

Data Path : Z:\HPCHEM1\BNA F\Data\BF112916\
 Data File : BF091330.D
 Acq On : 29 Nov 2016 16:45
 Operator : UM/SJ
 Sample : H5696-01DL 2X
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 29 18:10:26 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 29 13:33:46 2016
 Response via : Initial Calibration

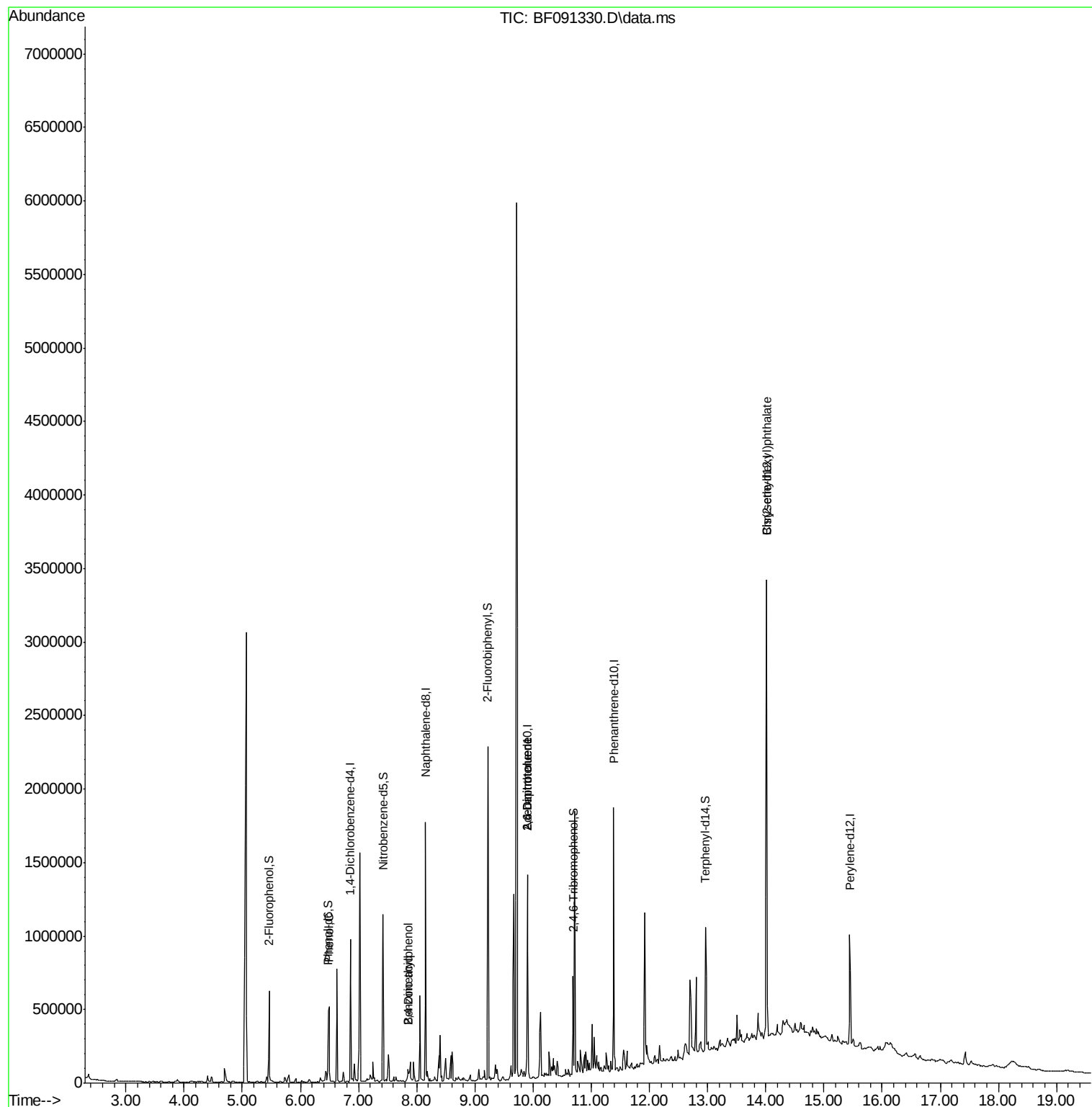
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.859	152	181951	20.00	ng	-0.02
21) Naphthalene-d8	8.150	136	768625	20.00	ng	-0.02
38) Acenaphthene-d10	9.899	164	390825	20.00	ng	-0.02
63) Phenanthrene-d10	11.385	188	632578	20.00	ng	-0.02
75) Chrysene-d12	14.014	240	355257	20.00	ng	-0.03
86) Perylene-d12	15.442	264	395556	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.464	112	145010	13.02	ng	0.00
7) Phenol-d6	6.482	99	128503	9.37	ng	-0.02
23) Nitrobenzene-d5	7.419	82	319960	23.33	ng	-0.03
41) 2,4,6-Tribromophenol	10.688	330	81907	22.14	ng	-0.02
44) 2-Fluorobiphenyl	9.225	172	654727	30.33	ng	-0.02
78) Terphenyl-d14	12.962	244	324570	19.86	ng	-0.03
Target Compounds						
10) Phenol	6.493	94	119100	7.38	ng	Qvalue 92
27) 2,4-Dimethylphenol	7.853	122	24042	2.01	ng	# 1
32) Benzoic acid	7.853	122	24042	2.72	ng	92
50) 2,6-Dinitrotoluene	9.899	165	51123	9.67	ng	# 17
56) 2,4-Dinitrotoluene	9.899	165	51356	7.49	ng	# 34
83) Bis(2-ethylhexyl)phtha...	14.014	149	570918	44.62	ng	# 94

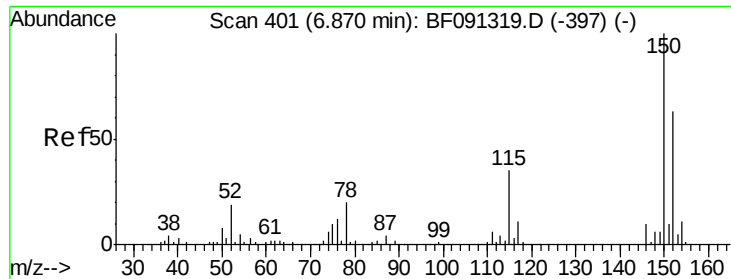
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.859 min Scan# 401

Delta R.T. -0.017 min

Lab File: BF091330.D

Acq: 29 Nov 2016 16:45

Instrument :

BNA_F

ClientSampleId :

