

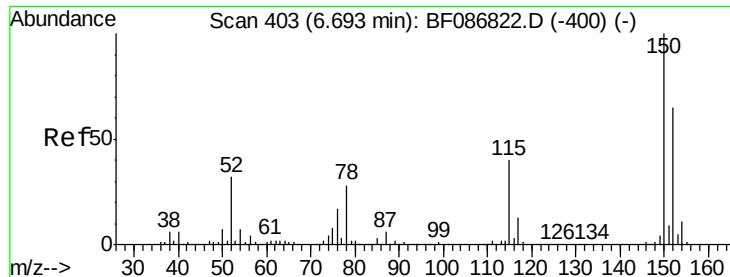
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
 Data File : BF086910.D
 Acq On : 12 May 2016 1:56
 Operator : UM/SJ
 Sample : H2897-02RE
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EFFWWRE

Quant Time: May 12 05:54:34 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 12 01:06:48 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	125218	20.00	ng	-0.01
21) Naphthalene-d8	7.93	136	475349	20.00	ng	0.01
38) Acenaphthene-d10	9.67	164	195240	20.00	ng	-0.01
63) Phenanthrene-d10	11.15	188	300488	20.00	ng	0.00
75) Chrysene-d12	13.77	240	284092	20.00	ng	-0.01
86) Perylene-d12	15.15	264	233808	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	261879	35.42	ng	0.03
7) Phenol-d6	6.48	99	31980	3.24	ng	0.17
23) Nitrobenzene-d5	7.23	82	821029	86.73	ng	0.01
41) 2,4,6-Tribromophenol	10.46	330	121883	58.97	ng	-0.01
44) 2-Fluorobiphenyl	9.00	172	1191680	102.58	ng	0.00
78) Terphenyl-d14	12.73	244	773734	57.79	ng	0.00
Target Compounds						Qvalue
15) Benzyl Alcohol	6.79	79	55878	8.19	ng	# 33
16) 2,2'-oxybis(1-Chloropropan	6.74	45	264906	13.30	ng	88
19) n-Nitroso-di-n-propylamine	7.12	70	44216	6.40	ng	# 44
25) Isophorone	7.23	82	806870	45.94	ng	# 68
27) 2,4-Dimethylphenol	7.80	122	54039	7.41	ng	# 9
32) Benzoic acid	7.80	122	57684	13.47	ng	# 80
50) 2,6-Dinitrotoluene	9.67	165	30885	9.85	ng	# 23
53) 2,4-Dinitrophenol	9.70	184	531	7.99	ng	# 52
55) 4-Nitrophenol	9.71	139	1392	5.16	ng	93
66) 4-Bromophenyl-phenylether	10.46	248	7636	2.51	ng	# 1
83) Bis(2-ethylhexyl)phthalate	13.77	149	37770	3.41	ng	# 98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 441

Delta R.T. -0.01 min

Lab File: BF086910.D

Acq: 12 May 2016 1:56

Instrument :

BNA_F

ClientSampleId :

EFFWWRE

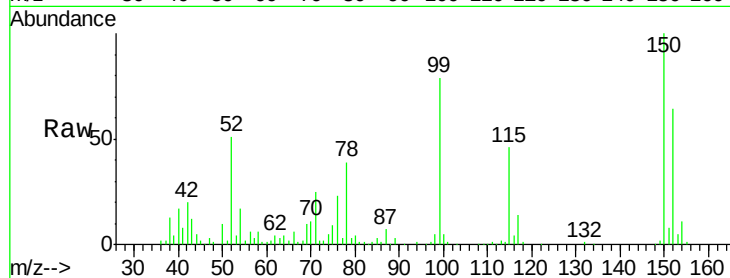
Tgt Ion:152 Resp: 125218

Ion Ratio Lower Upper

152 100

150 156.3 125.8 188.6

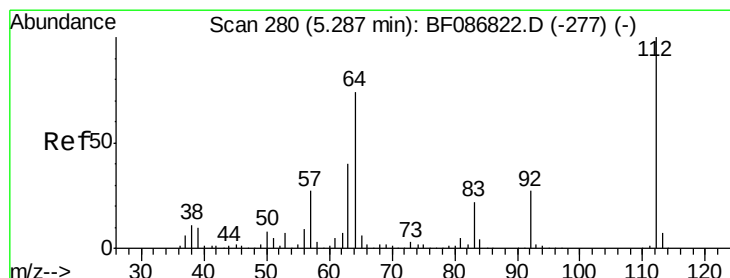
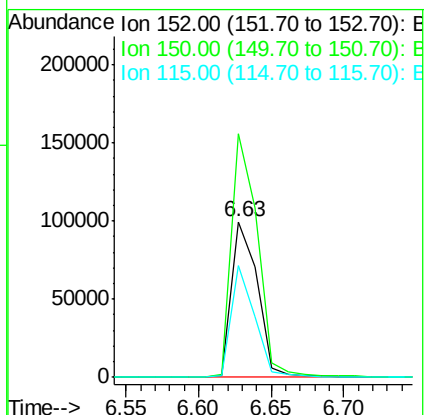
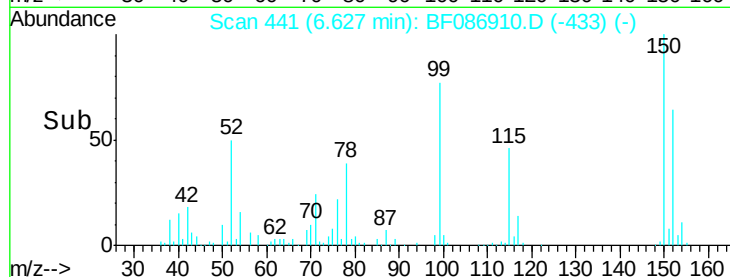
115 72.0 51.5 77.3



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: 35.42 ng

RT: 5.26 min Scan# 321

Delta R.T. 0.03 min

Lab File: BF086910.D

Acq: 12 May 2016 1:56

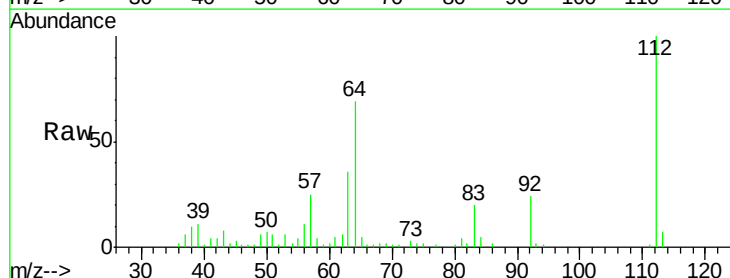
Tgt Ion:112 Resp: 261879

Ion Ratio Lower Upper

112 100

64 69.3 52.1 78.1

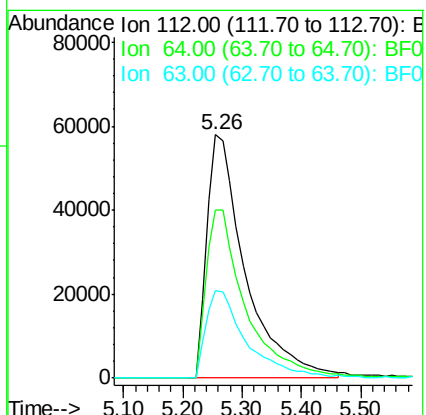
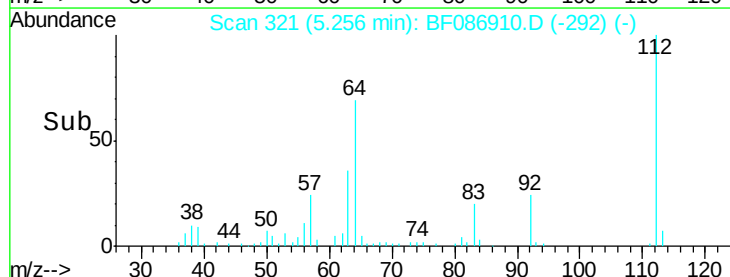
63 36.1 25.7 38.5

