

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040716\
 Data File : BF086127.D
 Acq On : 7 Apr 2016 12:52
 Operator : UM/SJ
 Sample : H2155-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PEN-IDW-040116-WATER

Quant Time: Apr 08 02:12:08 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

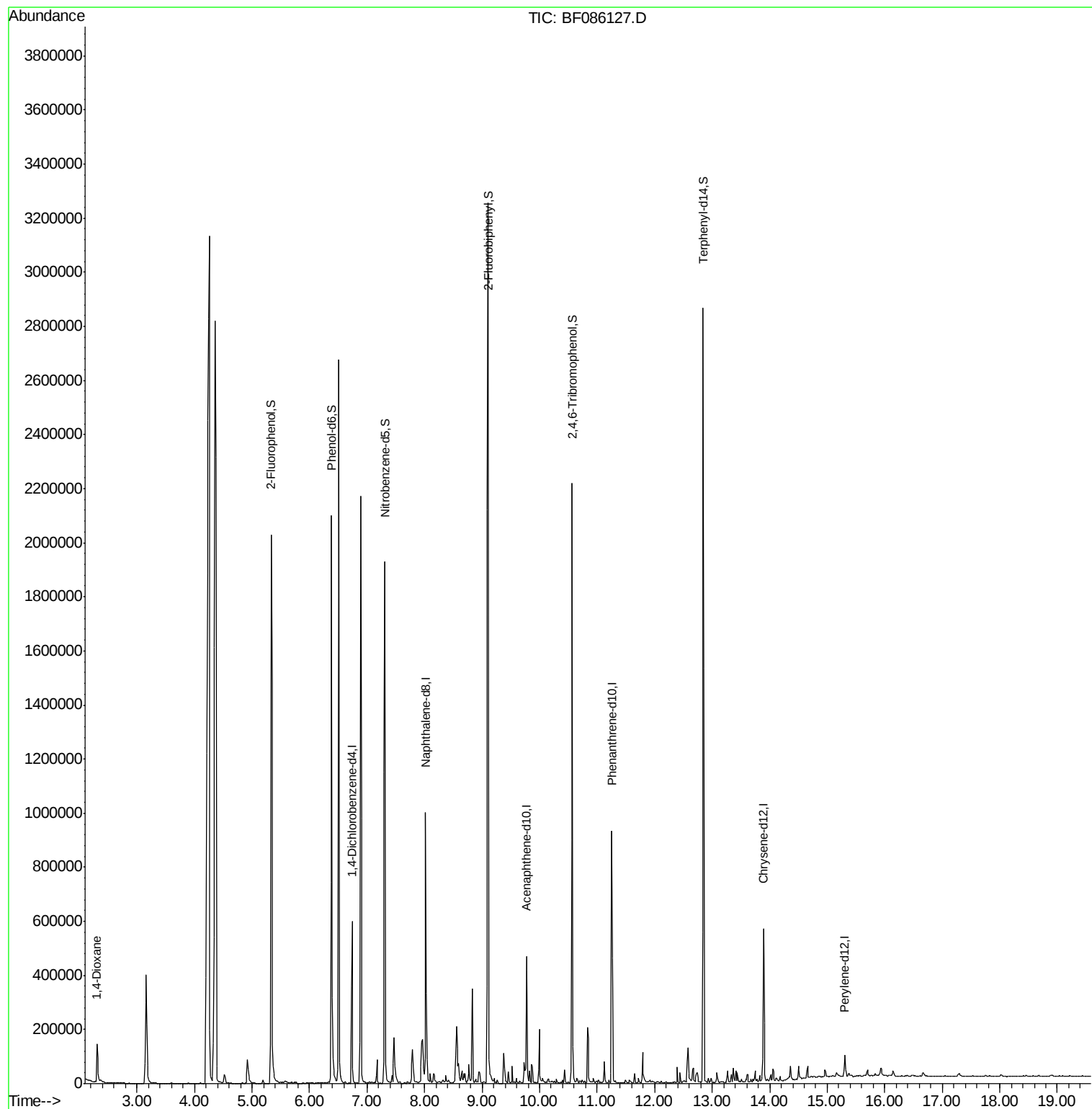
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	118160	20.00	ng	-0.03
21) Naphthalene-d8	8.02	136	475470	20.00	ng	-0.05
38) Acenaphthene-d10	9.77	164	98040	20.00	ng	-0.05
63) Phenanthrene-d10	11.25	188	312228	20.00	ng	-0.05
75) Chrysene-d12	13.89	240	113894	20.00	ng	-0.03
86) Perylene-d12	15.30	264	4412	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	864596	125.07	ng	-0.03
7) Phenol-d6	6.38	99	704295	80.21	ng	-0.03
23) Nitrobenzene-d5	7.31	82	795545	98.67	ng	-0.03
41) 2,4,6-Tribromophenol	10.57	330	298231	324.10	ng	-0.03
44) 2-Fluorobiphenyl	9.10	172	1332959	226.06	ng	-0.03
78) Terphenyl-d14	12.84	244	924445	190.80	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	2.30	88	81500	24.87	ng	Qvalue 98