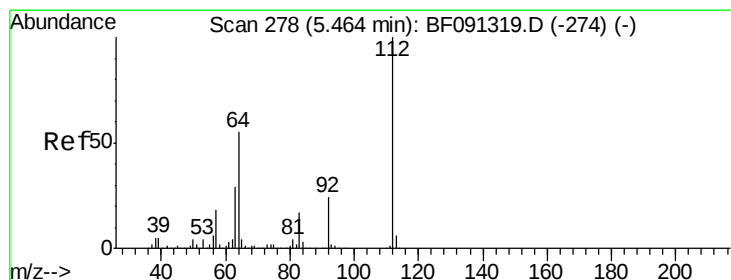
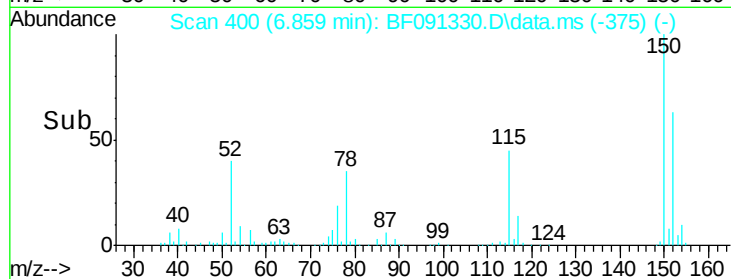
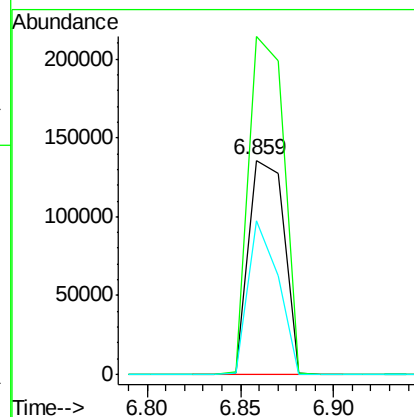
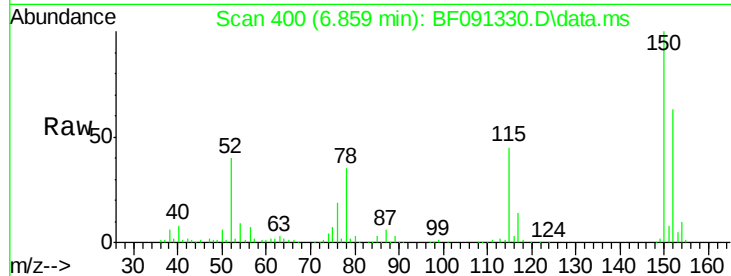
Tot Ion:152 Resp: 181951

Ion Ratio Lower Upper

152 100

150 157.7 122.5 183.7

115 71.5 51.8 77.8



#5

2-Fluorophenol

Concen: 13.02 ng

RT: 5.464 min Scan# 278

Delta R.T. -0.005 min

Lab File: BF091330.D

Acq: 29 Nov 2016 16:45

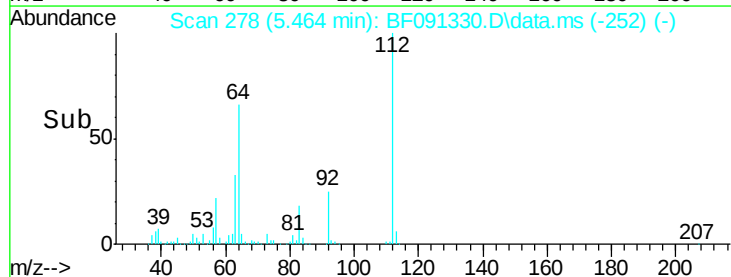
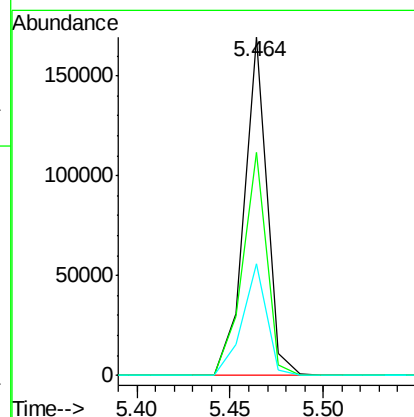
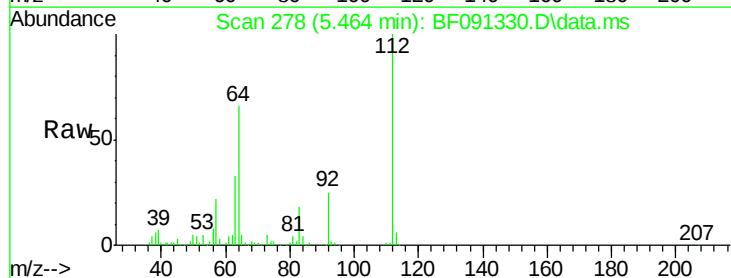
Tgt Ion:112 Resp: 145010

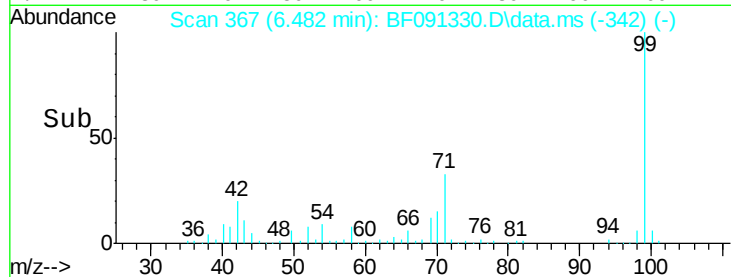
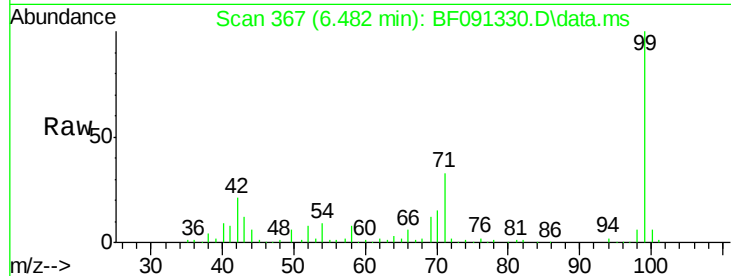
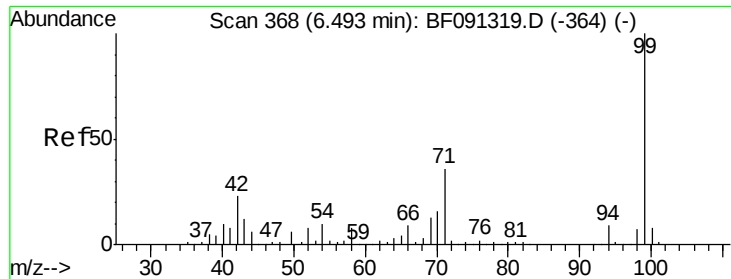
Ion Ratio Lower Upper

112 100

64 65.9 61.5 92.3

63 32.9 33.3 49.9#





#7

Phenol-d6

Concen: 9.37 ng

RT: 6.482 min Scan# 36

Delta R.T. -0.017 min

Lab File: BF091330.D

Acq: 29 Nov 2016 16:45

Instrument :

BNA_F

ClientSampleId :

