

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050616\
 Data File : BF086737.D
 Acq On : 6 May 2016 21:30
 Operator : UM/SJ
 Sample : H2770-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 07 03:27:29 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 07 03:18:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	152381	40.00	ng	0.00
21) Naphthalene-d8	8.00	136	629984	40.00	ng	0.00
38) Acenaphthene-d10	9.74	164	305220	40.00	ng	0.00
63) Phenanthrene-d10	11.22	188	515631	40.00	ng	-0.01
75) Chrysene-d12	13.85	240	372337	40.00	ng	-0.01
86) Perylene-d12	15.23	264	259090	40.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	458485	49.81	ng	-0.01
7) Phenol-d6	6.36	99	384676	31.02	ng	-0.02
23) Nitrobenzene-d5	7.28	82	886676	72.33	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	370581	124.12	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	1504238	80.79	ng	-0.01
78) Terphenyl-d14	12.81	244	1271476	69.01	ng	0.00

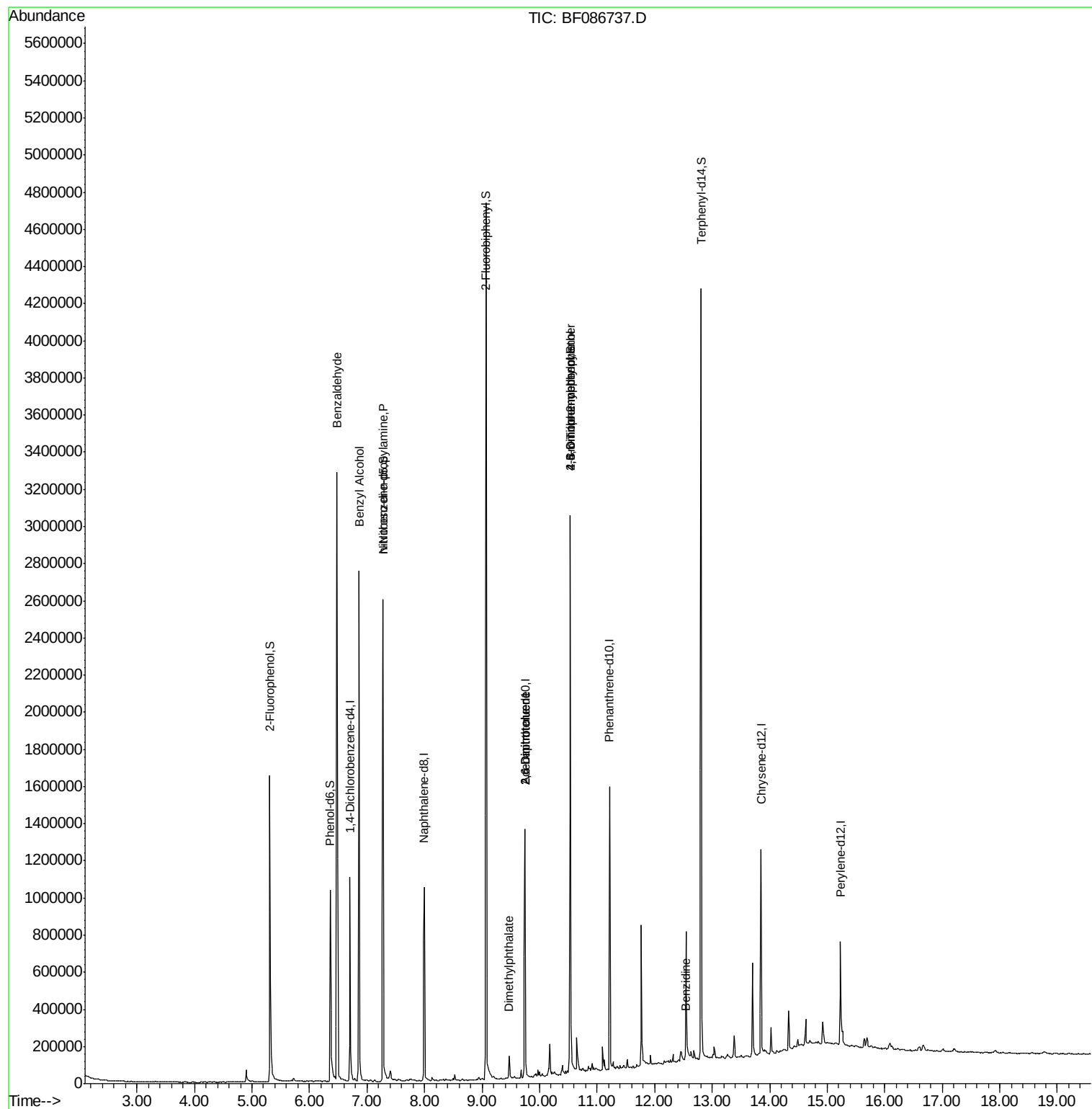
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.48	77	23172	3.75	ng	# 70
15) Benzyl Alcohol	6.86	79	16106	2.01	ng	# 37
19) n-Nitroso-di-n-propylamine	7.28	70	122330	14.44	ng	# 71
49) Dimethylphthalate	9.47	163	46577	2.05	ng	99
50) 2,6-Dinitrotoluene	9.74	165	38788	7.94	ng	# 21
56) 2,4-Dinitrotoluene	9.74	165	38790	6.41	ng	# 17
64) 4,6-Dinitro-2-methylphenol	10.53	198	1058	5.67	ng	# 1
66) 4-Bromophenyl-phenylether	10.53	248	23840	4.65	ng	# 1
76) Benzidine	12.53	184	1284	7.20	ng	# 1

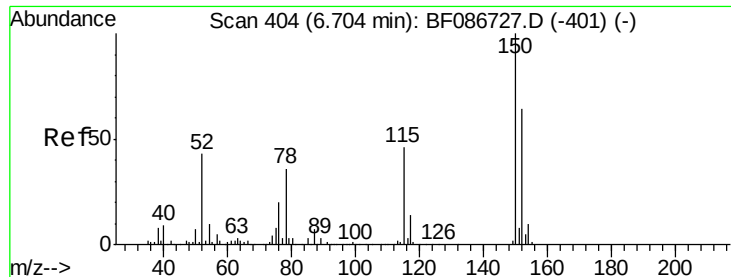
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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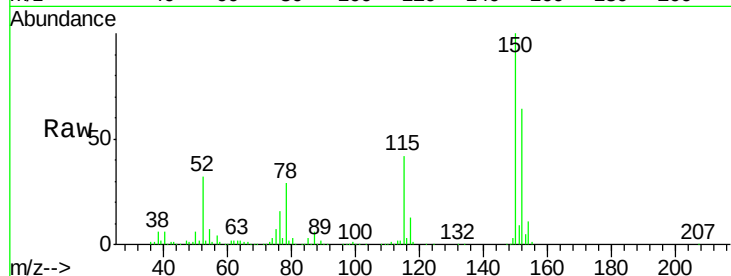


