

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122316\
 Data File : BF091945.D
 Acq On : 24 Dec 2016 2:25
 Operator : UM/SJ
 Sample : PB95595TB
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB95595TB

Quant Time: Dec 24 03:06:26 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

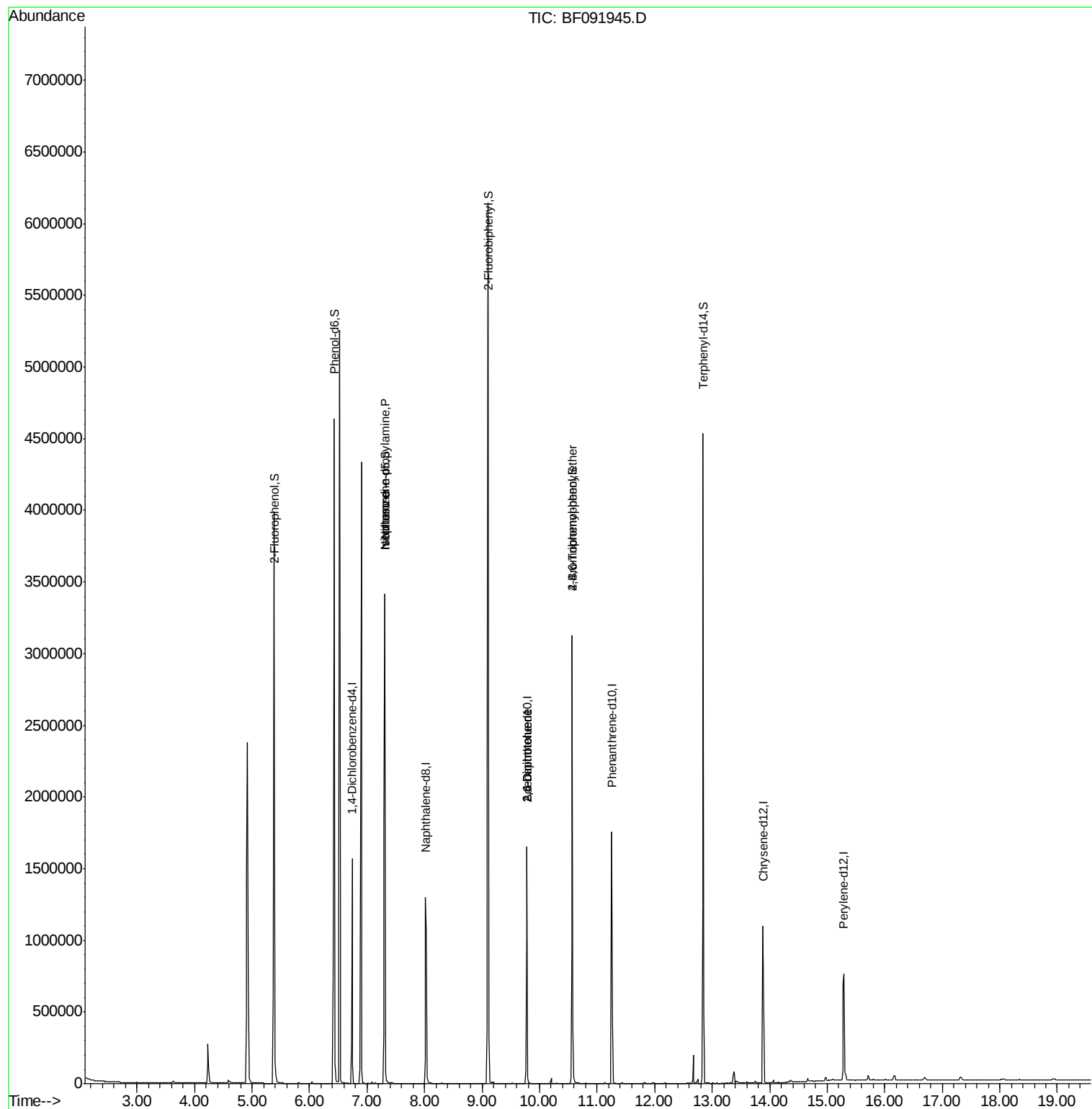
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	228335	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	907549	20.00	ng	-0.02
38) Acenaphthene-d10	9.78	164	463889	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	662272	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	440626	20.00	ng	-0.02
86) Perylene-d12	15.29	264	423246	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1633937	119.48	ng	0.05
7) Phenol-d6	6.43	99	2154131	129.02	ng	0.02
23) Nitrobenzene-d5	7.31	82	1383423	84.76	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	365654	95.25	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	2030931	90.54	ng	-0.01
78) Terphenyl-d14	12.84	244	1415689	77.92	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.31	70	186020	16.75	ng	# 76
25) Isophorone	7.31	82	1299417	43.15	ng	# 65
50) 2,6-Dinitrotoluene	9.78	165	59792	9.21	ng	# 30
56) 2,4-Dinitrotoluene	9.78	165	59792	7.34	ng	# 19
66) 4-Bromophenyl-phenylether	10.57	248	24770	3.60	ng	# 1
71) Anthracene	11.28	178	208	Below Cal	#	59
73) Di-n-butylphthalate	11.82	149	2829	Below Cal	#	76
74) Fluoranthene	12.46	202	259	Below Cal	#	61
76) Benzidine	12.61	184	2349	Below Cal	#	65

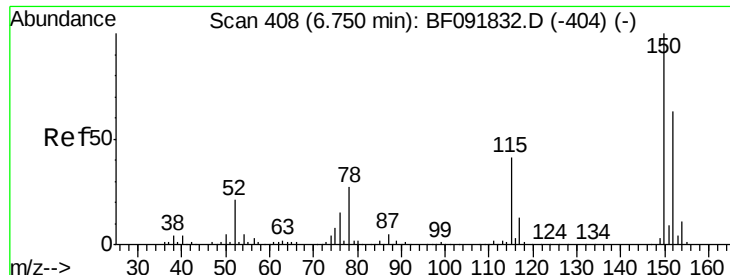
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 21 16:17:51 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.01 min

Lab File: BF091945.D

Acq: 24 Dec 2016 2:25

Instrument :

BNA_F

ClientSampleId :

