

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061816\
 Data File : BF088136.D
 Acq On : 18 Jun 2016 16:12
 Operator : UM/SJ
 Sample : H3501-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SED3-0-6

Quant Time: Jun 19 07:44:23 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

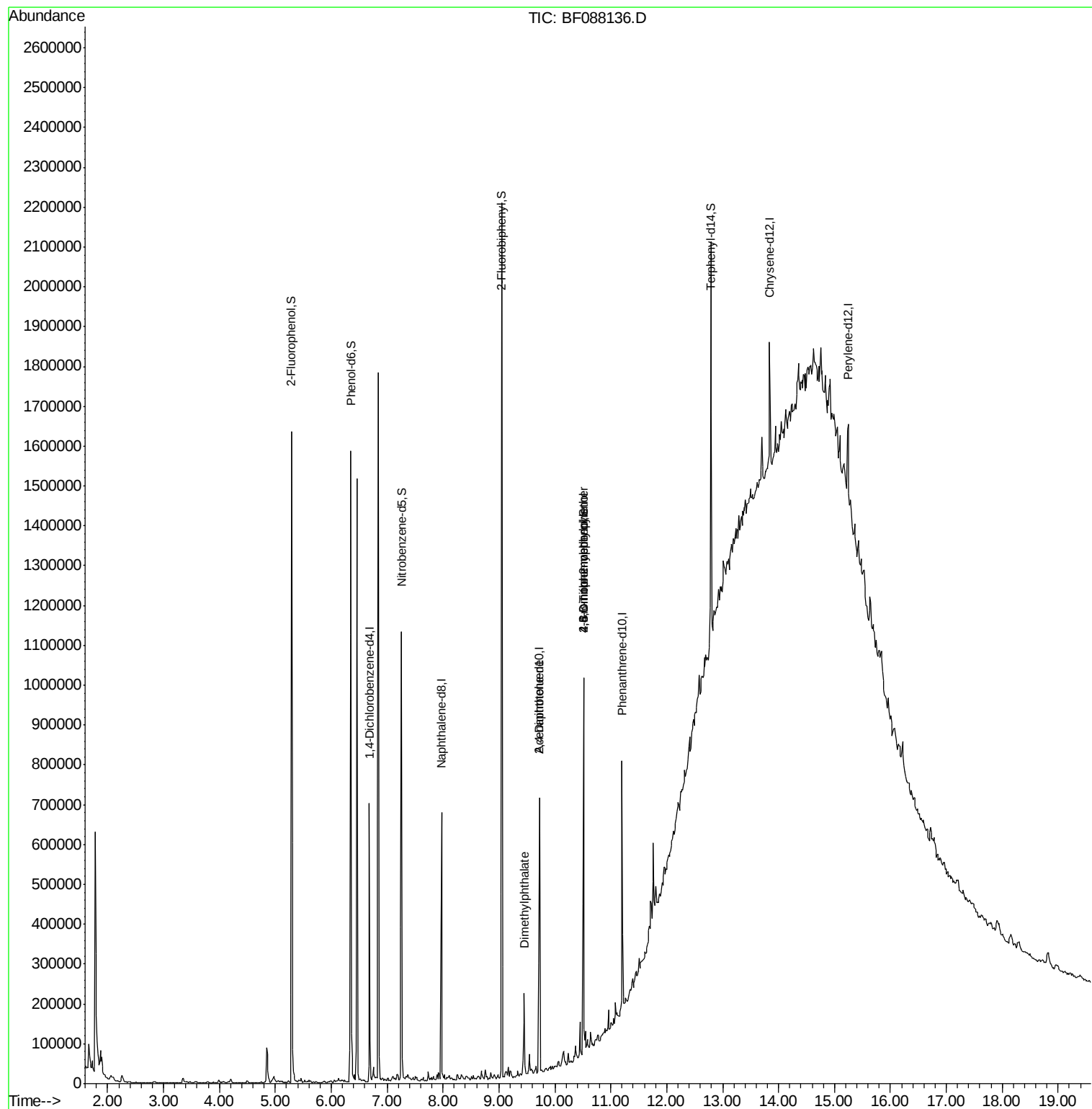
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	100751	20.00	ng	-0.01
21) Naphthalene-d8	7.98	136	373646	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	147045	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	225191	20.00	ng	-0.01
75) Chrysene-d12	13.84	240	149095	20.00	ng	-0.01
86) Perylene-d12	15.25	264	112755	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	558460	94.76	ng	0.01
7) Phenol-d6	6.35	99	756237	105.88	ng	0.00
23) Nitrobenzene-d5	7.26	82	382211	59.73	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	119754	77.13	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	691299	73.08	ng	-0.02
78) Terphenyl-d14	12.79	244	457746	69.86	ng	-0.01
Target Compounds						
10) Phenol	6.36	94	5701	Below Cal	#	73
45) 1,1'-Biphenyl	9.15	154	296	Below Cal	#	43
49) Dimethylphthalate	9.45	163	85621	8.04	ng	99
56) 2,4-Dinitrotoluene	9.72	165	19130	6.10	ng	# 38
57) Fluorene	10.27	166	732	Below Cal	#	88
64) 4,6-Dinitro-2-methylphenol	10.51	198	230	2.32	ng	# 1
66) 4-Bromophenyl-phenylether	10.51	248	8364	3.46	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: BF088136.D

Acq: 18 Jun 2016 16:12

Instrument :

BNA_F

ClientSampleId :

SED3-0-6

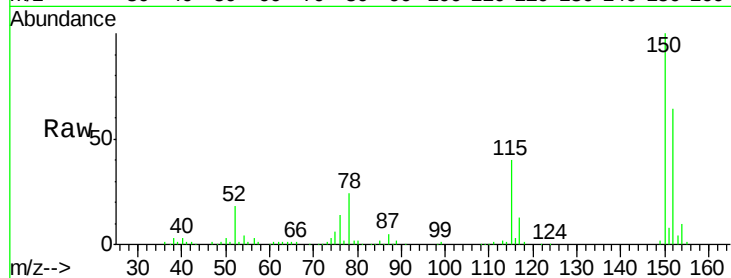
Tgt Ion:152 Resp: 100751

Ion Ratio Lower Upper

152 100

150 157.1 123.8 185.6

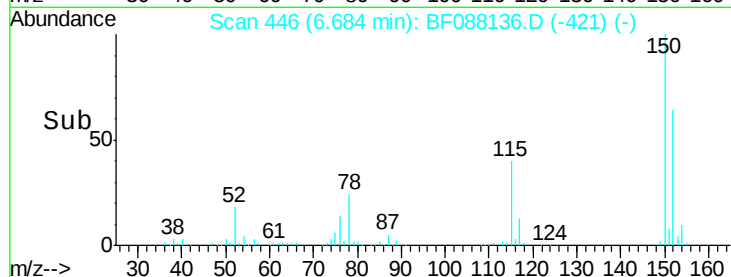
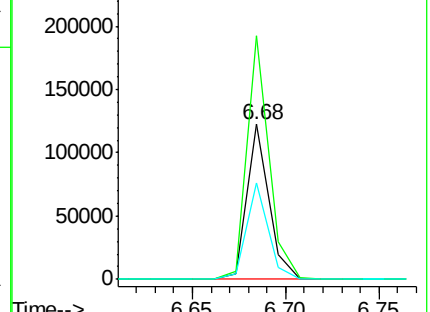
115 62.1 39.6 59.4#



