

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061216\
 Data File : BF087960.D
 Acq On : 12 Jun 2016 21:00
 Operator : UM/SJ
 Sample : H3467-05
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-14-WC-2

Quant Time: Jun 13 05:01:27 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

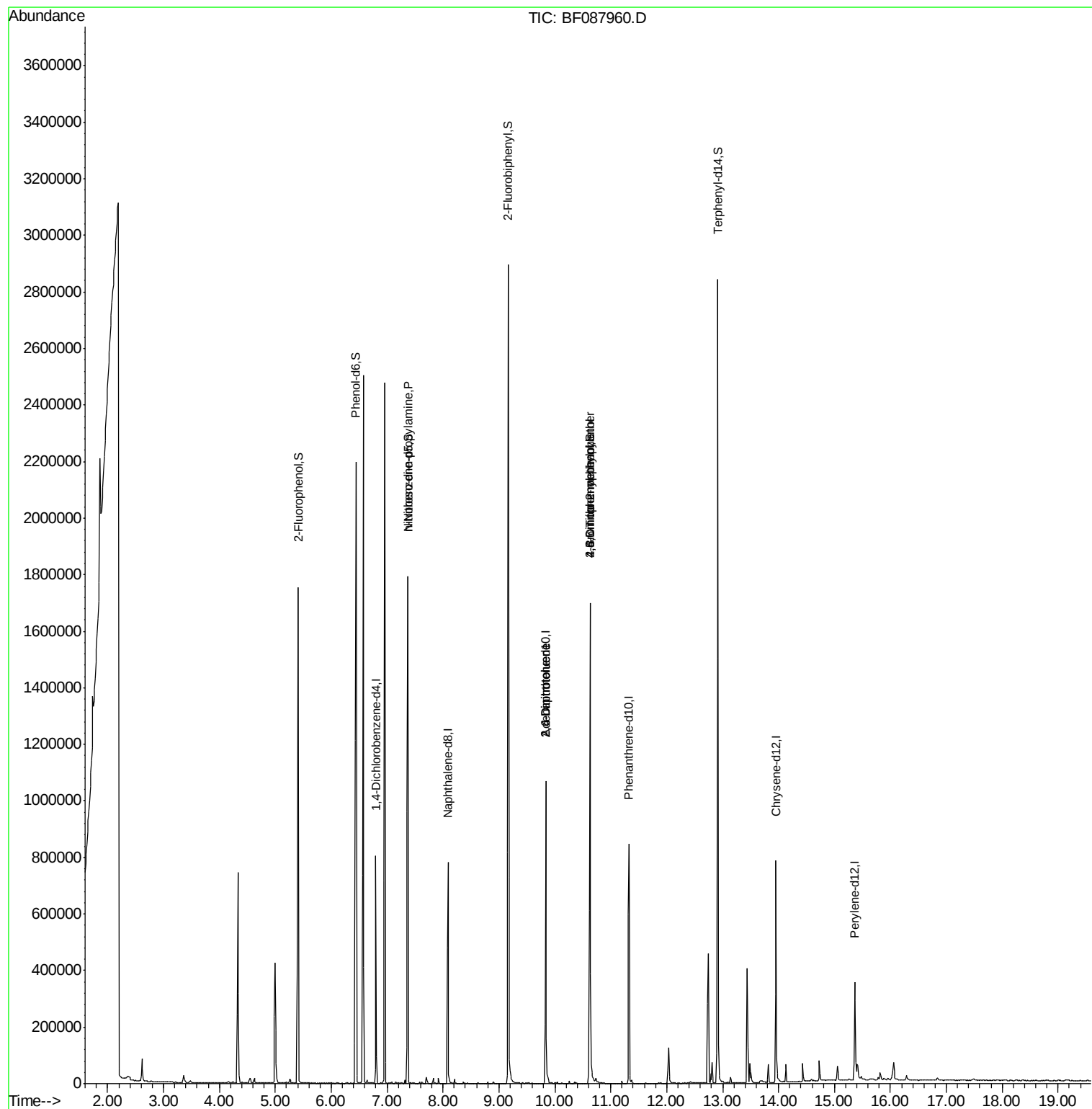
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	111931	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	461091	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	228875	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	416392	20.00	ng	0.00
75) Chrysene-d12	13.95	240	311187	20.00	ng	-0.01
86) Perylene-d12	15.36	264	212360	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	844378	128.96	ng	0.02
7) Phenol-d6	6.44	99	934254	117.74	ng	0.00
23) Nitrobenzene-d5	7.37	82	698482	88.46	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	254566	105.34	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	1124427	76.63	ng	-0.01
78) Terphenyl-d14	12.91	244	1039470	76.01	ng	-0.01
Target Compounds						
10) Phenol	6.57	94	1197	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	92028	18.13	ng	70
45) 1,1'-Biphenyl	9.27	154	573	Below Cal	#	43
50) 2,6-Dinitrotoluene	9.84	165	28394	7.48	ng	40
56) 2,4-Dinitrotoluene	9.84	165	28395	5.82	ng	38
57) Fluorene	10.39	166	1458	Below Cal	#	95
64) 4,6-Dinitro-2-methylphenol	10.63	198	378	2.30	ng	1
66) 4-Bromophenyl-phenylether	10.63	248	15712	3.52	ng	1

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

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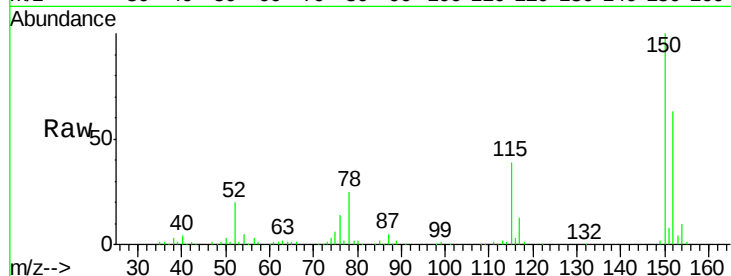




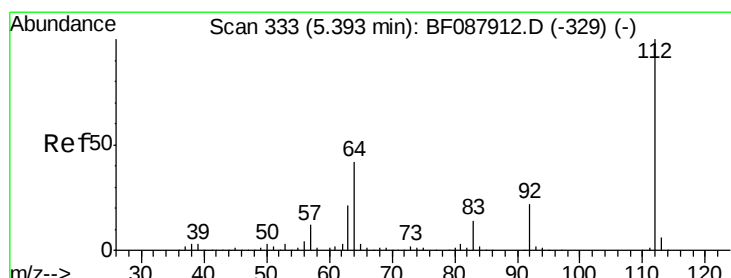
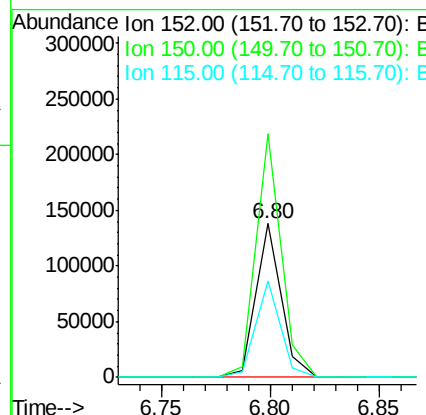
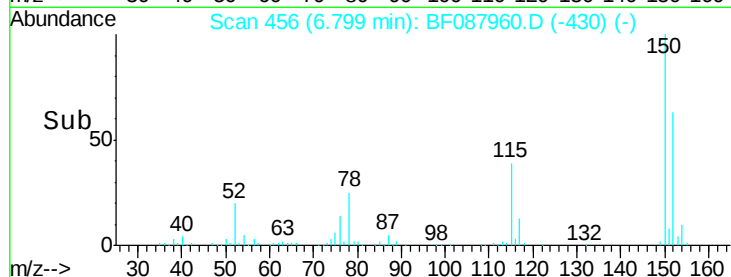
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 456
 Delta R.T. -0.00 min
 Lab File: BF087960.D
 Acq: 12 Jun 2016 21:00