PB95595TB

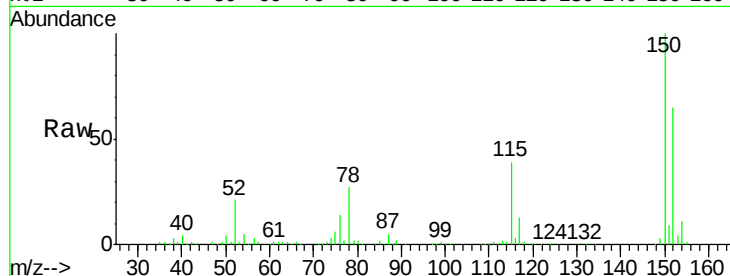
Tgt Ion:152 Resp: 228335

Ion Ratio Lower Upper

152 100

150 154.8 124.9 187.3

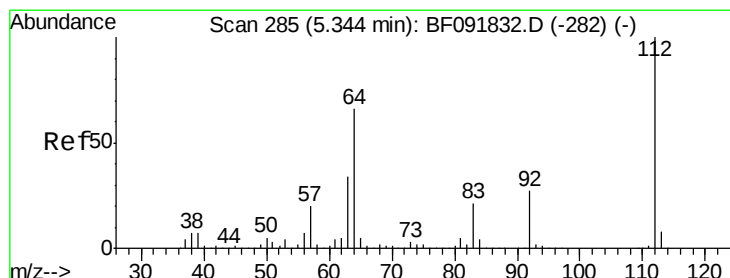
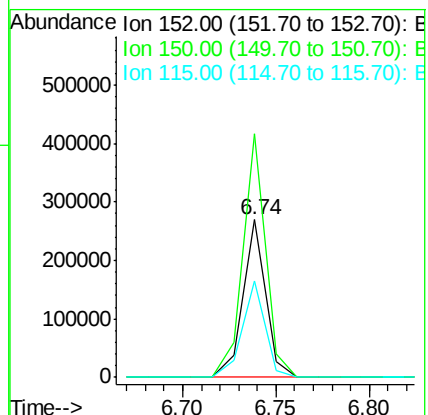
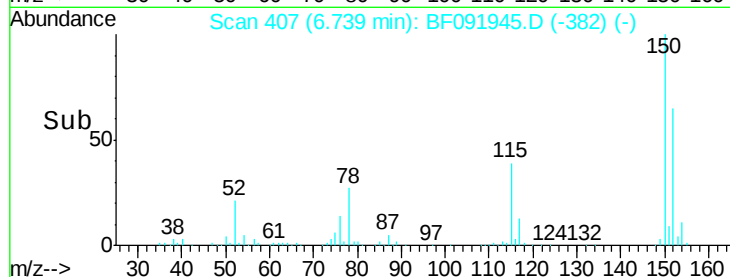
115 61.1 46.0 69.0



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: 119.48 ng

RT: 5.39 min Scan# 289

Delta R.T. 0.05 min

Lab File: BF091945.D

Acq: 24 Dec 2016 2:25

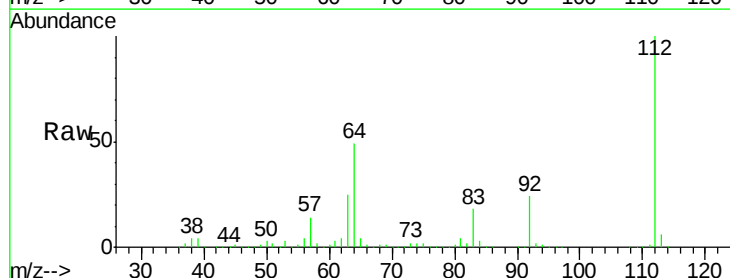
Tgt Ion:112 Resp: 1633937

Ion Ratio Lower Upper

112 100

64 49.1 46.1 69.1

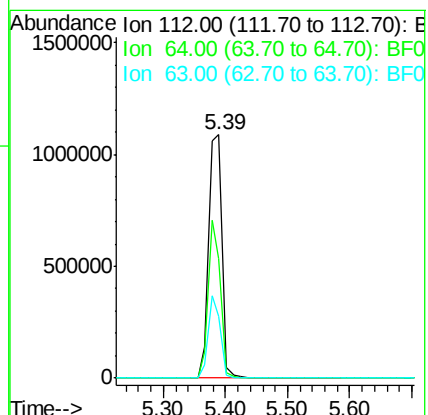
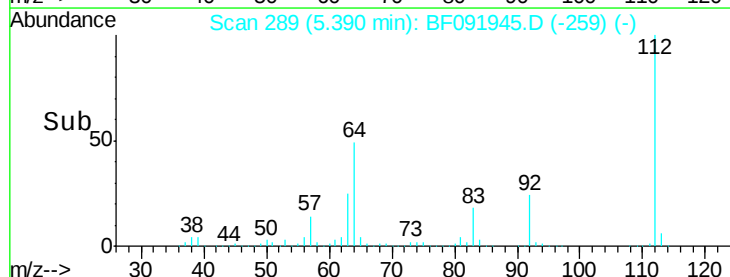
63 25.4 23.8 35.6

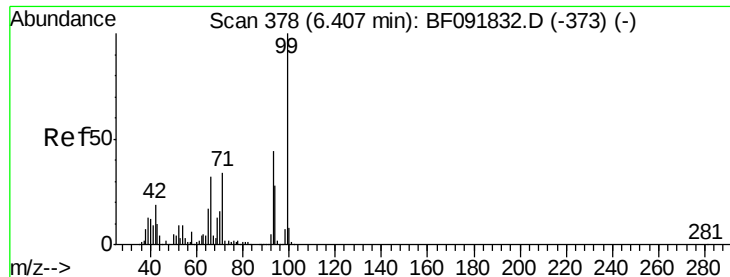


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 129.02 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.02 min

Lab File: BF091945.D

Acq: 24 Dec 2016 2:25

Instrument :

BNA_F

ClientSampleId :

PB95595TB

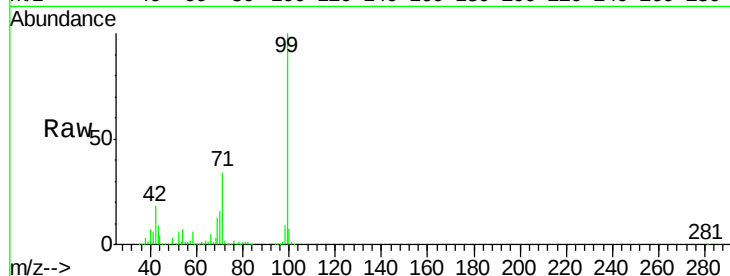
Tgt Ion: 99 Resp: 2154131

Ion Ratio Lower Upper

99 100

42 17.6 15.6 23.4

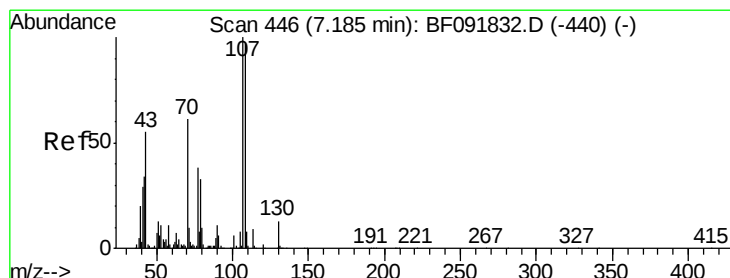
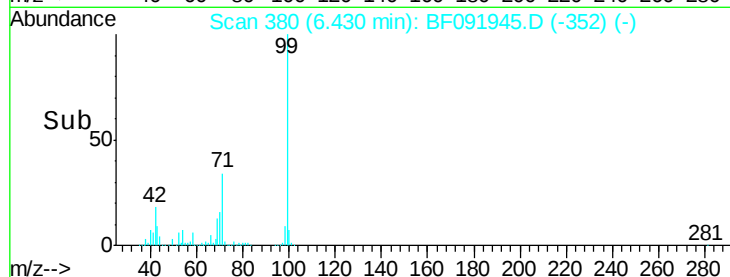
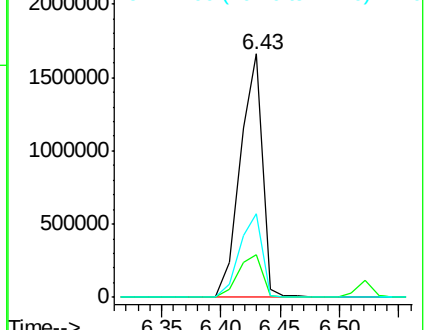
71 34.3 27.5 41.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.75 ng

