

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051316\
 Data File : BF087018.D
 Acq On : 14 May 2016 14:16
 Operator : UM/SJ
 Sample : H2990-03
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OWL-C5-GW

Quant Time: May 16 01:06:11 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

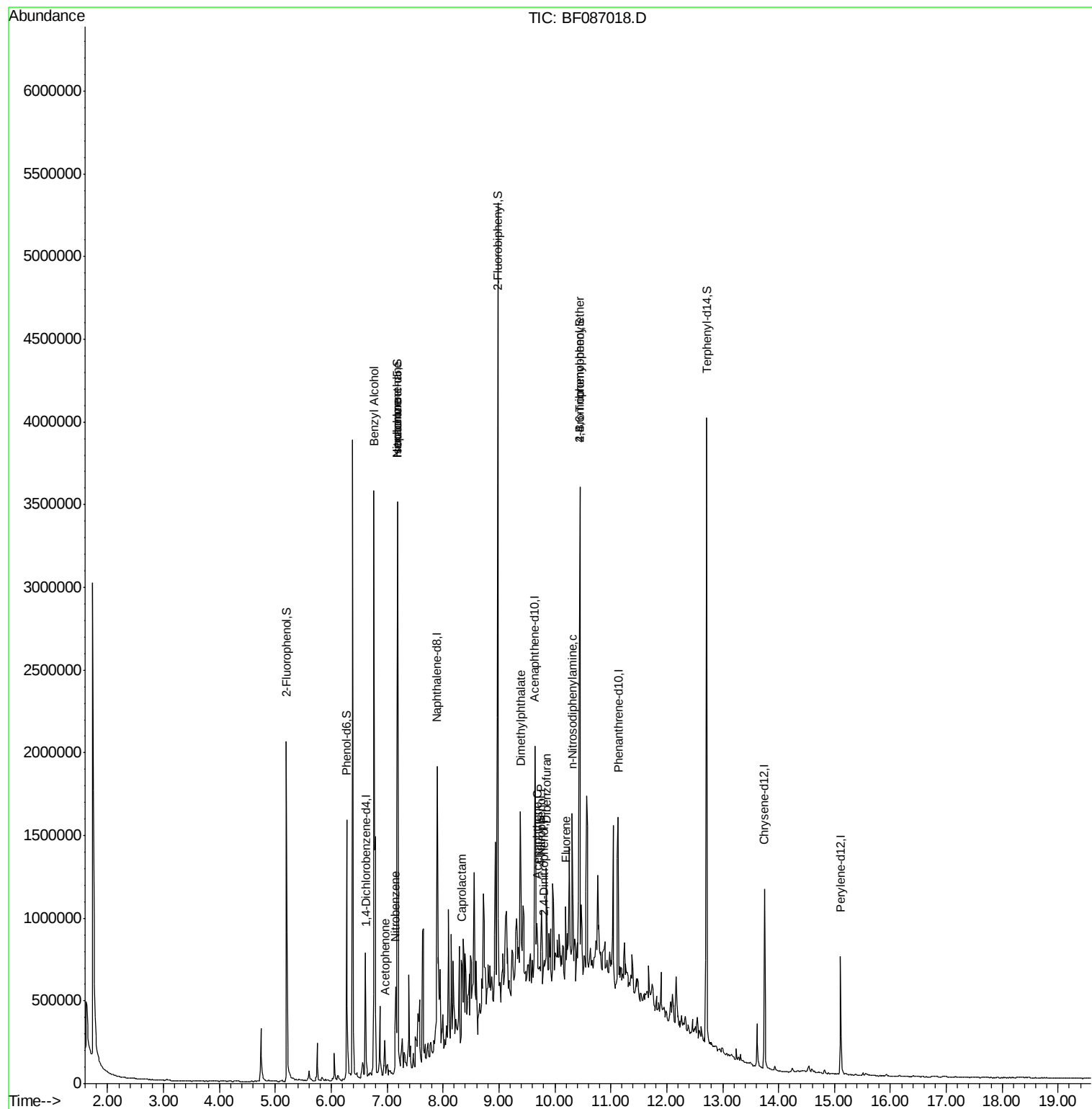
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	149563	20.00	ng	-0.08
21) Naphthalene-d8	7.90	136	574969	20.00	ng	-0.09
38) Acenaphthene-d10	9.64	164	268377	20.00	ng	-0.09
63) Phenanthrene-d10	11.13	188	496215	20.00	ng	-0.08
75) Chrysene-d12	13.75	240	359528	20.00	ng	-0.09
86) Perylene-d12	15.11	264	292015	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	597389	67.64	ng	-0.09
7) Phenol-d6	6.27	99	504483	42.74	ng	-0.09
23) Nitrobenzene-d5	7.19	82	1036808	90.55	ng	-0.08
41) 2,4,6-Tribromophenol	10.44	330	443296	156.02	ng	-0.08
44) 2-Fluorobiphenyl	8.98	172	1597828	100.06	ng	-0.08
78) Terphenyl-d14	12.72	244	1702959	100.50	ng	-0.08
Target Compounds						
15) Benzyl Alcohol	6.76	79	23511	2.88	ng	# 42
18) Hexachloroethane	7.19	117	278736	62.99	ng	# 10
22) Acetophenone	6.96	105	44692	3.29	ng	# 67
24) Nitrobenzene	7.15	77	35354	3.00	ng	# 11
25) Isophorone	7.19	82	1002095	47.17	ng	# 69
35) Caprolactam	8.34	113	14256	5.40	ng	# 1
49) Dimethylphthalate	9.38	163	64724	3.16	ng	98
51) Acenaphthene	9.68	154	52207	3.41	ng	98
53) 2,4-Dinitrophenol	9.80	184	318	7.82	ng	# 1
54) Dibenzofuran	9.85	168	43545	2.22	ng	# 45
55) 4-Nitrophenol	9.76	139	8440	7.19	ng	# 24
57) Fluorene	10.19	166	83364	4.98	ng	# 94
60) 4-Chlorophenyl-phenylether	10.18	204	641	Below Cal		# 1
65) n-Nitrosodiphenylamine	10.31	169	65569	4.30	ng	# 64
66) 4-Bromophenyl-phenylether	10.44	248	27262	5.42	ng	# 1

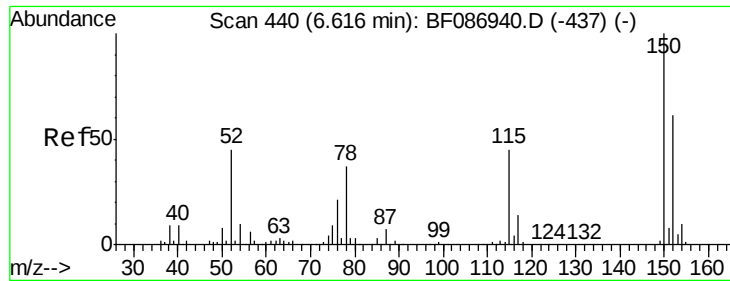
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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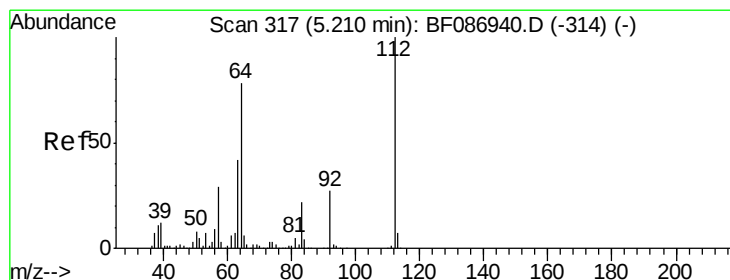
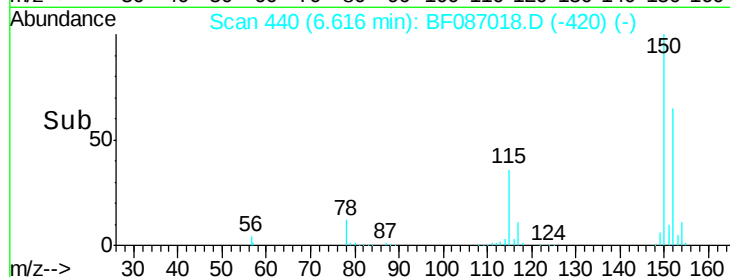
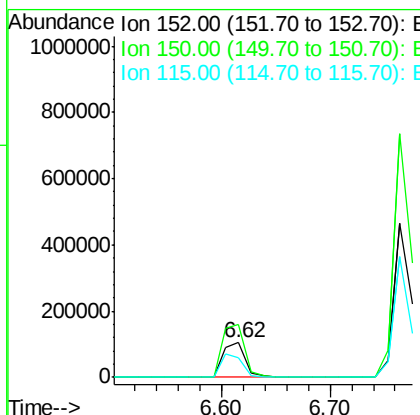
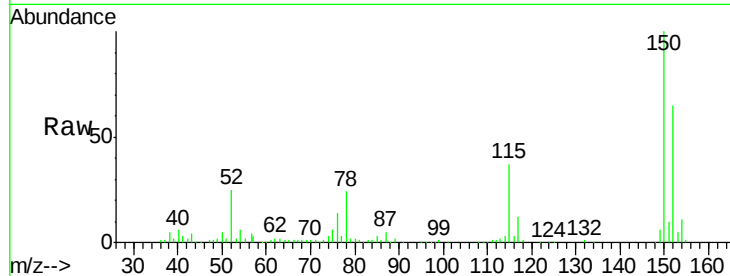




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.62 min Scan# 440
 Delta R.T. -0.08 min
 Lab File: BF087018.D
 Acq: 14 May 2016 14:16

