

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102716\
 Data File : BF090894.D
 Acq On : 28 Oct 2016 3:52
 Operator : UM/SJ
 Sample : H5436-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NCC41-TOPSOIL

Quant Time: Oct 28 05:09:13 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 27 18:46:43 2016
 Response via : Initial Calibration

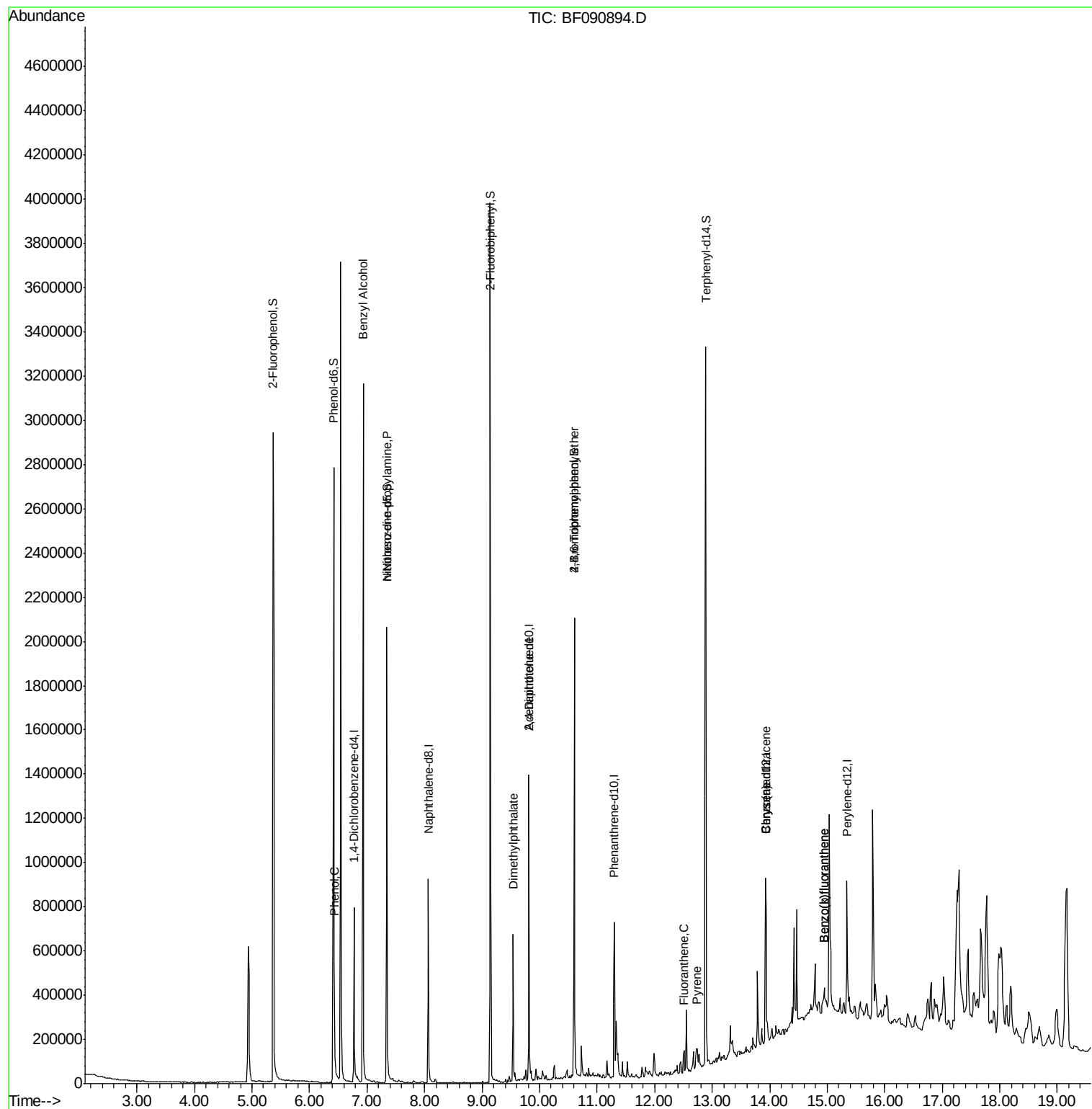
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	138274	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	529409	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	255676	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	300499	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	314140	20.00	ng	-0.02
86) Perylene-d12	15.35	264	253027	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	1181127	149.35	ng	0.00
7) Phenol-d6	6.42	99	1241342	116.34	ng	0.00
23) Nitrobenzene-d5	7.34	82	843332	104.28	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	234911	89.40	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	1308707	89.88	ng	-0.01
78) Terphenyl-d14	12.89	244	1071847	85.96	ng	-0.01
Target Compounds						
10) Phenol	6.43	94	47395	4.03	ng	# 68
15) Benzyl Alcohol	6.93	79	14385	2.05	ng	# 31
19) n-Nitroso-di-n-propylamine	7.34	70	108587	17.60	ng	# 49
49) Dimethylphthalate	9.54	163	316632	18.54	ng	# 97
56) 2,4-Dinitrotoluene	9.81	165	33102	7.06	ng	# 33
66) 4-Bromophenyl-phenylether	10.60	248	16743	5.09	ng	# 1
74) Fluoranthene	12.51	202	57764	3.45	ng	90
77) Pyrene	12.74	202	51380	2.58	ng	96
80) Benzo(a)anthracene	13.93	228	36191	2.17	ng	# 89
82) Chrysene	13.93	228	36191	2.15	ng	# 90
87) Benzo(b)fluoranthene	14.95	252	62740	3.69	ng	96
88) Benzo(k)fluoranthene	14.95	252	62740	4.67	ng	94

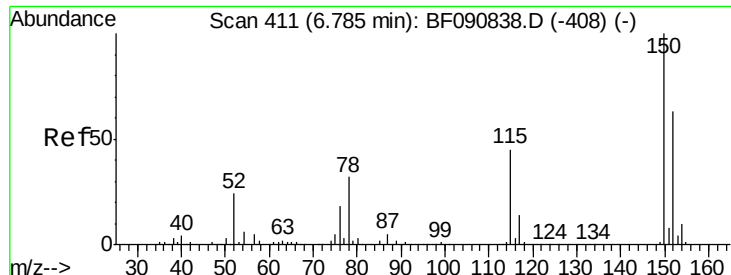
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102716\
Data File : BF090894.D
Acq On : 28 Oct 2016 3:52
Operator : UM/SJ
Sample : H5436-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NCC41-TOPSOIL

Quant Time: Oct 28 05:09:13 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 27 18:46:43 2016
Response via : Initial Calibration

