

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071416\
 Data File : BF088987.D
 Acq On : 14 Jul 2016 15:20
 Operator : UM/SJ
 Sample : H3606-03
 Misc : LOD-1PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Quant Time: Jul 15 01:16:14 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

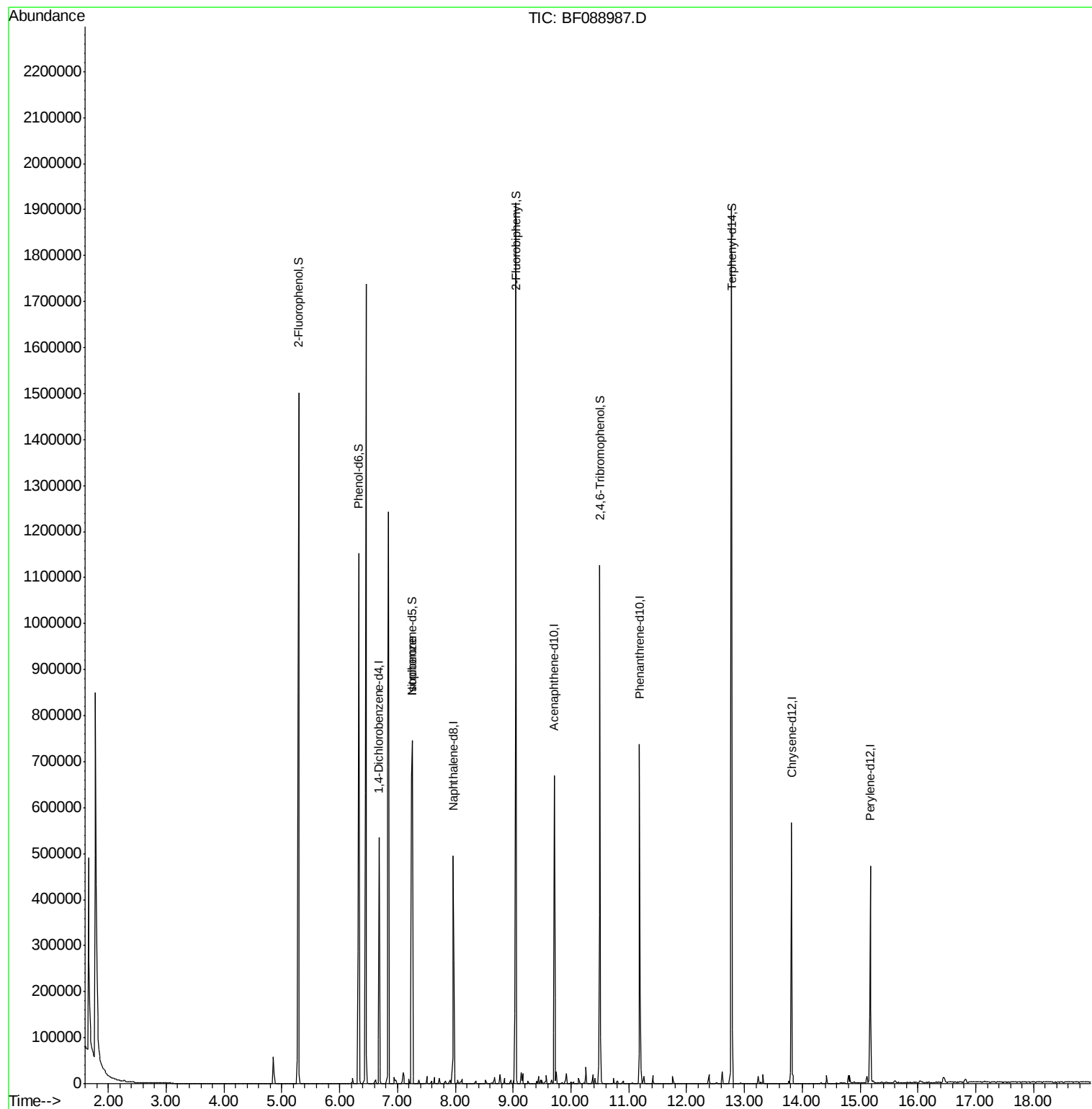
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	72952	20.00	ng	-0.02
21) Naphthalene-d8	7.96	136	277772	20.00	ng	-0.03
38) Acenaphthene-d10	9.71	164	138001	20.00	ng	-0.03
63) Phenanthrene-d10	11.19	188	269457	20.00	ng	-0.03
75) Chrysene-d12	13.82	240	244501	20.00	ng	-0.03
86) Perylene-d12	15.18	264	193607	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	468569	96.26	ng	0.00
7) Phenol-d6	6.33	99	604530	96.11	ng	-0.02
23) Nitrobenzene-d5	7.26	82	380314	71.75	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	106585	83.17	ng	-0.03
44) 2-Fluorobiphenyl	9.05	172	684186	78.31	ng	-0.02
78) Terphenyl-d14	12.78	244	554069	50.47	ng	-0.02
Target Compounds						
25) Isophorone	7.26	82	344189	35.06	ng	Qvalue # 65

