

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071416\
 Data File : BF088984.D
 Acq On : 14 Jul 2016 13:53
 Operator : UM/SJ
 Sample : H3606-03
 Misc : LOD-8PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Quant Time: Jul 15 02:19:23 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	72153	20.00	ng	-0.02
21) Naphthalene-d8	7.96	136	288682	20.00	ng	-0.03
38) Acenaphthene-d10	9.71	164	137894	20.00	ng	-0.03
63) Phenanthrene-d10	11.19	188	272707	20.00	ng	-0.03
75) Chrysene-d12	13.82	240	245214	20.00	ng	-0.03
86) Perylene-d12	15.18	264	190278	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	467792	97.17	ng	0.00
7) Phenol-d6	6.34	99	669145	107.57	ng	-0.01
23) Nitrobenzene-d5	7.26	82	427106	77.53	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	128150	100.08	ng	-0.03
44) 2-Fluorobiphenyl	9.05	172	727317	83.31	ng	-0.02
78) Terphenyl-d14	12.78	244	606309	55.07	ng	-0.02

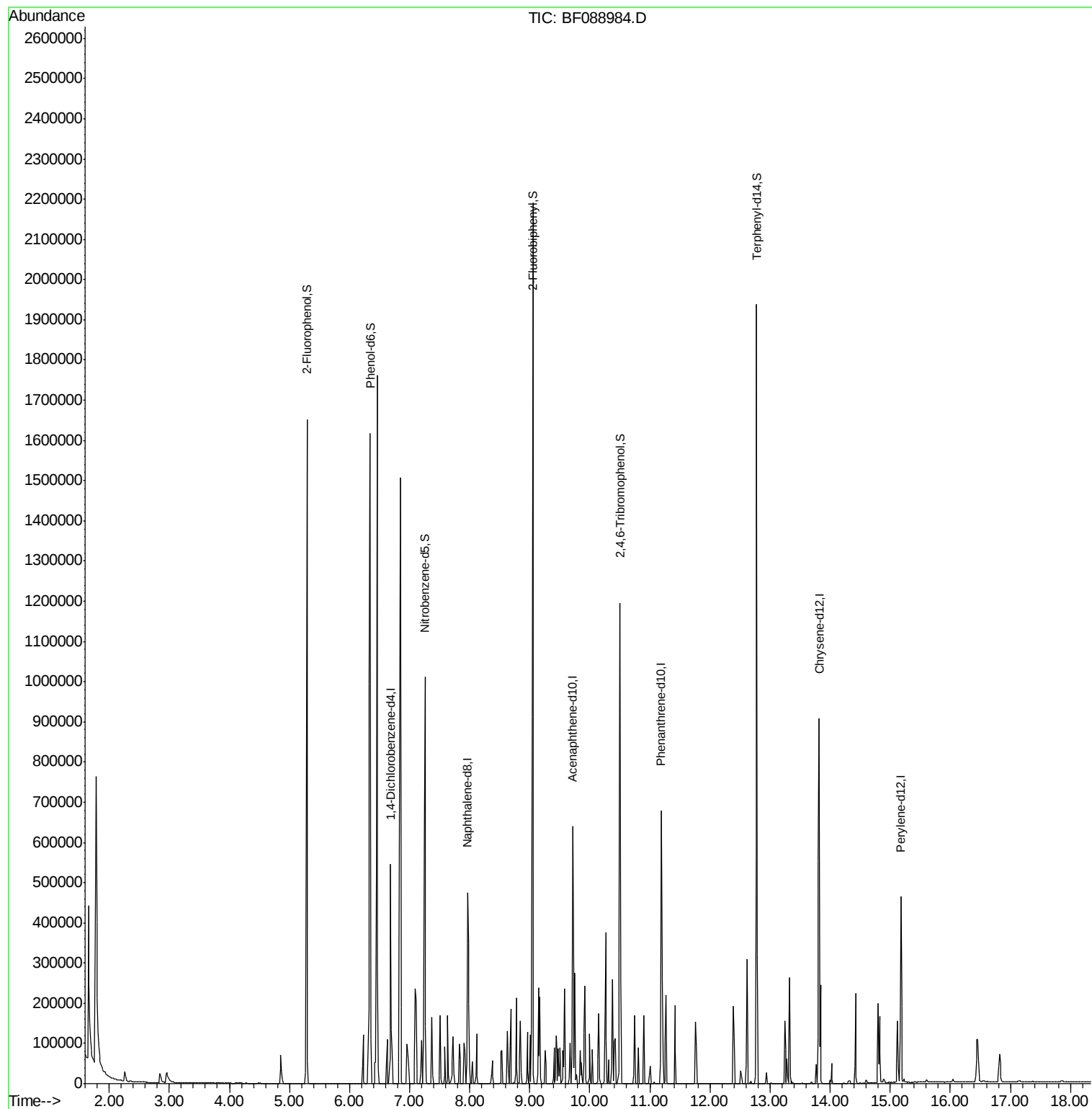
Target Compounds Qvalue

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

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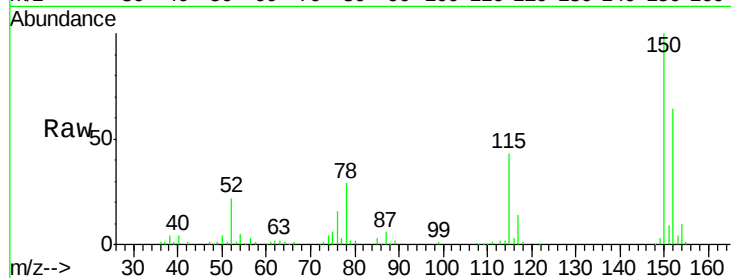


#1

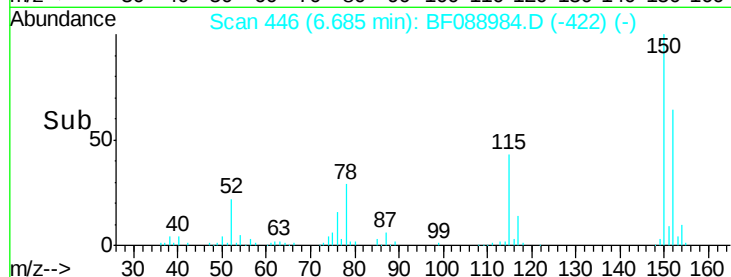
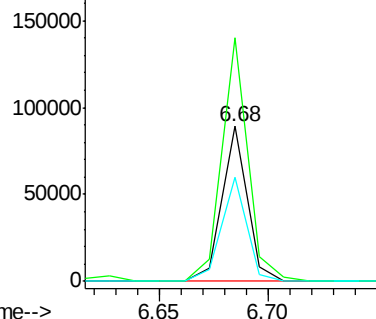
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 446
Delta R.T. -0.02 min
Lab File: BF088984.D
Acq: 14 Jul 2016 13:53

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion:152 Resp: 72153
Ion Ratio Lower Upper
152 100
150 157.1 123.8 185.6
115 67.3 39.6 59.4#



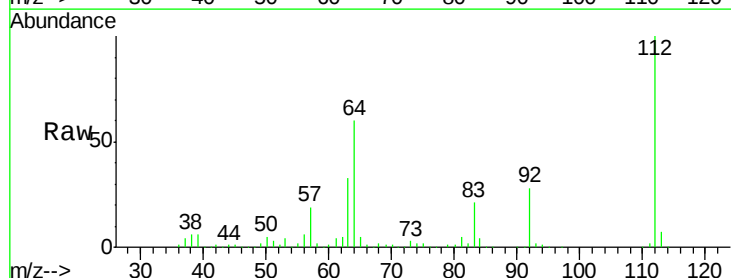
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



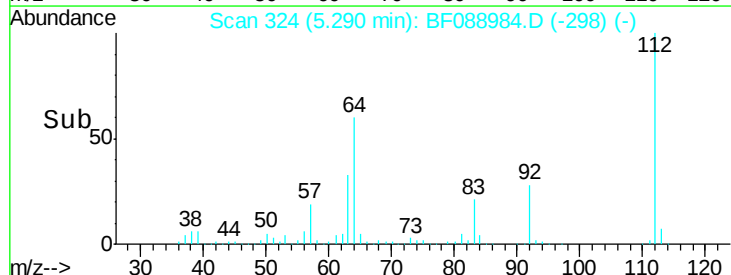
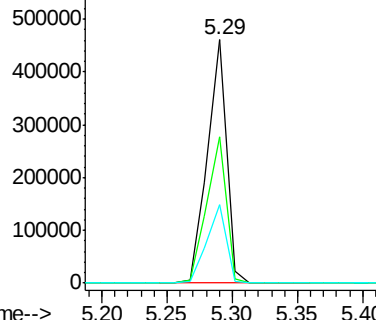
#5

