

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111716\
 Data File : BF091219.D
 Acq On : 17 Nov 2016 18:25
 Operator : UM/SJ
 Sample : H5673-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOILCUTTINGS

Quant Time: Nov 18 03:43:19 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 12:59:29 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	178171	20.00	ng	-0.03
21) Naphthalene-d8	7.90	136	784168	20.00	ng	-0.05
38) Acenaphthene-d10	9.65	164	410400	20.00	ng	-0.05
63) Phenanthrene-d10	11.14	188	707258	20.00	ng	-0.03
75) Chrysene-d12	13.77	240	490579	20.00	ng	-0.05
86) Perylene-d12	15.14	264	346504	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1337242	123.96	ng	-0.02
7) Phenol-d6	6.28	99	1757221	120.00	ng	-0.03
23) Nitrobenzene-d5	7.20	82	1341066	93.29	ng	-0.05
41) 2,4,6-Tribromophenol	10.45	330	561507	151.34	ng	-0.03
44) 2-Fluorobiphenyl	8.99	172	2047023	85.87	ng	-0.05
78) Terphenyl-d14	12.73	244	1997192	101.59	ng	-0.03

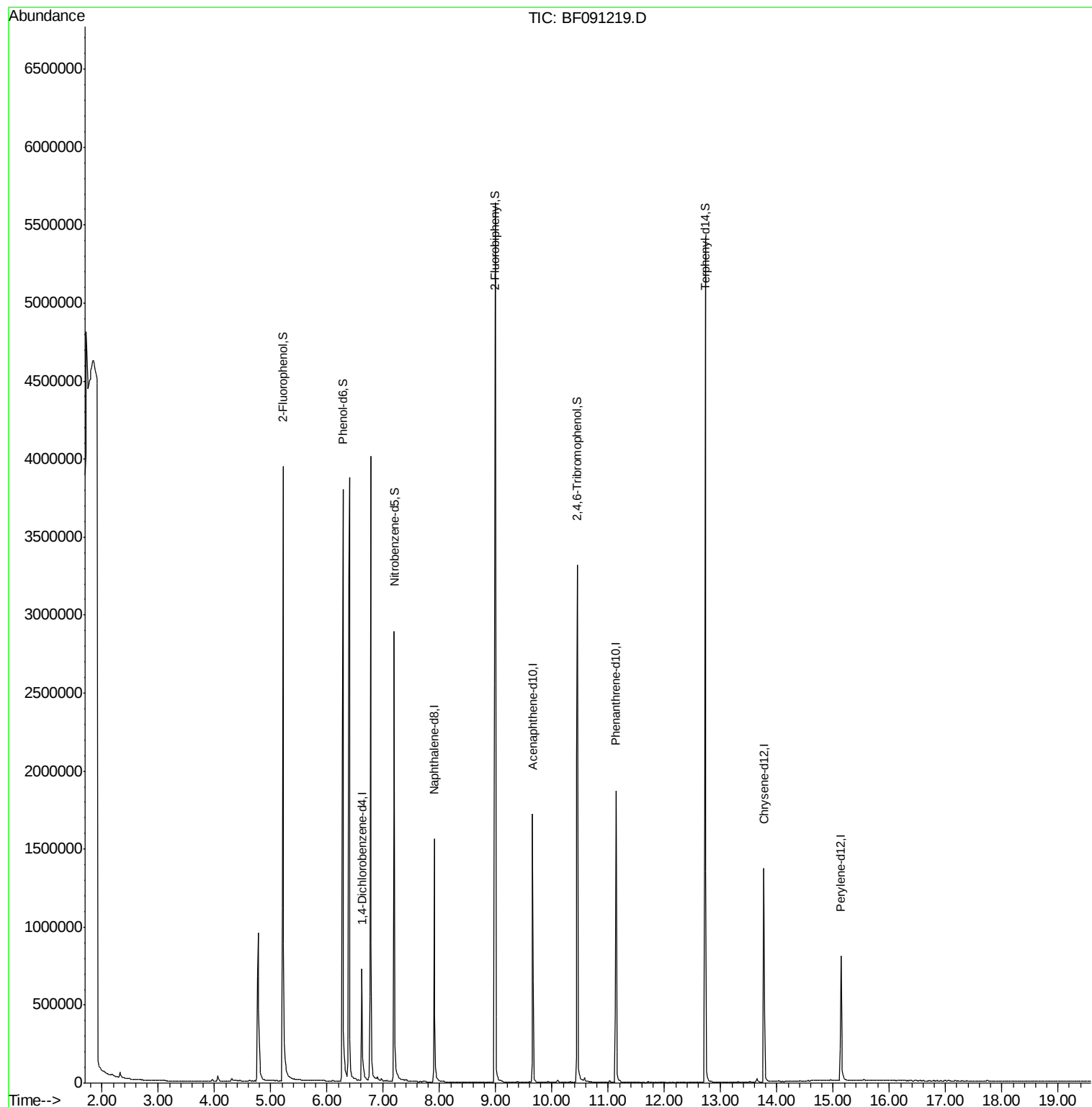
Target Compounds Qvalue

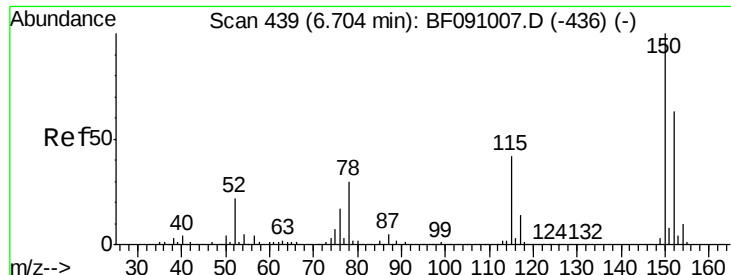
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 432

Delta R.T. -0.03 min

Lab File: BF091219.D

Acq: 17 Nov 2016 18:25

Instrument :

BNA_F

ClientSampleId :

SOILCUTTINGS

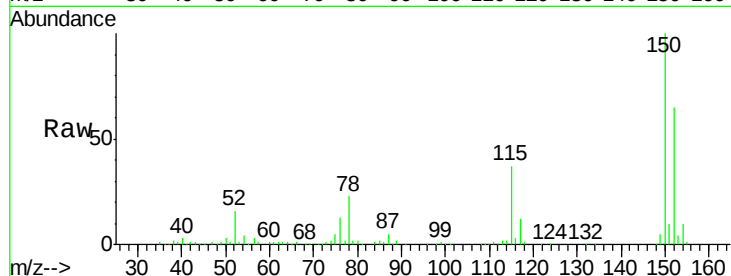
Tot Ion:152 Resp: 178171

Ion Ratio Lower Upper

152 100

150 153.6 126.8 190.2

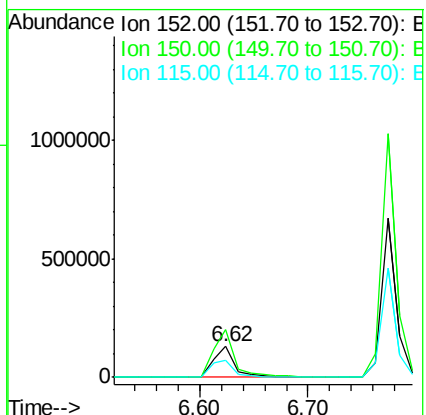
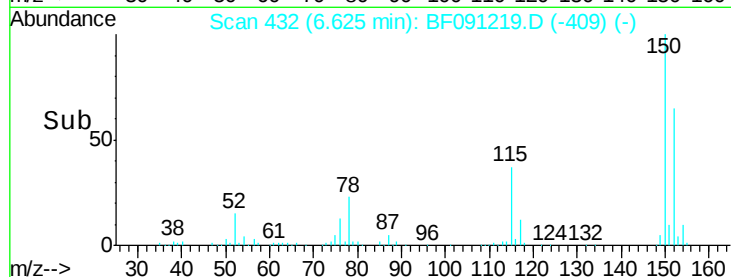
115 56.3 53.3 79.9



