

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061516\
 Data File : BF088043.D
 Acq On : 15 Jun 2016 19:39
 Operator : UM/SJ
 Sample : H3609-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 181-02-NW-06142016

Quant Time: Jun 16 03:08:52 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

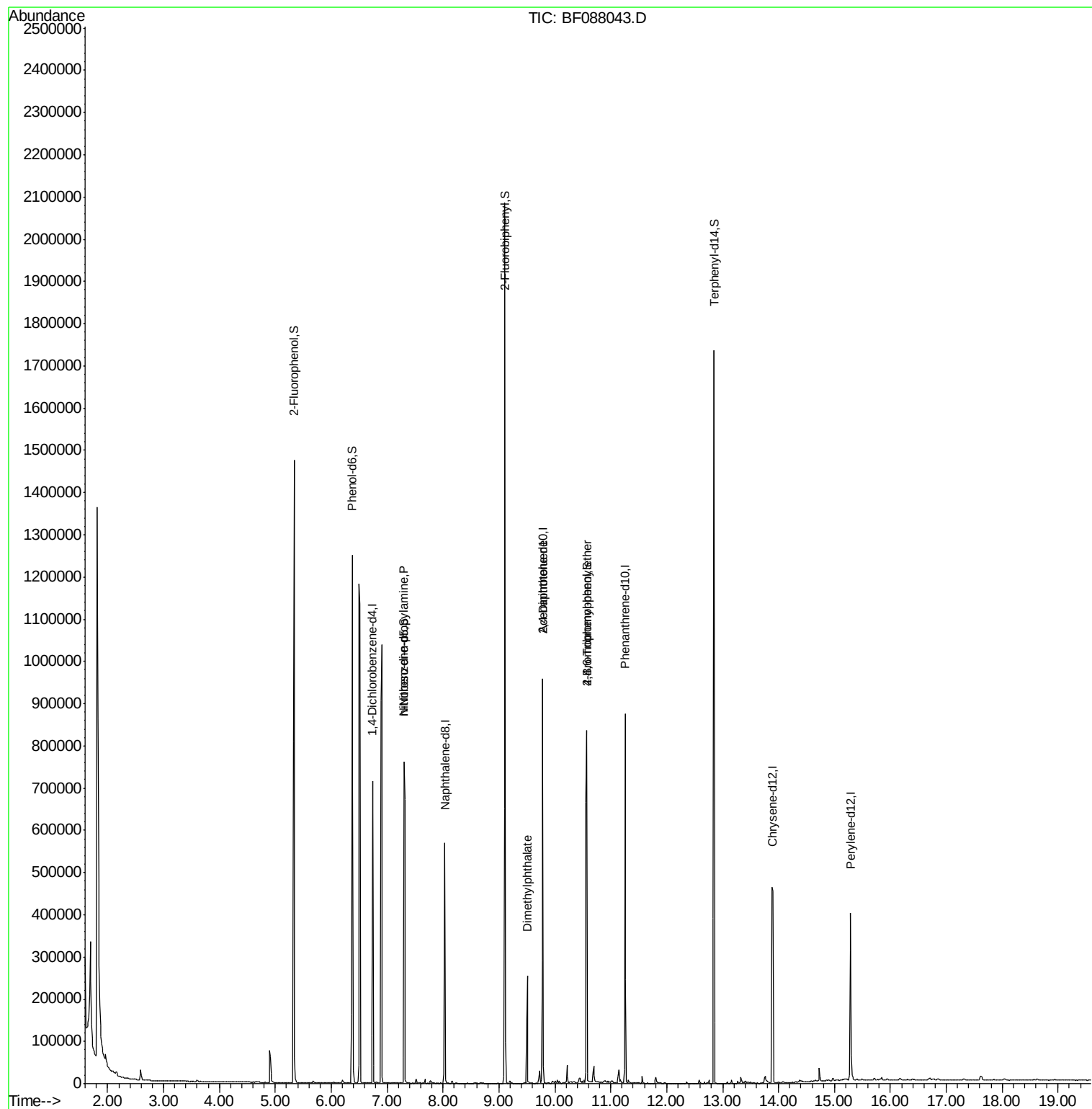
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	107219	20.00	ng	-0.05
21) Naphthalene-d8	8.03	136	408445	20.00	ng	-0.05
38) Acenaphthene-d10	9.78	164	193930	20.00	ng	-0.06
63) Phenanthrene-d10	11.26	188	315834	20.00	ng	-0.06
75) Chrysene-d12	13.90	240	237974	20.00	ng	-0.06
86) Perylene-d12	15.29	264	199287	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	511850	81.61	ng	-0.05
7) Phenol-d6	6.38	99	599959	78.93	ng	-0.06
23) Nitrobenzene-d5	7.30	82	368807	52.73	ng	-0.06
41) 2,4,6-Tribromophenol	10.57	330	141749	69.22	ng	-0.06
44) 2-Fluorobiphenyl	9.11	172	676696	52.71	ng	-0.06
78) Terphenyl-d14	12.85	244	517330	49.47	ng	-0.06
Target Compounds						
10) Phenol	6.39	94	9465	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.30	70	45686	9.40 ng	#	74
45) 1,1'-Biphenyl	9.11	154	1232	Below Cal	#	1
49) Dimethylphthalate	9.51	163	137860	9.81 ng		98
56) 2,4-Dinitrotoluene	9.78	165	24794	6.00 ng	#	37
57) Fluorene	10.56	166	6953	Below Cal	#	88
66) 4-Bromophenyl-phenylether	10.57	248	8992	2.65 ng	#	1

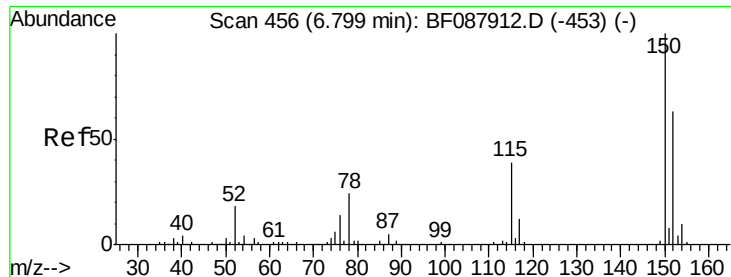
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 451

Delta R.T. -0.05 min

Lab File: BF088043.D

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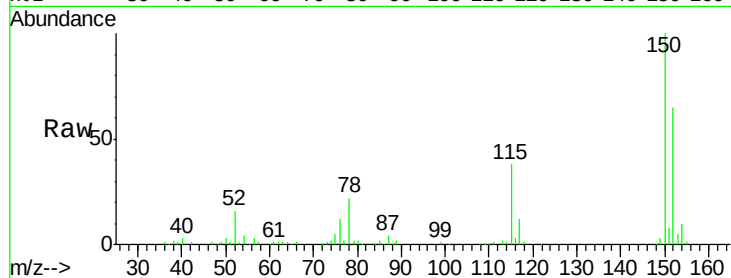
Tgt Ion:152 Resp: 107219

