

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102816\
 Data File : BF090903.D
 Acq On : 28 Oct 2016 12:06
 Operator : UM/SJ
 Sample : H5436-01RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NCC41-TOPSOILRE

Quant Time: Oct 28 13:24:13 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

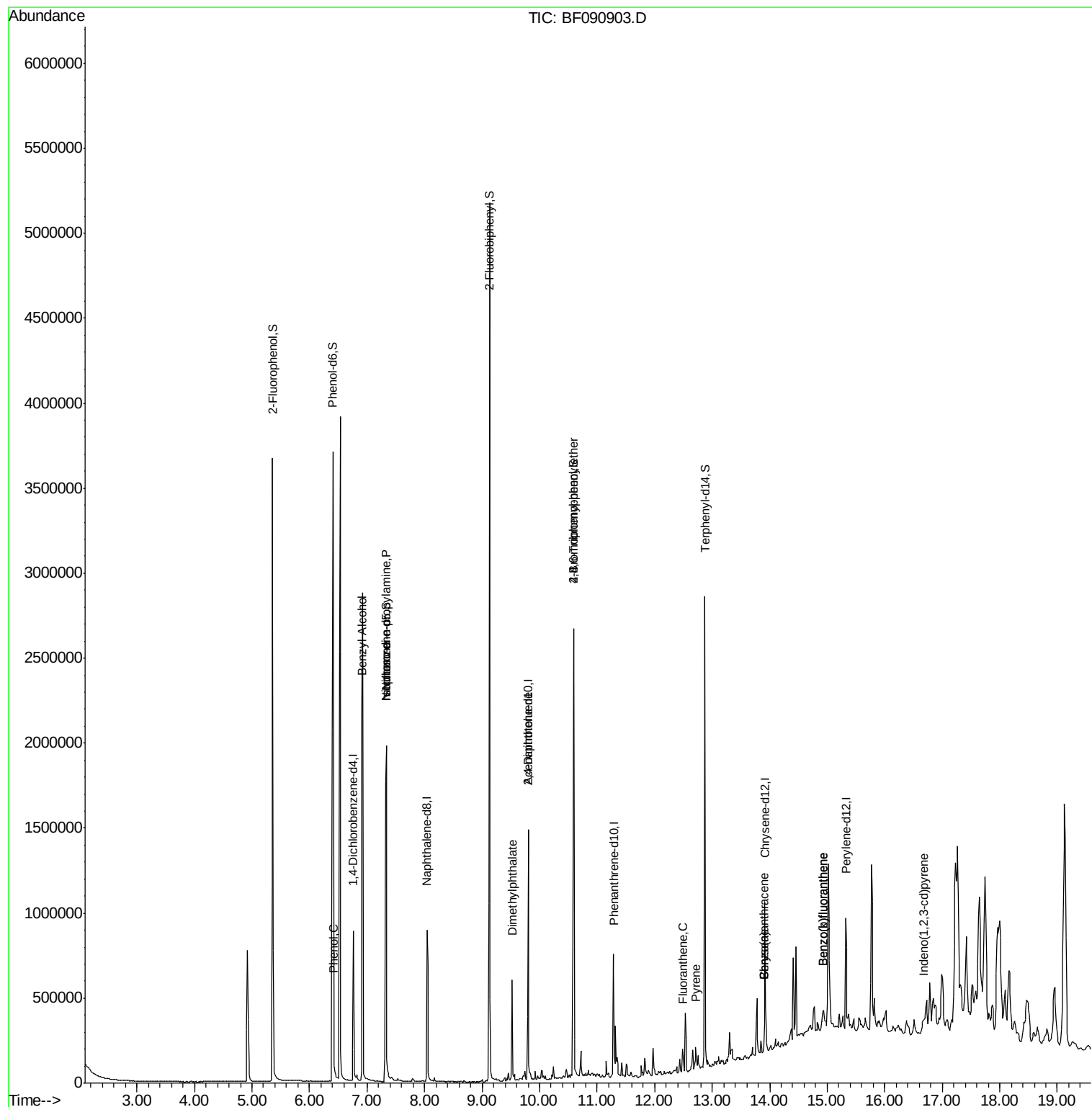
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	145034	20.00	ng	-0.01
21) Naphthalene-d8	8.04	136	583344	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	300595	20.00	ng	-0.02
63) Phenanthrene-d10	11.29	188	381633	20.00	ng	-0.02
75) Chrysene-d12	13.92	240	279221	20.00	ng	-0.03
86) Perylene-d12	15.32	264	321565	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1169864	141.03	ng	-0.01
7) Phenol-d6	6.41	99	1656114	147.98	ng	-0.01
23) Nitrobenzene-d5	7.33	82	1076326	120.79	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	307433	99.52	ng	-0.02
44) 2-Fluorobiphenyl	9.13	172	1548635	90.47	ng	-0.02
78) Terphenyl-d14	12.88	244	1130944	102.04	ng	-0.02
Target Compounds						
10) Phenol	6.42	94	50799	4.12	ng	Qvalue 72
15) Benzyl Alcohol	6.91	79	19117	2.60	ng	# 33
19) n-Nitroso-di-n-propylamine	7.33	70	146554	22.65	ng	# 49
25) Isophorone	7.33	82	1013829	56.06	ng	# 58
49) Dimethylphthalate	9.53	163	340230	16.94	ng	# 96
56) 2,4-Dinitrotoluene	9.80	165	38509	6.99	ng	# 33
66) 4-Bromophenyl-phenylether	10.59	248	22491	5.38	ng	# 1
74) Fluoranthene	12.49	202	60987	2.87	ng	96
77) Pyrene	12.72	202	53395	3.02	ng	95
80) Benzo(a)anthracene	13.91	228	35071	2.37	ng	94
82) Chrysene	13.91	228	35071	2.34	ng	95
85) Indeno(1,2,3-cd)pyrene	16.67	276	27658	2.08	ng	# 93
87) Benzo(b)fluoranthene	14.93	252	69773	3.23	ng	98
88) Benzo(k)fluoranthene	14.93	252	69773	4.08	ng	95

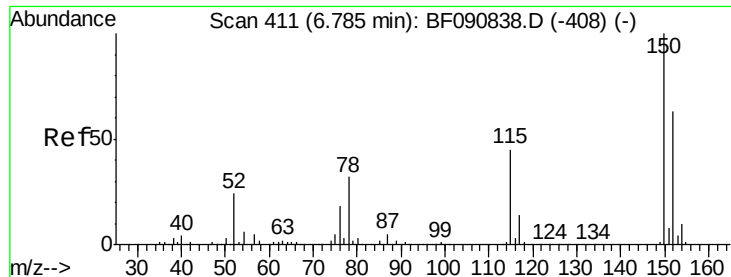
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102816\
Data File : BF090903.D
Acq On : 28 Oct 2016 12:06
Operator : UM/SJ
Sample : H5436-01RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NCC41-TOPSOILRE

Quant Time: Oct 28 13:24:13 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: 6.76 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF090903.D

Acq: 28 Oct 2016 12:06

Instrument :

BNA_F

ClientSampleId :

NCC41-TOPSOILRE

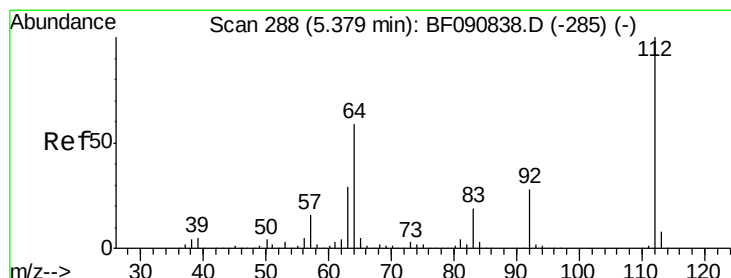
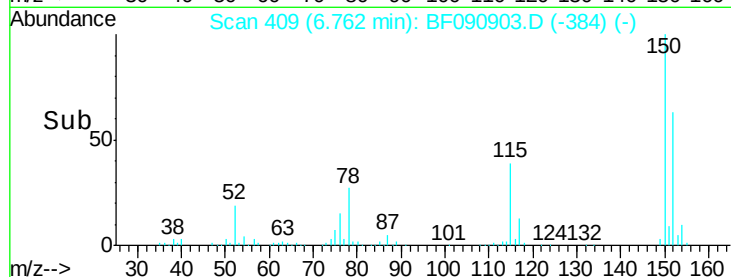
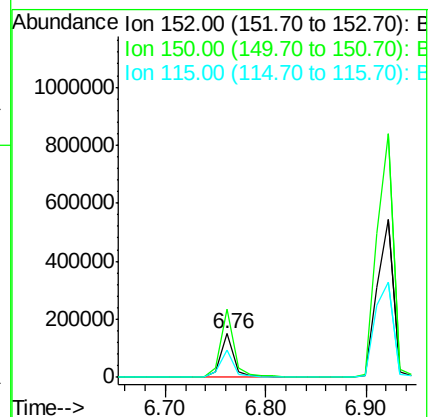
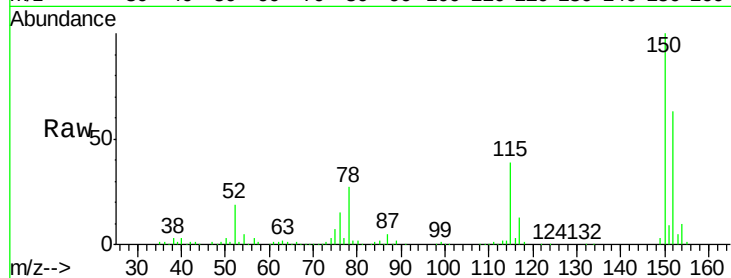
Tgt Ion:152 Resp: 145034

