

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120916\
 Data File : BF091535.D
 Acq On : 9 Dec 2016 18:57
 Operator : UM/SJ
 Sample : PB95122BL
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB95122BL

Quant Time: Dec 09 22:11:02 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	6.81	152	430193	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	1861431	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	916309	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	1581284	20.00	ng	0.00
75) Chrysene-d12	13.96	240	1393347	20.00	ng	0.00
86) Perylene-d12	15.38	264	1190650	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	1906588	74.67	ng	0.01
7) Phenol-d6	6.45	99	2510878	78.88	ng	0.00
23) Nitrobenzene-d5	7.38	82	1852103	55.53	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	545452	71.67	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	2601781	49.06	ng	-0.01
78) Terphenyl-d14	12.92	244	2661849	43.35	ng	0.00

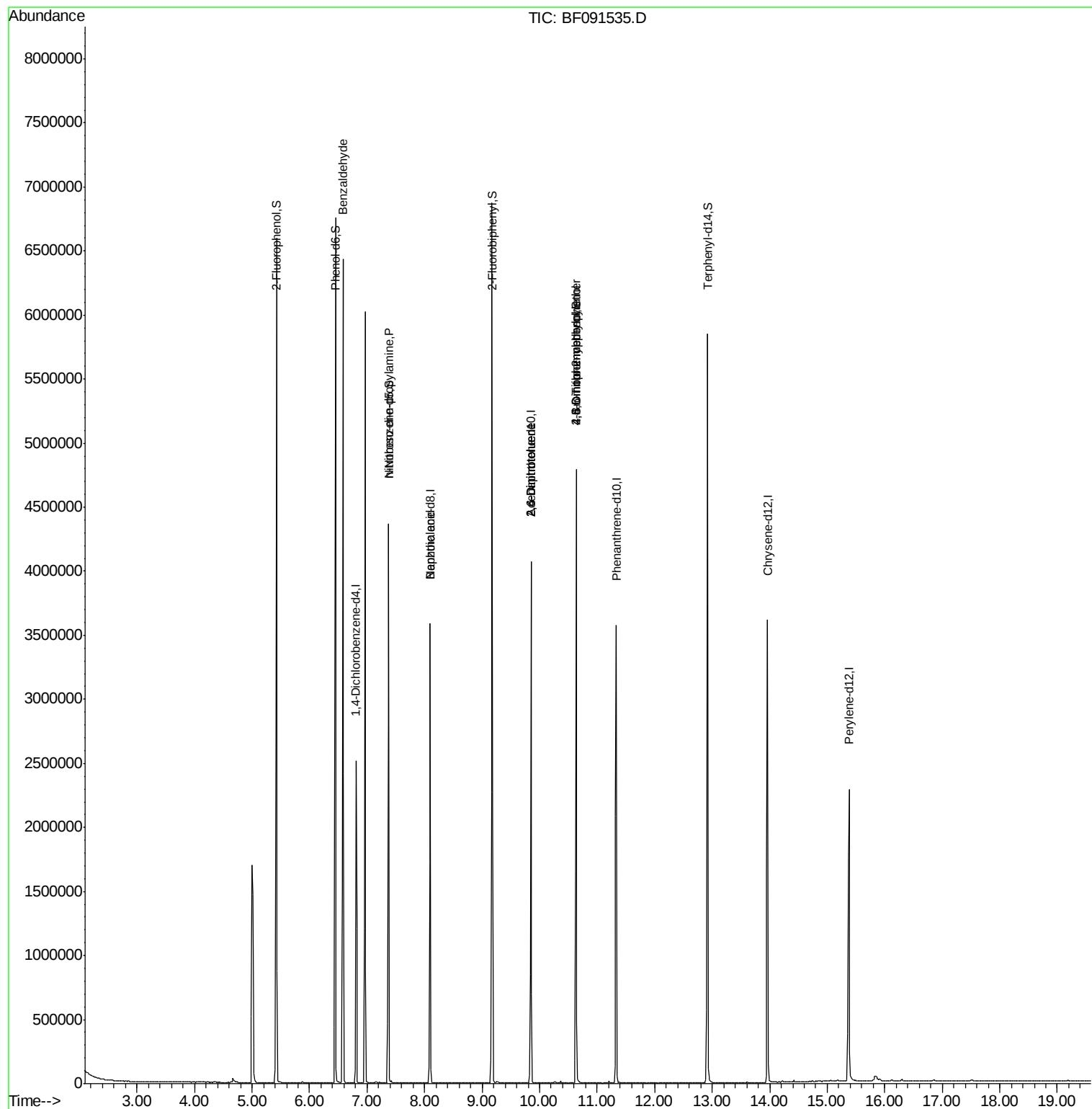
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.58	77	48898	2.23	ng	85
19) n-Nitroso-di-n-propylamine	7.38	70	252056	12.66	ng	# 62
20) 3+4-Methylphenols	6.97	107	240	Below Cal		# 1
32) Benzoic acid	8.10	122	344	4.91	ng	# 1
50) 2,6-Dinitrotoluene	9.85	165	121040	9.50	ng	# 17
56) 2,4-Dinitrotoluene	9.85	165	121046	7.58	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.64	198	1326	3.07	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	35699	2.20	ng	# 1

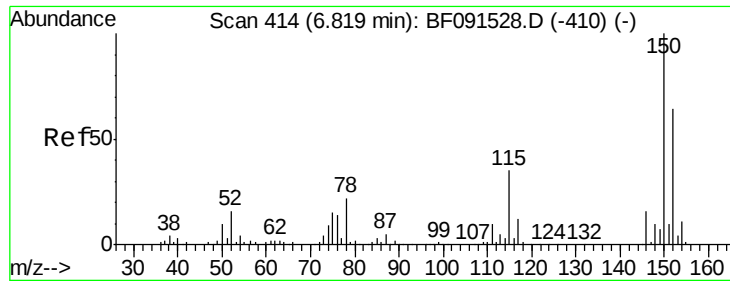
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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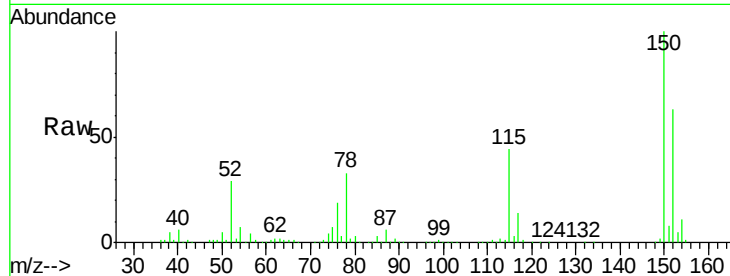


#1

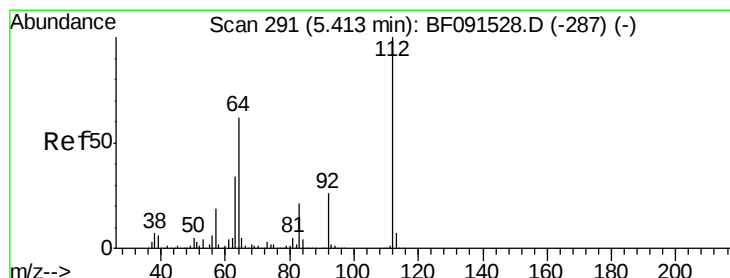
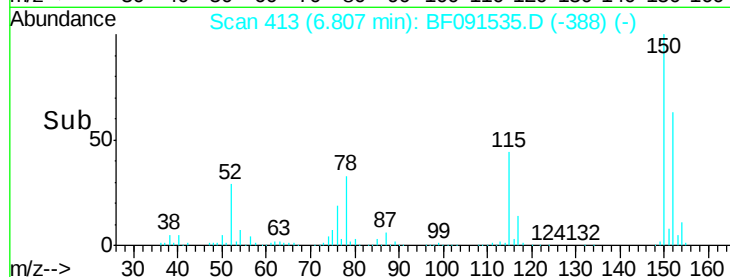
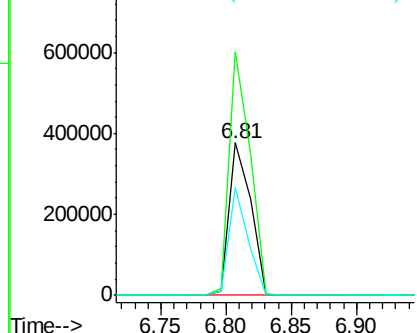
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.01 min
Lab File: BF091535.D
Acq: 9 Dec 2016 18:57

