

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051316\
 Data File : BF086984.D
 Acq On : 13 May 2016 21:51
 Operator : UM/SJ
 Sample : H2992-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 90THAVE-SB-31(0.5-10.0)

Quant Time: May 13 22:53:00 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

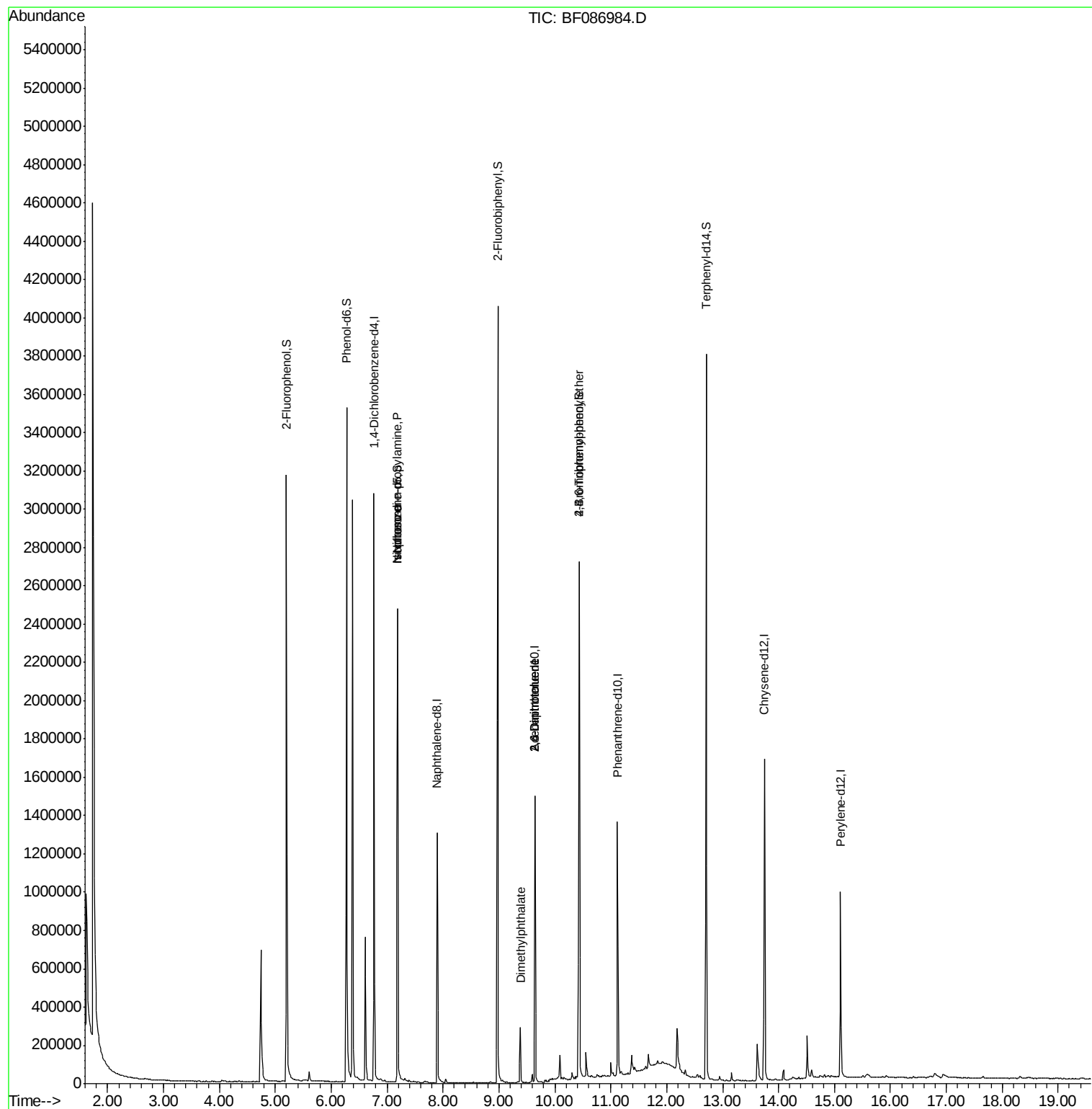
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	403390	20.00	ng	0.07
21) Naphthalene-d8	7.90	136	592971	20.00	ng	-0.09
38) Acenaphthene-d10	9.64	164	292465	20.00	ng	-0.09
63) Phenanthrene-d10	11.12	188	569295	20.00	ng	-0.09
75) Chrysene-d12	13.75	240	527306	20.00	ng	-0.09
86) Perylene-d12	15.11	264	403829	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	876519	36.80	ng	-0.09
7) Phenol-d6	6.27	99	1126155	35.38	ng	-0.09
23) Nitrobenzene-d5	7.19	82	892986	75.62	ng	-0.08
41) 2,4,6-Tribromophenol	10.43	330	307704	99.38	ng	-0.09
44) 2-Fluorobiphenyl	8.98	172	1381641	79.40	ng	-0.08
78) Terphenyl-d14	12.71	244	1234124	49.66	ng	-0.09
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.19	70	128024	5.75	ng	# 77
25) Isophorone	7.19	82	874212	39.90	ng	# 68
49) Dimethylphthalate	9.38	163	121317	5.44	ng	99
50) 2,6-Dinitrotoluene	9.64	165	37185	7.92	ng	# 21
56) 2,4-Dinitrotoluene	9.64	165	37186	6.40	ng	# 16
66) 4-Bromophenyl-phenylether	10.43	248	18894	3.27	ng	# 1

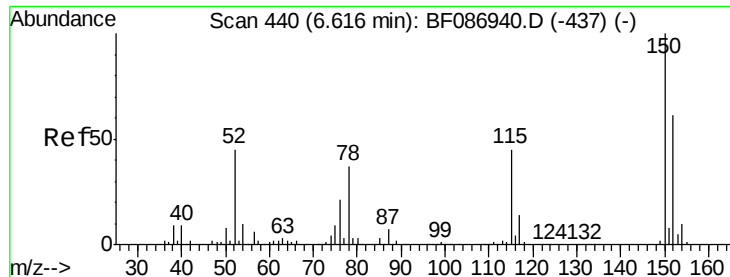
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 453

Delta R.T. 0.07 min

Lab File: BF086984.D

Acq: 13 May 2016 21:51

Instrument :

BNA_F

ClientSampleId :

90THAVE-SB-31(0.5-10.0)

