

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061516\
 Data File : BF088045.D
 Acq On : 15 Jun 2016 20:37
 Operator : UM/SJ
 Sample : H3609-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 181-04-SE-06142016

Quant Time: Jun 16 03:09:17 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 14:10:49 2016
 Response via : Initial Calibration

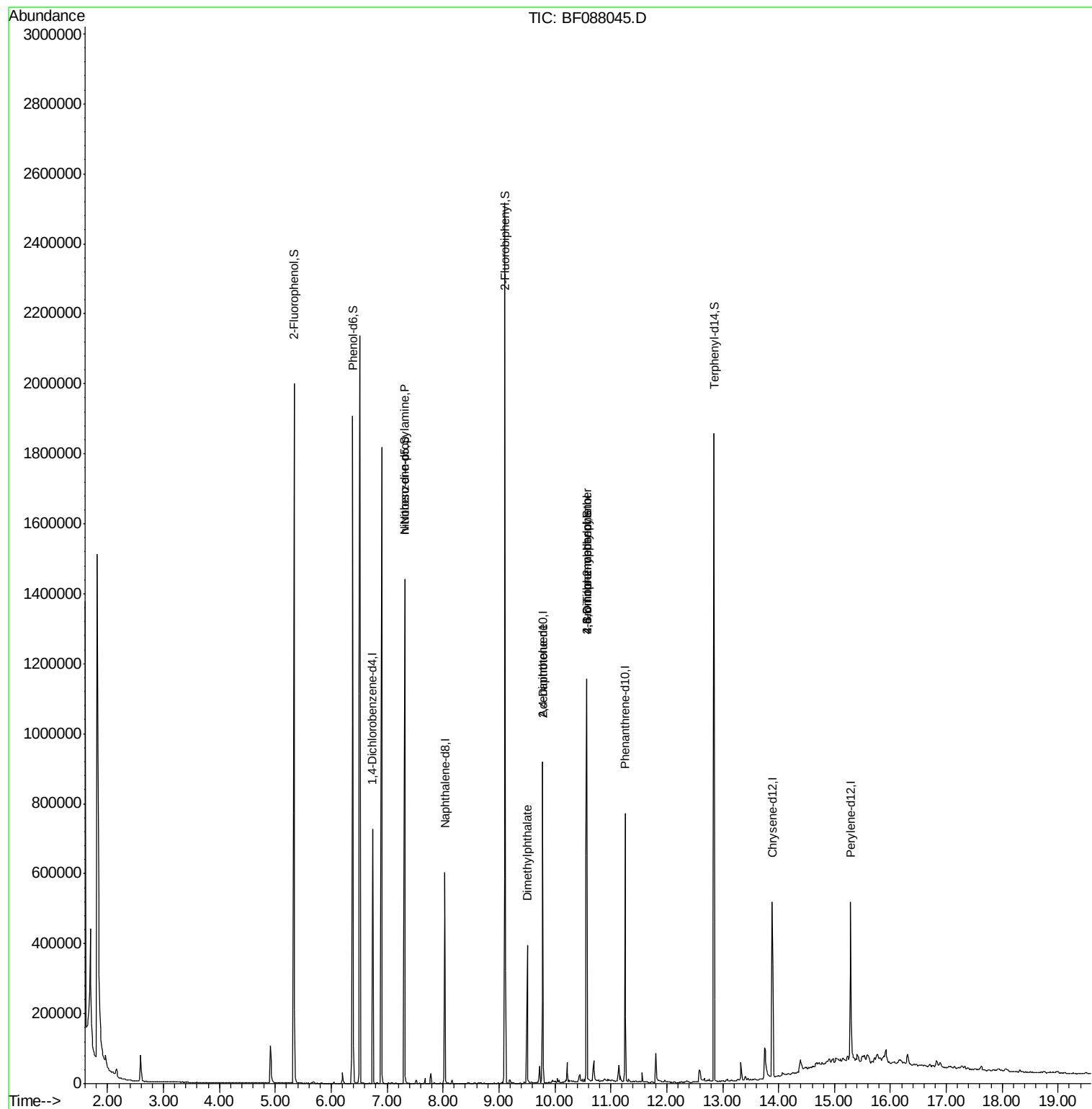
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	105871	20.00	ng	-0.05
21) Naphthalene-d8	8.03	136	395168	20.00	ng	-0.05
38) Acenaphthene-d10	9.78	164	178009	20.00	ng	-0.06
63) Phenanthrene-d10	11.26	188	269677	20.00	ng	-0.06
75) Chrysene-d12	13.89	240	204665	20.00	ng	-0.07
86) Perylene-d12	15.29	264	200260	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	633064	102.22	ng	-0.05
7) Phenol-d6	6.39	99	811292	108.10	ng	-0.05
23) Nitrobenzene-d5	7.31	82	558741	82.57	ng	-0.05
41) 2,4,6-Tribromophenol	10.57	330	158428	84.29	ng	-0.06
44) 2-Fluorobiphenyl	9.11	172	805747	70.14	ng	-0.06
78) Terphenyl-d14	12.85	244	568666	63.23	ng	-0.06
Target Compounds						
10) Phenol	6.40	94	16071	Below Cal		Qvalue 100
19) n-Nitroso-di-n-propylamine	7.31	70	72862	15.18 ng	#	70
45) 1,1'-Biphenyl	9.11	154	1545	Below Cal	#	1
49) Dimethylphthalate	9.51	163	196850	15.27 ng		98
56) 2,4-Dinitrotoluene	9.78	165	22531	5.94 ng	#	37
57) Fluorene	10.57	166	8895	Below Cal	#	92
64) 4,6-Dinitro-2-methylphenol	10.57	198	289	2.33 ng	#	2
66) 4-Bromophenyl-phenylether	10.57	248	11081	3.83 ng	#	1

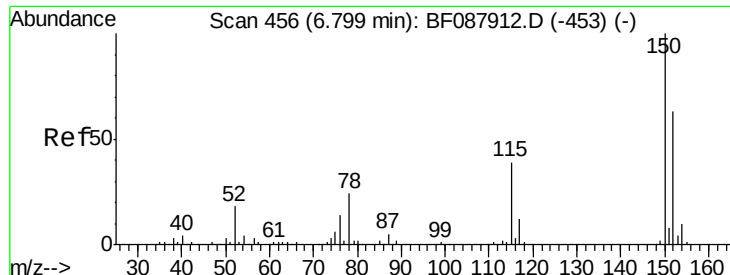
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061516\
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 451

Delta R.T. -0.05 min

Lab File: BF088045.D

Acq: 15 Jun 2016 20:37

Instrument :

BNA_F

ClientSampleId :