RT: 7.31 min Scan# 457

Delta R.T. 0.13 min

Lab File: BF091945.D

Acq: 24 Dec 2016 2:25

Tgt Ion: 70 Resp: 186020

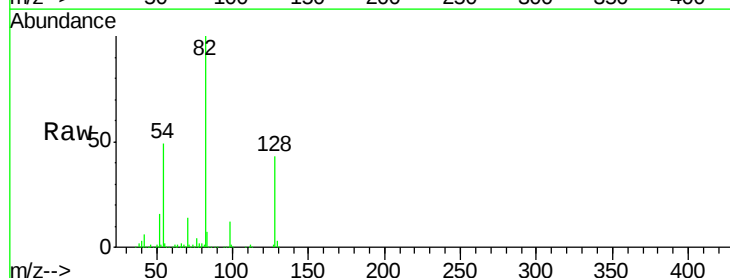
Ion Ratio Lower Upper

70 100

42 45.7 49.4 74.0#

101 0.0 7.4 11.2#

130 2.0 14.2 21.4#

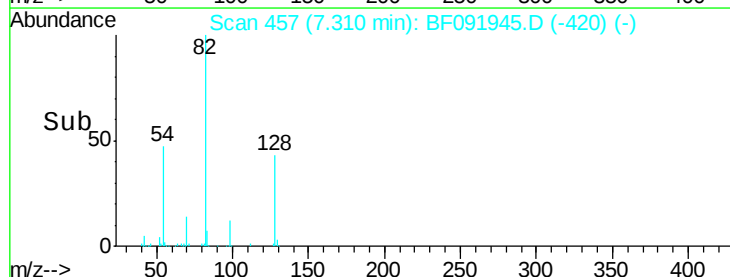
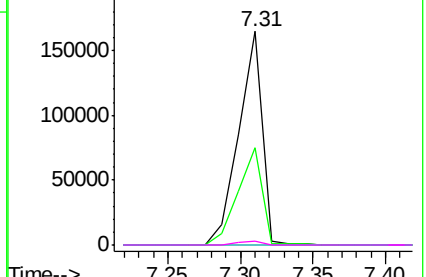


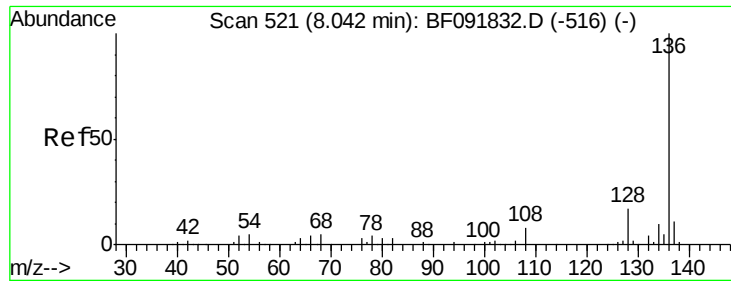
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

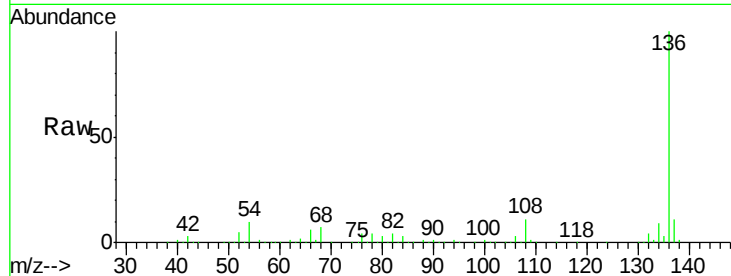




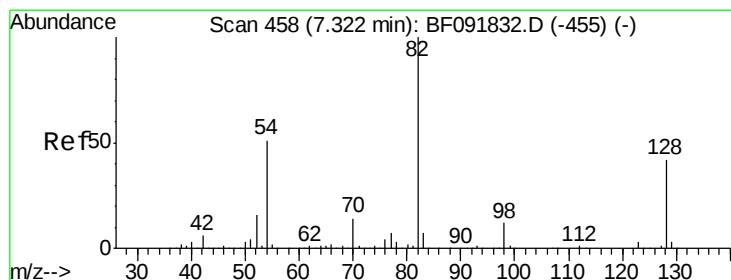
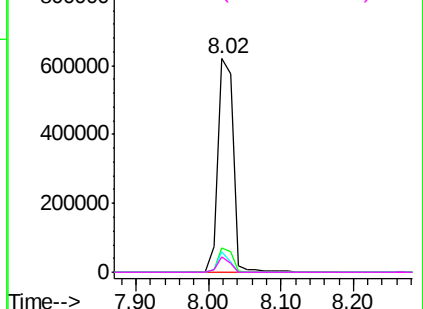
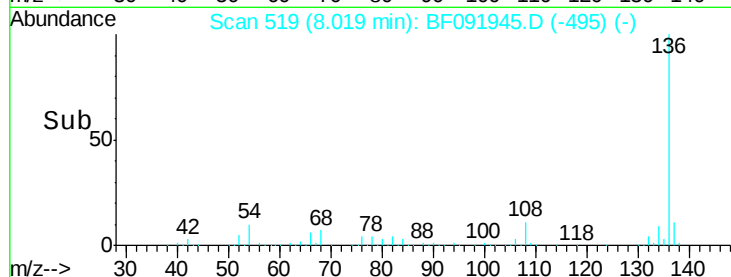
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 519
Delta R.T. -0.02 min
Lab File: BF091945.D
Acq: 24 Dec 2016 2:25

Instrument :
BNA_F
ClientSampleId :
PB95595TB

Tgt Ion:	136	Resp:	907549
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.4	12.6
54	9.8	4.5	6.7#
68	7.2	3.6	5.4#

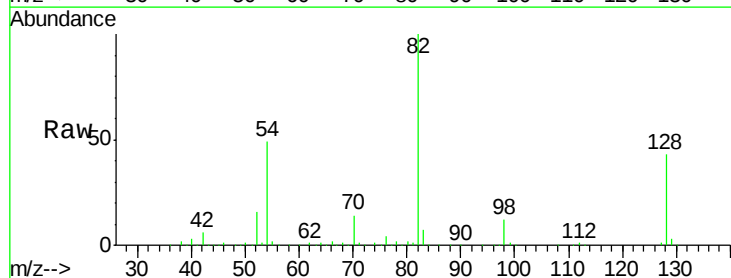


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

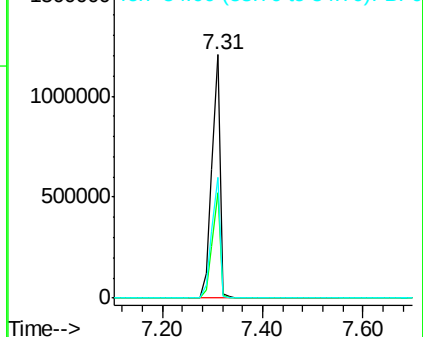
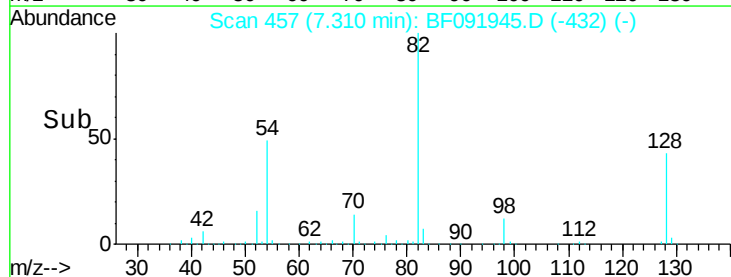


