

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041717\
 Data File : BF094471.D
 Acq On : 18 Apr 2017 1:16
 Operator : SJ/MA
 Sample : I2708-05 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 18 04:37:50 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

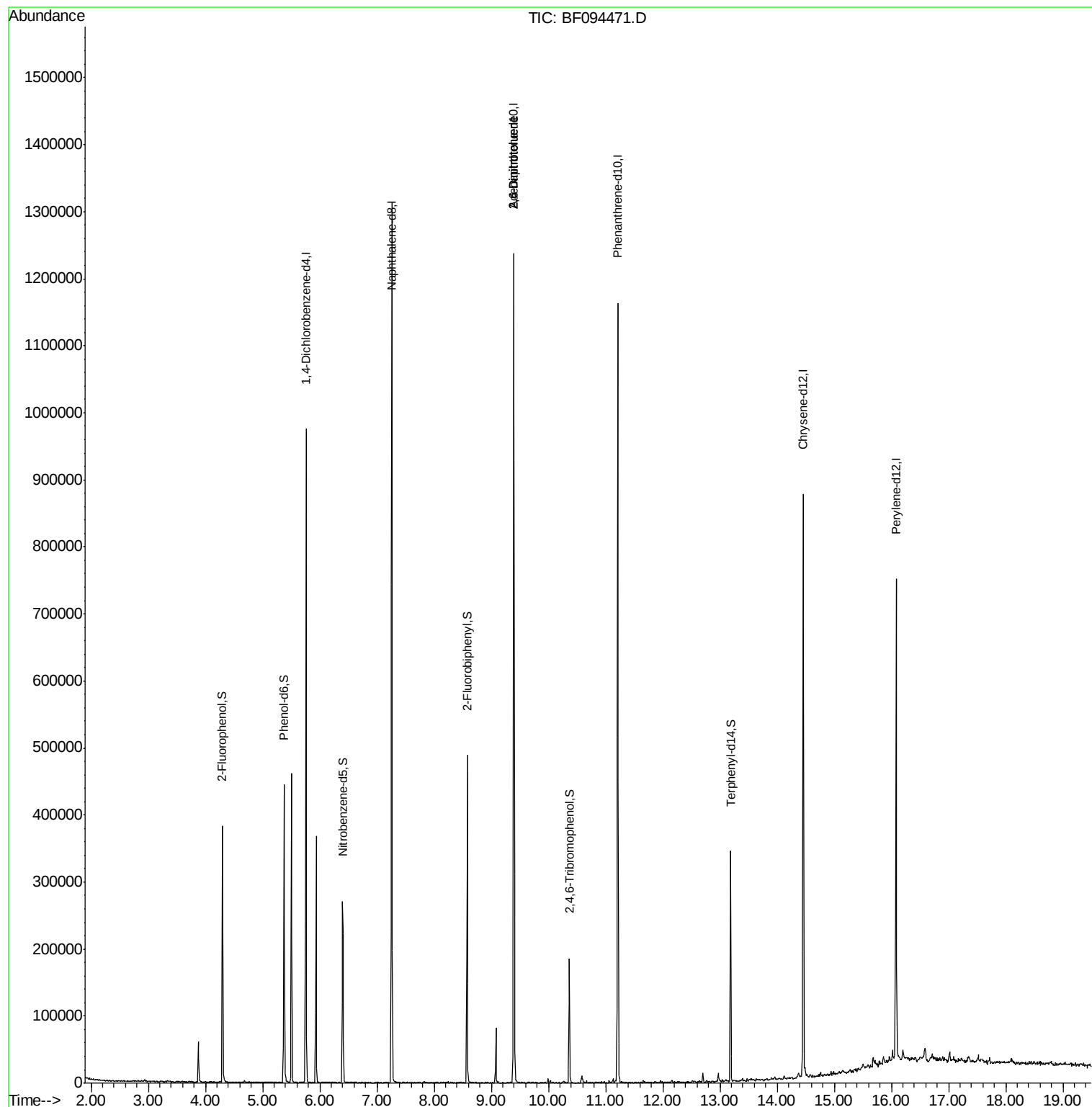
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	160467	20.00	ng	0.00
21) Naphthalene-d8	7.26	136	648015	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	274149	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	483867	20.00	ng	0.00
75) Chrysene-d12	14.46	240	325228	20.00	ng	-0.01
86) Perylene-d12	16.08	264	265059	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.29	112	115448	11.94	ng	-0.01
7) Phenol-d6	5.37	99	153465	13.46	ng	-0.02
23) Nitrobenzene-d5	6.40	82	90630	8.64	ng	-0.02
41) 2,4,6-Tribromophenol	10.36	330	20327	9.48	ng	-0.01
44) 2-Fluorobiphenyl	8.58	172	176054	9.45	ng	0.00
78) Terphenyl-d14	13.19	244	110213	9.06	ng	-0.01
Target Compounds						
50) 2,6-Dinitrotoluene	9.39	165	34749	7.58	ng	# 34
56) 2,4-Dinitrotoluene	9.39	165	34749	6.18	ng	# 33