2-Fluorophenol
Concen: 97.17 ng
RT: 5.29 min Scan# 324
Delta R.T. 0.00 min
Lab File: BF088984.D
Acq: 14 Jul 2016 13:53

Tgt Ion:112 Resp: 467792
Ion Ratio Lower Upper
112 100
64 59.9 42.2 63.2
63 32.5 21.8 32.8



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: 107.57 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

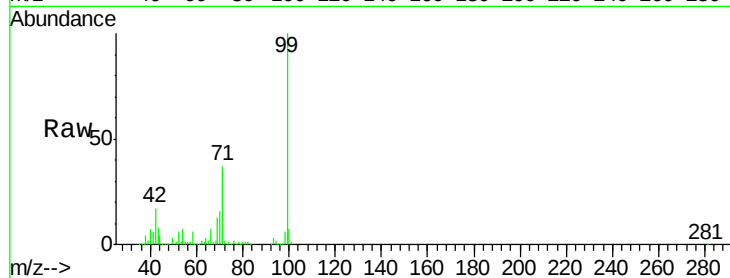
Tot Ion: 99 Resp: 669145

Ion Ratio Lower Upper

99 100

42 17.0 12.2 18.2

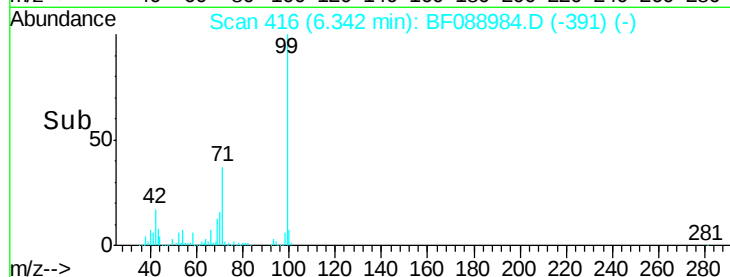
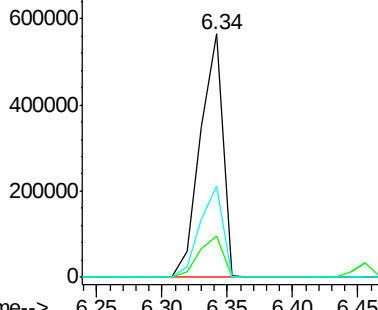
71 37.3 23.4 35.0#



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: 7.96 min Scan# 558

Delta R.T. -0.03 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

Tgt Ion: 136 Resp: 288682

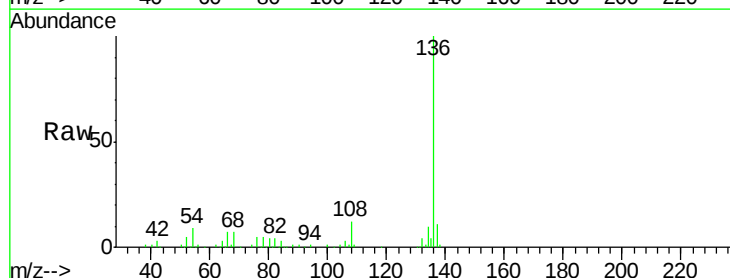
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 8.9 6.6 10.0

