

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111315\
 Data File : BF082901.D
 Acq On : 13 Nov 2015 17:03
 Operator : UM/IZ
 Sample : G4398-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WASTEWATEREFF

Quant Time: Nov 13 22:23:00 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 07 02:32:49 2015
 Response via : Initial Calibration

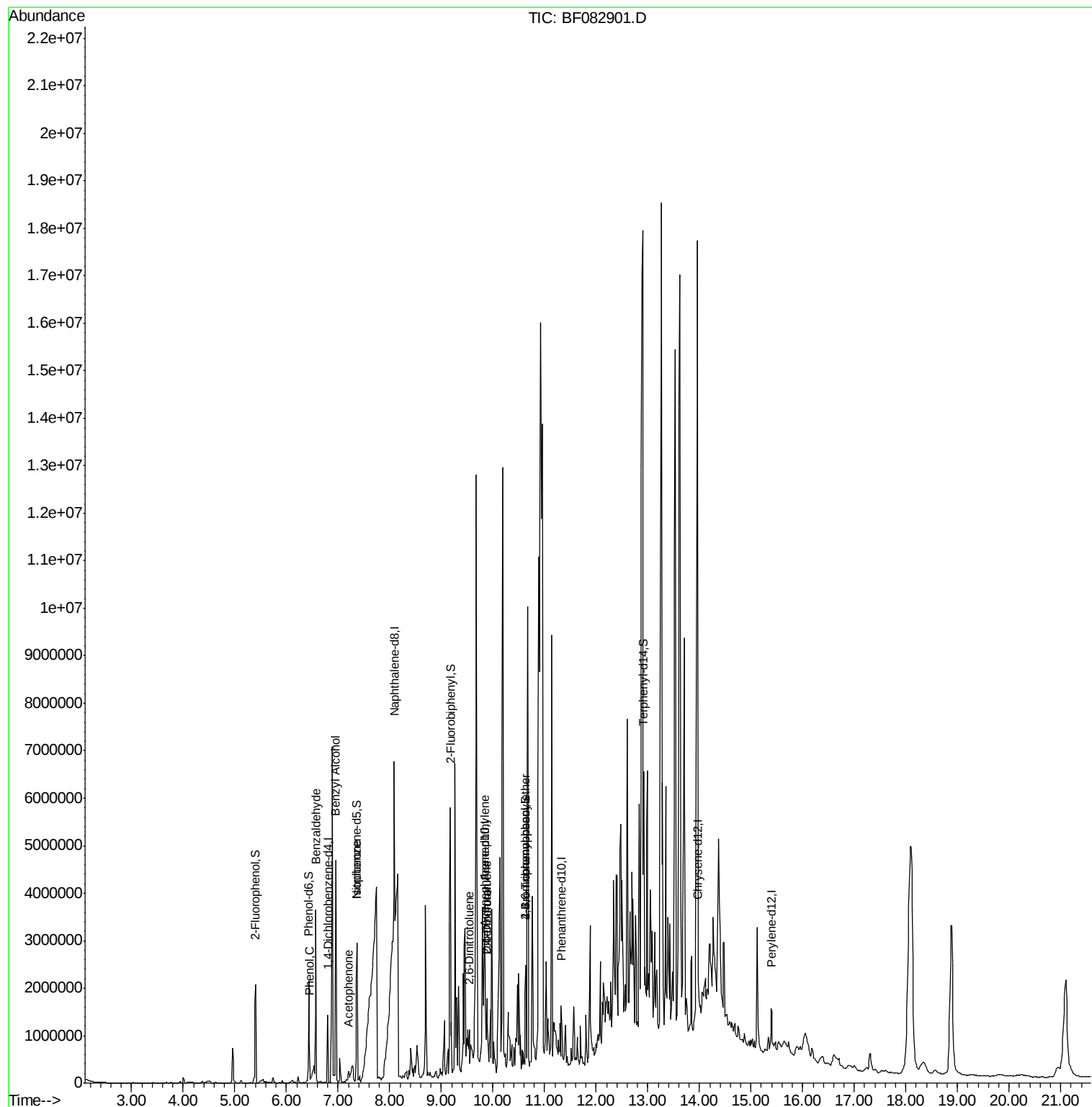
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	190826	20.00	ng	-0.06
21) Naphthalene-d8	8.09	136	610221	20.00	ng	-0.06
38) Acenaphthene-d10	9.85	164	340581	20.00	ng	-0.05
63) Phenanthrene-d10	11.32	188	569076	20.00	ng	-0.06
75) Chrysene-d12	13.97	240	371495	20.00	ng	-0.05
86) Perylene-d12	15.40	264	415851	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	749635	61.12	ng	-0.05
7) Phenol-d6	6.43	99	707501	43.39	ng	-0.05
23) Nitrobenzene-d5	7.37	82	1347183	96.06	ng	-0.04
41) 2,4,6-Tribromophenol	10.64	330	291665	74.69	ng	-0.04
44) 2-Fluorobiphenyl	9.17	172	2083891	87.69	ng	-0.05
78) Terphenyl-d14	12.92	244	1575334	100.58	ng	-0.04
Target Compounds						Qvalue
9) Benzaldehyde	6.57	77	25183	2.80	ng	91
10) Phenol	6.44	94	120790	6.53	ng	85
15) Benzyl Alcohol	6.96	79	30890	2.16	ng	# 66
22) Acetophenone	7.21	105	39447	2.26	ng	95
25) Isophorone	7.37	82	1237771	47.70	ng	# 70
48) Acenaphthylene	9.84	152	205093	5.74	ng	# 50
50) 2,6-Dinitrotoluene	9.54	165	12224	2.05	ng	# 38
54) Dibenzofuran	9.88	168	349995	11.46	ng	# 52
56) 2,4-Dinitrotoluene	9.88	165	111095	13.75	ng	# 42
66) 4-Bromophenyl-phenylether	10.64	248	20584	3.00	ng	# 1

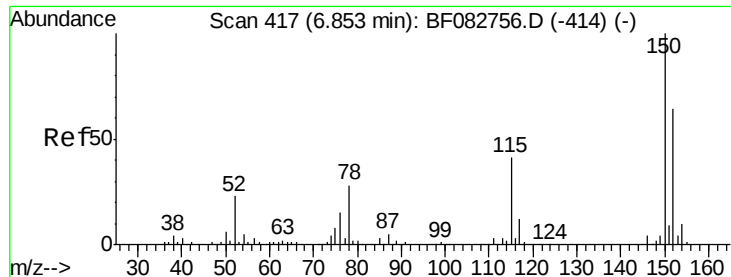
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 412

Delta R.T. -0.06 min

Lab File: BF082901.D

Acq: 13 Nov 2015 17:03

Instrument :

BNA_F

ClientSampleId :

WASTEWATEREFF

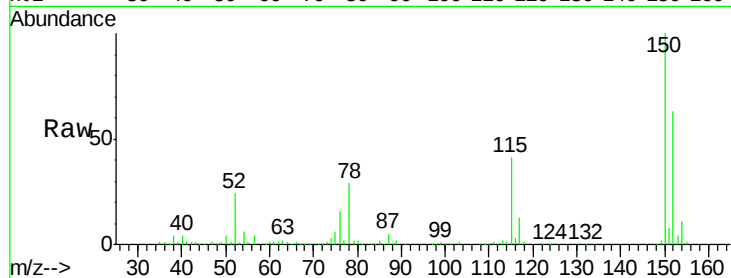
Tgt Ion:152 Resp: 190826

Ion Ratio Lower Upper

152 100

150 159.1 127.0 190.4

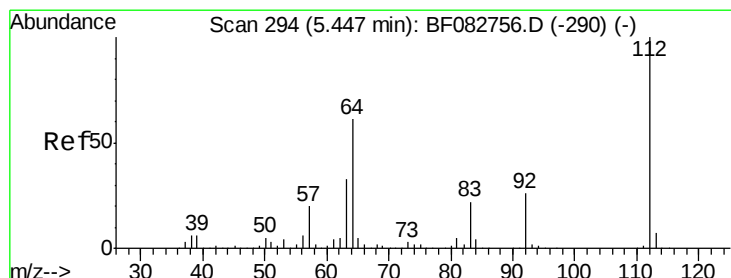
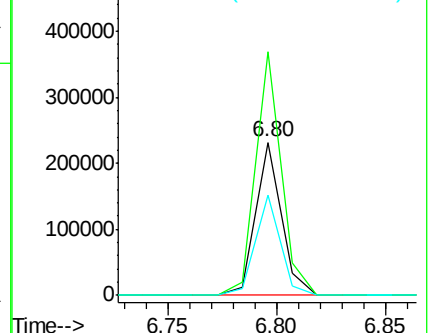
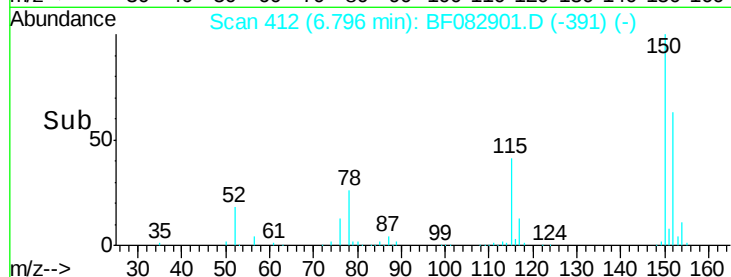
115 65.6 47.0 70.6