Ion Ratio Lower Upper

152 100

150 154.1 123.8 185.6

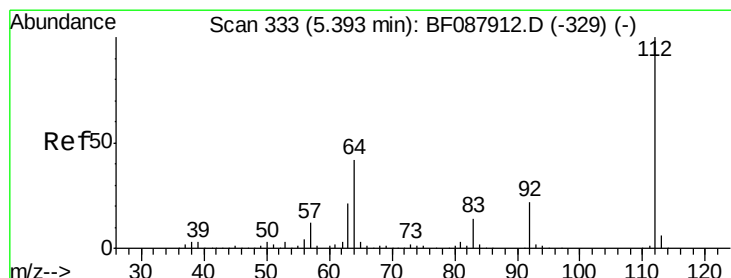
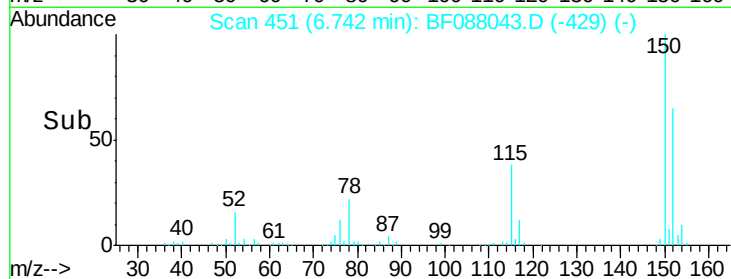
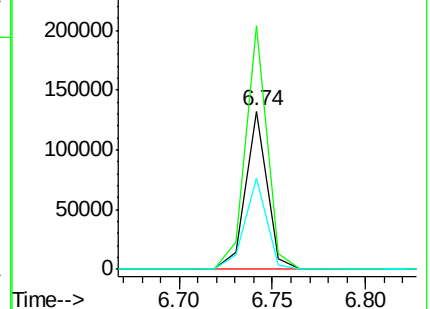
115 58.1 39.6 59.4



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: 81.61 ng

RT: 5.34 min Scan# 328

Delta R.T. -0.05 min

Lab File: BF088043.D

Acq: 15 Jun 2016 19:39

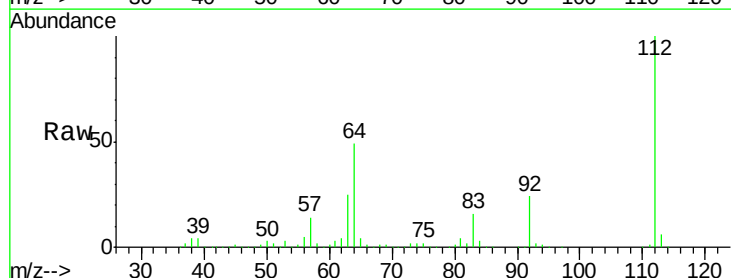
Tgt Ion:112 Resp: 511850

Ion Ratio Lower Upper

112 100

64 49.4 42.2 63.2

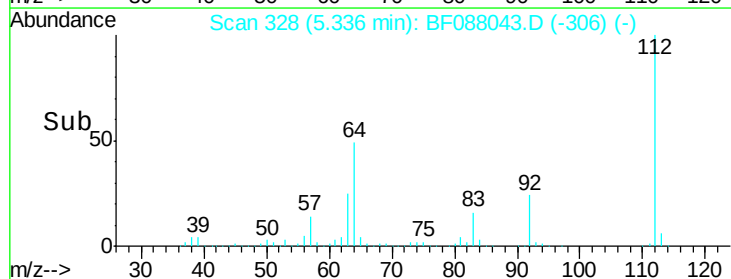
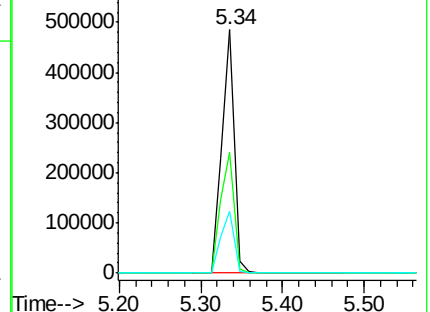
63 25.2 21.8 32.8

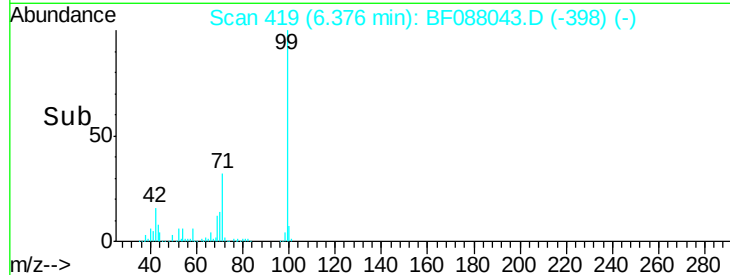
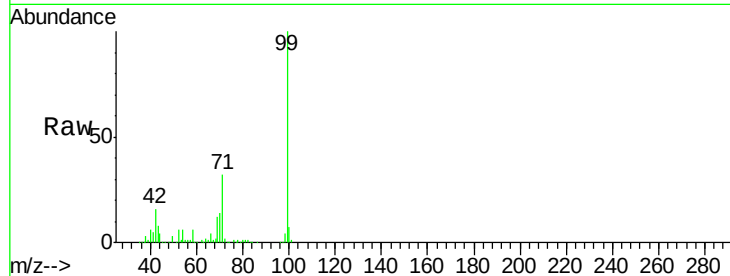
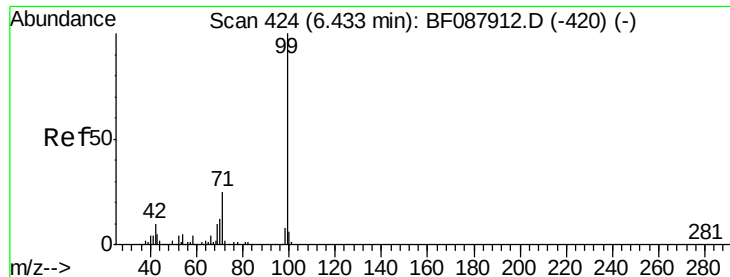