Instrument :
BNA_F
ClientSampleId :
PB95122BL

Tgt Ion:152 Resp: 430193
Ion Ratio Lower Upper
152 100
150 159.7 122.5 183.7
115 71.0 51.8 77.8



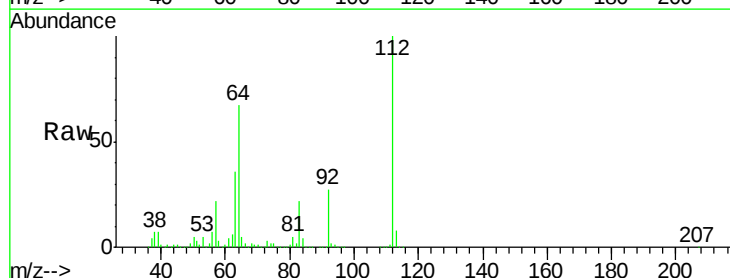
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



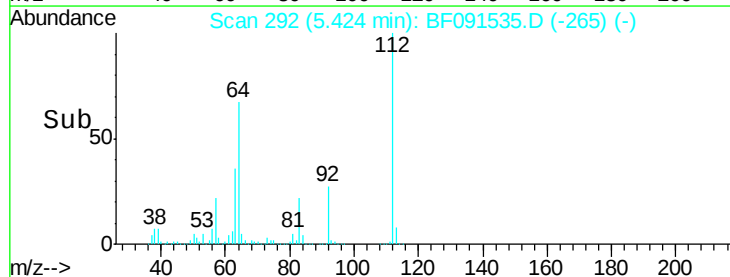
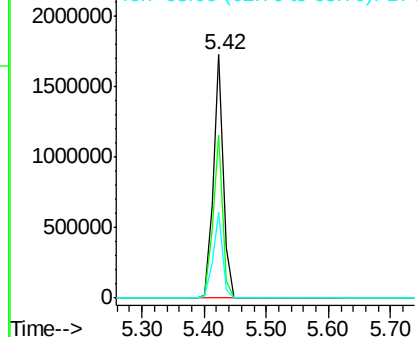
#5

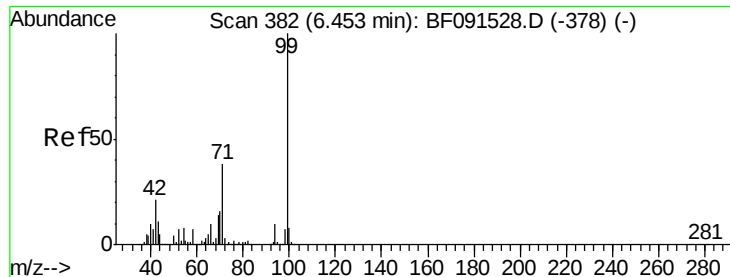
2-Fluorophenol
Concen: 74.67 ng
RT: 5.42 min Scan# 292
Delta R.T. 0.01 min
Lab File: BF091535.D
Acq: 9 Dec 2016 18:57

Tgt Ion:112 Resp: 1906588
Ion Ratio Lower Upper
112 100
64 66.8 61.5 92.3
63 35.5 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: 78.88 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.00 min

Lab File: BF091535.D

Acq: 9 Dec 2016 18:57

Instrument :

BNA_F

ClientSampleId :

PB95122BL

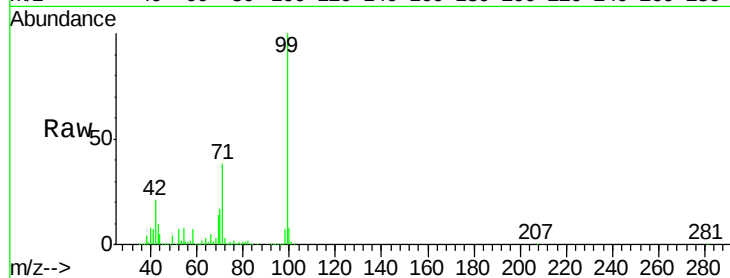
Tgt Ion: 99 Resp: 2510878

Ion Ratio Lower Upper

99 100

42 20.7 20.6 31.0

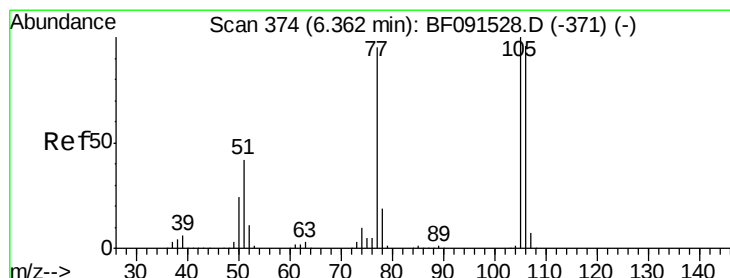
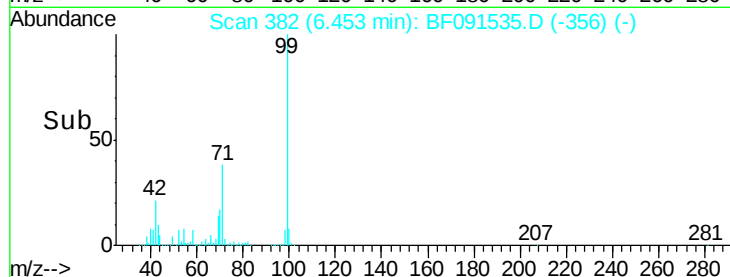
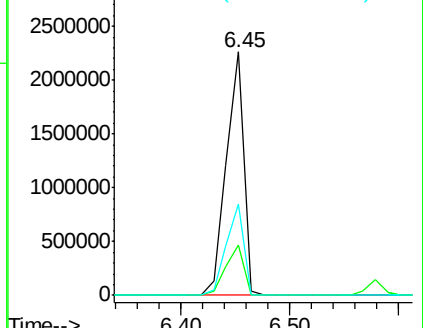
71 37.5 29.9 44.9



