

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040816\
 Data File : BF086167.D
 Acq On : 8 Apr 2016 14:43
 Operator : UM/SJ
 Sample : H2155-02RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

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

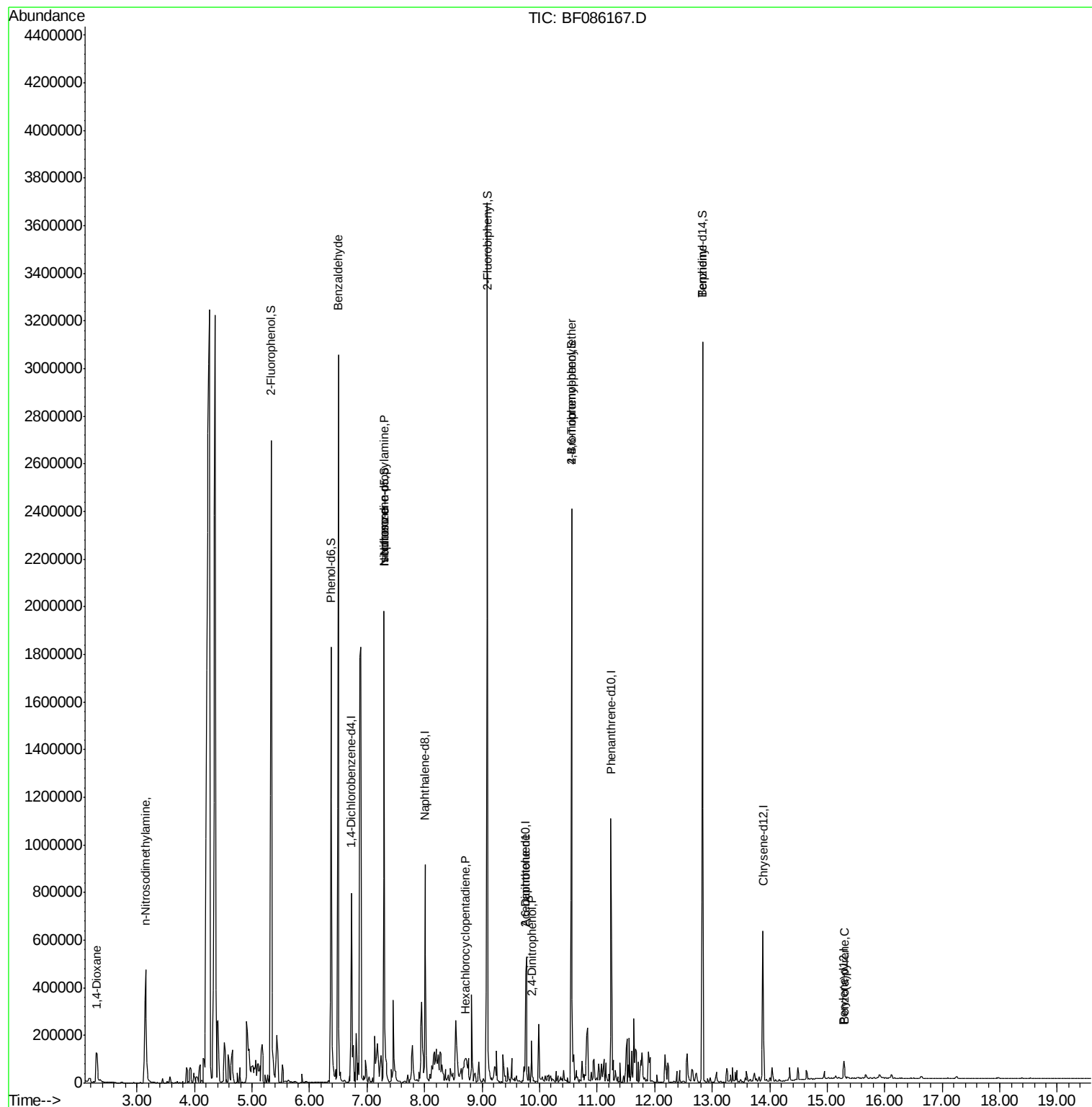
Quant Time: Apr 08 23:16:58 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

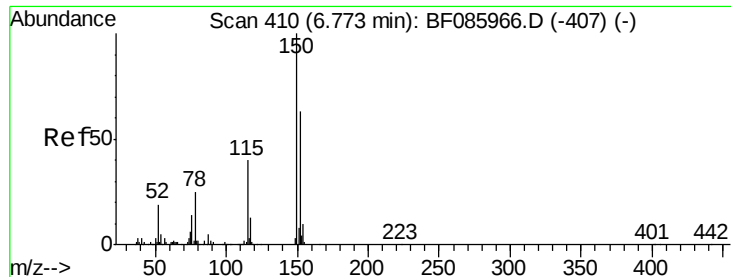
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	128490	20.00	ng	-0.05
21) Naphthalene-d8	8.01	136	513018	20.00	ng	-0.06
38) Acenaphthene-d10	9.76	164	111252	20.00	ng	-0.06
63) Phenanthrene-d10	11.24	188	330433	20.00	ng	-0.06
75) Chrysene-d12	13.88	240	120621	20.00	ng	-0.05
86) Perylene-d12	15.28	264	2498	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	910528	121.13	ng	-0.03
7) Phenol-d6	6.37	99	712576	74.63	ng	-0.05
23) Nitrobenzene-d5	7.30	82	748808	86.08	ng	-0.05
41) 2,4,6-Tribromophenol	10.56	330	303359	290.52	ng	-0.05
44) 2-Fluorobiphenyl	9.09	172	1386619	207.23	ng	-0.05
78) Terphenyl-d14	12.83	244	945622	184.28	ng	-0.05
Target Compounds						
2) 1,4-Dioxane	2.30	88	92226	25.88	ng	Qvalue 98
4) n-Nitrosodimethylamine	3.15	42	14628	4.17	ng	# 1
9) Benzaldehyde	6.50	77	20677	4.02	ng	87
19) n-Nitroso-di-n-propylamine	7.30	70	103975	17.57	ng	# 78
25) Isophorone	7.30	82	741931	43.21	ng	# 68
40) Hexachlorocyclopentadiene	8.70	237	737	6.21	ng	# 1
50) 2,6-Dinitrotoluene	9.76	165	14477	8.30	ng	# 22
53) 2,4-Dinitrophenol	9.86	184	335	2.47	ng	# 1
66) 4-Bromophenyl-phenylether	10.56	248	21082	6.25	ng	# 1
76) Benzidine	12.83	184	14448	3.39	ng	# 82
89) Benzo(a)pyrene	15.30	252	938	6.74	ng	# 1

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

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QLast Update : Fri Apr 01 23:17:06 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.05 min

Lab File: BF086167.D

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BNA_F

ClientSampleId :

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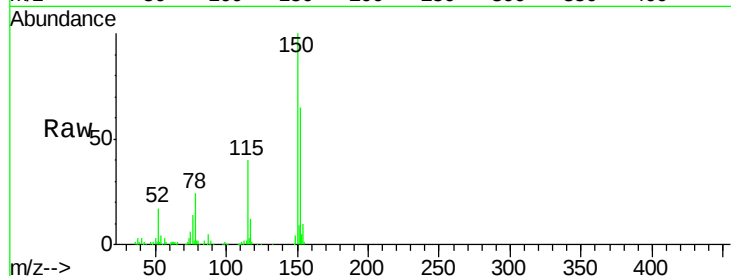
Tgt Ion:152 Resp: 128490

Ion Ratio Lower Upper

152 100

150 153.8 124.2 186.2

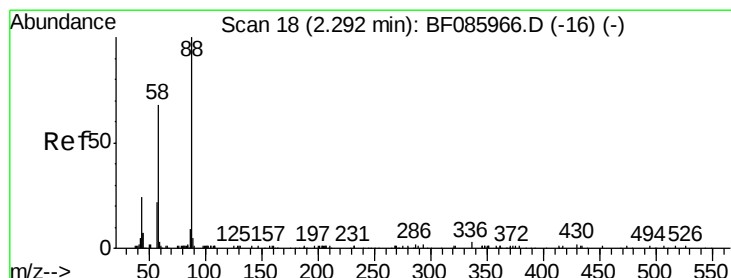
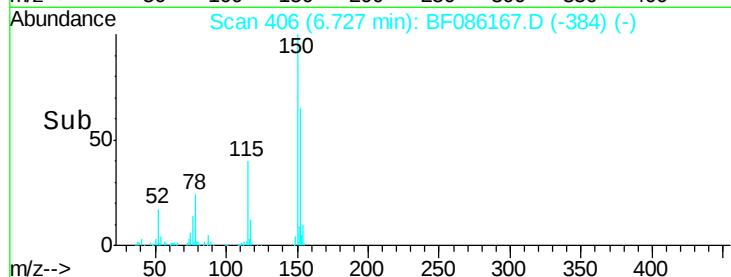
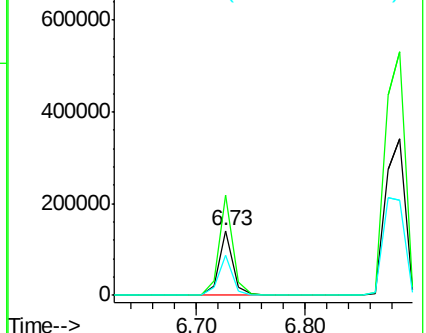
115 61.0 47.0 70.6