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: 94.76 ng

RT: 5.29 min Scan# 324

Delta R.T. 0.01 min

Lab File: BF088136.D

Acq: 18 Jun 2016 16:12

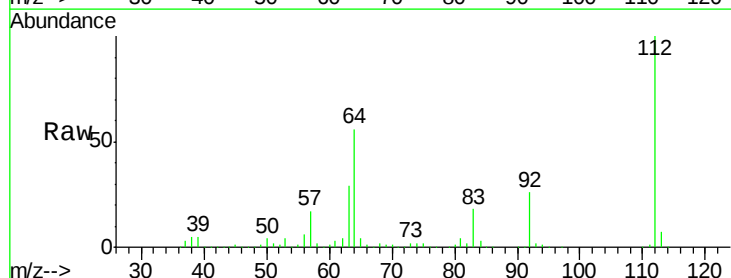
Tgt Ion:112 Resp: 558460

Ion Ratio Lower Upper

112 100

64 55.8 42.2 63.2

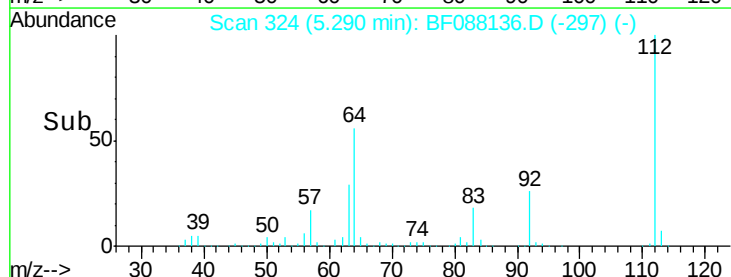
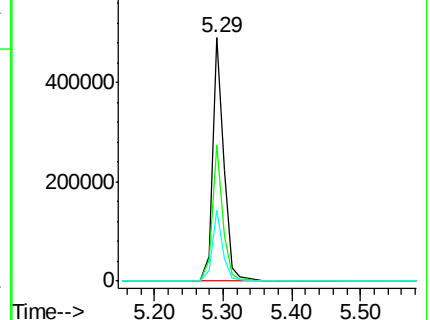
63 29.2 21.8 32.8

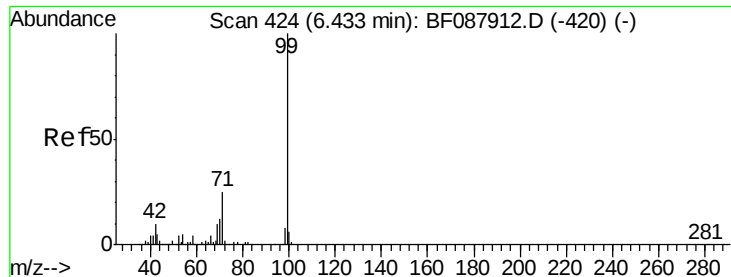


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 105.88 ng

RT: 6.35 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF088136.D

Acq: 18 Jun 2016 16:12

Instrument :

BNA_F

ClientSampleId :

SED3-0-6

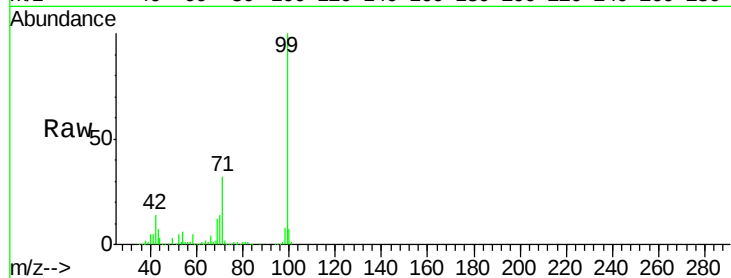
Tgt Ion: 99 Resp: 756237

Ion Ratio Lower Upper

99 100

42 13.9 12.2 18.2

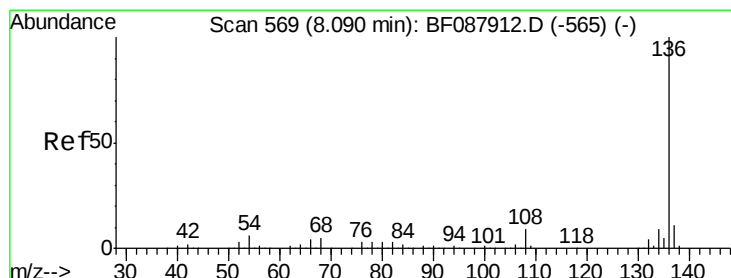
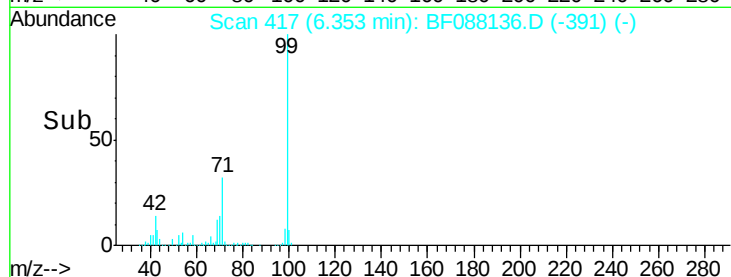
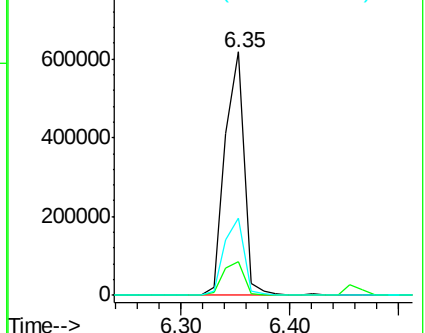
71 31.8 23.4 35.0



