

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061216\
 Data File : BF087951.D
 Acq On : 12 Jun 2016 16:36
 Operator : UM/SJ
 Sample : H3490-02
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-37

Quant Time: Jun 13 04:59:13 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

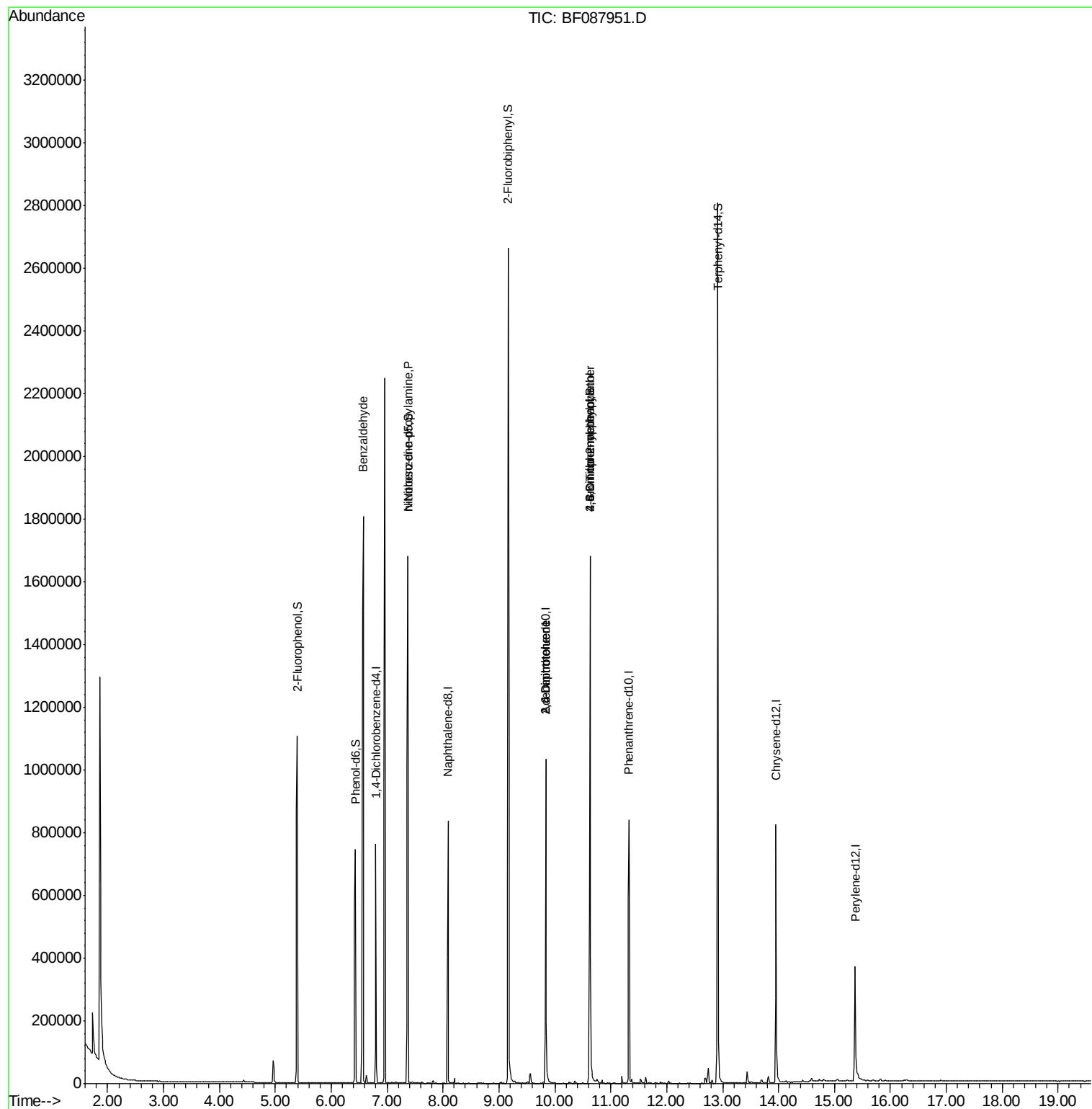
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	110547	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	453445	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	218602	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	411292	20.00	ng	0.00
75) Chrysene-d12	13.95	240	317288	20.00	ng	-0.01
86) Perylene-d12	15.37	264	244020	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	440714	68.15	ng	0.00
7) Phenol-d6	6.43	99	363338	46.36	ng	-0.01
23) Nitrobenzene-d5	7.37	82	695355	89.55	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	243710	105.58	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	1119839	80.16	ng	-0.01
78) Terphenyl-d14	12.91	244	1037848	74.43	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.57	77	15211	2.76	ng	# 78
10) Phenol	6.44	94	480	Below	Cal	# 67
19) n-Nitroso-di-n-propylamine	7.37	70	91153	18.18	ng	# 70
45) 1,1'-Biphenyl	9.16	154	1982	Below	Cal	# 1
50) 2,6-Dinitrotoluene	9.84	165	27431	7.56	ng	# 39
56) 2,4-Dinitrotoluene	9.84	165	27434	5.89	ng	# 37
57) Fluorene	10.63	166	11410	Below	Cal	# 85
64) 4,6-Dinitro-2-methylphenol	10.63	198	381	2.30	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	15142	3.43	ng	# 1

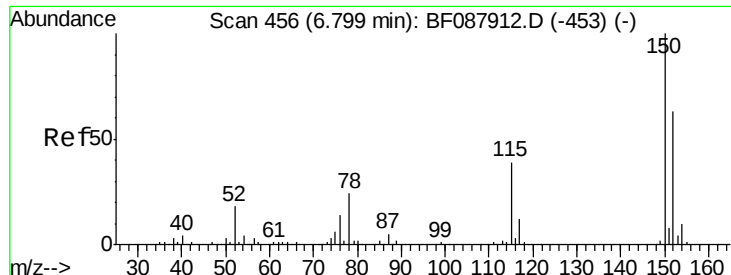
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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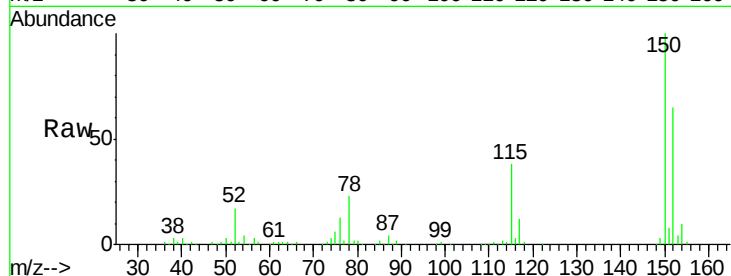




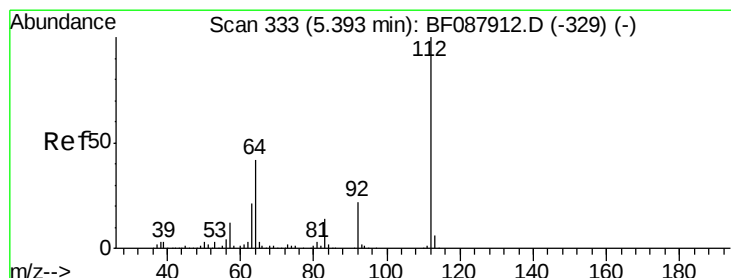
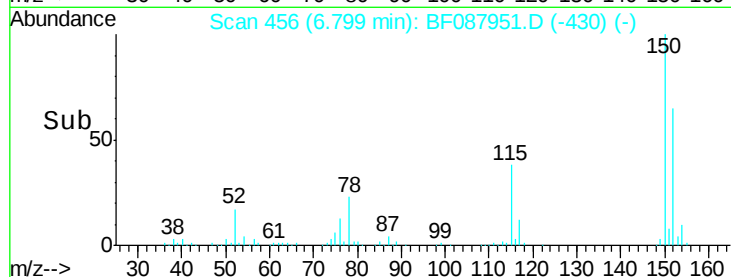
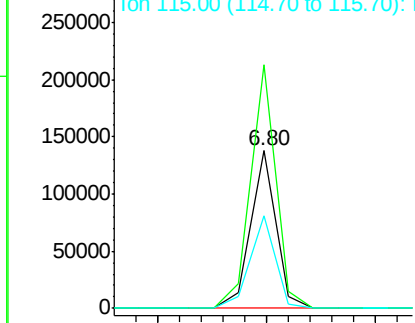
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 456
 Delta R.T. -0.00 min
 Lab File: BF087951.D
 Acq: 12 Jun 2016 16:36