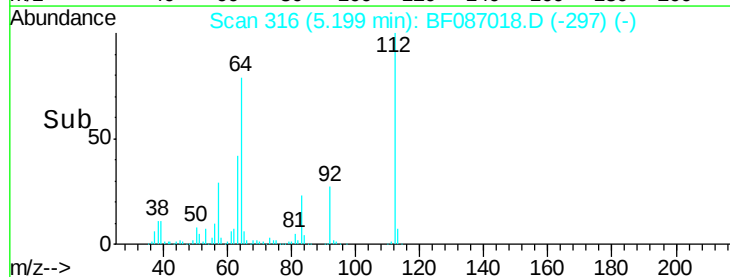
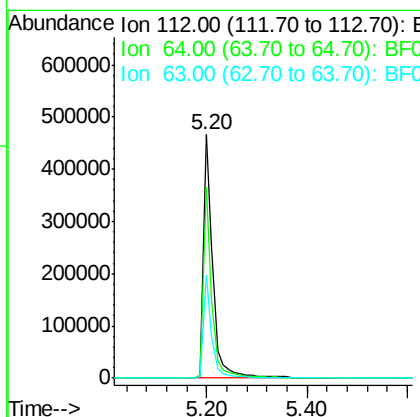
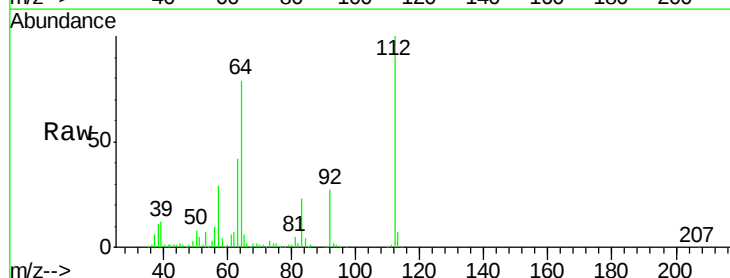
Instrument :
 BNA_F
 ClientSampleId :
 OWL-C5-GW

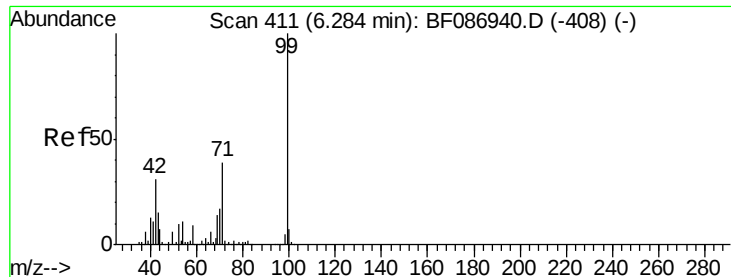
Tgt Ion:152 Resp: 149563
 Ion Ratio Lower Upper
 152 100
 150 153.0 125.8 188.6
 115 56.1 51.5 77.3



#5
 2-Fluorophenol
 Concen: 67.64 ng
 RT: 5.20 min Scan# 316
 Delta R.T. -0.09 min
 Lab File: BF087018.D
 Acq: 14 May 2016 14:16

Tgt Ion:112 Resp: 597389
 Ion Ratio Lower Upper
 112 100
 64 78.6 52.1 78.1#
 63 42.5 25.7 38.5#





#7

Phenol-d6

Concen: 42.74 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.09 min

Lab File: BF087018.D

Acq: 14 May 2016 14:16

Instrument :

BNA_F

ClientSampleId :

OWL-C5-GW

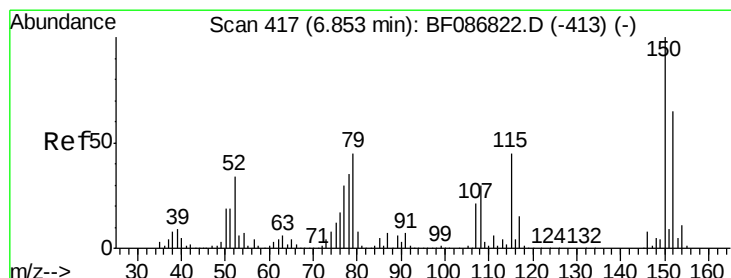
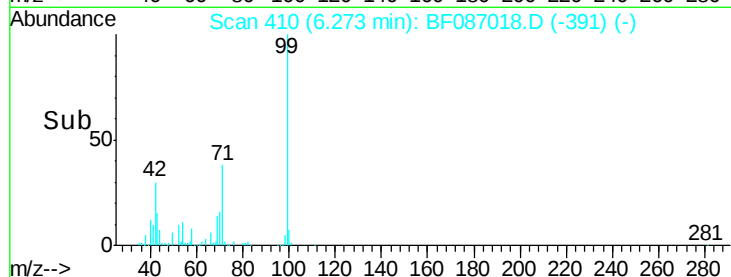
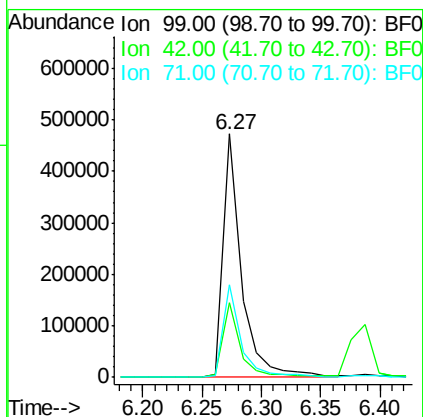
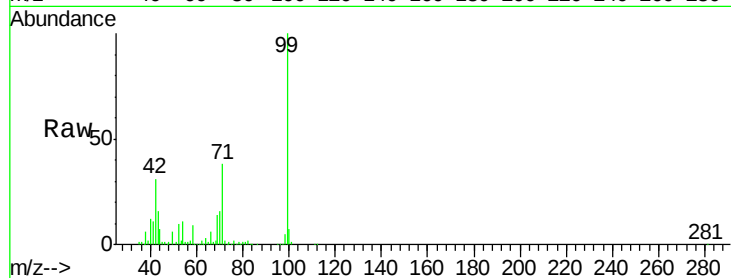
Tgt Ion: 99 Resp: 504483

Ion Ratio Lower Upper

99 100

42 30.6 13.6 20.4#

71 37.8 24.6 36.8#



#15

Benzyl Alcohol

Concen: 2.88 ng

RT: 6.76 min Scan# 453

Delta R.T. -0.09 min

Lab File: BF087018.D

Acq: 14 May 2016 14:16

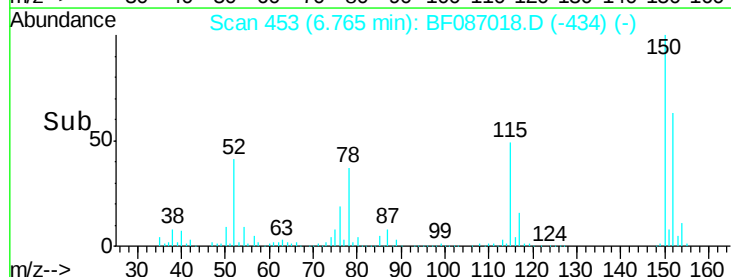
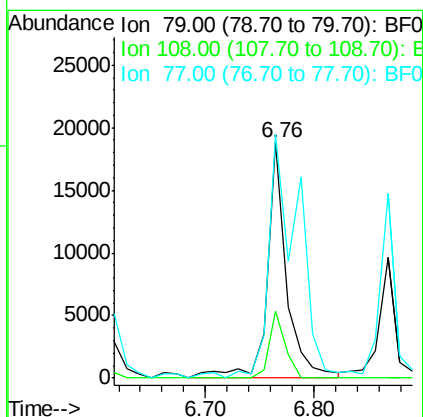
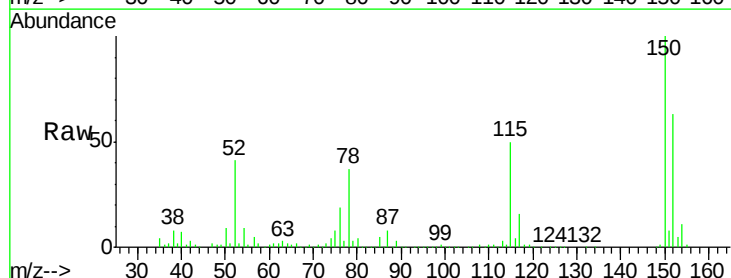
Tgt Ion: 79 Resp: 23511

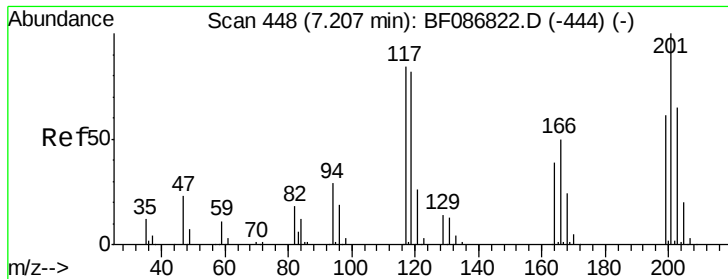
Ion Ratio Lower Upper

79 100

108 28.5 68.4 102.6#

77 103.4 50.6 76.0#

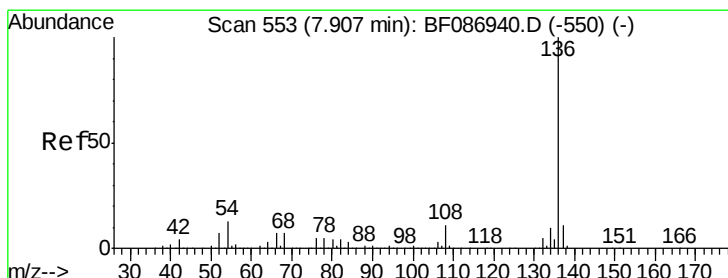
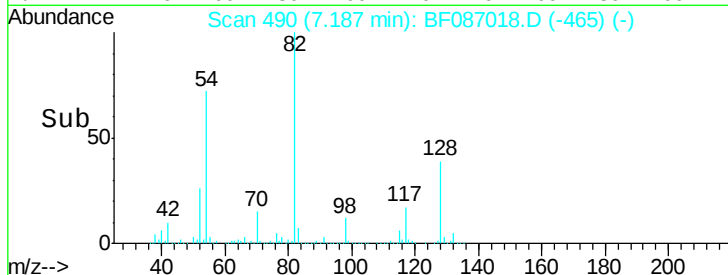
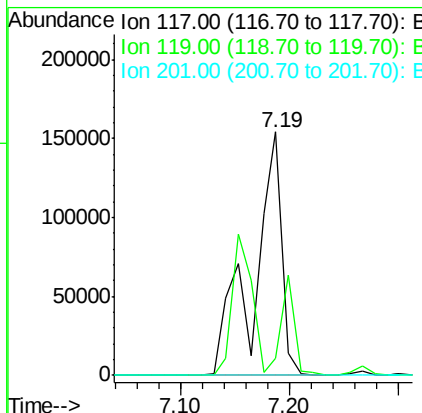
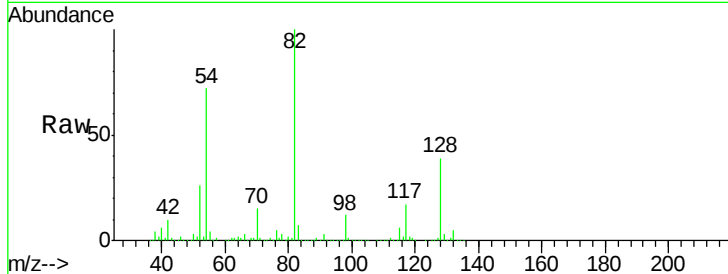