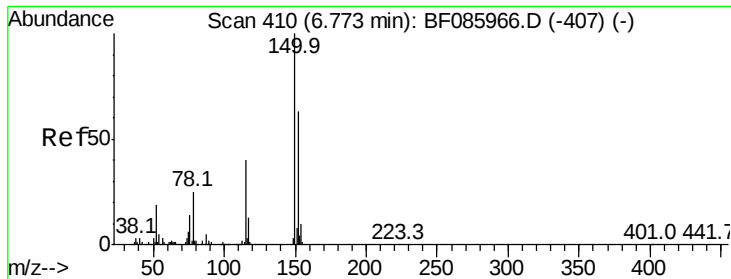
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF086127.D

Acq: 7 Apr 2016 12:52

Instrument :

BNA_F

ClientSampleId :

PEN-IDW-040116-WATER

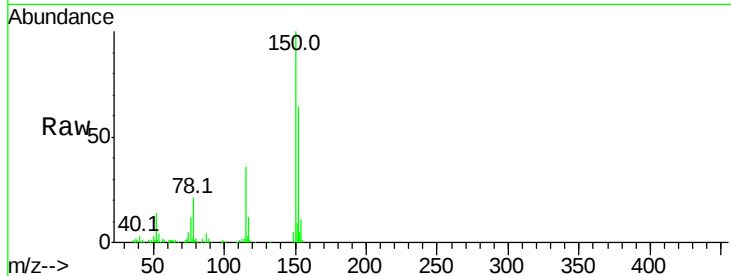
Tot Ion:152 Resp: 118160

Ion Ratio Lower Upper

152 100

150 155.8 124.2 186.2

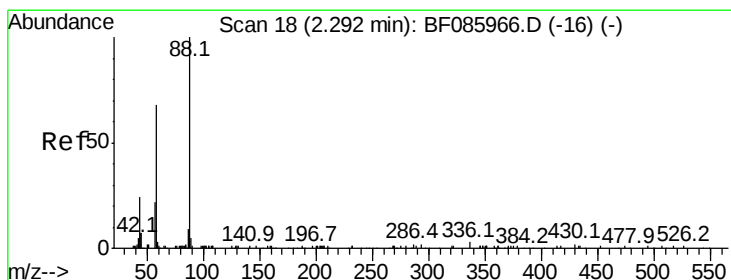
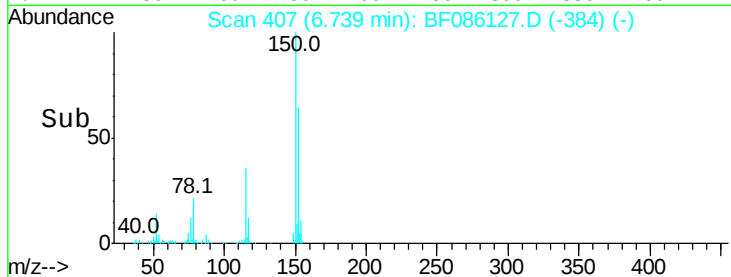
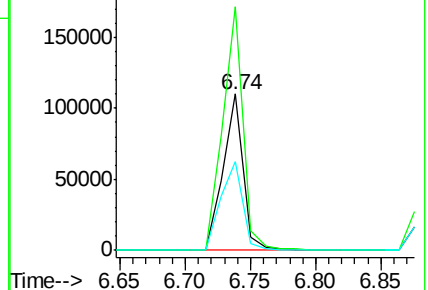
115 56.9 47.0 70.6



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: 24.87 ng

RT: 2.30 min Scan# 19

Delta R.T. 0.01 min

Lab File: BF086127.D

Acq: 7 Apr 2016 12:52

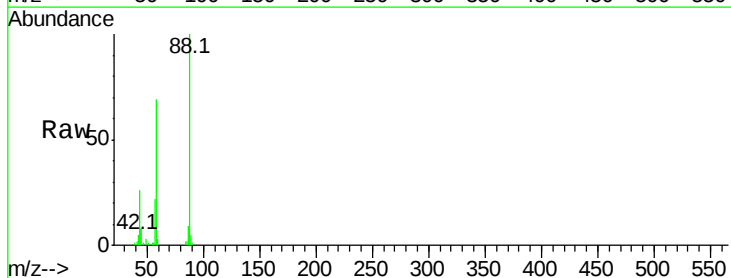
Tgt Ion: 88 Resp: 81500

Ion Ratio Lower Upper

88 100

58 67.5 54.2 81.2

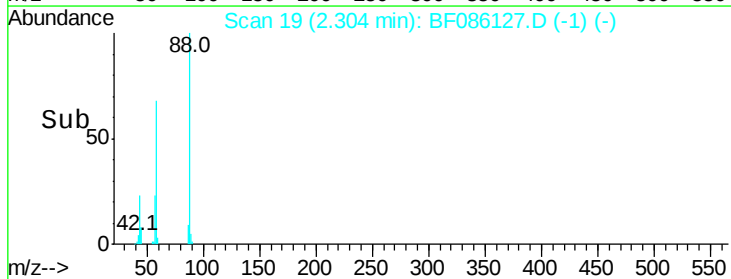
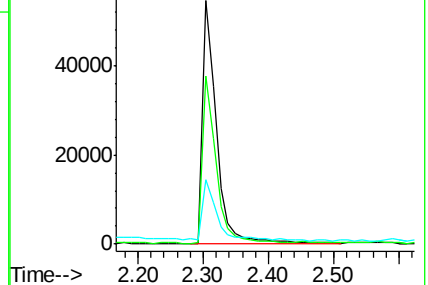
43 27.2 19.3 28.9

