

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061216\
 Data File : BF087959.D
 Acq On : 12 Jun 2016 20:31
 Operator : UM/SJ
 Sample : H3467-04
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HF-20-WC-1

Quant Time: Jun 13 05:01:14 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 02:17:28 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	105964	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	434284	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	209166	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	396512	20.00	ng	0.00
75) Chrysene-d12	13.95	240	296421	20.00	ng	-0.01
86) Perylene-d12	15.36	264	212606	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	699148	112.80	ng	0.01
7) Phenol-d6	6.44	99	962881	128.18	ng	0.00
23) Nitrobenzene-d5	7.37	82	670223	90.12	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	240388	108.84	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	1100404	82.48	ng	-0.01
78) Terphenyl-d14	12.91	244	1021257	78.40	ng	-0.01

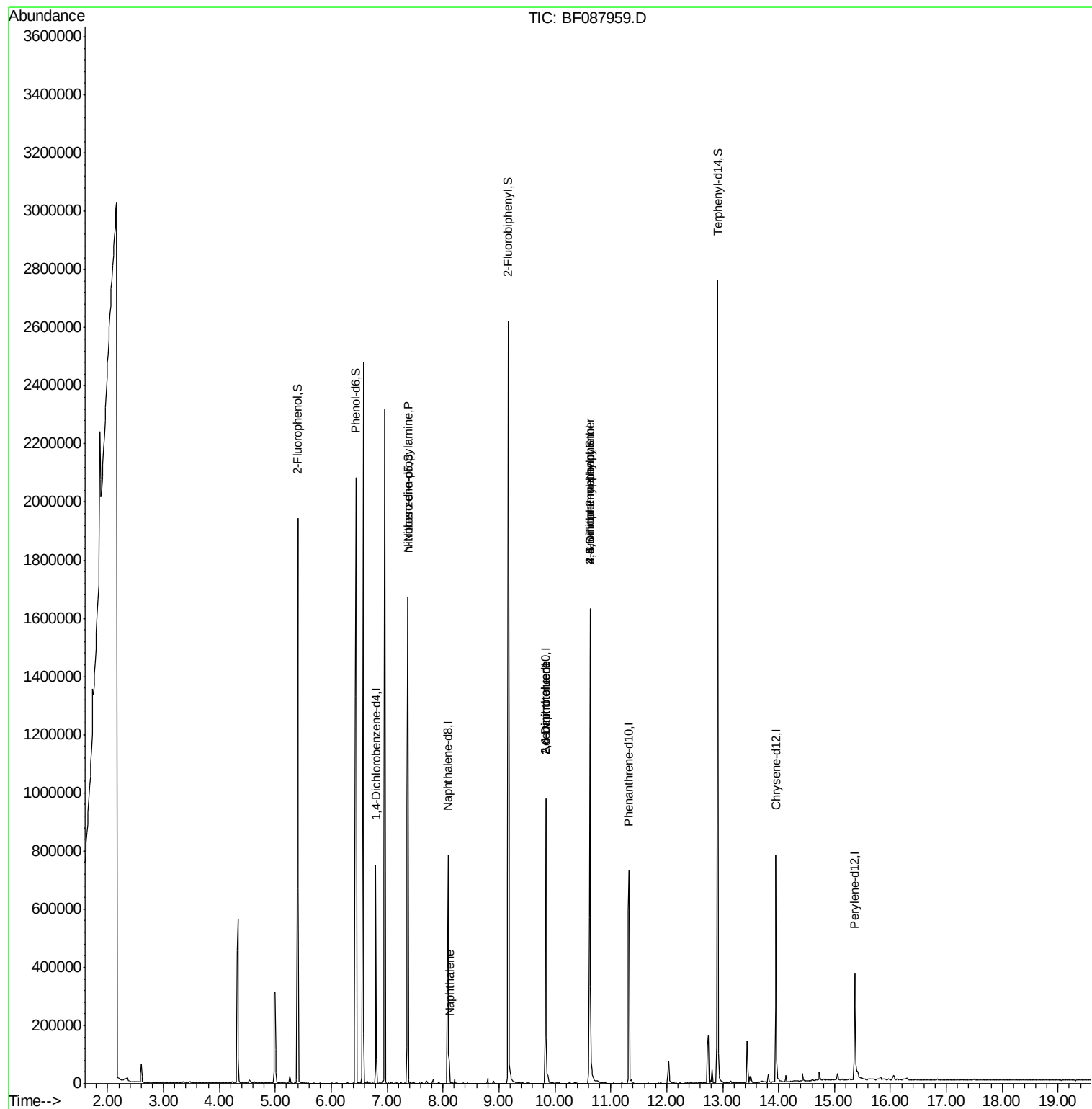
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.57	94	1318	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	87684	18.25	ng	71
31) Naphthalene	8.11	128	62191	2.89	ng	97
45) 1,1'-Biphenyl	9.27	154	772	Below Cal		89
50) 2,6-Dinitrotoluene	9.84	165	26179	7.54	ng	40
56) 2,4-Dinitrotoluene	9.84	165	26181	5.87	ng	38
57) Fluorene	10.39	166	1671	Below Cal	#	95
64) 4,6-Dinitro-2-methylphenol	10.63	198	387	2.31	ng	1
66) 4-Bromophenyl-phenylether	10.63	248	15605	3.67	ng	1

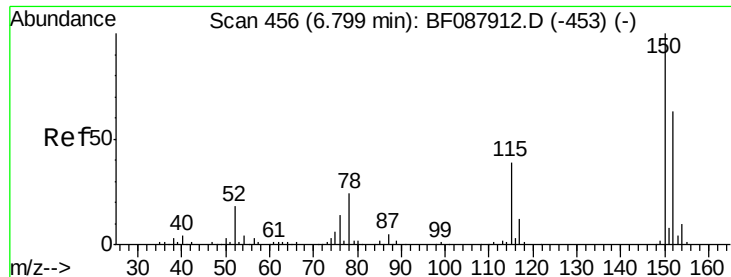
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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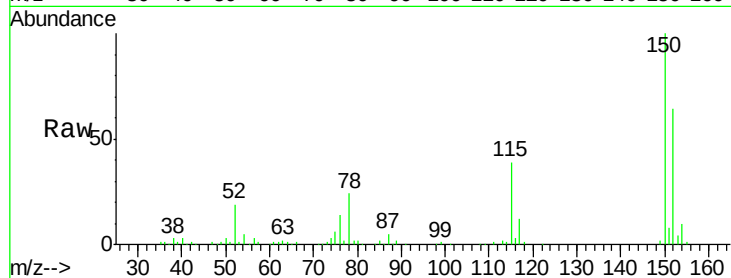


#1

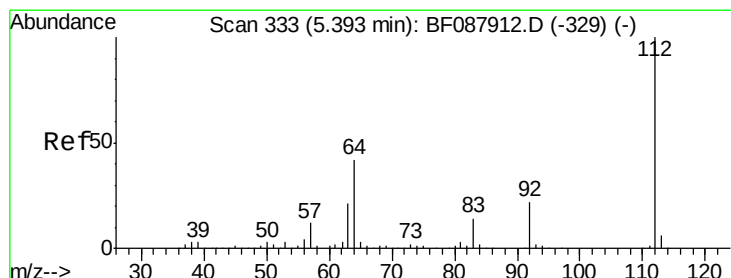
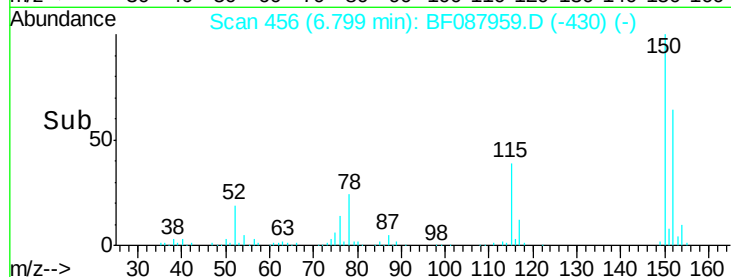
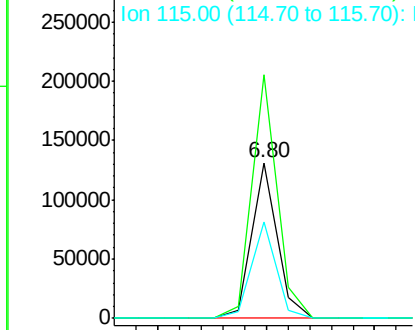
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 456
 Delta R.T. 0.00 min
 Lab File: BF087959.D
 Acq: 12 Jun 2016 20:31