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

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.76 min Scan# 658

Delta R.T. -0.01 min

Lab File: BF094471.D

Acq: 18 Apr 2017 1:16

Instrument :

BNA_F

ClientSampleId :

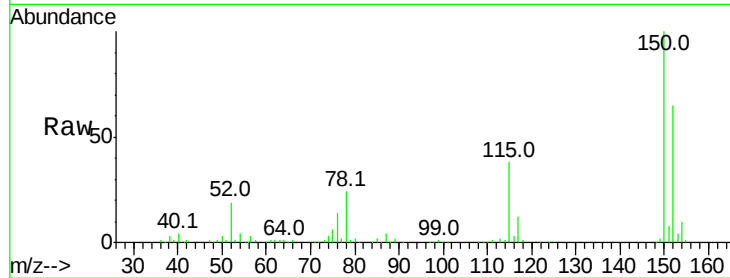
Tot Ion:152 Resp: 160467

Ion Ratio Lower Upper

152 100

150 153.6 126.2 189.2

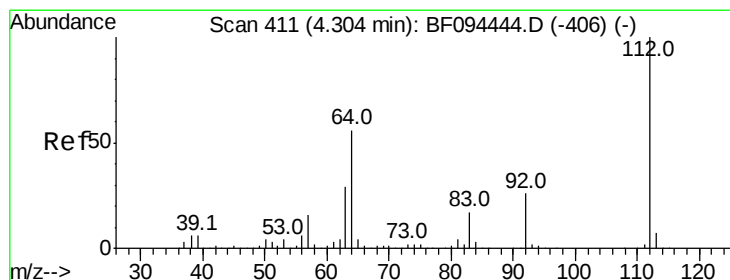
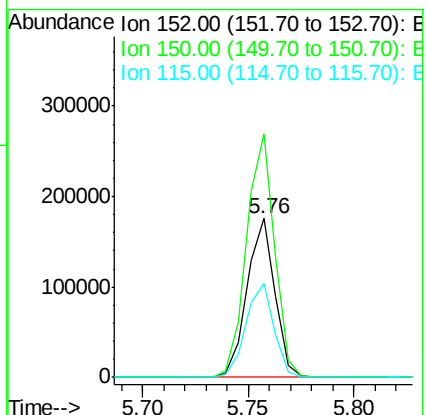
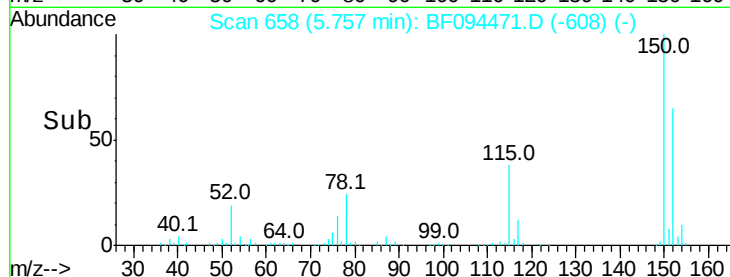
115 58.9 52.2 78.2



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: 11.94 ng

RT: 4.29 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF094471.D

Acq: 18 Apr 2017 1:16

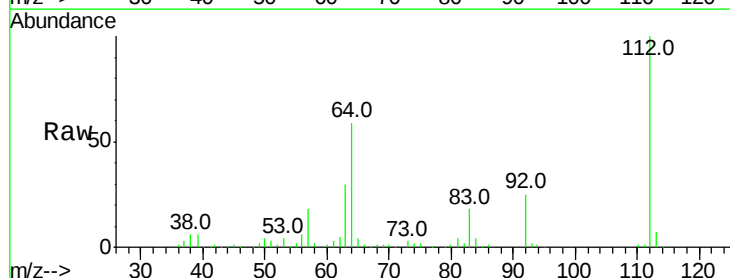
Tgt Ion:112 Resp: 115448

Ion Ratio Lower Upper

112 100

64 59.0 46.0 69.0

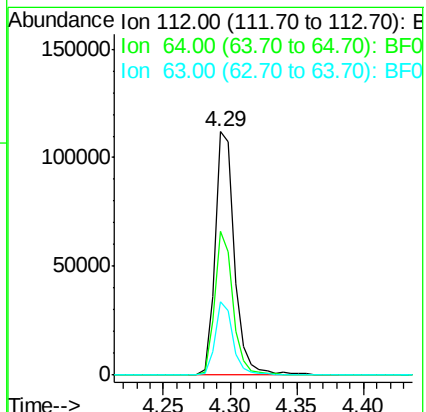
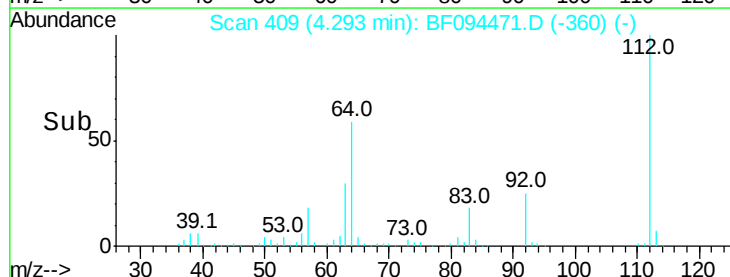
63 30.3 23.4 35.0