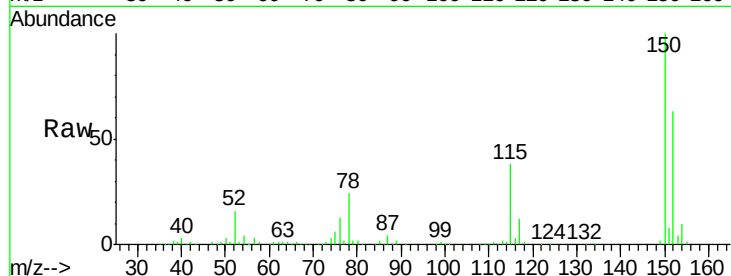




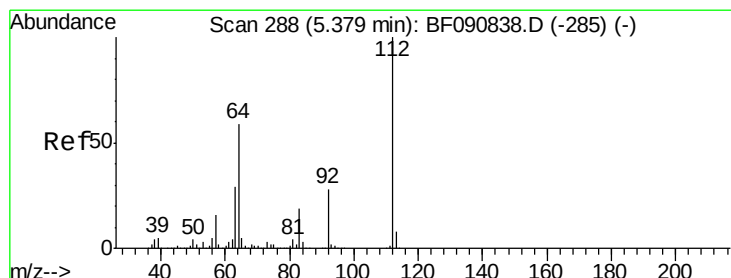
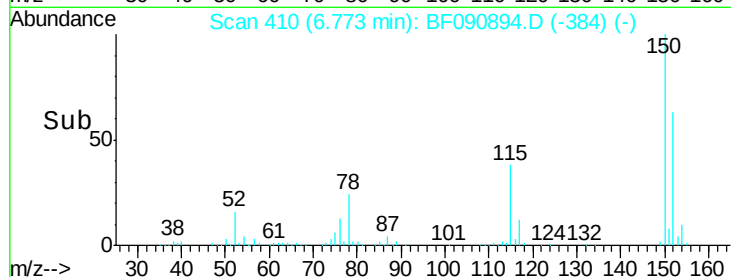
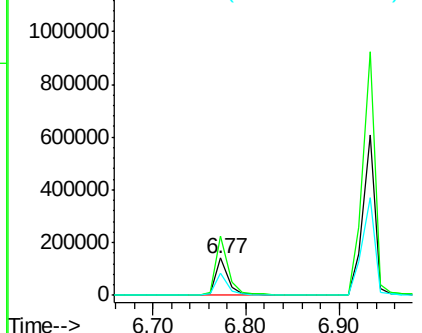
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.77 min Scan# 410
 Delta R.T. -0.00 min
 Lab File: BF090894.D
 Acq: 28 Oct 2016 3:52

Instrument :
 BNA_F
 ClientSampleId :
 NCC41-TOPSOIL

Tgt Ion:152 Resp: 138274
 Ion Ratio Lower Upper
 152 100
 150 159.7 124.7 187.1
 115 61.5 39.0 58.4#

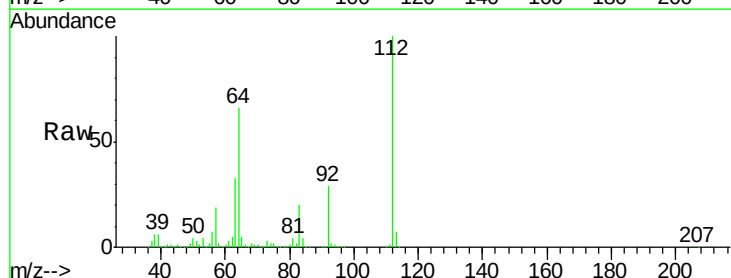


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

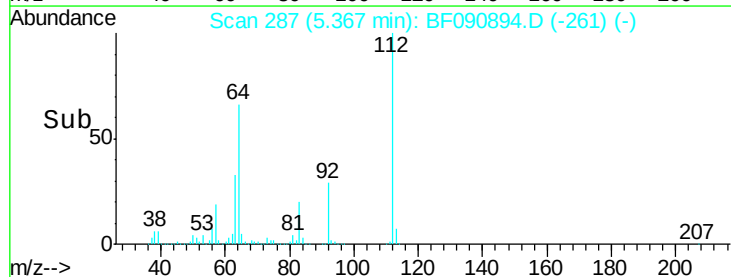
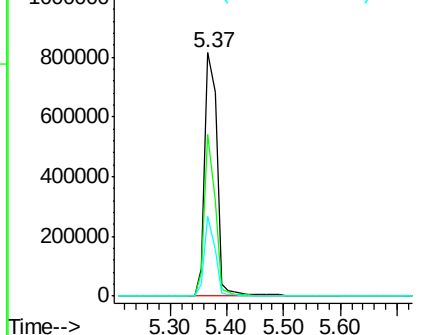


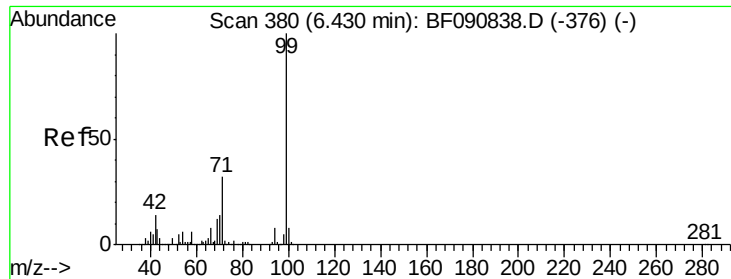
#5
 2-Fluorophenol
 Concen: 149.35 ng
 RT: 5.37 min Scan# 287
 Delta R.T. -0.00 min
 Lab File: BF090894.D
 Acq: 28 Oct 2016 3:52

Tgt Ion:112 Resp: 1181127
 Ion Ratio Lower Upper
 112 100
 64 66.3 39.7 59.5#
 63 32.6 17.4 26.0#



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: 116.34 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.00 min

Lab File: BF090894.D

Acq: 28 Oct 2016 3:52

Instrument :

BNA_F

ClientSampleId :

NCC41-TOPSOIL

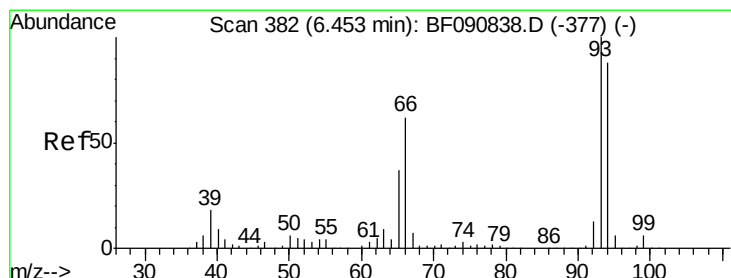
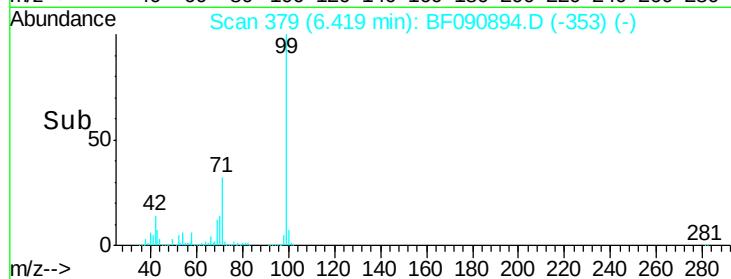
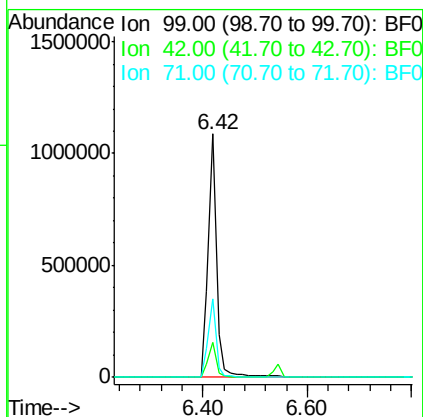
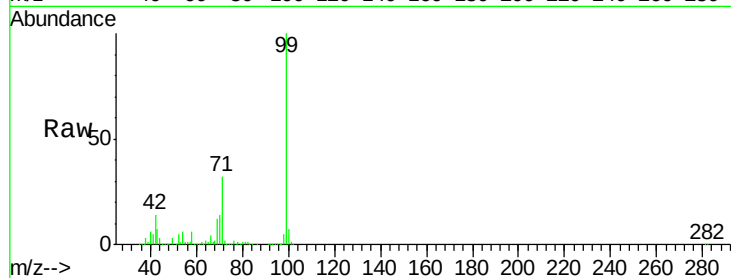
Tgt Ion: 99 Resp: 1241342

