

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032217\
 Data File : BF093847.D
 Acq On : 22 Mar 2017 22:08
 Operator : SJ/MA
 Sample : I2296-05
 Misc : LOD 5 PPB
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-WATER-05-QT2-2017

Quant Time: Mar 23 14:01:31 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 23 02:02:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.99	152	182852	20.00	ng	0.00
21) Naphthalene-d8	7.49	136	745605	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	339648	20.00	ng	0.00
63) Phenanthrene-d10	11.46	188	590850	20.00	ng	0.00
75) Chrysene-d12	14.71	240	509832	20.00	ng	0.00
86) Perylene-d12	16.34	264	406677	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.50	112	1485129	137.18	ng	0.00
7) Phenol-d6	5.57	99	1819151	135.83	ng	0.00
23) Nitrobenzene-d5	6.64	82	1261999	96.59	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	383444	142.87	ng	0.00
44) 2-Fluorobiphenyl	8.82	172	2150708	96.58	ng	0.00
78) Terphenyl-d14	13.44	244	1809083	79.54	ng	0.00

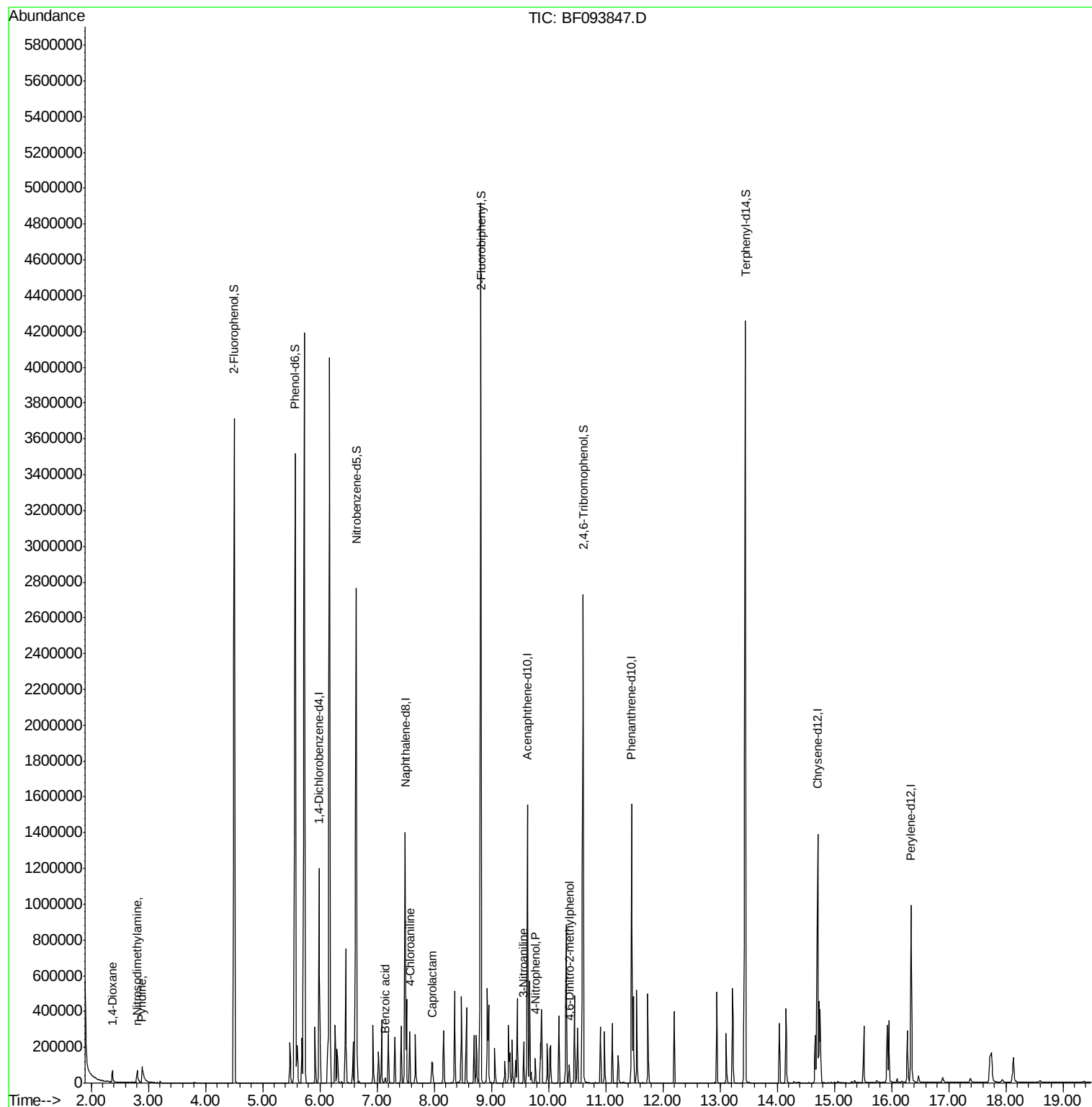
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.37	88	29931	5.75	ng	96
3) Pyridine	2.89	79	78800	5.56	ng	98
4) n-Nitrosodimethylamine	2.80	42	31089	5.33	ng	90
32) Benzoic acid	7.15	122	10426	1.48	ng	97
33) 4-Chloroaniline	7.57	127	81529m	5.61	ng	
35) Caprolactam	7.96	113	16701	5.29	ng	94
52) 3-Nitroaniline	9.57	138	34027	5.24	ng	92
55) 4-Nitrophenol	9.77	139	24216	4.76	ng	# 73
64) 4,6-Dinitro-2-methylphenol	10.36	198	12453	3.44	ng	78

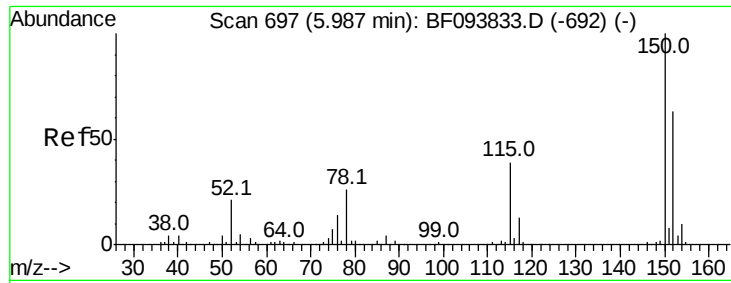
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032217\
Data File : BF093847.D
Acq On : 22 Mar 2017 22:08
Operator : SJ/MA
Sample : I2296-05
Misc : LOD 5 PPB
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT2-2017

Quant Time: Mar 23 14:01:31 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 23 02:02:22 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.99 min Scan# 697

Delta R.T. 0.00 min

Lab File: BF093847.D

Acq: 22 Mar 2017 22:08

Instrument :

BNA_F

ClientSampleId :