181-04-SE-06142016

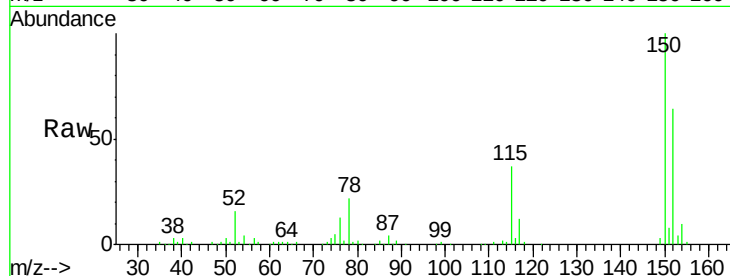
Tgt Ion:152 Resp: 105871

Ion Ratio Lower Upper

152 100

150 156.6 123.8 185.6

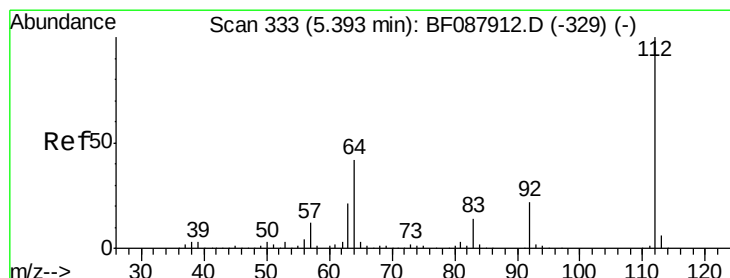
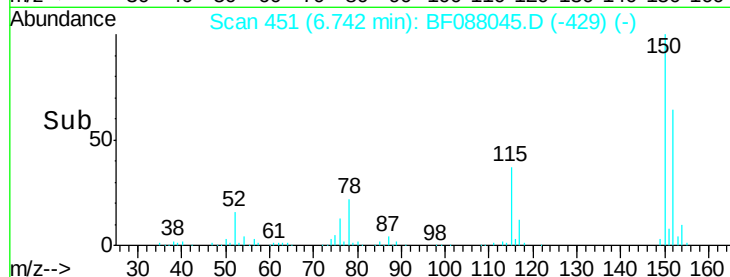
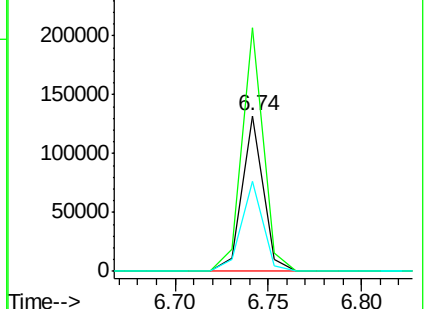
115 58.0 39.6 59.4



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: 102.22 ng

RT: 5.34 min Scan# 328

Delta R.T. -0.05 min

Lab File: BF088045.D

Acq: 15 Jun 2016 20:37

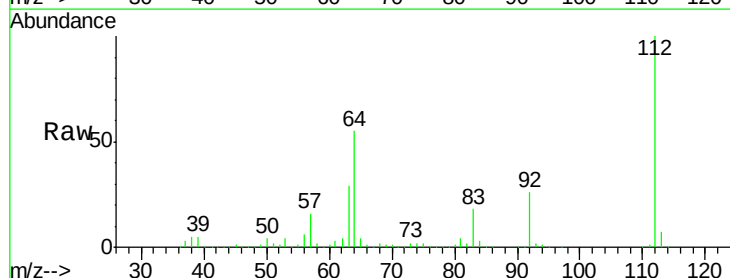
Tgt Ion:112 Resp: 633064

Ion Ratio Lower Upper

112 100

64 55.1 42.2 63.2

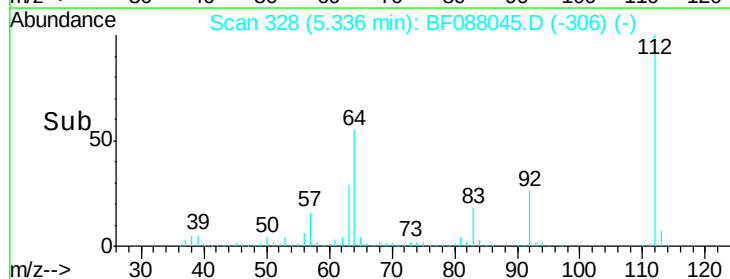
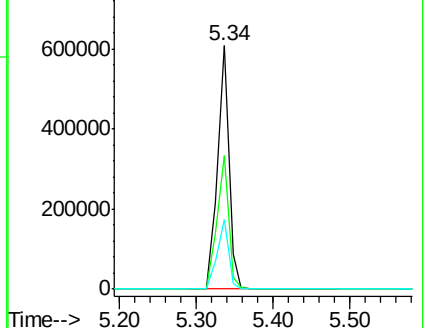
63 28.5 21.8 32.8

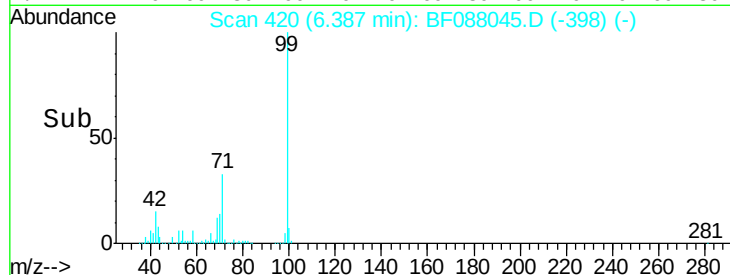
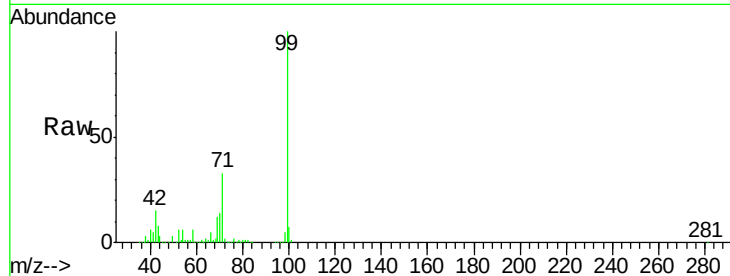
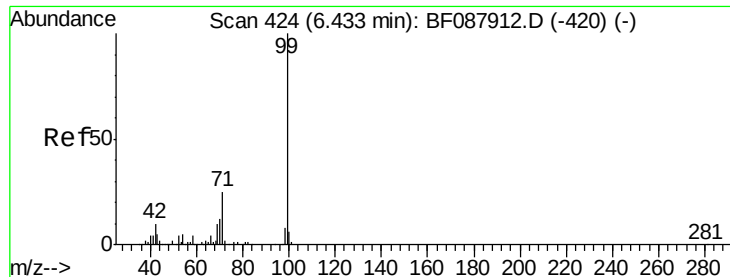


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 108.10 ng

RT: 6.39 min Scan# 420

Delta R.T. -0.05 min

Lab File: BF088045.D

Acq: 15 Jun 2016 20:37

Instrument :

BNA_F

ClientSampleId :

