

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051316\
 Data File : BF087017.D
 Acq On : 14 May 2016 13:47
 Operator : UM/SJ
 Sample : H2990-02
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OWL-C2-GW

Quant Time: May 16 01:05:57 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

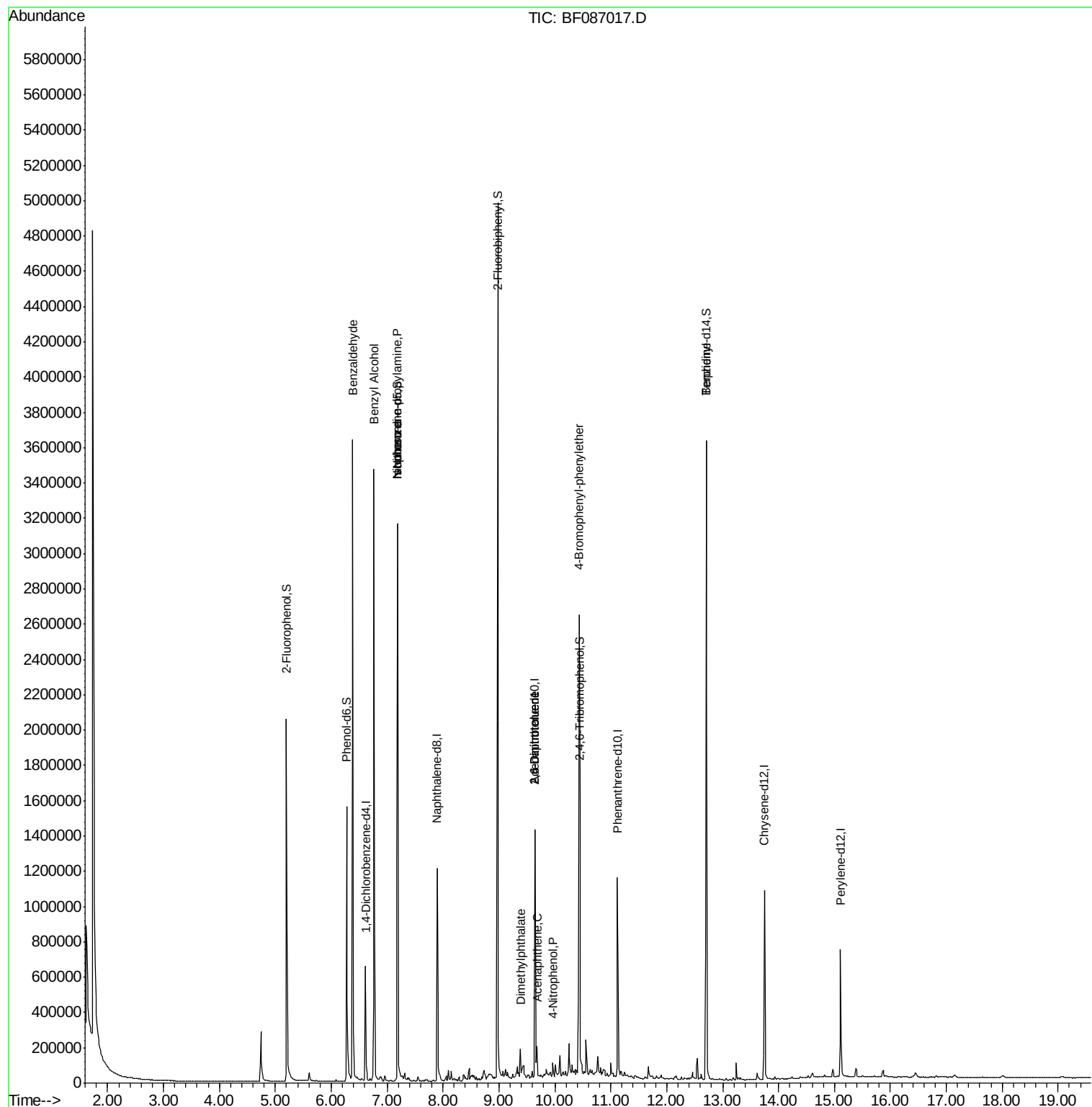
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	133721	20.00	ng	-0.08
21) Naphthalene-d8	7.90	136	557847	20.00	ng	-0.09
38) Acenaphthene-d10	9.64	164	264581	20.00	ng	-0.09
63) Phenanthrene-d10	11.12	188	479632	20.00	ng	-0.09
75) Chrysene-d12	13.75	240	358426	20.00	ng	-0.09
86) Perylene-d12	15.11	264	291523	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	591424	74.90	ng	-0.09
7) Phenol-d6	6.27	99	518492	49.13	ng	-0.09
23) Nitrobenzene-d5	7.19	82	1045852	94.14	ng	-0.08
41) 2,4,6-Tribromophenol	10.44	330	401466	143.33	ng	-0.08
44) 2-Fluorobiphenyl	8.98	172	1586006	100.75	ng	-0.08
78) Terphenyl-d14	12.71	244	1448188	85.73	ng	-0.09
Target Compounds						
9) Benzaldehyde	6.39	77	28311	4.63	ng	# 80
15) Benzyl Alcohol	6.76	79	16264	2.23	ng	# 40
19) n-Nitroso-di-n-propylamine	7.19	70	151115	20.49	ng	# 72
25) Isophorone	7.19	82	1025436	49.75	ng	# 68
49) Dimethylphthalate	9.38	163	57499	2.85	ng	99
50) 2,6-Dinitrotoluene	9.64	165	34954	8.23	ng	# 22
51) Acenaphthene	9.68	154	33408	2.21	ng	99
55) 4-Nitrophenol	9.96	139	973	4.87	ng	88
56) 2,4-Dinitrotoluene	9.64	165	35507	6.75	ng	# 17
66) 4-Bromophenyl-phenylether	10.43	248	22567	4.64	ng	# 1
76) Benzydine	12.71	184	21675	2.37	ng	98

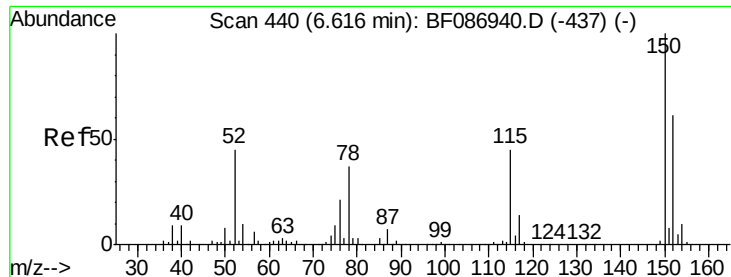
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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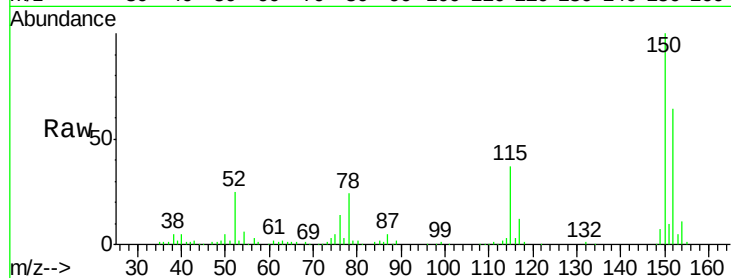


#1

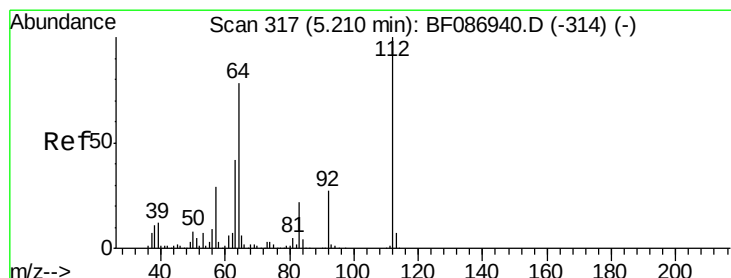
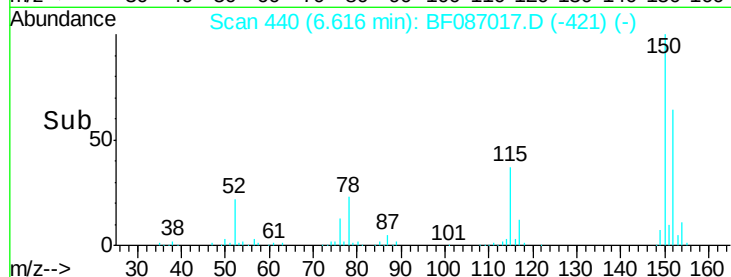
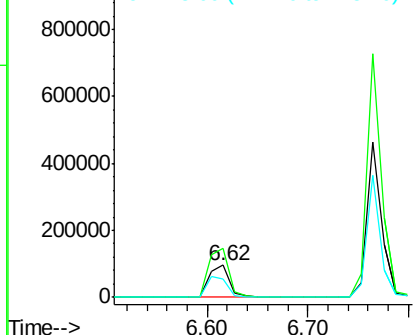
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.62 min Scan# 440
Delta R.T. -0.08 min
Lab File: BF087017.D
Acq: 14 May 2016 13:47