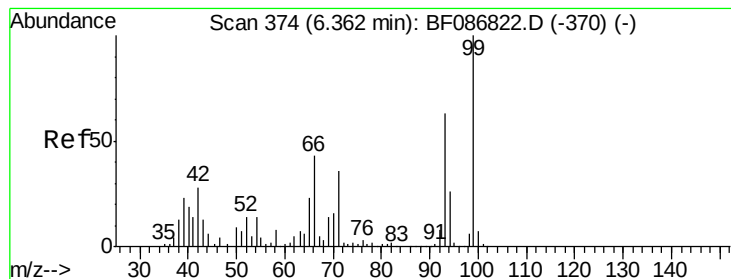


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 3.24 ng

RT: 6.48 min Scan# 428

Delta R.T. 0.17 min

Lab File: BF086910.D

Acq: 12 May 2016 1:56

Instrument :

BNA_F

ClientSampleId :

EFFWWRE

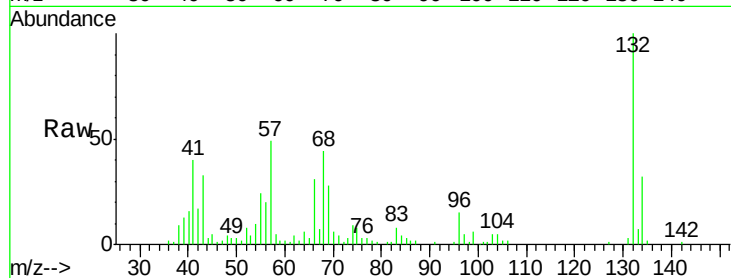
Tgt Ion: 99 Resp: 31980

Ion Ratio Lower Upper

99 100

42 302.2 13.6 20.4#

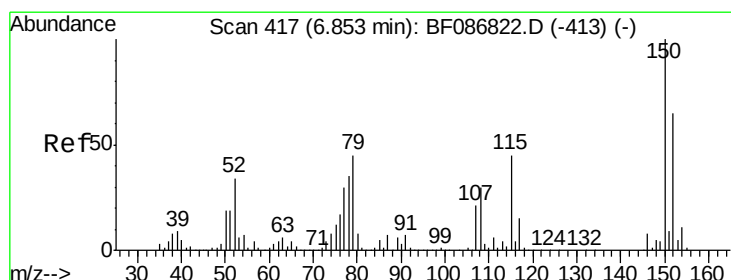
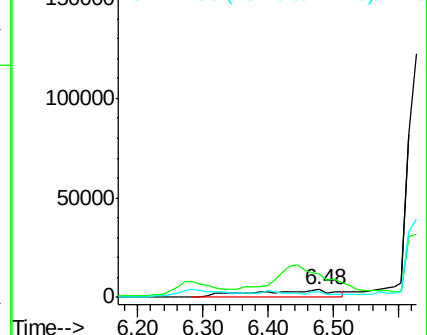
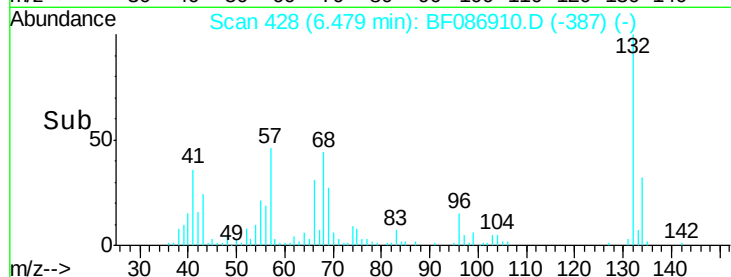
71 69.9 24.6 36.8#



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



#15

Benzyl Alcohol

Concen: 8.19 ng

RT: 6.79 min Scan# 455

Delta R.T. -0.01 min

Lab File: BF086910.D

Acq: 12 May 2016 1:56

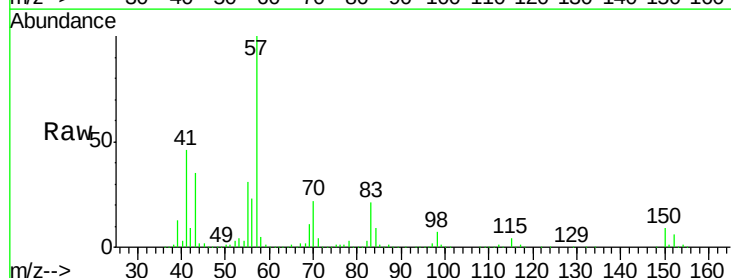
Tgt Ion: 79 Resp: 55878

Ion Ratio Lower Upper

79 100

108 12.5 68.4 102.6#

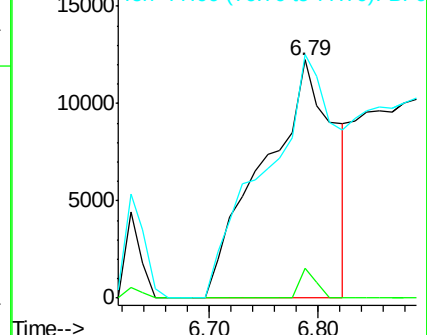
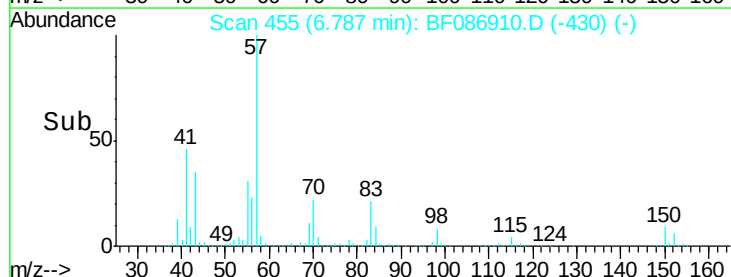
77 102.2 50.6 76.0#

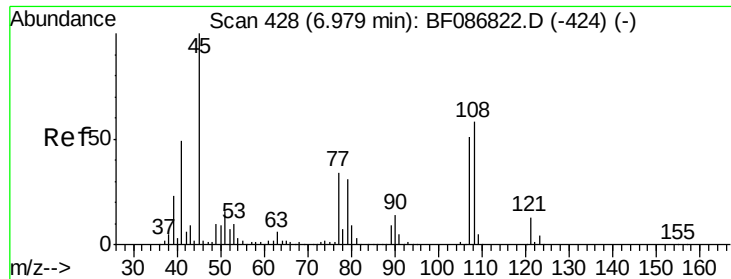


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

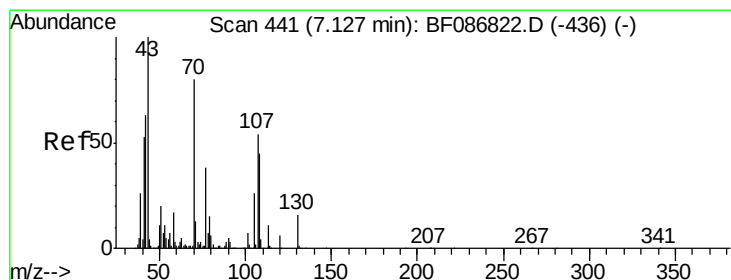
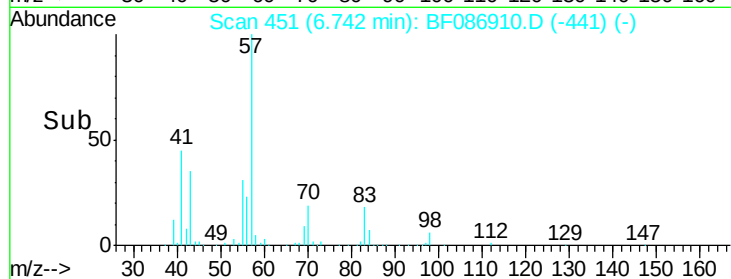
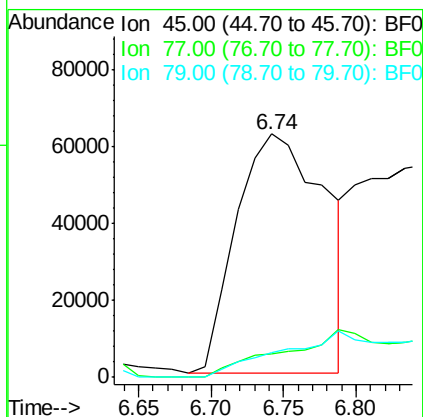
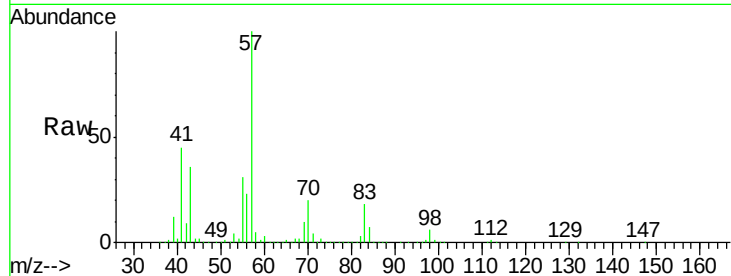




