

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111715\
 Data File : BF082986.D
 Acq On : 18 Nov 2015 00:57
 Operator : UM/IZ
 Sample : G4407-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 18 04:30:45 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 17 04:41:30 2015
 Response via : Initial Calibration

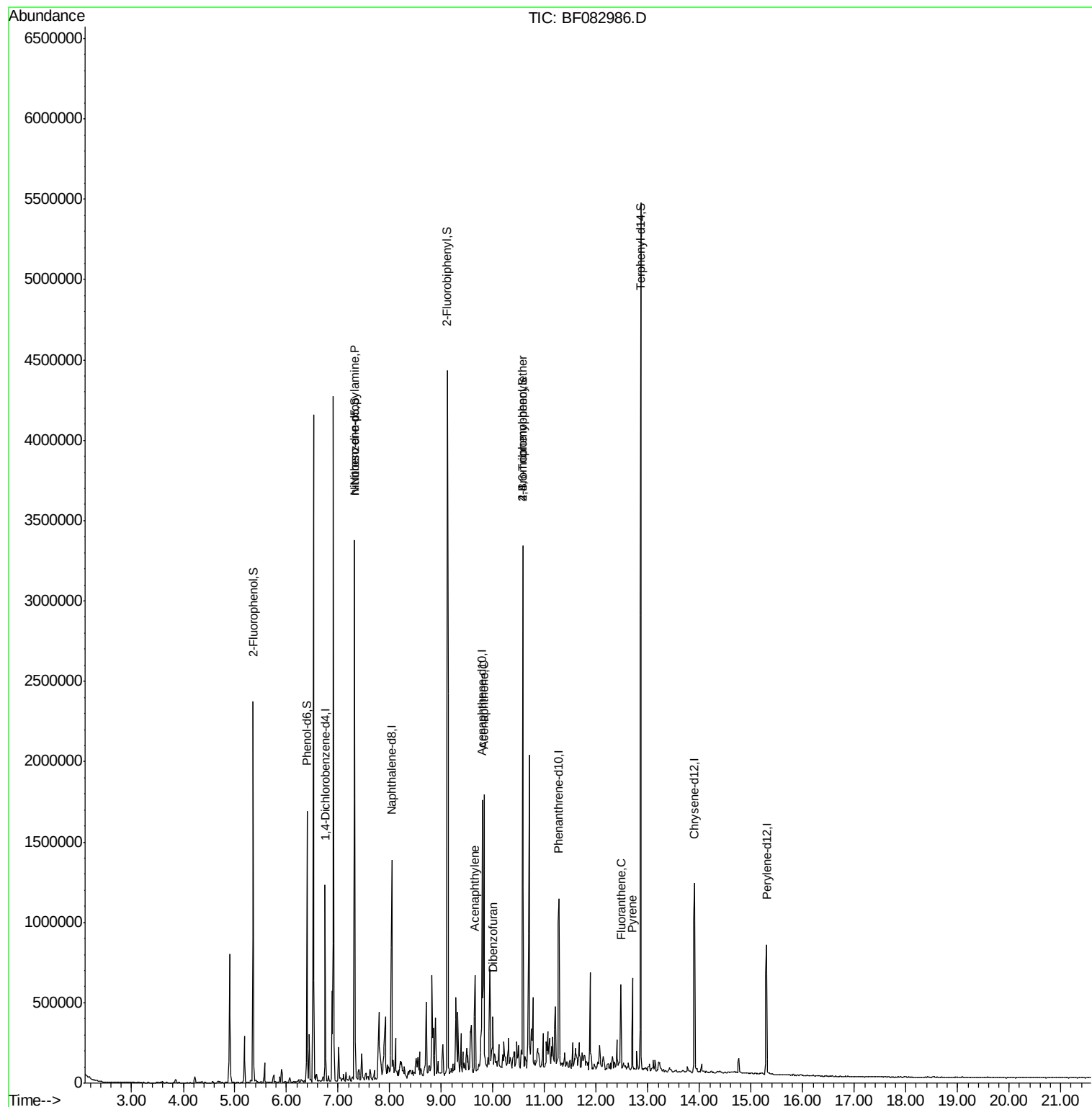
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	162058	20.00	ng	-0.10
21) Naphthalene-d8	8.04	136	618028	20.00	ng	-0.10
38) Acenaphthene-d10	9.79	164	313934	20.00	ng	-0.10
63) Phenanthrene-d10	11.28	188	559258	20.00	ng	-0.10
75) Chrysene-d12	13.91	240	558780	20.00	ng	-0.11
86) Perylene-d12	15.30	264	420615	20.00	ng	-0.16
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	658552	63.23	ng	-0.09
7) Phenol-d6	6.40	99	500489	36.15	ng	-0.09
23) Nitrobenzene-d5	7.32	82	1282591	90.30	ng	-0.09
41) 2,4,6-Tribromophenol	10.58	330	424995	118.07	ng	-0.10
44) 2-Fluorobiphenyl	9.12	172	1787120	81.59	ng	-0.10
78) Terphenyl-d14	12.86	244	1906593	80.93	ng	-0.10
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.32	70	175414	17.23	ng	# 68
48) Acenaphthylene	9.65	152	112699	3.42	ng	# 92
51) Acenaphthene	9.82	154	355872	17.05	ng	99
54) Dibenzofuran	10.00	168	94878	3.37	ng	# 86
66) 4-Bromophenyl-phenylether	10.58	248	27419	4.07	ng	# 1
74) Fluoranthene	12.48	202	197296	5.66	ng	97
77) Pyrene	12.70	202	238243	6.21	ng	95

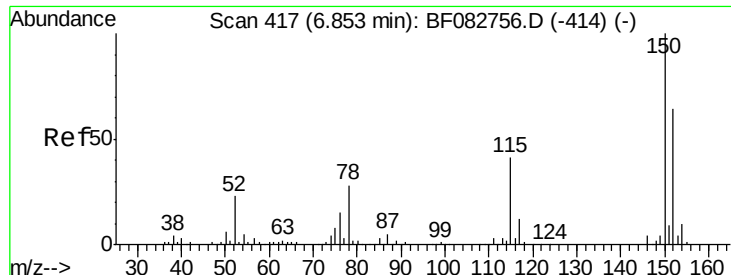
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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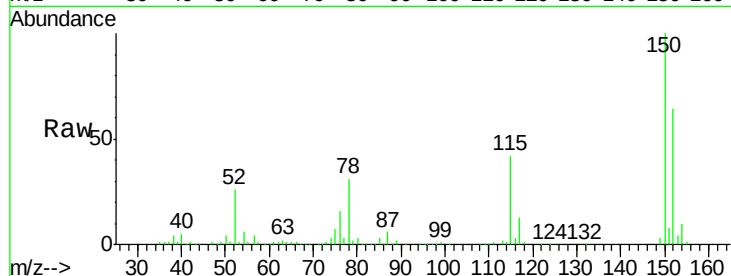