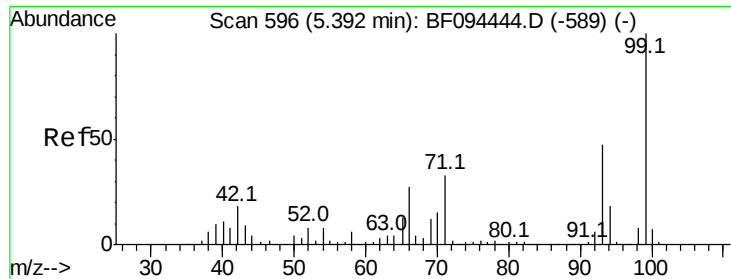


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 13.46 ng

RT: 5.37 min Scan# 593

Delta R.T. -0.02 min

Lab File: BF094471.D

Acq: 18 Apr 2017 1:16

Instrument :

BNA_F

ClientSampleId :

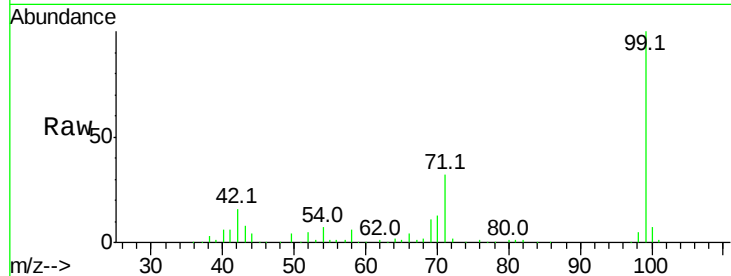
Tot Ion: 99 Resp: 153465

Ion Ratio Lower Upper

99 100

42 15.8 13.5 20.3

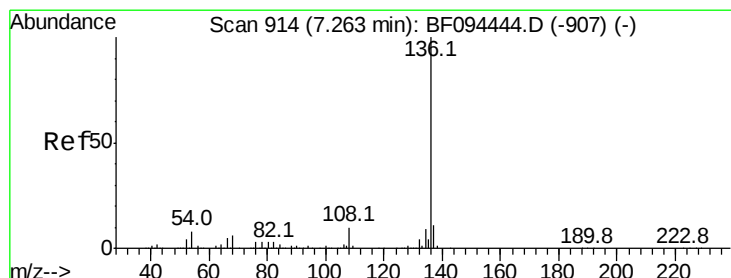
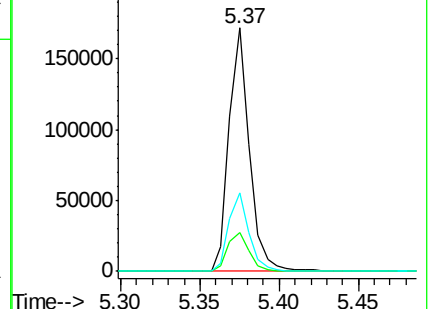
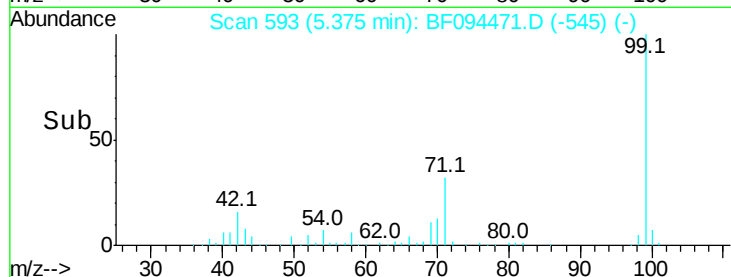
71 32.1 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.26 min Scan# 913

Delta R.T. -0.01 min

Lab File: BF094471.D

Acq: 18 Apr 2017 1:16

Tgt Ion: 136 Resp: 648015

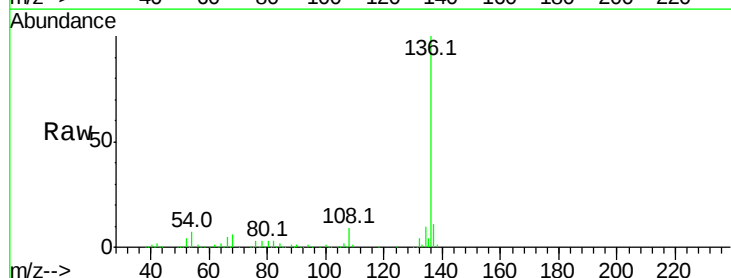
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 7.5 4.9 7.3#