68 6.5 5.1 7.7

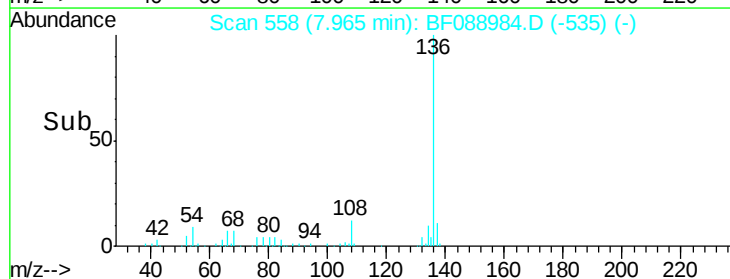
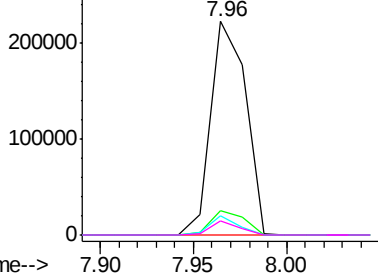


Abundance Ion 136.00 (135.70 to 136.70): E

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

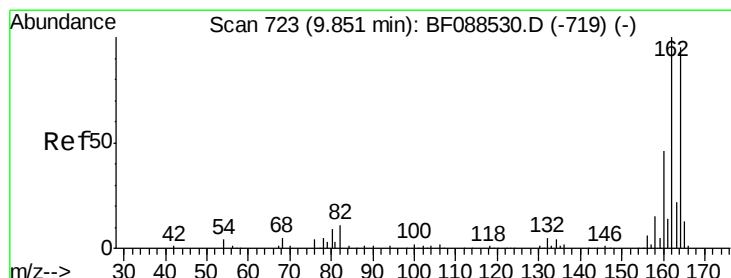
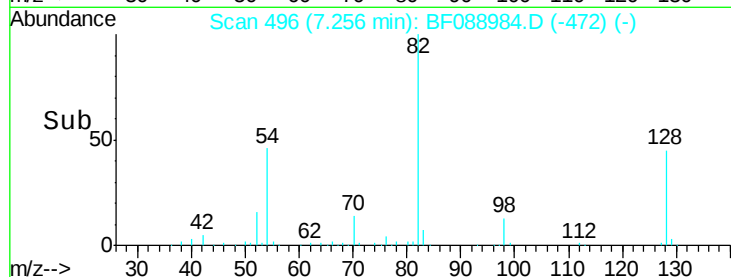
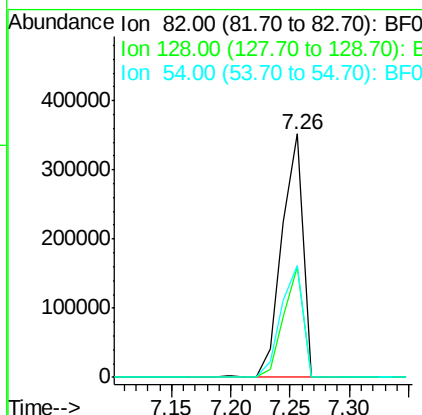
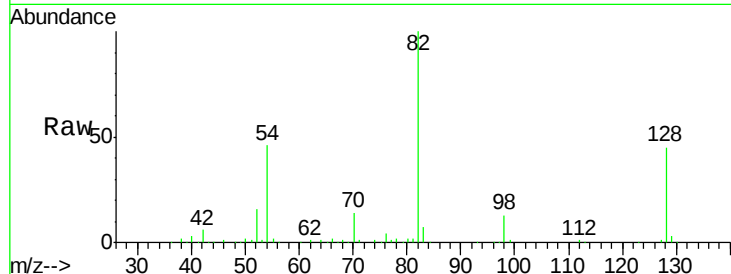




#23
 Nitrobenzene-d5
 Concen: 77.53 ng
 RT: 7.26 min Scan# 496
 Delta R.T. -0.02 min
 Lab File: BF088984.D
 Acq: 14 Jul 2016 13:53