#1

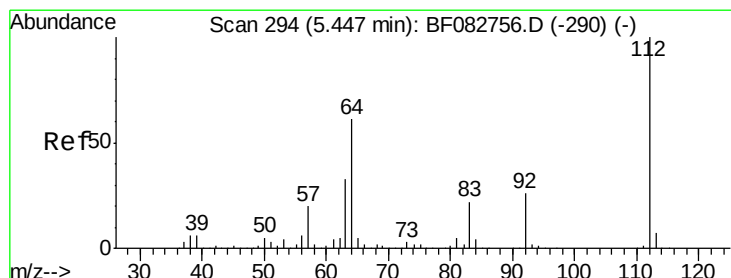
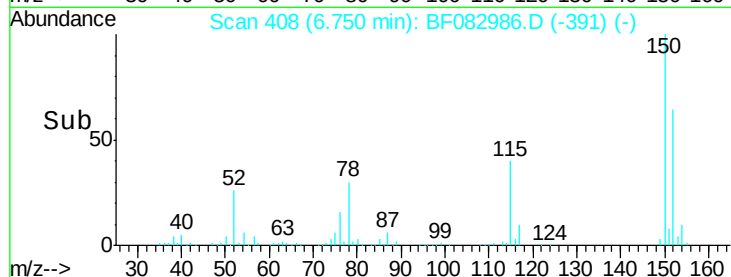
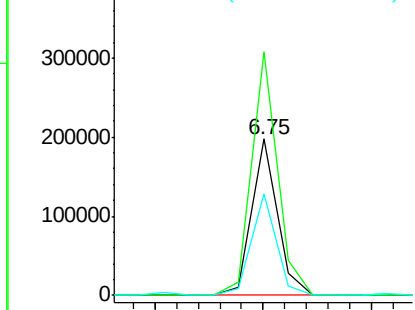
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 408
Delta R.T. -0.10 min
Lab File: BF082986.D
Acq: 18 Nov 2015 00:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	127.0	190.4
115	65.0	47.0	70.6



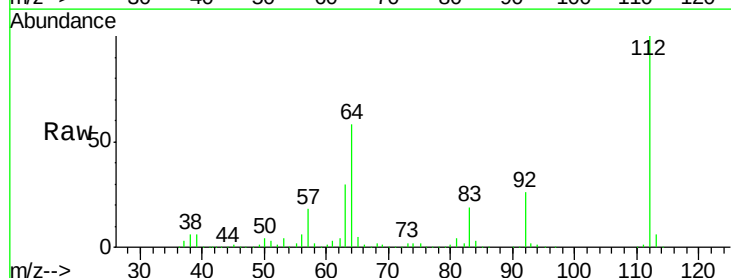
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



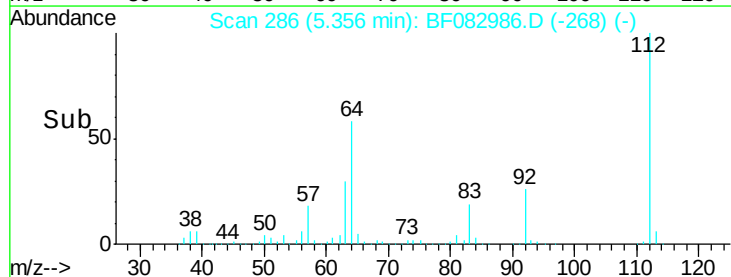
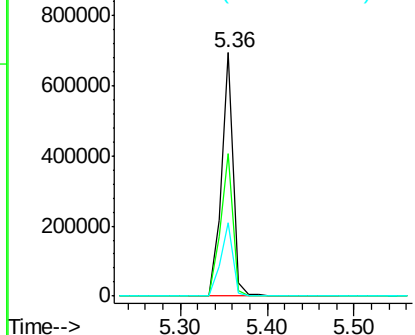
#5

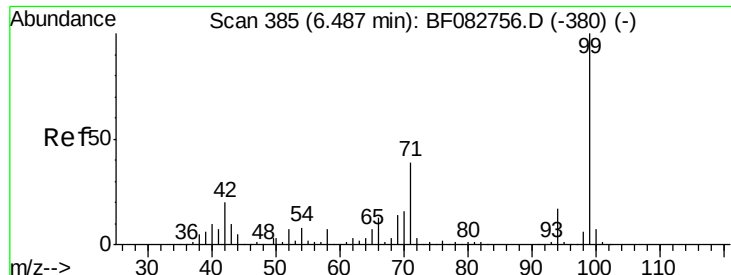
2-Fluorophenol
Concen: 63.23 ng
RT: 5.36 min Scan# 286
Delta R.T. -0.09 min
Lab File: BF082986.D
Acq: 18 Nov 2015 00:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	48.9	73.3
63	30.3	28.1	42.1



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: 36.15 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.09 min

Lab File: BF082986.D

Acq: 18 Nov 2015 00:57

Instrument :

BNA_F

ClientSampleId :

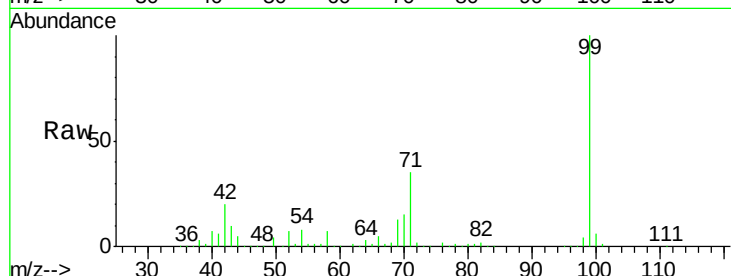
Tot Ion: 99 Resp: 500489

Ion Ratio Lower Upper

99 100

42 19.9 19.2 28.8

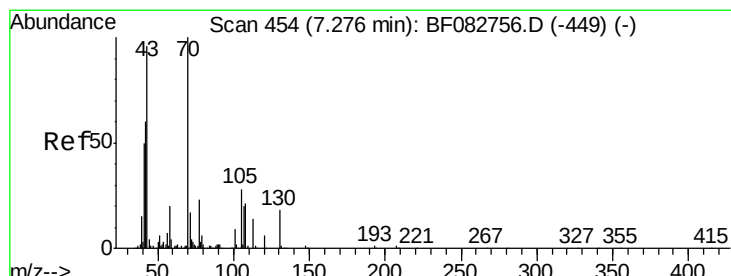
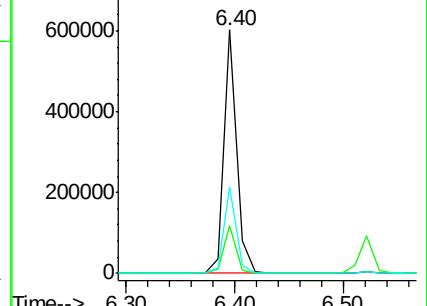
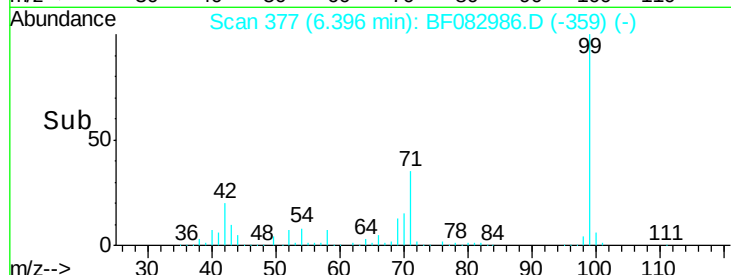
71 35.5 35.0 52.4