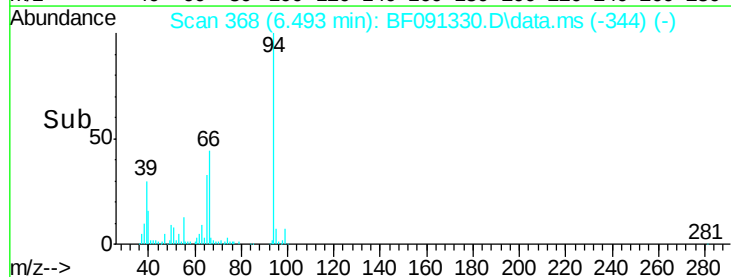
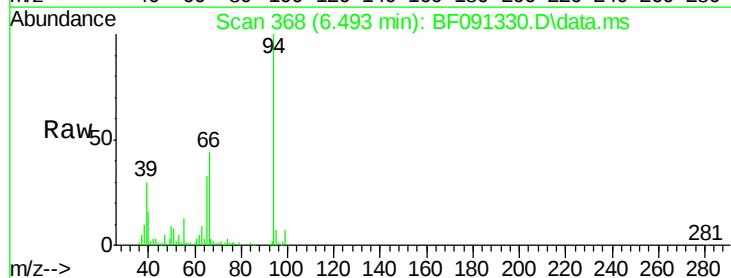
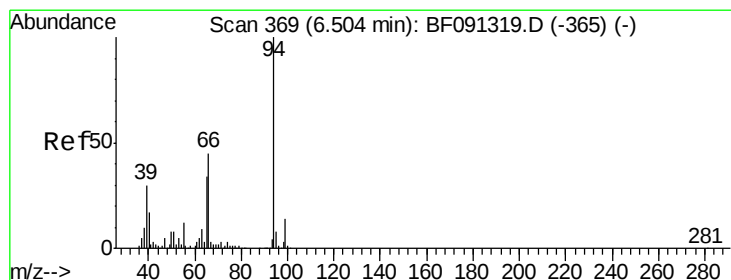
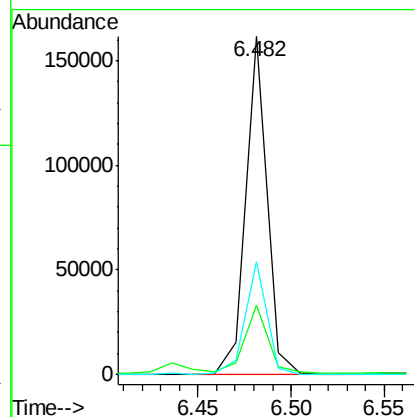
Tot Ion: 99 Resp: 128503

Ion Ratio Lower Upper

99 100

42 20.6 20.6 31.0#

71 33.3 29.9 44.9



#10

Phenol

Concen: 7.38 ng

RT: 6.493 min Scan# 368

Delta R.T. -0.029 min

Lab File: BF091330.D

Acq: 29 Nov 2016 16:45

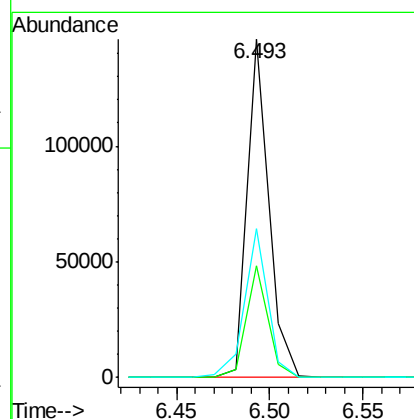
Tgt Ion: 94 Resp: 119100

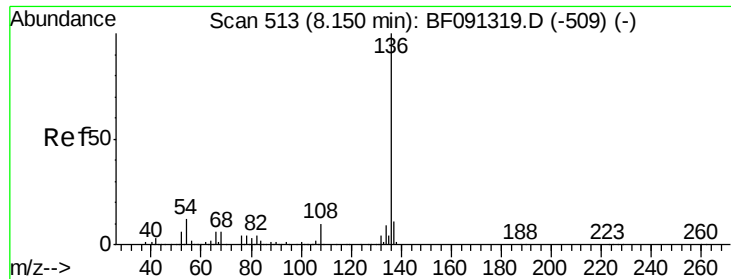
Ion Ratio Lower Upper

94 100

65 33.0 16.9 56.9

66 43.8 30.6 70.6





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.150 min Scan# 51

Delta R.T. -0.017 min

Lab File: BF091330.D

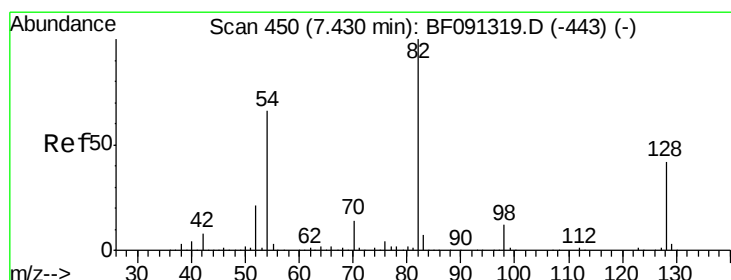
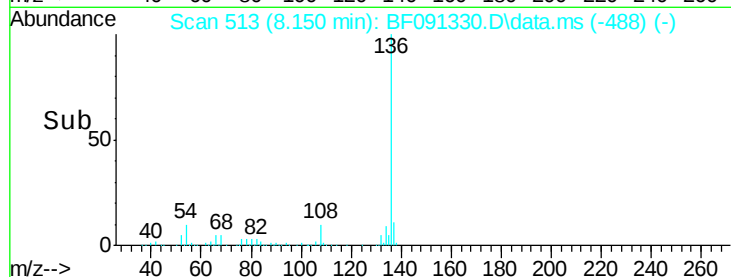
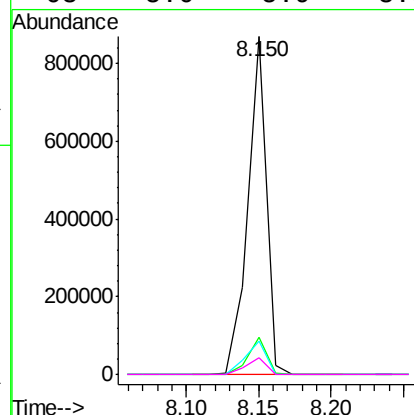
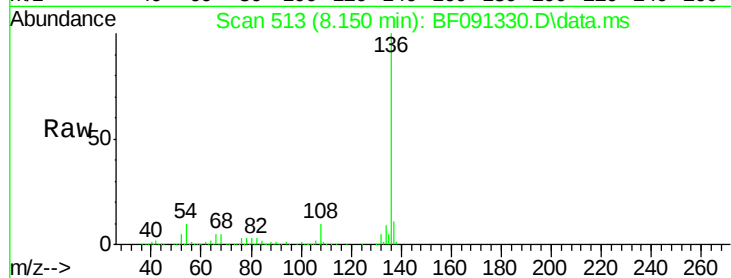
Acq: 29 Nov 2016 16:45

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	136	Resp:	768625
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.1	13.7
54	9.8	9.1	13.7
68	5.0	5.9	8.9#