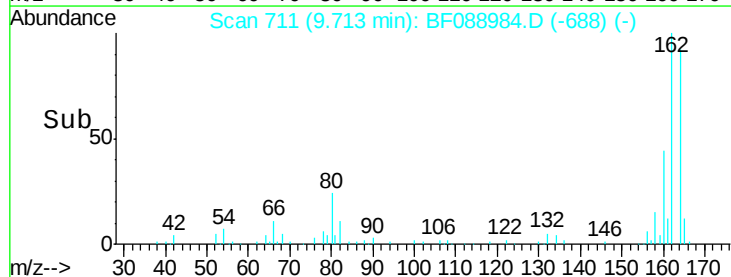
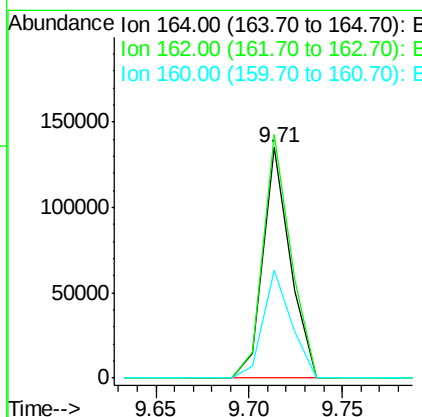
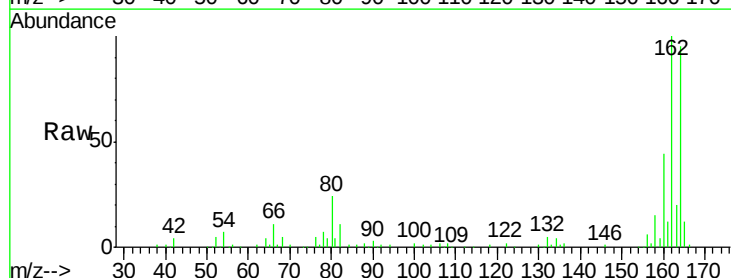
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

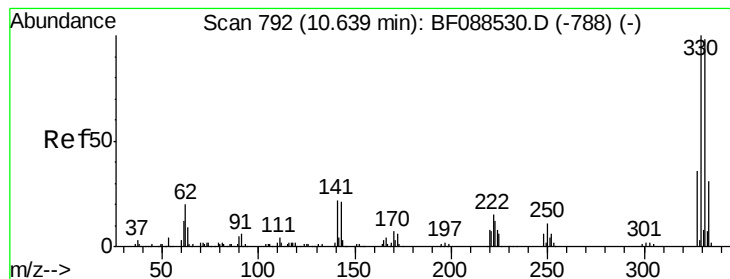
Tot Ion: 82 Resp: 427106
 Ion Ratio Lower Upper
 82 100
 128 45.4 35.9 53.9
 54 45.7 40.9 61.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 711
 Delta R.T. -0.03 min
 Lab File: BF088984.D
 Acq: 14 Jul 2016 13:53

Tgt Ion:164 Resp: 137894
 Ion Ratio Lower Upper
 164 100
 162 105.7 85.4 128.2
 160 47.0 39.5 59.3





