

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061816\
 Data File : BF088139.D
 Acq On : 18 Jun 2016 17:39
 Operator : UM/SJ
 Sample : H3501-20
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB12-1-3

Quant Time: Jun 19 07:45:00 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 17 16:09:13 2016
 Response via : Initial Calibration

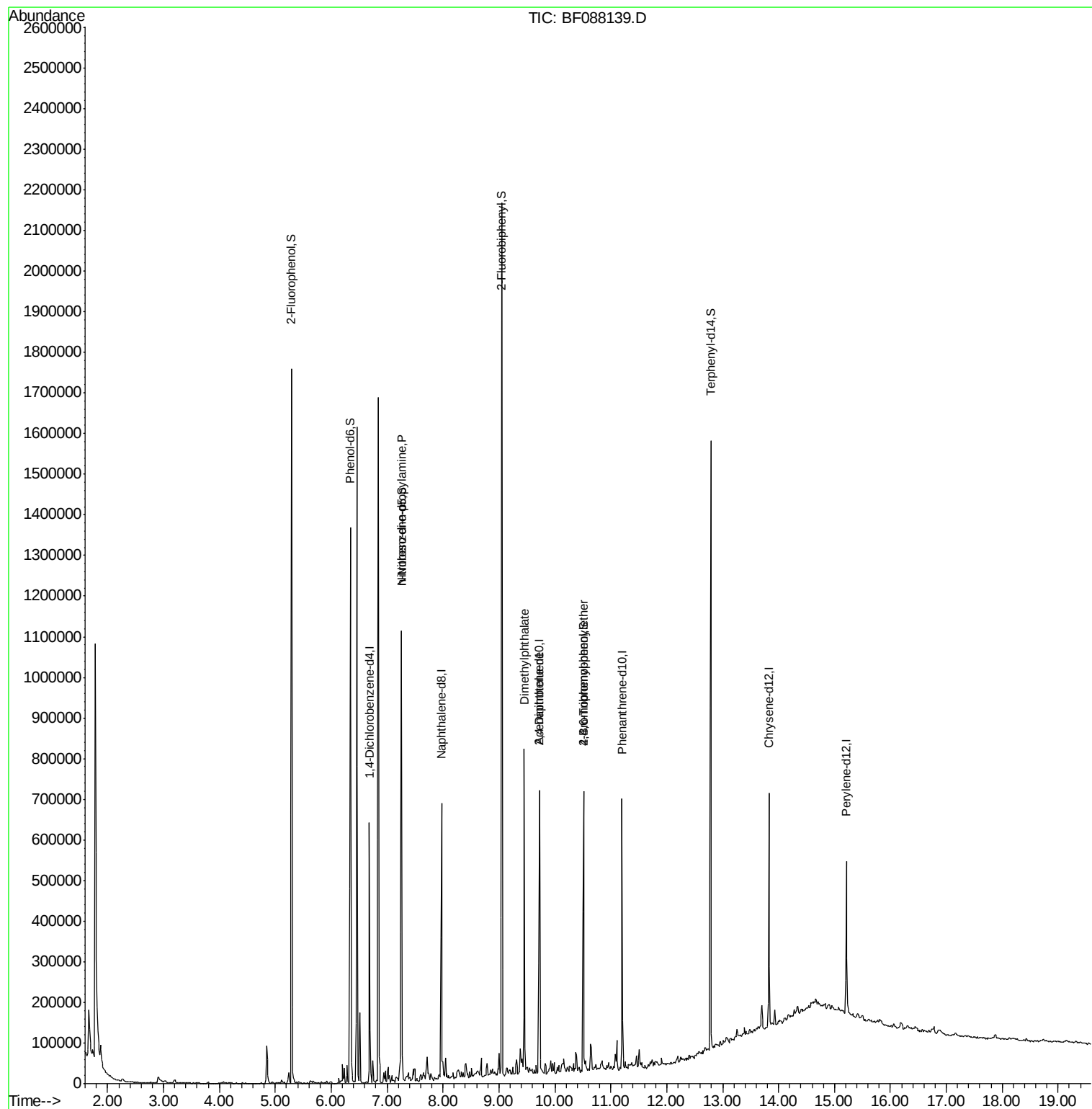
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	97159	20.00	ng	-0.01
21) Naphthalene-d8	7.98	136	365232	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	146240	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	228317	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	189260	20.00	ng	-0.02
86) Perylene-d12	15.21	264	150585	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	564063	99.25	ng	0.01
7) Phenol-d6	6.34	99	713577	103.60	ng	-0.01
23) Nitrobenzene-d5	7.26	82	372536	59.56	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	99243	64.27	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	660202	69.94	ng	-0.02
78) Terphenyl-d14	12.79	244	551807	66.35	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.36	94	5020	Below Cal		76
19) n-Nitroso-di-n-propylamine	7.26	70	50869	11.54 ng	#	70
45) 1,1'-Biphenyl	9.15	154	689	Below Cal		73
49) Dimethylphthalate	9.45	163	305416	28.83 ng		99
56) 2,4-Dinitrotoluene	9.72	165	19784	6.35 ng	#	38
57) Fluorene	10.27	166	2336	Below Cal	#	89
66) 4-Bromophenyl-phenylether	10.51	248	6480	2.65 ng	#	1

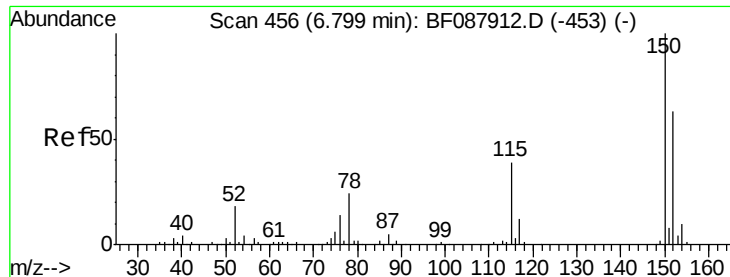
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF088139.D

Acq: 18 Jun 2016 17:39

Instrument :

BNA_F

ClientSampleId :