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:152 Resp: 110547
 Ion Ratio Lower Upper
 152 100
 150 154.6 123.8 185.6
 115 58.5 39.6 59.4

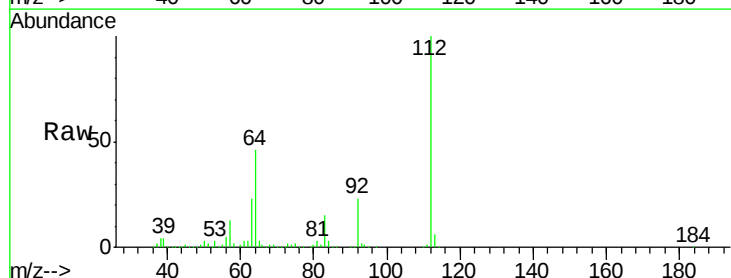


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

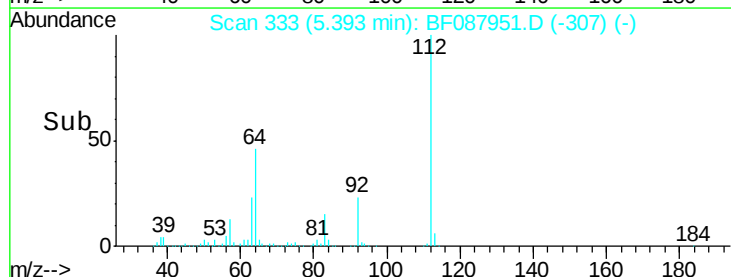
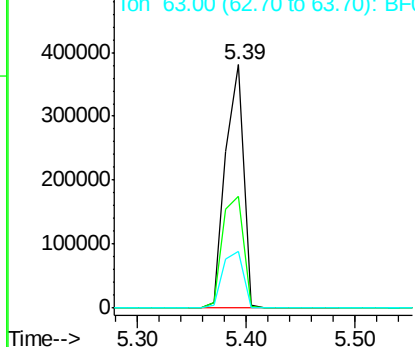


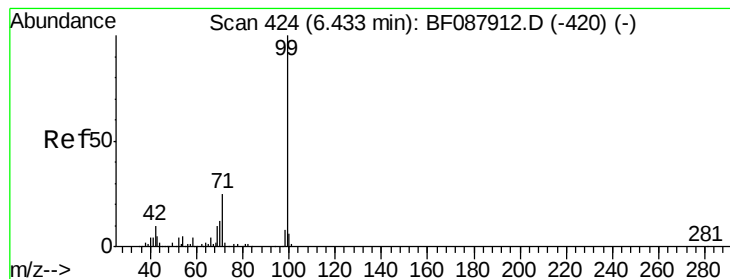
#5
 2-Fluorophenol
 Concen: 68.15 ng
 RT: 5.39 min Scan# 333
 Delta R.T. -0.00 min
 Lab File: BF087951.D
 Acq: 12 Jun 2016 16:36

Tgt Ion:112 Resp: 440714
 Ion Ratio Lower Upper
 112 100
 64 45.9 42.2 63.2
 63 23.1 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: 46.36 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.01 min

Lab File: BF087951.D

Acq: 12 Jun 2016 16:36

Instrument :

BNA_F

ClientSampleId :

W-37

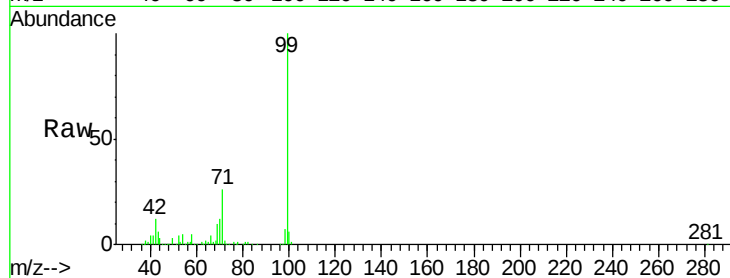
Tgt Ion: 99 Resp: 363338

Ion Ratio Lower Upper

99 100

42 11.6 12.2 18.2#

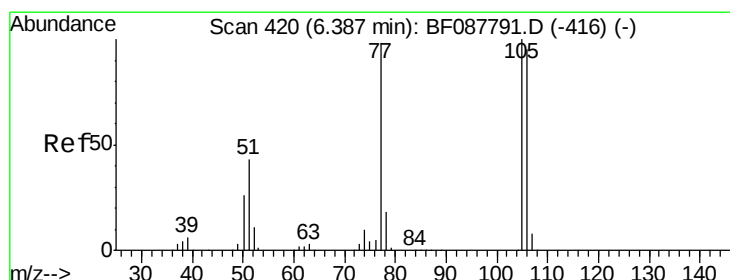
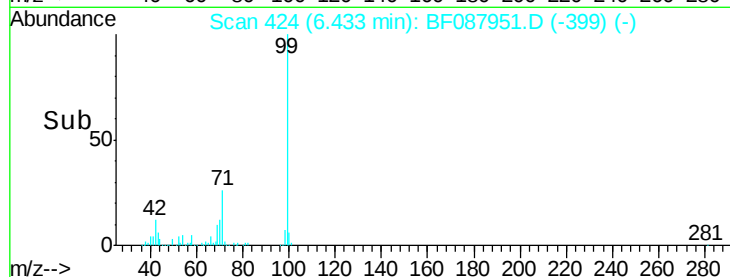
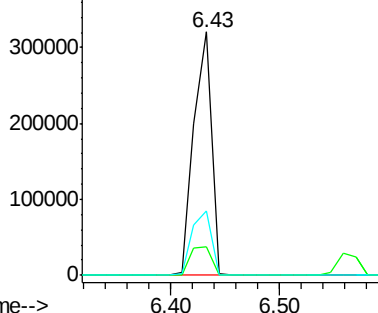
71 26.4 23.4 35.0



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



#9

Benzaldehyde

Concen: 2.76 ng

RT: 6.57 min Scan# 436

Delta R.T. 0.23 min

Lab File: BF087951.D

Acq: 12 Jun 2016 16:36

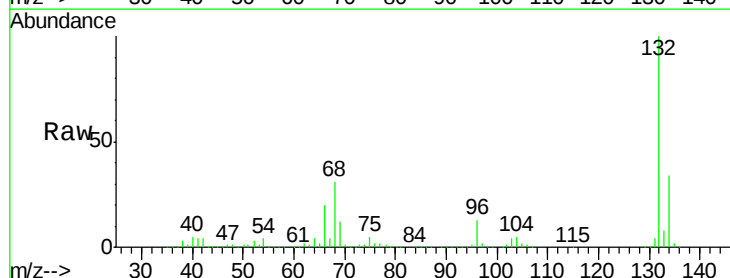
Tgt Ion: 77 Resp: 15211

Ion Ratio Lower Upper

77 100

105 89.5 90.6 130.6#

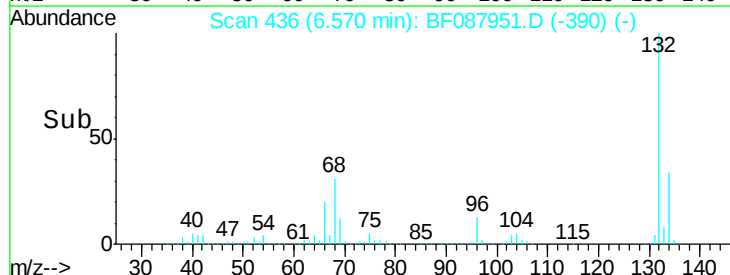
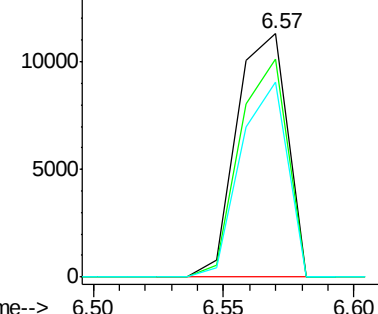
106 80.0 85.3 125.3#