#23

Nitrobenzene-d5

Concen: 23.33 ng

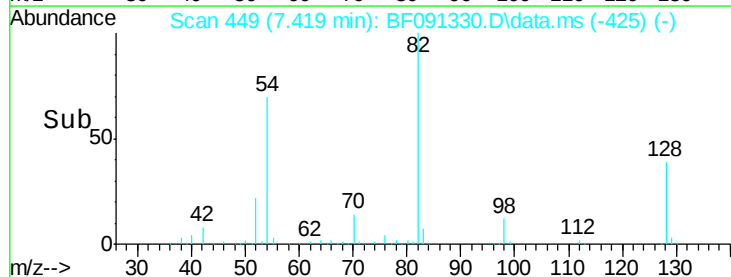
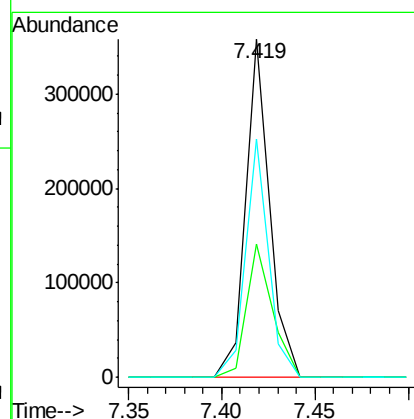
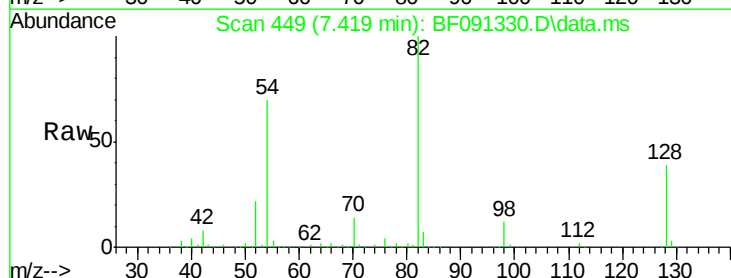
RT: 7.419 min Scan# 449

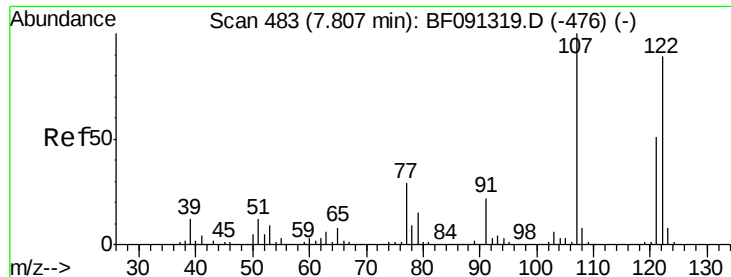
Delta R.T. -0.029 min

Lab File: BF091330.D

Acq: 29 Nov 2016 16:45

Tgt Ion:	82	Resp:	319960
Ion Ratio	Lower	Upper	
82	100		
128	39.3	31.8	47.6
54	70.4	49.1	73.7





#27

2,4-Dimethylphenol

Concen: 2.01 ng

RT: 7.853 min Scan# 48

Delta R.T. 0.040 min

Lab File: BF091330.D

Acq: 29 Nov 2016 16:45

Instrument :

BNA_F

ClientSampleId :

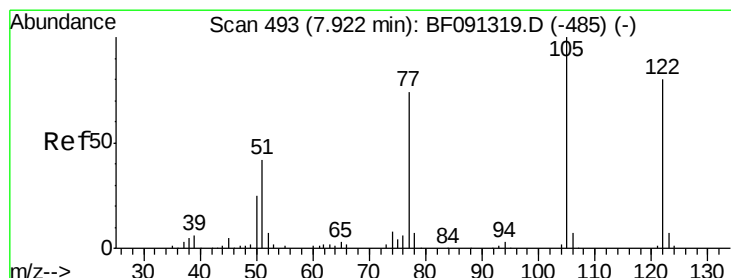
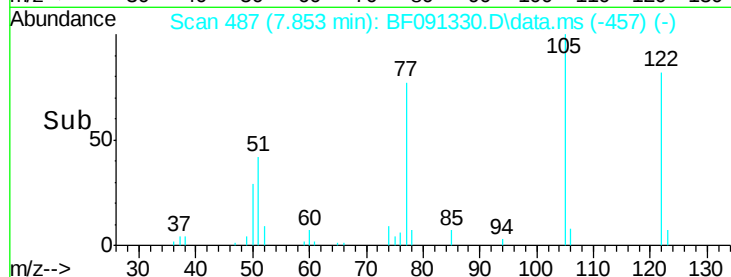
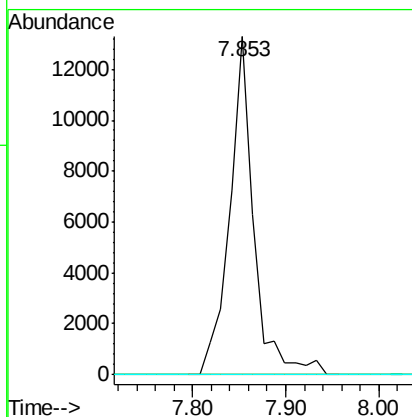
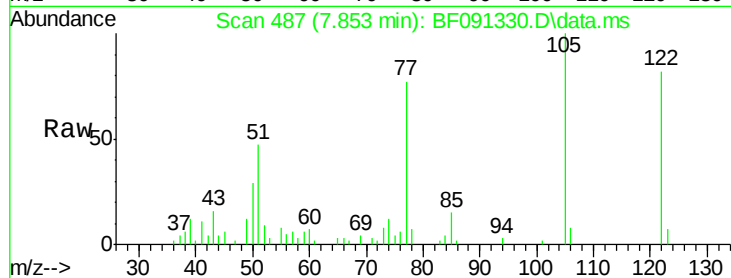
Tot Ion:122 Resp: 24042

Ion Ratio Lower Upper

122 100

107 0.0 96.8 145.2#

121 0.0 47.7 71.5#



#32

Benzoic acid

Concen: 2.72 ng

RT: 7.853 min Scan# 487

Delta R.T. -0.085 min

Lab File: BF091330.D

Acq: 29 Nov 2016 16:45

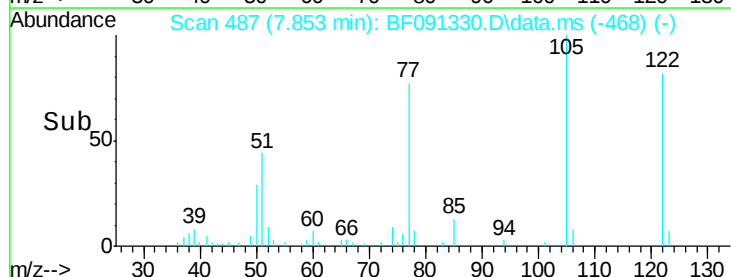
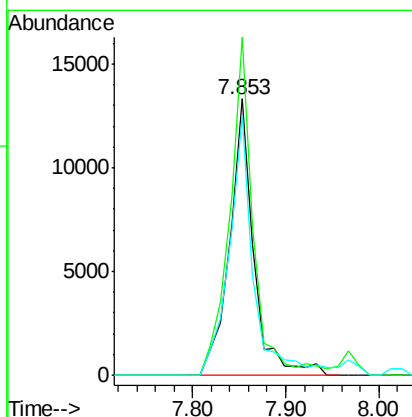
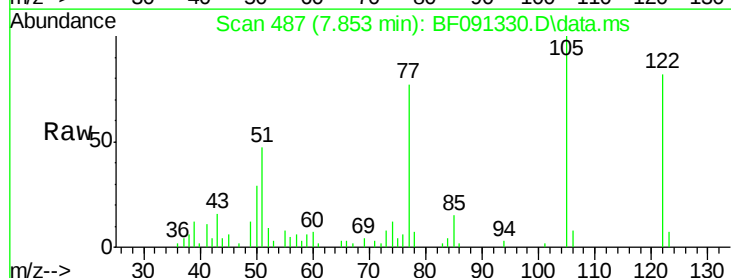
Tgt Ion:122 Resp: 24042