LOD-WATER-05-QT2-2017

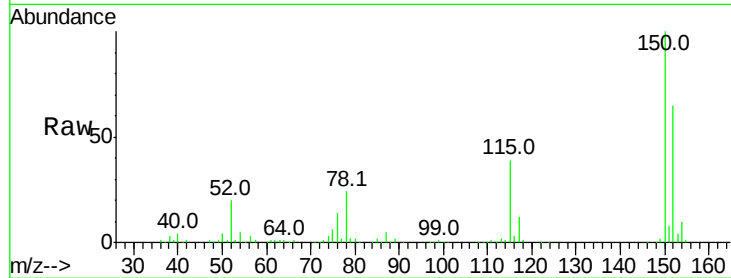
Tot Ion:152 Resp: 182852

Ion Ratio Lower Upper

152 100

150 154.1 126.2 189.2

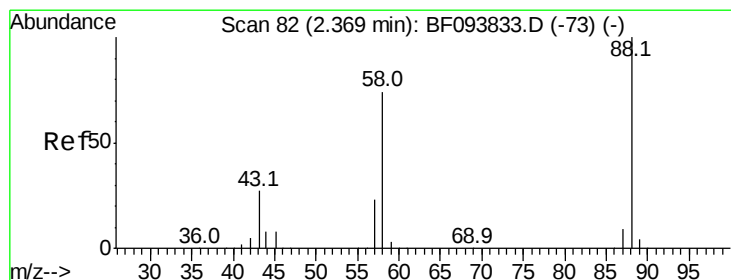
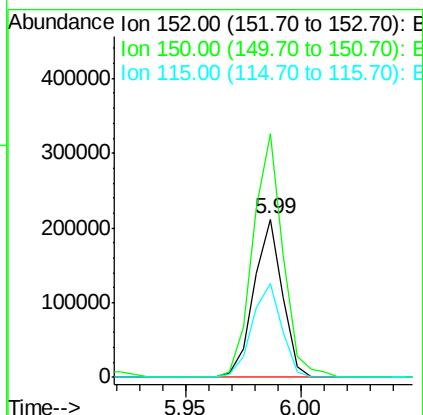
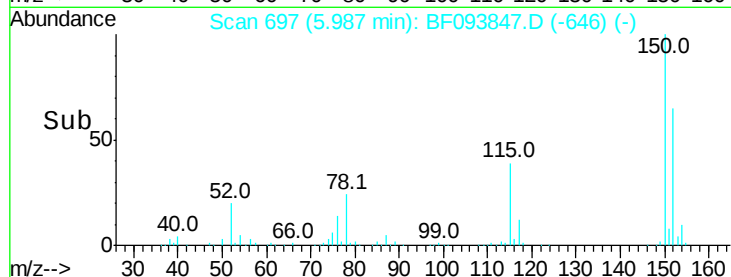
115 59.6 52.2 78.2



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: 5.75 ng

RT: 2.37 min Scan# 82

Delta R.T. 0.00 min

Lab File: BF093847.D

Acq: 22 Mar 2017 22:08

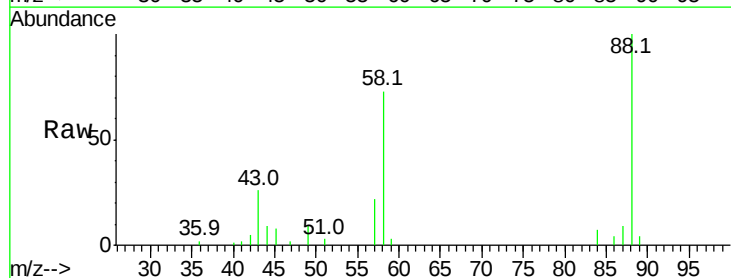
Tgt Ion: 88 Resp: 29931

Ion Ratio Lower Upper

88 100

58 72.9 61.4 92.0

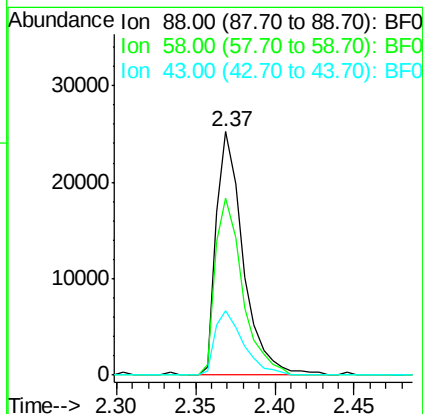
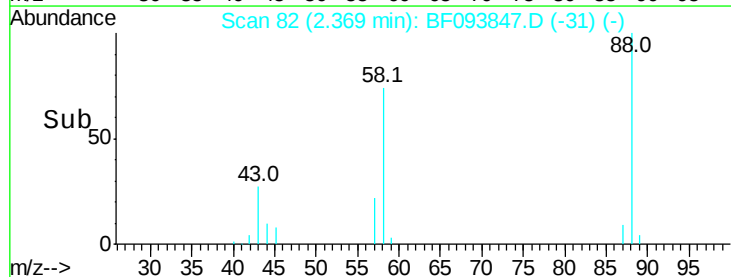
43 27.9 23.4 35.0

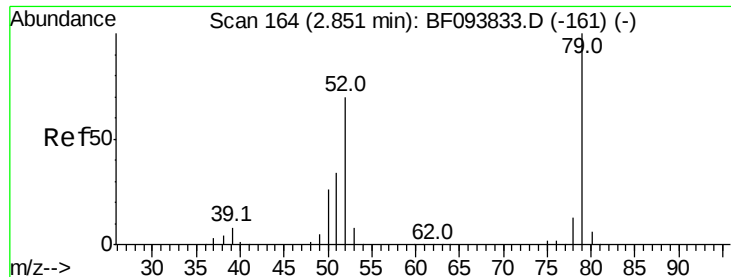


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 5.56 ng

RT: 2.89 min Scan# 171

Delta R.T. 0.04 min

Lab File: BF093847.D

Acq: 22 Mar 2017 22:08

Instrument :

BNA_F

ClientSampleId :

LOD-WATER-05-QT2-2017

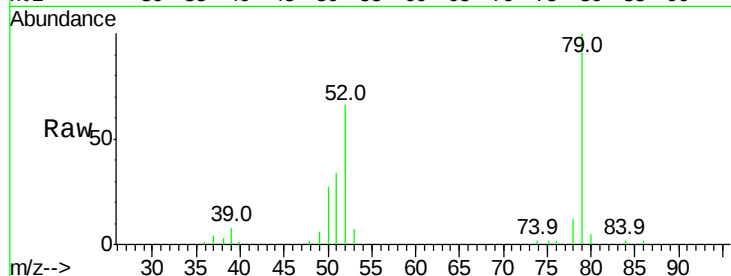
Tot Ion: 79 Resp: 78800

Ion Ratio Lower Upper

79 100

52 66.5 54.8 82.2

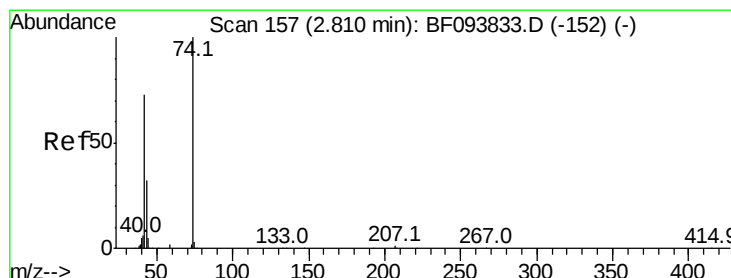
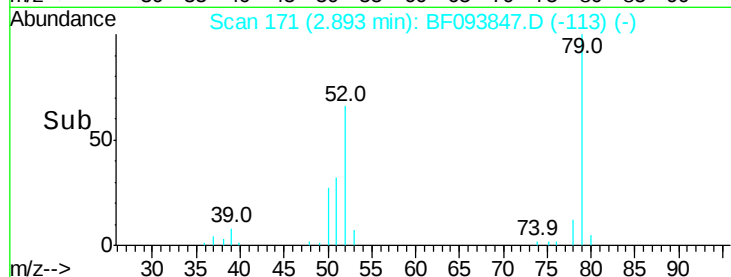
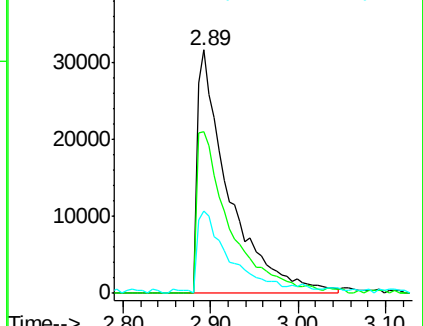
51 33.6 27.0 40.4