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: 123.96 ng

RT: 5.22 min Scan# 309

Delta R.T. -0.02 min

Lab File: BF091219.D

Acq: 17 Nov 2016 18:25

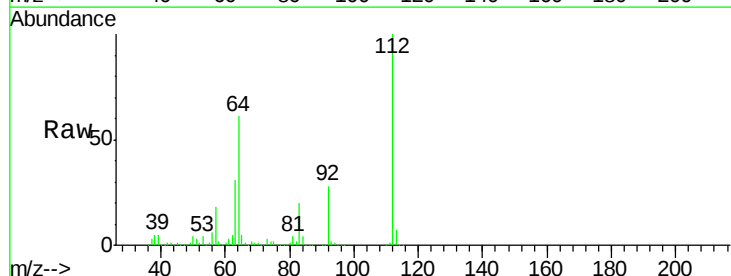
Tgt Ion:112 Resp: 1337242

Ion Ratio Lower Upper

112 100

64 60.8 55.8 83.6

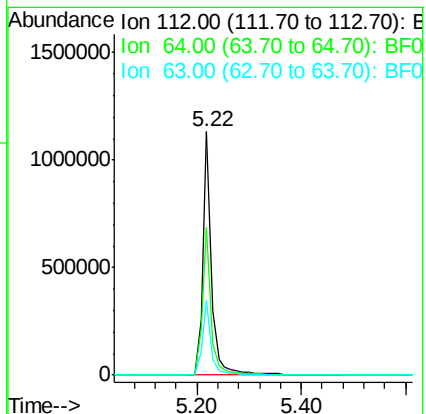
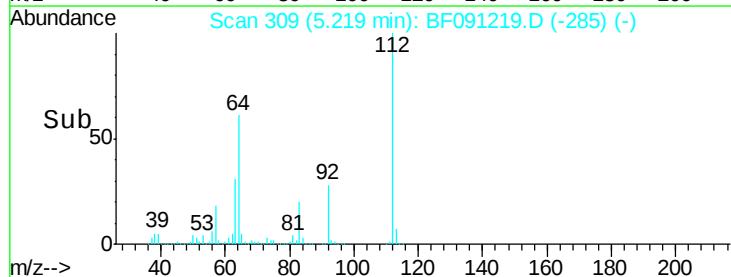
63 30.9 28.0 42.0

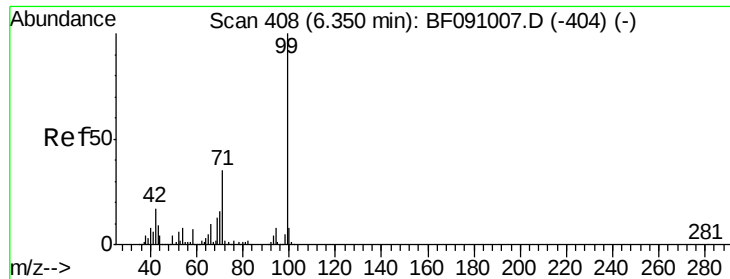


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 120.00 ng

RT: 6.28 min Scan# 402

Delta R.T. -0.03 min

Lab File: BF091219.D

Acq: 17 Nov 2016 18:25

Instrument :

BNA_F

ClientSampleId :

SOILCUTTINGS

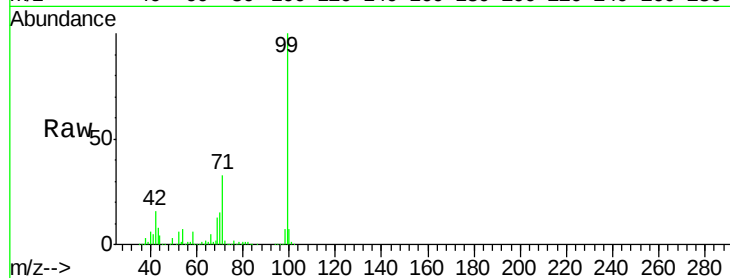
Tot Ion: 99 Resp: 1757221

Ion Ratio Lower Upper

99 100

42 15.7 13.9 20.9

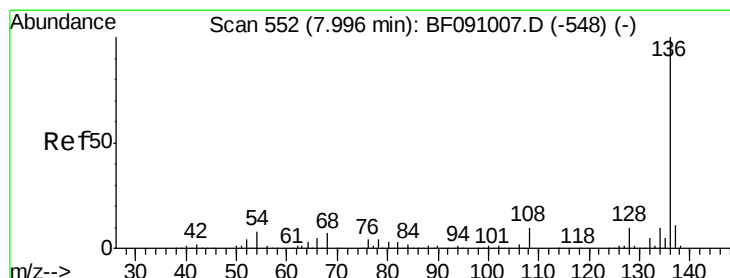
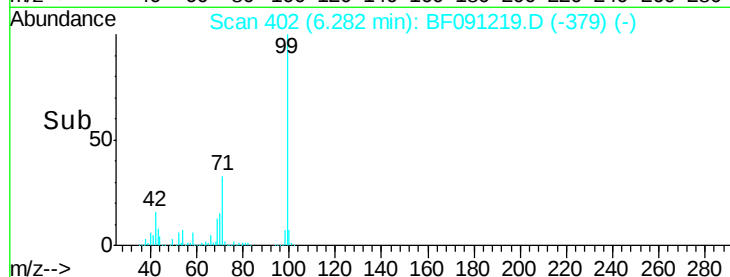
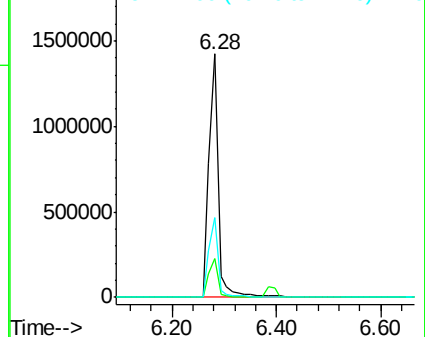
71 32.7 27.8 41.8