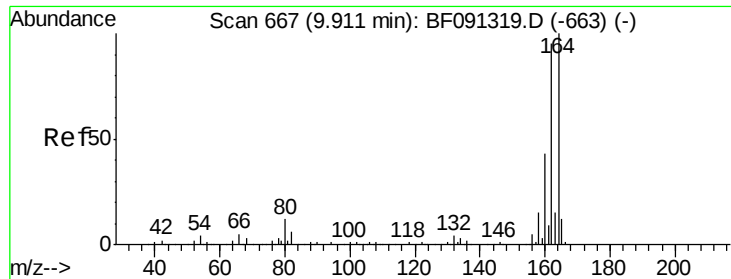
Ion Ratio Lower Upper

122 100

105 122.5 113.0 153.0

77 94.1 82.0 122.0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.899 min Scan# 66

Delta R.T. -0.017 min

Lab File: BF091330.D

Acq: 29 Nov 2016 16:45

Instrument :

BNA_F

ClientSampleId :

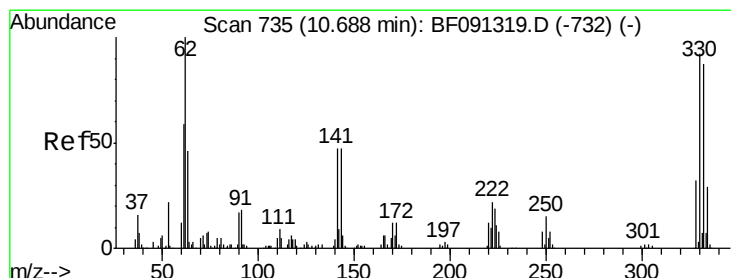
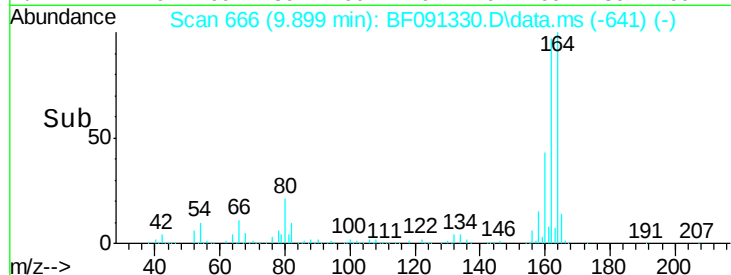
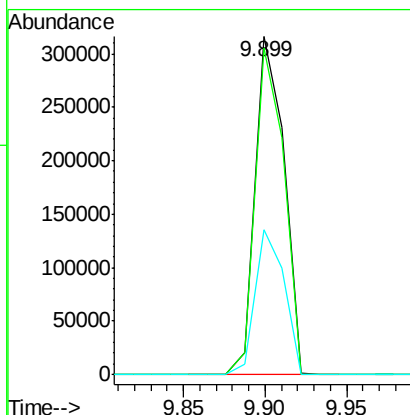
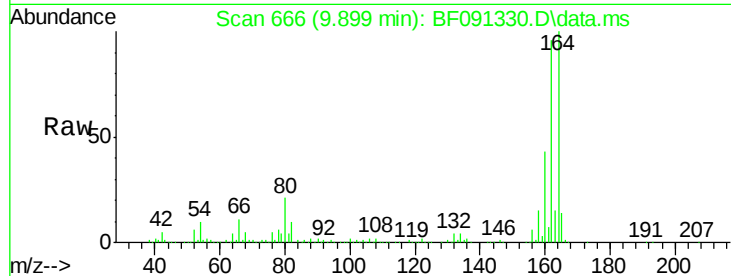
Tot Ion:164 Resp: 390825

Ion Ratio Lower Upper

164 100

162 96.5 82.6 124.0

160 42.7 36.7 55.1



#41

2,4,6-Tribromophenol

Concen: 22.14 ng

RT: 10.688 min Scan# 735

Delta R.T. -0.017 min

Lab File: BF091330.D

Acq: 29 Nov 2016 16:45

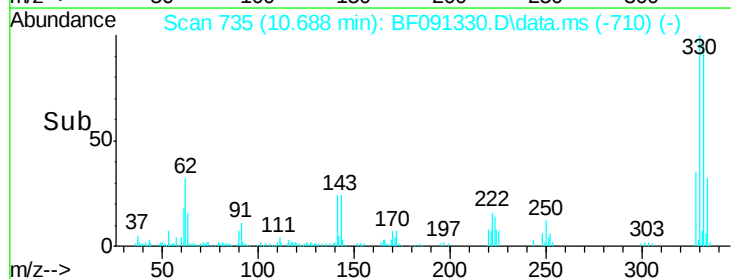
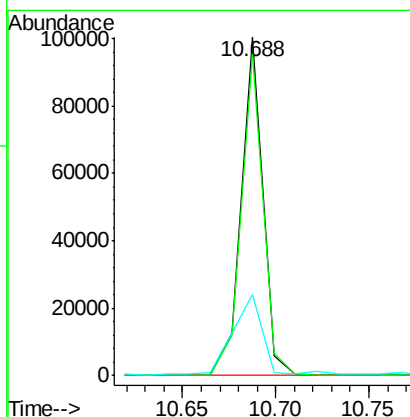
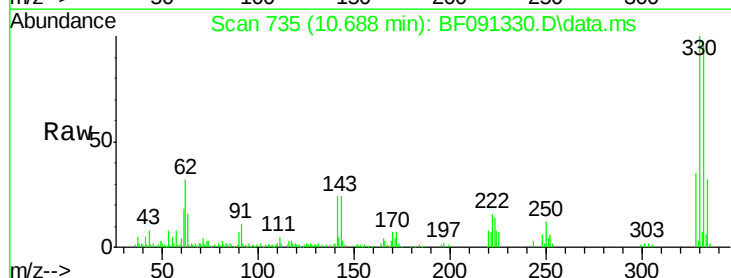
Tgt Ion:330 Resp: 81907