#16
2,2'-oxybis(1-Chloropropane)
Concen: 13.30 ng
RT: 6.74 min Scan# 451
Delta R.T. -0.18 min
Lab File: BF086910.D
Acq: 12 May 2016 1:56

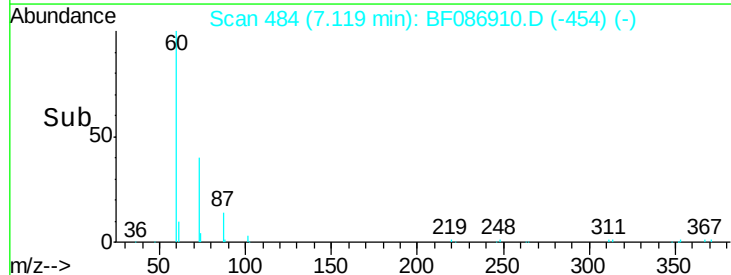
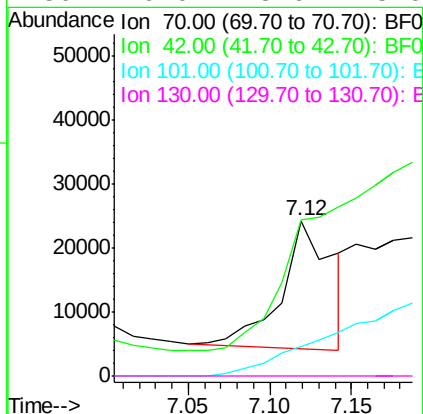
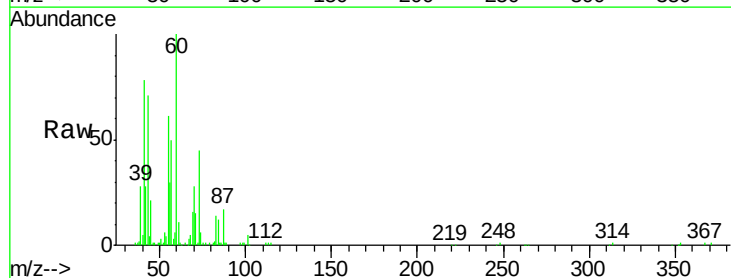
Instrument :
BNA_F
ClientSampleId :
EFFWWRE

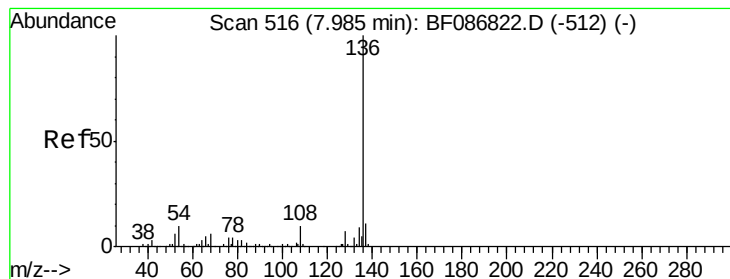
Tgt Ion: 45 Resp: 264906
Ion Ratio Lower Upper
45 100
77 9.6 0.0 36.4
79 10.4 0.0 33.4



#19
n-Nitroso-di-n-propylamine
Concen: 6.40 ng
RT: 7.12 min Scan# 484
Delta R.T. 0.05 min
Lab File: BF086910.D
Acq: 12 May 2016 1:56

Tgt Ion: 70 Resp: 44216
Ion Ratio Lower Upper
70 100
42 100.7 43.1 64.7#
101 19.2 8.1 12.1#
130 0.0 18.6 28.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 555

Delta R.T. 0.01 min

Lab File: BF086910.D

Acq: 12 May 2016 1:56

Instrument :

BNA_F

ClientSampleId :

EFFWWRE

Tgt Ion: 136 Resp: 475349

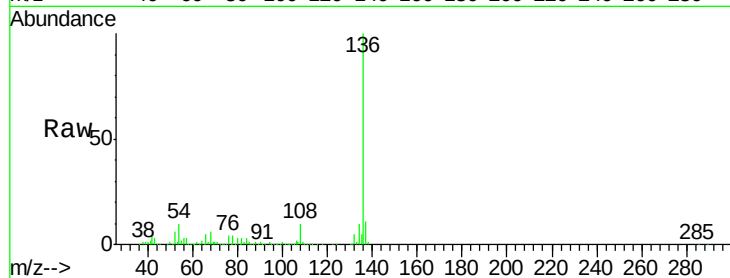
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 10.0 5.0 7.4#

68 5.5 4.4 6.6

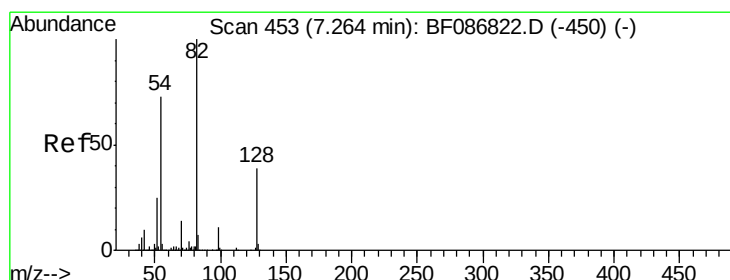
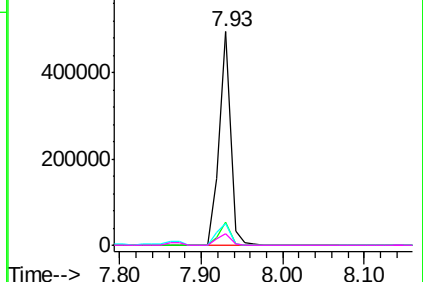
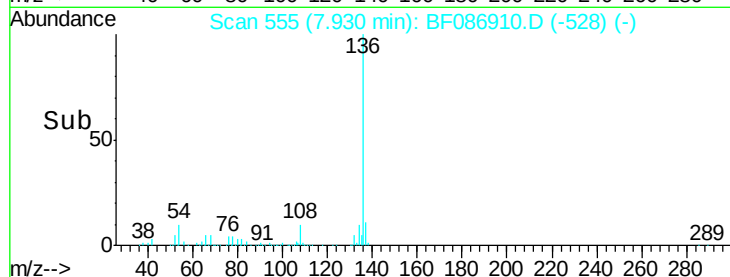


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 86.73 ng

RT: 7.23 min Scan# 494

Delta R.T. 0.01 min

Lab File: BF086910.D

Acq: 12 May 2016 1:56

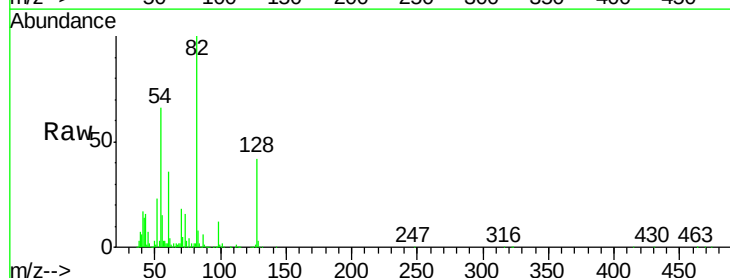
Tgt Ion: 82 Resp: 821029

Ion Ratio Lower Upper

82 100

128 41.9 40.6 61.0

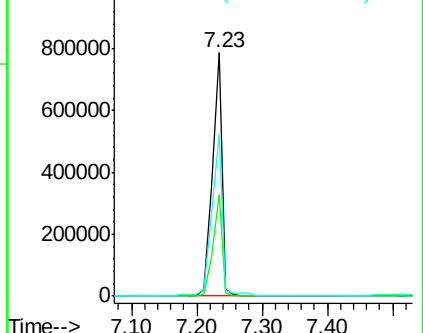
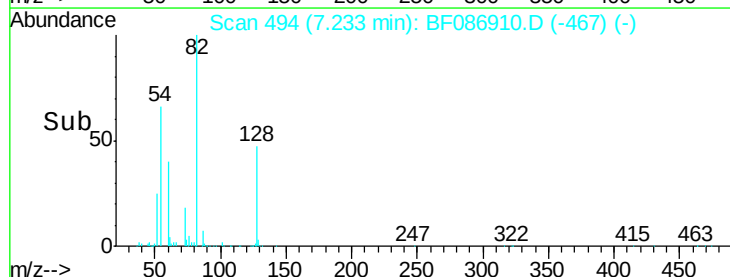
54 66.2 38.1 57.1#