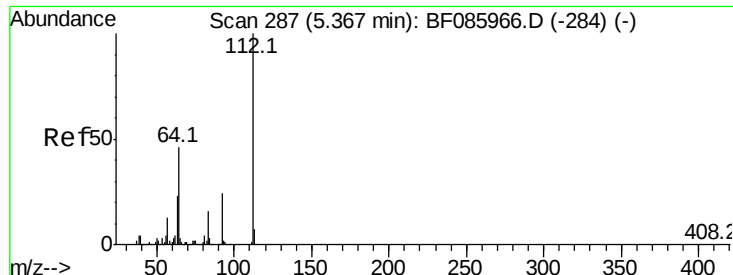


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 125.07 ng

RT: 5.33 min Scan# 284

Delta R.T. -0.03 min

Lab File: BF086127.D

Acq: 7 Apr 2016 12:52

Instrument :

BNA_F

ClientSampleId :

PEN-IDW-040116-WATER

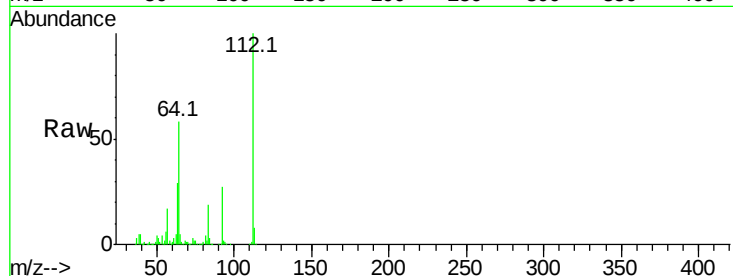
Tot Ion:112 Resp: 864596

Ion Ratio Lower Upper

112 100

64 58.3 39.9 59.9

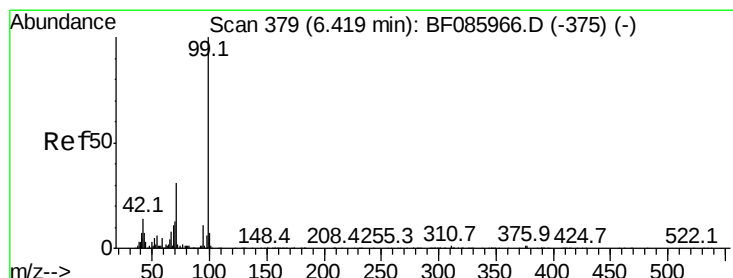
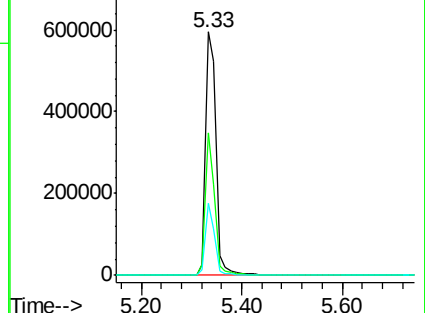
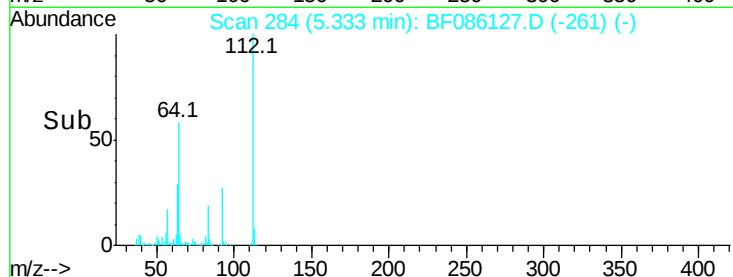
63 29.4 20.2 30.2



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: 80.21 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.03 min