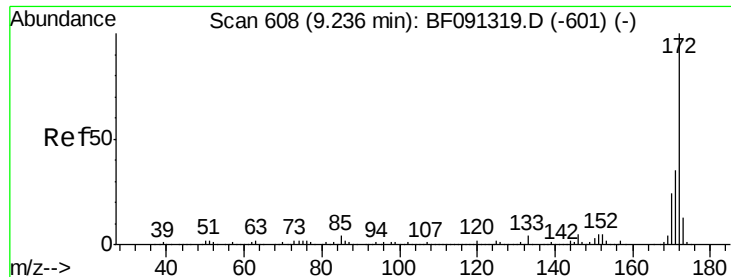
Ion Ratio Lower Upper

330 100

332 95.6 76.2 114.4

141 34.7 33.6 50.4





#44

2-Fluorobiphenyl

Concen: 30.33 ng

RT: 9.225 min Scan# 60

Delta R.T. -0.016 min

Lab File: BF091330.D

Acq: 29 Nov 2016 16:45

Instrument :

BNA_F

ClientSampleId :

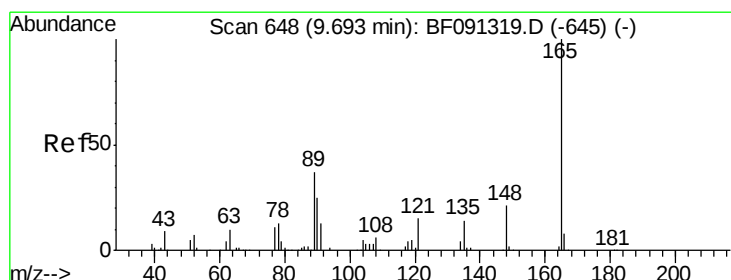
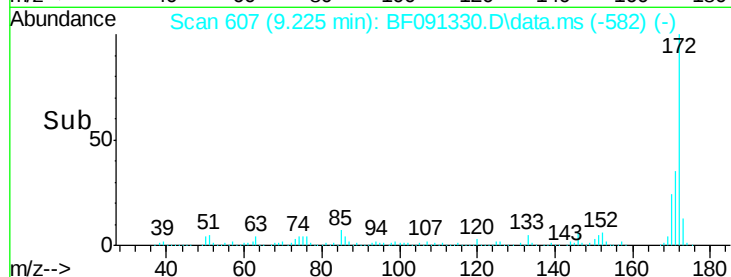
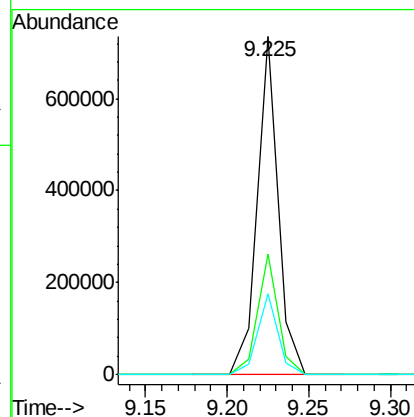
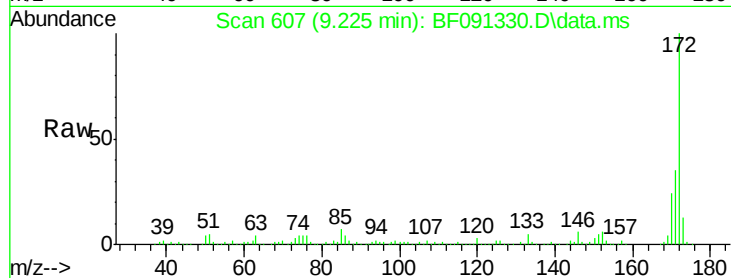
Tot Ion:172 Resp: 654727

Ion Ratio Lower Upper

172 100

171 35.5 29.4 44.0

170 23.9 19.7 29.5



#50

2,6-Dinitrotoluene

Concen: 9.67 ng

RT: 9.899 min Scan# 666

Delta R.T. 0.200 min

Lab File: BF091330.D

Acq: 29 Nov 2016 16:45

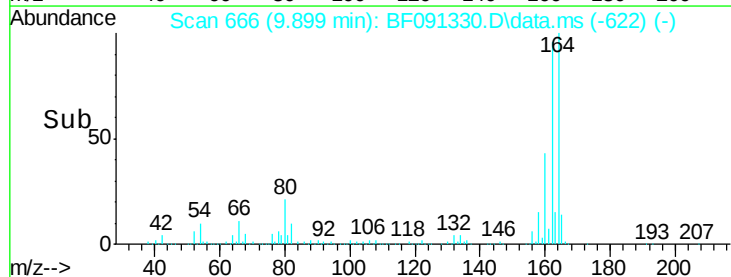
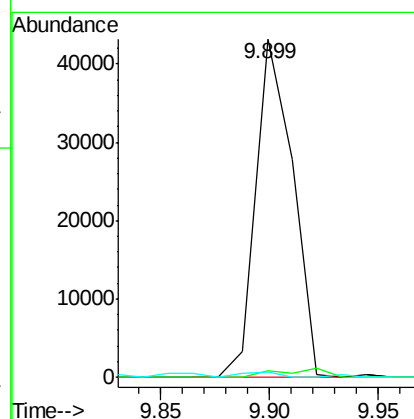
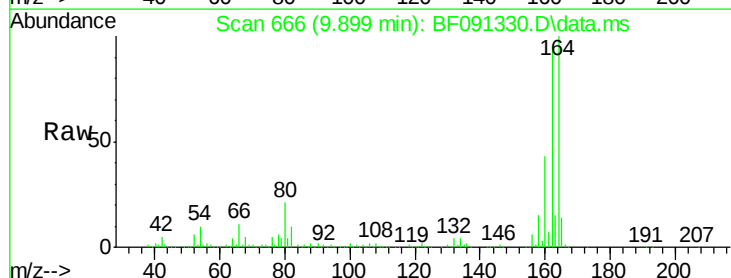
Tgt Ion:165 Resp: 51123