#1

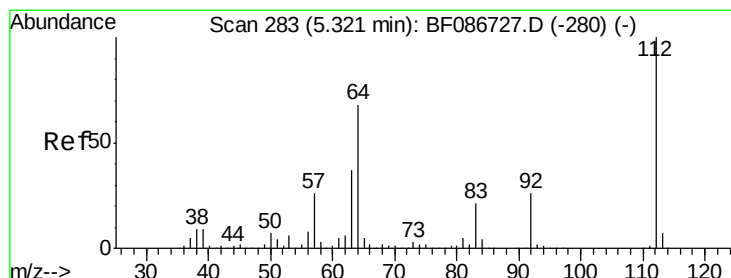
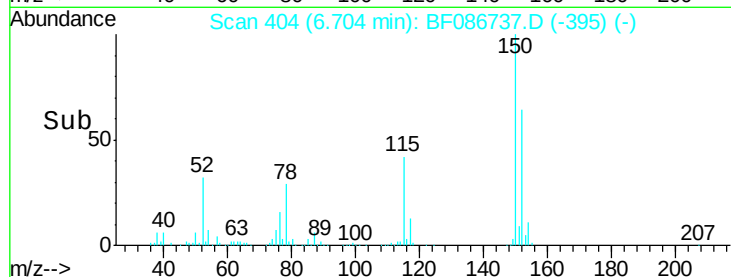
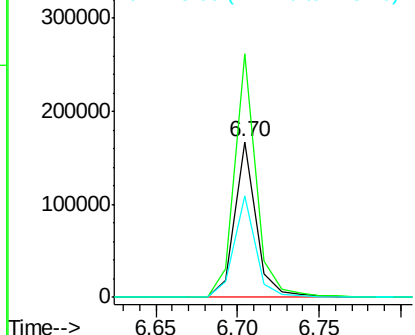
1,4-Dichlorobenzene-d4
Concen: 40.00 ng
RT: 6.70 min Scan# 404
Delta R.T. 0.00 min
Lab File: BF086737.D
Acq: 6 May 2016 21:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	125.8	188.6
115	65.1	51.5	77.3



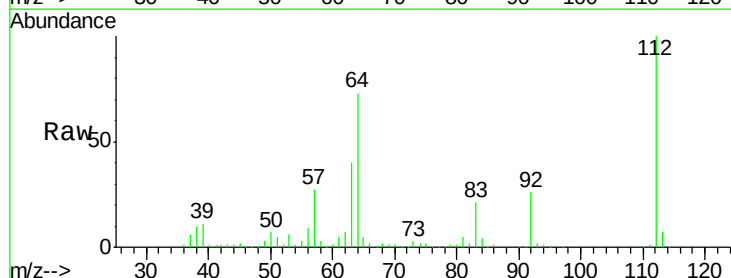
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



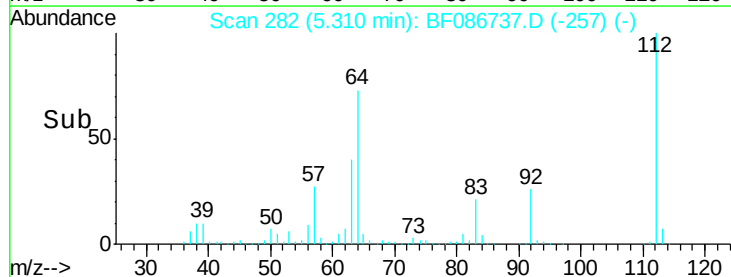
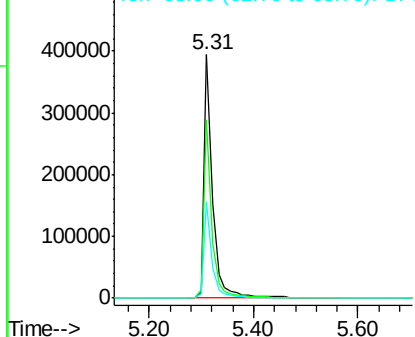
#5

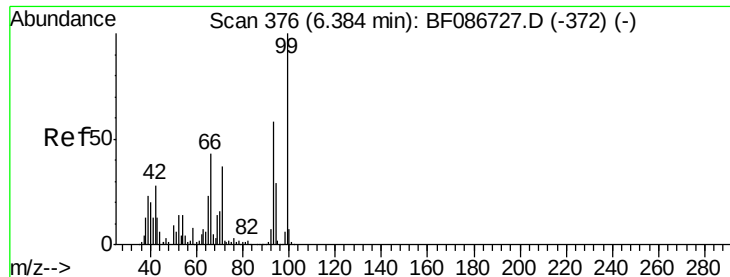
2-Fluorophenol
Concen: 49.81 ng
RT: 5.31 min Scan# 282
Delta R.T. -0.01 min
Lab File: BF086737.D
Acq: 6 May 2016 21:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.1	52.1	78.1
63	39.9	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: 31.02 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.02 min

Lab File: BF086737.D

Acq: 6 May 2016 21:30

Instrument :

BNA_F

ClientSampleId :

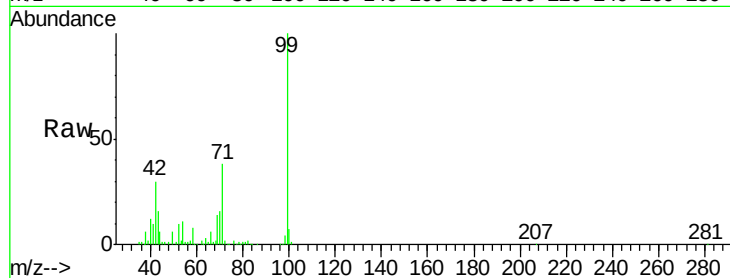
Tot Ion: 99 Resp: 384676

Ion Ratio Lower Upper

99 100

42 29.9 13.6 20.4#

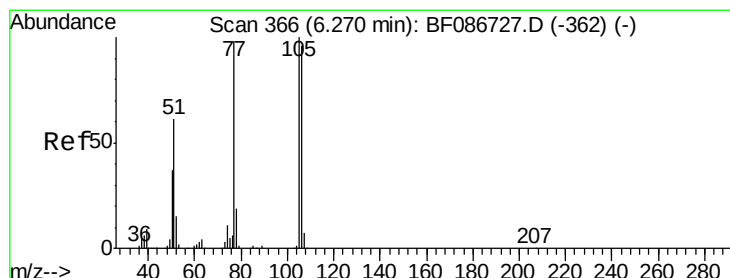
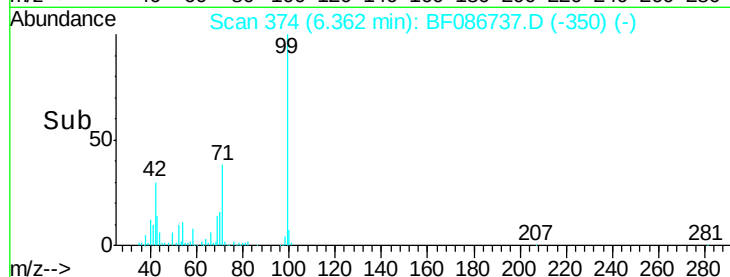
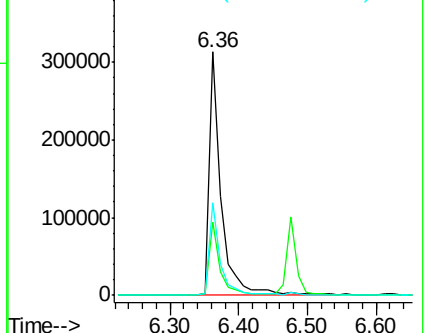
71 37.8 24.6 36.8#



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



#9

Benzaldehyde

Concen: 3.75 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.21 min

Lab File: BF086737.D

Acq: 6 May 2016 21:30

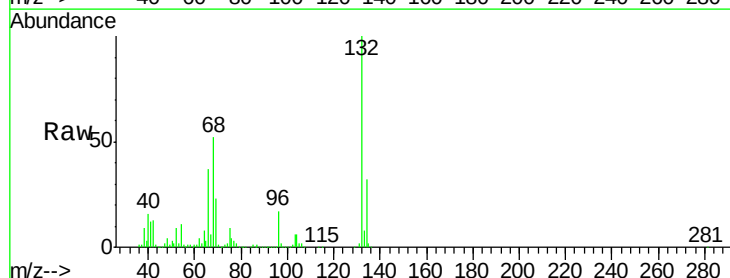
Tgt Ion: 77 Resp: 23172

Ion Ratio Lower Upper

77 100

105 67.9 72.7 112.7#

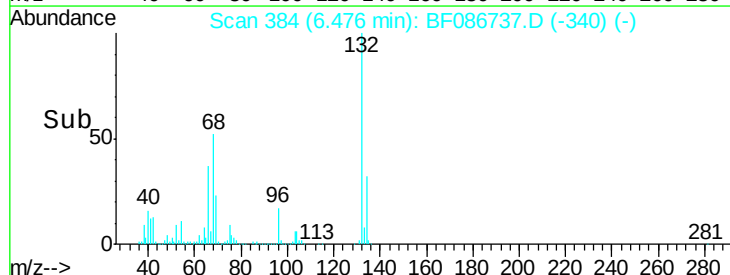
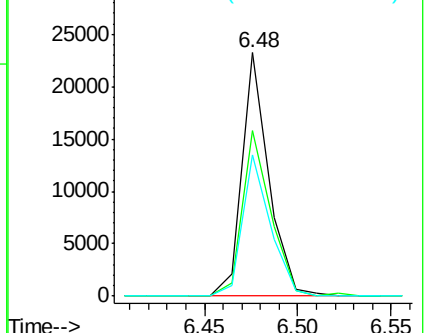
106 57.8 70.8 110.8#