SB12-1-3

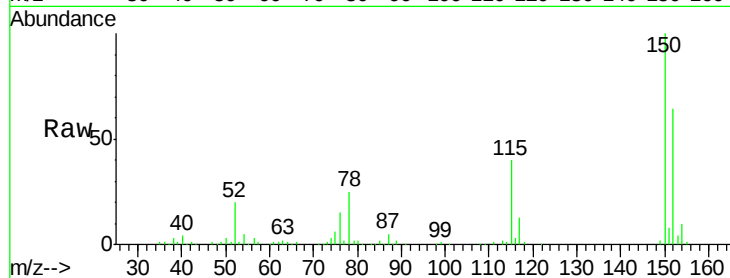
Tgt Ion:152 Resp: 97159

Ion Ratio Lower Upper

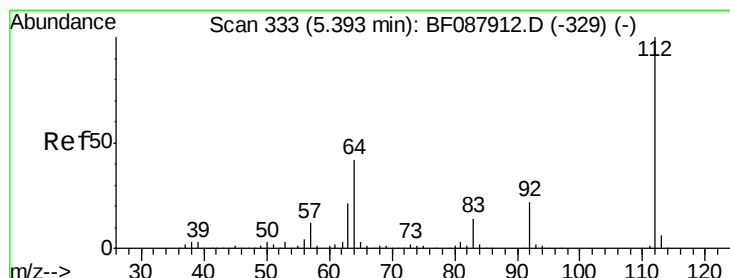
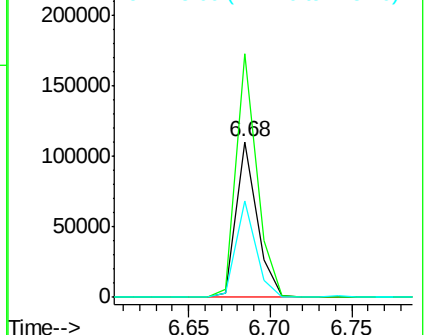
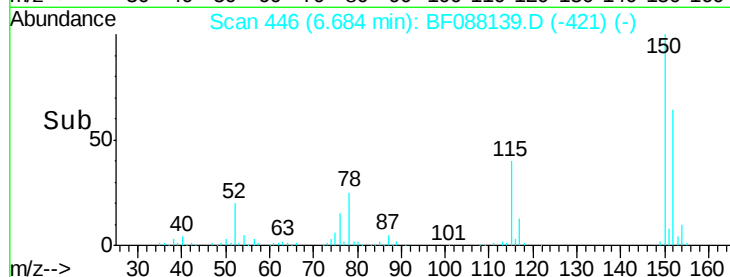
152 100

150 156.2 123.8 185.6

115 62.1 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: 99.25 ng

RT: 5.29 min Scan# 324

Delta R.T. 0.01 min

Lab File: BF088139.D

Acq: 18 Jun 2016 17:39

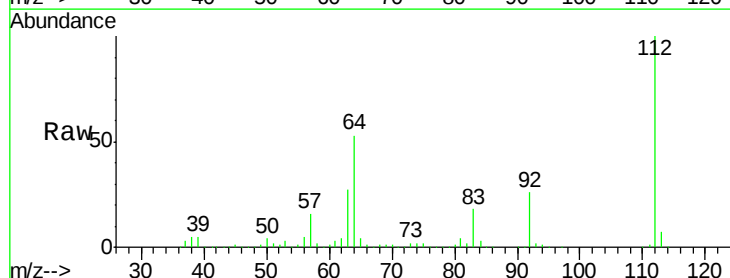
Tgt Ion:112 Resp: 564063

Ion Ratio Lower Upper

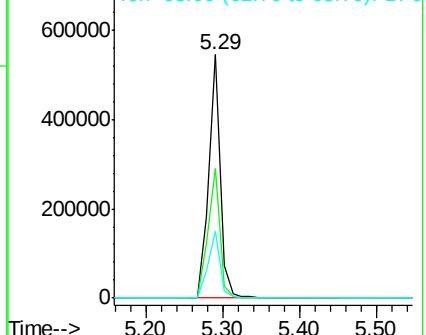
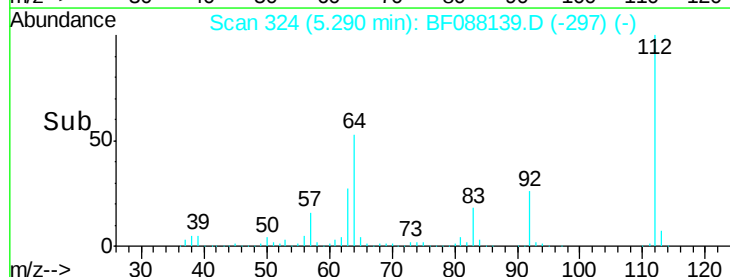
112 100

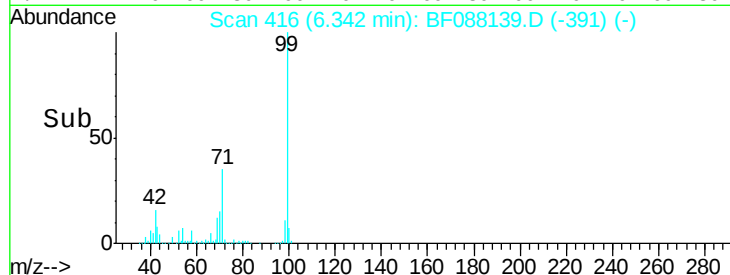
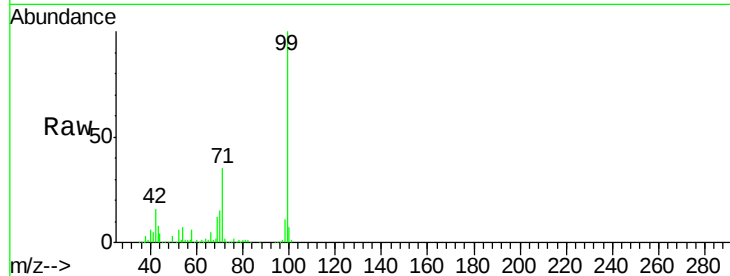
64 53.4 42.2 63.2

63 27.4 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: 103.60 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF088139.D

Acq: 18 Jun 2016 17:39

Instrument :

BNA_F

ClientSampleId :

SB12-1-3

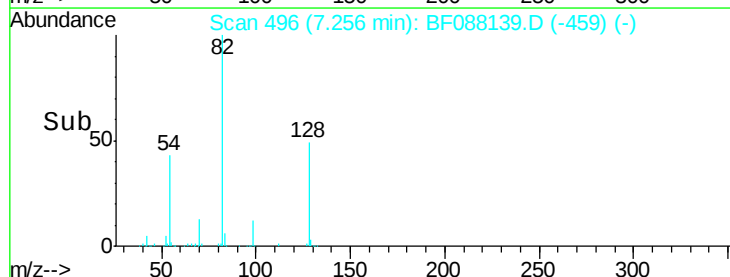
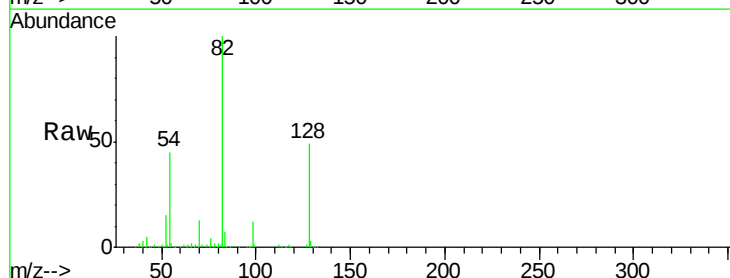
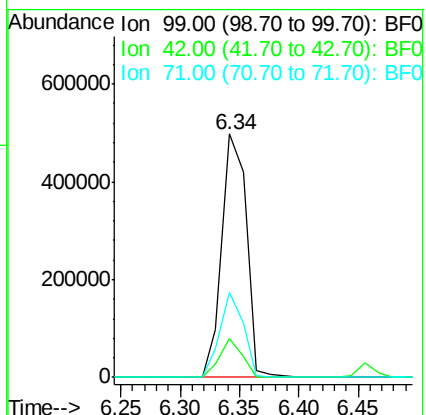
Tgt Ion: 99 Resp: 713577