68 6.1 4.1 6.1

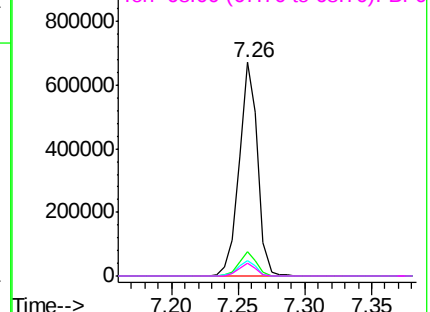
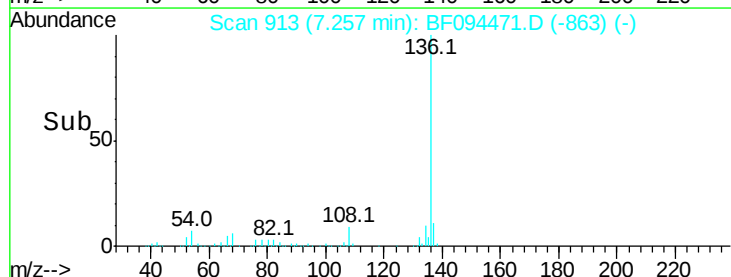


Abundance Ion 136.00 (135.70 to 136.70): E

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

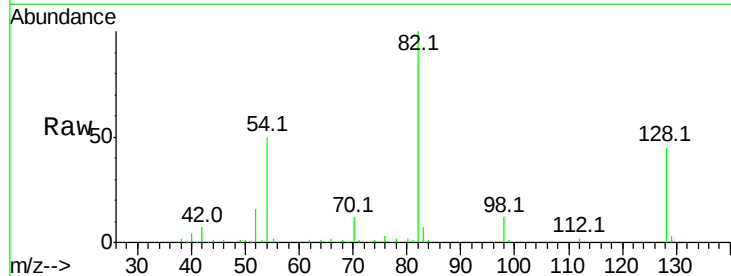




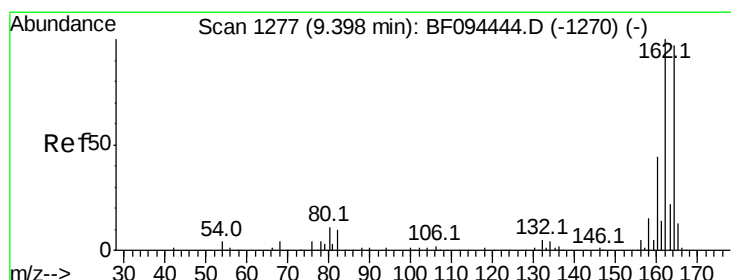
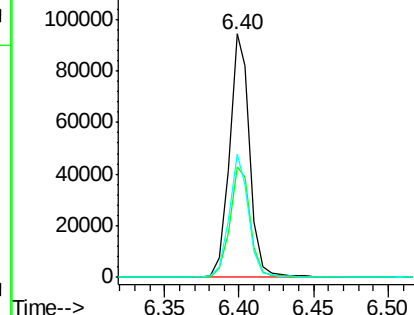
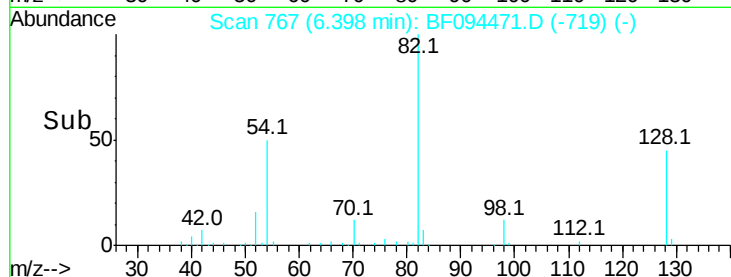
#23
 Nitrobenzene-d5
 Concen: 8.64 ng
 RT: 6.40 min Scan# 767
 Delta R.T. -0.02 min
 Lab File: BF094471.D
 Acq: 18 Apr 2017 1:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 90630
 Ion Ratio Lower Upper
 82 100
 128 45.4 34.0 51.0
 54 50.4 42.2 63.2

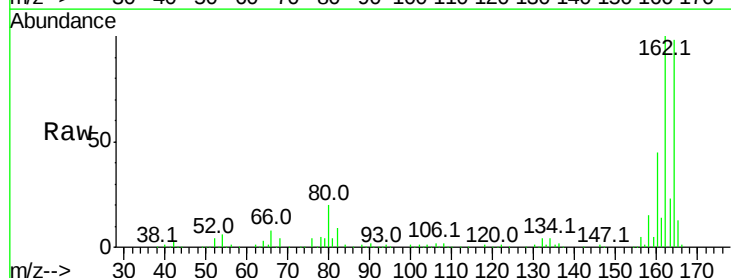


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

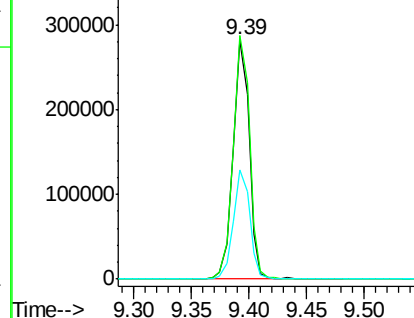
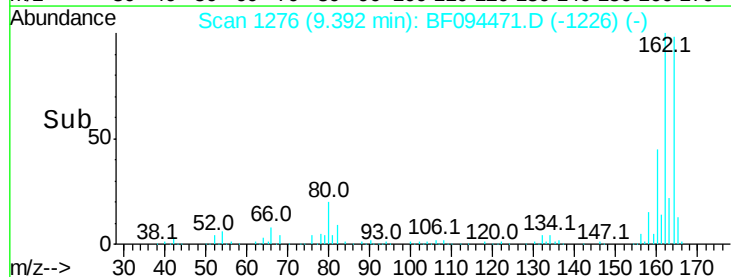