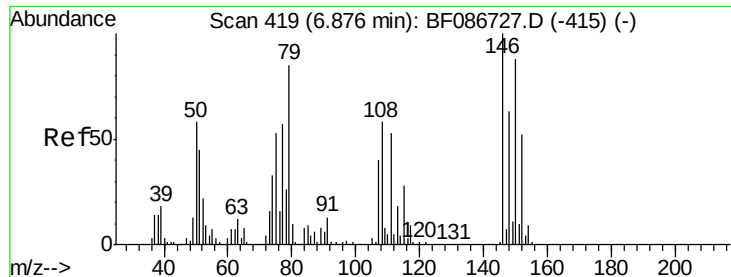


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.01 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.01 min

Lab File: BF086737.D

Acq: 6 May 2016 21:30

Instrument :

BNA_F

ClientSampleId :

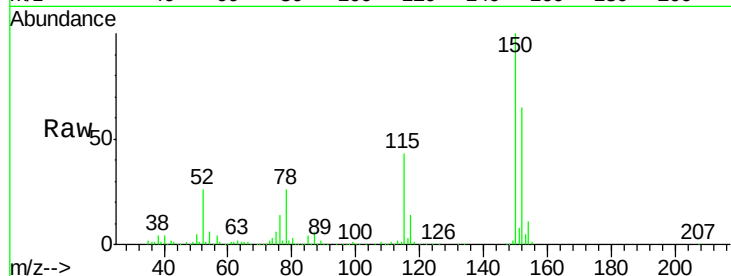
Tot Ion: 79 Resp: 16106

Ion Ratio Lower Upper

79 100

108 38.4 68.4 102.6#

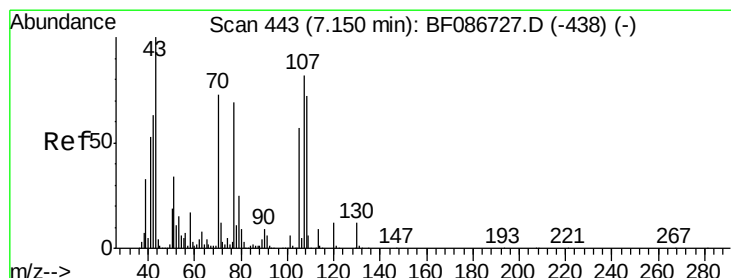
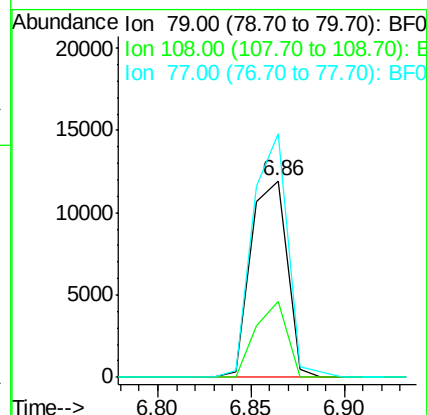
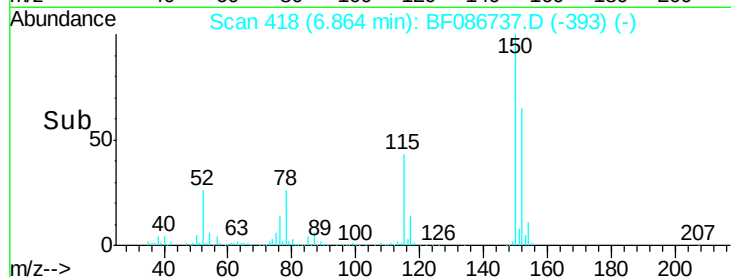
77 123.8 50.6 76.0#



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: 14.44 ng

RT: 7.28 min Scan# 454

Delta R.T. 0.13 min

Lab File: BF086737.D

Acq: 6 May 2016 21:30

Tgt Ion: 70 Resp: 122330

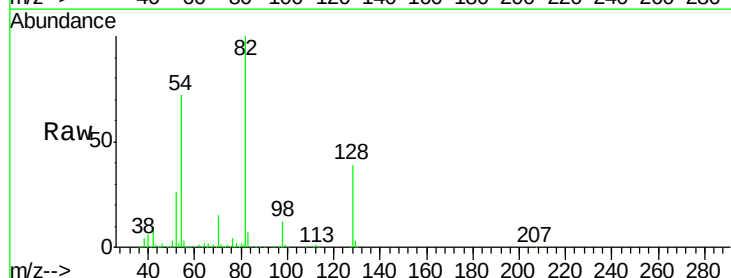
Ion Ratio Lower Upper

70 100

42 70.4 43.1 64.7#

101 0.0 8.1 12.1#

130 1.7 18.6 28.0#

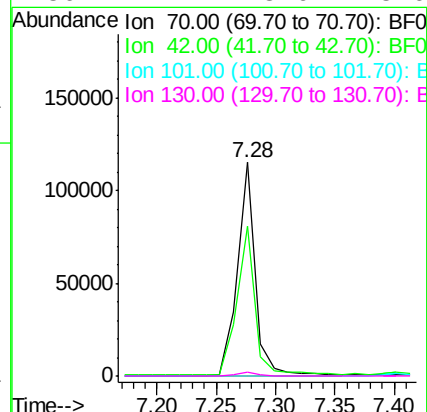
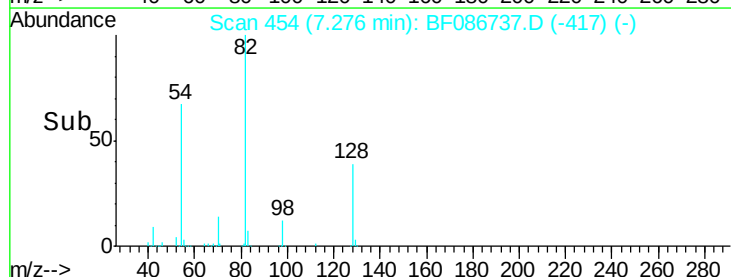


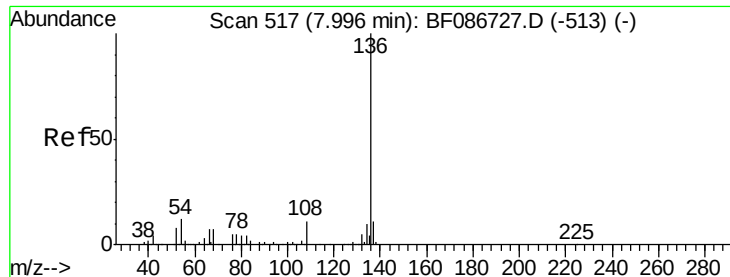
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 40.00 ng