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



#5

2-Fluorophenol

Concen: 61.12 ng

RT: 5.40 min Scan# 290

Delta R.T. -0.05 min

Lab File: BF082901.D

Acq: 13 Nov 2015 17:03

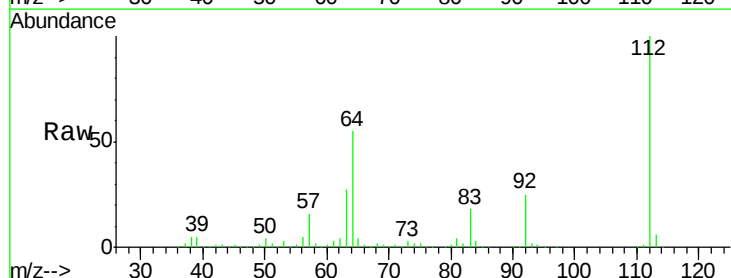
Tgt Ion:112 Resp: 749635

Ion Ratio Lower Upper

112 100

64 55.1 48.9 73.3

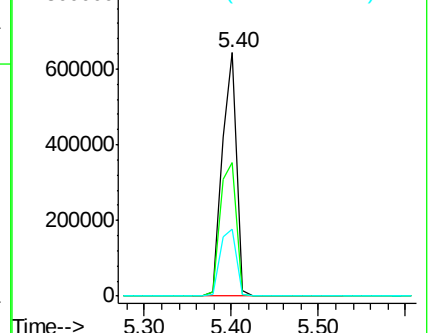
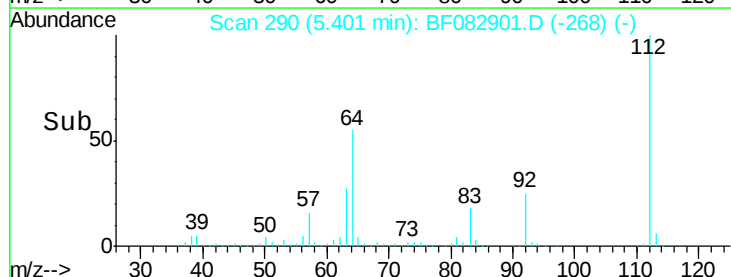
63 27.3 28.1 42.1#

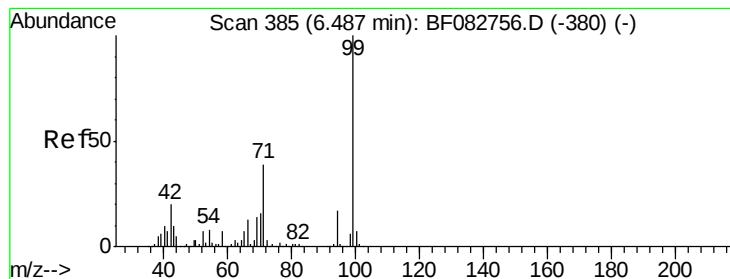


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 43.39 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.05 min

Lab File: BF082901.D

Acq: 13 Nov 2015 17:03

Instrument :

BNA_F

ClientSampleId :

WASTEWATEREFF

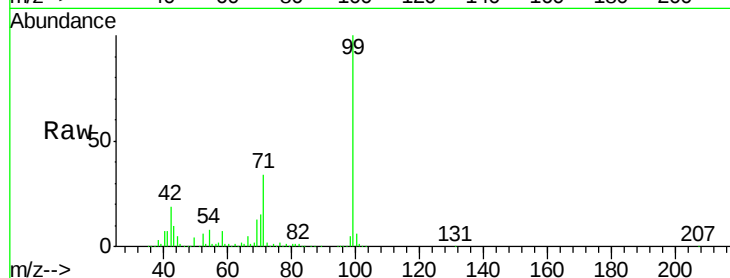
Tgt Ion: 99 Resp: 707501

Ion Ratio Lower Upper

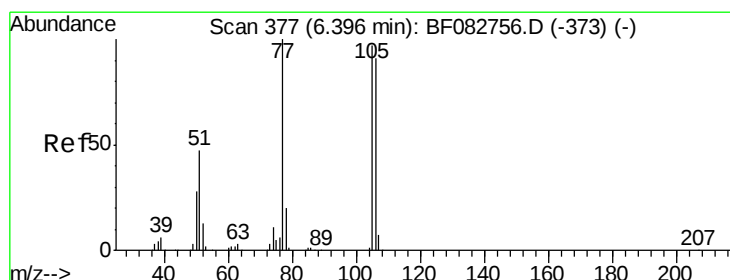
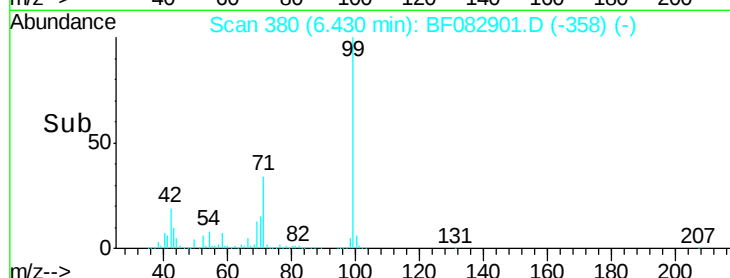
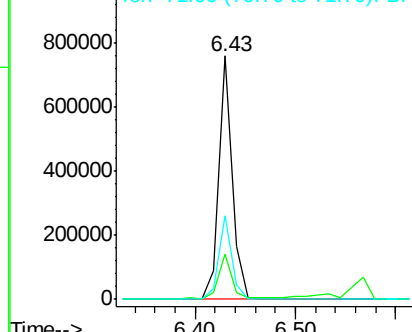
99 100

42 18.8 19.2 28.8#

71 34.4 35.0 52.4#



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



#9

Benzaldehyde

Concen: 2.80 ng

RT: 6.57 min Scan# 392

Delta R.T. 0.17 min

Lab File: BF082901.D

Acq: 13 Nov 2015 17:03

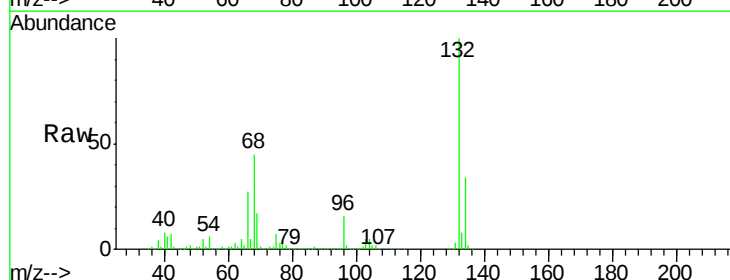
Tgt Ion: 77 Resp: 25183

Ion Ratio Lower Upper

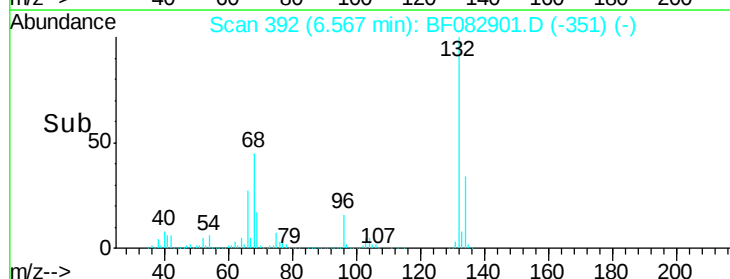
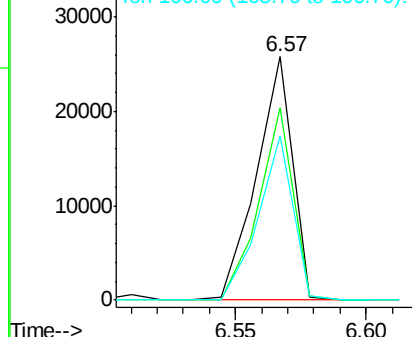
77 100