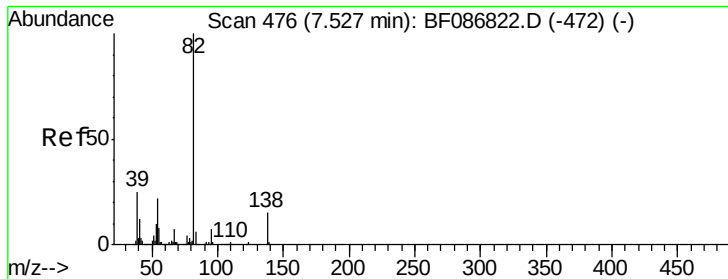


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 45.94 ng

RT: 7.23 min Scan# 494

Delta R.T. -0.24 min

Lab File: BF086910.D

Acq: 12 May 2016 1:56

Instrument :

BNA_F

ClientSampleId :

EFFWWRE

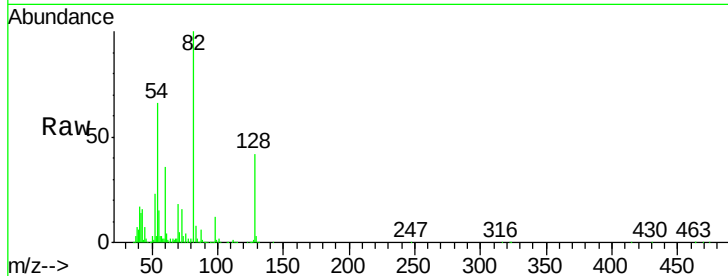
Tgt Ion: 82 Resp: 806870

Ion Ratio Lower Upper

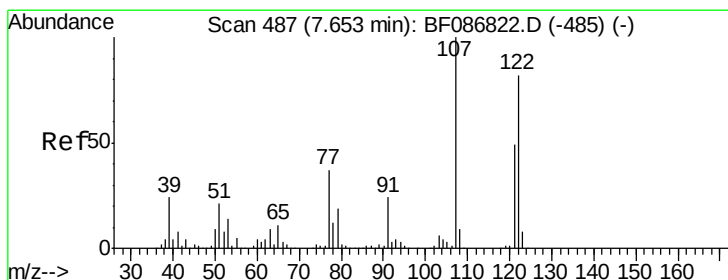
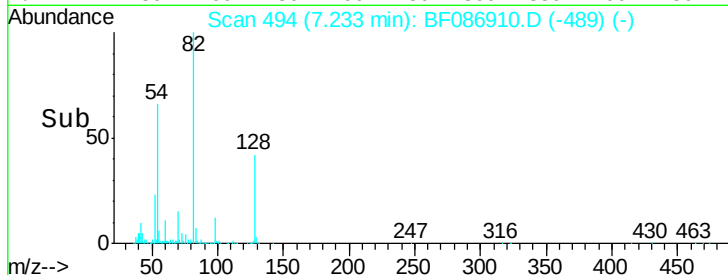
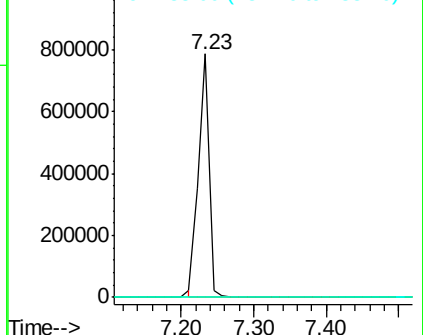
82 100

95 0.1 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



#27

2,4-Dimethylphenol

Concen: 7.41 ng

RT: 7.80 min Scan# 544

Delta R.T. 0.19 min

Lab File: BF086910.D

Acq: 12 May 2016 1:56

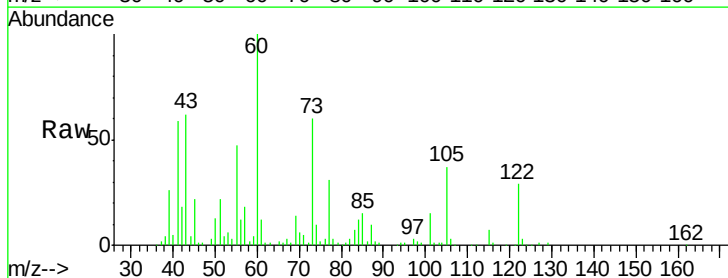
Tgt Ion: 122 Resp: 54039

Ion Ratio Lower Upper

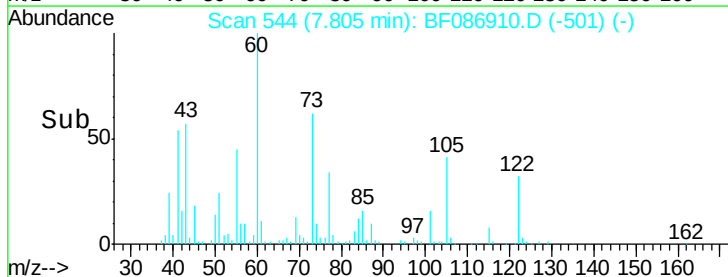
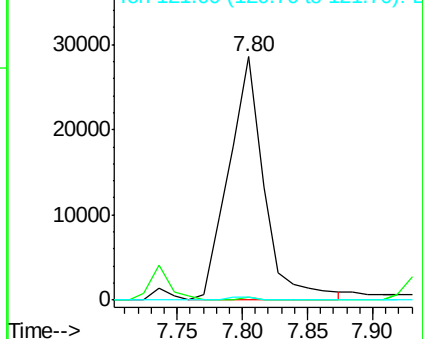
122 100

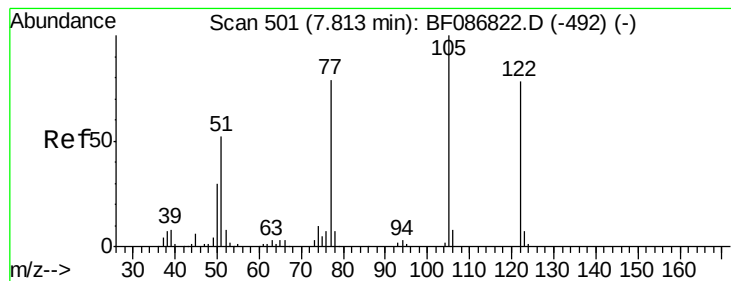
107 1.3 82.0 123.0#

121 1.3 46.1 69.1#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E





#32

Benzoic acid

Concen: 13.47 ng

RT: 7.80 min Scan# 544

Delta R.T. 0.02 min

Lab File: BF086910.D

Acq: 12 May 2016 1:56

Instrument :

BNA_F

ClientSampleId :