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



#9

Benzaldehyde

Concen: 2.23 ng

RT: 6.58 min Scan# 393

Delta R.T. 0.22 min

Lab File: BF091535.D

Acq: 9 Dec 2016 18:57

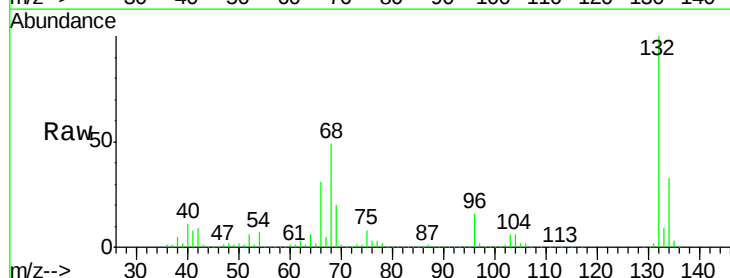
Tgt Ion: 77 Resp: 48898

Ion Ratio Lower Upper

77 100

105 77.1 66.4 106.4

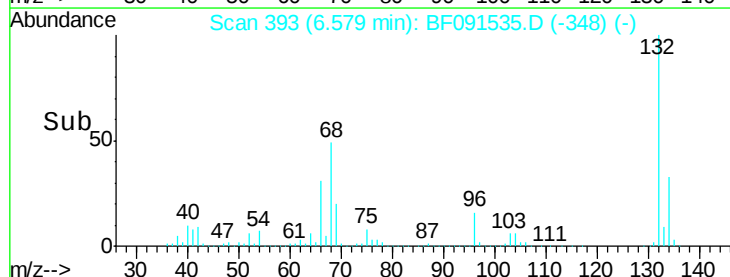
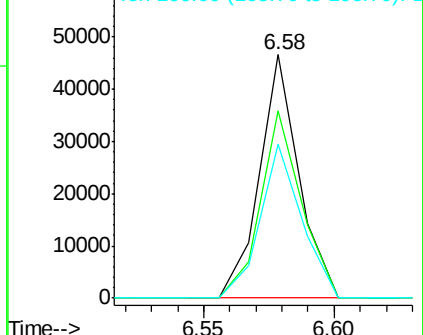
106 63.4 60.9 100.9

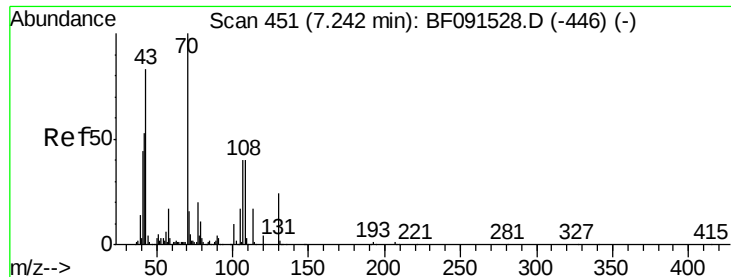


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

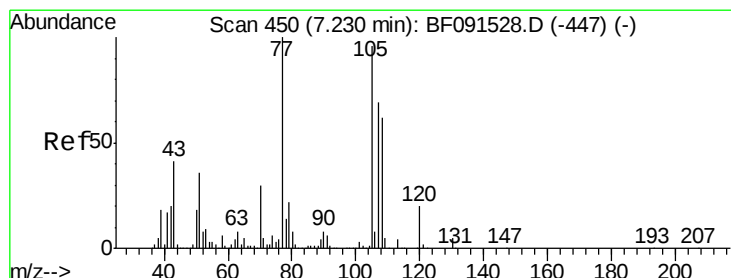
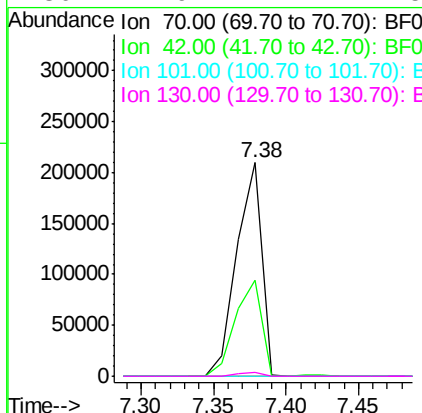
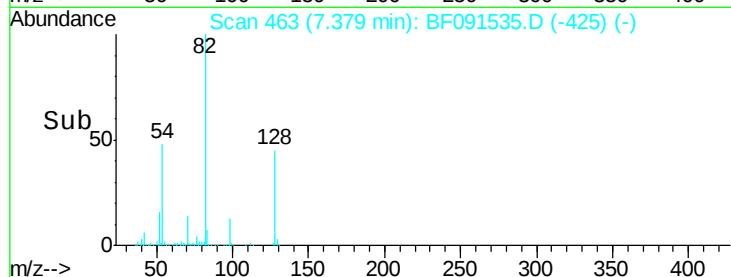
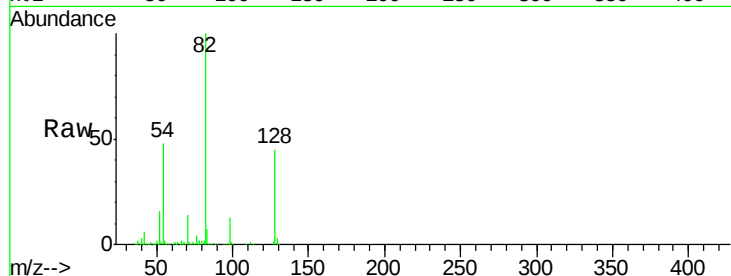




#19
n-Nitroso-di-n-propylamine
Concen: 12.66 ng
RT: 7.38 min Scan# 463
Delta R.T. 0.14 min
Lab File: BF091535.D
Acq: 9 Dec 2016 18:57

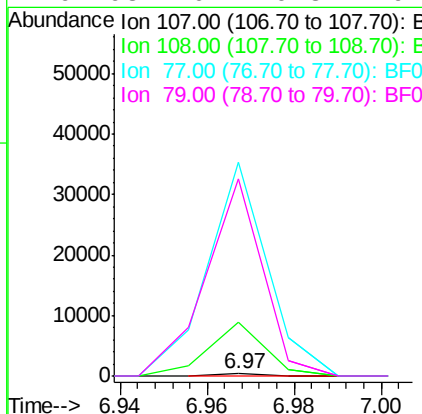
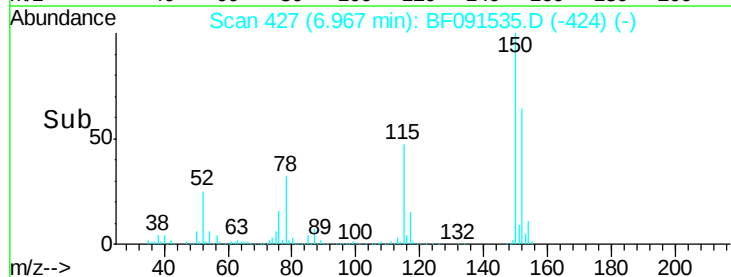
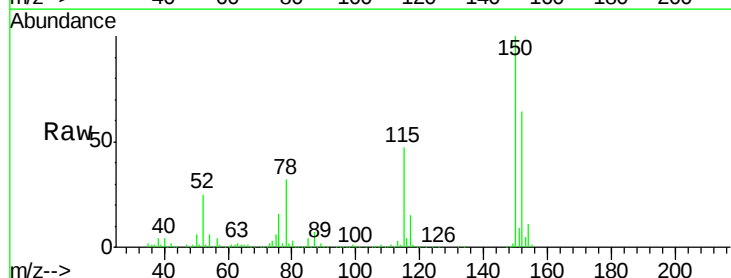
Instrument :
BNA_F
ClientSampleId :
PB95122BL

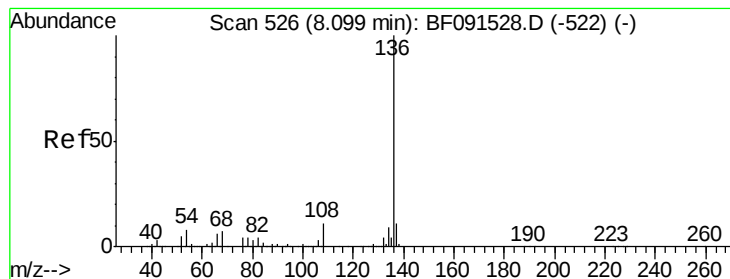
Tgt Ion: 70 Resp: 252056
Ion Ratio Lower Upper
70 100
42 45.0 64.8 97.2#
101 0.0 6.2 9.4#
130 1.9 11.7 17.5#



