

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051316\
 Data File : BF087021.D
 Acq On : 14 May 2016 15:44
 Operator : UM/SJ
 Sample : H2990-06
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OWL-C8-GW

Quant Time: May 16 01:06:53 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 13 14:55:23 2016
 Response via : Initial Calibration

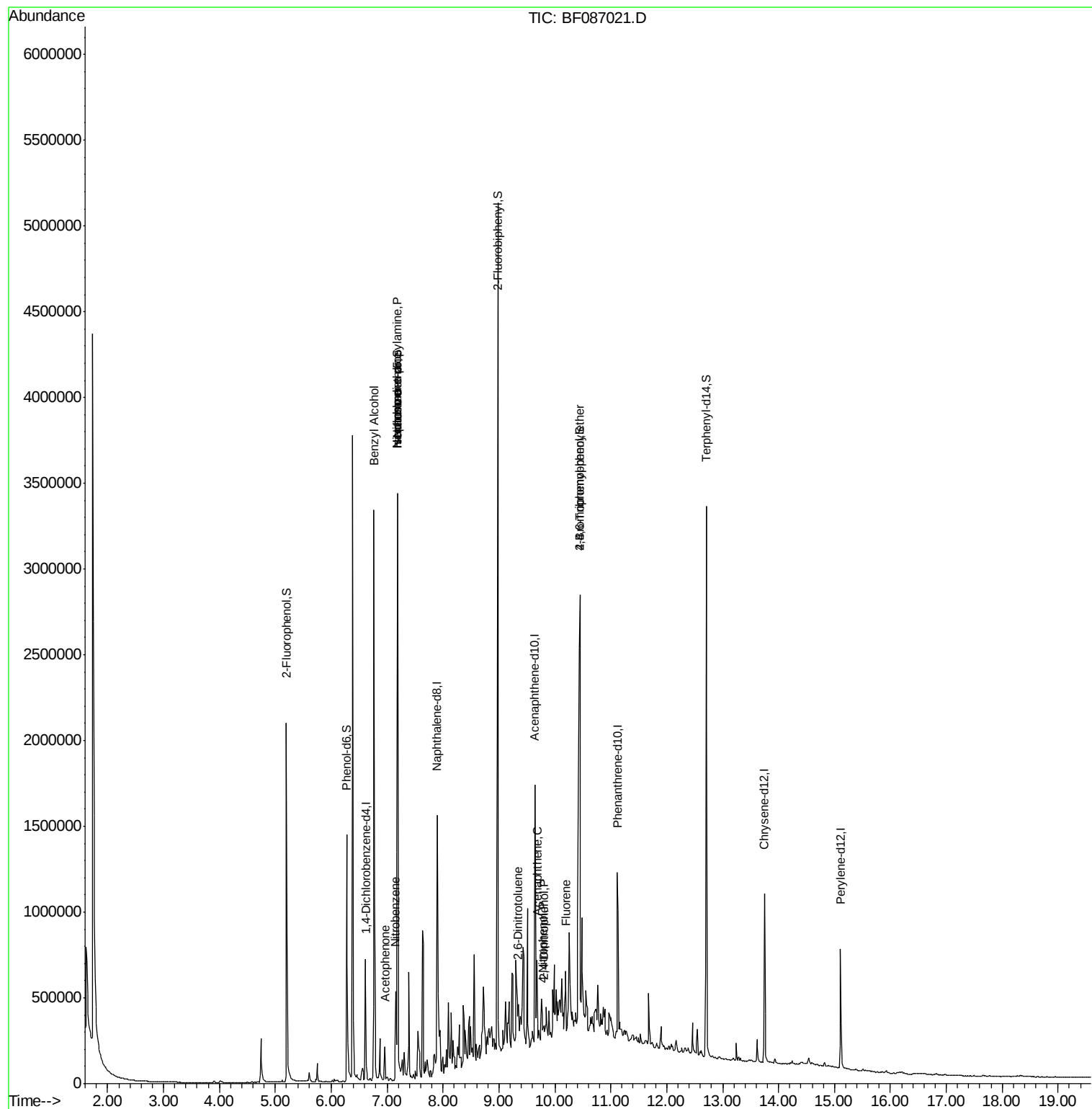
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	140627	20.00	ng	-0.08
21) Naphthalene-d8	7.90	136	563713	20.00	ng	-0.09
38) Acenaphthene-d10	9.64	164	267805	20.00	ng	-0.09
63) Phenanthrene-d10	11.12	188	460333	20.00	ng	-0.09
75) Chrysene-d12	13.75	240	333496	20.00	ng	-0.09
86) Perylene-d12	15.11	264	280242	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	591579	71.24	ng	-0.09
7) Phenol-d6	6.27	99	559715	50.43	ng	-0.09
23) Nitrobenzene-d5	7.19	82	990517	88.23	ng	-0.08
41) 2,4,6-Tribromophenol	10.44	330	432076	152.40	ng	-0.08
44) 2-Fluorobiphenyl	8.98	172	1520131	95.40	ng	-0.08
78) Terphenyl-d14	12.71	244	1241269	78.97	ng	-0.09
Target Compounds						Qvalue
15) Benzyl Alcohol	6.76	79	18631	2.43	ng	# 42
18) Hexachloroethane	7.19	117	205767	49.46	ng	# 7
19) n-Nitroso-di-n-propylamine	7.19	70	147892	19.07	ng	# 72
22) Acetophenone	6.96	105	33605	2.52	ng	# 66
24) Nitrobenzene	7.15	77	31247	2.71	ng	# 14
25) Isophorone	7.19	82	966154	46.38	ng	# 68
50) 2,6-Dinitrotoluene	9.35	165	9711	2.26	ng	# 83
51) Acenaphthene	9.68	154	68973	4.52	ng	# 98
53) 2,4-Dinitrophenol	9.80	184	1851	8.45	ng	# 1
55) 4-Nitrophenol	9.79	139	2081	5.21	ng	# 1
57) Fluorene	10.19	166	82468	4.93	ng	# 96
60) 4-Chlorophenyl-phenylether	10.18	204	1076	Below Cal		# 1
66) 4-Bromophenyl-phenylether	10.44	248	26149	5.60	ng	# 1

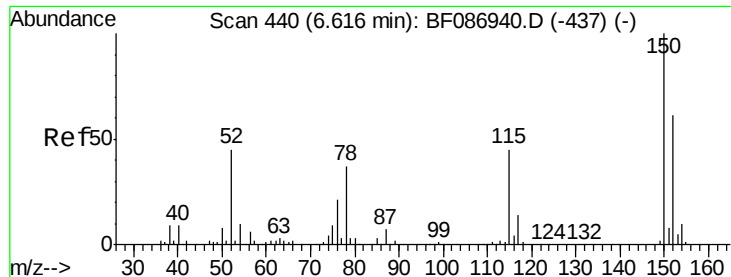
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 440

Delta R.T. -0.08 min

Lab File: BF087021.D

Acq: 14 May 2016 15:44

Instrument :

BNA_F

ClientSampleId :

OWL-C8-GW

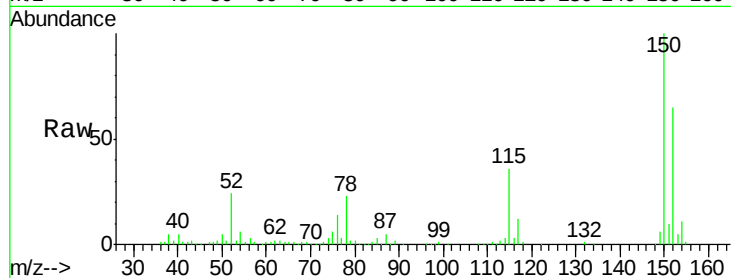
Tgt Ion:152 Resp: 140627

Ion Ratio Lower Upper

152 100

150 153.9 125.8 188.6

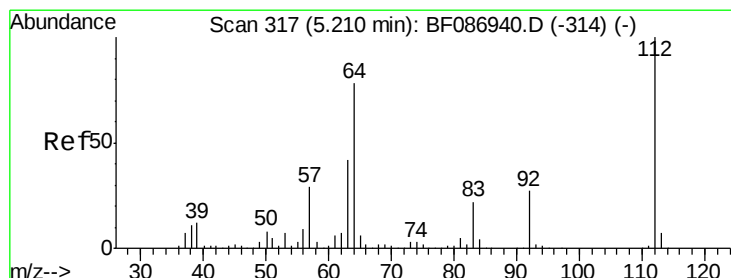
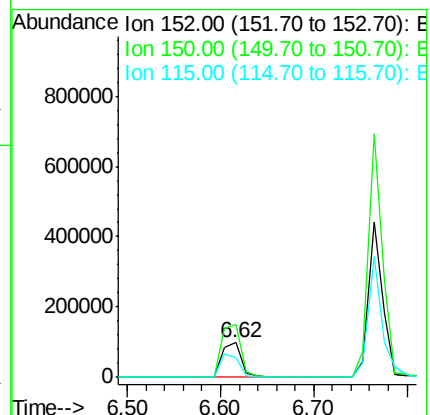
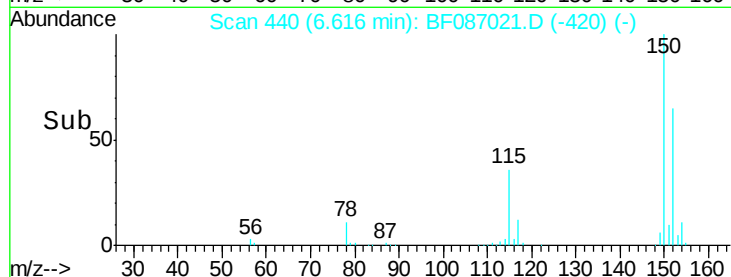
115 56.0 51.5 77.3