Lab File: BF086127.D

Acq: 7 Apr 2016 12:52

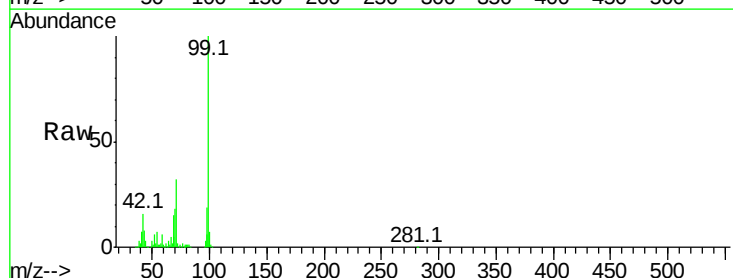
Tgt Ion: 99 Resp: 704295

Ion Ratio Lower Upper

99 100

42 16.4 11.1 16.7

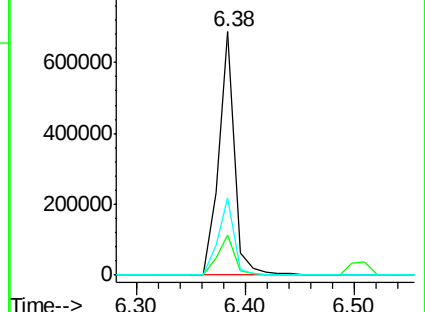
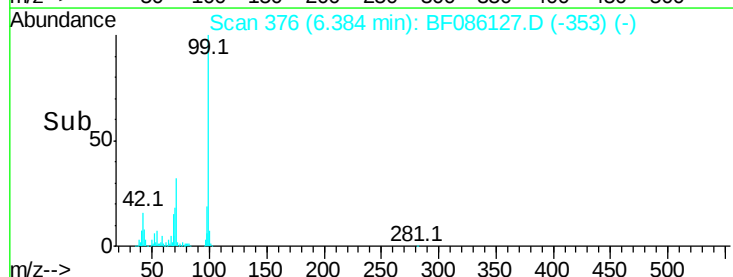
71 31.7 24.9 37.3

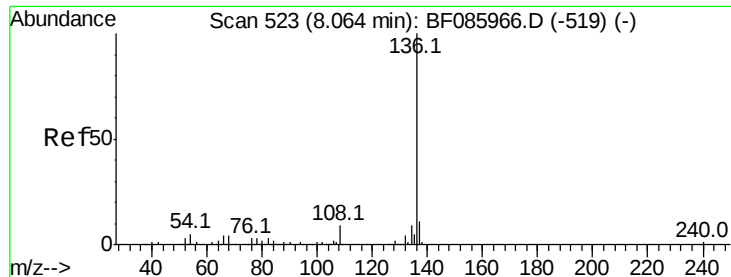


Abundance Ion 99.00 (98.70 to 99.70): BF0

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: 8.02 min Scan# 519

Delta R.T. -0.05 min

Lab File: BF086127.D

Acq: 7 Apr 2016 12:52

Instrument :

BNA_F

ClientSampleId :

PEN-IDW-040116-WATER

Tot Ion:136 Resp: 475470

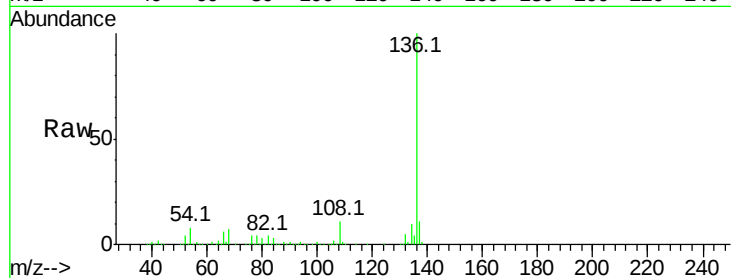
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 8.1 7.4 11.0

68 6.8 5.8 8.8

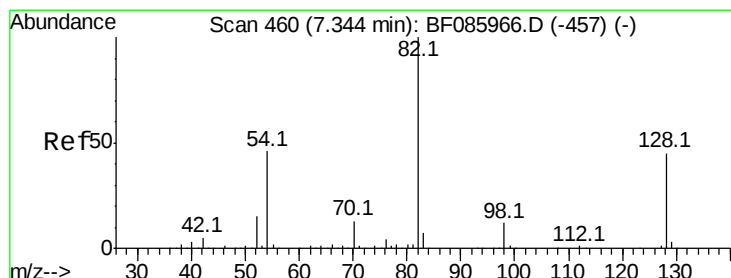
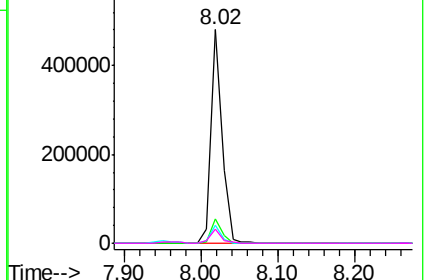
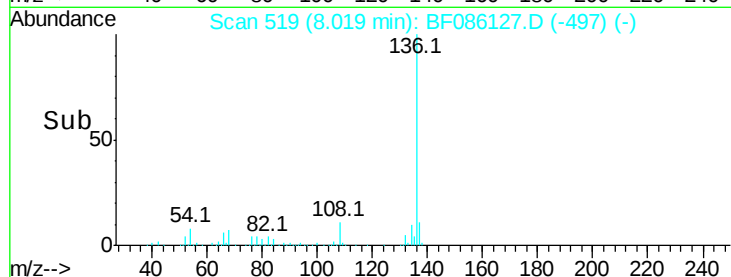


Abundance Ion 136.00 (135.70 to 136.70): E

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: 98.67 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.03 min

