

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
 Data File : BF091676.D
 Acq On : 16 Dec 2016 16:52
 Operator : UM/SJ
 Sample : PB95365BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB95365BL

Quant Time: Dec 16 21:58:56 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 16 00:35:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	221694	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	905119	20.00	ng	-0.02
38) Acenaphthene-d10	9.81	164	550214	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	834719	20.00	ng	-0.02
75) Chrysene-d12	13.92	240	872611	20.00	ng	-0.02
86) Perylene-d12	15.32	264	711453	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	1504178	114.31	ng	0.00
7) Phenol-d6	6.42	99	2218161	135.21	ng	-0.01
23) Nitrobenzene-d5	7.33	82	1143211	70.49	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	560505	122.65	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	2257530	70.90	ng	-0.01
78) Terphenyl-d14	12.88	244	2316555	60.24	ng	-0.02

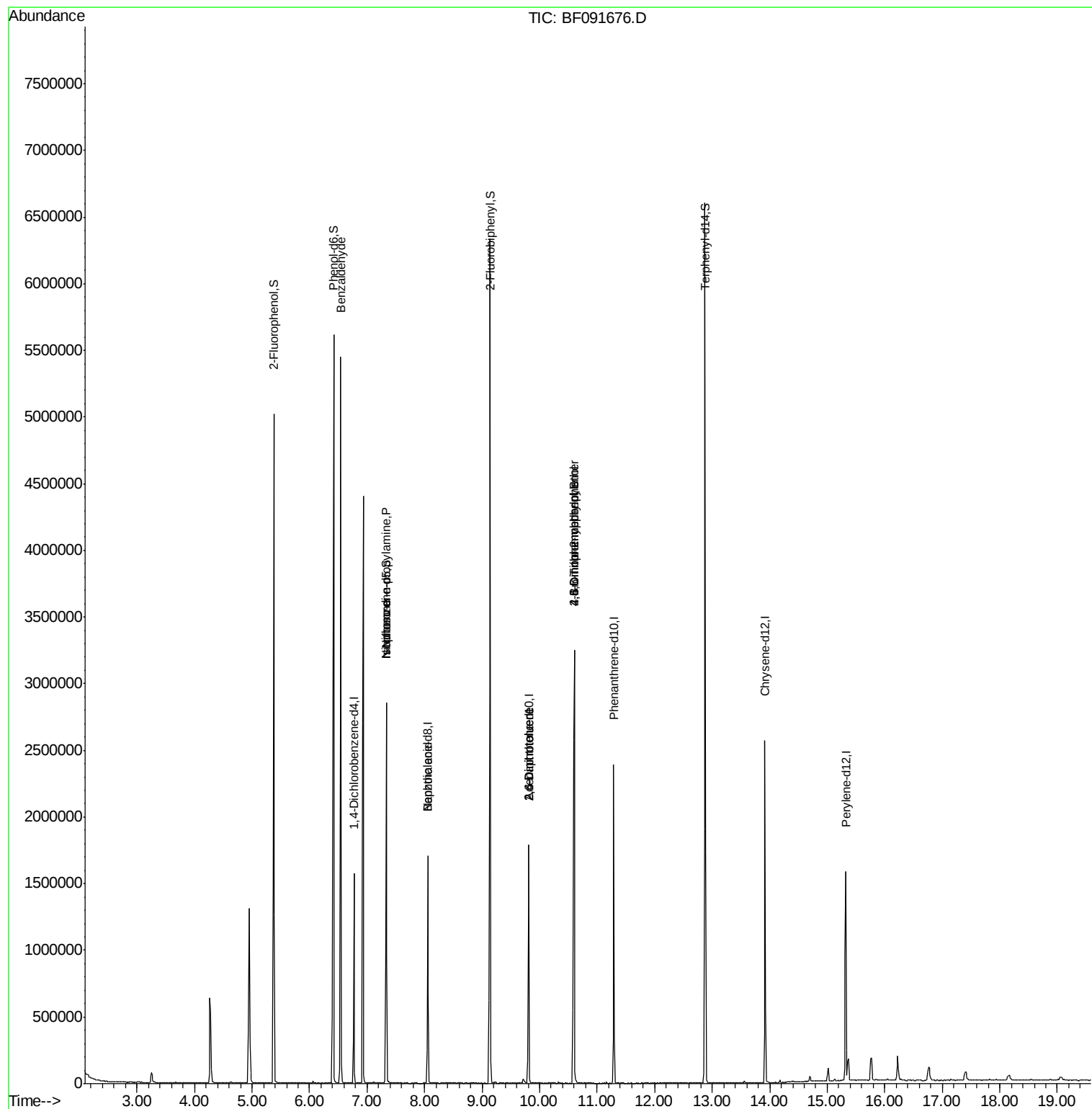
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.54	77	42364	3.75	ng	86
19) n-Nitroso-di-n-propylamine	7.33	70	152018	14.82	ng	# 67
25) Isophorone	7.33	82	926264	32.13	ng	# 67
32) Benzoic acid	8.05	122	228	4.92	ng	# 1
50) 2,6-Dinitrotoluene	9.81	165	70873	9.27	ng	# 16
56) 2,4-Dinitrotoluene	9.81	165	70873	7.39	ng	# 33
57) Fluorene	10.60	166	24748	Below Cal		# 87
64) 4,6-Dinitro-2-methylphenol	10.60	198	1425	3.21	ng	# 67
66) 4-Bromophenyl-phenylether	10.60	248	38156	4.46	ng	# 1

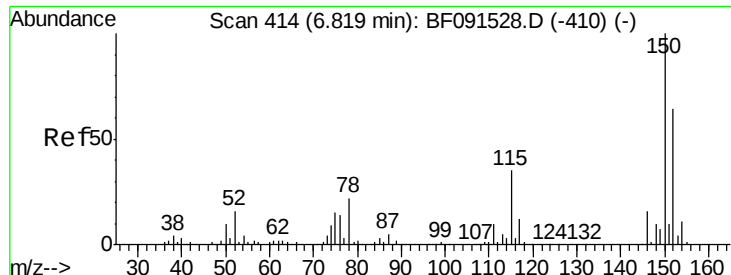
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF091676.D

Acq: 16 Dec 2016 16:52

Instrument :

BNA_F

ClientSampleId :

PB95365BL

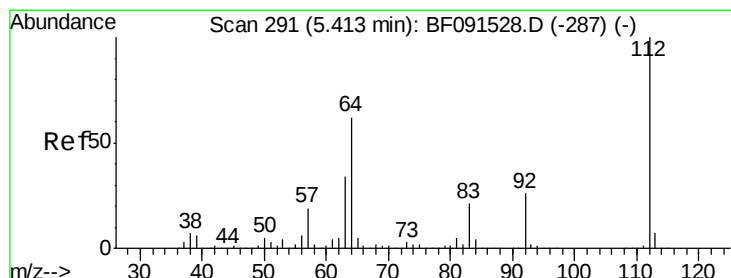
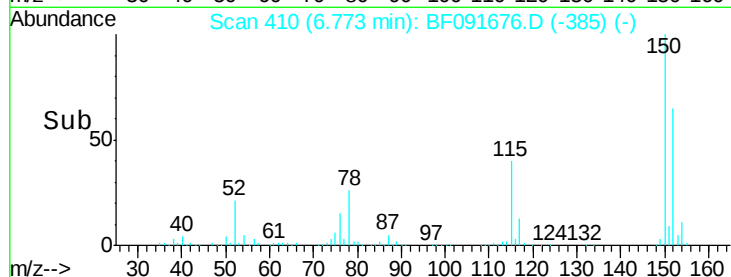
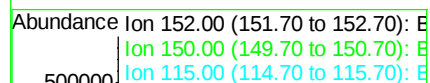
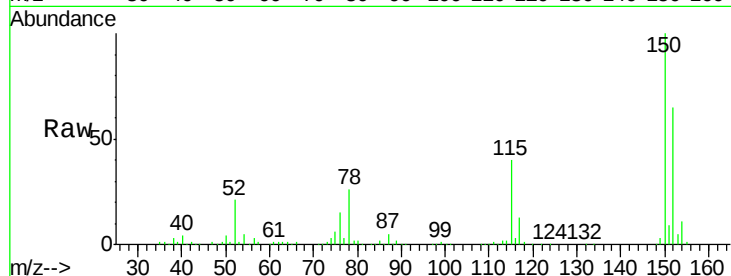
Tgt Ion:152 Resp: 221694