#20
3+4-Methylphenols
Concen: Below Cal
RT: 6.97 min Scan# 427
Delta R.T. -0.26 min
Lab File: BF091535.D
Acq: 9 Dec 2016 18:57

Tgt Ion:107 Resp: 240
Ion Ratio Lower Upper
107 100
108 2545.4 64.6 104.6#
77 10089.1 30.9 70.9#
79 9312.0 9.3 49.3#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 526

Delta R.T. -0.00 min

Lab File: BF091535.D

Acq: 9 Dec 2016 18:57

Instrument :

BNA_F

ClientSampleId :

PB95122BL

Tgt Ion:136 Resp: 1861431

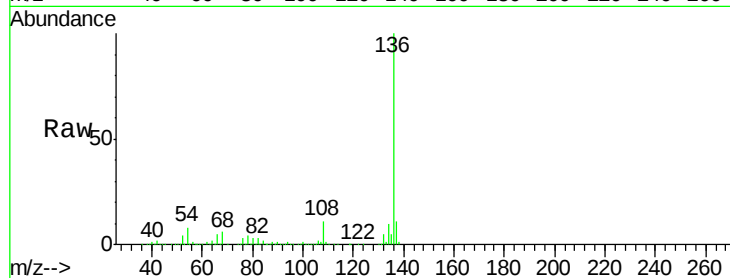
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 7.5 9.1 13.7#

68 5.7 5.9 8.9#

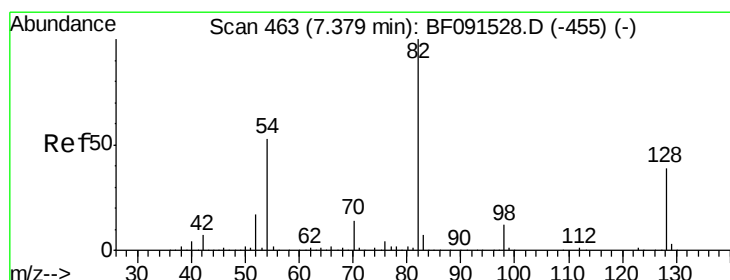
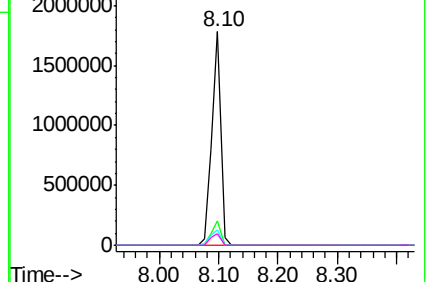
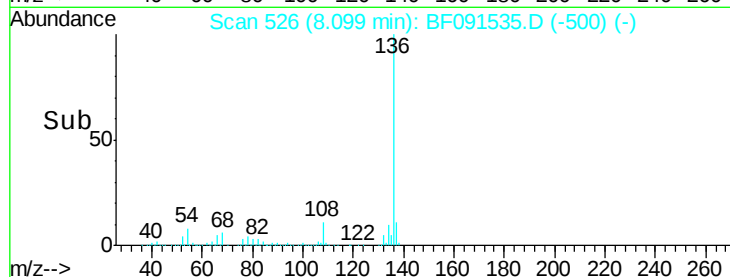


Abundance Ion 136.00 (135.70 to 136.70): E

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: 55.53 ng

RT: 7.38 min Scan# 463

Delta R.T. -0.00 min

Lab File: BF091535.D

Acq: 9 Dec 2016 18:57

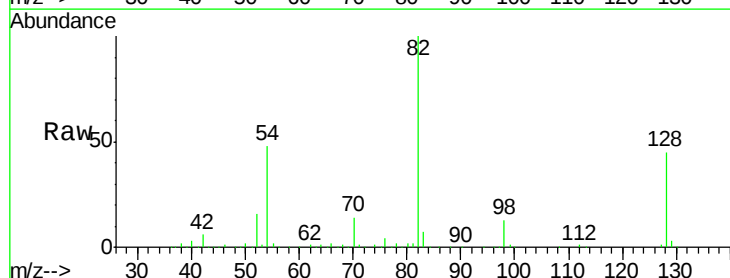
Tgt Ion: 82 Resp: 1852103

Ion Ratio Lower Upper

82 100

128 45.2 31.8 47.6

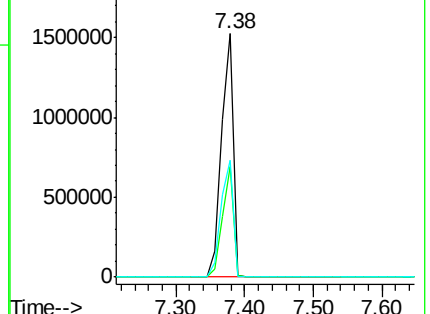
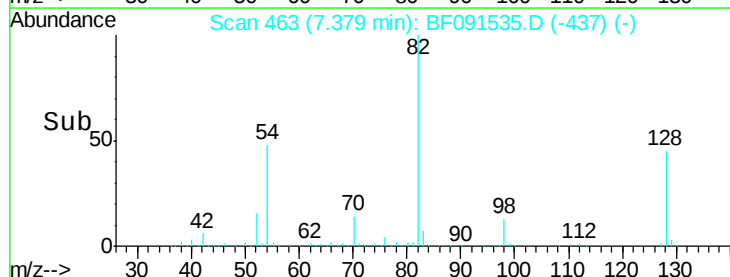
54 48.2 49.1 73.7#

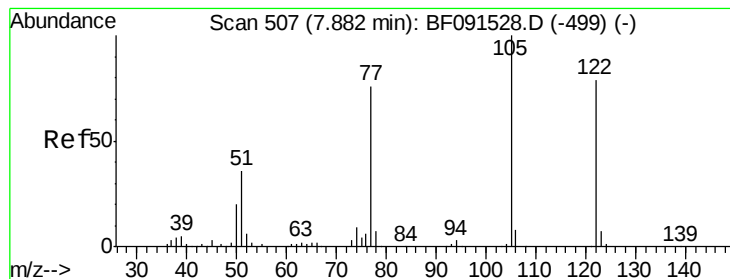


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#32

Benzoic acid

Concen: 4.91 ng

RT: 8.10 min Scan# 526

Delta R.T. 0.22 min

Lab File: BF091535.D

Acq: 9 Dec 2016 18:57

Instrument :

BNA_F

ClientSampleId :