Lab File: BF086127.D

Acq: 7 Apr 2016 12:52

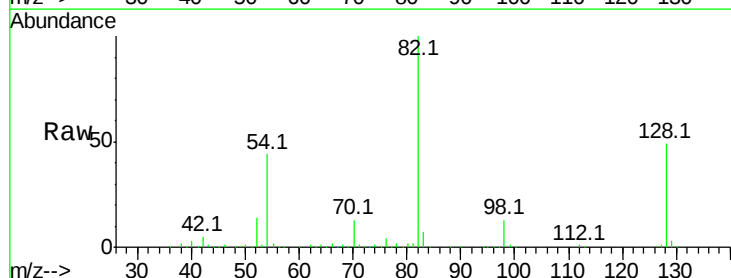
Tgt Ion: 82 Resp: 795545

Ion Ratio Lower Upper

82 100

128 49.1 41.8 62.8

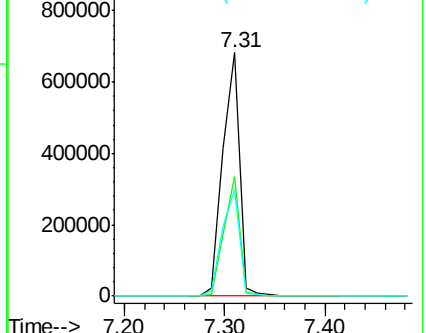
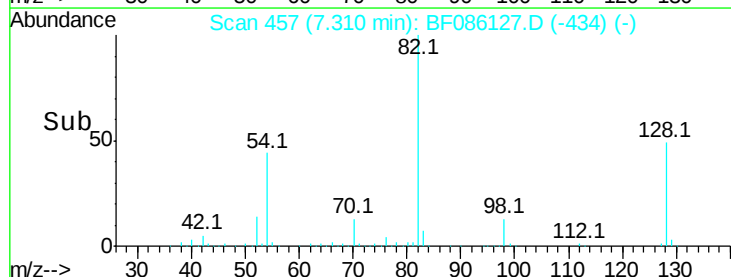
54 43.7 33.4 50.0

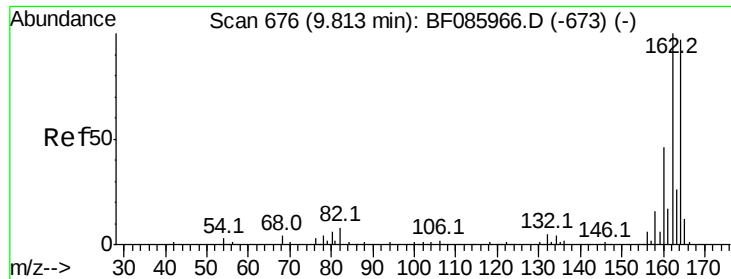


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

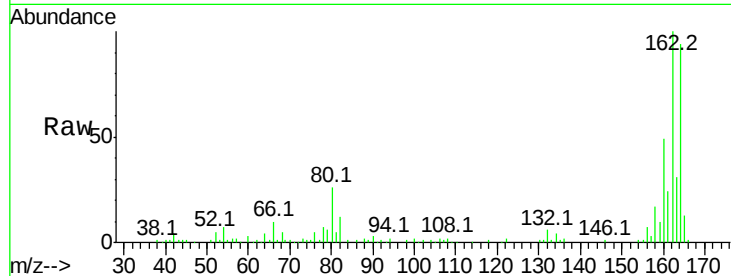




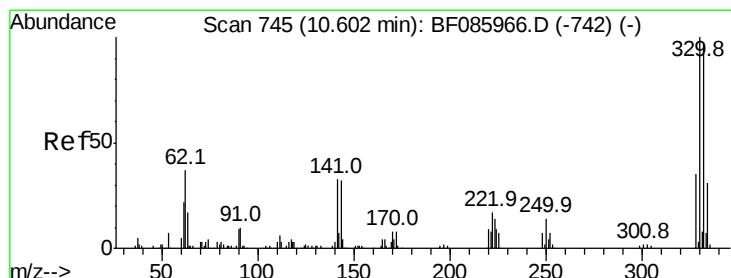
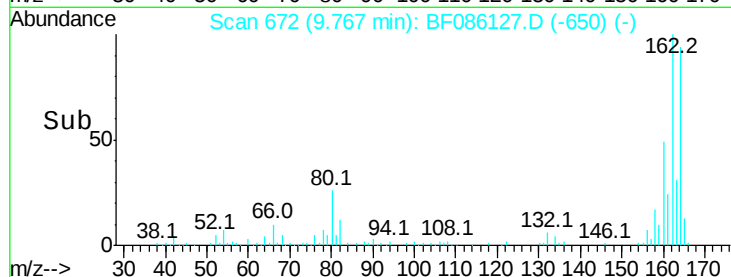
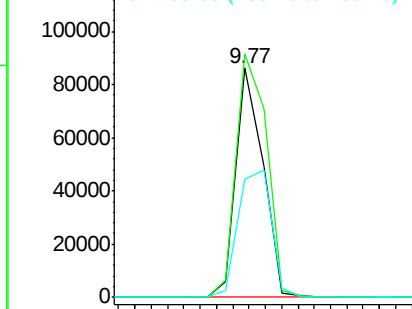
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.77 min Scan# 672
Delta R.T. -0.05 min
Lab File: BF086127.D
Acq: 7 Apr 2016 12:52