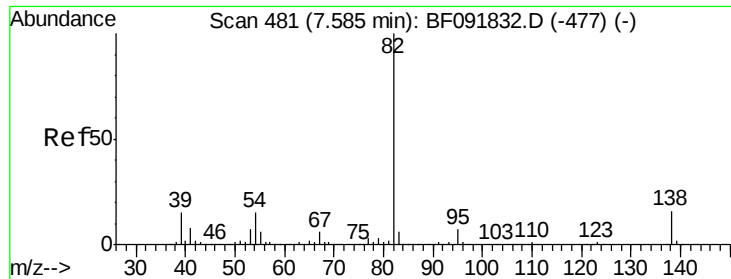
#23
Nitrobenzene-d5
Concen: 84.76 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.01 min
Lab File: BF091945.D
Acq: 24 Dec 2016 2:25

Tgt Ion:	82	Resp:	1383423
Ion	Ratio	Lower	Upper
82	100		
128	43.4	34.6	52.0
54	49.4	39.5	59.3



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





#25

Isophorone

Concen: 43.15 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.27 min

Lab File: BF091945.D

Acq: 24 Dec 2016 2:25

Instrument :

BNA_F

ClientSampleId :

PB95595TB

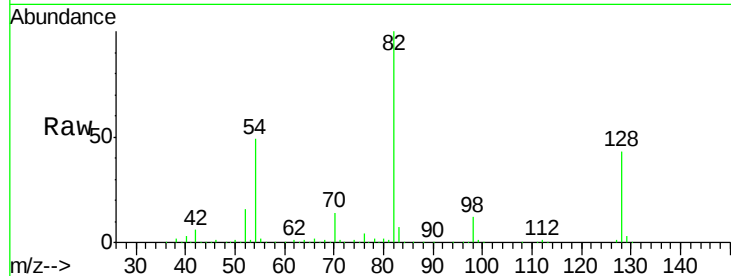
Tgt Ion: 82 Resp: 1299417

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

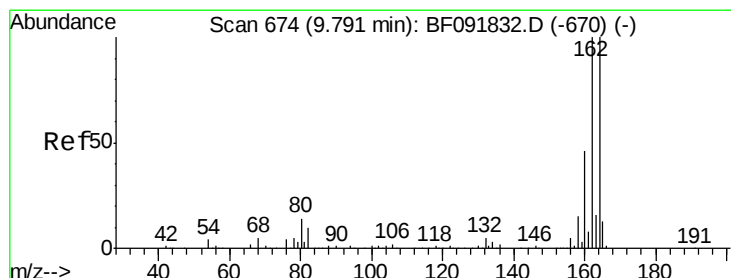
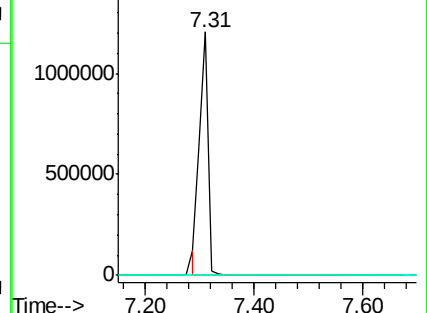
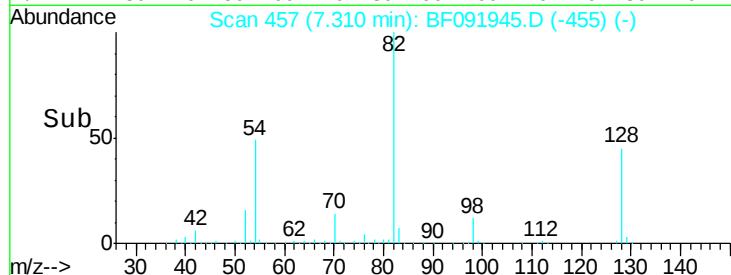
138 0.0 14.6 22.0#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.01 min

Lab File: BF091945.D

Acq: 24 Dec 2016 2:25

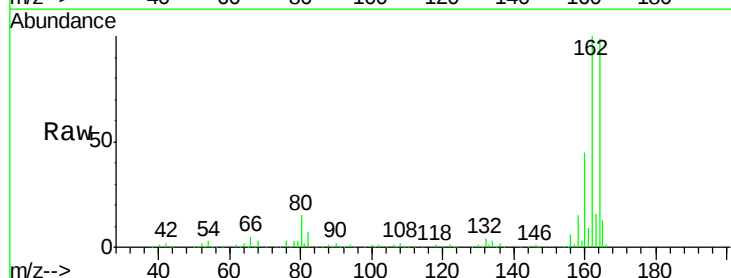
Tgt Ion: 164 Resp: 463889

Ion Ratio Lower Upper

164 100

162 101.3 80.2 120.2

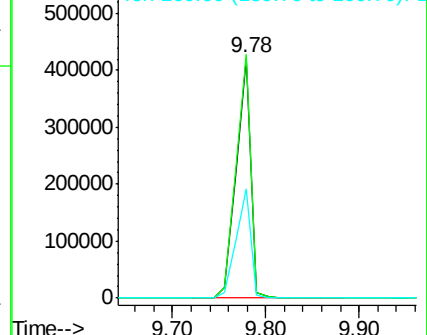
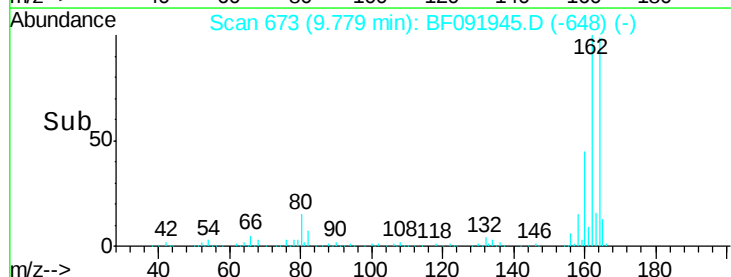
160 45.4 36.9 55.3