PB95122BL

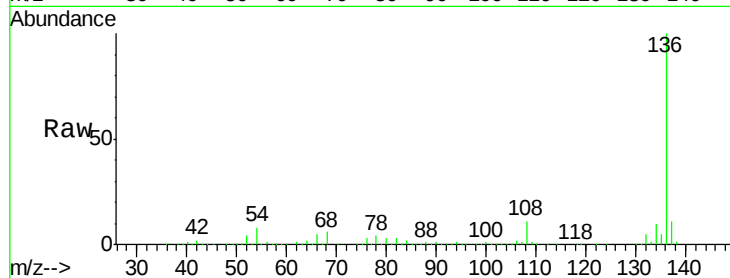
Tgt Ion:122 Resp: 344

Ion Ratio Lower Upper

122 100

105 302.0 113.0 153.0#

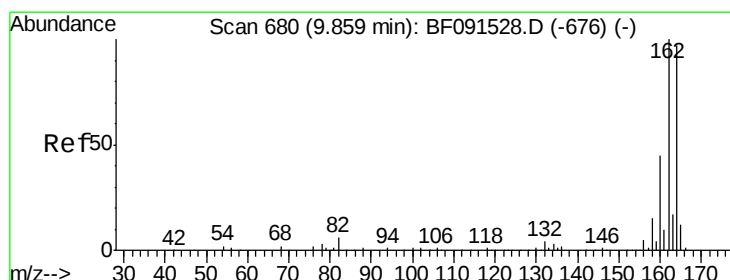
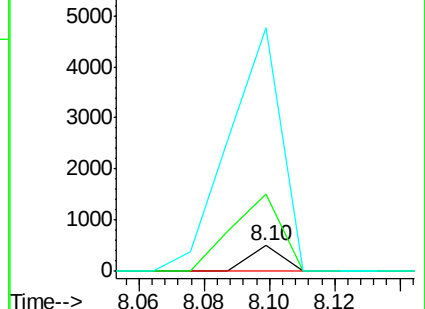
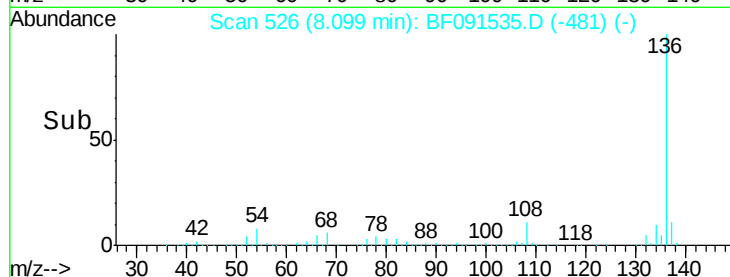
77 950.5 82.0 122.0#



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: 9.85 min Scan# 679

Delta R.T. -0.01 min

Lab File: BF091535.D

Acq: 9 Dec 2016 18:57

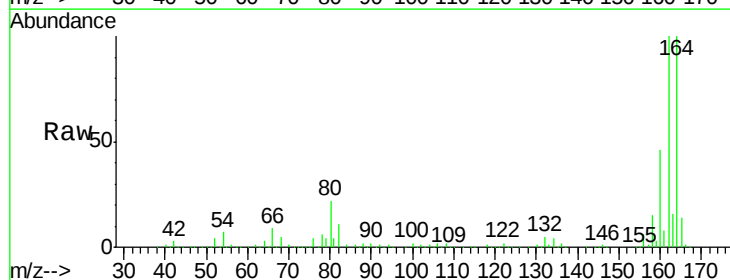
Tgt Ion:164 Resp: 916309

Ion Ratio Lower Upper

164 100

162 100.1 82.6 124.0

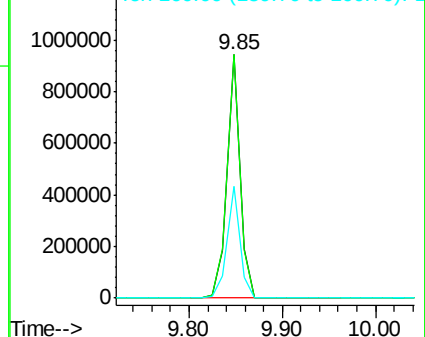
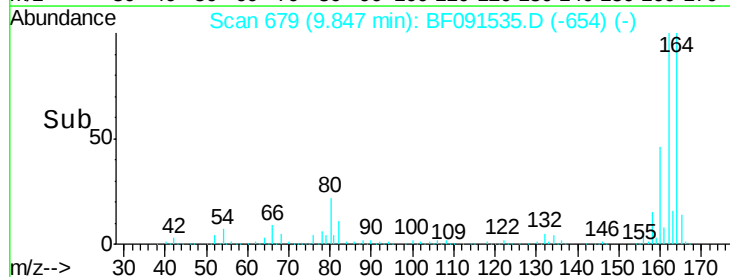
160 45.8 36.7 55.1

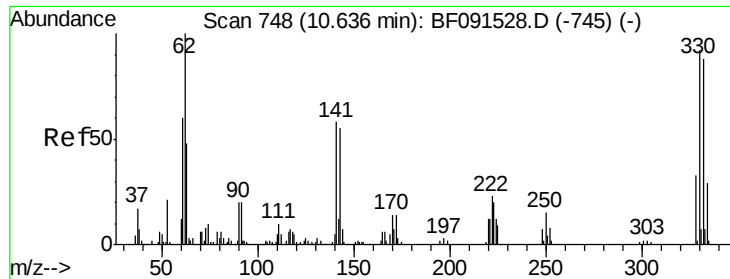


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

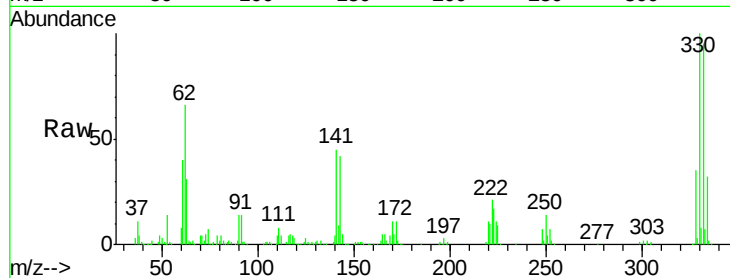




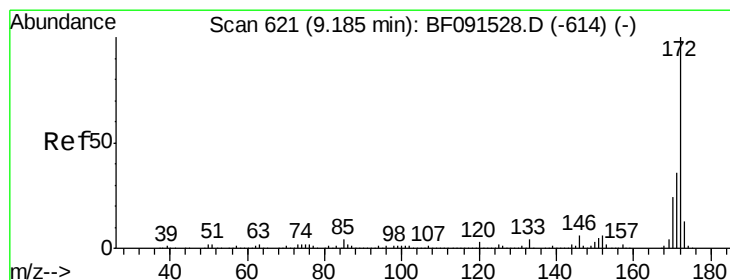
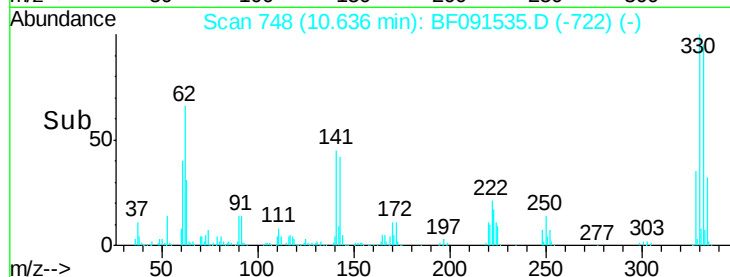
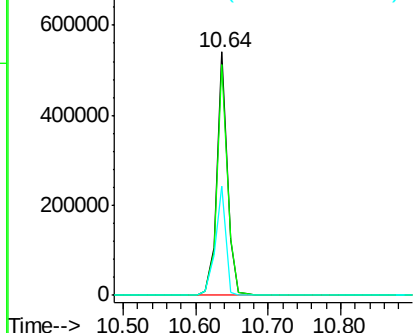
#41
 2,4,6-Tribromophenol
 Concen: 71.67 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.00 min
 Lab File: BF091535.D
 Acq: 9 Dec 2016 18:57

Instrument :
 BNA_F
 ClientSampleId :
 PB95122BL

Tgt Ion:330 Resp: 545452
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.2 114.4
 141 44.5 33.6 50.4

