

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121516\
 Data File : BF091629.D
 Acq On : 15 Dec 2016 15:38
 Operator : UM/SJ
 Sample : PB95351BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB95351BL

Quant Time: Dec 16 00:09:53 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 19:00:21 2016
 Response via : Initial Calibration

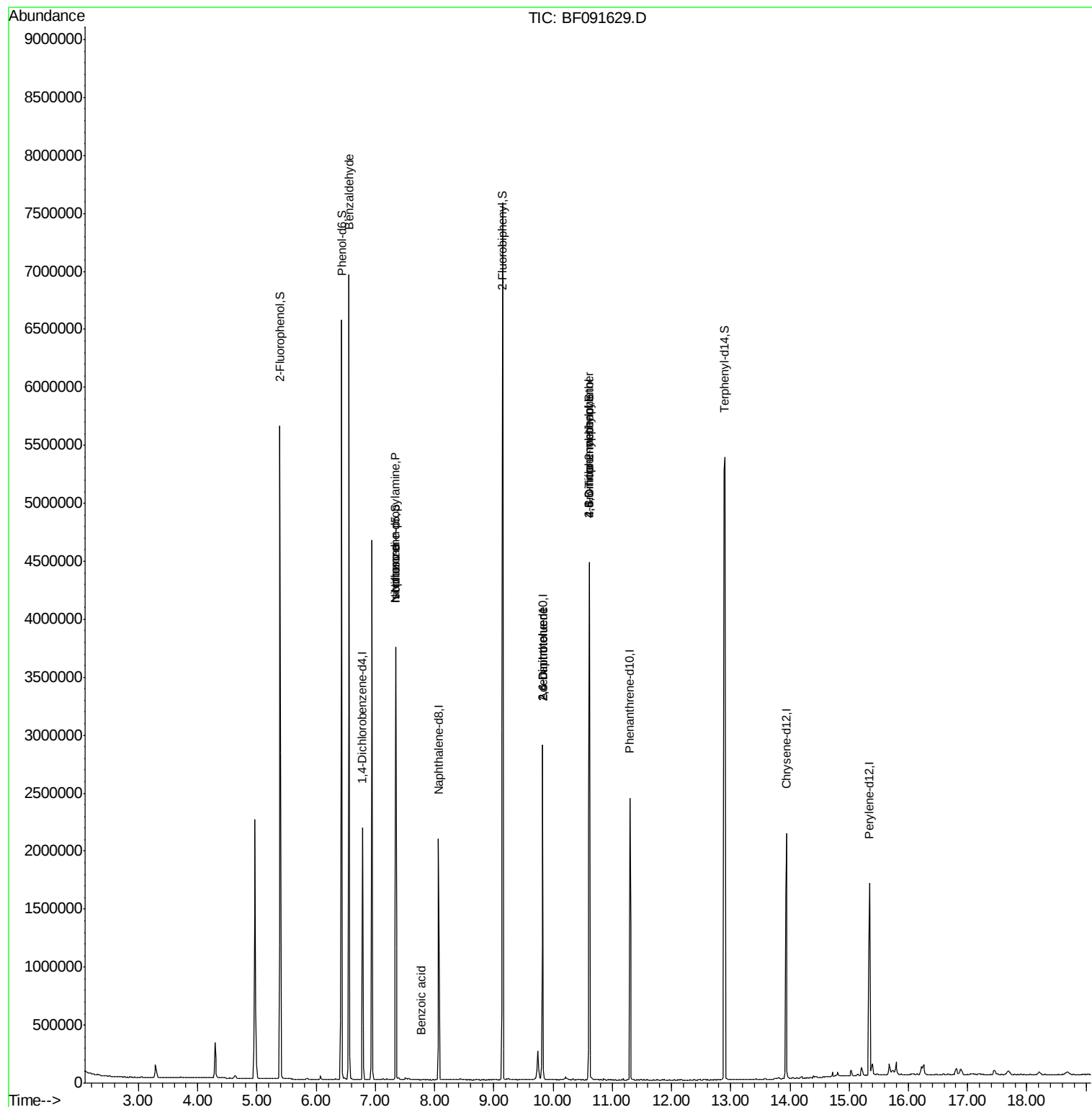
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	315561	20.00	ng	-0.03
21) Naphthalene-d8	8.06	136	1204209	20.00	ng	-0.03
38) Acenaphthene-d10	9.82	164	684377	20.00	ng	-0.03
63) Phenanthrene-d10	11.30	188	1083191	20.00	ng	-0.03
75) Chrysene-d12	13.94	240	977268	20.00	ng	-0.02
86) Perylene-d12	15.35	264	767153	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1931471	103.12	ng	-0.02
7) Phenol-d6	6.43	99	2622394	112.30	ng	-0.02
23) Nitrobenzene-d5	7.34	82	1513071	70.13	ng	-0.03
41) 2,4,6-Tribromophenol	10.61	330	579963	102.03	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	2546454	64.29	ng	-0.03
78) Terphenyl-d14	12.90	244	2639952	61.30	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.56	77	50281	3.13	ng	88
19) n-Nitroso-di-n-propylamine	7.34	70	198863	13.62	ng	# 66
25) Isophorone	7.34	82	1223900	31.91	ng	# 67
32) Benzoic acid	7.78	122	239	4.91	ng	# 67
50) 2,6-Dinitrotoluene	9.82	165	89861	9.45	ng	# 16
56) 2,4-Dinitrotoluene	9.82	165	89846	7.54	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.61	198	1380	3.14	ng	# 1
66) 4-Bromophenyl-phenylether	10.61	248	40434	3.64	ng	# 1

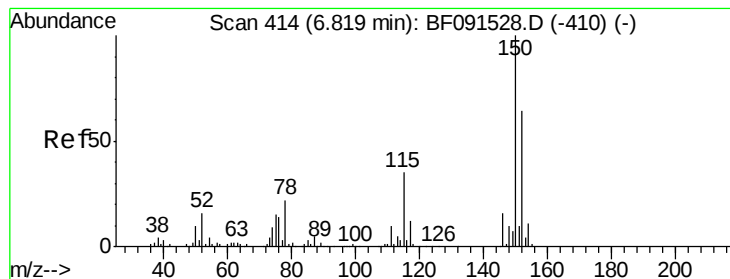
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 09 19:00:21 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.03 min

Lab File: BF091629.D

Acq: 15 Dec 2016 15:38

Instrument :

BNA_F

ClientSampleId :