RT: 8.00 min Scan# 517

Delta R.T. 0.00 min

Lab File: BF086737.D

Acq: 6 May 2016 21:30

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 629984

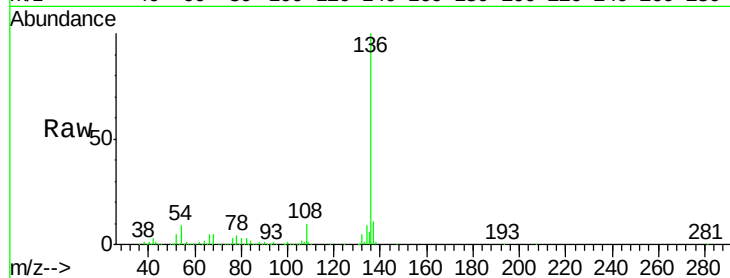
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 9.0 5.0 7.4#

68 5.0 4.4 6.6

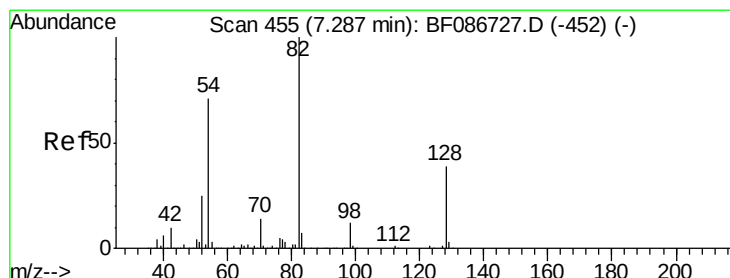
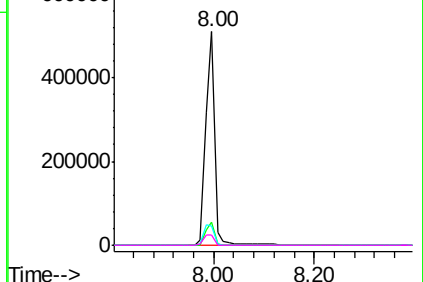
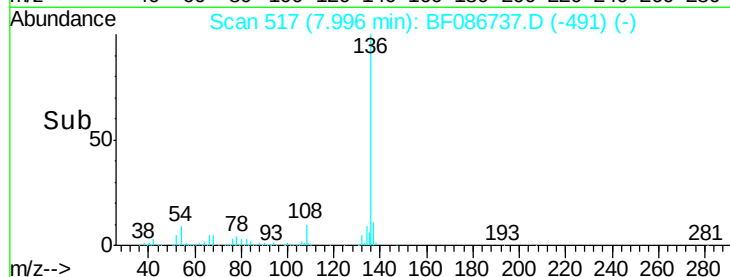


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.33 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.01 min

Lab File: BF086737.D

Acq: 6 May 2016 21:30

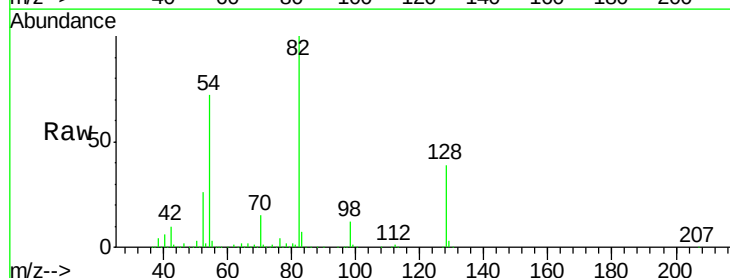
Tgt Ion: 82 Resp: 886676

Ion Ratio Lower Upper

82 100

128 38.6 40.6 61.0#

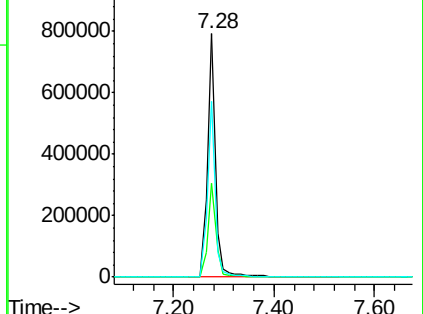
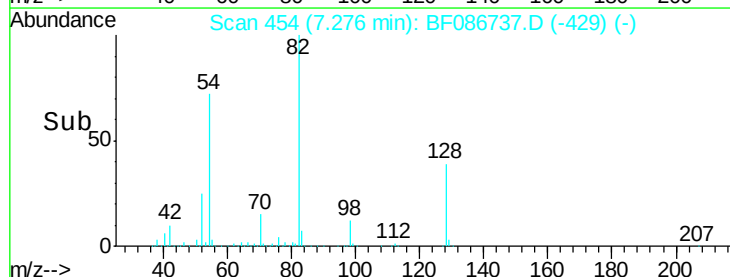
54 72.2 38.1 57.1#

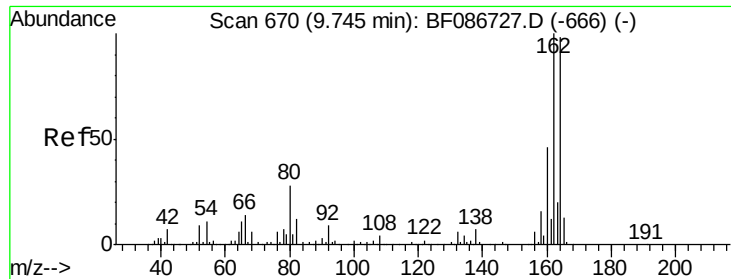


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 40.00 ng

RT: 9.74 min Scan# 670

Delta R.T. 0.00 min

Lab File: BF086737.D

Acq: 6 May 2016 21:30

Instrument :

BNA_F

ClientSampleId :

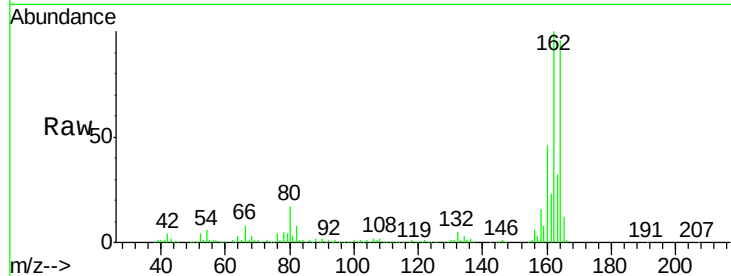
Tot Ion:164 Resp: 305220

Ion Ratio Lower Upper

164 100

162 104.6 82.8 124.2

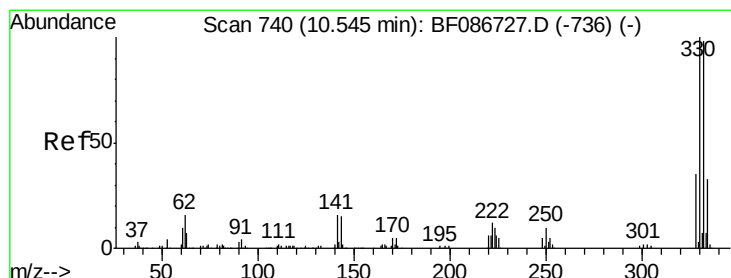
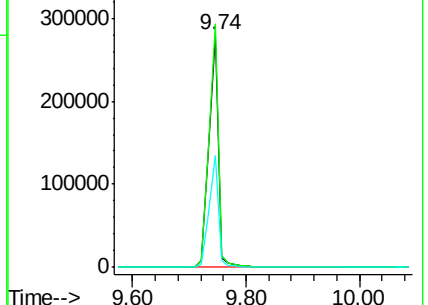
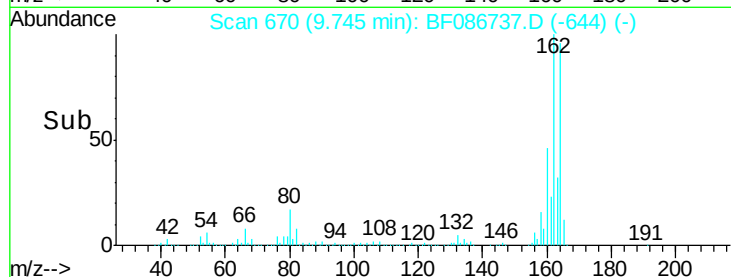
160 47.9 36.9 55.3