Ion Ratio Lower Upper

152 100

150 157.9 124.7 187.1

115 61.7 39.0 58.4#



#5

2-Fluorophenol

Concen: 141.03 ng

RT: 5.36 min Scan# 286

Delta R.T. -0.01 min

Lab File: BF090903.D

Acq: 28 Oct 2016 12:06

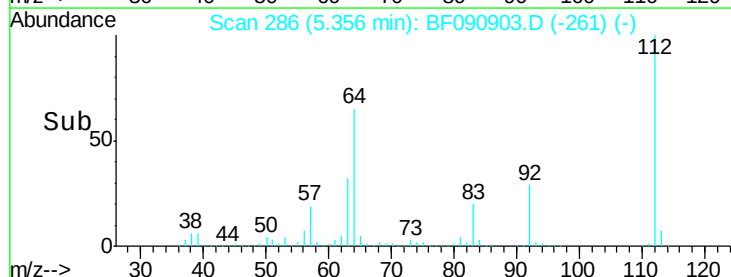
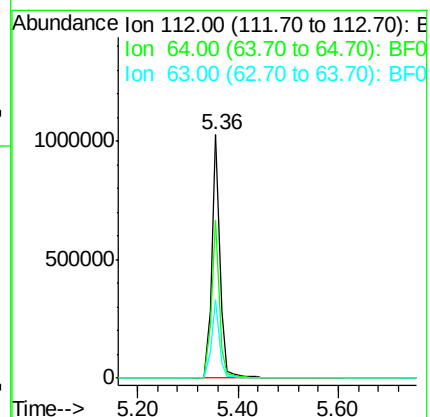
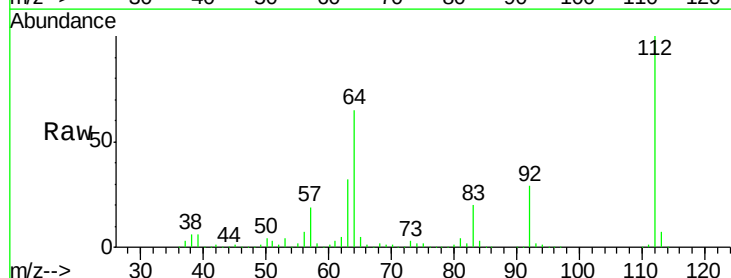
Tgt Ion:112 Resp: 1169864

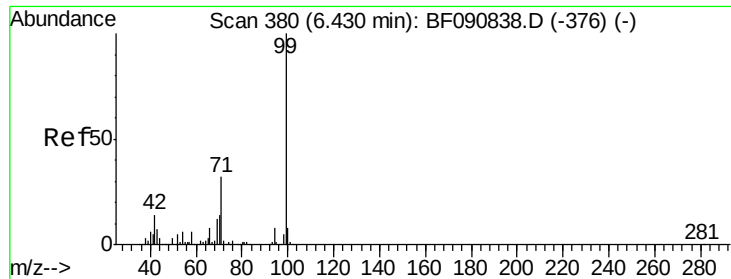
Ion Ratio Lower Upper

112 100

64 64.7 39.7 59.5#

63 32.2 17.4 26.0#





#7

Phenol-d6

Concen: 147.98 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF090903.D

Acq: 28 Oct 2016 12:06

Instrument :

BNA_F

ClientSampleId :

NCC41-TOPSOILRE

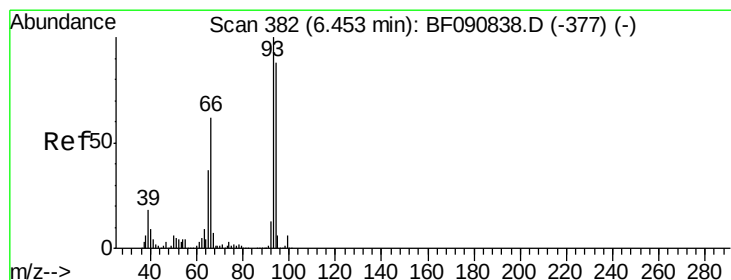
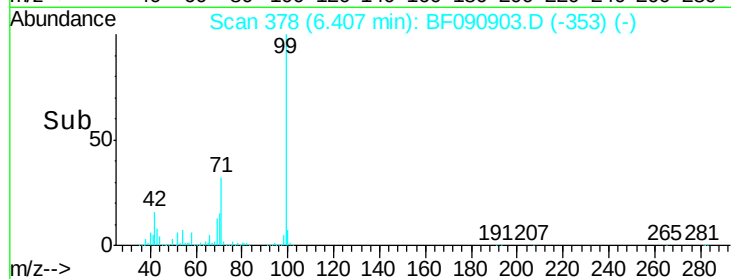
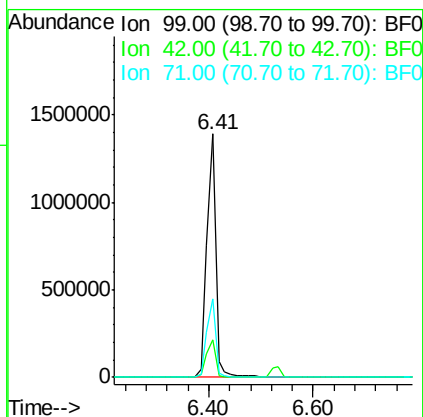
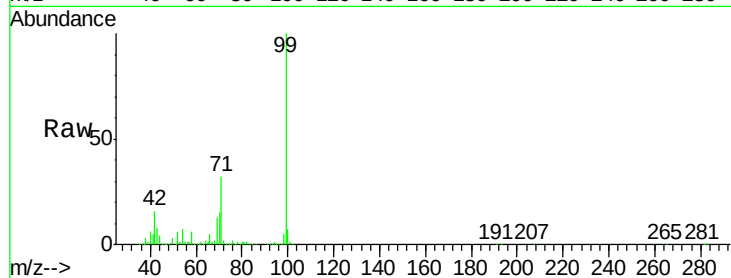
Tgt Ion: 99 Resp: 1656114

Ion Ratio Lower Upper

99 100

42 15.6 13.7 20.5

71 32.5 14.2 21.2#



#10

Phenol

Concen: 4.12 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.02 min

Lab File: BF090903.D

Acq: 28 Oct 2016 12:06

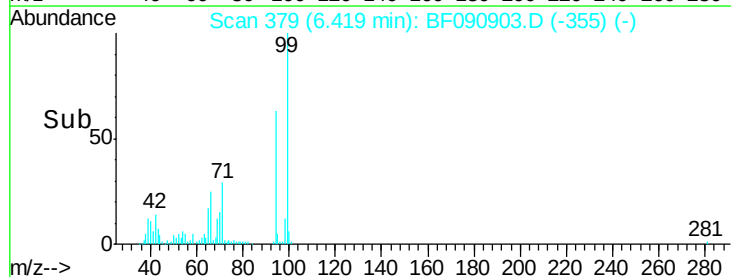
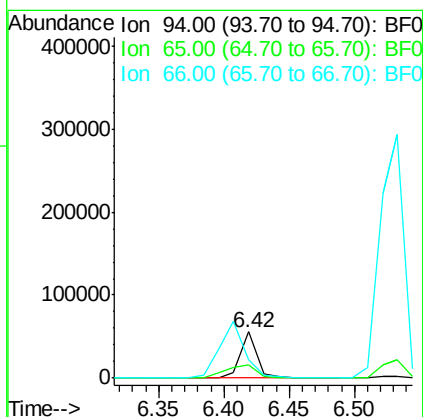
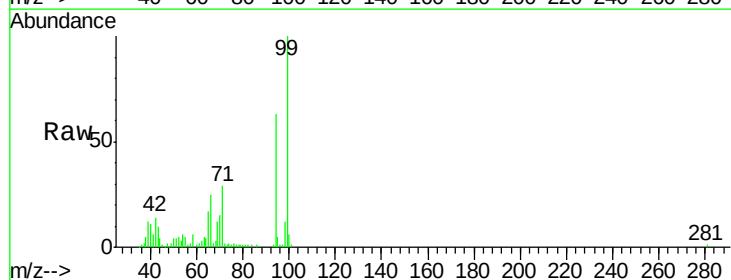
Tgt Ion: 94 Resp: 50799

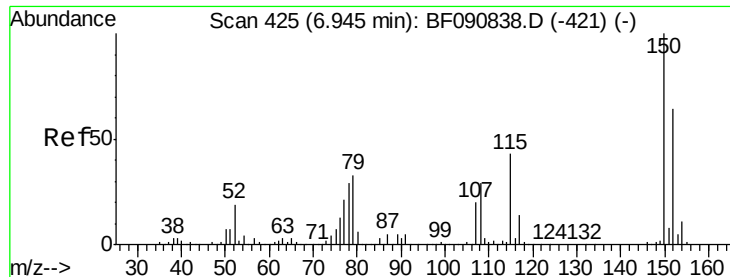
Ion Ratio Lower Upper

94 100

65 27.4 0.7 40.7

66 39.8 0.8 40.8

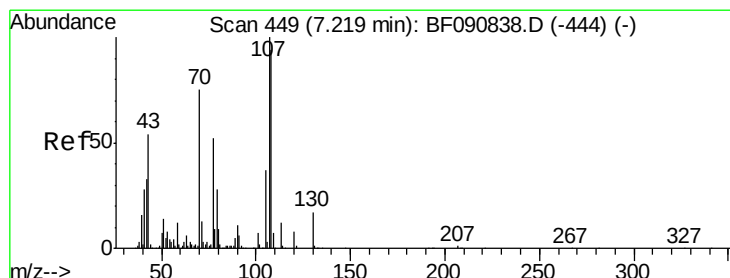
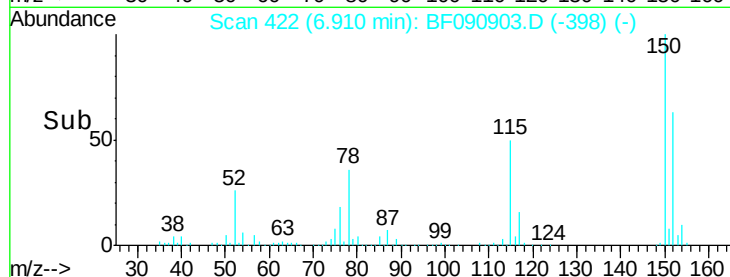
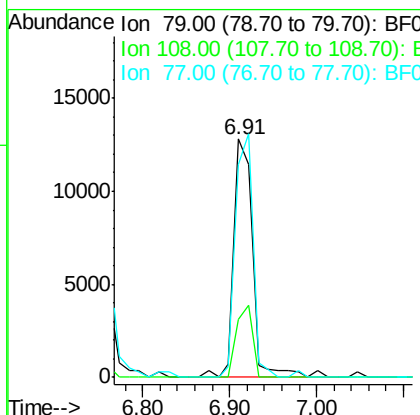
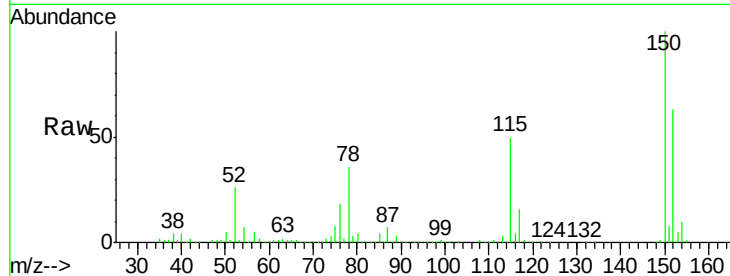