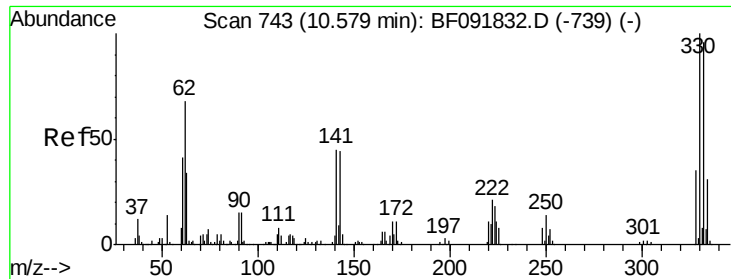


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

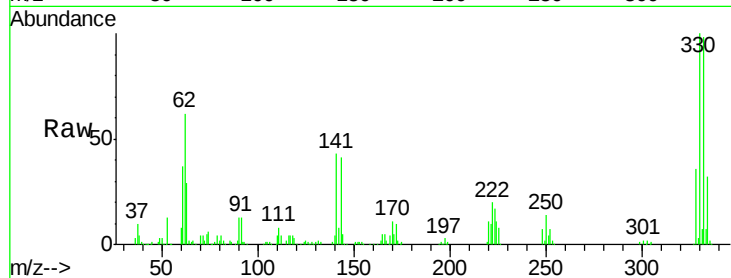




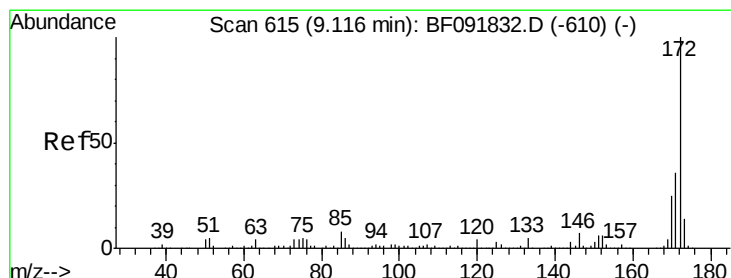
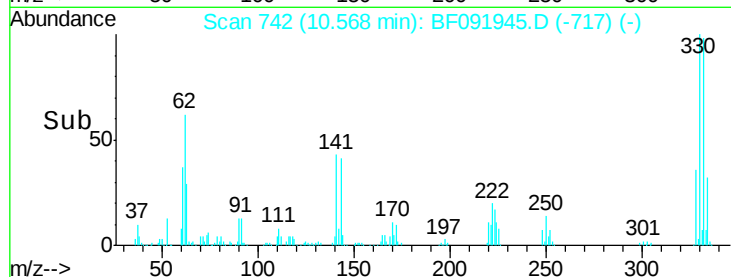
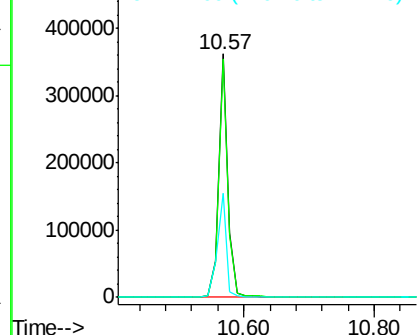
#41
 2,4,6-Tribromophenol
 Concen: 95.25 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.01 min
 Lab File: BF091945.D
 Acq: 24 Dec 2016 2:25

Instrument :
 BNA_F
 ClientSampleId :
 PB95595TB

Tgt Ion:330 Resp: 365654
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.4 116.2
 141 41.6 34.1 51.1

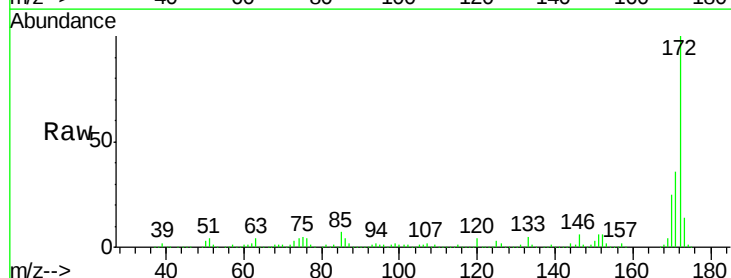


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

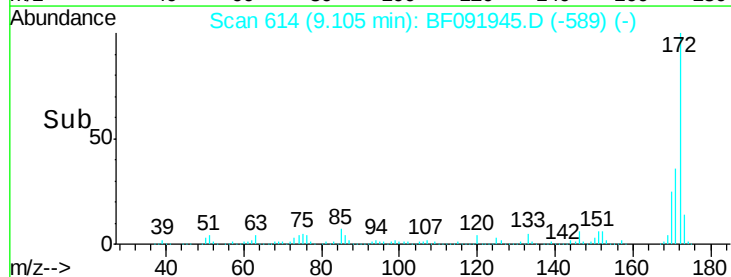
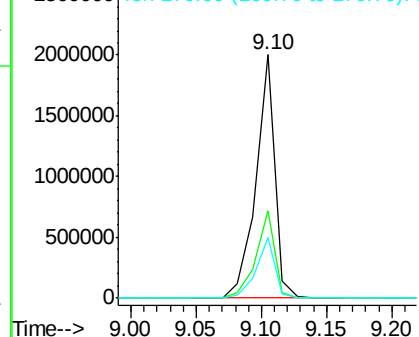


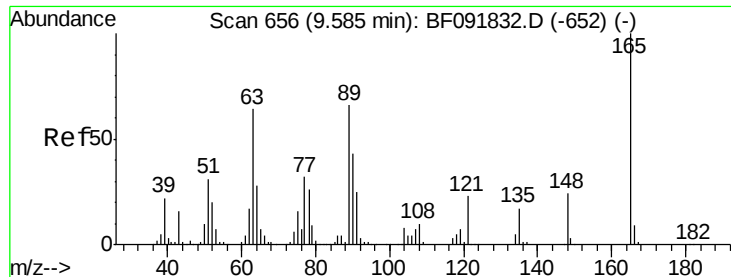
#44
 2-Fluorobiphenyl
 Concen: 90.54 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.01 min
 Lab File: BF091945.D
 Acq: 24 Dec 2016 2:25

Tgt Ion:172 Resp: 2030931
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.4 44.0
 170 24.8 20.2 30.4



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





#50

2,6-Dinitrotoluene

Concen: 9.21 ng

RT: 9.78 min Scan# 673

Delta R.T. 0.19 min

Lab File: BF091945.D

Acq: 24 Dec 2016 2:25

Instrument :

BNA_F

ClientSampleId :