Instrument :
BNA_F
ClientSampleId :
OWL-C2-GW

Tgt Ion:152 Resp: 133721
Ion Ratio Lower Upper
152 100
150 156.1 125.8 188.6
115 57.5 51.5 77.3



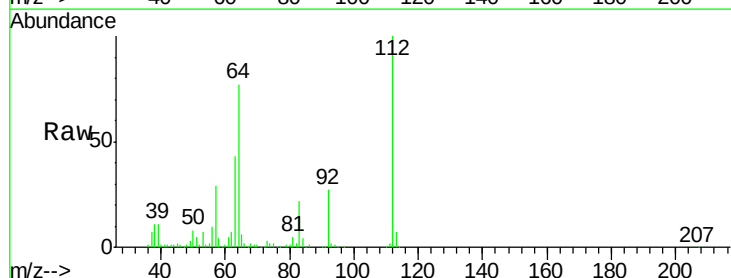
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



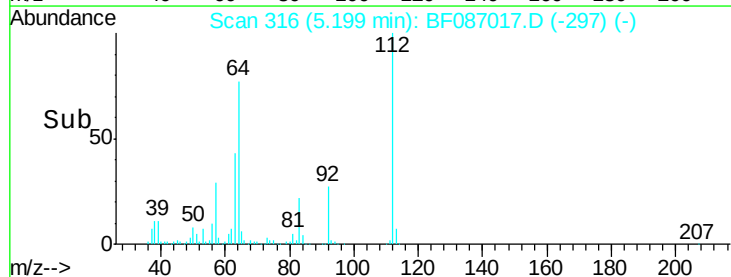
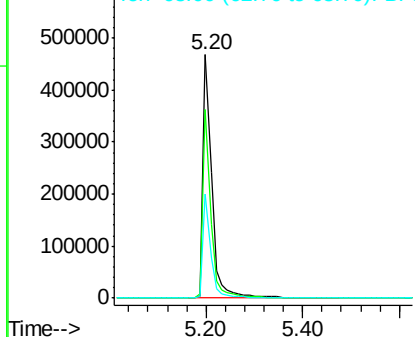
#5

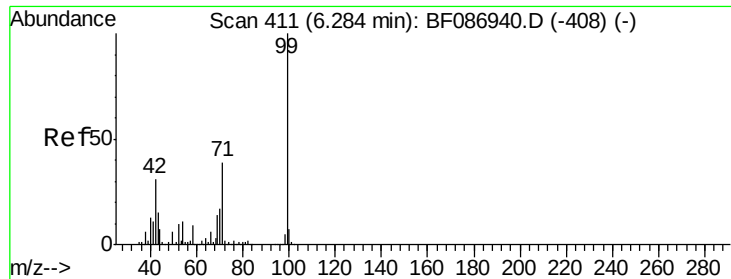
2-Fluorophenol
Concen: 74.90 ng
RT: 5.20 min Scan# 316
Delta R.T. -0.09 min
Lab File: BF087017.D
Acq: 14 May 2016 13:47

Tgt Ion:112 Resp: 591424
Ion Ratio Lower Upper
112 100
64 77.4 52.1 78.1
63 42.7 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: 49.13 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.09 min

Lab File: BF087017.D

Acq: 14 May 2016 13:47

Instrument :

BNA_F

ClientSampleId :

OWL-C2-GW

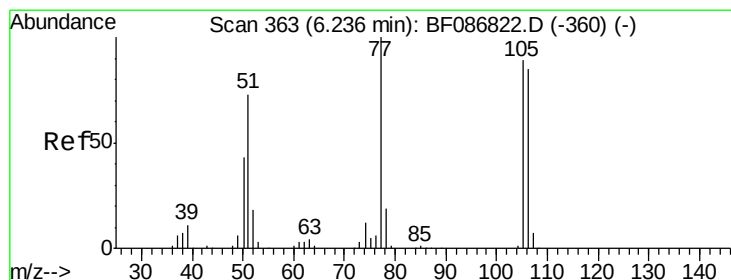
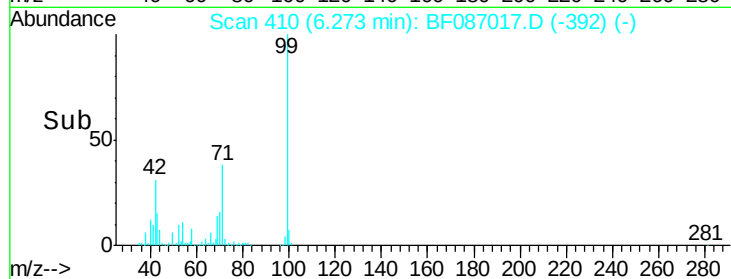
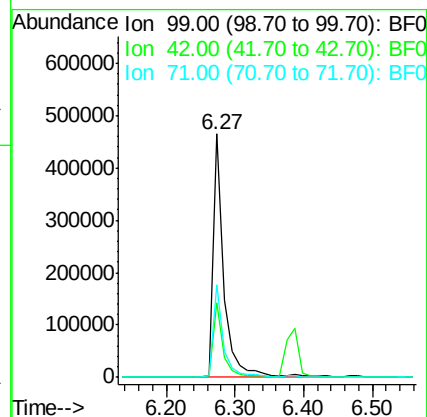
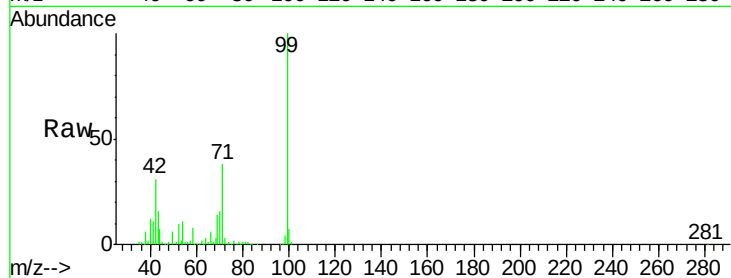
Tgt Ion: 99 Resp: 518492

Ion Ratio Lower Upper

99 100

42 30.9 13.6 20.4#

71 38.1 24.6 36.8#



#9

Benzaldehyde

Concen: 4.63 ng

RT: 6.39 min Scan# 420

Delta R.T. 0.15 min

Lab File: BF087017.D

Acq: 14 May 2016 13:47

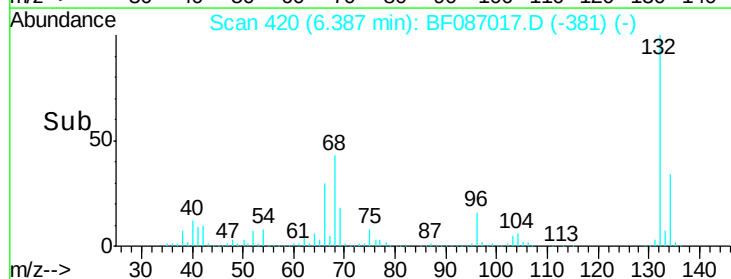
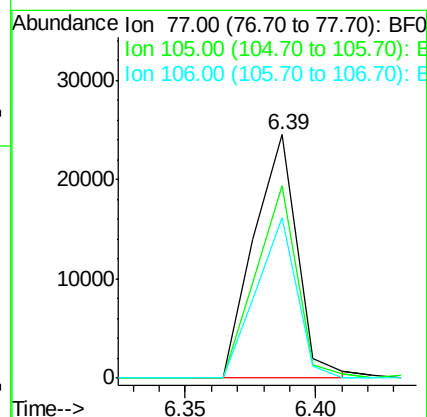
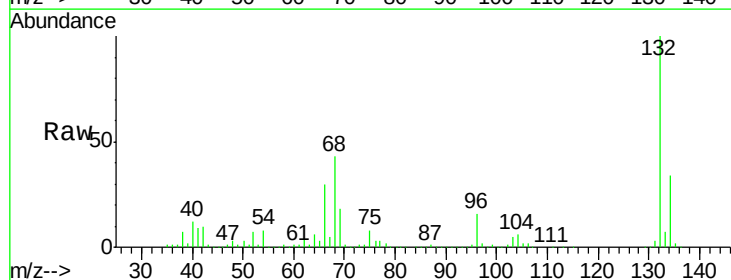
Tgt Ion: 77 Resp: 28311