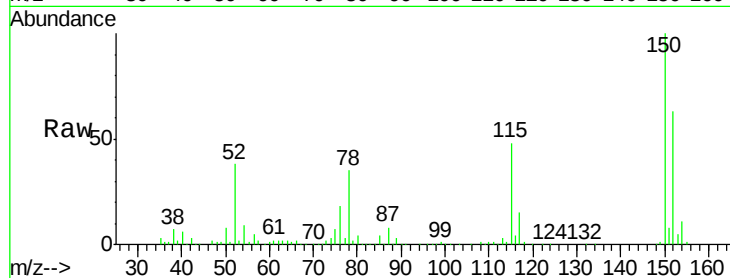
Tgt Ion:152 Resp: 403390

Ion Ratio Lower Upper

152 100

150 158.1 125.8 188.6

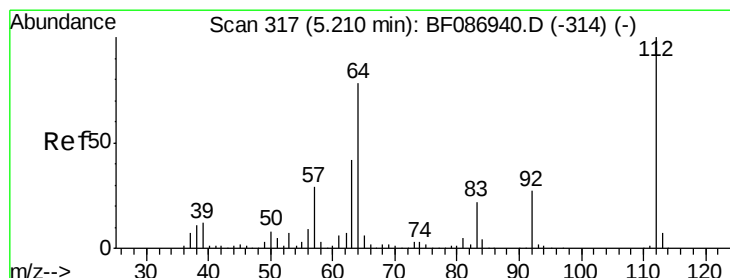
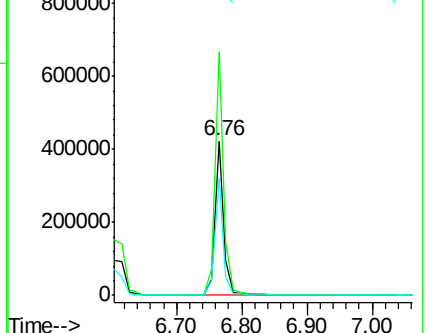
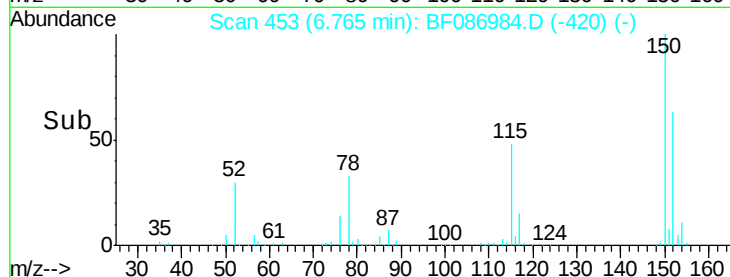
115 76.2 51.5 77.3



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: 36.80 ng

RT: 5.20 min Scan# 316

Delta R.T. -0.09 min

Lab File: BF086984.D

Acq: 13 May 2016 21:51

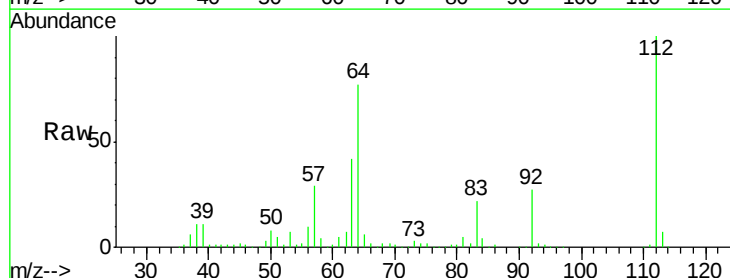
Tgt Ion:112 Resp: 876519

Ion Ratio Lower Upper

112 100

64 77.0 52.1 78.1

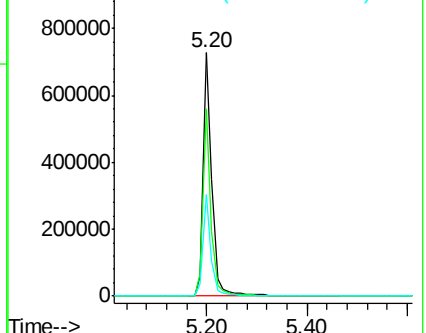
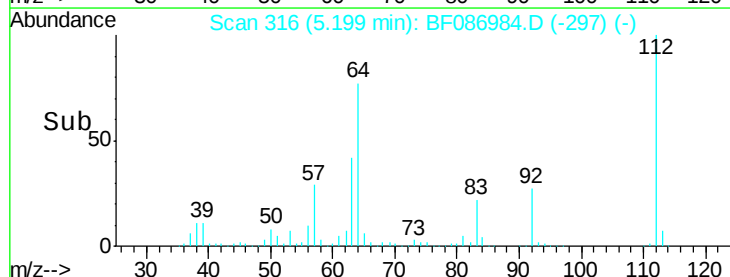
63 41.9 25.7 38.5#

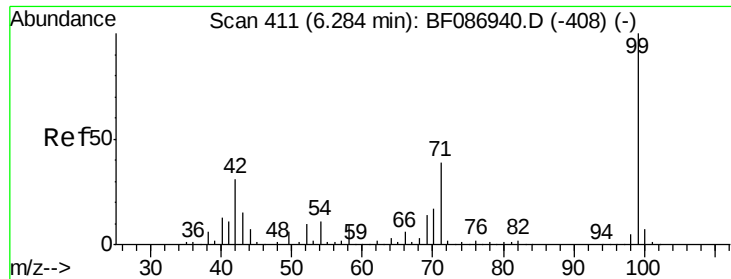


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 35.38 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.09 min

Lab File: BF086984.D

Acq: 13 May 2016 21:51

Instrument :

BNA_F

ClientSampleId :

90THAVE-SB-31(0.5-10.0)

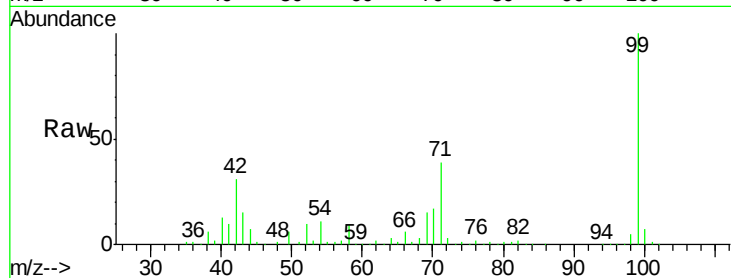
Tgt Ion: 99 Resp: 1126155

Ion Ratio Lower Upper

99 100

42 30.9 13.6 20.4#

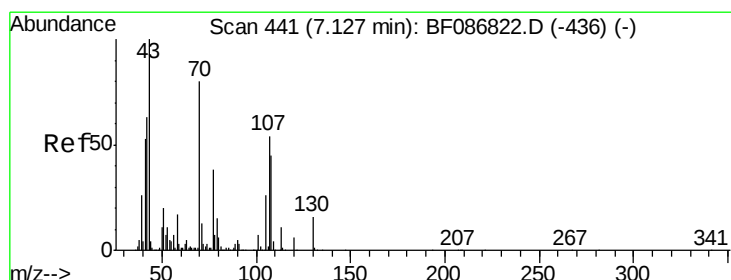
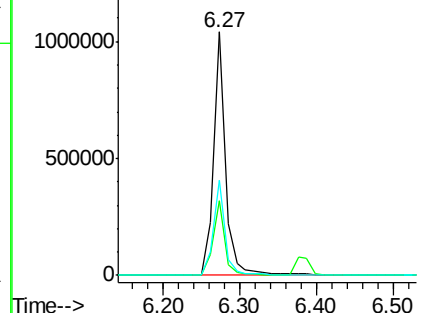
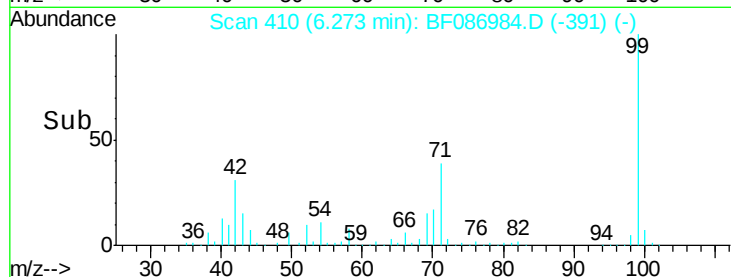
71 39.3 24.6 36.8#