#41

2,4,6-Tribromophenol

Concen: 100.08 ng

RT: 10.50 min Scan# 780

Delta R.T. -0.03 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

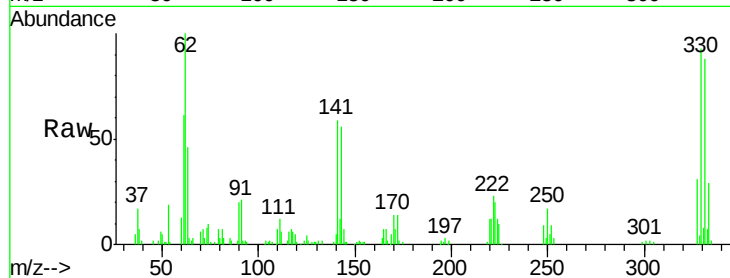
Tot Ion:330 Resp: 128150

Ion Ratio Lower Upper

330 100

332 96.3 0.0 0.0#

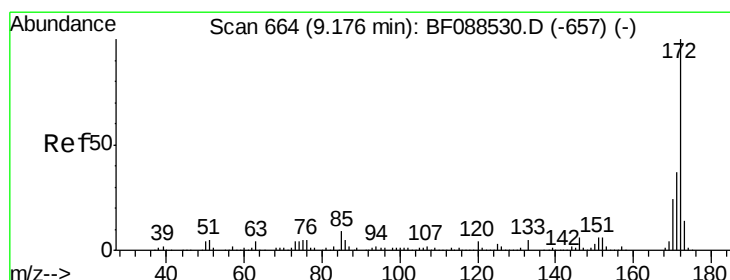
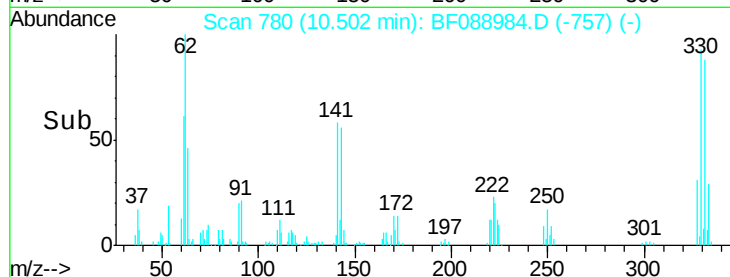
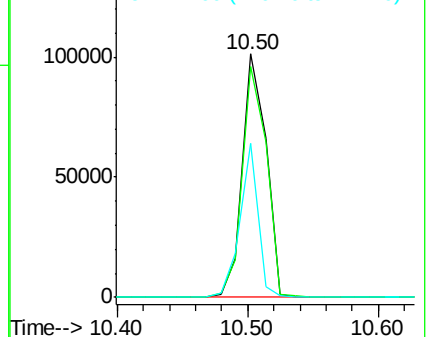
141 47.8 0.0 0.0#



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: 83.31 ng

RT: 9.05 min Scan# 653

Delta R.T. -0.02 min

Lab File: BF088984.D

Acq: 14 Jul 2016 13:53

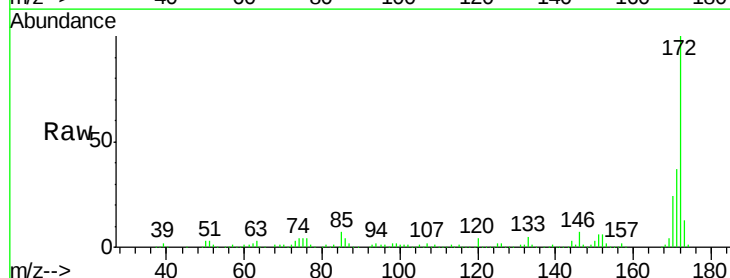
Tgt Ion:172 Resp: 727317

Ion Ratio Lower Upper

172 100

171 36.8 28.6 43.0

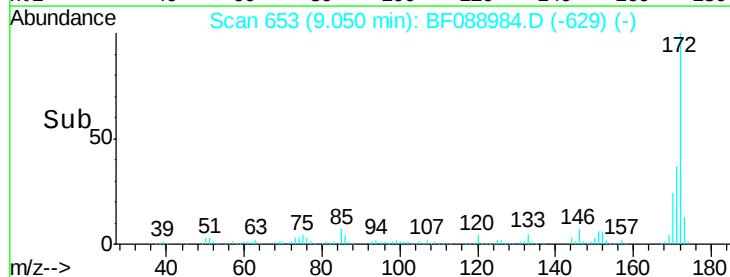
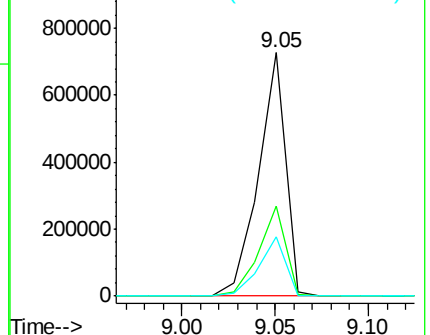
170 24.3 19.2 28.8