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: 17.23 ng

RT: 7.32 min Scan# 458

Delta R.T. 0.05 min

Lab File: BF082986.D

Acq: 18 Nov 2015 00:57

Tgt Ion: 70 Resp: 175414

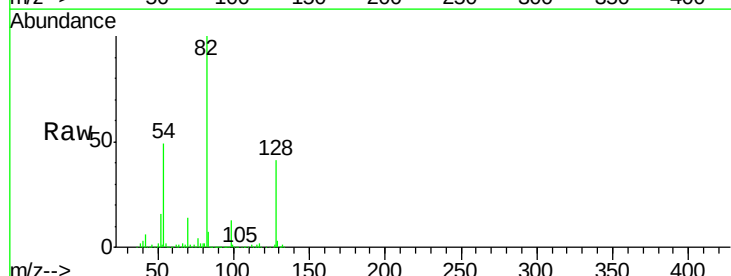
Ion Ratio Lower Upper

70 100

42 44.5 57.7 86.5#

101 0.0 7.0 10.6#

130 2.5 11.8 17.6#

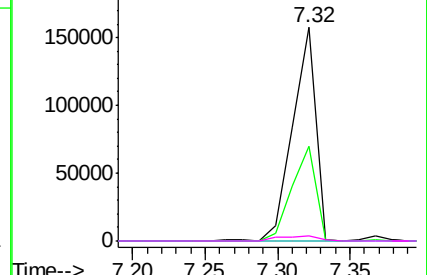
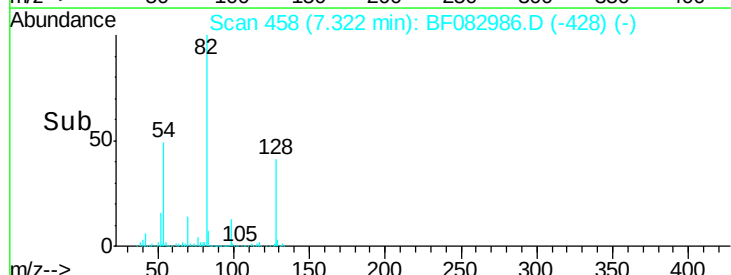


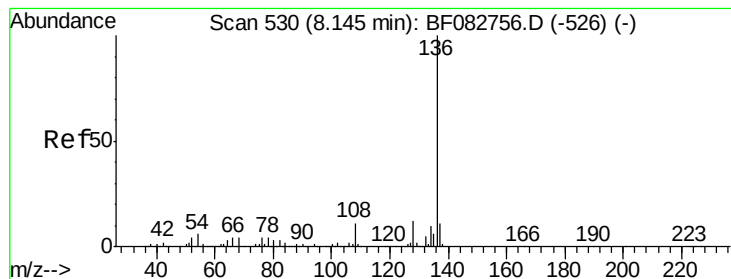
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.04 min Scan# 521

Delta R.T. -0.10 min

Lab File: BF082986.D

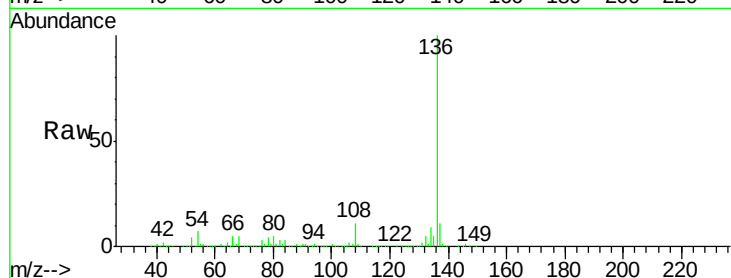
Acq: 18 Nov 2015 00:57

Instrument :

BNA_F

ClientSampled :

Tot Ion:136	Resp:	618028
Ion Ratio	Lower	Upper
136	100	
137	11.1	9.1 13.7
54	7.1	9.1 13.7#
68	5.3	4.8 7.2

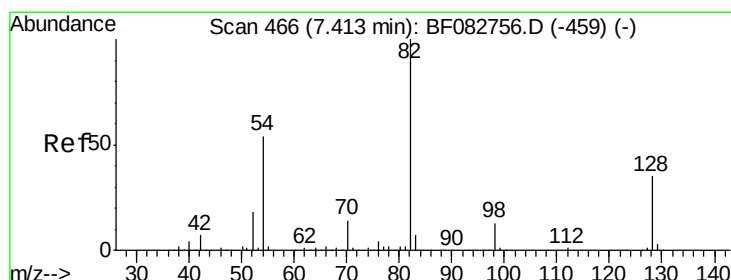
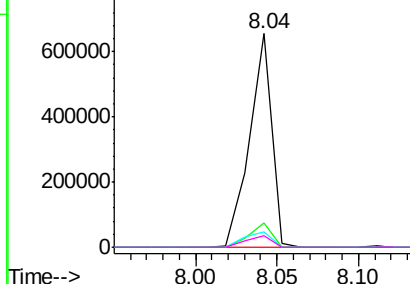
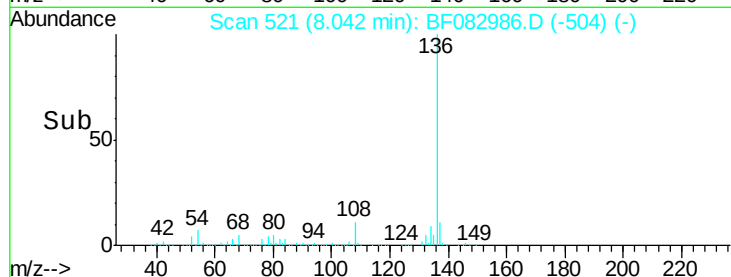


Abundance Ion 136.00 (135.70 to 136.70): E

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: 90.30 ng

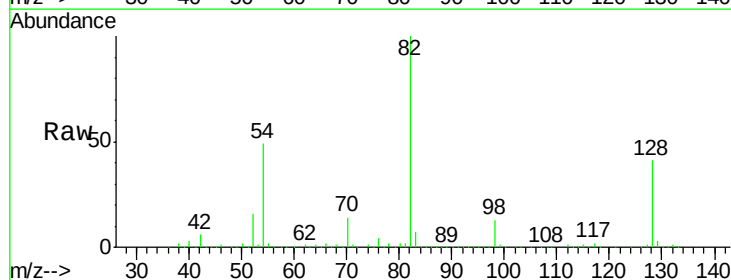
RT: 7.32 min Scan# 458

Delta R.T. -0.09 min

Lab File: BF082986.D

Acq: 18 Nov 2015 00:57

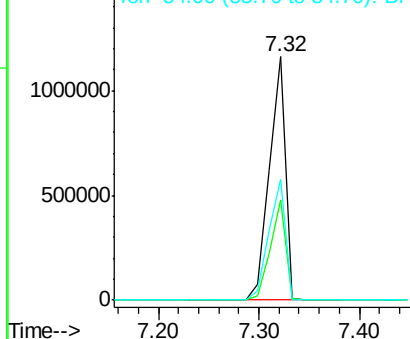
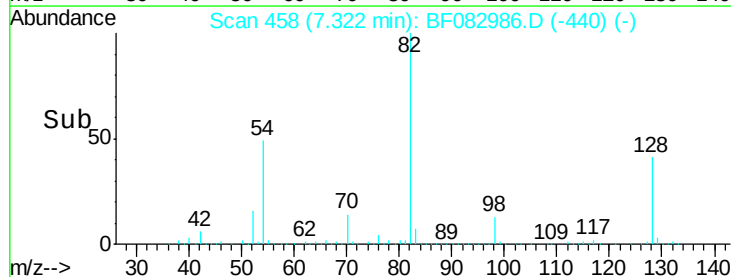
Tgt Ion: 82	Resp:	1282591
Ion Ratio	Lower	Upper
82	100	
128	41.0	26.8 40.2#
54	49.4	45.7 68.5