Ion Ratio Lower Upper

99 100

42 16.1 12.2 18.2

71 34.8 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.54 ng

RT: 7.26 min Scan# 496

Delta R.T. 0.13 min

Lab File: BF088139.D

Acq: 18 Jun 2016 17:39

Tgt Ion: 70 Resp: 50869

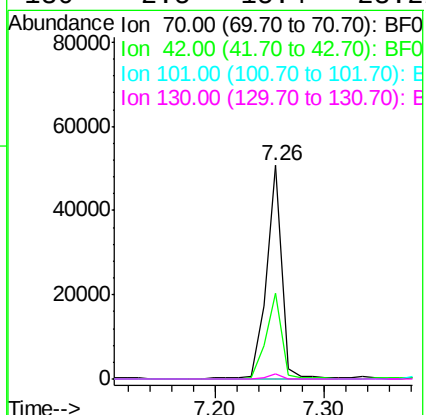
Ion Ratio Lower Upper

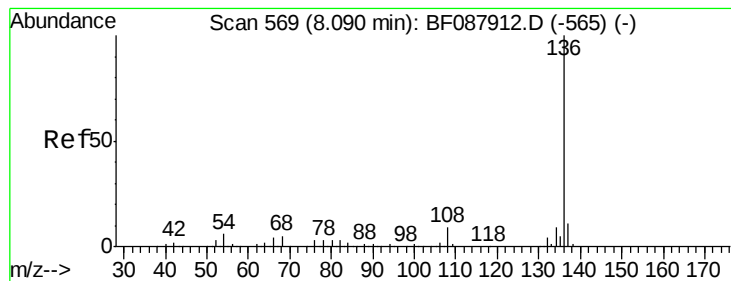
70 100

42 40.2 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: 7.98 min Scan# 559

Delta R.T. -0.01 min

Lab File: BF088139.D

Acq: 18 Jun 2016 17:39

Instrument :

BNA_F

ClientSampleId :

SB12-1-3

Tgt Ion:136 Resp: 365232

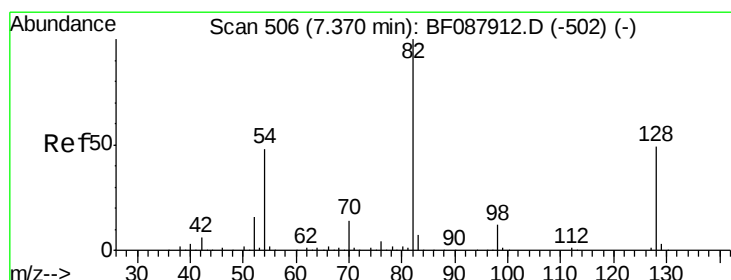
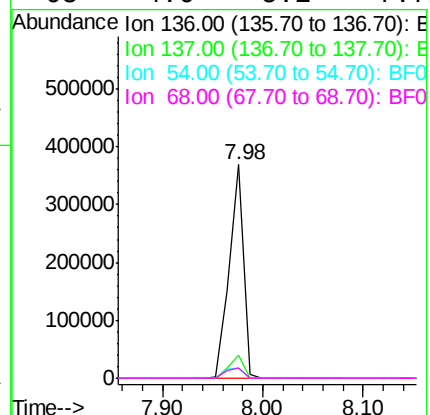
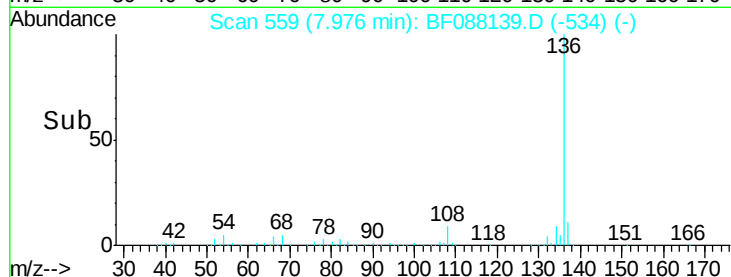
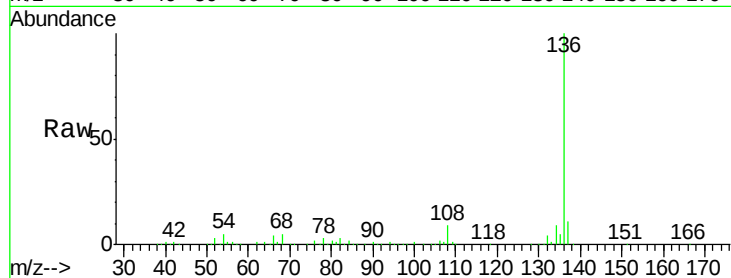
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 5.1 6.6 10.0#