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: 124.12 ng

RT: 10.53 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF086737.D

Acq: 6 May 2016 21:30

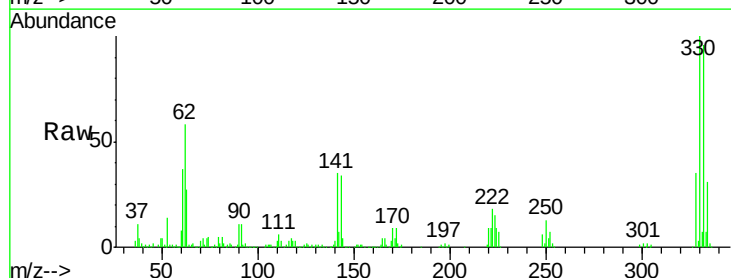
Tgt Ion:330 Resp: 370581

Ion Ratio Lower Upper

330 100

332 96.4 79.0 118.4

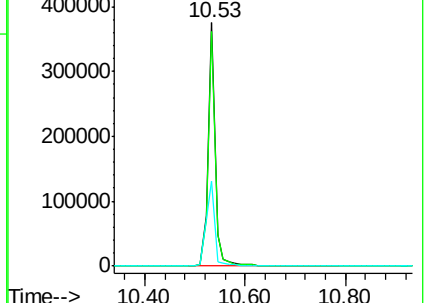
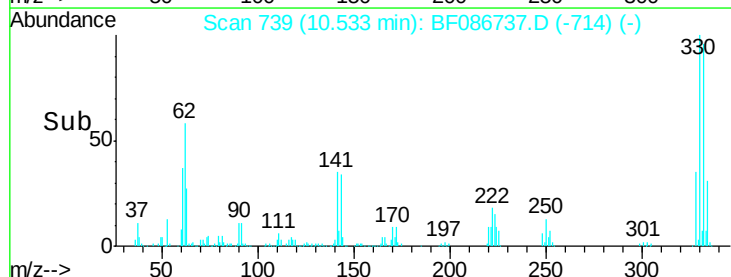
141 41.9 31.2 46.8

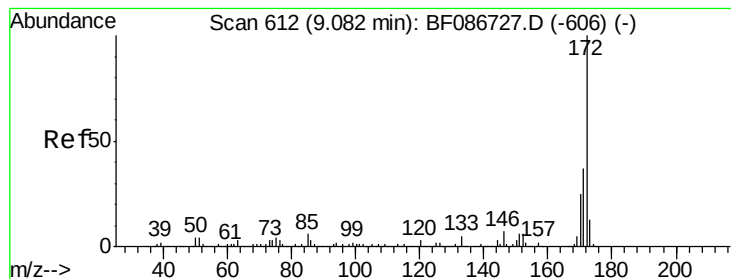


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

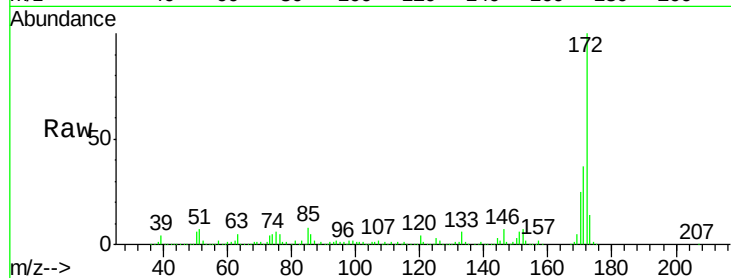




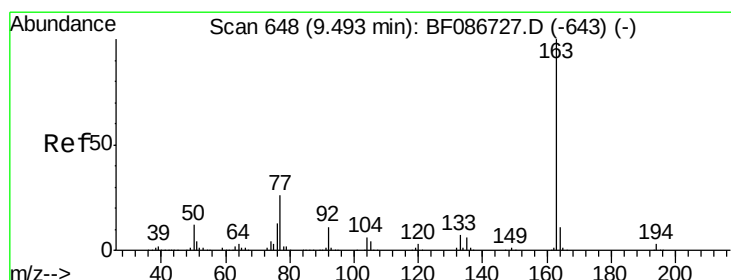
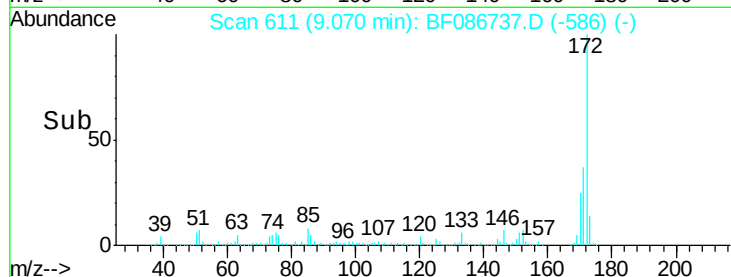
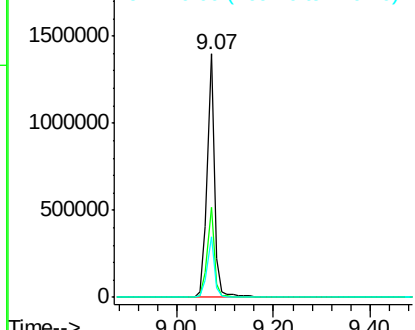
#44
 2-Fluorobiphenyl
 Concen: 80.79 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF086737.D
 Acq: 6 May 2016 21:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1504238
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.0 43.6
 170 25.1 19.8 29.8

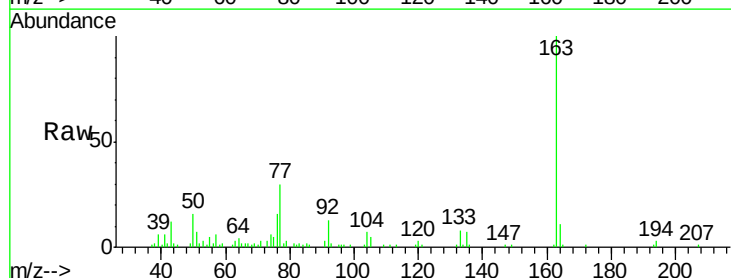


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

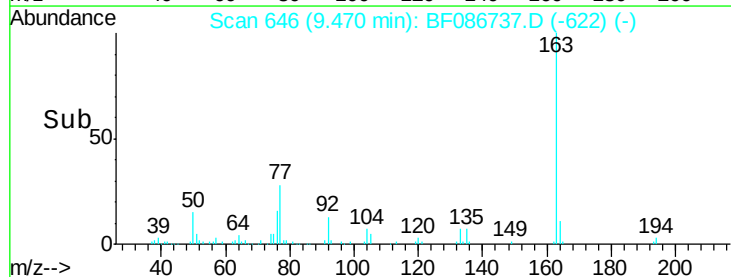
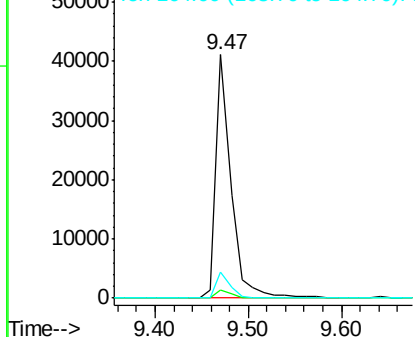


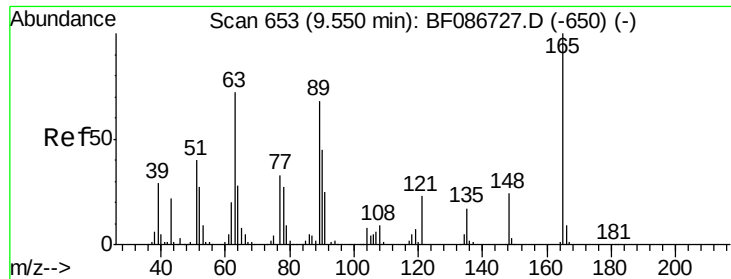
#49
 Dimethylphthalate
 Concen: 2.05 ng
 RT: 9.47 min Scan# 646
 Delta R.T. -0.02 min
 Lab File: BF086737.D
 Acq: 6 May 2016 21:30