PB95351BL

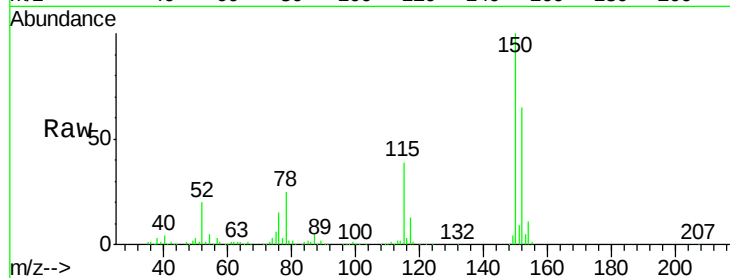
Tgt Ion:152 Resp: 315561

Ion Ratio Lower Upper

152 100

150 153.1 122.5 183.7

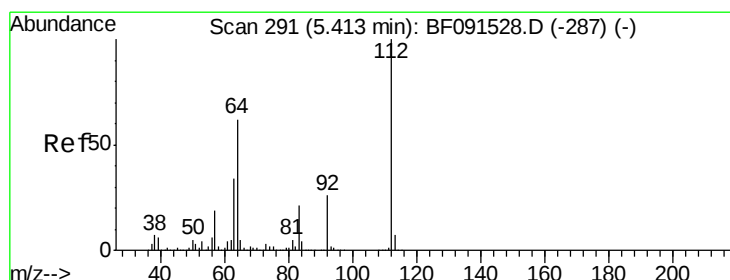
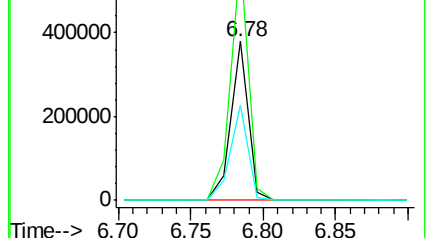
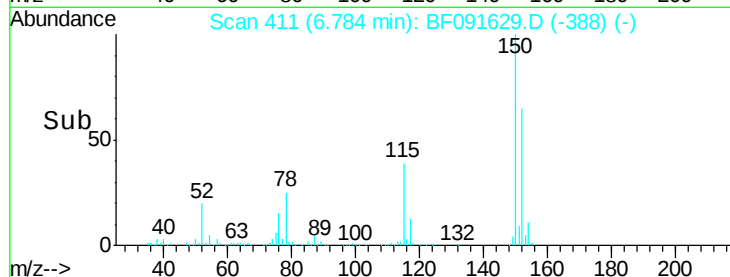
115 59.9 51.8 77.8



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: 103.12 ng

RT: 5.39 min Scan# 289

Delta R.T. -0.02 min

Lab File: BF091629.D

Acq: 15 Dec 2016 15:38

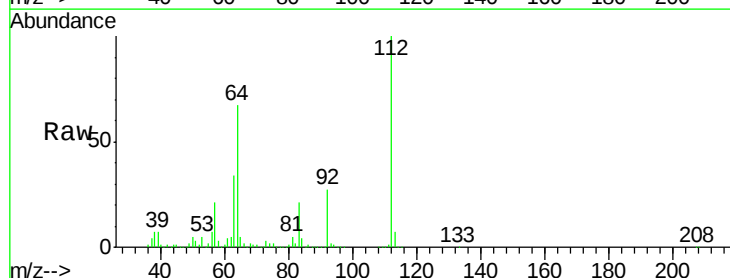
Tgt Ion:112 Resp: 1931471

Ion Ratio Lower Upper

112 100

64 67.0 61.5 92.3

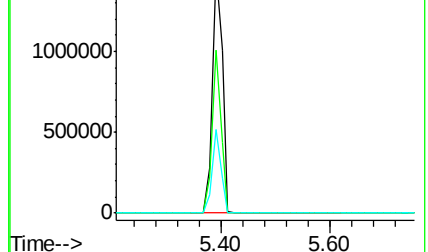
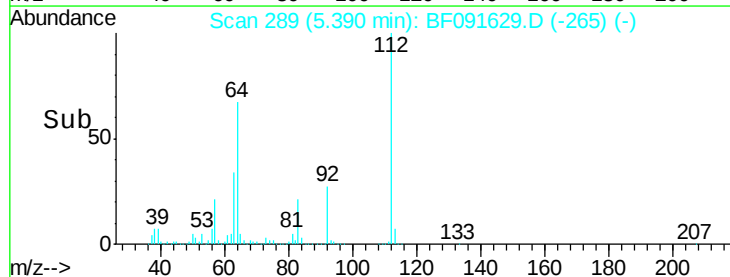
63 34.2 33.3 49.9

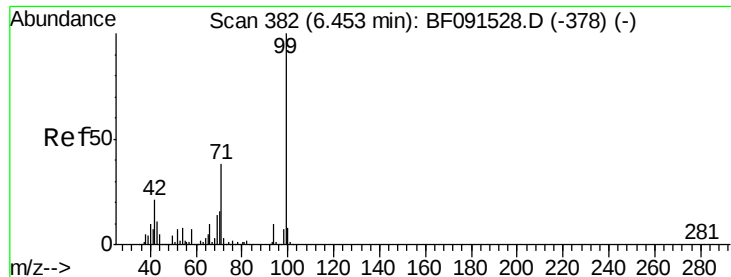


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 112.30 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.02 min

Lab File: BF091629.D

Acq: 15 Dec 2016 15:38

Instrument :

BNA_F

ClientSampleId :

PB95351BL

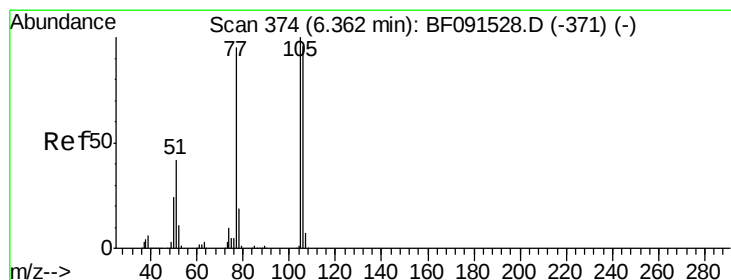
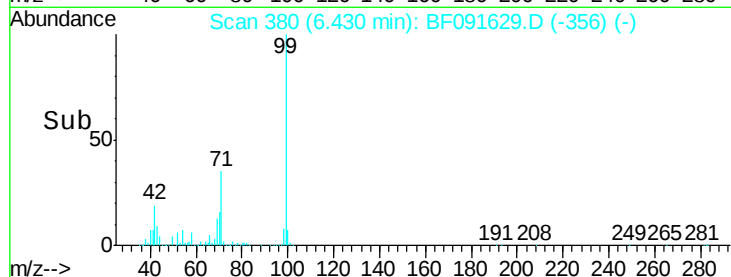
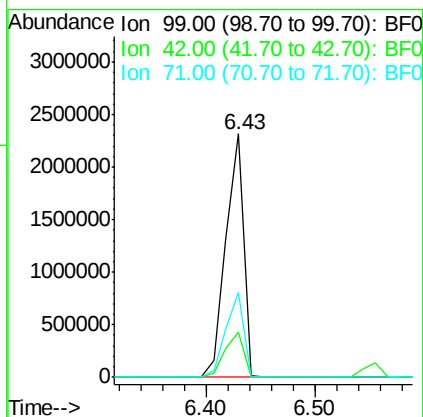
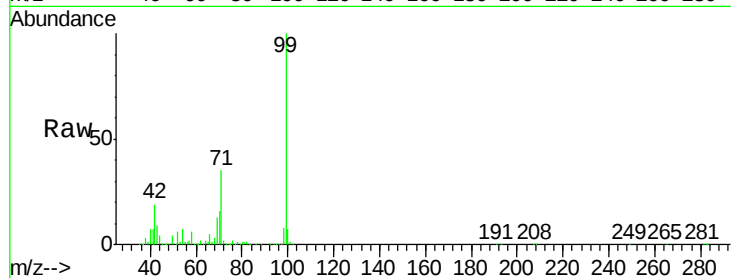
Tgt Ion: 99 Resp: 2622394