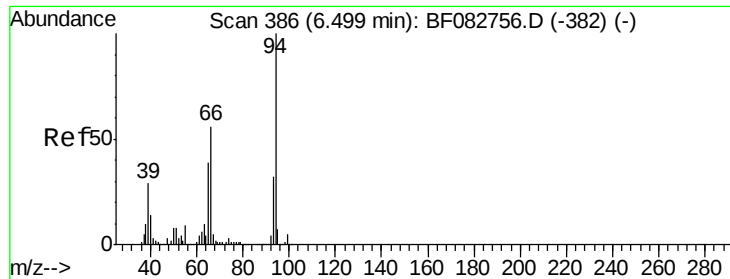
105 78.8 63.5 103.5

106 67.2 59.3 99.3



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 6.53 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.05 min

Lab File: BF082901.D

Acq: 13 Nov 2015 17:03

Instrument :

BNA_F

ClientSampleId :

WASTEWATEREFF

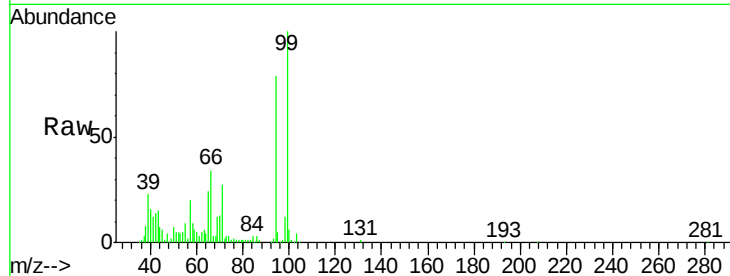
Tgt Ion: 94 Resp: 120790

Ion Ratio Lower Upper

94 100

65 31.2 18.9 58.9

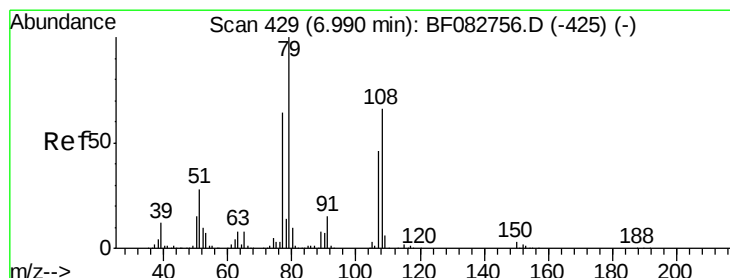
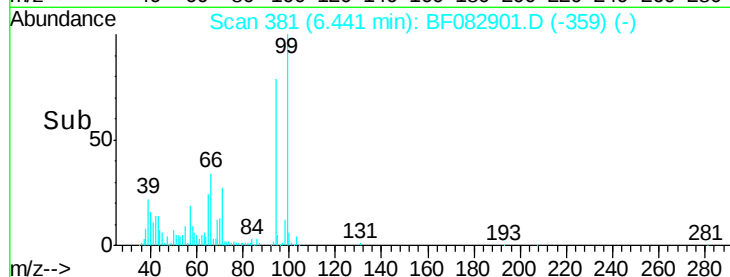
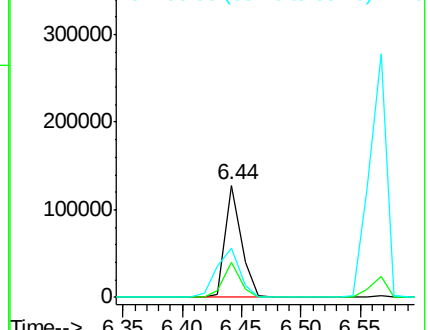
66 43.5 34.9 74.9



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#15

Benzyl Alcohol

Concen: 2.16 ng

RT: 6.96 min Scan# 426

Delta R.T. -0.03 min

Lab File: BF082901.D

Acq: 13 Nov 2015 17:03

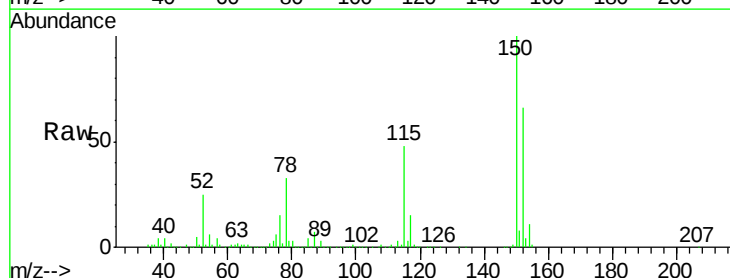
Tgt Ion: 79 Resp: 30890

Ion Ratio Lower Upper

79 100

108 32.9 52.2 78.4#

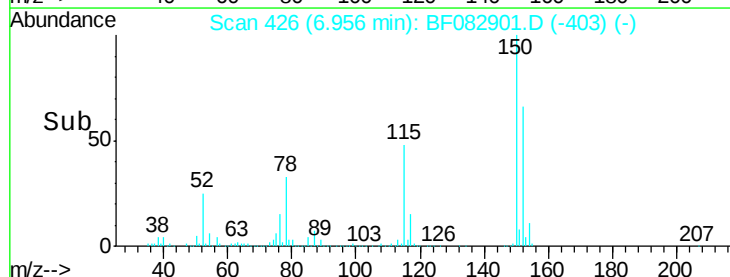
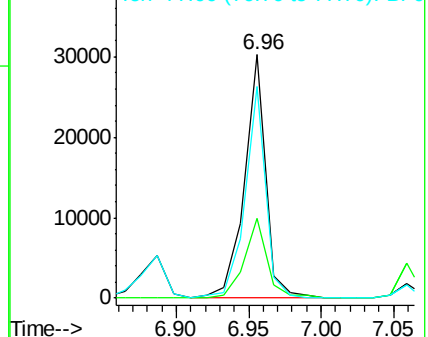
77 86.7 52.7 79.1#

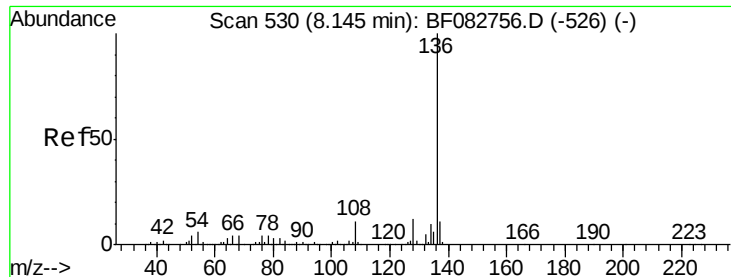


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.06 min

Lab File: BF082901.D

Acq: 13 Nov 2015 17:03

Instrument :

BNA_F

ClientSampleId :

WASTEWATEREFF

Tgt Ion:136 Resp: 610221

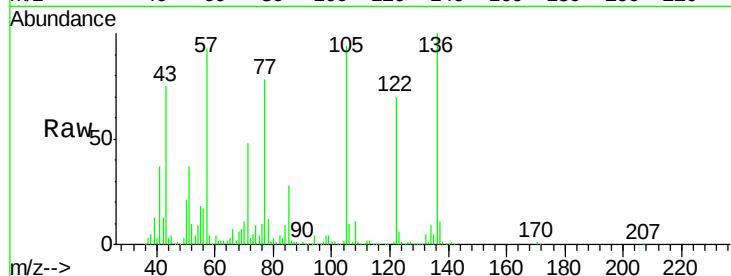
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 9.2 9.1 13.7