181-04-SE-06142016

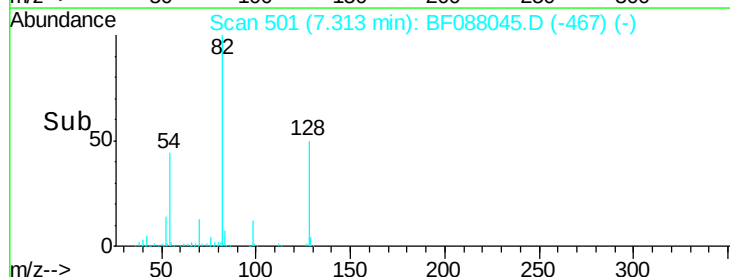
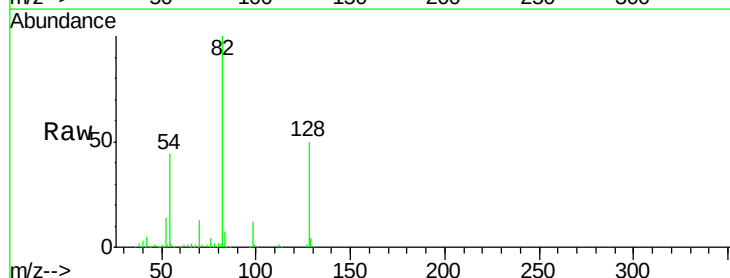
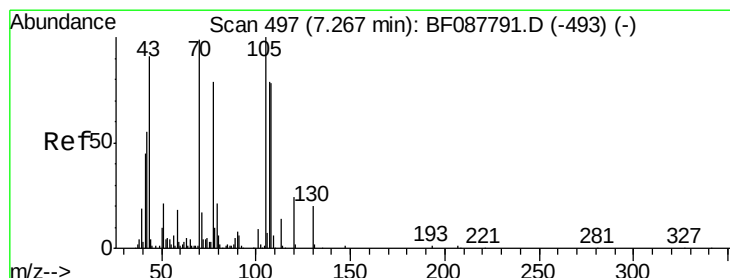
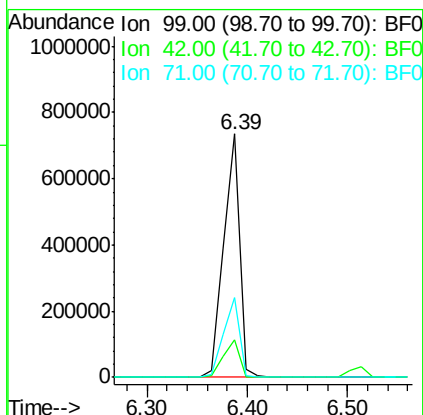
Tgt Ion: 99 Resp: 811292

Ion Ratio Lower Upper

99 100

42 15.2 12.2 18.2

71 32.6 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.18 ng

RT: 7.31 min Scan# 501

Delta R.T. 0.09 min

Lab File: BF088045.D

Acq: 15 Jun 2016 20:37

Tgt Ion: 70 Resp: 72862

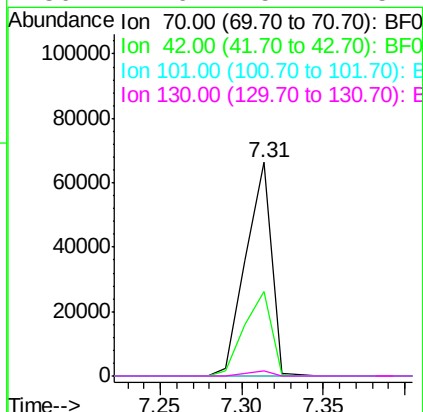
Ion Ratio Lower Upper

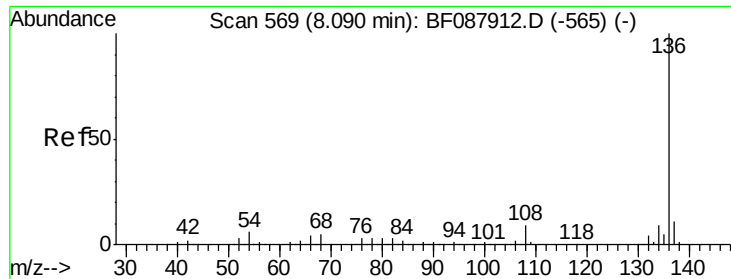
70 100

42 39.4 49.6 74.4#

101 0.0 7.1 10.7#

130 2.6 15.4 23.2#

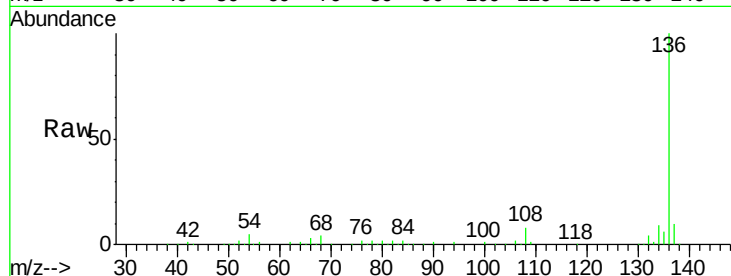




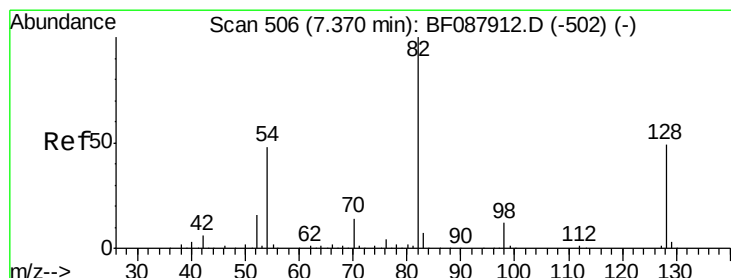
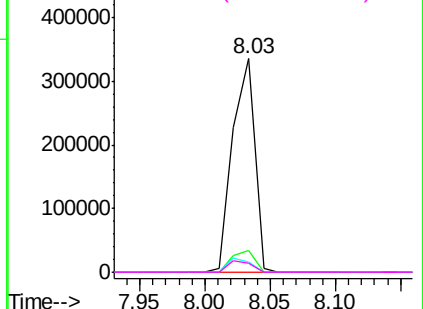
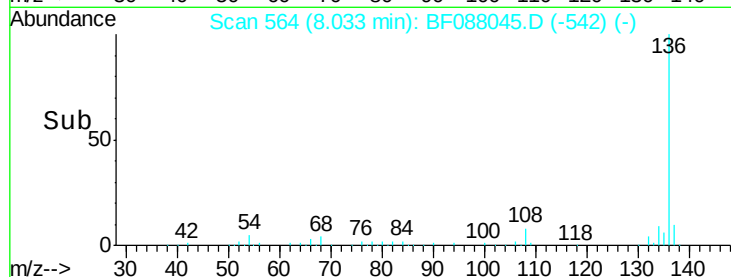
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 564
Delta R.T. -0.05 min
Lab File: BF088045.D
Acq: 15 Jun 2016 20:37

Instrument :
BNA_F
ClientSampleId :
181-04-SE-06142016

Tgt Ion: 136 Resp: 395168
Ion Ratio Lower Upper
136 100
137 10.5 9.1 13.7
54 4.8 6.6 10.0#
68 4.2 5.1 7.7#