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: 25.88 ng

RT: 2.30 min Scan# 19

Delta R.T. 0.01 min

Lab File: BF086167.D

Acq: 8 Apr 2016 14:43

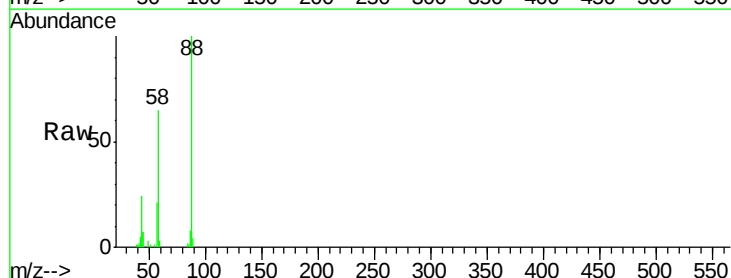
Tgt Ion: 88 Resp: 92226

Ion Ratio Lower Upper

88 100

58 68.4 54.2 81.2

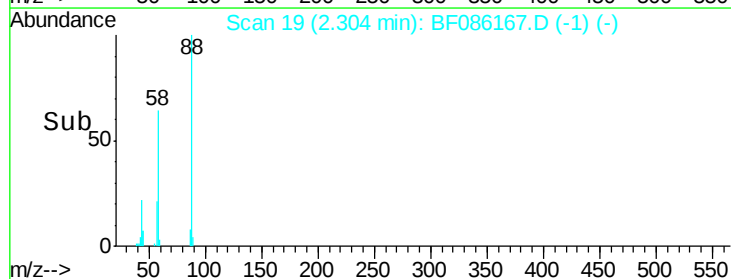
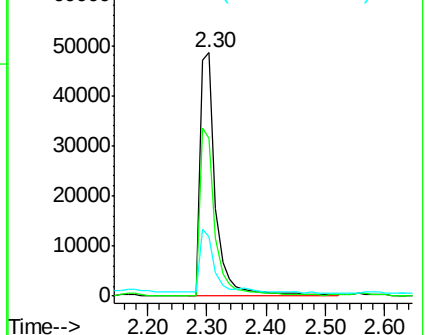
43 27.2 19.3 28.9

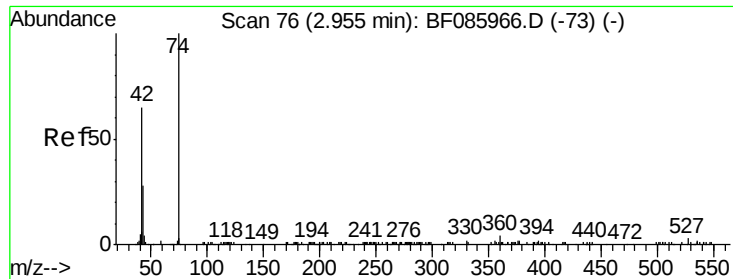


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#4

n-Nitrosodimethylamine

Concen: 4.17 ng

RT: 3.15 min Scan# 93

Delta R.T. 0.19 min

Lab File: BF086167.D

Acq: 8 Apr 2016 14:43

Instrument :

BNA_F

ClientSampleId :

PEN-IDW-040116-WATERRE

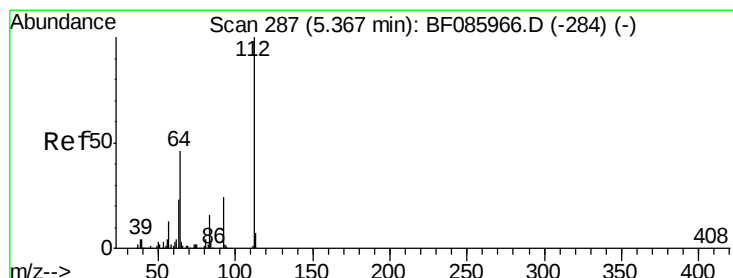
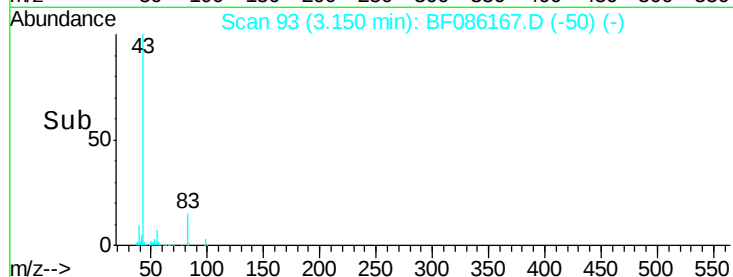
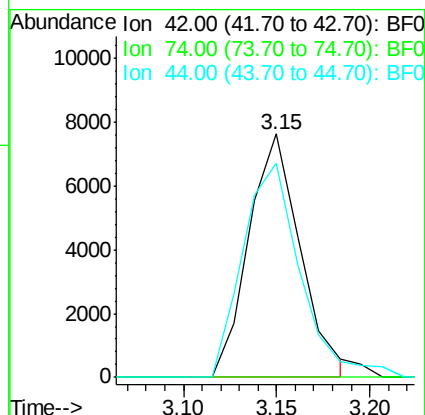
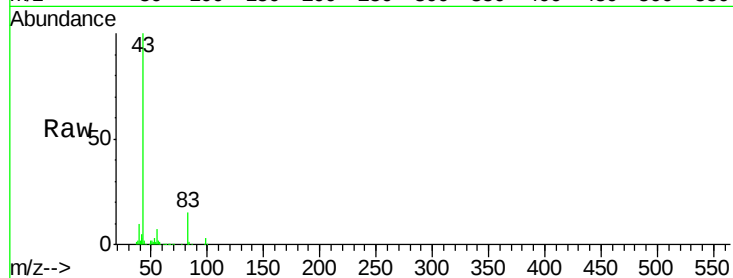
Tgt Ion: 42 Resp: 14628

Ion Ratio Lower Upper

42 100

74 0.0 121.4 182.2#

44 88.0 5.6 8.4#



#5

2-Fluorophenol

Concen: 121.13 ng

RT: 5.33 min Scan# 284

Delta R.T. -0.03 min

Lab File: BF086167.D

Acq: 8 Apr 2016 14:43

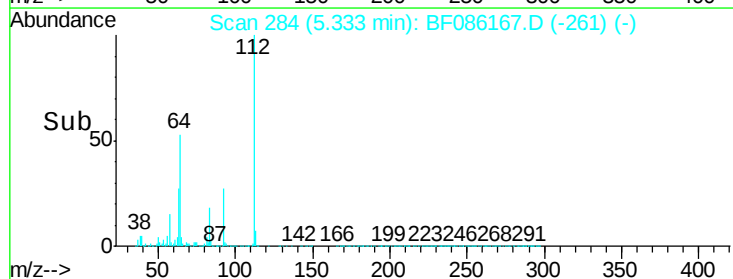
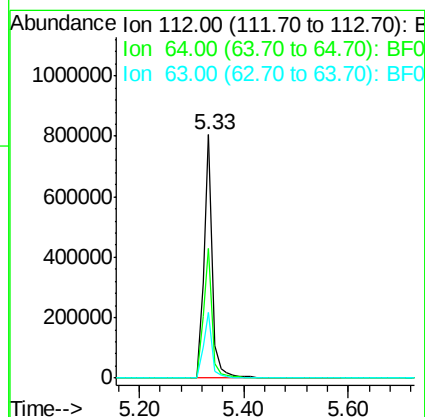
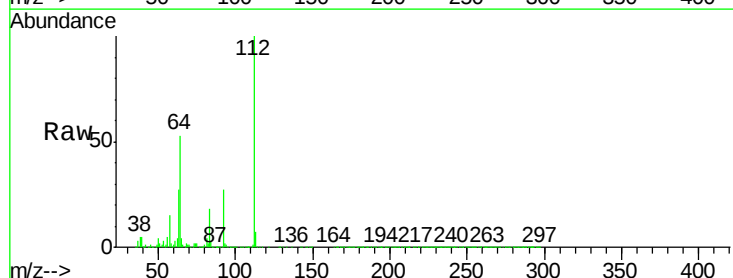
Tgt Ion: 112 Resp: 910528

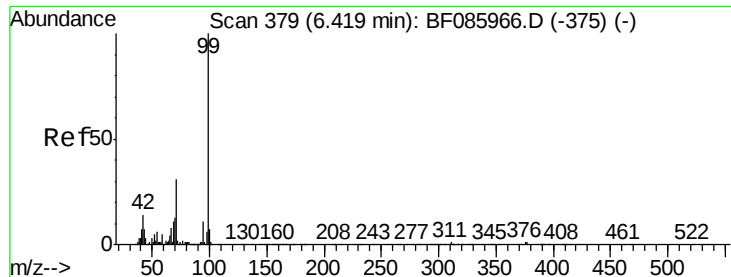
Ion Ratio Lower Upper

112 100

64 53.1 39.9 59.9

63 27.0 20.2 30.2





#7

Phenol-d6

Concen: 74.63 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.05 min

Lab File: BF086167.D

Acq: 8 Apr 2016 14:43

Instrument :