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 559

Delta R.T. -0.01 min

Lab File: BF088136.D

Acq: 18 Jun 2016 16:12

Tgt Ion: 136 Resp: 373646

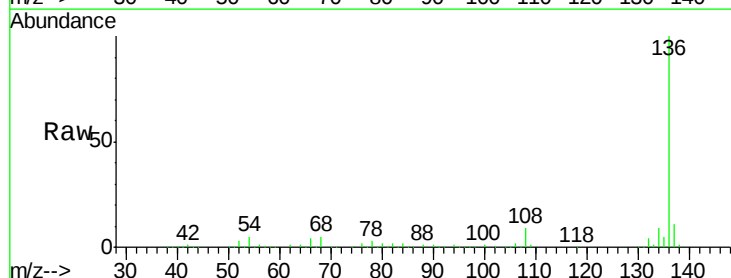
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 5.1 6.6 10.0#

68 4.5 5.1 7.7#

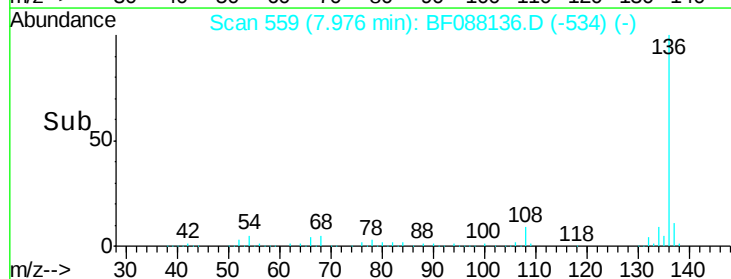
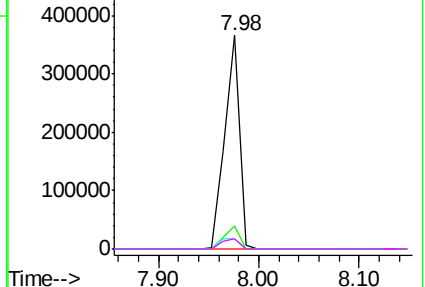


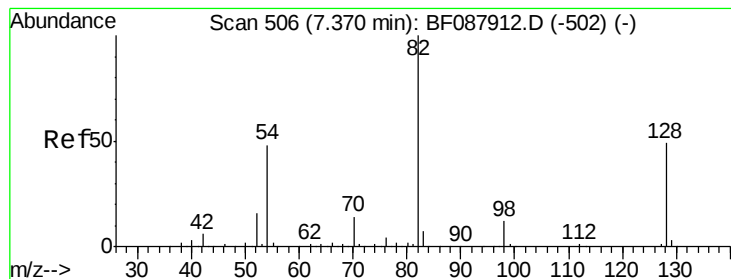
Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.73 ng

RT: 7.26 min Scan# 496

Delta R.T. -0.02 min

Lab File: BF088136.D

Acq: 18 Jun 2016 16:12

Instrument :

BNA_F

ClientSampled :

SED3-0-6

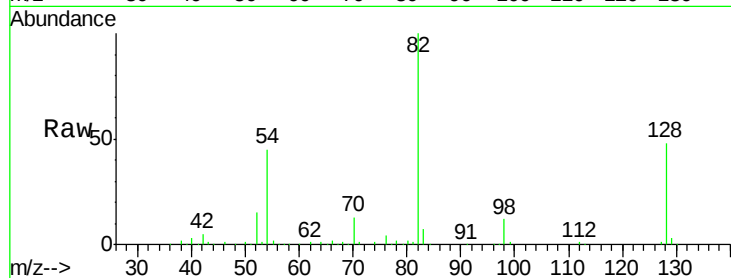
Tgt Ion: 82 Resp: 382211

Ion Ratio Lower Upper

82 100

128 48.2 35.9 53.9

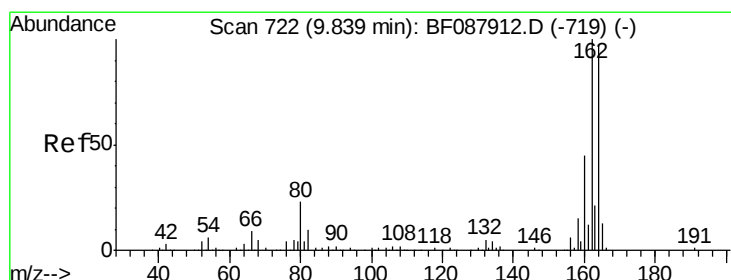
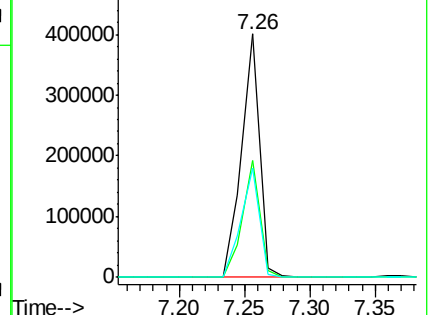
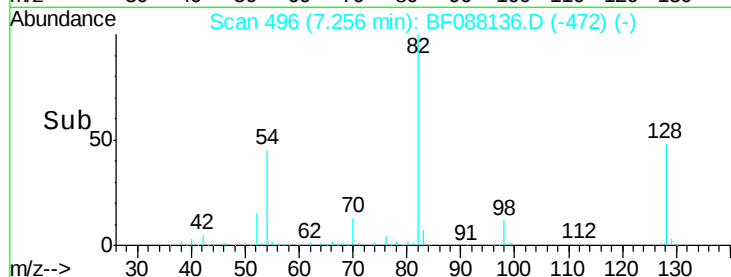
54 44.9 40.9 61.3



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: 9.72 min Scan# 712

Delta R.T. -0.01 min

Lab File: BF088136.D

Acq: 18 Jun 2016 16:12

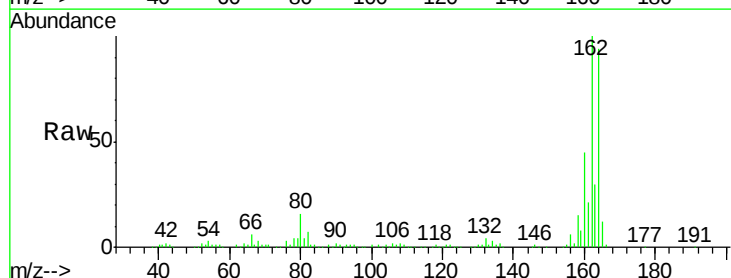
Tgt Ion: 164 Resp: 147045

Ion Ratio Lower Upper

164 100

162 106.8 85.4 128.2

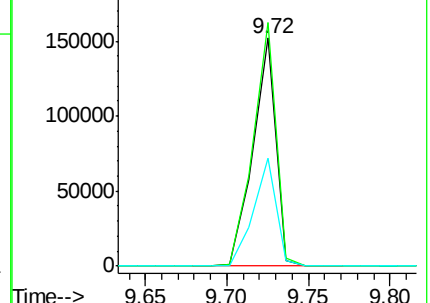
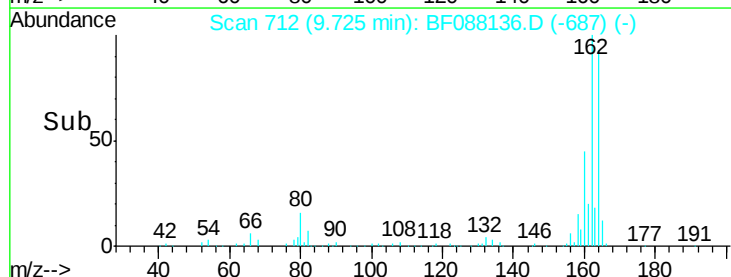
160 47.6 39.5 59.3