Instrument :
 BNA_F
 ClientSampleId :
 S-14-WC-2

Tgt Ion:152 Resp: 111931
 Ion Ratio Lower Upper
 152 100
 150 158.4 123.8 185.6
 115 62.5 39.6 59.4#

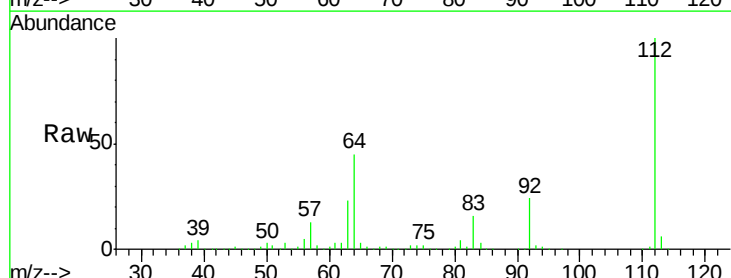


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

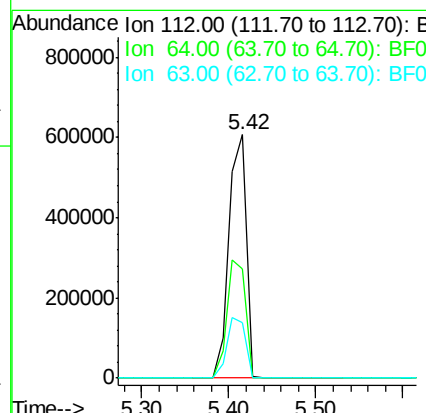
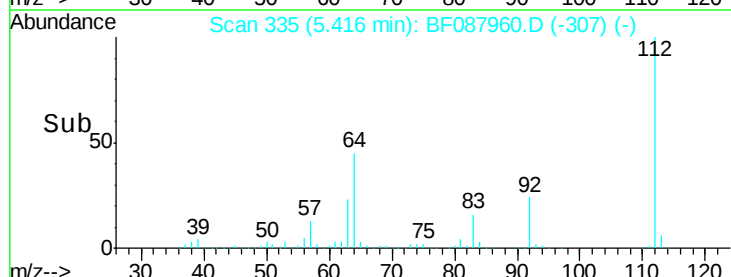


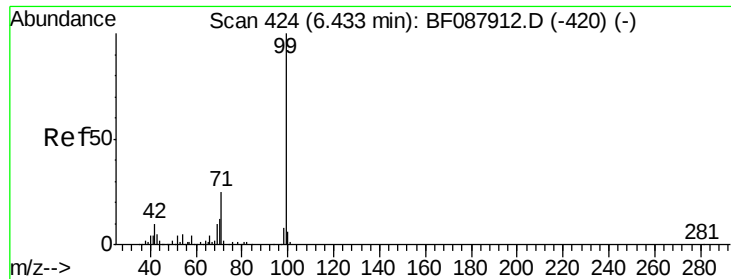
#5
 2-Fluorophenol
 Concen: 128.96 ng
 RT: 5.42 min Scan# 335
 Delta R.T. 0.02 min
 Lab File: BF087960.D
 Acq: 12 Jun 2016 21:00

Tgt Ion:112 Resp: 844378
 Ion Ratio Lower Upper
 112 100
 64 45.0 42.2 63.2
 63 22.9 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: 117.74 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.00 min

Lab File: BF087960.D

Acq: 12 Jun 2016 21:00

Instrument :

BNA_F

ClientSampleId :

S-14-WC-2

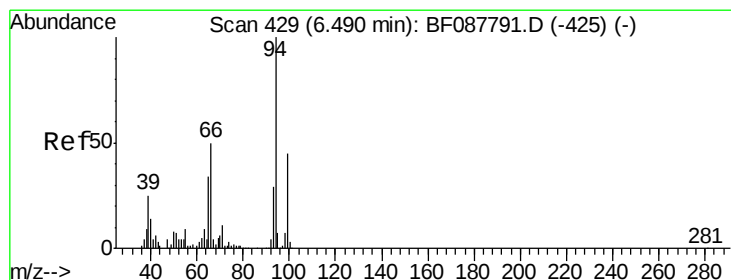
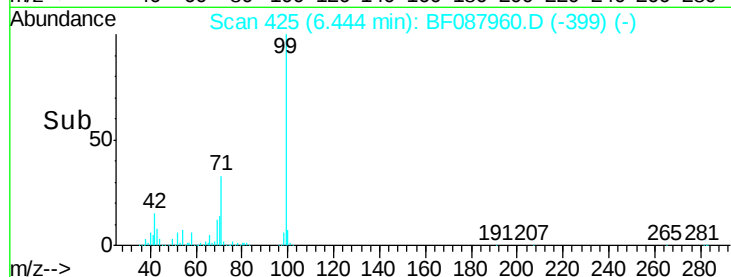
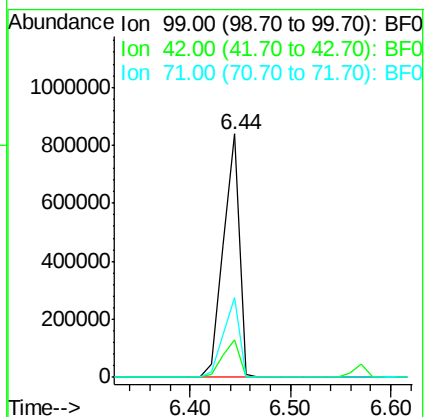
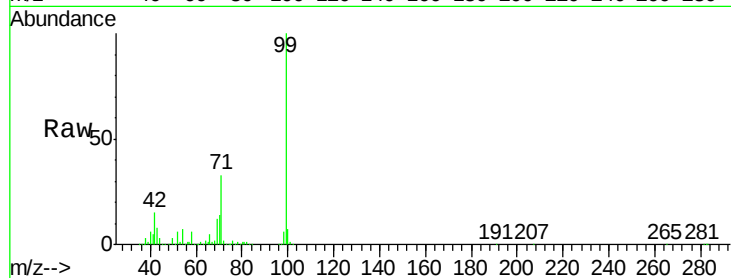
Tgt Ion: 99 Resp: 934254