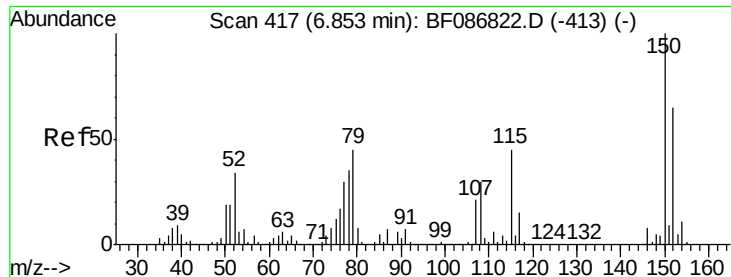
Ion Ratio Lower Upper

77 100

105 78.8 72.7 112.7

106 66.1 70.8 110.8#





#15

Benzyl Alcohol

Concen: 2.23 ng

RT: 6.76 min Scan# 453

Delta R.T. -0.09 min

Lab File: BF087017.D

Acq: 14 May 2016 13:47

Instrument :

BNA_F

ClientSampleId :

OWL-C2-GW

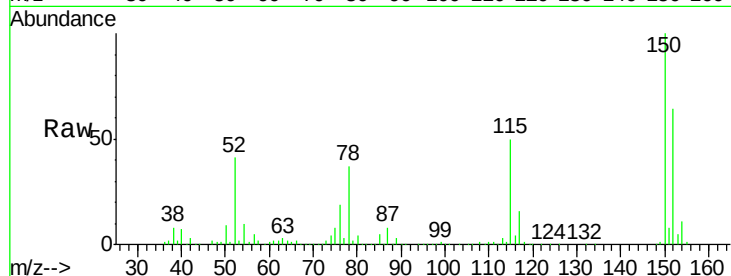
Tgt Ion: 79 Resp: 16264

Ion Ratio Lower Upper

79 100

108 30.8 68.4 102.6#

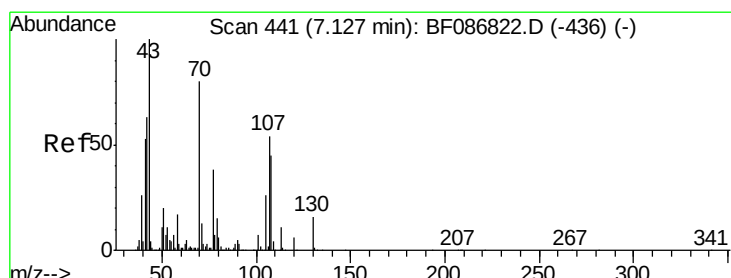
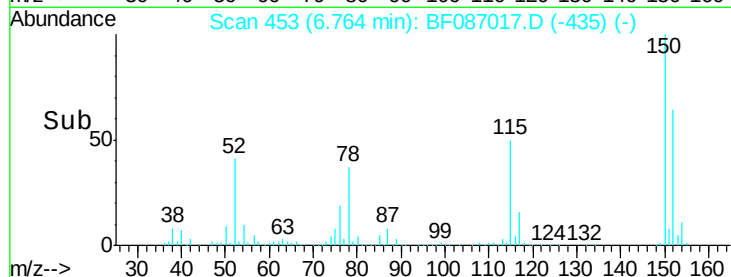
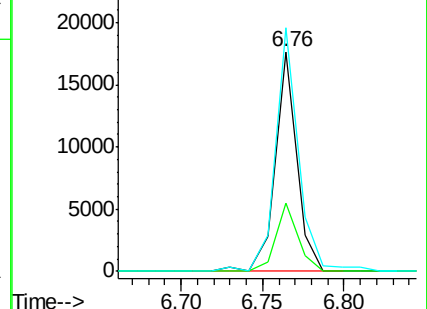
77 110.9 50.6 76.0#



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



#19

n-Nitroso-di-n-propylamine

Concen: 20.49 ng

RT: 7.19 min Scan# 490

Delta R.T. 0.06 min

Lab File: BF087017.D

Acq: 14 May 2016 13:47

Tgt Ion: 70 Resp: 151115

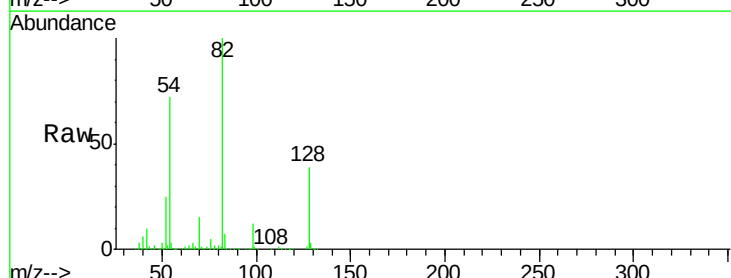
Ion Ratio Lower Upper

70 100

42 69.1 43.1 64.7#

101 0.0 8.1 12.1#

130 1.8 18.6 28.0#

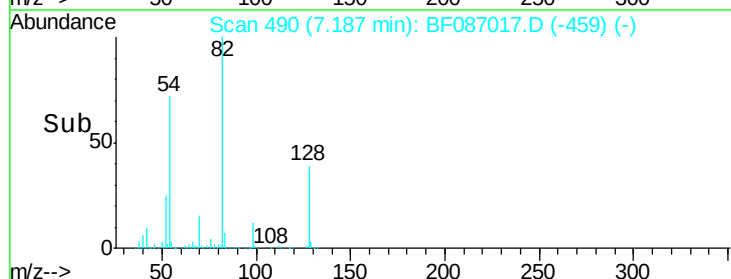
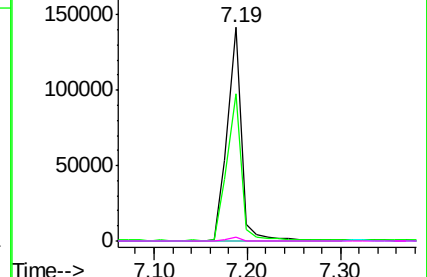


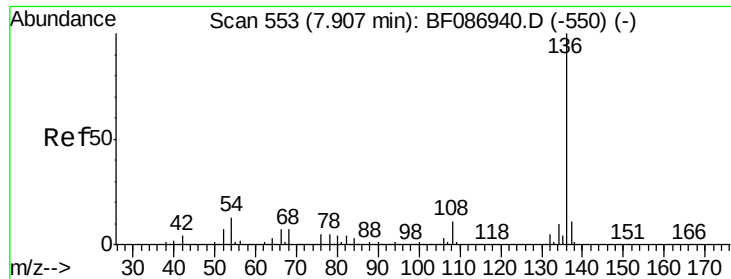
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

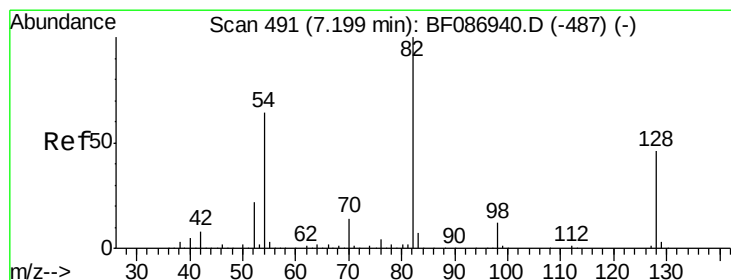
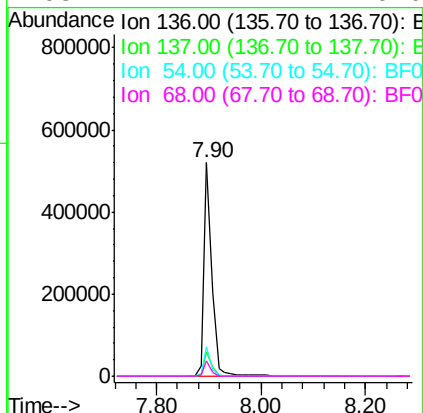
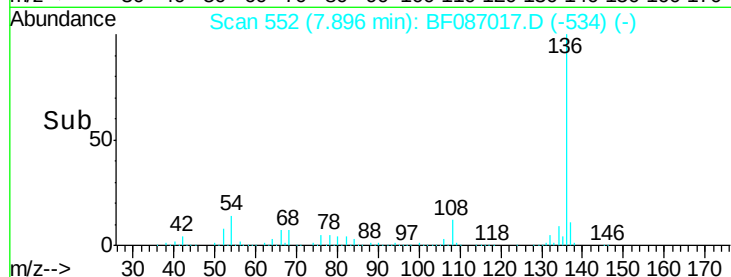
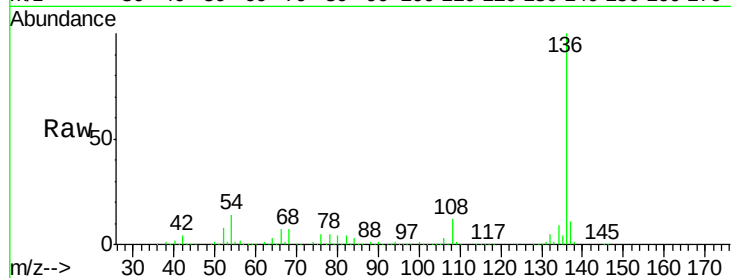