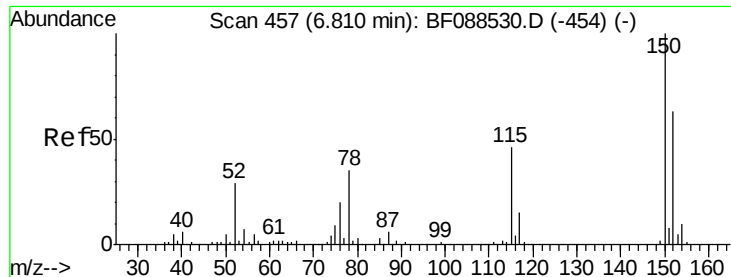
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

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LOD-SOIL2016-01

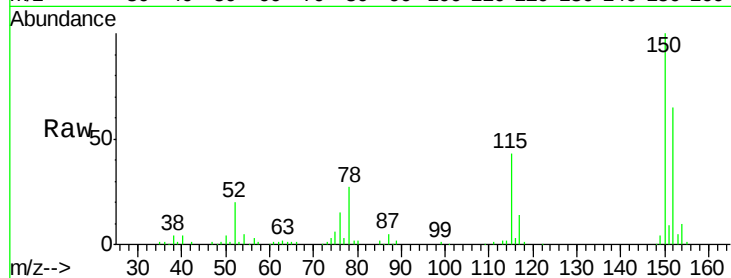
Tgt Ion:152 Resp: 72952

Ion Ratio Lower Upper

152 100

150 154.3 123.8 185.6

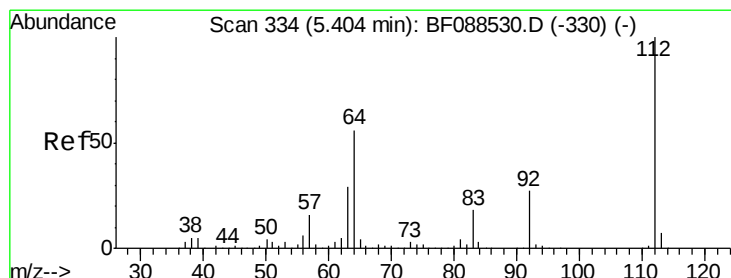
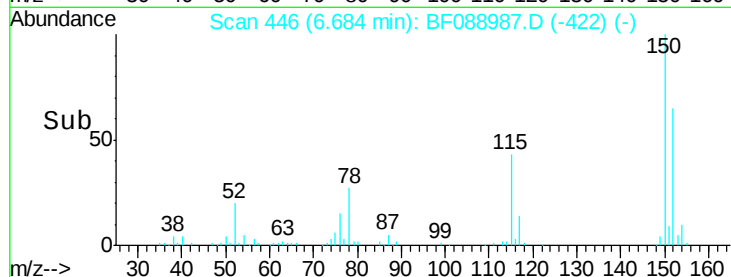
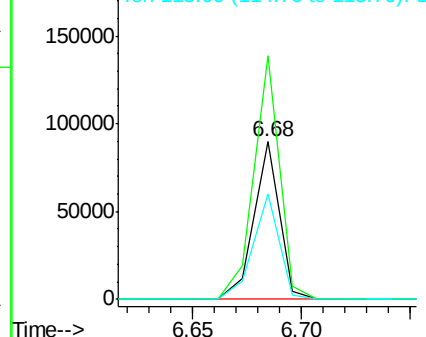
115 66.8 39.6 59.4#



