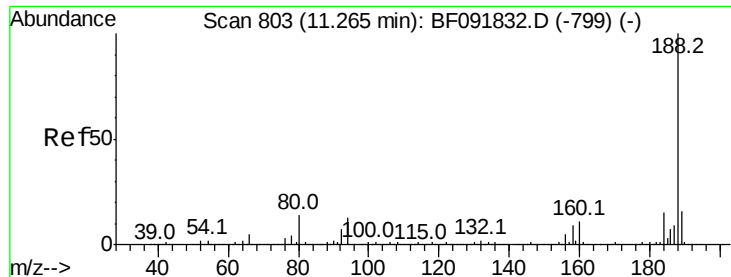
#44
 2-Fluorobiphenyl
 Concen: 102.93 ng
 RT: 9.12 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: BF091839.D
 Acq: 21 Dec 2016 17:55

Tgt Ion:172 Resp: 2775762
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.4 44.0
 170 24.3 20.2 30.4



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

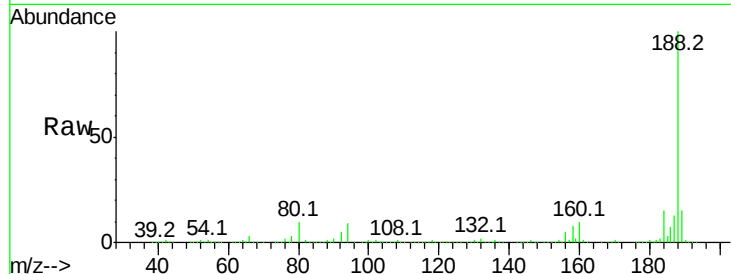




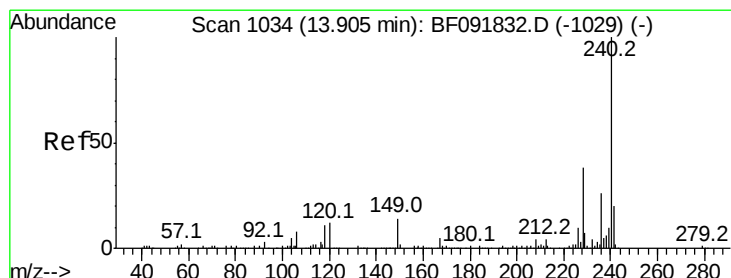
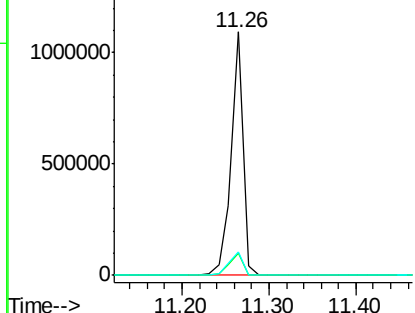
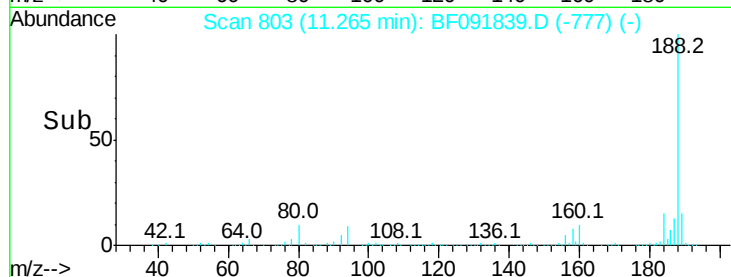
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF091839.D
Acq: 21 Dec 2016 17:55

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT1-2017

Tot Ion:188 Resp: 1040160
Ion Ratio Lower Upper
188 100
94 9.1 10.0 15.0#
80 9.8 11.2 16.8#

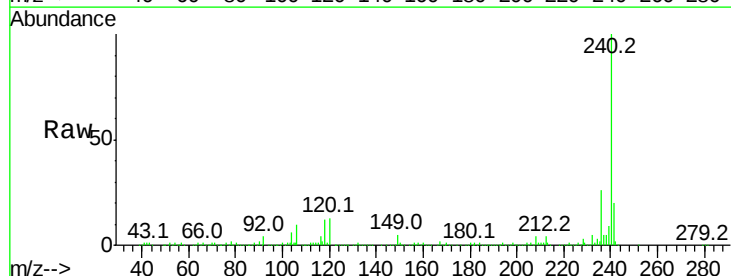


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

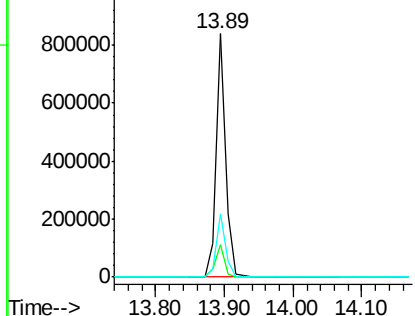
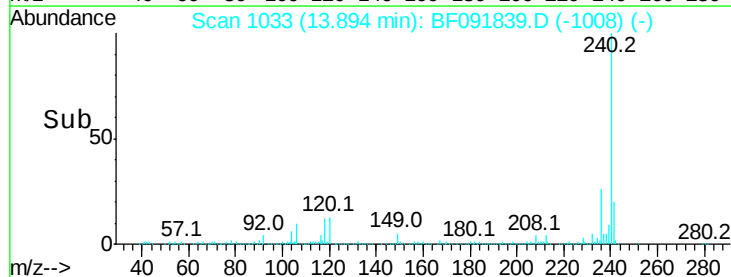