EFFWWRE

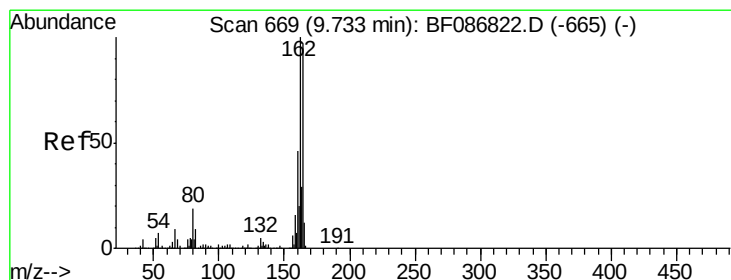
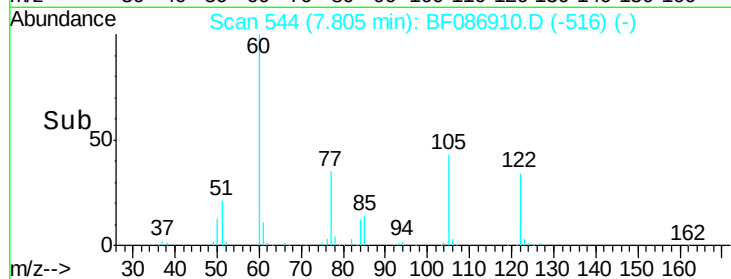
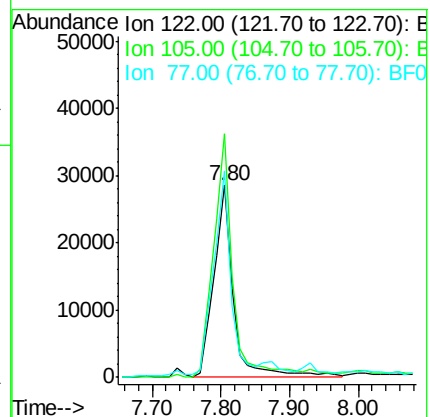
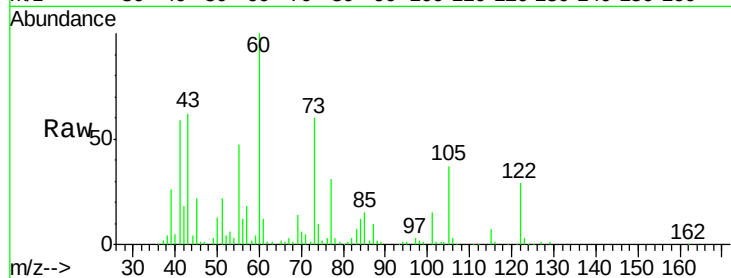
Tgt Ion:122 Resp: 57684

Ion Ratio Lower Upper

122 100

105 126.7 92.6 132.6

77 107.2 60.0 100.0#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.67 min Scan# 707

Delta R.T. -0.01 min

Lab File: BF086910.D

Acq: 12 May 2016 1:56

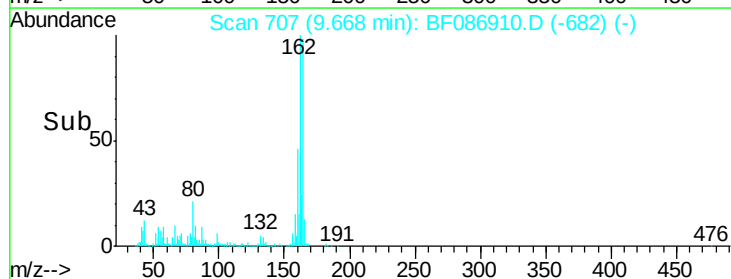
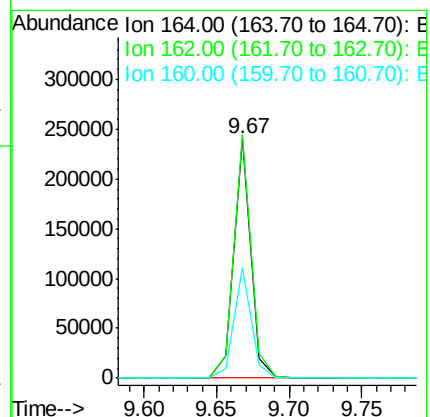
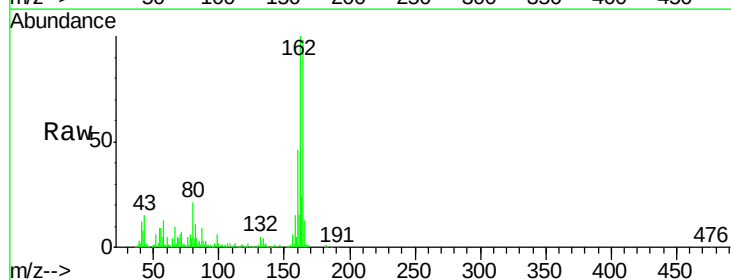
Tgt Ion:164 Resp: 195240

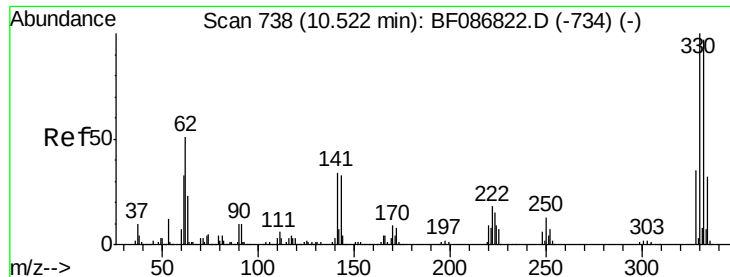
Ion Ratio Lower Upper

164 100

162 101.6 82.8 124.2

160 46.3 36.9 55.3

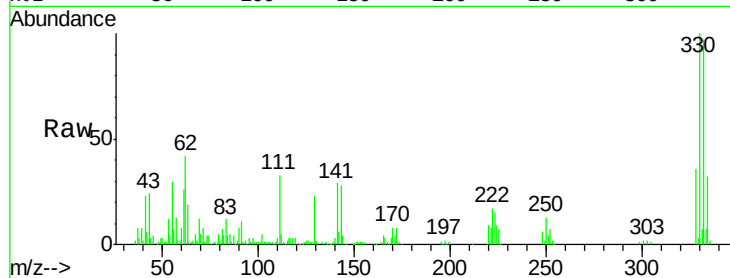




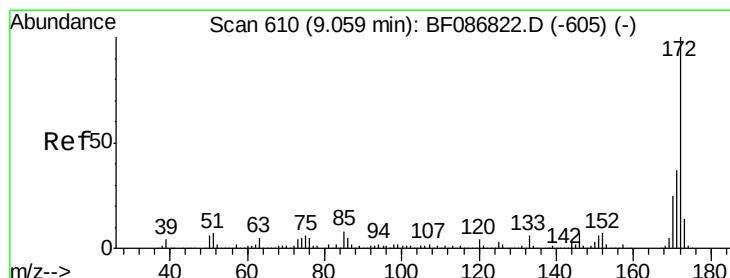
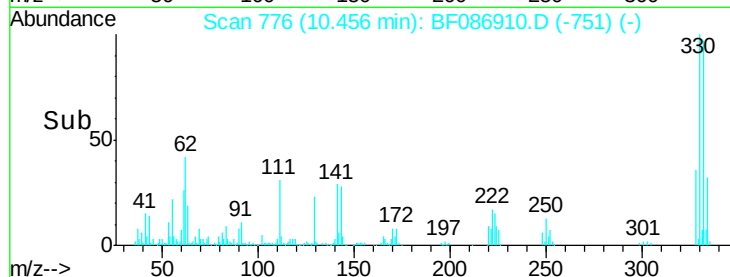
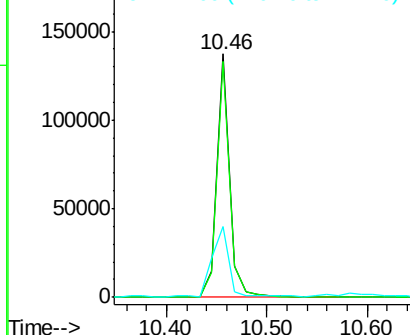
#41
 2,4,6-Tribromophenol
 Concen: 58.97 ng
 RT: 10.46 min Scan# 776
 Delta R.T. -0.01 min
 Lab File: BF086910.D
 Acq: 12 May 2016 1:56

Instrument :
 BNA_F
 ClientSampleId :
 EFFWWRE

Tgt Ion:330 Resp: 121883
 Ion Ratio Lower Upper
 330 100
 332 96.9 79.0 118.4
 141 39.3 31.2 46.8

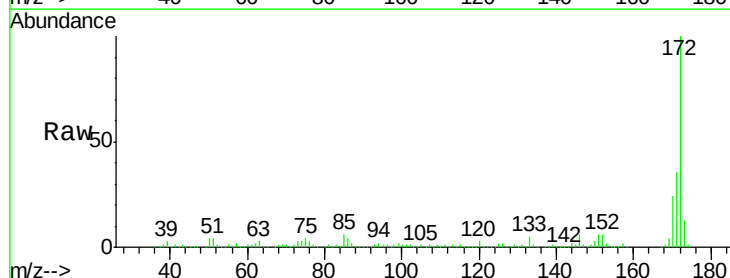


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

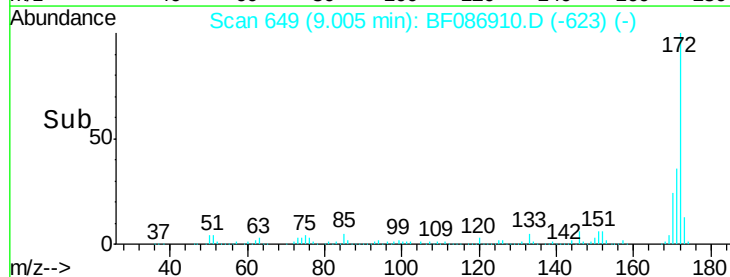
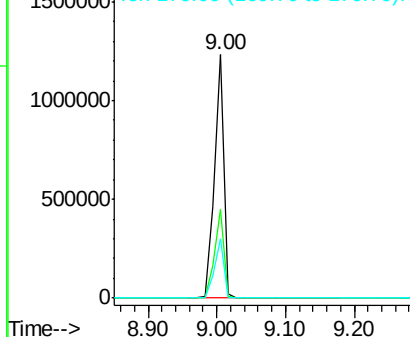