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 78.93 ng

RT: 6.38 min Scan# 419

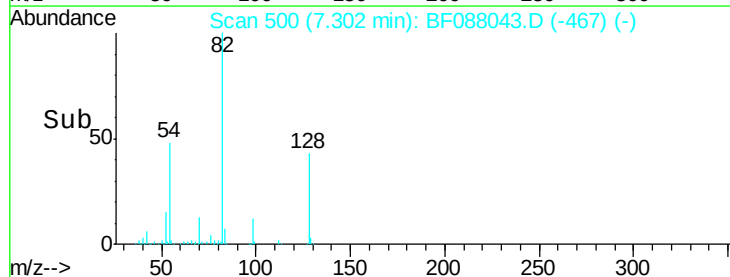
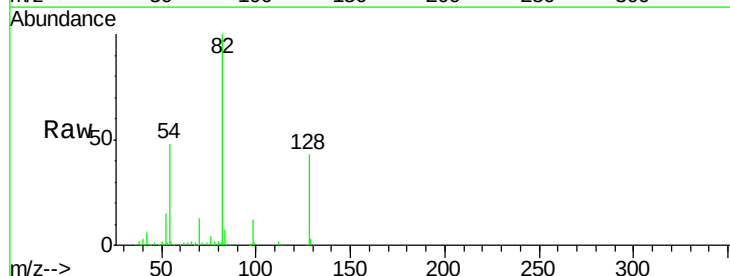
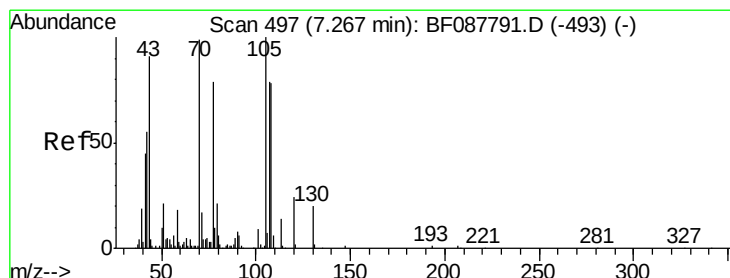
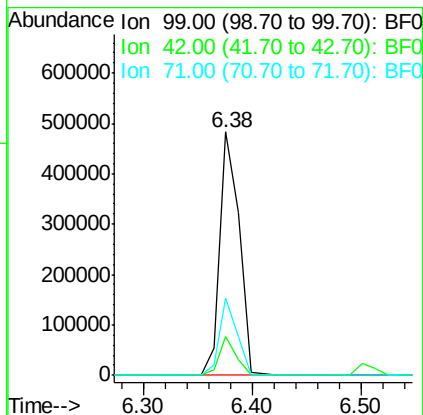
Delta R.T. -0.06 min

Lab File: BF088043.D

Acq: 15 Jun 2016 19:39

Tgt Ion	Ratio	Lower	Upper
99	100		
42	16.0	12.2	18.2
71	31.9	23.4	35.0

Instrument :
BNA_F
ClientSampleId :
181-02-NW-06142016



#19

n-Nitroso-di-n-propylamine

Concen: 9.40 ng

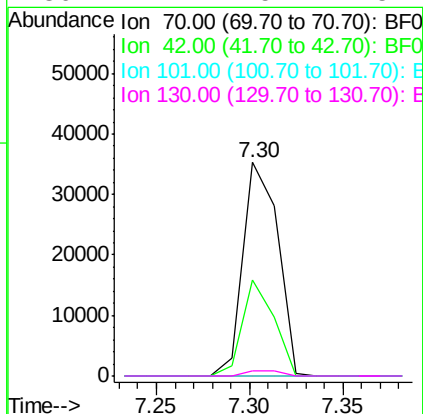
RT: 7.30 min Scan# 500

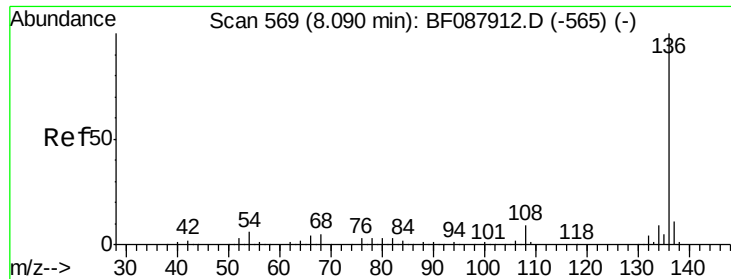
Delta R.T. 0.08 min

Lab File: BF088043.D

Acq: 15 Jun 2016 19:39

Tgt Ion	Ratio	Lower	Upper
70	100		
42	45.0	49.6	74.4#
101	0.0	7.1	10.7#
130	2.4	15.4	23.2#

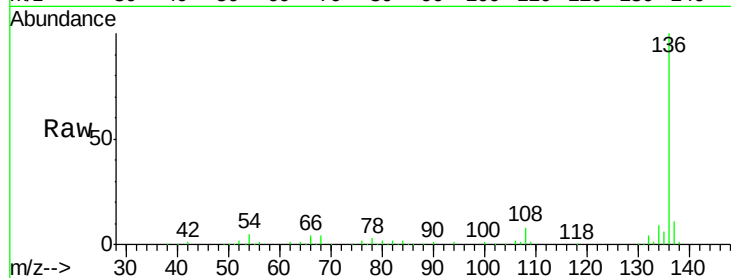




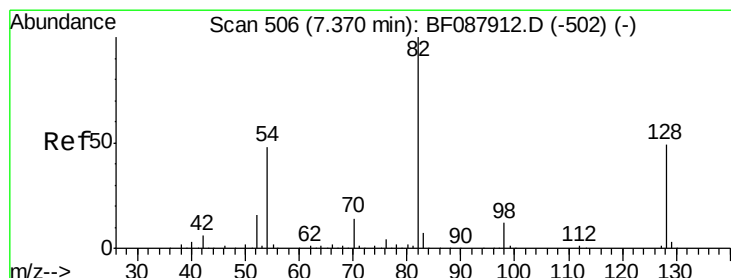
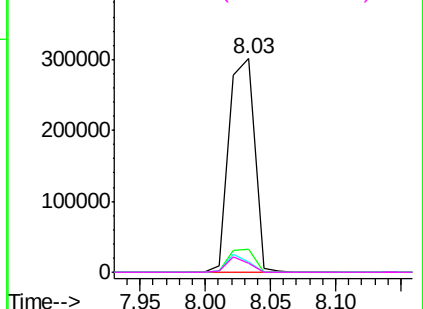
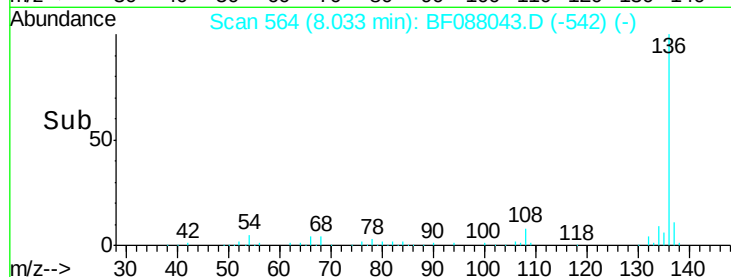
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 564
Delta R.T. -0.05 min
Lab File: BF088043.D
Acq: 15 Jun 2016 19:39

Instrument :
BNA_F
ClientSampleId :
181-02-NW-06142016

Tgt Ion: 136 Resp: 408445
Ion Ratio Lower Upper
136 100
137 10.6 9.1 13.7
54 4.7 6.6 10.0#
68 4.3 5.1 7.7#