Ion Ratio Lower Upper

152 100

150 155.0 122.5 183.7

115 62.3 51.8 77.8



#5

2-Fluorophenol

Concen: 114.31 ng

RT: 5.38 min Scan# 288

Delta R.T. -0.00 min

Lab File: BF091676.D

Acq: 16 Dec 2016 16:52

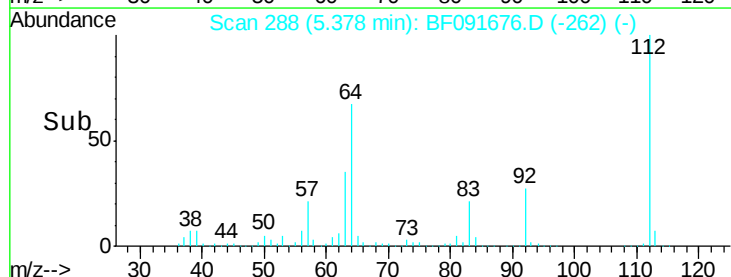
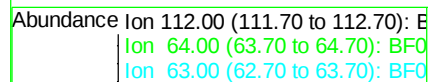
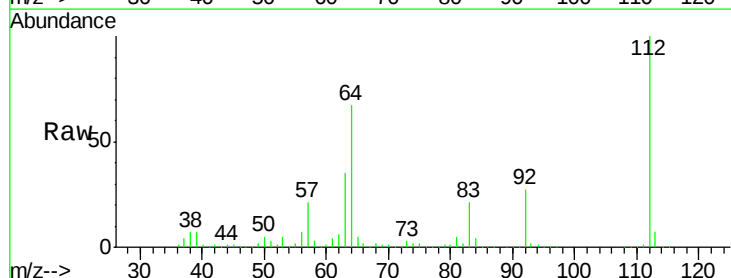
Tgt Ion:112 Resp: 1504178

Ion Ratio Lower Upper

112 100

64 66.8 61.5 92.3

63 34.8 33.3 49.9





#7

Phenol-d6

Concen: 135.21 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF091676.D

Acq: 16 Dec 2016 16:52

Instrument :

BNA_F

ClientSampleId :

PB95365BL

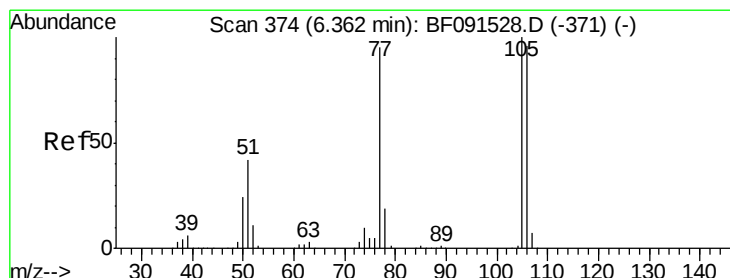
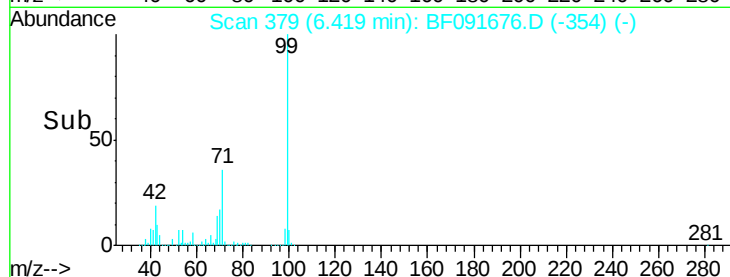
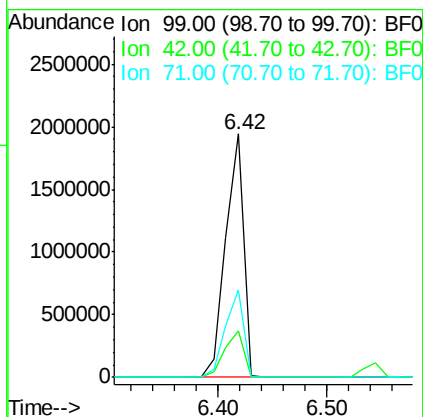
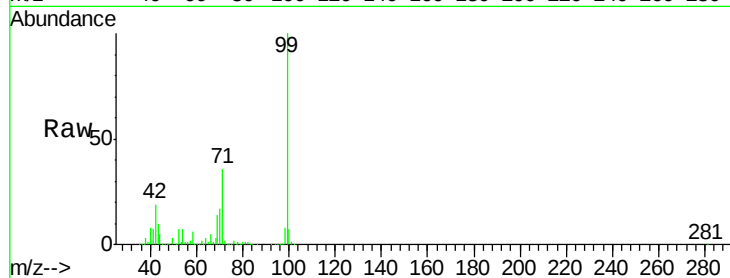
Tgt Ion: 99 Resp: 2218161

Ion Ratio Lower Upper

99 100

42 19.1 20.6 31.0#

71 35.8 29.9 44.9



#9

Benzaldehyde

Concen: 3.75 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.22 min

Lab File: BF091676.D

Acq: 16 Dec 2016 16:52

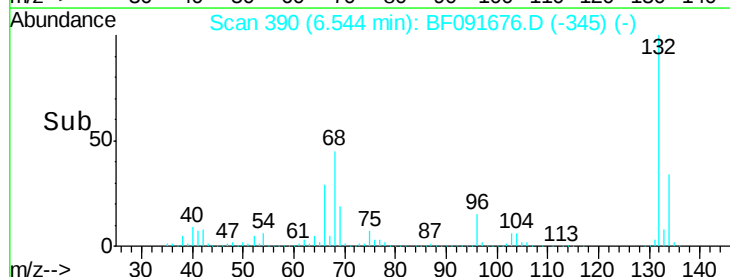
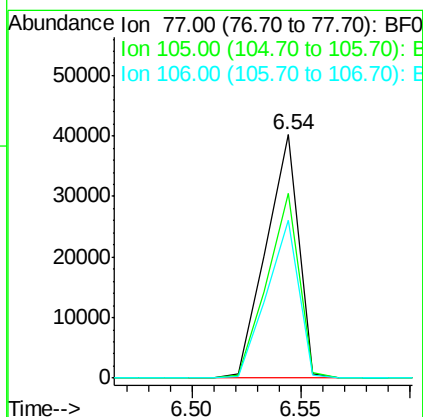
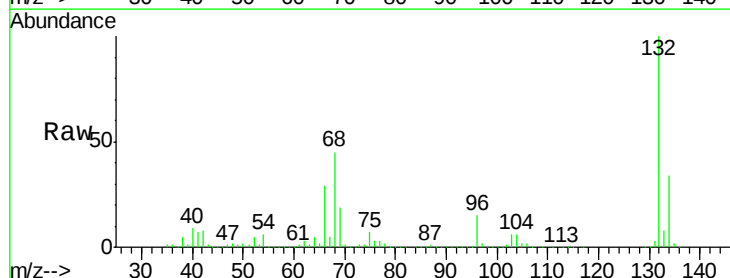
Tgt Ion: 77 Resp: 42364