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: 96.26 ng

RT: 5.29 min Scan# 324

Delta R.T. -0.00 min

Lab File: BF088987.D

Acq: 14 Jul 2016 15:20

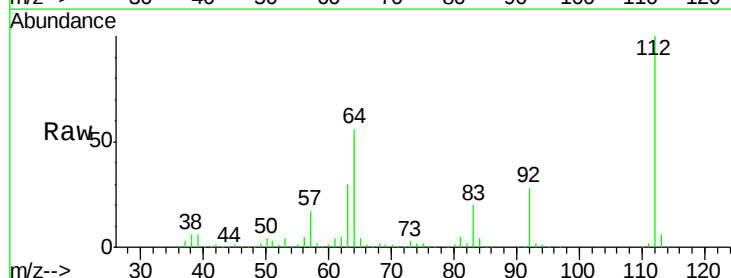
Tgt Ion:112 Resp: 468569

Ion Ratio Lower Upper

112 100

64 55.8 42.2 63.2

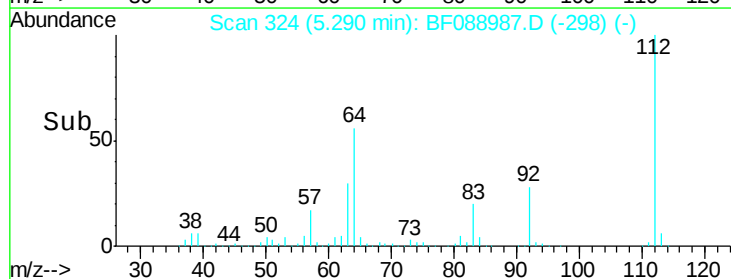
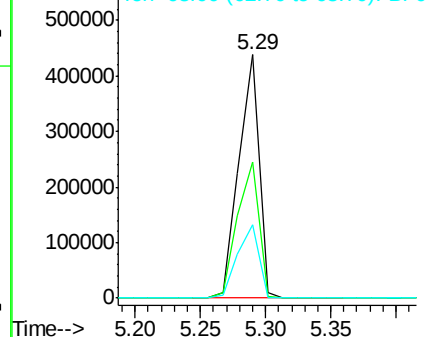
63 30.3 21.8 32.8



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: 96.11 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF088987.D