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: 71.24 ng

RT: 5.20 min Scan# 316

Delta R.T. -0.09 min

Lab File: BF087021.D

Acq: 14 May 2016 15:44

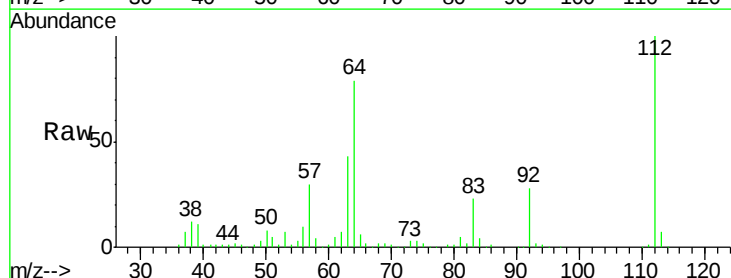
Tgt Ion:112 Resp: 591579

Ion Ratio Lower Upper

112 100

64 78.7 52.1 78.1#

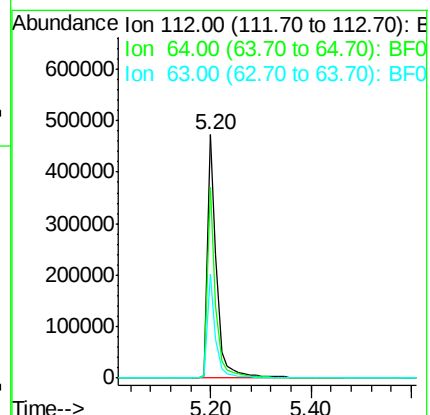
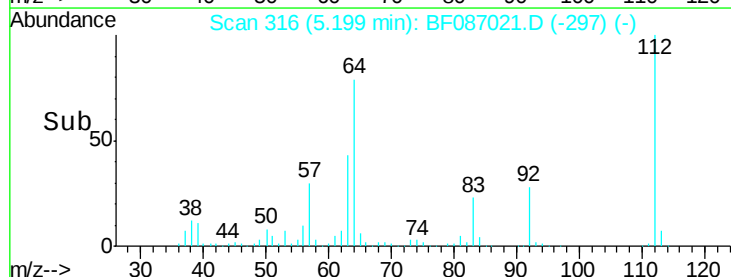
63 42.9 25.7 38.5#

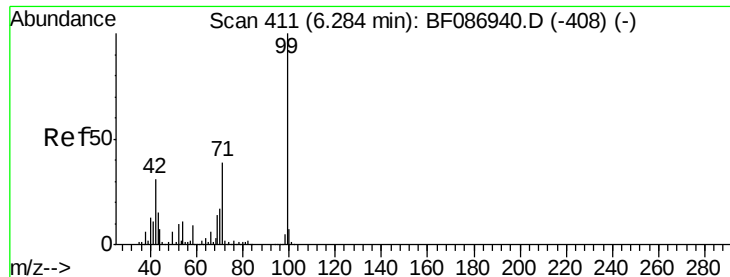


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 50.43 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.09 min

Lab File: BF087021.D

Acq: 14 May 2016 15:44

Instrument :

BNA_F

ClientSampleId :

OWL-C8-GW

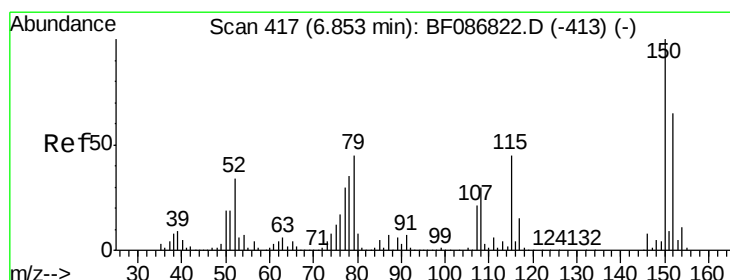
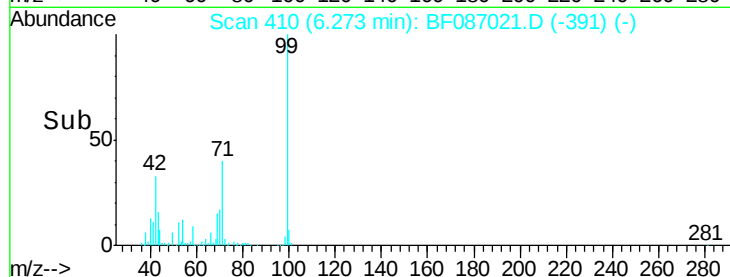
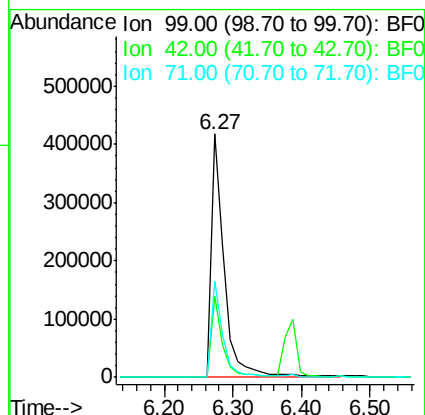
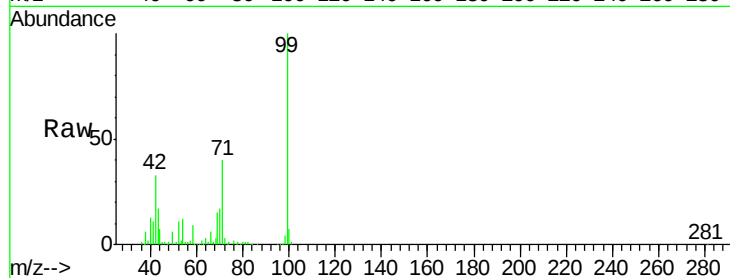
Tgt Ion: 99 Resp: 559715

Ion Ratio Lower Upper

99 100

42 33.1 13.6 20.4#

71 39.8 24.6 36.8#



#15

Benzyl Alcohol

Concen: 2.43 ng

RT: 6.76 min Scan# 453

Delta R.T. -0.09 min

Lab File: BF087021.D

Acq: 14 May 2016 15:44

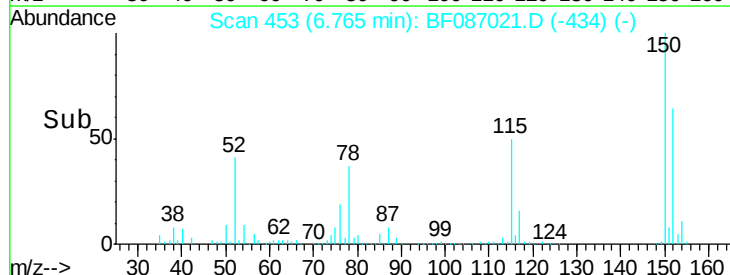
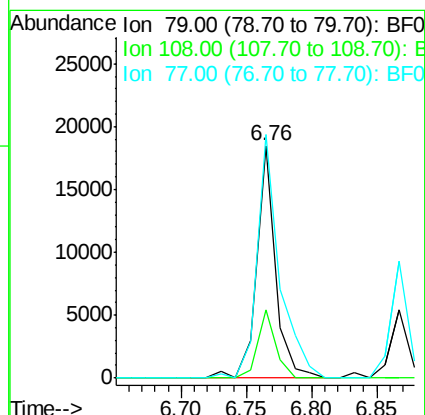
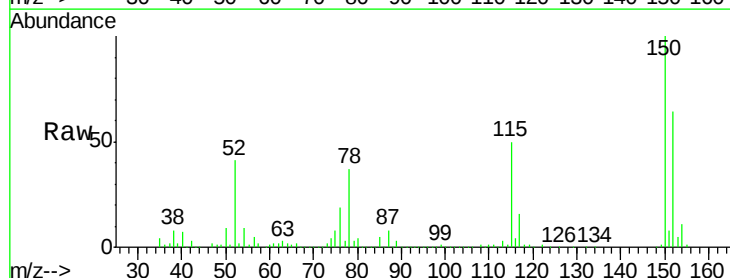
Tgt Ion: 79 Resp: 18631