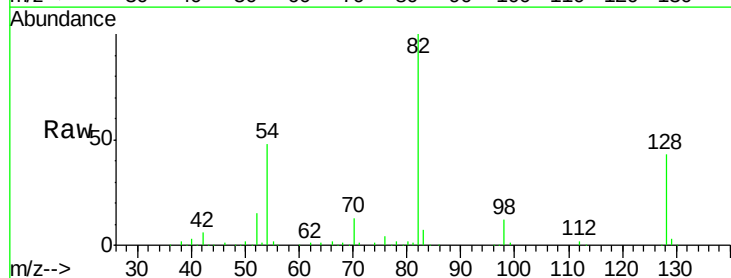


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

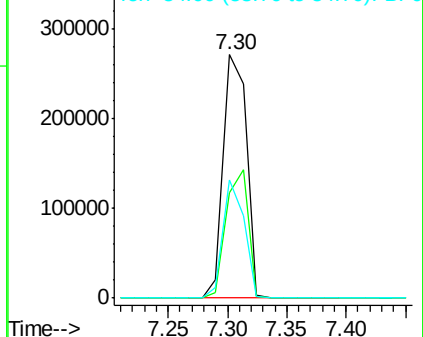
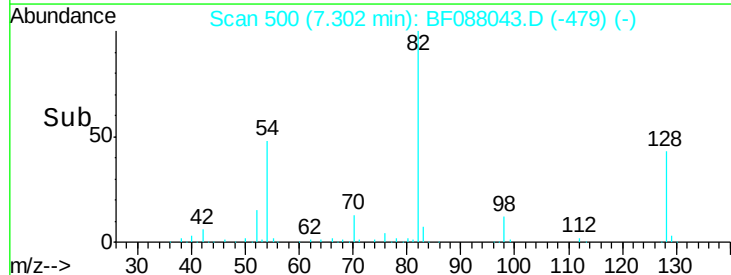


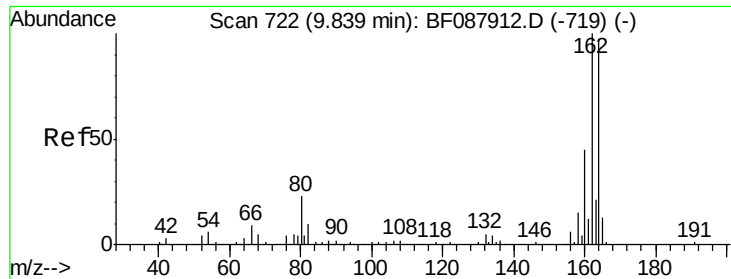
#23
Nitrobenzene-d5
Concen: 52.73 ng
RT: 7.30 min Scan# 500
Delta R.T. -0.06 min
Lab File: BF088043.D
Acq: 15 Jun 2016 19:39

Tgt Ion: 82 Resp: 368807
Ion Ratio Lower Upper
82 100
128 43.4 35.9 53.9
54 48.4 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: BF088043.D

Acq: 15 Jun 2016 19:39

Instrument :

BNA_F

ClientSampleId :

181-02-NW-06142016

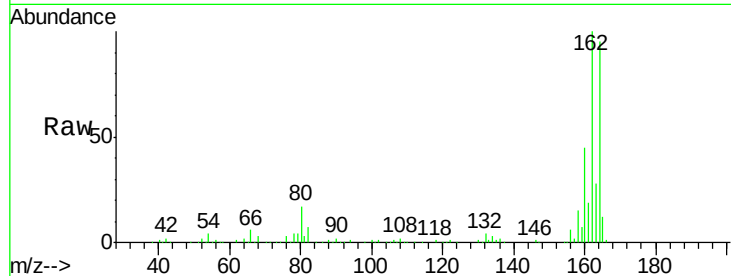
Tgt Ion:164 Resp: 193930

Ion Ratio Lower Upper

164 100

162 105.3 85.4 128.2

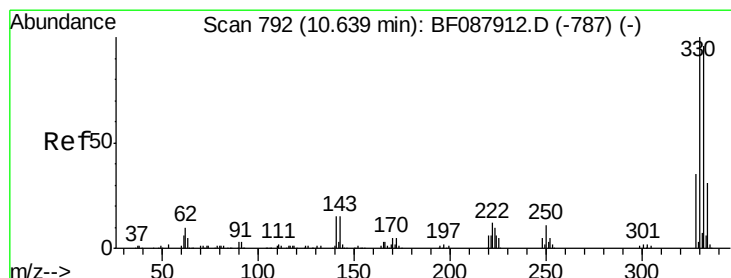
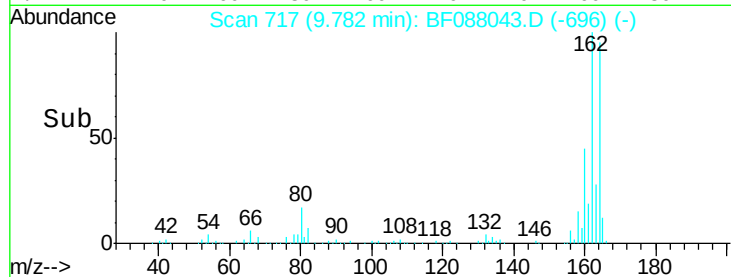
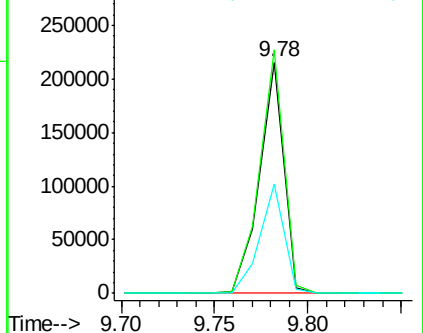
160 47.3 39.5 59.3



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: 69.22 ng

RT: 10.57 min Scan# 786

Delta R.T. -0.06 min

Lab File: BF088043.D

Acq: 15 Jun 2016 19:39

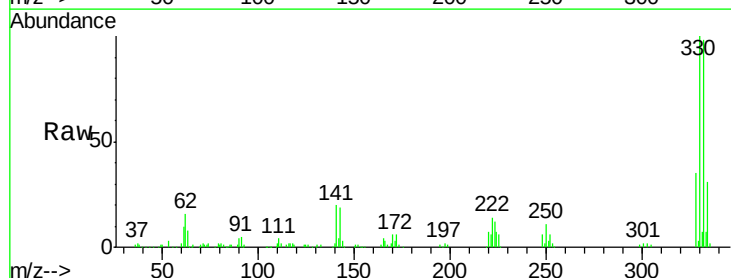
Tgt Ion:330 Resp: 141749

Ion Ratio Lower Upper

330 100

332 97.2 0.0 0.0#

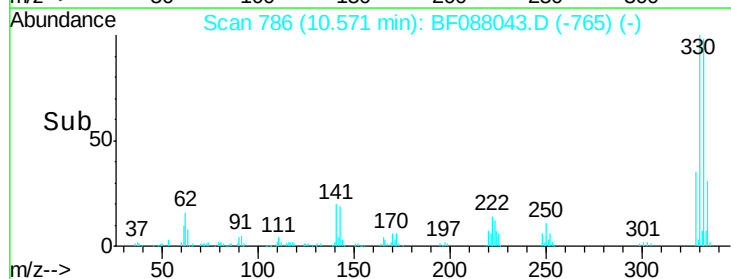
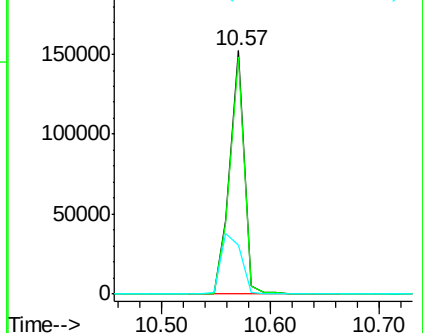
141 34.6 0.0 0.0#