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.09 min
Lab File: BF087017.D
Acq: 14 May 2016 13:47

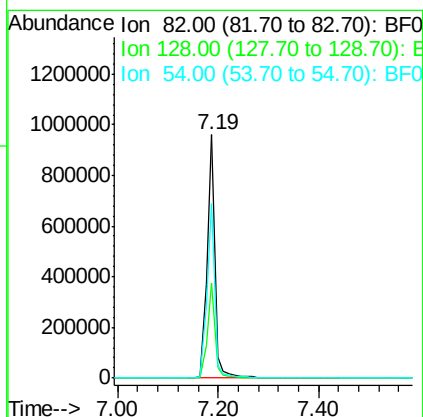
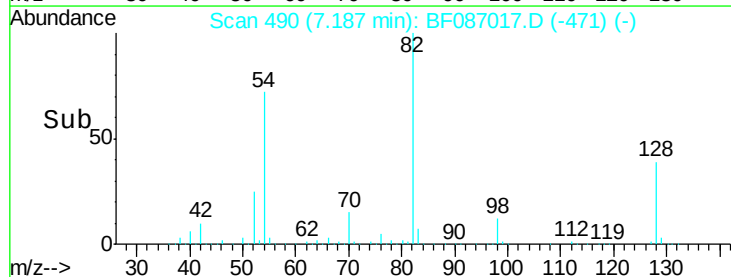
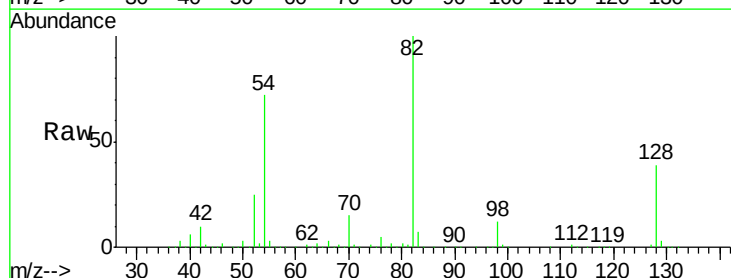
Instrument :
BNA_F
ClientSampleId :
OWL-C2-GW

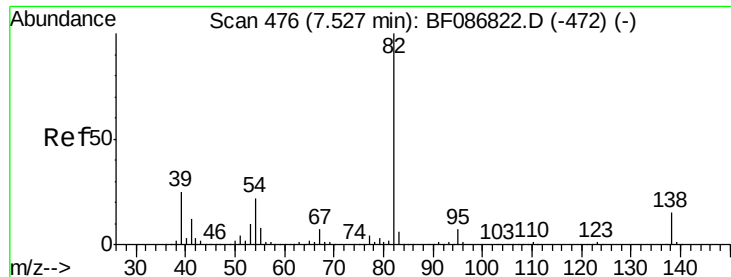
Tgt Ion:	136	Resp:	557847
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	13.8	5.0	7.4#
68	7.1	4.4	6.6#



#23
Nitrobenzene-d5
Concen: 94.14 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.08 min
Lab File: BF087017.D
Acq: 14 May 2016 13:47

Tgt Ion:	82	Resp:	1045852
Ion	Ratio	Lower	Upper
82	100		
128	39.3	40.6	61.0#
54	71.6	38.1	57.1#





#25

Isophorone

Concen: 49.75 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.34 min

Lab File: BF087017.D

Acq: 14 May 2016 13:47

Instrument :

BNA_F

ClientSampleId :

OWL-C2-GW

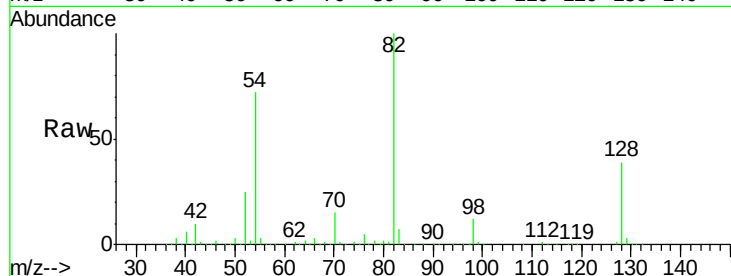
Tgt Ion: 82 Resp: 1025436

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

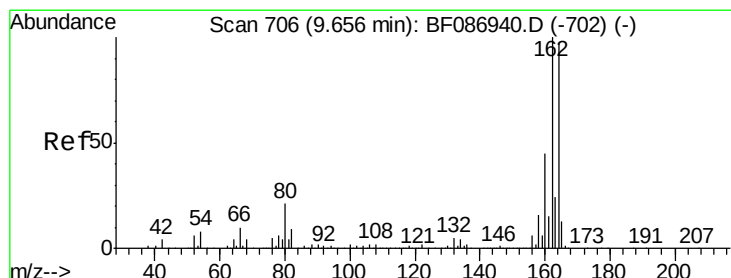
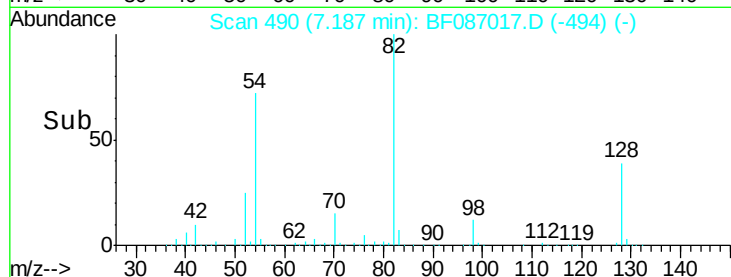
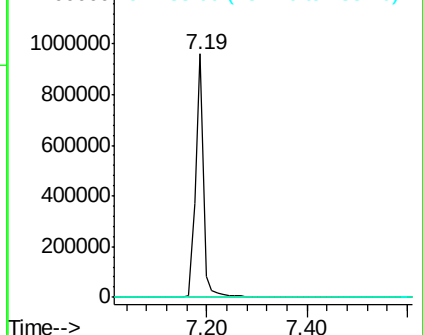
138 0.0 12.4 18.6#



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: BF087017.D

Acq: 14 May 2016 13:47

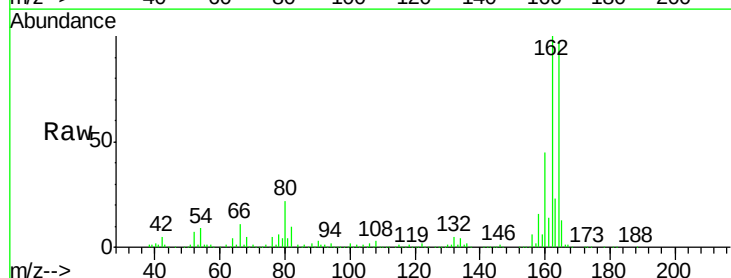
Tgt Ion: 164 Resp: 264581

Ion Ratio Lower Upper

164 100

162 102.9 82.8 124.2

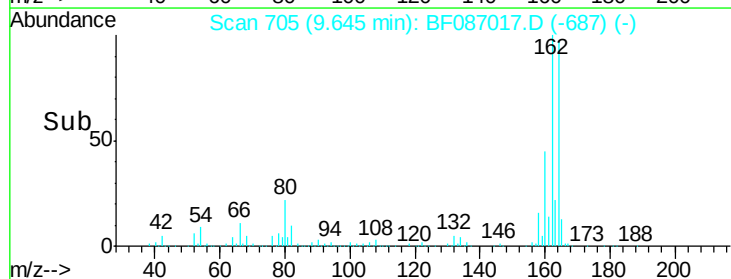
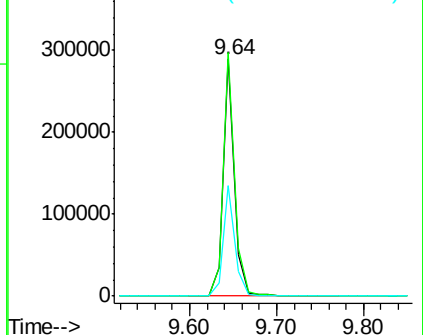
160 46.8 36.9 55.3