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: 5.33 ng

RT: 2.80 min Scan# 156

Delta R.T. -0.01 min

Lab File: BF093847.D

Acq: 22 Mar 2017 22:08

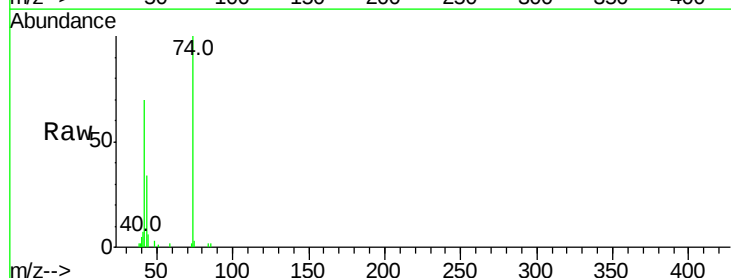
Tgt Ion: 42 Resp: 31089

Ion Ratio Lower Upper

42 100

74 142.2 103.9 155.9

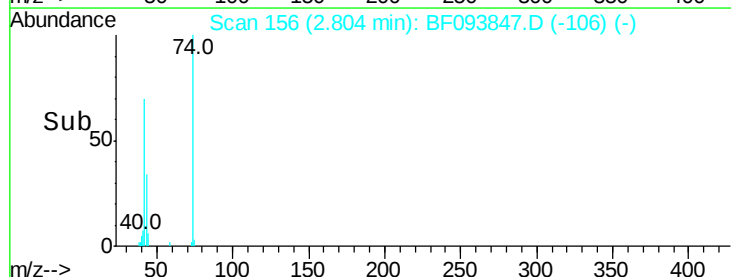
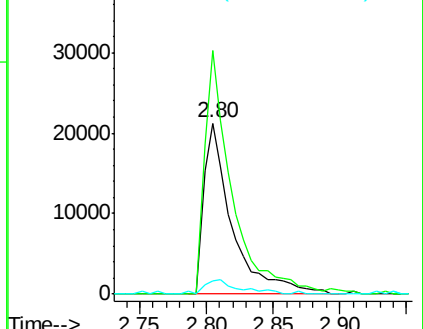
44 8.0 5.7 8.5

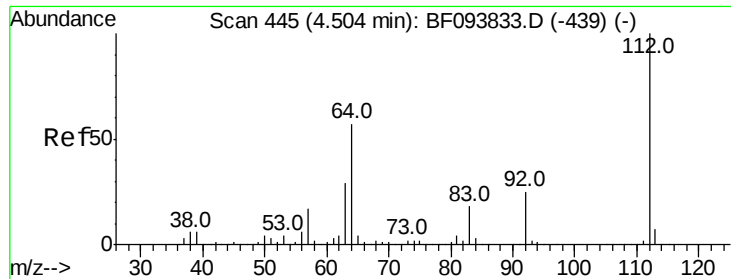


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 137.18 ng

RT: 4.50 min Scan# 445

Delta R.T. 0.00 min

Lab File: BF093847.D

Acq: 22 Mar 2017 22:08

Instrument :

BNA_F

ClientSampleId :

LOD-WATER-05-QT2-2017

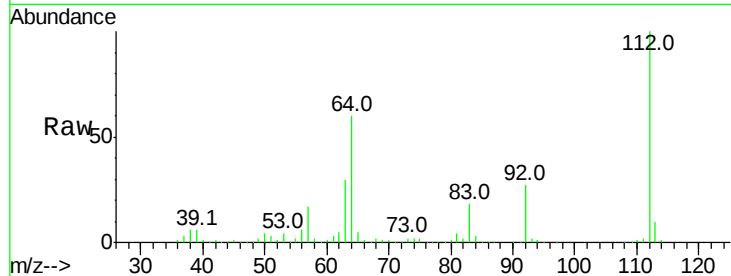
Tot Ion:112 Resp: 1485129

Ion Ratio Lower Upper

112 100

64 60.0 46.0 69.0

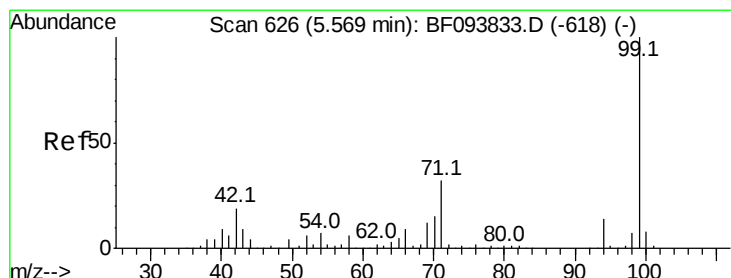
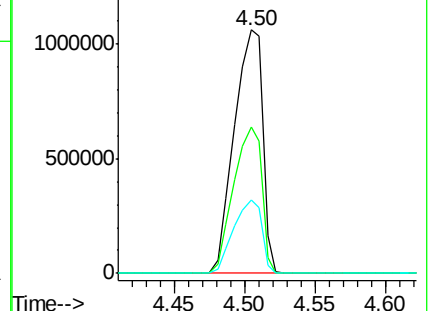
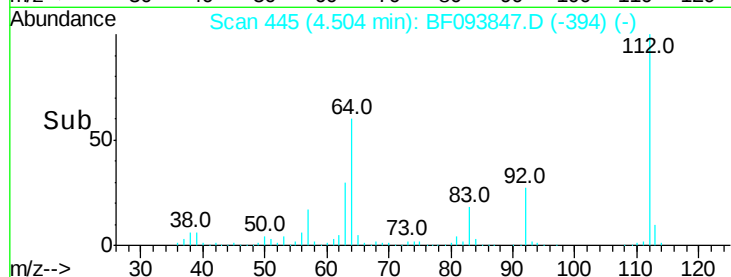
63 30.1 23.4 35.0



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: 135.83 ng

RT: 5.57 min Scan# 627

Delta R.T. 0.01 min

Lab File: BF093847.D

Acq: 22 Mar 2017 22:08

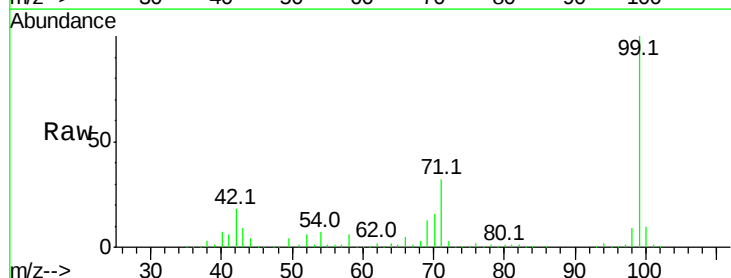
Tgt Ion: 99 Resp: 1819151

Ion Ratio Lower Upper

99 100

42 17.7 13.5 20.3

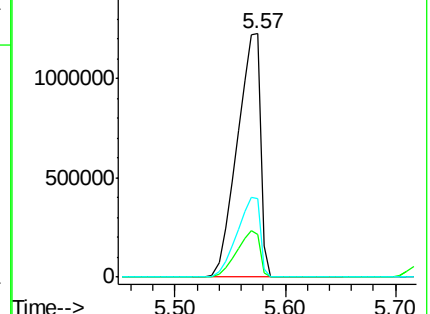
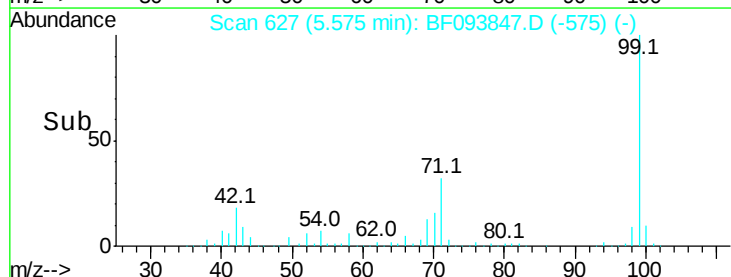
71 32.2 24.5 36.7

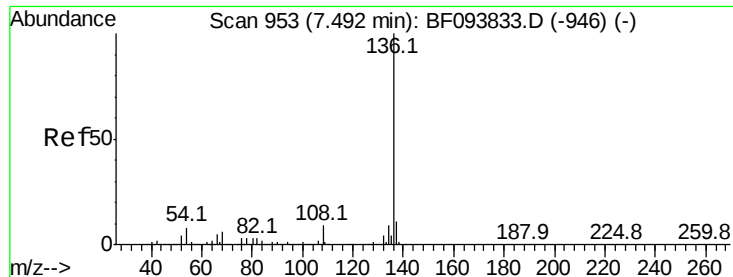


Abundance Ion 99.00 (98.70 to 99.70): BF0

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: 7.49 min Scan# 953

Delta R.T. 0.00 min

Lab File: BF093847.D

Acq: 22 Mar 2017 22:08

Instrument :