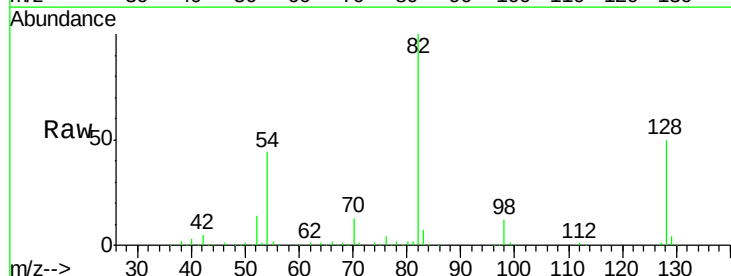


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

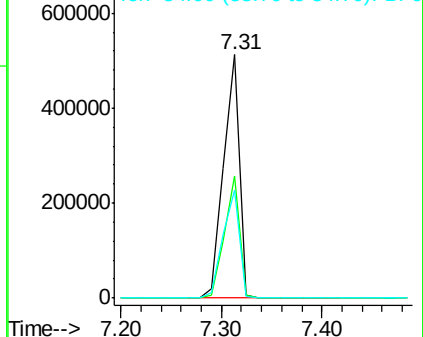
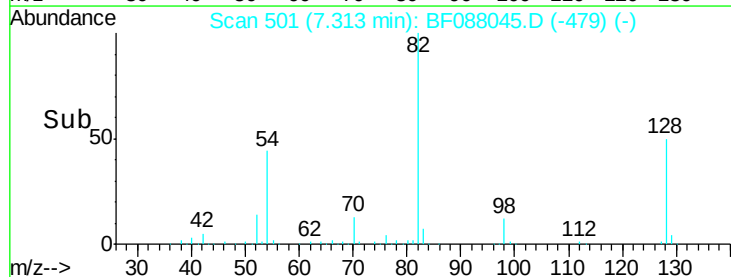


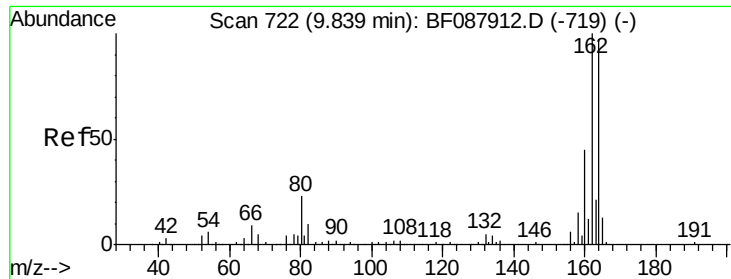
#23
Nitrobenzene-d5
Concen: 82.57 ng
RT: 7.31 min Scan# 501
Delta R.T. -0.05 min
Lab File: BF088045.D
Acq: 15 Jun 2016 20:37

Tgt Ion: 82 Resp: 558741
Ion Ratio Lower Upper
82 100
128 50.2 35.9 53.9
54 44.2 40.9 61.3



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

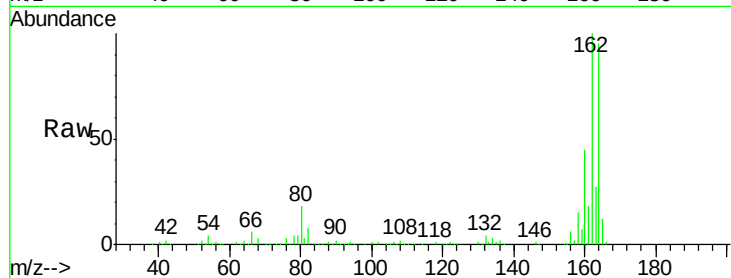




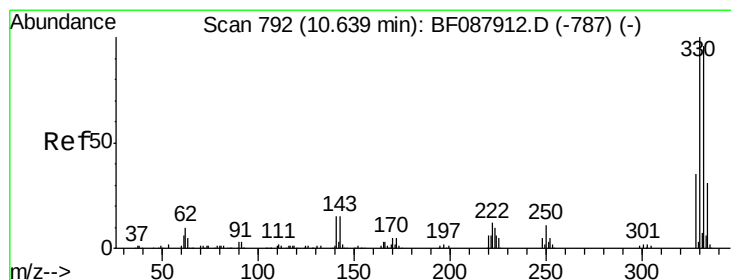
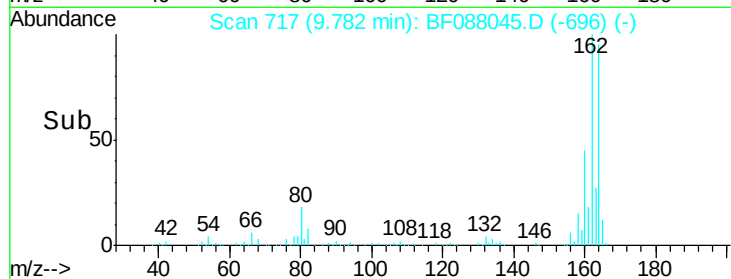
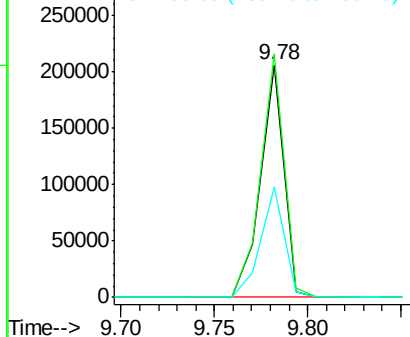
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 717
Delta R.T. -0.06 min
Lab File: BF088045.D
Acq: 15 Jun 2016 20:37

Instrument :
BNA_F
ClientSampleId :
181-04-SE-06142016

Tgt Ion:164 Resp: 178009
Ion Ratio Lower Upper
164 100
162 104.8 85.4 128.2
160 47.6 39.5 59.3

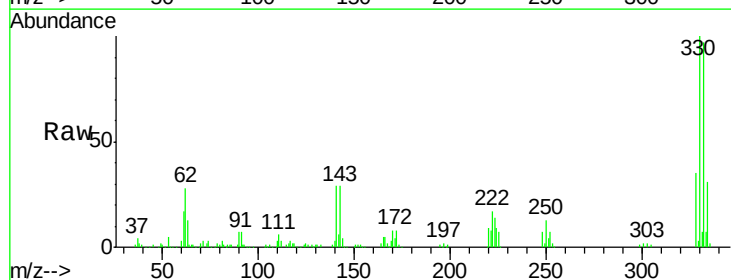


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

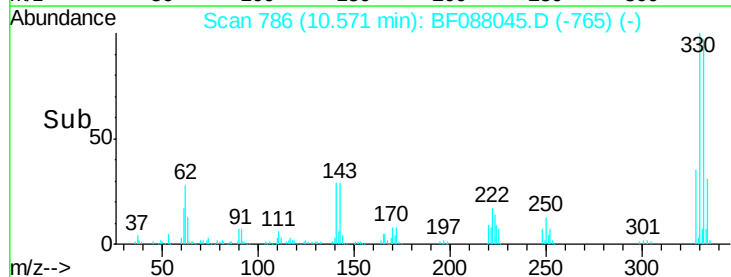
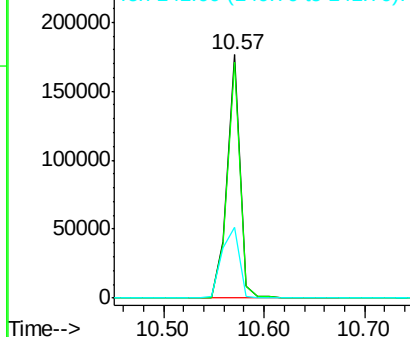


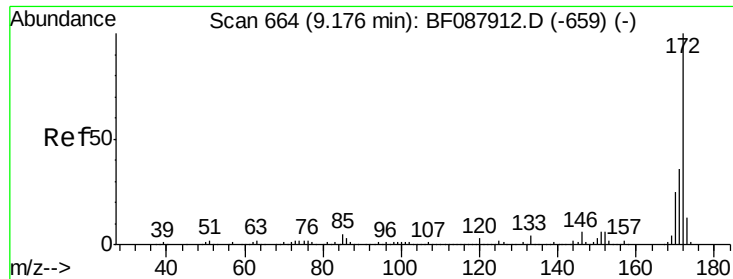
#41
2,4,6-Tribromophenol
Concen: 84.29 ng
RT: 10.57 min Scan# 786
Delta R.T. -0.06 min
Lab File: BF088045.D
Acq: 15 Jun 2016 20:37