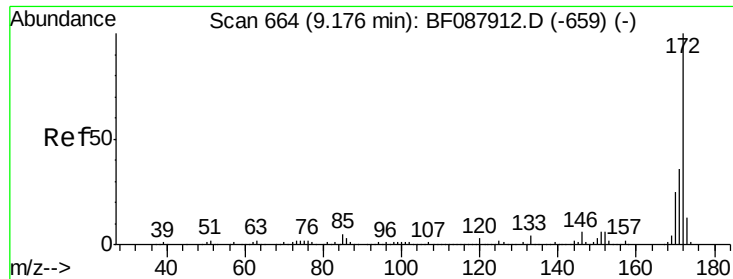


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

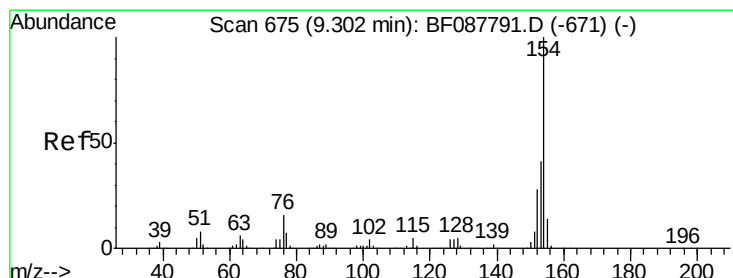
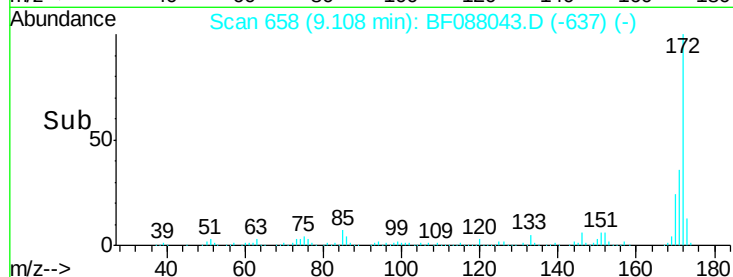
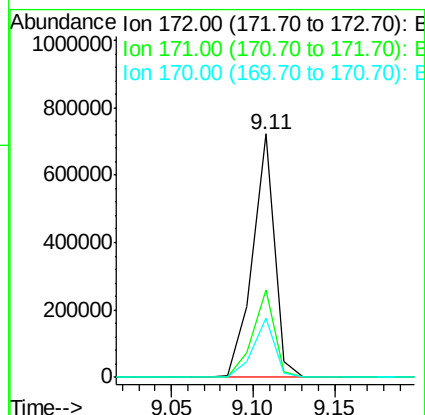
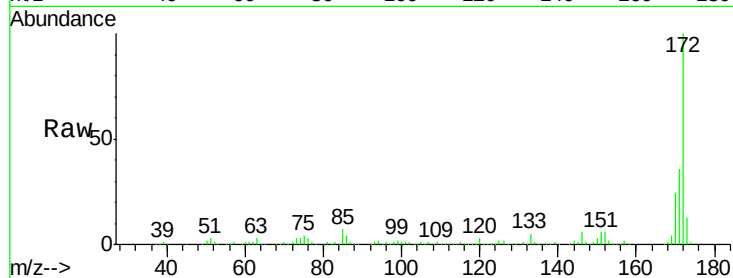




#44
2-Fluorobiphenyl
Concen: 52.71 ng
RT: 9.11 min Scan# 658
Delta R.T. -0.06 min
Lab File: BF088043.D
Acq: 15 Jun 2016 19:39

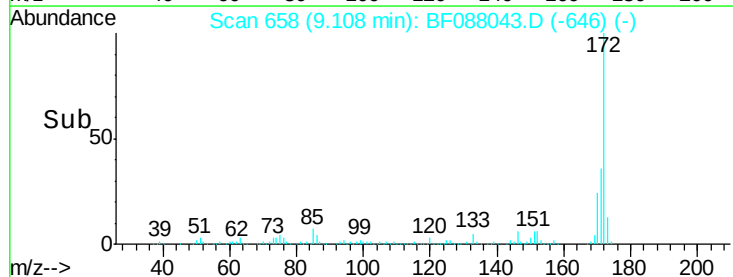
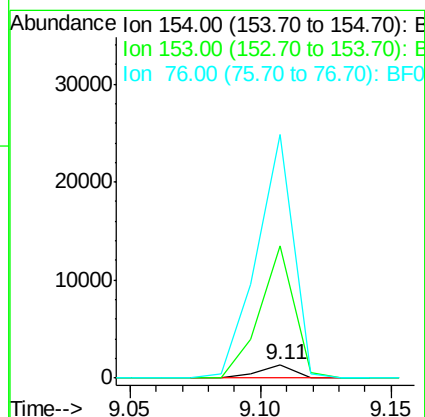
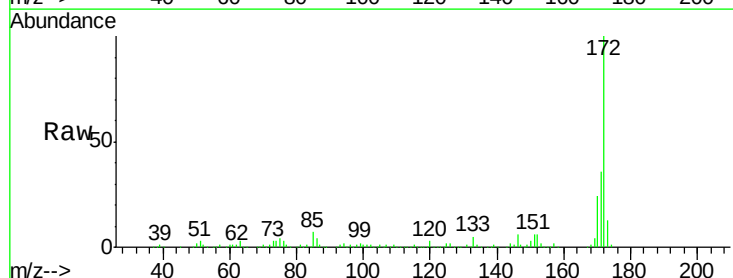
Instrument :
BNA_F
ClientSampleId :
181-02-NW-06142016

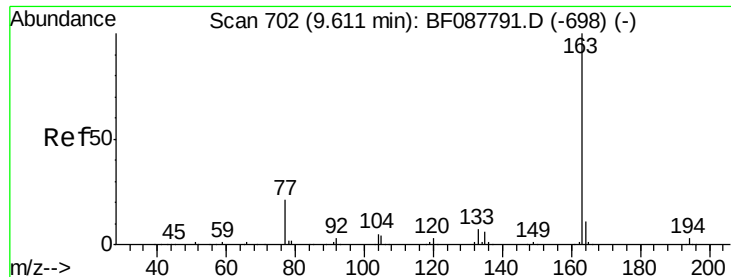
Tgt Ion:172 Resp: 676696
Ion Ratio Lower Upper
172 100
171 36.0 28.6 43.0
170 24.1 19.2 28.8