Ion Ratio Lower Upper

99 100

42 14.3 13.7 20.5

71 32.2 14.2 21.2#



#10

Phenol

Concen: 4.03 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF090894.D

Acq: 28 Oct 2016 3:52

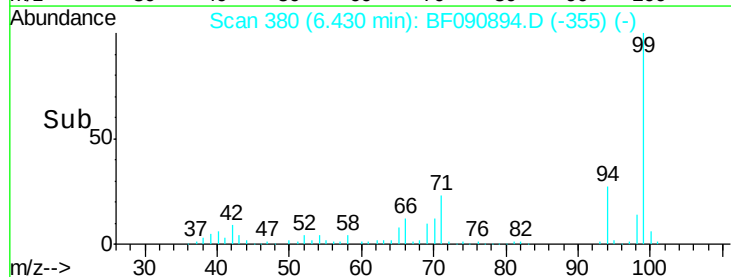
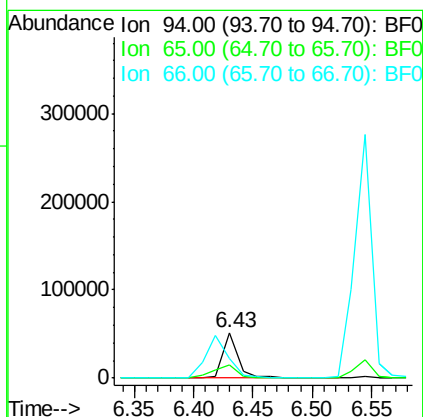
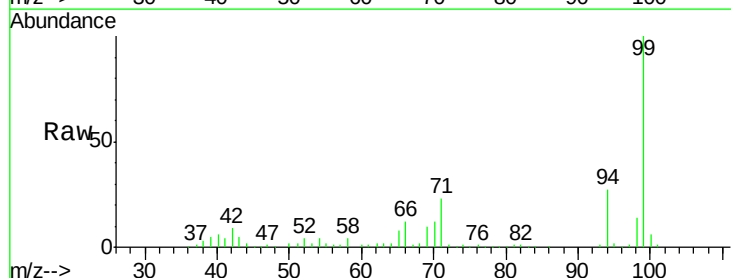
Tgt Ion: 94 Resp: 47395

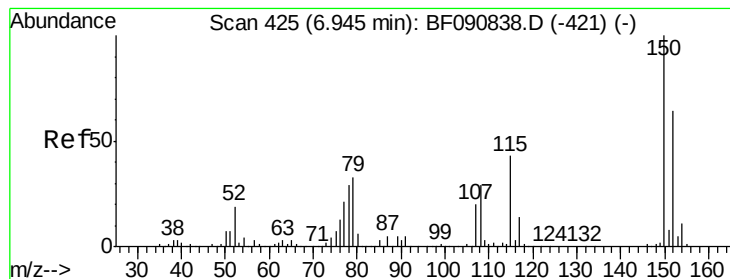
Ion Ratio Lower Upper

94 100

65 27.8 0.7 40.7

66 43.2 0.8 40.8#





#15

Benzyl Alcohol

Concen: 2.05 ng

RT: 6.93 min Scan# 424

Delta R.T. -0.00 min

Lab File: BF090894.D

Acq: 28 Oct 2016 3:52

Instrument :

BNA_F

ClientSampleId :

NCC41-TOPSOIL

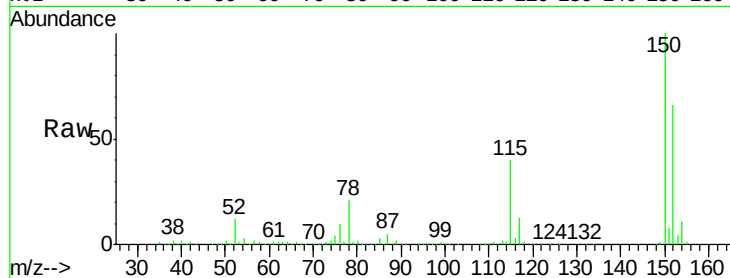
Tgt Ion: 79 Resp: 14385

Ion Ratio Lower Upper

79 100

108 30.8 88.6 132.8#

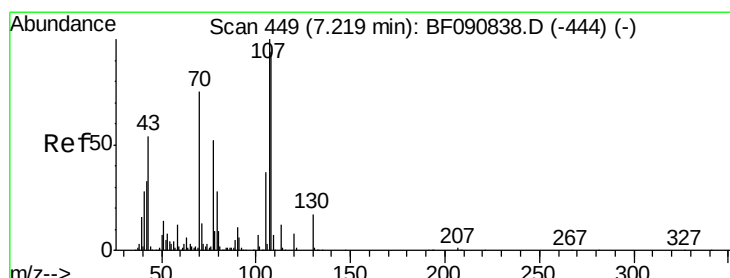
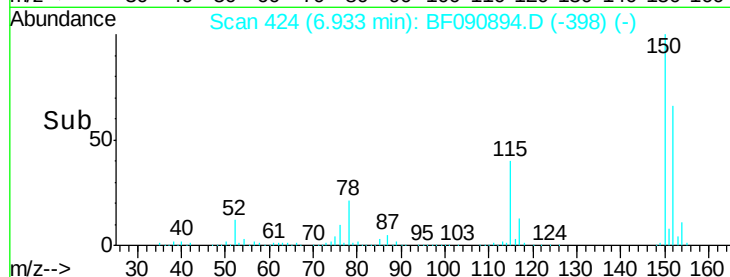
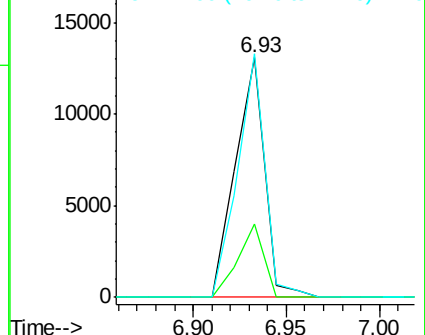
77 101.7 47.0 70.4#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 17.60 ng

RT: 7.34 min Scan# 460

Delta R.T. 0.14 min

Lab File: BF090894.D

Acq: 28 Oct 2016 3:52

Tgt Ion: 70 Resp: 108587

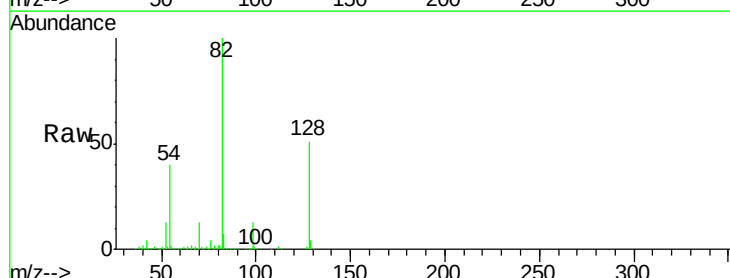
Ion Ratio Lower Upper

70 100

42 33.9 63.8 95.6#

101 0.0 9.2 13.8#

130 2.4 27.3 40.9#

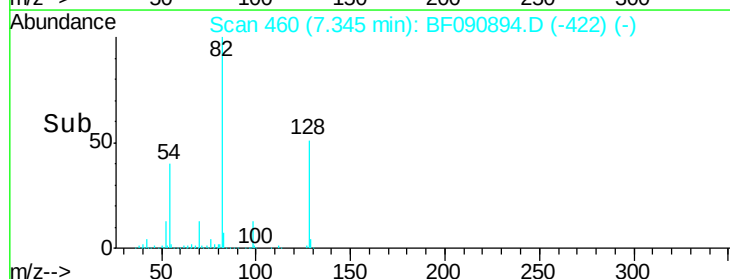
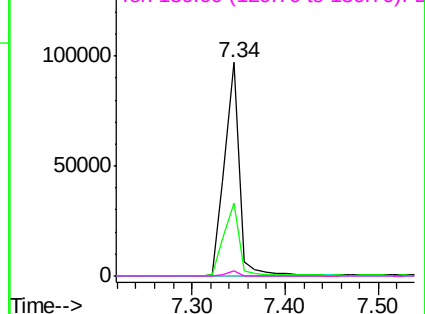