Ion Ratio Lower Upper

99 100

42 18.5 20.6 31.0#

71 34.9 29.9 44.9



#9

Benzaldehyde

Concen: 3.13 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.19 min

Lab File: BF091629.D

Acq: 15 Dec 2016 15:38

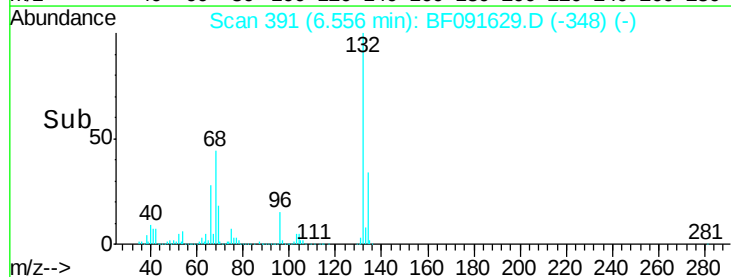
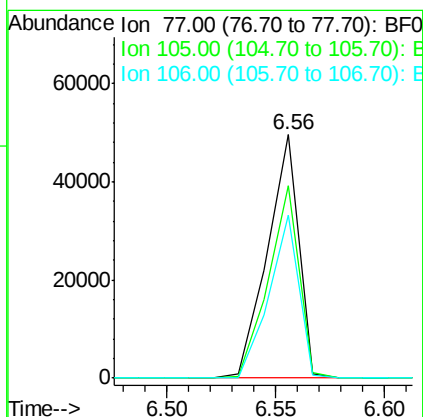
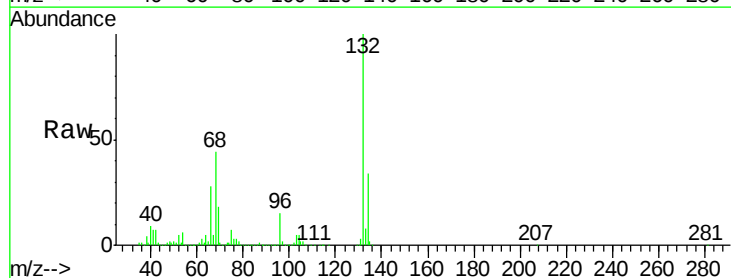
Tgt Ion: 77 Resp: 50281

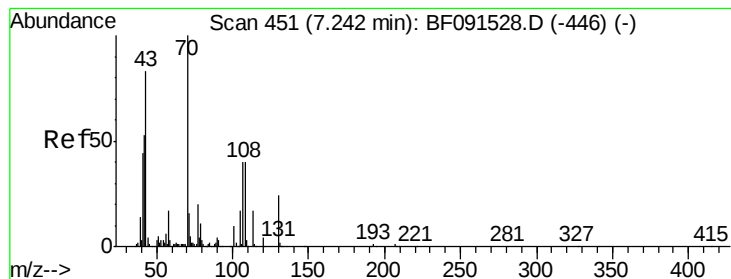
Ion Ratio Lower Upper

77 100

105 79.2 66.4 106.4

106 67.1 60.9 100.9





#19

n-Nitroso-di-n-propylamine

Concen: 13.62 ng

RT: 7.34 min Scan# 460

Delta R.T. 0.10 min

Lab File: BF091629.D

Acq: 15 Dec 2016 15:38

Instrument :

BNA_F

ClientSampleId :

PB95351BL

Tgt Ion: 70 Resp: 198863

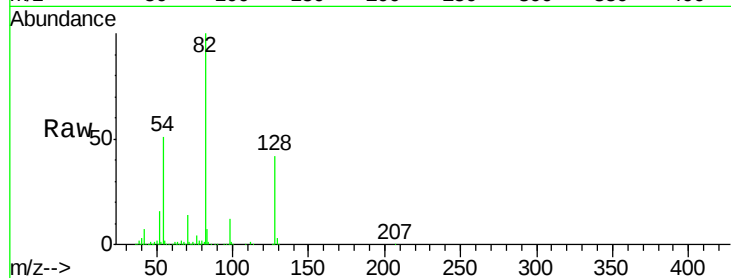
Ion Ratio Lower Upper

70 100

42 48.9 64.8 97.2#

101 0.0 6.2 9.4#

130 1.9 11.7 17.5#

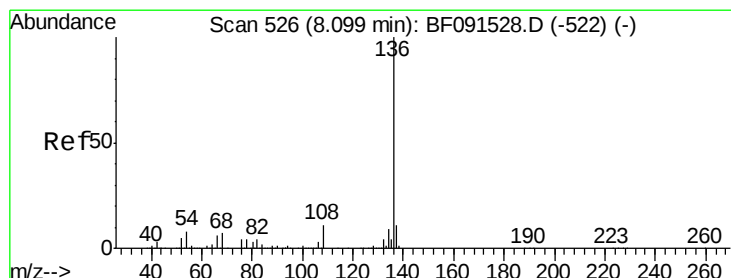
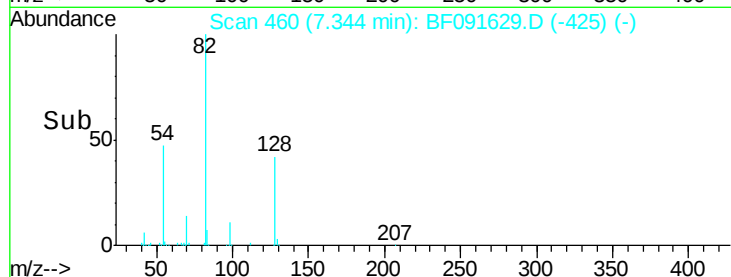
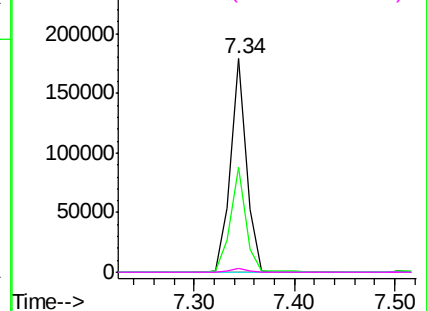


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.03 min

Lab File: BF091629.D

Acq: 15 Dec 2016 15:38

Tgt Ion: 136 Resp: 1204209

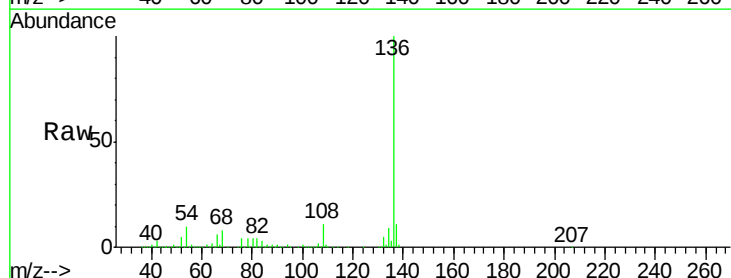
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 9.8 9.1 13.7

68 7.5 5.9 8.9

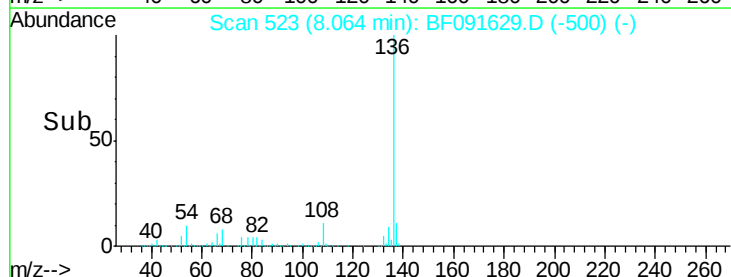
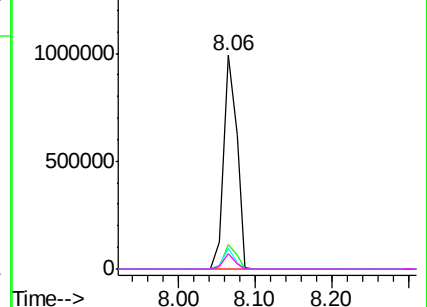


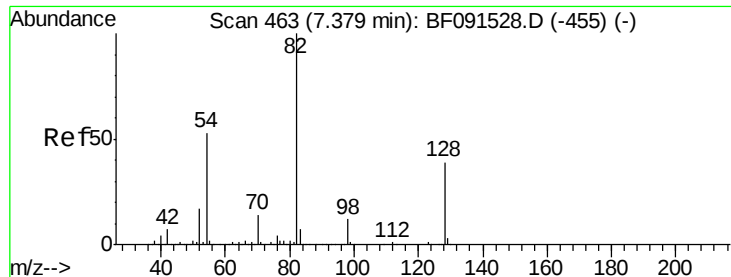
Abundance Ion 136.00 (135.70 to 136.70): E