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

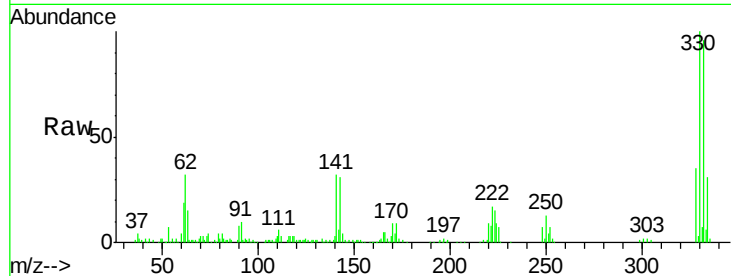




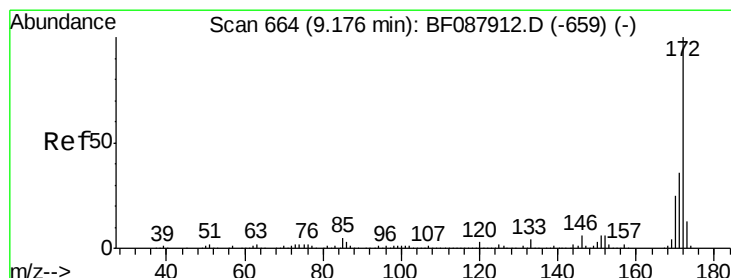
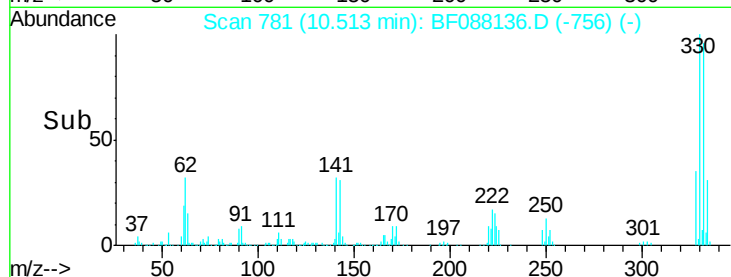
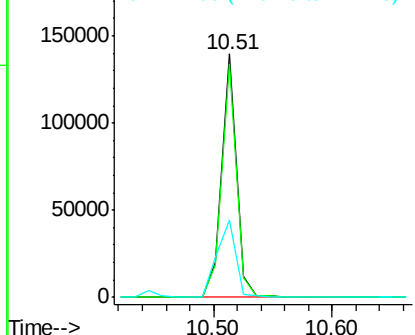
#41
 2,4,6-Tribromophenol
 Concen: 77.13 ng
 RT: 10.51 min Scan# 781
 Delta R.T. -0.01 min
 Lab File: BF088136.D
 Acq: 18 Jun 2016 16:12

Instrument :
 BNA_F
 ClientSampleId :
 SED3-0-6

Tgt Ion:330 Resp: 119754
 Ion Ratio Lower Upper
 330 100
 332 95.8 0.0 0.0#
 141 39.4 0.0 0.0#

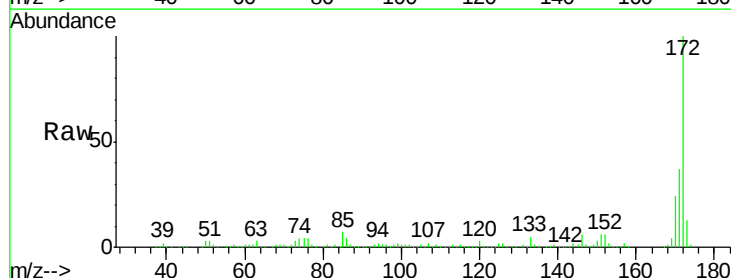


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

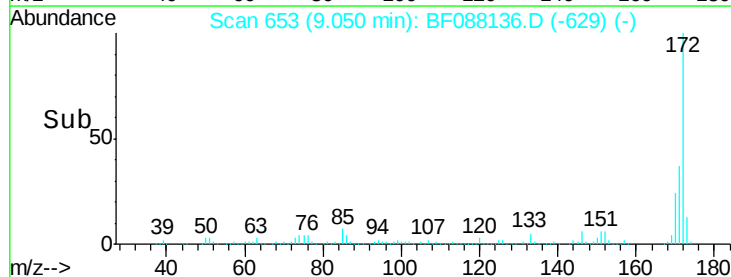
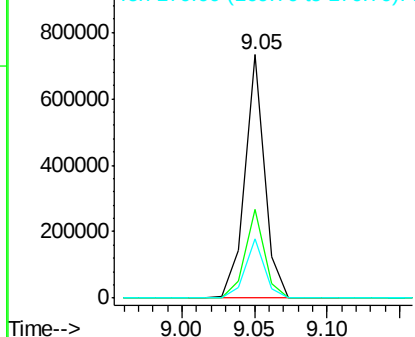


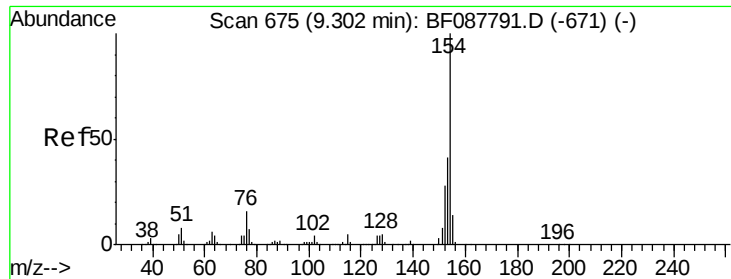
#44
 2-Fluorobiphenyl
 Concen: 73.08 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF088136.D
 Acq: 18 Jun 2016 16:12

Tgt Ion:172 Resp: 691299
 Ion Ratio Lower Upper
 172 100
 171 36.6 28.6 43.0
 170 24.2 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: 9.15 min Scan# 662

