

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121117\
 Data File : BF101291.D
 Acq On : 11 Dec 2017 16:02
 Operator : SJ/JU
 Sample : I6747-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 11 16:39:15 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	49518	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	194186	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	87674	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	157678	20.00	ng	0.00
75) Chrysene-d12	14.01	240	98944	20.00	ng	0.00
86) Perylene-d12	15.49	264	99083	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	294817	98.38	ng	0.02
7) Phenol-d6	6.47	99	367370	100.97	ng	0.00
23) Nitrobenzene-d5	7.40	82	224874	69.08	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	81515	77.40	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	456261	71.20	ng	0.00
78) Terphenyl-d14	12.94	244	372502	82.35	ng	0.00

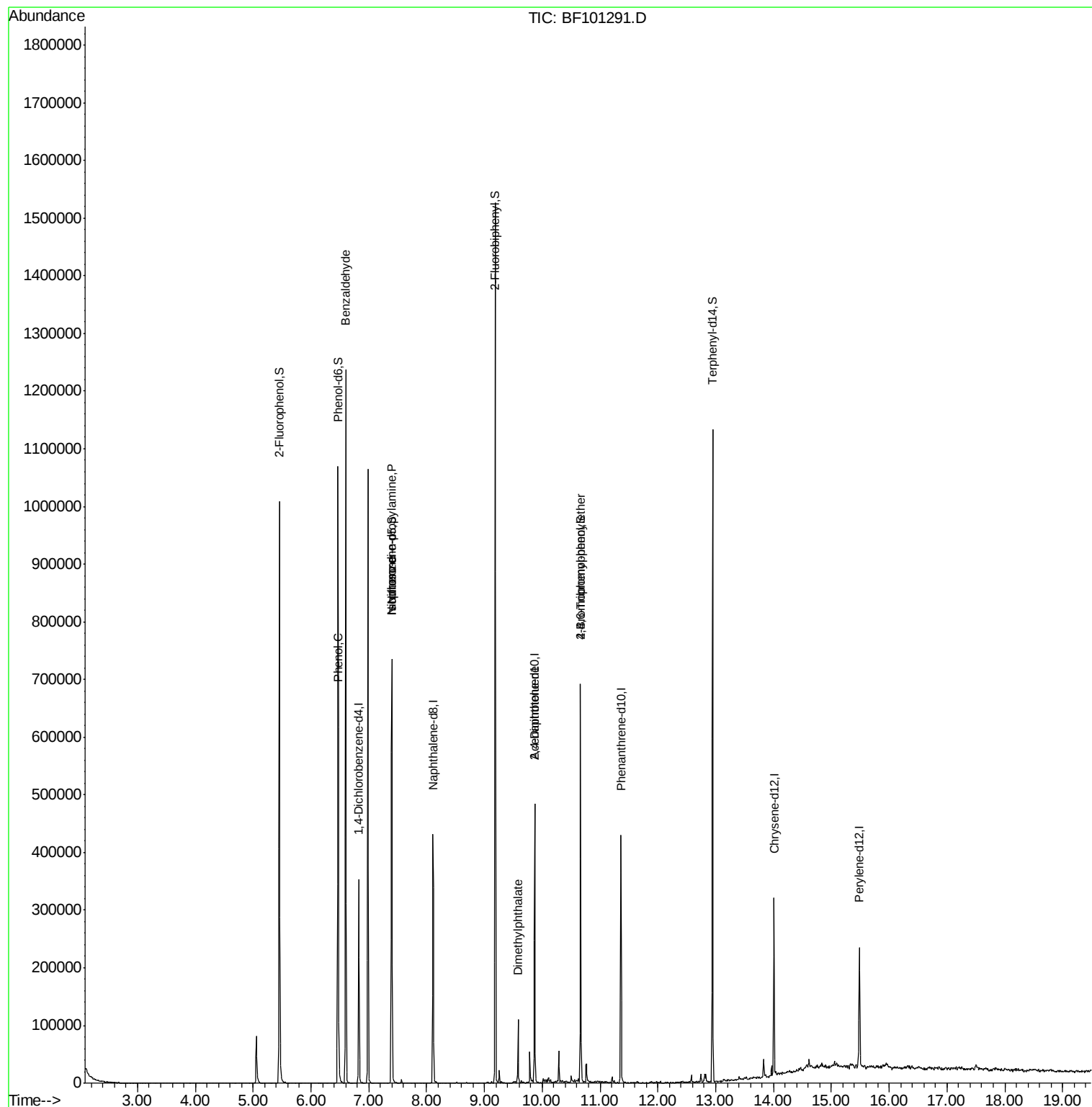
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.60	77	6990	3.139	ng	82
10) Phenol	6.48	94	9756	2.412	ng	88
19) n-Nitroso-di-n-propylamine	7.40	70	29861	12.187	ng	# 79
25) Isophorone	7.40	82	224871	40.442	ng	# 64
49) Dimethylphthalate	9.58	163	40247	5.692	ng	# 96
56) 2,4-Dinitrotoluene	9.87	165	10633	5.328	ng	# 21
66) 4-Bromophenyl-phenylether	10.66	248	5057	2.865	ng	# 1

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

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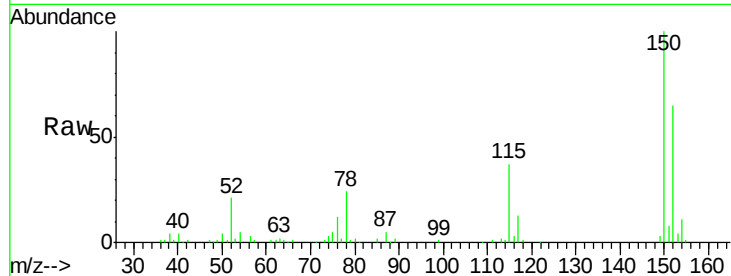




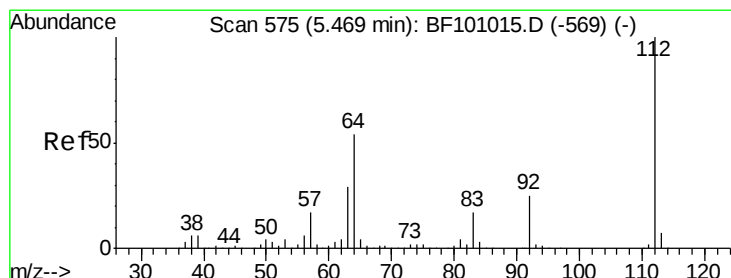
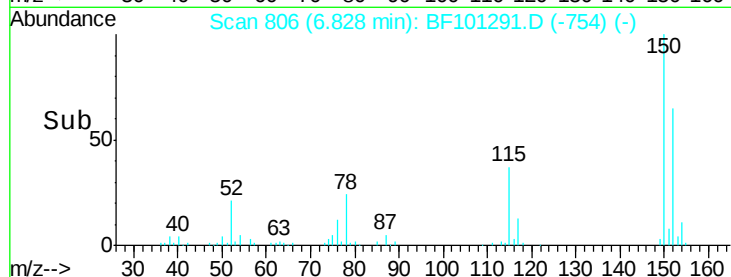
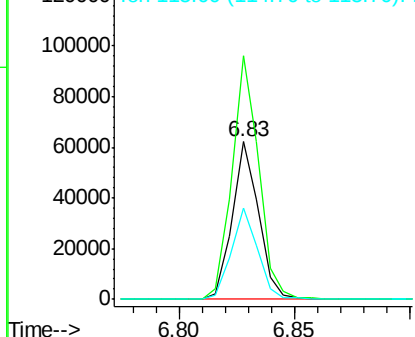
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: BF101291.D
 Acq: 11 Dec 2017 16:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 49518
 Ion Ratio Lower Upper
 152 100
 150 154.6 124.6 186.8
 115 57.8 50.1 75.1