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.75 ng

RT: 7.19 min Scan# 490

Delta R.T. 0.06 min

Lab File: BF086984.D

Acq: 13 May 2016 21:51

Tgt Ion: 70 Resp: 128024

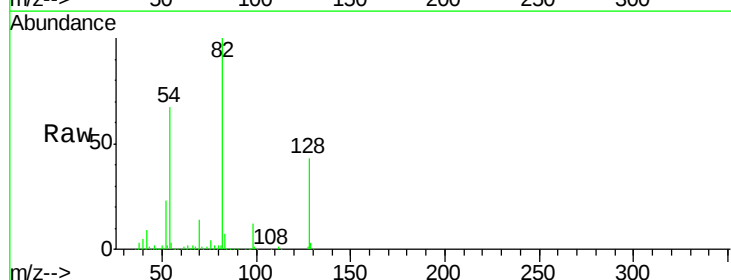
Ion Ratio Lower Upper

70 100

42 62.8 43.1 64.7

101 0.0 8.1 12.1#

130 1.8 18.6 28.0#

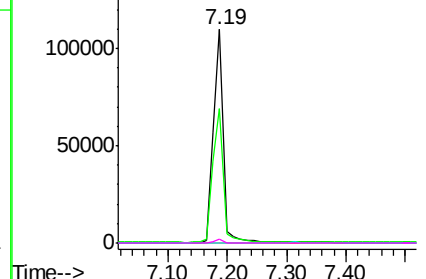
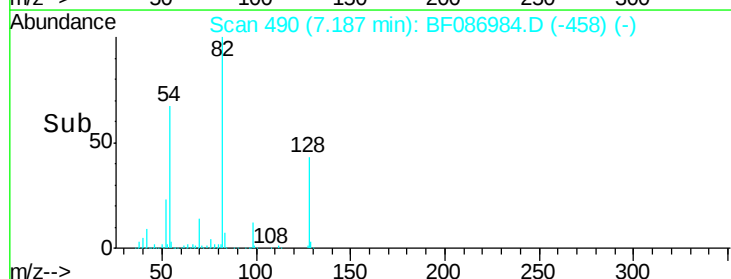


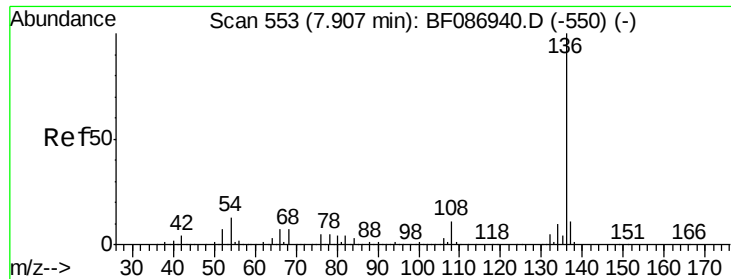
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF086984.D

Acq: 13 May 2016 21:51

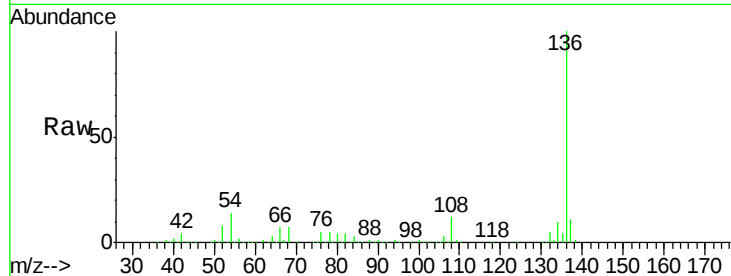
Instrument :

BNA_F

ClientSampleId :

90THAVE-SB-31(0.5-10.0)

Tgt Ion:	136	Resp:	592971
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	14.0	5.0	7.4#
68	7.3	4.4	6.6#

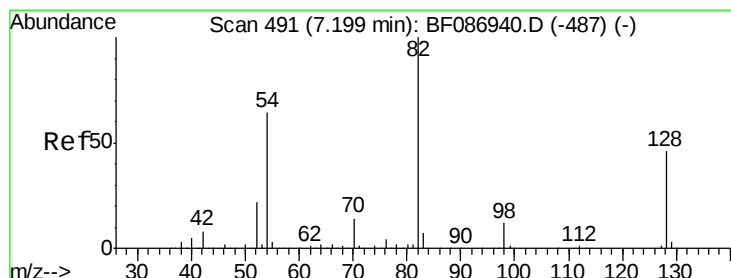
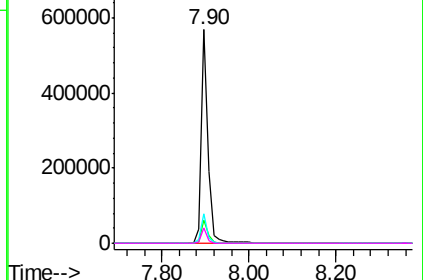
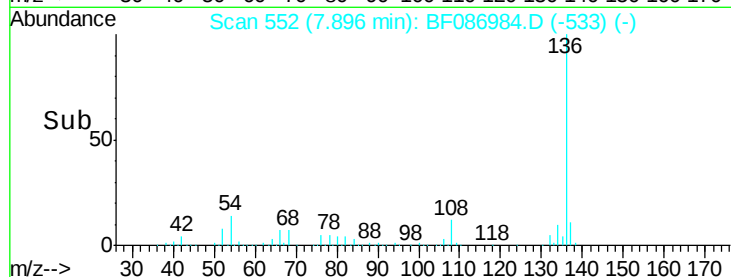