Instrument :
 BNA_F
 ClientSampleId :
 HF-20-WC-1

Tgt Ion:152 Resp: 105964
 Ion Ratio Lower Upper
 152 100
 150 156.8 123.8 185.6
 115 61.8 39.6 59.4#



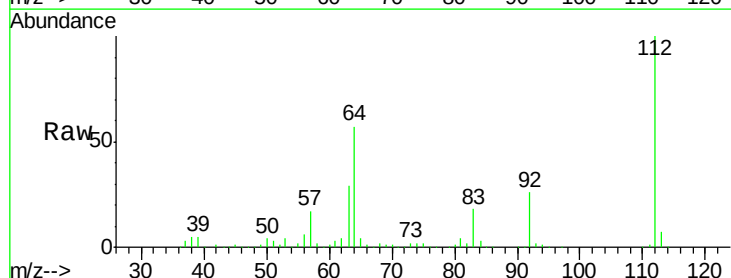
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



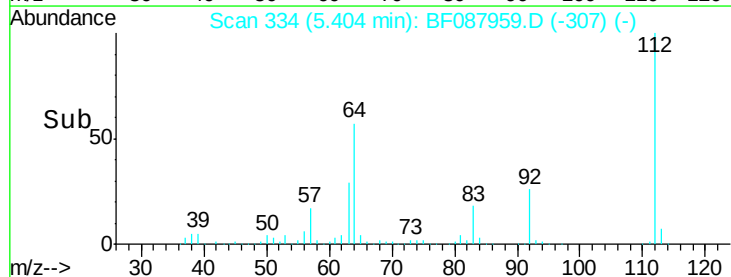
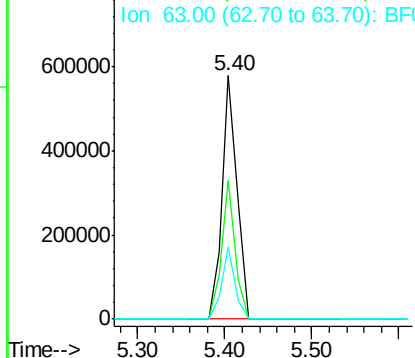
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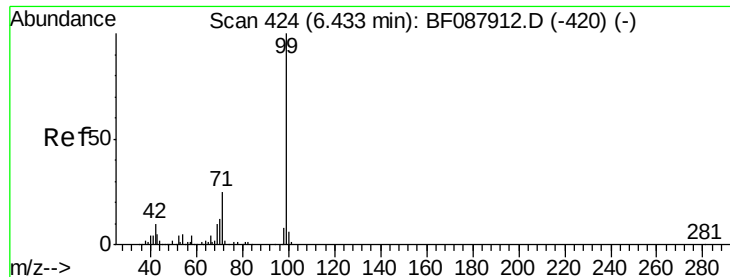
2-Fluorophenol
 Concen: 112.80 ng
 RT: 5.40 min Scan# 334
 Delta R.T. 0.01 min
 Lab File: BF087959.D
 Acq: 12 Jun 2016 20:31

Tgt Ion:112 Resp: 699148
 Ion Ratio Lower Upper
 112 100
 64 56.9 42.2 63.2
 63 29.4 21.8 32.8



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: 128.18 ng

RT: 6.44 min Scan# 425

Delta R.T. 0.00 min

Lab File: BF087959.D

Acq: 12 Jun 2016 20:31

Instrument :

BNA_F

ClientSampleId :

HF-20-WC-1

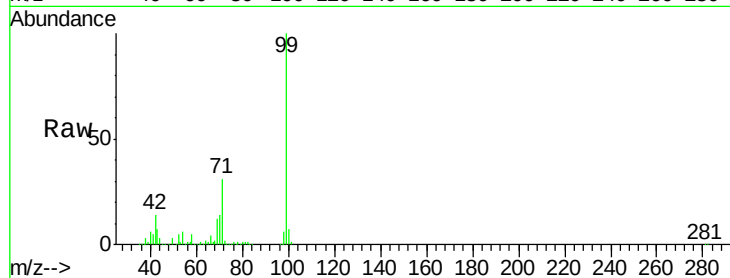
Tgt Ion: 99 Resp: 962881

Ion Ratio Lower Upper

99 100

42 14.3 12.2 18.2

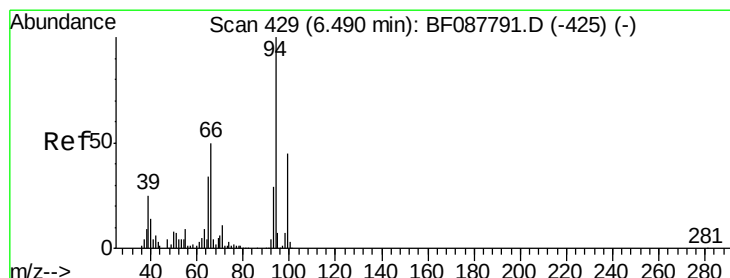
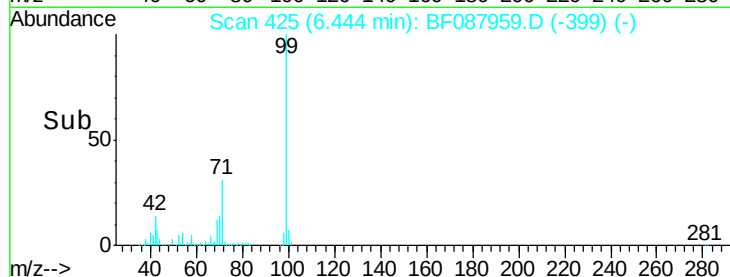
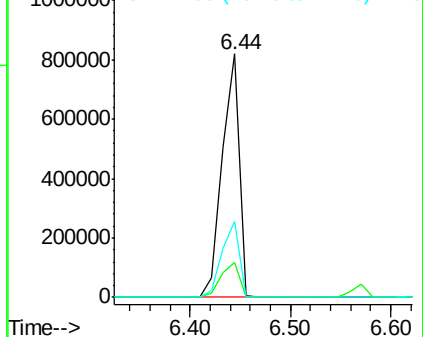
71 31.4 23.4 35.0



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



#10

Phenol

Concen: Below Cal

RT: 6.57 min Scan# 436

Delta R.T. 0.11 min

Lab File: BF087959.D

Acq: 12 Jun 2016 20:31

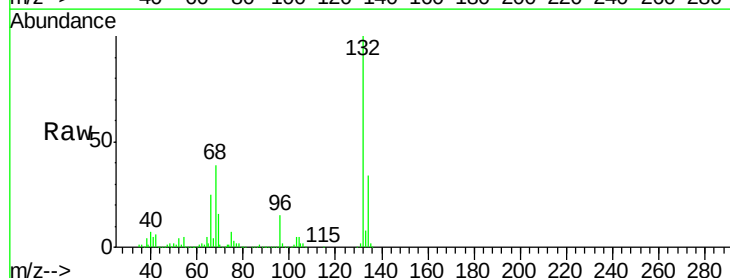
Tgt Ion: 94 Resp: 1318

Ion Ratio Lower Upper

94 100

65 1088.5 5.9 45.9#

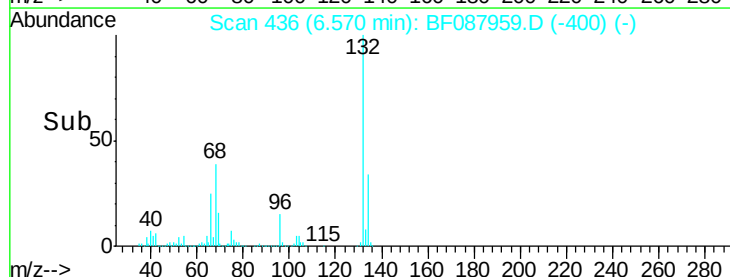
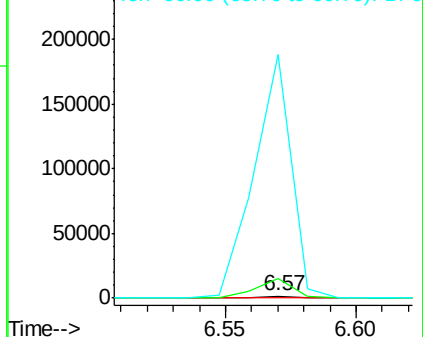
66 13449.1 14.0 54.0#