#18
Hexachloroethane
Concen: 62.99 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.02 min
Lab File: BF087018.D
Acq: 14 May 2016 14:16

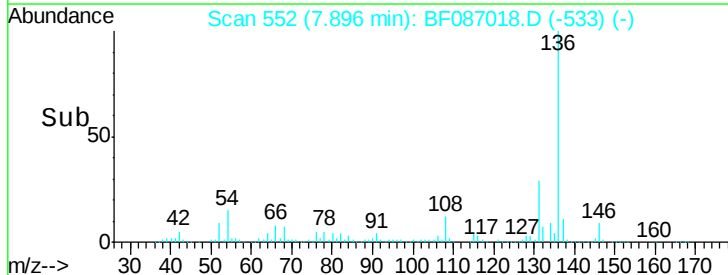
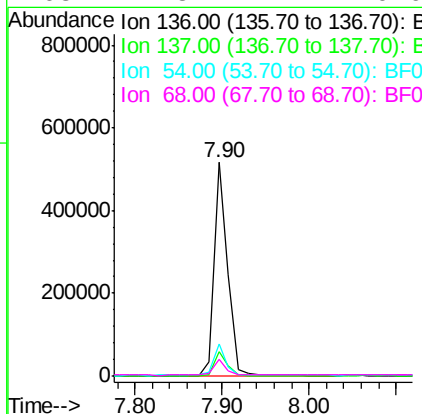
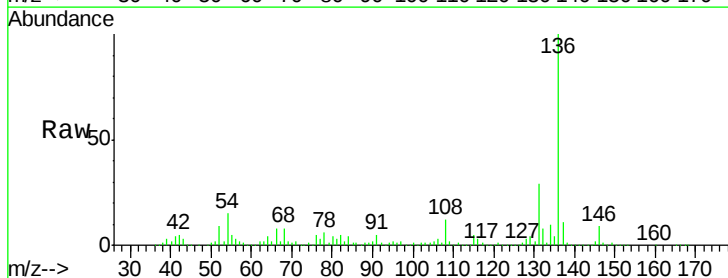
Instrument :
BNA_F
ClientSampleId :
OWL-C5-GW

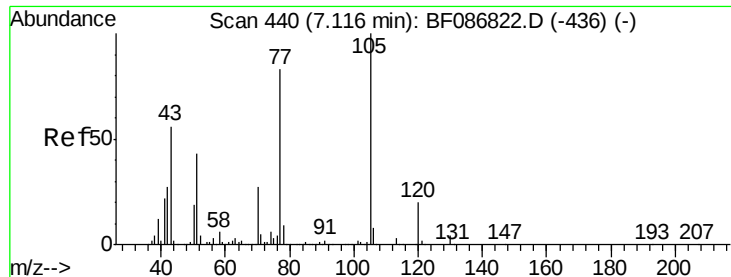
Tgt Ion:117 Resp: 278736
Ion Ratio Lower Upper
117 100
119 7.2 76.5 114.7#
201 0.0 63.0 94.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.09 min
Lab File: BF087018.D
Acq: 14 May 2016 14:16

Tgt Ion:136 Resp: 574969
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 15.2 5.0 7.4#
68 7.8 4.4 6.6#





#22

Acetophenone

Concen: 3.29 ng

RT: 6.96 min Scan# 470

Delta R.T. -0.16 min

Lab File: BF087018.D

Acq: 14 May 2016 14:16

Instrument :

BNA_F

ClientSampleId :

OWL-C5-GW

Tgt Ion:105 Resp: 44692

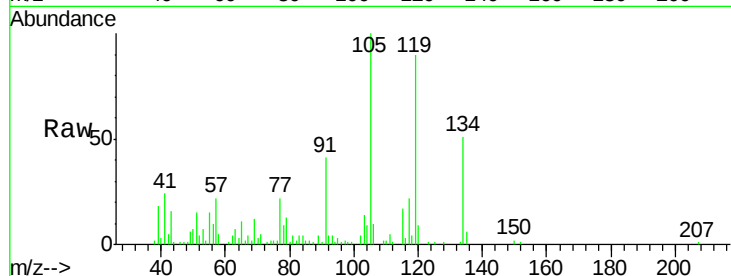
Ion Ratio Lower Upper

105 100

71 4.5 4.8 7.2#

51 15.0 32.6 49.0#

120 9.2 16.5 24.7#

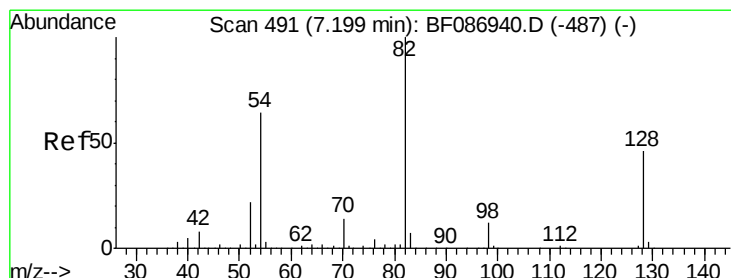
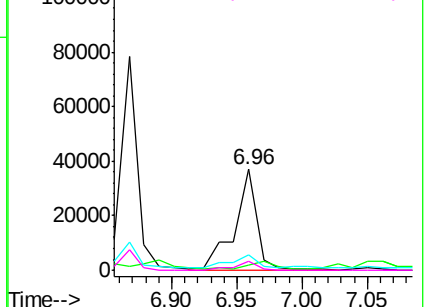
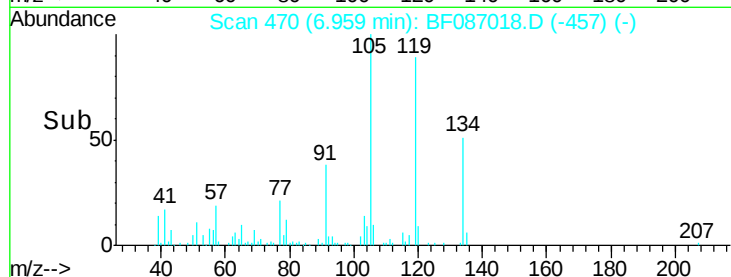


Abundance Ion 105.00 (104.70 to 105.70): E

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: 90.55 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.08 min

Lab File: BF087018.D

Acq: 14 May 2016 14:16

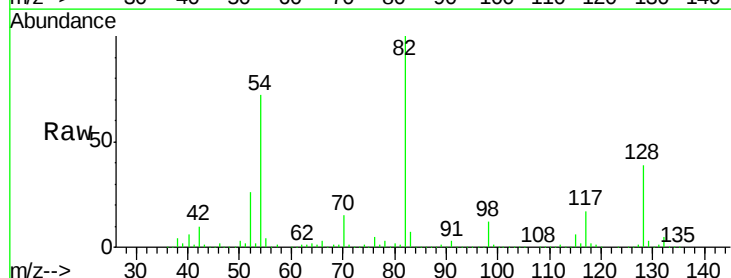
Tgt Ion: 82 Resp: 1036808

Ion Ratio Lower Upper

82 100

128 39.2 40.6 61.0#

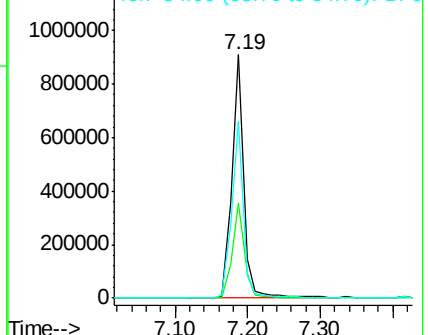
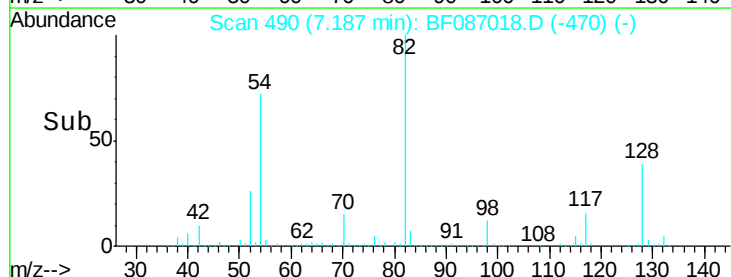
54 72.5 38.1 57.1#

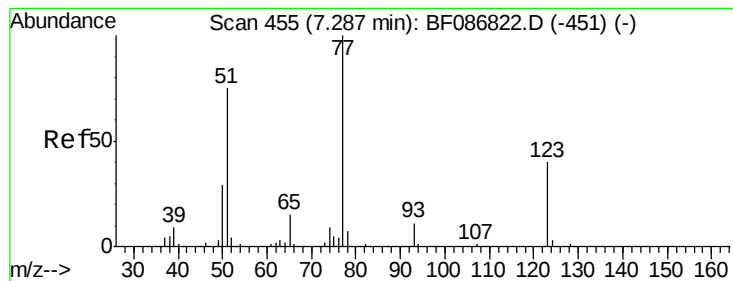


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 3.00 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.13 min