68 6.4 4.8 7.2

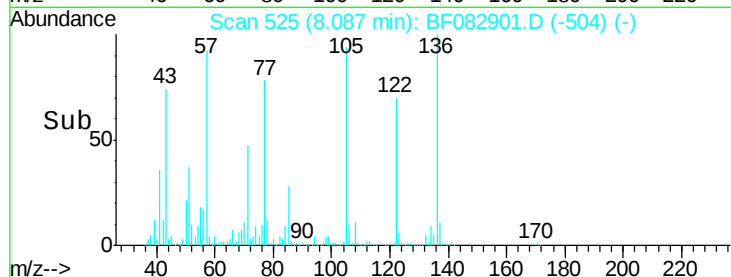


Abundance Ion 136.00 (135.70 to 136.70): E

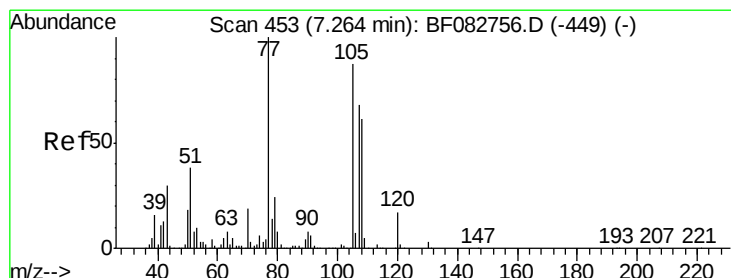
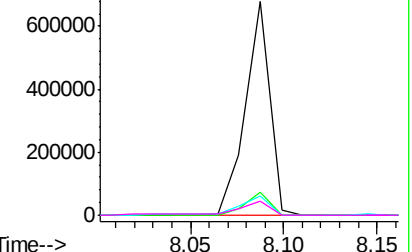
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 2.26 ng

RT: 7.21 min Scan# 448

Delta R.T. -0.06 min

Lab File: BF082901.D

Acq: 13 Nov 2015 17:03

Tgt Ion:105 Resp: 39447

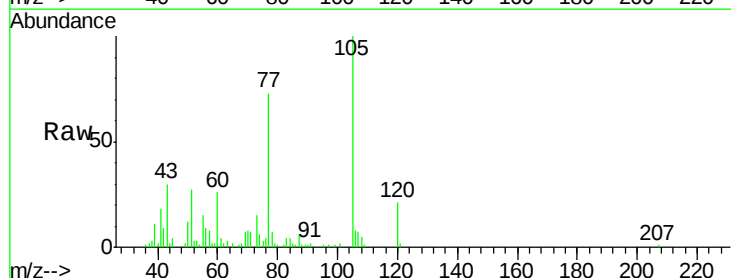
Ion Ratio Lower Upper

105 100

71 7.5 5.6 8.4

51 27.1 24.9 37.3

120 20.6 15.8 23.8

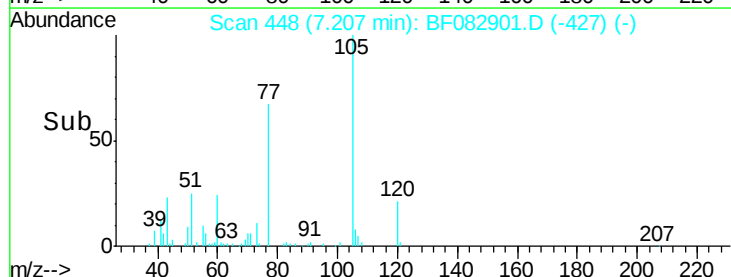


Abundance Ion 105.00 (104.70 to 105.70): E

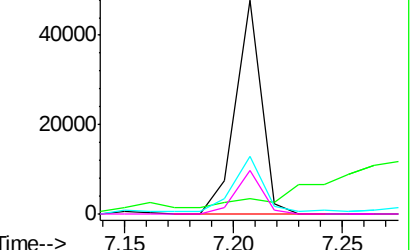
Ion 71.00 (70.70 to 71.70): BF0

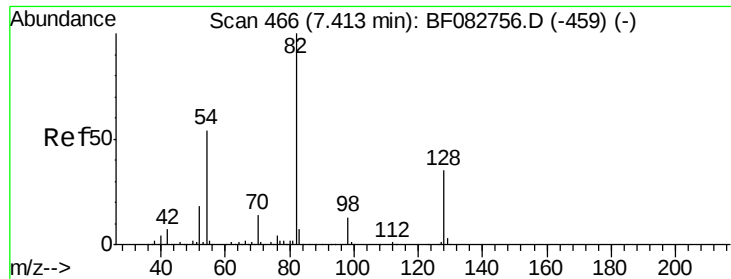
Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



Time-->

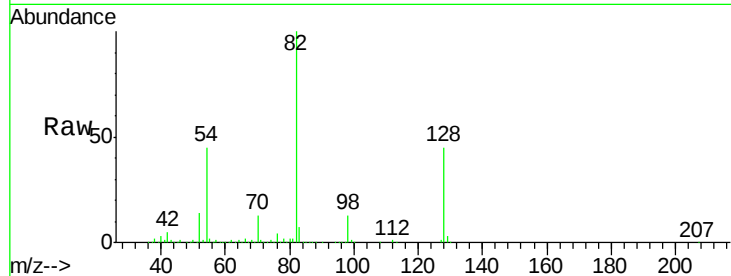




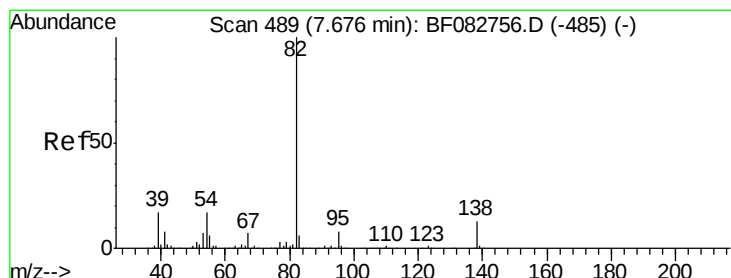
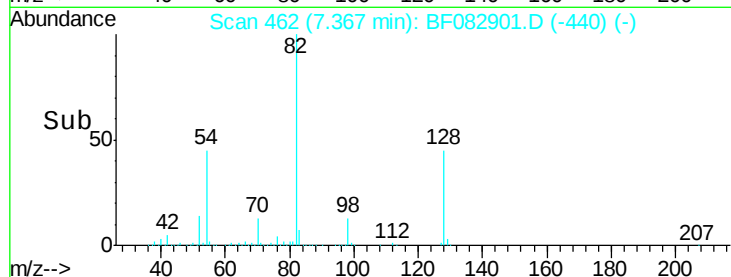
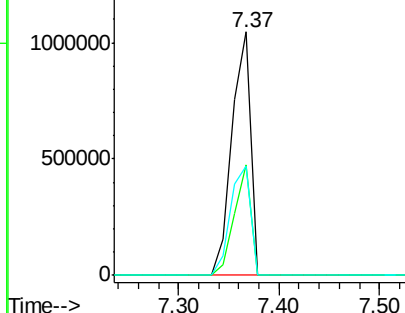
#23
 Nitrobenzene-d5
 Concen: 96.06 ng
 RT: 7.37 min Scan# 462
 Delta R.T. -0.04 min
 Lab File: BF082901.D
 Acq: 13 Nov 2015 17:03

Instrument :
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Tgt Ion: 82 Resp: 1347183
 Ion Ratio Lower Upper
 82 100
 128 45.2 26.8 40.2#
 54 44.7 45.7 68.5#

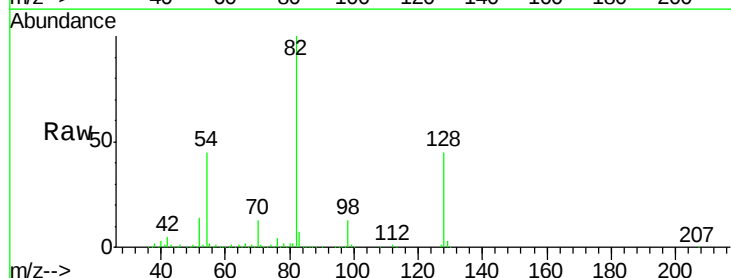


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

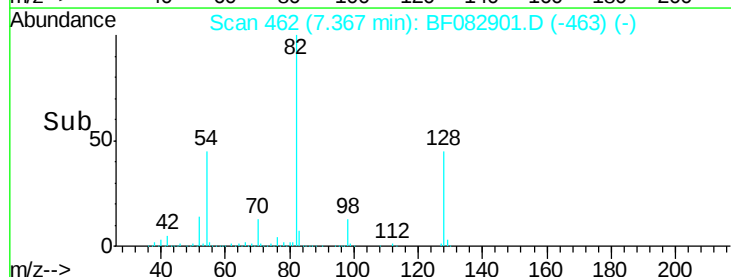
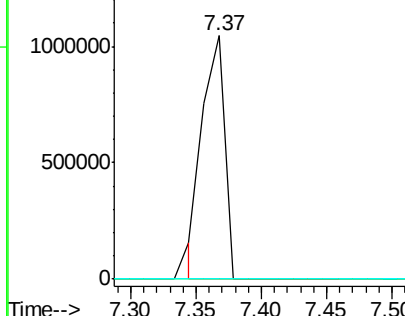