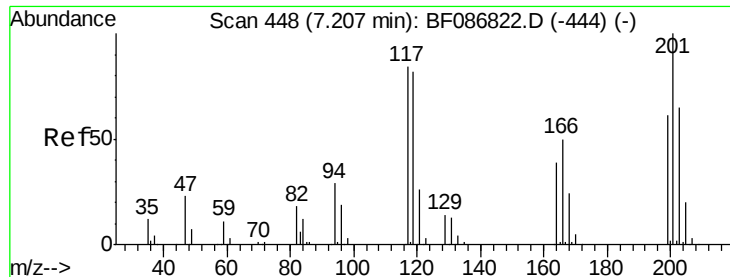
Ion Ratio Lower Upper

79 100

108 29.2 68.4 102.6#

77 104.8 50.6 76.0#

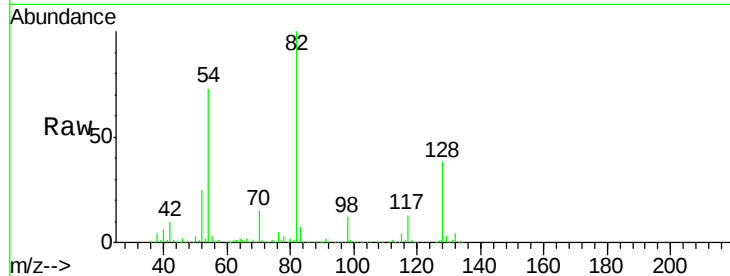




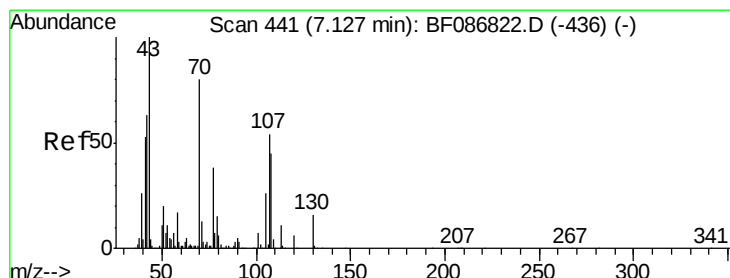
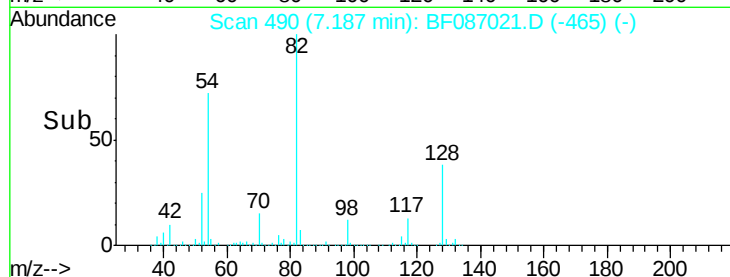
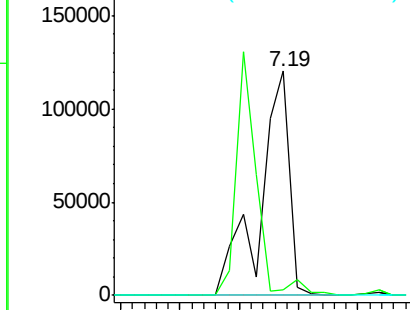
#18
Hexachloroethane
Concen: 49.46 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.02 min
Lab File: BF087021.D
Acq: 14 May 2016 15:44

Instrument :
BNA_F
ClientSampleId :
OWL-C8-GW

Tgt Ion: 117 Resp: 205767
Ion Ratio Lower Upper
117 100
119 2.7 76.5 114.7#
201 0.0 63.0 94.6#

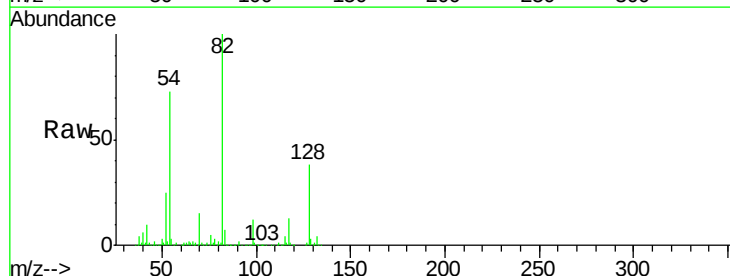


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

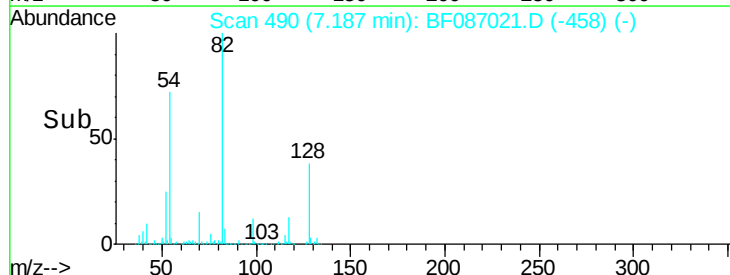
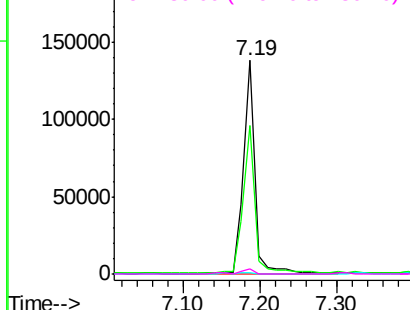


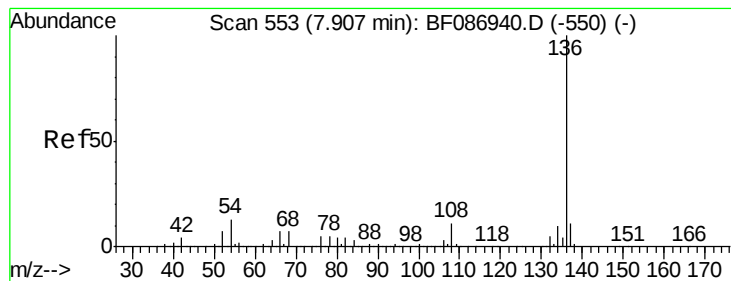
#19
n-Nitroso-di-n-propylamine
Concen: 19.07 ng
RT: 7.19 min Scan# 490
Delta R.T. 0.06 min
Lab File: BF087021.D
Acq: 14 May 2016 15:44

Tgt Ion: 70 Resp: 147892
Ion Ratio Lower Upper
70 100
42 69.5 43.1 64.7#
101 0.4 8.1 12.1#
130 2.3 18.6 28.0#



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): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 552

Delta R.T. -0.09 min

Lab File: BF087021.D

Acq: 14 May 2016 15:44

Instrument :

BNA_F

ClientSampleId :

OWL-C8-GW

Tgt Ion:136 Resp: 563713

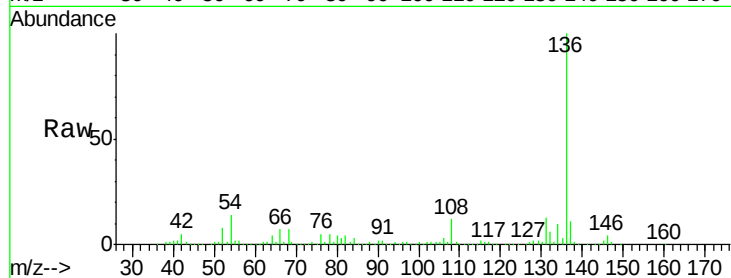
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 14.1 5.0 7.4#

68 7.3 4.4 6.6#

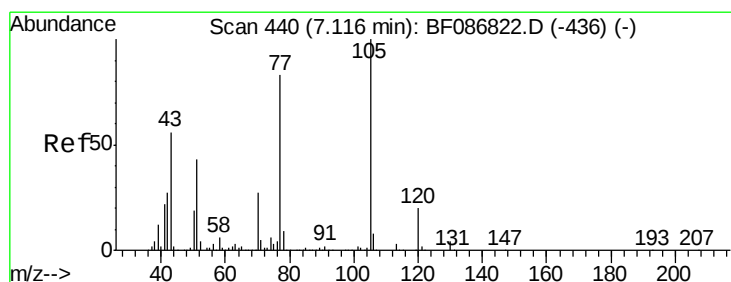
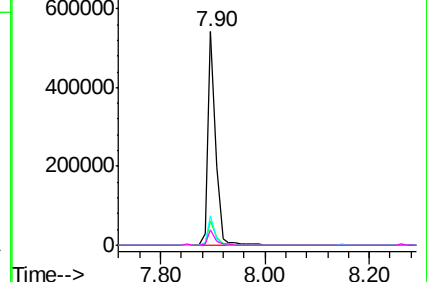
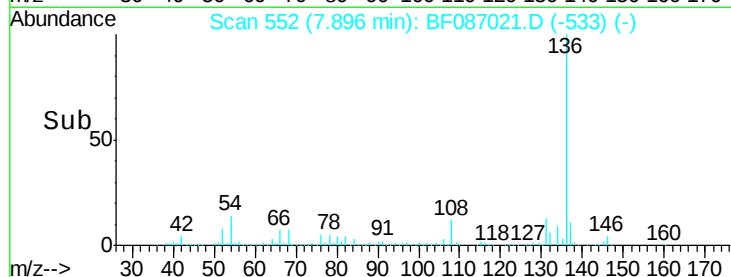