Delta R.T. -0.01 min

Lab File: BF088136.D

Acq: 18 Jun 2016 16:12

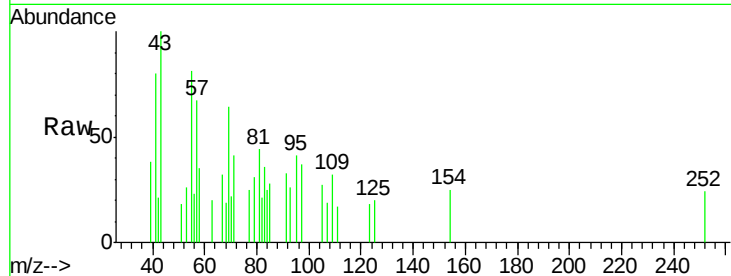
Instrument :

BNA_F

ClientSampleId :

SED3-0-6

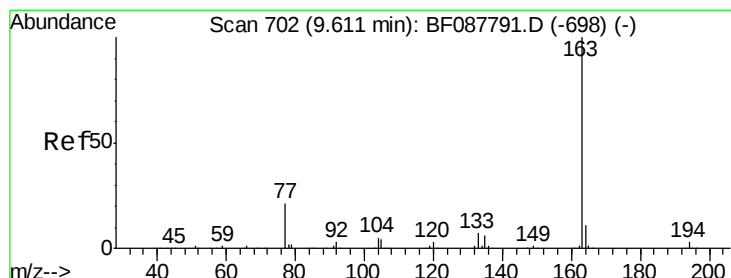
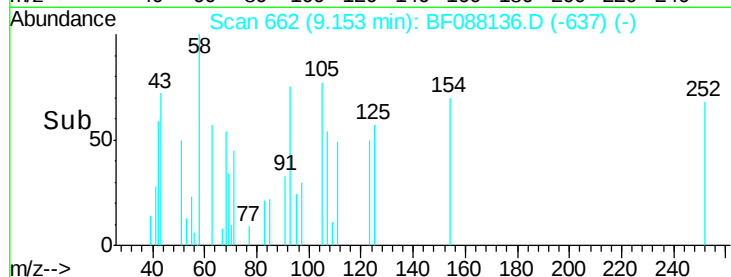
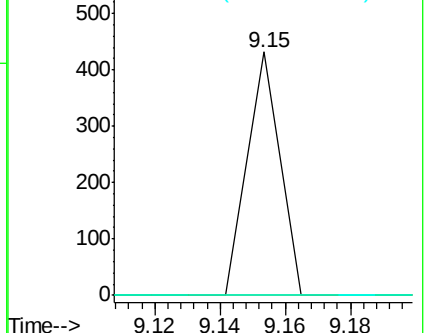
Tgt Ion:	154	Resp:	296
Ion Ratio	Lower	Upper	
154	100		
153	0.0	20.6	60.6#
76	0.0	0.0	35.1



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



#49

Dimethylphthalate

Concen: 8.04 ng

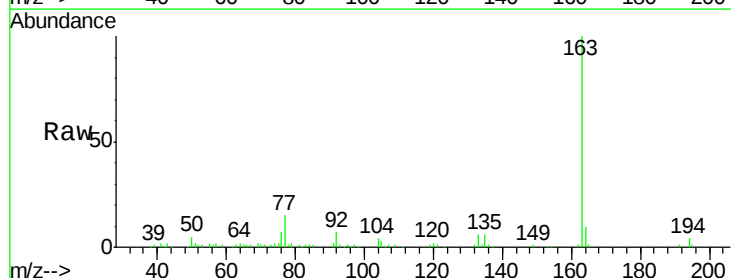
RT: 9.45 min Scan# 688

Delta R.T. -0.02 min

Lab File: BF088136.D

Acq: 18 Jun 2016 16:12

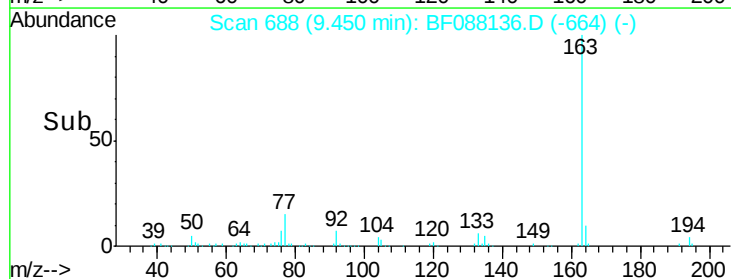
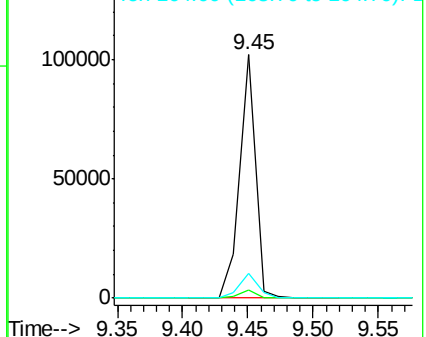
Tgt Ion:	163	Resp:	85621
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.8	4.2
164	10.1	8.3	12.5

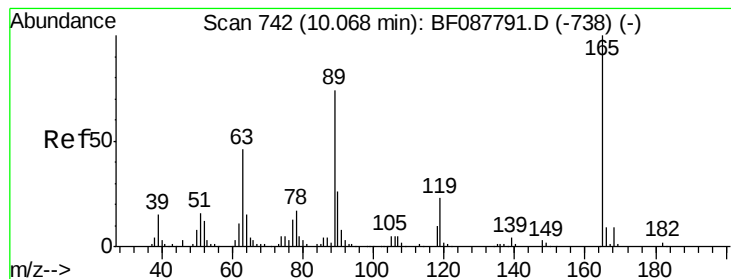


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#56

2,4-Dinitrotoluene

Concen: 6.10 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.22 min

Lab File: BF088136.D

Acq: 18 Jun 2016 16:12

Instrument :

BNA_F

ClientSampleId :