Lab File: BF087018.D

Acq: 14 May 2016 14:16

Instrument :

BNA_F

ClientSampleId :

OWL-C5-GW

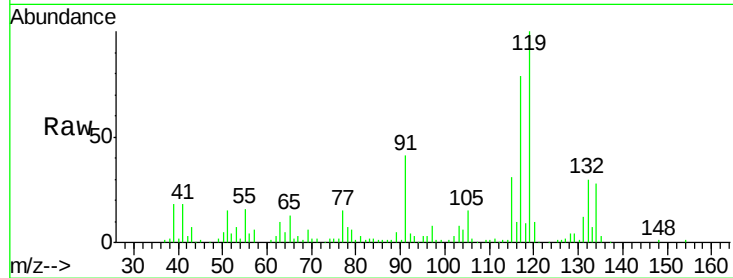
Tgt Ion: 77 Resp: 35354

Ion Ratio Lower Upper

77 100

123 2.6 33.0 49.4#

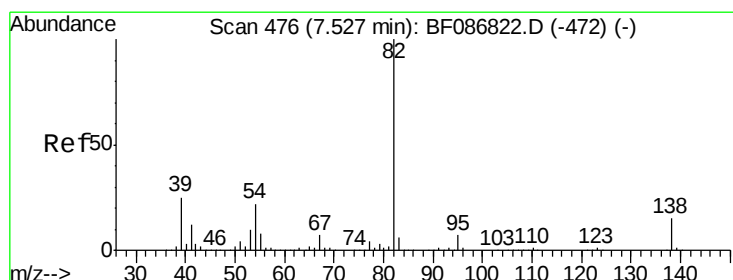
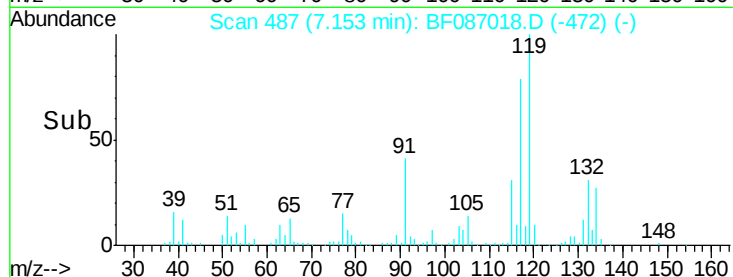
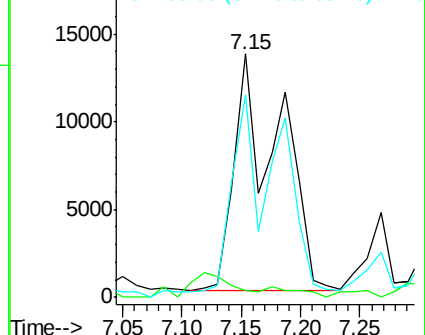
65 83.5 10.8 16.2#



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: 47.17 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.34 min

Lab File: BF087018.D

Acq: 14 May 2016 14:16

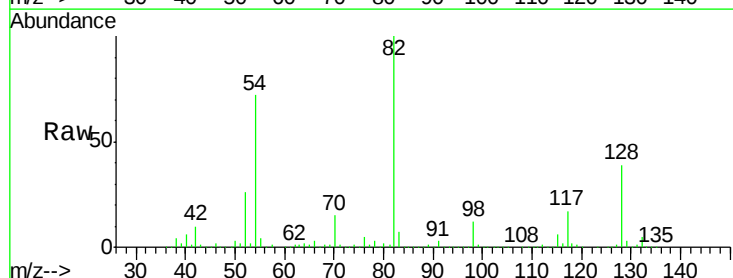
Tgt Ion: 82 Resp: 1002095

Ion Ratio Lower Upper

82 100

95 0.2 5.1 7.7#

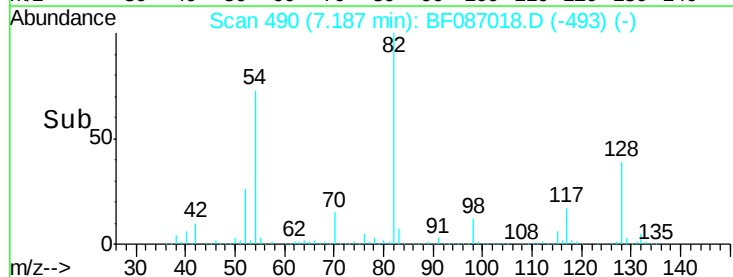
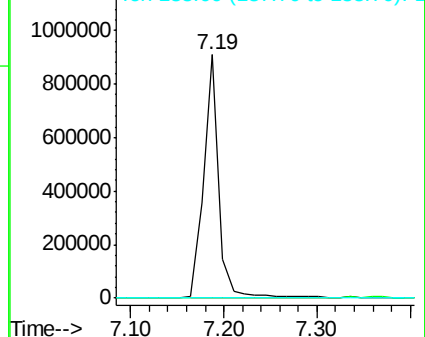
138 0.0 12.4 18.6#

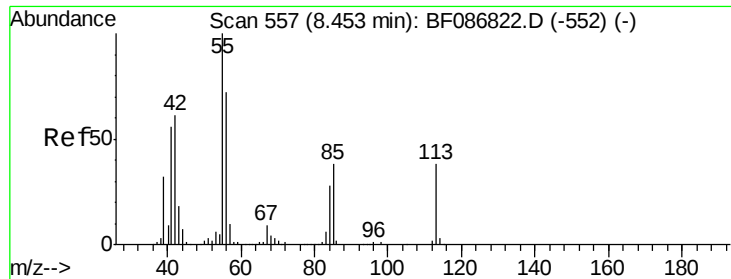


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

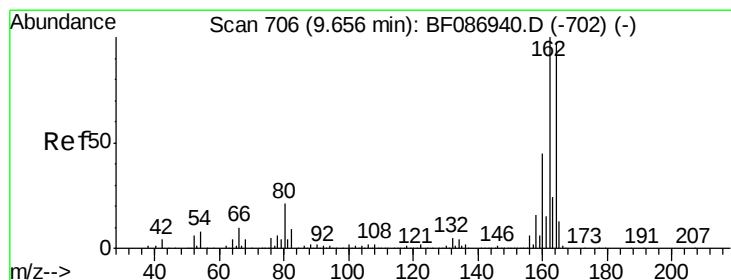
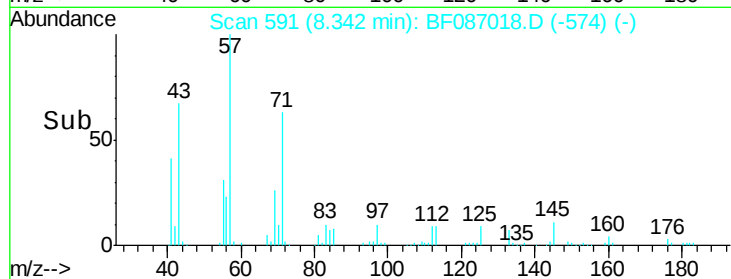
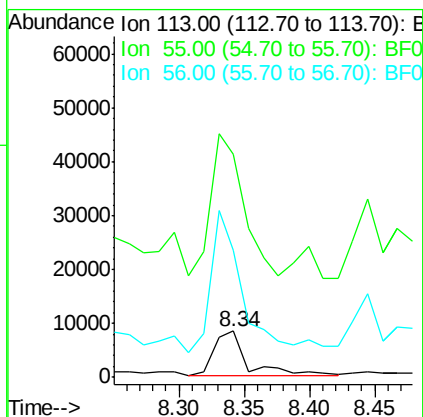
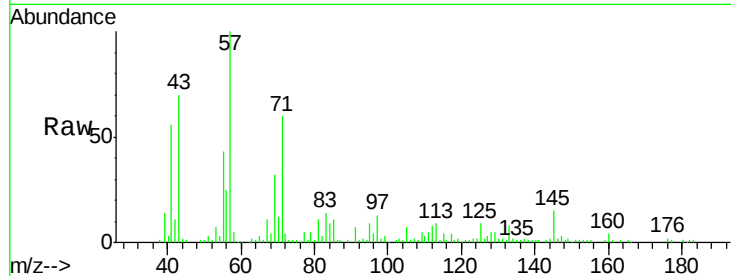




#35
 Caprolactam
 Concen: 5.40 ng
 RT: 8.34 min Scan# 591
 Delta R.T. -0.11 min
 Lab File: BF087018.D
 Acq: 14 May 2016 14:16