68 4.6 5.1 7.7#



#23

Nitrobenzene-d5

Concen: 59.56 ng

RT: 7.26 min Scan# 496

Delta R.T. -0.02 min

Lab File: BF088139.D

Acq: 18 Jun 2016 17:39

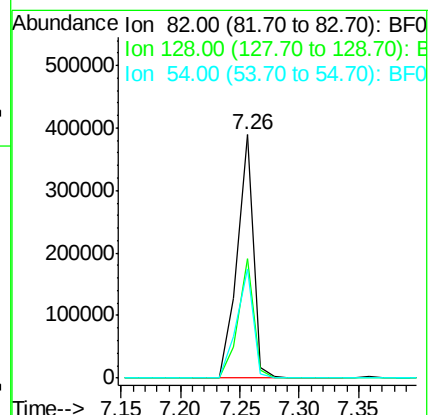
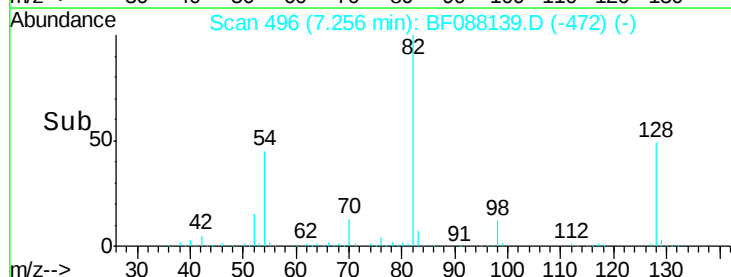
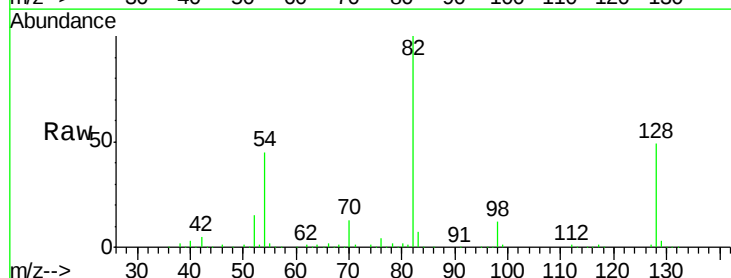
Tgt Ion: 82 Resp: 372536

Ion Ratio Lower Upper

82 100

128 48.9 35.9 53.9

54 45.0 40.9 61.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.01 min

Lab File: BF088139.D

Acq: 18 Jun 2016 17:39

Instrument :

BNA_F

ClientSampleId :

SB12-1-3

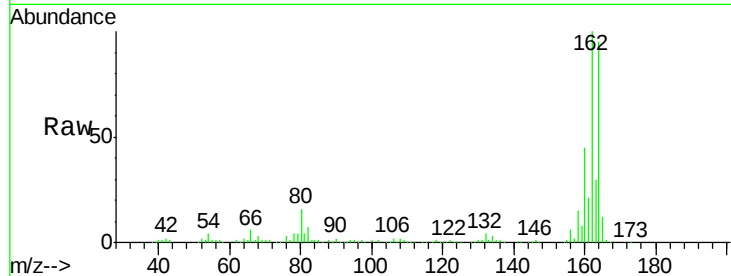
Tgt Ion:164 Resp: 146240

Ion Ratio Lower Upper

164 100

162 105.6 85.4 128.2

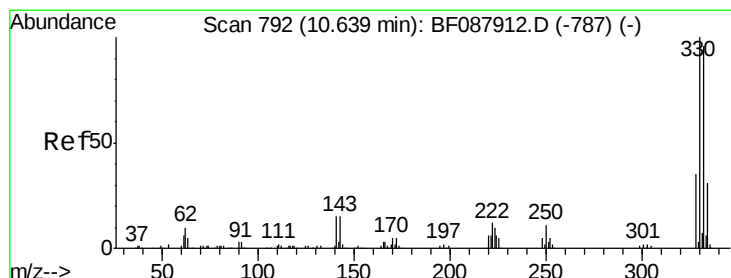
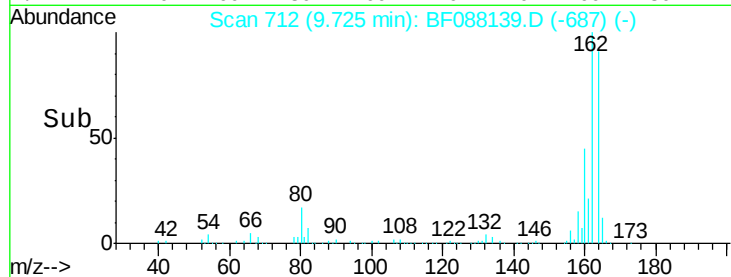
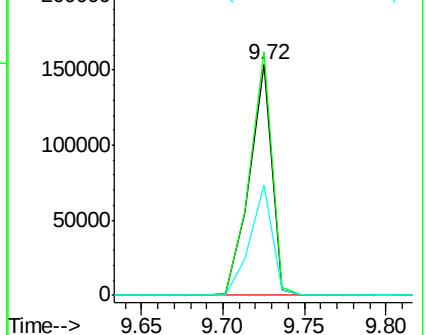
160 47.9 39.5 59.3



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: 64.27 ng

RT: 10.51 min Scan# 781

Delta R.T. -0.01 min

Lab File: BF088139.D

Acq: 18 Jun 2016 17:39

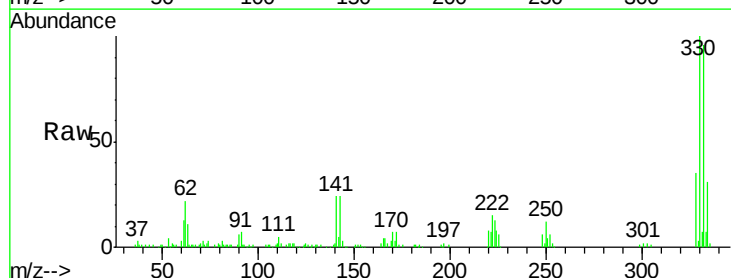
Tgt Ion:330 Resp: 99243

Ion Ratio Lower Upper

330 100

332 95.5 0.0 0.0#

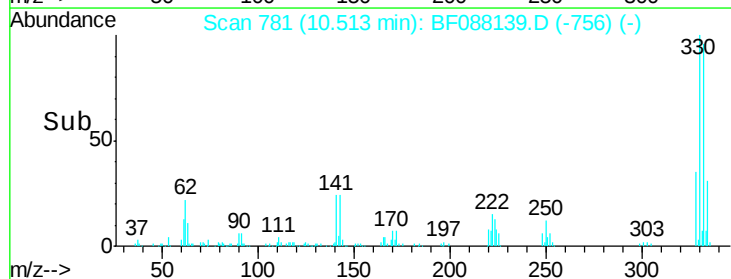
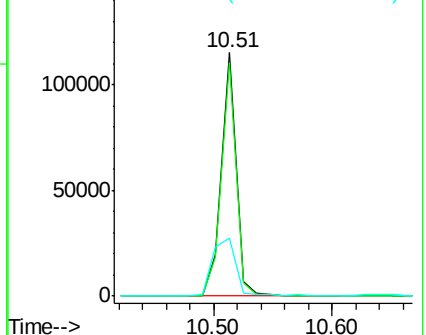
141 39.0 0.0 0.0#