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 2.52 ng

RT: 6.96 min Scan# 470

Delta R.T. -0.16 min

Lab File: BF087021.D

Acq: 14 May 2016 15:44

Tgt Ion:105 Resp: 33605

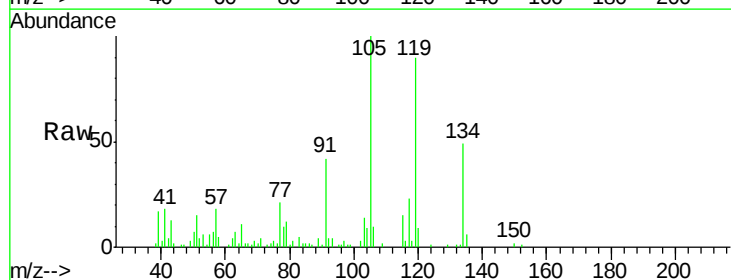
Ion Ratio Lower Upper

105 100

71 3.7 4.8 7.2#

51 14.5 32.6 49.0#

120 9.0 16.5 24.7#

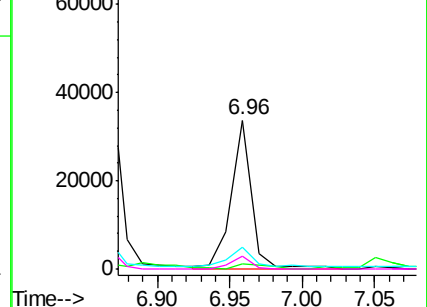
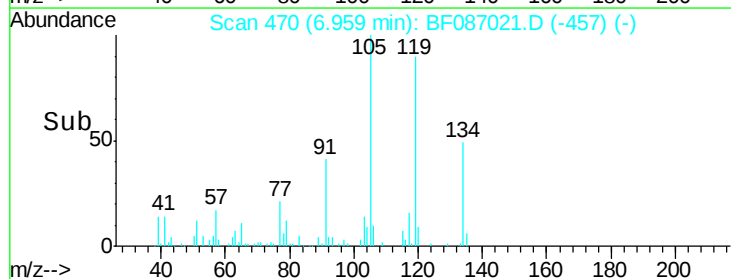


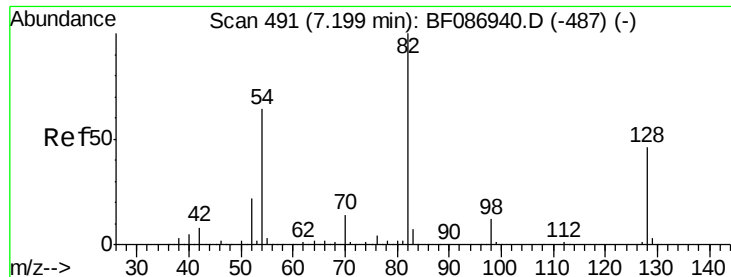
Abundance Ion 105.00 (104.70 to 105.70): E

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





#23

Nitrobenzene-d5

Concen: 88.23 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.08 min

Lab File: BF087021.D

Acq: 14 May 2016 15:44

Instrument :

BNA_F

ClientSampleId :

OWL-C8-GW

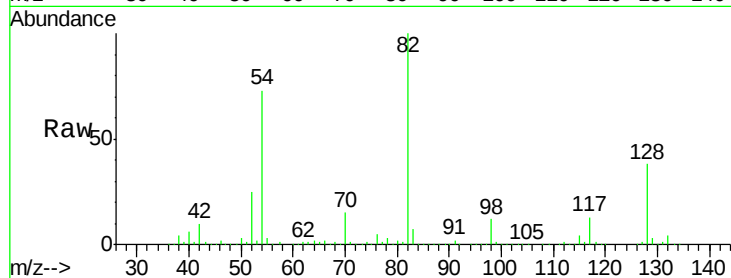
Tgt Ion: 82 Resp: 990517

Ion Ratio Lower Upper

82 100

128 38.2 40.6 61.0#

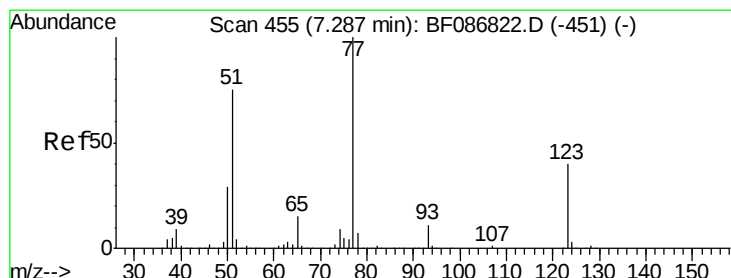
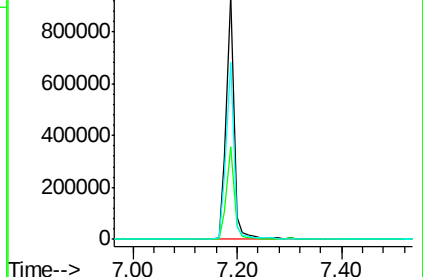
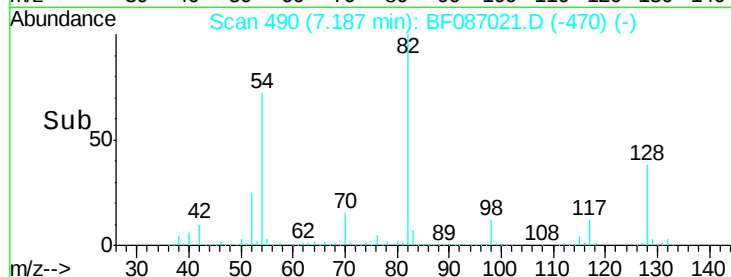
54 72.5 38.1 57.1#



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



#24

Nitrobenzene

Concen: 2.71 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.13 min

Lab File: BF087021.D

Acq: 14 May 2016 15:44

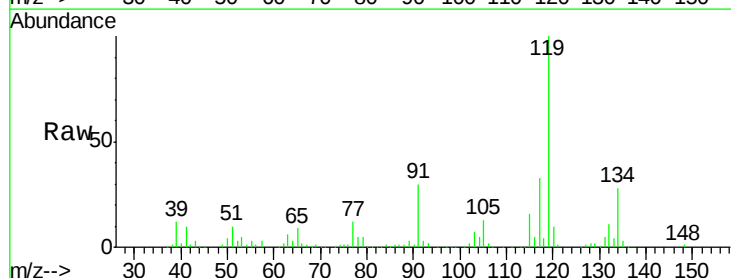
Tgt Ion: 77 Resp: 31247

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.4#

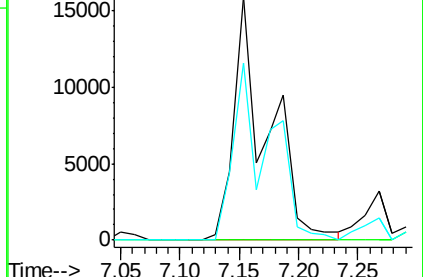
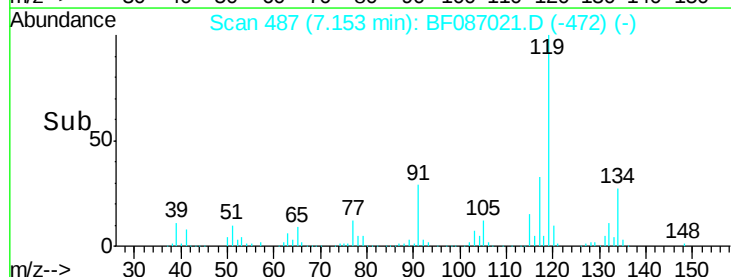
65 72.5 10.8 16.2#

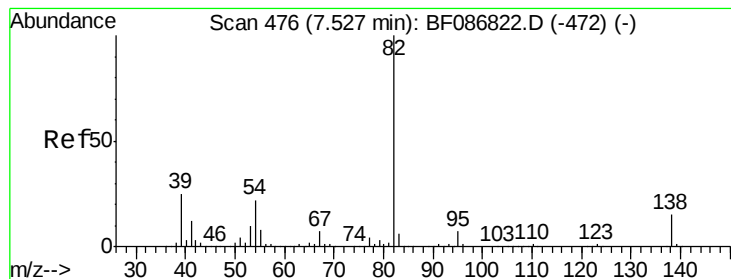


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 46.38 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.34 min

Lab File: BF087021.D

Acq: 14 May 2016 15:44

Instrument :

BNA_F

ClientSampleId :

OWL-C8-GW

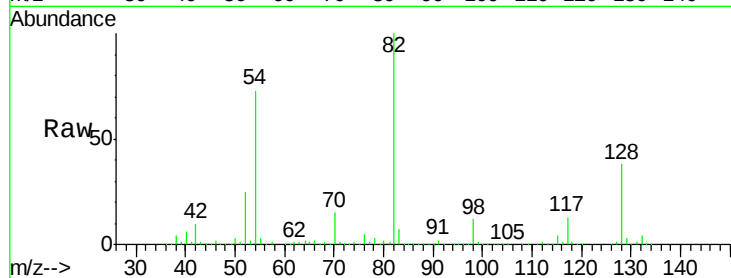
Tgt Ion: 82 Resp: 966154

Ion Ratio Lower Upper

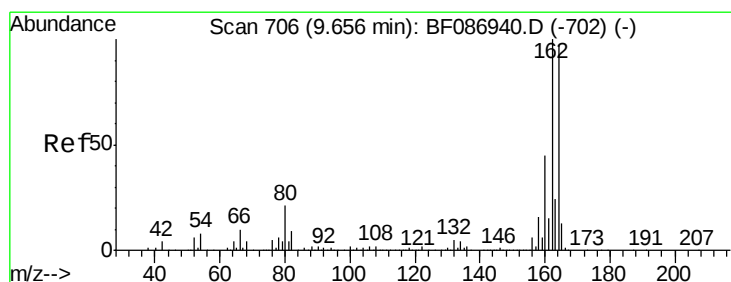
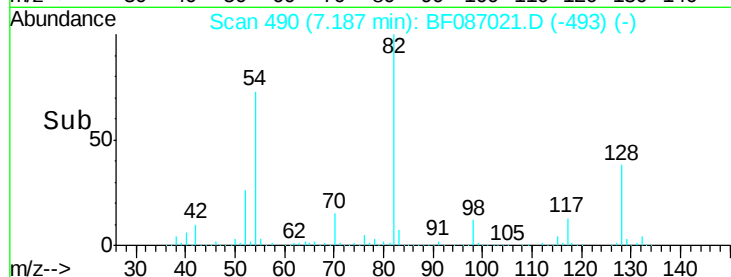
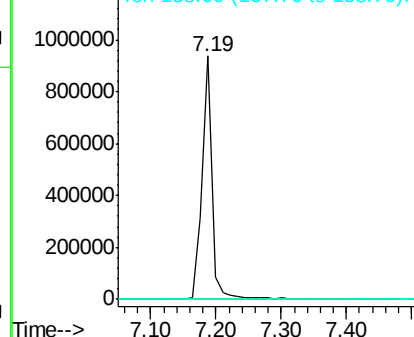
82 100