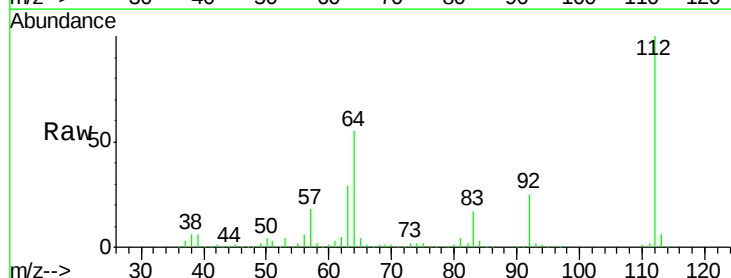


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

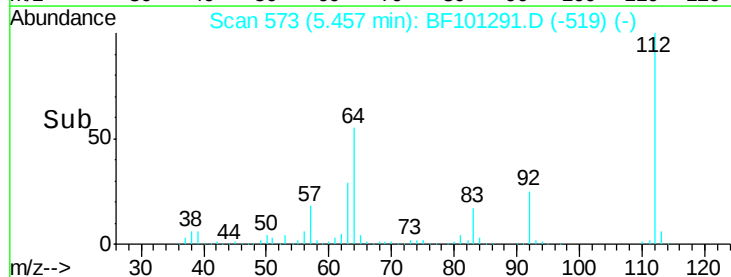
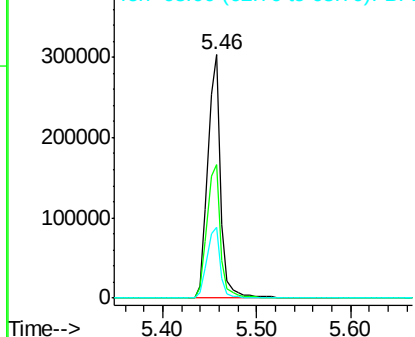


#5
 2-Fluorophenol
 Concen: 98.382 ng
 RT: 5.46 min Scan# 573
 Delta R.T. 0.02 min
 Lab File: BF101291.D
 Acq: 11 Dec 2017 16:02

Tgt Ion:112 Resp: 294817
 Ion Ratio Lower Upper
 112 100
 64 54.6 47.9 71.9
 63 28.9 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 100.975 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF101291.D

Acq: 11 Dec 2017 16:02

Instrument :

BNA_F

ClientSampled :

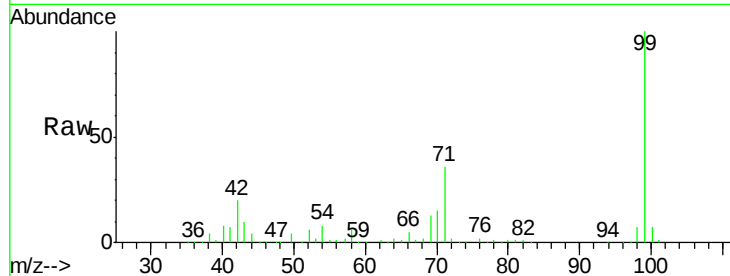
Tot Ion: 99 Resp: 367370

Ion Ratio Lower Upper

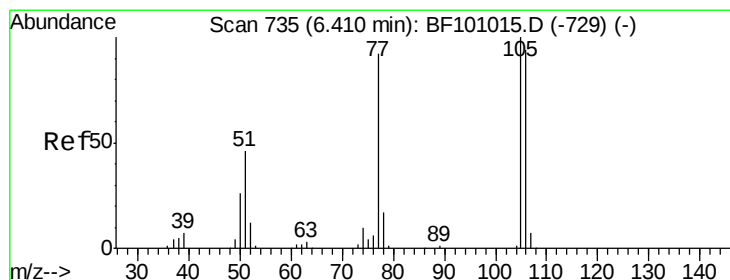
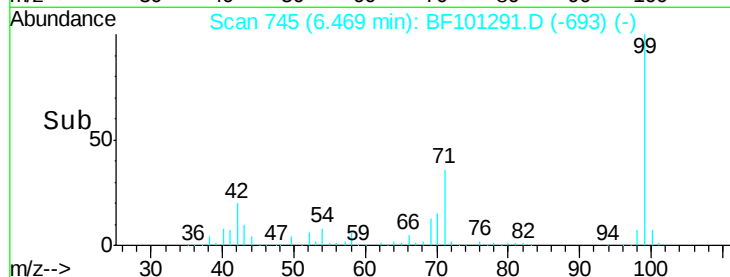
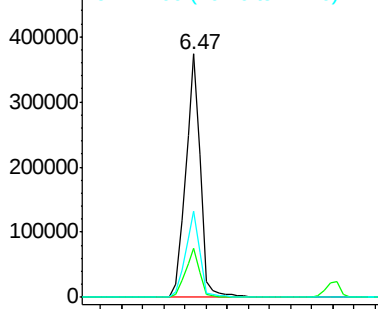
99 100

42 20.2 14.5 21.7

71 35.5 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 3.139 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.22 min

Lab File: BF101291.D

Acq: 11 Dec 2017 16:02

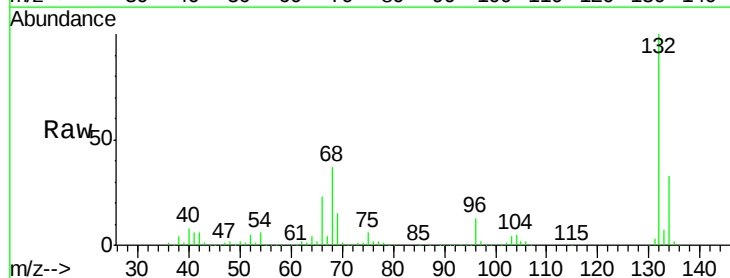
Tgt Ion: 77 Resp: 6990

Ion Ratio Lower Upper

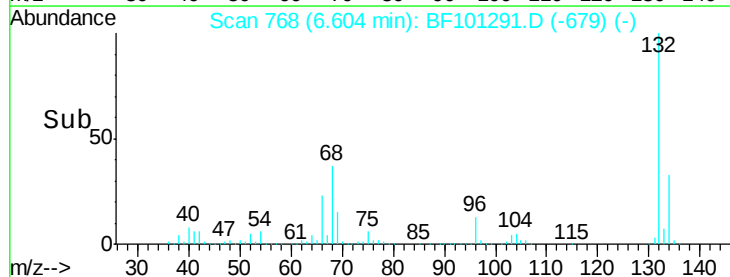
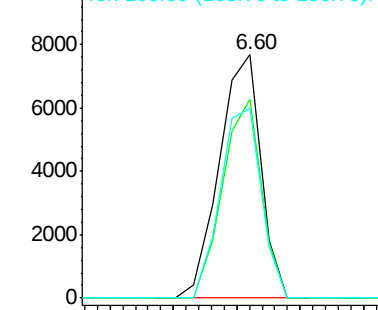
77 100