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: 7.90 min Scan# 544

Delta R.T. -0.05 min

Lab File: BF091219.D

Acq: 17 Nov 2016 18:25

Tgt Ion: 136 Resp: 784168

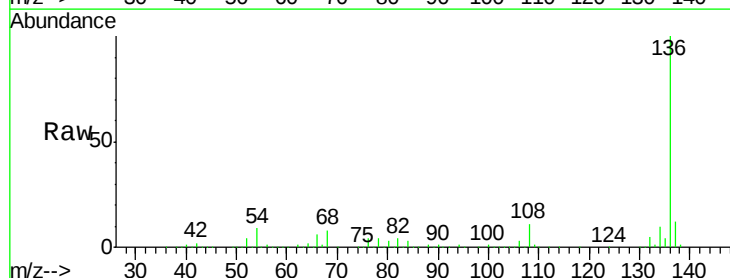
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 8.7 6.2 9.2

68 7.7 5.5 8.3

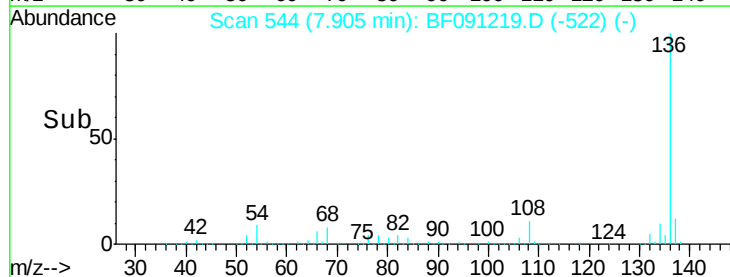
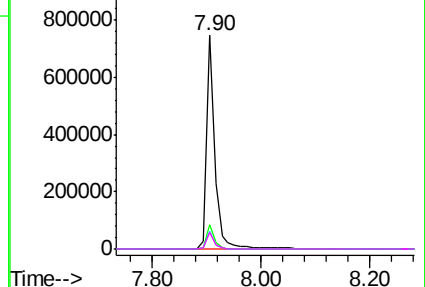


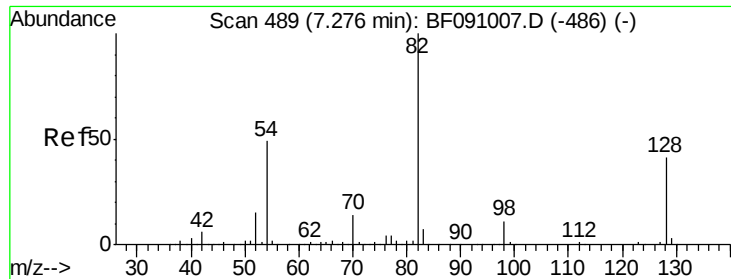
Abundance Ion 136.00 (135.70 to 136.70): E

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

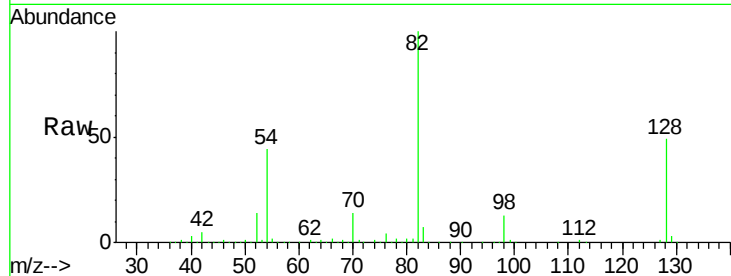




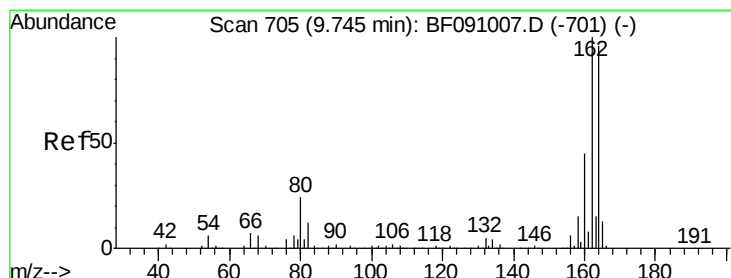
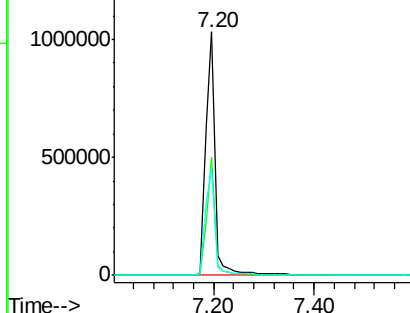
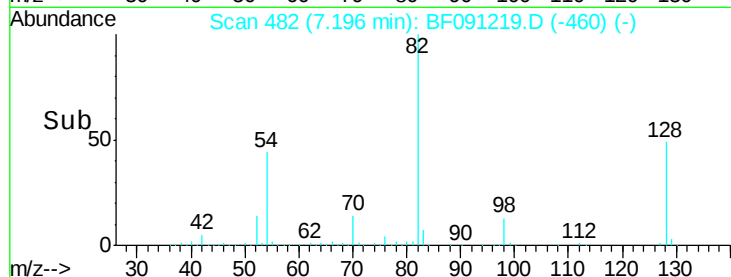
#23
 Nitrobenzene-d5
 Concen: 93.29 ng
 RT: 7.20 min Scan# 482
 Delta R.T. -0.05 min
 Lab File: BF091219.D
 Acq: 17 Nov 2016 18:25