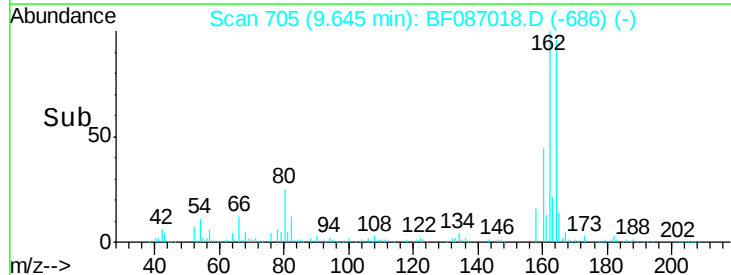
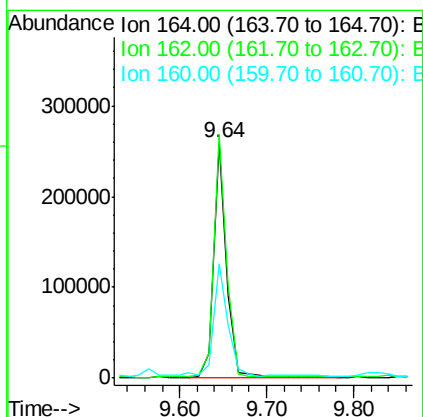
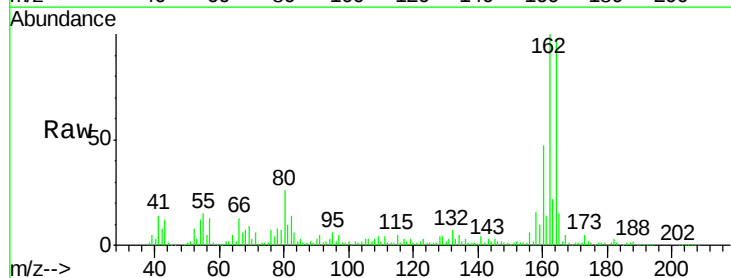
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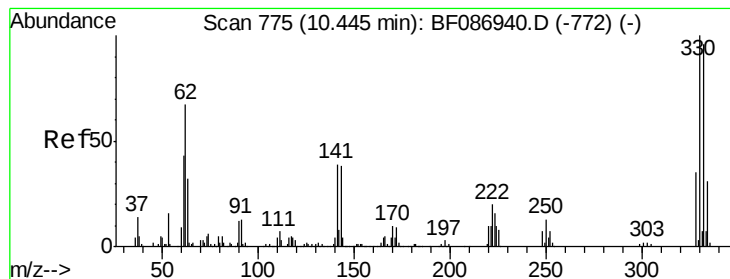
Tgt Ion:113 Resp: 14256
 Ion Ratio Lower Upper
 113 100
 55 483.0 162.0 202.0#
 56 276.4 115.3 155.3#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.64 min Scan# 705
 Delta R.T. -0.09 min
 Lab File: BF087018.D
 Acq: 14 May 2016 14:16

Tgt Ion:164 Resp: 268377
 Ion Ratio Lower Upper
 164 100
 162 103.5 82.8 124.2
 160 48.4 36.9 55.3

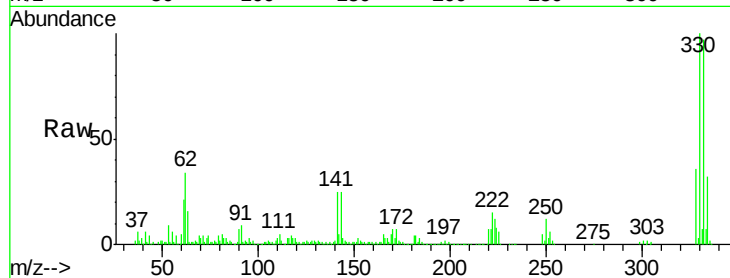




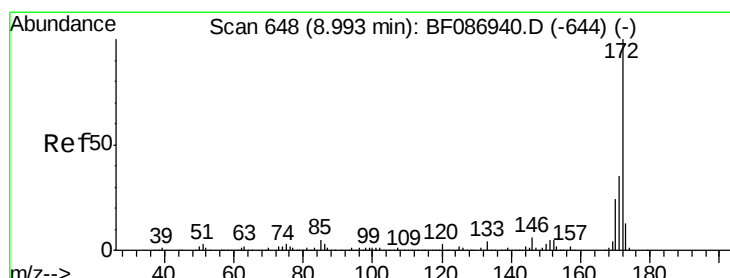
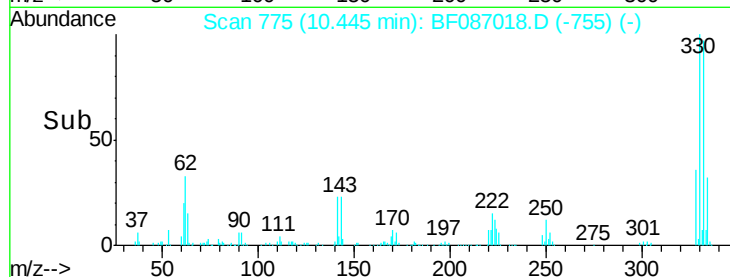
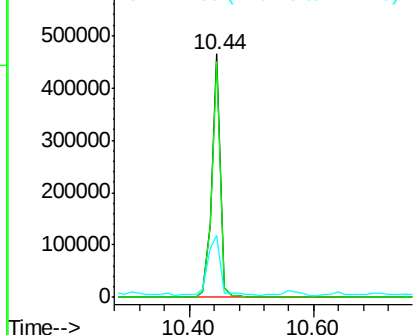
#41
 2,4,6-Tribromophenol
 Concen: 156.02 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.08 min
 Lab File: BF087018.D
 Acq: 14 May 2016 14:16

Instrument :
 BNA_F
 ClientSampleId :
 OWL-C5-GW

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	79.0	118.4
141	37.2	31.2	46.8

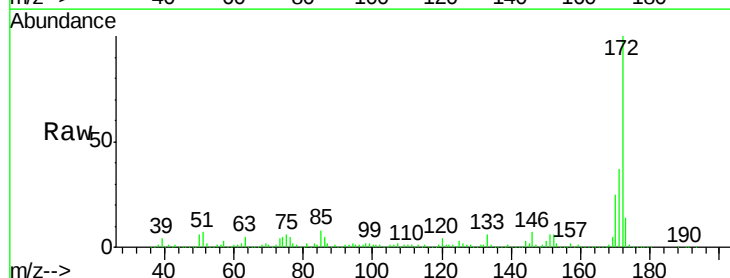


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

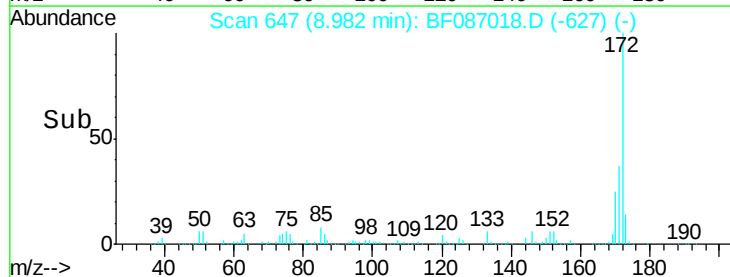
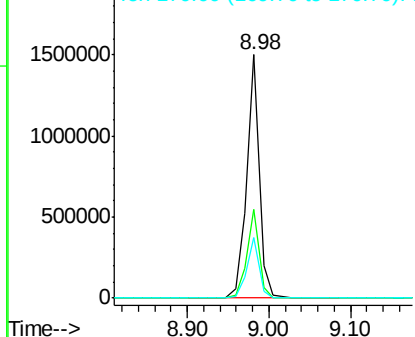


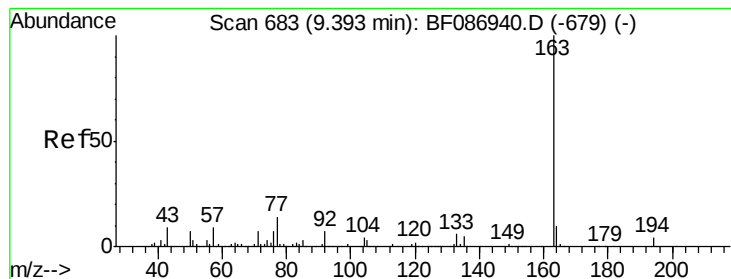
#44
 2-Fluorobiphenyl
 Concen: 100.06 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.08 min
 Lab File: BF087018.D
 Acq: 14 May 2016 14:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	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





#49

Dimethylphthalate

Concen: 3.16 ng

RT: 9.38 min Scan# 682

Delta R.T. -0.09 min

Lab File: BF087018.D

Acq: 14 May 2016 14:16

Instrument :

BNA_F

ClientSampleId :

OWL-C5-GW

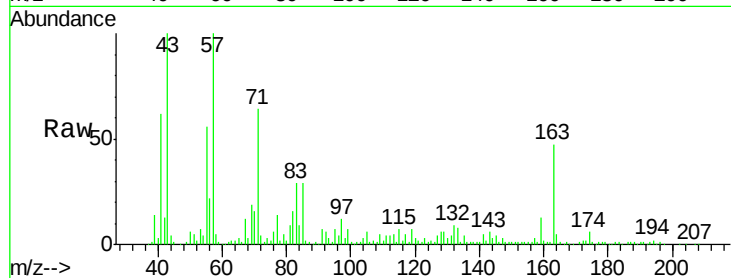
Tgt Ion:163 Resp: 64724

Ion Ratio Lower Upper

163 100

194 3.6 2.6 4.0

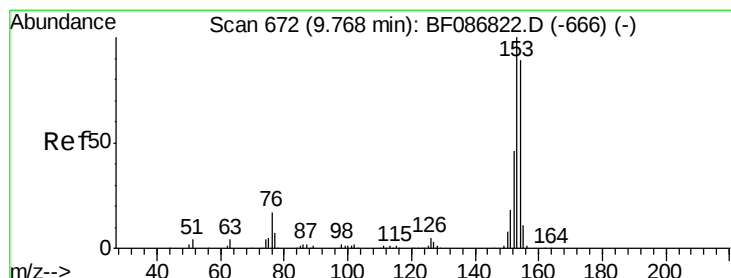
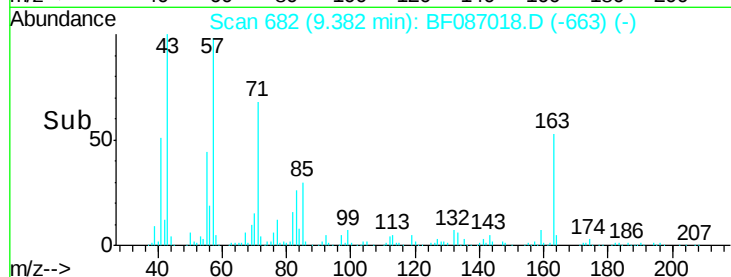
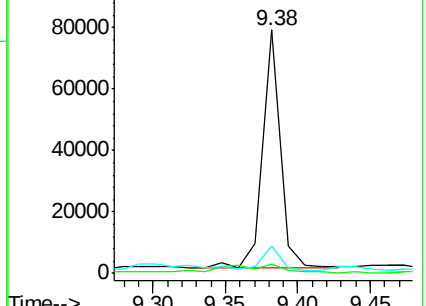
164 11.1 8.2 12.4