Tgt Ion:163 Resp: 46577
 Ion Ratio Lower Upper
 163 100
 194 3.4 2.6 4.0
 164 10.7 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

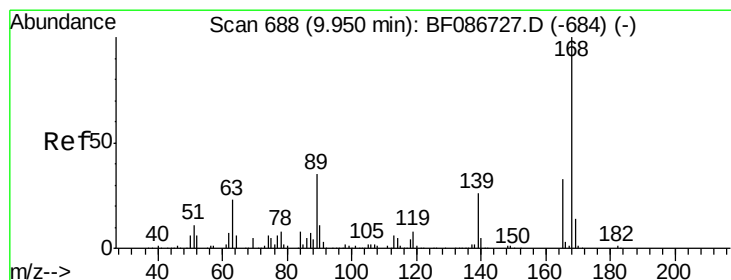
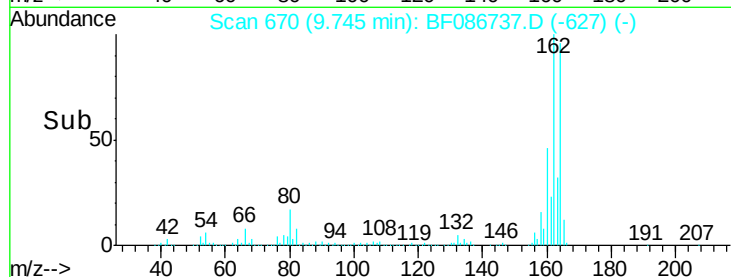
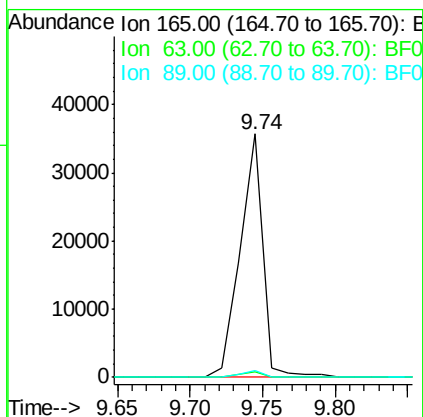
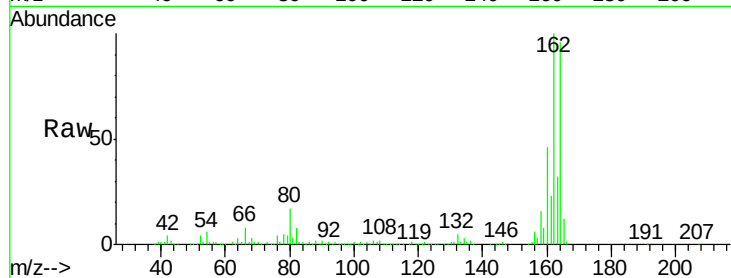




#50
2,6-Dinitrotoluene
Concen: 7.94 ng
RT: 9.74 min Scan# 670
Delta R.T. 0.19 min
Lab File: BF086737.D
Acq: 6 May 2016 21:30

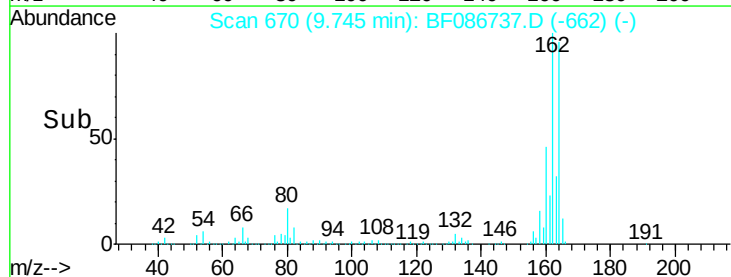
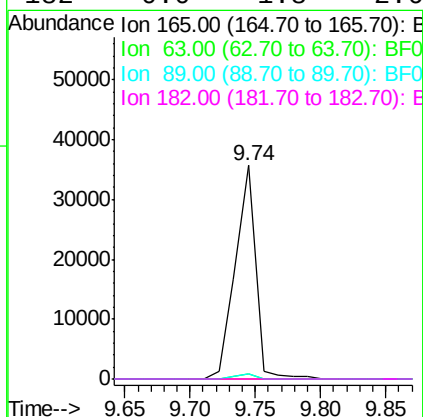
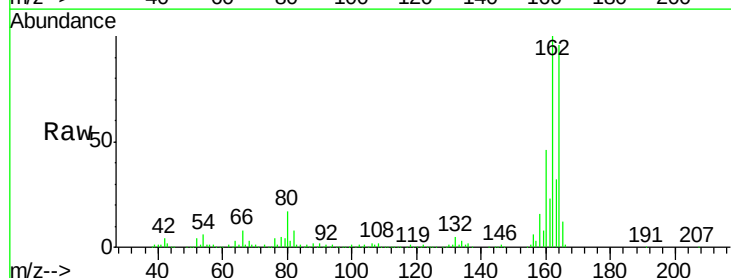
Instrument :
BNA_F
ClientSampleId :

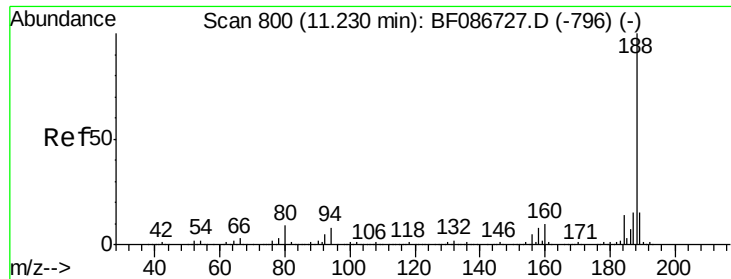
Tot Ion:165 Resp: 38788
Ion Ratio Lower Upper
165 100
63 2.4 51.8 77.8#
89 2.6 50.7 76.1#



#56
2,4-Dinitrotoluene
Concen: 6.41 ng
RT: 9.74 min Scan# 670
Delta R.T. -0.21 min
Lab File: BF086737.D
Acq: 6 May 2016 21:30

Tgt Ion:165 Resp: 38790
Ion Ratio Lower Upper
165 100
63 2.4 44.3 66.5#
89 2.6 70.0 105.0#
182 0.0 1.8 2.6#





#63

Phenanthrene-d10

Concen: 40.00 ng

RT: 11.22 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF086737.D

Acq: 6 May 2016 21:30

Instrument :

BNA_F

ClientSampleId :