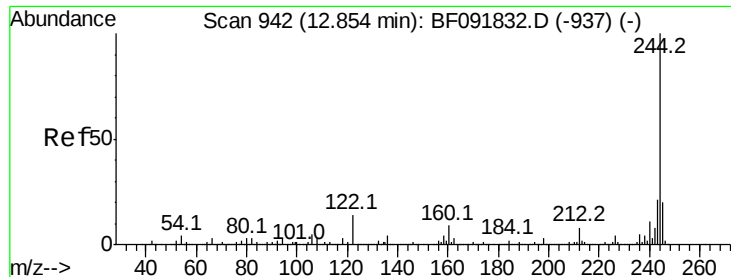
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.89 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF091839.D
Acq: 21 Dec 2016 17:55

Tgt Ion:240 Resp: 822293
Ion Ratio Lower Upper
240 100
120 13.3 12.9 19.3
236 26.1 20.9 31.3



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: 66.85 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF091839.D

Acq: 21 Dec 2016 17:55

Instrument :

BNA_F

ClientSampleId :

LOD-WATER-05-QT1-2017

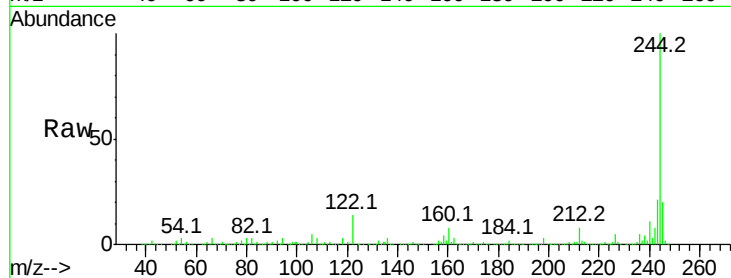
Tot Ion:244 Resp: 2266676

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

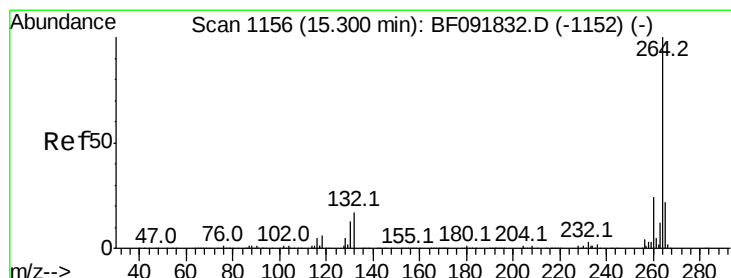
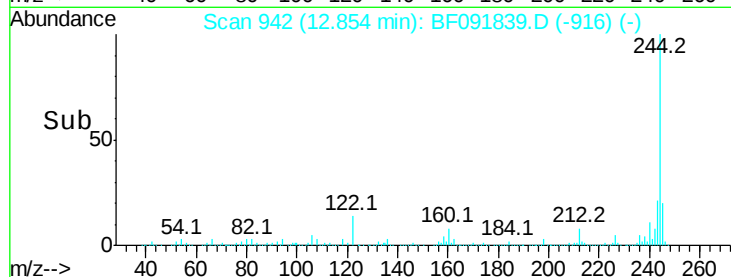
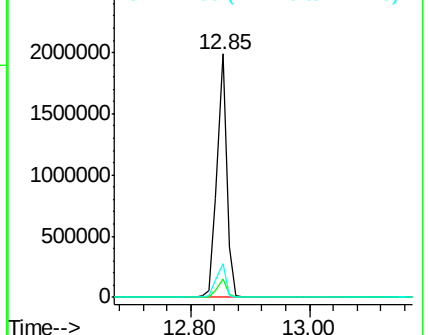
122 13.6 11.4 17.2



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. -0.01 min

Lab File: BF091839.D

Acq: 21 Dec 2016 17:55

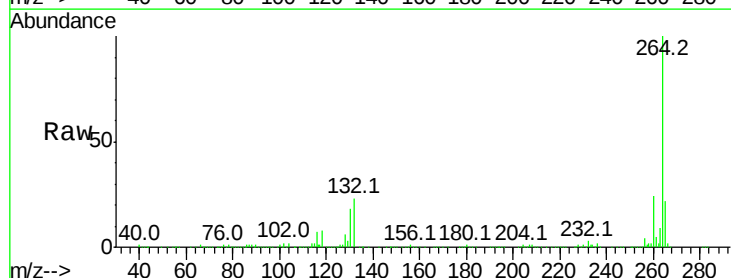
Tgt Ion:264 Resp: 726609

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 21.6 17.4 26.0



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