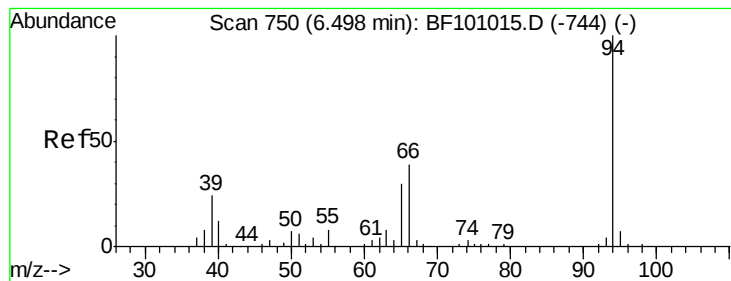
105 81.5 81.1 121.1

106 78.2 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.412 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF101291.D

Acq: 11 Dec 2017 16:02

Instrument :

BNA_F

ClientSampled :

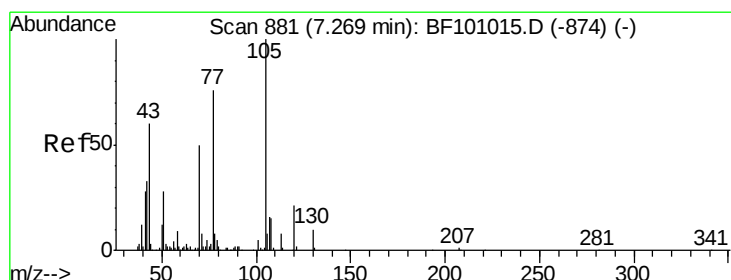
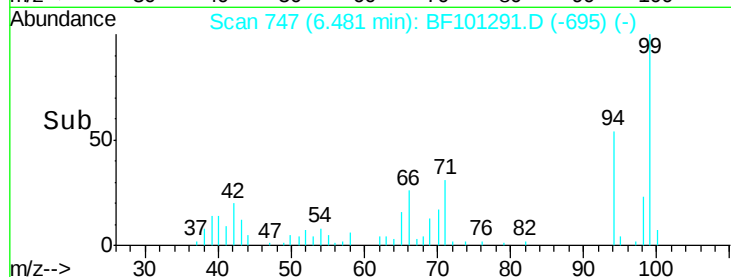
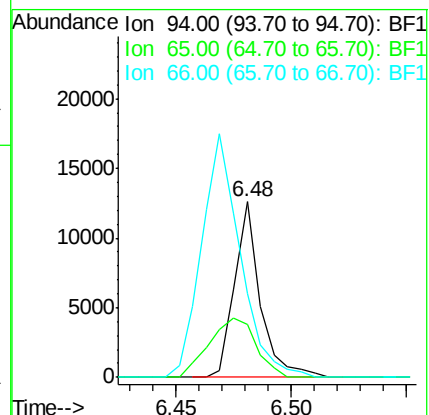
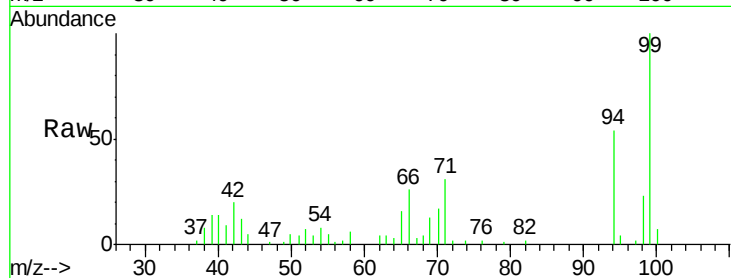
Tot Ion: 94 Resp: 9756

Ion Ratio Lower Upper

94 100

65 30.1 7.9 47.9

66 47.4 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 12.187 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.16 min

Lab File: BF101291.D

Acq: 11 Dec 2017 16:02

Tgt Ion: 70 Resp: 29861

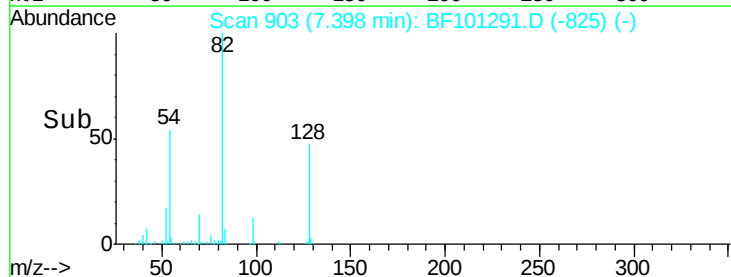
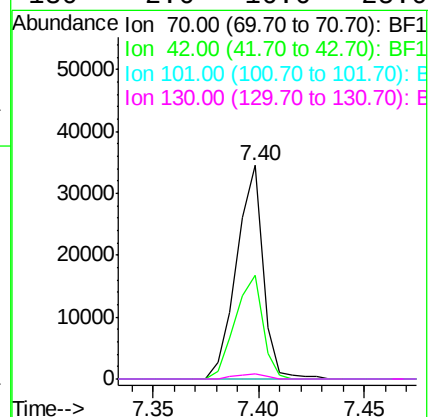
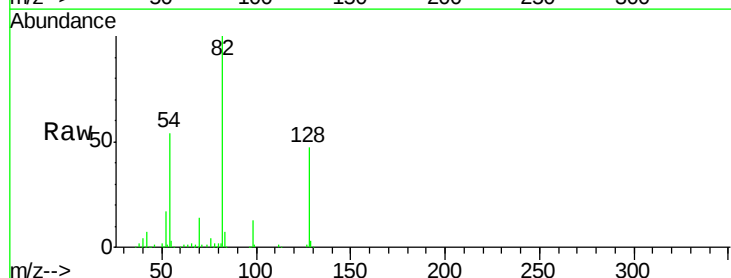
Ion Ratio Lower Upper