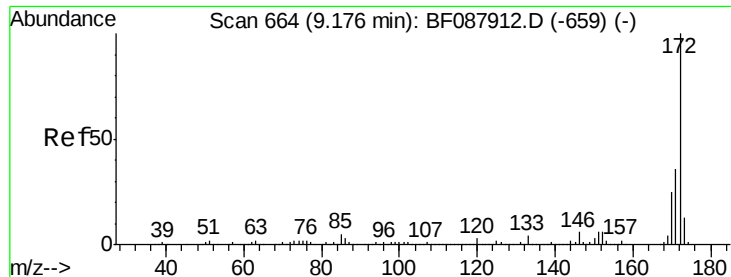


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

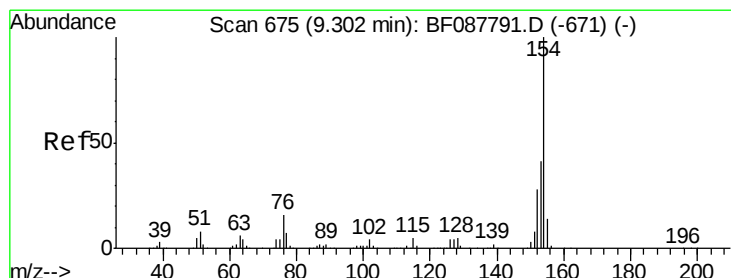
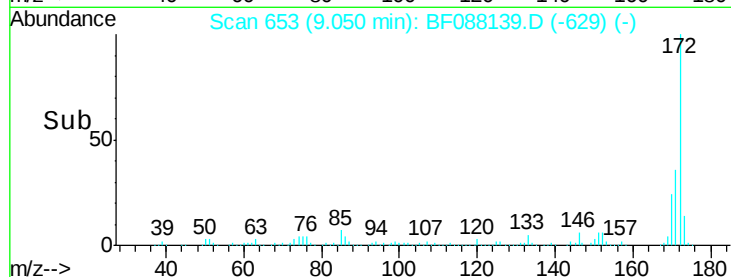
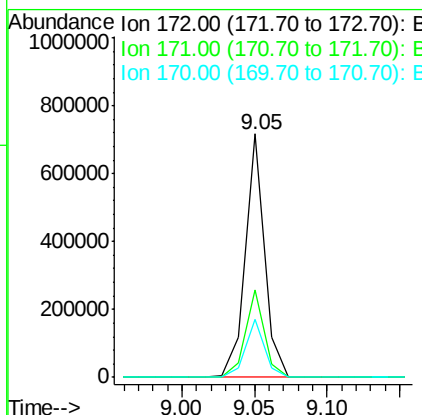
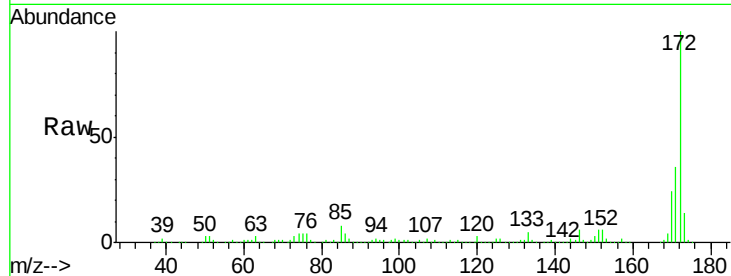




#44
2-Fluorobiphenyl
Concen: 69.94 ng
RT: 9.05 min Scan# 653
Delta R.T. -0.02 min
Lab File: BF088139.D
Acq: 18 Jun 2016 17:39

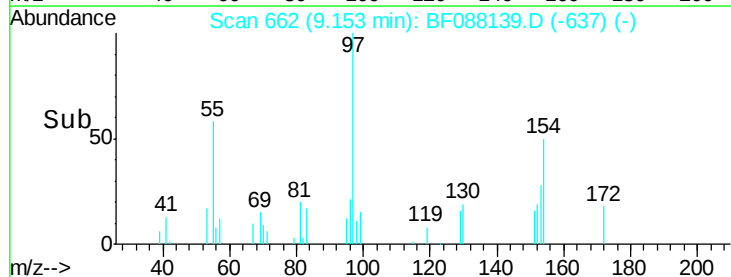
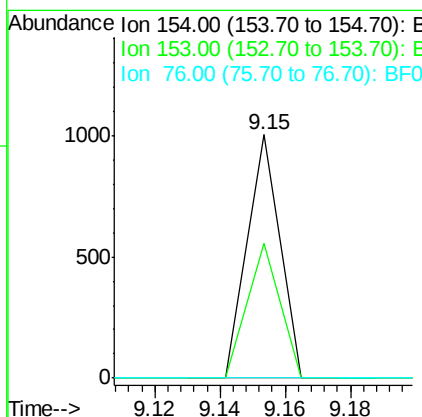
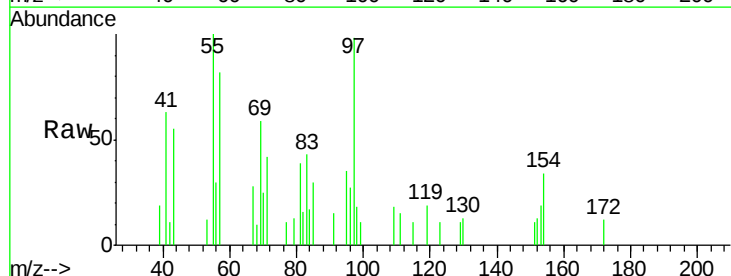
Instrument :
BNA_F
ClientSampleId :
SB12-1-3

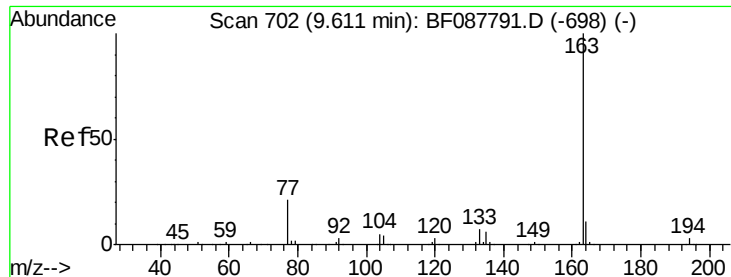
Tgt Ion:172 Resp: 660202
Ion Ratio Lower Upper
172 100
171 36.0 28.6 43.0
170 23.9 19.2 28.8



#45
1,1'-Biphenyl
Concen: Below Cal
RT: 9.15 min Scan# 662
Delta R.T. -0.01 min
Lab File: BF088139.D
Acq: 18 Jun 2016 17:39

Tgt Ion:154 Resp: 689
Ion Ratio Lower Upper
154 100
153 55.6 20.6 60.6
76 0.0 0.0 35.1





#49

Dimethylphthalate

Concen: 28.83 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.02 min

Lab File: BF088139.D

Acq: 18 Jun 2016 17:39

Instrument :

BNA_F

ClientSampleId :