Tgt Ion:330 Resp: 158428
Ion Ratio Lower Upper
330 100
332 96.6 0.0 0.0#
141 39.6 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

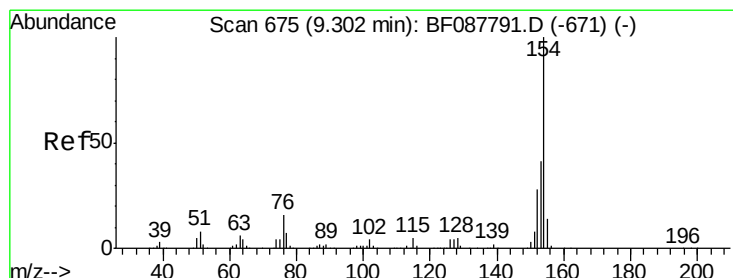
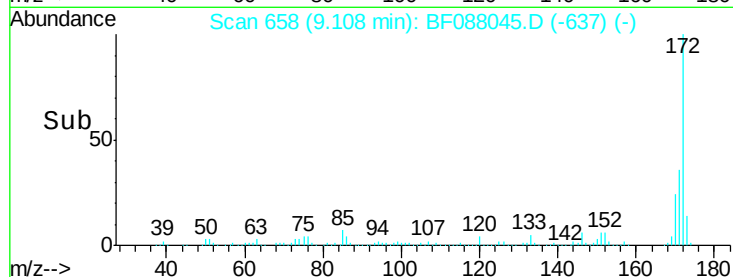
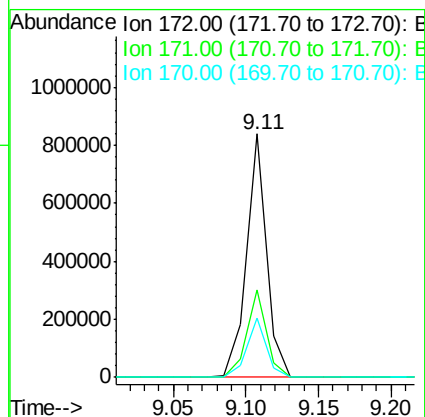
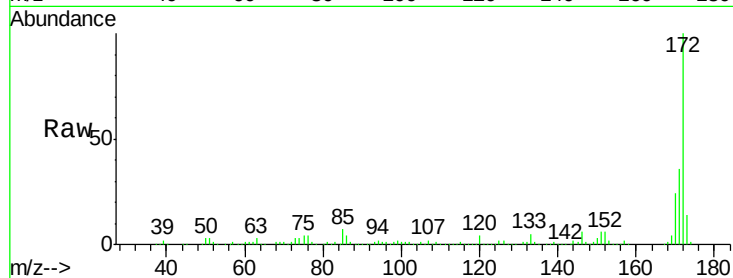




#44
 2-Fluorobiphenyl
 Concen: 70.14 ng
 RT: 9.11 min Scan# 658
 Delta R.T. -0.06 min
 Lab File: BF088045.D
 Acq: 15 Jun 2016 20:37

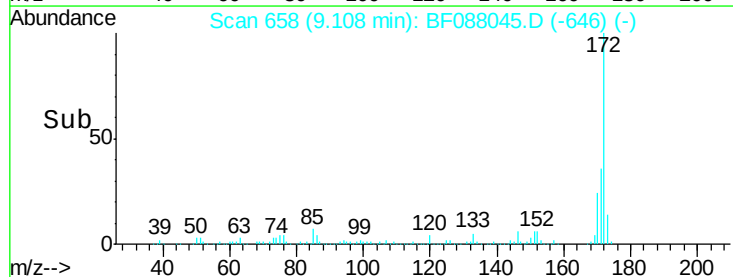
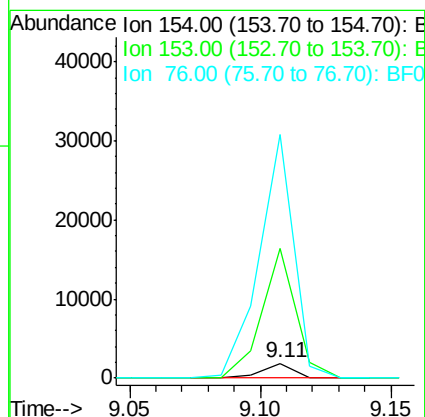
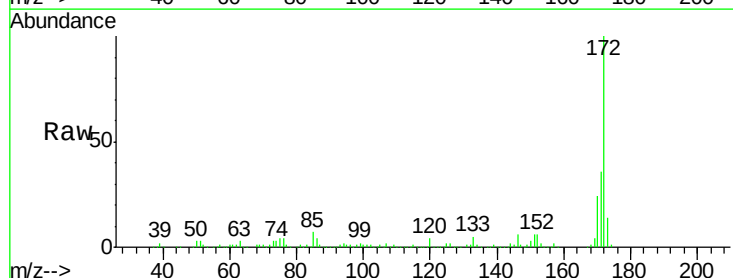
Instrument :
 BNA_F
 ClientSampleId :
 181-04-SE-06142016

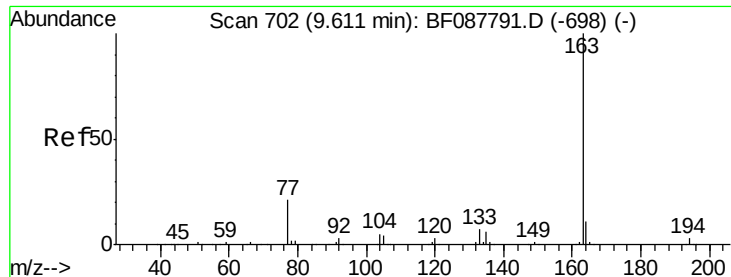
Tgt Ion:172 Resp: 805747
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.6 43.0
 170 24.3 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.11 min Scan# 658
 Delta R.T. -0.16 min
 Lab File: BF088045.D
 Acq: 15 Jun 2016 20:37

Tgt Ion:154 Resp: 1545
 Ion Ratio Lower Upper
 154 100
 153 877.5 20.6 60.6#
 76 1647.1 0.0 35.1#





#49

Dimethylphthalate

Concen: 15.27 ng

RT: 9.51 min Scan# 693

Delta R.T. -0.06 min

Lab File: BF088045.D

Acq: 15 Jun 2016 20:37

Instrument :

BNA_F

ClientSampleId :