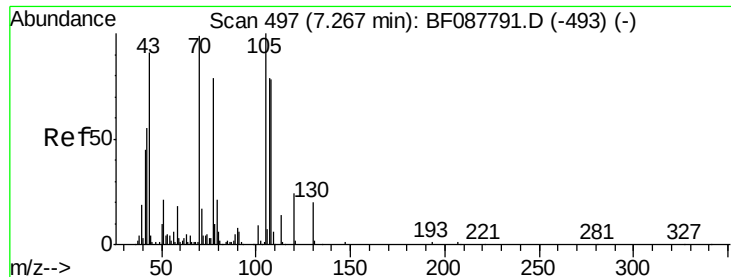


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

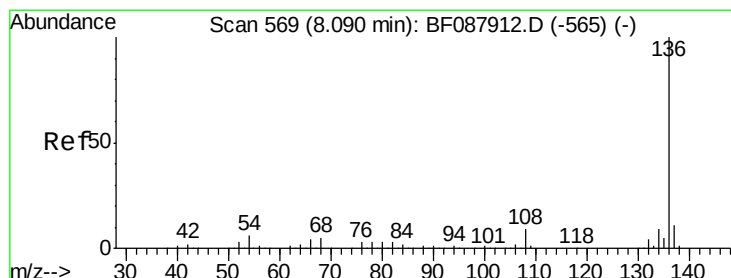
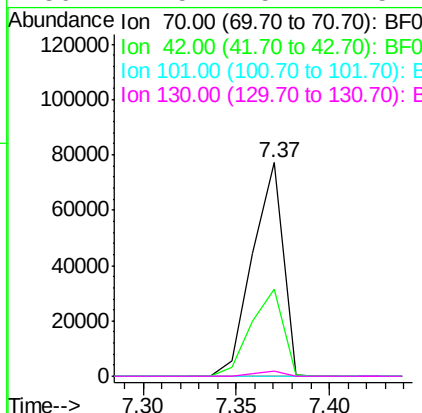
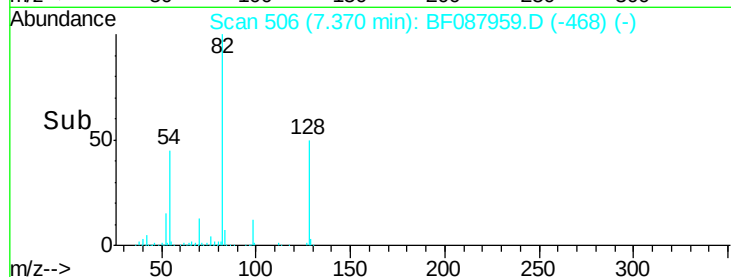
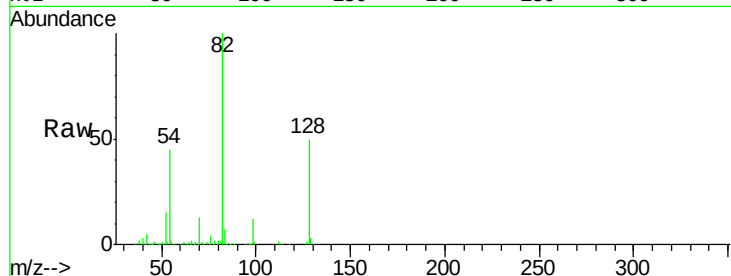




#19
n-Nitroso-di-n-propylamine
Concen: 18.25 ng
RT: 7.37 min Scan# 506
Delta R.T. 0.14 min
Lab File: BF087959.D
Acq: 12 Jun 2016 20:31

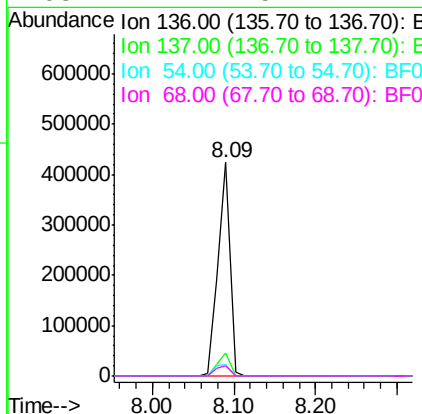
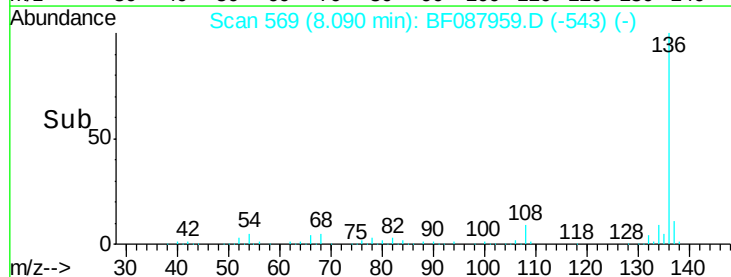
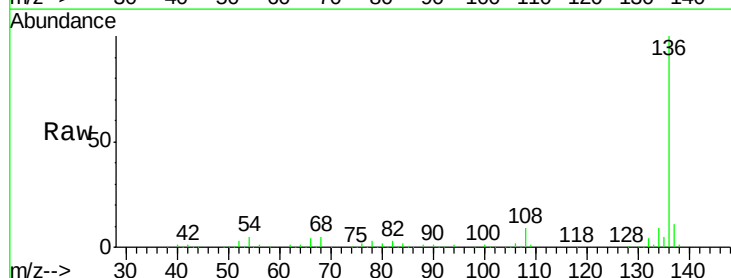
Instrument :
BNA_F
ClientSampleId :
HF-20-WC-1

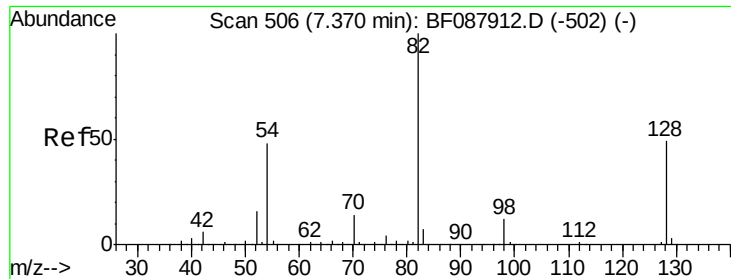
Tgt Ion: 70 Resp: 87684
Ion Ratio Lower Upper
70 100
42 40.6 49.6 74.4#
101 0.0 7.1 10.7#
130 2.5 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 569
Delta R.T. 0.00 min
Lab File: BF087959.D
Acq: 12 Jun 2016 20:31

Tgt Ion: 136 Resp: 434284
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 5.5 6.6 10.0#
68 4.7 5.1 7.7#