Instrument :
 BNA_F
 ClientSampleId :
 SOILCUTTINGS

Tot Ion: 82 Resp: 1341066
 Ion Ratio Lower Upper
 82 100
 128 48.7 32.4 48.6#
 54 44.0 39.2 58.8

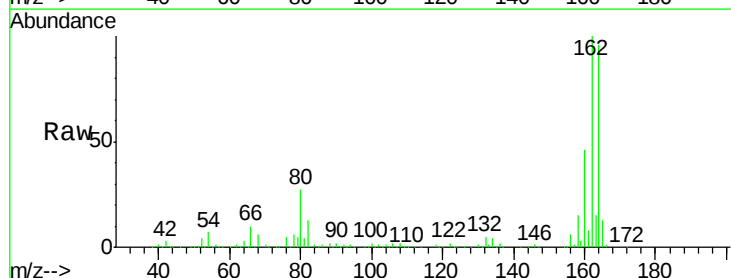


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

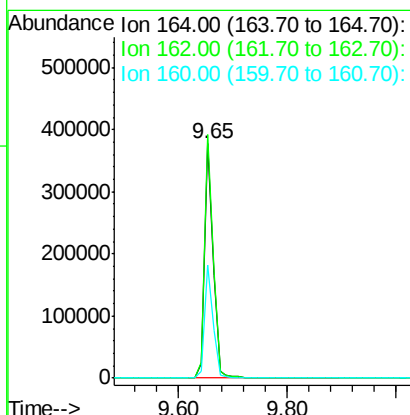
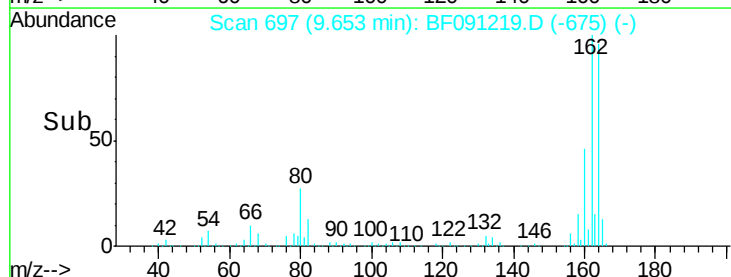


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.65 min Scan# 697
 Delta R.T. -0.05 min
 Lab File: BF091219.D
 Acq: 17 Nov 2016 18:25

Tgt Ion:164 Resp: 410400
 Ion Ratio Lower Upper
 164 100
 162 104.0 83.6 125.4
 160 48.1 37.9 56.9