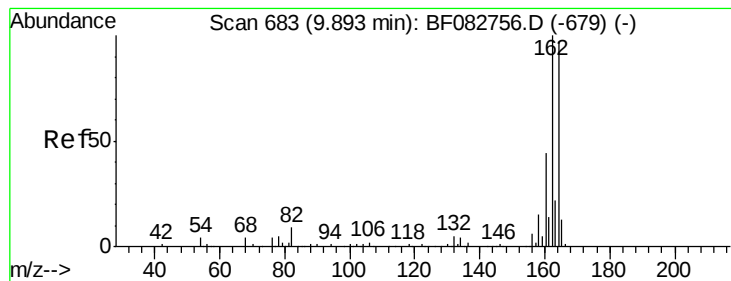
#25
 Isophorone
 Concen: 47.70 ng
 RT: 7.37 min Scan# 462
 Delta R.T. -0.31 min
 Lab File: BF082901.D
 Acq: 13 Nov 2015 17:03

Tgt Ion: 82 Resp: 1237771
 Ion Ratio Lower Upper
 82 100
 95 0.0 6.6 9.8#
 138 0.0 11.4 17.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.05 min

Lab File: BF082901.D

Acq: 13 Nov 2015 17:03

Instrument :

BNA_F

ClientSampleId :

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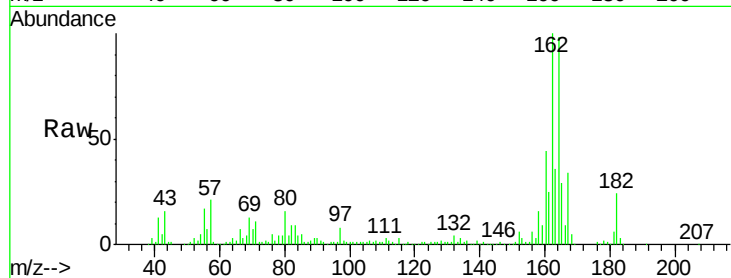
Tgt Ion:164 Resp: 340581

Ion Ratio Lower Upper

164 100

162 102.1 84.9 127.3

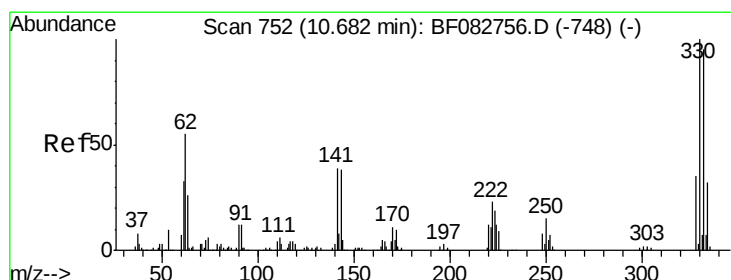
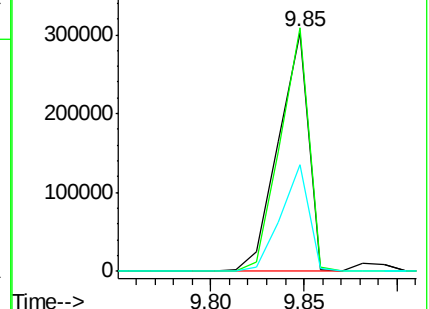
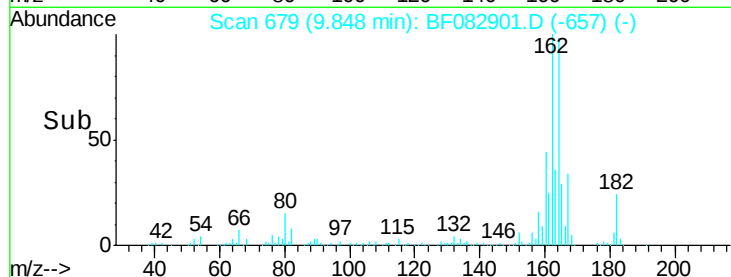
160 44.5 37.5 56.3



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



#41

2,4,6-Tribromophenol

Concen: 74.69 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.04 min

Lab File: BF082901.D

Acq: 13 Nov 2015 17:03

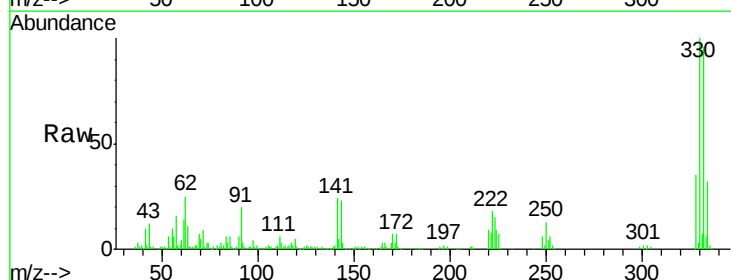
Tgt Ion:330 Resp: 291665

Ion Ratio Lower Upper

330 100

332 95.6 76.6 114.8

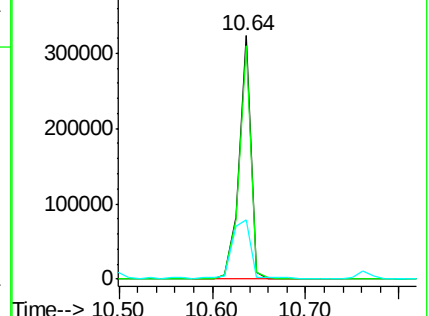
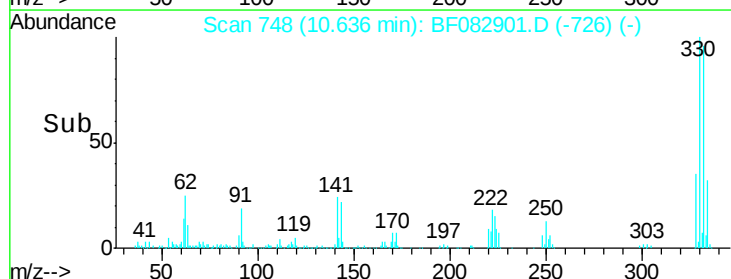
141 36.7 41.2 61.8#

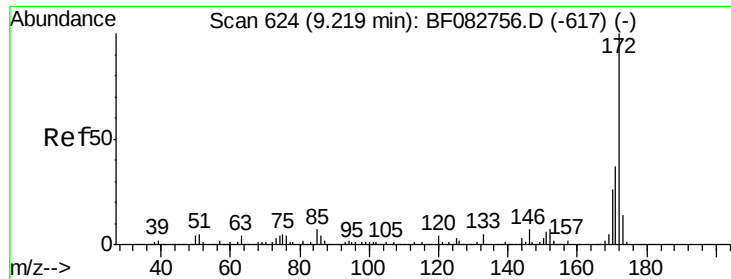


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 87.69 ng

RT: 9.17 min Scan# 620

Delta R.T. -0.05 min

Lab File: BF082901.D

Acq: 13 Nov 2015 17:03

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WASTEWATEREFF

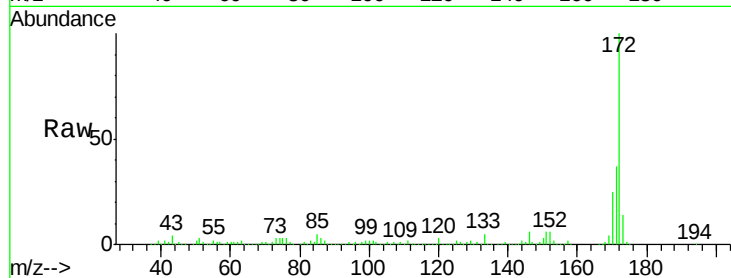
Tgt Ion:172 Resp: 2083891

Ion Ratio Lower Upper

172 100

171 37.0 30.8 46.2

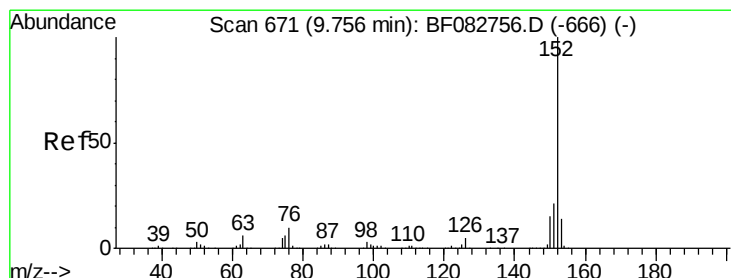
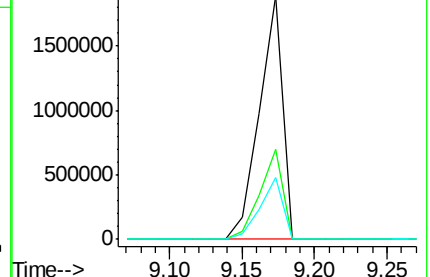
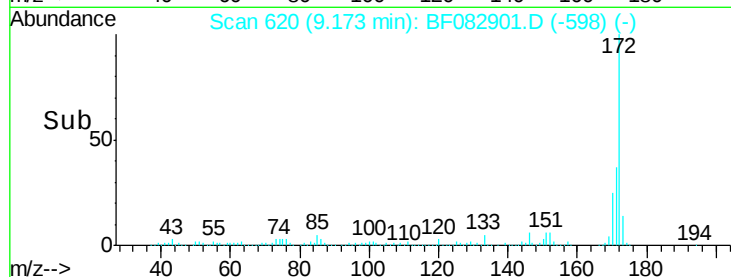
170 25.5 21.2 31.8