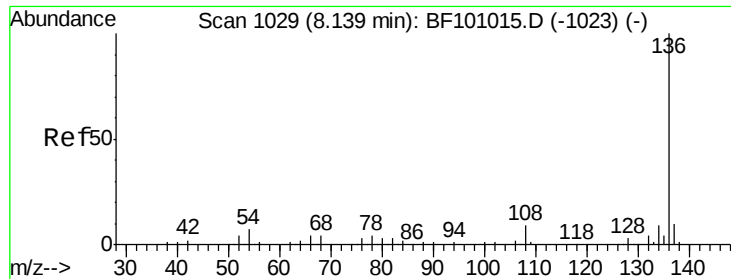
70 100

42 48.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#

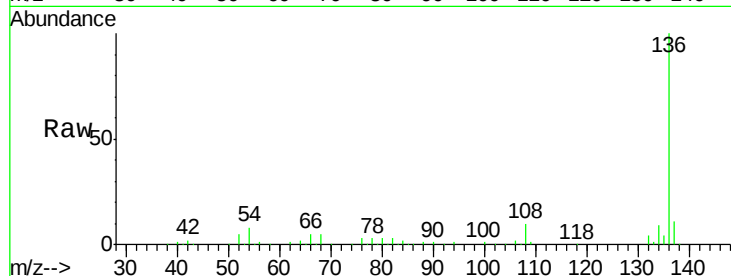




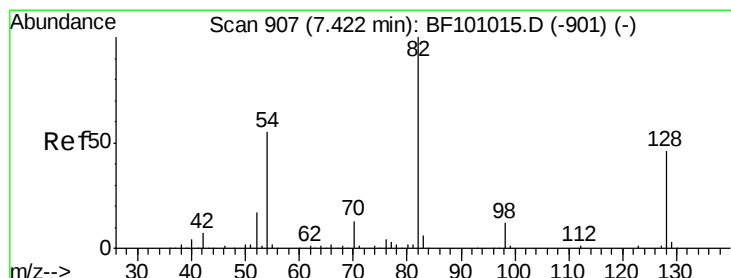
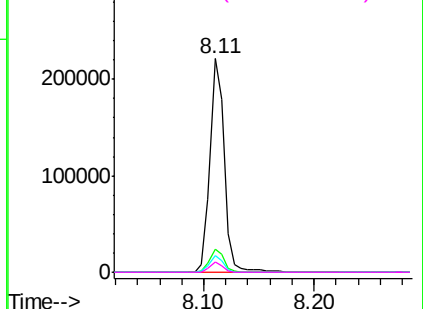
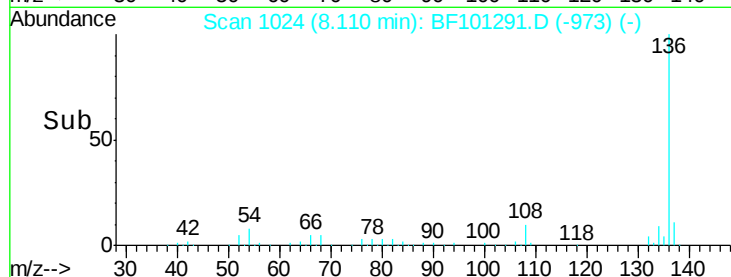
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BF101291.D
Acq: 11 Dec 2017 16:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	194186
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.9 13.3
54	7.6	6.6 9.8
68	5.1	5.0 7.4

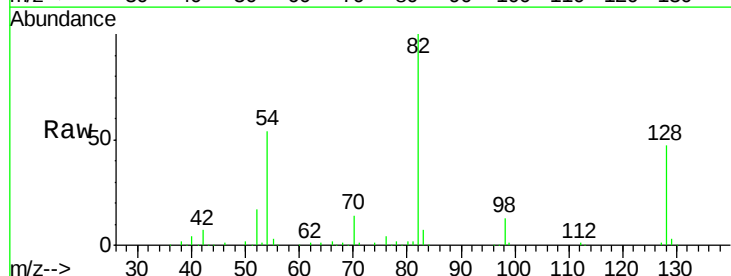


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

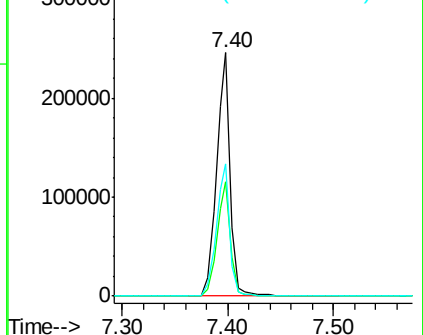
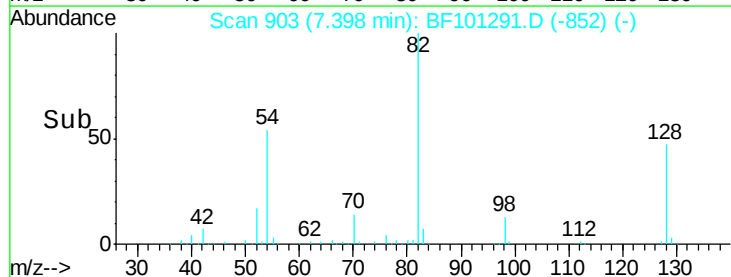


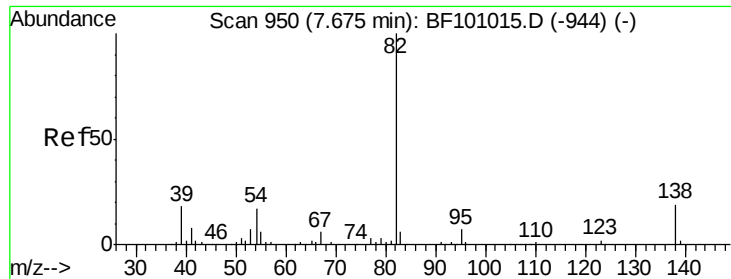
#23
Nitrobenzene-d5
Concen: 69.080 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.00 min
Lab File: BF101291.D
Acq: 11 Dec 2017 16:02

Tgt Ion: 82	Resp:	224874
Ion Ratio	Lower	Upper
82	100	
128	46.7	36.1 54.1
54	54.3	41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 40.442 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.25 min

Lab File: BF101291.D

Acq: 11 Dec 2017 16:02

Instrument :

BNA_F

ClientSampleId :