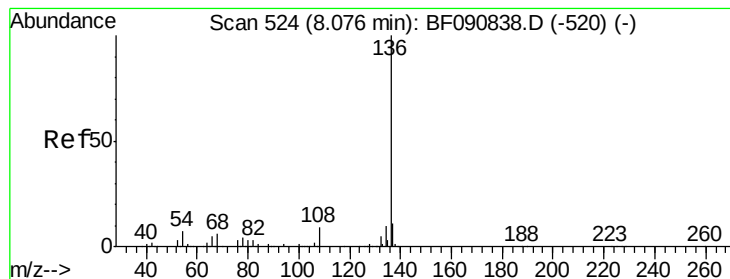
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.06 min Scan# 523

Delta R.T. 0.00 min

Lab File: BF090894.D

Acq: 28 Oct 2016 3:52

Instrument :

BNA_F

ClientSampleId :

NCC41-TOPSOIL

Tgt Ion: 136 Resp: 529409

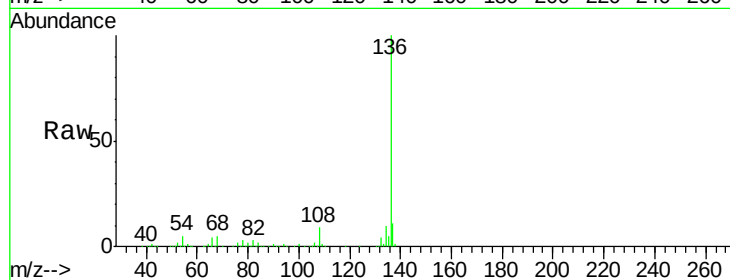
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.6

54 5.1 8.2 12.2#

68 5.0 5.8 8.6#

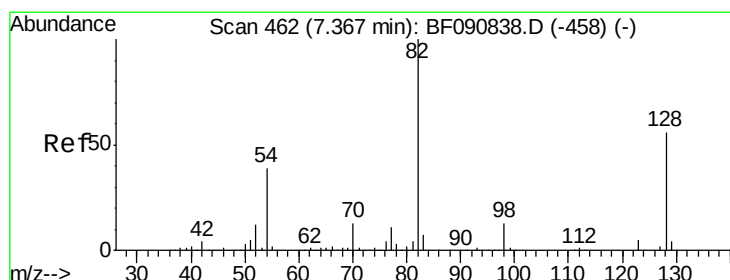
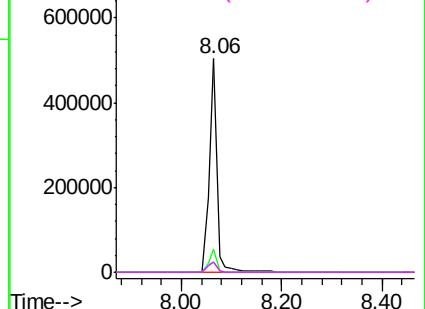
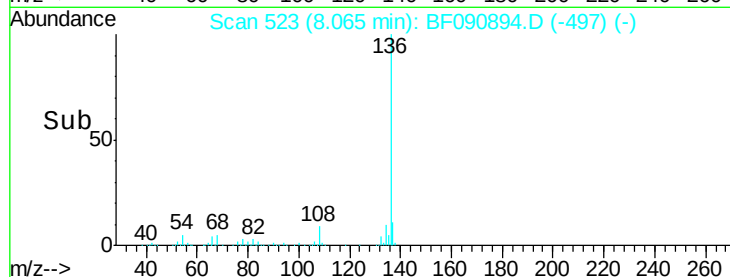


Abundance Ion 136.00 (135.70 to 136.70): E

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: 104.28 ng

RT: 7.34 min Scan# 460

Delta R.T. -0.01 min

Lab File: BF090894.D

Acq: 28 Oct 2016 3:52

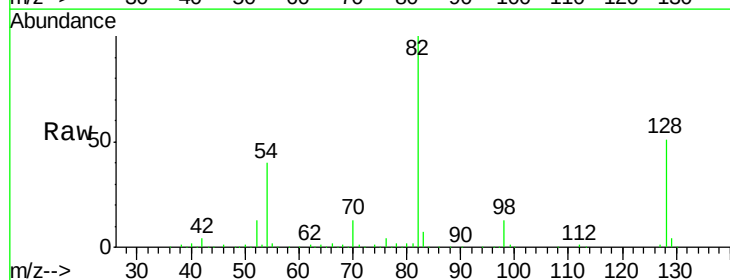
Tgt Ion: 82 Resp: 843332

Ion Ratio Lower Upper

82 100

128 51.1 51.0 76.6

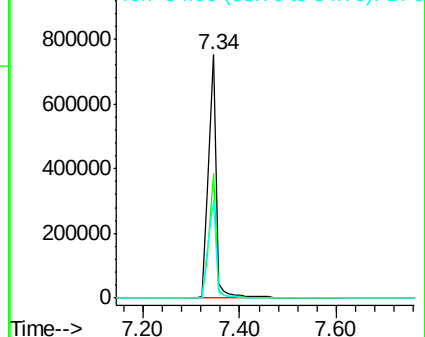
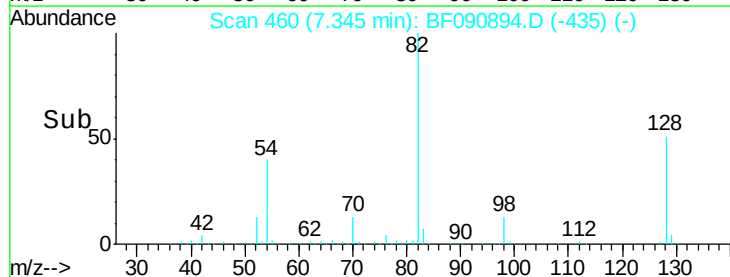
54 40.4 47.5 71.3#