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

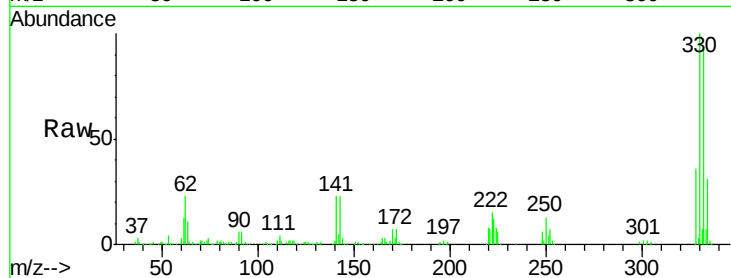




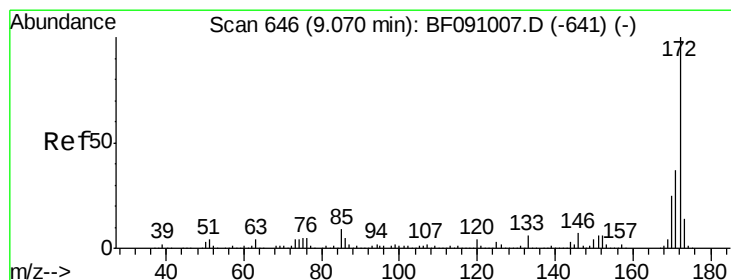
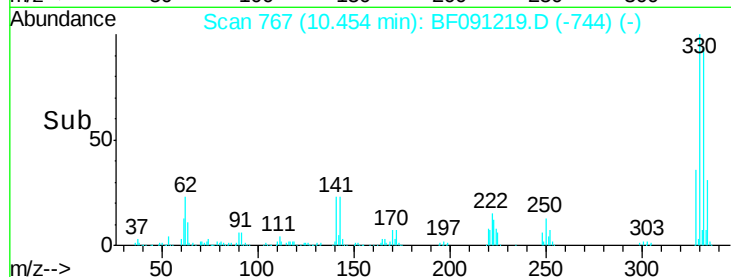
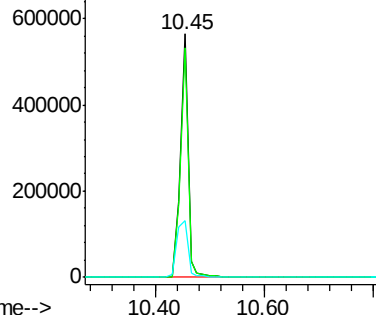
#41
 2,4,6-Tribromophenol
 Concen: 151.34 ng
 RT: 10.45 min Scan# 767
 Delta R.T. -0.03 min
 Lab File: BF091219.D
 Acq: 17 Nov 2016 18:25

Instrument :
 BNA_F
 ClientSampleId :
 SOILCUTTINGS

Tot Ion:330 Resp: 561507
 Ion Ratio Lower Upper
 330 100
 332 94.8 75.9 113.9
 141 34.5 36.1 54.1#

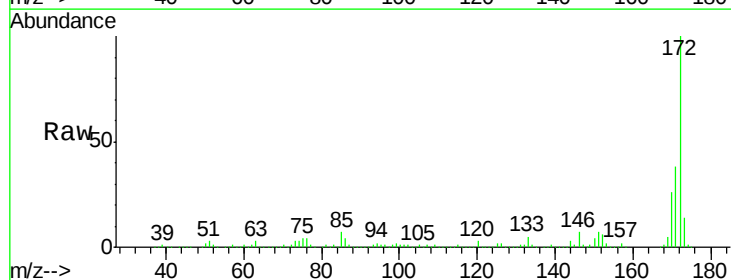


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

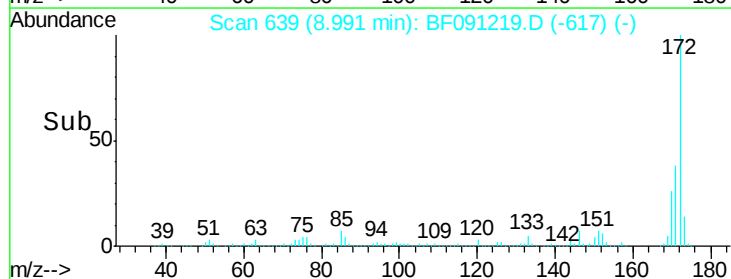
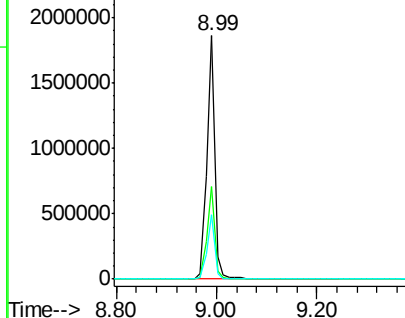


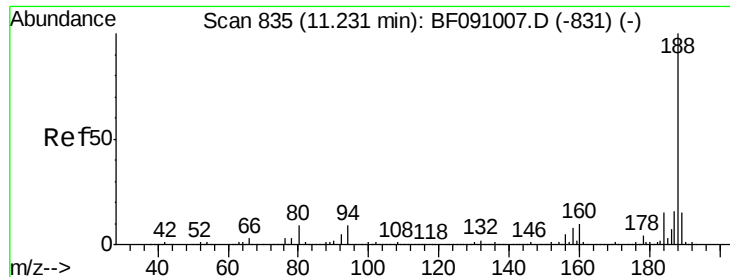
#44
 2-Fluorobiphenyl
 Concen: 85.87 ng
 RT: 8.99 min Scan# 639
 Delta R.T. -0.05 min
 Lab File: BF091219.D
 Acq: 17 Nov 2016 18:25

Tgt Ion:172 Resp: 2047023
 Ion Ratio Lower Upper
 172 100
 171 37.8 29.8 44.6
 170 26.3 20.3 30.5