BNA_F

ClientSampleId :

PEN-IDW-040116-WATERRE

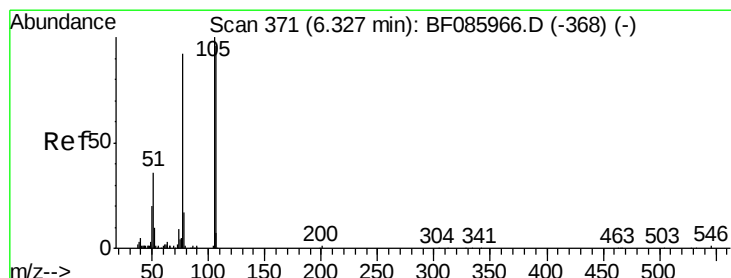
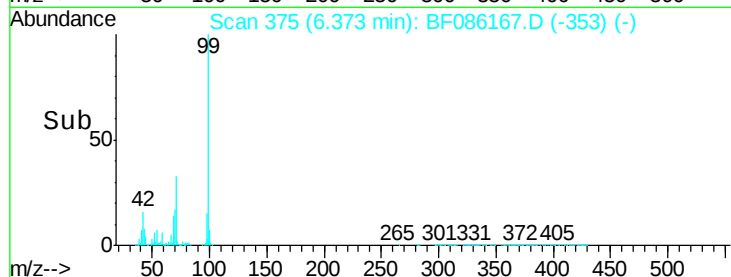
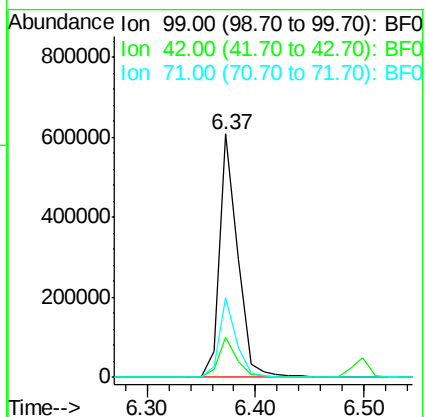
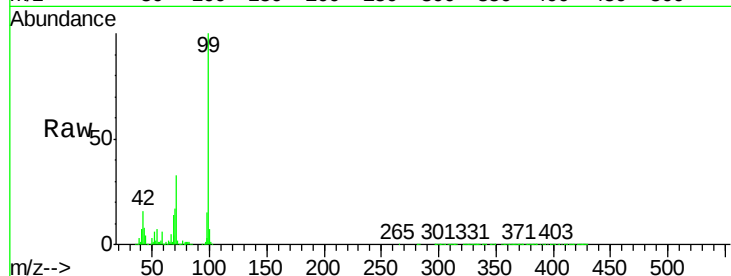
Tgt Ion: 99 Resp: 712576

Ion Ratio Lower Upper

99 100

42 16.4 11.1 16.7

71 32.8 24.9 37.3



#9

Benzaldehyde

Concen: 4.02 ng

RT: 6.50 min Scan# 386

Delta R.T. 0.17 min

Lab File: BF086167.D

Acq: 8 Apr 2016 14:43

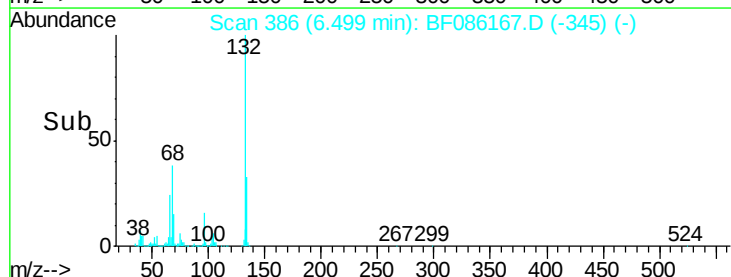
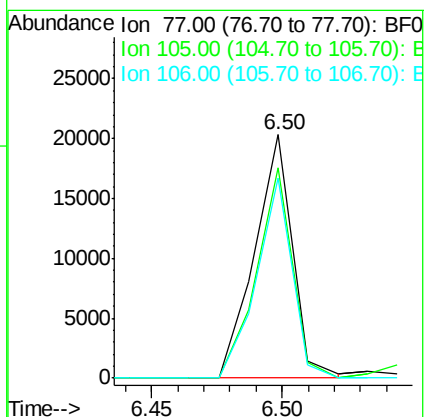
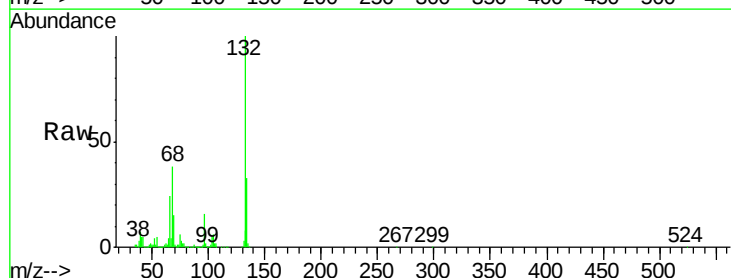
Tgt Ion: 77 Resp: 20677

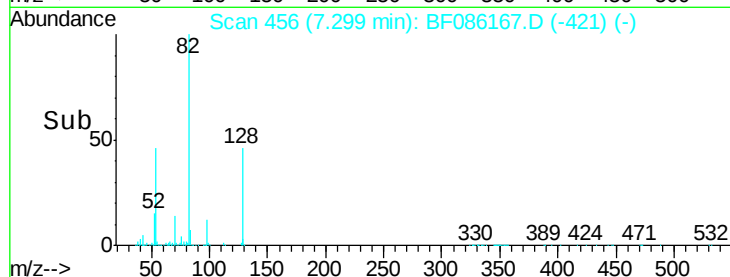
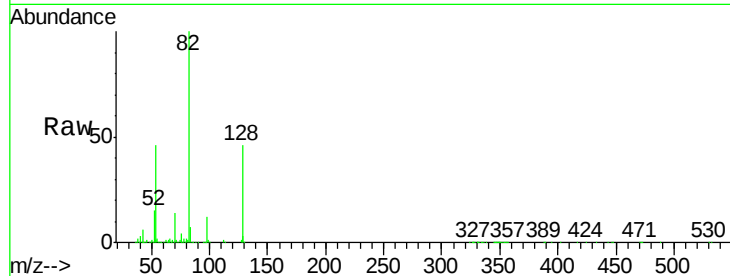
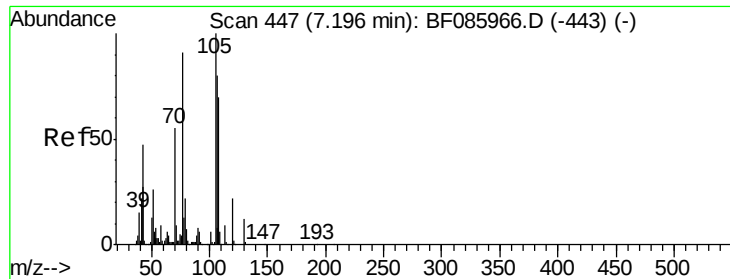
Ion Ratio Lower Upper

77 100

105 86.6 80.1 120.1

106 82.3 75.0 115.0

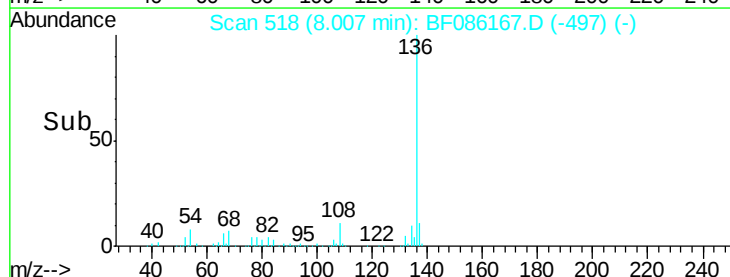
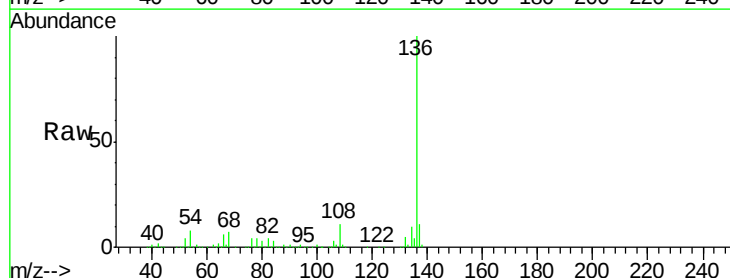
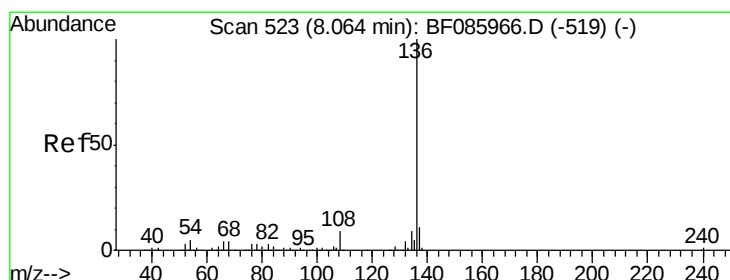
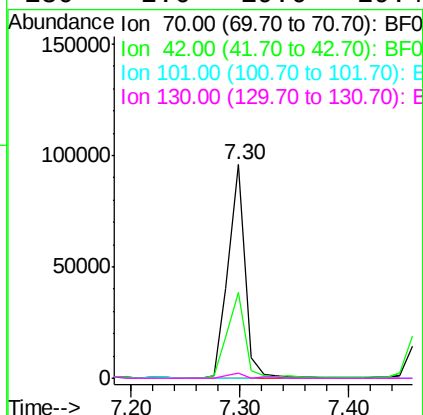