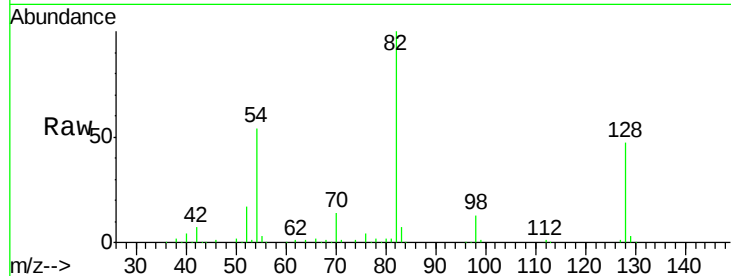
Tot Ion: 82 Resp: 224871

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

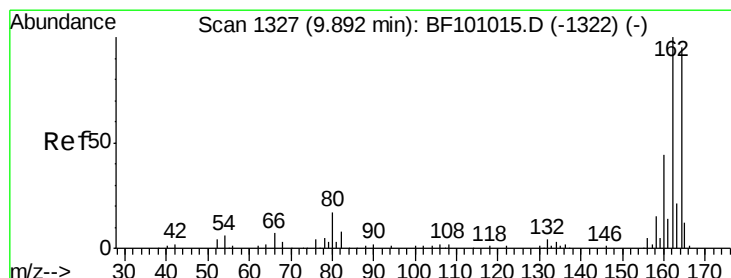
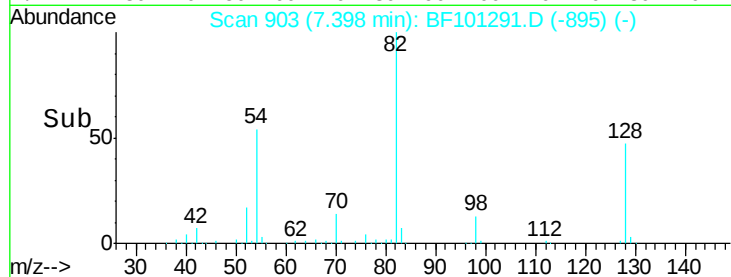
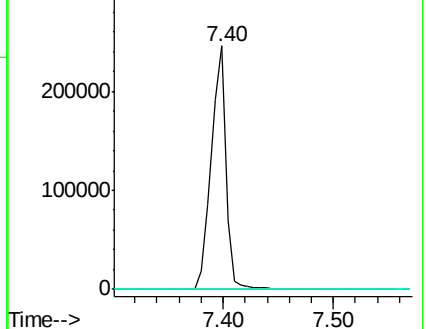
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.00 min

Lab File: BF101291.D

Acq: 11 Dec 2017 16:02

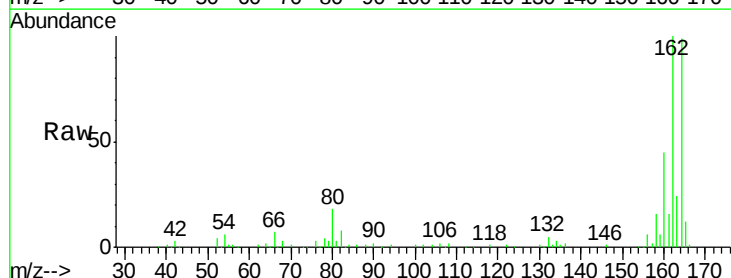
Tgt Ion:164 Resp: 87674

Ion Ratio Lower Upper

164 100

162 101.1 86.1 129.1

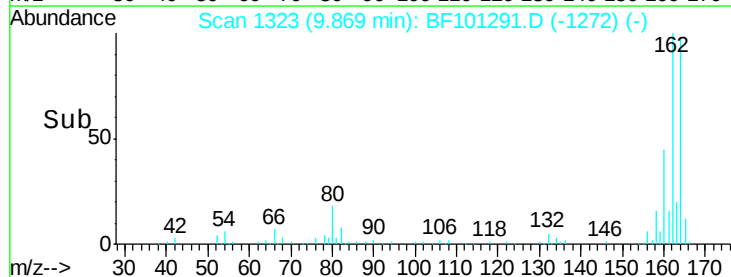
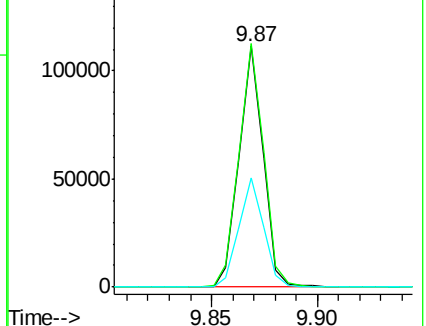
160 45.4 38.3 57.5

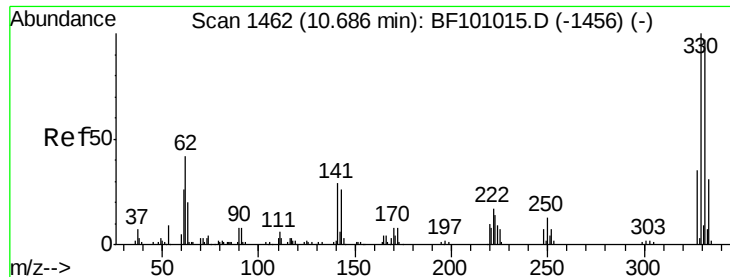


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

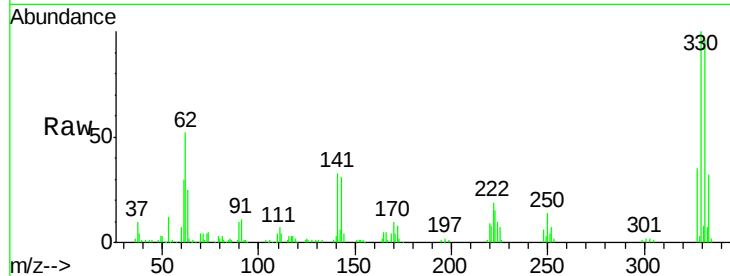




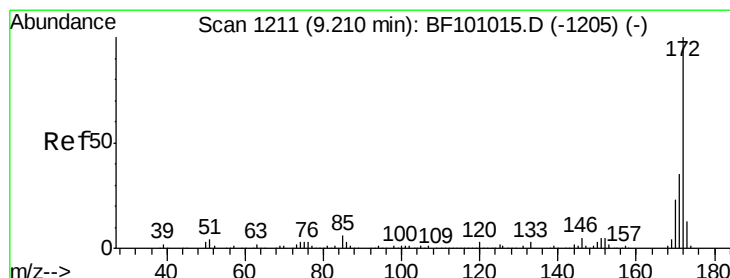
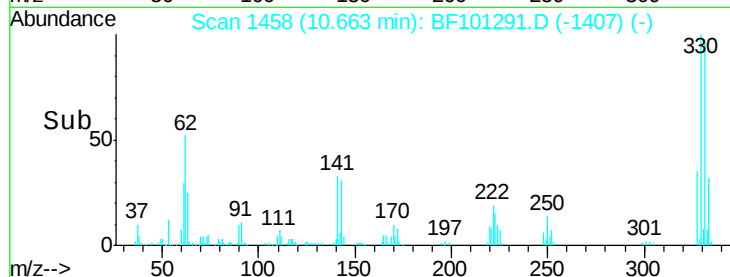
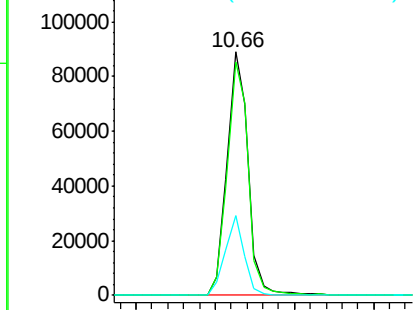
#41
 2,4,6-Tribromophenol
 Concen: 77.396 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: BF101291.D
 Acq: 11 Dec 2017 16:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 81515
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.0 115.6
 141 29.3 29.9 44.9#