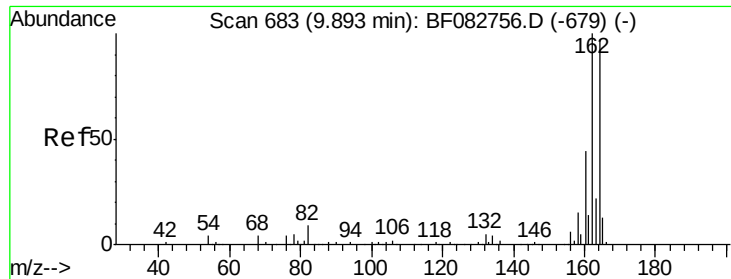


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.79 min Scan# 674

Delta R.T. -0.10 min

Lab File: BF082986.D

Acq: 18 Nov 2015 00:57

Instrument :

BNA_F

ClientSampleId :

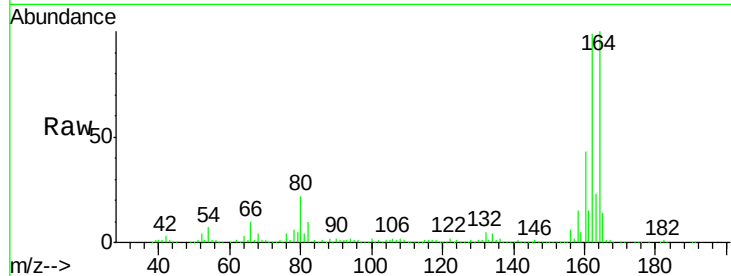
Tot Ion:164 Resp: 313934

Ion Ratio Lower Upper

164 100

162 99.4 84.9 127.3

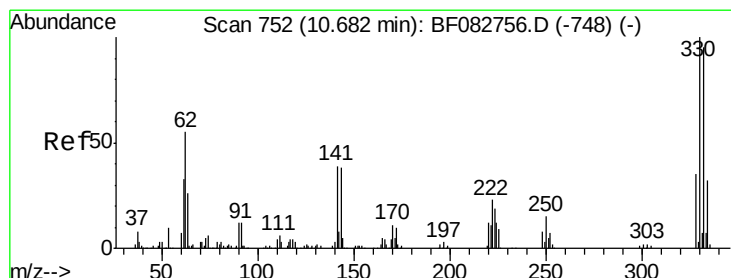
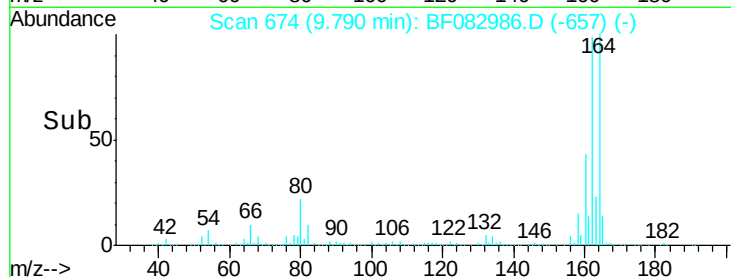
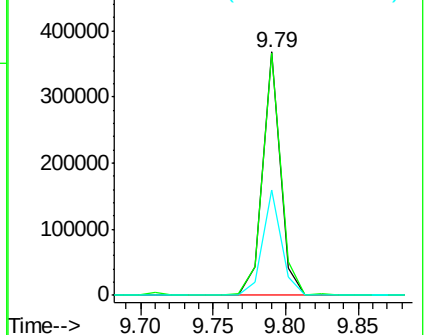
160 43.4 37.5 56.3



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: 118.07 ng

RT: 10.58 min Scan# 743

Delta R.T. -0.10 min

Lab File: BF082986.D

Acq: 18 Nov 2015 00:57

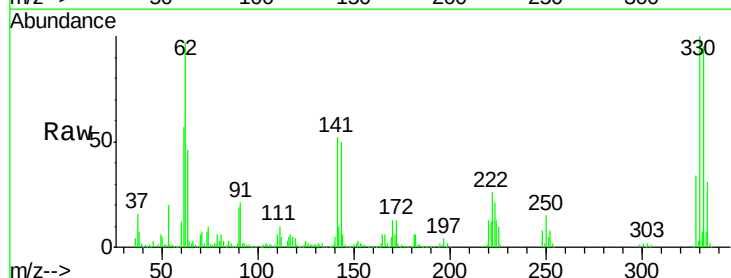
Tgt Ion:330 Resp: 424995

Ion Ratio Lower Upper

330 100

332 96.8 76.6 114.8

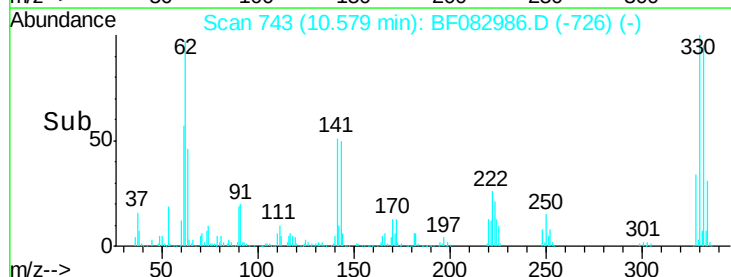
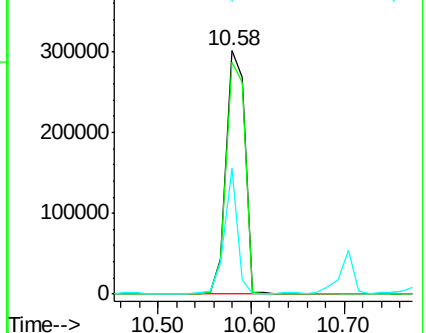
141 34.9 41.2 61.8#