Ion Ratio Lower Upper

99 100

42 15.4 12.2 18.2

71 32.7 23.4 35.0



#10

Phenol

Concen: Below Cal

RT: 6.57 min Scan# 436

Delta R.T. 0.11 min

Lab File: BF087960.D

Acq: 12 Jun 2016 21:00

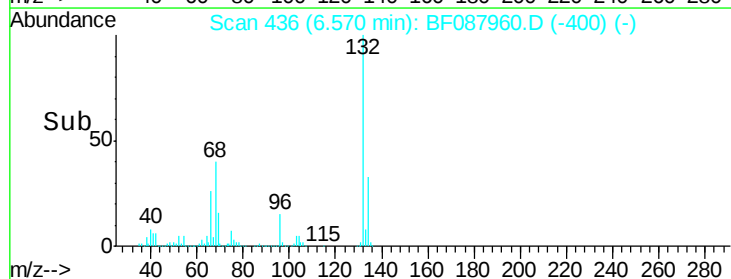
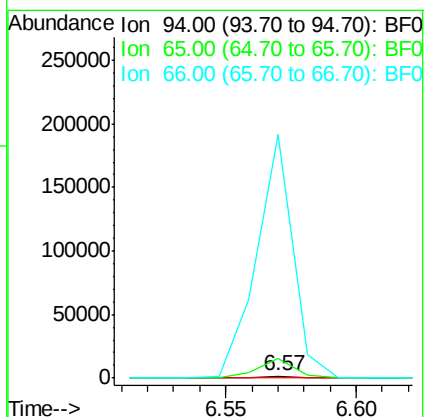
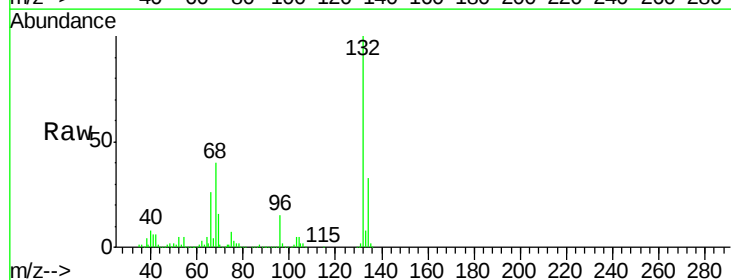
Tgt Ion: 94 Resp: 1197

Ion Ratio Lower Upper

94 100

65 1132.1 5.9 45.9#

66 14467.7 14.0 54.0#

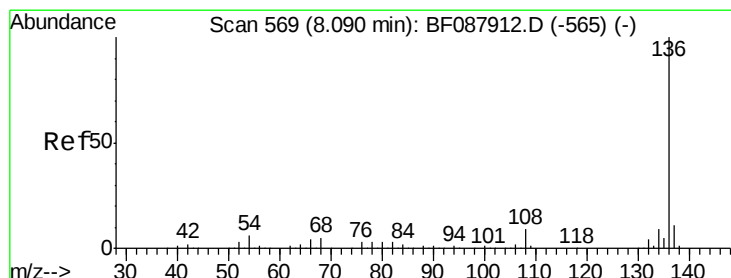
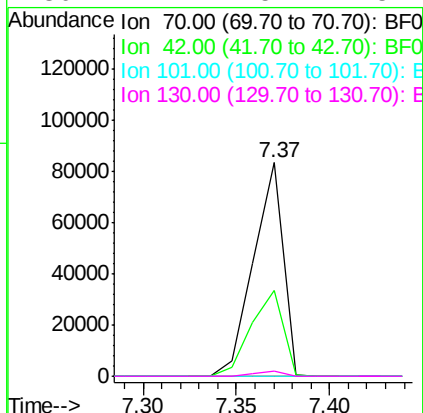
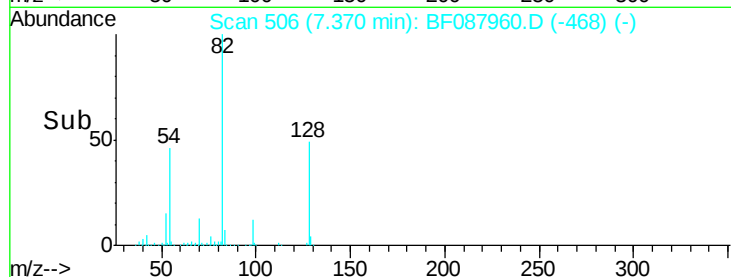
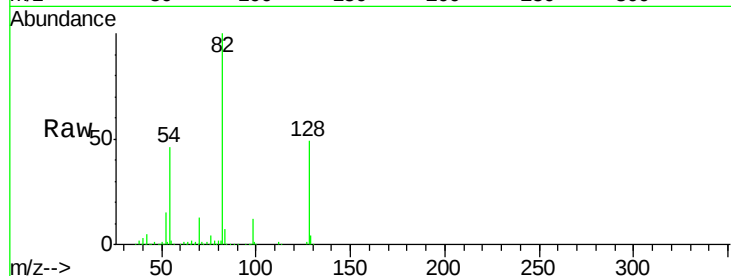




#19
n-Nitroso-di-n-propylamine
Concen: 18.13 ng
RT: 7.37 min Scan# 506
Delta R.T. 0.14 min
Lab File: BF087960.D
Acq: 12 Jun 2016 21:00

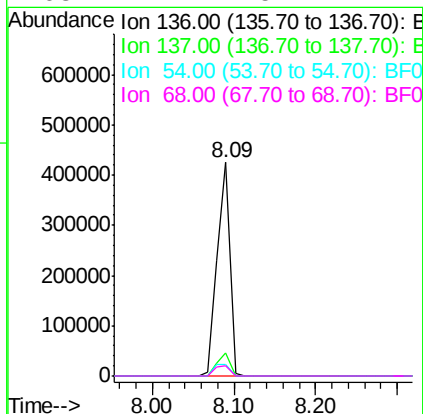
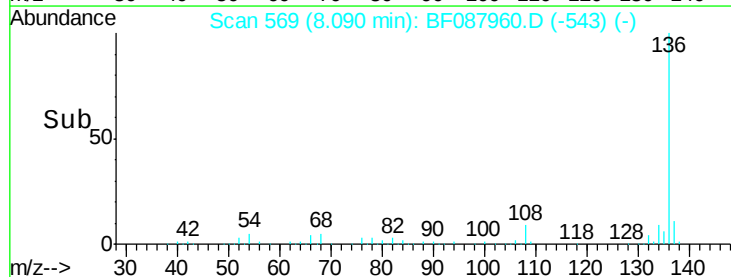
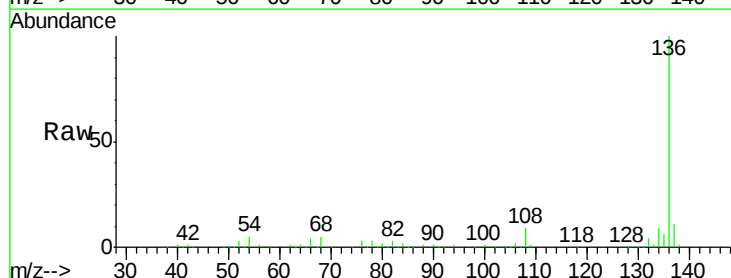
Instrument :
BNA_F
ClientSampleId :
S-14-WC-2