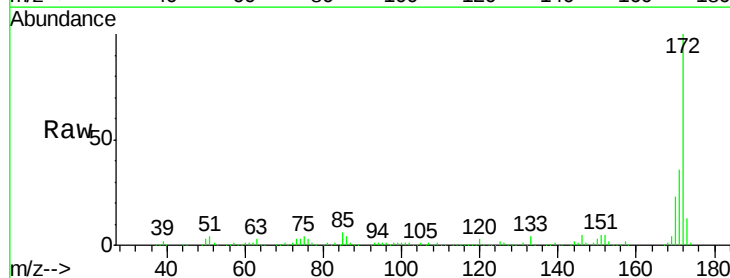


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

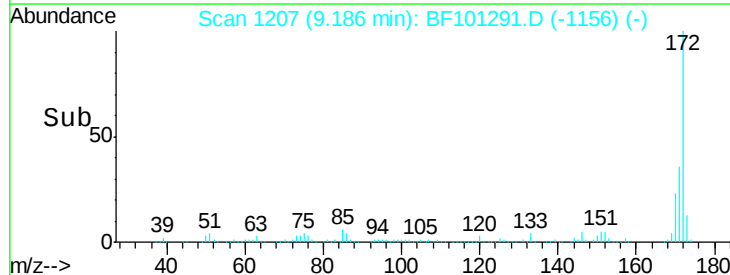
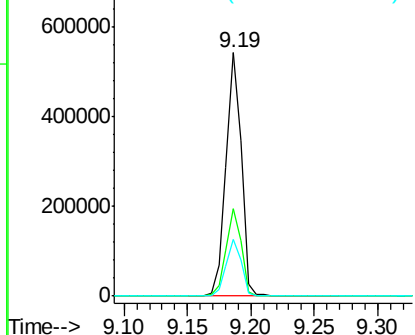


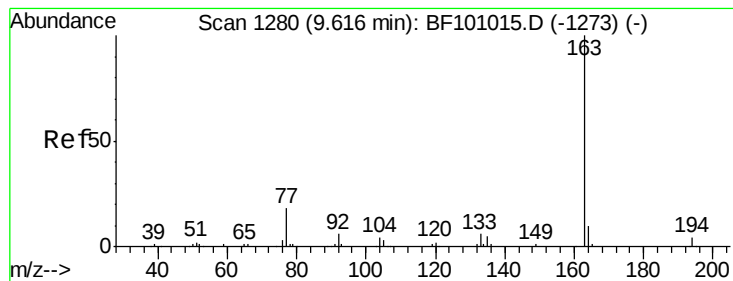
#44
 2-Fluorobiphenyl
 Concen: 71.202 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: BF101291.D
 Acq: 11 Dec 2017 16:02

Tgt Ion:172 Resp: 456261
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 23.3 19.6 29.4



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





#49

Dimethylphthalate

Concen: 5.692 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.01 min

Lab File: BF101291.D

Acq: 11 Dec 2017 16:02

Instrument :

BNA_F

ClientSampleId :

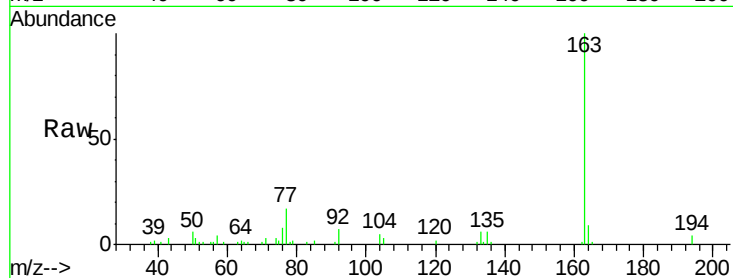
Tot Ion:163 Resp: 40247

Ion Ratio Lower Upper

163 100

194 4.2 2.7 4.1#

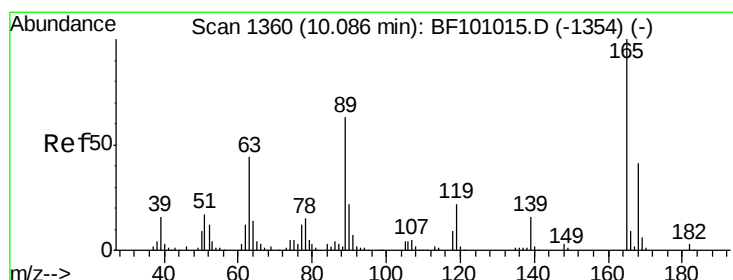
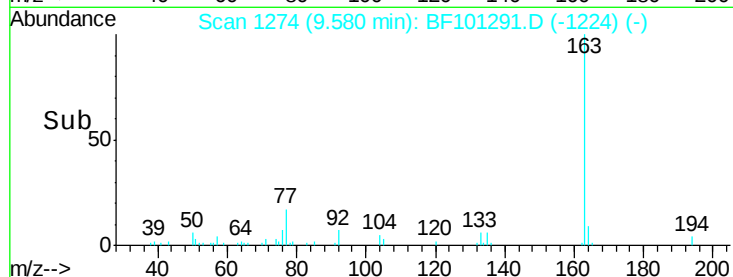
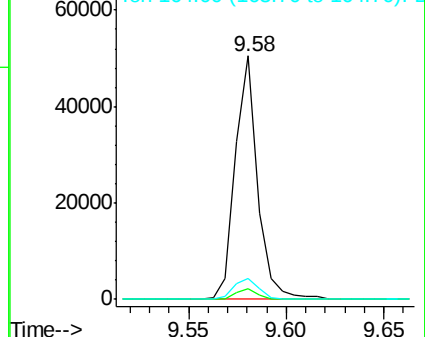
164 8.5 8.2 12.2



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: 5.328 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.19 min

Lab File: BF101291.D

Acq: 11 Dec 2017 16:02

Tgt Ion:165 Resp: 10633

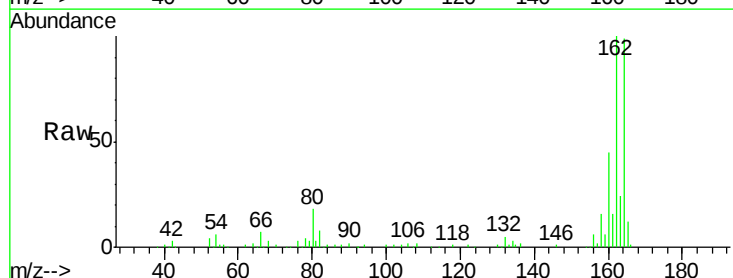
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

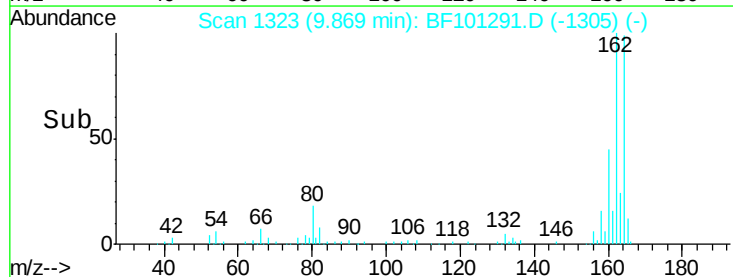
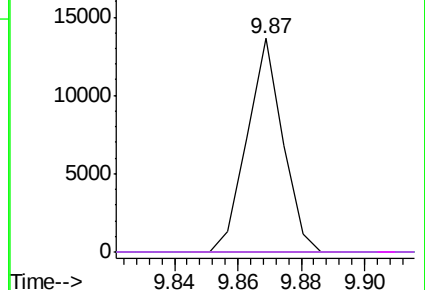