PB95595TB

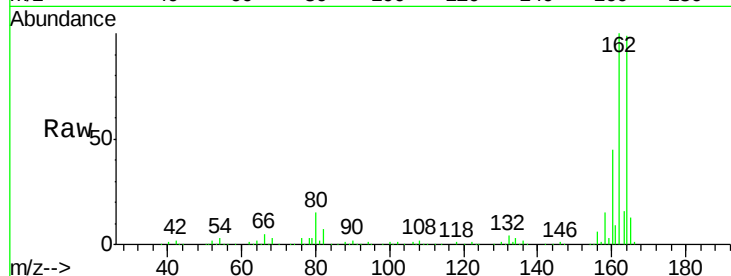
Tgt Ion:165 Resp: 59792

Ion Ratio Lower Upper

165 100

63 0.8 36.2 54.4#

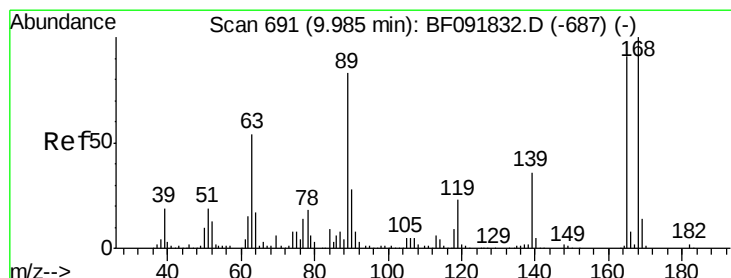
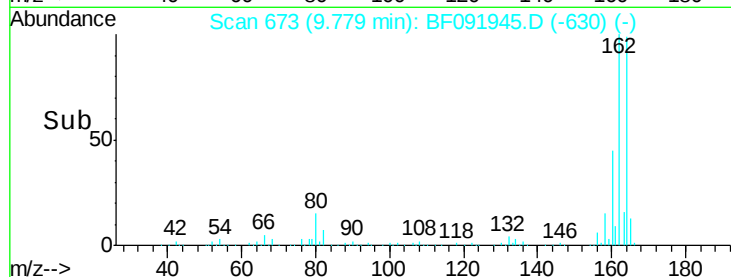
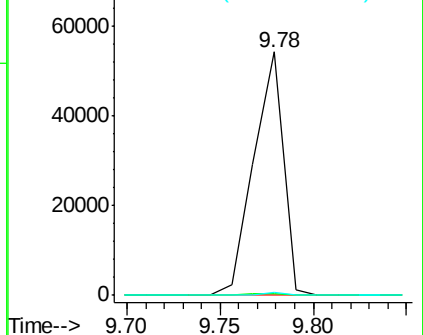
89 1.0 40.2 60.4#



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: 7.34 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.21 min

Lab File: BF091945.D

Acq: 24 Dec 2016 2:25

Tgt Ion:165 Resp: 59792

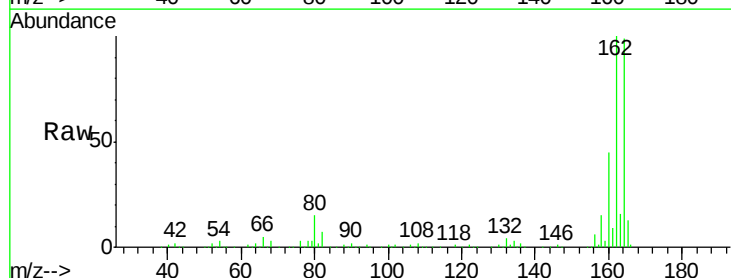
Ion Ratio Lower Upper

165 100

63 0.8 40.2 60.4#

89 1.0 62.5 93.7#

182 0.0 1.8 2.8#

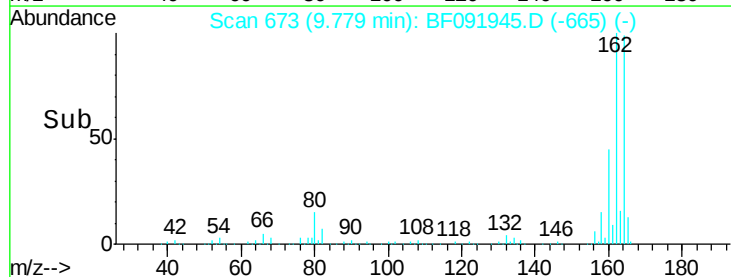
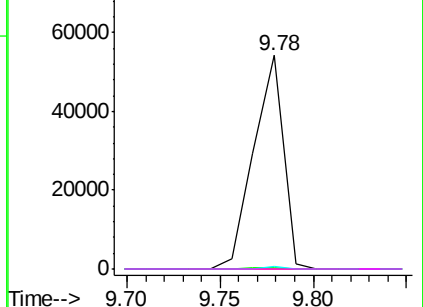


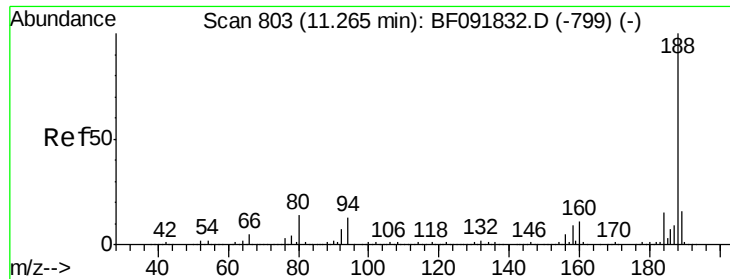
Abundance Ion 165.00 (164.70 to 165.70): E

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

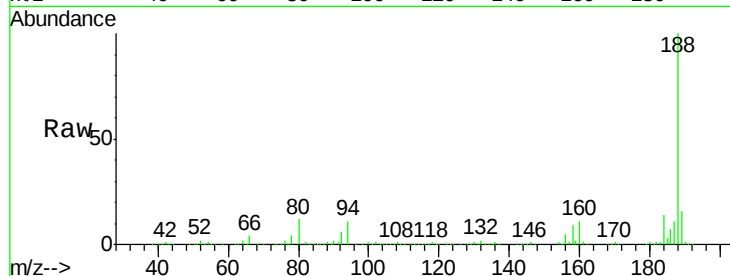




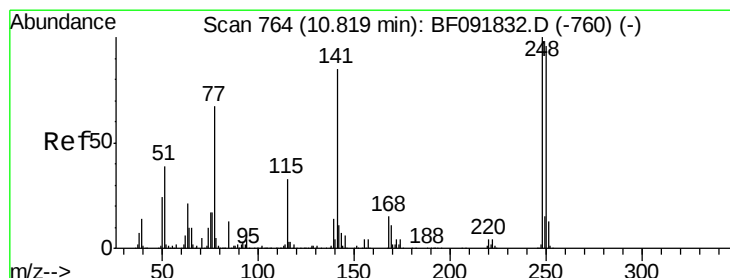
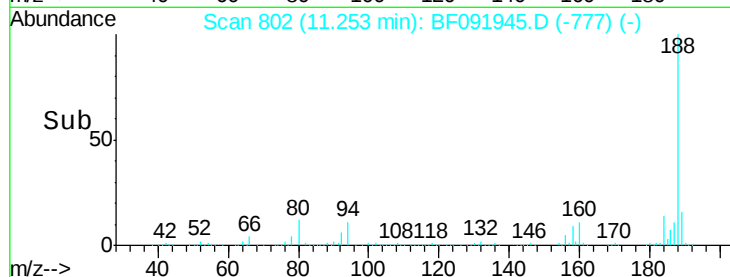
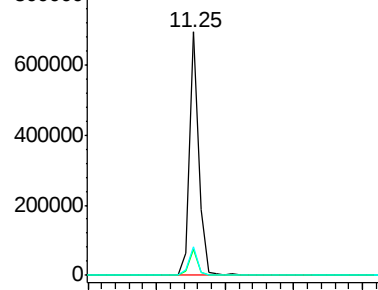
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF091945.D
Acq: 24 Dec 2016 2:25

Instrument :
BNA_F
ClientSampleId :
PB95595TB

Tgt Ion:188 Resp: 662272
Ion Ratio Lower Upper
188 100
94 10.8 10.0 15.0
80 11.7 11.2 16.8