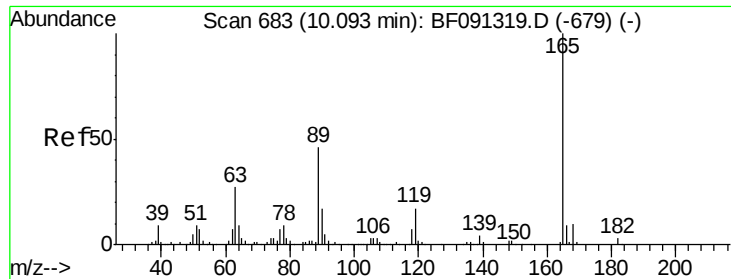
Ion Ratio Lower Upper

165 100

63 2.0 59.4 89.0#

89 1.5 50.8 76.2#

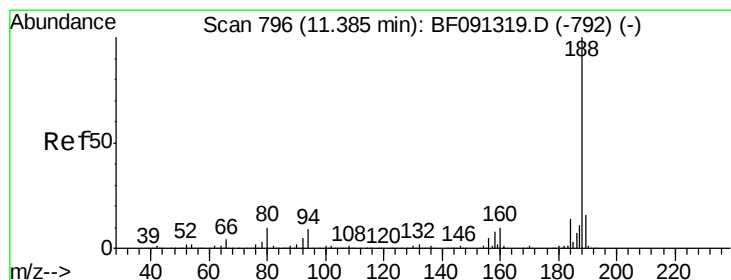
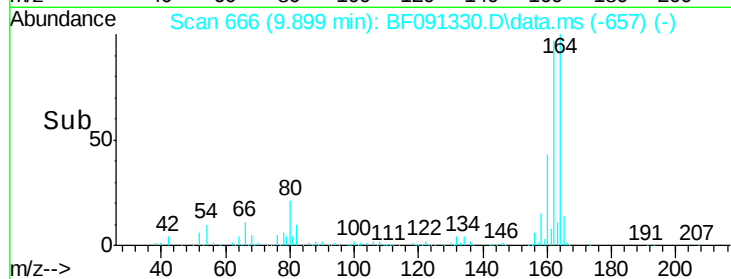
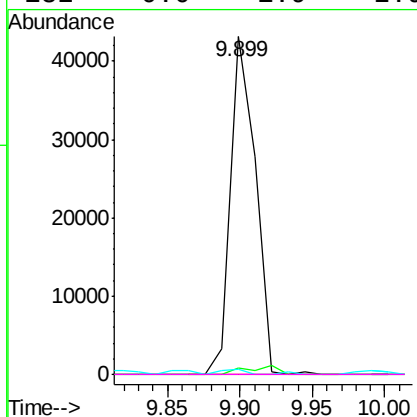
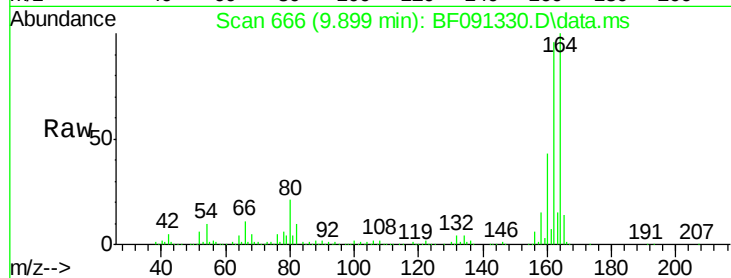




#56
 2,4-Dinitrotoluene
 Concen: 7.49 ng
 RT: 9.899 min Scan# 66
 Delta R.T. -0.200 min
 Lab File: BF091330.D
 Acq: 29 Nov 2016 16:45

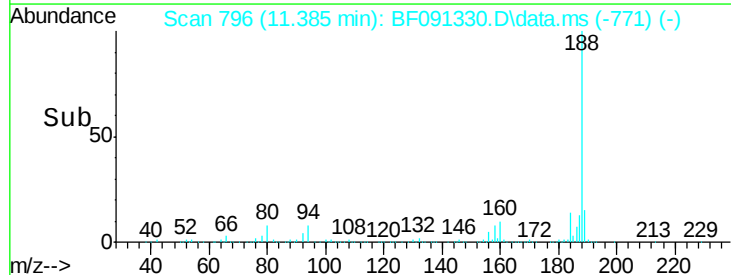
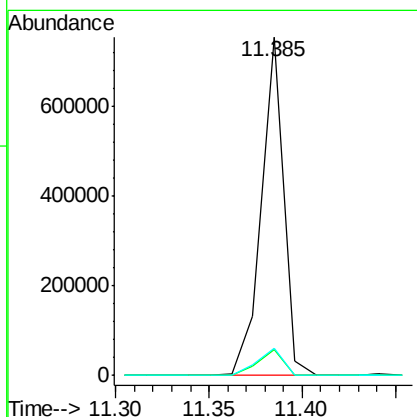
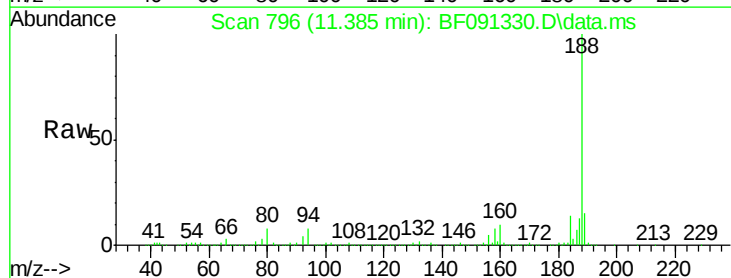
Instrument :
 BNA_F
 ClientSampleId :

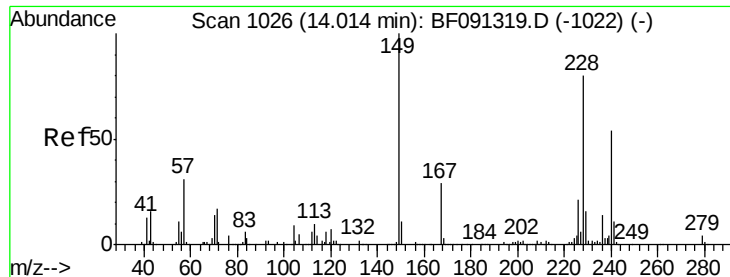
Tot Ion:	165	Resp:	51356
Ion Ratio	Lower	Upper	
165	100		
63	2.0	29.0	43.4#
89	1.5	43.1	64.7#
182	0.0	1.9	2.9#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.385 min Scan# 796
 Delta R.T. -0.017 min
 Lab File: BF091330.D
 Acq: 29 Nov 2016 16:45

Tgt Ion:	188	Resp:	632578
Ion Ratio	Lower	Upper	
188	100		
94	7.6	9.2	13.8#
80	8.1	10.5	15.7#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.014 min Scan# 10

Delta R.T. -0.029 min

Lab File: BF091330.D

Acq: 29 Nov 2016 16:45

Instrument :

BNA_F

ClientSampleId :

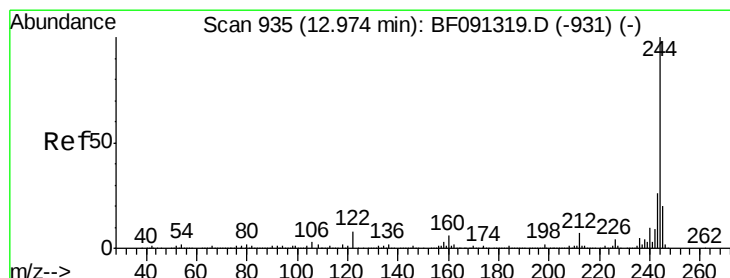
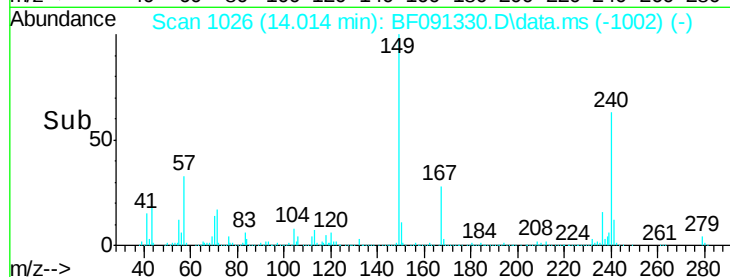
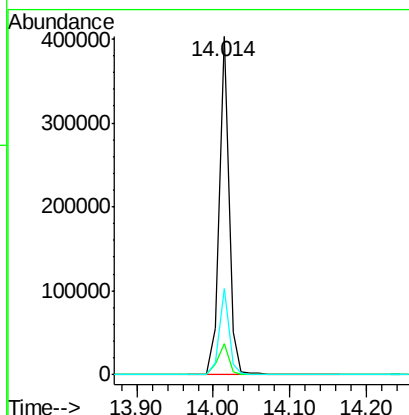
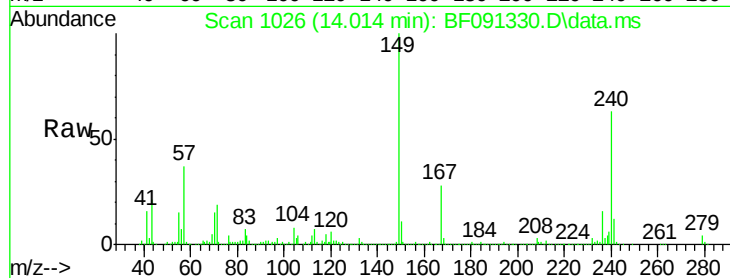
Tot Ion:240 Resp: 355257