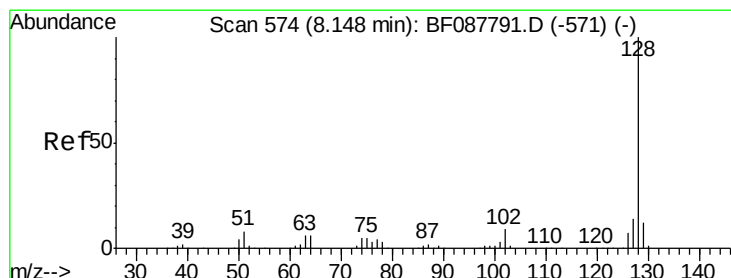
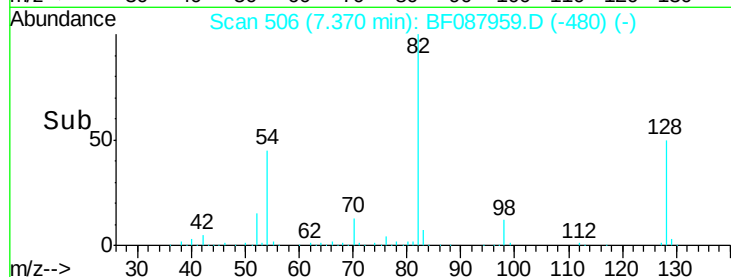
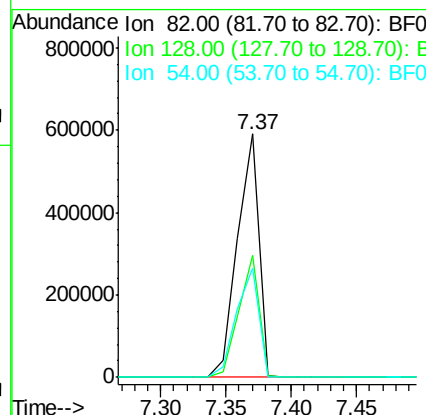
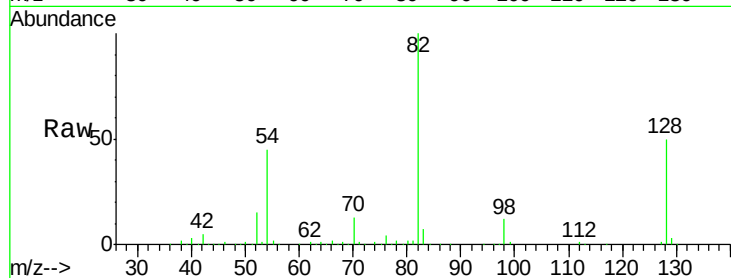




#23
 Nitrobenzene-d5
 Concen: 90.12 ng
 RT: 7.37 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: BF087959.D
 Acq: 12 Jun 2016 20:31

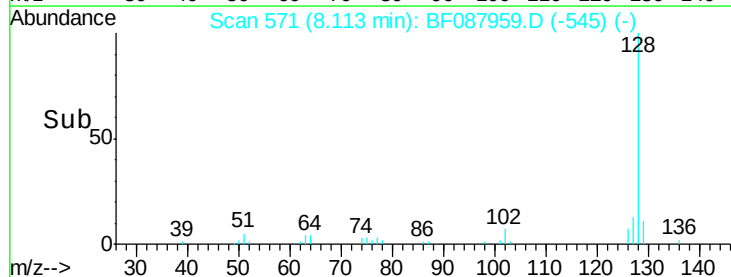
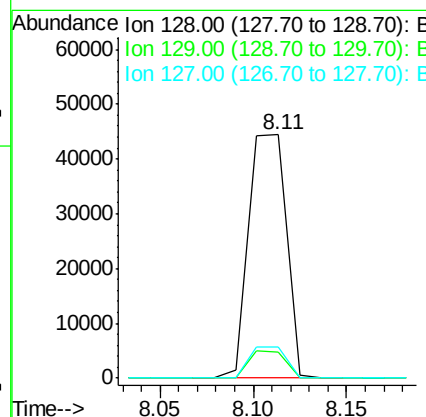
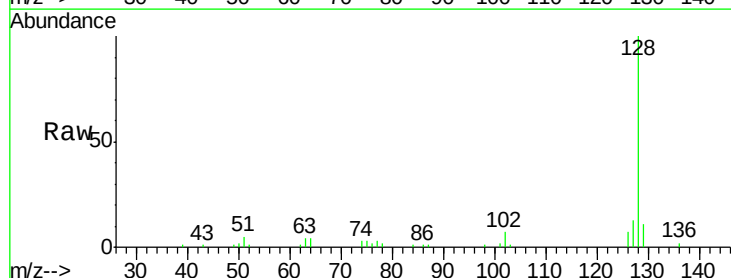
Instrument :
 BNA_F
 ClientSampleId :
 HF-20-WC-1

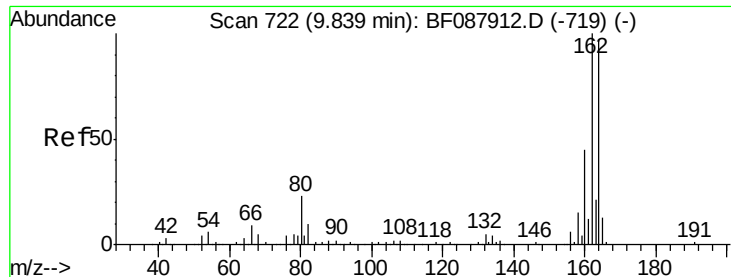
Tgt Ion: 82 Resp: 670223
 Ion Ratio Lower Upper
 82 100
 128 49.9 35.9 53.9
 54 44.9 40.9 61.3



#31
 Naphthalene
 Concen: 2.89 ng
 RT: 8.11 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: BF087959.D
 Acq: 12 Jun 2016 20:31

Tgt Ion: 128 Resp: 62191
 Ion Ratio Lower Upper
 128 100
 129 10.5 9.4 14.2
 127 12.8 10.9 16.3

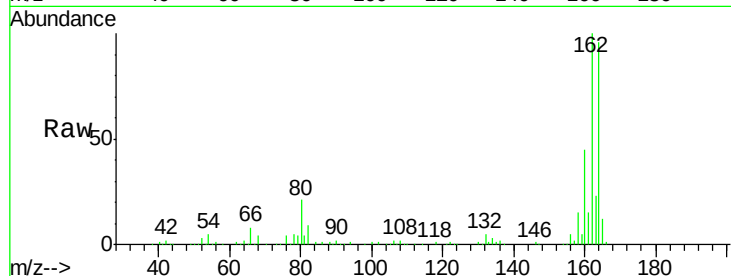




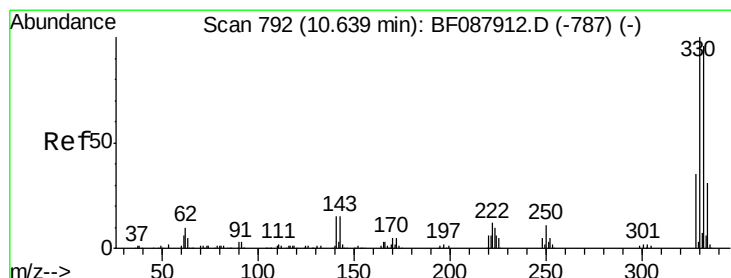
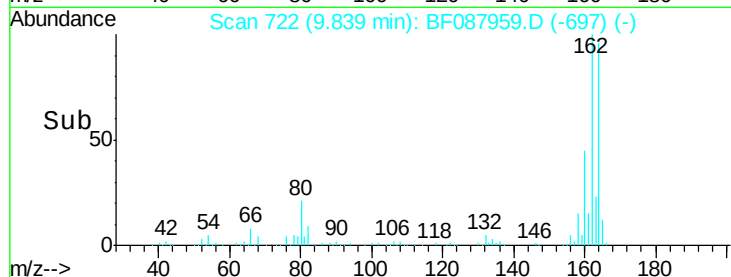
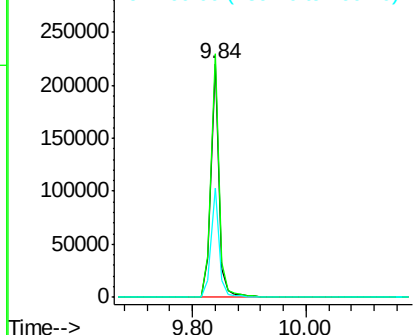
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.01 min
Lab File: BF087959.D
Acq: 12 Jun 2016 20:31

Instrument :
BNA_F
ClientSampleId :
HF-20-WC-1

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.2	85.4	128.2
160	46.7	39.5	59.3