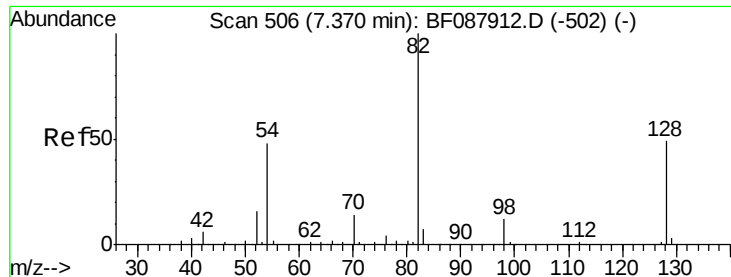
Tgt Ion: 70 Resp: 92028
Ion Ratio Lower Upper
70 100
42 40.2 49.6 74.4#
101 0.0 7.1 10.7#
130 2.4 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 569
Delta R.T. -0.00 min
Lab File: BF087960.D
Acq: 12 Jun 2016 21:00

Tgt Ion: 136 Resp: 461091
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 5.2 6.6 10.0#
68 4.7 5.1 7.7#

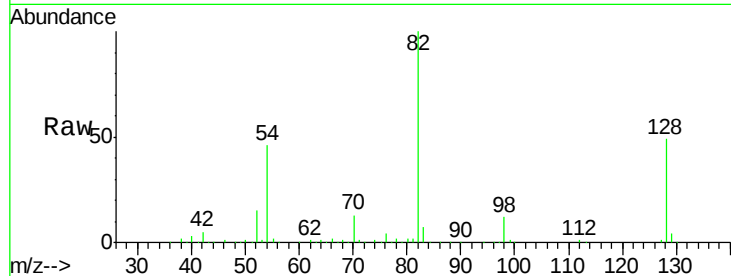




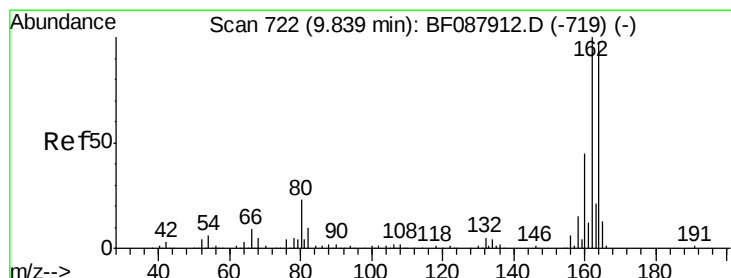
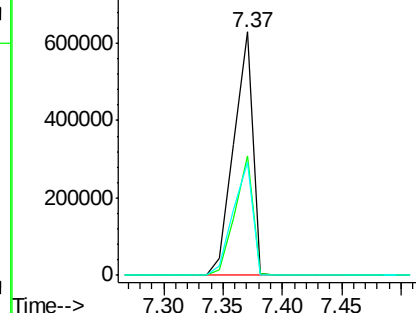
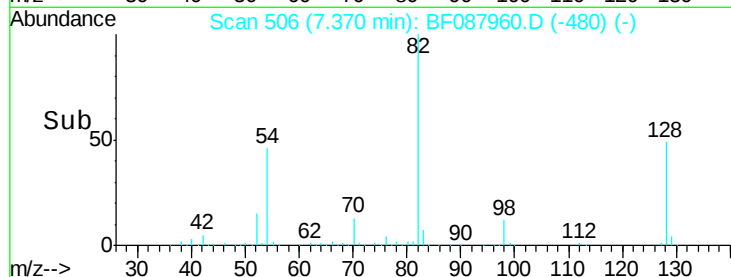
#23
 Nitrobenzene-d5
 Concen: 88.46 ng
 RT: 7.37 min Scan# 506
 Delta R.T. -0.00 min
 Lab File: BF087960.D
 Acq: 12 Jun 2016 21:00

Instrument :
 BNA_F
 ClientSampleId :
 S-14-WC-2

Tgt Ion	Ratio	Lower	Upper
82	100		
128	49.1	35.9	53.9
54	46.3	40.9	61.3

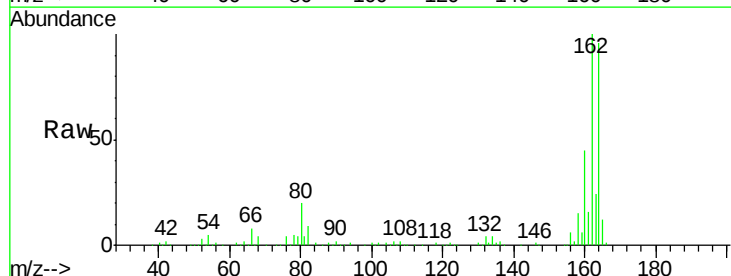


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

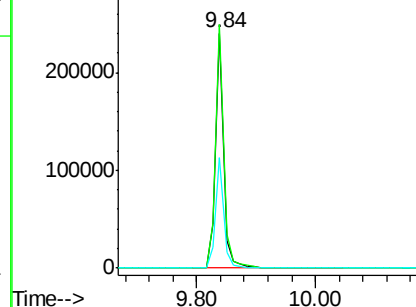
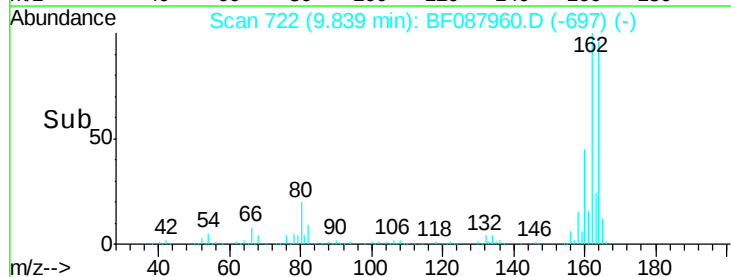


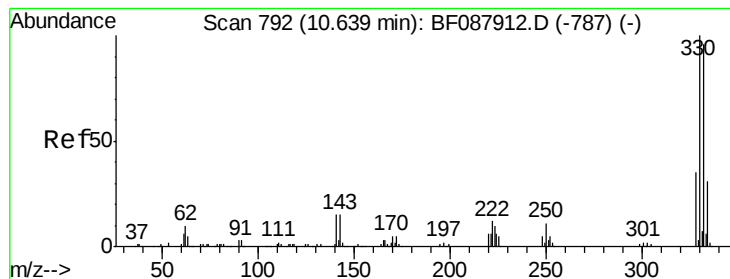
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.84 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: BF087960.D
 Acq: 12 Jun 2016 21:00

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	85.4	128.2
160	46.8	39.5	59.3