181-04-SE-06142016

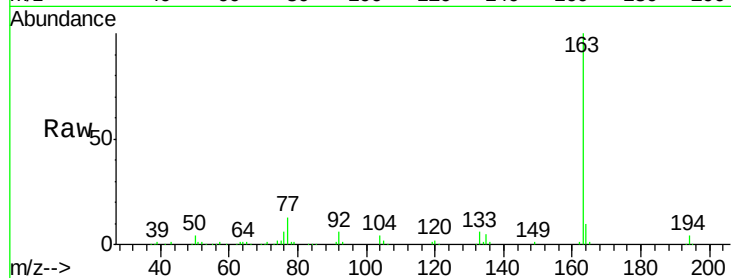
Tgt Ion:163 Resp: 196850

Ion Ratio Lower Upper

163 100

194 3.7 2.8 4.2

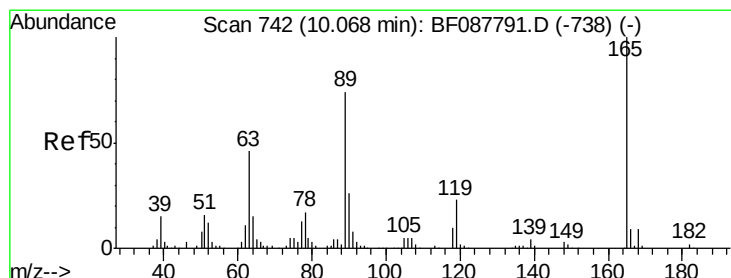
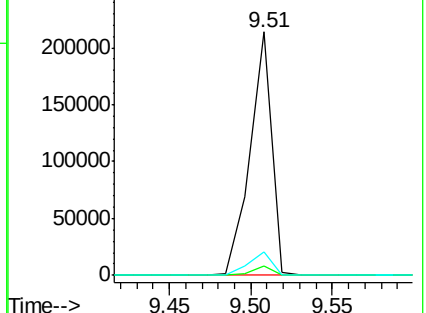
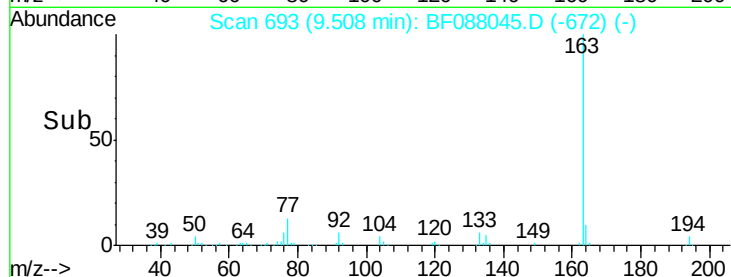
164 9.7 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 5.94 ng

RT: 9.78 min Scan# 717

Delta R.T. -0.25 min

Lab File: BF088045.D

Acq: 15 Jun 2016 20:37

Tgt Ion:165 Resp: 22531

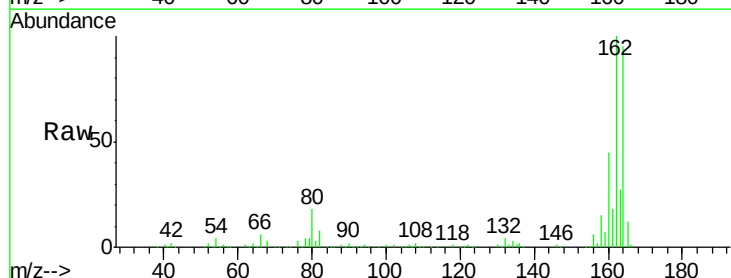
Ion Ratio Lower Upper

165 100

63 1.2 22.0 33.0#

89 1.2 41.1 61.7#

182 0.0 2.0 3.0#

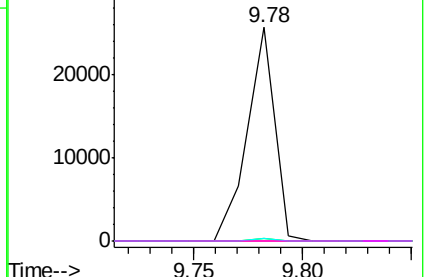
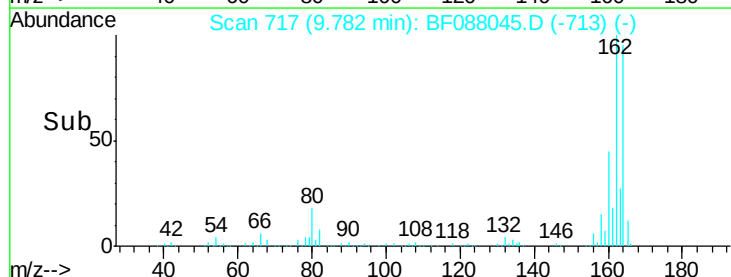


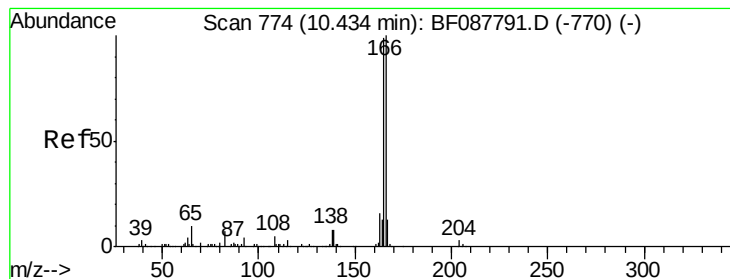
Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.57 min Scan# 786

Delta R.T. 0.18 min

Lab File: BF088045.D

Acq: 15 Jun 2016 20:37

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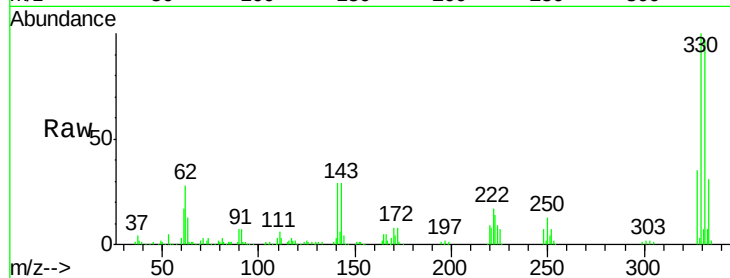
Tgt Ion:166 Resp: 8895

Ion Ratio Lower Upper

166 100

165 99.0 77.8 116.8

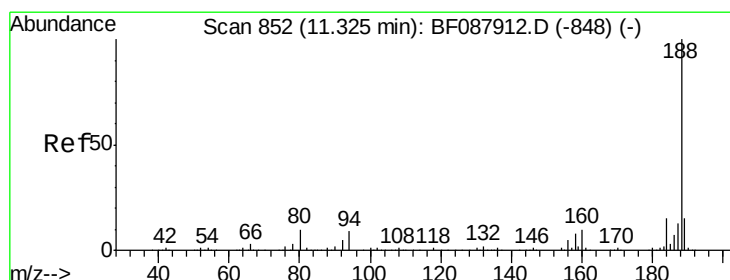
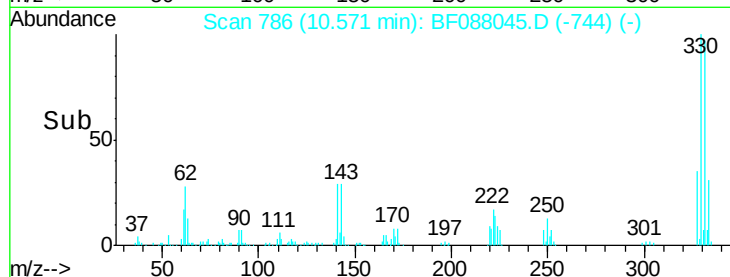
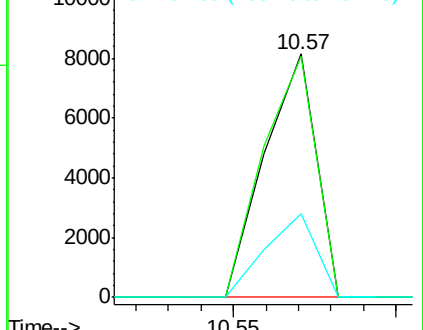
167 34.1 11.2 16.8#