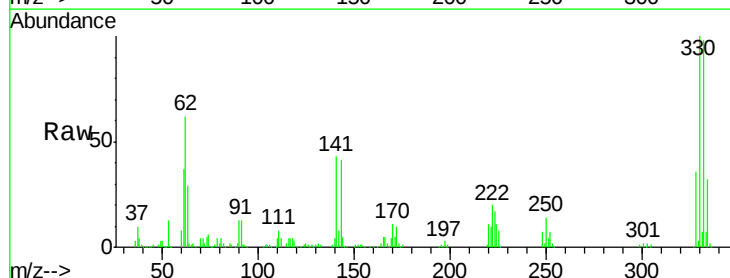


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

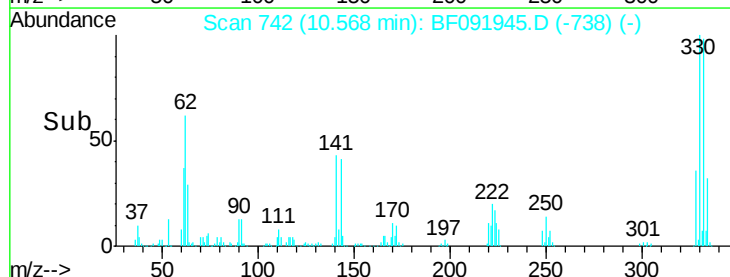
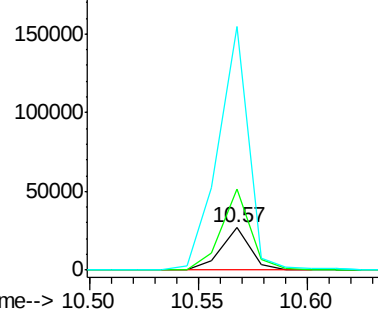


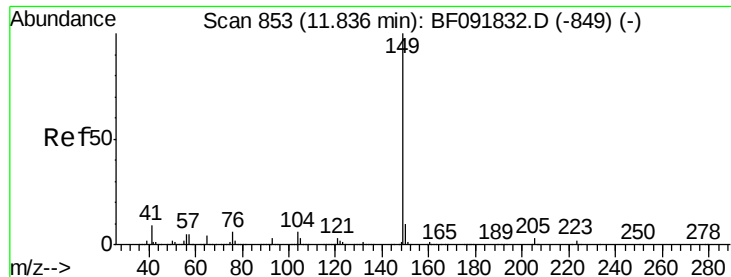
#66
4-Bromophenyl-phenylether
Concen: 3.60 ng
RT: 10.57 min Scan# 742
Delta R.T. -0.25 min
Lab File: BF091945.D
Acq: 24 Dec 2016 2:25

Tgt Ion:248 Resp: 24770
Ion Ratio Lower Upper
248 100
250 191.9 76.9 115.3#
141 578.7 68.2 102.4#



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





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.82 min Scan# 852

Delta R.T. -0.01 min

Lab File: BF091945.D

Acq: 24 Dec 2016 2:25

Instrument :

BNA_F

ClientSampleId :

PB95595TB

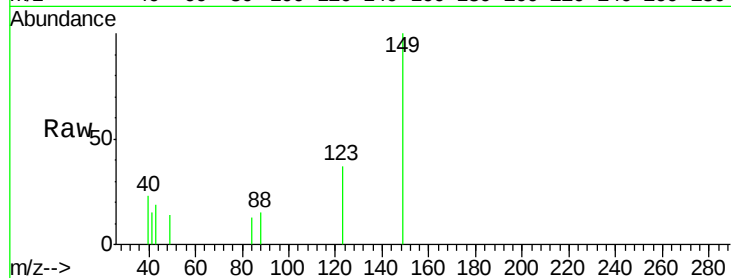
Tgt Ion:149 Resp: 2829

Ion Ratio Lower Upper

149 100

150 0.0 8.1 12.1#

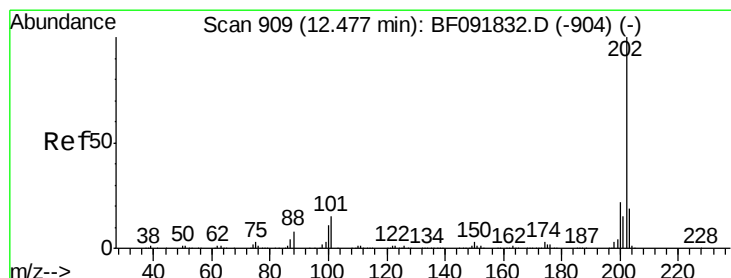
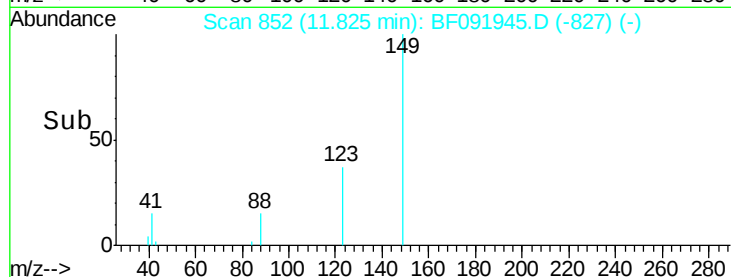
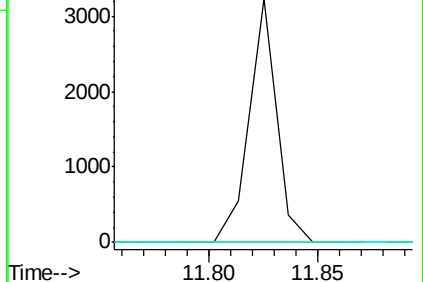
104 0.0 4.6 7.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: Below Cal

RT: 12.46 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF091945.D

Acq: 24 Dec 2016 2:25

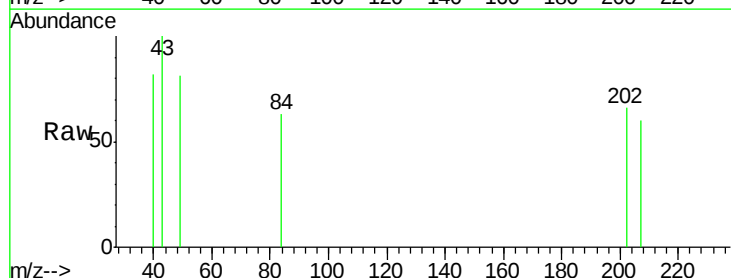
Tgt Ion:202 Resp: 259

Ion Ratio Lower Upper

202 100

101 0.0 0.0 34.6

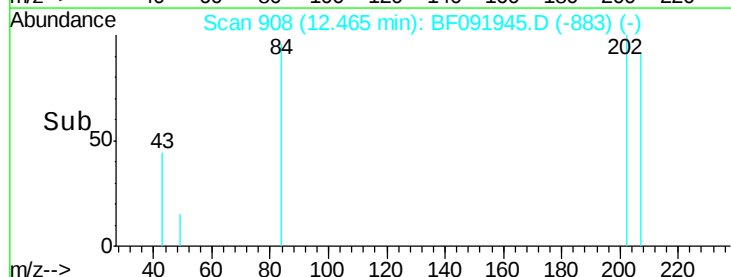
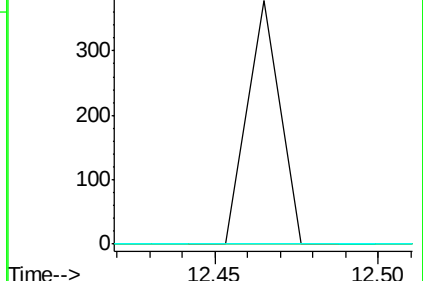
203 0.0 0.0 38.7