#15
Benzyl Alcohol
Concen: 2.60 ng
RT: 6.91 min Scan# 422
Delta R.T. -0.02 min
Lab File: BF090903.D
Acq: 28 Oct 2016 12:06

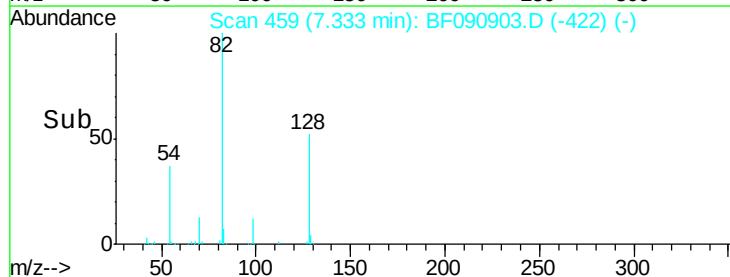
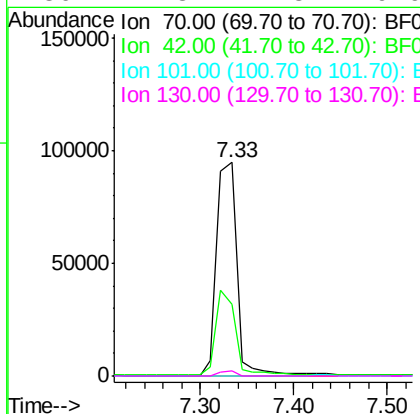
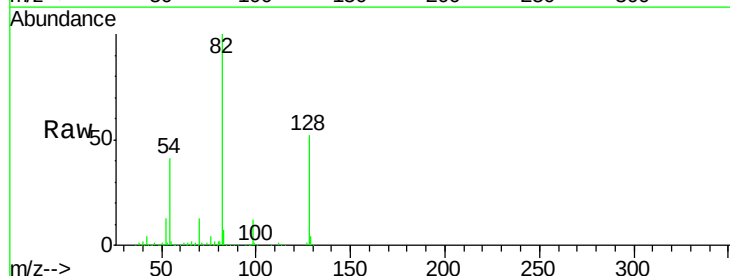
Instrument :
BNA_F
ClientSampleId :
NCC41-TOPSOILRE

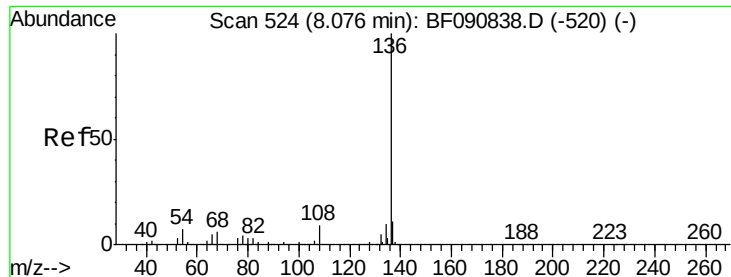
Tgt Ion: 79 Resp: 19117
Ion Ratio Lower Upper
79 100
108 24.3 88.6 132.8#
77 89.3 47.0 70.4#



#19
n-Nitroso-di-n-propylamine
Concen: 22.65 ng
RT: 7.33 min Scan# 459
Delta R.T. 0.13 min
Lab File: BF090903.D
Acq: 28 Oct 2016 12:06

Tgt Ion: 70 Resp: 146554
Ion Ratio Lower Upper
70 100
42 33.7 63.8 95.6#
101 0.0 9.2 13.8#
130 2.3 27.3 40.9#

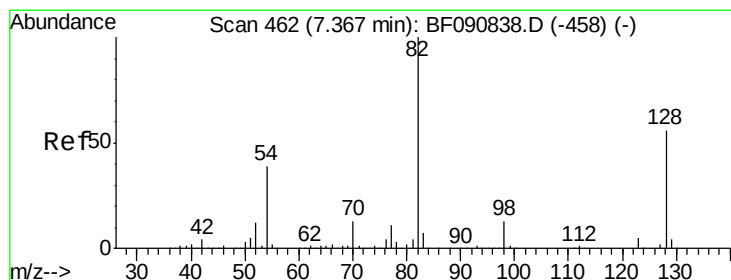
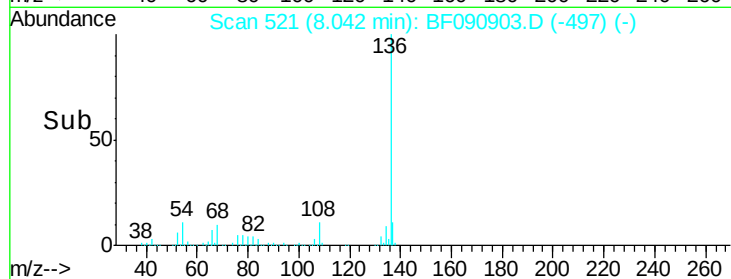
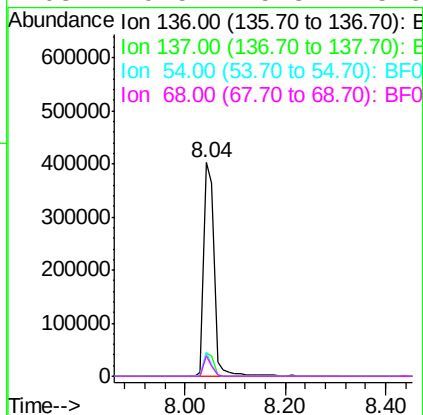
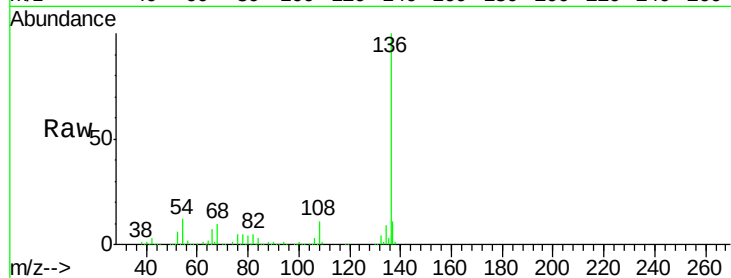




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.04 min Scan# 521
Delta R.T. -0.02 min
Lab File: BF090903.D
Acq: 28 Oct 2016 12:06

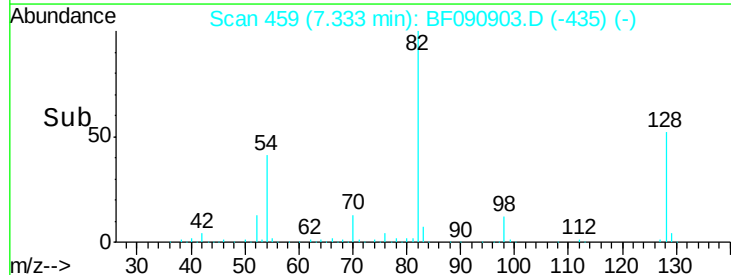
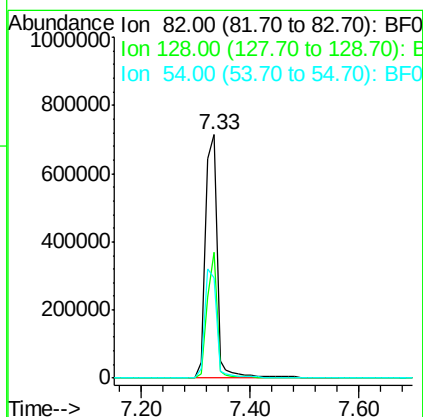
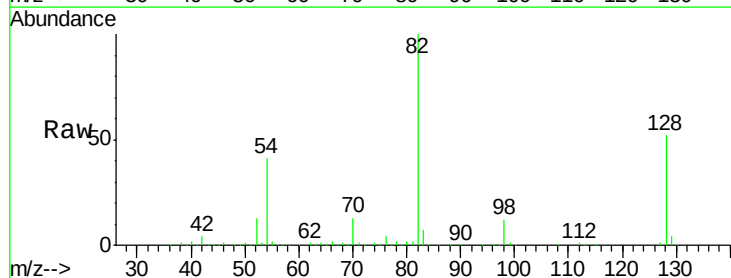
Instrument :
BNA_F
ClientSampleId :
NCC41-TOPSOILRE

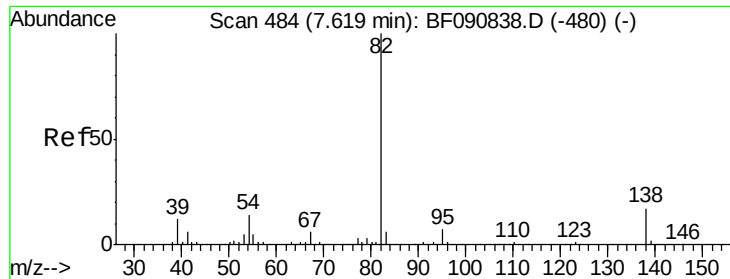
Tgt Ion:	136	Resp:	583344
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.6
54	11.6	8.2	12.2
68	9.5	5.8	8.6#