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

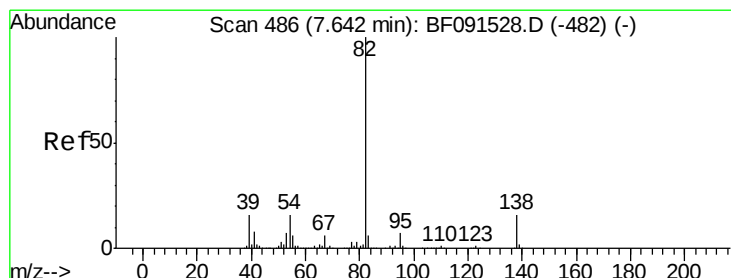
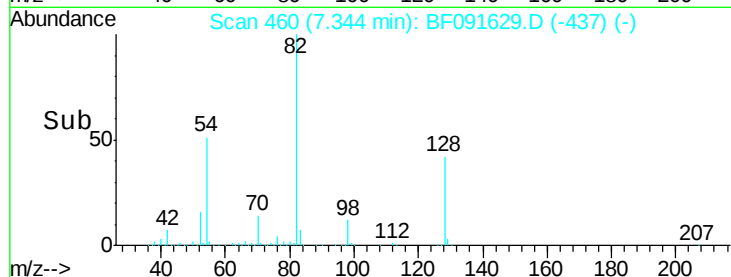
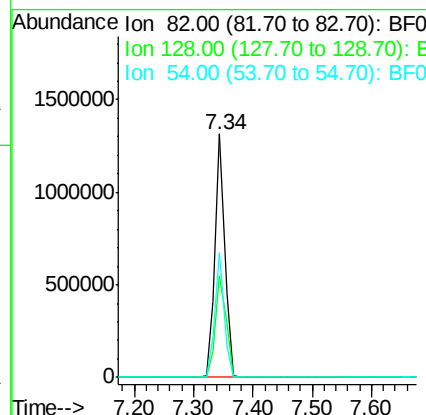
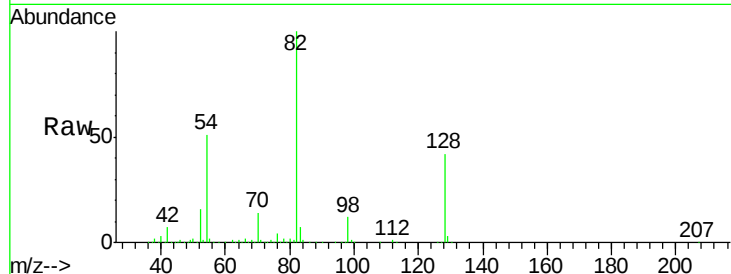




#23
 Nitrobenzene-d5
 Concen: 70.13 ng
 RT: 7.34 min Scan# 460
 Delta R.T. -0.03 min
 Lab File: BF091629.D
 Acq: 15 Dec 2016 15:38

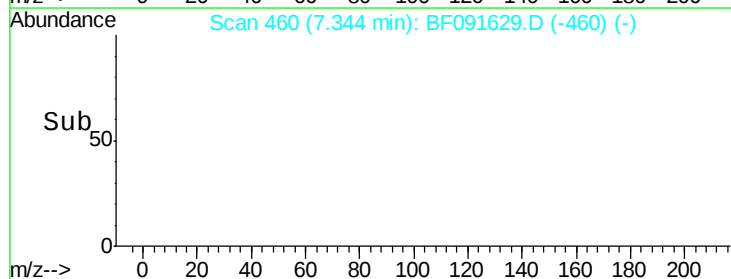
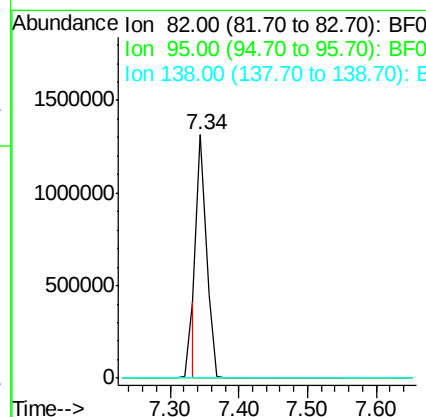
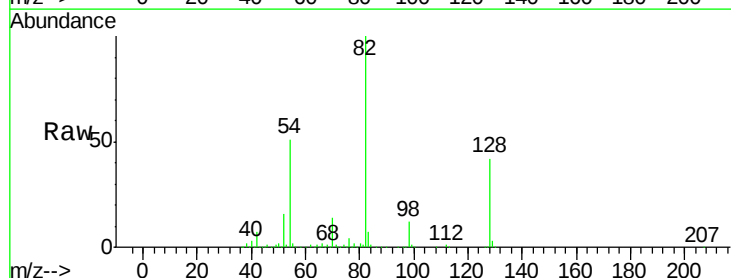
Instrument :
 BNA_F
 ClientSampleId :
 PB95351BL

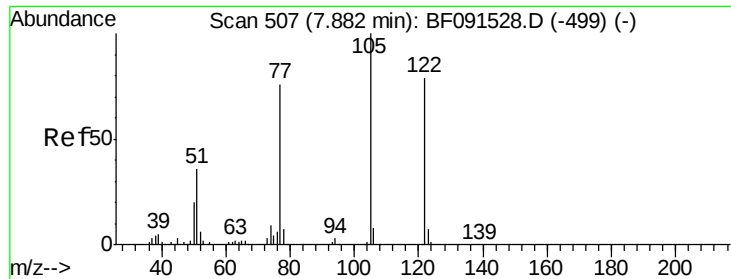
Tgt Ion: 82 Resp: 1513071
 Ion Ratio Lower Upper
 82 100
 128 41.7 31.8 47.6
 54 51.0 49.1 73.7



#25
 Isophorone
 Concen: 31.91 ng
 RT: 7.34 min Scan# 460
 Delta R.T. -0.30 min
 Lab File: BF091629.D
 Acq: 15 Dec 2016 15:38

Tgt Ion: 82 Resp: 1223900
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.7 8.5#
 138 0.0 13.4 20.0#