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: 11.26 min Scan# 846

Delta R.T. -0.06 min

Lab File: BF088045.D

Acq: 15 Jun 2016 20:37

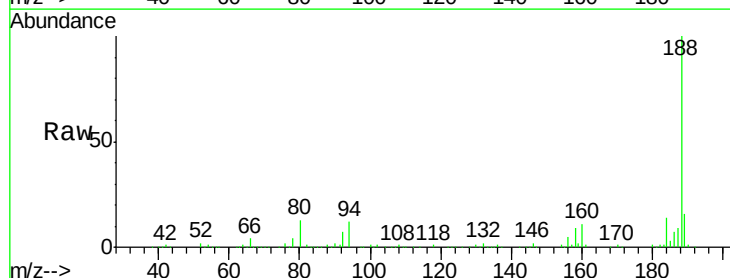
Tgt Ion:188 Resp: 269677

Ion Ratio Lower Upper

188 100

94 12.3 9.0 13.6

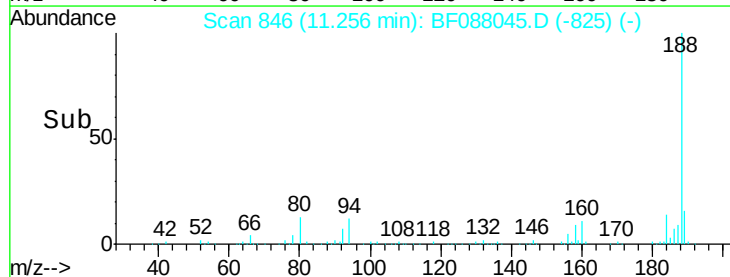
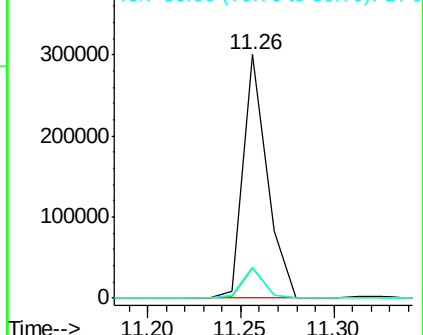
80 13.1 10.0 15.0

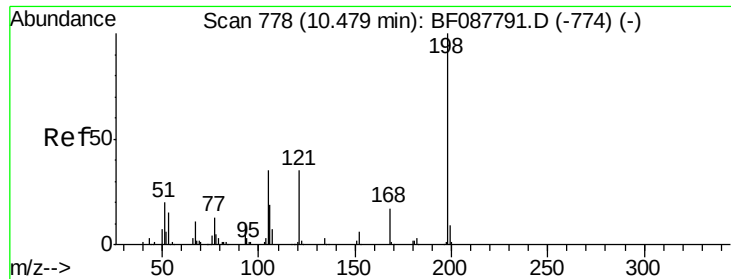


Abundance Ion 188.00 (187.70 to 188.70): E

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: 2.33 ng

RT: 10.57 min Scan# 786

Delta R.T. 0.14 min

Lab File: BF088045.D

Acq: 15 Jun 2016 20:37

Instrument :

BNA_F

ClientSampleId :

181-04-SE-06142016

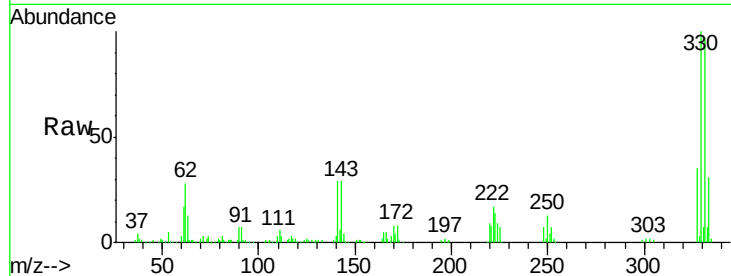
Tgt Ion:198 Resp: 289

Ion Ratio Lower Upper

198 100

51 105.7 39.6 79.6#

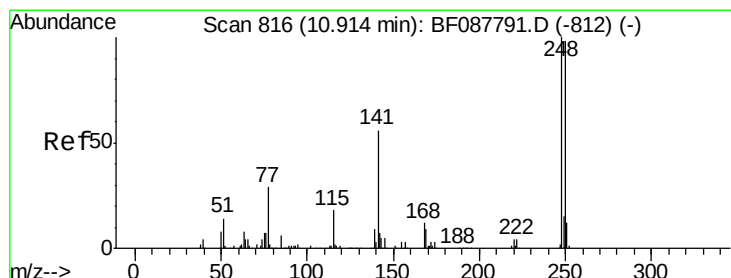
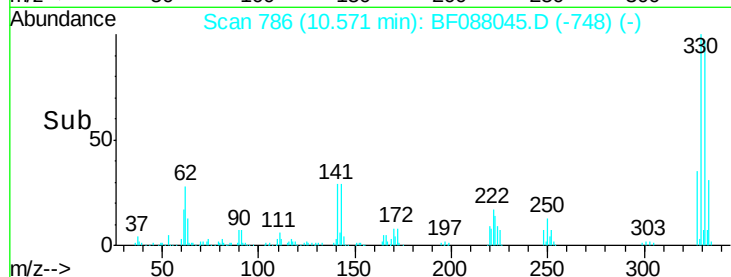
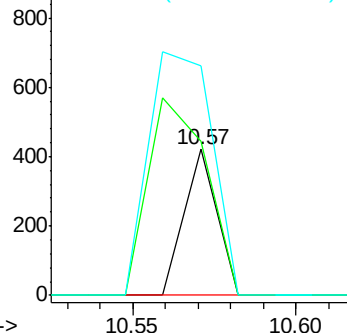
105 157.0 36.6 76.6#



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: 3.83 ng

RT: 10.57 min Scan# 786

Delta R.T. -0.30 min

Lab File: BF088045.D

Acq: 15 Jun 2016 20:37

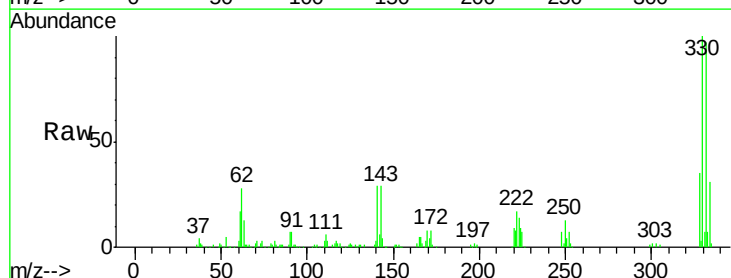
Tgt Ion:248 Resp: 11081

Ion Ratio Lower Upper

248 100

250 195.6 77.1 115.7#

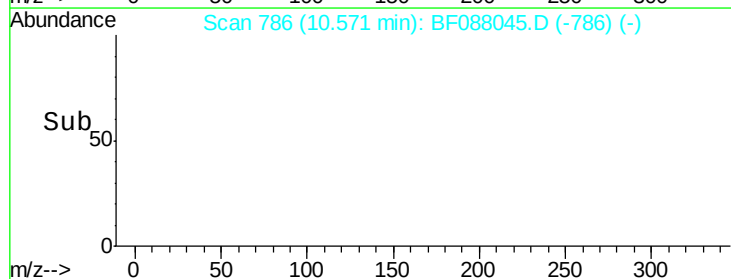
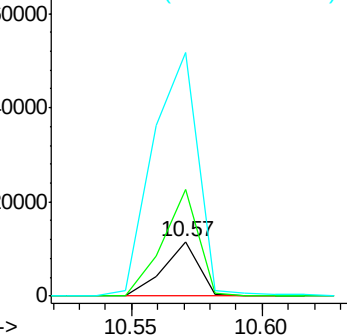
141 447.6 50.6 76.0#