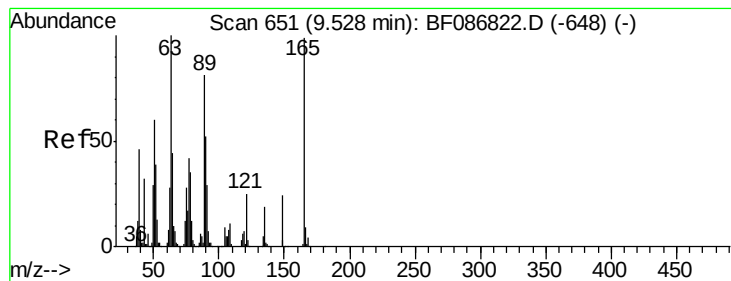
#44
 2-Fluorobiphenyl
 Concen: 102.58 ng
 RT: 9.00 min Scan# 649
 Delta R.T. 0.00 min
 Lab File: BF086910.D
 Acq: 12 May 2016 1:56

Tgt Ion:172 Resp: 1191680
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.0 43.6
 170 24.5 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: 9.85 ng

RT: 9.67 min Scan# 707

Delta R.T. 0.18 min

Lab File: BF086910.D

Acq: 12 May 2016 1:56

Instrument :

BNA_F

ClientSampleId :

EFFWWRE

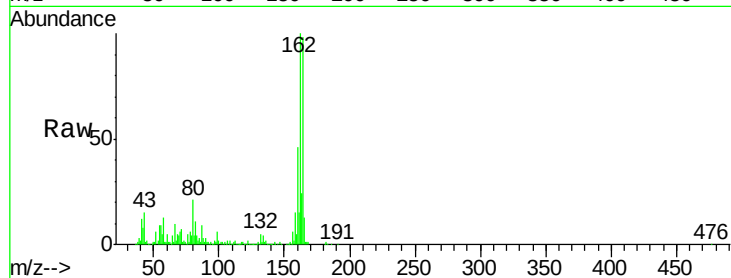
Tgt Ion:165 Resp: 30885

Ion Ratio Lower Upper

165 100

63 3.1 51.8 77.8#

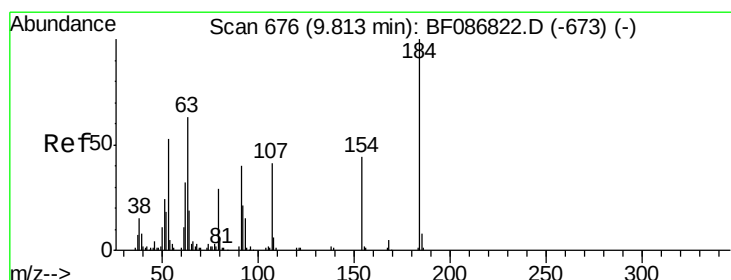
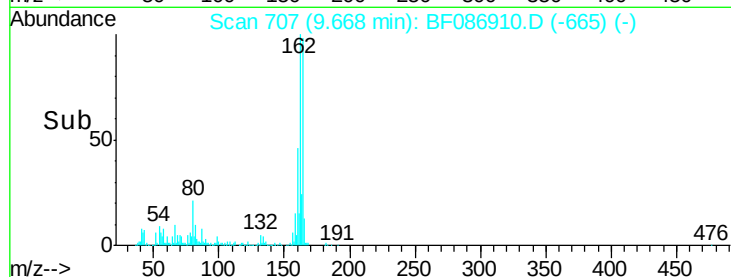
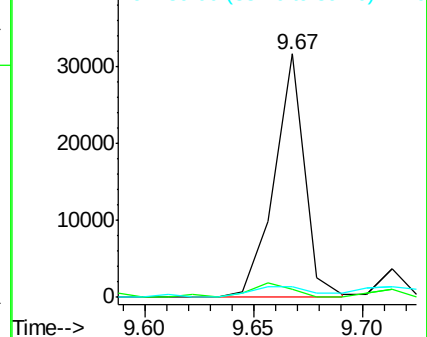
89 4.3 50.7 76.1#



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



#53

2,4-Dinitrophenol

Concen: 7.99 ng

RT: 9.70 min Scan# 710

Delta R.T. -0.06 min

Lab File: BF086910.D

Acq: 12 May 2016 1:56

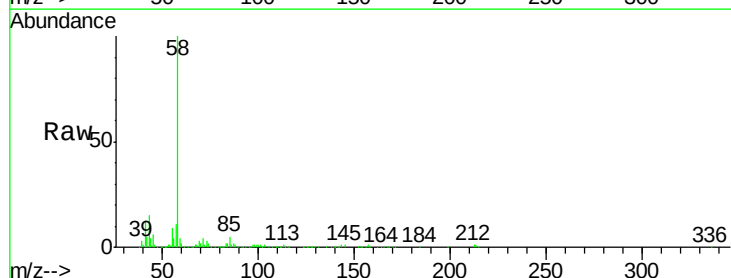
Tgt Ion:184 Resp: 531

Ion Ratio Lower Upper

184 100

63 114.8 55.8 83.8#

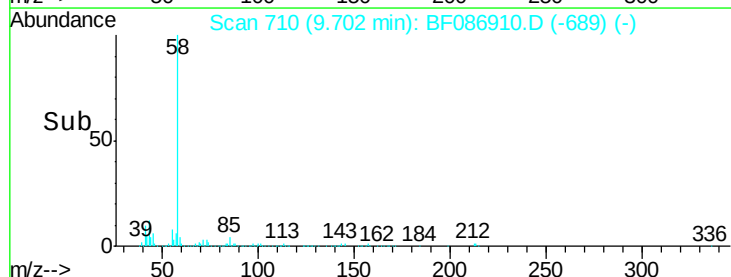
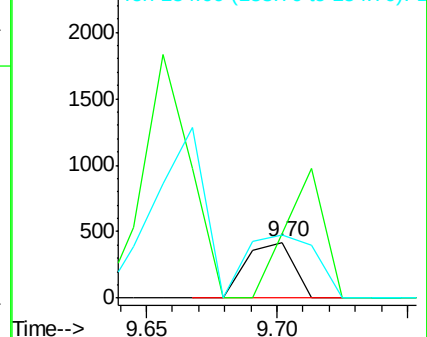
154 113.8 62.4 93.6#

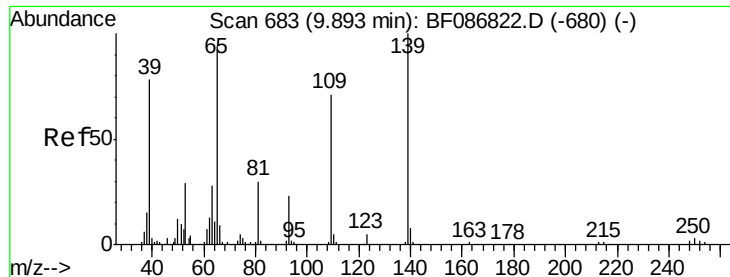


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#55

4-Nitrophenol

Concen: 5.16 ng

RT: 9.71 min Scan# 711

Delta R.T. -0.13 min

Lab File: BF086910.D

Acq: 12 May 2016 1:56

Instrument :

BNA_F

ClientSampleId :