BNA_F

ClientSampleId :

LOD-WATER-05-QT2-2017

Tot Ion:136 Resp: 745605

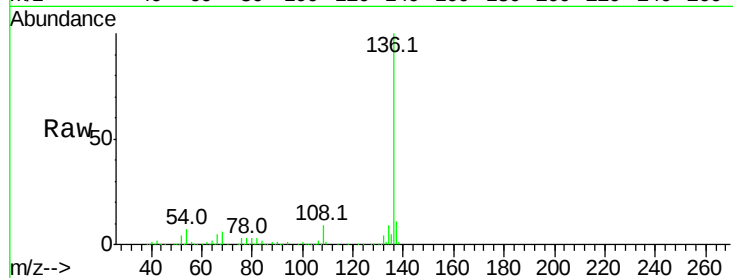
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 7.4 4.9 7.3#

68 5.8 4.1 6.1

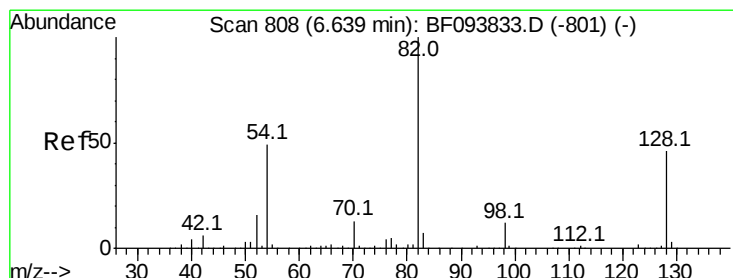
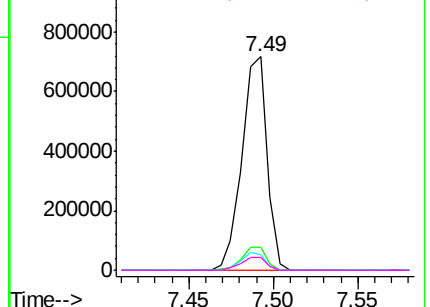
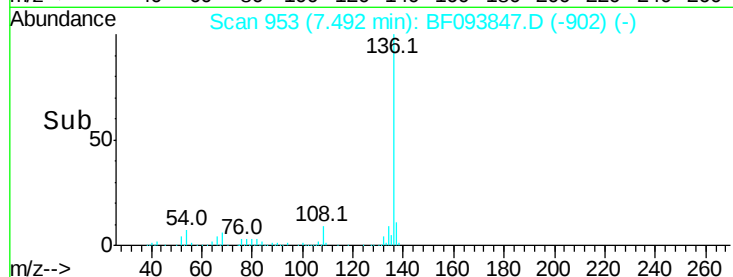


Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.59 ng

RT: 6.64 min Scan# 808

Delta R.T. 0.00 min

Lab File: BF093847.D

Acq: 22 Mar 2017 22:08

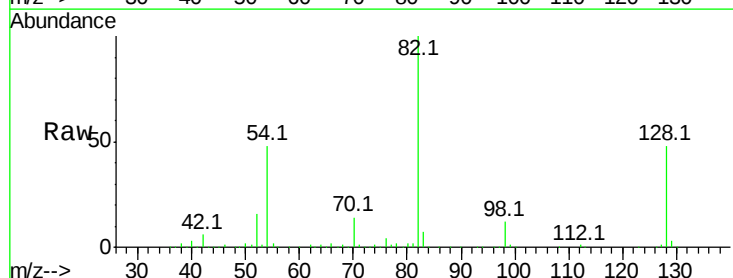
Tgt Ion: 82 Resp: 1261999

Ion Ratio Lower Upper

82 100

128 48.3 34.0 51.0

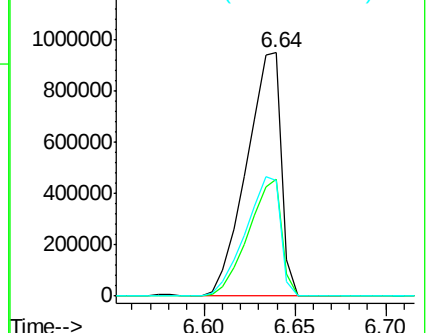
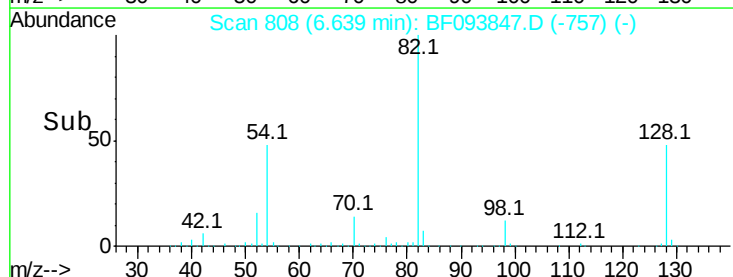
54 47.7 42.2 63.2

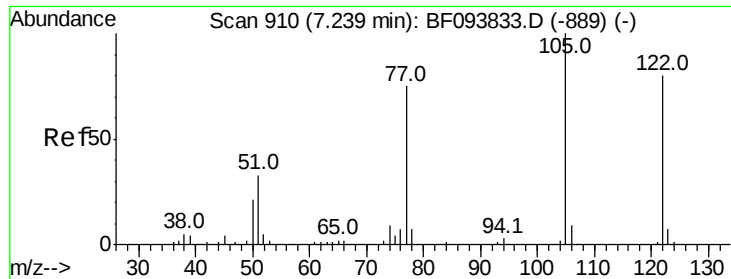


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#32

Benzoic acid

Concen: 1.48 ng

RT: 7.15 min Scan# 895

Delta R.T. -0.09 min

Lab File: BF093847.D

Acq: 22 Mar 2017 22:08

Instrument :

BNA_F

ClientSampleId :

LOD-WATER-05-QT2-2017

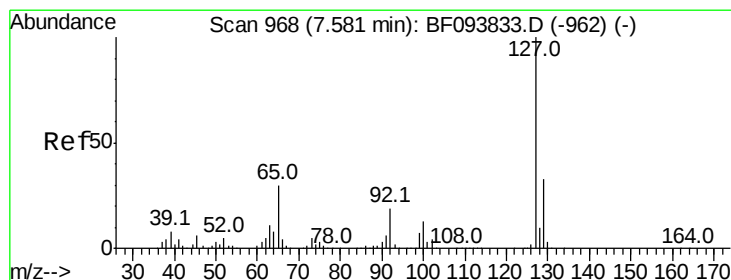
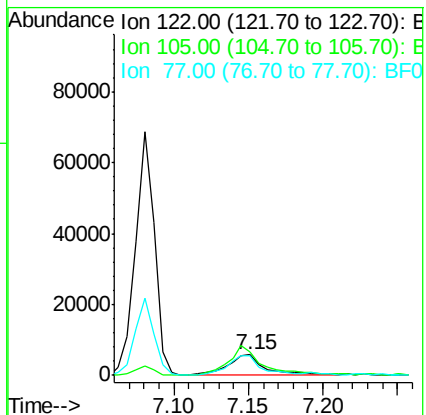
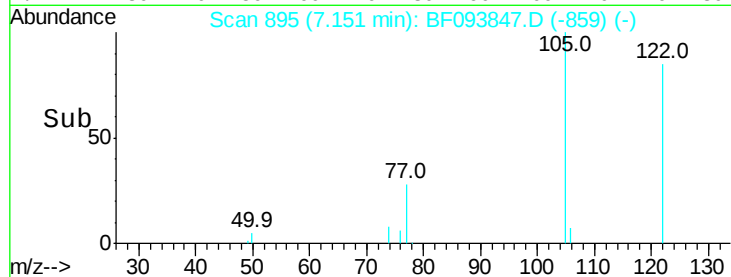
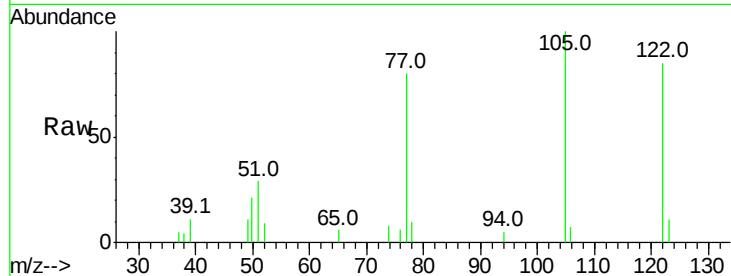
Tot Ion:122 Resp: 10426