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 75.62 ng

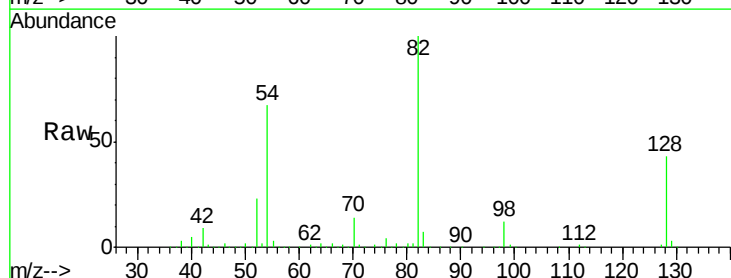
RT: 7.19 min Scan# 490

Delta R.T. -0.08 min

Lab File: BF086984.D

Acq: 13 May 2016 21:51

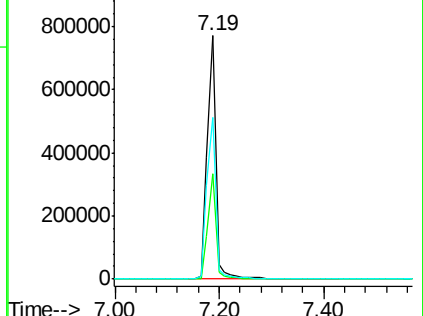
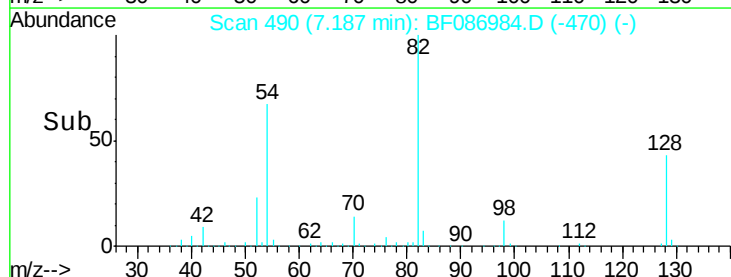
Tgt Ion:	82	Resp:	892986
Ion	Ratio	Lower	Upper
82	100		
128	43.2	40.6	61.0
54	66.7	38.1	57.1#

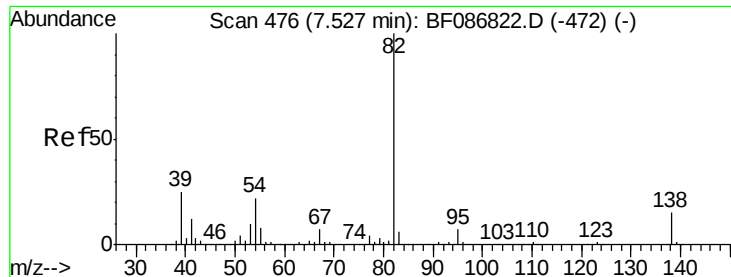


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 39.90 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.34 min

Lab File: BF086984.D

Acq: 13 May 2016 21:51

Instrument :

BNA_F

ClientSampleId :

90THAVE-SB-31(0.5-10.0)

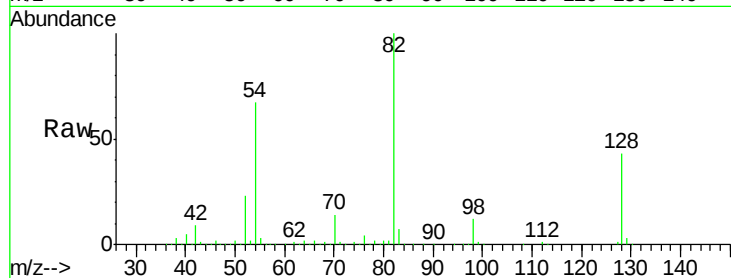
Tgt Ion: 82 Resp: 874212

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

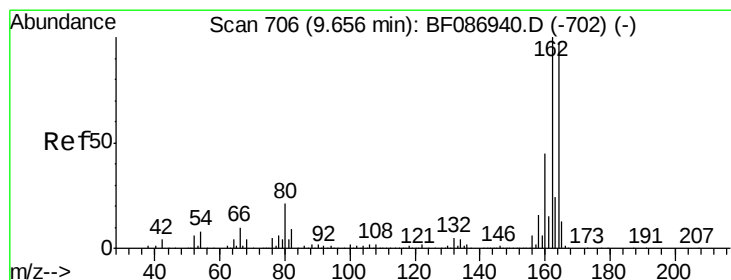
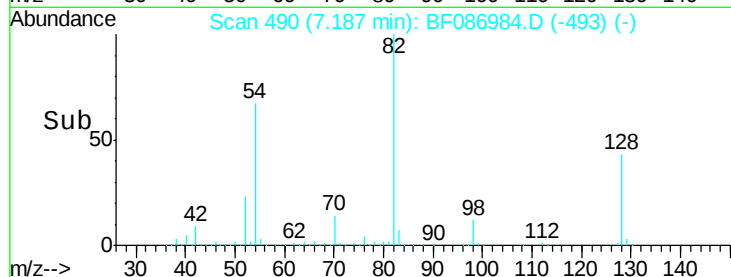
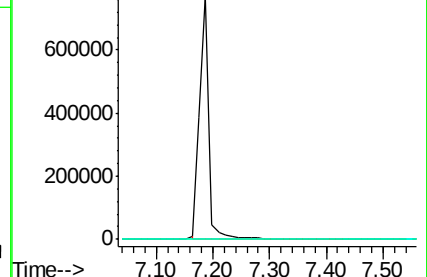
138 0.0 12.4 18.6#



Abundance Ion 82.00 (81.70 to 82.70): BF086822.D (-472) (-)

Ion 95.00 (94.70 to 95.70): BF086822.D (-472) (-)

Ion 138.00 (137.70 to 138.70): BF086822.D (-472) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.09 min

Lab File: BF086984.D

Acq: 13 May 2016 21:51

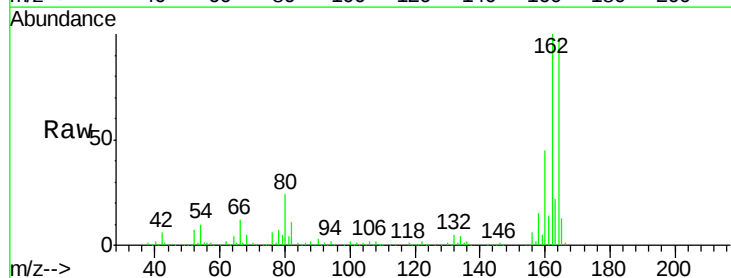
Tgt Ion: 164 Resp: 292465

Ion Ratio Lower Upper

164 100

162 101.6 82.8 124.2

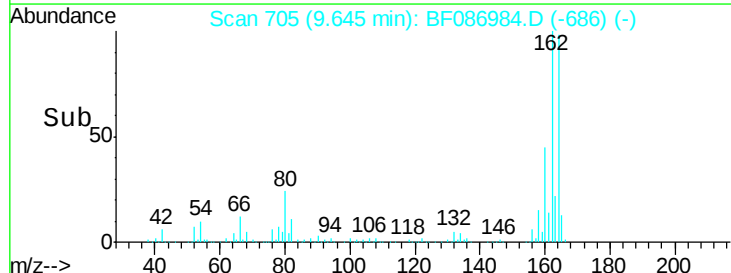
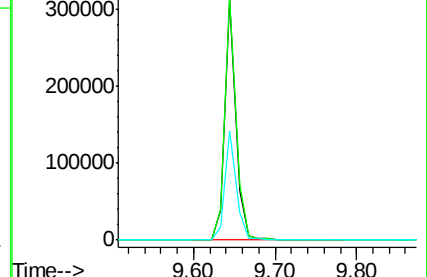
160 45.4 36.9 55.3