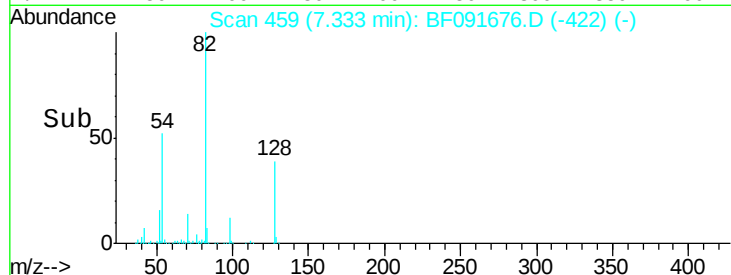
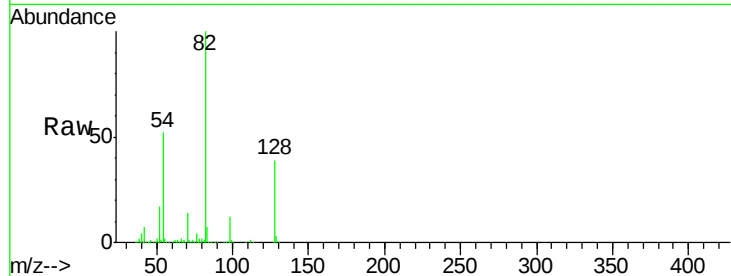
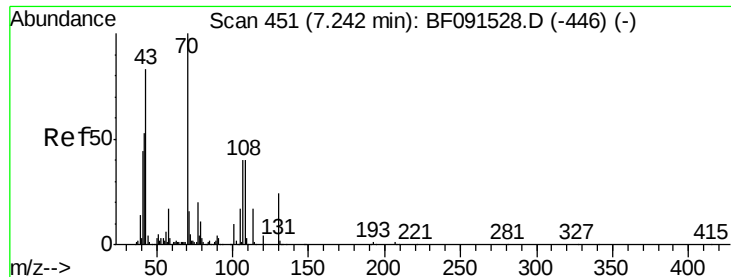
Ion Ratio Lower Upper

77 100

105 76.1 66.4 106.4

106 65.1 60.9 100.9

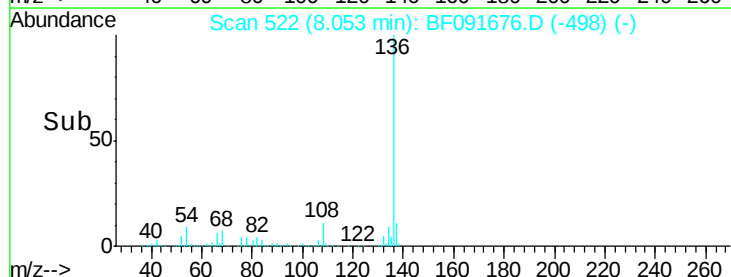
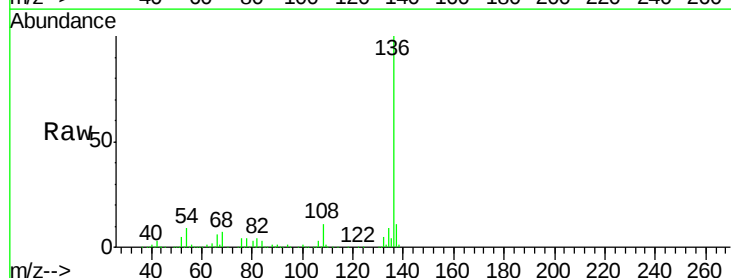
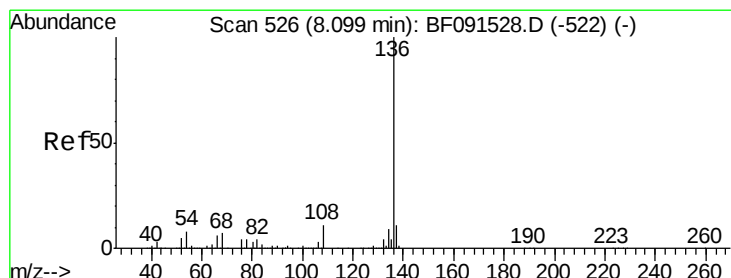
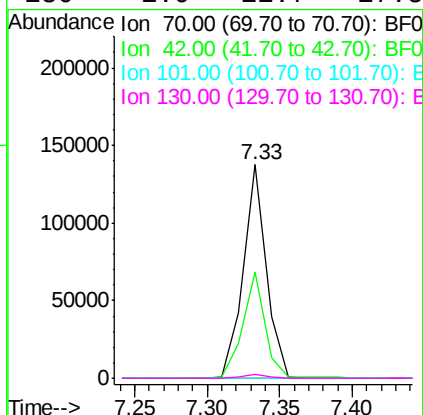




#19
n-Nitroso-di-n-propylamine
Concen: 14.82 ng
RT: 7.33 min Scan# 459
Delta R.T. 0.13 min
Lab File: BF091676.D
Acq: 16 Dec 2016 16:52

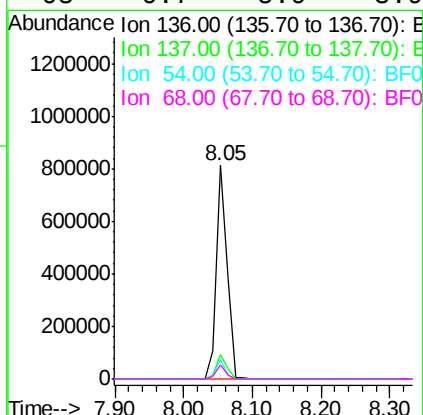
Instrument :
BNA_F
ClientSampleId :
PB95365BL

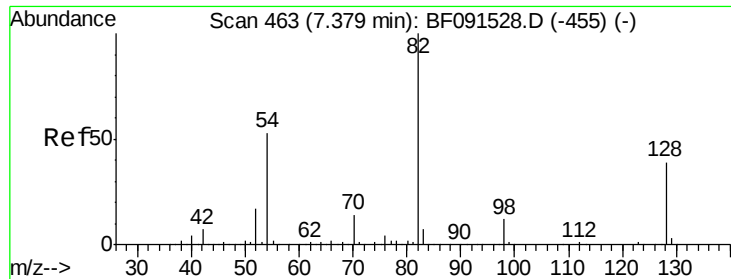
Tgt Ion:	70	Resp:	152018
Ion	Ratio	Lower	Upper
70	100		
42	49.9	64.8	97.2#
101	0.0	6.2	9.4#
130	1.9	11.7	17.5#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.05 min Scan# 522
Delta R.T. -0.02 min
Lab File: BF091676.D
Acq: 16 Dec 2016 16:52

Tgt Ion:	136	Resp:	905119
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	9.1	9.1	13.7#
68	6.7	5.9	8.9