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

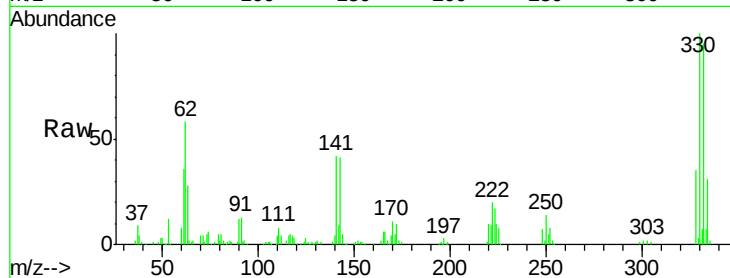




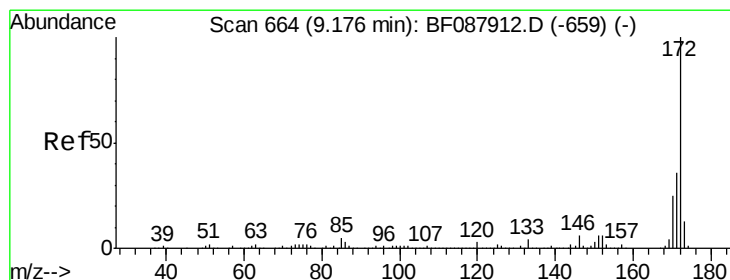
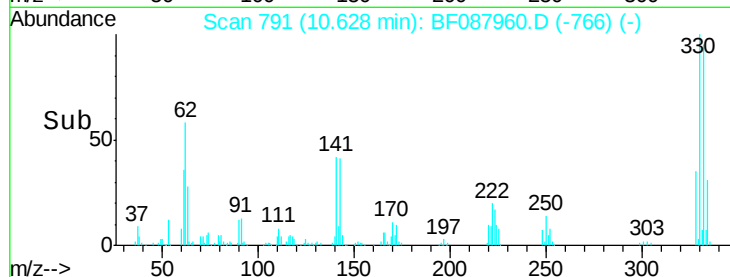
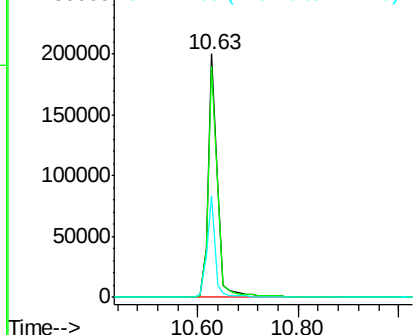
#41
 2,4,6-Tribromophenol
 Concen: 105.34 ng
 RT: 10.63 min Scan# 791
 Delta R.T. -0.01 min
 Lab File: BF087960.D
 Acq: 12 Jun 2016 21:00

Instrument :
 BNA_F
 ClientSampled :
 S-14-WC-2

Tgt Ion:330 Resp: 254566
 Ion Ratio Lower Upper
 330 100
 332 96.2 0.0 0.0#
 141 38.4 0.0 0.0#

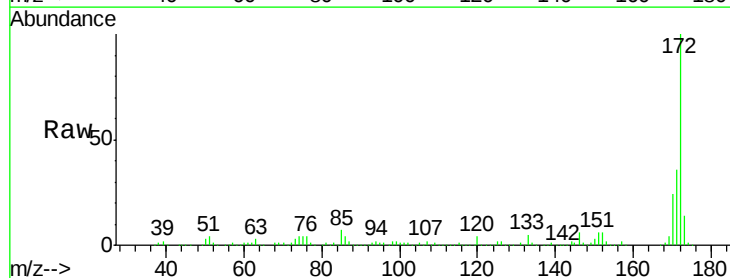


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

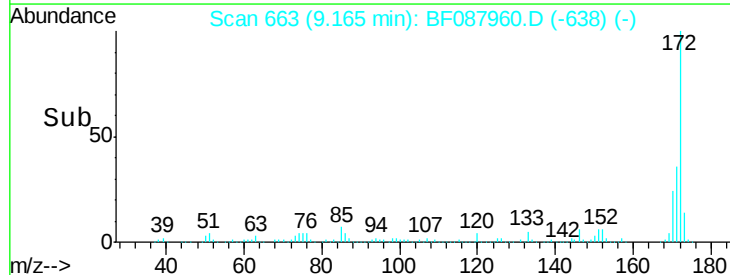
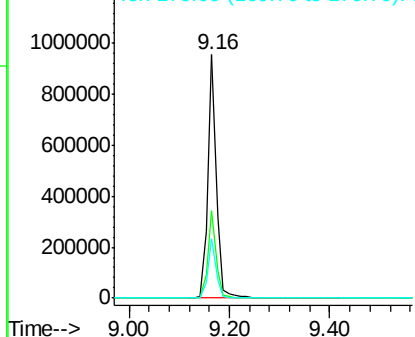


#44
 2-Fluorobiphenyl
 Concen: 76.63 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.01 min
 Lab File: BF087960.D
 Acq: 12 Jun 2016 21:00

Tgt Ion:172 Resp: 1124427
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.6 43.0
 170 24.5 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: BF087960.D

Acq: 12 Jun 2016 21:00

Instrument :

BNA_F

ClientSampleId :

S-14-WC-2

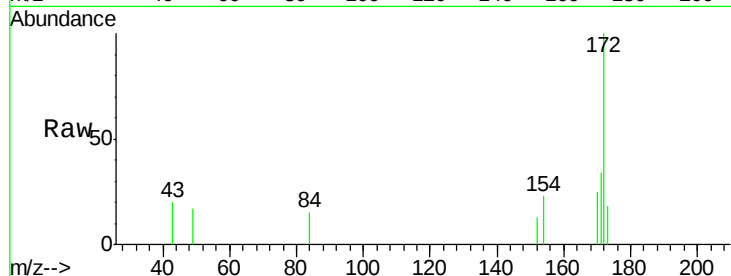
Tgt Ion:154 Resp: 573

Ion Ratio Lower Upper

154 100

153 0.0 20.6 60.6#

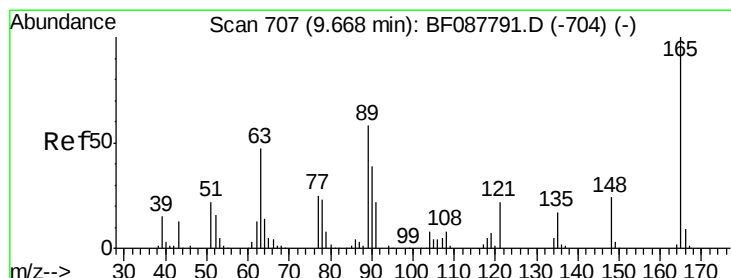
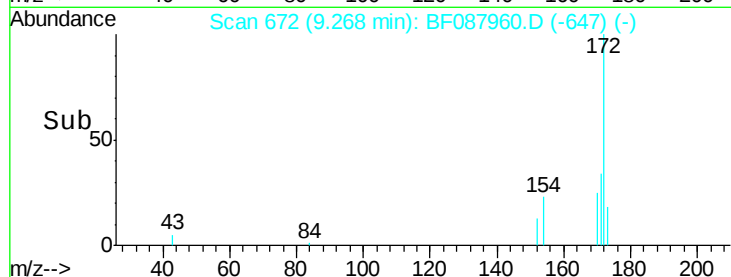
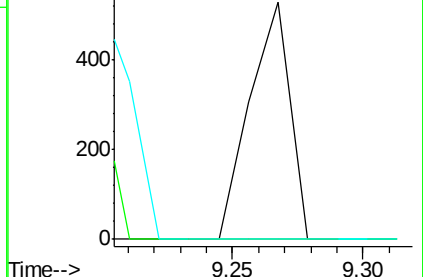
76 0.0 0.0 35.1