#23
Nitrobenzene-d5
Concen: 120.79 ng
RT: 7.33 min Scan# 459
Delta R.T. -0.02 min
Lab File: BF090903.D
Acq: 28 Oct 2016 12:06

Tgt Ion:	82	Resp:	1076326
Ion	Ratio	Lower	Upper
82	100		
128	51.6	51.0	76.6
54	41.4	47.5	71.3#





#25

Isophorone

Concen: 56.06 ng

RT: 7.33 min Scan# 459

Delta R.T. -0.27 min

Lab File: BF090903.D

Acq: 28 Oct 2016 12:06

Instrument :

BNA_F

ClientSampleId :

NCC41-TOPSOILRE

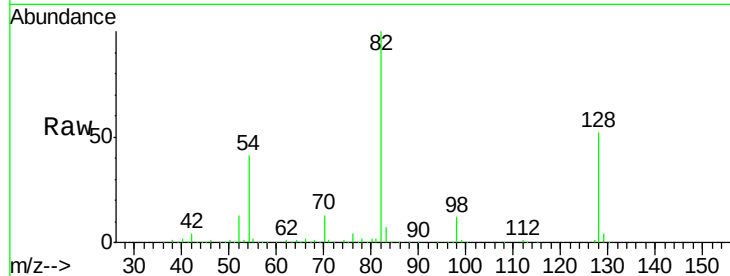
Tgt Ion: 82 Resp: 1013829

Ion Ratio Lower Upper

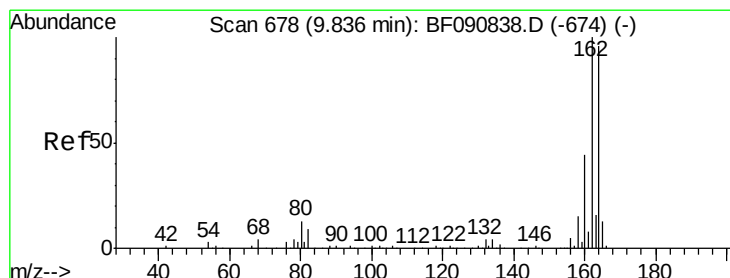
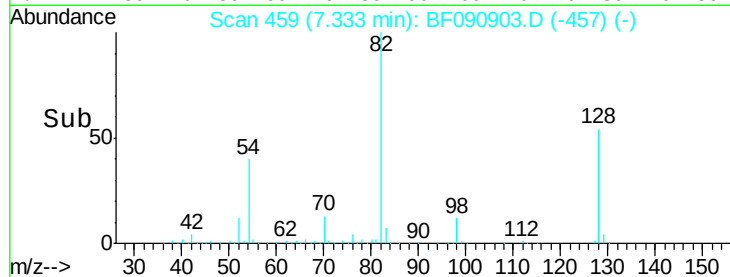
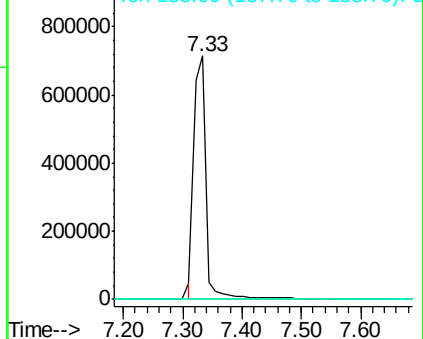
82 100

95 0.0 4.0 6.0#

138 0.0 18.3 27.5#



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: 9.80 min Scan# 675

Delta R.T. -0.02 min

Lab File: BF090903.D

Acq: 28 Oct 2016 12:06

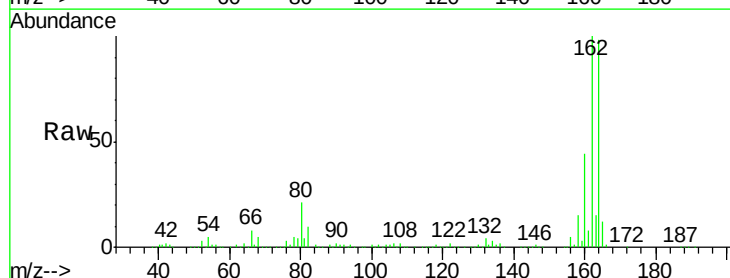
Tgt Ion: 164 Resp: 300595

Ion Ratio Lower Upper

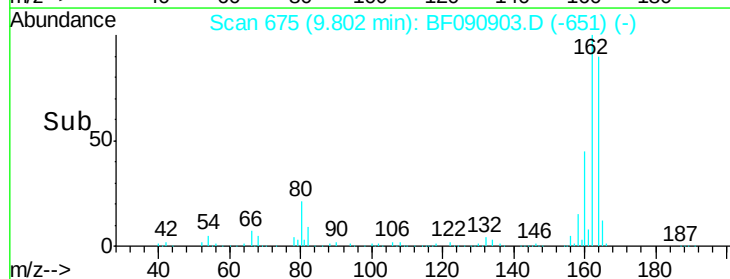
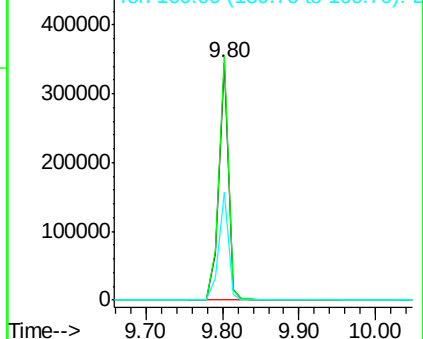
164 100

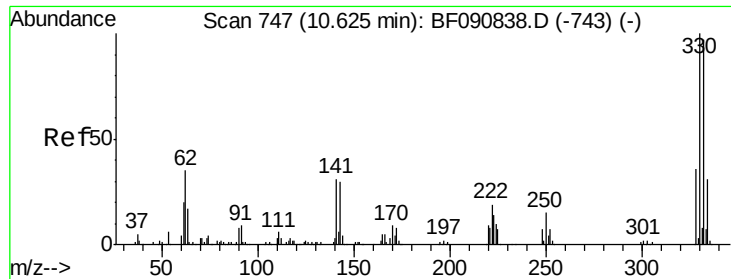
162 102.6 75.2 112.8

160 45.5 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

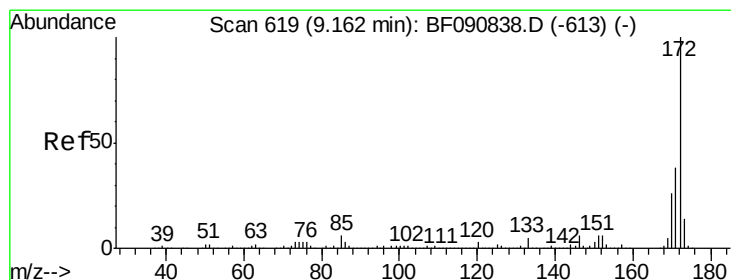
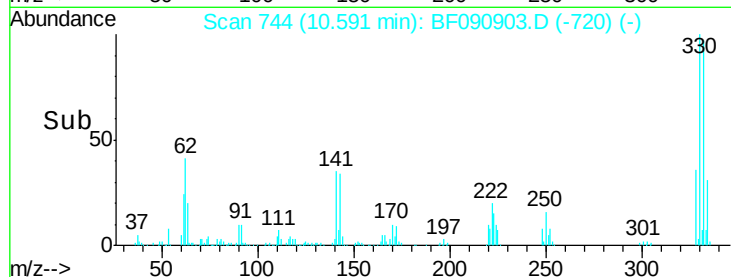
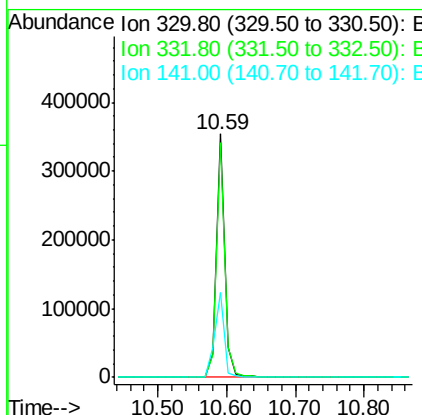
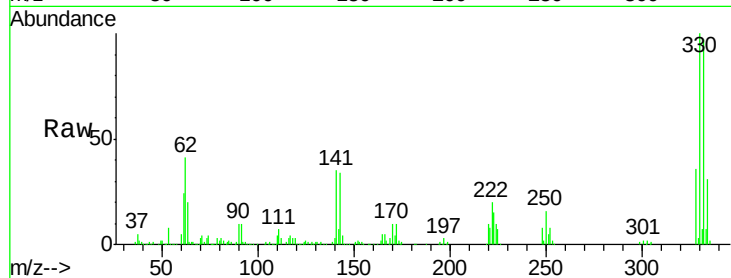




#41
 2,4,6-Tribromophenol
 Concen: 99.52 ng
 RT: 10.59 min Scan# 744
 Delta R.T. -0.02 min
 Lab File: BF090903.D
 Acq: 28 Oct 2016 12:06