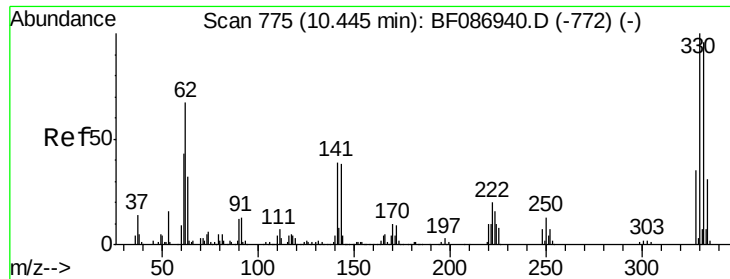


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

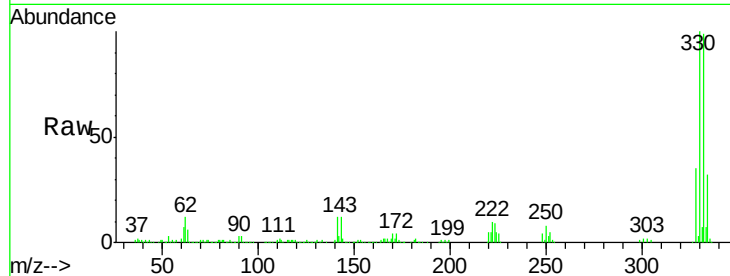




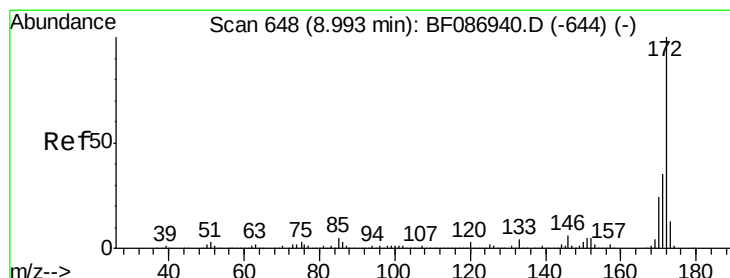
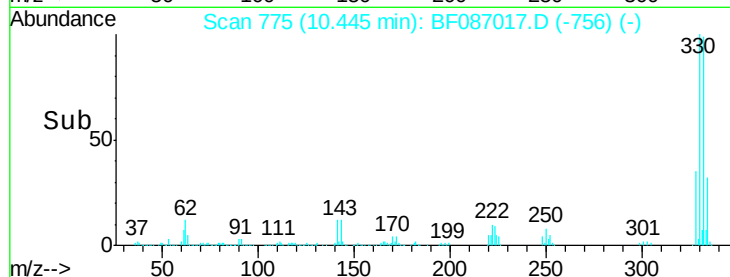
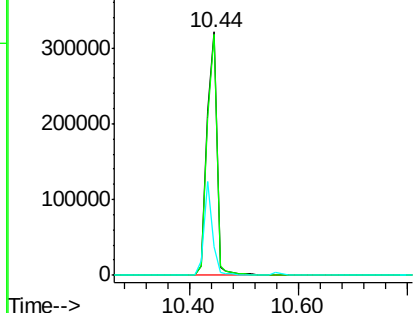
#41
 2,4,6-Tribromophenol
 Concen: 143.33 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.08 min
 Lab File: BF087017.D
 Acq: 14 May 2016 13:47

Instrument :
 BNA_F
 ClientSampleId :
 OWL-C2-GW

Tgt Ion:330 Resp: 401466
 Ion Ratio Lower Upper
 330 100
 332 97.6 79.0 118.4
 141 32.3 31.2 46.8

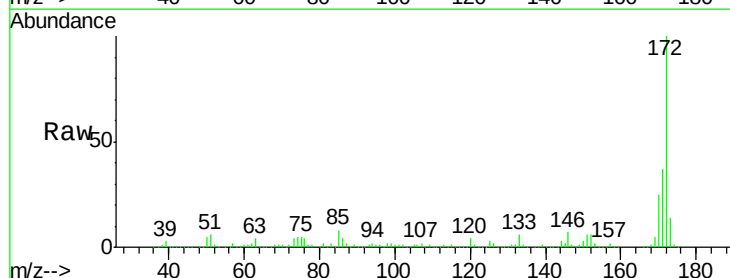


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

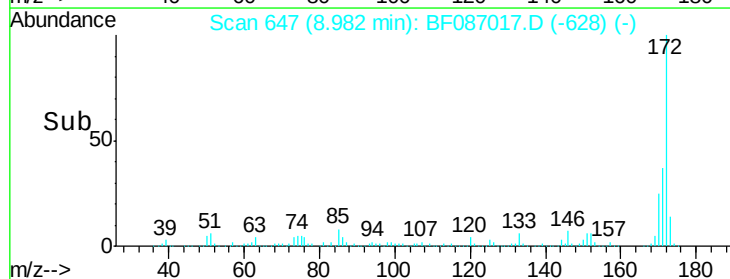
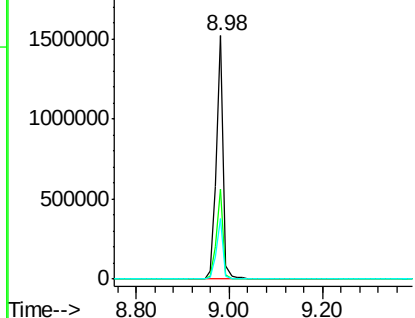


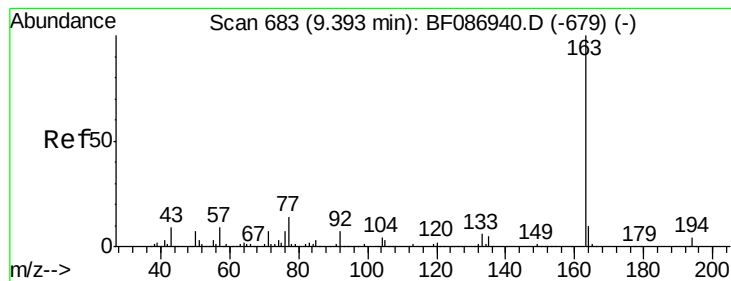
#44
 2-Fluorobiphenyl
 Concen: 100.75 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.08 min
 Lab File: BF087017.D
 Acq: 14 May 2016 13:47

Tgt Ion:172 Resp: 1586006
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.0 43.6
 170 24.9 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





#49

Dimethylphthalate

Concen: 2.85 ng

RT: 9.38 min Scan# 682

Delta R.T. -0.09 min

Lab File: BF087017.D

Acq: 14 May 2016 13:47

Instrument :

BNA_F

ClientSampleId :

OWL-C2-GW

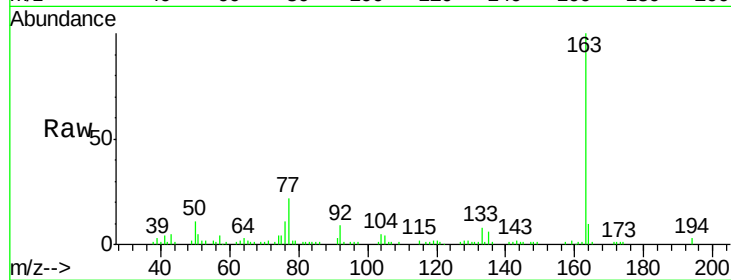
Tgt Ion:163 Resp: 57499

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

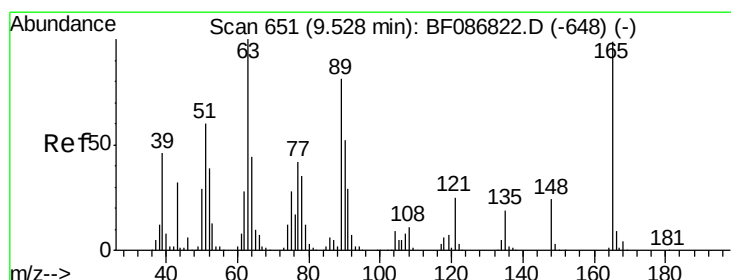
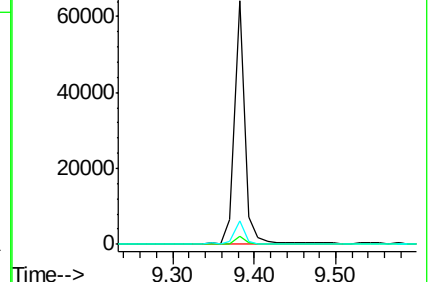
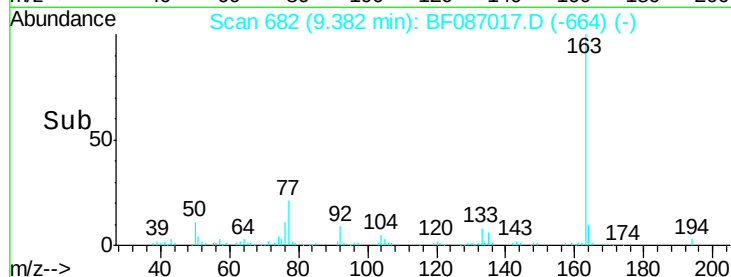
164 9.7 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 8.23 ng