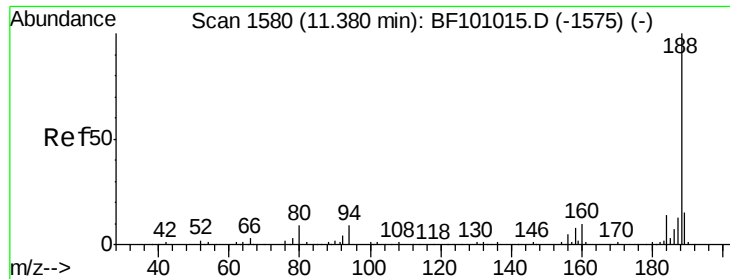
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

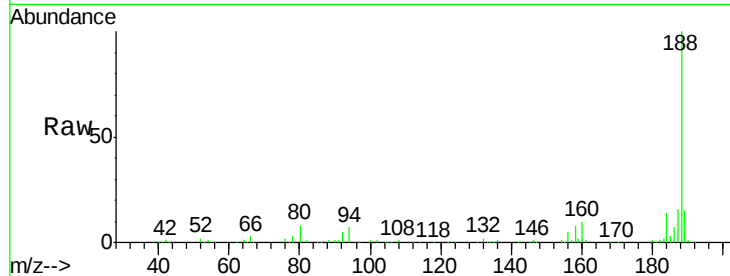




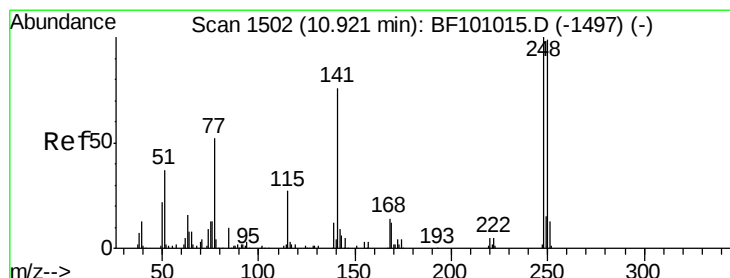
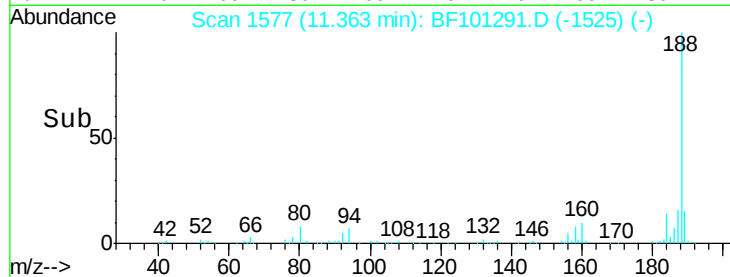
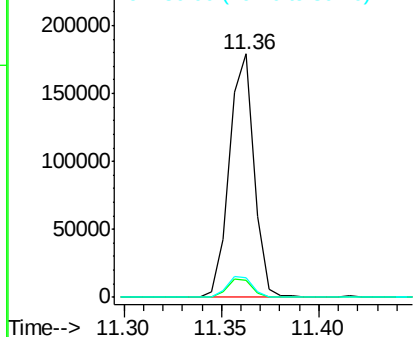
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.01 min
Lab File: BF101291.D
Acq: 11 Dec 2017 16:02

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 157678
Ion Ratio Lower Upper
188 100
94 7.3 8.5 12.7#
80 7.9 9.2 13.8#

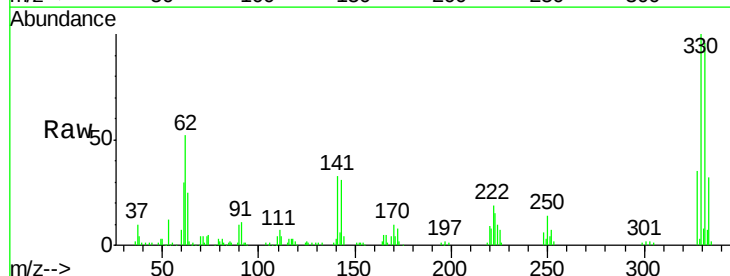


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

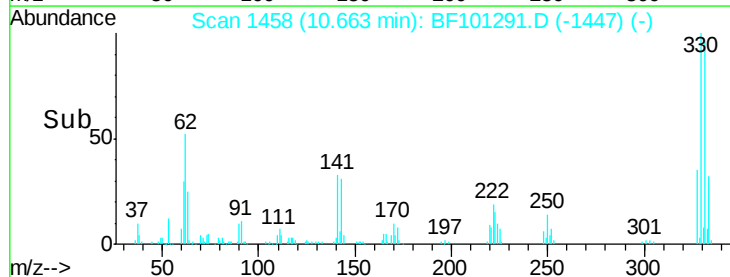
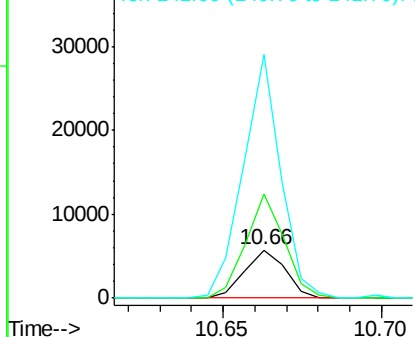


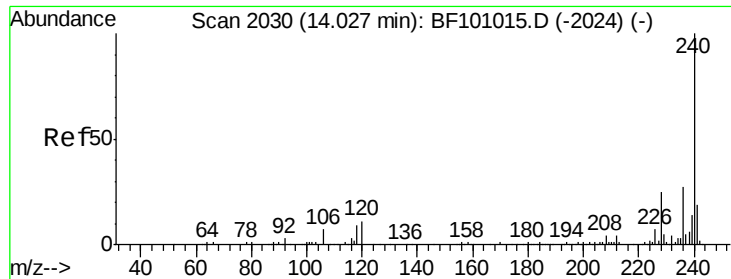
#66
4-Bromophenyl-phenylether
Concen: 2.865 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.24 min
Lab File: BF101291.D
Acq: 11 Dec 2017 16:02

Tgt Ion:248 Resp: 5057
Ion Ratio Lower Upper
248 100
250 215.8 76.9 115.3#
141 505.9 74.4 111.6#