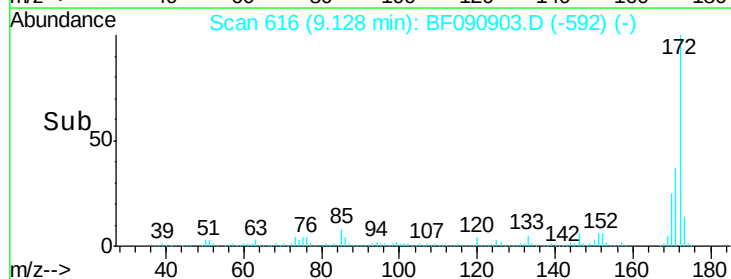
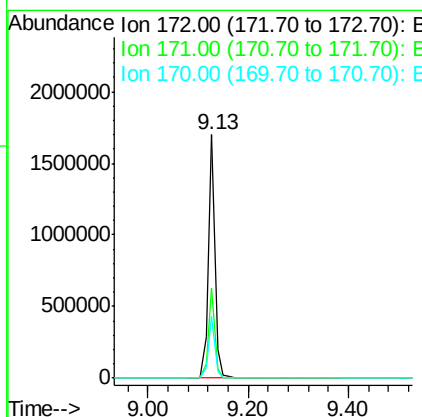
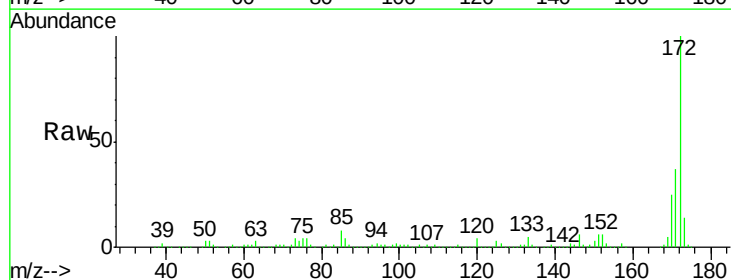
Instrument :
 BNA_F
 ClientSampleId :
 NCC41-TOPSOILRE

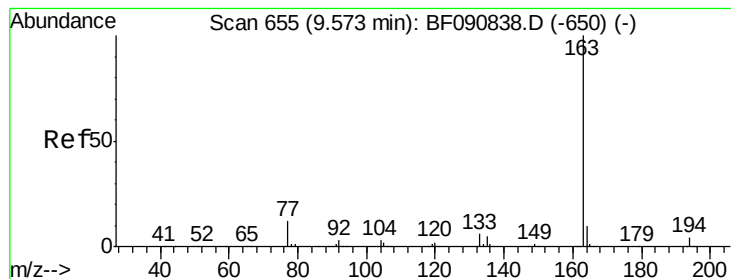
Tgt Ion:330 Resp: 307433
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.6 114.8
 141 40.5 29.7 44.5



#44
 2-Fluorobiphenyl
 Concen: 90.47 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.02 min
 Lab File: BF090903.D
 Acq: 28 Oct 2016 12:06

Tgt Ion:172 Resp: 1548635
 Ion Ratio Lower Upper
 172 100
 171 37.0 26.1 39.1
 170 25.3 17.4 26.2





#49

Dimethylphthalate

Concen: 16.94 ng

RT: 9.53 min Scan# 651

Delta R.T. -0.03 min

Lab File: BF090903.D

Acq: 28 Oct 2016 12:06

Instrument :

BNA_F

ClientSampleId :

NCC41-TOPSOILRE

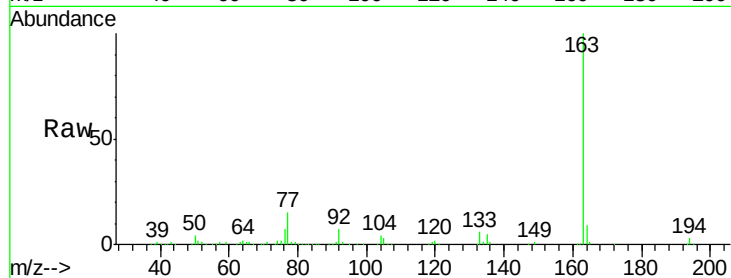
Tgt Ion:163 Resp: 340230

Ion Ratio Lower Upper

163 100

194 3.5 4.4 6.6#

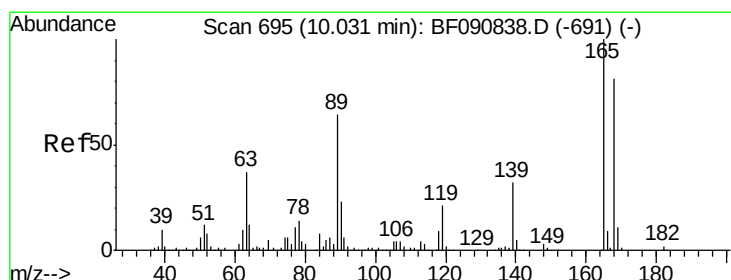
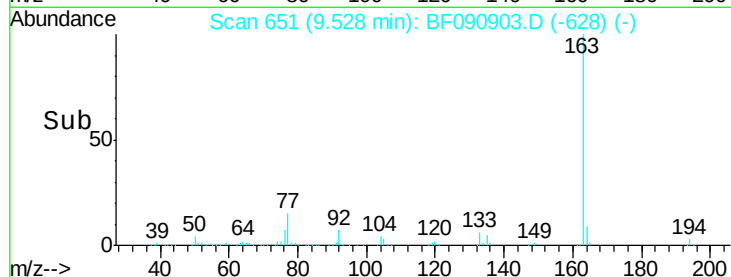
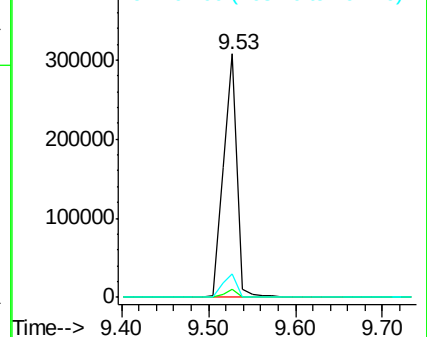
164 9.4 8.3 12.5



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: 6.99 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.22 min

Lab File: BF090903.D

Acq: 28 Oct 2016 12:06

Tgt Ion:165 Resp: 38509

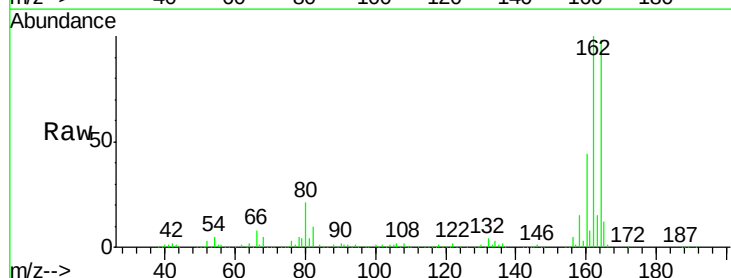
Ion Ratio Lower Upper

165 100

63 1.2 29.8 44.6#

89 1.1 44.5 66.7#

182 0.0 3.0 4.4#

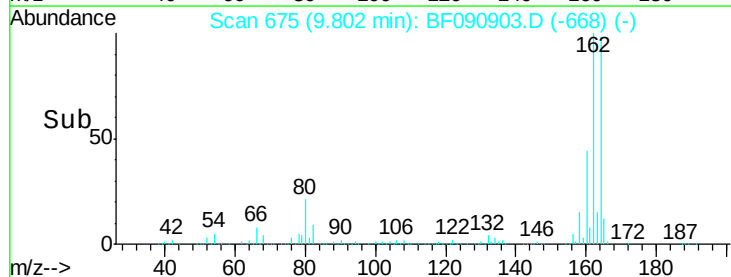
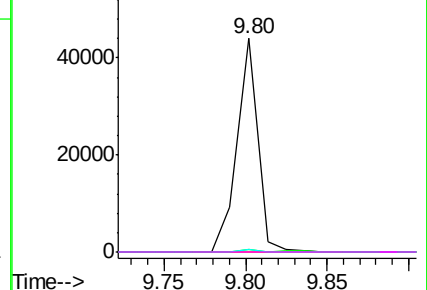


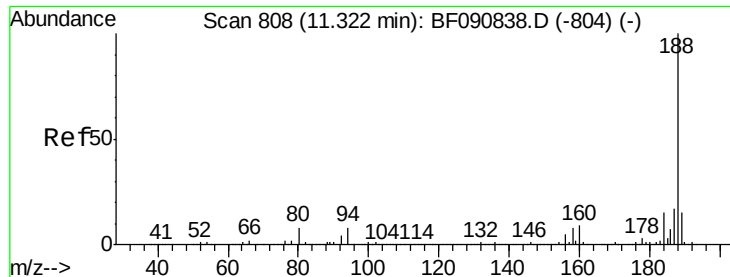
Abundance Ion 165.00 (164.70 to 165.70): E

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

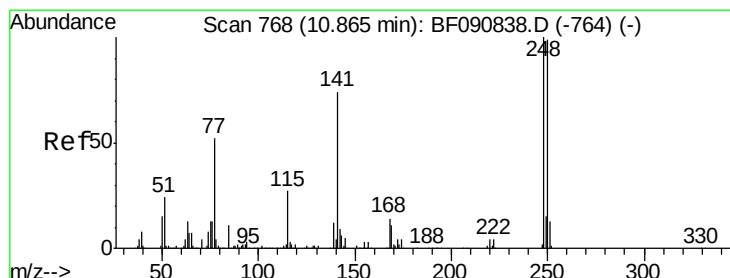
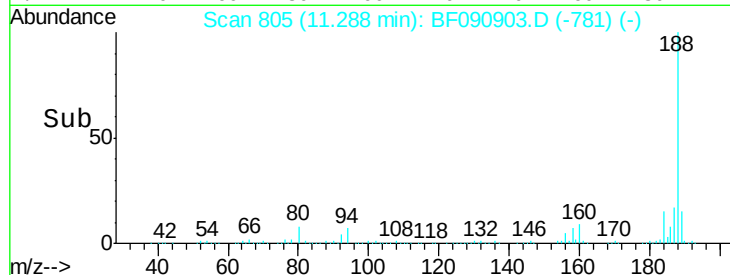
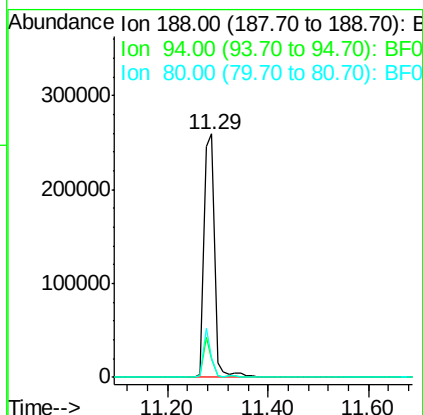
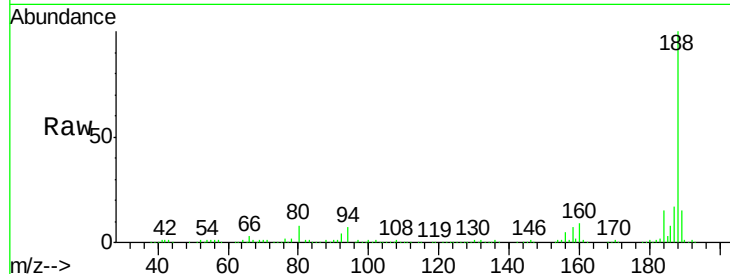