95 0.0 5.1 7.7#

138 0.0 12.4 18.6#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.09 min

Lab File: BF087021.D

Acq: 14 May 2016 15:44

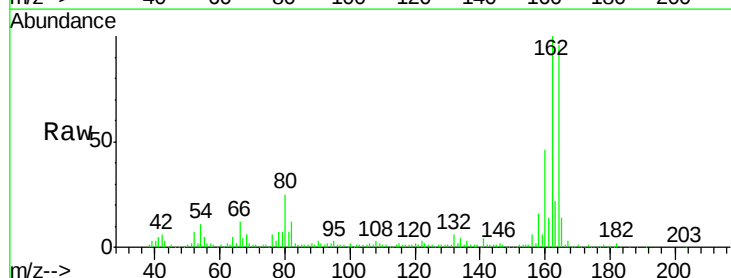
Tgt Ion: 164 Resp: 267805

Ion Ratio Lower Upper

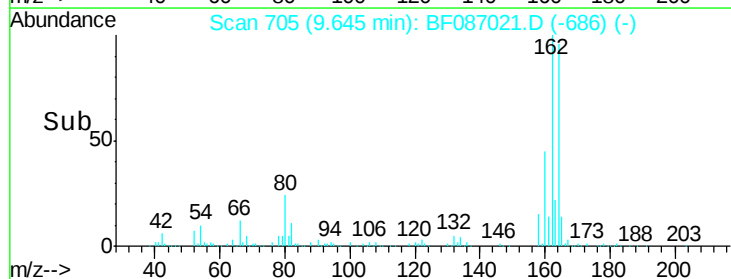
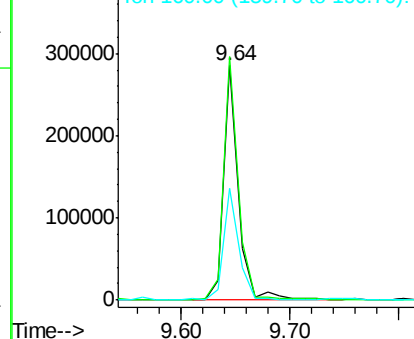
164 100

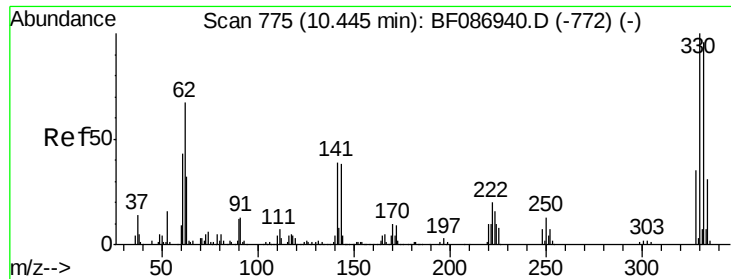
162 103.8 82.8 124.2

160 47.7 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

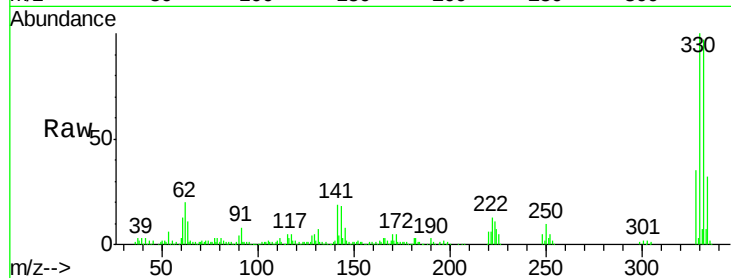




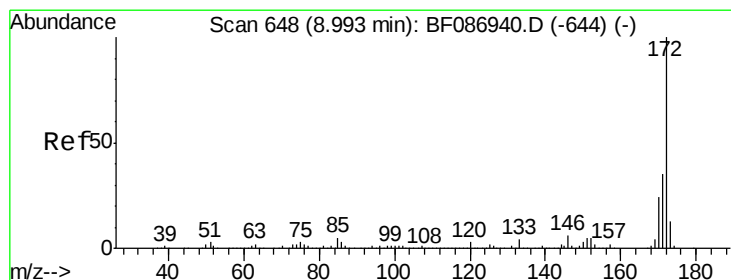
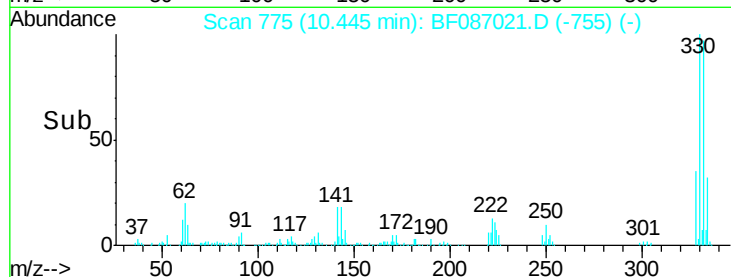
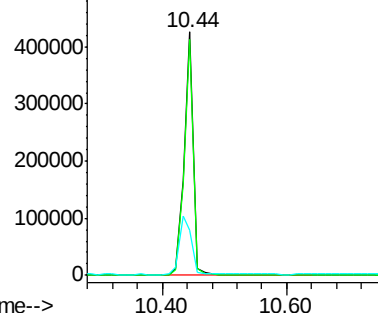
#41
 2,4,6-Tribromophenol
 Concen: 152.40 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.08 min
 Lab File: BF087021.D
 Acq: 14 May 2016 15:44

Instrument :
 BNA_F
 ClientSampleId :
 OWL-C8-GW

Tgt Ion:330 Resp: 432076
 Ion Ratio Lower Upper
 330 100
 332 96.6 79.0 118.4
 141 32.3 31.2 46.8

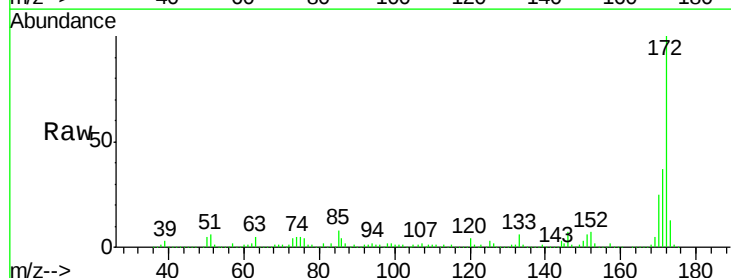


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

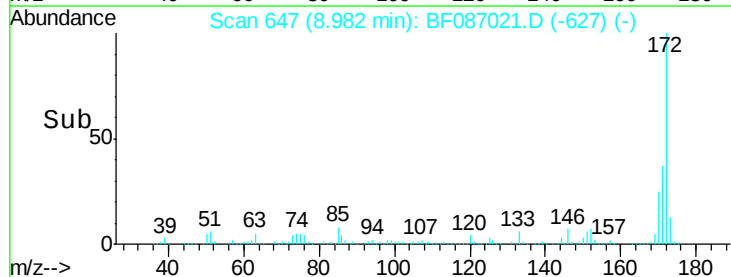
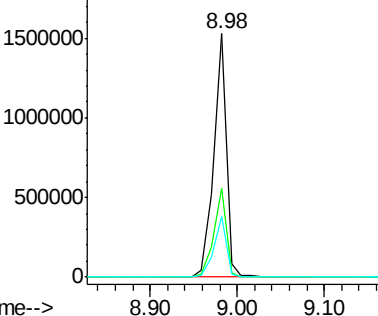


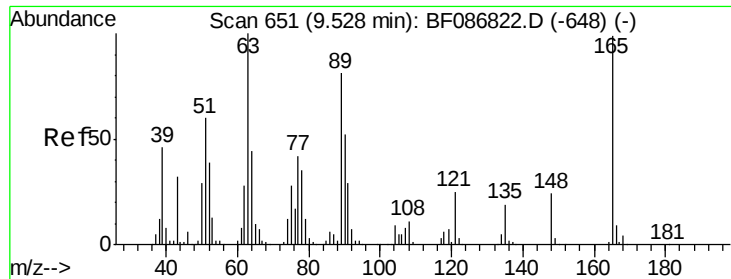
#44
 2-Fluorobiphenyl
 Concen: 95.40 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.08 min
 Lab File: BF087021.D
 Acq: 14 May 2016 15:44