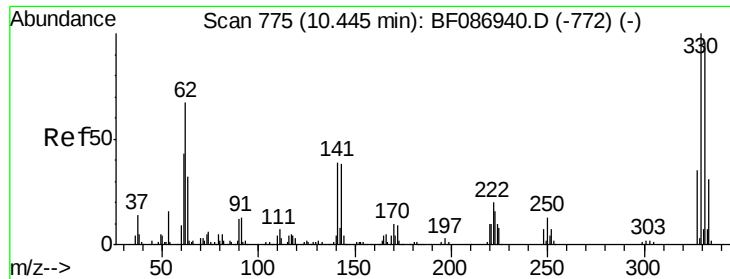


Abundance Ion 164.00 (163.70 to 164.70): BF086940.D (-702) (-)

Ion 162.00 (161.70 to 162.70): BF086940.D (-702) (-)

Ion 160.00 (159.70 to 160.70): BF086940.D (-702) (-)

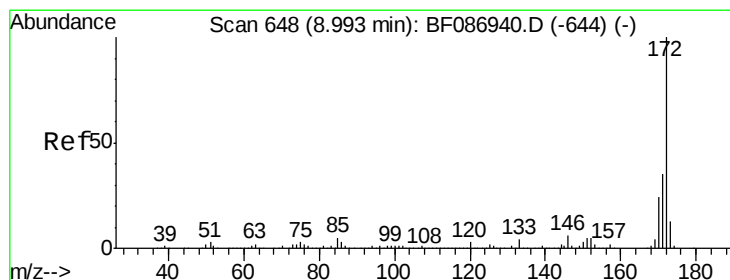
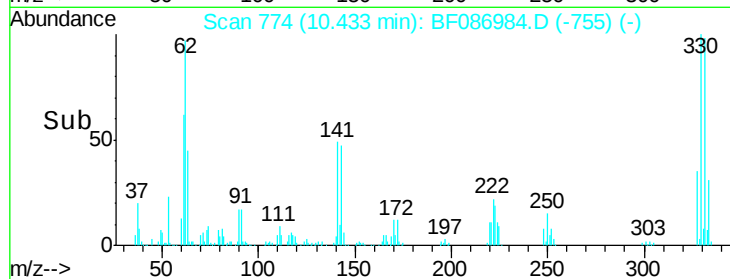
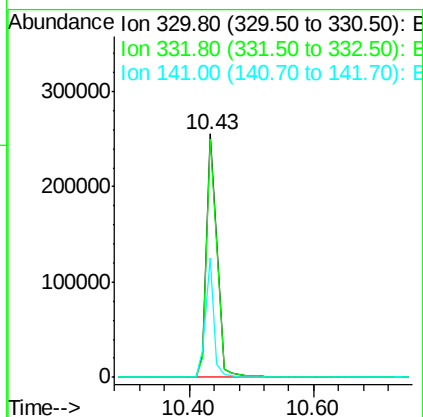
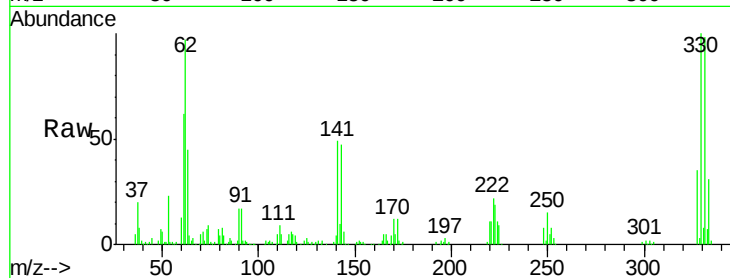




#41
 2,4,6-Tribromophenol
 Concen: 99.38 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.09 min
 Lab File: BF086984.D
 Acq: 13 May 2016 21:51

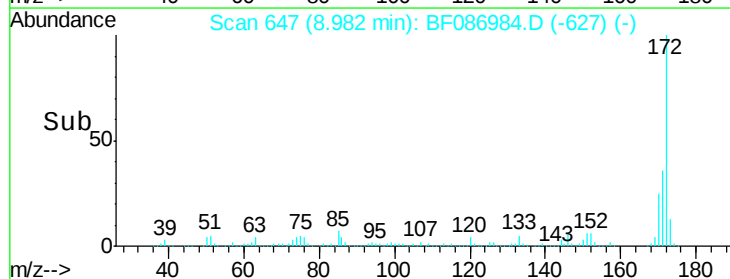
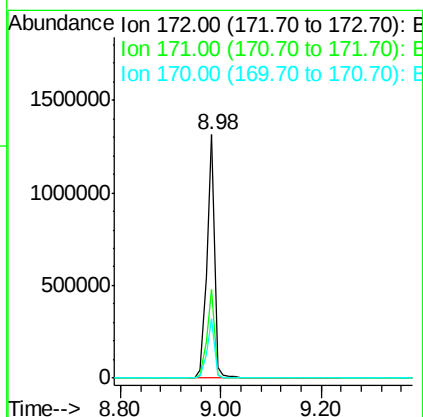
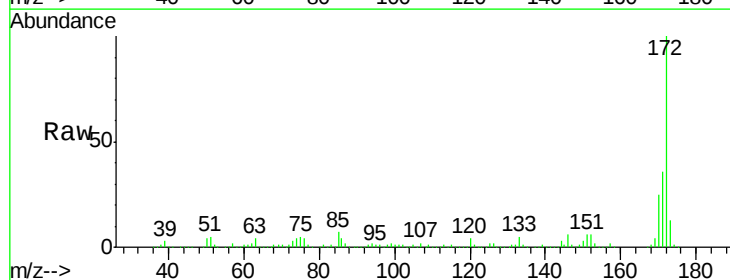
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 90THAVE-SB-31(0.5-10.0)

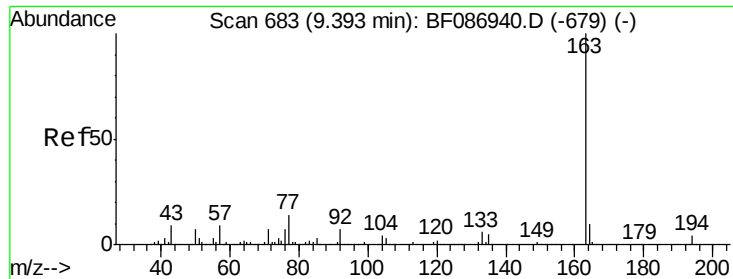
Tgt Ion:330 Resp: 307704
 Ion Ratio Lower Upper
 330 100
 332 97.6 79.0 118.4
 141 39.2 31.2 46.8



#44
 2-Fluorobiphenyl
 Concen: 79.40 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.08 min
 Lab File: BF086984.D
 Acq: 13 May 2016 21:51

Tgt Ion:172 Resp: 1381641
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.0 43.6
 170 24.5 19.8 29.8