Acq: 14 Jul 2016 15:20

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

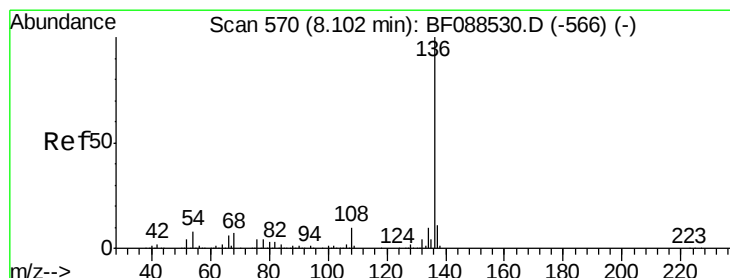
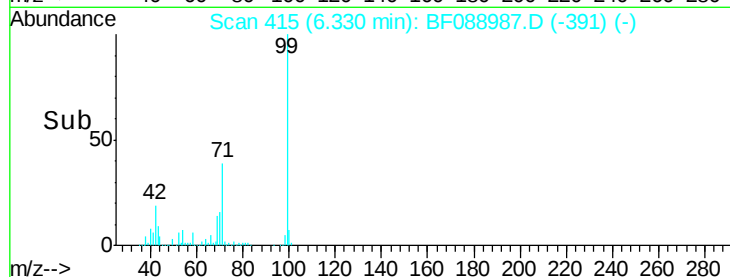
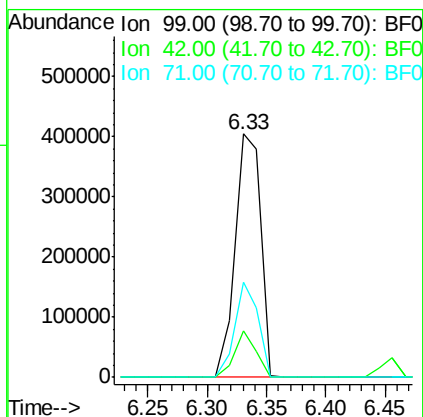
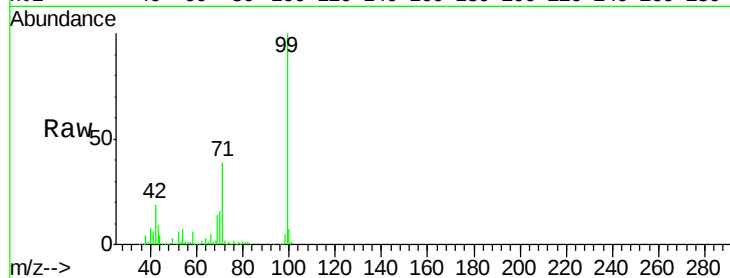
Tgt Ion: 99 Resp: 604530

Ion Ratio Lower Upper

99 100

42 19.0 12.2 18.2#

71 39.1 23.4 35.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 558

Delta R.T. -0.03 min

Lab File: BF088987.D

Acq: 14 Jul 2016 15:20

Tgt Ion: 136 Resp: 277772

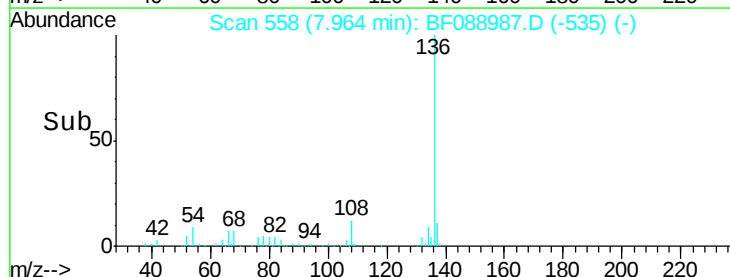
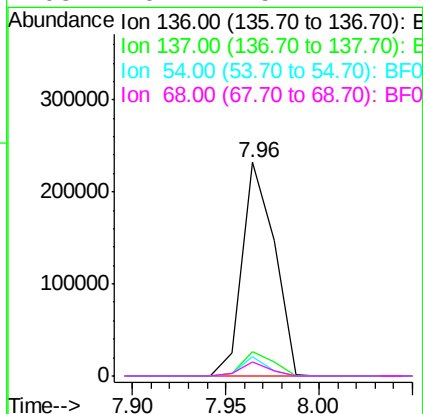
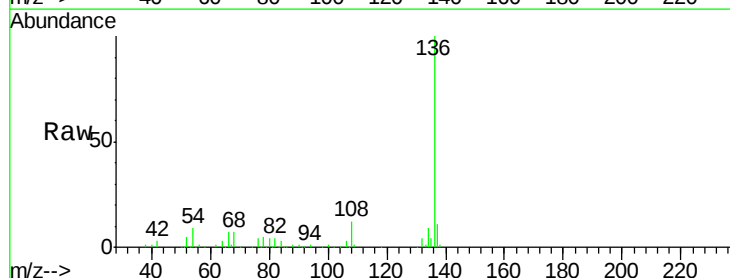
Ion Ratio Lower Upper