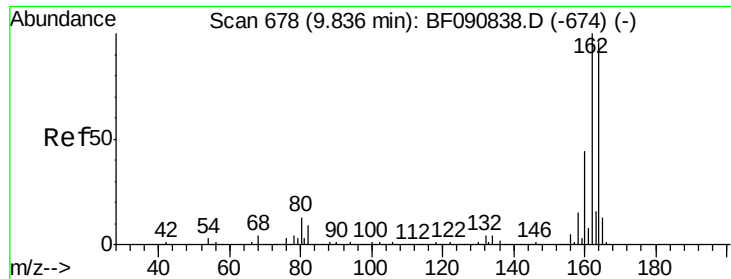


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

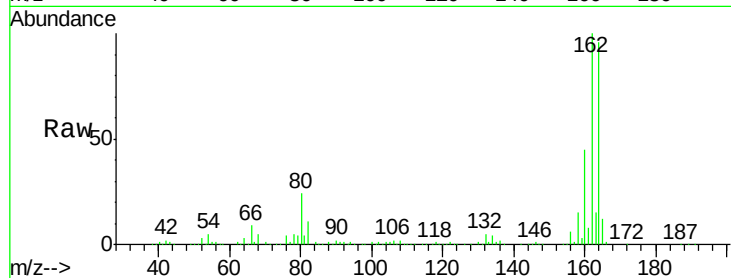




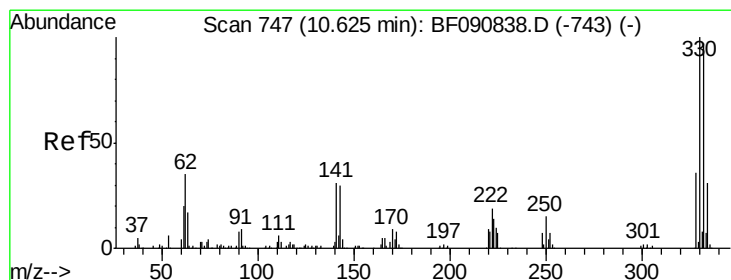
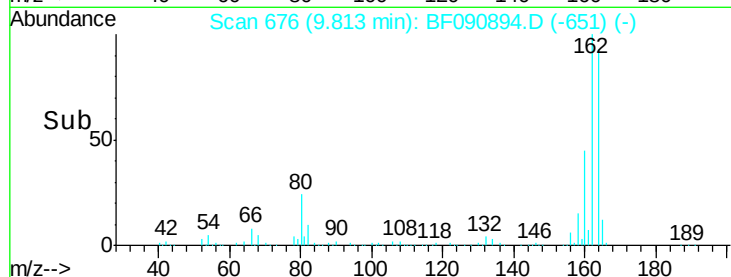
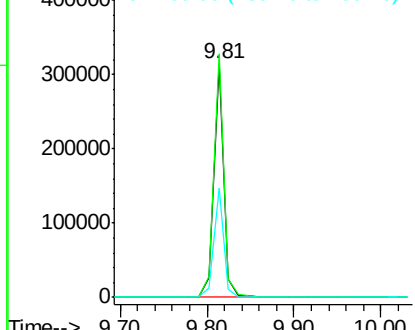
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.81 min Scan# 676
Delta R.T. -0.01 min
Lab File: BF090894.D
Acq: 28 Oct 2016 3:52

Instrument :
BNA_F
ClientSampleId :
NCC41-TOPSOIL

Tgt Ion:164 Resp: 255676
Ion Ratio Lower Upper
164 100
162 104.3 75.2 112.8
160 46.9 31.5 47.3

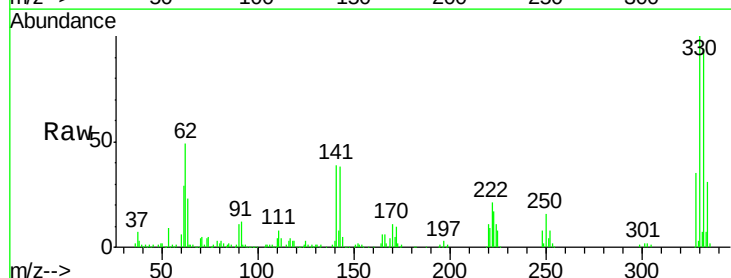


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

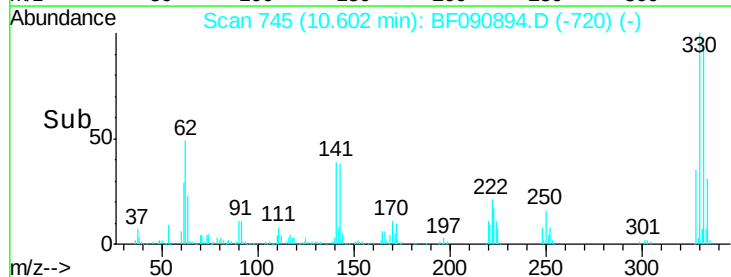
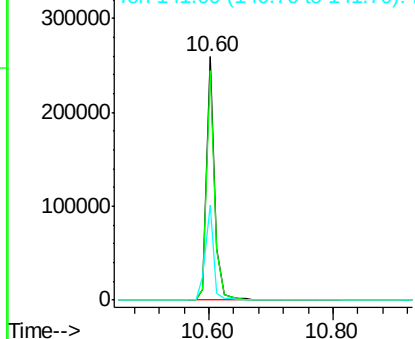


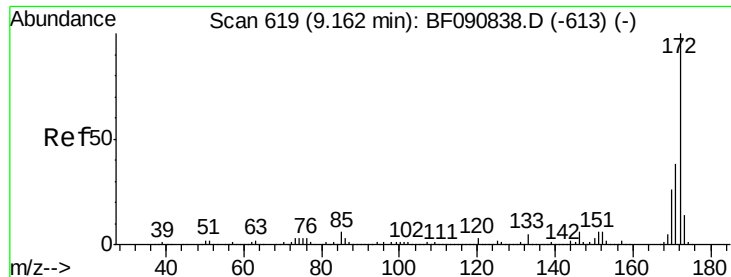
#41
2,4,6-Tribromophenol
Concen: 89.40 ng
RT: 10.60 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF090894.D
Acq: 28 Oct 2016 3:52

Tgt Ion:330 Resp: 234911
Ion Ratio Lower Upper
330 100
332 94.8 76.6 114.8
141 40.8 29.7 44.5



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

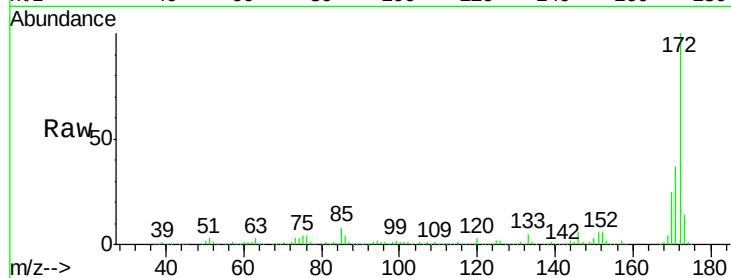




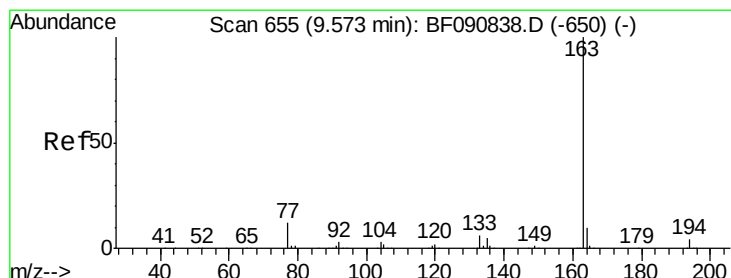
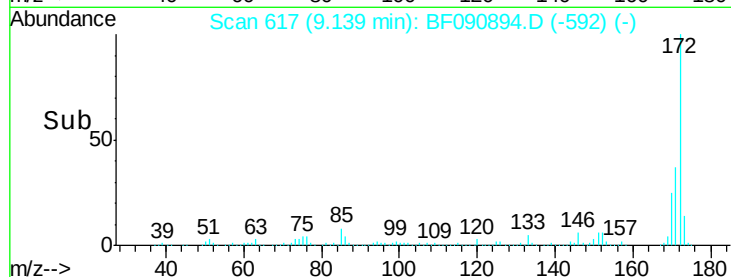
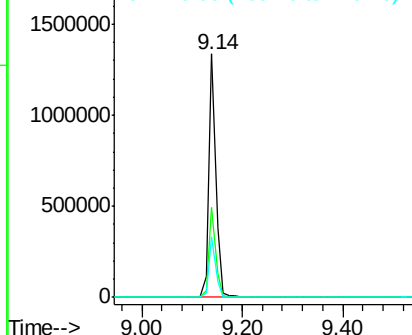
#44
 2-Fluorobiphenyl
 Concen: 89.88 ng
 RT: 9.14 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: BF090894.D
 Acq: 28 Oct 2016 3:52

Instrument :
 BNA_F
 ClientSampleId :
 NCC41-TOPSOIL

Tgt Ion:172 Resp: 1308707
 Ion Ratio Lower Upper
 172 100
 171 37.2 26.1 39.1
 170 25.0 17.4 26.2