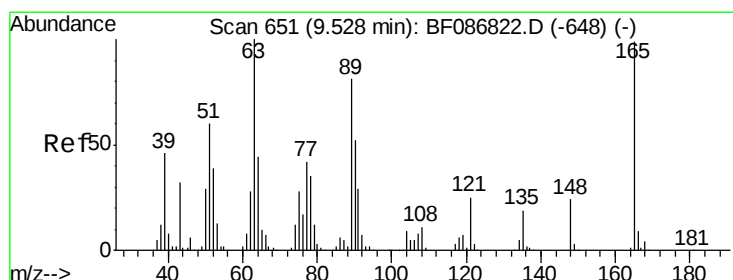
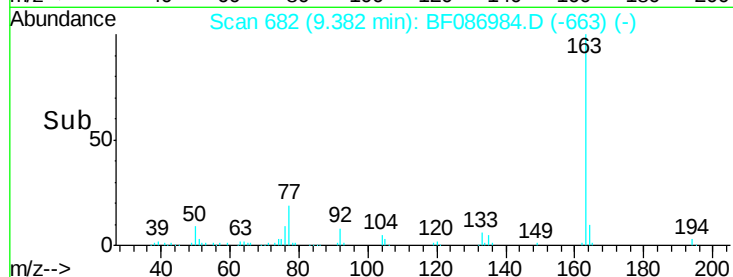
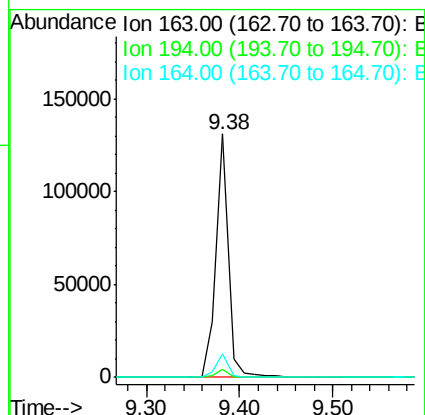
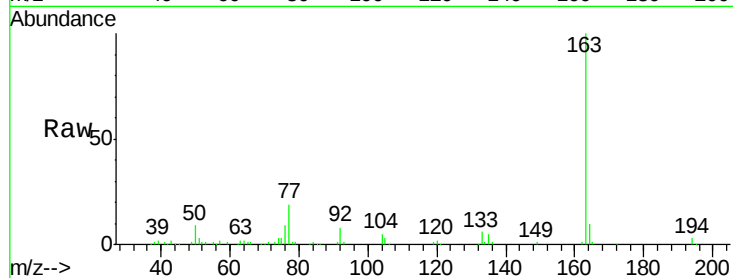




#49
Dimethylphthalate
Concen: 5.44 ng
RT: 9.38 min Scan# 682
Delta R.T. -0.09 min
Lab File: BF086984.D
Acq: 13 May 2016 21:51

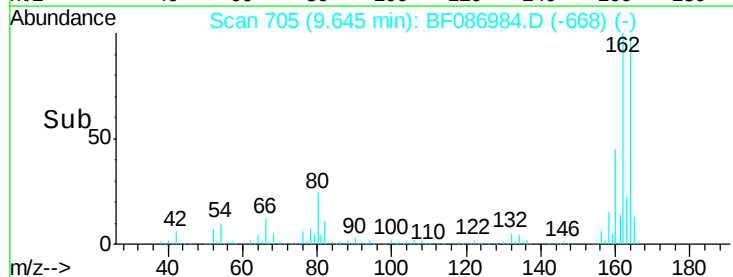
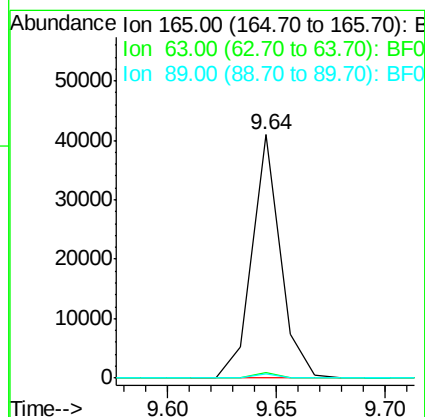
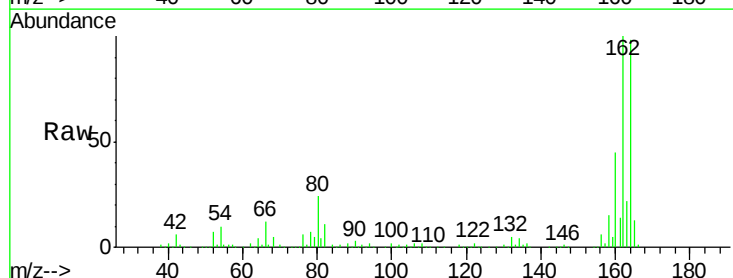
Instrument :
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90THAVE-SB-31(0.5-10.0)

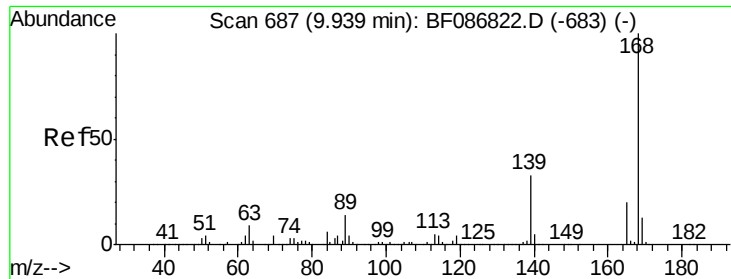
Tgt Ion:163 Resp: 121317
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 9.7 8.2 12.4



#50
2,6-Dinitrotoluene
Concen: 7.92 ng
RT: 9.64 min Scan# 705
Delta R.T. 0.12 min
Lab File: BF086984.D
Acq: 13 May 2016 21:51

Tgt Ion:165 Resp: 37185
Ion Ratio Lower Upper
165 100
63 2.1 51.8 77.8#
89 1.7 50.7 76.1#

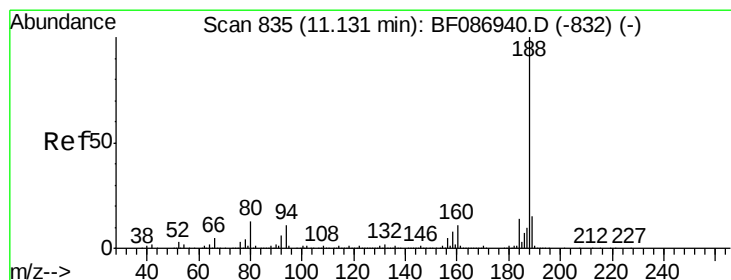
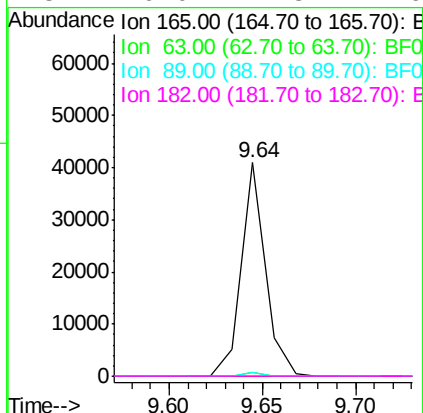
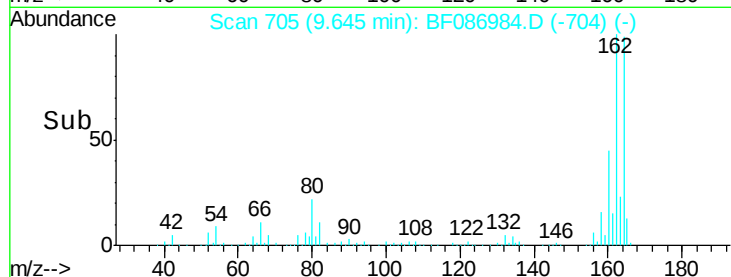
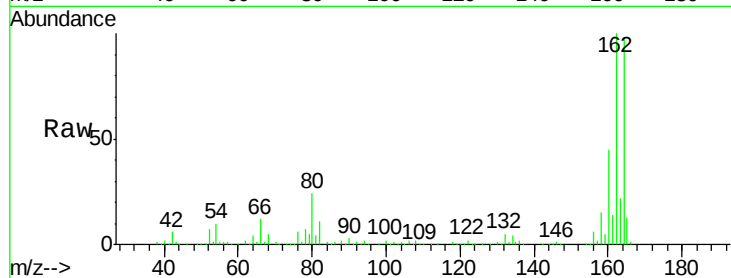