Instrument :
BNA_F
ClientSampleId :
PEN-IDW-040116-WATER

Tot Ion:164 Resp: 98040
Ion Ratio Lower Upper
164 100
162 106.2 82.1 123.1
160 51.6 37.4 56.2

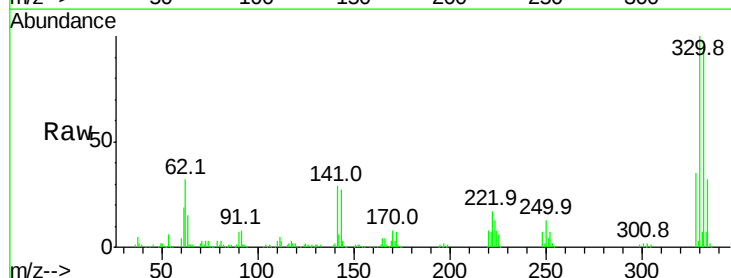


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

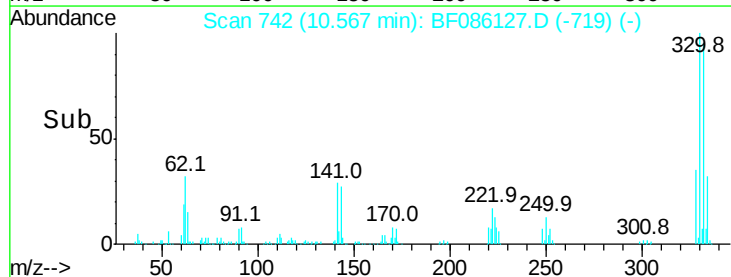
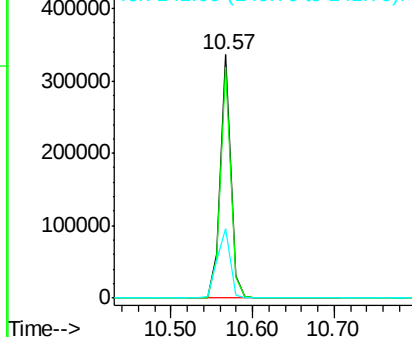


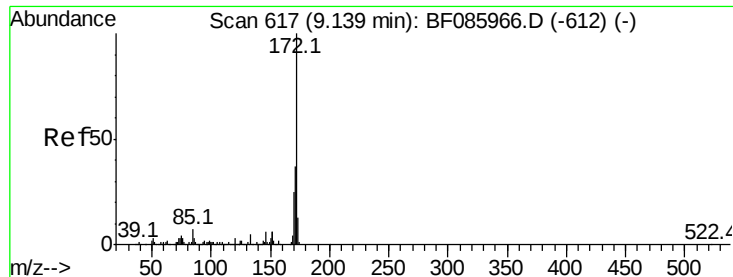
#41
2,4,6-Tribromophenol
Concen: 324.10 ng
RT: 10.57 min Scan# 742
Delta R.T. -0.03 min
Lab File: BF086127.D
Acq: 7 Apr 2016 12:52

Tgt Ion:330 Resp: 298231
Ion Ratio Lower Upper
330 100
332 94.7 78.2 117.2
141 36.1 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: 226.06 ng

RT: 9.10 min Scan# 614

Delta R.T. -0.03 min

Lab File: BF086127.D

Acq: 7 Apr 2016 12:52

Instrument :

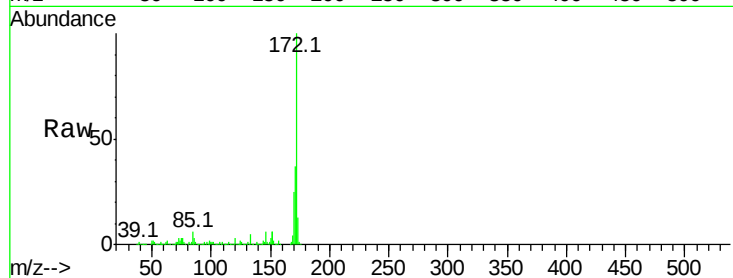
BNA_F

ClientSampleId :