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



#51

Acenaphthene

Concen: 3.41 ng

RT: 9.68 min Scan# 708

Delta R.T. -0.09 min

Lab File: BF087018.D

Acq: 14 May 2016 14:16

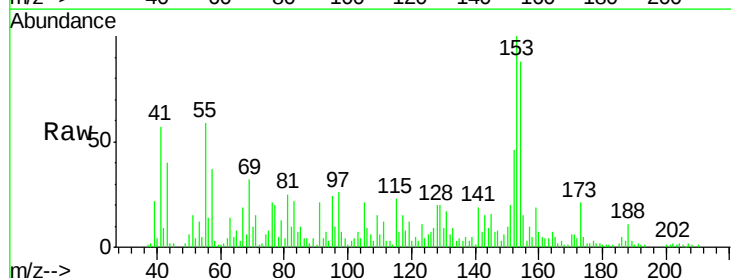
Tgt Ion:154 Resp: 52207

Ion Ratio Lower Upper

154 100

153 113.8 89.8 134.6

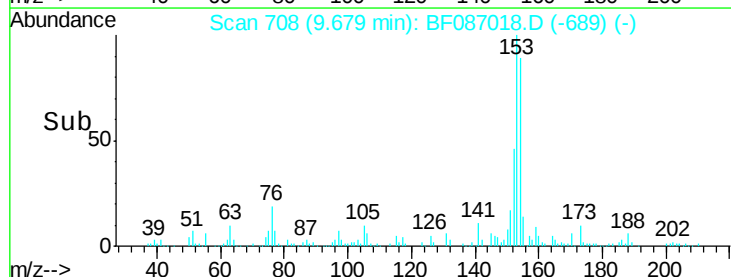
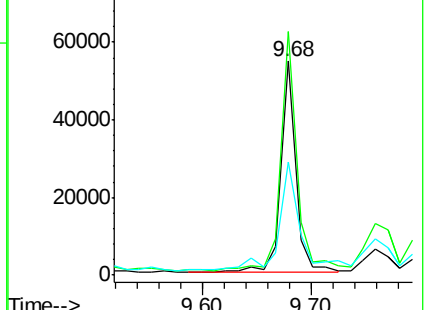
152 52.8 43.4 65.0

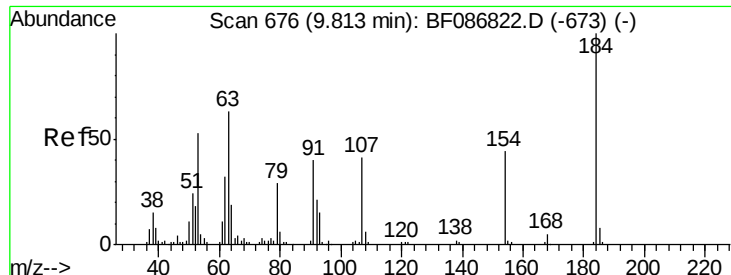


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

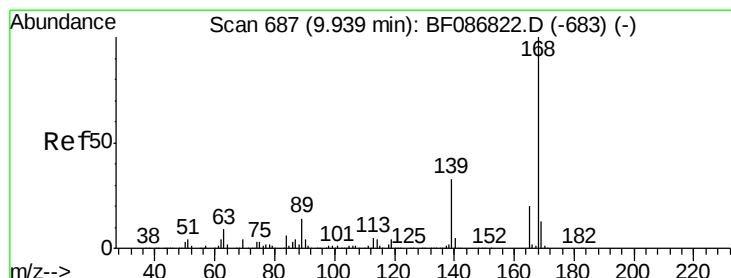
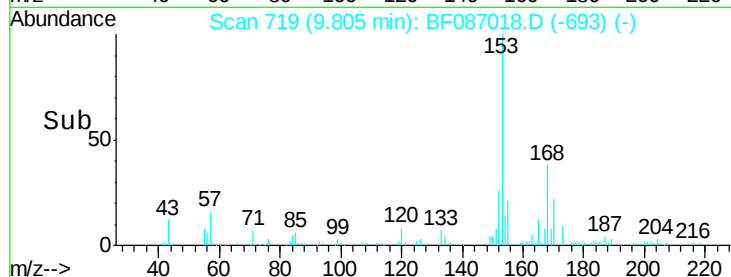
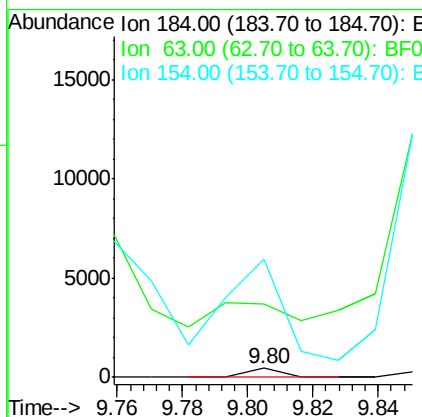
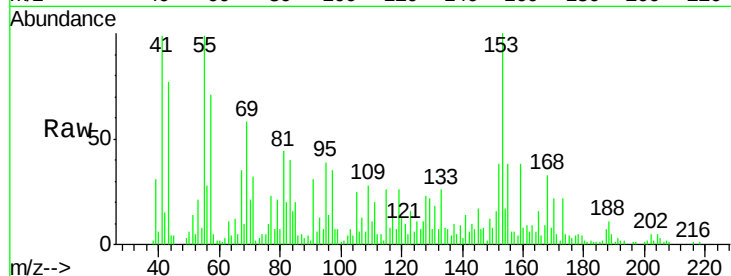




#53
2,4-Dinitrophenol
Concen: 7.82 ng
RT: 9.80 min Scan# 719
Delta R.T. -0.01 min
Lab File: BF087018.D
Acq: 14 May 2016 14:16

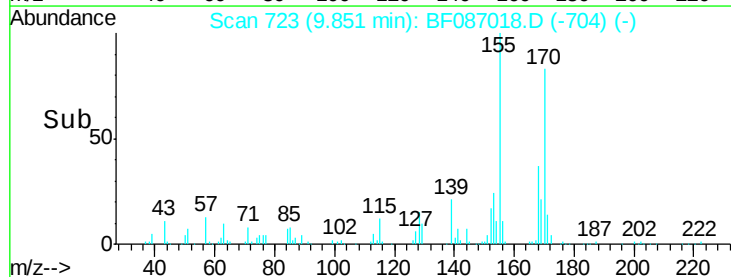
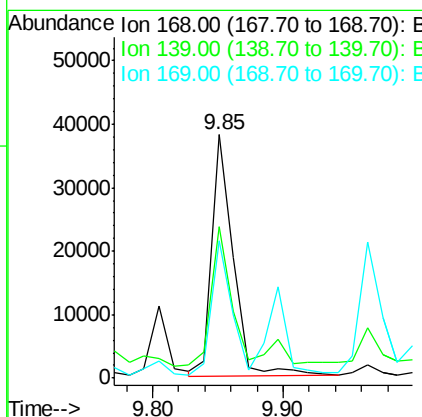
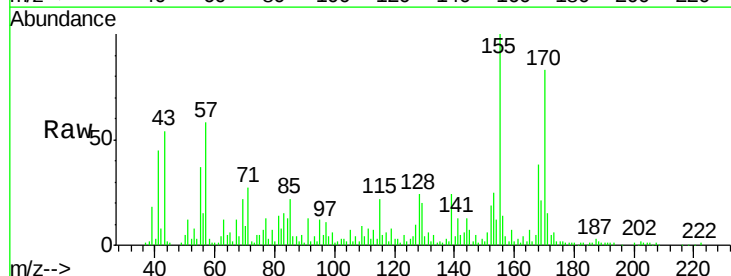
Instrument :
BNA_F
ClientSampleId :
OWL-C5-GW

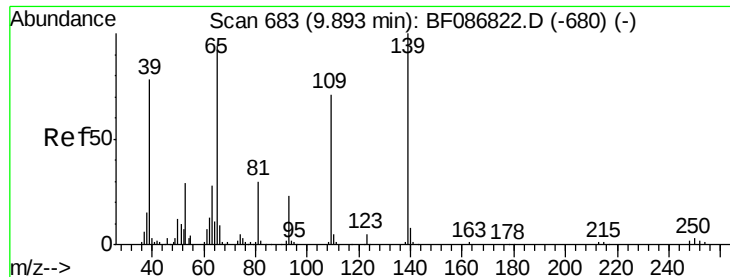
Tgt Ion:184 Resp: 318
Ion Ratio Lower Upper
184 100
63 799.6 55.8 83.8#
154 1286.9 62.4 93.6#



#54
Dibenzofuran
Concen: 2.22 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.09 min
Lab File: BF087018.D
Acq: 14 May 2016 14:16

Tgt Ion:168 Resp: 43545
Ion Ratio Lower Upper
168 100
139 62.3 31.4 47.0#
169 56.5 10.7 16.1#





#55

4-Nitrophenol

Concen: 7.19 ng

RT: 9.76 min Scan# 715

Delta R.T. -0.13 min

Lab File: BF087018.D

Acq: 14 May 2016 14:16

Instrument :

BNA_F

ClientSampleId :