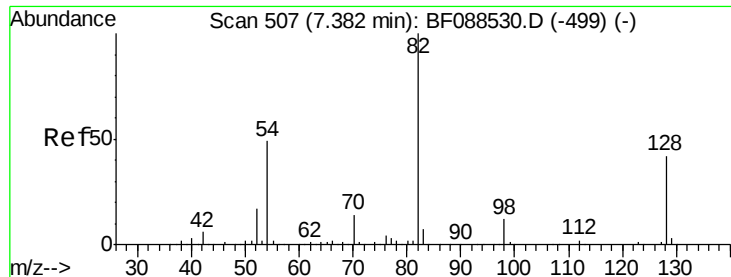
136 100

137 11.2 9.1 13.7

54 8.9 6.6 10.0

68 6.7 5.1 7.7





#23

Nitrobenzene-d5

Concen: 71.75 ng

RT: 7.26 min Scan# 496

Delta R.T. -0.02 min

Lab File: BF088987.D

Acq: 14 Jul 2016 15:20

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

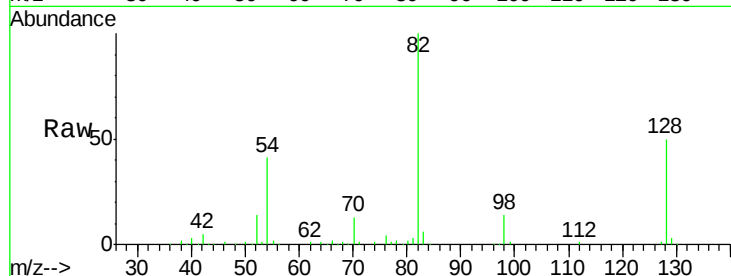
Tgt Ion: 82 Resp: 380314

Ion Ratio Lower Upper

82 100

128 49.8 35.9 53.9

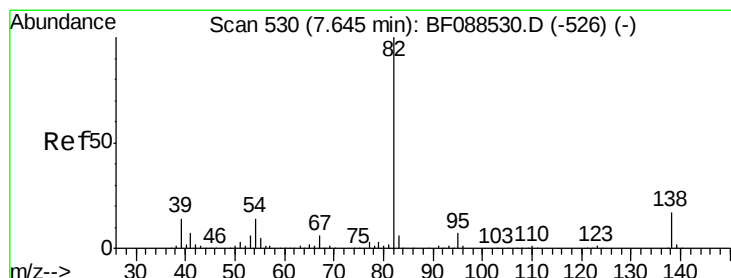
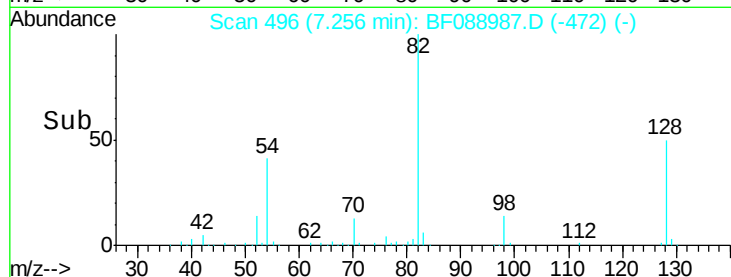
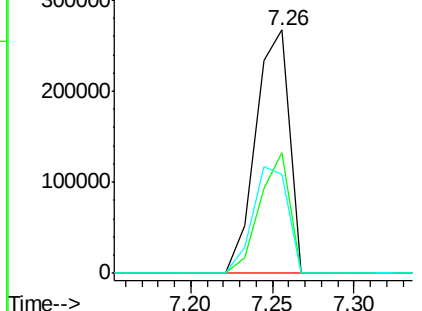
54 40.8 40.9 61.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 35.06 ng