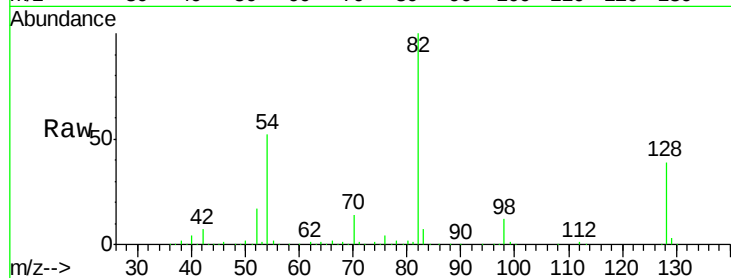




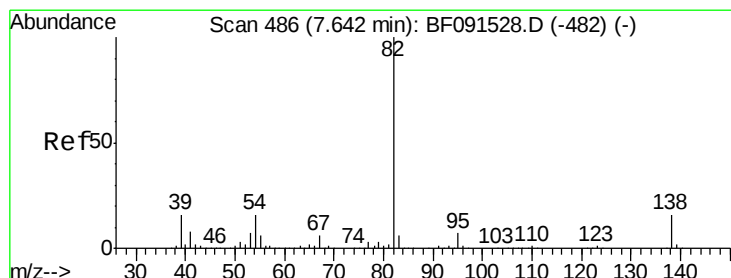
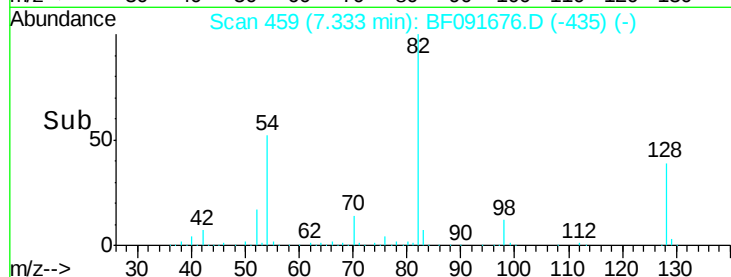
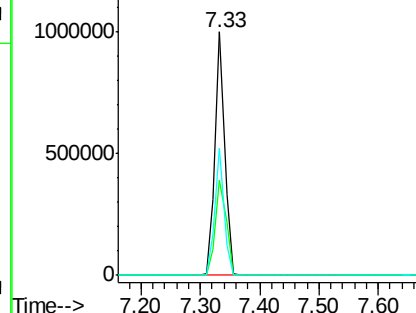
#23
 Nitrobenzene-d5
 Concen: 70.49 ng
 RT: 7.33 min Scan# 459
 Delta R.T. -0.02 min
 Lab File: BF091676.D
 Acq: 16 Dec 2016 16:52

Instrument :
 BNA_F
 ClientSampleId :
 PB95365BL

Tgt Ion: 82 Resp: 1143211
 Ion Ratio Lower Upper
 82 100
 128 39.1 31.8 47.6
 54 52.1 49.1 73.7

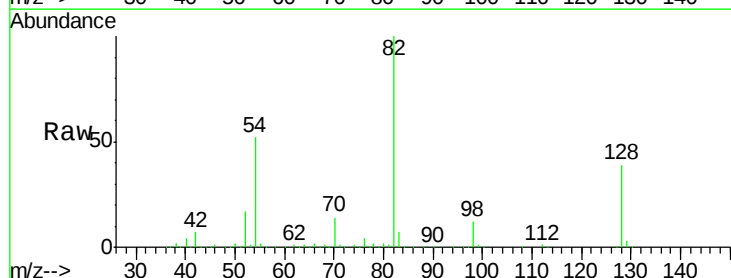


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

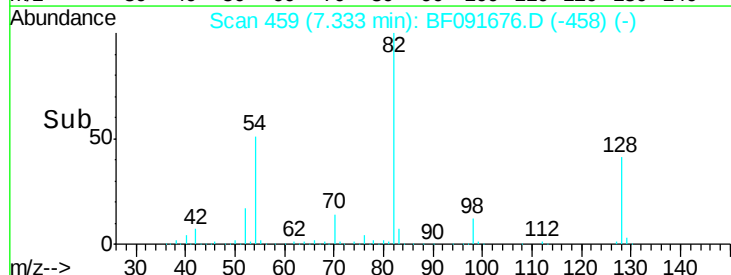
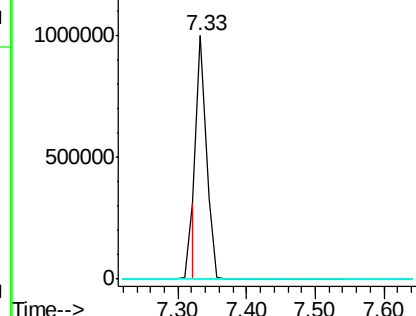


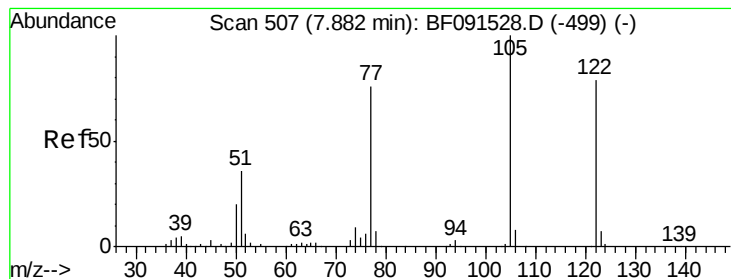
#25
 Isophorone
 Concen: 32.13 ng
 RT: 7.33 min Scan# 459
 Delta R.T. -0.29 min
 Lab File: BF091676.D
 Acq: 16 Dec 2016 16:52

Tgt Ion: 82 Resp: 926264
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.7 8.5#
 138 0.0 13.4 20.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0





#32

Benzoic acid

Concen: 4.92 ng

RT: 8.05 min Scan# 522

Delta R.T. 0.19 min

Lab File: BF091676.D

Acq: 16 Dec 2016 16:52

Instrument :

BNA_F

ClientSampleId :

PB95365BL

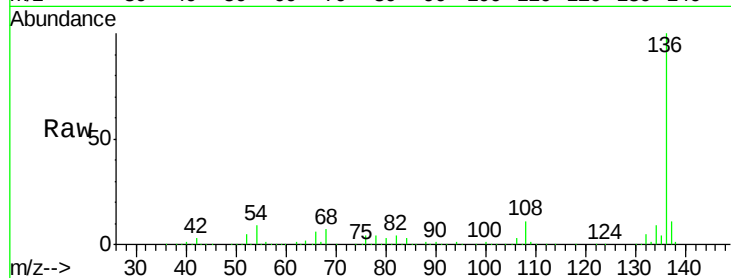
Tgt Ion:122 Resp: 228

Ion Ratio Lower Upper

122 100

105 270.5 113.0 153.0#

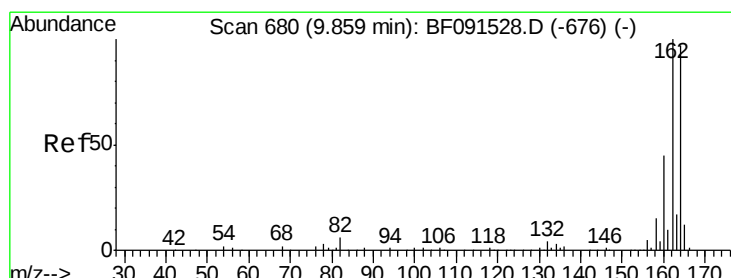
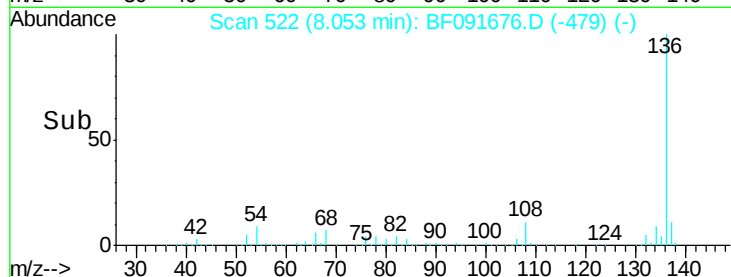
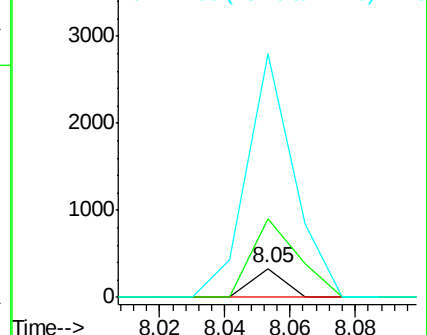
77 843.1 82.0 122.0#