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.39 min Scan# 1276
 Delta R.T. -0.01 min
 Lab File: BF094471.D
 Acq: 18 Apr 2017 1:16

Tgt Ion:164 Resp: 274149
 Ion Ratio Lower Upper
 164 100
 162 102.1 82.6 123.8
 160 45.6 36.2 54.2



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

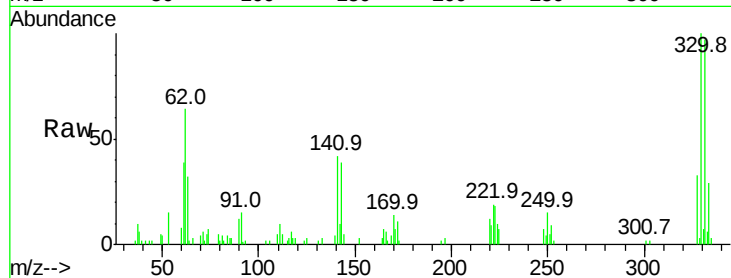




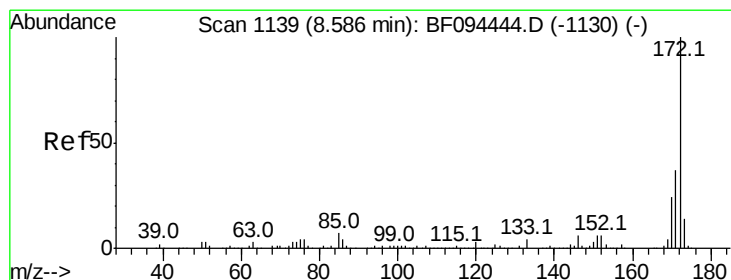
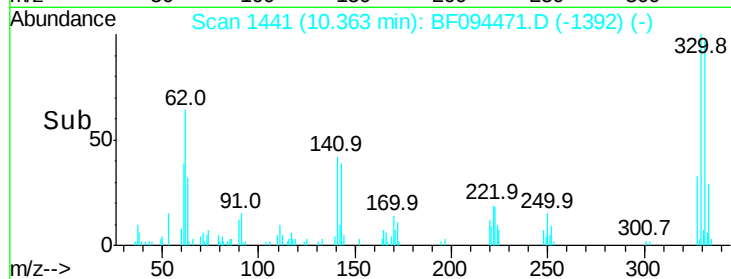
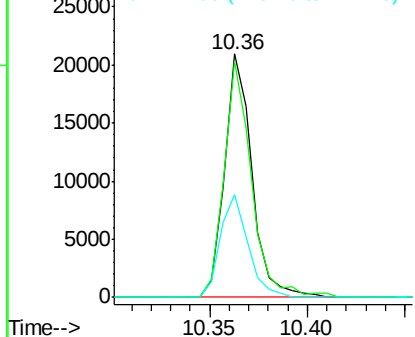
#41
 2,4,6-Tribromophenol
 Concen: 9.48 ng
 RT: 10.36 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF094471.D
 Acq: 18 Apr 2017 1:16

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 20327
 Ion Ratio Lower Upper
 330 100
 332 97.7 76.6 115.0
 141 42.5 31.4 47.2

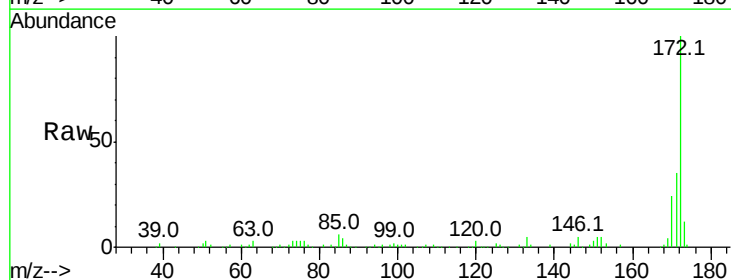


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

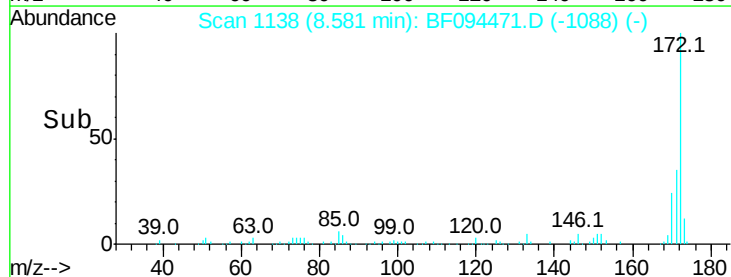
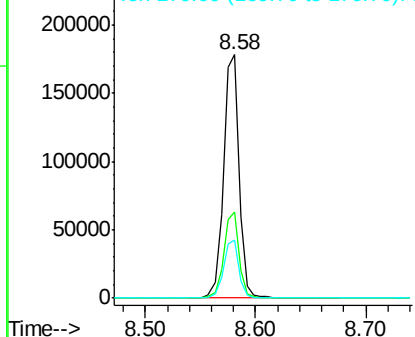