RT: 7.26 min Scan# 496

Delta R.T. -0.29 min

Lab File: BF088987.D

Acq: 14 Jul 2016 15:20

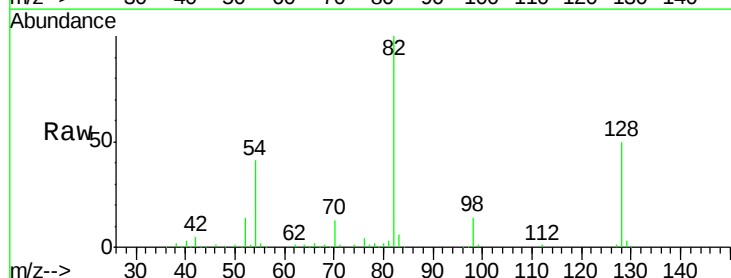
Tgt Ion: 82 Resp: 344189

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

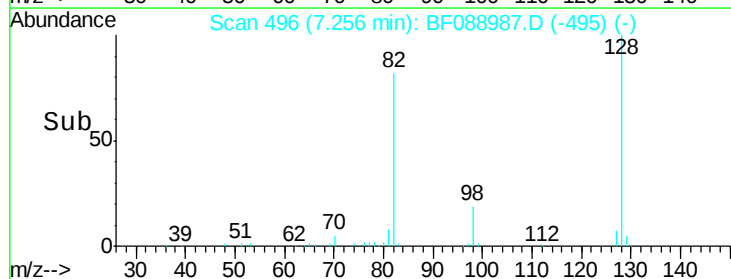
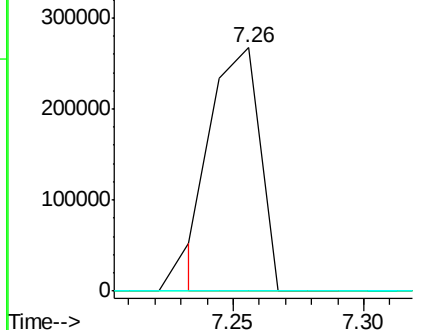
138 0.0 14.6 21.8#

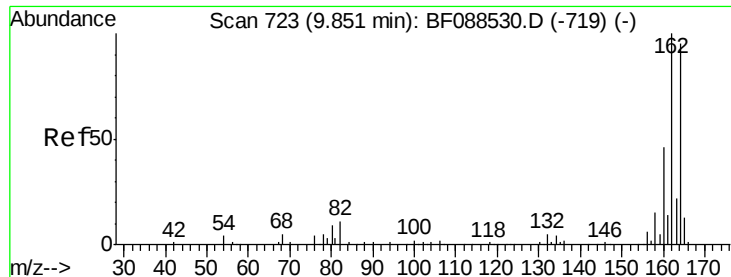


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.71 min Scan# 711

Delta R.T. -0.03 min

Lab File: BF088987.D

Acq: 14 Jul 2016 15:20

Instrument :

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ClientSampleId :