#19
n-Nitroso-di-n-propylamine
Concen: 17.57 ng
RT: 7.30 min Scan# 456
Delta R.T. 0.10 min
Lab File: BF086167.D
Acq: 8 Apr 2016 14:43

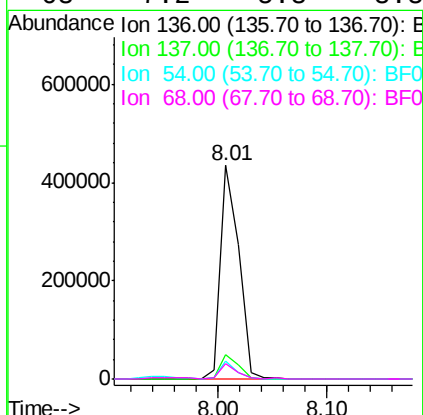
Instrument :
BNA_F
ClientSampleId :
PEN-IDW-040116-WATERRE

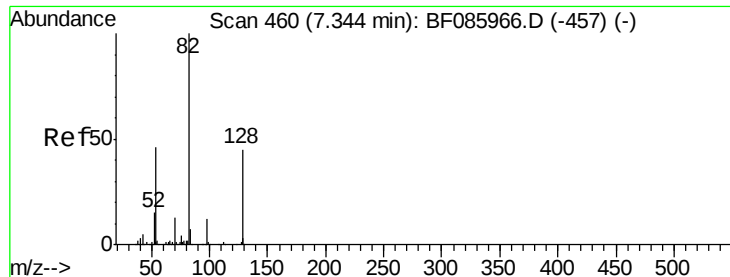
Tgt Ion: 70 Resp: 103975
Ion Ratio Lower Upper
70 100
42 40.0 37.1 55.7
101 0.0 8.6 12.8#
130 2.6 19.6 29.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.06 min
Lab File: BF086167.D
Acq: 8 Apr 2016 14:43

Tgt Ion: 136 Resp: 513018
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 8.4 7.4 11.0
68 7.2 5.8 8.8

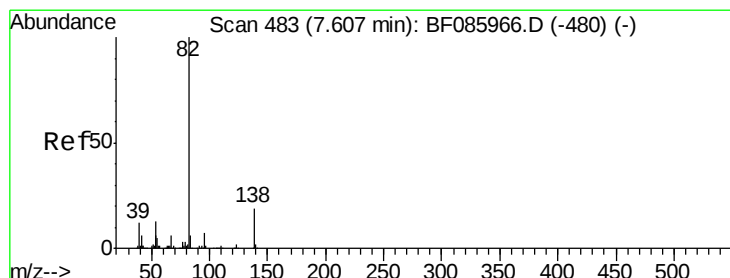
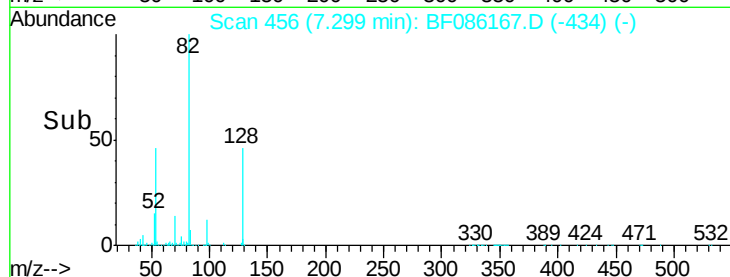
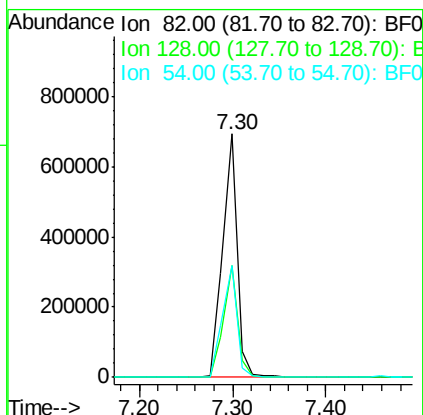
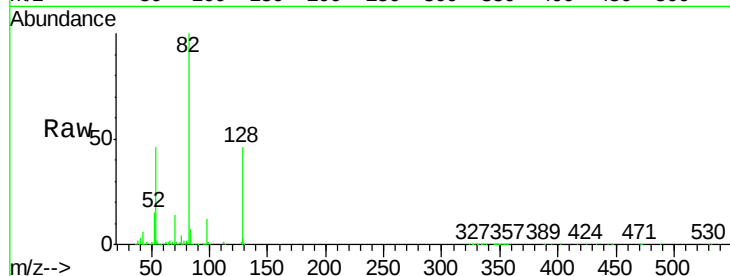




#23
 Nitrobenzene-d5
 Concen: 86.08 ng
 RT: 7.30 min Scan# 456
 Delta R.T. -0.05 min
 Lab File: BF086167.D
 Acq: 8 Apr 2016 14:43

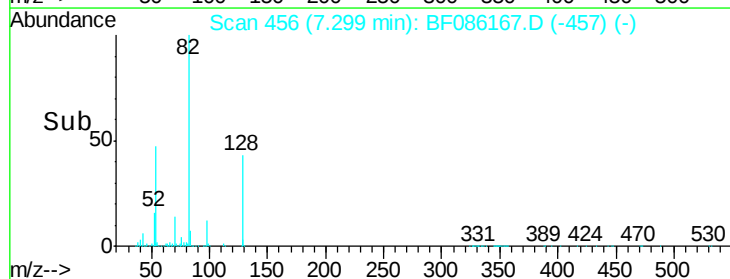
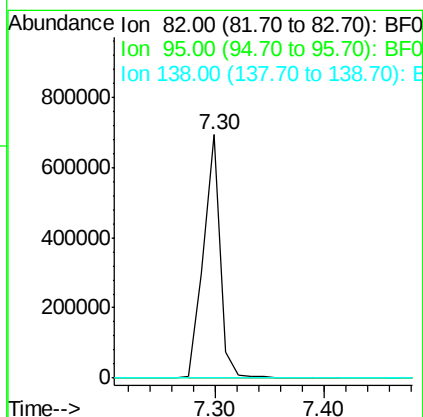
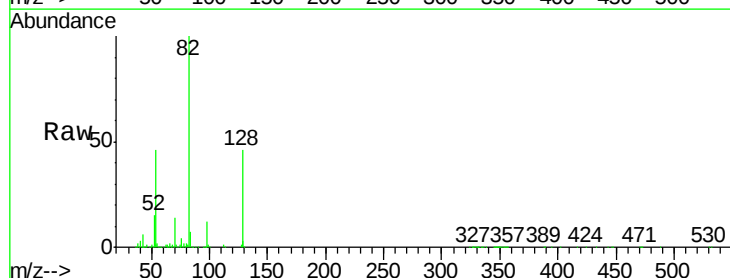
Instrument :
 BNA_F
 ClientSampleId :
 PEN-IDW-040116-WATERRE

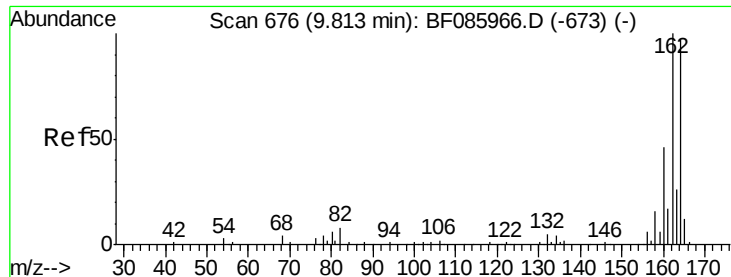
Tgt Ion: 82 Resp: 748808
 Ion Ratio Lower Upper
 82 100
 128 46.0 41.8 62.8
 54 45.8 33.4 50.0



#25
 Isophorone
 Concen: 43.21 ng
 RT: 7.30 min Scan# 456
 Delta R.T. -0.31 min
 Lab File: BF086167.D
 Acq: 8 Apr 2016 14:43

Tgt Ion: 82 Resp: 741931
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.4 8.2#
 138 0.0 12.9 19.3#