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.02 min
Lab File: BF090903.D
Acq: 28 Oct 2016 12:06

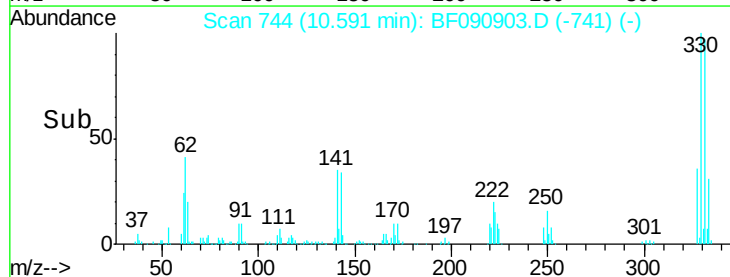
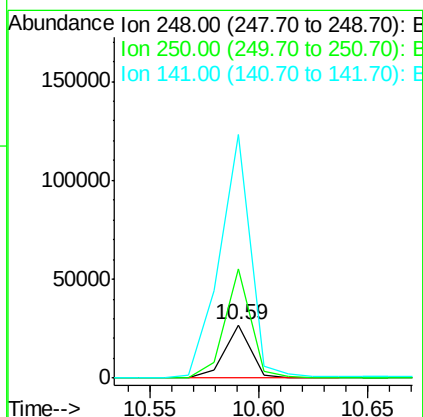
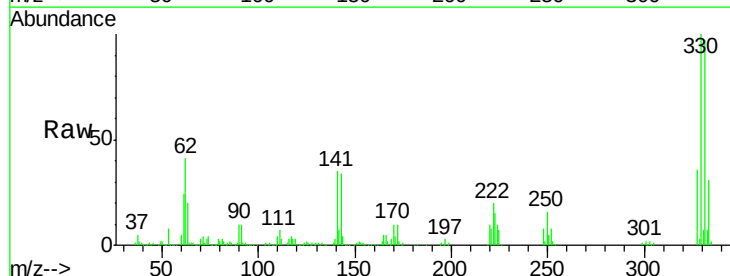
Instrument :
BNA_F
ClientSampleId :
NCC41-TOPSOILRE

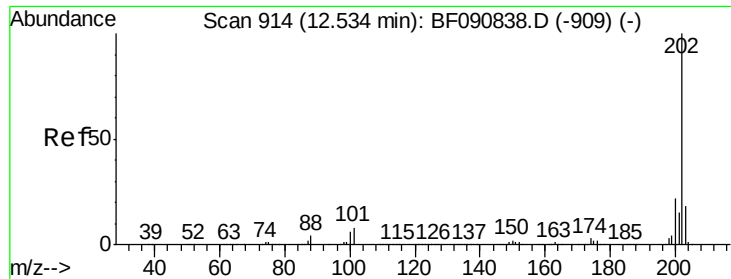
Tgt Ion:188 Resp: 381633
Ion Ratio Lower Upper
188 100
94 7.4 11.1 16.7#
80 7.9 11.0 16.4#



#66
4-Bromophenyl-phenylether
Concen: 5.38 ng
RT: 10.59 min Scan# 744
Delta R.T. -0.26 min
Lab File: BF090903.D
Acq: 28 Oct 2016 12:06

Tgt Ion:248 Resp: 22491
Ion Ratio Lower Upper
248 100
250 204.9 78.5 117.7#
141 458.8 59.0 88.6#

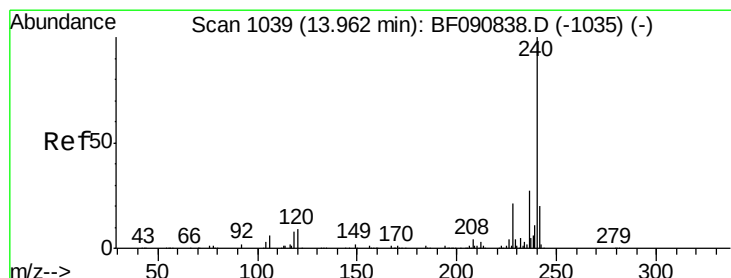
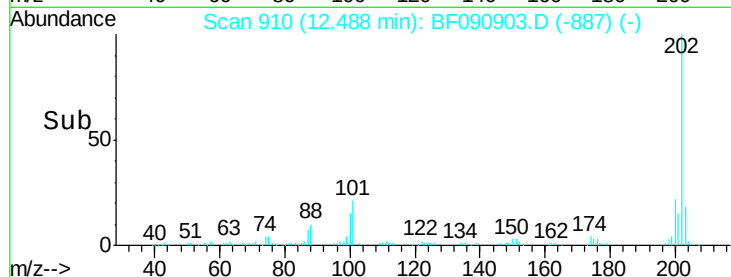
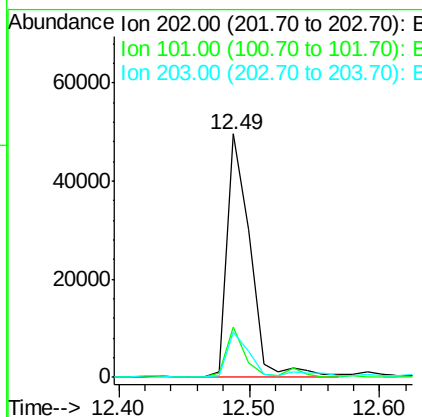
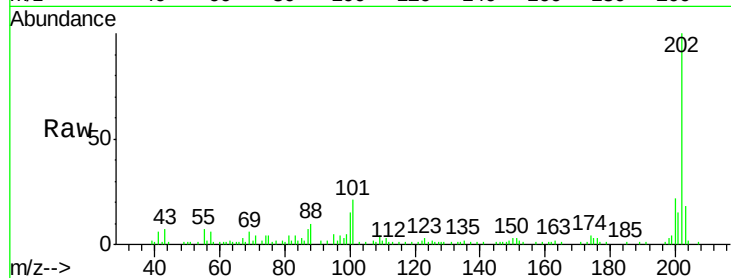




#74
Fluoranthene
Concen: 2.87 ng
RT: 12.49 min Scan# 910
Delta R.T. -0.03 min
Lab File: BF090903.D
Acq: 28 Oct 2016 12:06

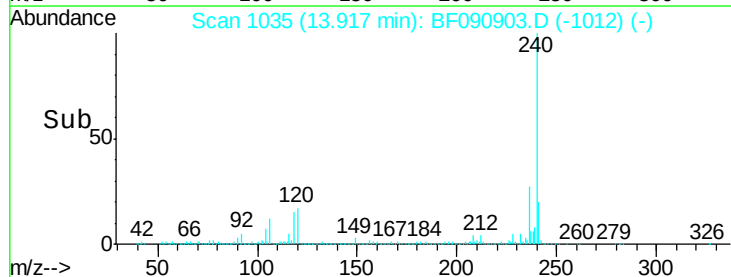
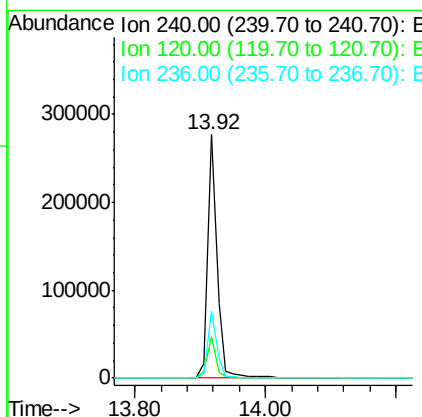
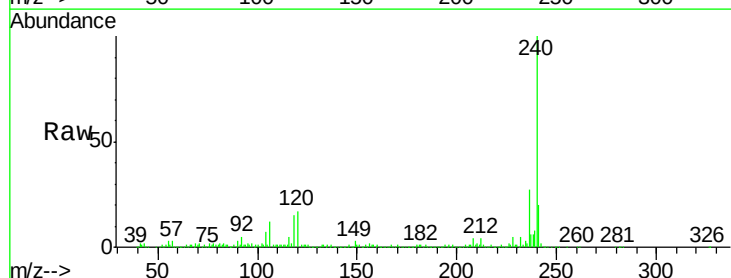
Instrument :
BNA_F
ClientSampleId :
NCC41-TOPSOILRE

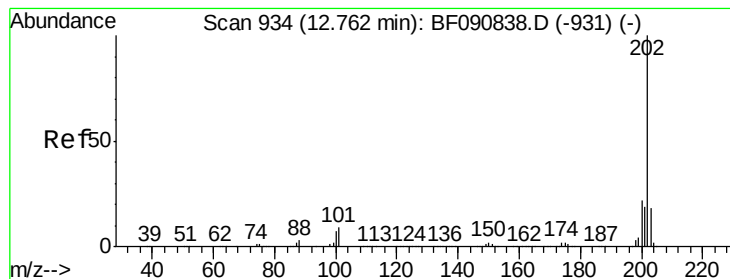
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	60987		
101	20.9		0.0	38.3
203	18.4		0.0	37.3



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.92 min Scan# 1035
Delta R.T. -0.03 min
Lab File: BF090903.D
Acq: 28 Oct 2016 12:06

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	279221		
120	17.1		16.2	24.2
236	27.4		18.4	27.6





#77

Pyrene

Concen: 3.02 ng

RT: 12.72 min Scan# 930

Delta R.T. -0.03 min

Lab File: BF090903.D

Acq: 28 Oct 2016 12:06

Instrument :

BNA_F

ClientSampleId :