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: 7.48 ng

RT: 9.84 min Scan# 722

Delta R.T. 0.19 min

Lab File: BF087960.D

Acq: 12 Jun 2016 21:00

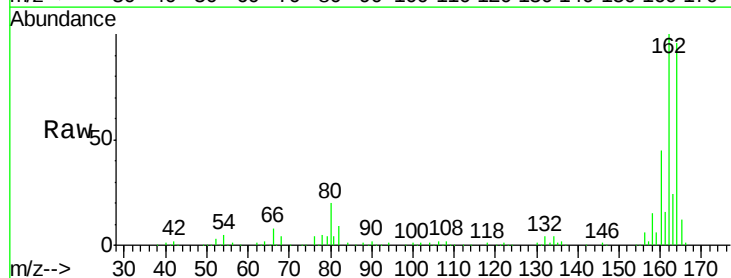
Tgt Ion:165 Resp: 28394

Ion Ratio Lower Upper

165 100

63 1.4 28.1 42.1#

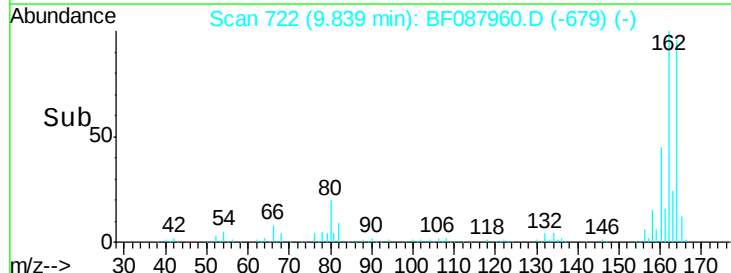
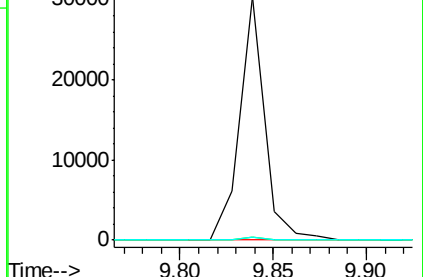
89 1.5 32.2 48.2#

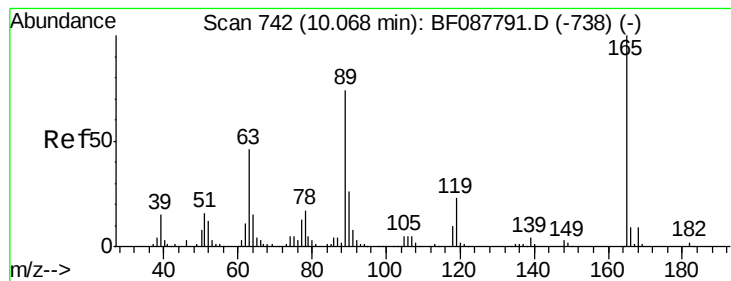


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 5.82 ng

RT: 9.84 min Scan# 722

Delta R.T. -0.21 min

Lab File: BF087960.D

Acq: 12 Jun 2016 21:00

Instrument :

BNA_F

ClientSampleId :

S-14-WC-2

Tgt Ion:165 Resp: 28395

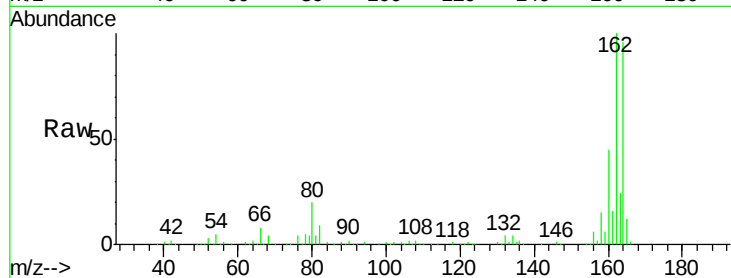
Ion Ratio Lower Upper

165 100

63 1.4 22.0 33.0#

89 1.5 41.1 61.7#

182 0.0 2.0 3.0#

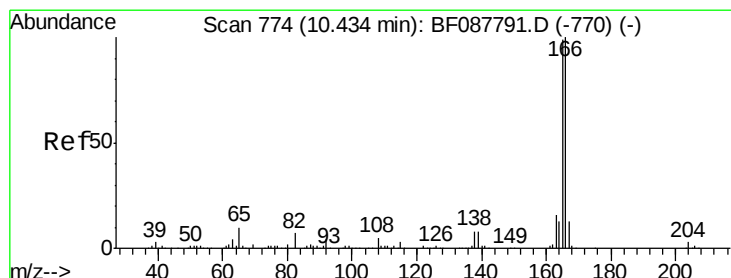
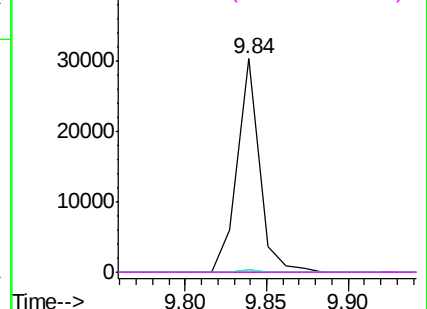
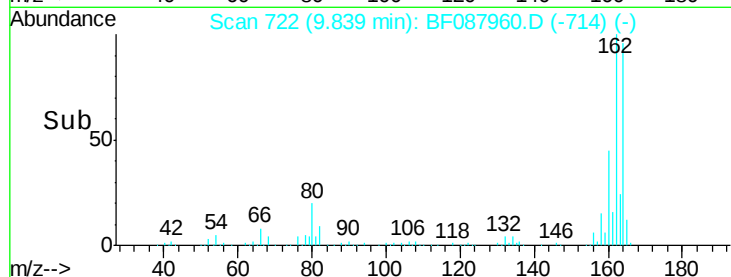


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF087960.D

Acq: 12 Jun 2016 21:00

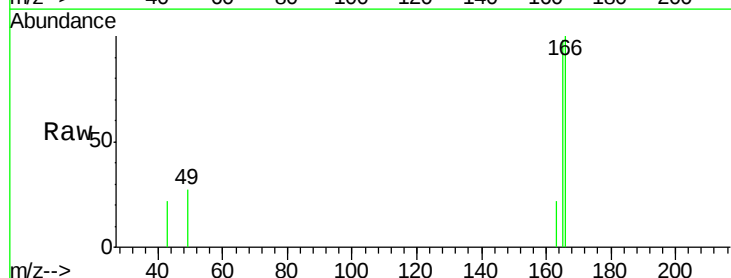
Tgt Ion:166 Resp: 1458

Ion Ratio Lower Upper

166 100

165 97.7 77.8 116.8

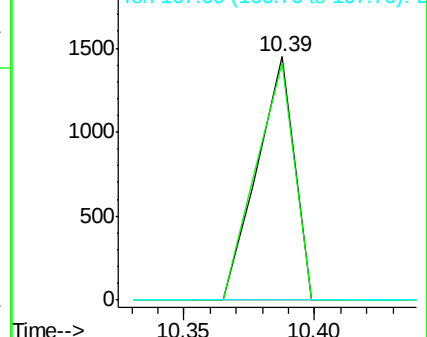
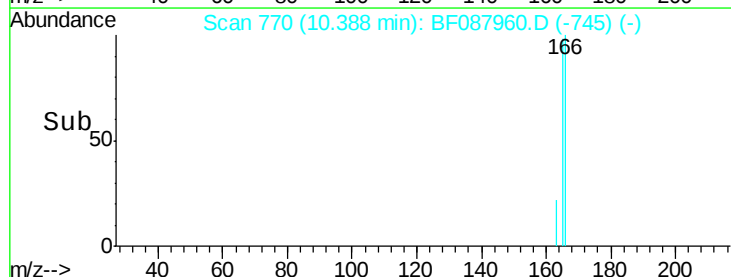
167 0.0 11.2 16.8#