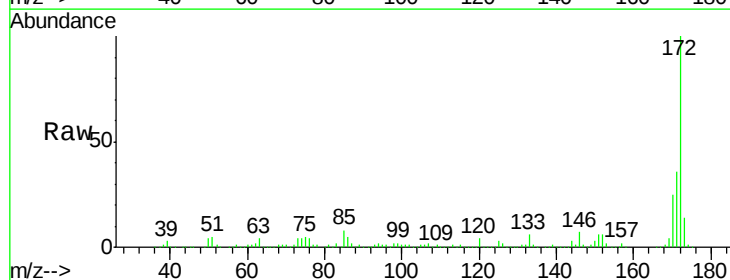


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

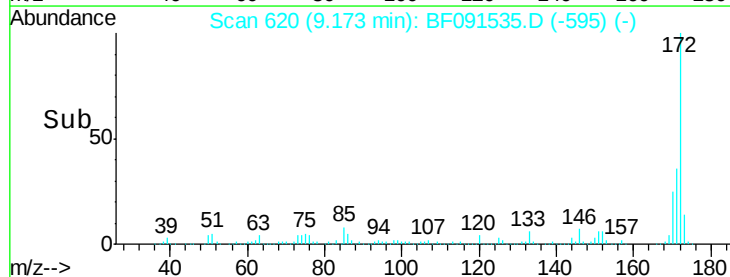
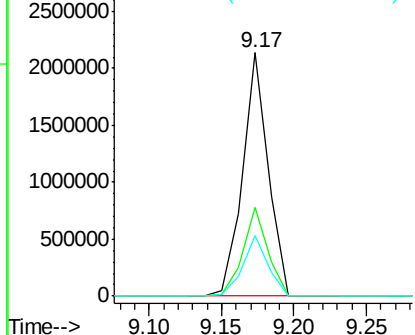


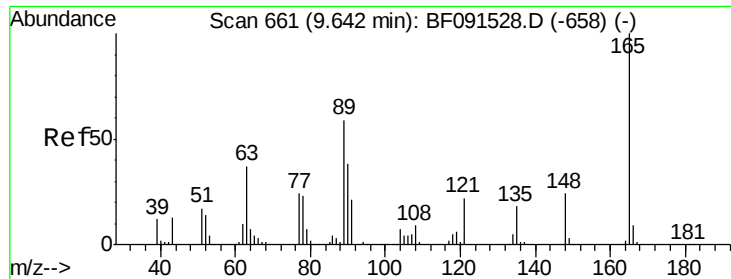
#44
 2-Fluorobiphenyl
 Concen: 49.06 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.01 min
 Lab File: BF091535.D
 Acq: 9 Dec 2016 18:57

Tgt Ion:172 Resp: 2601781
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.4 44.0
 170 24.8 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

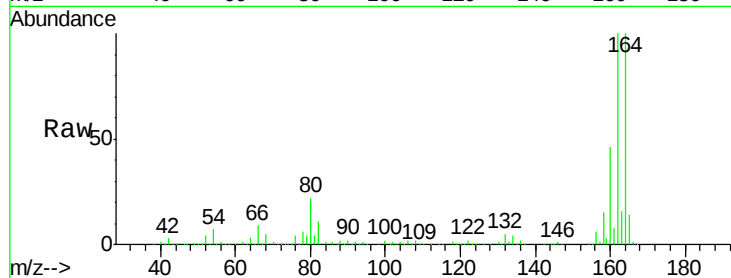




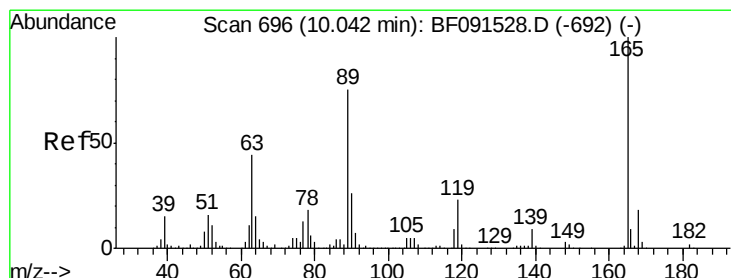
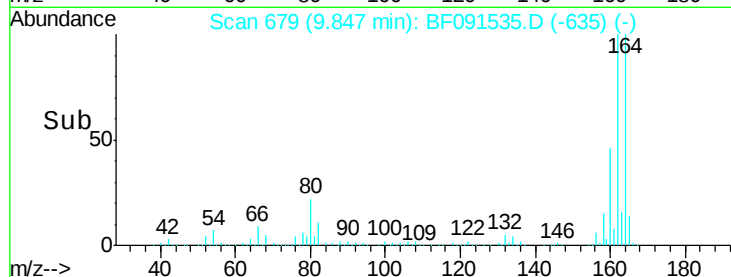
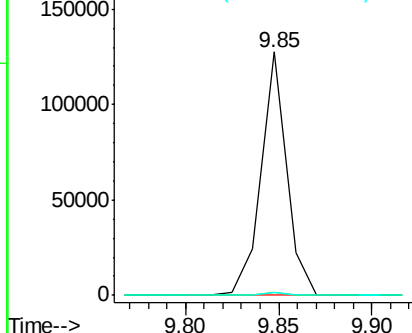
#50
 2,6-Dinitrotoluene
 Concen: 9.50 ng
 RT: 9.85 min Scan# 679
 Delta R.T. 0.21 min
 Lab File: BF091535.D
 Acq: 9 Dec 2016 18:57

Instrument :
 BNA_F
 ClientSampleId :
 PB95122BL

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	59.4	89.0#
89	1.2	50.8	76.2#



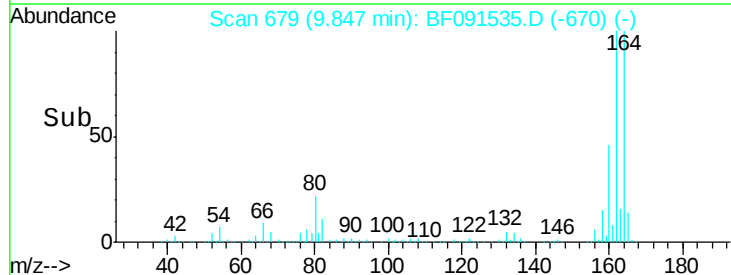
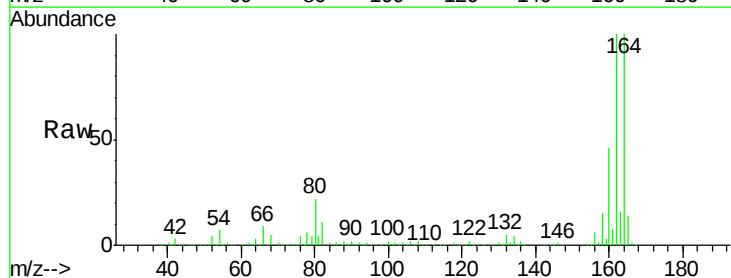
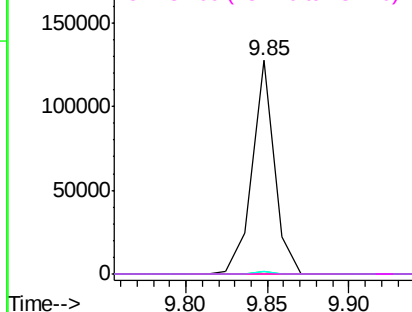
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

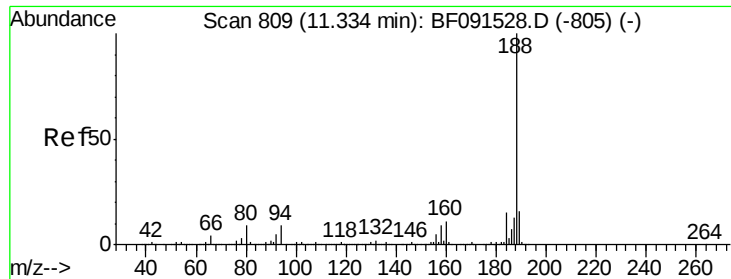


#56
 2,4-Dinitrotoluene
 Concen: 7.58 ng
 RT: 9.85 min Scan# 679
 Delta R.T. -0.19 min
 Lab File: BF091535.D
 Acq: 9 Dec 2016 18:57