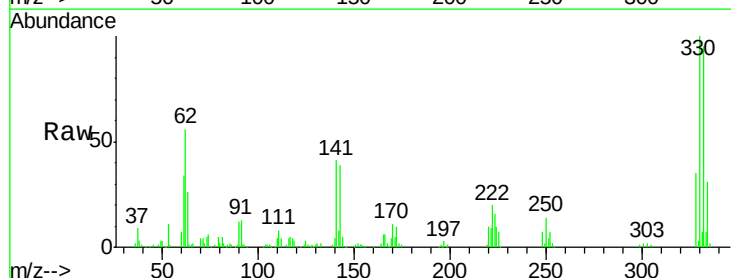


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

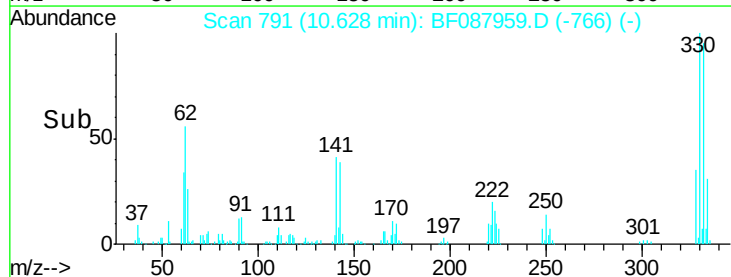
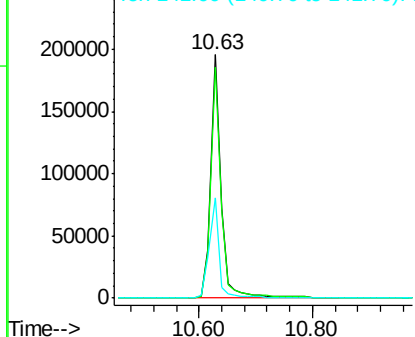


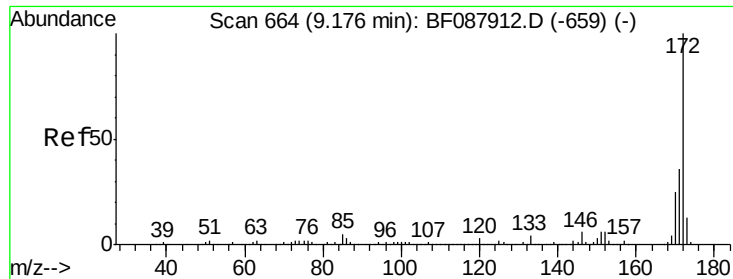
#41
2,4,6-Tribromophenol
Concen: 108.84 ng
RT: 10.63 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF087959.D
Acq: 12 Jun 2016 20:31

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	0.0	0.0#
141	39.9	0.0	0.0#



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

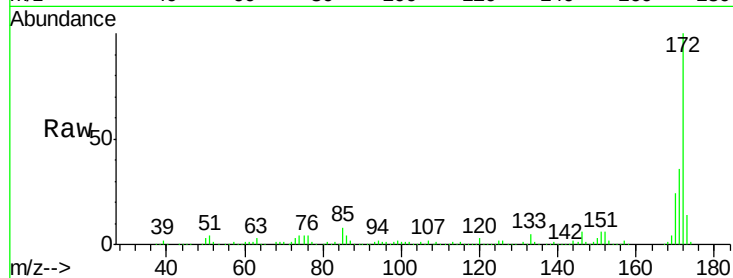




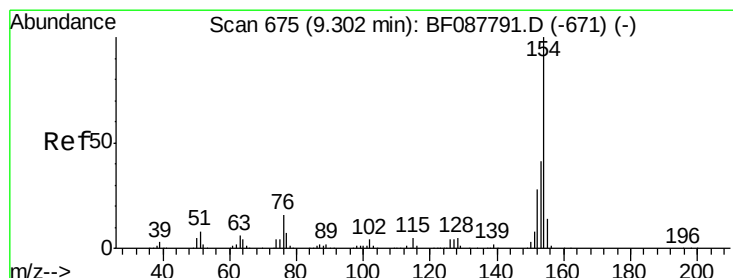
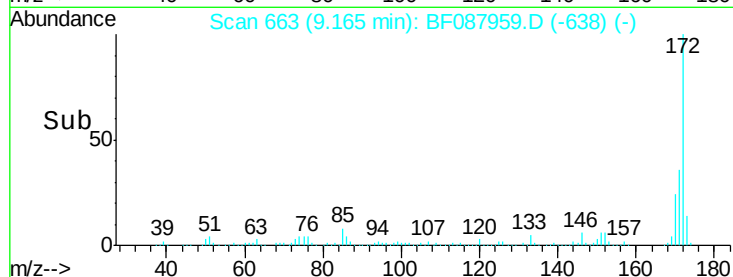
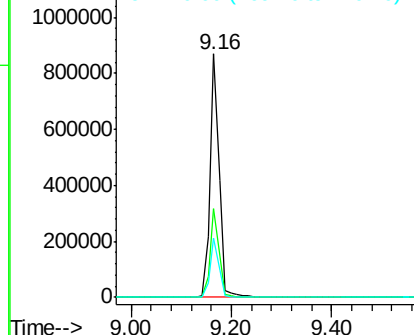
#44
 2-Fluorobiphenyl
 Concen: 82.48 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.01 min
 Lab File: BF087959.D
 Acq: 12 Jun 2016 20:31

Instrument :
 BNA_F
 ClientSampleId :
 HF-20-WC-1

Tgt Ion:172 Resp: 1100404
 Ion Ratio Lower Upper
 172 100
 171 36.3 28.6 43.0
 170 24.1 19.2 28.8

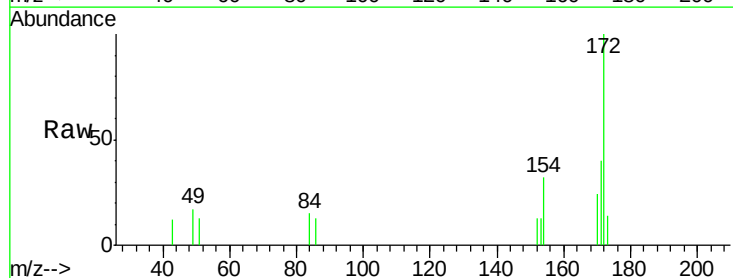


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

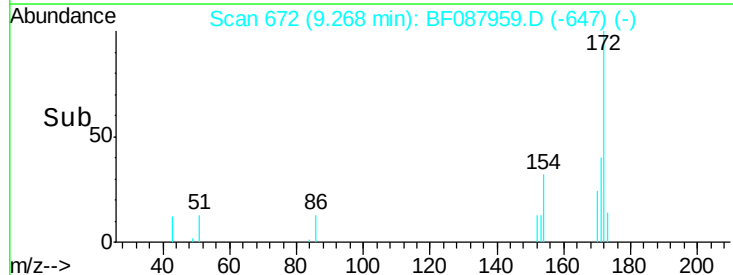
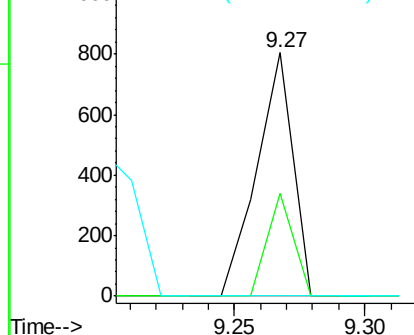


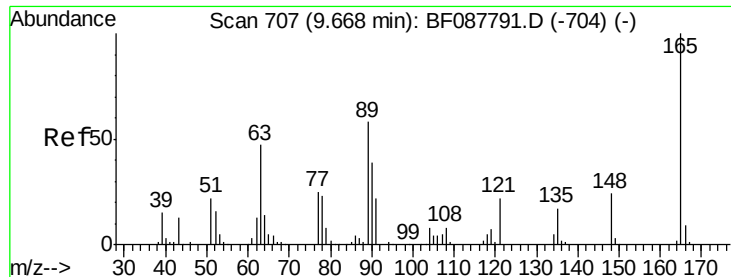
#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.27 min Scan# 672
 Delta R.T. -0.01 min
 Lab File: BF087959.D
 Acq: 12 Jun 2016 20:31