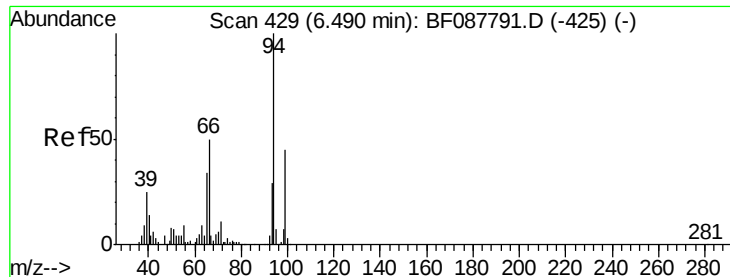


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: Below Cal

RT: 6.44 min Scan# 425

Delta R.T. -0.01 min

Lab File: BF087951.D

Acq: 12 Jun 2016 16:36

Instrument :

BNA_F

ClientSampleId :

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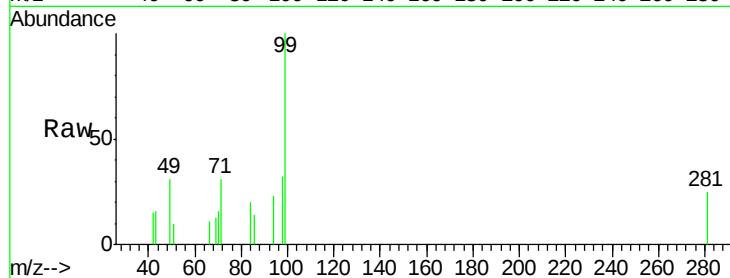
Tgt Ion: 94 Resp: 480

Ion Ratio Lower Upper

94 100

65 0.0 5.9 45.9#

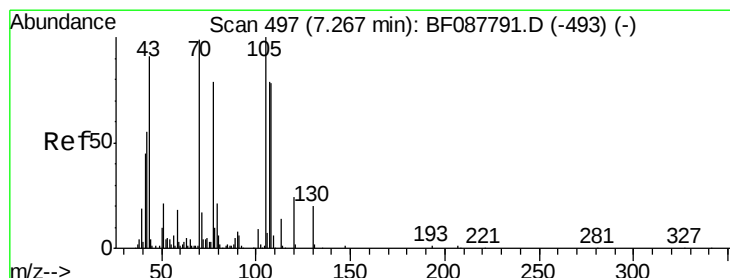
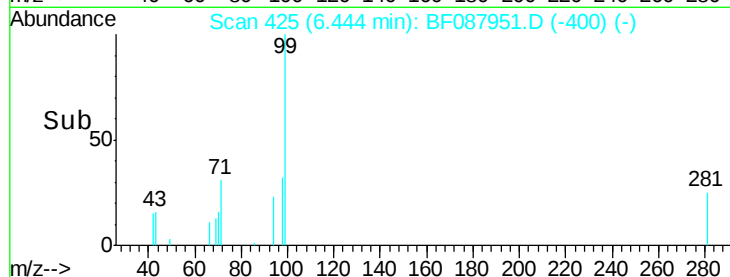
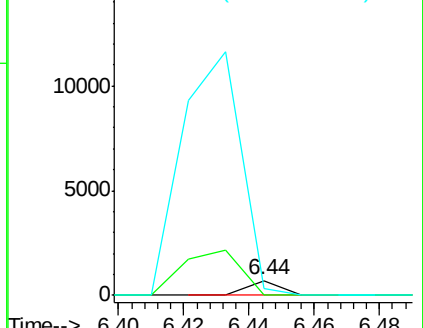
66 45.1 14.0 54.0



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: 18.18 ng

RT: 7.37 min Scan# 506

Delta R.T. 0.14 min

Lab File: BF087951.D

Acq: 12 Jun 2016 16:36

Tgt Ion: 70 Resp: 91153

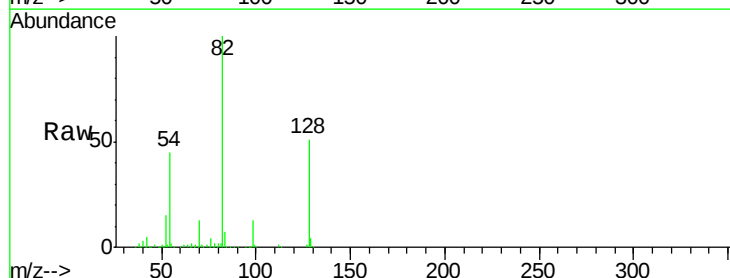
Ion Ratio Lower Upper

70 100

42 39.9 49.6 74.4#

101 0.0 7.1 10.7#

130 2.7 15.4 23.2#

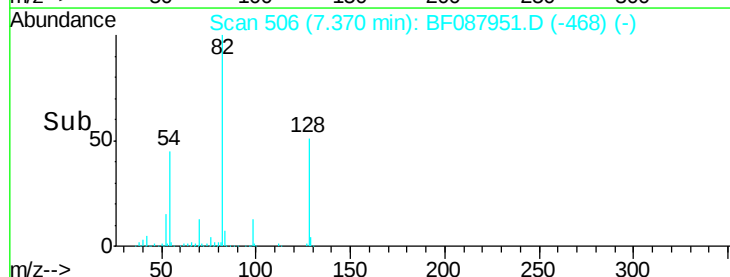
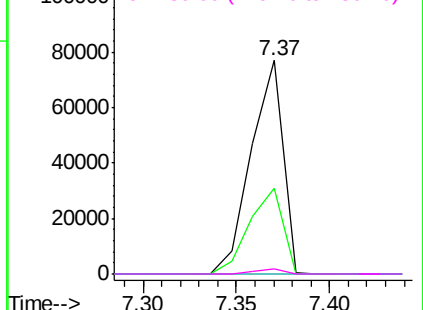


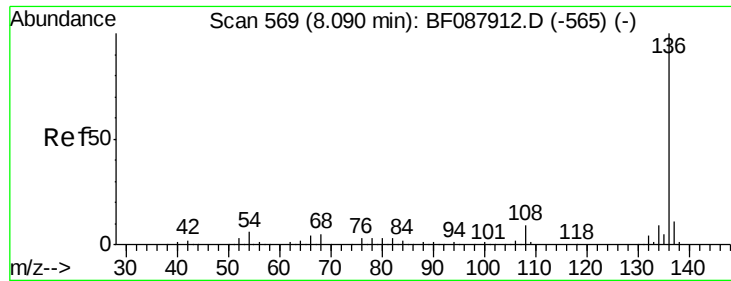
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