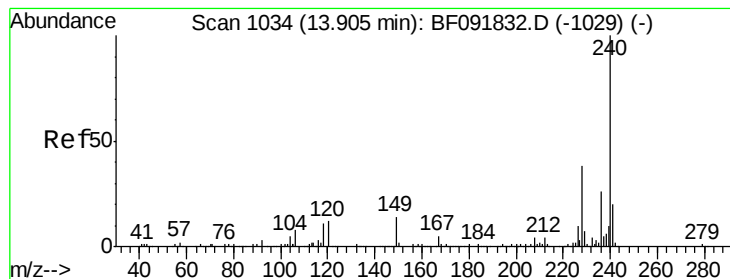


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF091945.D

Acq: 24 Dec 2016 2:25

Instrument :

BNA_F

ClientSampleId :

PB95595TB

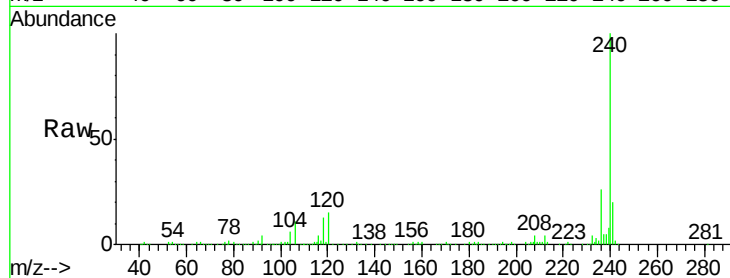
Tgt Ion:240 Resp: 440626

Ion Ratio Lower Upper

240 100

120 15.1 12.9 19.3

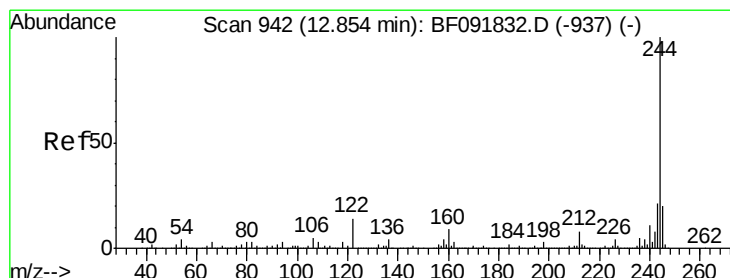
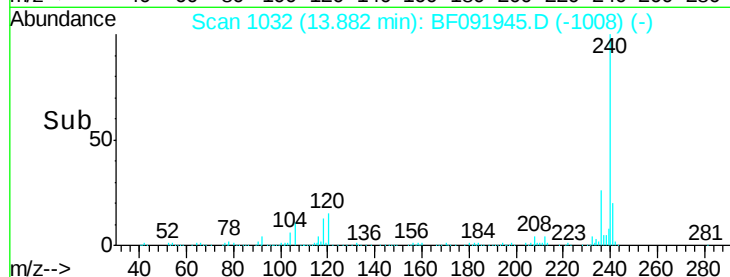
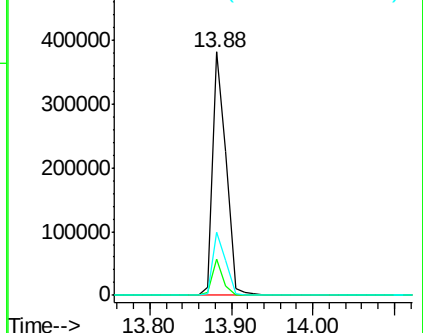
236 25.9 20.9 31.3



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: 77.92 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF091945.D

Acq: 24 Dec 2016 2:25

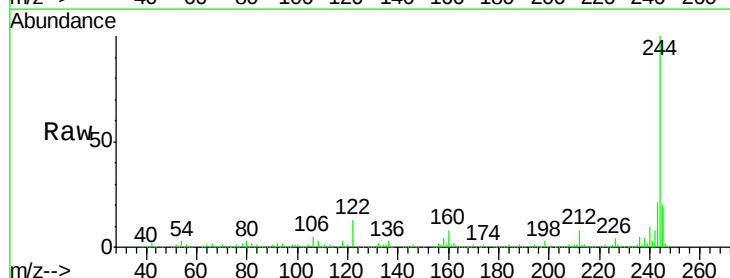
Tgt Ion:244 Resp: 1415689

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

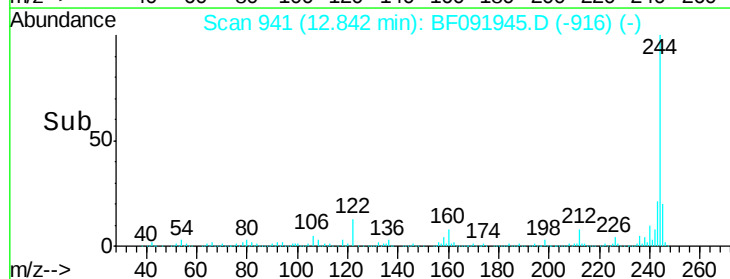
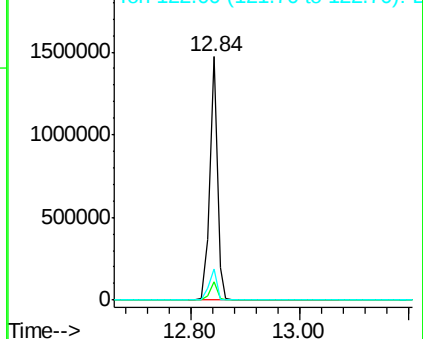
122 12.9 11.4 17.2

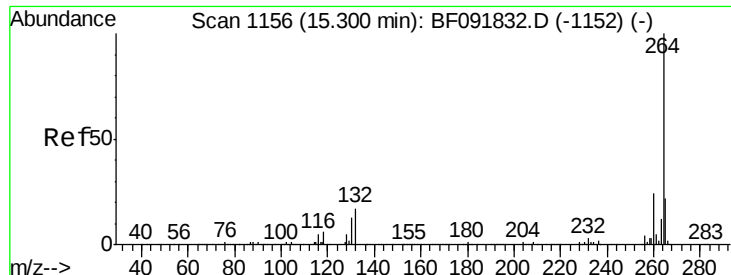


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

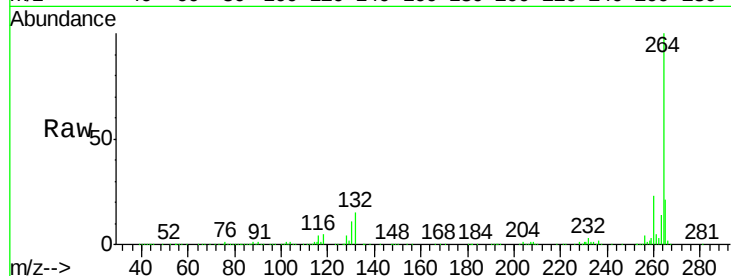




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF091945.D
Acq: 24 Dec 2016 2:25

Instrument :
BNA_F
ClientSampleId :
PB95595TB

Tgt Ion:	264	Resp:	423246
Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	20.7	17.4	26.0



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