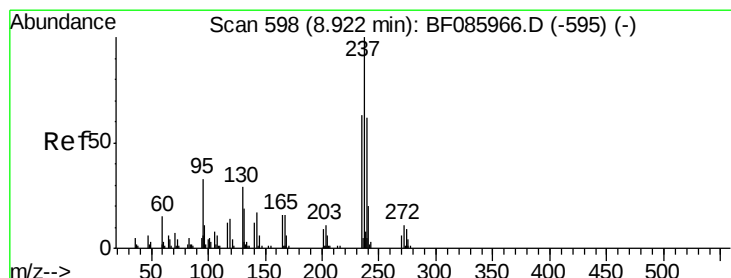
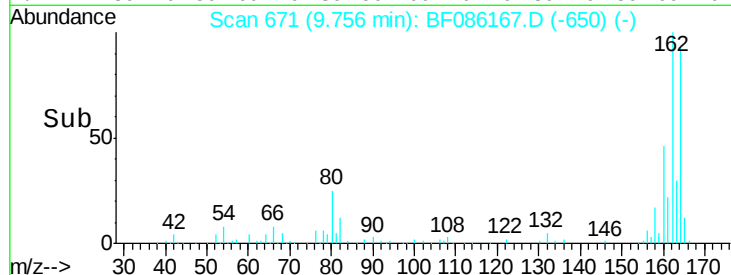
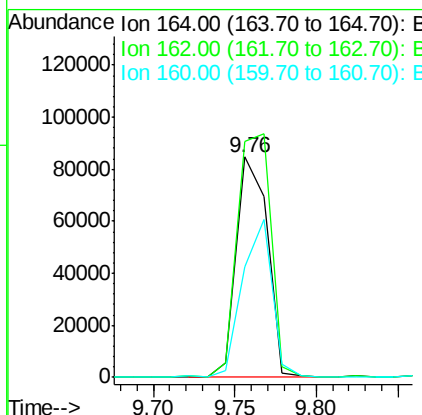
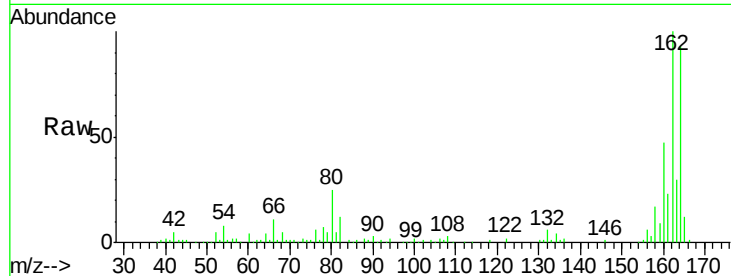




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.76 min Scan# 671
 Delta R.T. -0.06 min
 Lab File: BF086167.D
 Acq: 8 Apr 2016 14:43

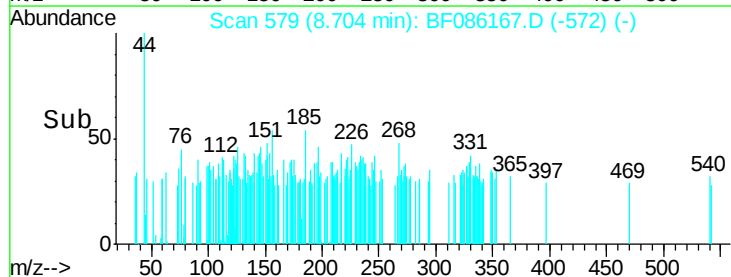
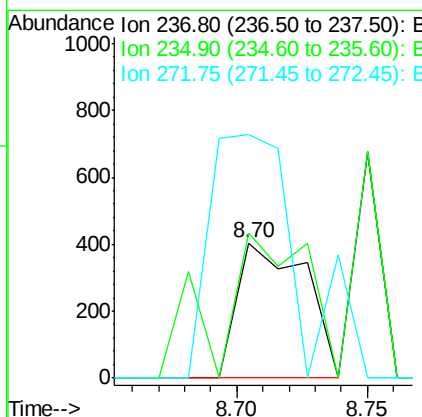
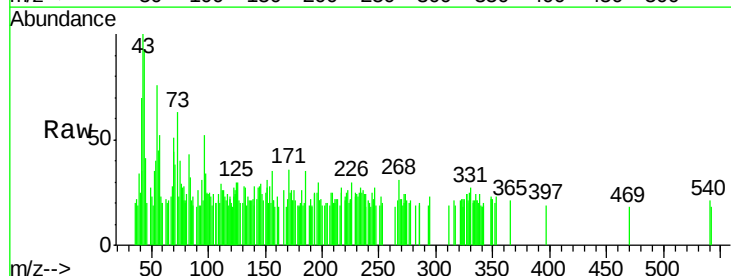
Instrument :
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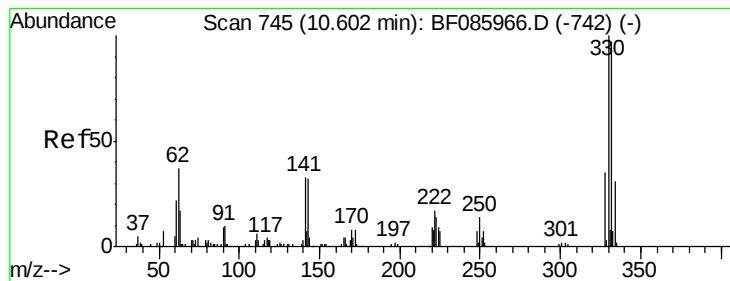
Tgt Ion:164 Resp: 111252
 Ion Ratio Lower Upper
 164 100
 162 107.1 82.1 123.1
 160 50.3 37.4 56.2



#40
 Hexachlorocyclopentadiene
 Concen: 6.21 ng
 RT: 8.70 min Scan# 579
 Delta R.T. -0.22 min
 Lab File: BF086167.D
 Acq: 8 Apr 2016 14:43

Tgt Ion:237 Resp: 737
 Ion Ratio Lower Upper
 237 100
 235 107.7 43.7 83.7#
 272 180.2 0.0 31.9#

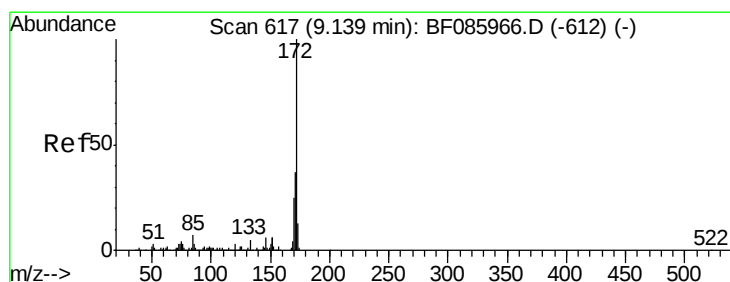
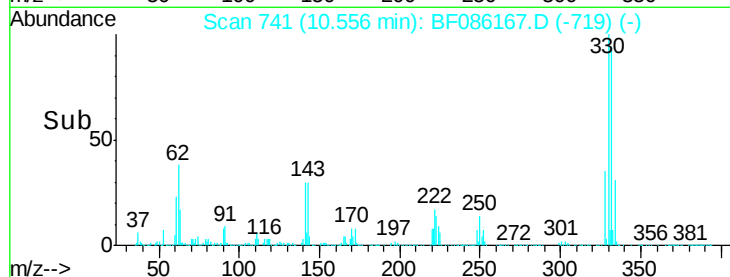
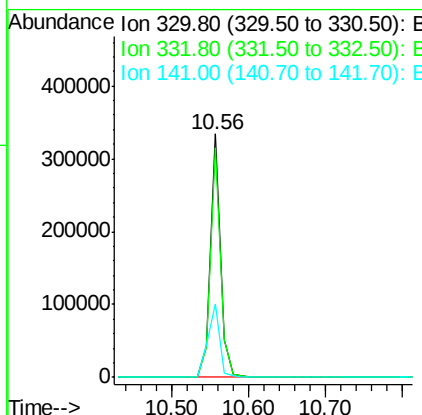
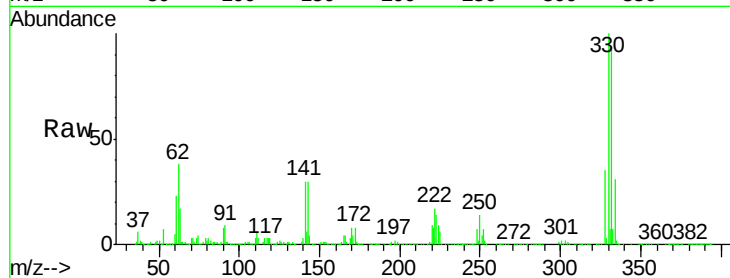




#41
 2,4,6-Tribromophenol
 Concen: 290.52 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.05 min
 Lab File: BF086167.D
 Acq: 8 Apr 2016 14:43