Tgt Ion:154 Resp: 772
 Ion Ratio Lower Upper
 154 100
 153 42.0 20.6 60.6
 76 0.0 0.0 35.1



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

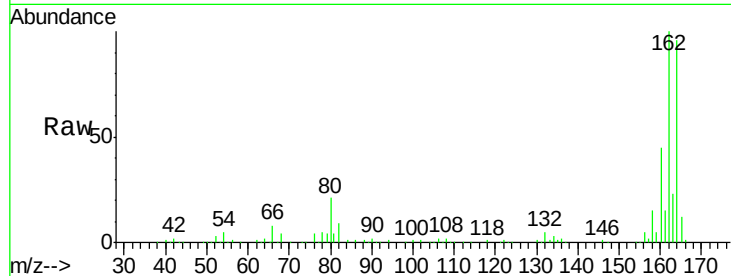




#50
 2,6-Dinitrotoluene
 Concen: 7.54 ng
 RT: 9.84 min Scan# 722
 Delta R.T. 0.19 min
 Lab File: BF087959.D
 Acq: 12 Jun 2016 20:31

Instrument :
 BNA_F
 ClientSampleId :
 HF-20-WC-1

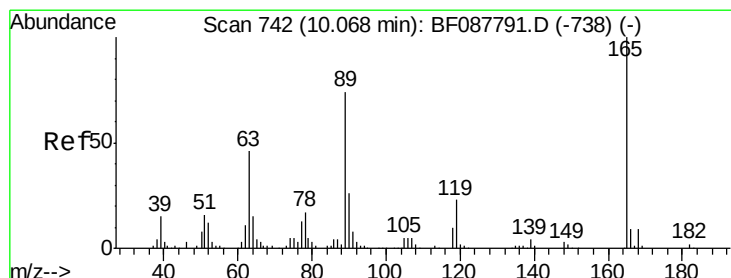
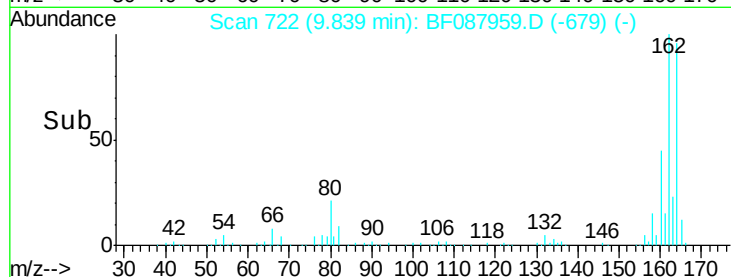
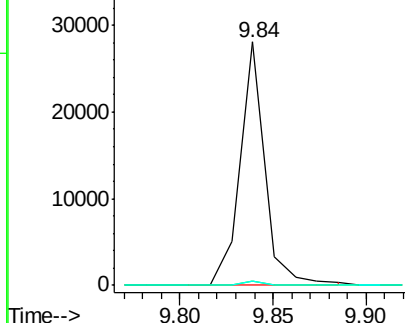
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	28.1	42.1#
89	1.7	32.2	48.2#



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



#56
 2,4-Dinitrotoluene
 Concen: 5.87 ng
 RT: 9.84 min Scan# 722
 Delta R.T. -0.21 min
 Lab File: BF087959.D
 Acq: 12 Jun 2016 20:31

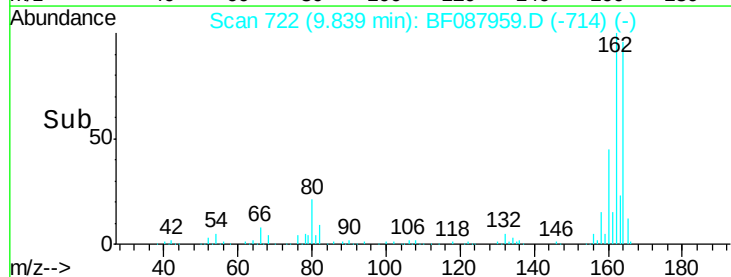
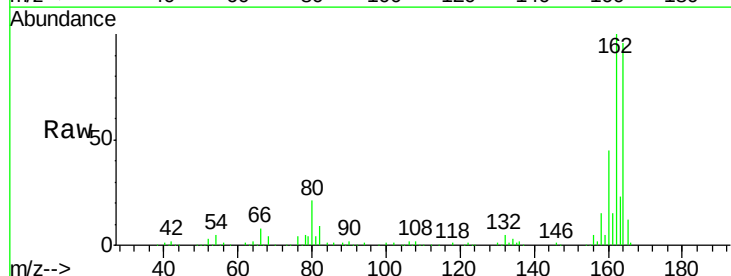
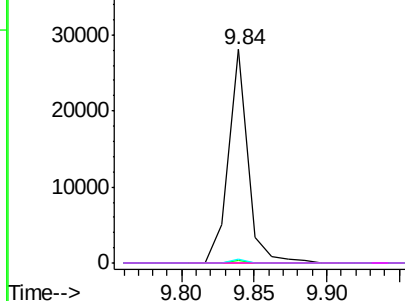
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	22.0	33.0#
89	1.7	41.1	61.7#
182	0.0	2.0	3.0#

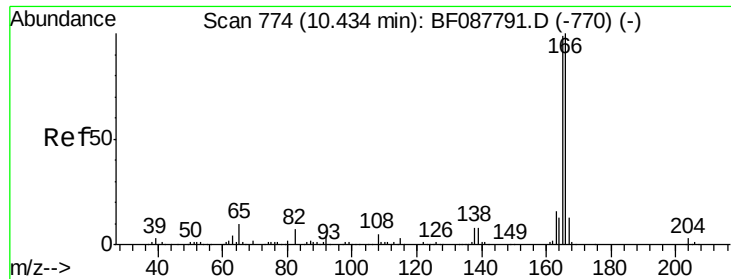
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: Below Cal

RT: 10.39 min Scan# 770

Delta R.T. -0.01 min

Lab File: BF087959.D

Acq: 12 Jun 2016 20:31

Instrument :

BNA_F

ClientSampleId :

HF-20-WC-1

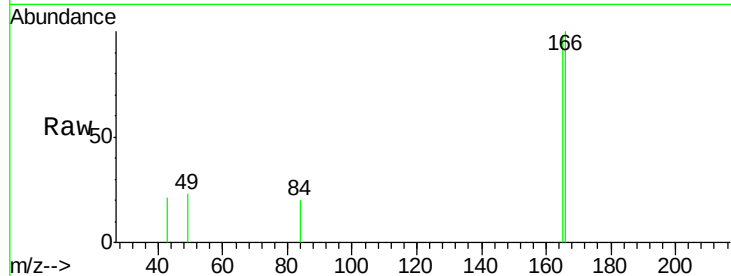
Tgt Ion:166 Resp: 1671

Ion Ratio Lower Upper

166 100

165 98.3 77.8 116.8

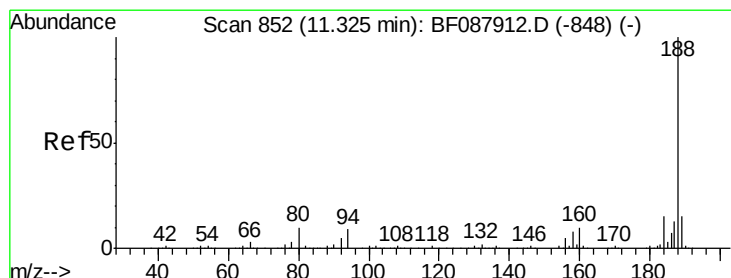
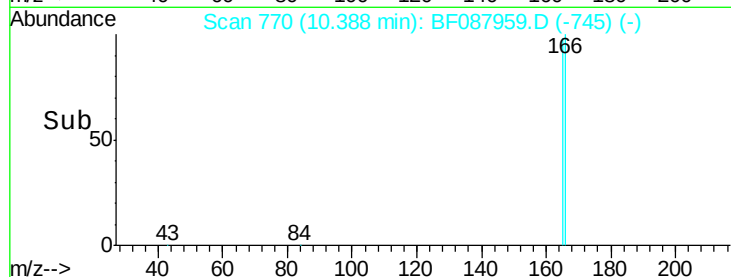
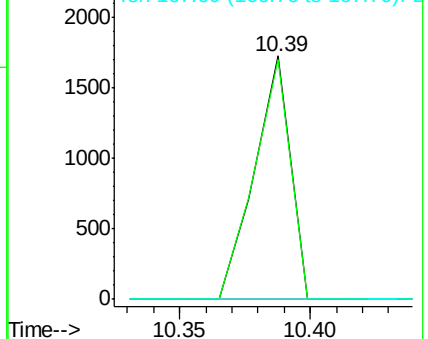
167 0.0 11.2 16.8#