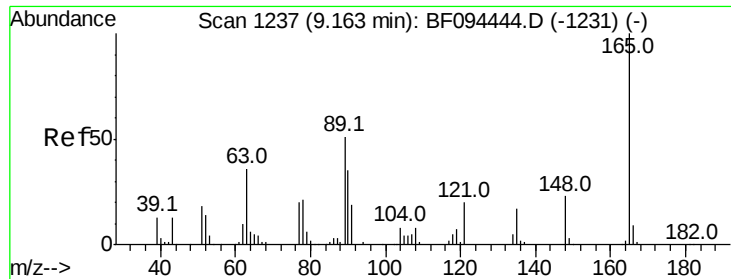
#44
 2-Fluorobiphenyl
 Concen: 9.45 ng
 RT: 8.58 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: BF094471.D
 Acq: 18 Apr 2017 1:16

Tgt Ion:172 Resp: 176054
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.6 44.4
 170 23.7 19.8 29.8



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

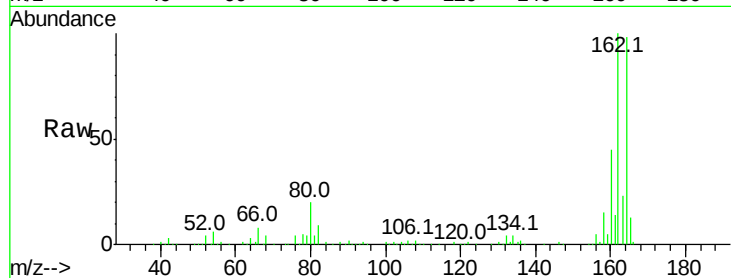




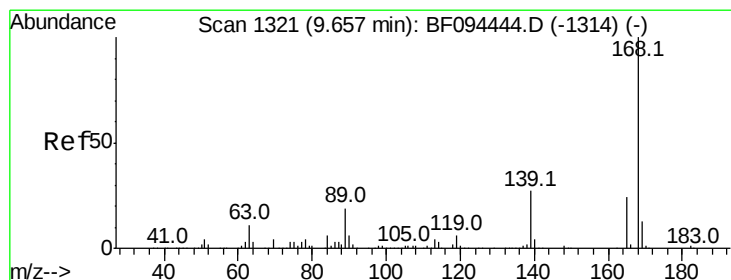
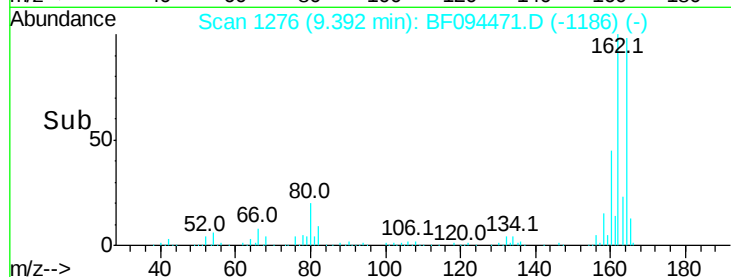
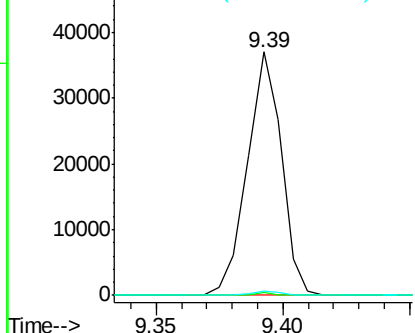
#50
 2,6-Dinitrotoluene
 Concen: 7.58 ng
 RT: 9.39 min Scan# 1276
 Delta R.T. 0.23 min
 Lab File: BF094471.D
 Acq: 18 Apr 2017 1:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	34.3	51.5#
89	1.8	37.1	55.7#



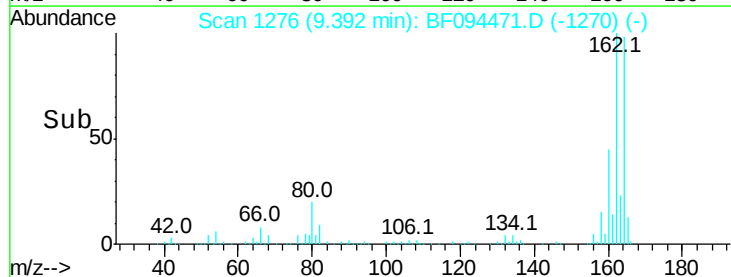
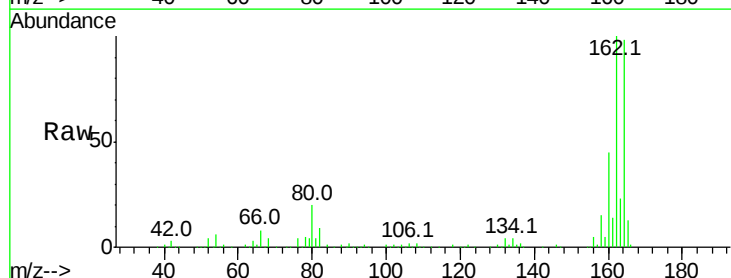
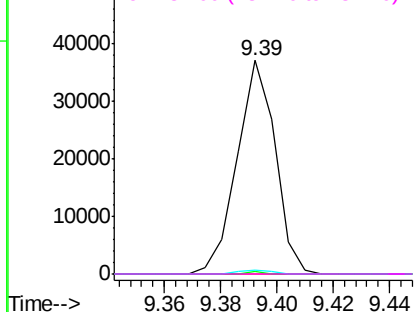
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