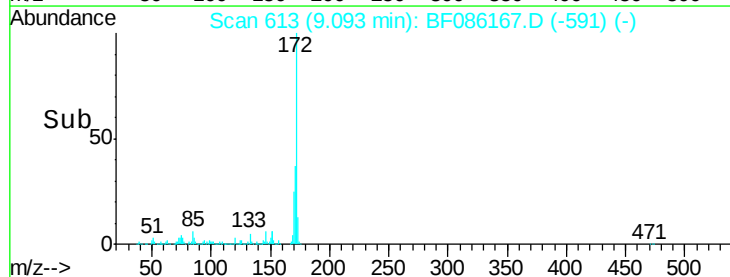
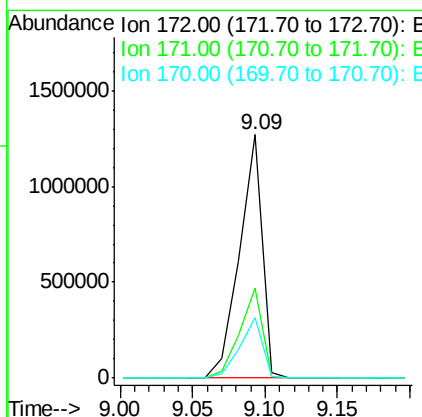
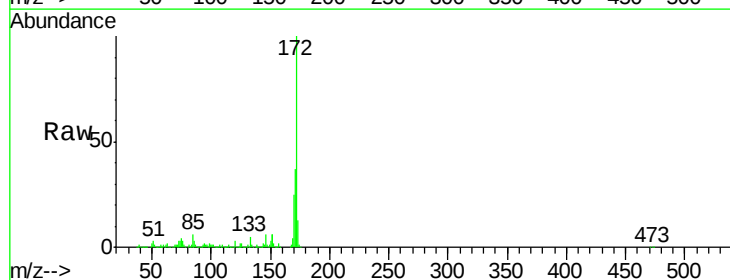
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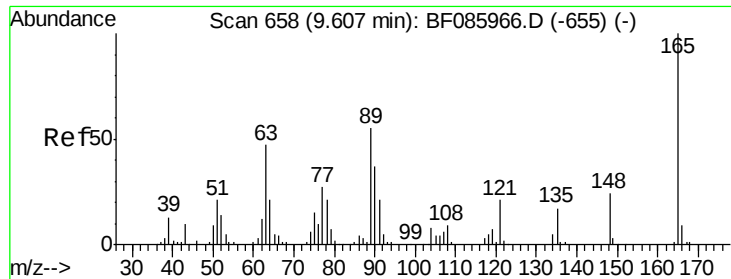
Tgt Ion:330 Resp: 303359
 Ion Ratio Lower Upper
 330 100
 332 95.2 78.2 117.2
 141 35.8 31.5 47.3



#44
 2-Fluorobiphenyl
 Concen: 207.23 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.05 min
 Lab File: BF086167.D
 Acq: 8 Apr 2016 14:43

Tgt Ion:172 Resp: 1386619
 Ion Ratio Lower Upper
 172 100
 171 37.2 29.4 44.2
 170 24.7 19.8 29.6

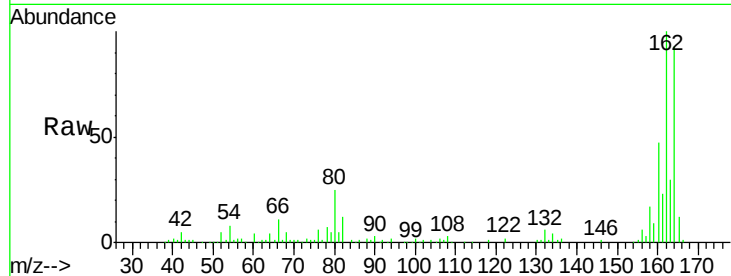




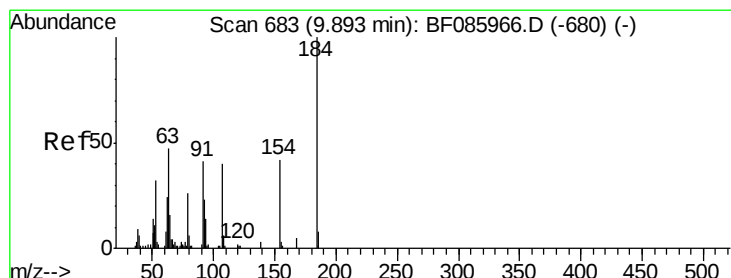
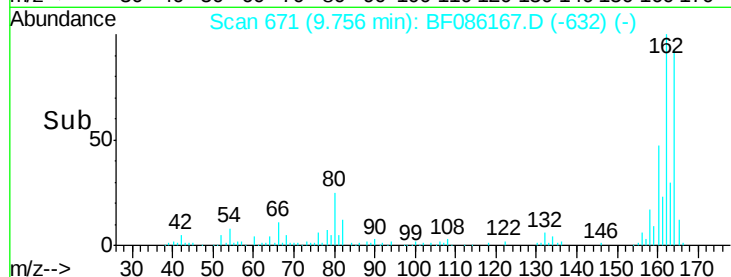
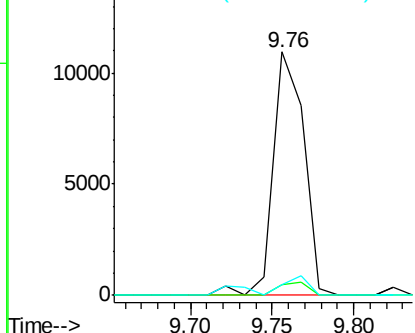
#50
 2,6-Dinitrotoluene
 Concen: 8.30 ng
 RT: 9.76 min Scan# 671
 Delta R.T. 0.15 min
 Lab File: BF086167.D
 Acq: 8 Apr 2016 14:43

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

Tgt Ion	Ratio	Lower	Upper
165	100		
63	4.2	51.8	77.8#
89	4.4	53.7	80.5#

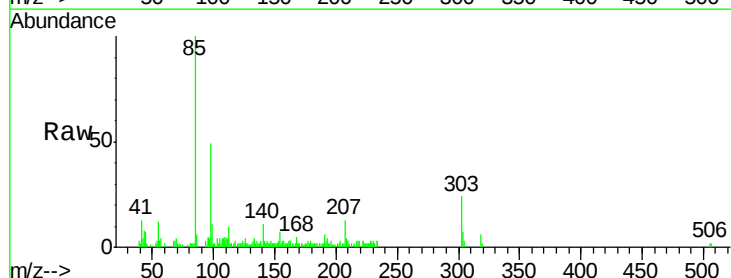


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

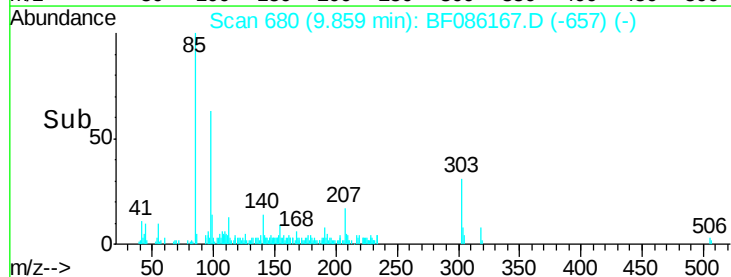
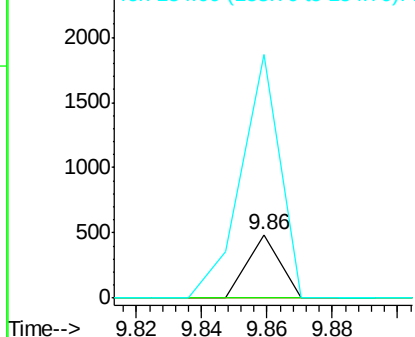


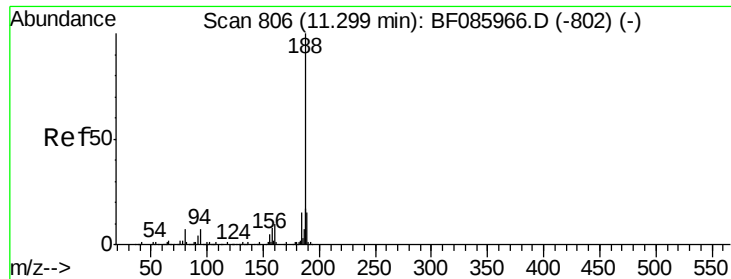
#53
 2,4-Dinitrophenol
 Concen: 2.47 ng
 RT: 9.86 min Scan# 680
 Delta R.T. -0.03 min
 Lab File: BF086167.D
 Acq: 8 Apr 2016 14:43

Tgt Ion	Ratio	Lower	Upper
184	100		
63	0.0	69.5	104.3#
154	381.8	58.3	87.5#



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: 11.24 min Scan# 801

Delta R.T. -0.06 min

Lab File: BF086167.D

Acq: 8 Apr 2016 14:43

Instrument :

BNA_F

ClientSampleId :