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	29.0	43.4#
89	1.2	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

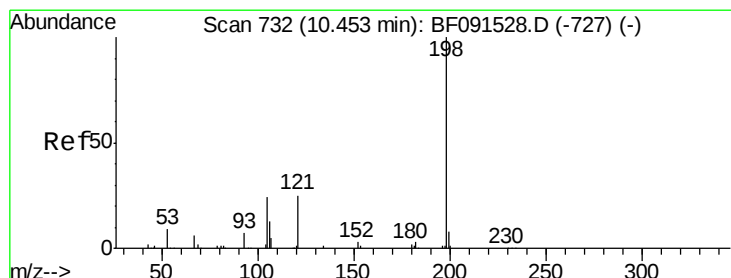
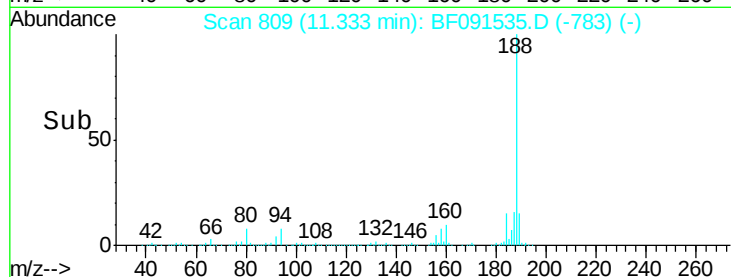
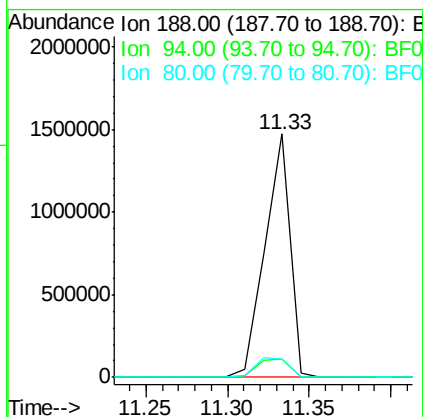
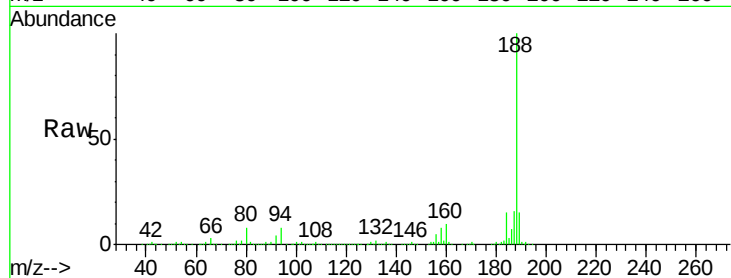




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.00 min
Lab File: BF091535.D
Acq: 9 Dec 2016 18:57

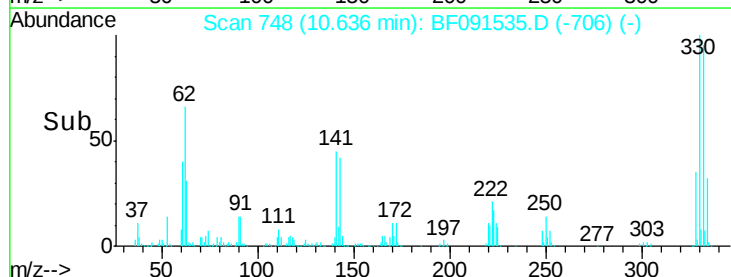
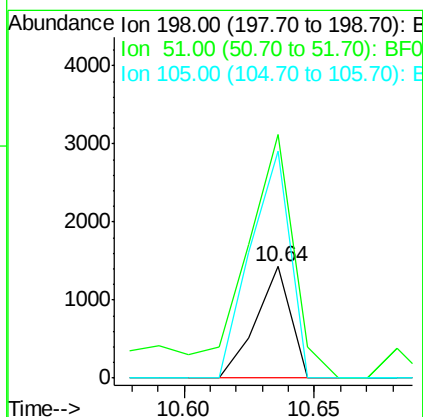
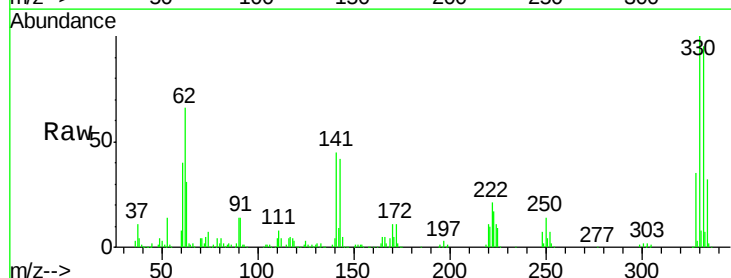
Instrument :
BNA_F
ClientSampleId :
PB95122BL

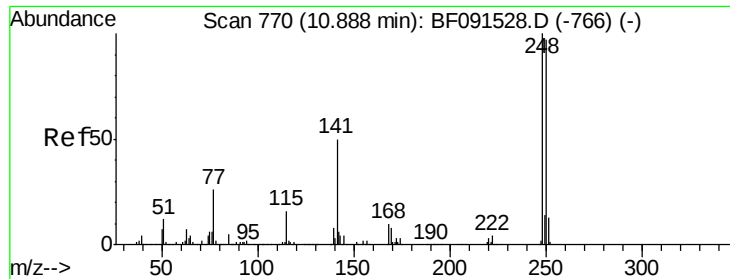
Tgt Ion:188 Resp: 1581284
Ion Ratio Lower Upper
188 100
94 7.5 9.2 13.8#
80 7.7 10.5 15.7#



#64
4,6-Dinitro-2-methylphenol
Concen: 3.07 ng
RT: 10.64 min Scan# 748
Delta R.T. 0.18 min
Lab File: BF091535.D
Acq: 9 Dec 2016 18:57

Tgt Ion:198 Resp: 1326
Ion Ratio Lower Upper
198 100
51 218.6 77.1 117.1#
105 203.9 44.8 84.8#

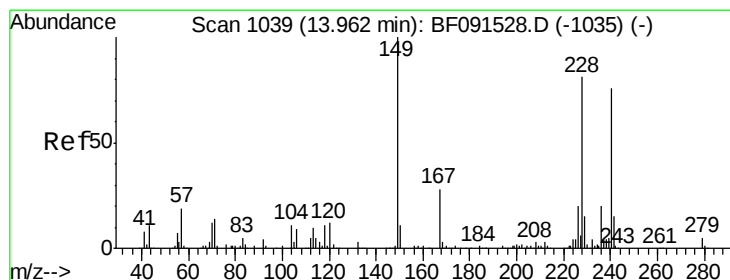
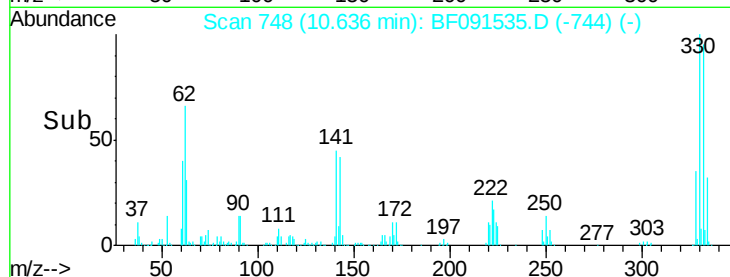
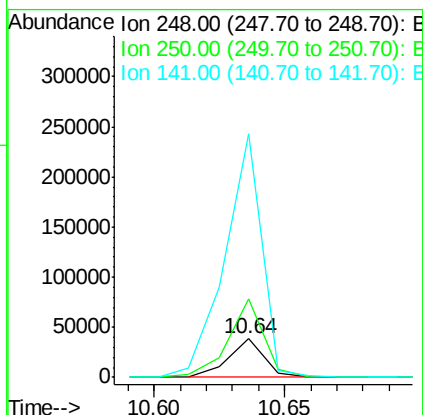
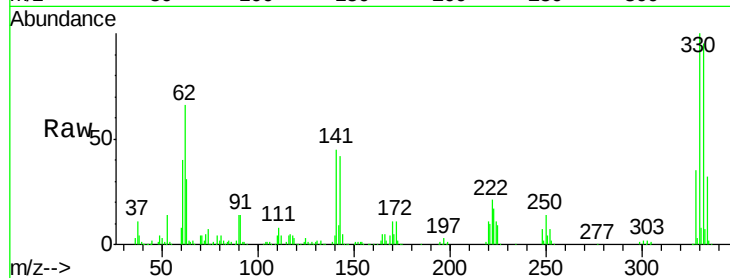