SB12-1-3

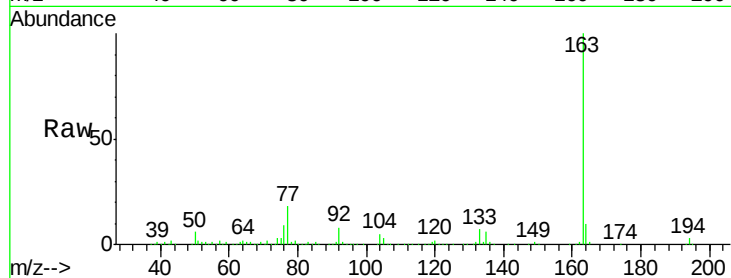
Tgt Ion:163 Resp: 305416

Ion Ratio Lower Upper

163 100

194 3.3 2.8 4.2

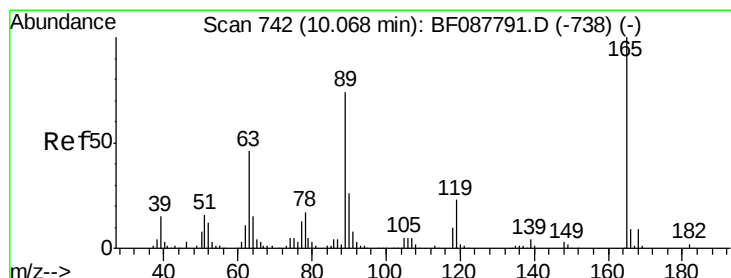
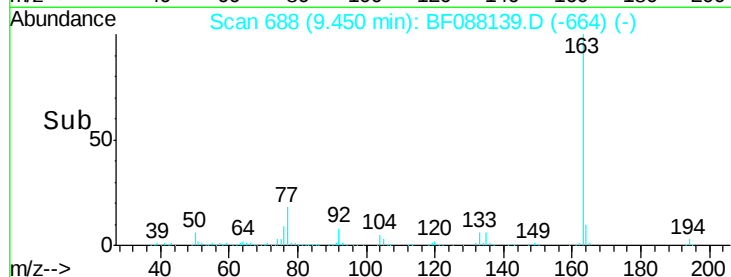
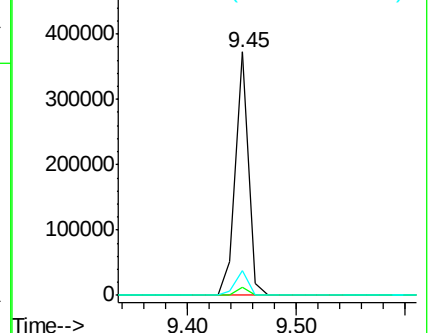
164 9.9 8.3 12.5



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: 6.35 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.22 min

Lab File: BF088139.D

Acq: 18 Jun 2016 17:39

Tgt Ion:165 Resp: 19784

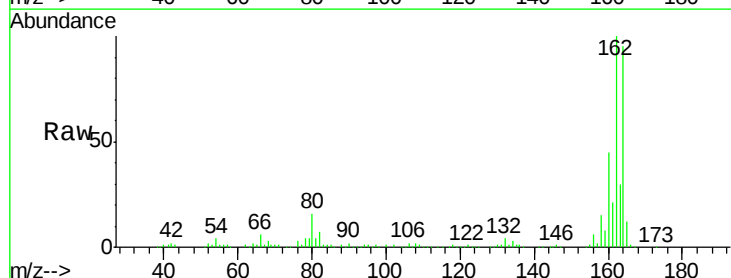
Ion Ratio Lower Upper

165 100

63 1.8 22.0 33.0#

89 1.7 41.1 61.7#

182 0.0 2.0 3.0#

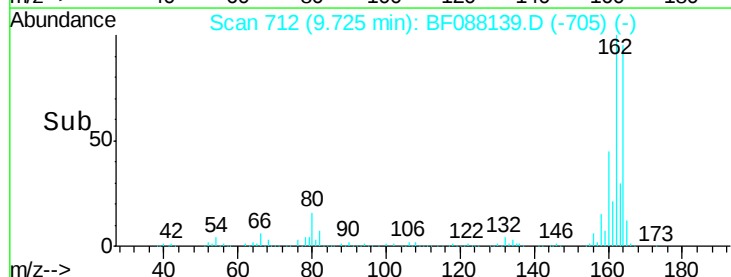
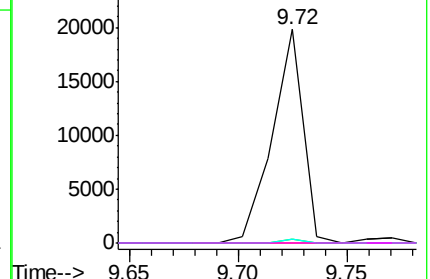


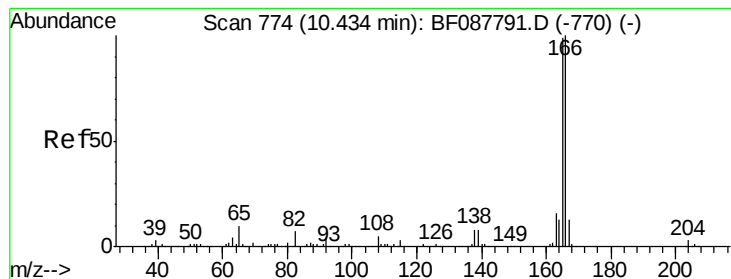
Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.27 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF088139.D

Acq: 18 Jun 2016 17:39

Instrument :

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ClientSampleId :