PEN-IDW-040116-WATER

Tot Ion:172 Resp: 1332959

Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.4	44.2
170	25.0	19.8	29.6

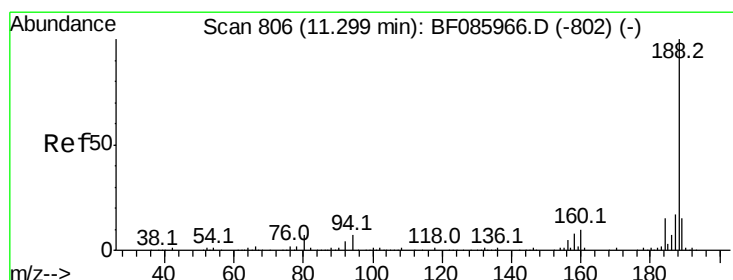
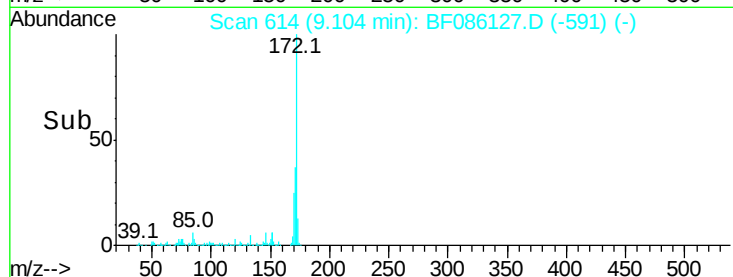
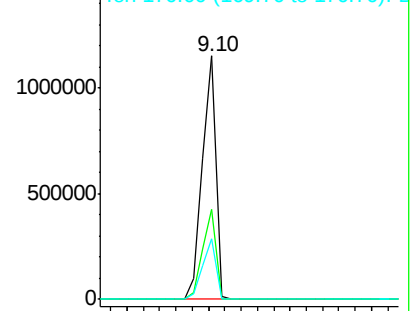


Abundance

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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.25 min Scan# 802

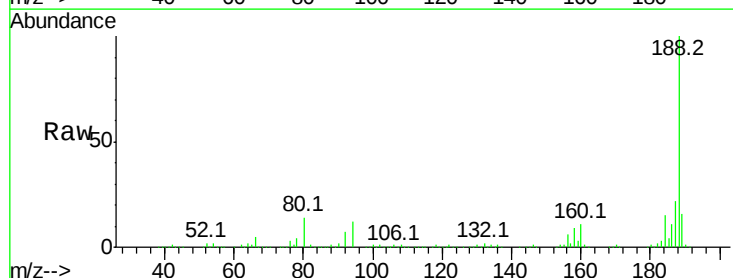
Delta R.T. -0.05 min

Lab File: BF086127.D

Acq: 7 Apr 2016 12:52

Tgt Ion:188 Resp: 312228

Ion	Ratio	Lower	Upper
188	100		
94	12.0	5.4	8.0#
80	13.5	5.5	8.3#

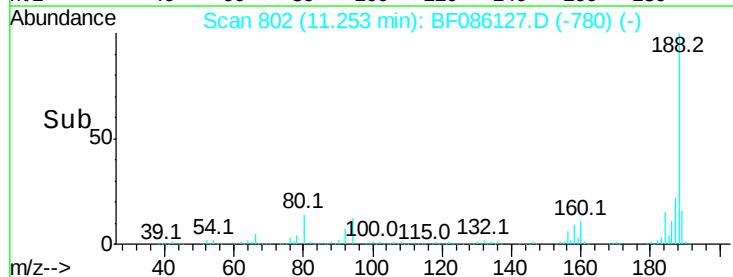
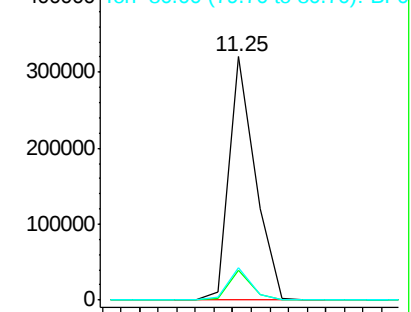


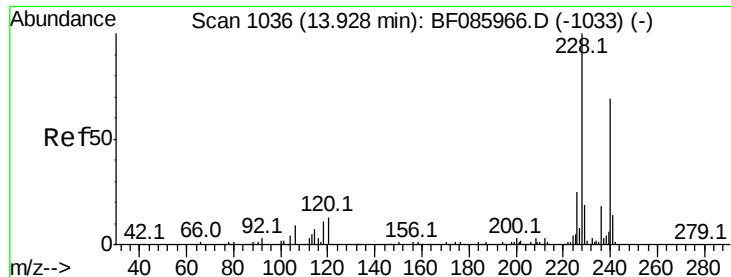
Abundance

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: BF086127.D

Acq: 7 Apr 2016 12:52

Instrument :

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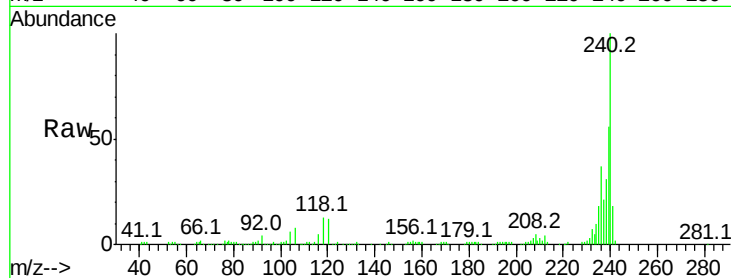
Tot Ion:240 Resp: 113894