PEN-IDW-040116-WATERRE

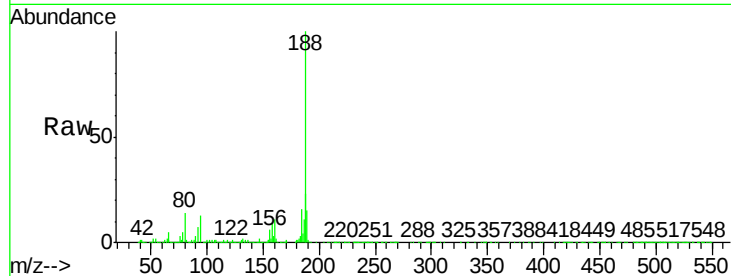
Tgt Ion:188 Resp: 330433

Ion Ratio Lower Upper

188 100

94 12.6 5.4 8.0#

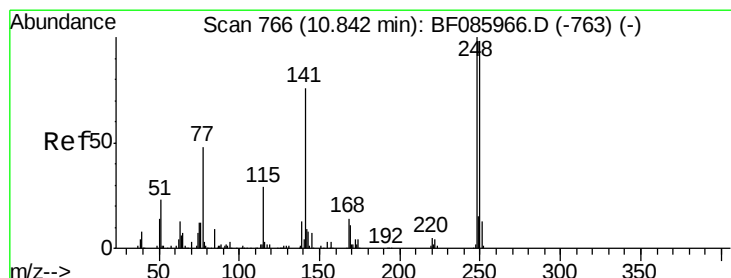
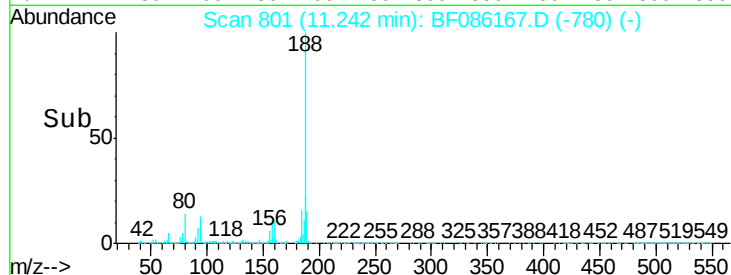
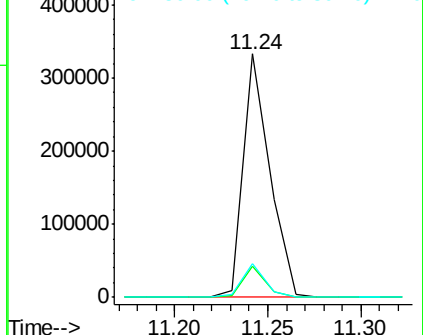
80 13.8 5.5 8.3#



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



#66

4-Bromophenyl-phenylether

Concen: 6.25 ng

RT: 10.56 min Scan# 741

Delta R.T. -0.29 min

Lab File: BF086167.D

Acq: 8 Apr 2016 14:43

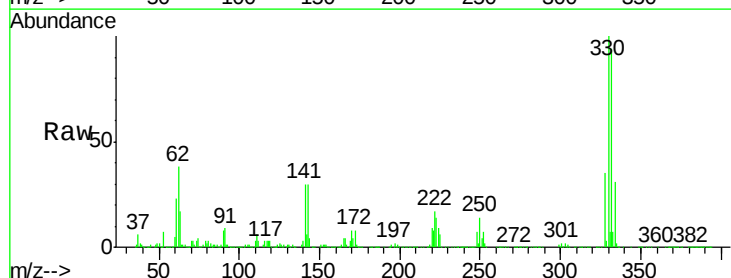
Tgt Ion:248 Resp: 21082

Ion Ratio Lower Upper

248 100

250 206.8 77.4 116.0#

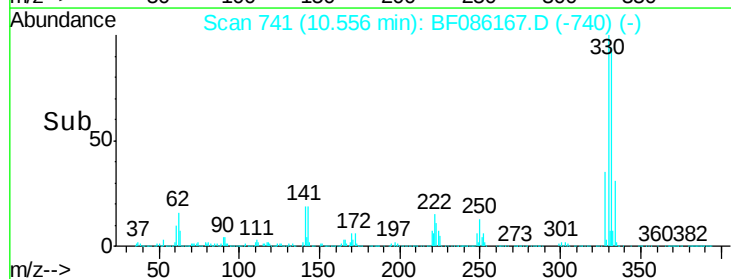
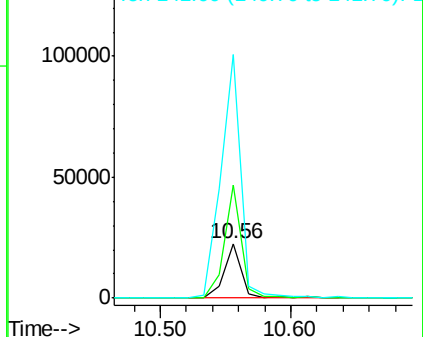
141 447.5 63.6 95.4#

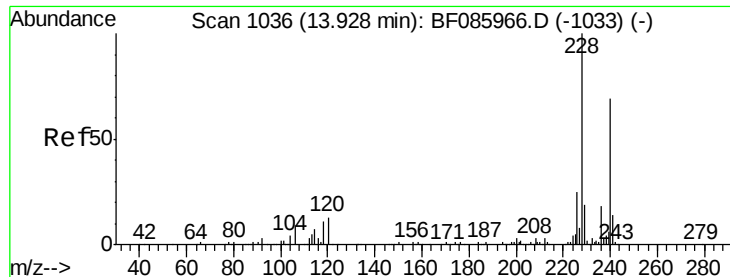


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.05 min

Lab File: BF086167.D

Acq: 8 Apr 2016 14:43

Instrument :

BNA_F

ClientSampleId :

PEN-IDW-040116-WATERRE

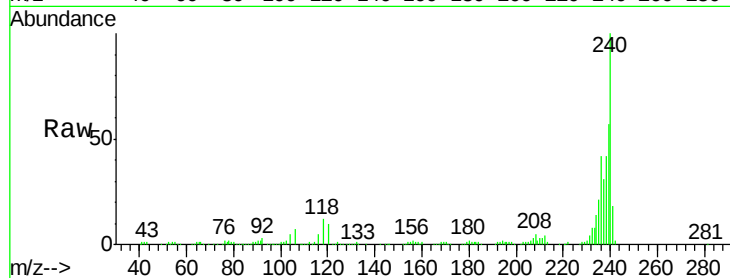
Tgt Ion:240 Resp: 120621

Ion Ratio Lower Upper

240 100

120 9.8 13.8 20.8#

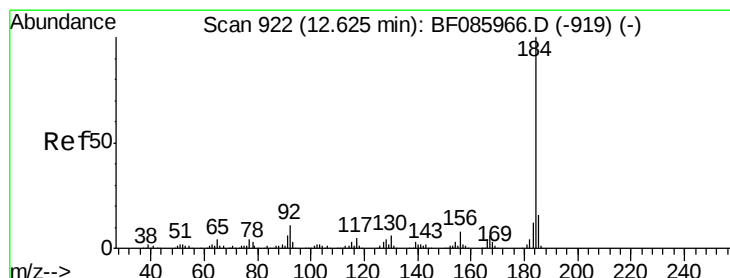
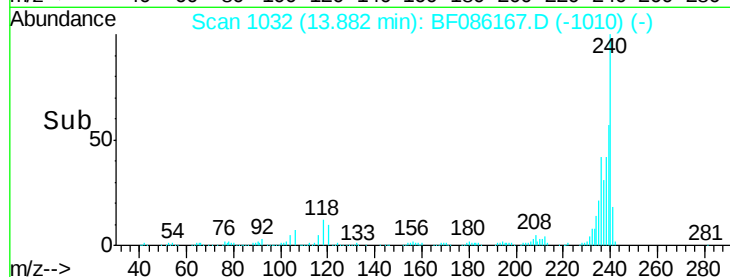
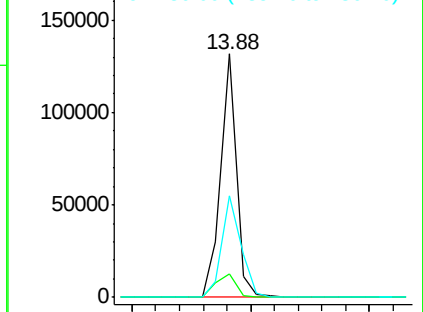
236 41.9 20.6 30.8#