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

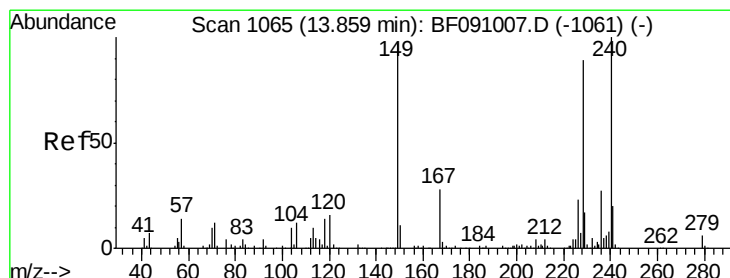
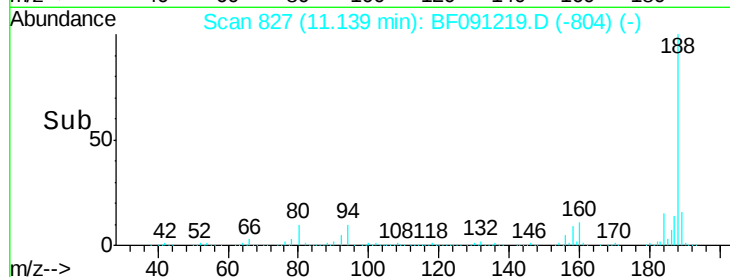
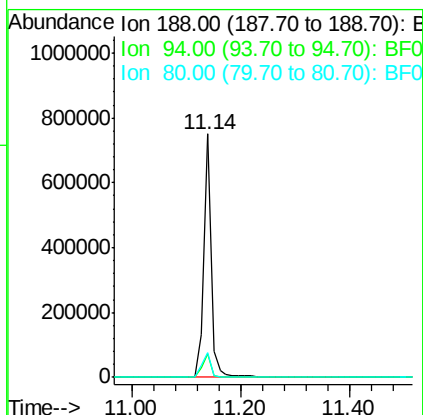
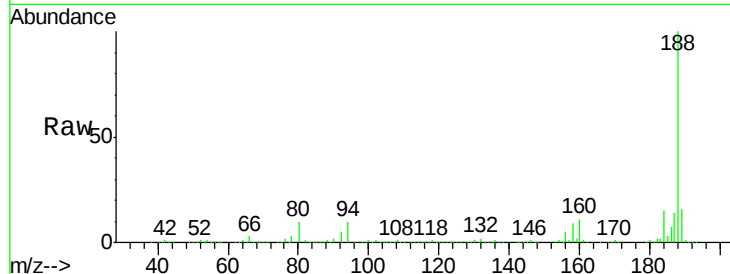




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.14 min Scan# 827
Delta R.T. -0.03 min
Lab File: BF091219.D
Acq: 17 Nov 2016 18:25

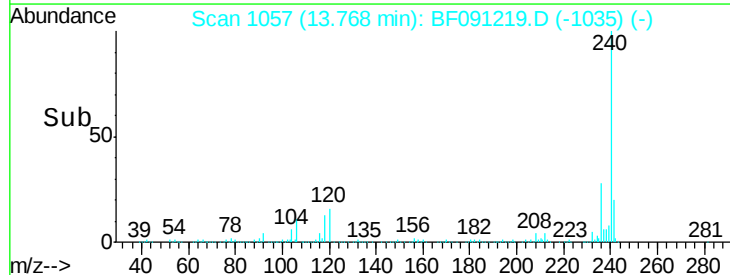
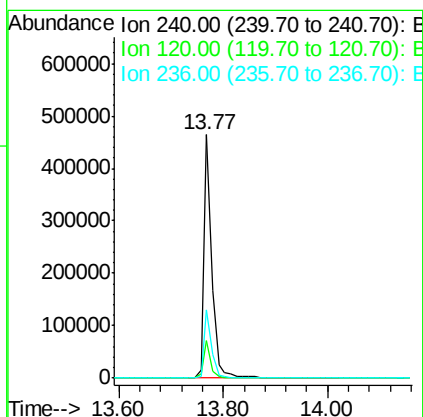
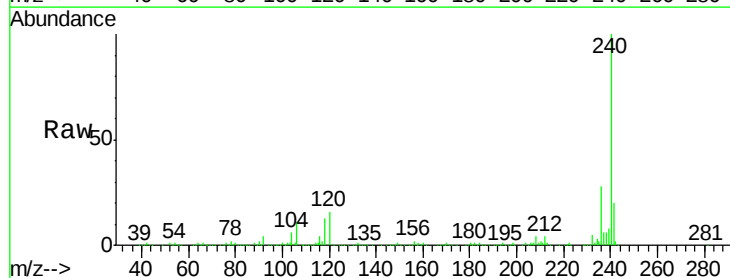
Instrument :
BNA_F
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SOILCUTTINGS