#56
 2,4-Dinitrotoluene
 Concen: 6.40 ng
 RT: 9.64 min Scan# 705
 Delta R.T. -0.29 min
 Lab File: BF086984.D
 Acq: 13 May 2016 21:51

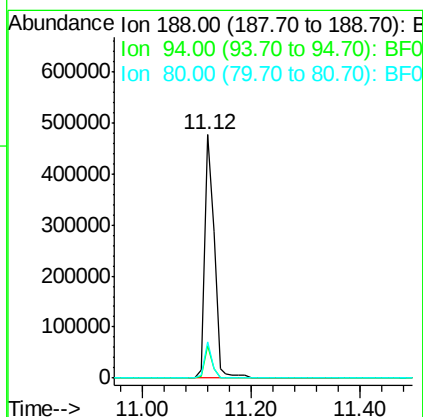
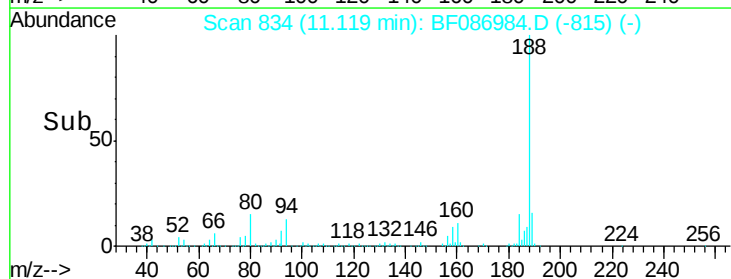
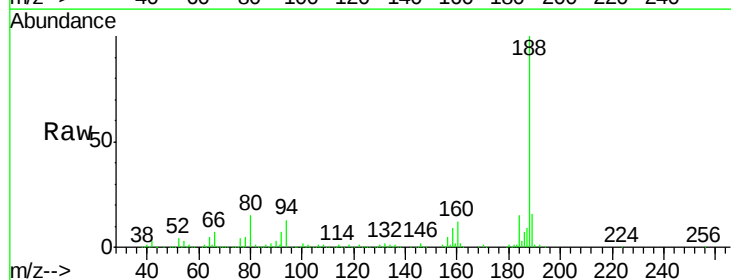
Instrument :
 BNA_F
 ClientSampleId :
 90THAVE-SB-31(0.5-10.0)

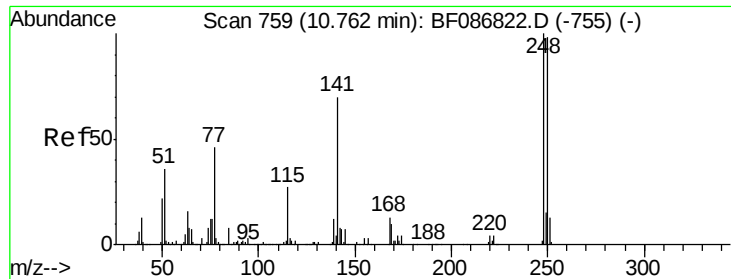
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	44.3	66.5#
89	1.7	70.0	105.0#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.12 min Scan# 834
 Delta R.T. -0.09 min
 Lab File: BF086984.D
 Acq: 13 May 2016 21:51

Tgt Ion	Ratio	Lower	Upper
188	100		
94	13.4	6.8	10.2#
80	15.1	7.1	10.7#





#66

4-Bromophenyl-phenylether

Concen: 3.27 ng

RT: 10.43 min Scan# 774

Delta R.T. -0.33 min

Lab File: BF086984.D

Acq: 13 May 2016 21:51

Instrument :

BNA_F

ClientSampleId :

90THAVE-SB-31(0.5-10.0)

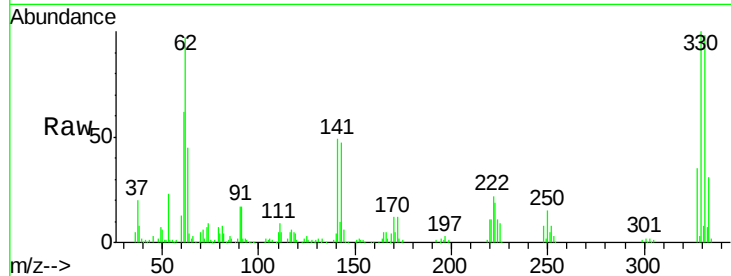
Tgt Ion:248 Resp: 18894

Ion Ratio Lower Upper

248 100

250 196.8 78.6 117.8#

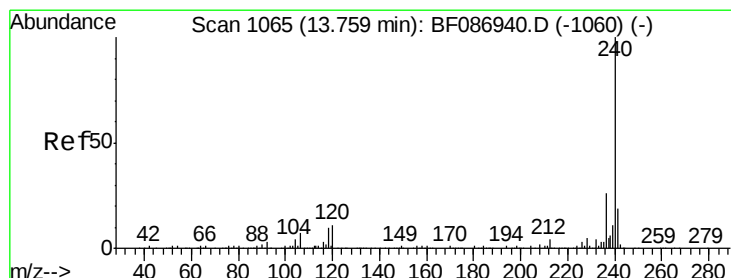
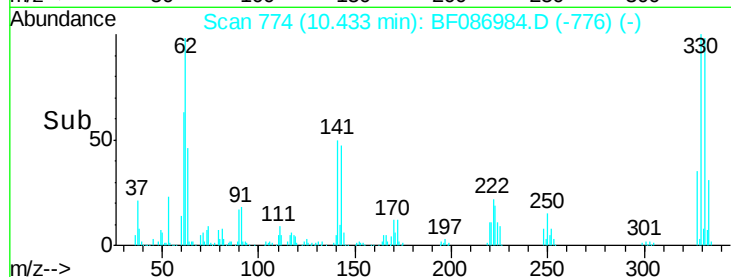
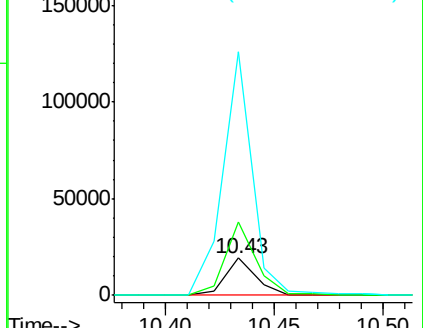
141 650.6 76.0 114.0#