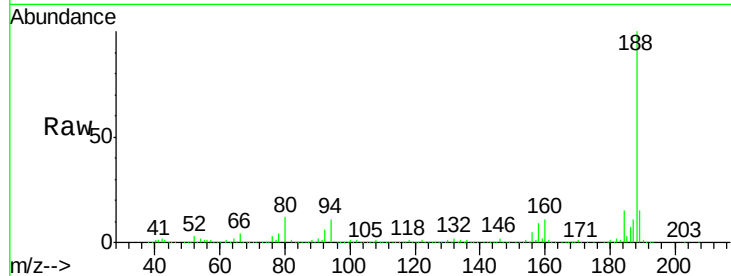
Tot Ion:188 Resp: 515631

Ion Ratio Lower Upper

188 100

94 10.5 6.8 10.2#

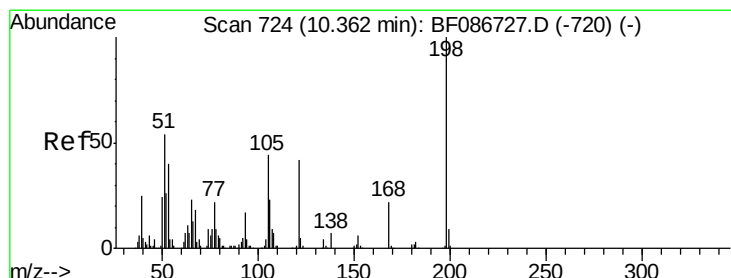
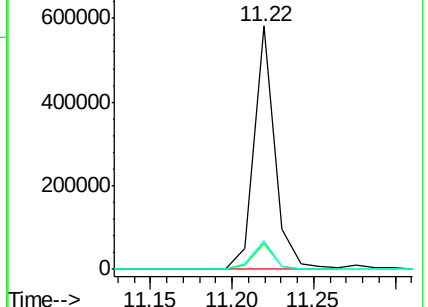
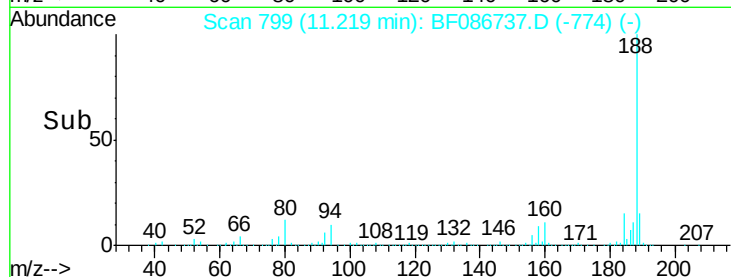
80 11.7 7.1 10.7#



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



#64

4,6-Dinitro-2-methylphenol

Concen: 5.67 ng

RT: 10.53 min Scan# 739

Delta R.T. 0.17 min

Lab File: BF086737.D

Acq: 6 May 2016 21:30

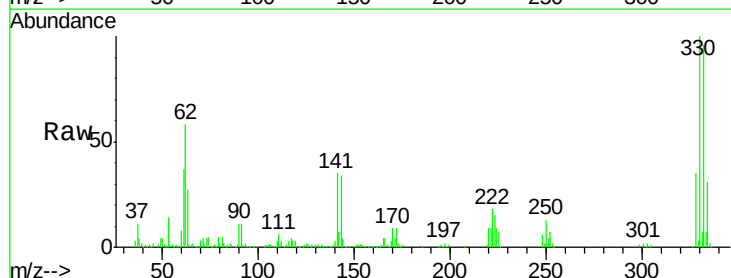
Tgt Ion:198 Resp: 1058

Ion Ratio Lower Upper

198 100

51 213.8 20.5 60.5#

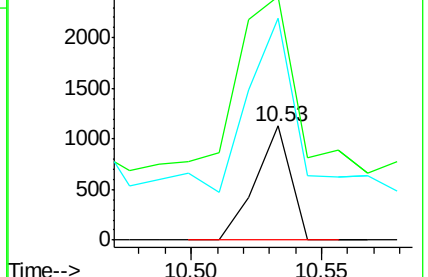
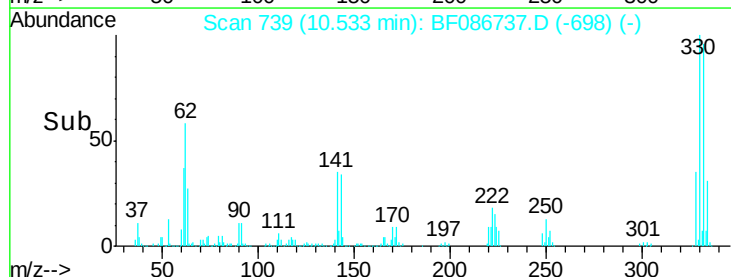
105 194.3 24.5 64.5#

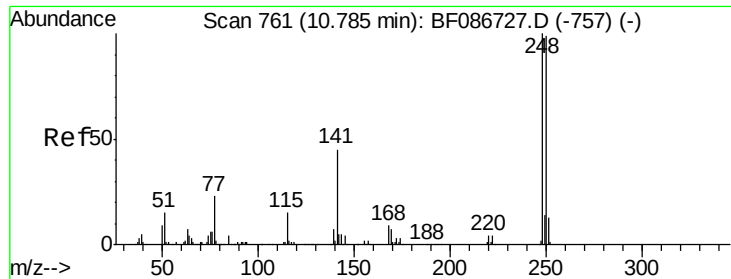


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

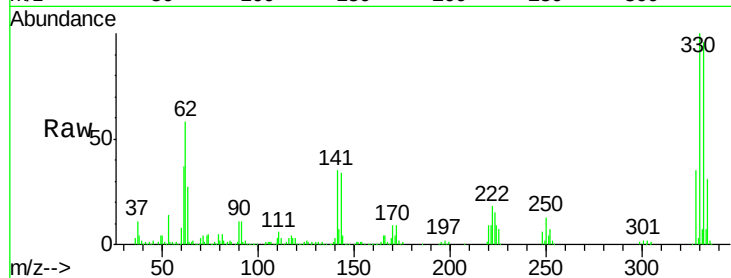




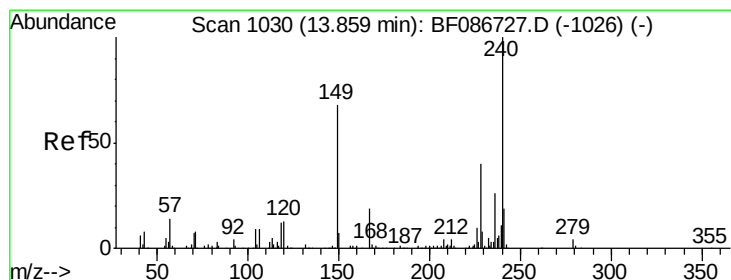
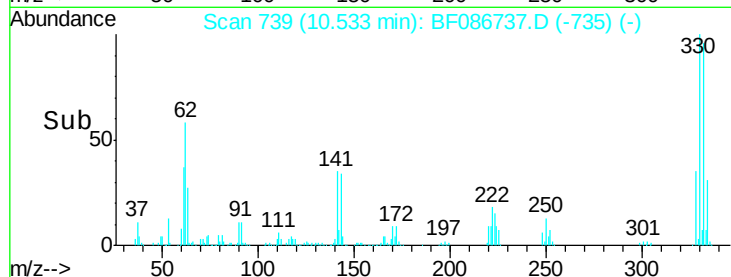
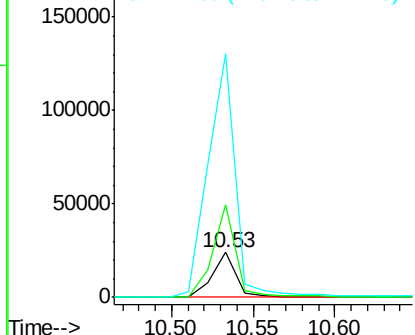
#66
4-Bromophenyl-phenylether
Concen: 4.65 ng
RT: 10.53 min Scan# 739
Delta R.T. -0.25 min
Lab File: BF086737.D
Acq: 6 May 2016 21:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 23840
Ion Ratio Lower Upper
248 100
250 206.3 78.6 117.8#
141 544.9 76.0 114.0#