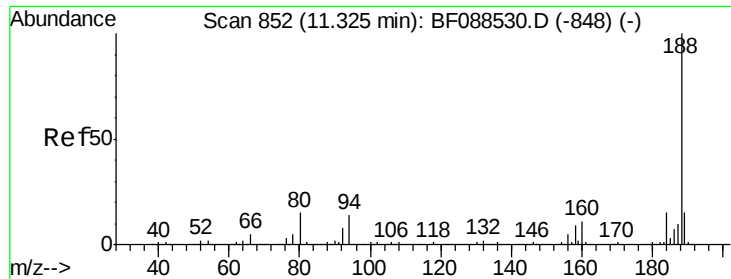


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

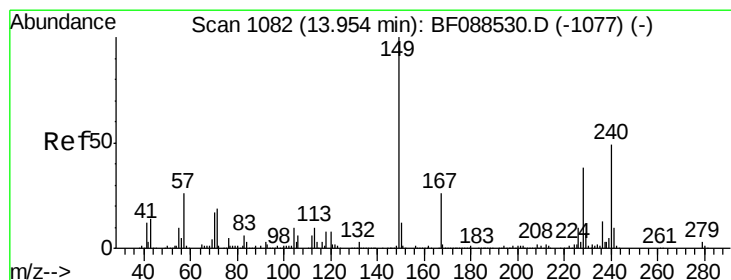
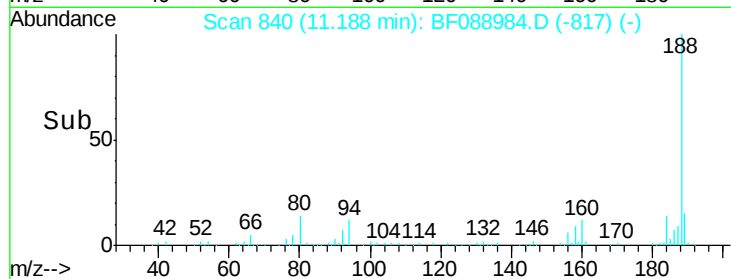
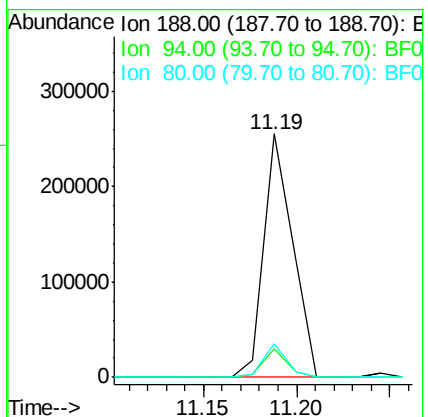
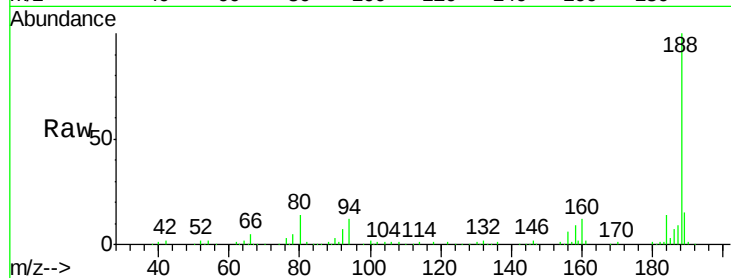




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 840
Delta R.T. -0.03 min
Lab File: BF088984.D
Acq: 14 Jul 2016 13:53

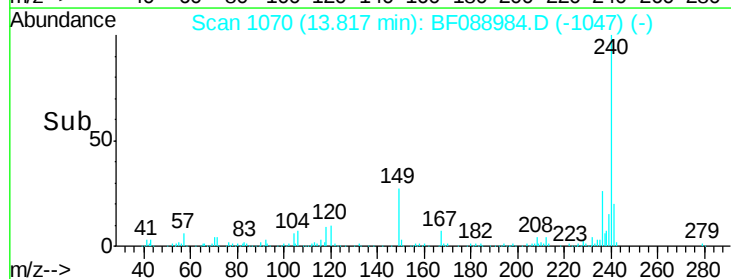
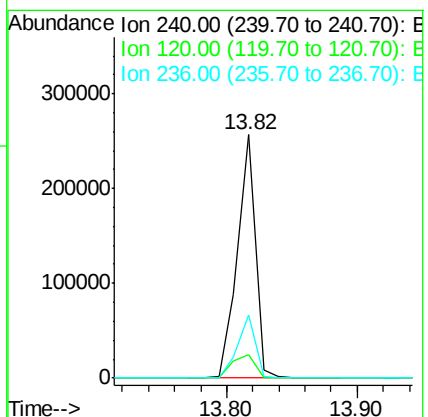
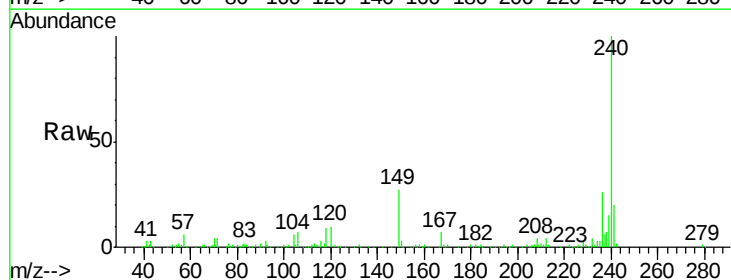
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion:188 Resp: 272707
Ion Ratio Lower Upper
188 100
94 11.9 9.0 13.6
80 13.7 10.0 15.0