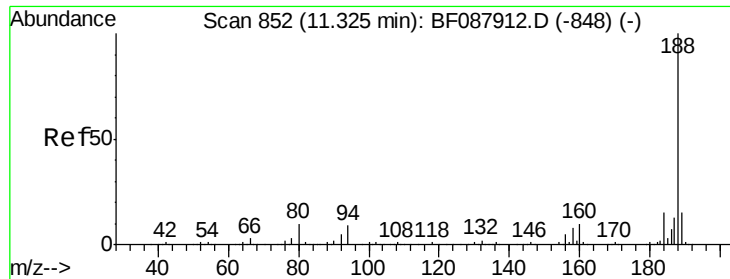


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

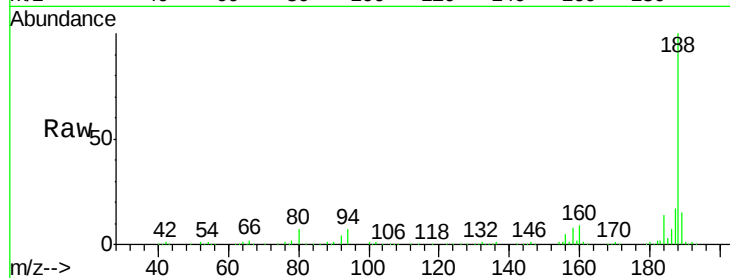




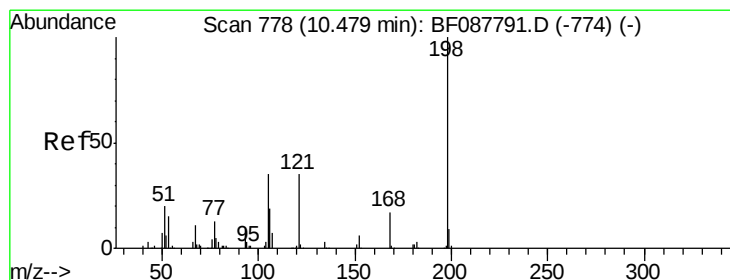
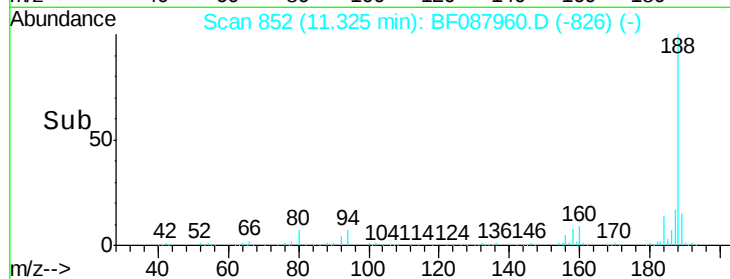
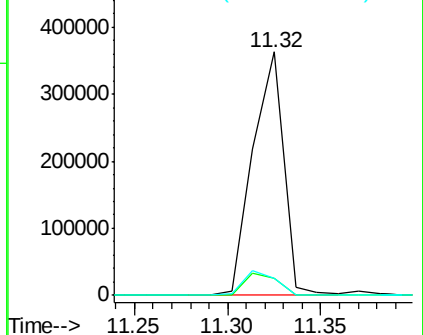
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.32 min Scan# 852
 Delta R.T. -0.00 min
 Lab File: BF087960.D
 Acq: 12 Jun 2016 21:00

Instrument :
 BNA_F
 ClientSampleId :
 S-14-WC-2

Tgt Ion:188 Resp: 416392
 Ion Ratio Lower Upper
 188 100
 94 7.0 9.0 13.6#
 80 6.9 10.0 15.0#

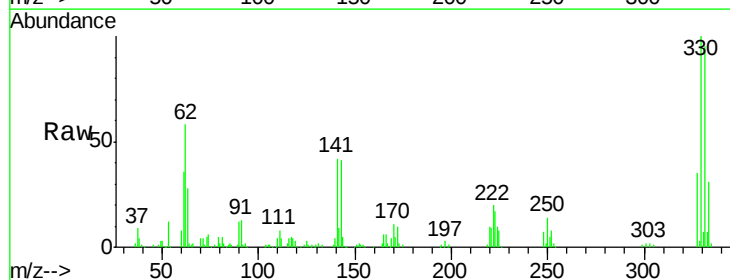


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

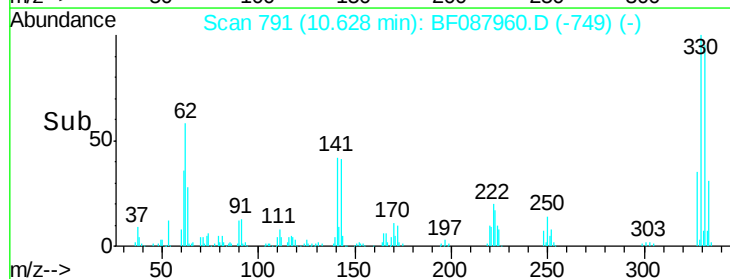
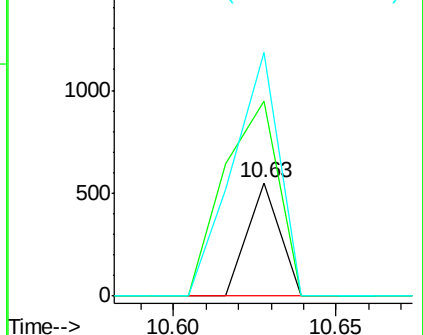


#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.30 ng
 RT: 10.63 min Scan# 791
 Delta R.T. 0.18 min
 Lab File: BF087960.D
 Acq: 12 Jun 2016 21:00

Tgt Ion:198 Resp: 378
 Ion Ratio Lower Upper
 198 100
 51 171.7 39.6 79.6#
 105 214.7 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: 3.52 ng

RT: 10.63 min Scan# 791

Delta R.T. -0.25 min

Lab File: BF087960.D

Acq: 12 Jun 2016 21:00

Instrument :

BNA_F

ClientSampled :