EFFWWRE

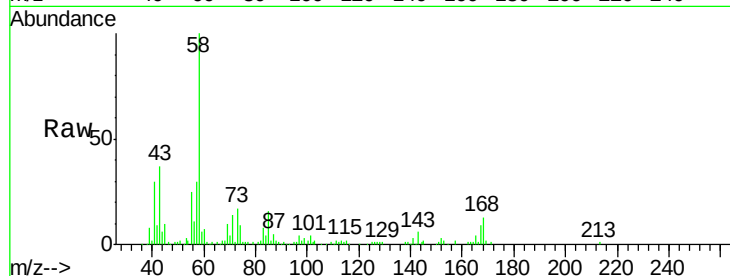
Tgt Ion:139 Resp: 1392

Ion Ratio Lower Upper

139 100

109 57.6 36.9 76.9

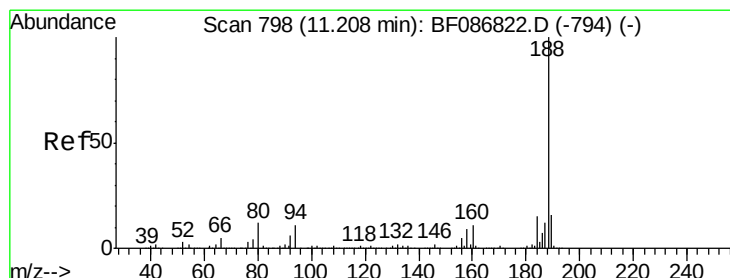
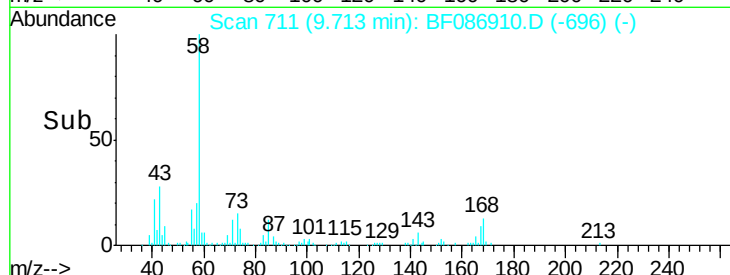
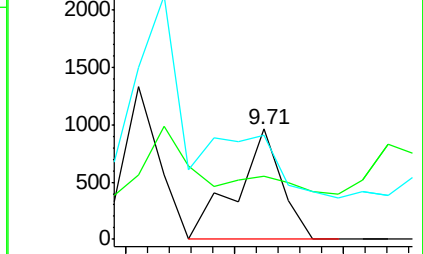
65 94.4 64.0 104.0



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.15 min Scan# 837

Delta R.T. 0.00 min

Lab File: BF086910.D

Acq: 12 May 2016 1:56

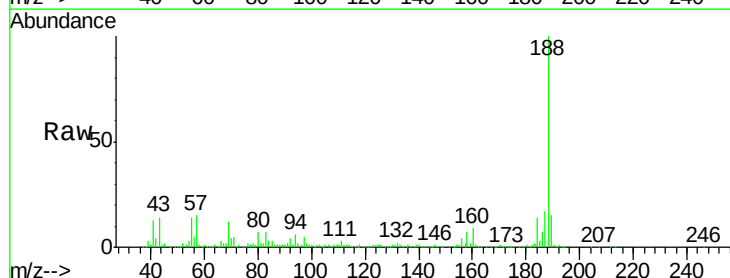
Tgt Ion:188 Resp: 300488

Ion Ratio Lower Upper

188 100

94 6.5 6.8 10.2#

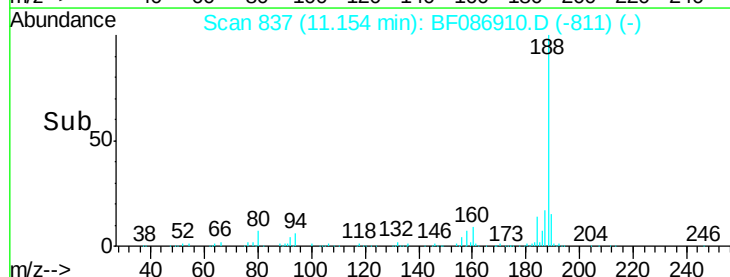
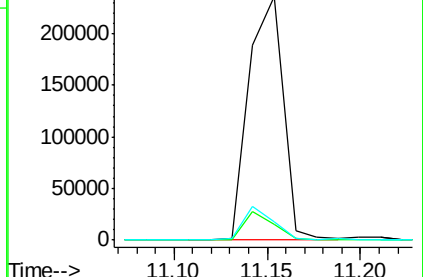
80 7.4 7.1 10.7

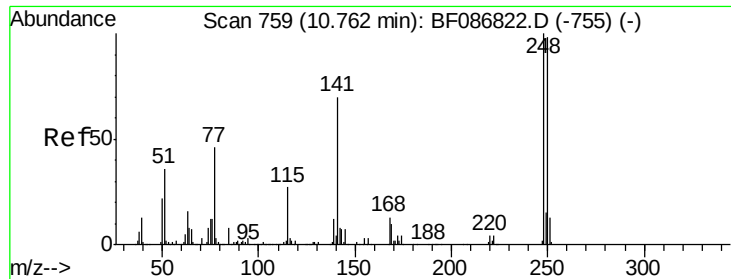


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

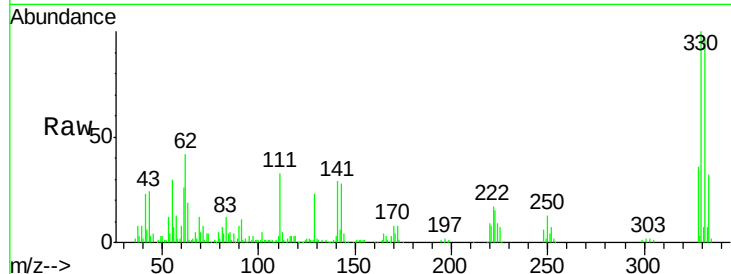




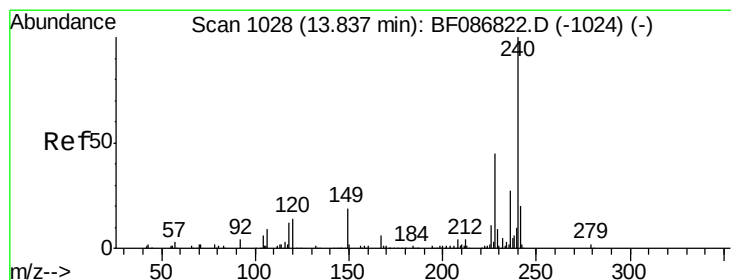
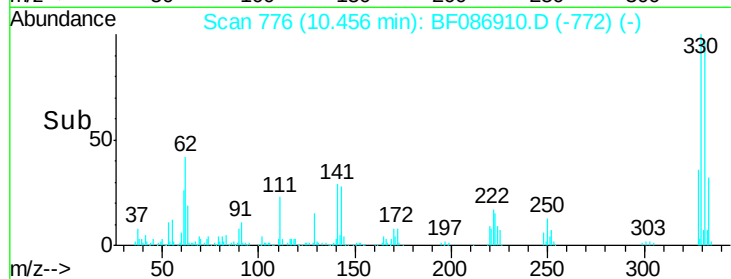
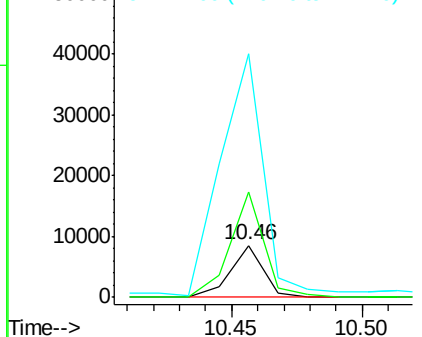
#66
 4-Bromophenyl-phenylether
 Concen: 2.51 ng
 RT: 10.46 min Scan# 776
 Delta R.T. -0.25 min
 Lab File: BF086910.D
 Acq: 12 May 2016 1:56

Instrument :
 BNA_F
 ClientSampled :
 EFFWWRE

Tgt Ion:248 Resp: 7636
 Ion Ratio Lower Upper
 248 100
 250 203.3 78.6 117.8#
 141 470.5 76.0 114.0#