RT: 9.64 min Scan# 705

Delta R.T. 0.12 min

Lab File: BF087017.D

Acq: 14 May 2016 13:47

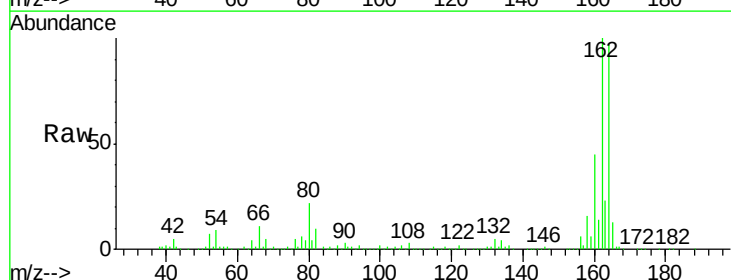
Tgt Ion:165 Resp: 34954

Ion Ratio Lower Upper

165 100

63 3.3 51.8 77.8#

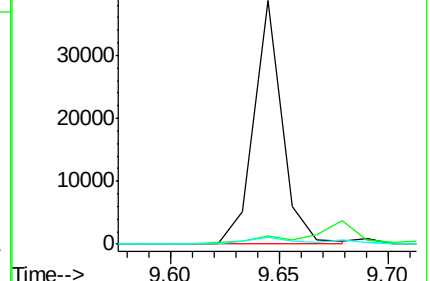
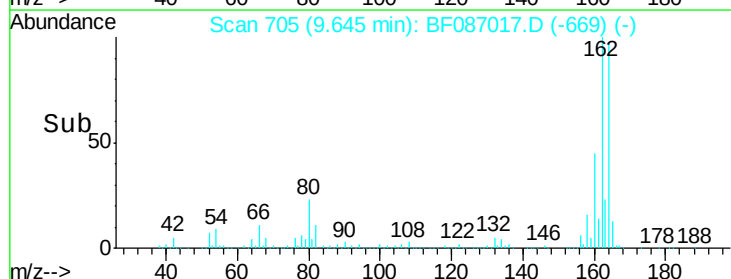
89 2.8 50.7 76.1#

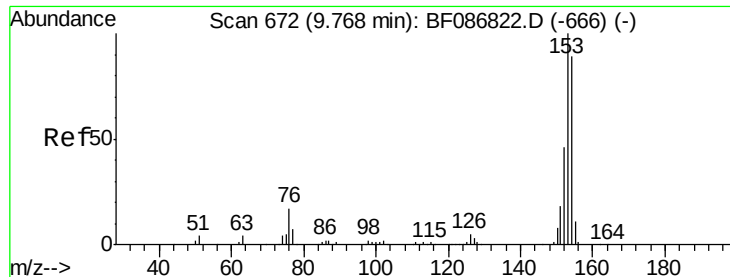


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 2.21 ng

RT: 9.68 min Scan# 708

Delta R.T. -0.09 min

Lab File: BF087017.D

Acq: 14 May 2016 13:47

Instrument :

BNA_F

ClientSampleId :

OWL-C2-GW

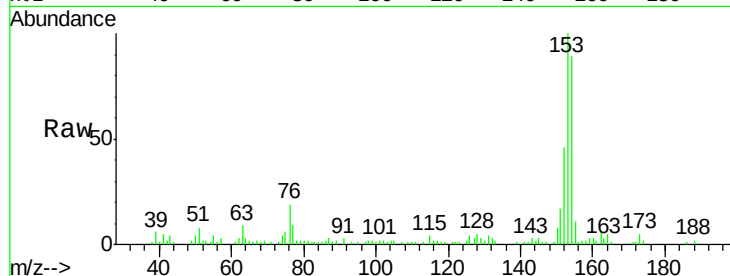
Tgt Ion:154 Resp: 33408

Ion Ratio Lower Upper

154 100

153 112.6 89.8 134.6

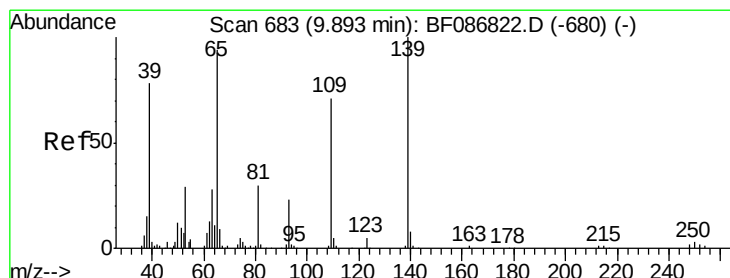
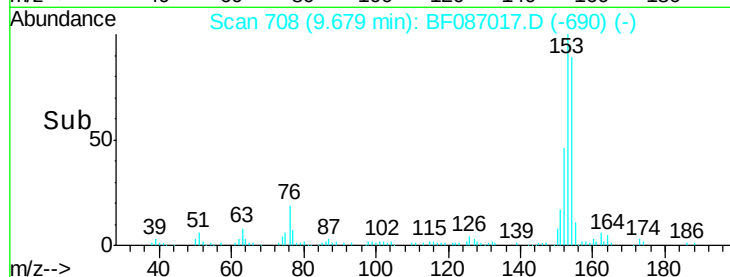
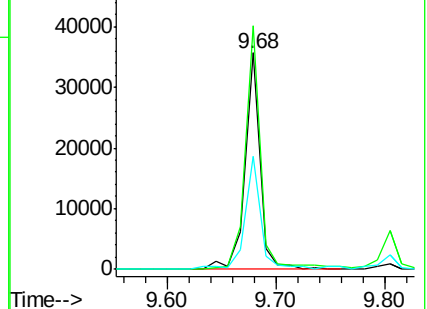
152 52.3 43.4 65.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

4-Nitrophenol

Concen: 4.87 ng

RT: 9.96 min Scan# 733

Delta R.T. 0.07 min

Lab File: BF087017.D

Acq: 14 May 2016 13:47

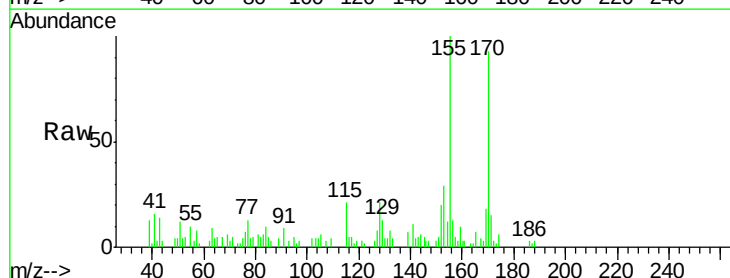
Tgt Ion:139 Resp: 973

Ion Ratio Lower Upper

139 100

109 51.9 36.9 76.9

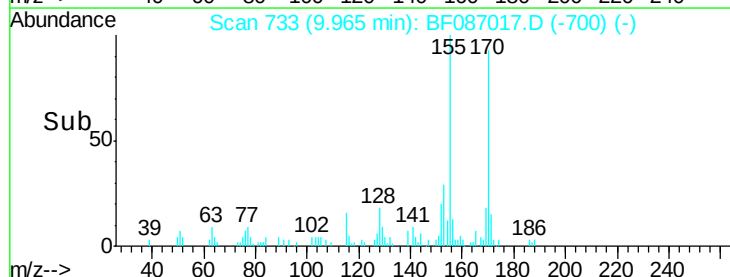
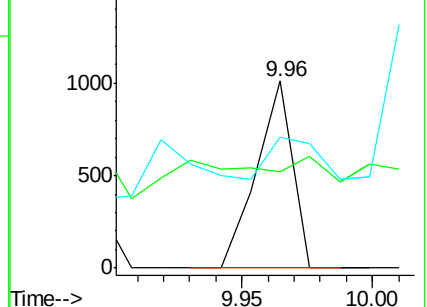
65 69.8 64.0 104.0