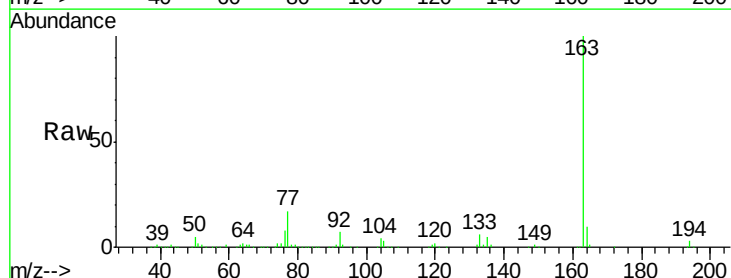


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

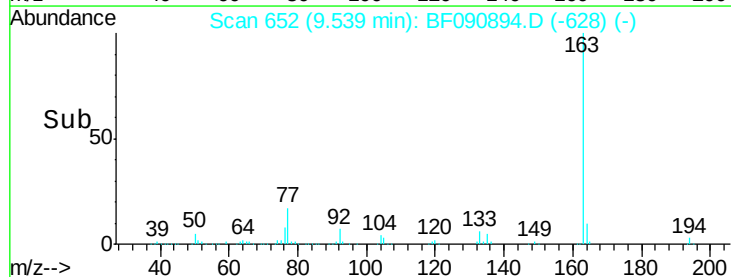
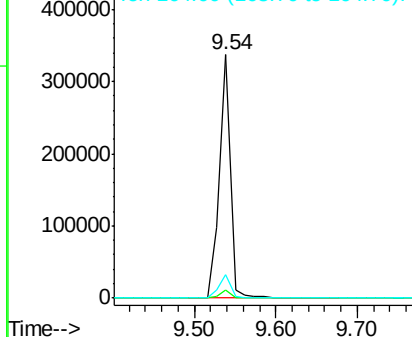


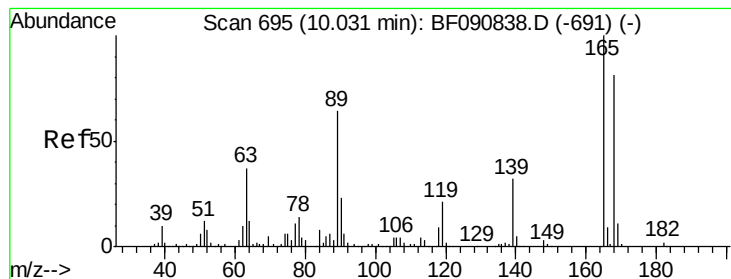
#49
 Dimethylphthalate
 Concen: 18.54 ng
 RT: 9.54 min Scan# 652
 Delta R.T. -0.02 min
 Lab File: BF090894.D
 Acq: 28 Oct 2016 3:52

Tgt Ion:163 Resp: 316632
 Ion Ratio Lower Upper
 163 100
 194 3.4 4.4 6.6#
 164 9.6 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E





#56

2,4-Dinitrotoluene

Concen: 7.06 ng

RT: 9.81 min Scan# 676

Delta R.T. -0.21 min

Lab File: BF090894.D

Acq: 28 Oct 2016 3:52

Instrument :

BNA_F

ClientSampleId :

NCC41-TOPSOIL

Tgt Ion:165 Resp: 33102

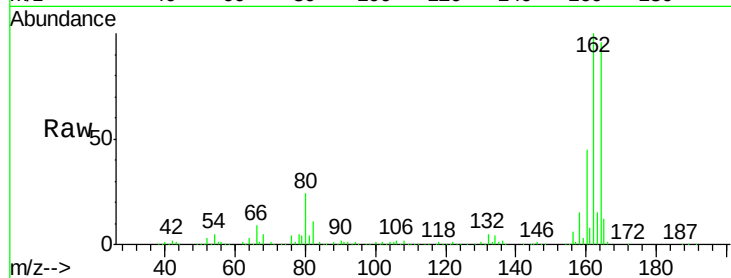
Ion Ratio Lower Upper

165 100

63 1.4 29.8 44.6#

89 1.1 44.5 66.7#

182 0.0 3.0 4.4#

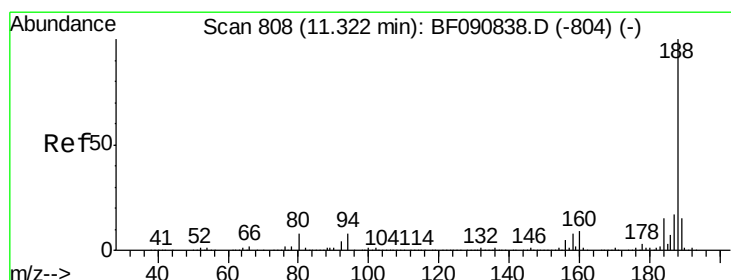
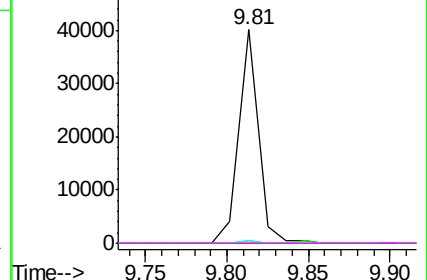
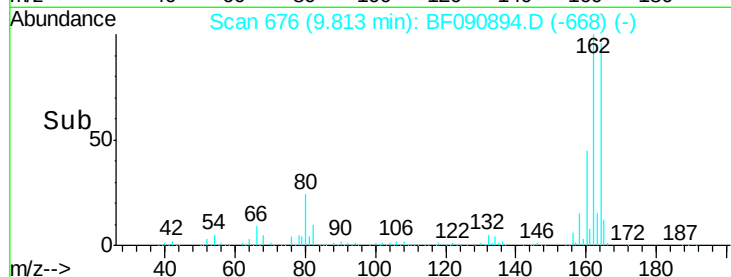


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

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. -0.01 min

Lab File: BF090894.D

Acq: 28 Oct 2016 3:52

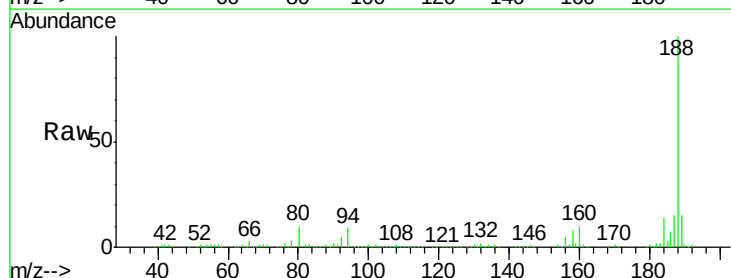
Tgt Ion:188 Resp: 300499

Ion Ratio Lower Upper

188 100

94 9.2 11.1 16.7#

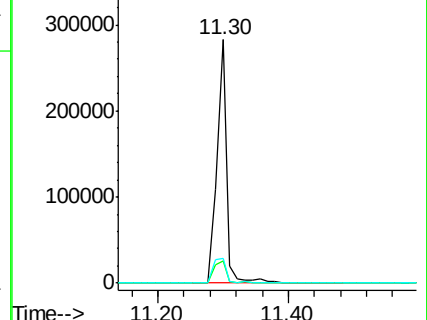
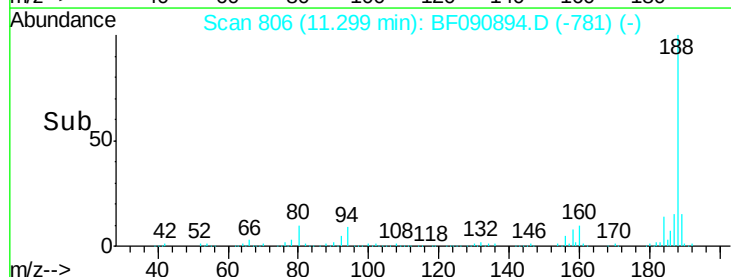
80 10.1 11.0 16.4#