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



#48

Acenaphthylene

Concen: 5.74 ng

RT: 9.84 min Scan# 678

Delta R.T. 0.08 min

Lab File: BF082901.D

Acq: 13 Nov 2015 17:03

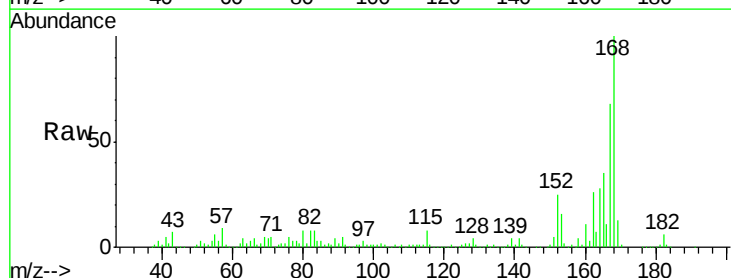
Tgt Ion:152 Resp: 205093

Ion Ratio Lower Upper

152 100

151 19.8 17.3 25.9

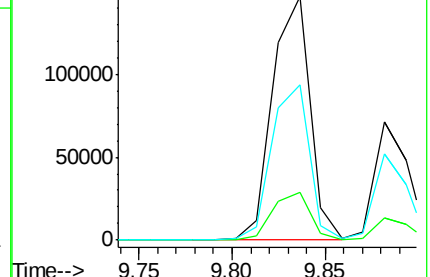
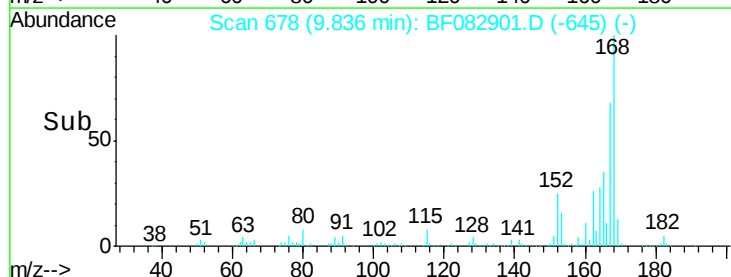
153 63.8 11.3 16.9#

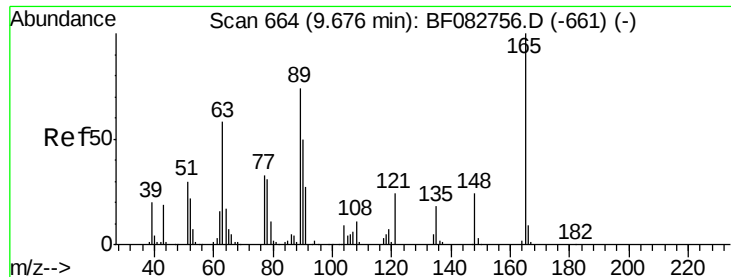


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

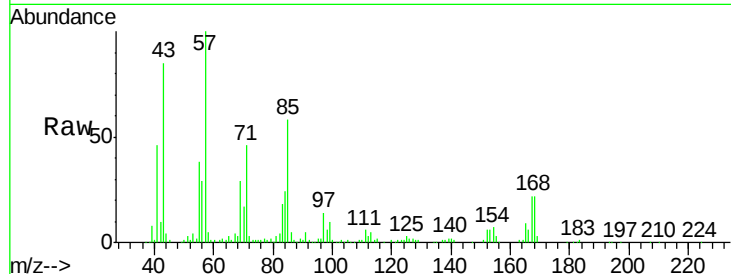




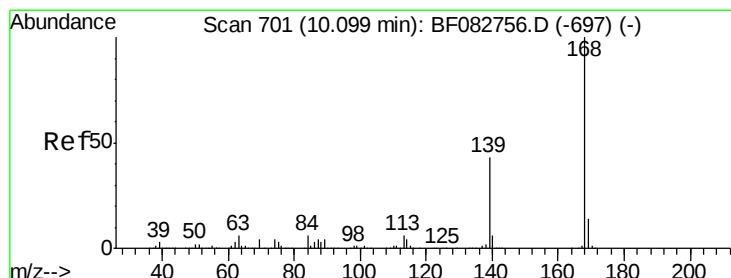
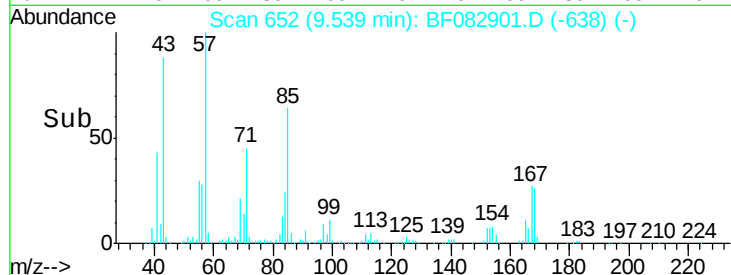
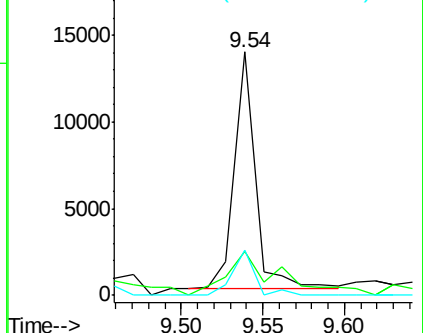
#50
2,6-Dinitrotoluene
Concen: 2.05 ng
RT: 9.54 min Scan# 652
Delta R.T. -0.14 min
Lab File: BF082901.D
Acq: 13 Nov 2015 17:03

Instrument :
BNA_F
ClientSampleId :
WASTEWATEREFF

Tgt Ion:165 Resp: 12224
Ion Ratio Lower Upper
165 100
63 18.2 55.5 83.3#
89 18.6 55.0 82.6#

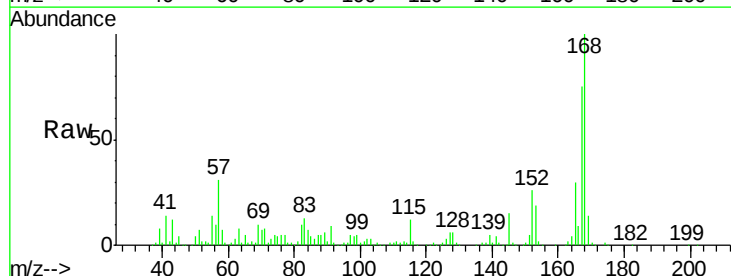


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

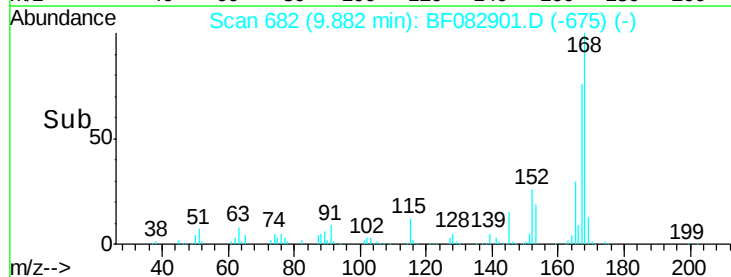
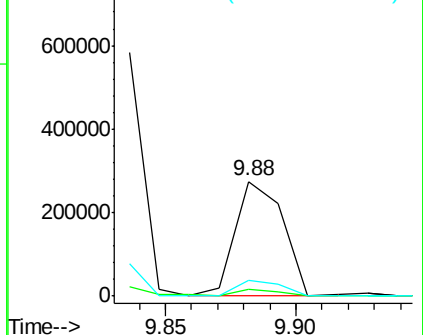