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: 9.81 min Scan# 676

Delta R.T. -0.01 min

Lab File: BF091676.D

Acq: 16 Dec 2016 16:52

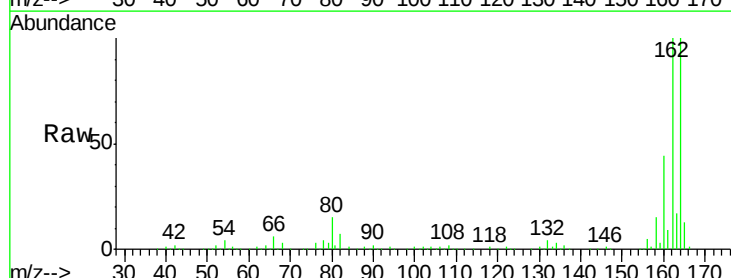
Tgt Ion:164 Resp: 550214

Ion Ratio Lower Upper

164 100

162 99.6 82.6 124.0

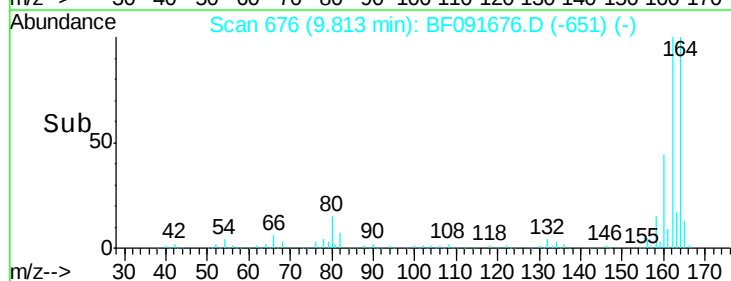
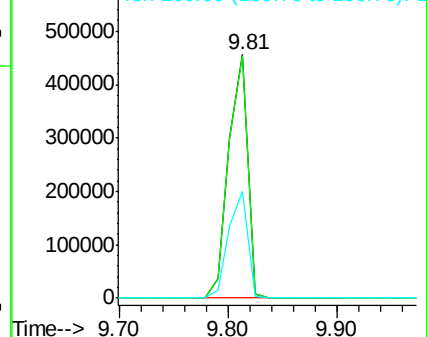
160 44.0 36.7 55.1

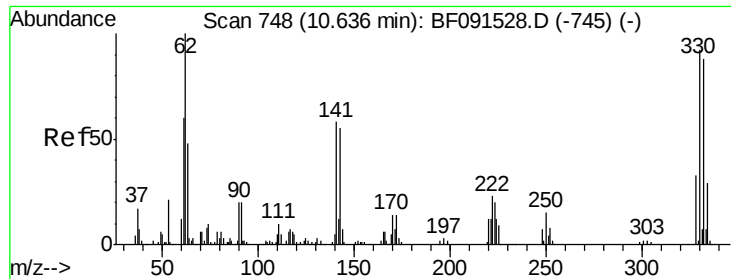


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

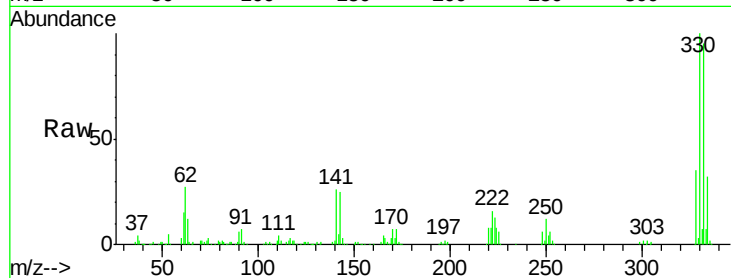




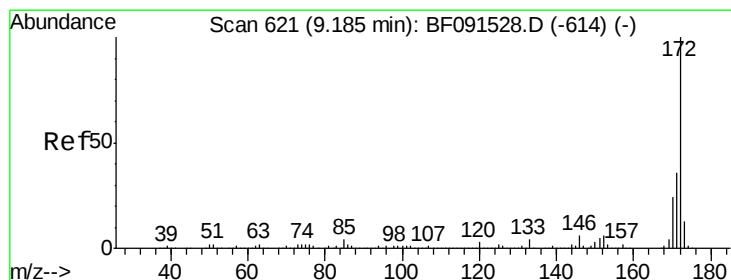
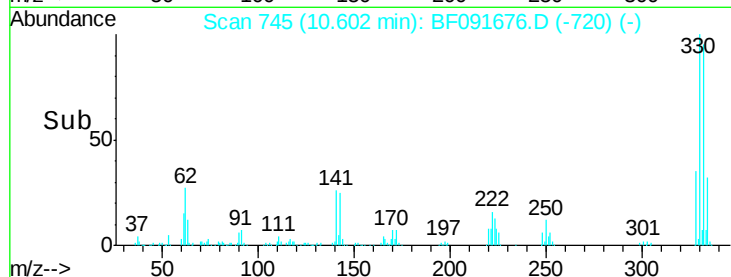
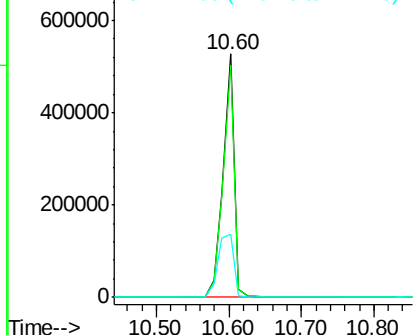
#41
 2,4,6-Tribromophenol
 Concen: 122.65 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF091676.D
 Acq: 16 Dec 2016 16:52

Instrument :
 BNA_F
 ClientSampleId :
 PB95365BL

Tgt Ion:330 Resp: 560505
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.2 114.4
 141 36.9 33.6 50.4

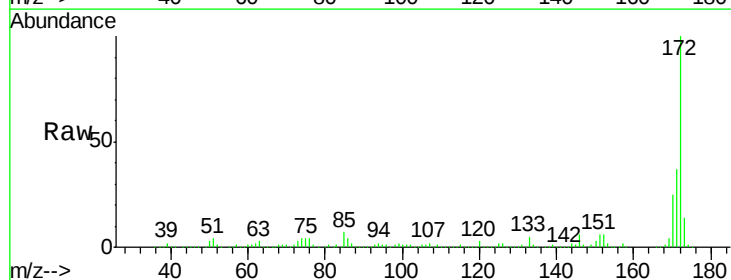


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

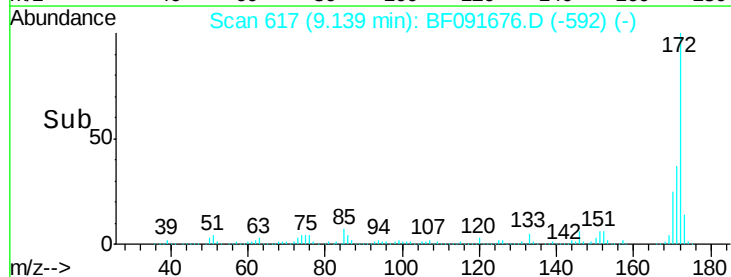
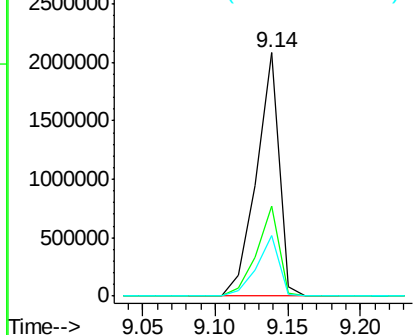


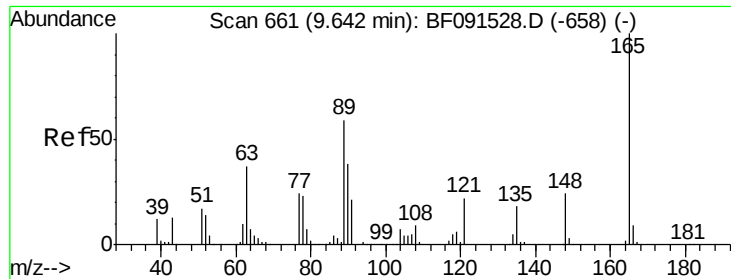
#44
 2-Fluorobiphenyl
 Concen: 70.90 ng
 RT: 9.14 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: BF091676.D
 Acq: 16 Dec 2016 16:52