SB12-1-3

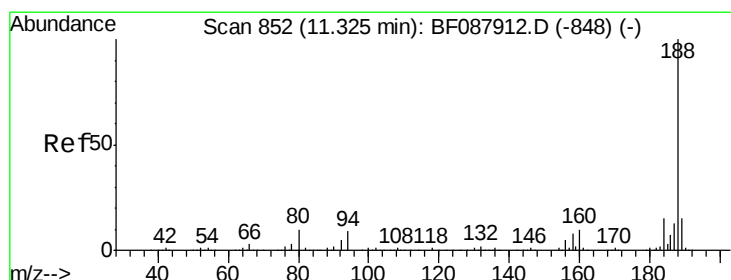
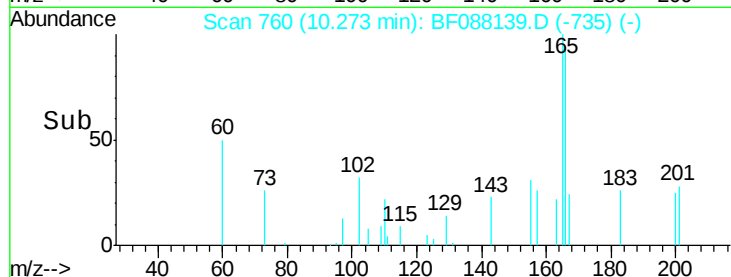
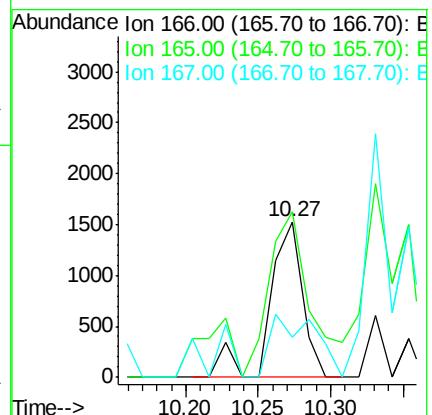
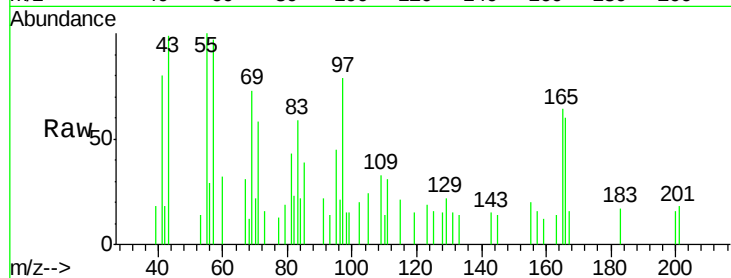
Tgt Ion:166 Resp: 2336

Ion Ratio Lower Upper

166 100

165 106.1 77.8 116.8

167 25.9 11.2 16.8#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.20 min Scan# 841

Delta R.T. -0.01 min

Lab File: BF088139.D

Acq: 18 Jun 2016 17:39

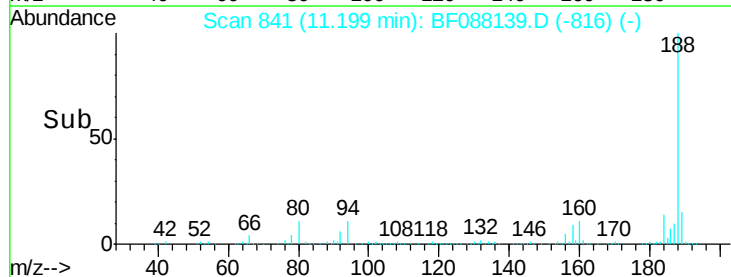
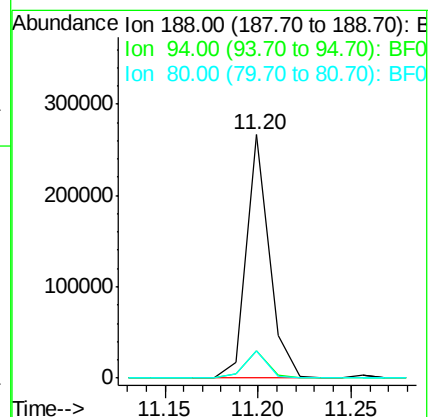
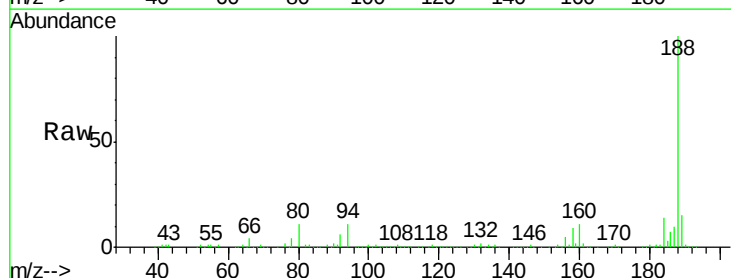
Tgt Ion:188 Resp: 228317

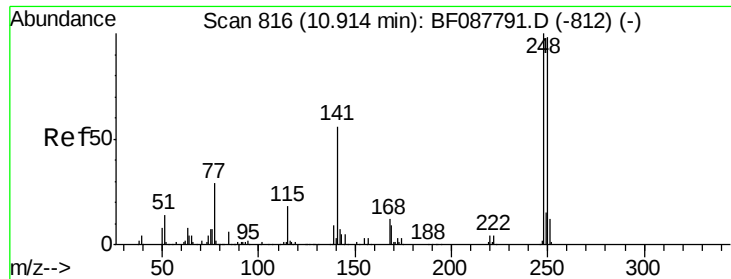
Ion Ratio Lower Upper

188 100

94 11.0 9.0 13.6

80 11.2 10.0 15.0





#66

4-Bromophenyl-phenylether

Concen: 2.65 ng

RT: 10.51 min Scan# 781

Delta R.T. -0.25 min

Lab File: BF088139.D

Acq: 18 Jun 2016 17:39

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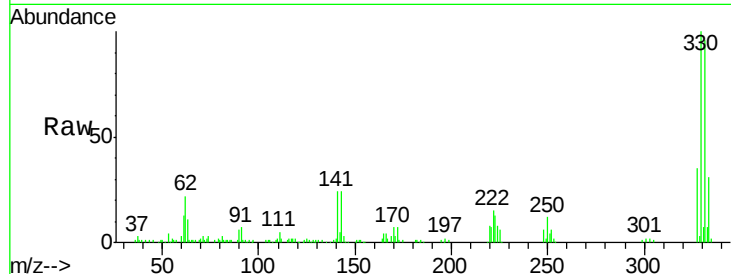
Tgt Ion:248 Resp: 6480

Ion Ratio Lower Upper

248 100

250 198.5 77.1 115.7#

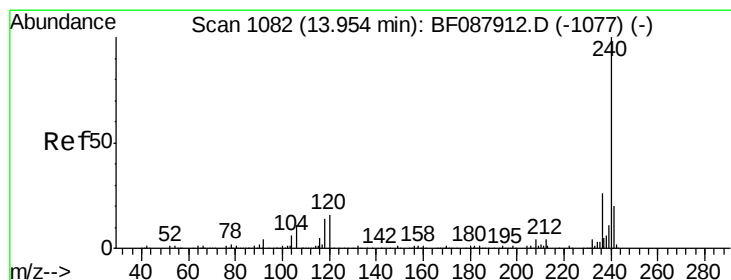
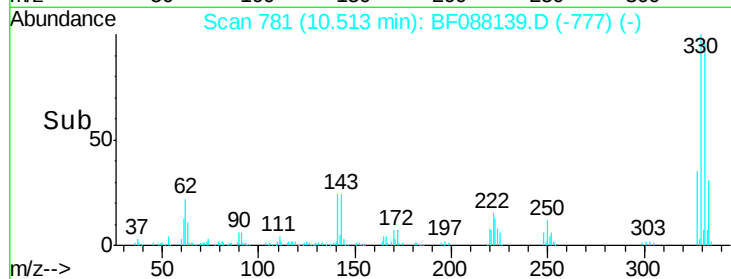
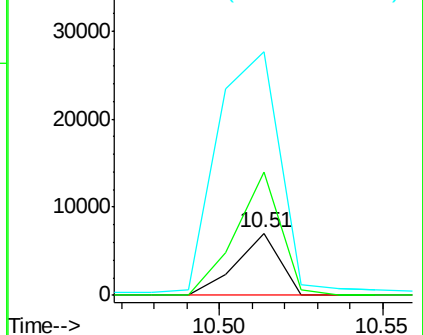
141 390.7 50.6 76.0#