Tgt Ion:172 Resp: 1520131
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.0 43.6
 170 24.8 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

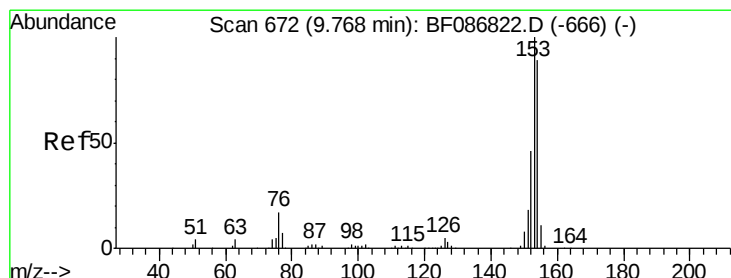
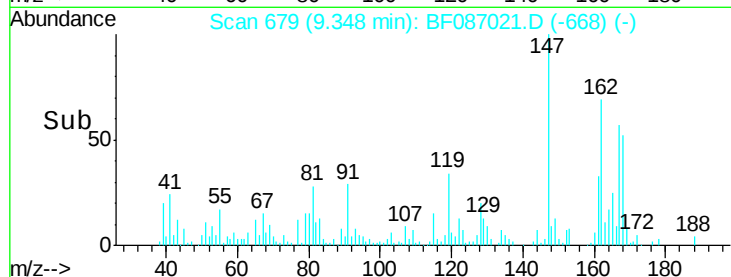
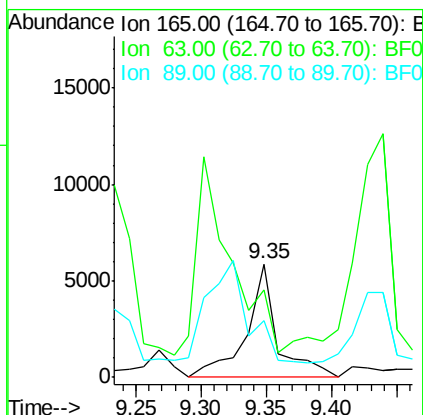
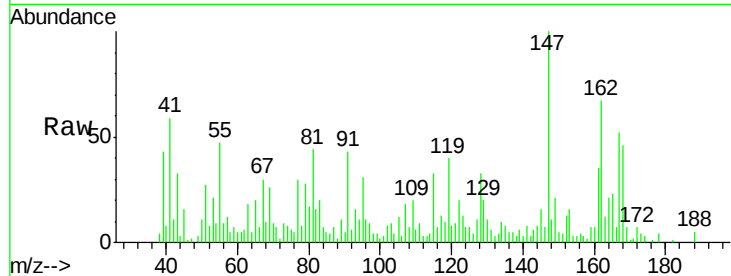




#50
2,6-Dinitrotoluene
Concen: 2.26 ng
RT: 9.35 min Scan# 679
Delta R.T. -0.18 min
Lab File: BF087021.D
Acq: 14 May 2016 15:44

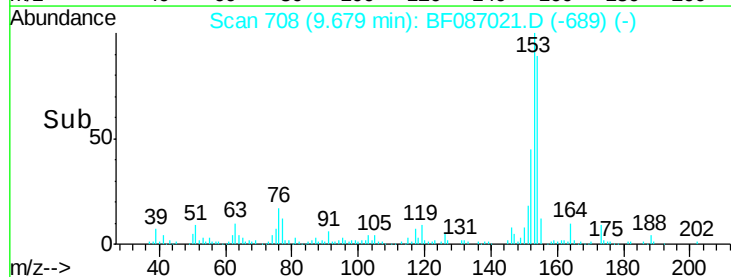
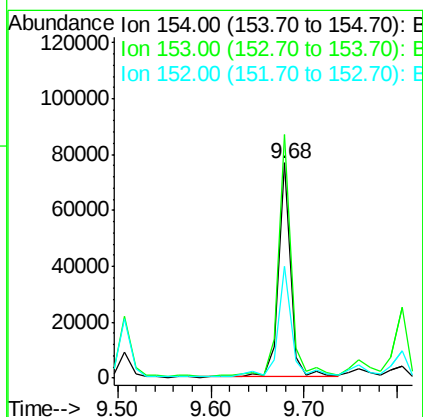
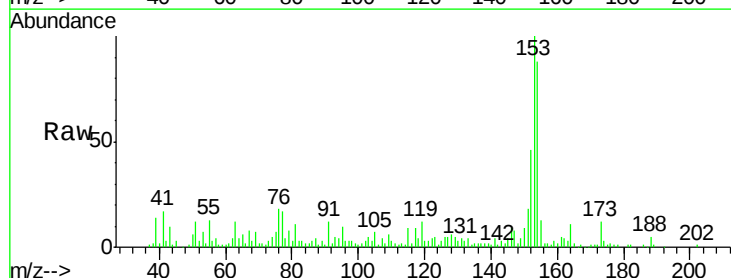
Instrument :
BNA_F
ClientSampleId :
OWL-C8-GW

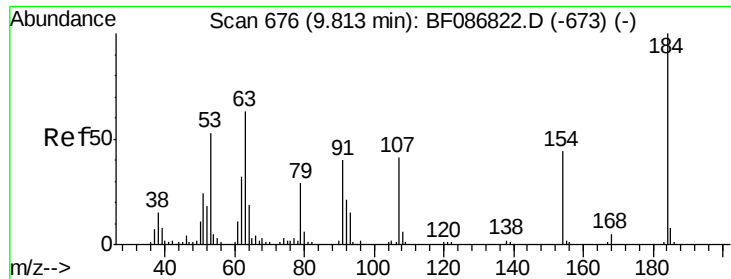
Tgt Ion:165 Resp: 9711
Ion Ratio Lower Upper
165 100
63 77.2 51.8 77.8
89 49.5 50.7 76.1#



#51
Acenaphthene
Concen: 4.52 ng
RT: 9.68 min Scan# 708
Delta R.T. -0.09 min
Lab File: BF087021.D
Acq: 14 May 2016 15:44

Tgt Ion:154 Resp: 68973
Ion Ratio Lower Upper
154 100
153 113.0 89.8 134.6
152 51.7 43.4 65.0

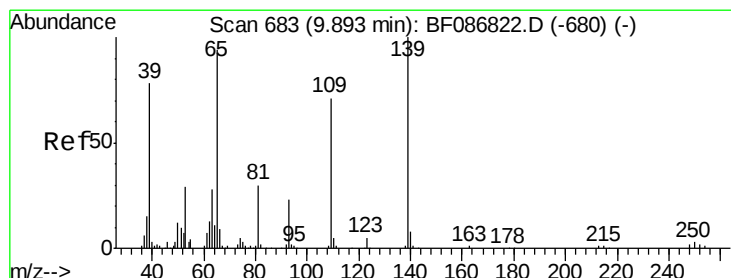
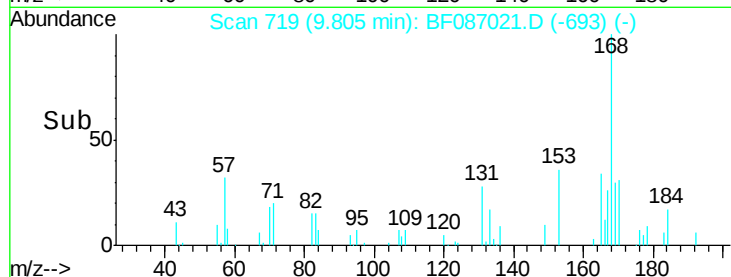
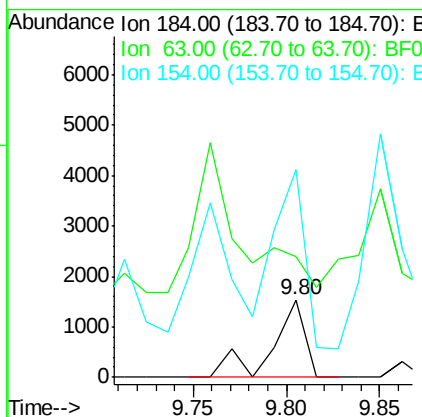
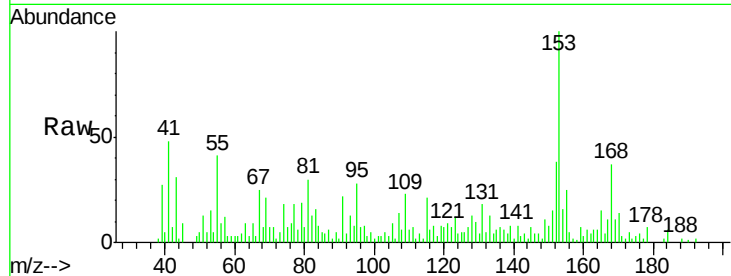




#53
 2,4-Dinitrophenol
 Concen: 8.45 ng
 RT: 9.80 min Scan# 719
 Delta R.T. -0.01 min
 Lab File: BF087021.D
 Acq: 14 May 2016 15:44