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



#76

Benzidine

Concen: 3.39 ng

RT: 12.83 min Scan# 940

Delta R.T. 0.21 min

Lab File: BF086167.D

Acq: 8 Apr 2016 14:43

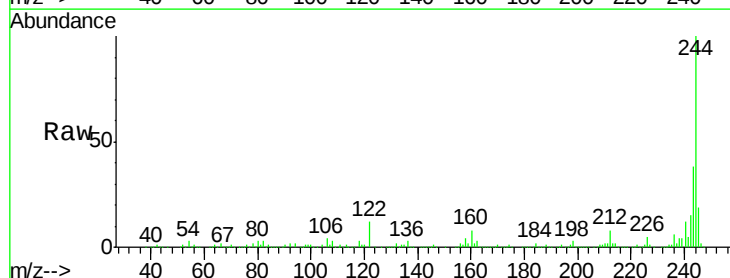
Tgt Ion:184 Resp: 14448

Ion Ratio Lower Upper

184 100

185 19.2 12.4 18.6#

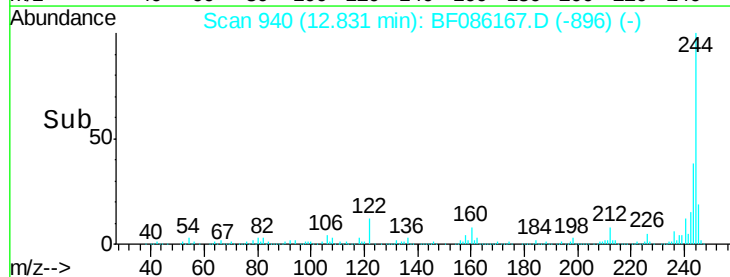
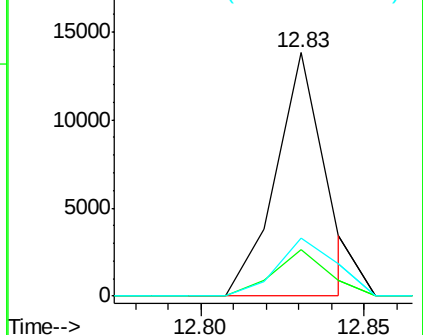
183 23.8 9.4 14.2#

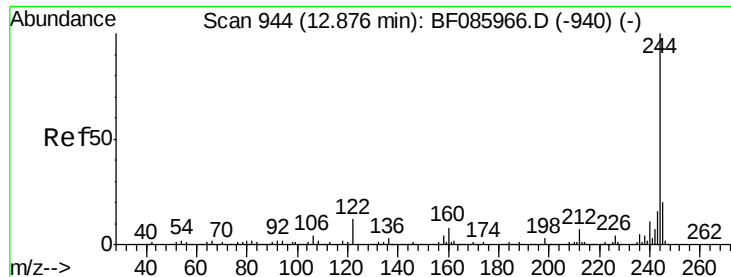


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

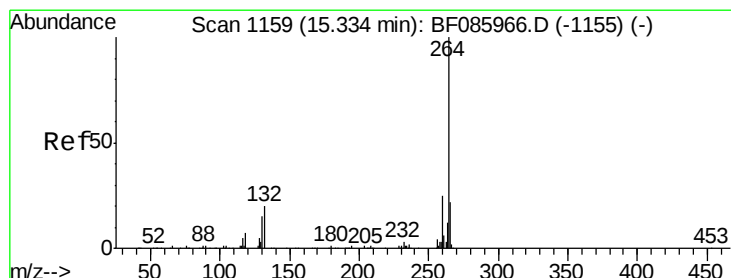
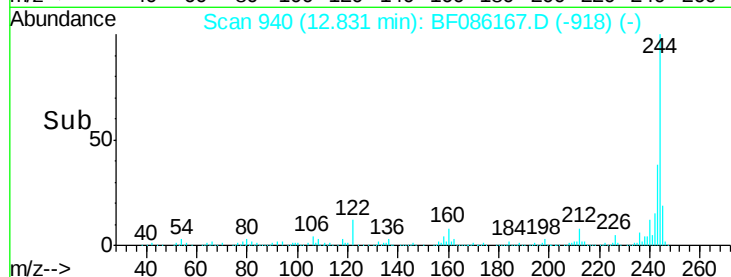
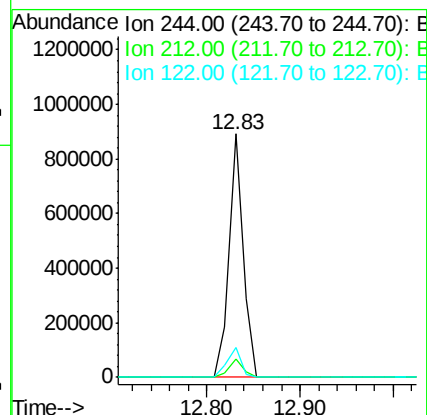
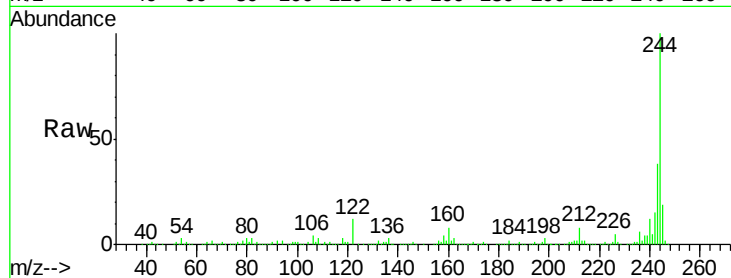




#78
 Terphenyl-d14
 Concen: 184.28 ng
 RT: 12.83 min Scan# 940
 Delta R.T. -0.05 min
 Lab File: BF086167.D
 Acq: 8 Apr 2016 14:43

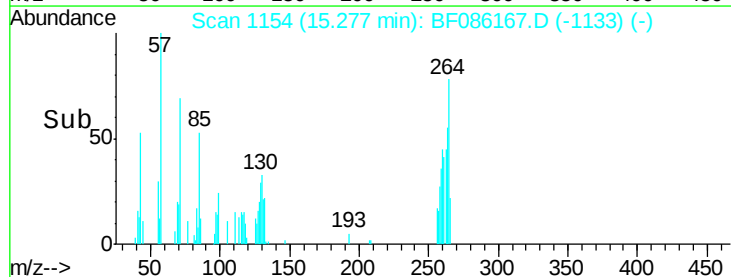
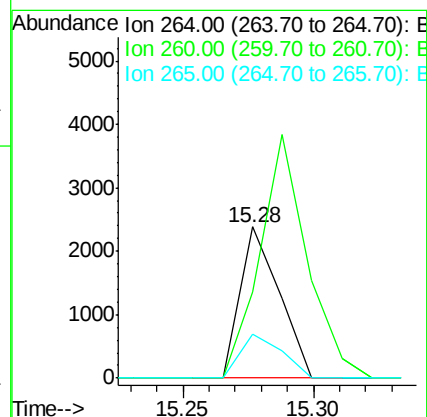
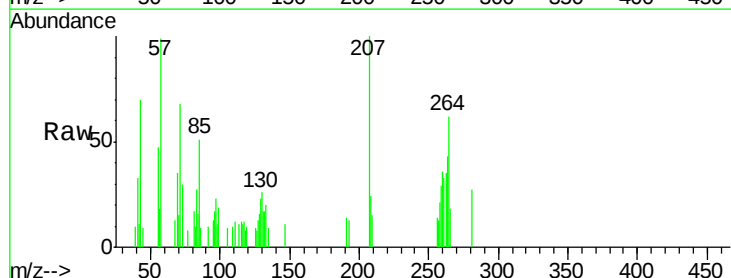
Instrument :
 BNA_F
 ClientSampleId :
 PEN-IDW-040116-WATERRE

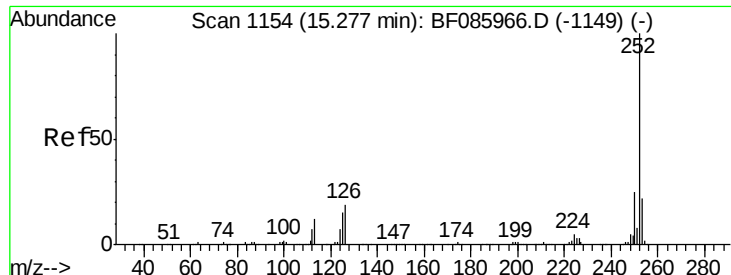
Tgt Ion:244 Resp: 945622
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.1 9.1
 122 12.5 10.2 15.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.28 min Scan# 1154
 Delta R.T. -0.06 min
 Lab File: BF086167.D
 Acq: 8 Apr 2016 14:43

Tgt Ion:264 Resp: 2498
 Ion Ratio Lower Upper
 264 100
 260 57.5 19.4 29.2#
 265 28.7 17.2 25.8#





#89

Benzo(a)pyrene

Concen: 6.74 ng

RT: 15.30 min Scan# 1156

Delta R.T. 0.02 min

Lab File: BF086167.D

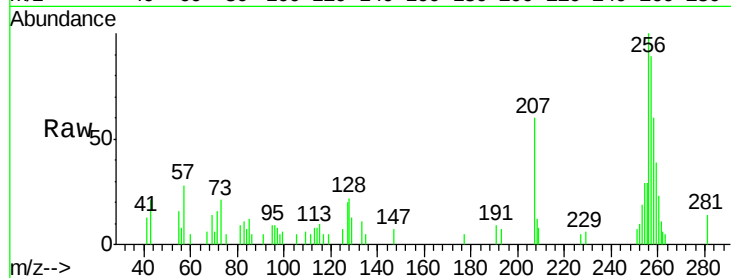
Acq: 8 Apr 2016 14:43

Instrument :

BNA_F

ClientSampleId :

PEN-IDW-040116-WATERRE



Tgt Ion:	252	Resp:	938
Ion	Ratio	Lower	Upper
252	100		
253	192.0	17.4	26.0#
125	72.3	10.3	15.5#