#45
1,1'-Biphenyl
Concen: Below Cal
RT: 9.11 min Scan# 658
Delta R.T. -0.16 min
Lab File: BF088043.D
Acq: 15 Jun 2016 19:39

Tgt Ion:154 Resp: 1232
Ion Ratio Lower Upper
154 100
153 970.0 20.6 60.6#
76 1780.6 0.0 35.1#





#49

Dimethylphthalate

Concen: 9.81 ng

RT: 9.51 min Scan# 693

Delta R.T. -0.06 min

Lab File: BF088043.D

Acq: 15 Jun 2016 19:39

Instrument :

BNA_F

ClientSampleId :

181-02-NW-06142016

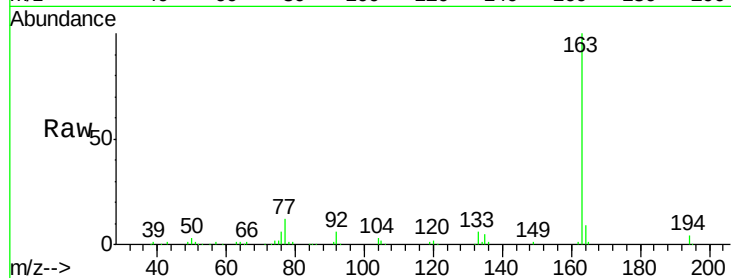
Tgt Ion:163 Resp: 137860

Ion Ratio Lower Upper

163 100

194 3.7 2.8 4.2

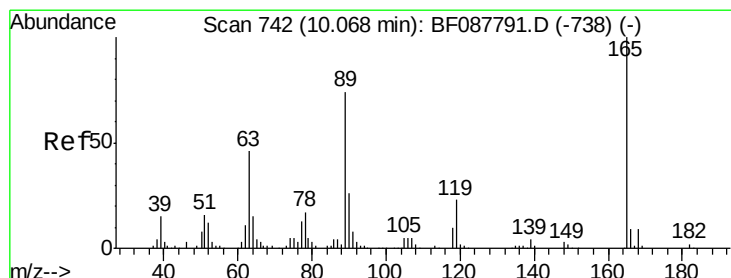
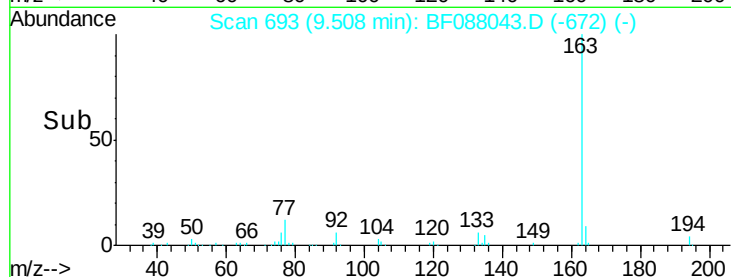
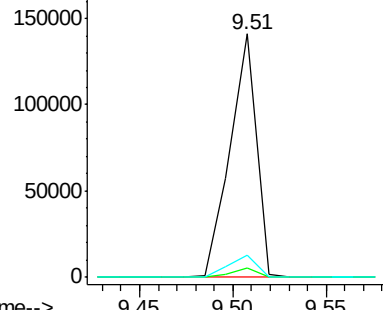
164 9.4 8.3 12.5



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: 6.00 ng

RT: 9.78 min Scan# 717

Delta R.T. -0.25 min

Lab File: BF088043.D

Acq: 15 Jun 2016 19:39

Tgt Ion:165 Resp: 24794

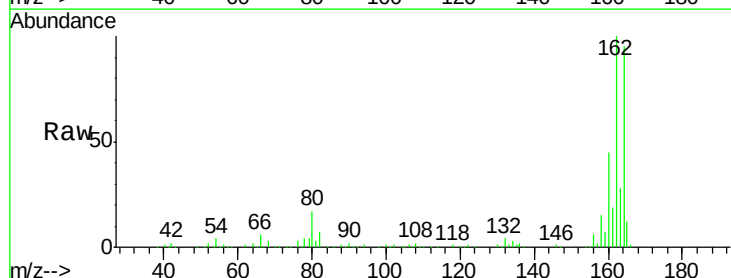
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 1.2 41.1 61.7#

182 0.0 2.0 3.0#

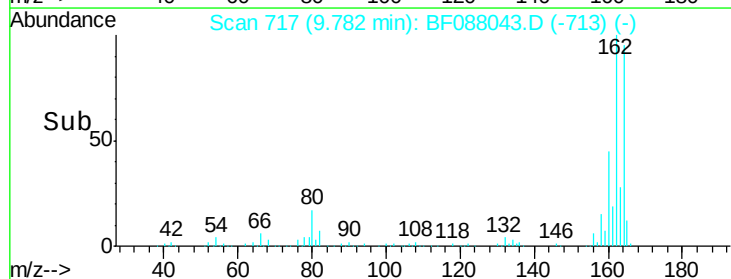
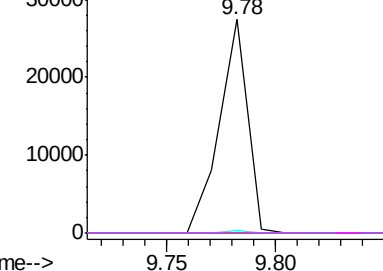


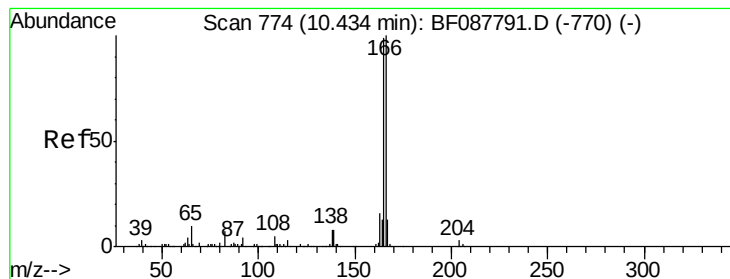
Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.56 min Scan# 785

Delta R.T. 0.17 min

Lab File: BF088043.D

Acq: 15 Jun 2016 19:39

Instrument :

BNA_F

ClientSampleId :