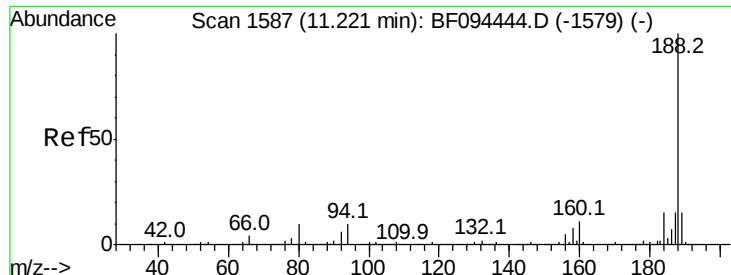


#56
 2,4-Dinitrotoluene
 Concen: 6.18 ng
 RT: 9.39 min Scan# 1276
 Delta R.T. -0.26 min
 Lab File: BF094471.D
 Acq: 18 Apr 2017 1:16

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	25.4	38.0#
89	1.8	46.4	69.6#
182	0.0	1.8	2.6#

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: 11.22 min Scan# 1586

Delta R.T. -0.01 min

Lab File: BF094471.D

Acq: 18 Apr 2017 1:16

Instrument :

BNA_F

ClientSampleId :

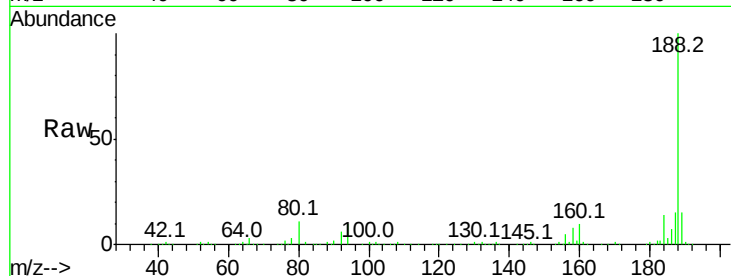
Tot Ion:188 Resp: 483867

Ion Ratio Lower Upper

188 100

94 10.1 9.4 14.2

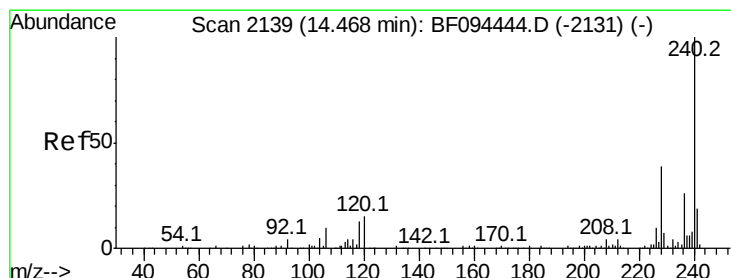
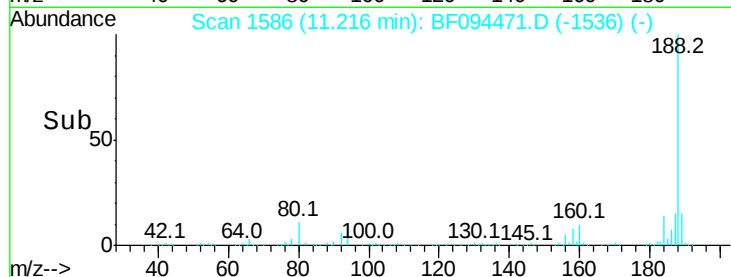
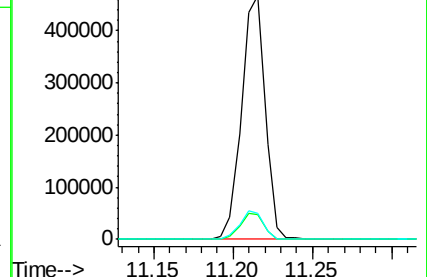
80 10.8 10.2 15.2