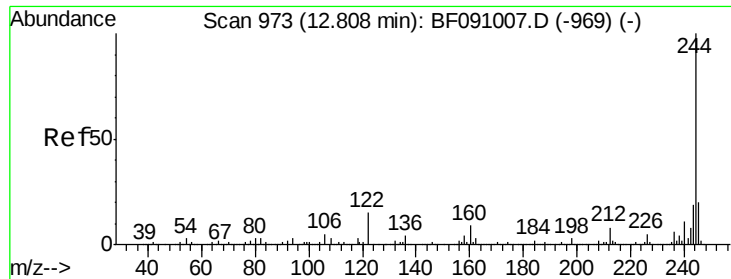
Tot Ion:188 Resp: 707258
Ion Ratio Lower Upper
188 100
94 9.5 7.0 10.4
80 10.1 7.5 11.3



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.77 min Scan# 1057
Delta R.T. -0.05 min
Lab File: BF091219.D
Acq: 17 Nov 2016 18:25

Tgt Ion:240 Resp: 490579
Ion Ratio Lower Upper
240 100
120 15.7 12.9 19.3
236 28.0 21.9 32.9

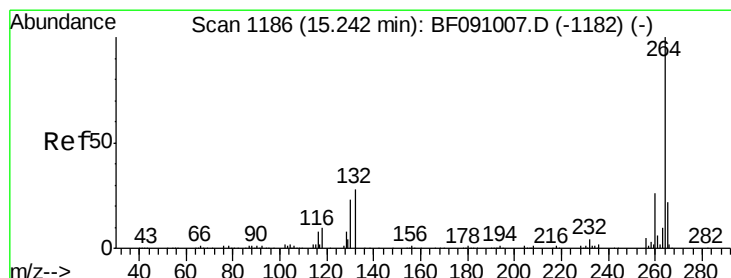
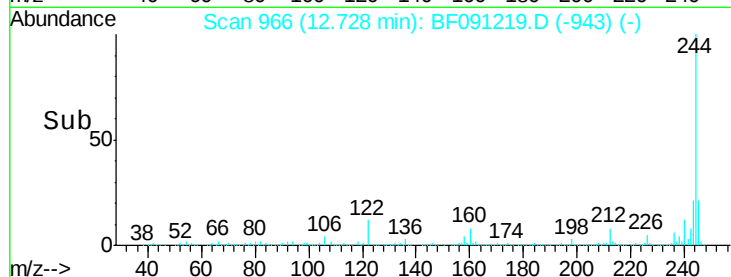
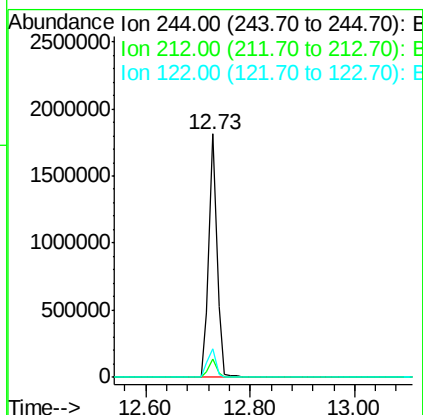
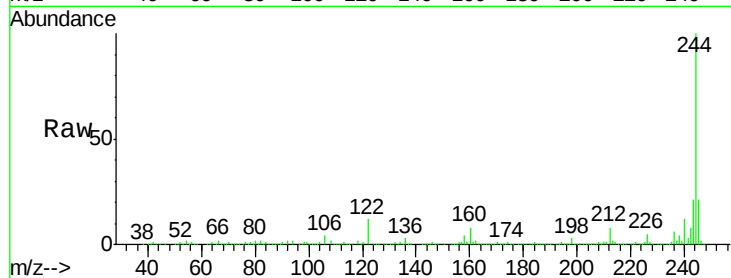




#78
 Terphenyl-d14
 Concen: 101.59 ng
 RT: 12.73 min Scan# 966
 Delta R.T. -0.03 min
 Lab File: BF091219.D
 Acq: 17 Nov 2016 18:25

Instrument :
 BNA_F
 ClientSampleId :
 SOILCUTTINGS

Tot Ion:244 Resp: 1997192
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.4 9.6
 122 12.0 12.3 18.5#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.14 min Scan# 1177
 Delta R.T. -0.05 min
 Lab File: BF091219.D
 Acq: 17 Nov 2016 18:25

Tgt Ion:264 Resp: 346504
 Ion Ratio Lower Upper
 264 100
 260 25.9 20.6 30.8
 265 22.0 17.8 26.8