Tgt Ion:172 Resp: 2257530
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.4 44.0
 170 25.0 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

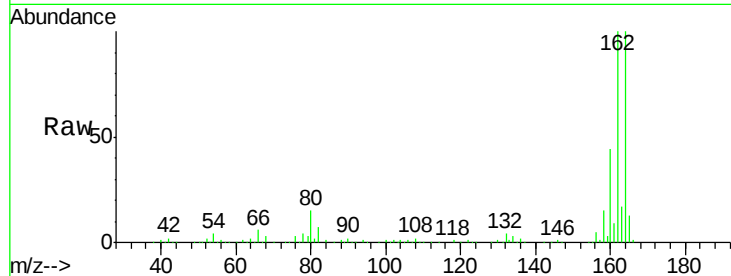




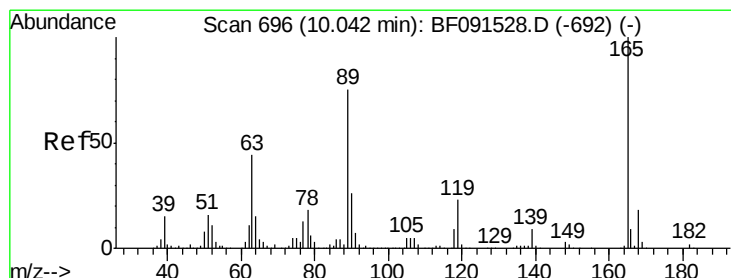
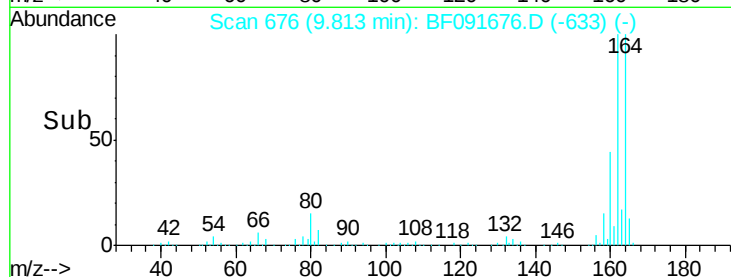
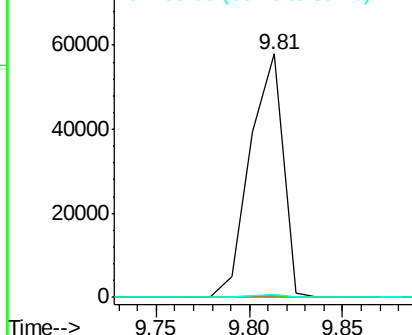
#50
 2,6-Dinitrotoluene
 Concen: 9.27 ng
 RT: 9.81 min Scan# 676
 Delta R.T. 0.19 min
 Lab File: BF091676.D
 Acq: 16 Dec 2016 16:52

Instrument :
 BNA_F
 ClientSampleId :
 PB95365BL

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

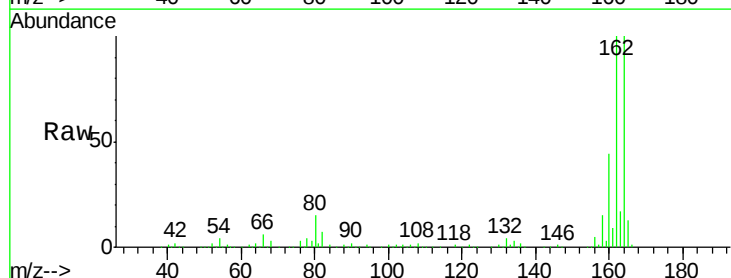


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

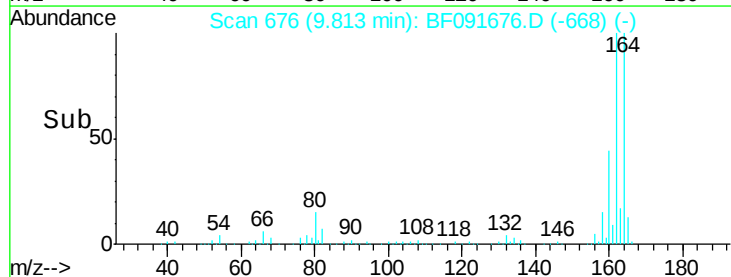
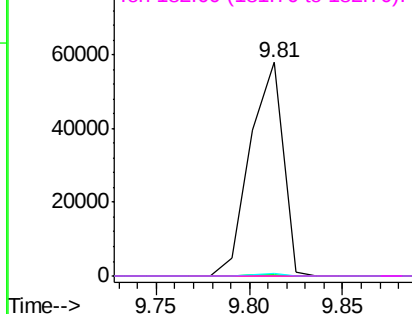


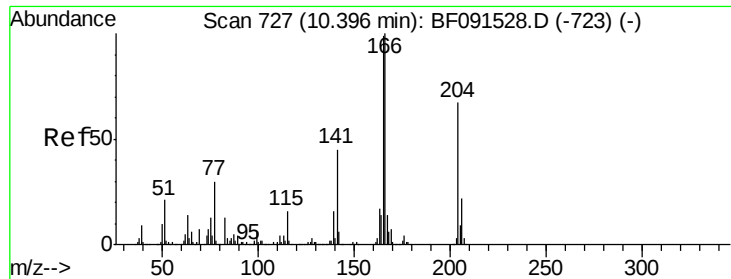
#56
 2,4-Dinitrotoluene
 Concen: 7.39 ng
 RT: 9.81 min Scan# 676
 Delta R.T. -0.21 min
 Lab File: BF091676.D
 Acq: 16 Dec 2016 16:52

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

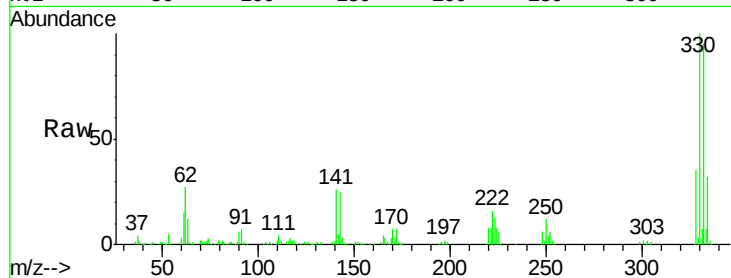




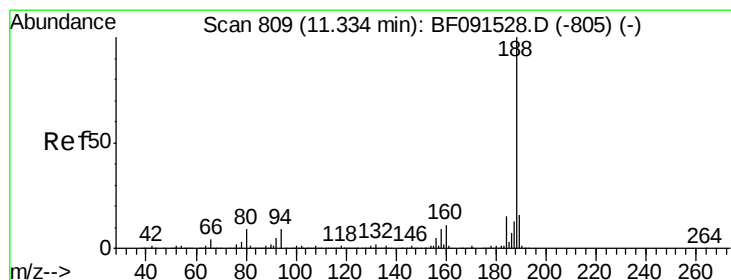
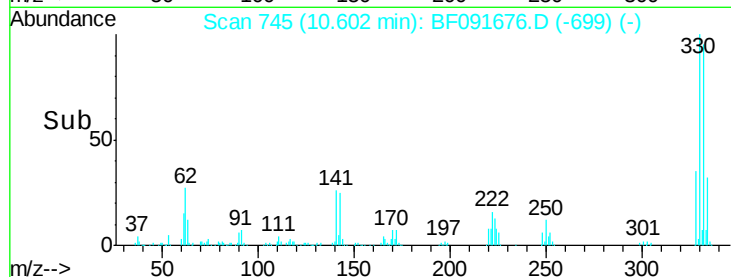
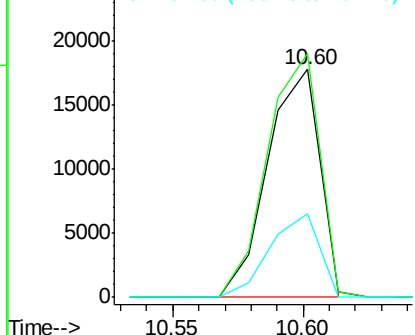
#57
 Fluorene
 Concen: Below Cal
 RT: 10.60 min Scan# 745
 Delta R.T. 0.23 min
 Lab File: BF091676.D
 Acq: 16 Dec 2016 16:52