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

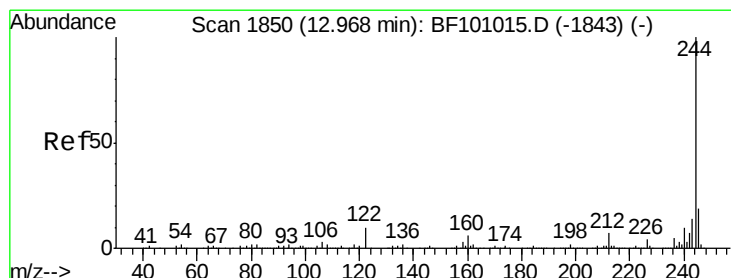
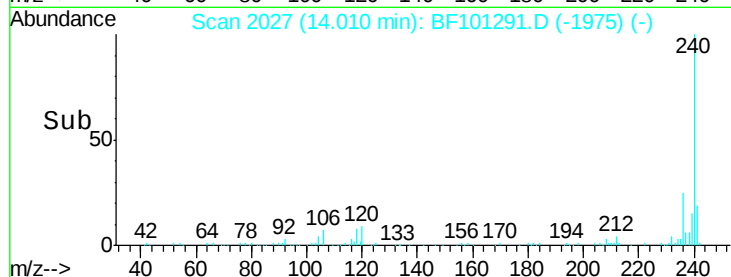
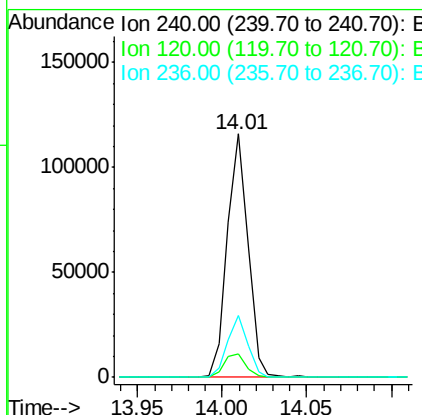
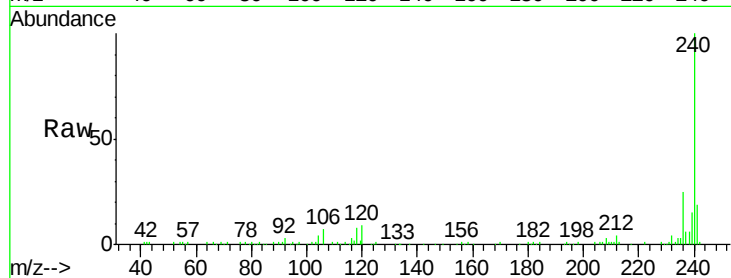




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.01 min
Lab File: BF101291.D
Acq: 11 Dec 2017 16:02

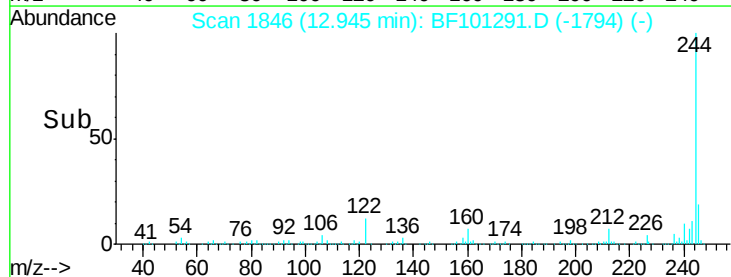
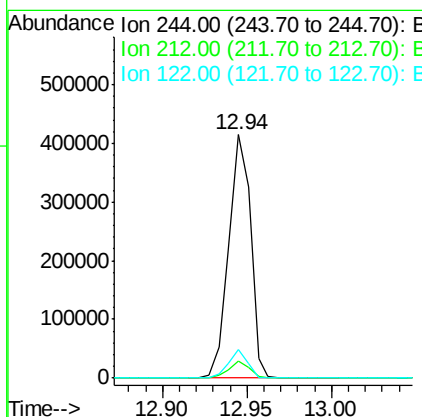
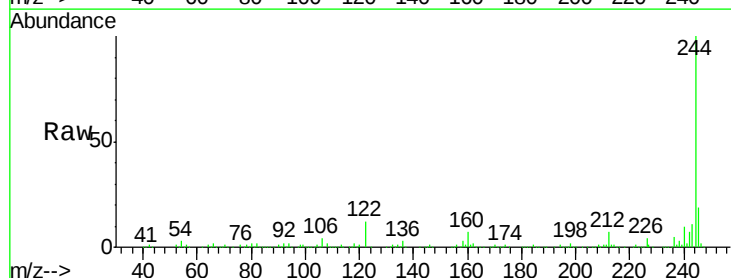
Instrument :
BNA_F
ClientSampleId :

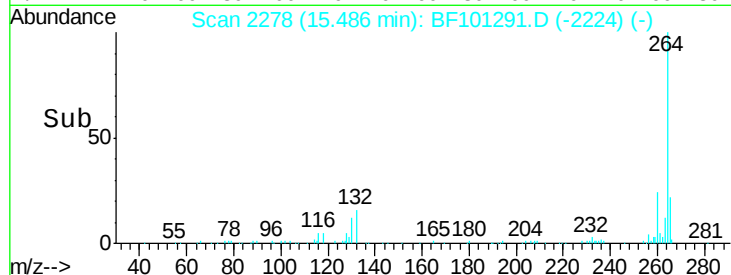
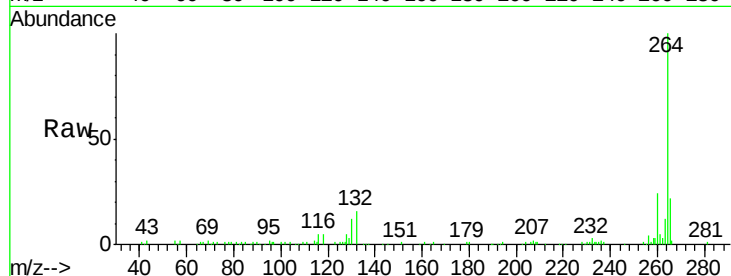
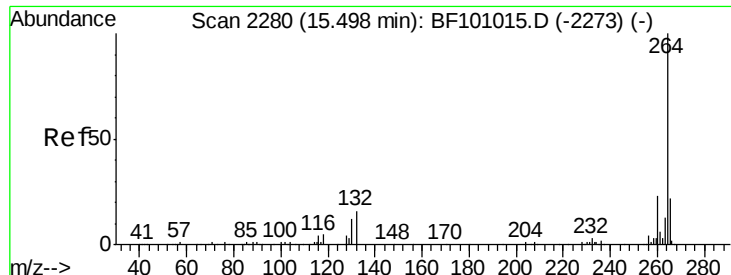
Tot Ion:240 Resp: 98944
Ion Ratio Lower Upper
240 100
120 9.4 9.5 14.3#
236 25.4 20.7 31.1



#78
Terphenyl-d14
Concen: 82.346 ng
RT: 12.94 min Scan# 1846
Delta R.T. 0.01 min
Lab File: BF101291.D
Acq: 11 Dec 2017 16:02

Tgt Ion:244 Resp: 372502
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.0
122 11.7 11.0 16.4





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2278
 Delta R.T. 0.02 min
 Lab File: BF101291.D
 Acq: 11 Dec 2017 16:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:264	Resp:	99083
Ion Ratio	Lower	Upper
264	100	
260	24.4	19.2 28.8
265	22.5	17.5 26.3