181-02-NW-06142016

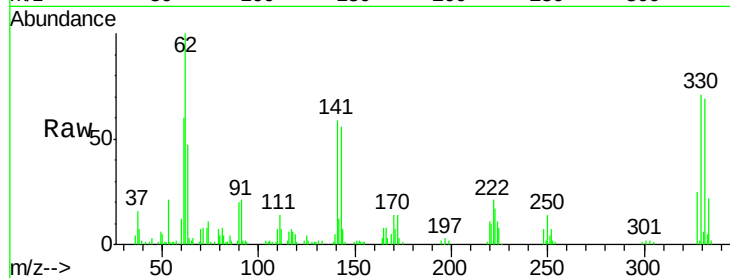
Tgt Ion:166 Resp: 6953

Ion Ratio Lower Upper

166 100

165 104.0 77.8 116.8

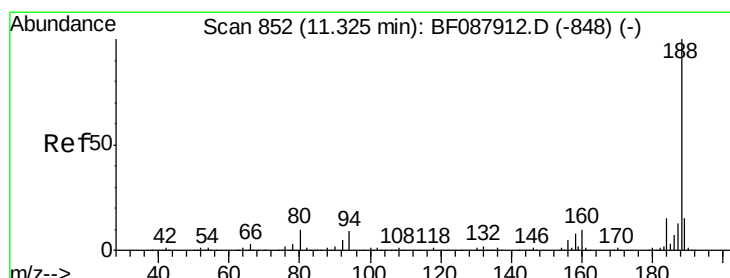
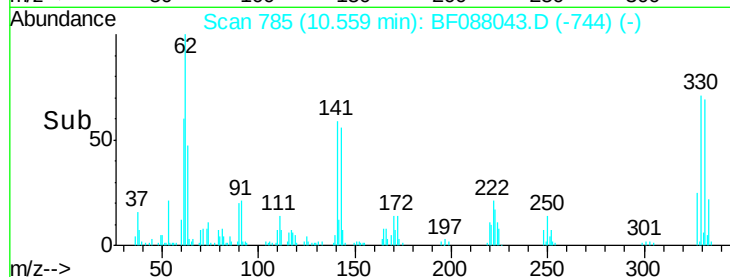
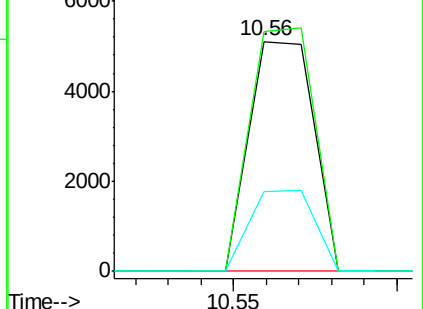
167 34.5 11.2 16.8#



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: 11.26 min Scan# 846

Delta R.T. -0.06 min

Lab File: BF088043.D

Acq: 15 Jun 2016 19:39

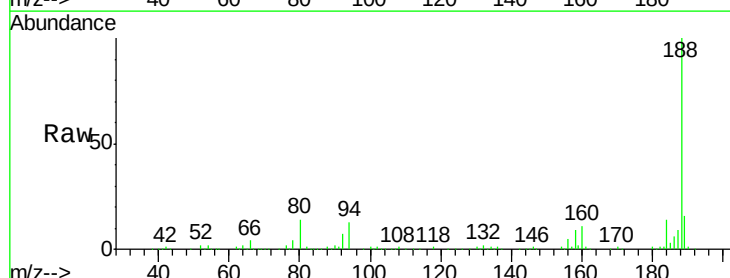
Tgt Ion:188 Resp: 315834

Ion Ratio Lower Upper

188 100

94 12.8 9.0 13.6

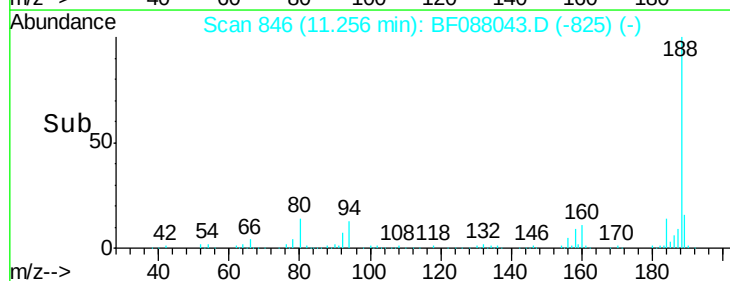
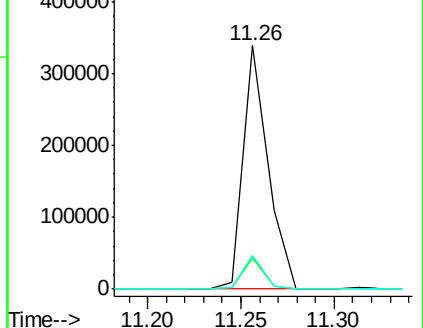
80 13.6 10.0 15.0

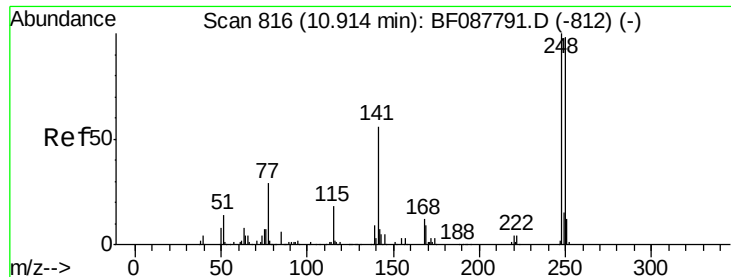


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

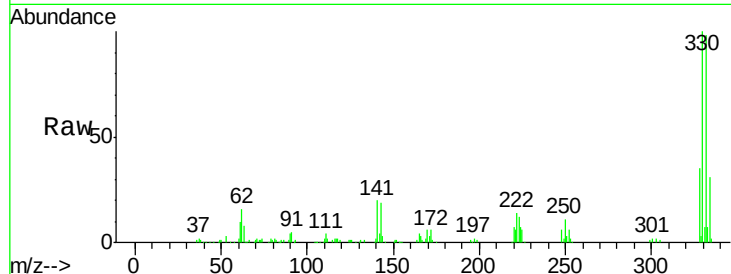




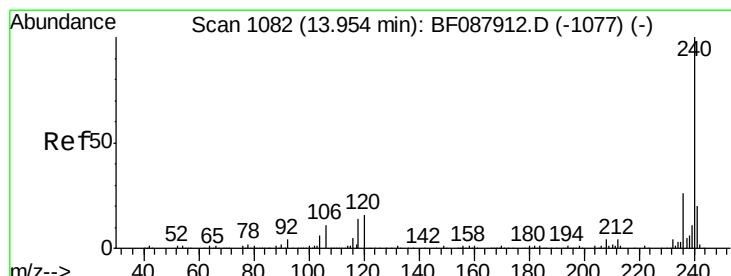
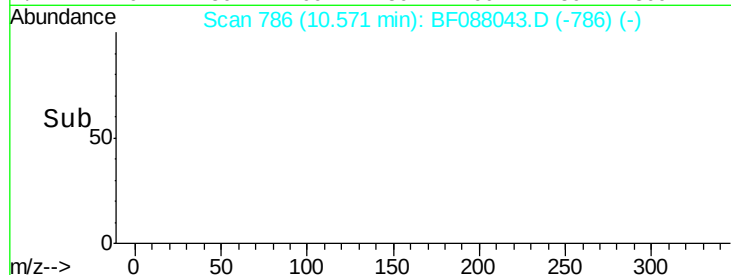
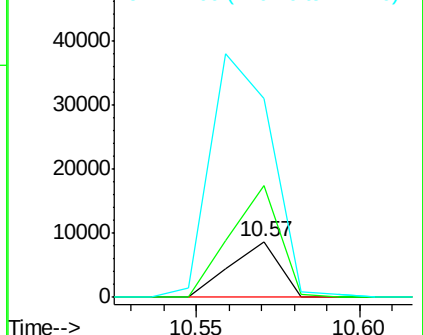
#66
4-Bromophenyl-phenylether
Concen: 2.65 ng
RT: 10.57 min Scan# 786
Delta R.T. -0.30 min
Lab File: BF088043.D
Acq: 15 Jun 2016 19:39