NCC41-TOPSOILRE

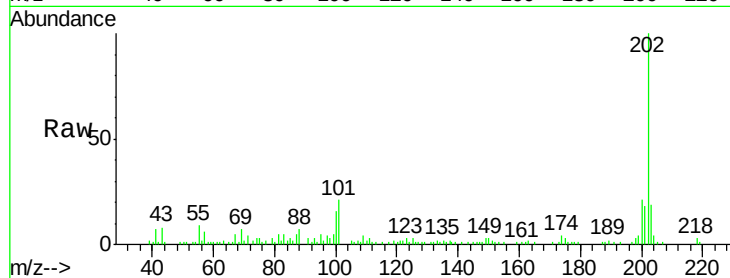
Tgt Ion:202 Resp: 53395

Ion Ratio Lower Upper

202 100

200 21.3 15.0 22.4

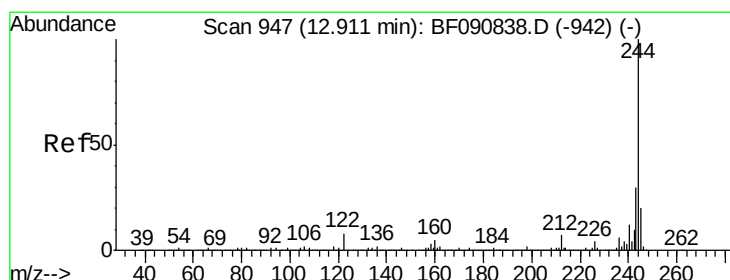
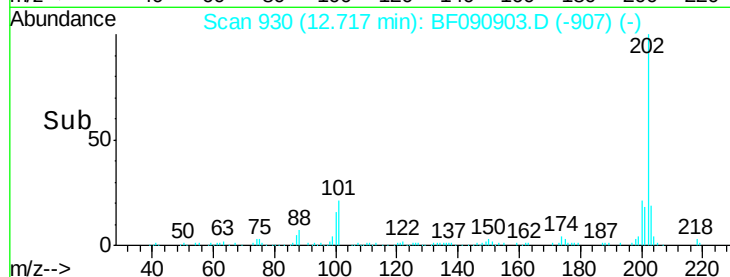
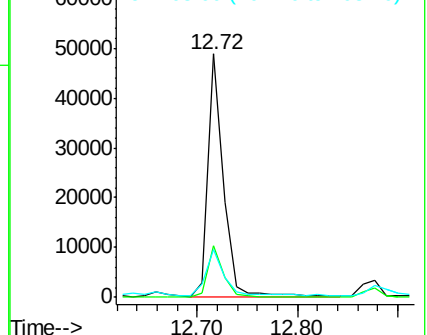
203 19.4 14.1 21.1



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: 102.04 ng

RT: 12.88 min Scan# 944

Delta R.T. -0.02 min

Lab File: BF090903.D

Acq: 28 Oct 2016 12:06

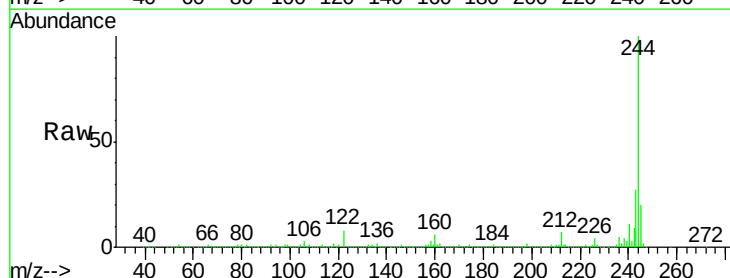
Tgt Ion:244 Resp: 1130944

Ion Ratio Lower Upper

244 100

212 6.6 4.3 6.5#

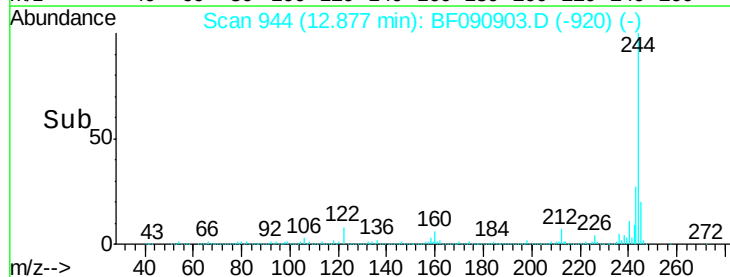
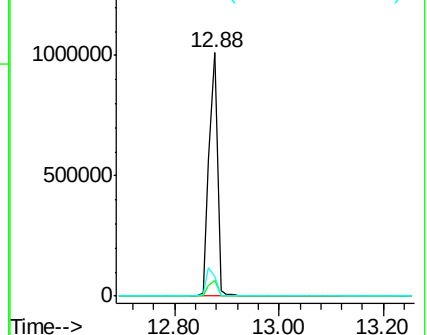
122 8.0 17.4 26.2#

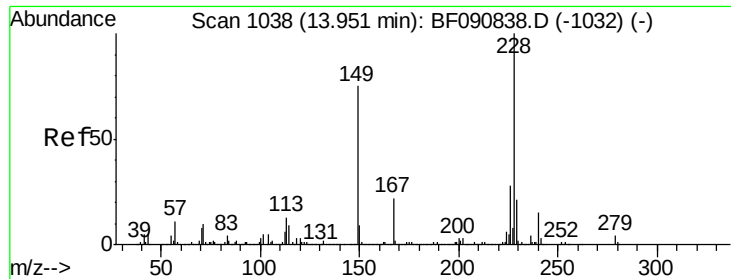


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.37 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.03 min

Lab File: BF090903.D

Acq: 28 Oct 2016 12:06

Instrument :

BNA_F

ClientSampleId :

NCC41-TOPSOILRE

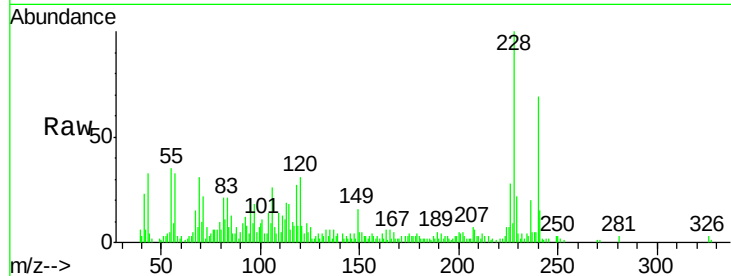
Tgt Ion:228 Resp: 35071

Ion Ratio Lower Upper

228 100

226 28.2 20.0 30.0

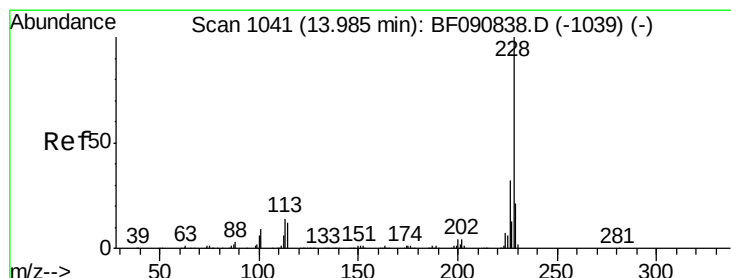
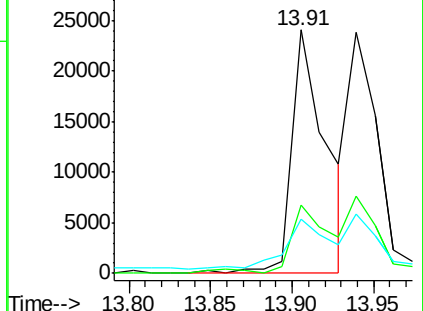
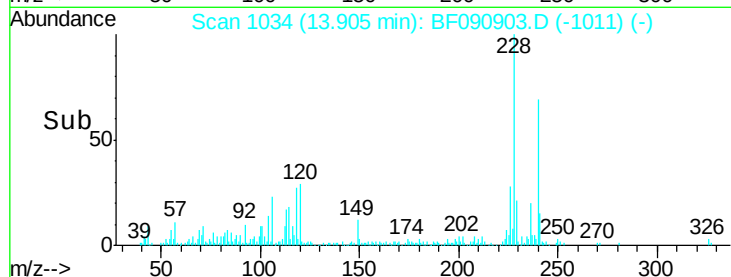
229 22.1 15.4 23.2



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



#82

Chrysene

Concen: 2.34 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.07 min

Lab File: BF090903.D

Acq: 28 Oct 2016 12:06

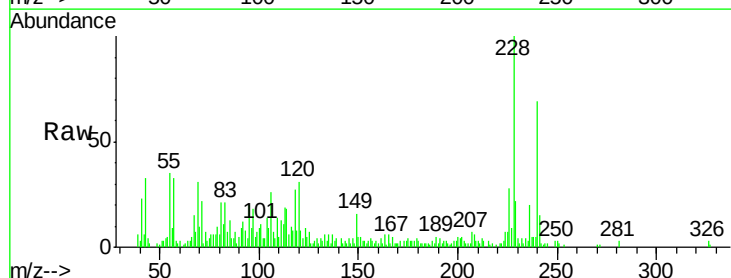
Tgt Ion:228 Resp: 35071

Ion Ratio Lower Upper

228 100

226 28.2 21.0 31.4

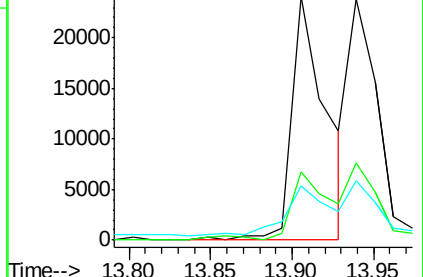
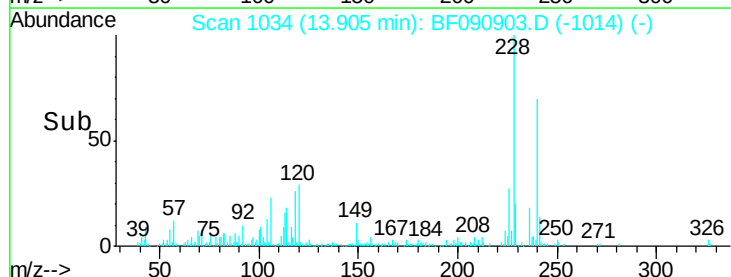
229 22.1 15.6 23.4