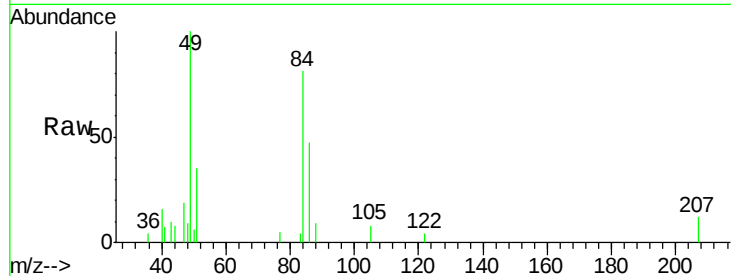




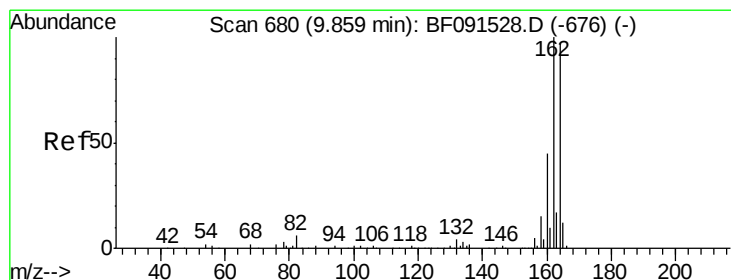
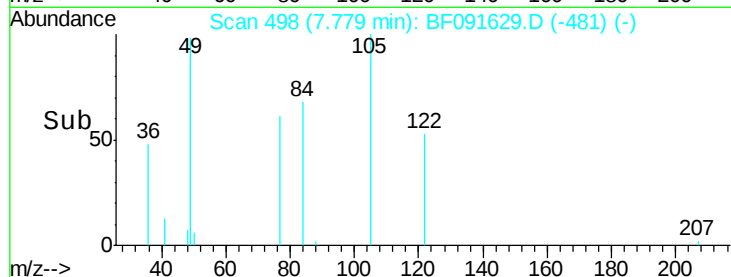
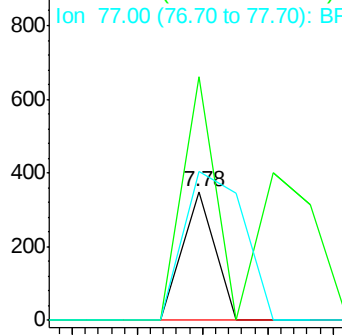
#32
Benzoic acid
Concen: 4.91 ng
RT: 7.78 min Scan# 498
Delta R.T. -0.10 min
Lab File: BF091629.D
Acq: 15 Dec 2016 15:38

Instrument :
BNA_F
ClientSampleId :
PB95351BL

Tgt Ion:122 Resp: 239
Ion Ratio Lower Upper
122 100
105 189.4 113.0 153.0#
77 115.5 82.0 122.0

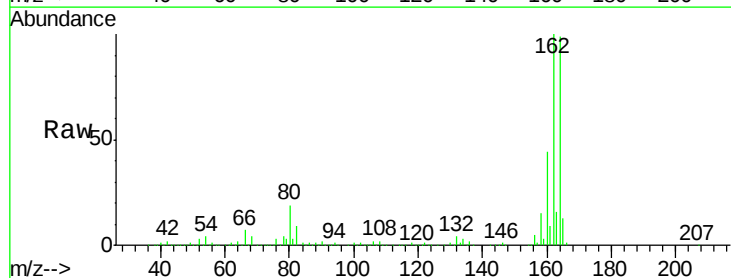


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

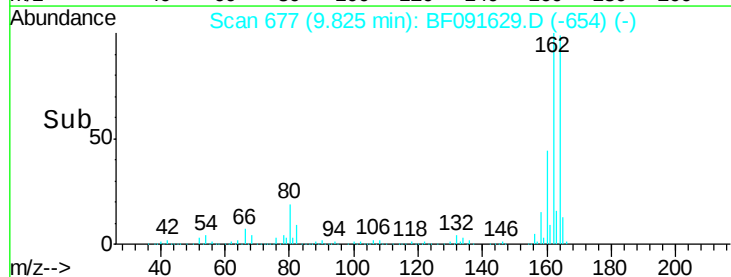
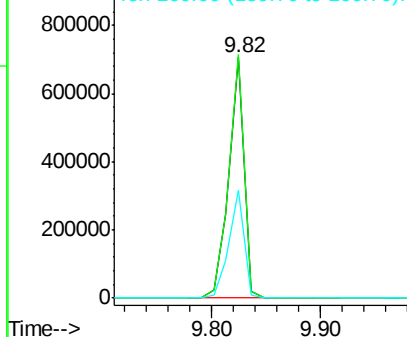


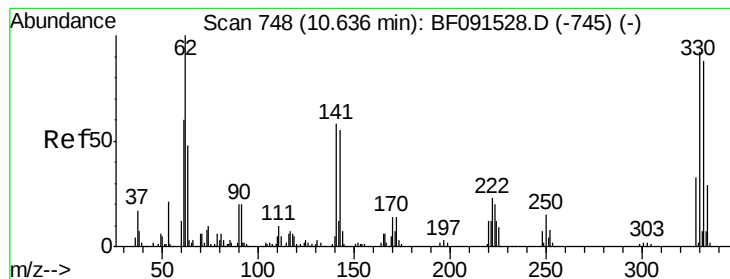
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 677
Delta R.T. -0.03 min
Lab File: BF091629.D
Acq: 15 Dec 2016 15:38

Tgt Ion:164 Resp: 684377
Ion Ratio Lower Upper
164 100
162 101.2 82.6 124.0
160 44.7 36.7 55.1



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

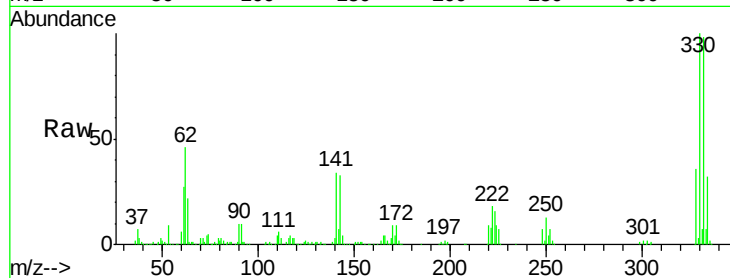




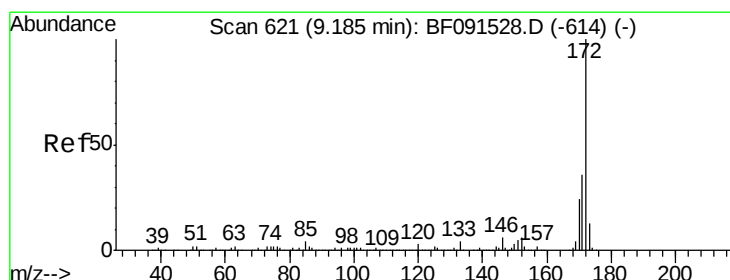
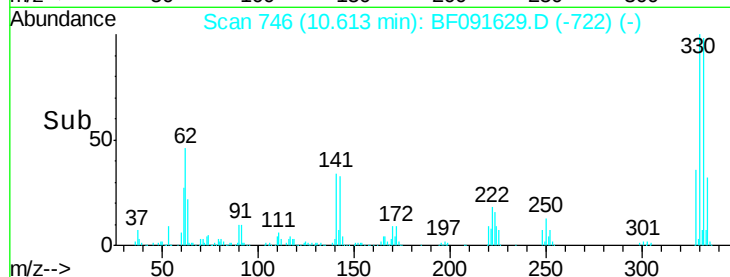
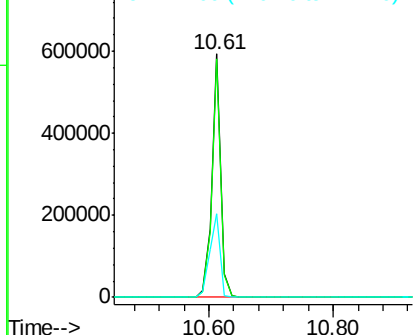
#41
 2,4,6-Tribromophenol
 Concen: 102.03 ng
 RT: 10.61 min Scan# 746
 Delta R.T. -0.02 min
 Lab File: BF091629.D
 Acq: 15 Dec 2016 15:38

Instrument :
 BNA_F
 ClientSampleId :
 PB95351BL

Tgt Ion:330 Resp: 579963
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.2 114.4
 141 40.6 33.6 50.4