Ion Ratio Lower Upper

122 100

105 118.0 103.3 143.3

77 94.3 73.7 113.7



#33

4-Chloroaniline

Concen: 5.61 ng m

RT: 7.57 min Scan# 967

Delta R.T. -0.01 min

Lab File: BF093847.D

Acq: 22 Mar 2017 22:08

Tgt Ion:127 Resp: 81529

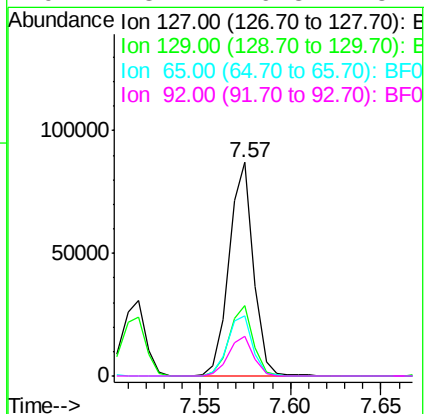
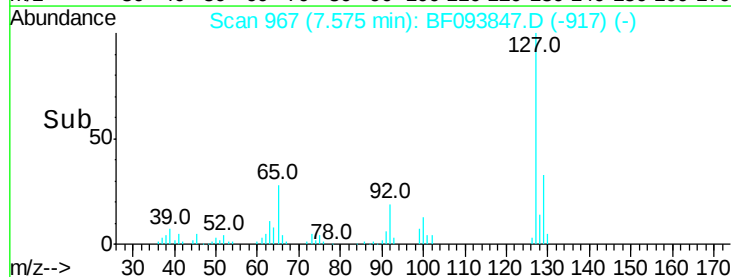
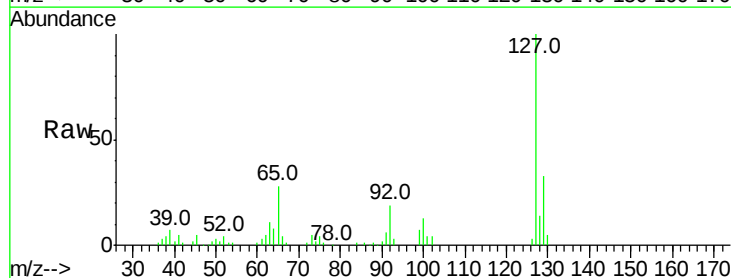
Ion Ratio Lower Upper

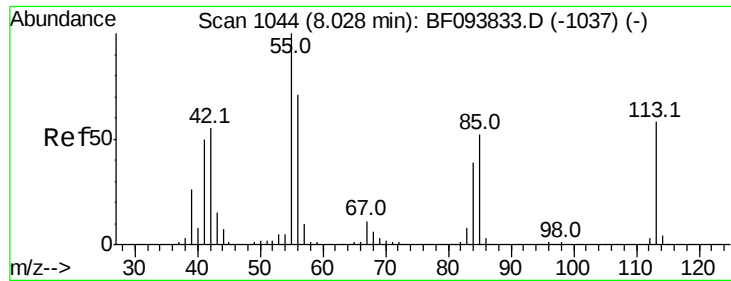
127 100

129 33.0 26.2 39.2

65 28.3 27.8 41.8

92 18.7 16.8 25.2

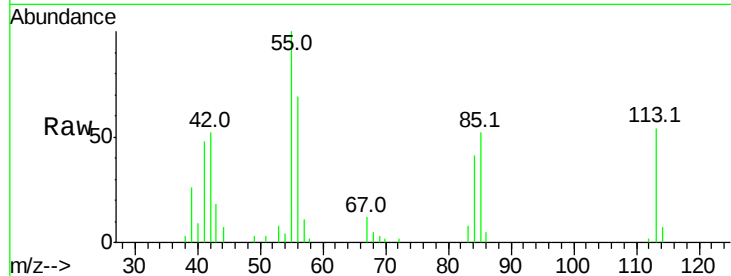




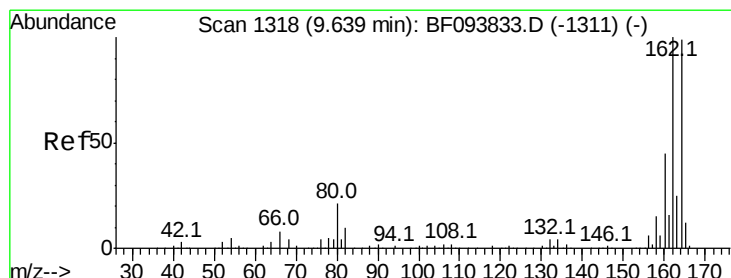
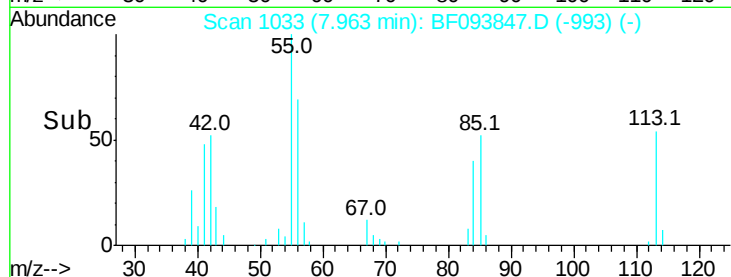
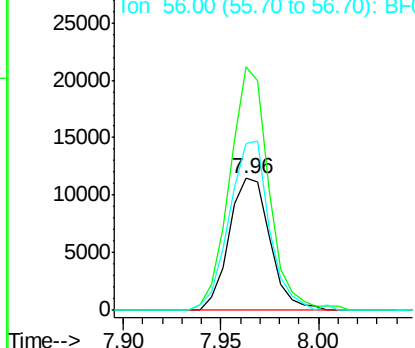
#35
 Caprolactam
 Concen: 5.29 ng
 RT: 7.96 min Scan# 1033
 Delta R.T. -0.06 min
 Lab File: BF093847.D
 Acq: 22 Mar 2017 22:08

Instrument :
 BNA_F
 ClientSampleId :
 LOD-WATER-05-QT2-2017

Tot Ion:113 Resp: 16701
 Ion Ratio Lower Upper
 113 100
 55 184.2 150.2 190.2
 56 126.4 107.8 147.8

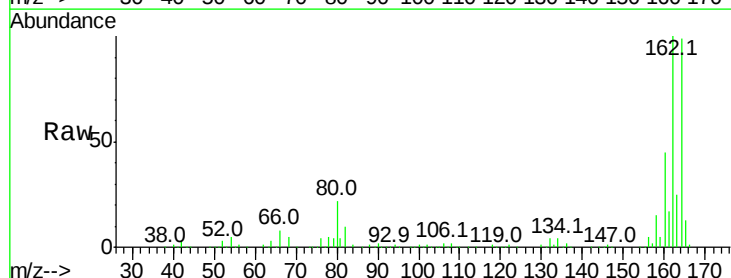


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

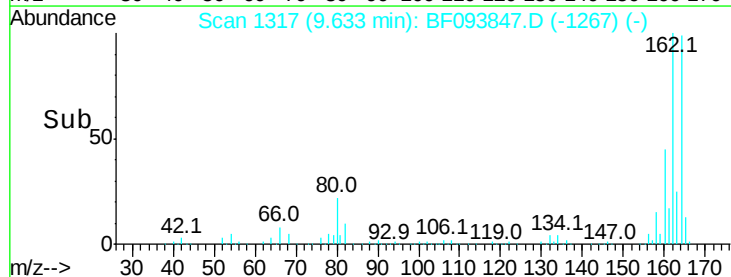
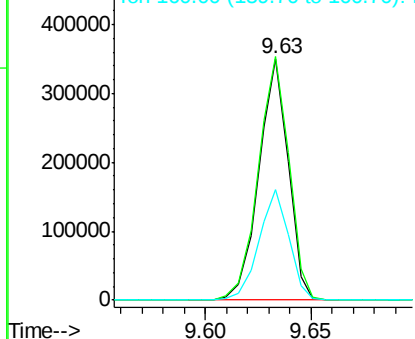