Instrument :
 BNA_F
 ClientSampleId :
 PB95365BL

Tgt Ion:166 Resp: 24748
 Ion Ratio Lower Upper
 166 100
 165 106.9 80.0 120.0
 167 36.4 10.8 16.2#

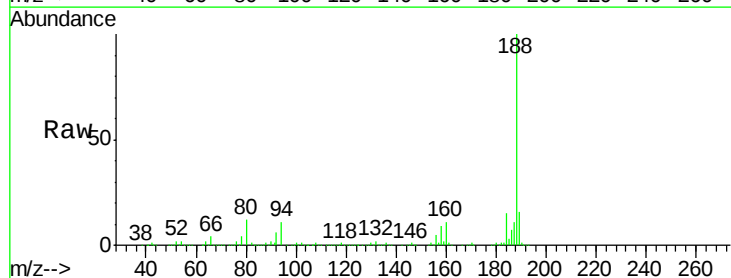


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

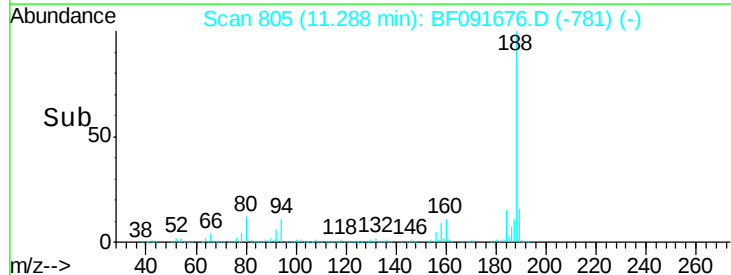
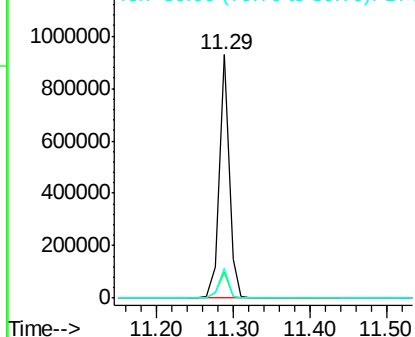


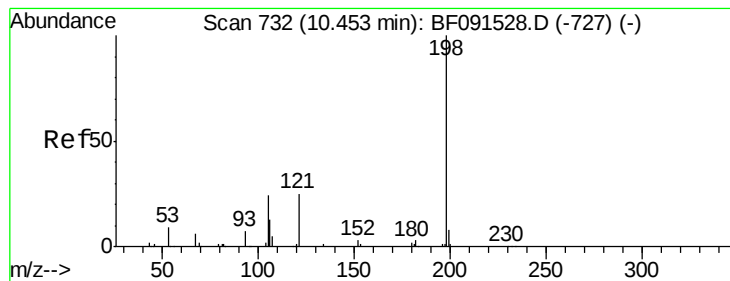
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 805
 Delta R.T. -0.02 min
 Lab File: BF091676.D
 Acq: 16 Dec 2016 16:52

Tgt Ion:188 Resp: 834719
 Ion Ratio Lower Upper
 188 100
 94 10.9 9.2 13.8
 80 12.0 10.5 15.7



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: 3.21 ng

RT: 10.60 min Scan# 745

Delta R.T. 0.17 min

Lab File: BF091676.D

Acq: 16 Dec 2016 16:52

Instrument :

BNA_F

ClientSampleId :

PB95365BL

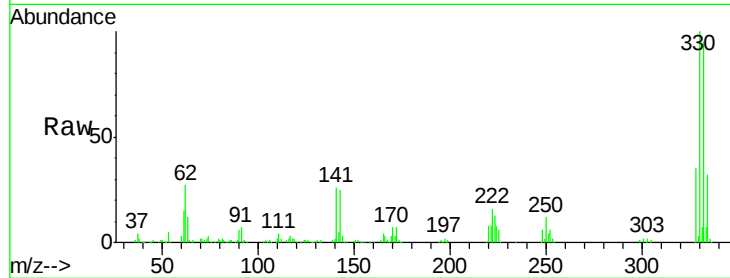
Tgt Ion:198 Resp: 1425

Ion Ratio Lower Upper

198 100

51 84.2 77.1 117.1

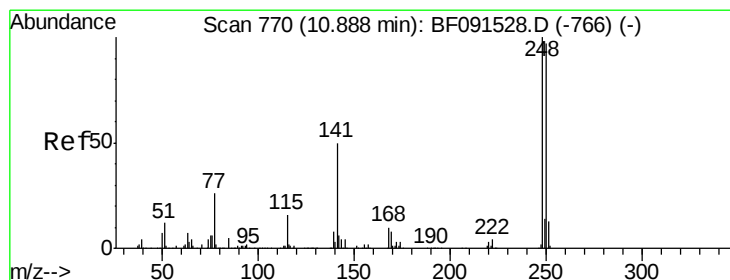
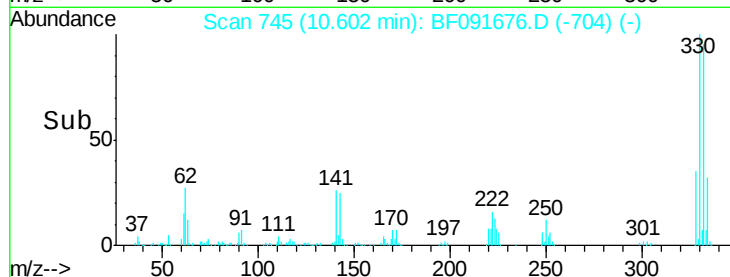
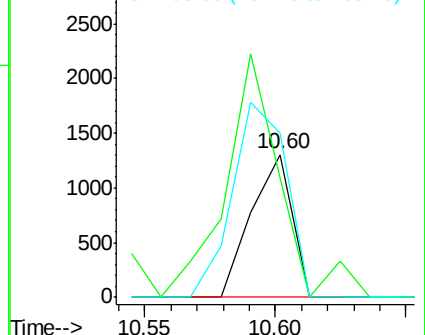
105 115.1 44.8 84.8#



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: 4.46 ng

RT: 10.60 min Scan# 745

Delta R.T. -0.25 min

Lab File: BF091676.D

Acq: 16 Dec 2016 16:52

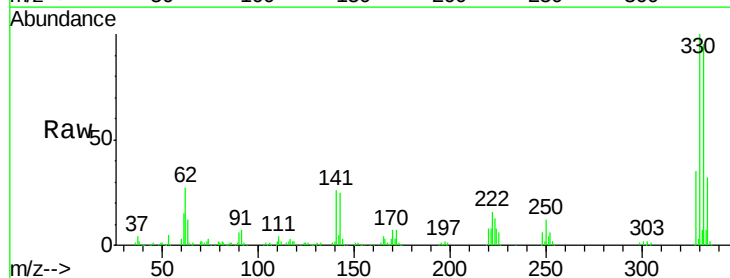
Tgt Ion:248 Resp: 38156

Ion Ratio Lower Upper

248 100

250 195.8 78.2 117.4#

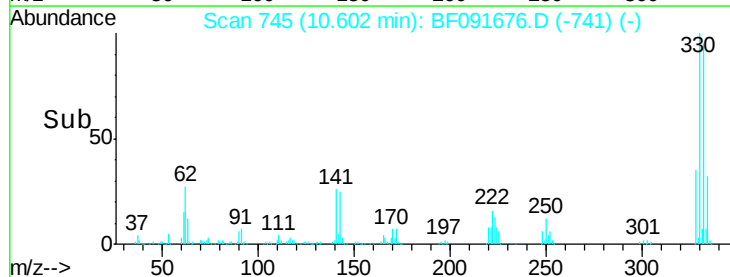
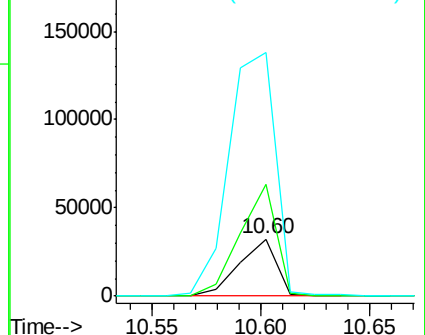
141 427.0 71.9 107.9#