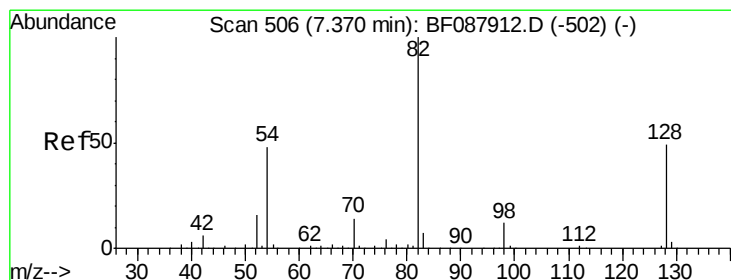
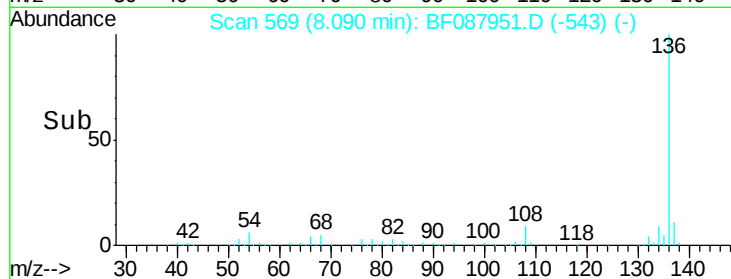
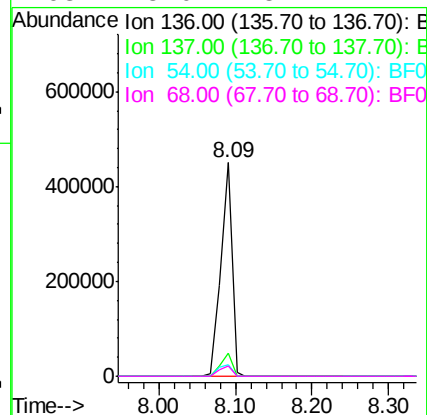
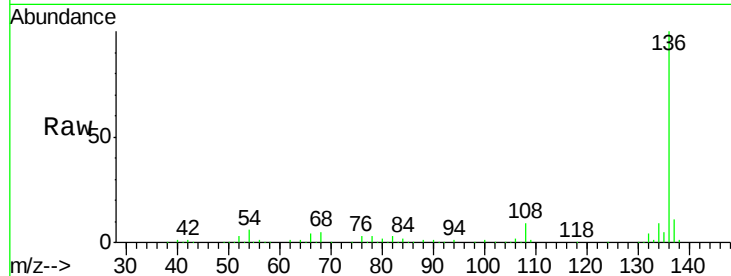




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 569
Delta R.T. -0.00 min
Lab File: BF087951.D
Acq: 12 Jun 2016 16:36

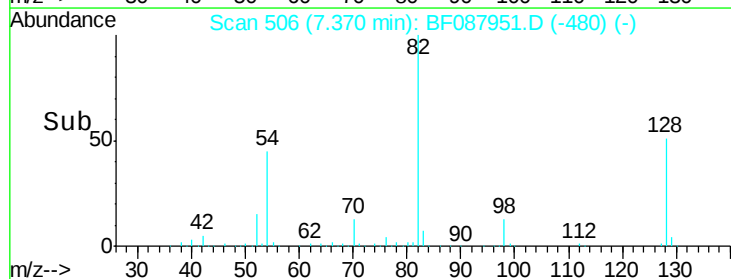
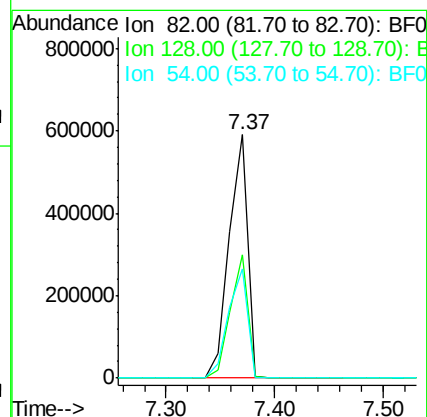
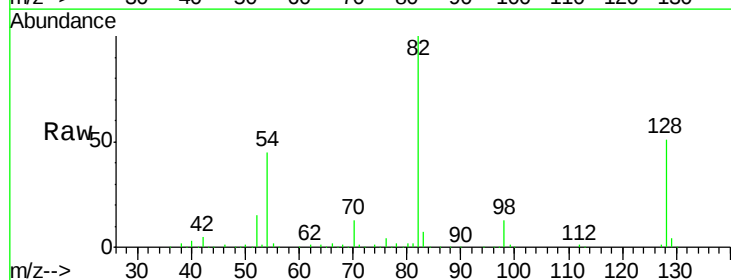
Instrument :
BNA_F
ClientSampleId :
W-37

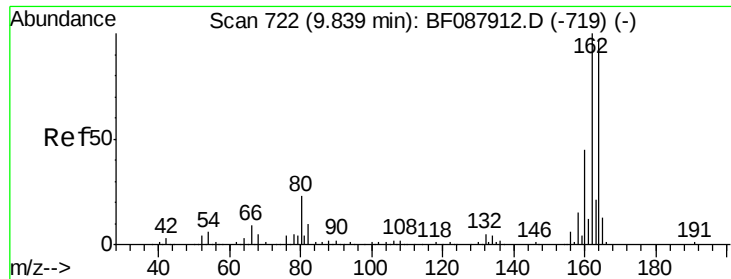
Tgt Ion:	136	Resp:	453445
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	5.6	6.6	10.0#
68	5.0	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 89.55 ng
RT: 7.37 min Scan# 506
Delta R.T. -0.00 min
Lab File: BF087951.D
Acq: 12 Jun 2016 16:36

Tgt Ion:	82	Resp:	695355
Ion	Ratio	Lower	Upper
82	100		
128	50.8	35.9	53.9
54	44.9	40.9	61.3

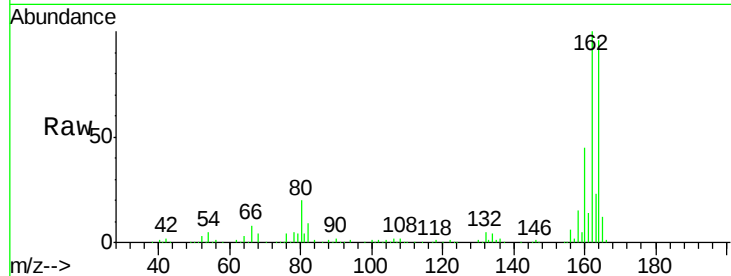




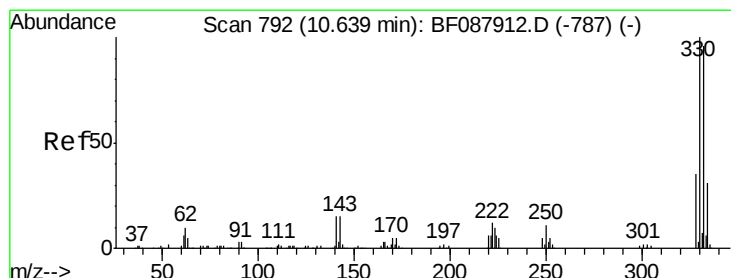
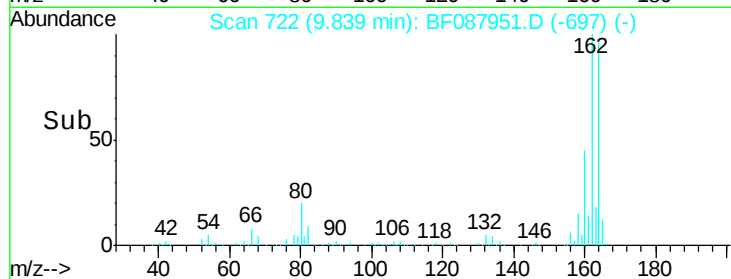
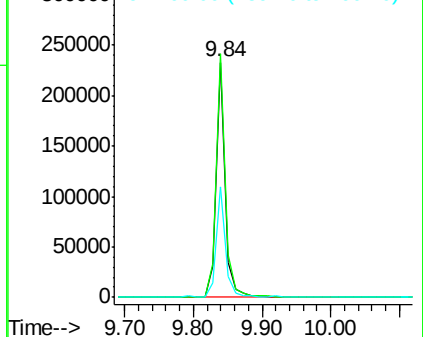
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.01 min
Lab File: BF087951.D
Acq: 12 Jun 2016 16:36

Instrument :
BNA_F
ClientSampleId :
W-37

Tgt Ion:164 Resp: 218602
Ion Ratio Lower Upper
164 100
162 103.7 85.4 128.2
160 46.9 39.5 59.3