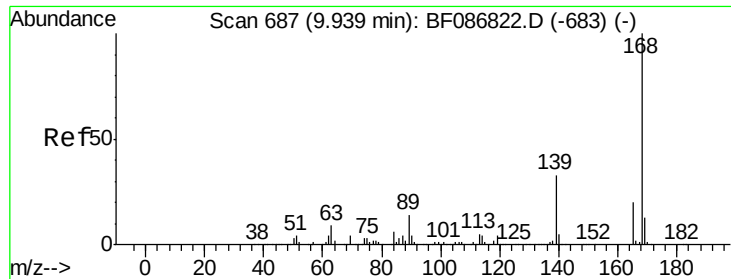


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

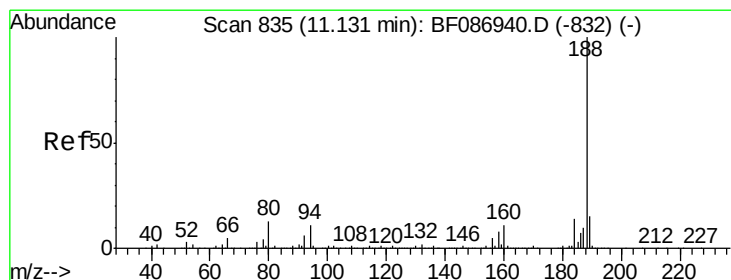
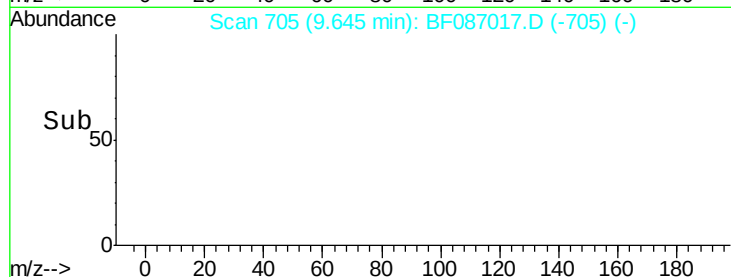
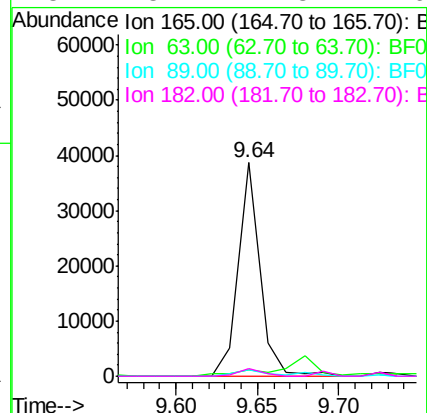
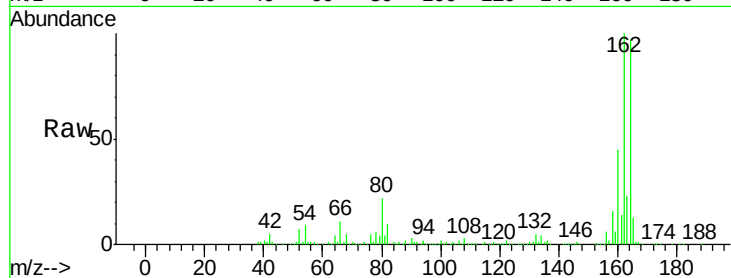




#56
 2,4-Dinitrotoluene
 Concen: 6.75 ng
 RT: 9.64 min Scan# 705
 Delta R.T. -0.29 min
 Lab File: BF087017.D
 Acq: 14 May 2016 13:47

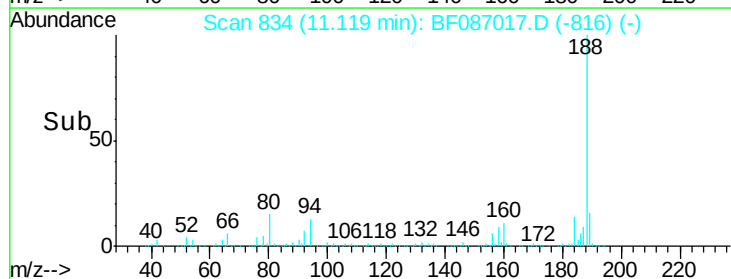
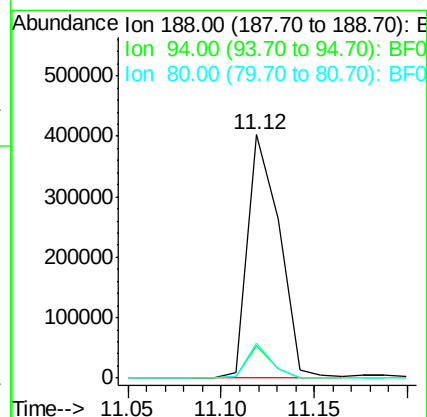
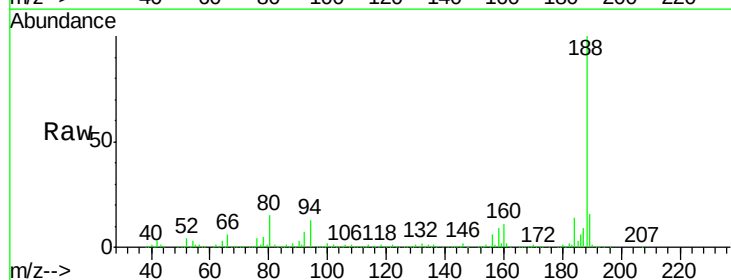
Instrument :
 BNA_F
 ClientSampleId :
 OWL-C2-GW

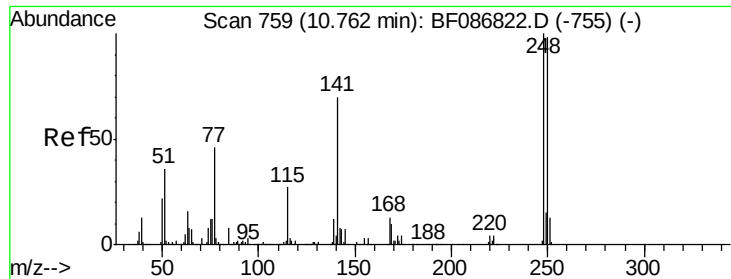
Tgt Ion:	165	Resp:	35507
Ion Ratio	Lower	Upper	
165	100		
63	3.3	44.3	66.5#
89	2.8	70.0	105.0#
182	3.4	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.12 min Scan# 834
 Delta R.T. -0.09 min
 Lab File: BF087017.D
 Acq: 14 May 2016 13:47

Tgt Ion:	188	Resp:	479632
Ion Ratio	Lower	Upper	
188	100		
94	13.2	6.8	10.2#
80	14.6	7.1	10.7#

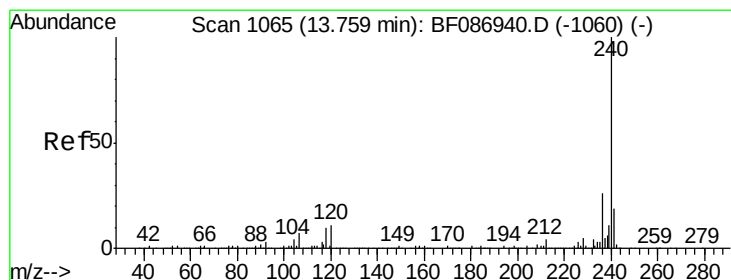
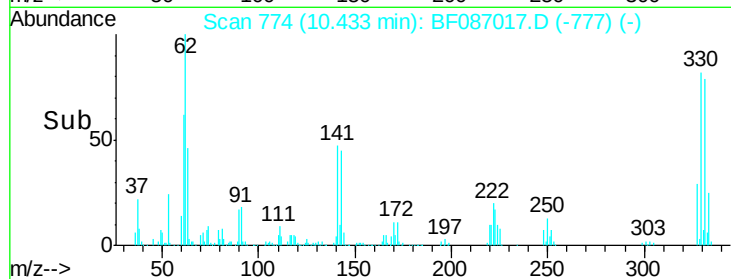
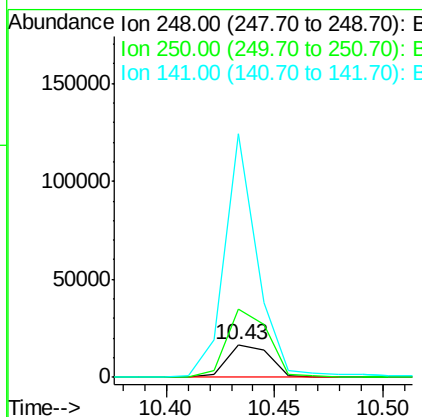
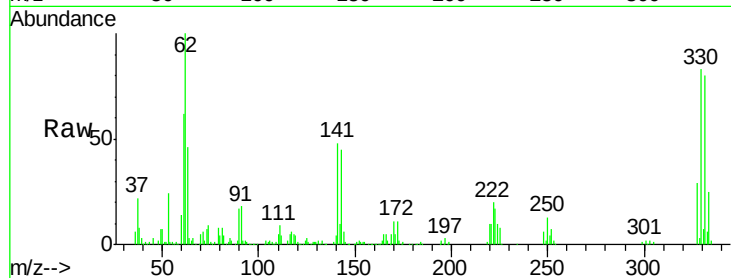




#66
 4-Bromophenyl-phenylether
 Concen: 4.64 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.33 min
 Lab File: BF087017.D
 Acq: 14 May 2016 13:47