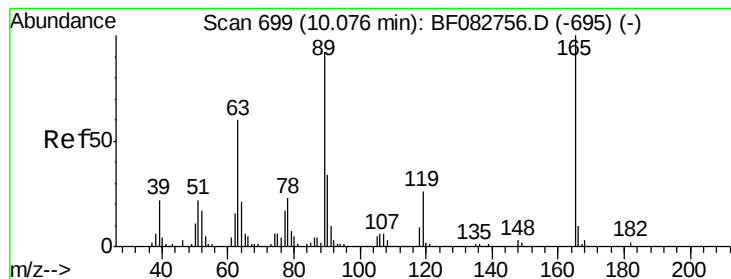
#54
Dibenzofuran
Concen: 11.46 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.22 min
Lab File: BF082901.D
Acq: 13 Nov 2015 17:03

Tgt Ion:168 Resp: 349995
Ion Ratio Lower Upper
168 100
139 5.4 37.8 56.6#
169 13.8 11.3 16.9



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#56

2,4-Dinitrotoluene

Concen: 13.75 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.19 min

Lab File: BF082901.D

Acq: 13 Nov 2015 17:03

Instrument :

BNA_F

ClientSampleId :

WASTEWATEREFF

Tgt Ion:165 Resp: 111095

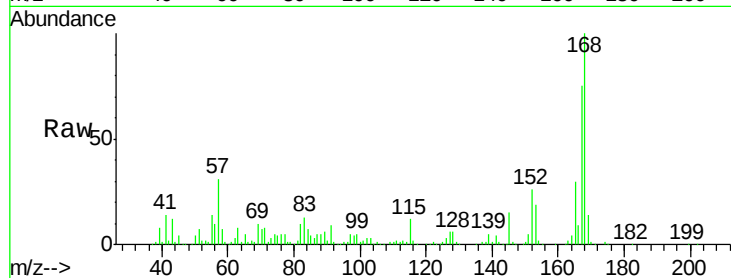
Ion Ratio Lower Upper

165 100

63 28.6 43.4 65.0#

89 20.9 70.6 106.0#

182 0.5 1.5 2.3#

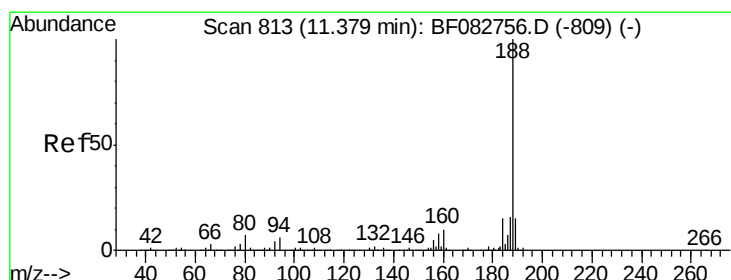
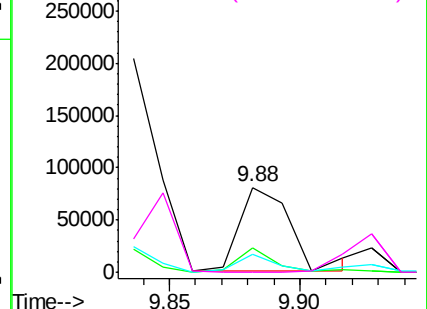
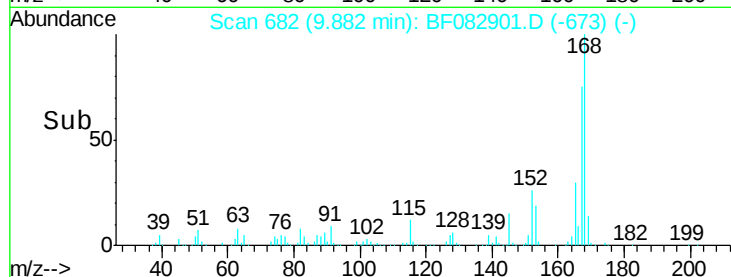


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 808

Delta R.T. -0.06 min

Lab File: BF082901.D

Acq: 13 Nov 2015 17:03

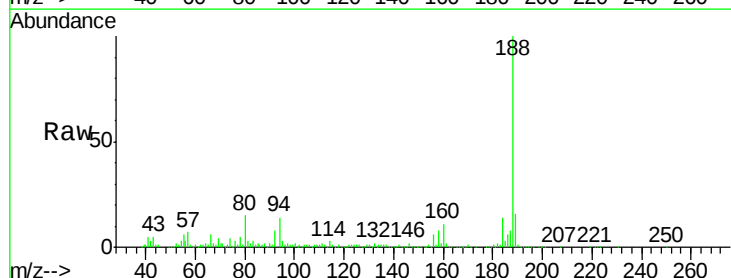
Tgt Ion:188 Resp: 569076

Ion Ratio Lower Upper

188 100

94 13.5 6.1 9.1#

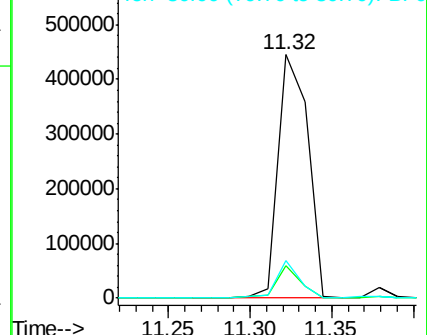
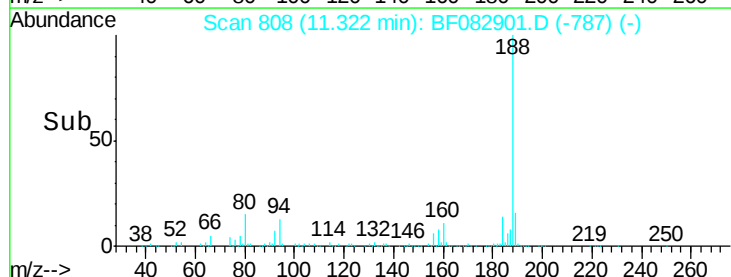
80 15.5 7.0 10.6#