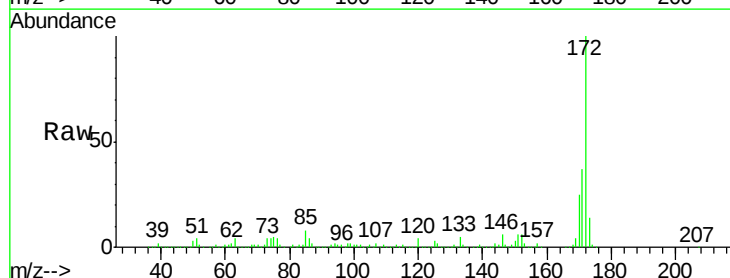


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

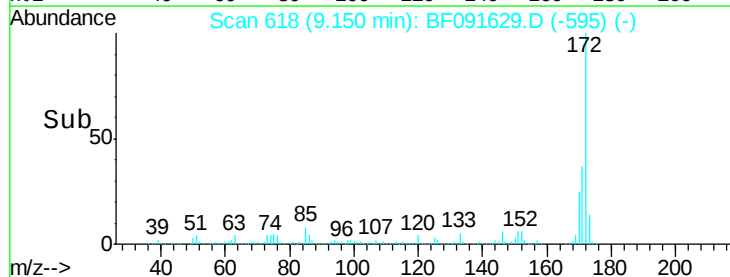
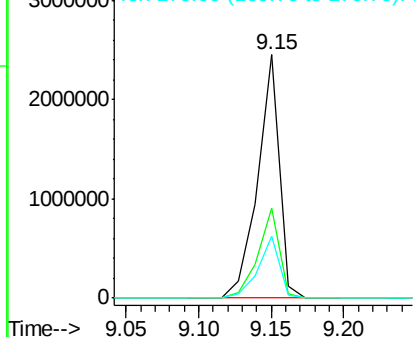


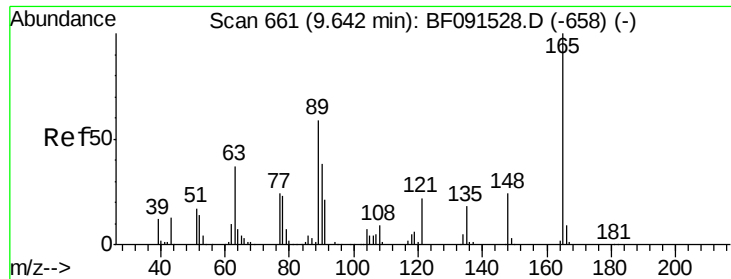
#44
 2-Fluorobiphenyl
 Concen: 64.29 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.03 min
 Lab File: BF091629.D
 Acq: 15 Dec 2016 15:38

Tgt Ion:172 Resp: 2546454
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.4 44.0
 170 25.3 19.7 29.5



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

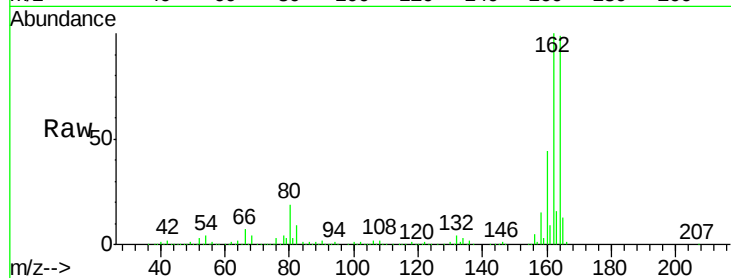




#50
2,6-Dinitrotoluene
Concen: 9.45 ng
RT: 9.82 min Scan# 677
Delta R.T. 0.18 min
Lab File: BF091629.D
Acq: 15 Dec 2016 15:38

Instrument :
BNA_F
ClientSampleId :
PB95351BL

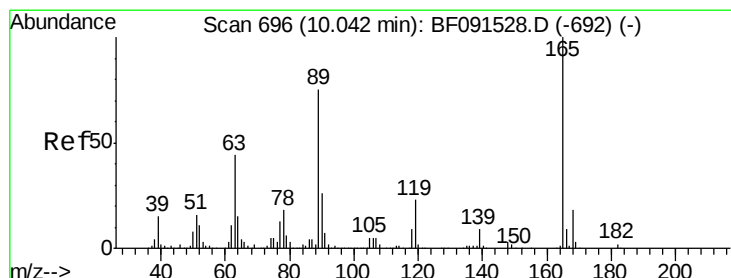
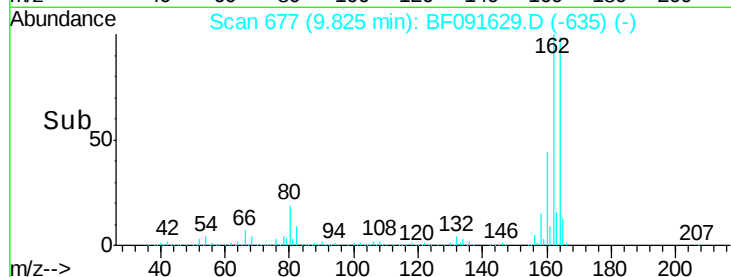
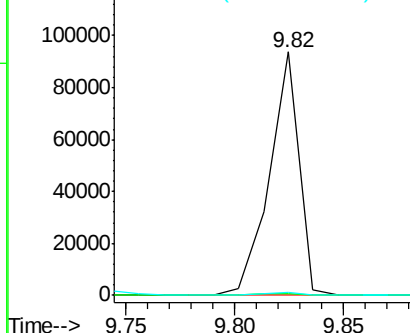
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.8	59.4	89.0#
89	1.1	50.8	76.2#



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



#56
2,4-Dinitrotoluene
Concen: 7.54 ng
RT: 9.82 min Scan# 677
Delta R.T. -0.22 min
Lab File: BF091629.D
Acq: 15 Dec 2016 15:38

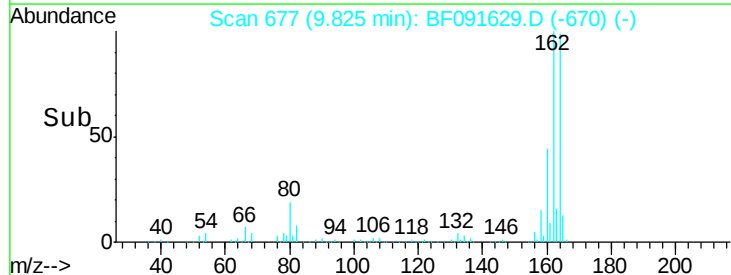
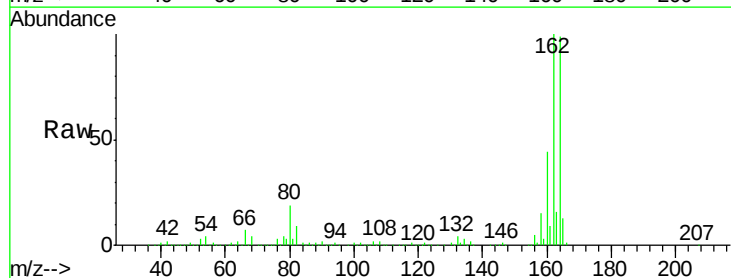
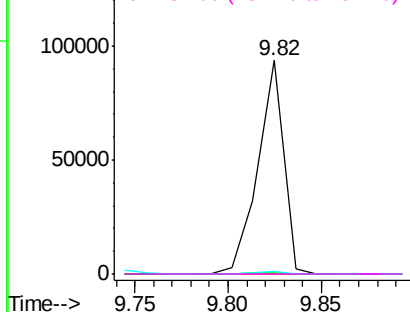
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.8	29.0	43.4#
89	1.1	43.1	64.7#
182	0.0	1.9	2.9#

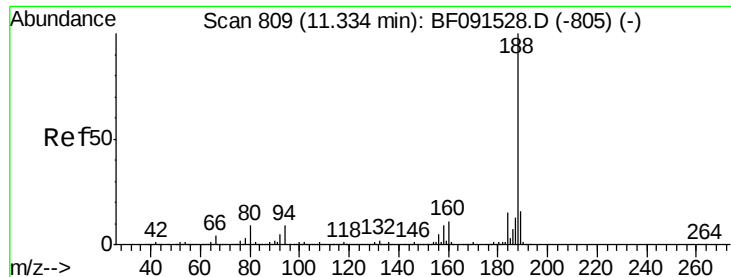
Abundance Ion 165.00 (164.70 to 165.70): E