SED3-0-6

Tgt Ion:165 Resp: 19130

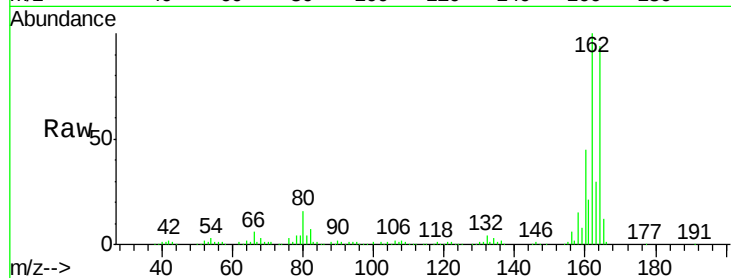
Ion Ratio Lower Upper

165 100

63 1.9 22.0 33.0#

89 1.8 41.1 61.7#

182 0.0 2.0 3.0#

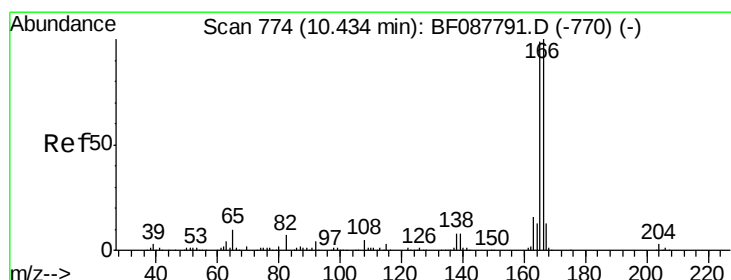
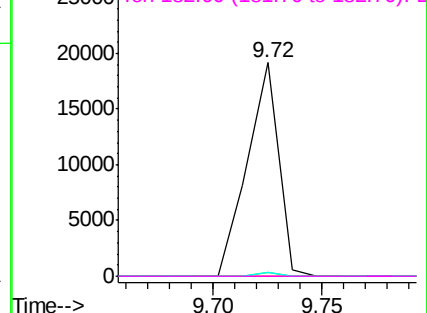
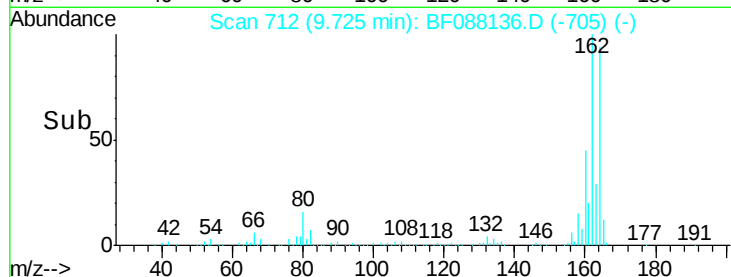


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF088136.D

Acq: 18 Jun 2016 16:12

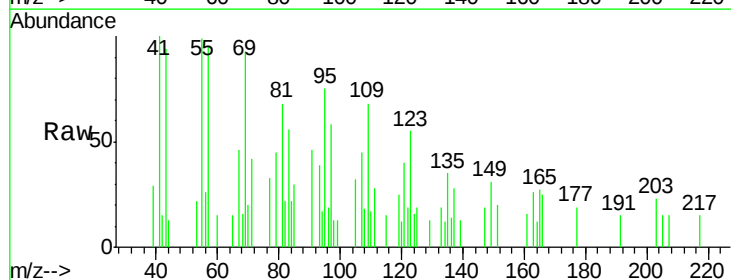
Tgt Ion:166 Resp: 732

Ion Ratio Lower Upper

166 100

165 105.8 77.8 116.8

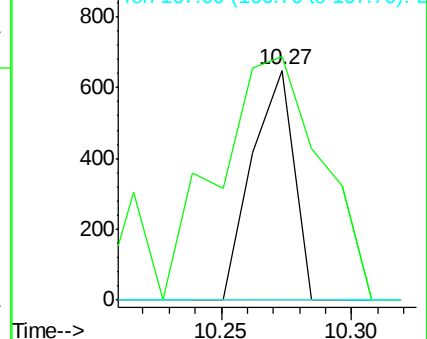
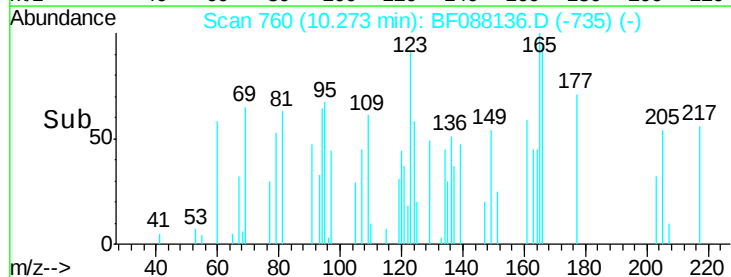
167 0.0 11.2 16.8#

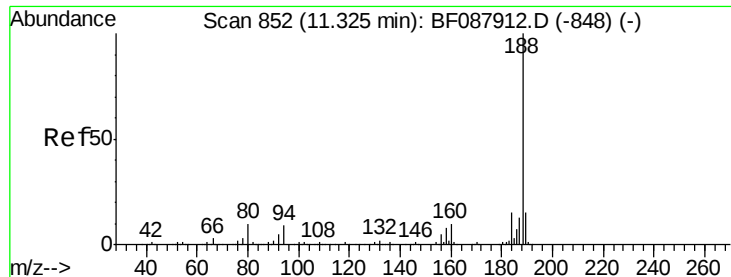


Abundance Ion 166.00 (165.70 to 166.70): E

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: 11.20 min Scan# 841

Delta R.T. -0.01 min

Lab File: BF088136.D

Acq: 18 Jun 2016 16:12

Instrument :

BNA_F

ClientSampleId :