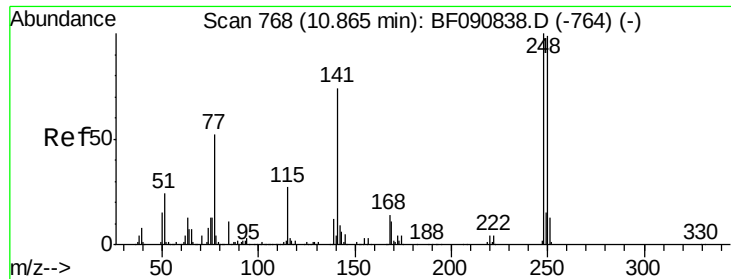


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

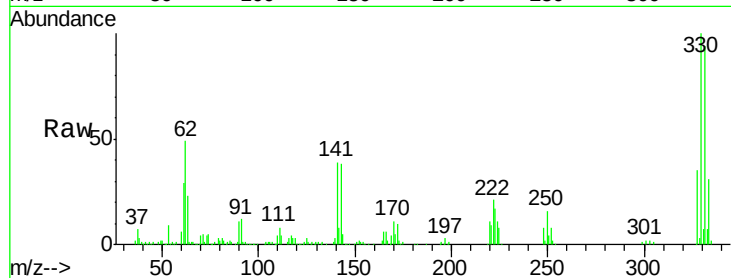




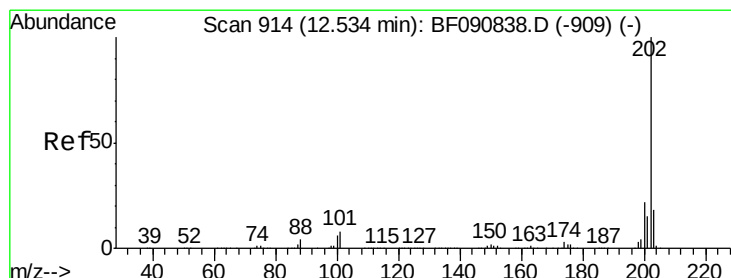
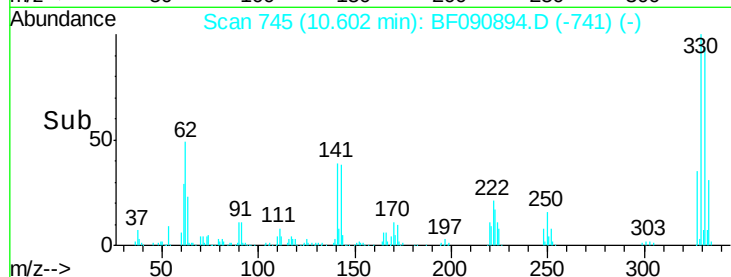
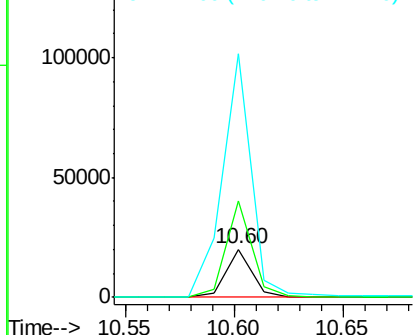
#66
 4-Bromophenyl-phenylether
 Concen: 5.09 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.25 min
 Lab File: BF090894.D
 Acq: 28 Oct 2016 3:52

Instrument :
 BNA_F
 ClientSampleId :
 NCC41-TOPSOIL

Tgt Ion:248 Resp: 16743
 Ion Ratio Lower Upper
 248 100
 250 201.1 78.5 117.7#
 141 505.7 59.0 88.6#

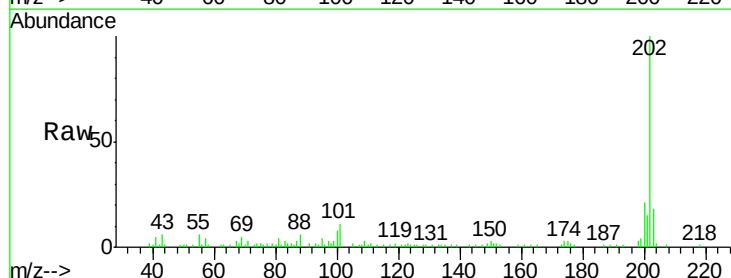


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

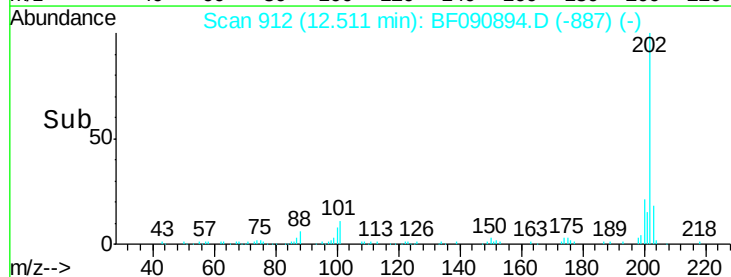
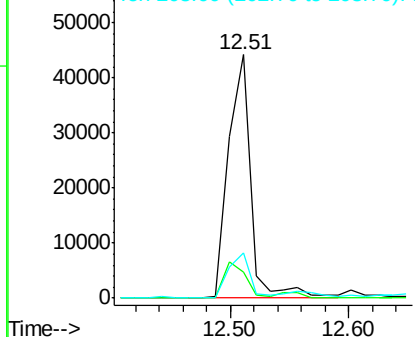


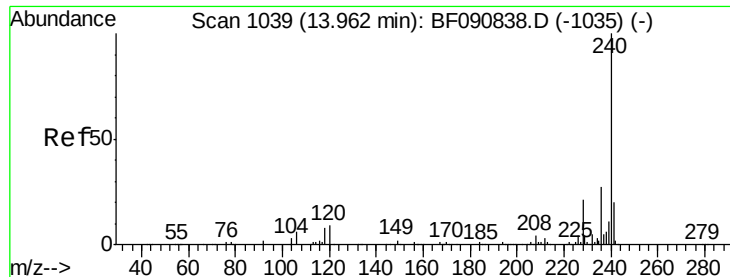
#74
 Fluoranthene
 Concen: 3.45 ng
 RT: 12.51 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BF090894.D
 Acq: 28 Oct 2016 3:52

Tgt Ion:202 Resp: 57764
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 38.3
 203 18.4 0.0 37.3



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: 13.93 min Scan# 1036

Delta R.T. -0.02 min

Lab File: BF090894.D

Acq: 28 Oct 2016 3:52

Instrument :

BNA_F

ClientSampleId :

NCC41-TOPSOIL

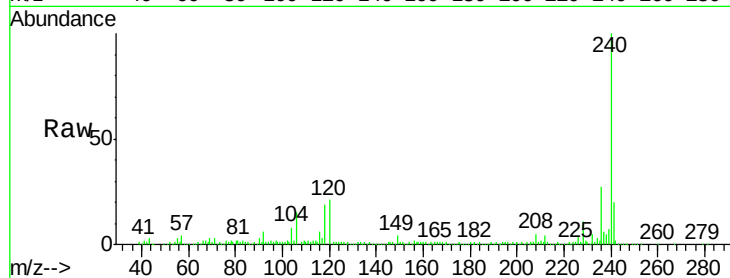
Tgt Ion:240 Resp: 314140

Ion Ratio Lower Upper

240 100

120 20.9 16.2 24.2

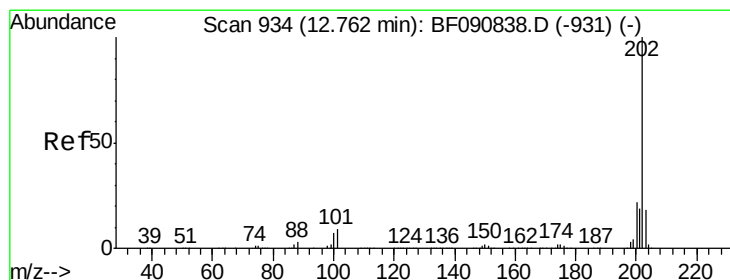
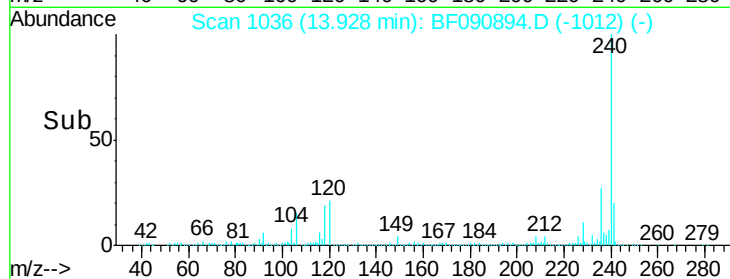
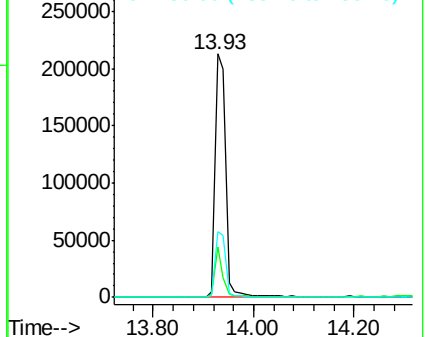
236 27.1 18.4 27.6