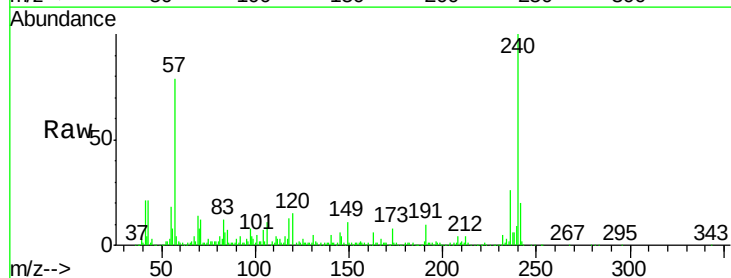


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

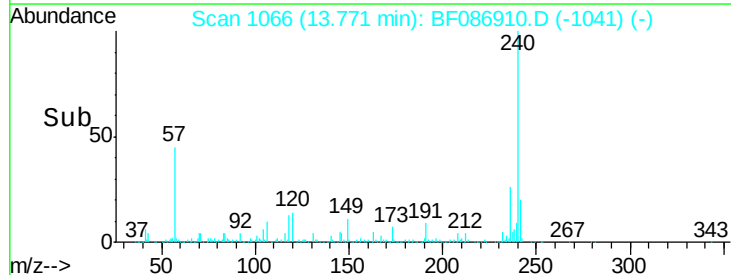
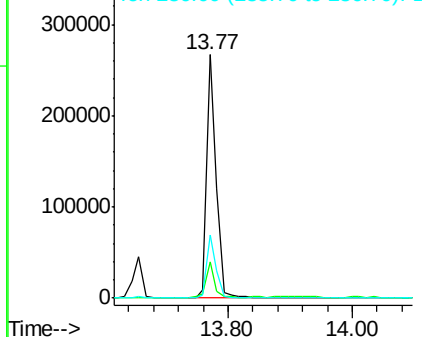


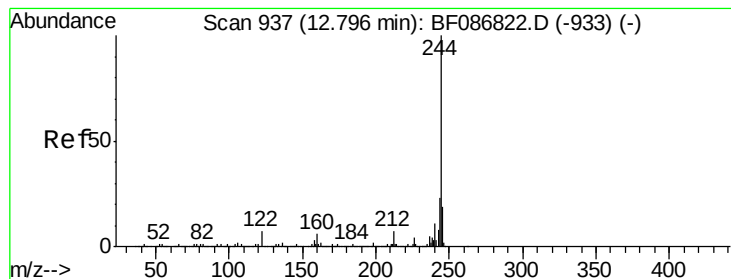
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.77 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: BF086910.D
 Acq: 12 May 2016 1:56

Tgt Ion:240 Resp: 284092
 Ion Ratio Lower Upper
 240 100
 120 14.7 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: 57.79 ng

RT: 12.73 min Scan# 975

Delta R.T. 0.00 min

Lab File: BF086910.D

Acq: 12 May 2016 1:56

Instrument :

BNA_F

ClientSampleId :

EFFWWRE

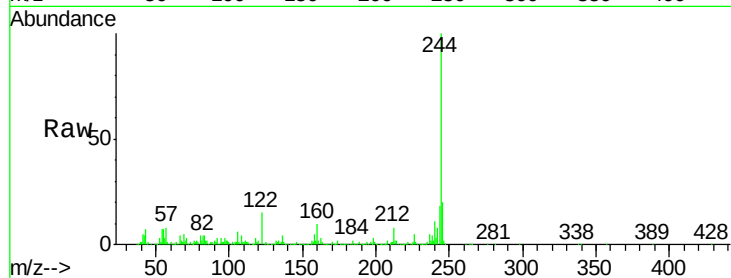
Tgt Ion:244 Resp: 773734

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

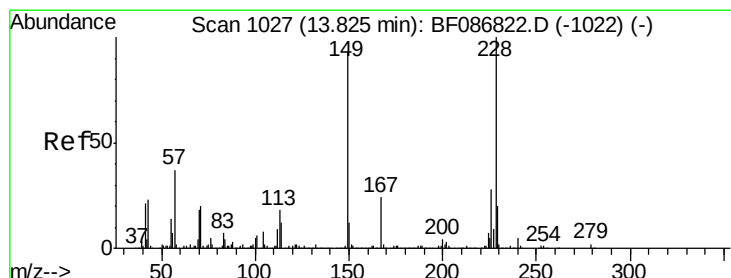
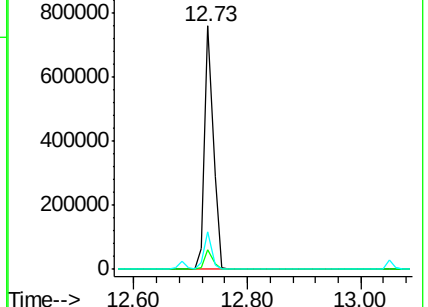
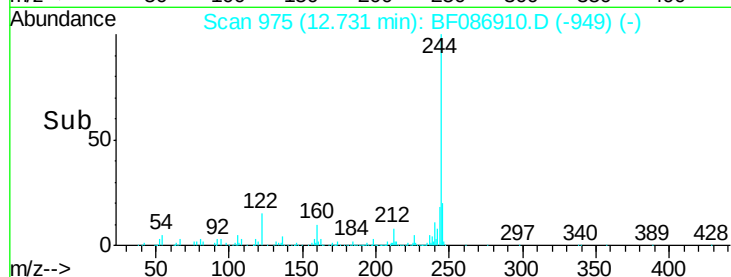
122 15.2 12.0 18.0



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.41 ng

RT: 13.77 min Scan# 1066

Delta R.T. 0.00 min

Lab File: BF086910.D

Acq: 12 May 2016 1:56

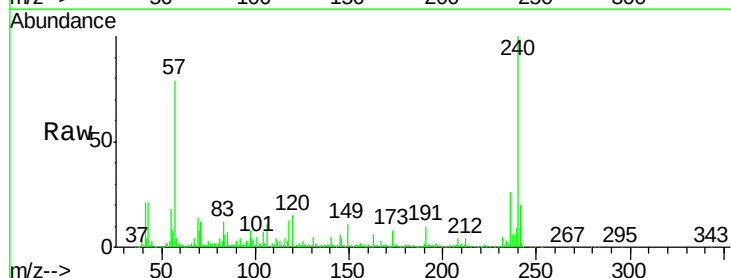
Tgt Ion:149 Resp: 37770

Ion Ratio Lower Upper

149 100

167 26.0 21.8 32.6

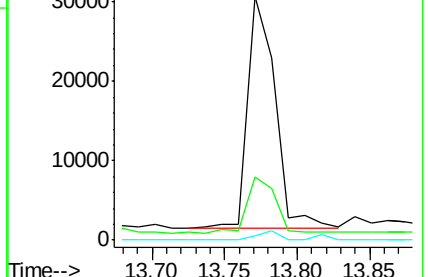
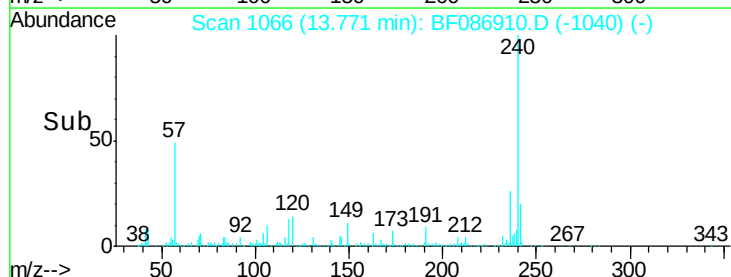
279 1.9 2.6 4.0#

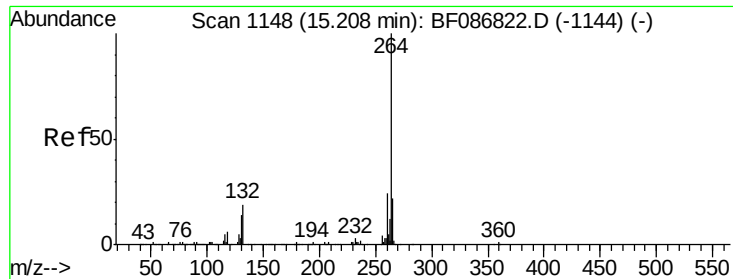


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.15 min Scan# 1187
Delta R.T. 0.02 min
Lab File: BF086910.D
Acq: 12 May 2016 1:56

Instrument :
BNA_F
ClientSampleId :
EFFWWRE

Tgt Ion: 264 Resp: 233808
Ion Ratio Lower Upper
264 100
260 24.5 19.5 29.3
265 22.0 17.3 25.9