Instrument :
BNA_F
ClientSampleId :
181-02-NW-06142016

Tgt Ion:248 Resp: 8992
Ion Ratio Lower Upper
248 100
250 199.7 77.1 115.7#
141 357.4 50.6 76.0#

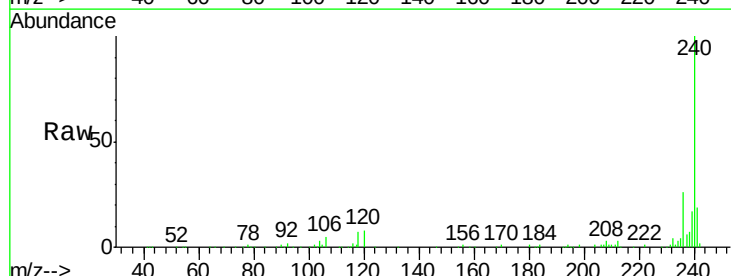


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

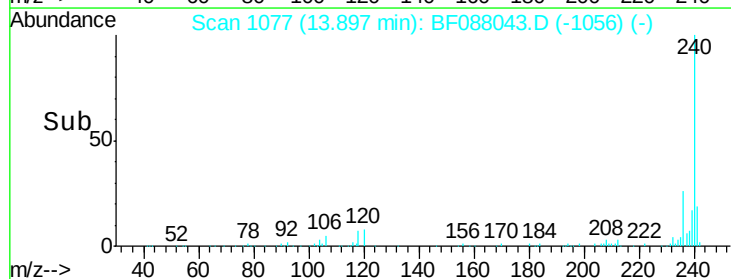
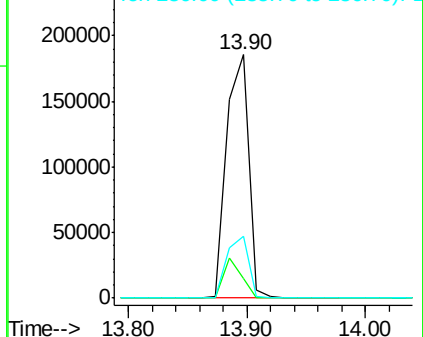


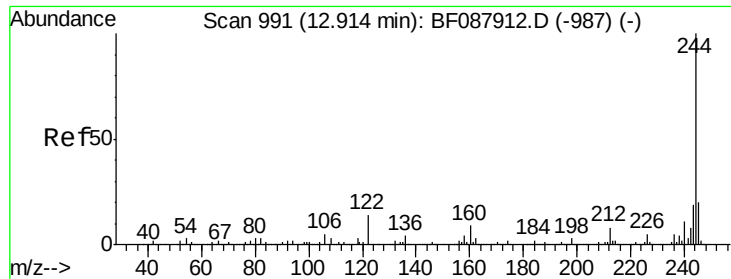
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.90 min Scan# 1077
Delta R.T. -0.06 min
Lab File: BF088043.D
Acq: 15 Jun 2016 19:39

Tgt Ion:240 Resp: 237974
Ion Ratio Lower Upper
240 100
120 7.8 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

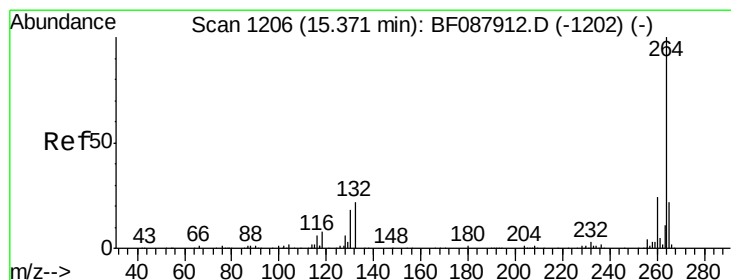
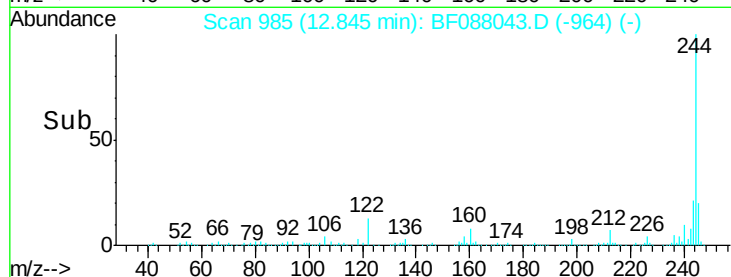
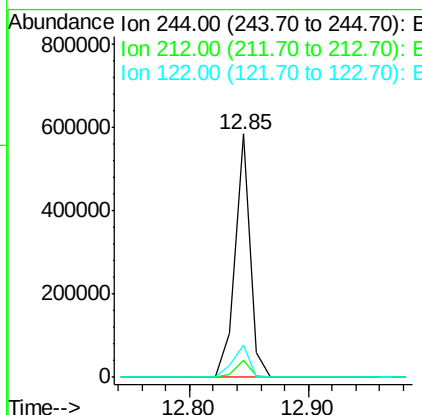
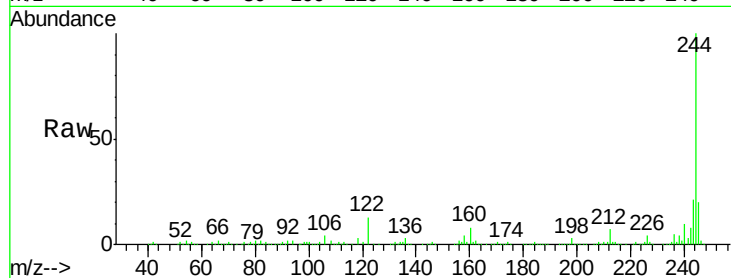




#78
 Terphenyl-d14
 Concen: 49.47 ng
 RT: 12.85 min Scan# 985
 Delta R.T. -0.06 min
 Lab File: BF088043.D
 Acq: 15 Jun 2016 19:39

Instrument :
 BNA_F
 ClientSampleId :
 181-02-NW-06142016

Tgt Ion:244 Resp: 517330
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 13.3 11.2 16.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.29 min Scan# 1199
 Delta R.T. -0.07 min
 Lab File: BF088043.D
 Acq: 15 Jun 2016 19:39

Tgt Ion:264 Resp: 199287
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 21.1 16.9 25.3