S-14-WC-2

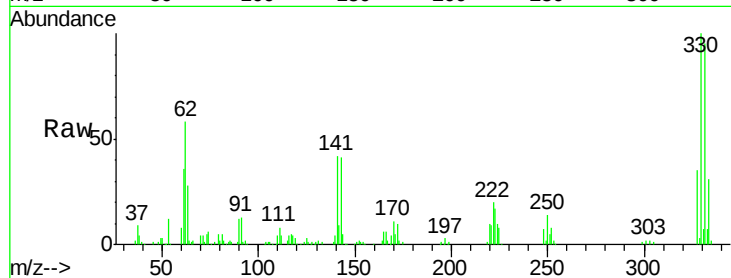
Tgt Ion:248 Resp: 15712

Ion Ratio Lower Upper

248 100

250 197.4 77.1 115.7#

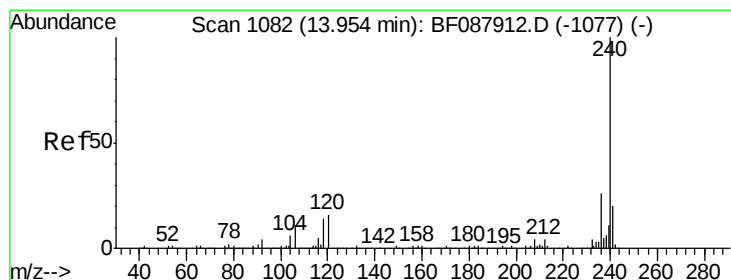
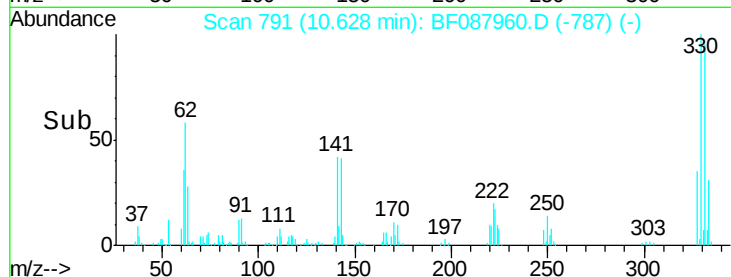
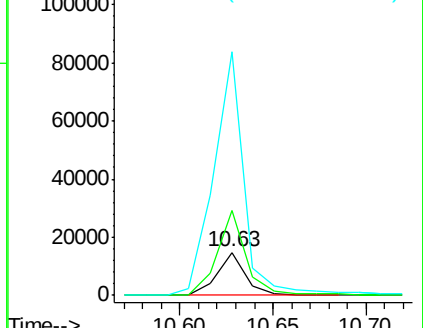
141 570.3 50.6 76.0#



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: BF087960.D

Acq: 12 Jun 2016 21:00

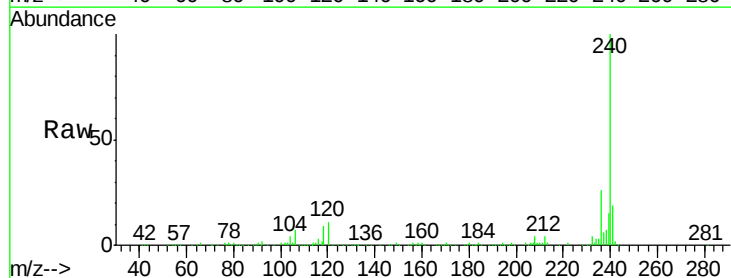
Tgt Ion:240 Resp: 311187

Ion Ratio Lower Upper

240 100

120 10.7 6.8 10.2#

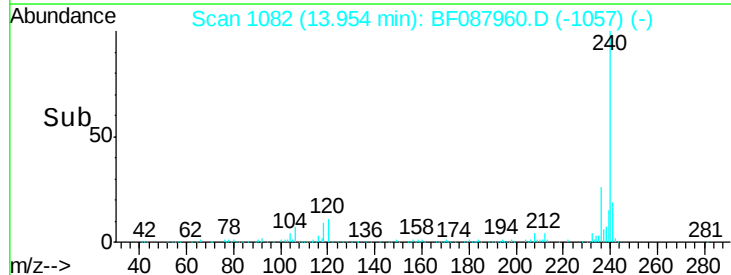
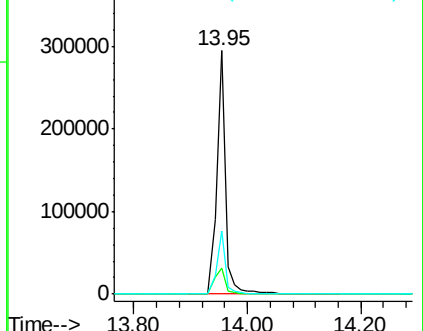
236 25.9 20.2 30.2

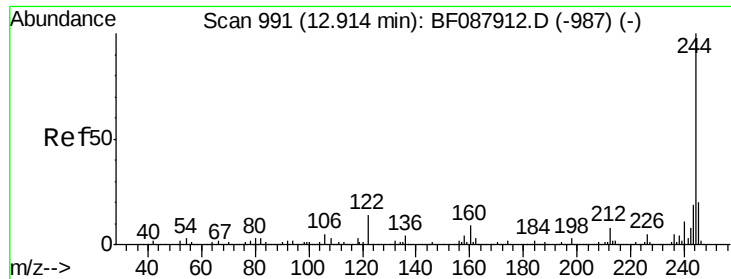


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

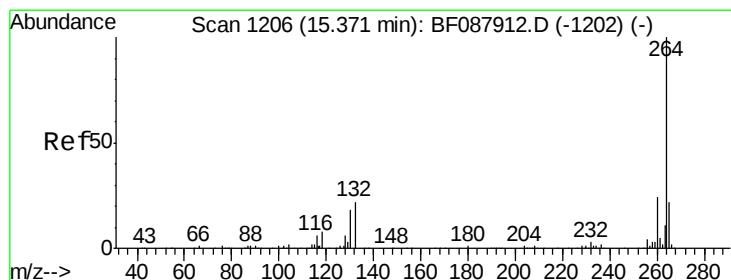
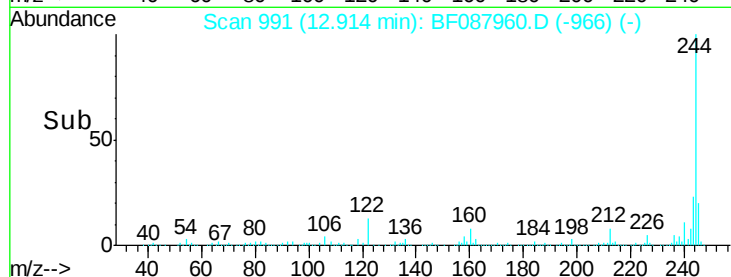
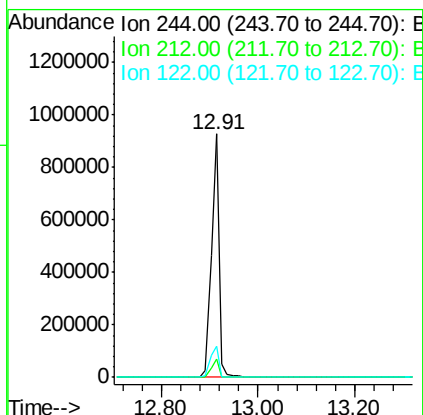
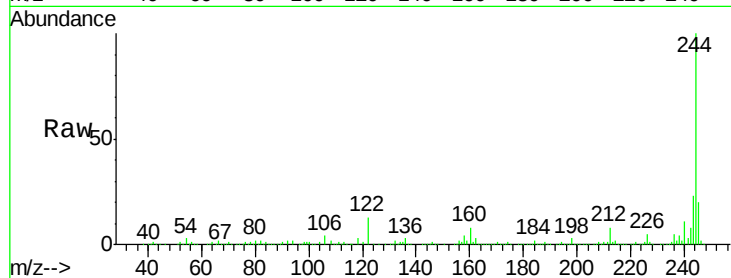




#78
 Terphenyl-d14
 Concen: 76.01 ng
 RT: 12.91 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: BF087960.D
 Acq: 12 Jun 2016 21:00

Instrument :
 BNA_F
 ClientSampleId :
 S-14-WC-2

Tgt Ion:244 Resp: 1039470
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.0 9.0
 122 12.6 11.2 16.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 1205
 Delta R.T. -0.02 min
 Lab File: BF087960.D
 Acq: 12 Jun 2016 21:00

Tgt Ion:264 Resp: 212360
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 21.2 16.9 25.3