Ion Ratio Lower Upper

240 100

120 9.0 12.1 18.1#

236 25.3 21.0 31.6



#78

Terphenyl-d14

Concen: 19.86 ng

RT: 12.962 min Scan# 934

Delta R.T. -0.029 min

Lab File: BF091330.D

Acq: 29 Nov 2016 16:45

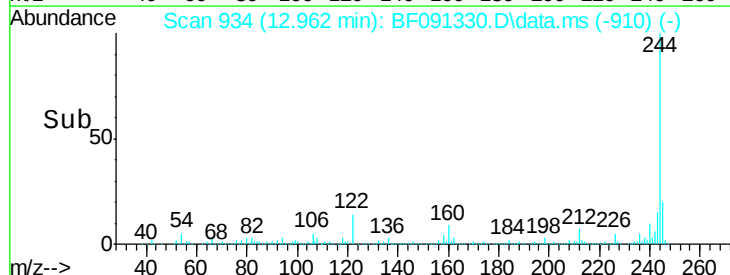
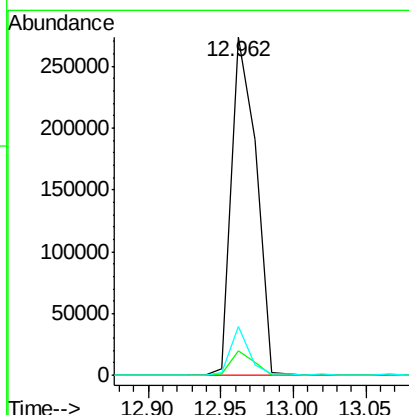
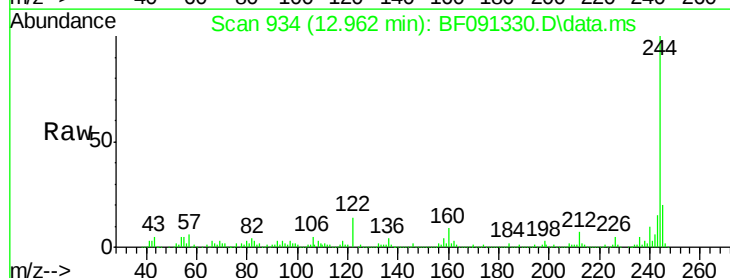
Tgt Ion:244 Resp: 324570

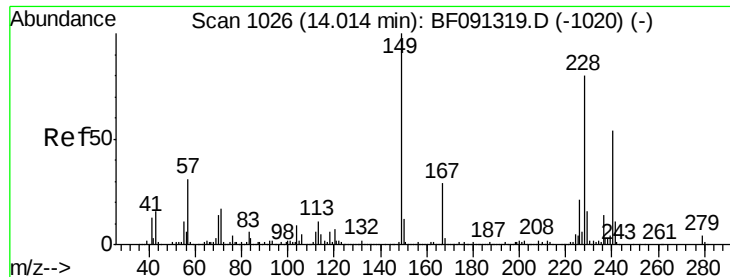
Ion Ratio Lower Upper

244 100

212 7.3 6.5 9.7

122 14.5 9.5 14.3#

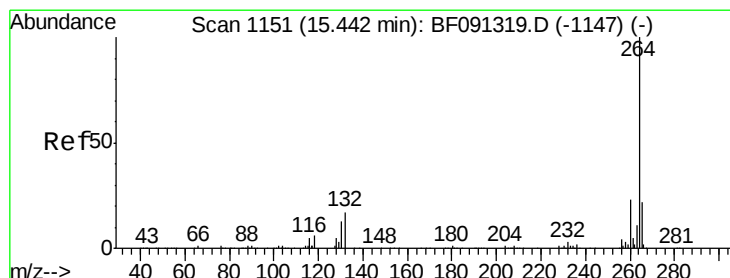
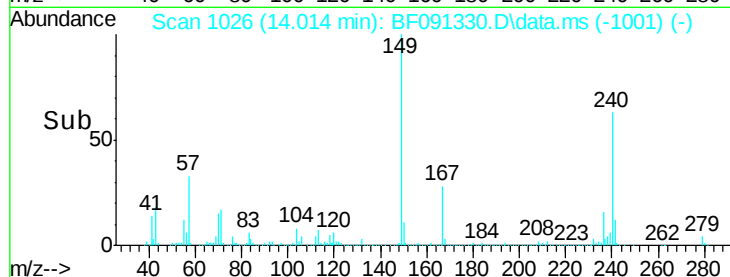
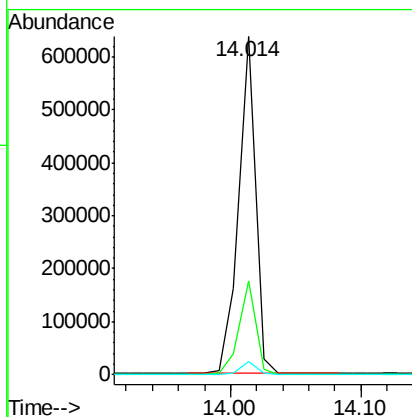
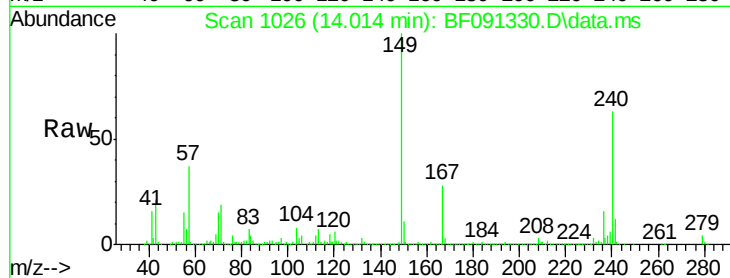




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 44.62 ng
 RT: 14.014 min Scan# 1026
 Delta R.T. -0.017 min
 Lab File: BF091330.D
 Acq: 29 Nov 2016 16:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.6	19.6	29.4
279	3.7	1.9	2.9



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.442 min Scan# 1151
 Delta R.T. -0.029 min
 Lab File: BF091330.D
 Acq: 29 Nov 2016 16:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.8	28.2
265	21.2	17.0	25.6