OWL-C5-GW

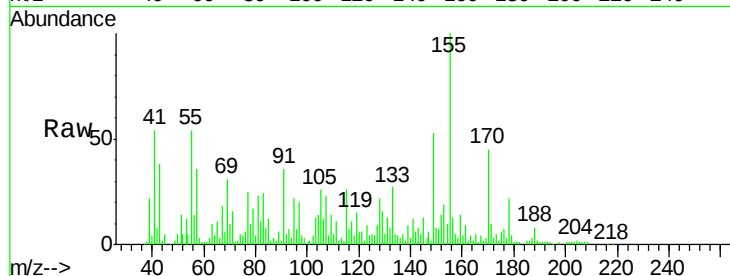
Tgt Ion:139 Resp: 8440

Ion Ratio Lower Upper

139 100

109 155.4 36.9 76.9#

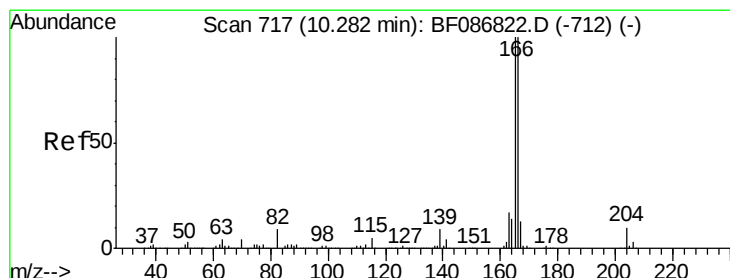
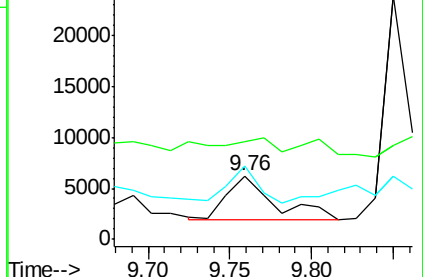
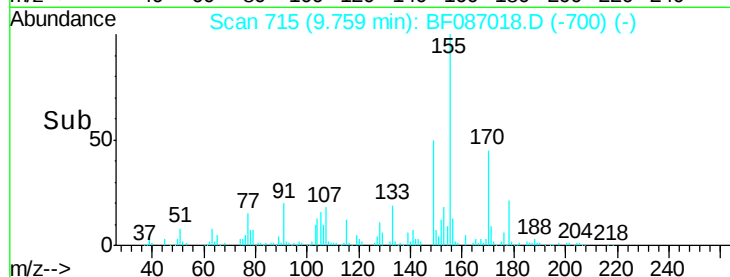
65 116.9 64.0 104.0#



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



#57

Fluorene

Concen: 4.98 ng

RT: 10.19 min Scan# 753

Delta R.T. -0.09 min

Lab File: BF087018.D

Acq: 14 May 2016 14:16

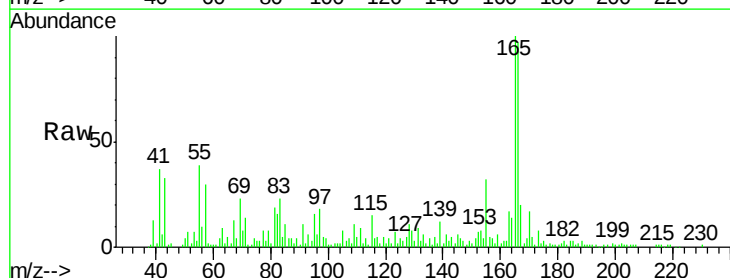
Tgt Ion:166 Resp: 83364

Ion Ratio Lower Upper

166 100

165 103.5 79.0 118.6

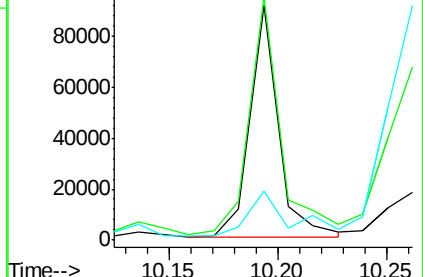
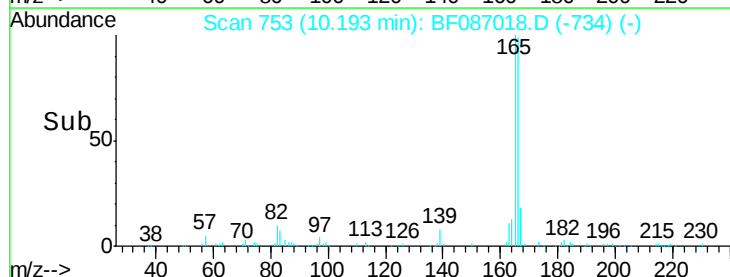
167 20.7 10.6 15.8#

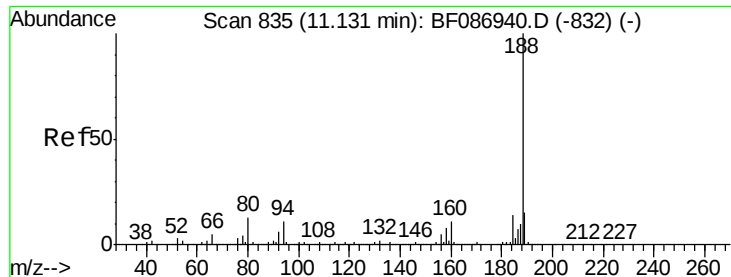


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

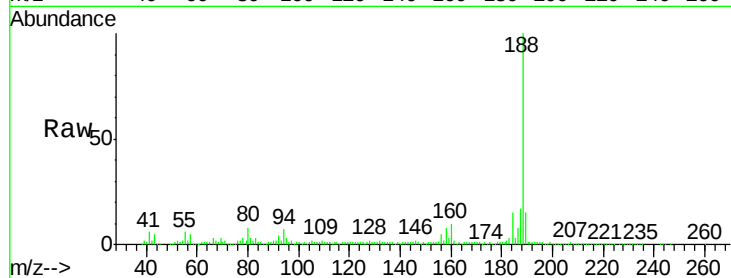




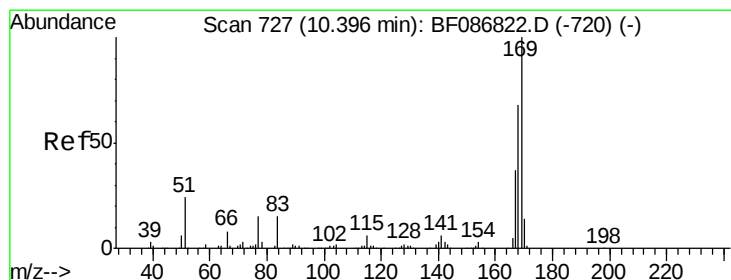
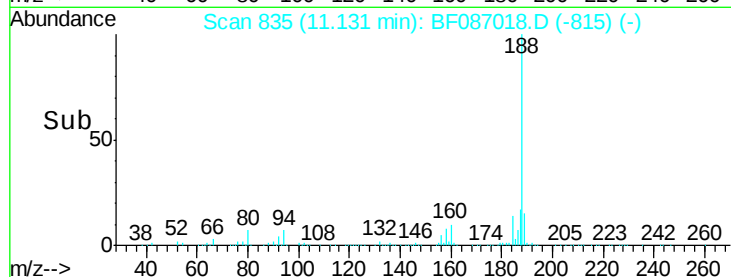
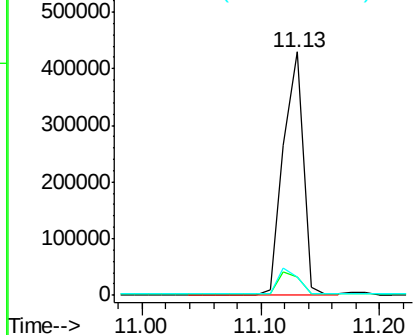
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.08 min
Lab File: BF087018.D
Acq: 14 May 2016 14:16

Instrument :
BNA_F
ClientSampleId :
OWL-C5-GW

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.4	6.8	10.2
80	7.7	7.1	10.7

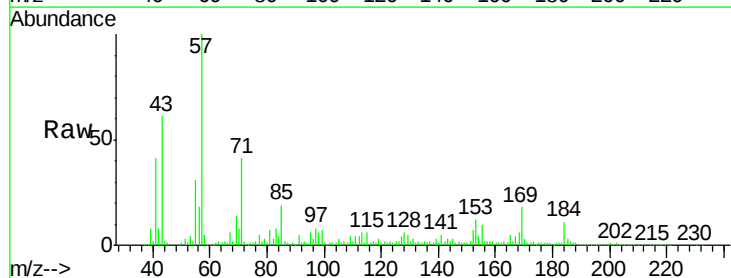


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

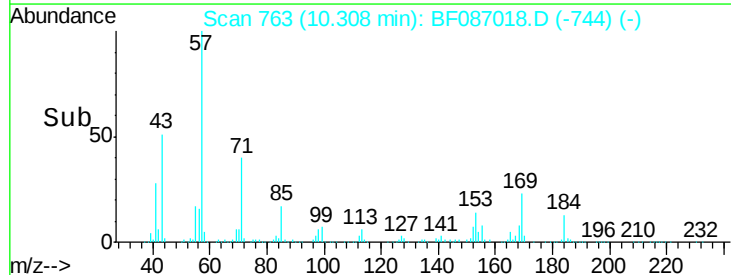
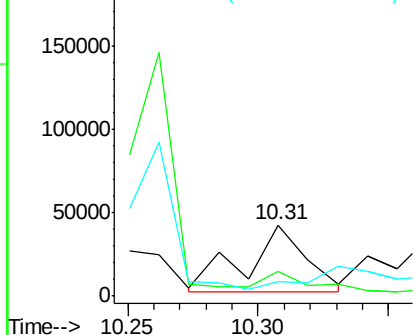


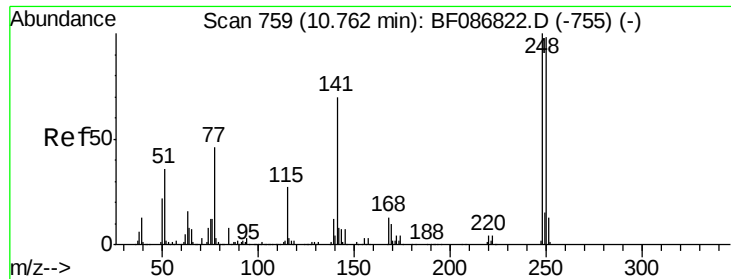
#65
n-Nitrosodiphenylamine
Concen: 4.30 ng
RT: 10.31 min Scan# 763
Delta R.T. -0.09 min
Lab File: BF087018.D
Acq: 14 May 2016 14:16