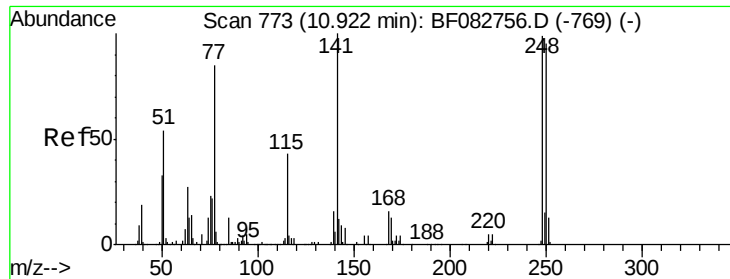


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

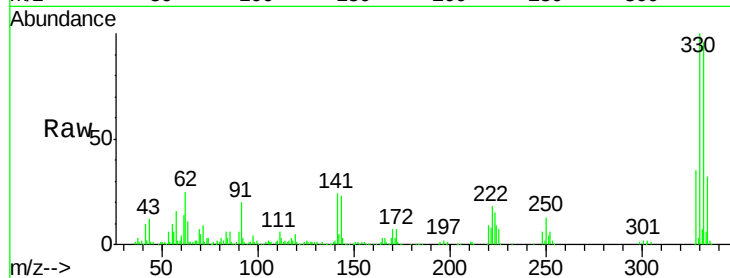




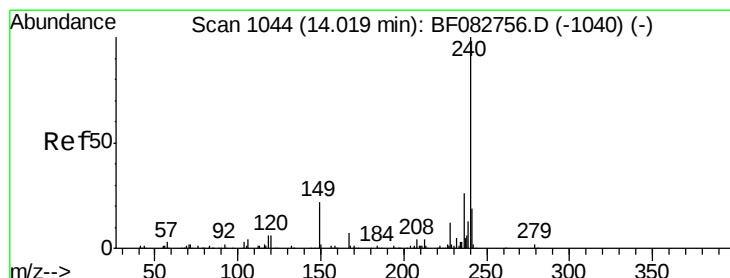
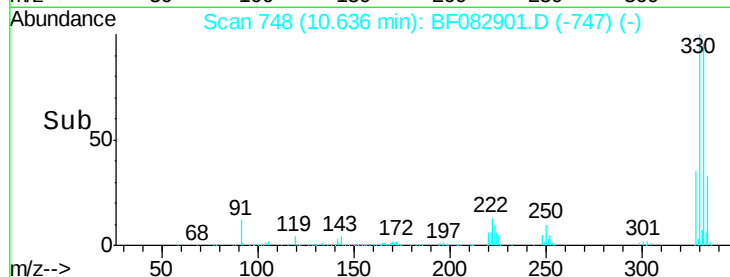
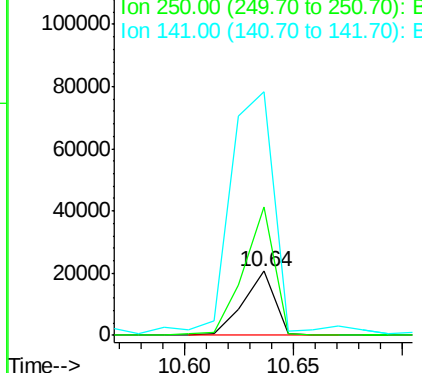
#66
4-Bromophenyl-phenylether
Concen: 3.00 ng
RT: 10.64 min Scan# 748
Delta R.T. -0.29 min
Lab File: BF082901.D
Acq: 13 Nov 2015 17:03

Instrument :
BNA_F
ClientSampleId :
WASTEWATEREFF

Tgt Ion:248 Resp: 20584
Ion Ratio Lower Upper
248 100
250 199.0 79.4 119.2#
141 379.0 36.3 54.5#

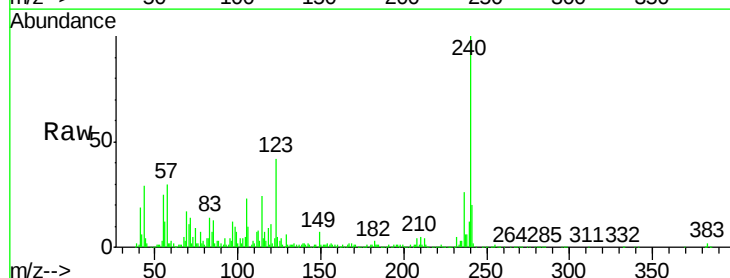


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

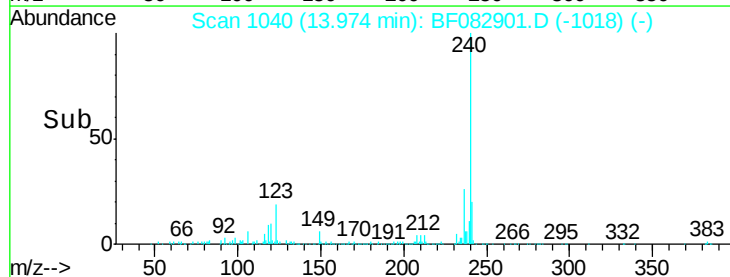
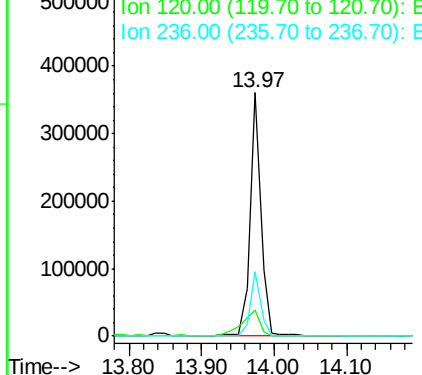


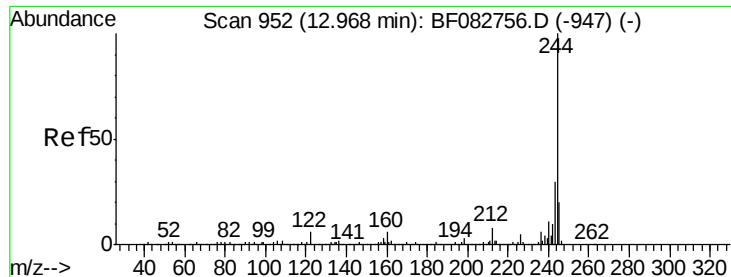
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.97 min Scan# 1040
Delta R.T. -0.05 min
Lab File: BF082901.D
Acq: 13 Nov 2015 17:03

Tgt Ion:240 Resp: 371495
Ion Ratio Lower Upper
240 100
120 10.7 10.9 16.3#
236 26.3 21.6 32.4



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: 100.58 ng

RT: 12.92 min Scan# 948

Delta R.T. -0.04 min

Lab File: BF082901.D

Acq: 13 Nov 2015 17:03

Instrument :

BNA_F

ClientSampleId :

WASTEWATEREFF

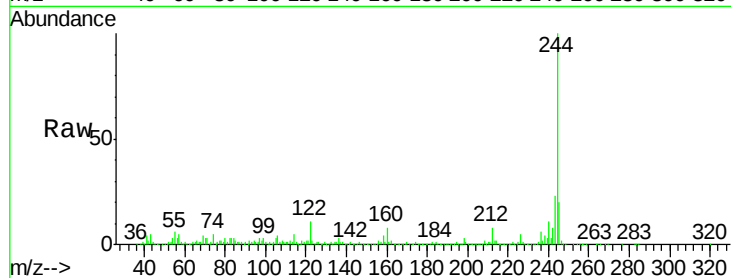
Tgt Ion:244 Resp: 1575334

Ion Ratio Lower Upper

244 100

212 8.0 7.6 11.4

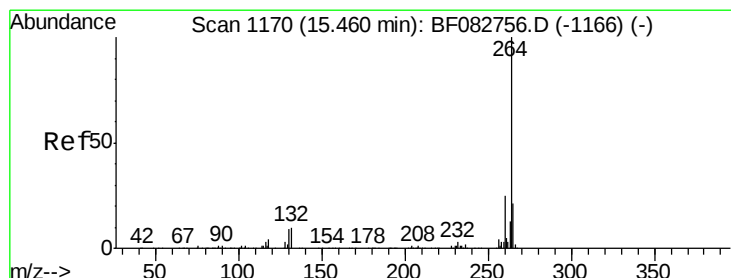
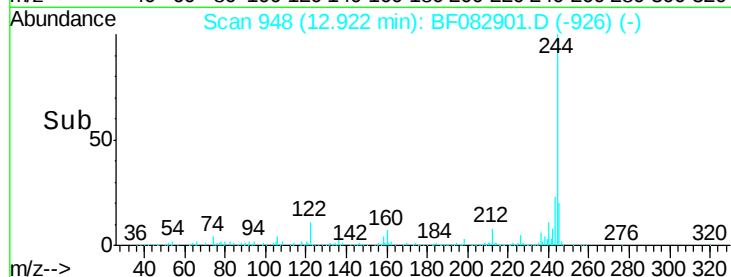
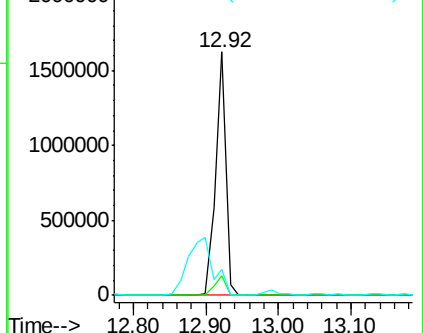
122 10.9 11.3 16.9#



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: 15.40 min Scan# 1165

Delta R.T. -0.06 min

Lab File: BF082901.D

Acq: 13 Nov 2015 17:03

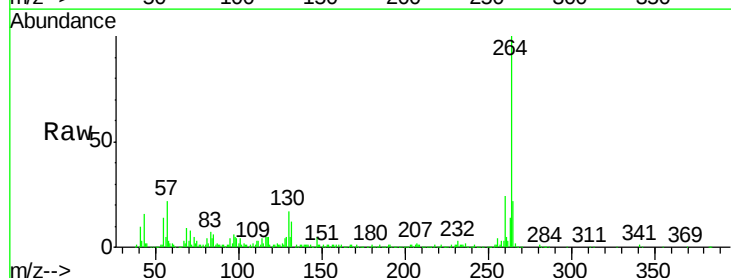
Tgt Ion:264 Resp: 415851

Ion Ratio Lower Upper

264 100

260 23.7 19.8 29.6

265 21.7 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