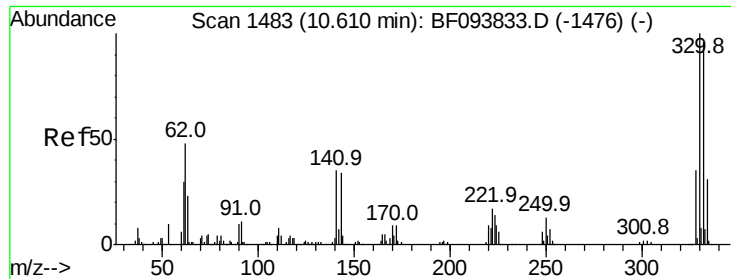
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.63 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: BF093847.D
 Acq: 22 Mar 2017 22:08

Tgt Ion:164 Resp: 339648
 Ion Ratio Lower Upper
 164 100
 162 100.9 82.6 123.8
 160 45.6 36.2 54.2



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

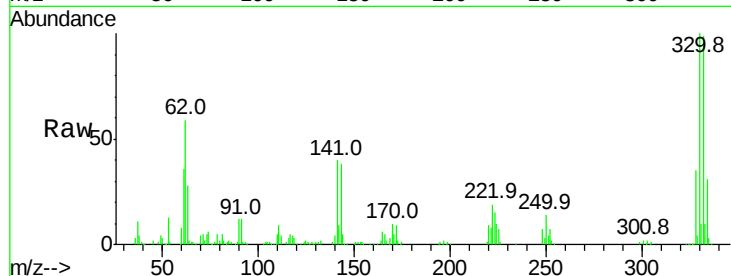




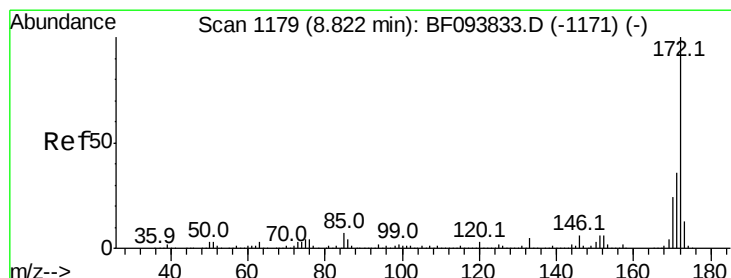
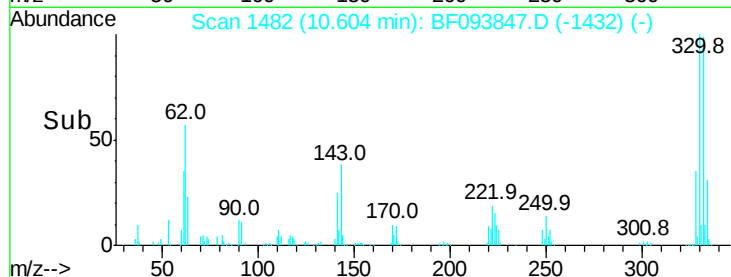
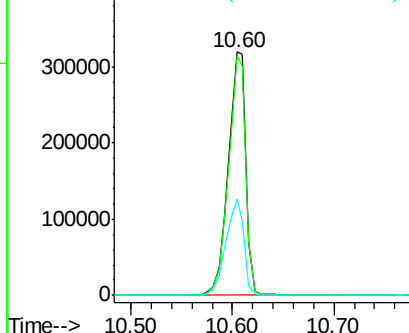
#41
 2,4,6-Tribromophenol
 Concen: 142.87 ng
 RT: 10.60 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF093847.D
 Acq: 22 Mar 2017 22:08

Instrument :
 BNA_F
 ClientSampleId :
 LOD-WATER-05-QT2-2017

Tot Ion:330 Resp: 383444
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.6 115.0
 141 40.5 31.4 47.2

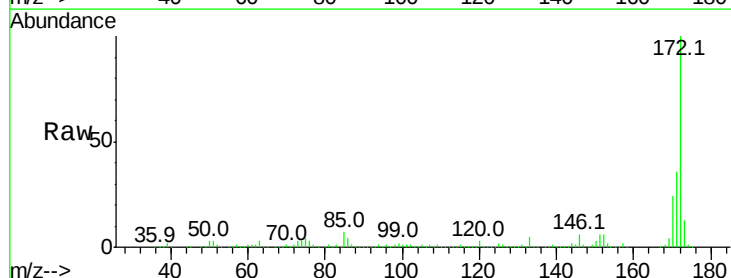


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

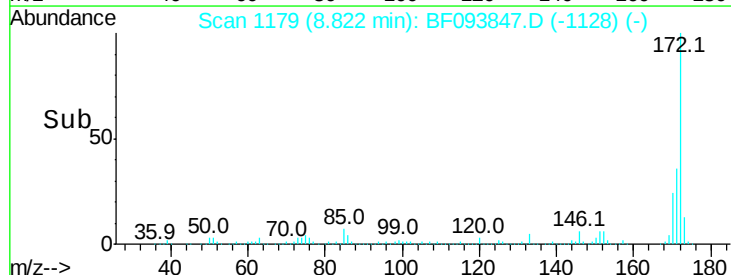
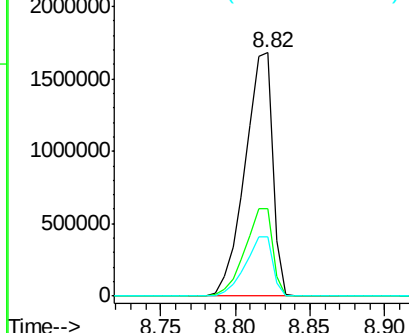


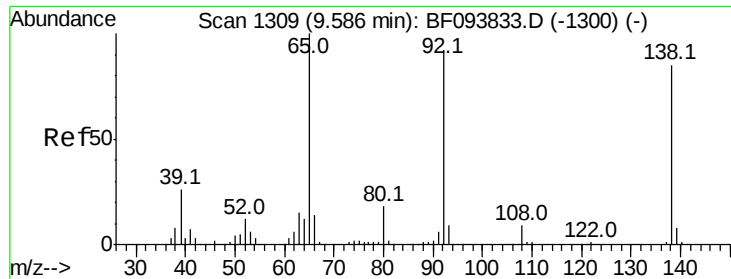
#44
 2-Fluorobiphenyl
 Concen: 96.58 ng
 RT: 8.82 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: BF093847.D
 Acq: 22 Mar 2017 22:08

Tgt Ion:172 Resp: 2150708
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.6 44.4
 170 24.4 19.8 29.8