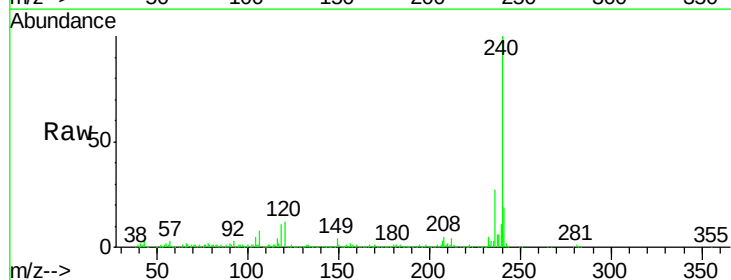


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

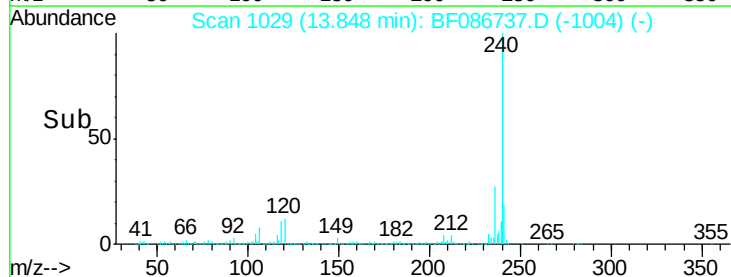
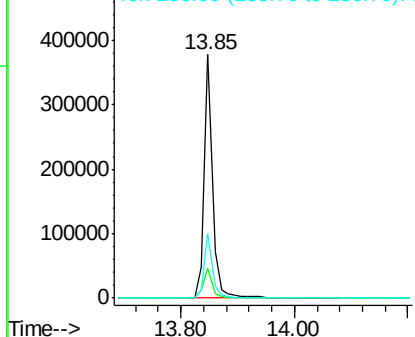


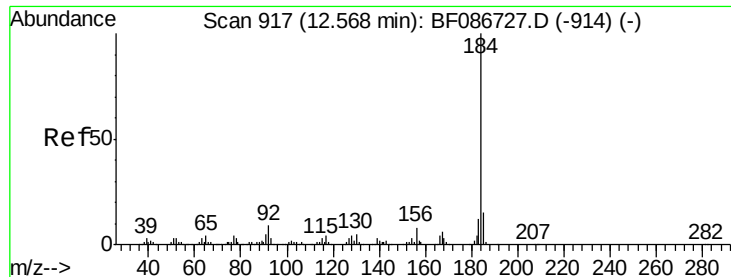
#75
Chrysene-d12
Concen: 40.00 ng
RT: 13.85 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF086737.D
Acq: 6 May 2016 21:30

Tgt Ion:240 Resp: 372337
Ion Ratio Lower Upper
240 100
120 12.4 11.2 16.8
236 26.5 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





#76

Benzidine

Concen: 7.20 ng

RT: 12.53 min Scan# 914

Delta R.T. -0.03 min

Lab File: BF086737.D

Acq: 6 May 2016 21:30

Instrument :

BNA_F

ClientSampled :

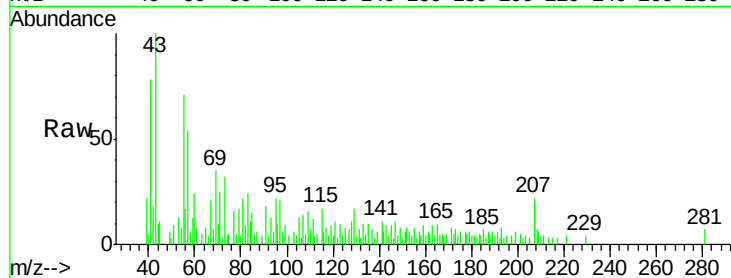
Tot Ion:184 Resp: 1284

Ion Ratio Lower Upper

184 100

185 165.6 13.6 20.4#

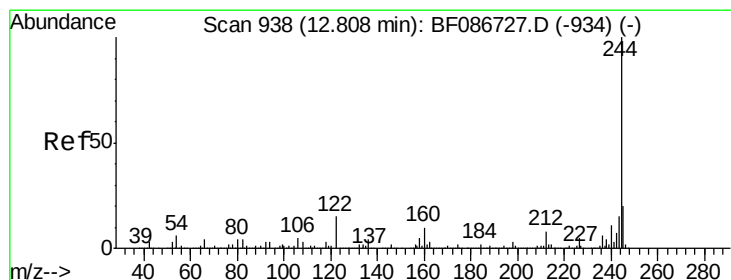
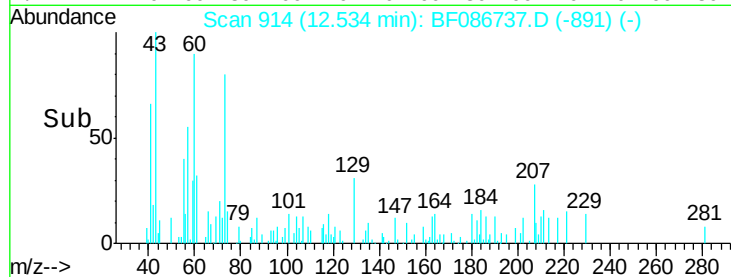
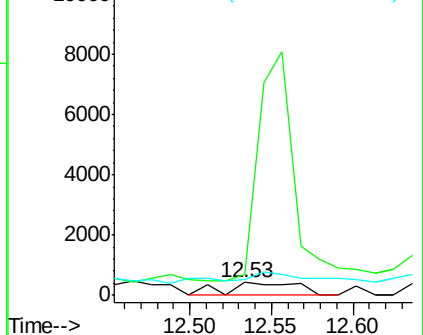
183 125.4 9.8 14.6#



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: 69.01 ng

RT: 12.81 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF086737.D

Acq: 6 May 2016 21:30

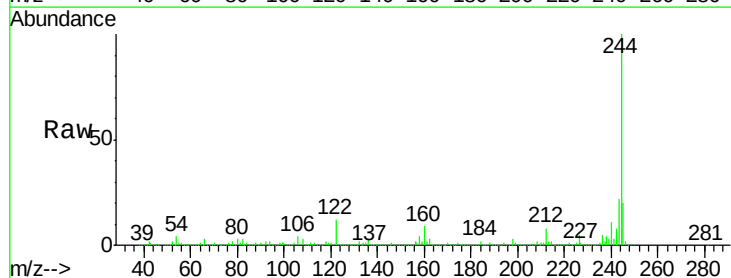
Tgt Ion:244 Resp: 1271476

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

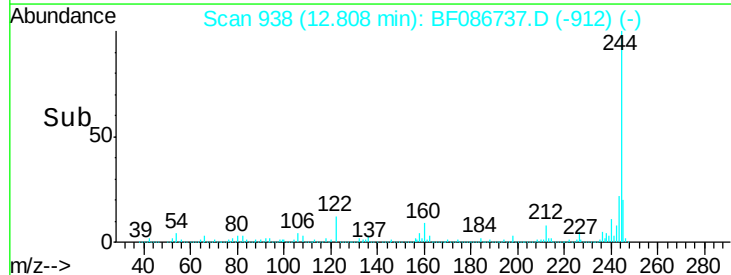
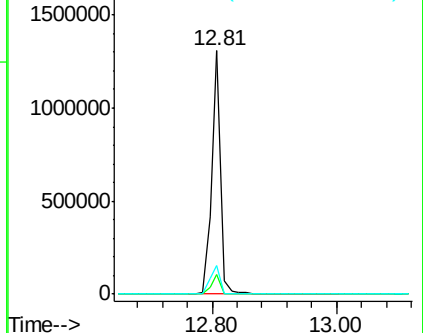
122 11.7 12.0 18.0#

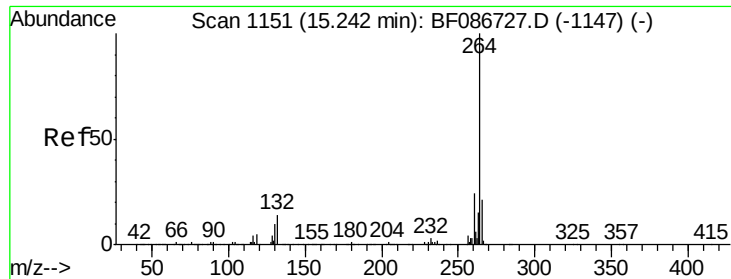


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 40.00 ng
RT: 15.23 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF086737.D
Acq: 6 May 2016 21:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	22.1	17.3	25.9