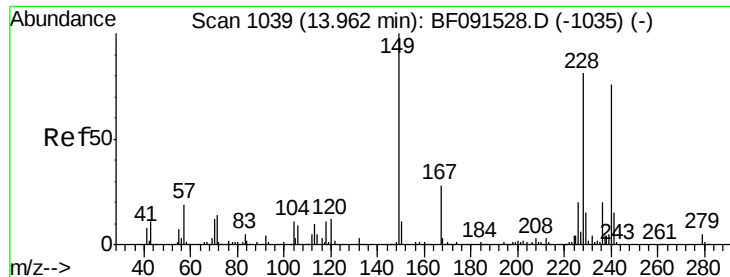


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.92 min Scan# 1035

Delta R.T. -0.02 min

Lab File: BF091676.D

Acq: 16 Dec 2016 16:52

Instrument :

BNA_F

ClientSampleId :

PB95365BL

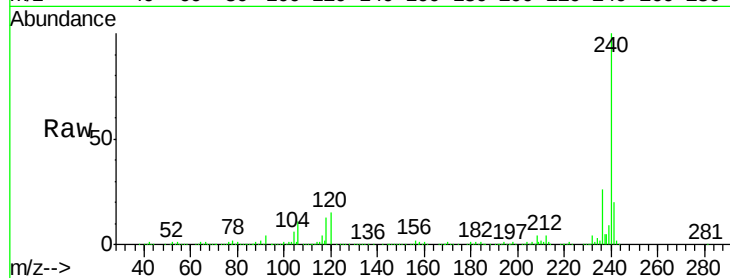
Tgt Ion:240 Resp: 872611

Ion Ratio Lower Upper

240 100

120 14.7 12.1 18.1

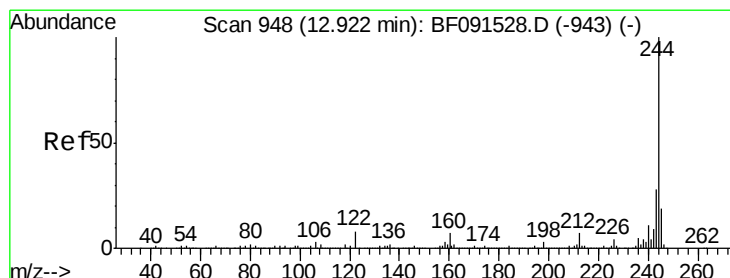
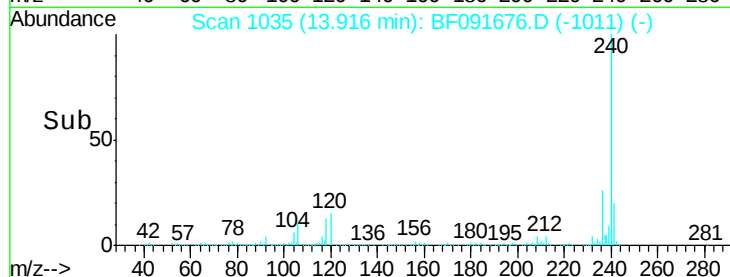
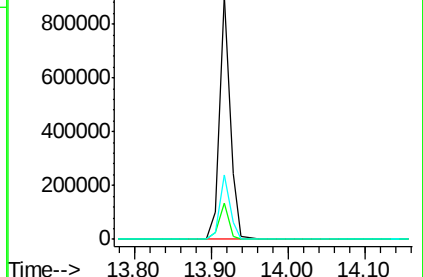
236 26.2 21.0 31.6



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: 60.24 ng

RT: 12.88 min Scan# 944

Delta R.T. -0.02 min

Lab File: BF091676.D

Acq: 16 Dec 2016 16:52

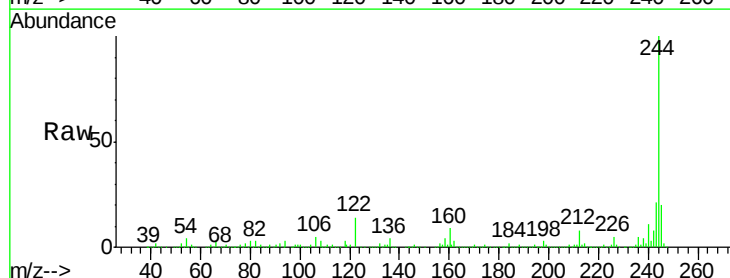
Tgt Ion:244 Resp: 2316555

Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

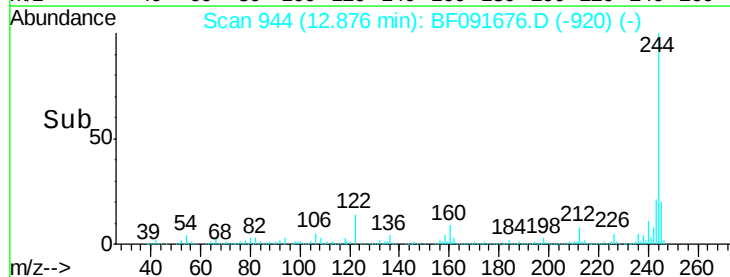
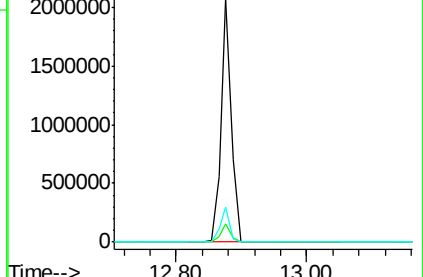
122 14.2 9.5 14.3

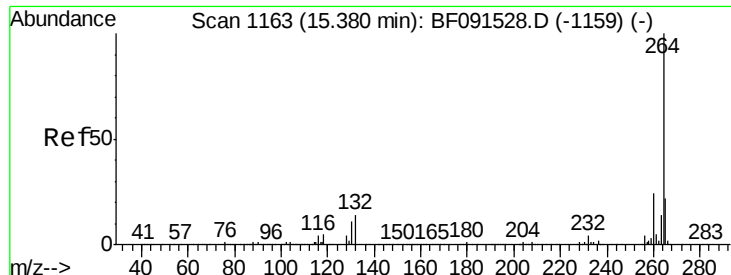


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

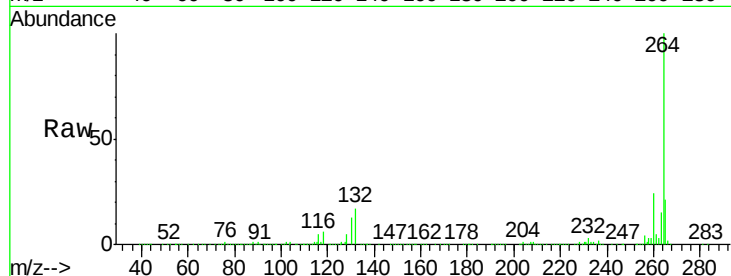




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.32 min Scan# 1158
Delta R.T. -0.02 min
Lab File: BF091676.D
Acq: 16 Dec 2016 16:52

Instrument :
BNA_F
ClientSampleId :
PB95365BL

Tgt Ion:	264	Resp:	711453
Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.8	28.2
265	21.3	17.0	25.6



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