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: BF086984.D

Acq: 13 May 2016 21:51

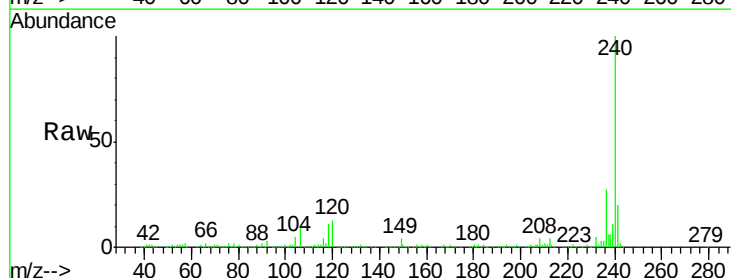
Tgt Ion:240 Resp: 527306

Ion Ratio Lower Upper

240 100

120 12.6 11.2 16.8

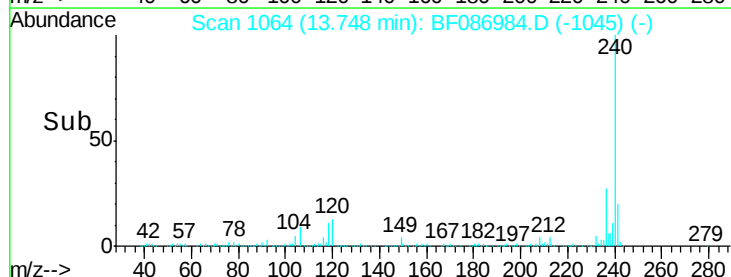
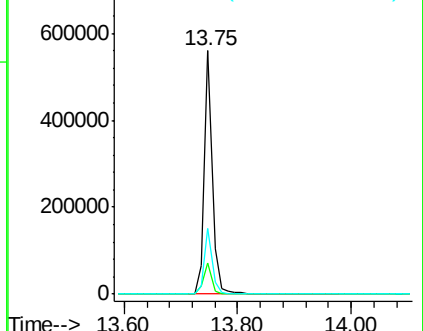
236 26.8 21.2 31.8

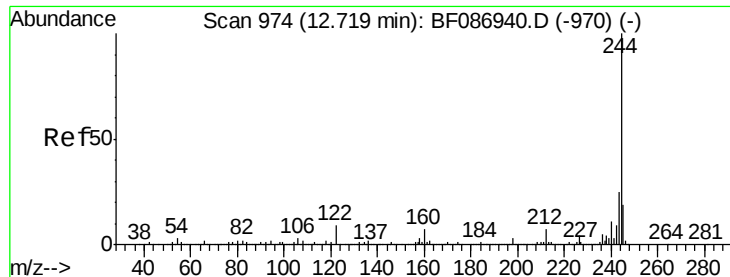


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

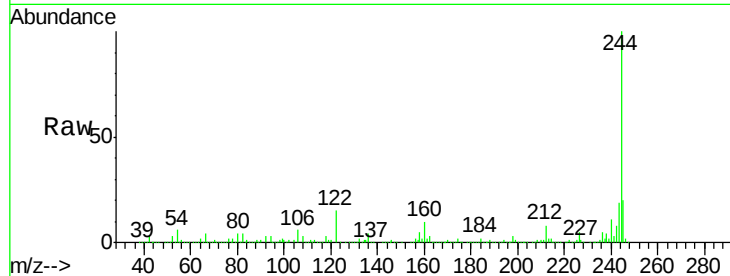




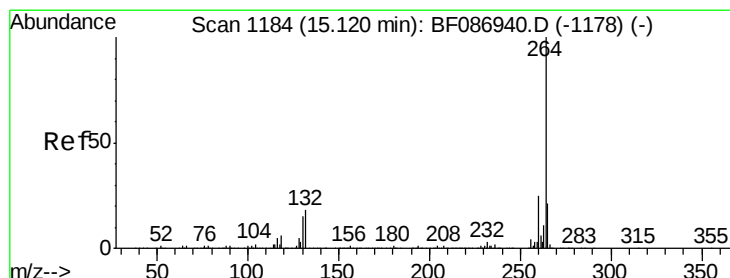
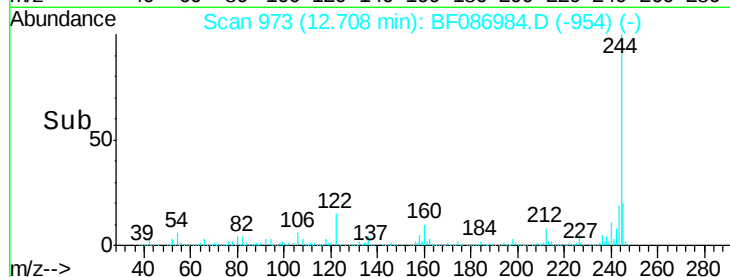
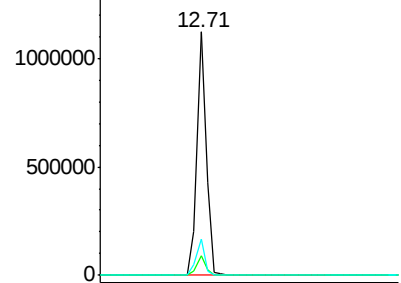
#78
 Terphenyl-d14
 Concen: 49.66 ng
 RT: 12.71 min Scan# 973
 Delta R.T. -0.09 min
 Lab File: BF086984.D
 Acq: 13 May 2016 21:51

Instrument :
 BNA_F
 ClientSampleId :
 90THAVE-SB-31(0.5-10.0)

Tgt Ion:244 Resp: 1234124
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.2 9.2
 122 15.1 12.0 18.0

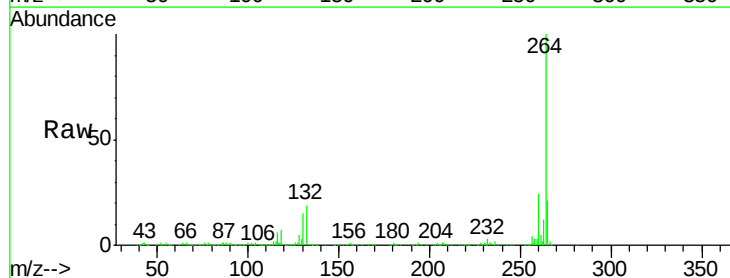


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.11 min Scan# 1183
 Delta R.T. -0.10 min
 Lab File: BF086984.D
 Acq: 13 May 2016 21:51

Tgt Ion:264 Resp: 403829
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.5 29.3
 265 21.5 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