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.46 min Scan# 2137

Delta R.T. -0.01 min

Lab File: BF094471.D

Acq: 18 Apr 2017 1:16

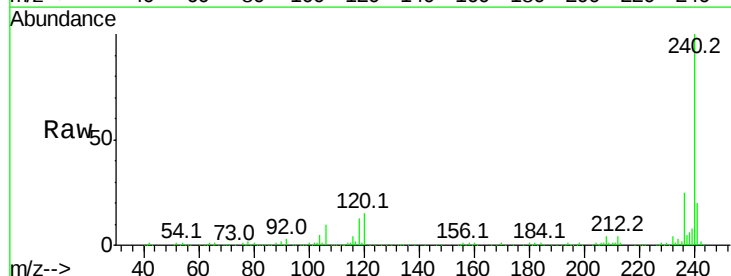
Tgt Ion:240 Resp: 325228

Ion Ratio Lower Upper

240 100

120 15.3 5.8 8.8#

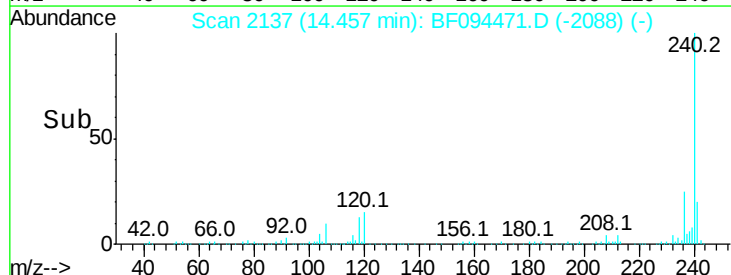
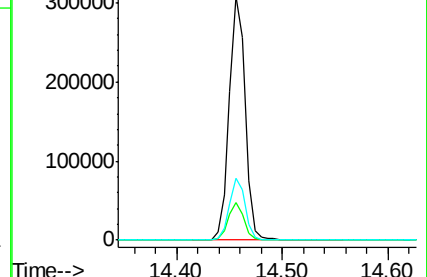
236 25.2 20.5 30.7

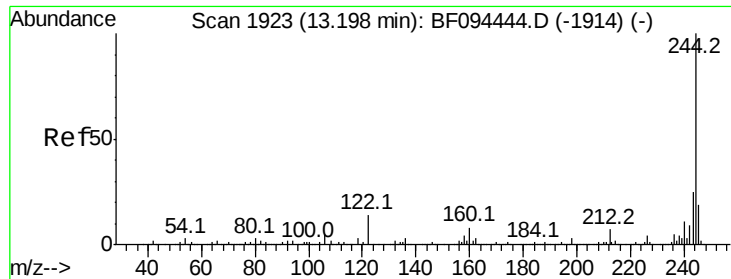


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

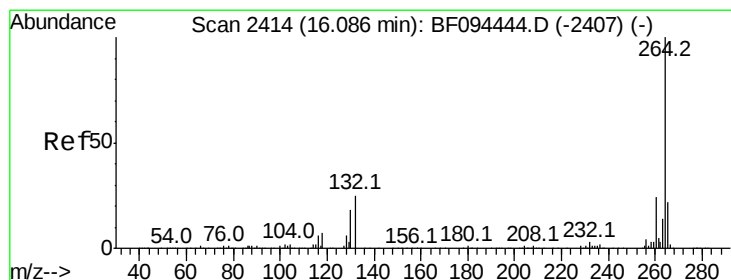
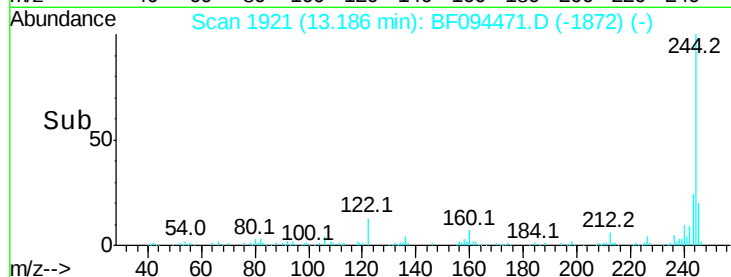
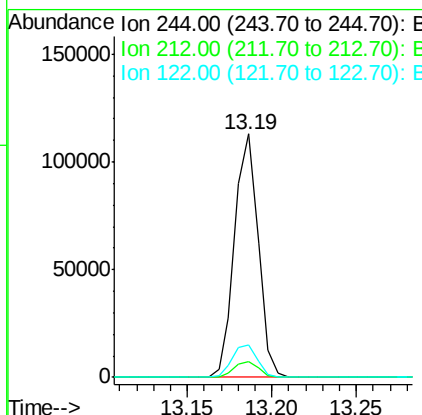
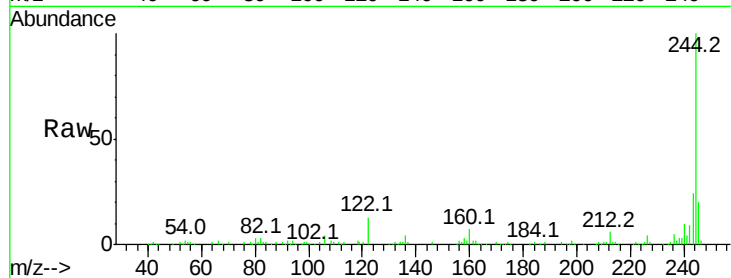




#78
 Terphenyl-d14
 Concen: 9.06 ng
 RT: 13.19 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: BF094471.D
 Acq: 18 Apr 2017 1:16

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	6.0	9.0
122	13.1	10.3	15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.08 min Scan# 2413
 Delta R.T. -0.01 min
 Lab File: BF094471.D
 Acq: 18 Apr 2017 1:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.7	17.2	25.8