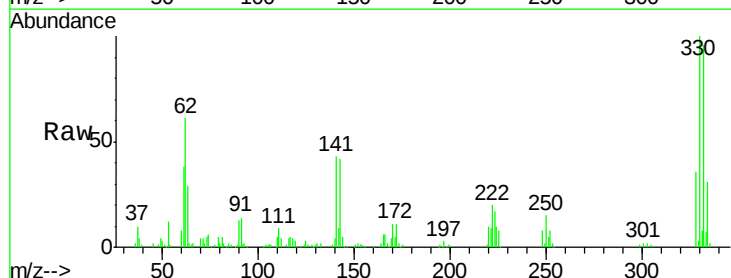


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

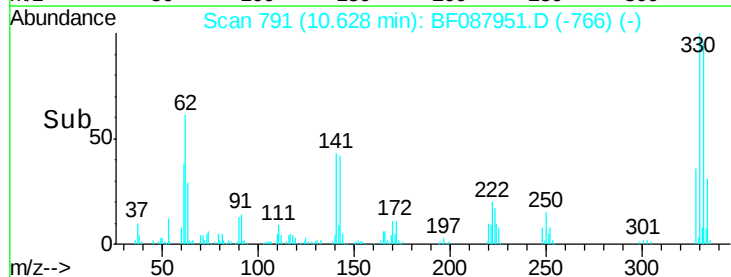
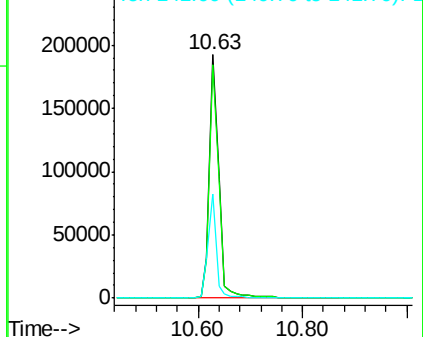


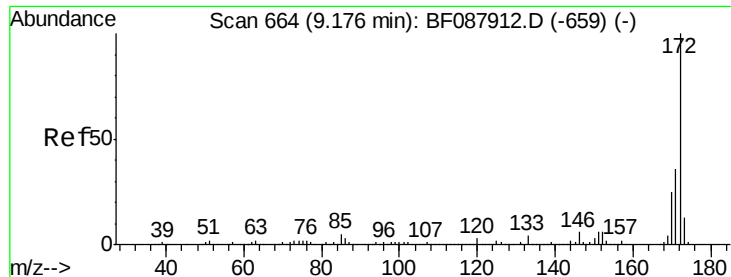
#41
2,4,6-Tribromophenol
Concen: 105.58 ng
RT: 10.63 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF087951.D
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Tgt Ion:330 Resp: 243710
Ion Ratio Lower Upper
330 100
332 95.8 0.0 0.0#
141 38.1 0.0 0.0#



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

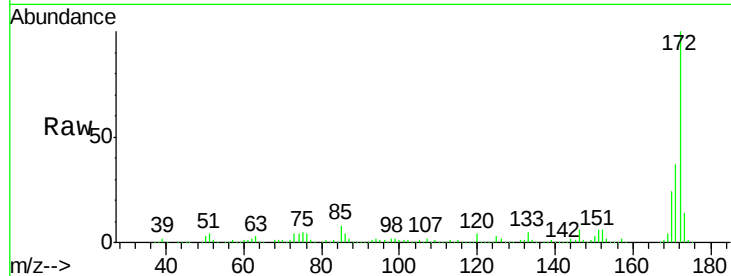




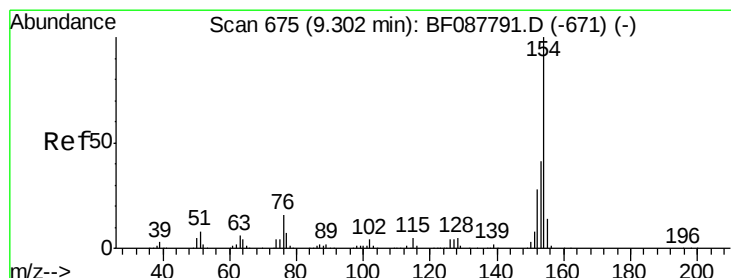
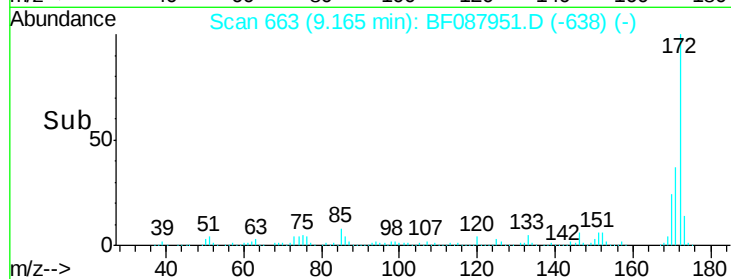
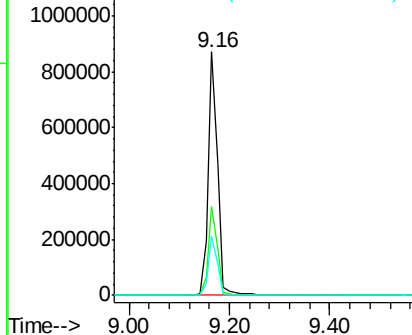
#44
 2-Fluorobiphenyl
 Concen: 80.16 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.01 min
 Lab File: BF087951.D
 Acq: 12 Jun 2016 16:36

Instrument :
 BNA_F
 ClientSampled :
 W-37

Tgt Ion:172 Resp: 1119839
 Ion Ratio Lower Upper
 172 100
 171 36.6 28.6 43.0
 170 24.4 19.2 28.8

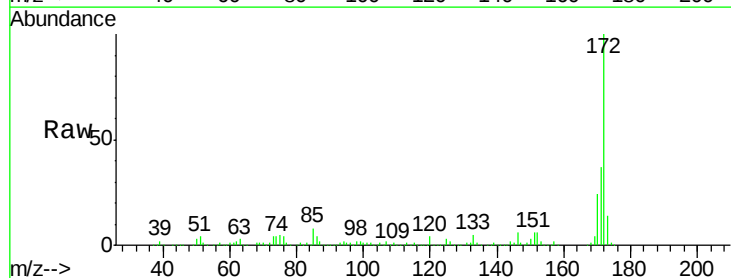


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

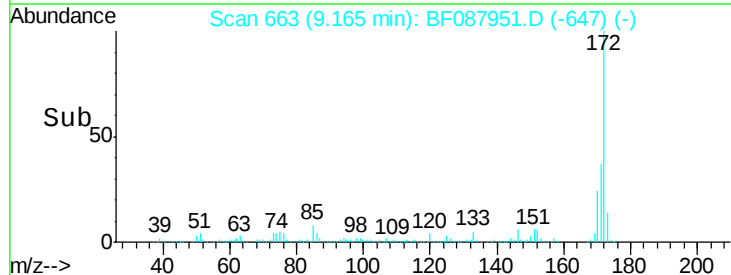
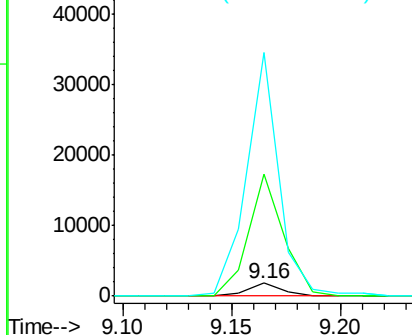


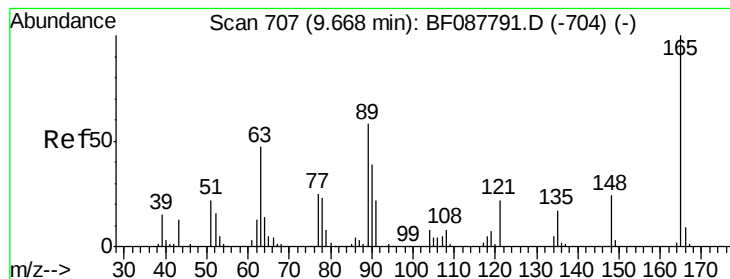
#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.16 min Scan# 663
 Delta R.T. -0.11 min
 Lab File: BF087951.D
 Acq: 12 Jun 2016 16:36