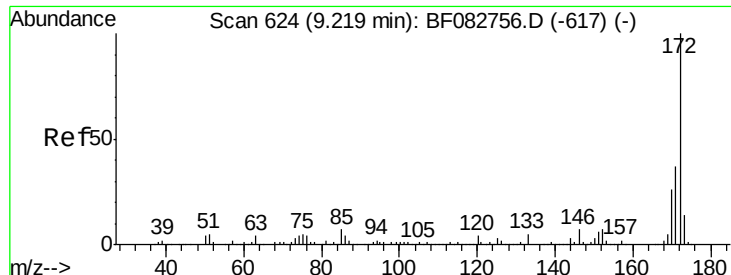


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

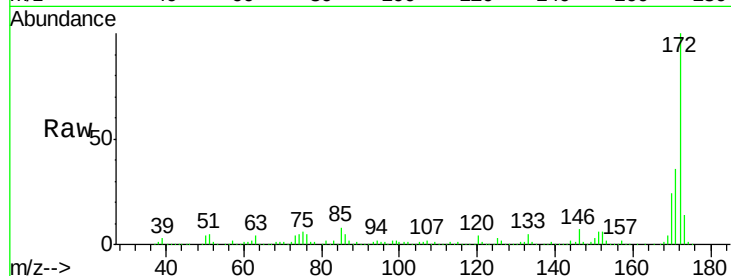




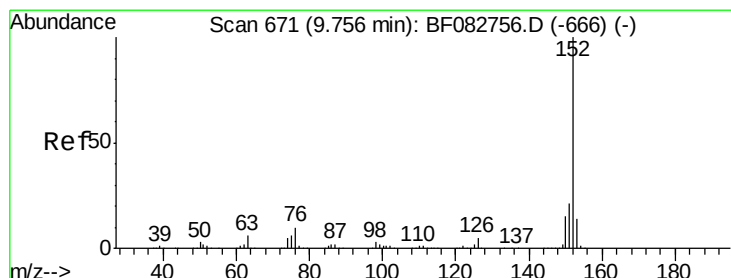
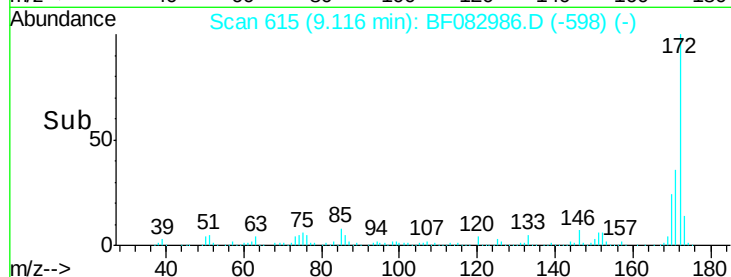
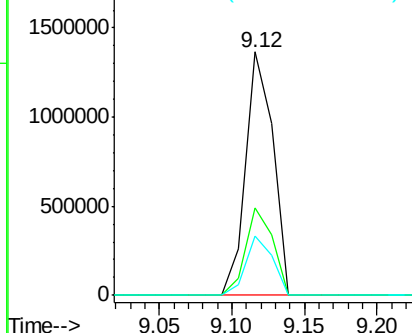
#44
2-Fluorobiphenyl
Concen: 81.59 ng
RT: 9.12 min Scan# 615
Delta R.T. -0.10 min
Lab File: BF082986.D
Acq: 18 Nov 2015 00:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1787120
Ion Ratio Lower Upper
172 100
171 36.0 30.8 46.2
170 24.5 21.2 31.8

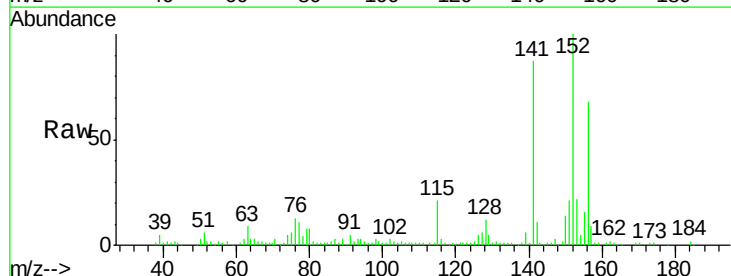


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

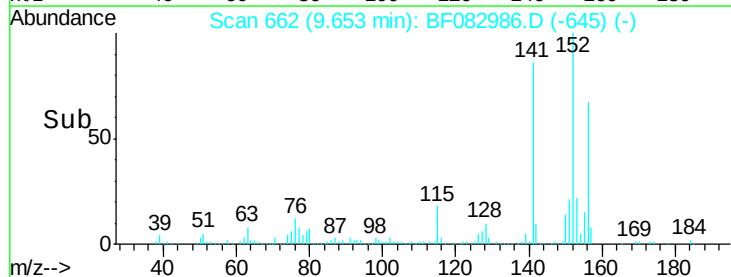
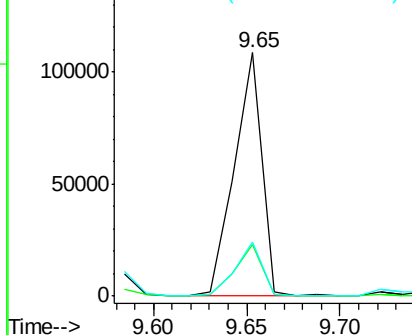


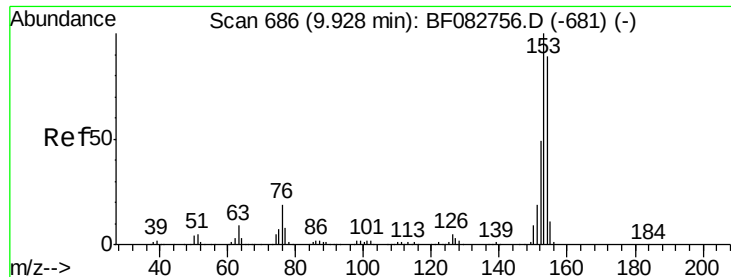
#48
Acenaphthylene
Concen: 3.42 ng
RT: 9.65 min Scan# 662
Delta R.T. -0.10 min
Lab File: BF082986.D
Acq: 18 Nov 2015 00:57

Tgt Ion:152 Resp: 112699
Ion Ratio Lower Upper
152 100
151 21.1 17.3 25.9
153 22.2 11.3 16.9#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#51

Acenaphthene

Concen: 17.05 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.10 min

Lab File: BF082986.D

Acq: 18 Nov 2015 00:57

Instrument :

BNA_F

ClientSampleId :

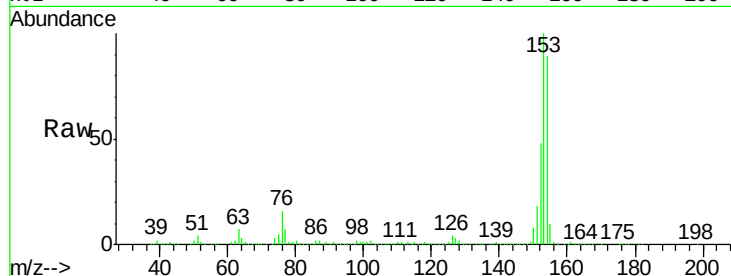
Tot Ion:154 Resp: 355872

Ion Ratio Lower Upper

154 100

153 112.6 90.1 135.1

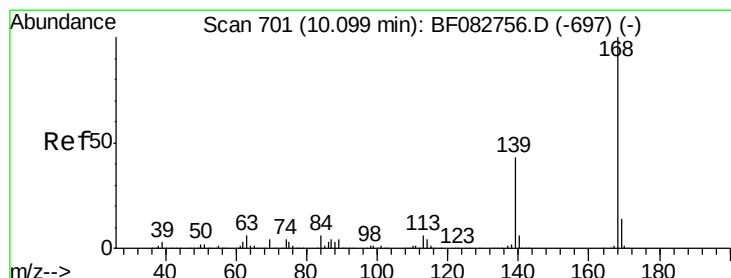
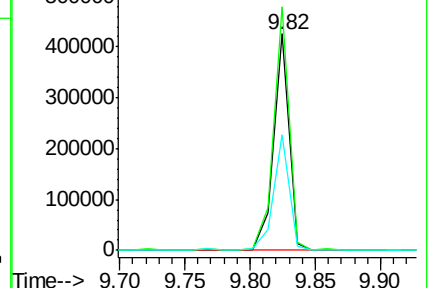
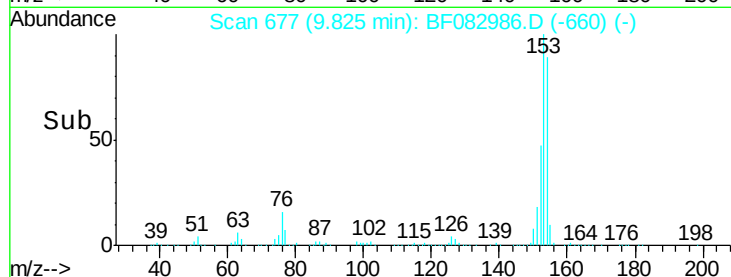
152 53.7 44.3 66.5