Ion Ratio Lower Upper

240 100

120 12.3 13.8 20.8#

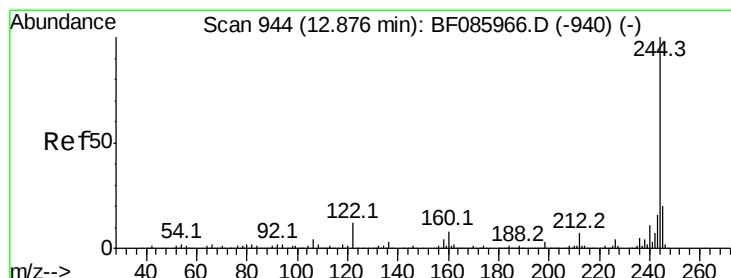
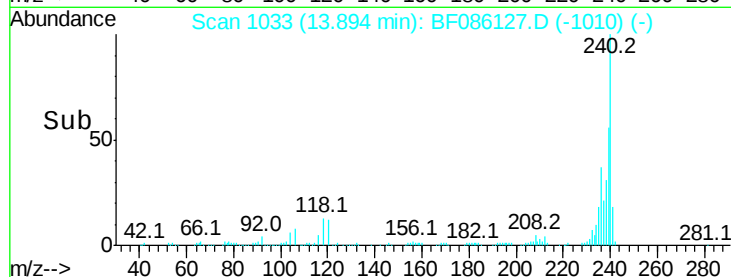
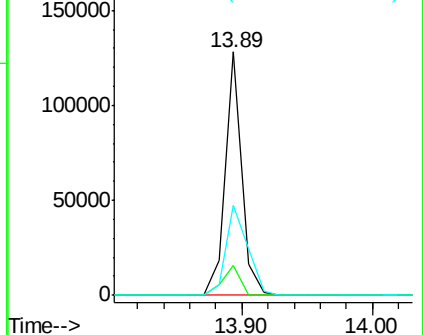
236 36.8 20.6 30.8#



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: 190.80 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.03 min

Lab File: BF086127.D

Acq: 7 Apr 2016 12:52

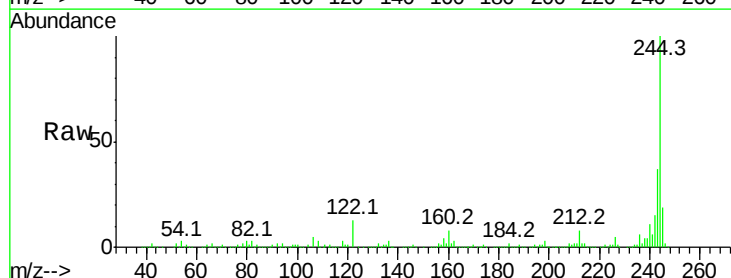
Tgt Ion:244 Resp: 924445

Ion Ratio Lower Upper

244 100

212 7.7 6.1 9.1

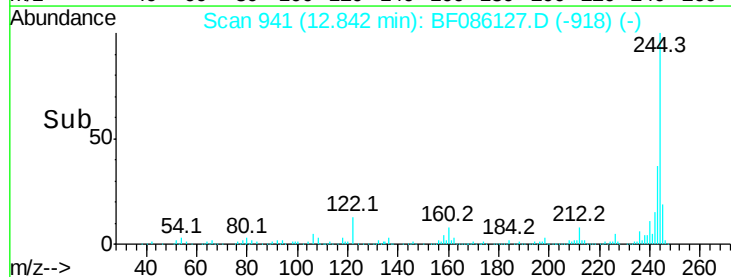
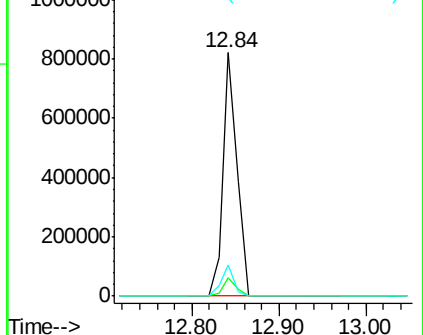
122 12.9 10.2 15.4

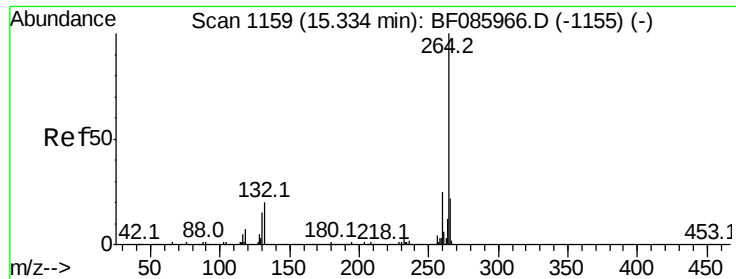


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.30 min Scan# 1156
 Delta R.T. -0.03 min
 Lab File: BF086127.D
 Acq: 7 Apr 2016 12:52

Instrument :
 BNA_F
 ClientSampleId :
 PEN-IDW-040116-WATER

Tot Ion	Ratio	Lower	Upper
264	100		
260	112.6	19.4	29.2#
265	24.5	17.2	25.8