Tgt Ion:154 Resp: 1982
 Ion Ratio Lower Upper
 154 100
 153 926.0 20.6 60.6#
 76 1851.2 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: 7.56 ng

RT: 9.84 min Scan# 722

Delta R.T. 0.19 min

Lab File: BF087951.D

Acq: 12 Jun 2016 16:36

Instrument :

BNA_F

ClientSampleId :

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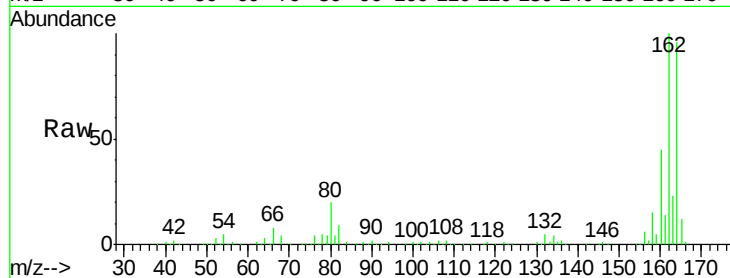
Tgt Ion:165 Resp: 27431

Ion Ratio Lower Upper

165 100

63 1.1 28.1 42.1#

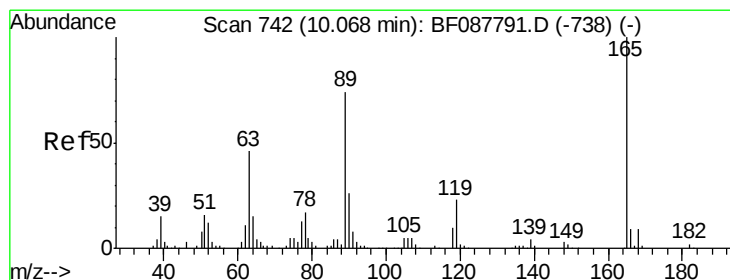
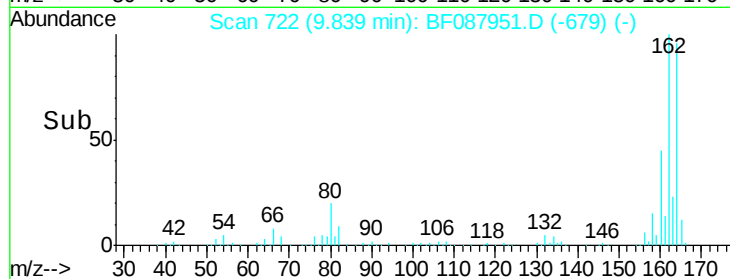
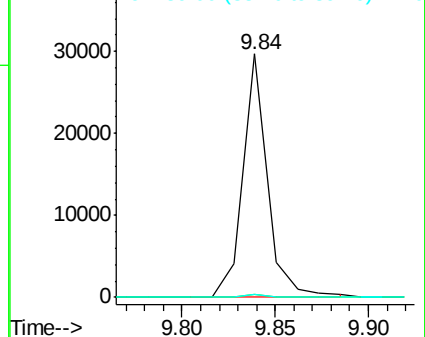
89 1.4 32.2 48.2#



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: 5.89 ng

RT: 9.84 min Scan# 722

Delta R.T. -0.21 min

Lab File: BF087951.D

Acq: 12 Jun 2016 16:36

Tgt Ion:165 Resp: 27434

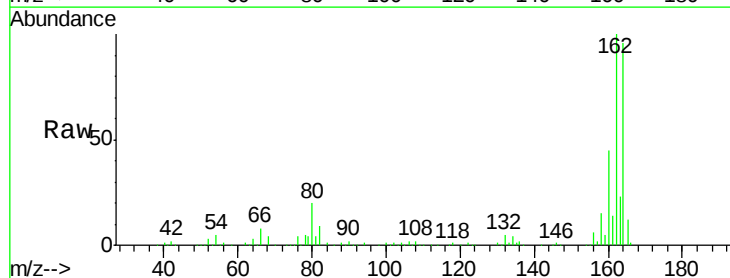
Ion Ratio Lower Upper

165 100

63 1.1 22.0 33.0#

89 1.4 41.1 61.7#

182 0.0 2.0 3.0#

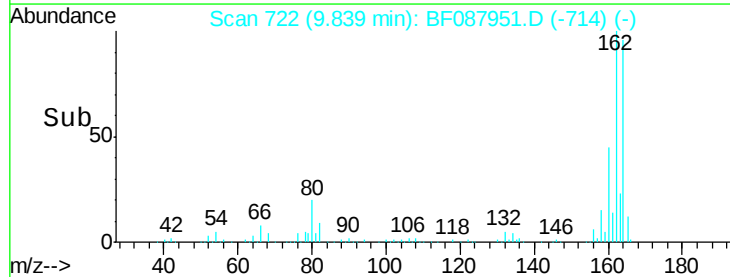
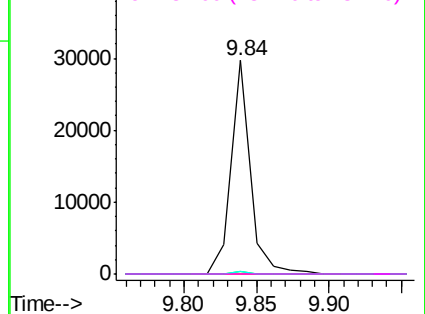


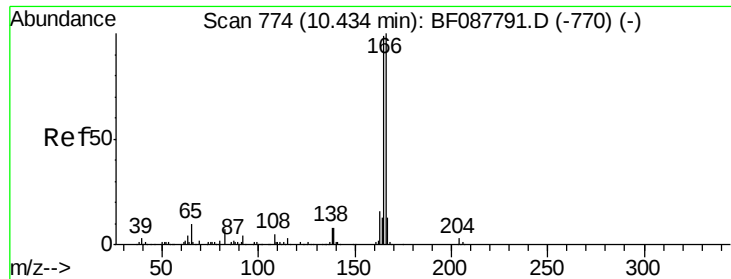
Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.63 min Scan# 791

Delta R.T. 0.23 min

Lab File: BF087951.D

Acq: 12 Jun 2016 16:36

Instrument :

BNA_F

ClientSampleId :

W-37

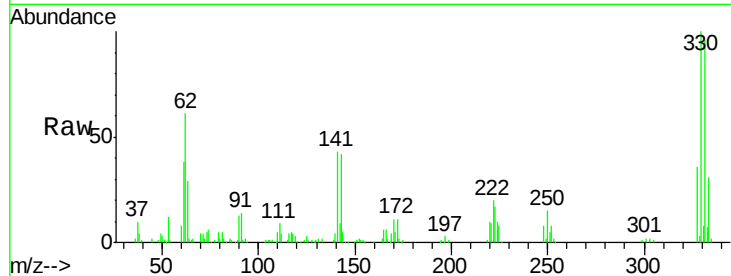
Tgt Ion:166 Resp: 11410

Ion Ratio Lower Upper

166 100

165 106.8 77.8 116.8

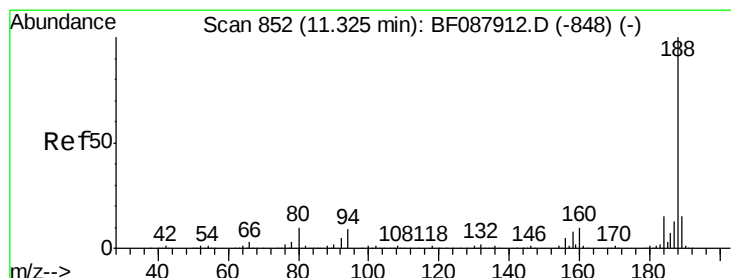
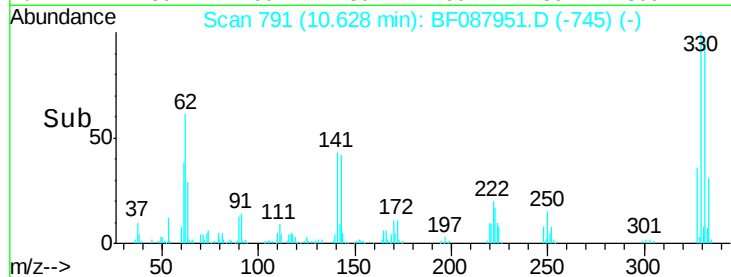
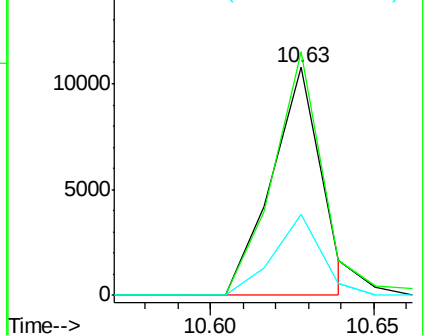
167 35.5 11.2 16.8#