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: 13.83 min Scan# 1071

Delta R.T. -0.02 min

Lab File: BF088139.D

Acq: 18 Jun 2016 17:39

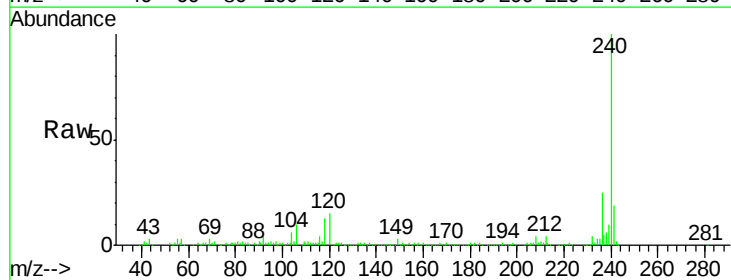
Tgt Ion:240 Resp: 189260

Ion Ratio Lower Upper

240 100

120 14.6 6.8 10.2#

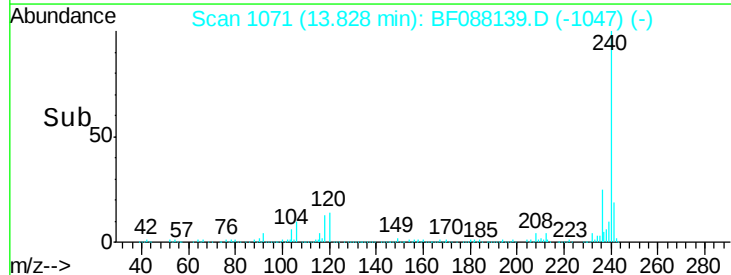
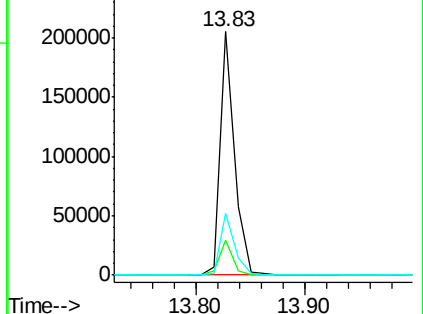
236 25.3 20.2 30.2

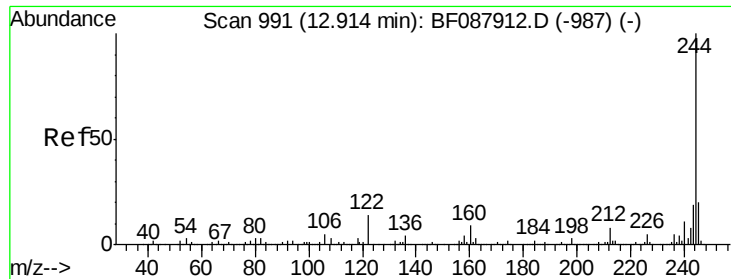


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

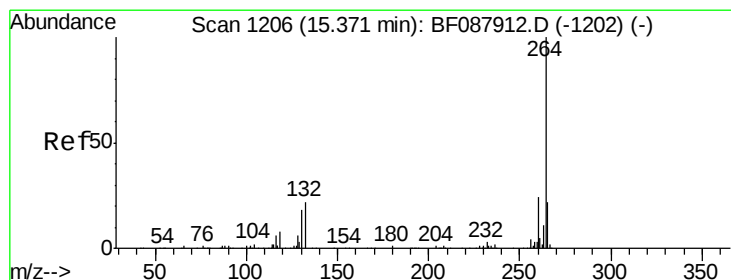
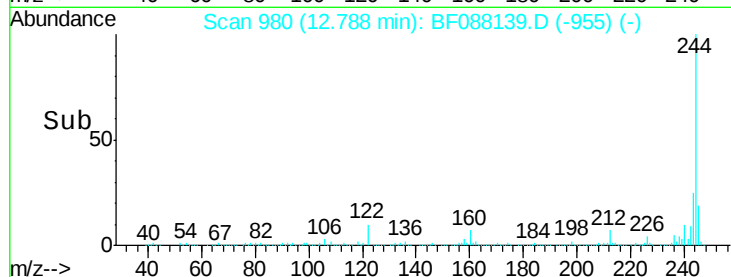
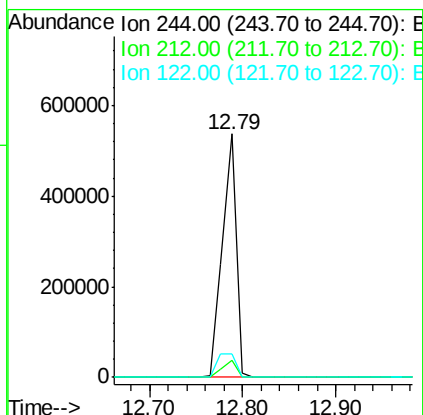
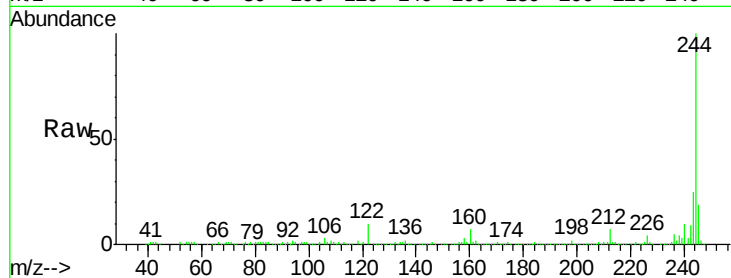




#78
 Terphenyl-d14
 Concen: 66.35 ng
 RT: 12.79 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: BF088139.D
 Acq: 18 Jun 2016 17:39

Instrument :
 BNA_F
 ClientSampleId :
 SB12-1-3

Tgt Ion:244 Resp: 551807
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 9.6 11.2 16.8#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.21 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF088139.D
 Acq: 18 Jun 2016 17:39

Tgt Ion:264 Resp: 150585
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 22.0 16.9 25.3