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: 11.32 min Scan# 852

Delta R.T. 0.00 min

Lab File: BF087959.D

Acq: 12 Jun 2016 20:31

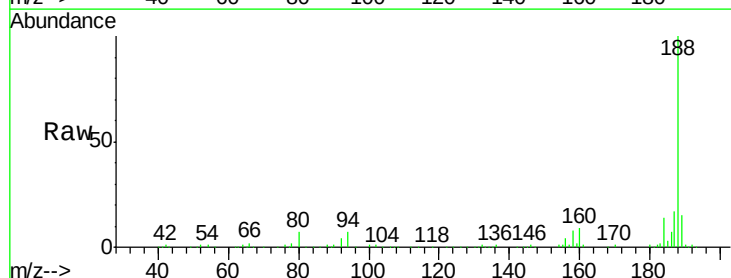
Tgt Ion:188 Resp: 396512

Ion Ratio Lower Upper

188 100

94 7.0 9.0 13.6#

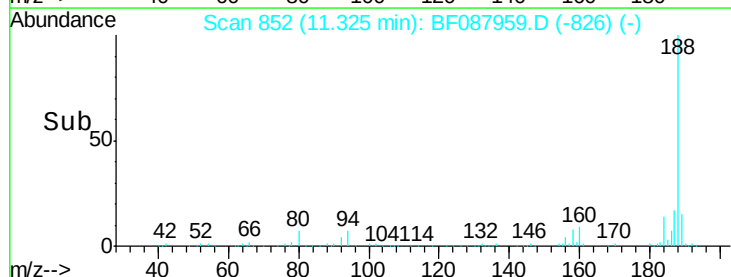
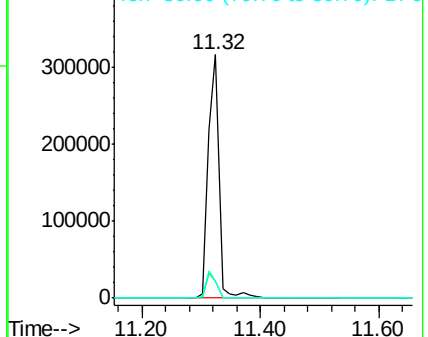
80 6.8 10.0 15.0#

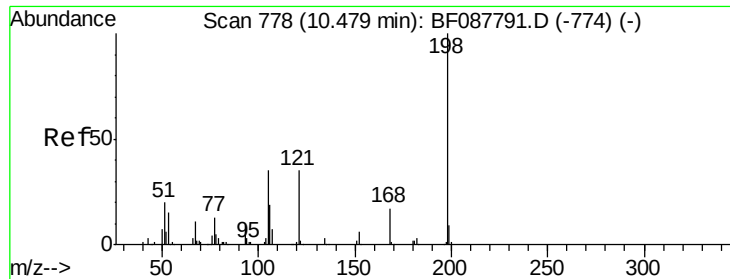


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

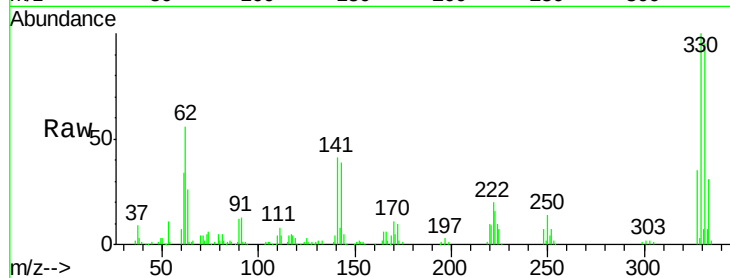




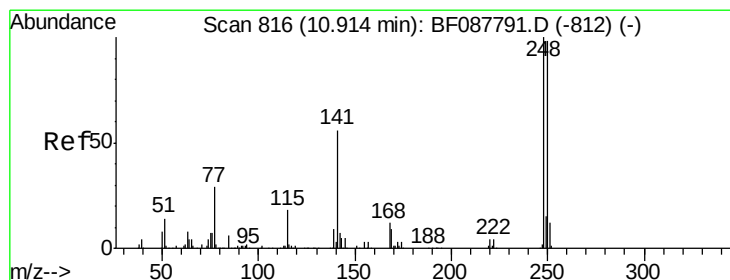
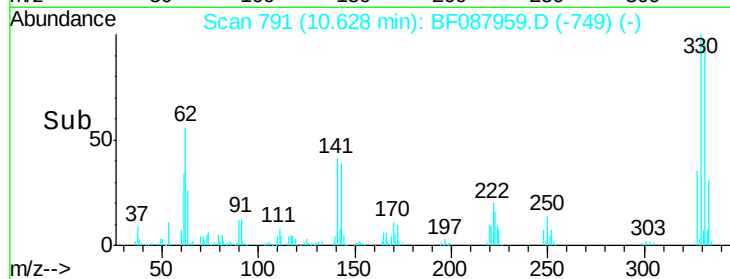
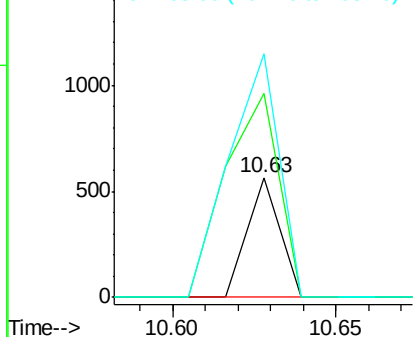
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.31 ng
 RT: 10.63 min Scan# 791
 Delta R.T. 0.18 min
 Lab File: BF087959.D
 Acq: 12 Jun 2016 20:31

Instrument :
 BNA_F
 ClientSampleId :
 HF-20-WC-1

Tgt Ion:198 Resp: 387
 Ion Ratio Lower Upper
 198 100
 51 170.4 39.6 79.6#
 105 203.5 36.6 76.6#

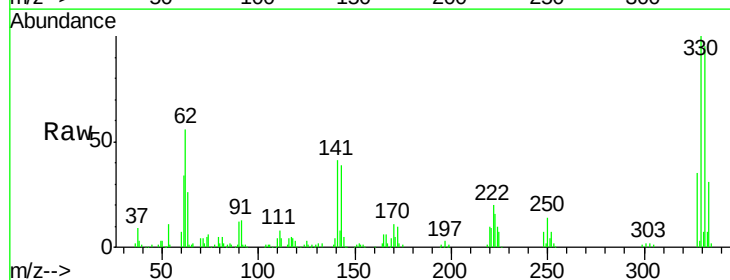


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

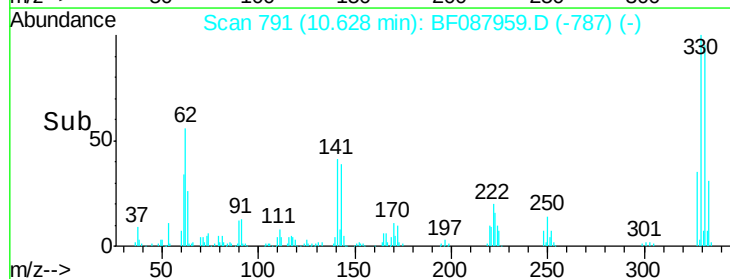
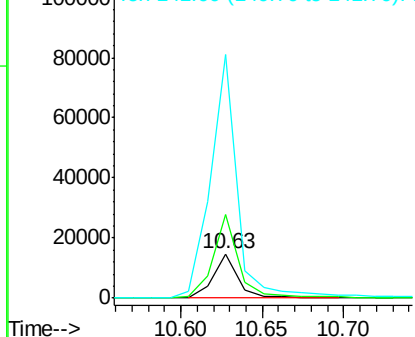