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

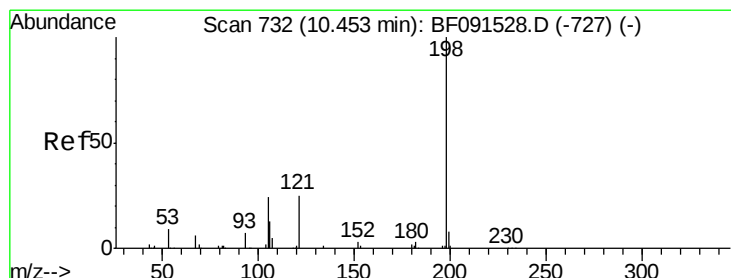
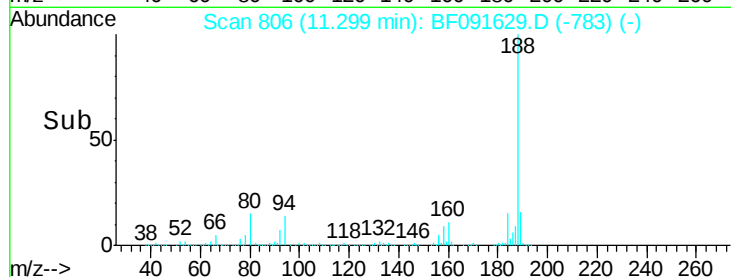
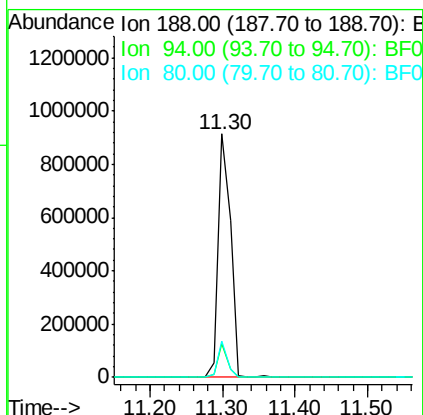
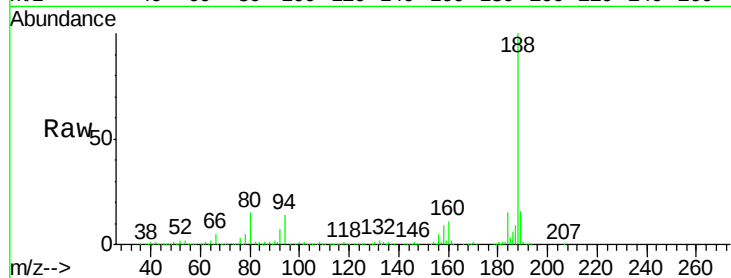




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.03 min
Lab File: BF091629.D
Acq: 15 Dec 2016 15:38

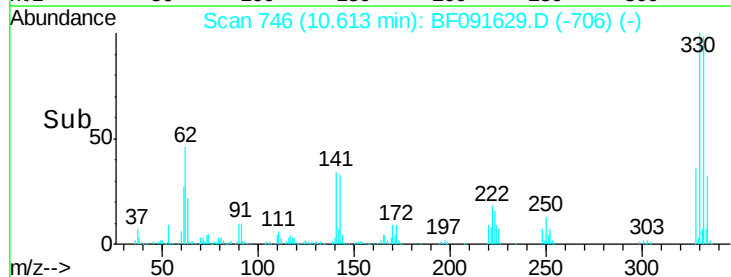
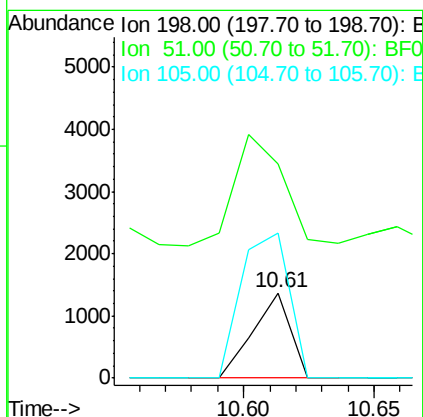
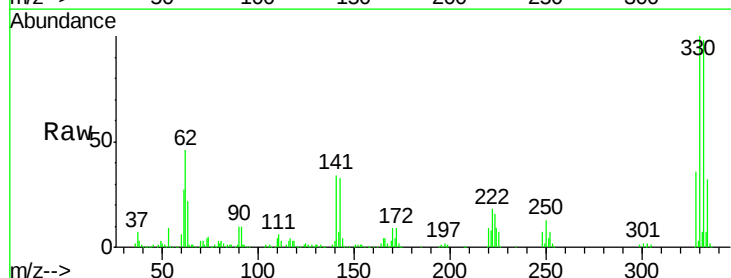
Instrument :
BNA_F
ClientSampleId :
PB95351BL

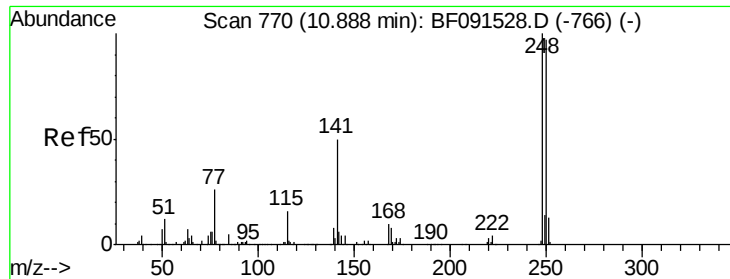
Tgt Ion:188 Resp: 1083191
Ion Ratio Lower Upper
188 100
94 13.7 9.2 13.8
80 14.8 10.5 15.7



#64
4,6-Dinitro-2-methylphenol
Concen: 3.14 ng
RT: 10.61 min Scan# 746
Delta R.T. 0.16 min
Lab File: BF091629.D
Acq: 15 Dec 2016 15:38

Tgt Ion:198 Resp: 1380
Ion Ratio Lower Upper
198 100
51 251.7 77.1 117.1#
105 170.7 44.8 84.8#