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: BF087951.D

Acq: 12 Jun 2016 16:36

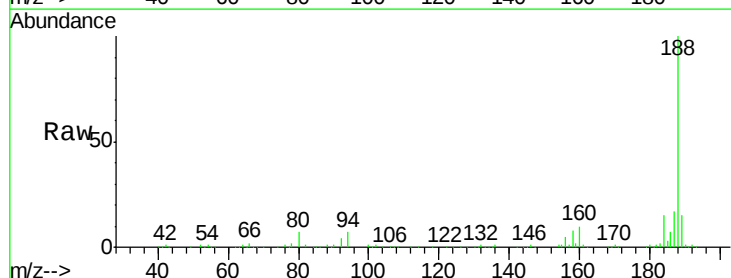
Tgt Ion:188 Resp: 411292

Ion Ratio Lower Upper

188 100

94 6.9 9.0 13.6#

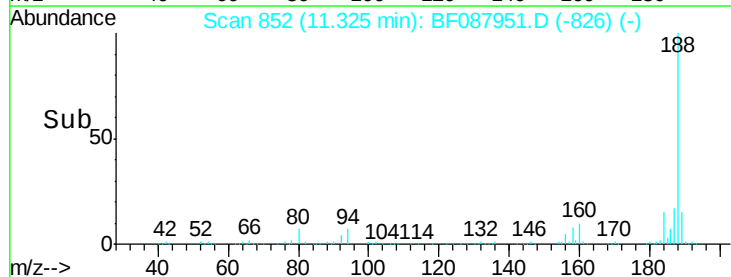
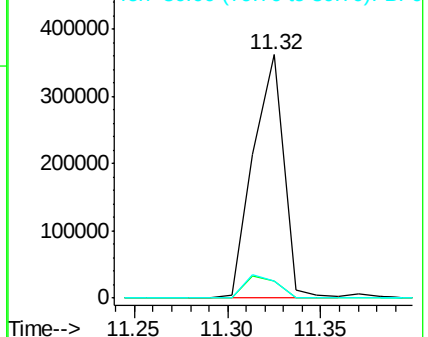
80 7.0 10.0 15.0#

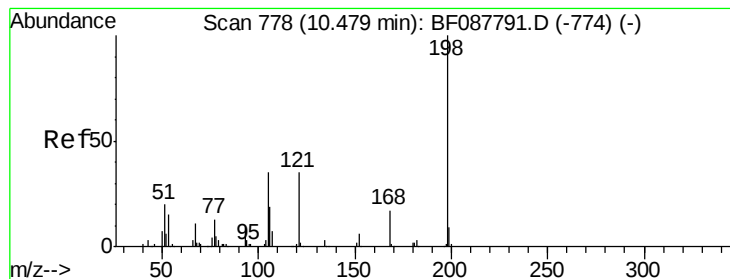


Abundance Ion 188.00 (187.70 to 188.70): E

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: BF087951.D

Acq: 12 Jun 2016 16:36

Instrument :

BNA_F

ClientSampleId :

W-37

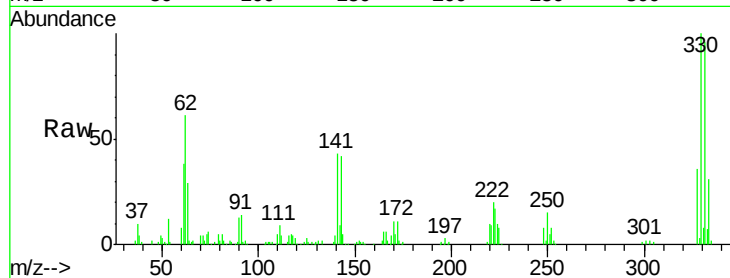
Tgt Ion:198 Resp: 381

Ion Ratio Lower Upper

198 100

51 194.2 39.6 79.6#

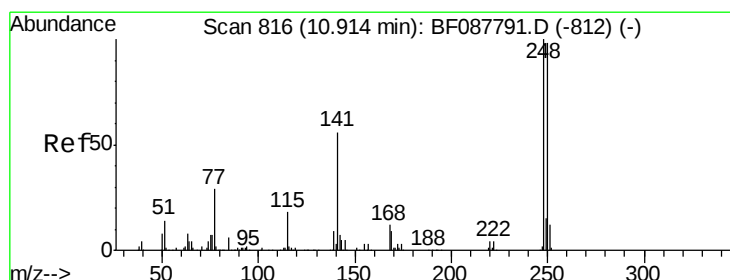
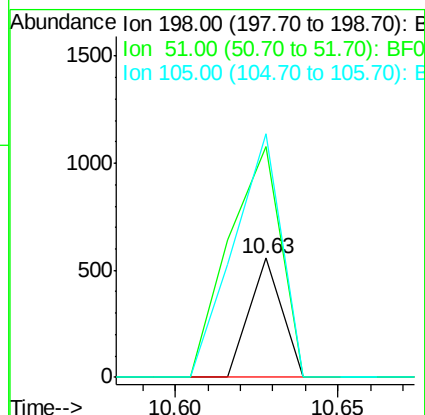
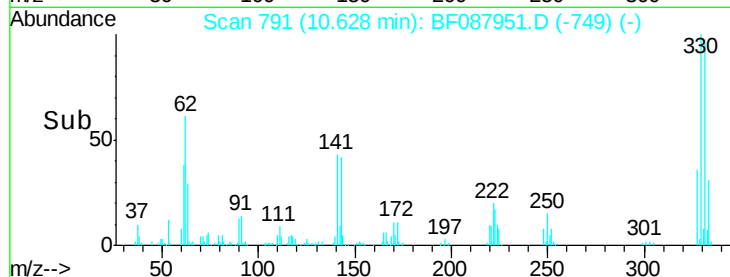
105 204.5 36.6 76.6#



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: 3.43 ng

RT: 10.63 min Scan# 791

Delta R.T. -0.25 min

Lab File: BF087951.D

Acq: 12 Jun 2016 16:36

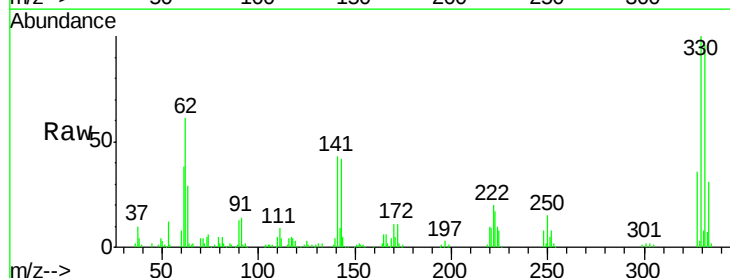
Tgt Ion:248 Resp: 15142

Ion Ratio Lower Upper

248 100

250 199.9 77.1 115.7#

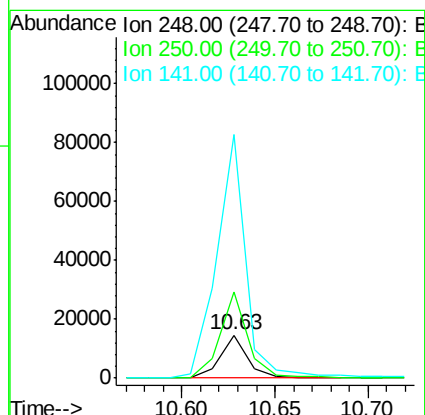
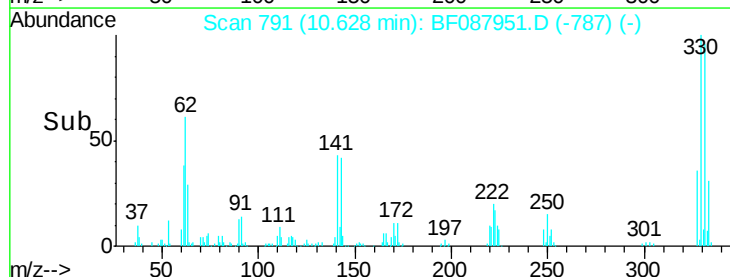
141 563.8 50.6 76.0#