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

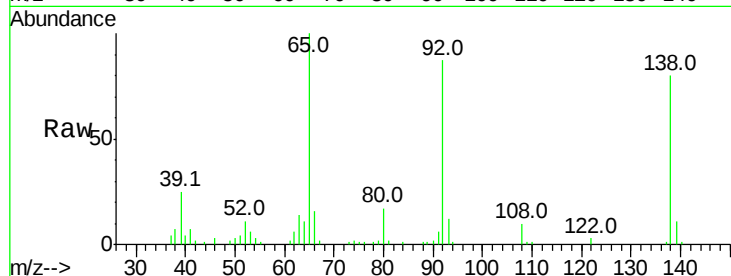




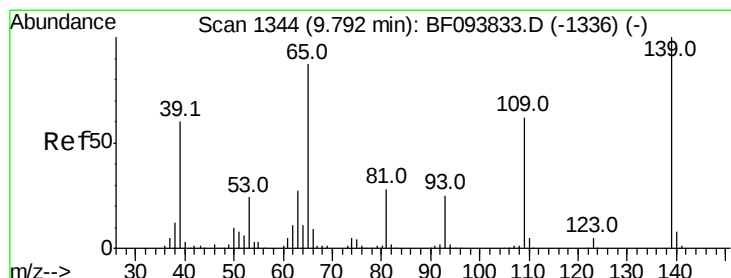
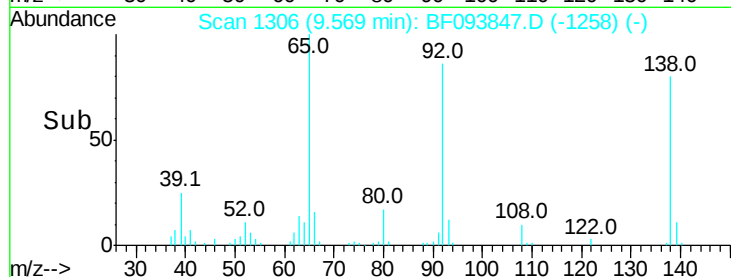
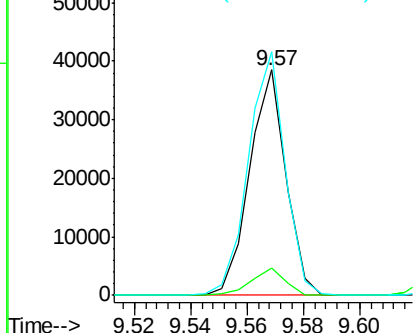
#52
 3-Nitroaniline
 Concen: 5.24 ng
 RT: 9.57 min Scan# 1306
 Delta R.T. -0.02 min
 Lab File: BF093847.D
 Acq: 22 Mar 2017 22:08

Instrument :
 BNA_F
 ClientSampleId :
 LOD-WATER-05-QT2-2017

Tot Ion:138 Resp: 34027
 Ion Ratio Lower Upper
 138 100
 108 12.1 9.1 13.7
 92 108.1 93.8 140.6

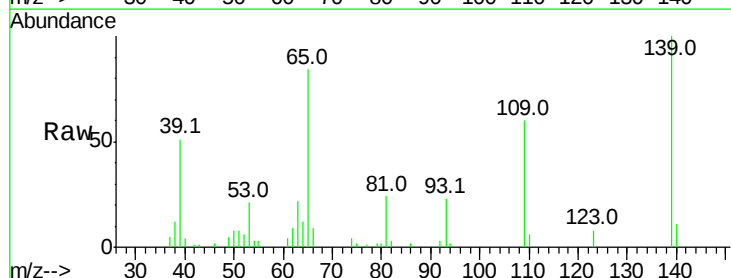


Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BF0

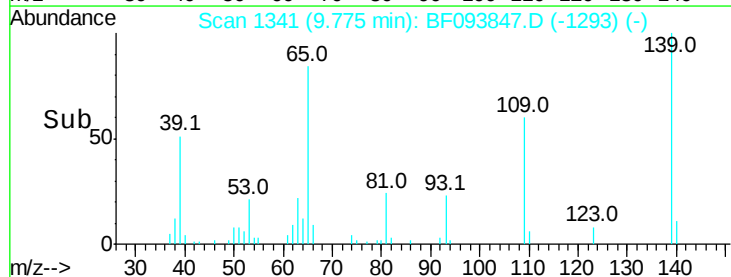
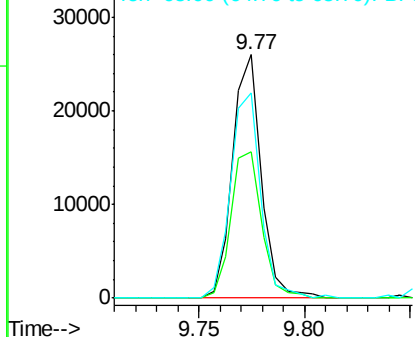


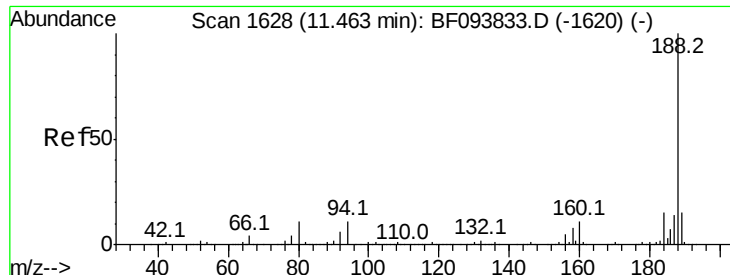
#55
 4-Nitrophenol
 Concen: 4.76 ng
 RT: 9.77 min Scan# 1341
 Delta R.T. -0.02 min
 Lab File: BF093847.D
 Acq: 22 Mar 2017 22:08

Tgt Ion:139 Resp: 24216
 Ion Ratio Lower Upper
 139 100
 109 60.0 34.1 74.1
 65 84.2 31.4 71.4#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.46 min Scan# 1627

Delta R.T. -0.01 min

Lab File: BF093847.D

Acq: 22 Mar 2017 22:08

Instrument :

BNA_F

ClientSampleId :

LOD-WATER-05-QT2-2017

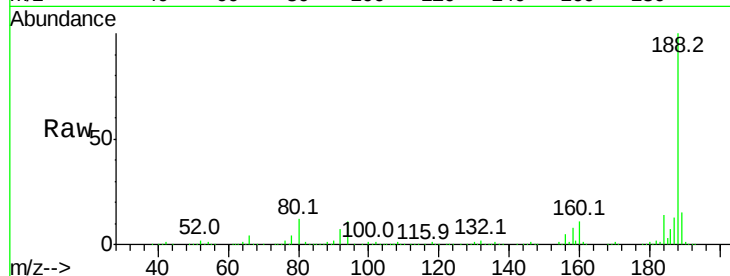
Tot Ion:188 Resp: 590850

Ion Ratio Lower Upper

188 100

94 11.4 9.4 14.2

80 12.3 10.2 15.2



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

800000

600000

400000

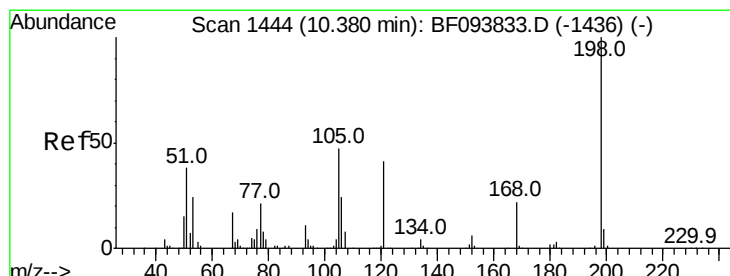
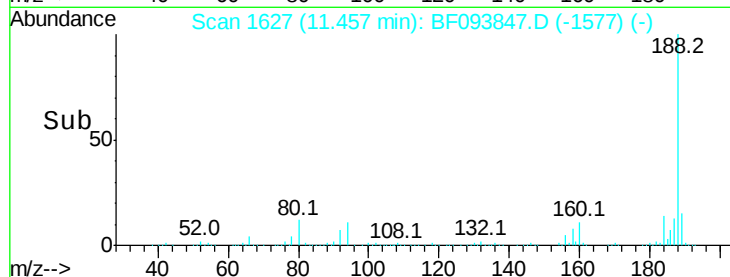
200000