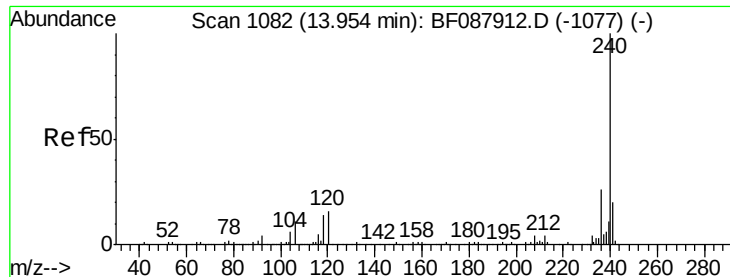
#66
 4-Bromophenyl-phenylether
 Concen: 3.67 ng
 RT: 10.63 min Scan# 791
 Delta R.T. -0.25 min
 Lab File: BF087959.D
 Acq: 12 Jun 2016 20:31

Tgt Ion:248 Resp: 15605
 Ion Ratio Lower Upper
 248 100
 250 189.8 77.1 115.7#
 141 553.4 50.6 76.0#



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: 13.95 min Scan# 1082

Delta R.T. -0.01 min

Lab File: BF087959.D

Acq: 12 Jun 2016 20:31

Instrument :

BNA_F

ClientSampleId :

HF-20-WC-1

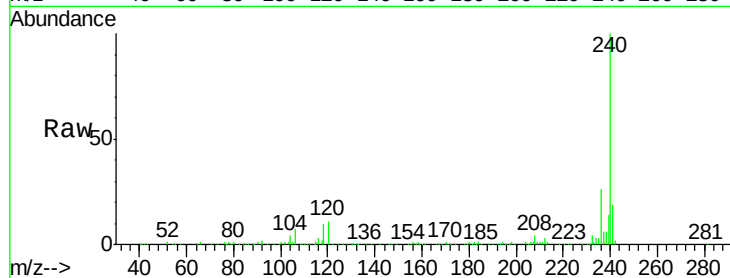
Tgt Ion:240 Resp: 296421

Ion Ratio Lower Upper

240 100

120 10.9 6.8 10.2#

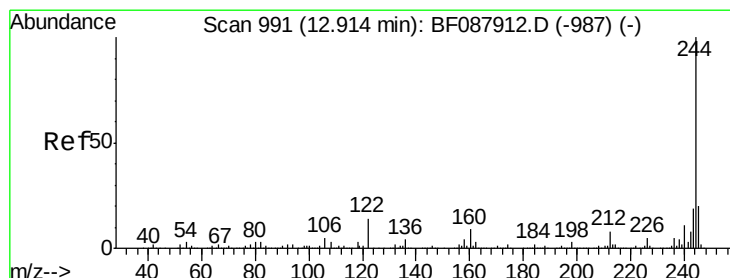
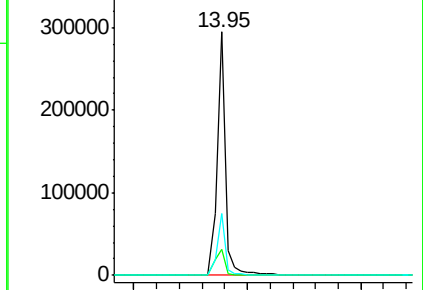
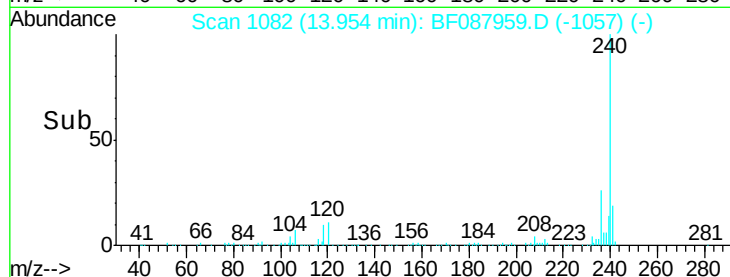
236 25.7 20.2 30.2



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: 78.40 ng

RT: 12.91 min Scan# 991

Delta R.T. -0.01 min

Lab File: BF087959.D

Acq: 12 Jun 2016 20:31

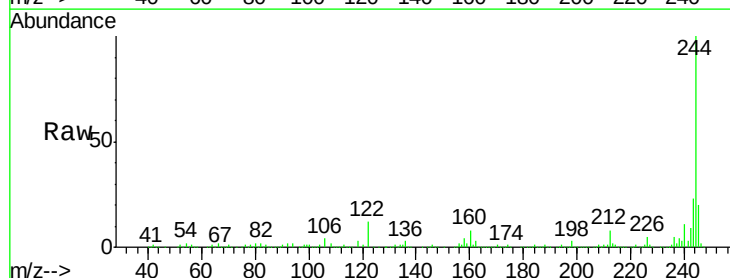
Tgt Ion:244 Resp: 1021257

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

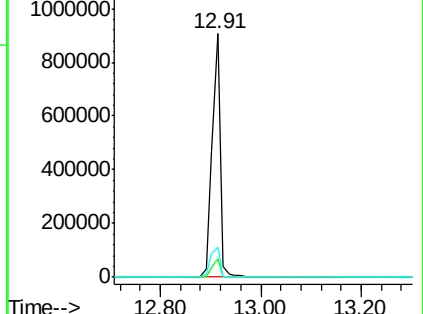
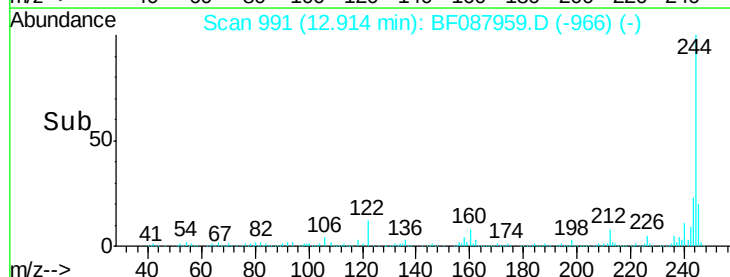
122 12.3 11.2 16.8

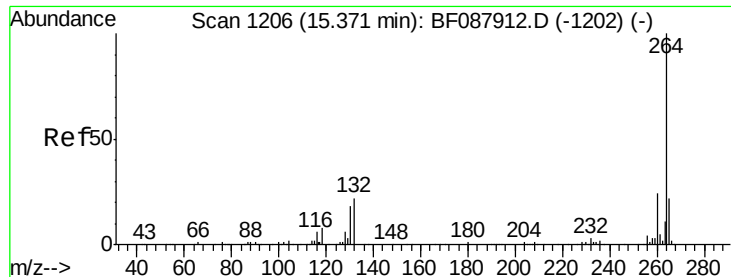


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

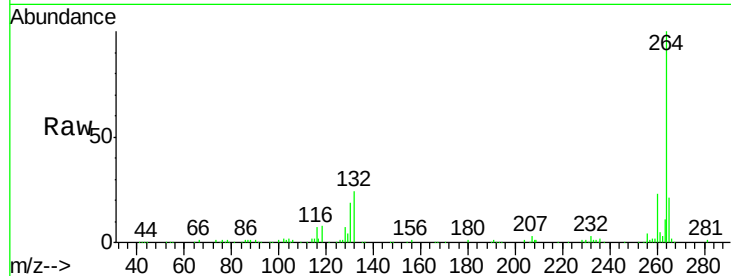




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1205
Delta R.T. -0.02 min
Lab File: BF087959.D
Acq: 12 Jun 2016 20:31

Instrument :
BNA_F
ClientSampleId :
HF-20-WC-1

Tgt Ion: 264 Resp: 212606
Ion Ratio Lower Upper
264 100
260 23.4 19.2 28.8
265 21.5 16.9 25.3



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