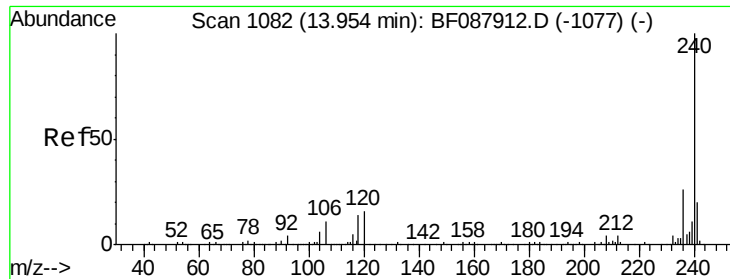


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF087951.D

Acq: 12 Jun 2016 16:36

Instrument :

BNA_F

ClientSampleId :

W-37

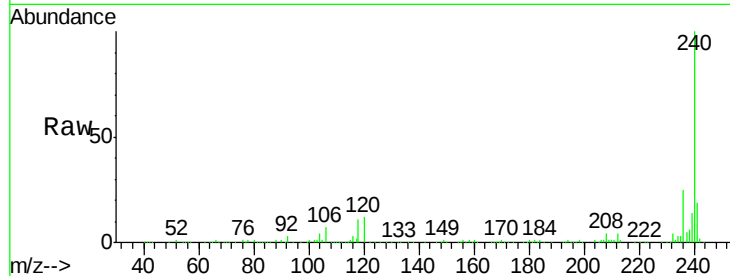
Tgt Ion:240 Resp: 317288

Ion Ratio Lower Upper

240 100

120 11.7 6.8 10.2#

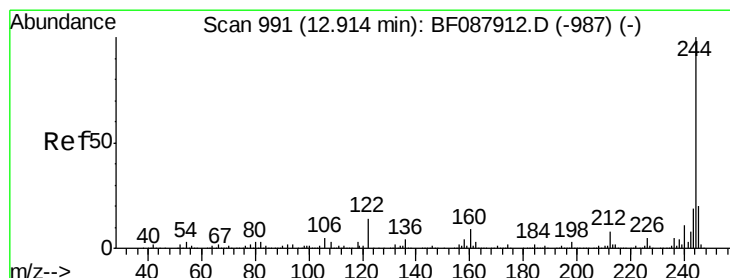
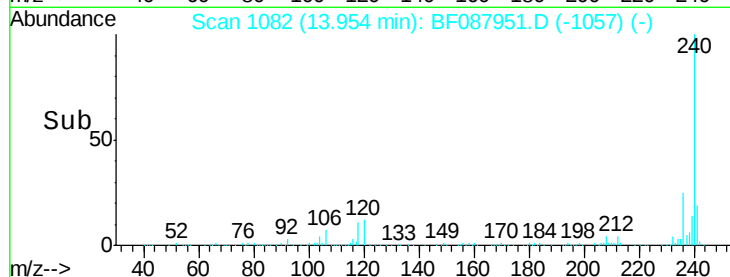
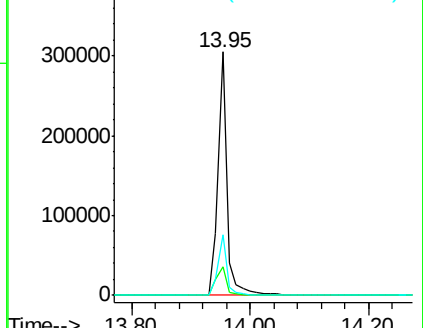
236 25.1 20.2 30.2



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: 74.43 ng

RT: 12.91 min Scan# 991

Delta R.T. -0.01 min

Lab File: BF087951.D

Acq: 12 Jun 2016 16:36

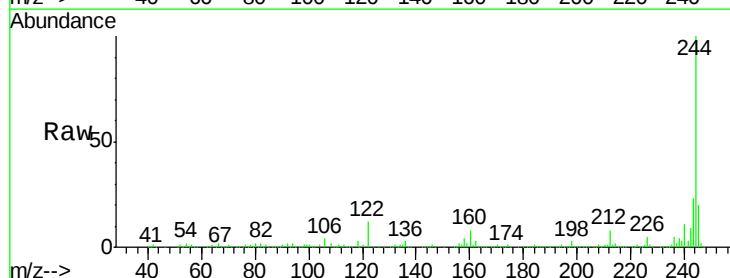
Tgt Ion:244 Resp: 1037848

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

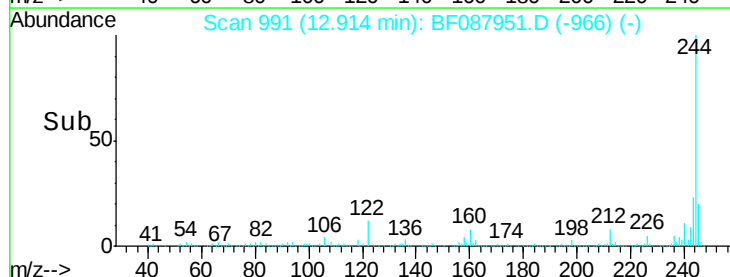
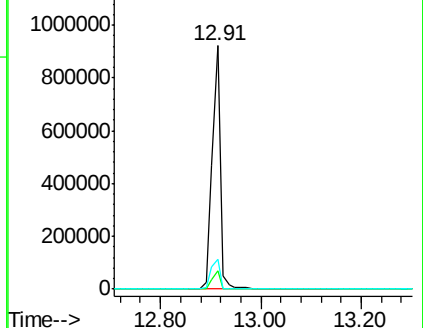
122 12.3 11.2 16.8

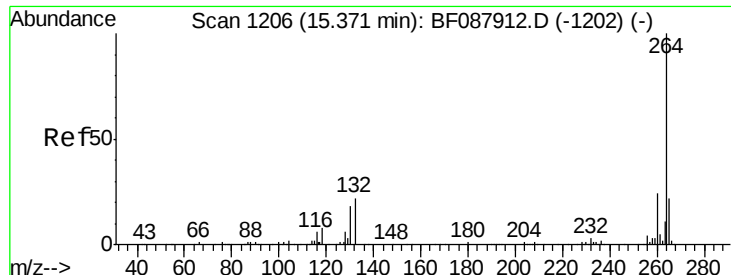


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

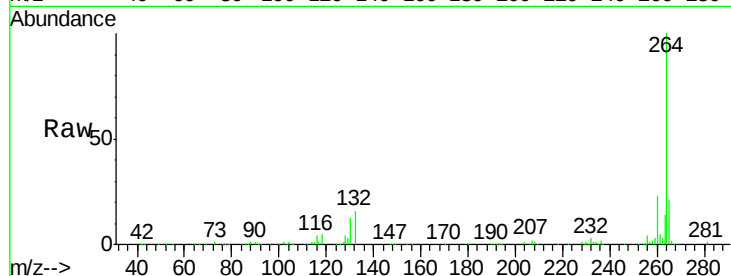




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF087951.D
Acq: 12 Jun 2016 16:36

Instrument :
BNA_F
ClientSampleId :
W-37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.2	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