SED3-0-6

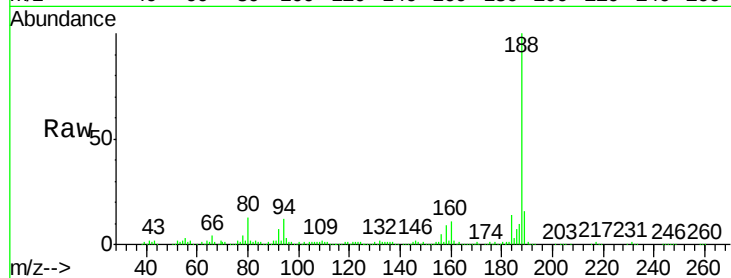
Tgt Ion:188 Resp: 225191

Ion Ratio Lower Upper

188 100

94 12.2 9.0 13.6

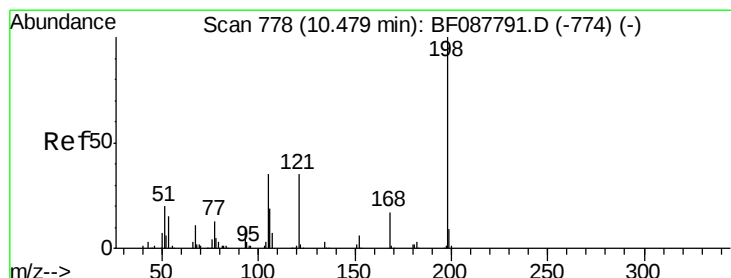
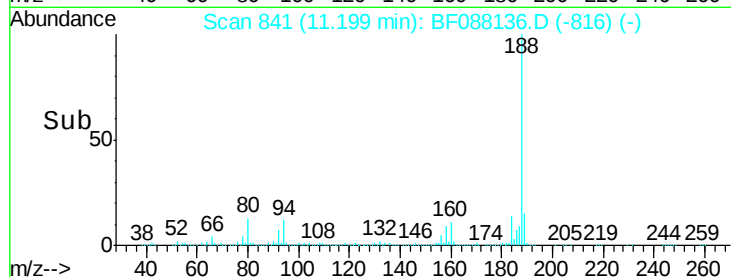
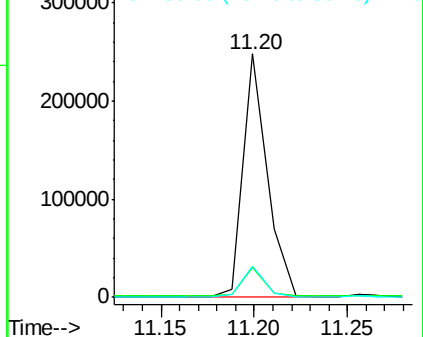
80 12.9 10.0 15.0



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: 2.32 ng

RT: 10.51 min Scan# 781

Delta R.T. 0.16 min

Lab File: BF088136.D

Acq: 18 Jun 2016 16:12

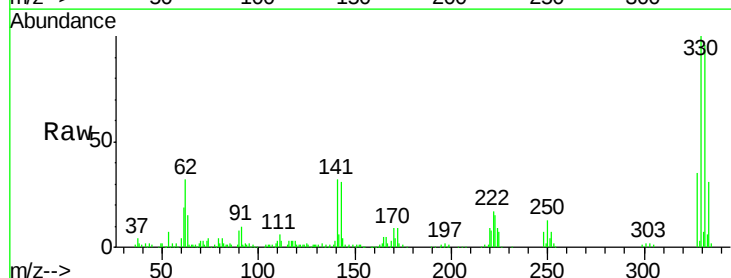
Tgt Ion:198 Resp: 230

Ion Ratio Lower Upper

198 100

51 172.0 39.6 79.6#

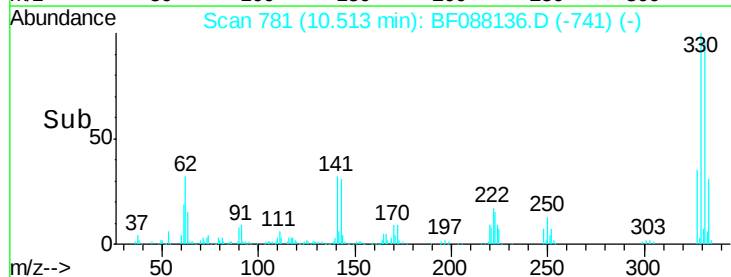
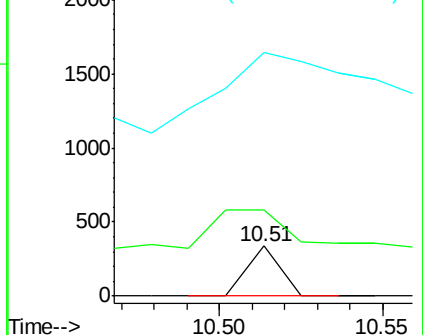
105 489.0 36.6 76.6#

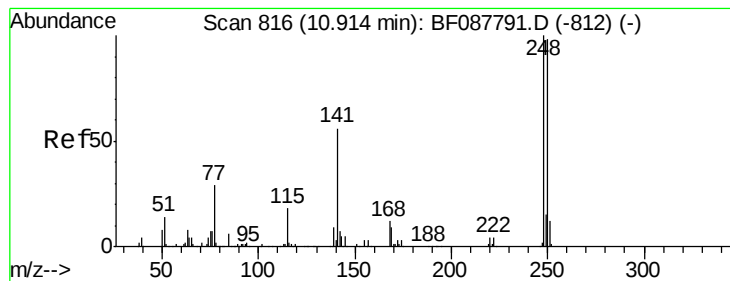


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 3.46 ng

RT: 10.51 min Scan# 781

Delta R.T. -0.25 min

Lab File: BF088136.D

Acq: 18 Jun 2016 16:12

Instrument :

BNA_F

ClientSampleId :

SED3-0-6

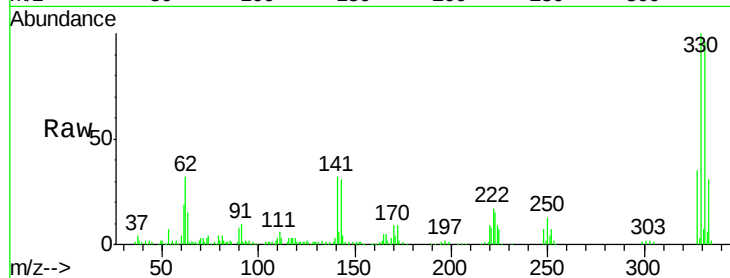
Tgt Ion:248 Resp: 8364

Ion Ratio Lower Upper

248 100

250 193.1 77.1 115.7#

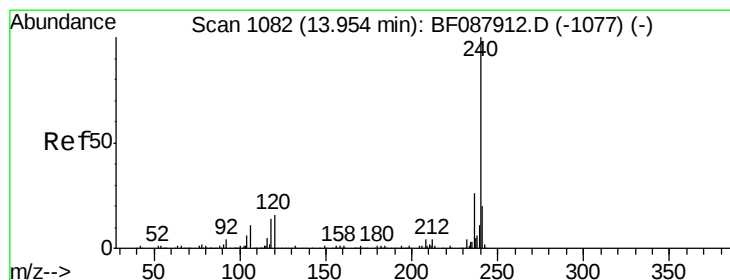
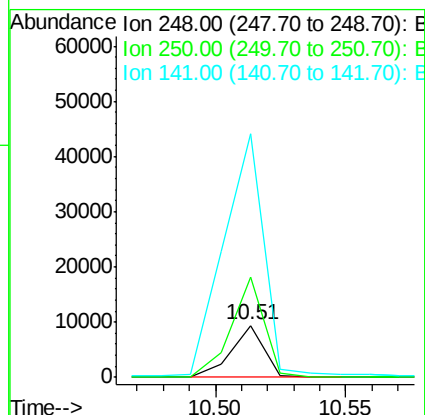
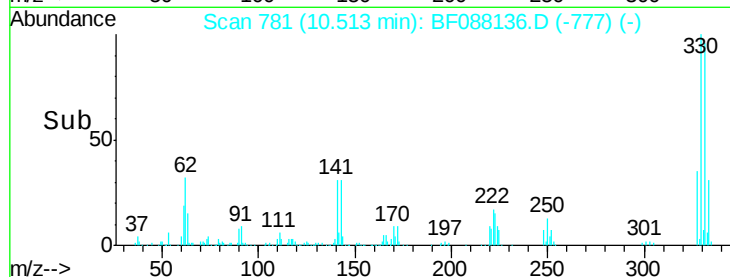
141 468.3 50.6 76.0#