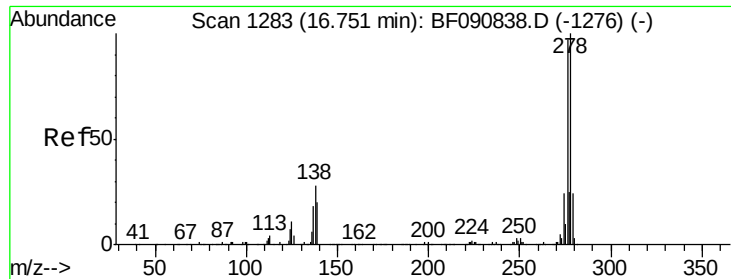


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

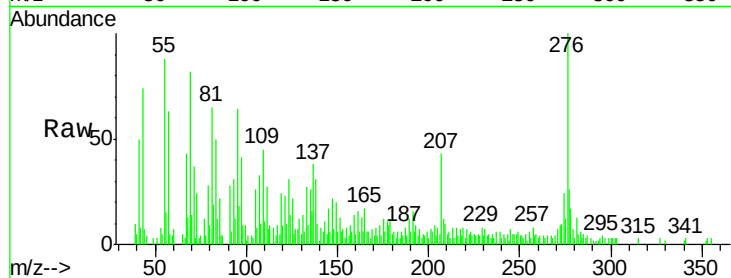




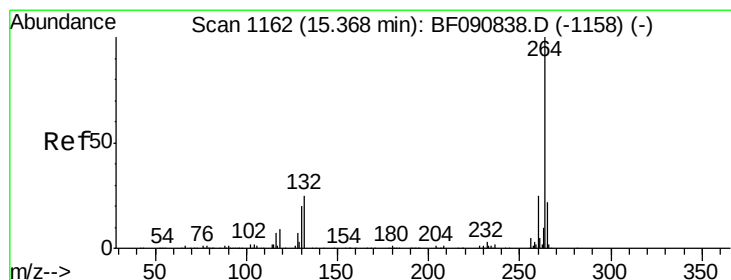
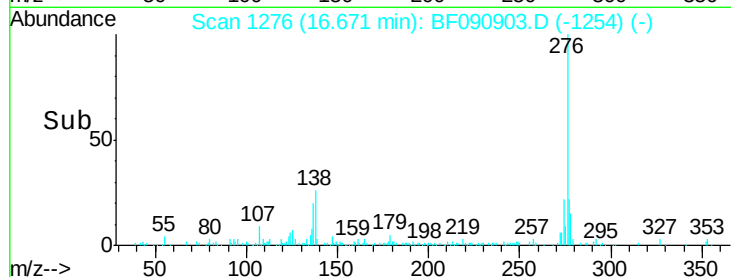
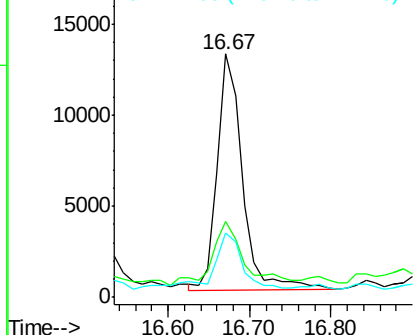
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.08 ng
 RT: 16.67 min Scan# 1276
 Delta R.T. -0.05 min
 Lab File: BF090903.D
 Acq: 28 Oct 2016 12:06

Instrument :
 BNA_F
 ClientSampleId :
 NCC41-TOPSOILRE

Tgt Ion:276 Resp: 27658
 Ion Ratio Lower Upper
 276 100
 138 33.9 25.7 38.5
 277 25.9 15.6 23.4#

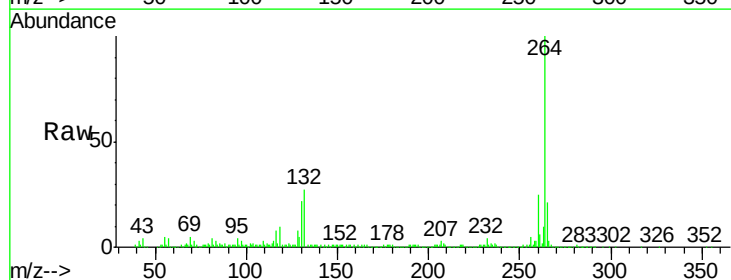


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

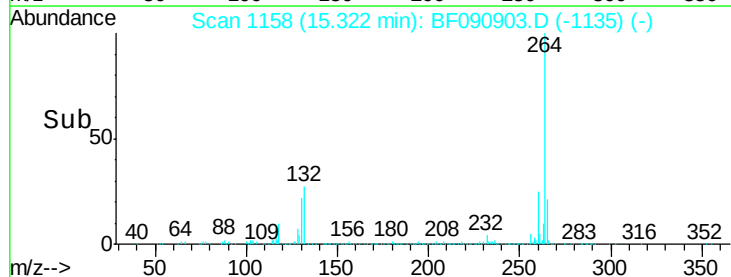
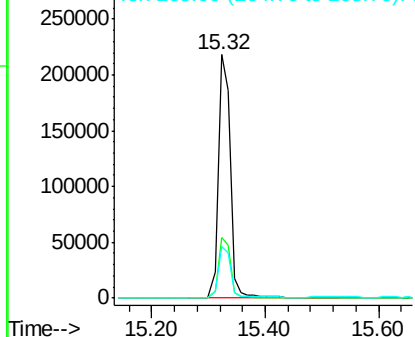


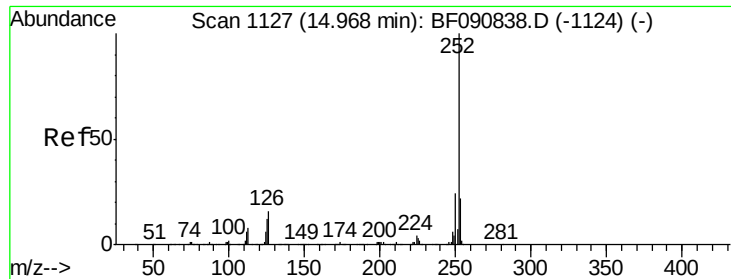
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.32 min Scan# 1158
 Delta R.T. -0.03 min
 Lab File: BF090903.D
 Acq: 28 Oct 2016 12:06

Tgt Ion:264 Resp: 321565
 Ion Ratio Lower Upper
 264 100
 260 25.0 16.7 25.1
 265 21.4 17.2 25.8



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





#87

Benzo(b)fluoranthene

Concen: 3.23 ng

RT: 14.93 min Scan# 1124

Delta R.T. -0.02 min

Lab File: BF090903.D

Acq: 28 Oct 2016 12:06

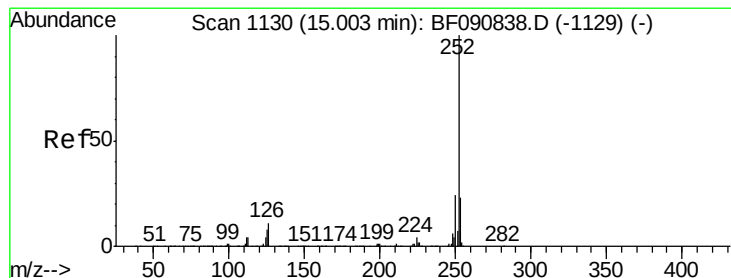
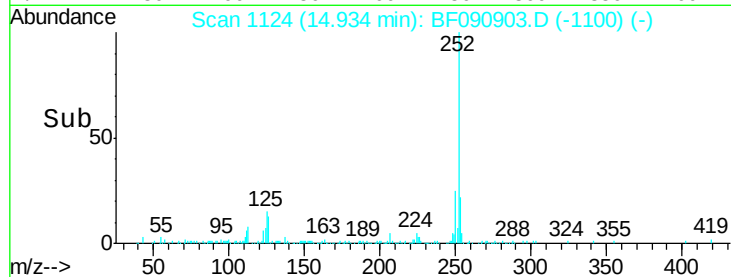
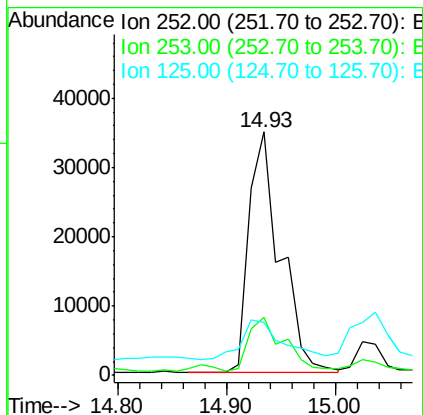
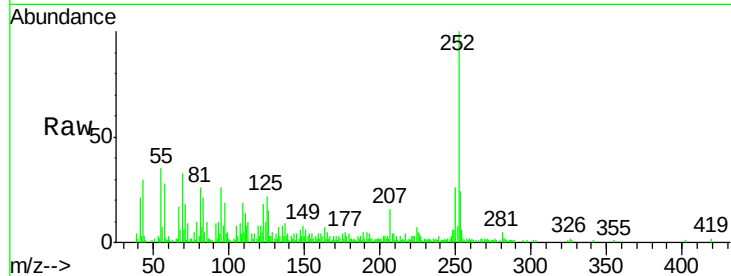
Instrument :

BNA_F

ClientSampleId :

NCC41-TOPSOILRE

Tgt Ion:	252	Resp:	69773
Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	21.7	17.1	25.7



#88

Benzo(k)fluoranthene

Concen: 4.08 ng

RT: 14.93 min Scan# 1124

Delta R.T. -0.06 min

Lab File: BF090903.D

Acq: 28 Oct 2016 12:06

Tgt Ion:	252	Resp:	69773
Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.0	25.4
125	21.7	16.0	24.0