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



#77

Pyrene

Concen: 2.58 ng

RT: 12.74 min Scan# 932

Delta R.T. -0.01 min

Lab File: BF090894.D

Acq: 28 Oct 2016 3:52

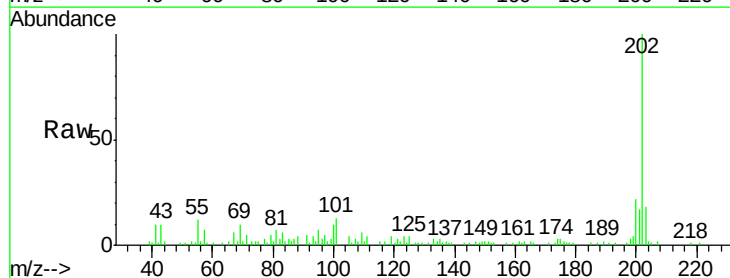
Tgt Ion:202 Resp: 51380

Ion Ratio Lower Upper

202 100

200 21.7 15.0 22.4

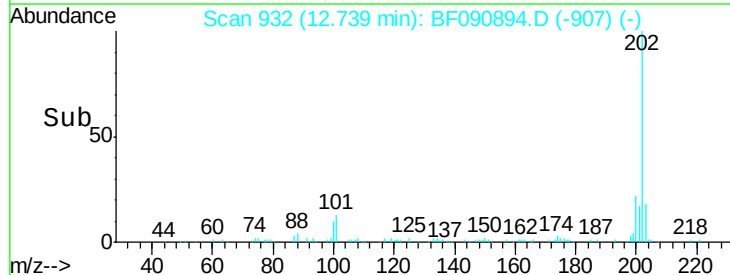
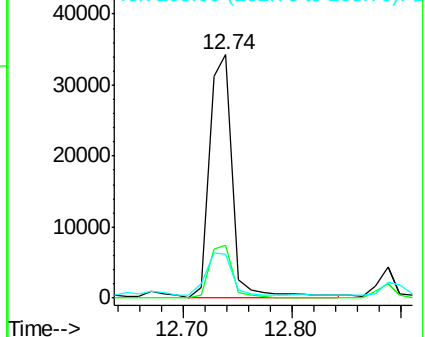
203 17.9 14.1 21.1

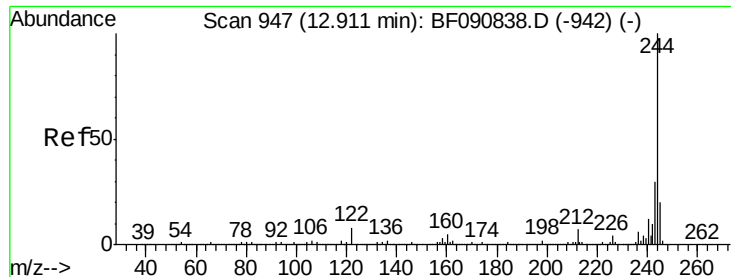


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 85.96 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF090894.D

Acq: 28 Oct 2016 3:52

Instrument :

BNA_F

ClientSampleId :

NCC41-TOPSOIL

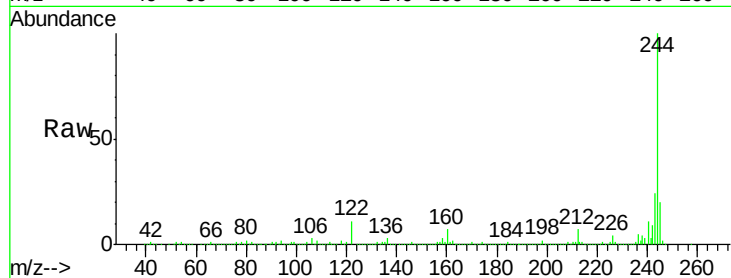
Tgt Ion:244 Resp: 1071847

Ion Ratio Lower Upper

244 100

212 7.0 4.3 6.5#

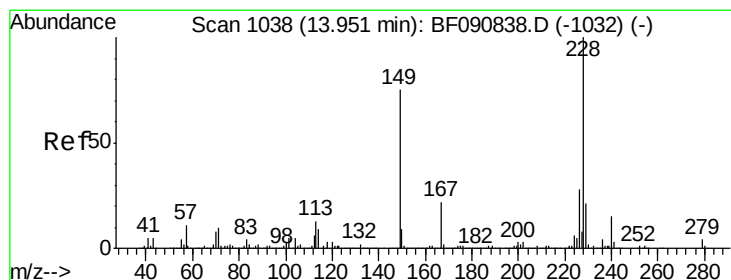
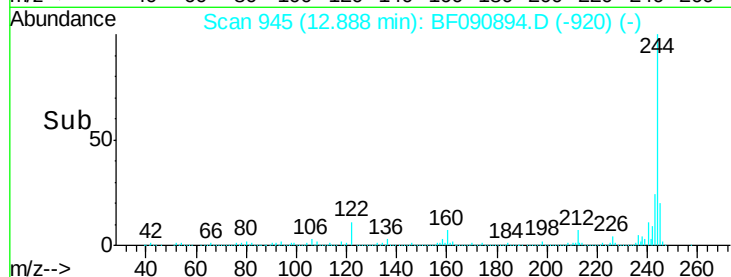
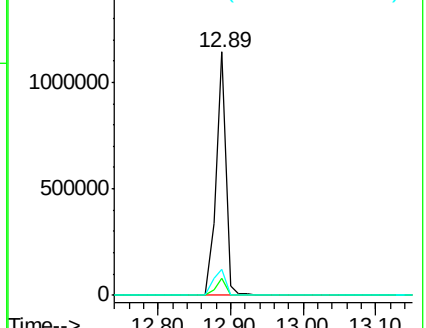
122 10.6 17.4 26.2#



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



#80

Benzo(a)anthracene

Concen: 2.17 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF090894.D

Acq: 28 Oct 2016 3:52

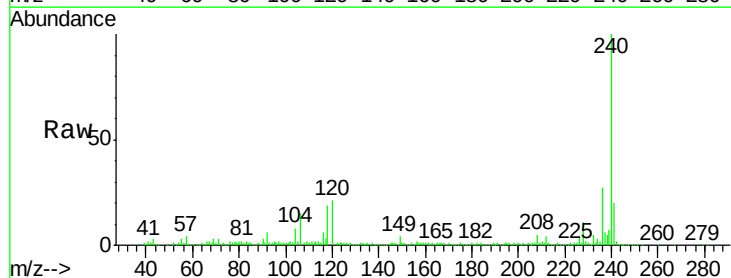
Tgt Ion:228 Resp: 36191

Ion Ratio Lower Upper

228 100

226 32.2 20.0 30.0#

229 22.7 15.4 23.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