0

11.46

11.40 11.45 11.50

Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 3.44 ng

RT: 10.36 min Scan# 1441

Delta R.T. -0.02 min

Lab File: BF093847.D

Acq: 22 Mar 2017 22:08

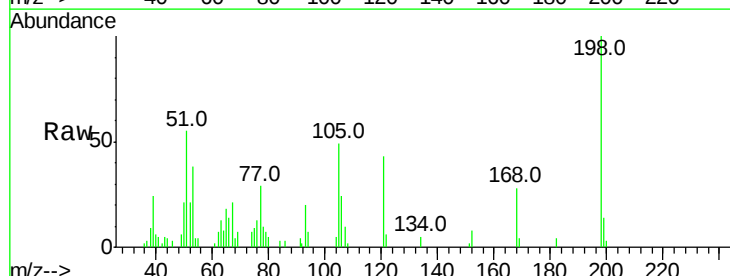
Tgt Ion:198 Resp: 12453

Ion Ratio Lower Upper

198 100

51 54.8 53.2 93.2

105 48.7 45.8 85.8



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

25000

20000

15000

10000

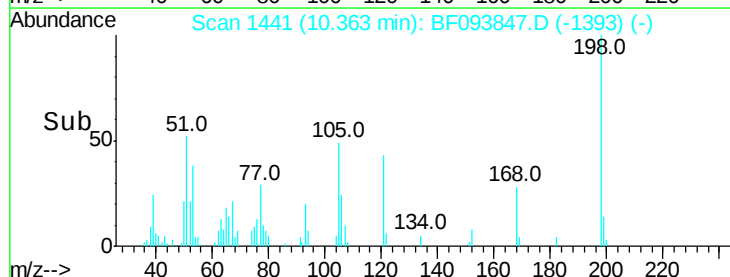
5000

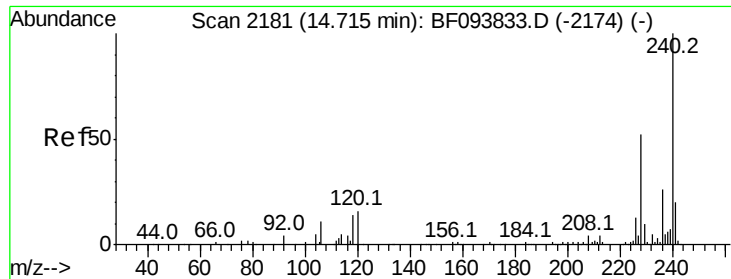
0

10.36

10.35 10.40

Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.71 min Scan# 2180

Delta R.T. -0.01 min

Lab File: BF093847.D

Acq: 22 Mar 2017 22:08

Instrument :

BNA_F

ClientSampleId :

LOD-WATER-05-QT2-2017

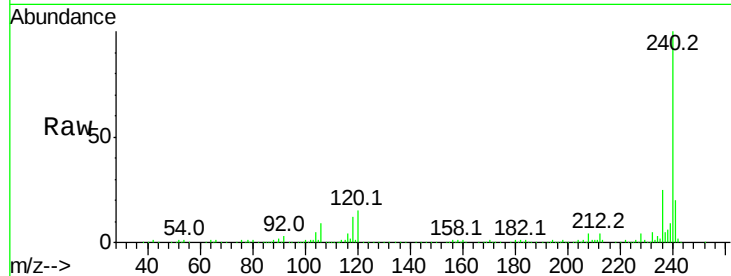
Tot Ion:240 Resp: 509832

Ion Ratio Lower Upper

240 100

120 14.7 5.8 8.8#

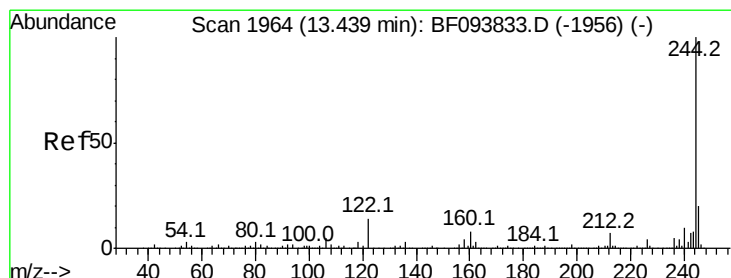
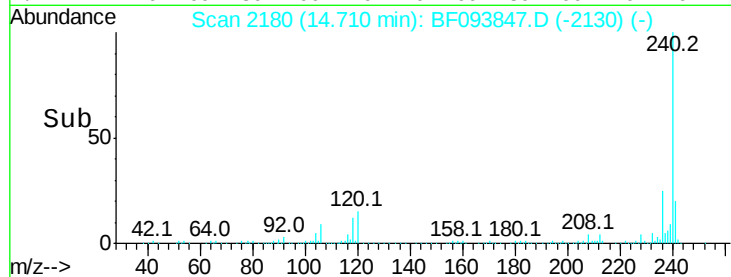
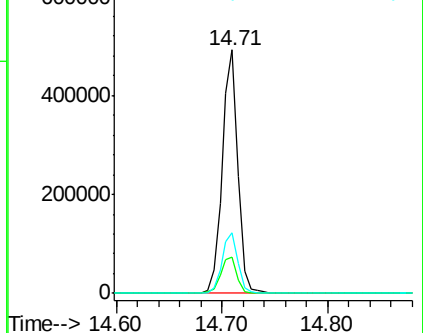
236 25.1 20.5 30.7



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: 79.54 ng

RT: 13.44 min Scan# 1965

Delta R.T. 0.01 min

Lab File: BF093847.D

Acq: 22 Mar 2017 22:08

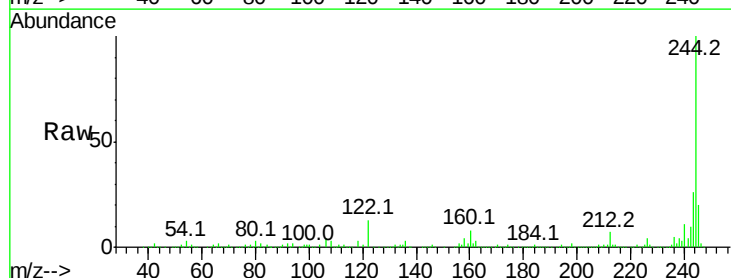
Tgt Ion:244 Resp: 1809083

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

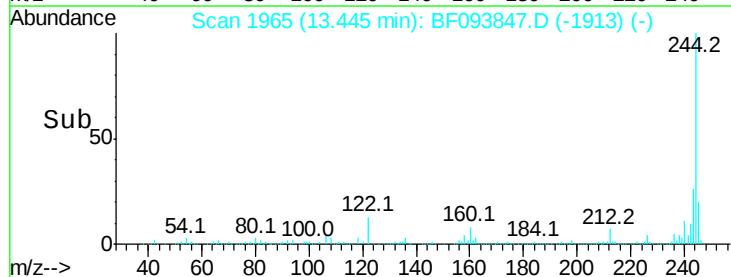
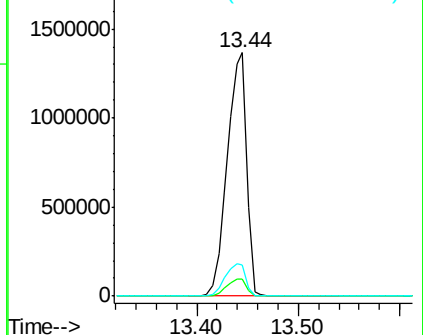
122 12.9 10.3 15.5

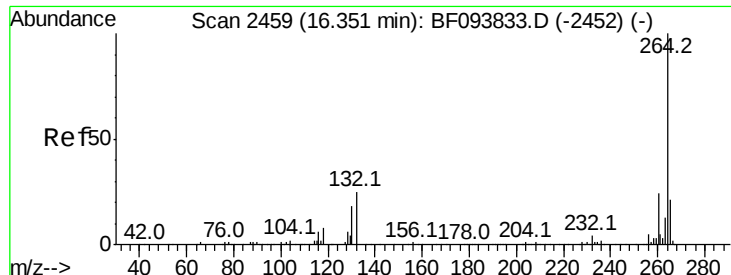


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 16.34 min Scan# 2458
 Delta R.T. -0.01 min
 Lab File: BF093847.D
 Acq: 22 Mar 2017 22:08

Instrument :
 BNA_F
 ClientSampleId :
 LOD-WATER-05-QT2-2017

Tot Ion:	264	Resp:	406677
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.2	17.2	25.8