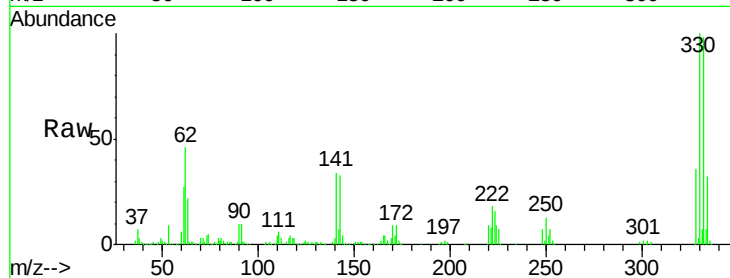




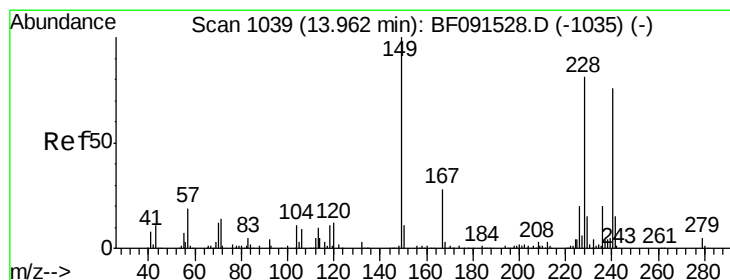
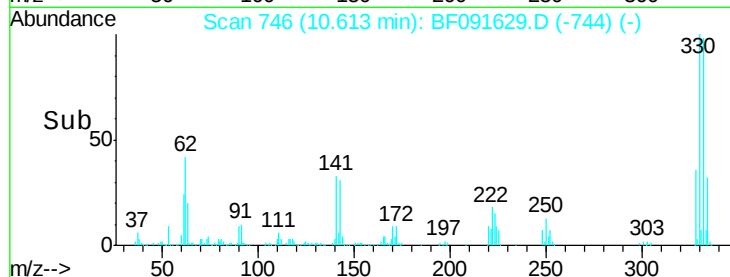
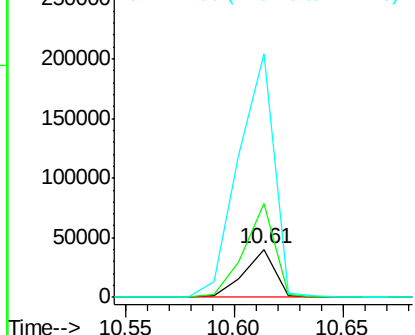
#66
4-Bromophenyl-phenylether
Concen: 3.64 ng
RT: 10.61 min Scan# 746
Delta R.T. -0.27 min
Lab File: BF091629.D
Acq: 15 Dec 2016 15:38

Instrument :
BNA_F
ClientSampleId :
PB95351BL

Tgt Ion:248 Resp: 40434
Ion Ratio Lower Upper
248 100
250 193.9 78.2 117.4#
141 503.8 71.9 107.9#

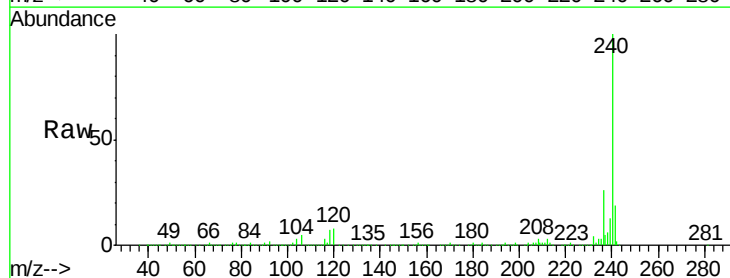


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

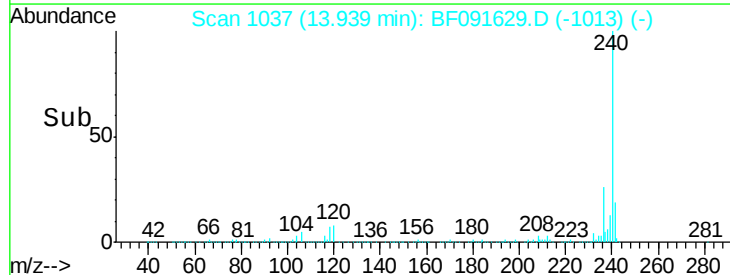
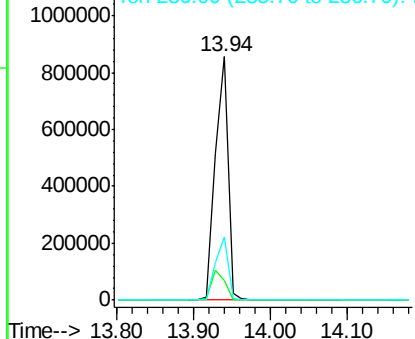


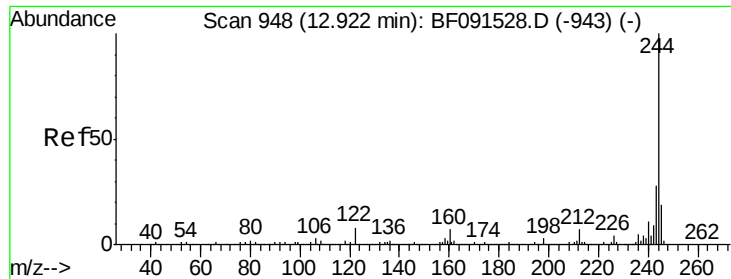
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.94 min Scan# 1037
Delta R.T. -0.02 min
Lab File: BF091629.D
Acq: 15 Dec 2016 15:38

Tgt Ion:240 Resp: 977268
Ion Ratio Lower Upper
240 100
120 8.2 12.1 18.1#
236 25.9 21.0 31.6



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

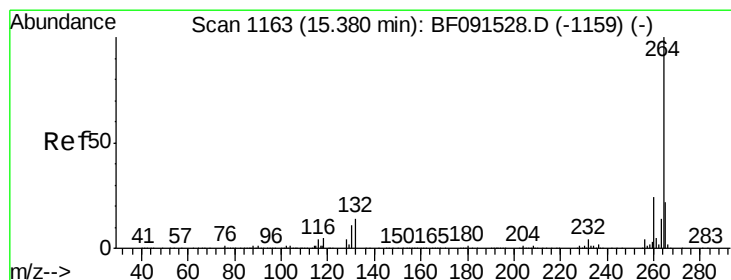
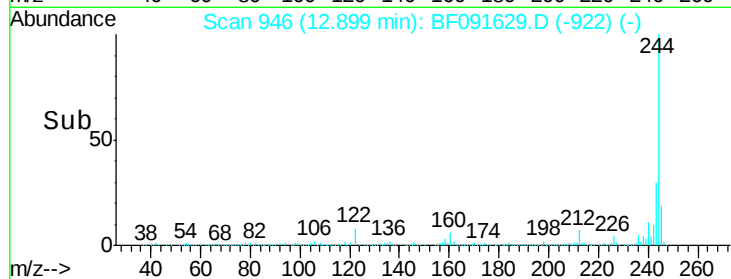
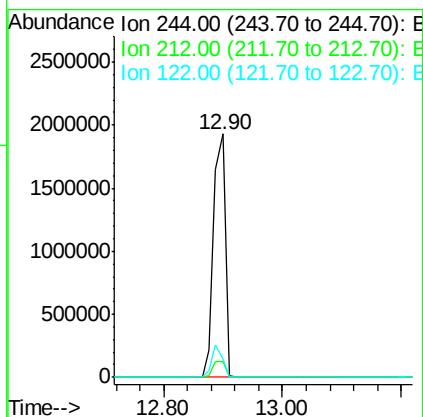
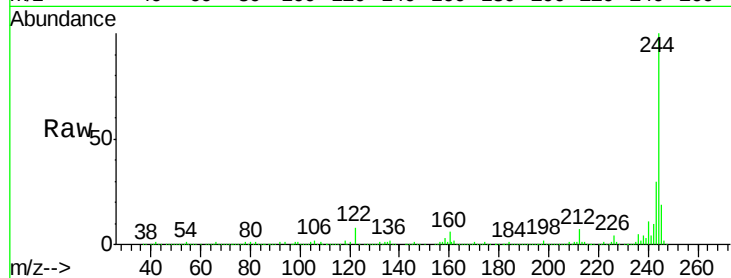




#78
 Terphenyl-d14
 Concen: 61.30 ng
 RT: 12.90 min Scan# 946
 Delta R.T. -0.02 min
 Lab File: BF091629.D
 Acq: 15 Dec 2016 15:38

Instrument :
 BNA_F
 ClientSampleId :
 PB95351BL

Tgt Ion:244 Resp: 2639952
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.5 9.7
 122 7.6 9.5 14.3#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.35 min Scan# 1160
 Delta R.T. -0.03 min
 Lab File: BF091629.D
 Acq: 15 Dec 2016 15:38

Tgt Ion:264 Resp: 767153
 Ion Ratio Lower Upper
 264 100
 260 24.5 18.8 28.2
 265 21.6 17.0 25.6