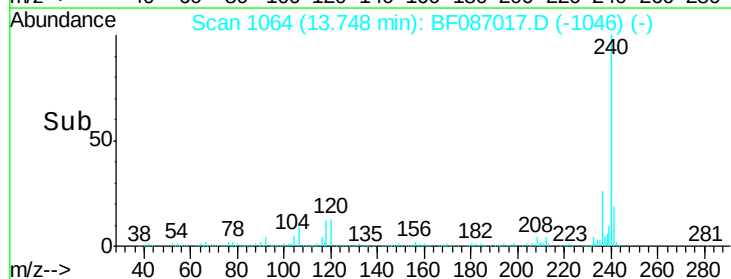
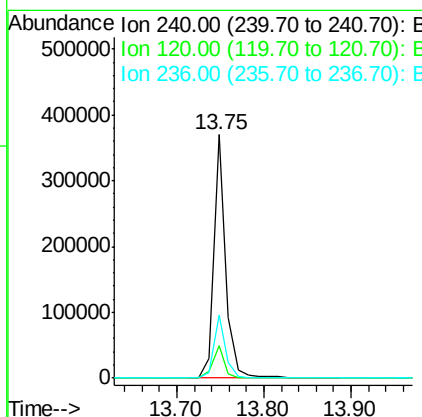
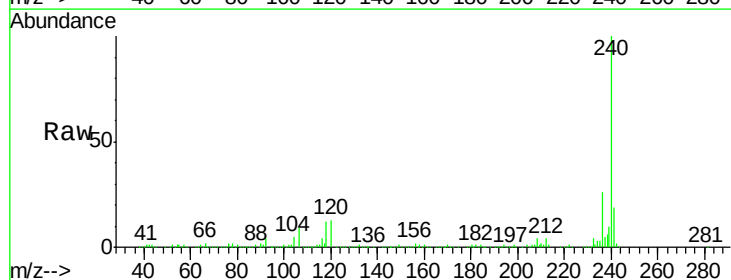
Instrument :
 BNA_F
 ClientSampleId :
 OWL-C2-GW

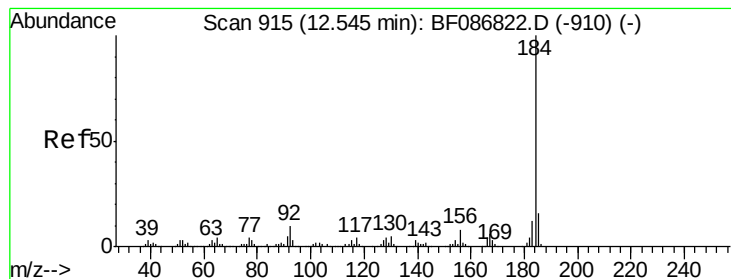
Tgt Ion:248 Resp: 22567
 Ion Ratio Lower Upper
 248 100
 250 206.1 78.6 117.8#
 141 740.4 76.0 114.0#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.75 min Scan# 1064
 Delta R.T. -0.09 min
 Lab File: BF087017.D
 Acq: 14 May 2016 13:47

Tgt Ion:240 Resp: 358426
 Ion Ratio Lower Upper
 240 100
 120 13.4 11.2 16.8
 236 26.2 21.2 31.8





#76

Benzidine

Concen: 2.37 ng

RT: 12.71 min Scan# 973

Delta R.T. 0.16 min

Lab File: BF087017.D

Acq: 14 May 2016 13:47

Instrument :

BNA_F

ClientSampleId :

OWL-C2-GW

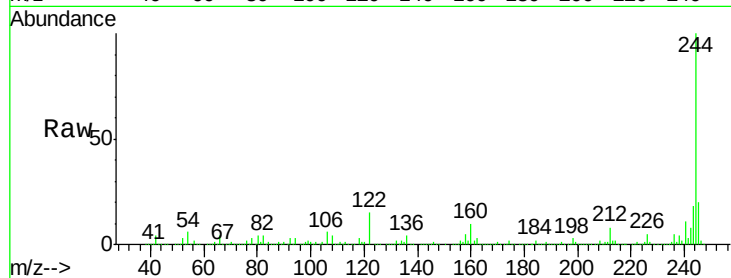
Tgt Ion:184 Resp: 21675

Ion Ratio Lower Upper

184 100

185 17.4 13.6 20.4

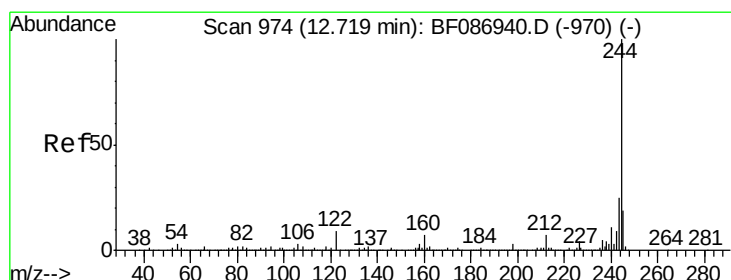
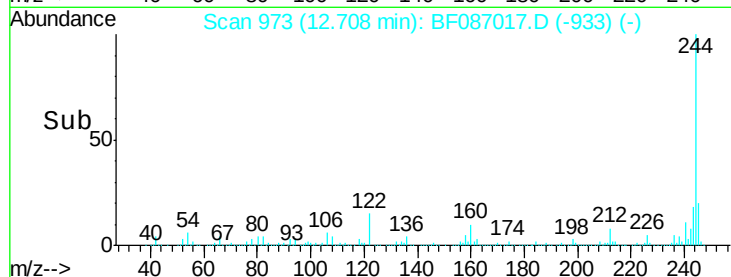
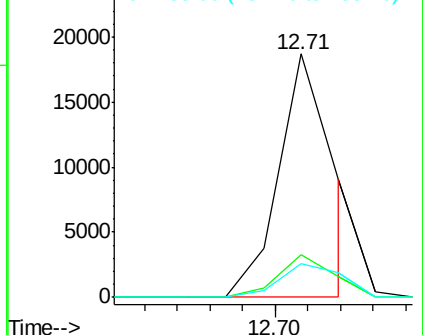
183 14.0 9.8 14.6



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: 85.73 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.09 min

Lab File: BF087017.D

Acq: 14 May 2016 13:47

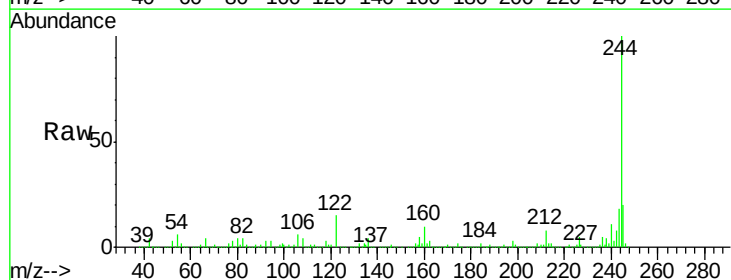
Tgt Ion:244 Resp: 1448188

Ion Ratio Lower Upper

244 100

212 8.3 6.2 9.2

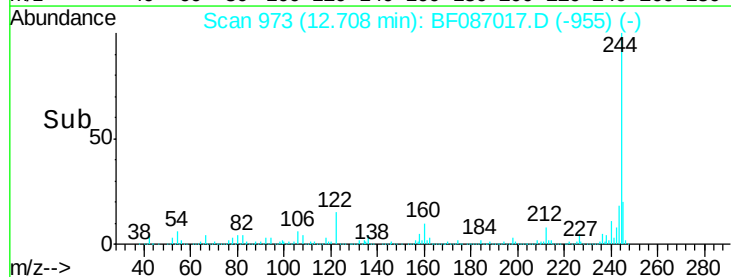
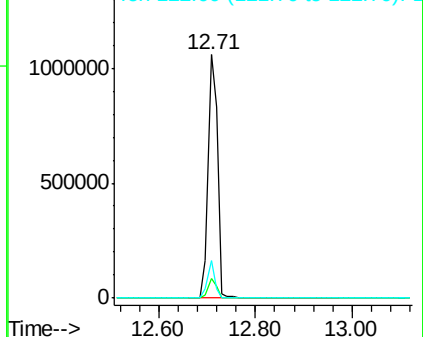
122 15.2 12.0 18.0

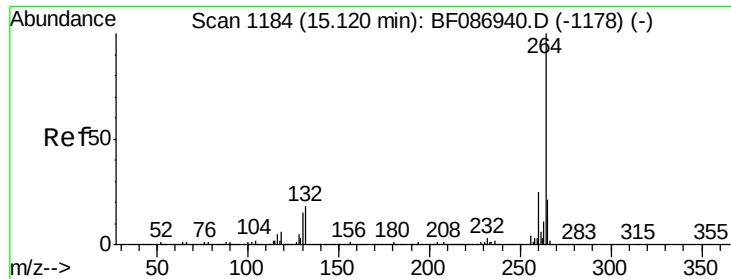


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF087017.D
Acq: 14 May 2016 13:47

Instrument :
BNA_F
ClientSampleId :
OWL-C2-GW

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.5	29.3
265	21.7	17.3	25.9