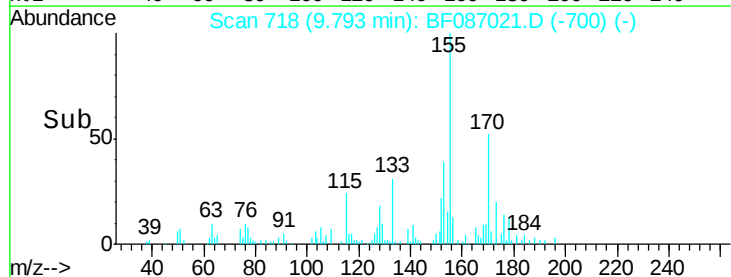
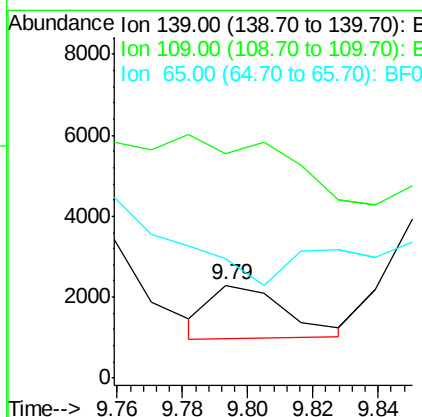
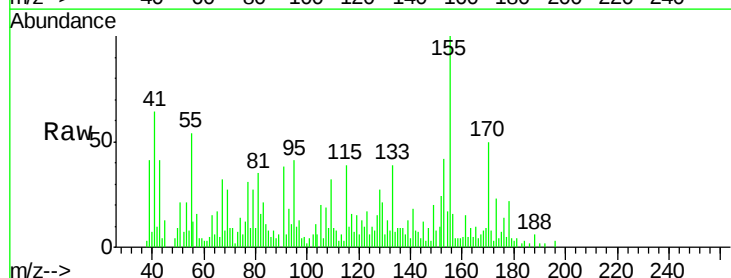
Instrument :
 BNA_F
 ClientSampleId :
 OWL-C8-GW

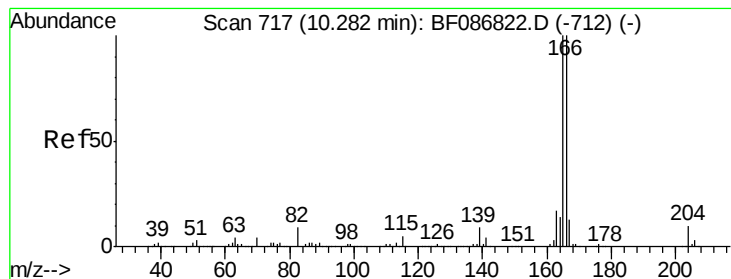
Tgt Ion:184 Resp: 1851
 Ion Ratio Lower Upper
 184 100
 63 156.1 55.8 83.8#
 154 267.8 62.4 93.6#



#55
 4-Nitrophenol
 Concen: 5.21 ng
 RT: 9.79 min Scan# 718
 Delta R.T. -0.10 min
 Lab File: BF087021.D
 Acq: 14 May 2016 15:44

Tgt Ion:139 Resp: 2081
 Ion Ratio Lower Upper
 139 100
 109 240.9 36.9 76.9#
 65 128.1 64.0 104.0#





#57

Fluorene

Concen: 4.93 ng

RT: 10.19 min Scan# 753

Delta R.T. -0.09 min

Lab File: BF087021.D

Acq: 14 May 2016 15:44

Instrument :

BNA_F

ClientSampleId :

OWL-C8-GW

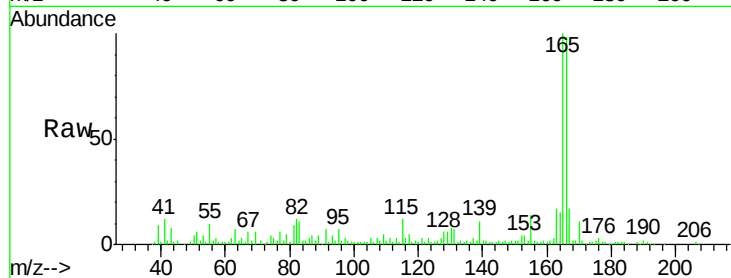
Tgt Ion:166 Resp: 82468

Ion Ratio Lower Upper

166 100

165 101.6 79.0 118.6

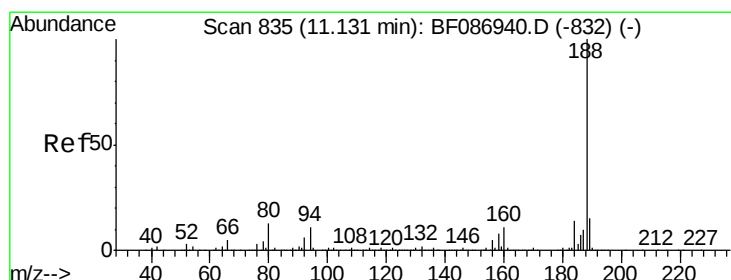
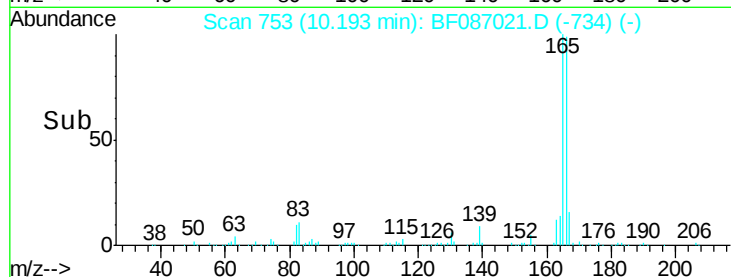
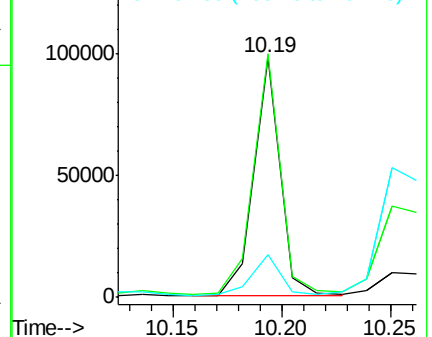
167 17.7 10.6 15.8#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.12 min Scan# 834

Delta R.T. -0.09 min

Lab File: BF087021.D

Acq: 14 May 2016 15:44

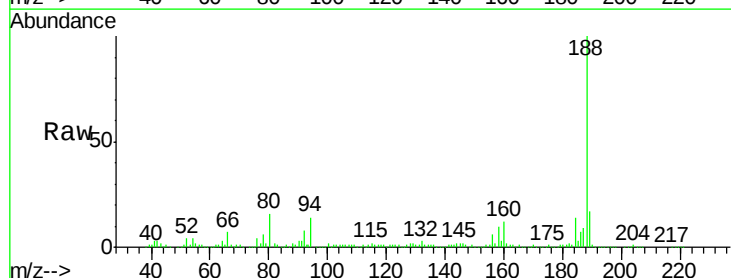
Tgt Ion:188 Resp: 460333

Ion Ratio Lower Upper

188 100

94 14.1 6.8 10.2#

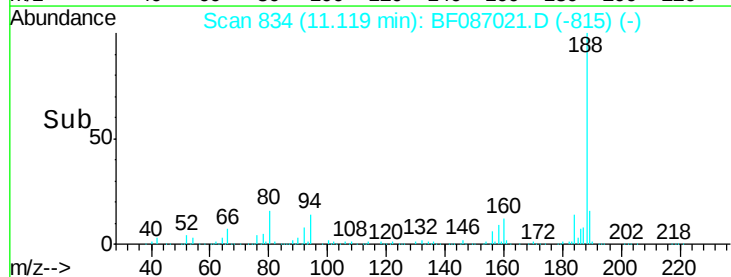
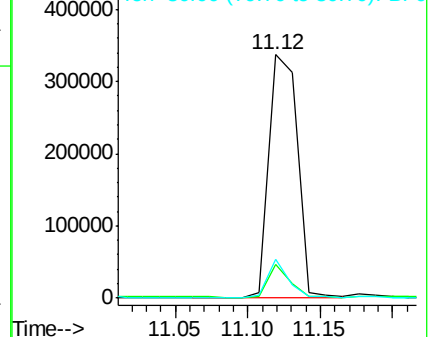
80 16.0 7.1 10.7#

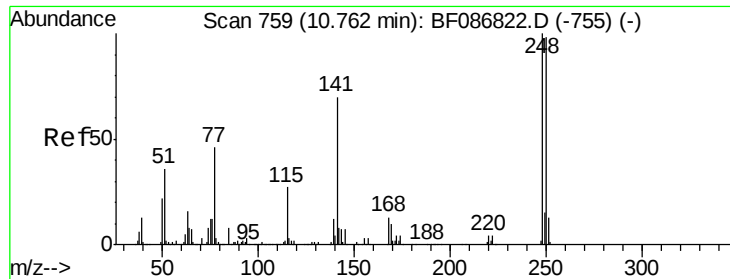


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 5.60 ng

RT: 10.44 min Scan# 775

Delta R.T. -0.32 min

Lab File: BF087021.D

Acq: 14 May 2016 15:44

Instrument :

BNA_F

ClientSampleId :