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



#54

Dibenzofuran

Concen: 3.37 ng

RT: 10.00 min Scan# 692

Delta R.T. -0.10 min

Lab File: BF082986.D

Acq: 18 Nov 2015 00:57

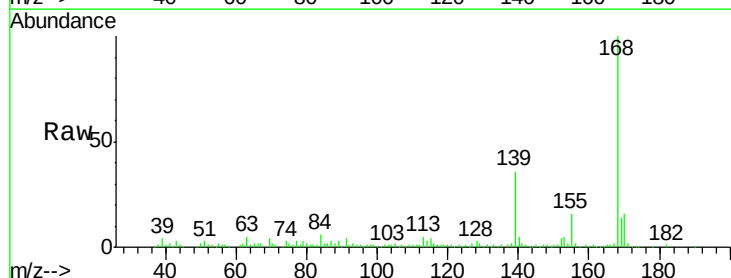
Tgt Ion:168 Resp: 94878

Ion Ratio Lower Upper

168 100

139 35.5 37.8 56.6#

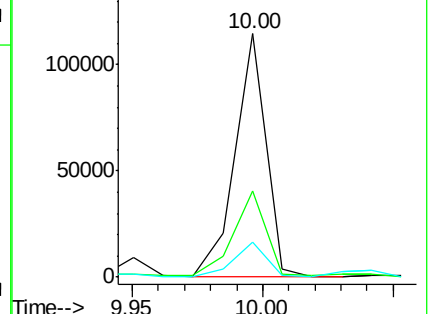
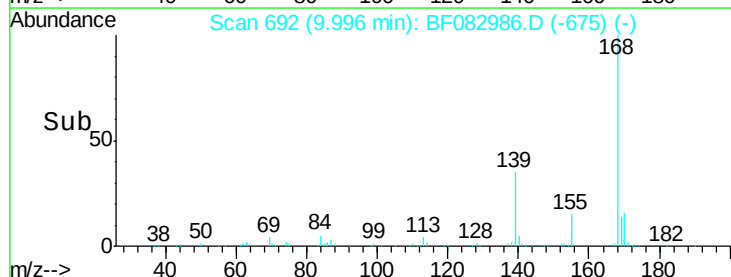
169 14.4 11.3 16.9

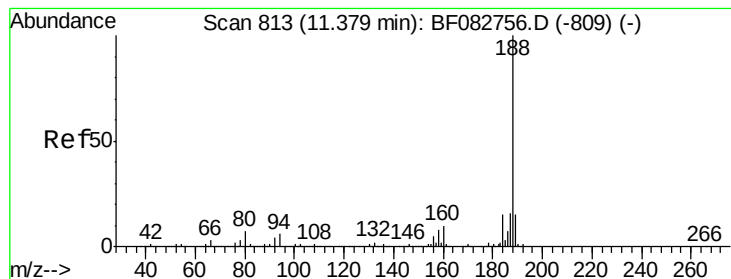


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.28 min Scan# 804

Delta R.T. -0.10 min

Lab File: BF082986.D

Acq: 18 Nov 2015 00:57

Instrument :

BNA_F

ClientSampleId :

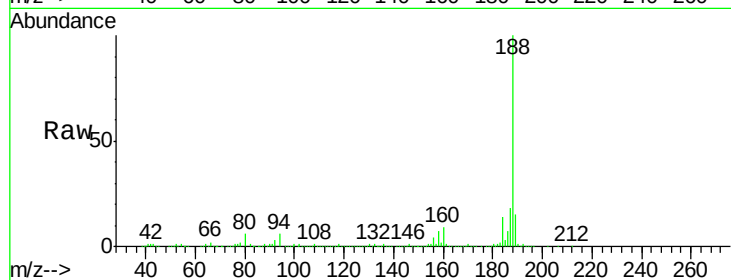
Tot Ion:188 Resp: 559258

Ion Ratio Lower Upper

188 100

94 6.3 6.1 9.1

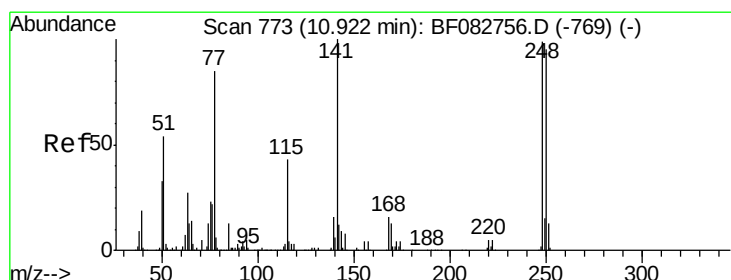
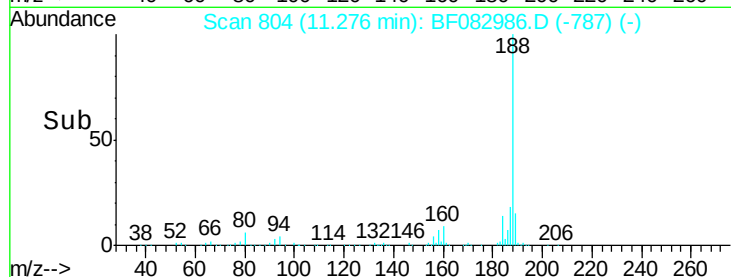
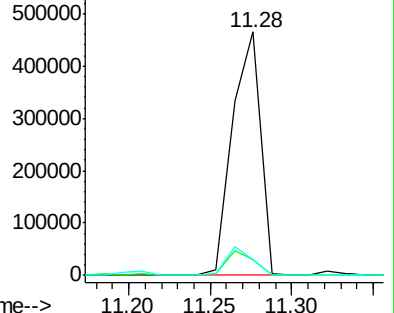
80 6.3 7.0 10.6#