Tgt Ion	Ratio	Lower	Upper
169	100		
168	34.9	53.8	80.6#
167	20.7	29.5	44.3#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

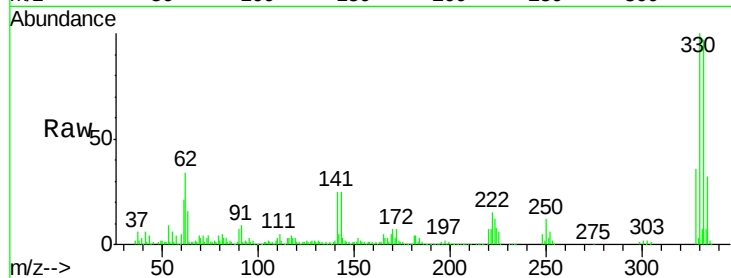




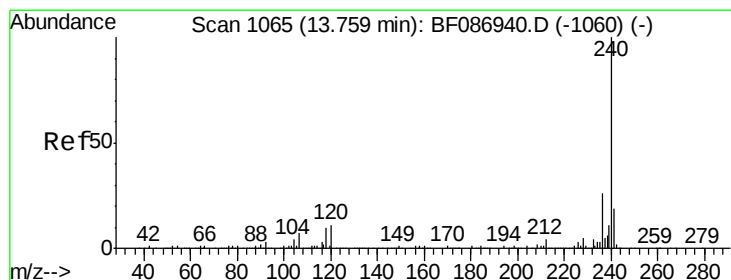
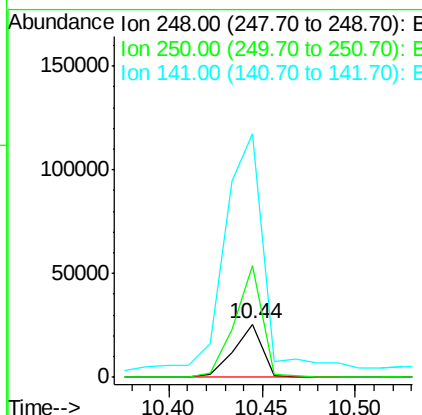
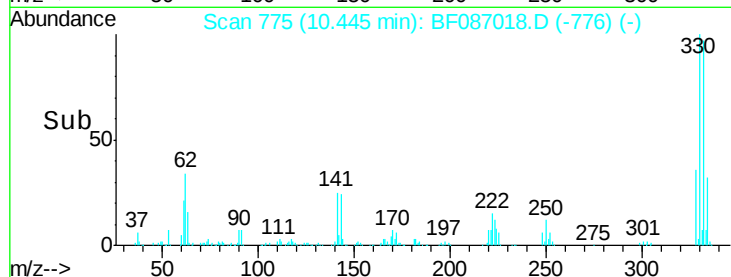
#66
 4-Bromophenyl-phenylether
 Concen: 5.42 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.32 min
 Lab File: BF087018.D
 Acq: 14 May 2016 14:16

Instrument :
 BNA_F
 ClientSampleId :
 OWL-C5-GW

Tgt Ion:248 Resp: 27262
 Ion Ratio Lower Upper
 248 100
 250 210.7 78.6 117.8#
 141 460.3 76.0 114.0#

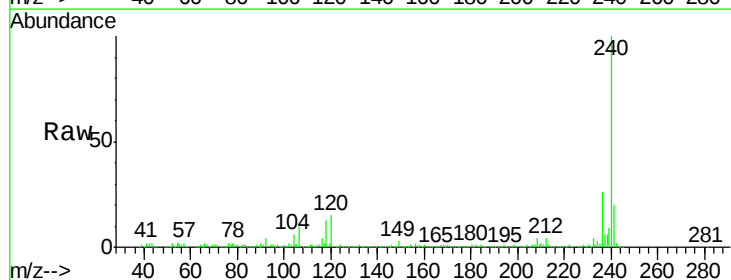


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

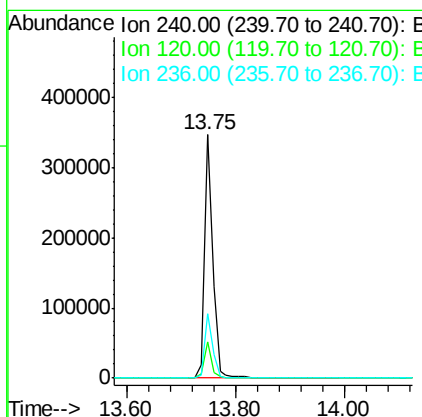
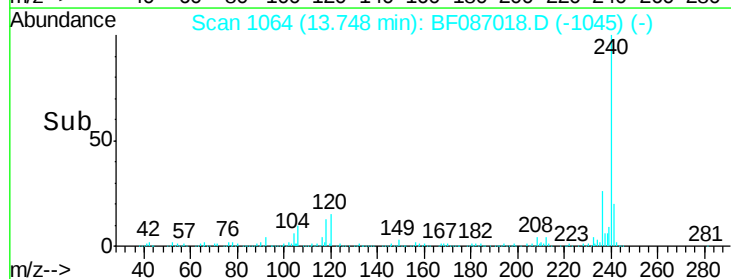


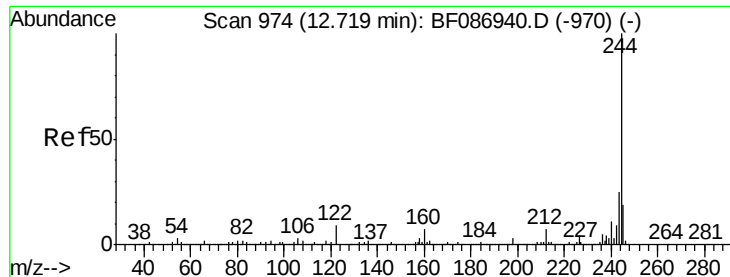
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.75 min Scan# 1064
 Delta R.T. -0.09 min
 Lab File: BF087018.D
 Acq: 14 May 2016 14:16

Tgt Ion:240 Resp: 359528
 Ion Ratio Lower Upper
 240 100
 120 14.7 11.2 16.8
 236 26.3 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: 100.50 ng

RT: 12.72 min Scan# 974

Delta R.T. -0.08 min

Lab File: BF087018.D

Acq: 14 May 2016 14:16

Instrument :

BNA_F

ClientSampleId :

OWL-C5-GW

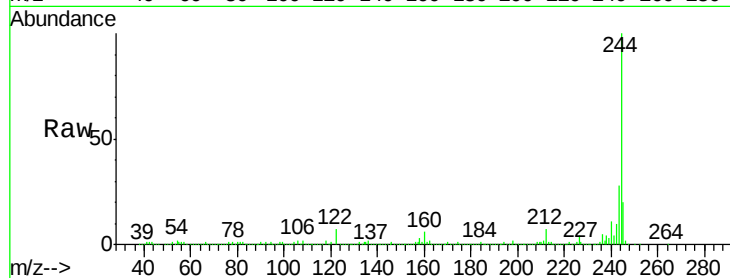
Tgt Ion:244 Resp: 1702959

Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.2

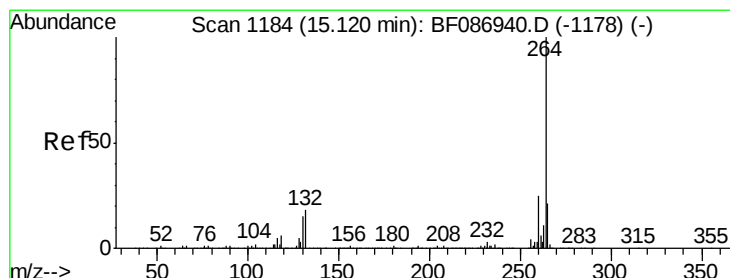
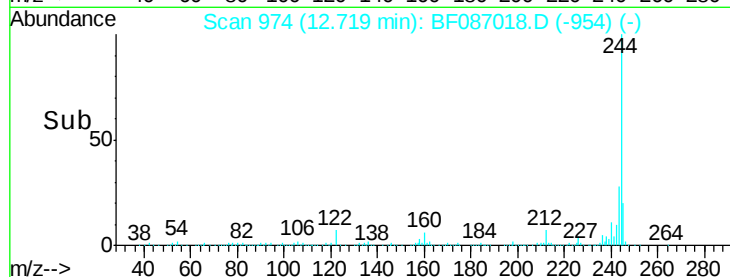
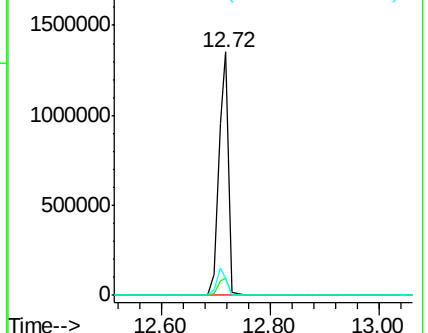
122 6.9 12.0 18.0#



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: BF087018.D

Acq: 14 May 2016 14:16

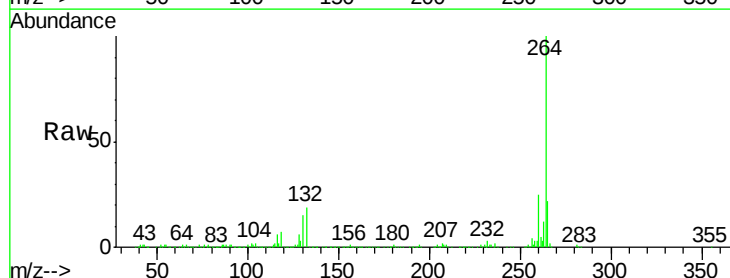
Tgt Ion:264 Resp: 292015

Ion Ratio Lower Upper

264 100

260 24.8 19.5 29.3

265 21.8 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