OWL-C8-GW

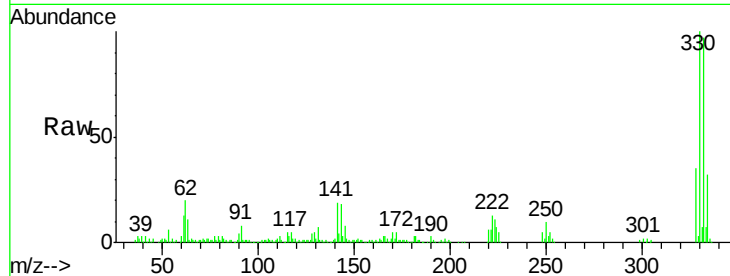
Tgt Ion:248 Resp: 26149

Ion Ratio Lower Upper

248 100

250 195.3 78.6 117.8#

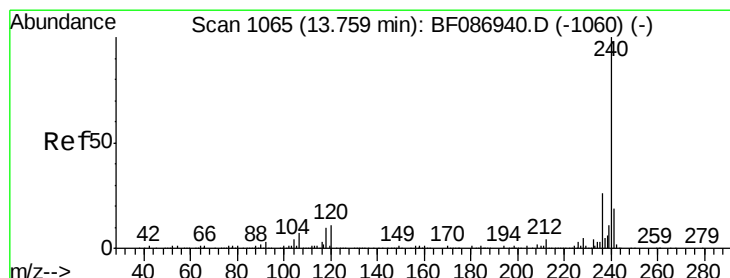
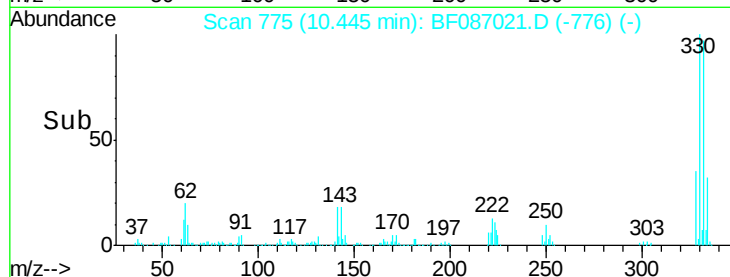
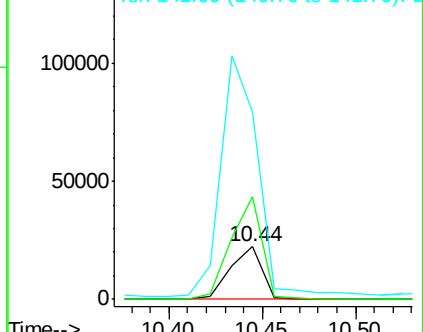
141 356.9 76.0 114.0#



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: 13.75 min Scan# 1064

Delta R.T. -0.09 min

Lab File: BF087021.D

Acq: 14 May 2016 15:44

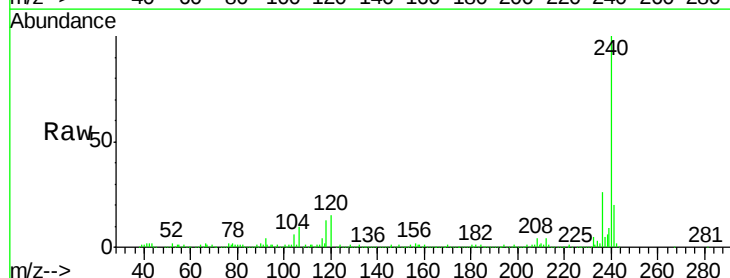
Tgt Ion:240 Resp: 333496

Ion Ratio Lower Upper

240 100

120 14.6 11.2 16.8

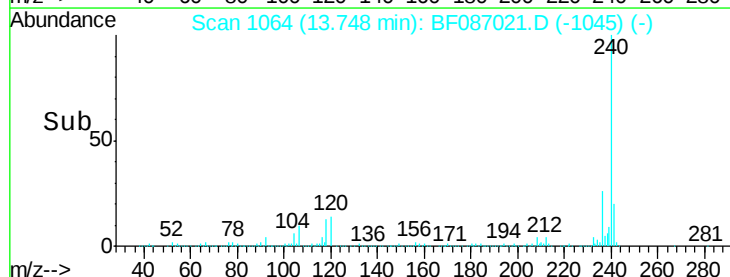
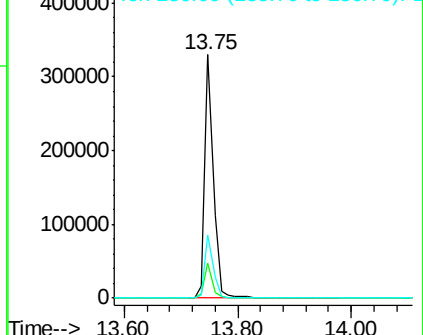
236 26.1 21.2 31.8

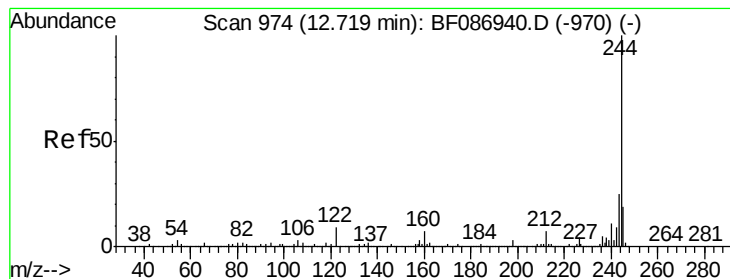


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 78.97 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.09 min

Lab File: BF087021.D

Acq: 14 May 2016 15:44

Instrument :

BNA_F

ClientSampleId :

OWL-C8-GW

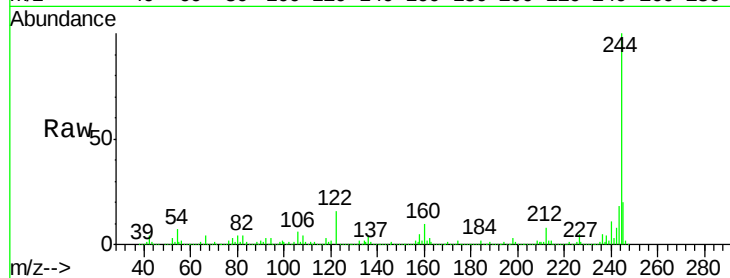
Tgt Ion:244 Resp: 1241269

Ion Ratio Lower Upper

244 100

212 8.3 6.2 9.2

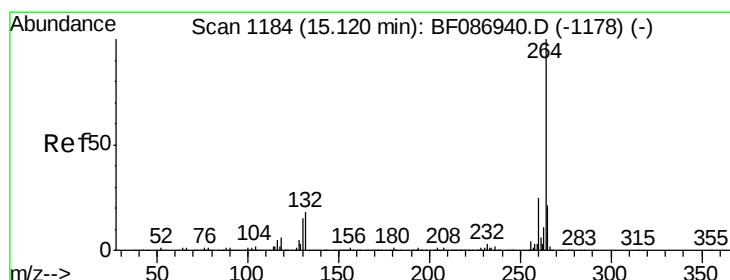
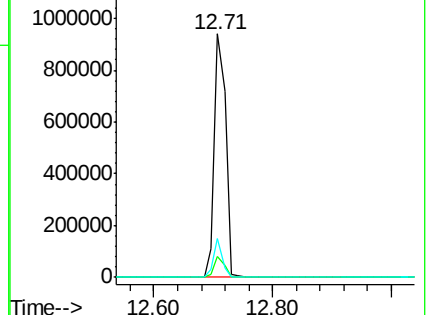
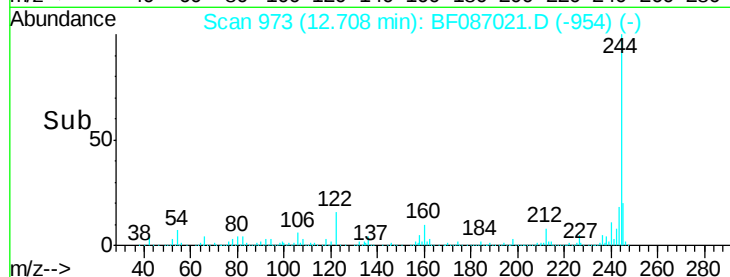
122 15.7 12.0 18.0



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: 15.11 min Scan# 1183

Delta R.T. -0.10 min

Lab File: BF087021.D

Acq: 14 May 2016 15:44

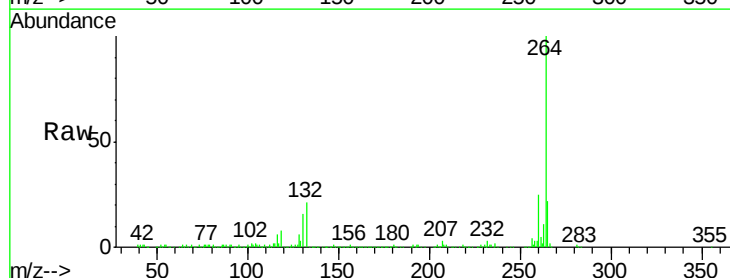
Tgt Ion:264 Resp: 280242

Ion Ratio Lower Upper

264 100

260 24.8 19.5 29.3

265 21.9 17.3 25.9



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