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: 4.07 ng

RT: 10.58 min Scan# 743

Delta R.T. -0.34 min

Lab File: BF082986.D

Acq: 18 Nov 2015 00:57

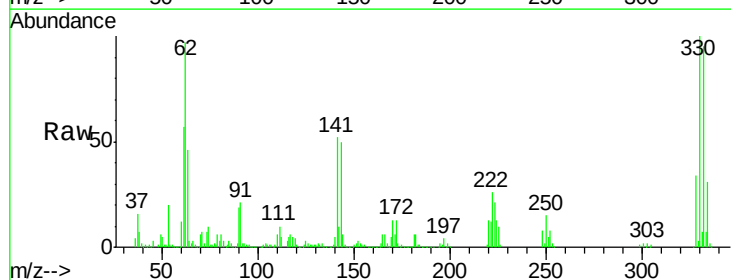
Tgt Ion:248 Resp: 27419

Ion Ratio Lower Upper

248 100

250 191.0 79.4 119.2#

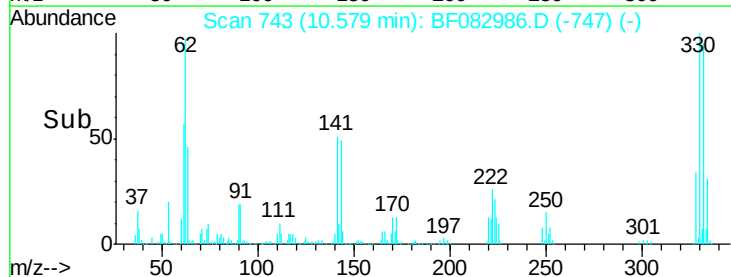
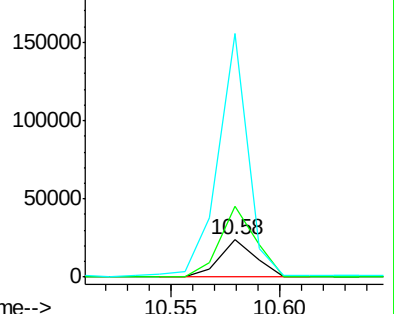
141 652.2 36.3 54.5#

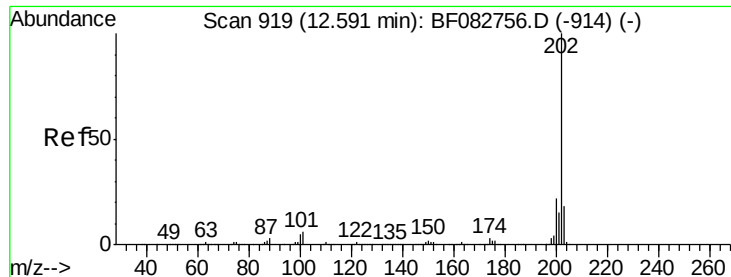


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Fluoranthene

Concen: 5.66 ng

RT: 12.48 min Scan# 909

Delta R.T. -0.11 min

Lab File: BF082986.D

Acq: 18 Nov 2015 00:57

Instrument :

BNA_F

ClientSampleId :

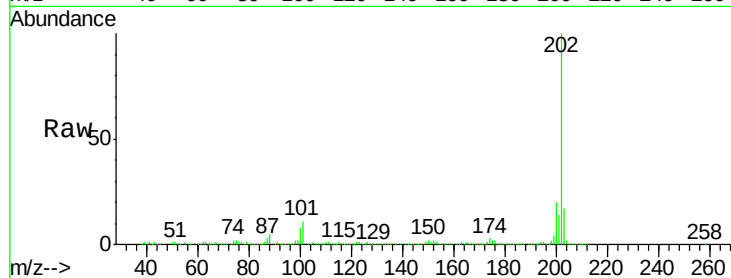
Tot Ion:202 Resp: 197296

Ion Ratio Lower Upper

202 100

101 10.6 0.0 30.5

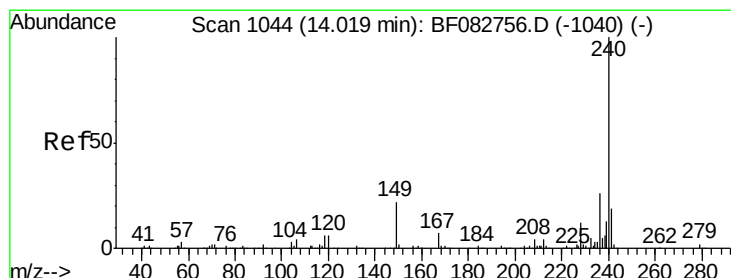
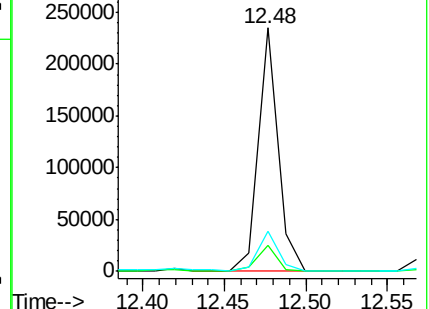
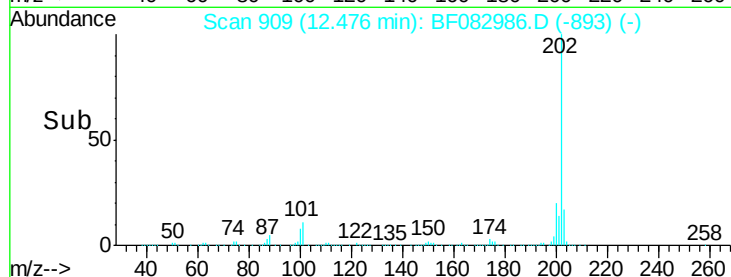
203 16.7 0.0 38.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.11 min

Lab File: BF082986.D

Acq: 18 Nov 2015 00:57

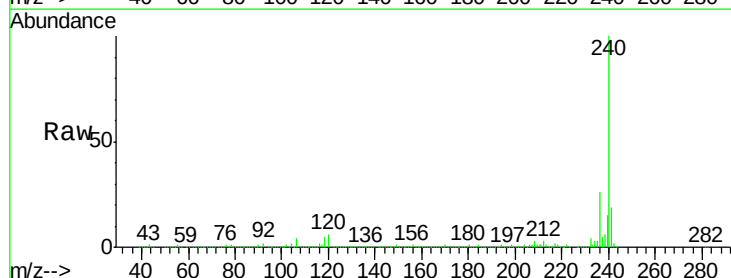
Tgt Ion:240 Resp: 558780

Ion Ratio Lower Upper

240 100

120 6.0 10.9 16.3#

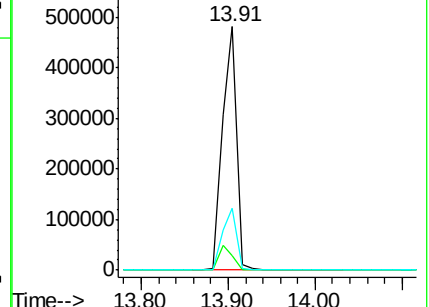
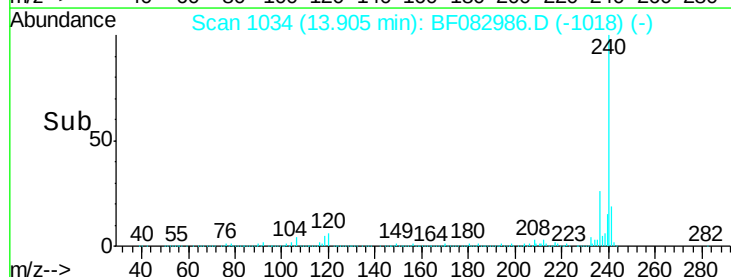
236 25.6 21.6 32.4