#66
4-Bromophenyl-phenylether
Concen: 2.20 ng
RT: 10.64 min Scan# 748
Delta R.T. -0.25 min
Lab File: BF091535.D
Acq: 9 Dec 2016 18:57

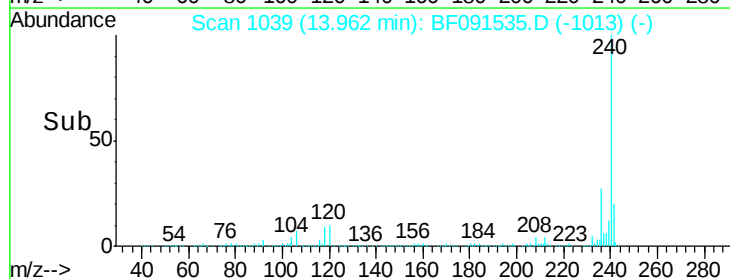
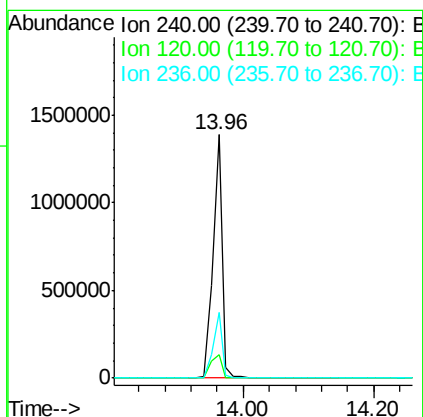
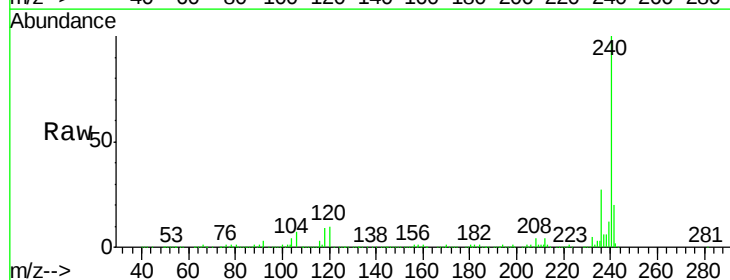
Instrument :
BNA_F
ClientSampleId :
PB95122BL

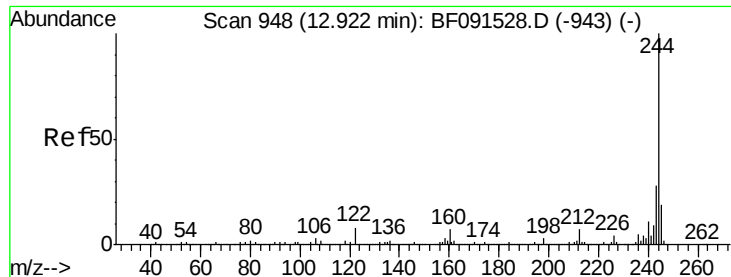
Tgt Ion:248 Resp: 35699
Ion Ratio Lower Upper
248 100
250 203.5 78.2 117.4#
141 635.0 71.9 107.9#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.96 min Scan# 1039
Delta R.T. -0.00 min
Lab File: BF091535.D
Acq: 9 Dec 2016 18:57

Tgt Ion:240 Resp: 1393347
Ion Ratio Lower Upper
240 100
120 9.8 12.1 18.1#
236 26.9 21.0 31.6

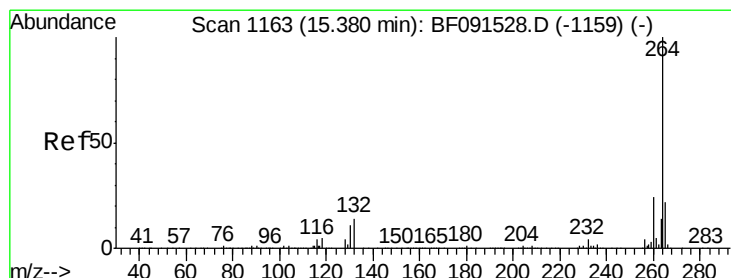
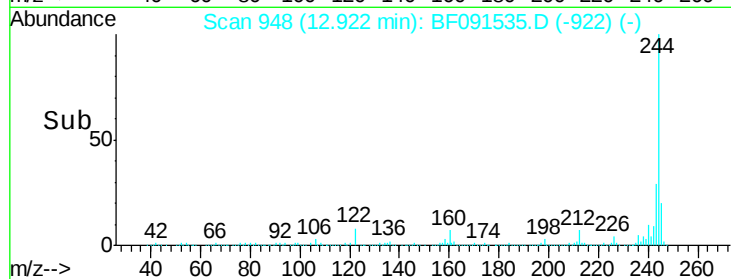
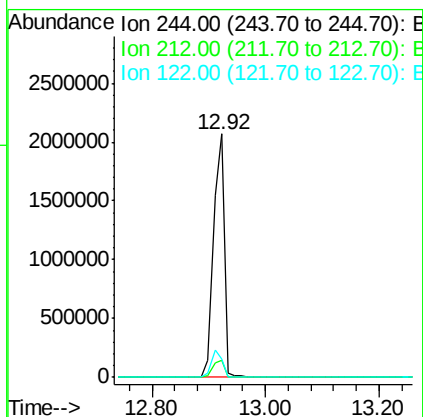
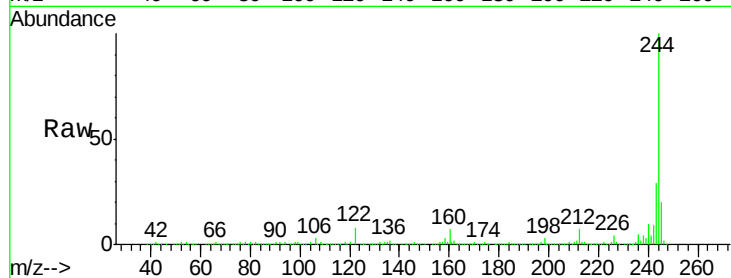




#78
 Terphenyl-d14
 Concen: 43.35 ng
 RT: 12.92 min Scan# 948
 Delta R.T. -0.00 min
 Lab File: BF091535.D
 Acq: 9 Dec 2016 18:57

Instrument :
 BNA_F
 ClientSampleId :
 PB95122BL

Tgt Ion:244 Resp: 2661849
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 7.7 9.5 14.3#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.38 min Scan# 1163
 Delta R.T. -0.00 min
 Lab File: BF091535.D
 Acq: 9 Dec 2016 18:57

Tgt Ion:264 Resp: 1190650
 Ion Ratio Lower Upper
 264 100
 260 24.6 18.8 28.2
 265 22.3 17.0 25.6