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: 13.84 min Scan# 1072

Delta R.T. -0.01 min

Lab File: BF088136.D

Acq: 18 Jun 2016 16:12

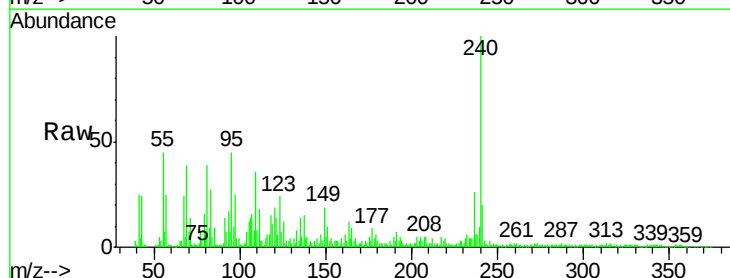
Tgt Ion:240 Resp: 149095

Ion Ratio Lower Upper

240 100

120 18.9 6.8 10.2#

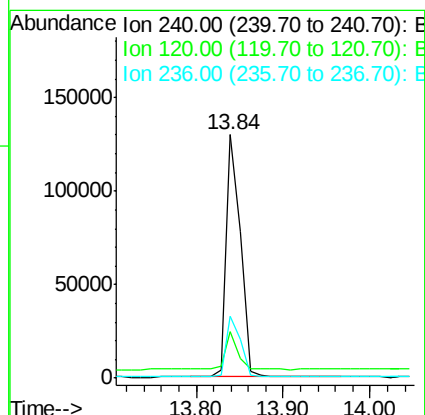
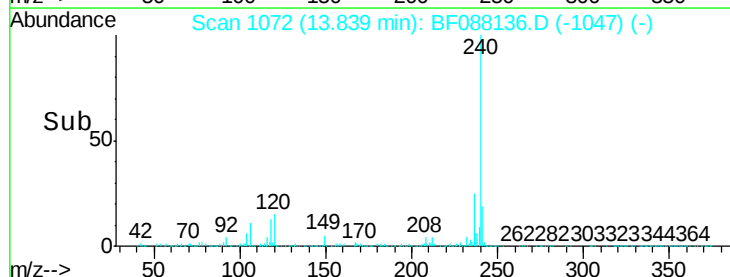
236 25.6 20.2 30.2

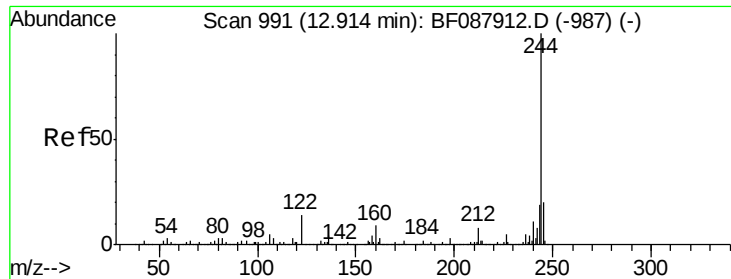


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

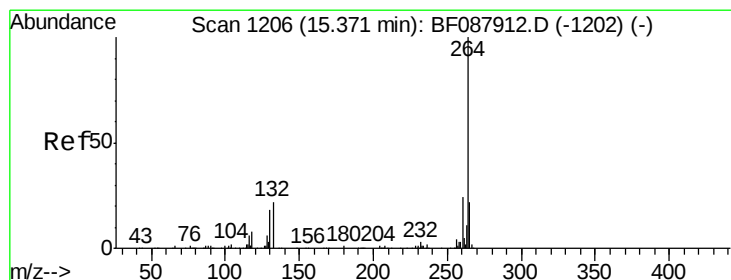
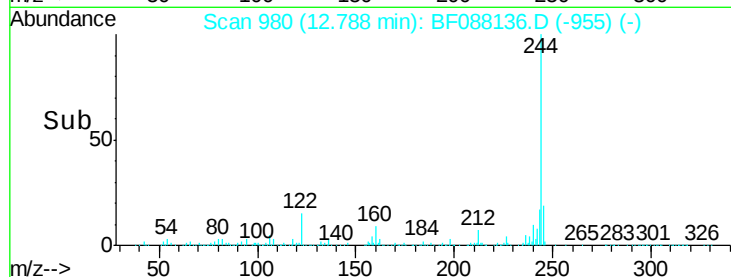
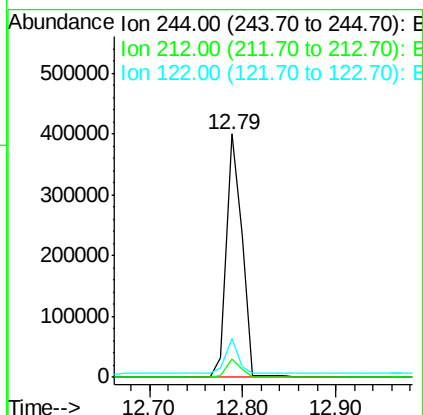
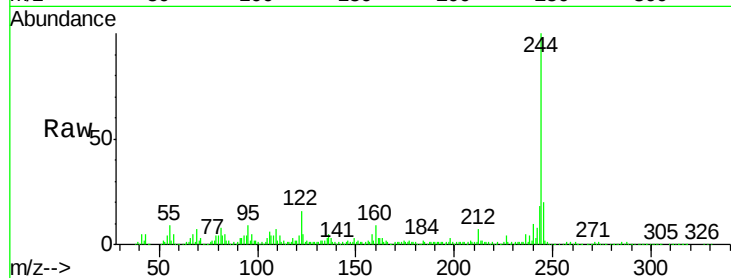




#78
 Terphenyl-d14
 Concen: 69.86 ng
 RT: 12.79 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: BF088136.D
 Acq: 18 Jun 2016 16:12

Instrument :
 BNA_F
 ClientSampled :
 SED3-0-6

Tgt Ion:244 Resp: 457746
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.0 9.0
 122 16.2 11.2 16.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.25 min Scan# 1195
 Delta R.T. 0.02 min
 Lab File: BF088136.D
 Acq: 18 Jun 2016 16:12

Tgt Ion:264 Resp: 112755
 Ion Ratio Lower Upper
 264 100
 260 25.0 19.2 28.8
 265 22.3 16.9 25.3