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.82 min Scan# 1070
Delta R.T. -0.03 min
Lab File: BF088984.D
Acq: 14 Jul 2016 13:53

Tgt Ion:240 Resp: 245214
Ion Ratio Lower Upper
240 100
120 9.5 6.8 10.2
236 25.8 20.2 30.2

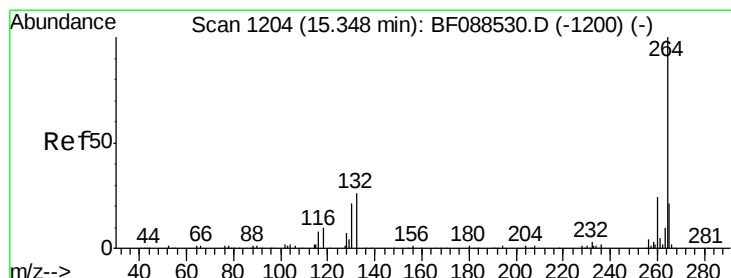
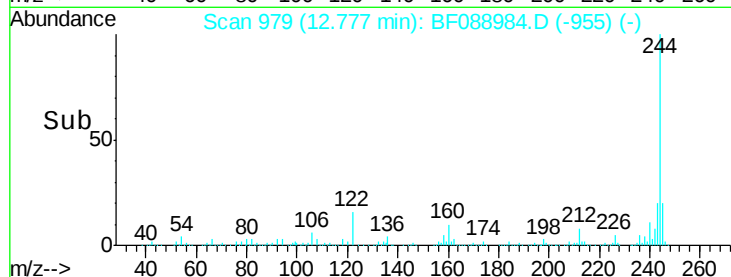
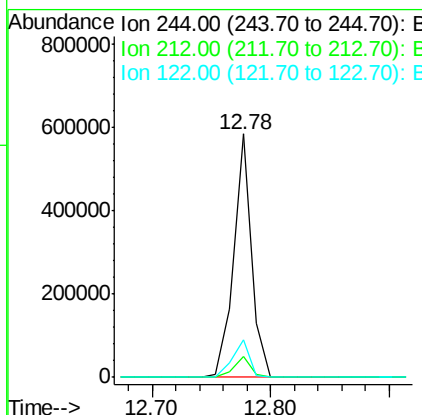
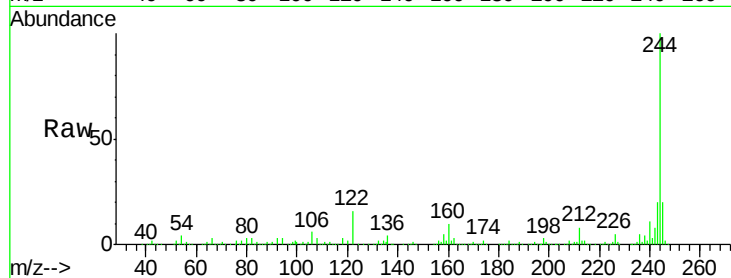




#78
 Terphenyl-d14
 Concen: 55.07 ng
 RT: 12.78 min Scan# 979
 Delta R.T. -0.02 min
 Lab File: BF088984.D
 Acq: 14 Jul 2016 13:53

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion:244 Resp: 606309
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.0 9.0
 122 15.6 11.2 16.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.18 min Scan# 1189
 Delta R.T. -0.03 min
 Lab File: BF088984.D
 Acq: 14 Jul 2016 13:53

Tgt Ion:264 Resp: 190278
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.2 28.8
 265 21.5 16.9 25.3