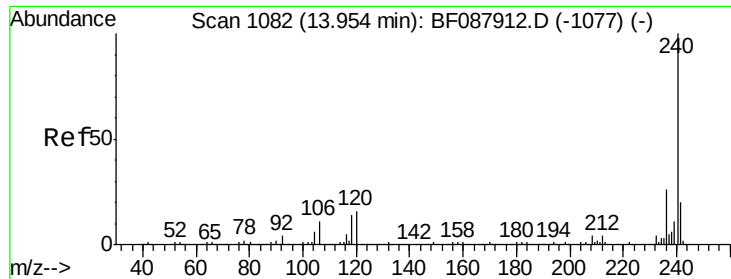


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.89 min Scan# 1076

Delta R.T. -0.07 min

Lab File: BF088045.D

Acq: 15 Jun 2016 20:37

Instrument :

BNA_F

ClientSampleId :

181-04-SE-06142016

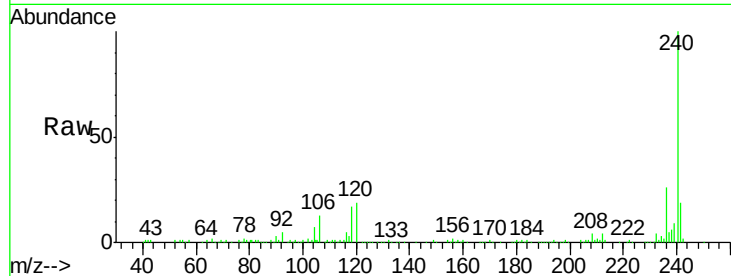
Tgt Ion:240 Resp: 204665

Ion Ratio Lower Upper

240 100

120 18.7 6.8 10.2#

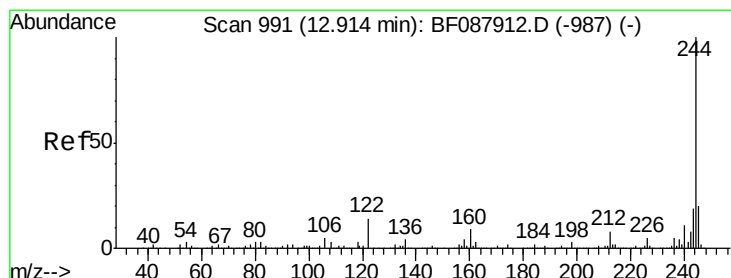
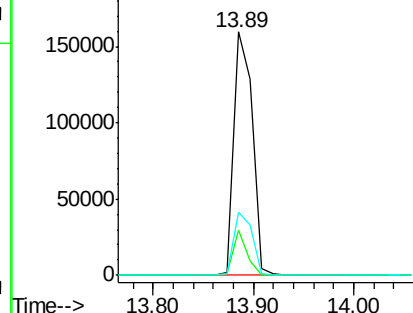
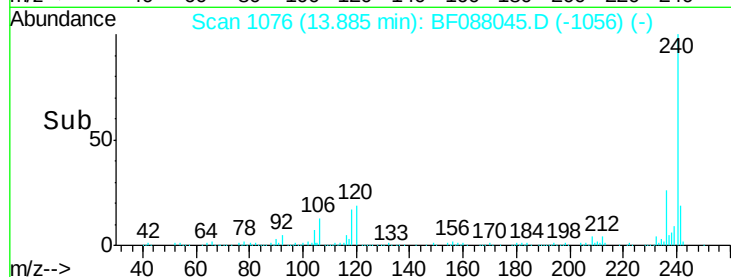
236 25.8 20.2 30.2



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: 63.23 ng

RT: 12.85 min Scan# 985

Delta R.T. -0.06 min

Lab File: BF088045.D

Acq: 15 Jun 2016 20:37

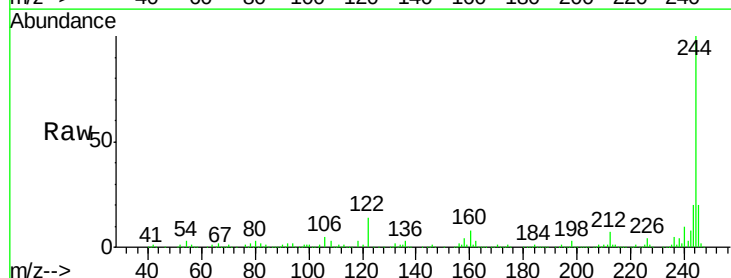
Tgt Ion:244 Resp: 568666

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

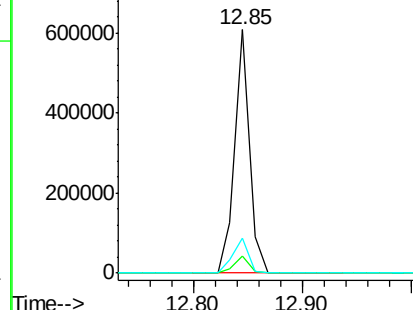
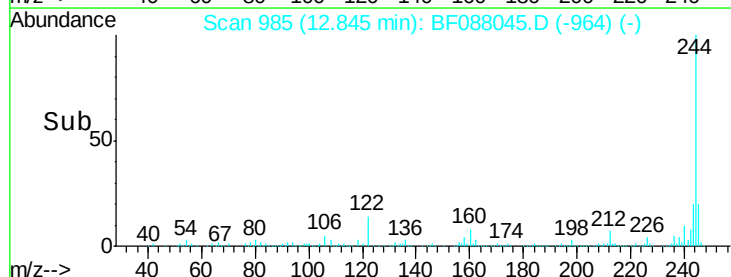
122 14.3 11.2 16.8

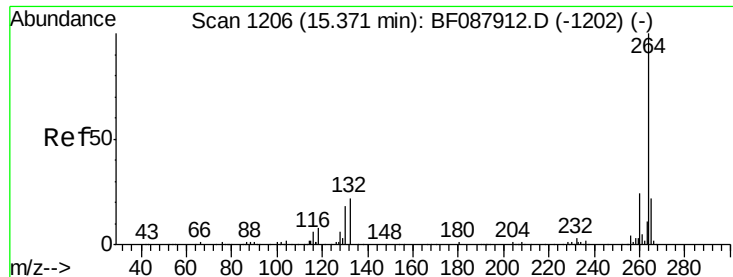


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.29 min Scan# 1199
Delta R.T. -0.07 min
Lab File: BF088045.D
Acq: 15 Jun 2016 20:37

Instrument :
BNA_F
ClientSampleId :
181-04-SE-06142016

Tgt Ion:	264	Resp:	200260
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.9	16.9	25.3