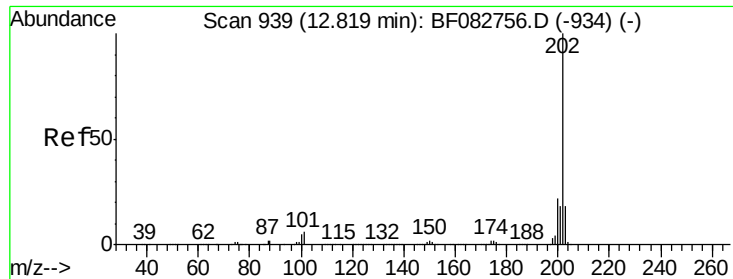


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 6.21 ng

RT: 12.70 min Scan# 929

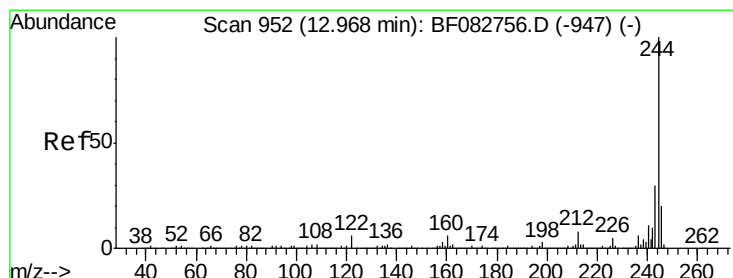
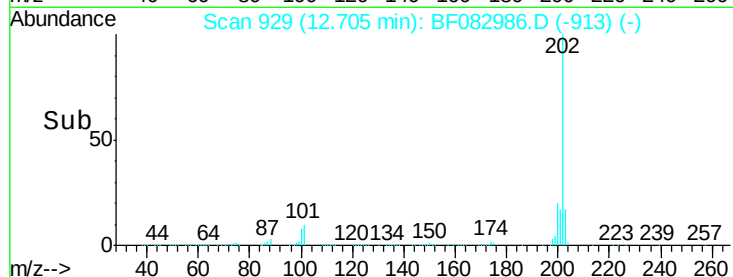
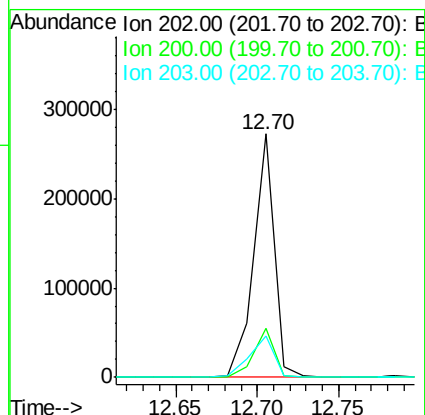
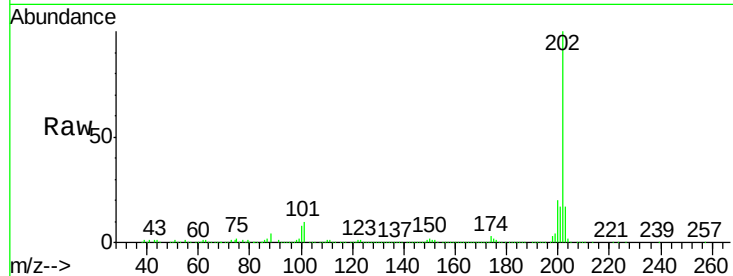
Delta R.T. -0.11 min

Lab File: BF082986.D

Acq: 18 Nov 2015 00:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	202	Resp:	238243
Ion	Ratio	Lower	Upper
202	100		
200	20.2	18.7	28.1
203	17.0	14.8	22.2



#78

Terphenyl-d14

Concen: 80.93 ng

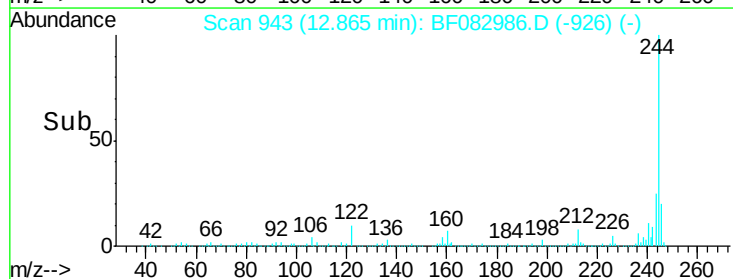
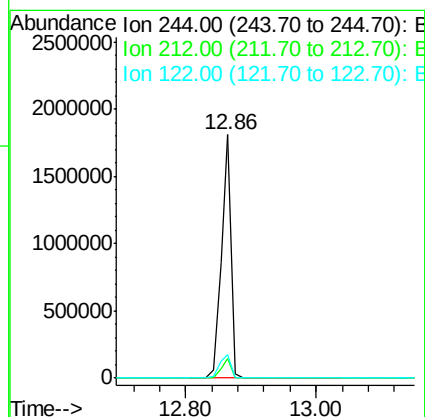
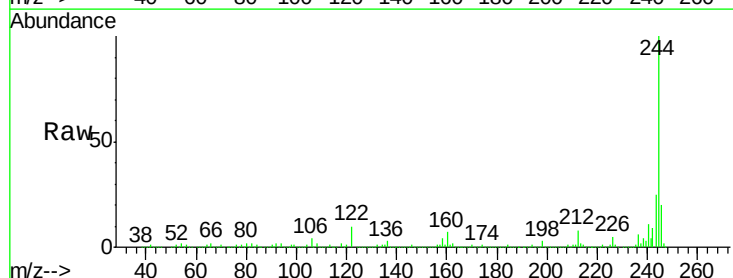
RT: 12.86 min Scan# 943

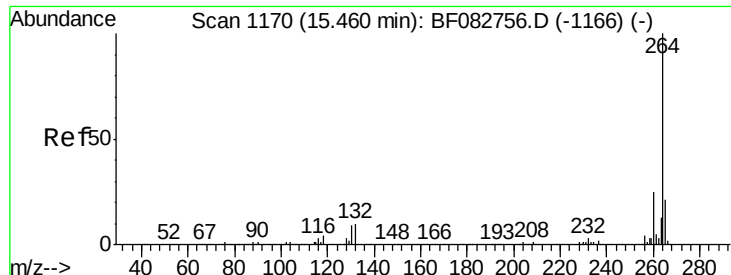
Delta R.T. -0.10 min

Lab File: BF082986.D

Acq: 18 Nov 2015 00:57

Tgt Ion:	244	Resp:	1906593
Ion	Ratio	Lower	Upper
244	100		
212	8.0	7.6	11.4
122	9.8	11.3	16.9#

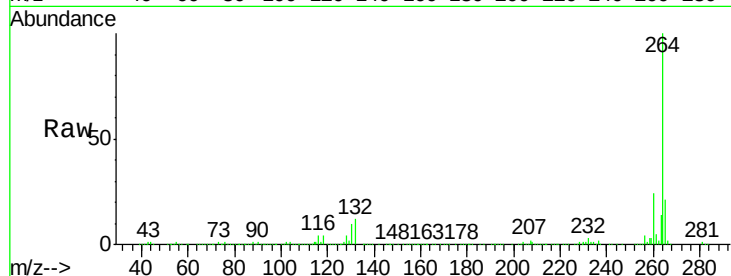




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.16 min
Lab File: BF082986.D
Acq: 18 Nov 2015 00:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.8	29.6
265	21.3	17.4	26.0



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