LOD-SOIL2016-01

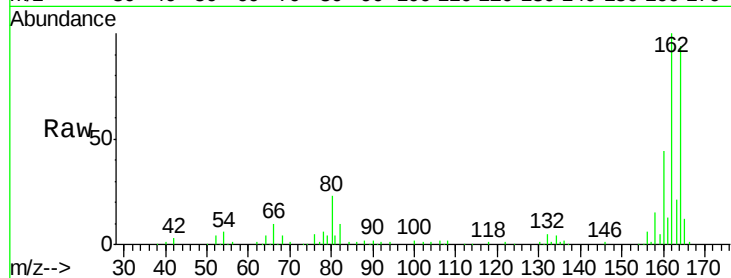
Tgt Ion:164 Resp: 138001

Ion Ratio Lower Upper

164 100

162 106.5 85.4 128.2

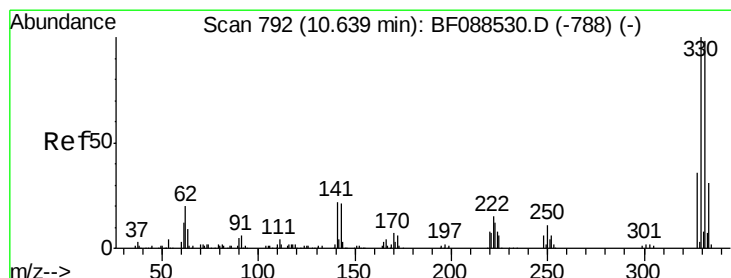
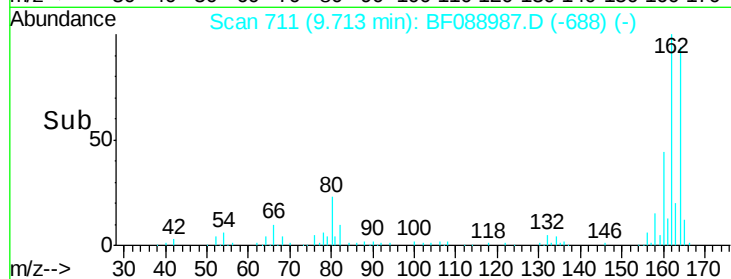
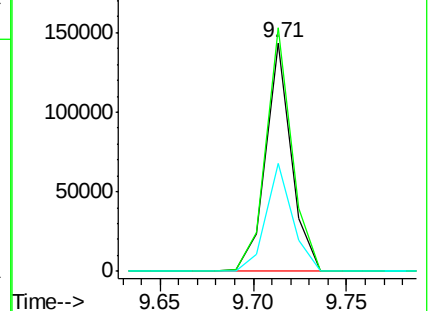
160 47.1 39.5 59.3



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: 83.17 ng

RT: 10.50 min Scan# 780

Delta R.T. -0.03 min

Lab File: BF088987.D

Acq: 14 Jul 2016 15:20

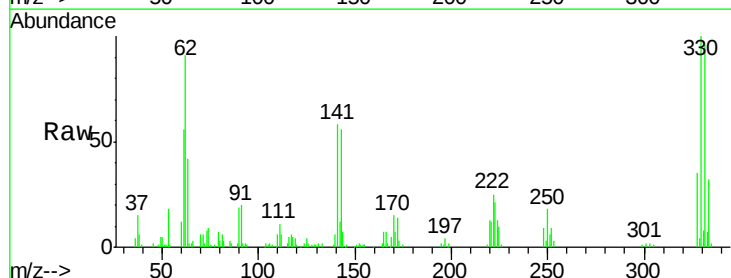
Tgt Ion:330 Resp: 106585

Ion Ratio Lower Upper

330 100

332 96.1 0.0 0.0#

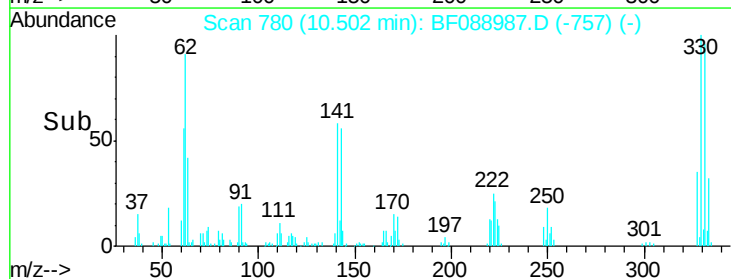
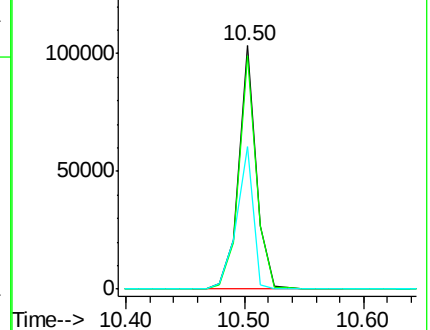
141 55.6 0.0 0.0#

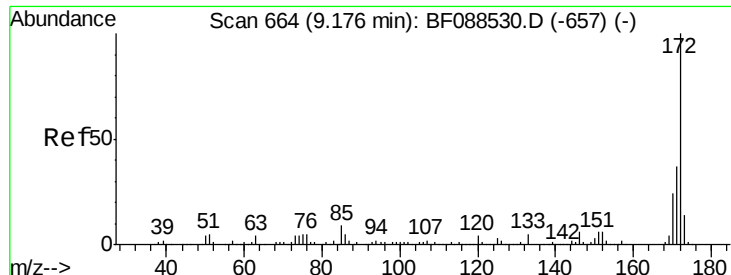


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

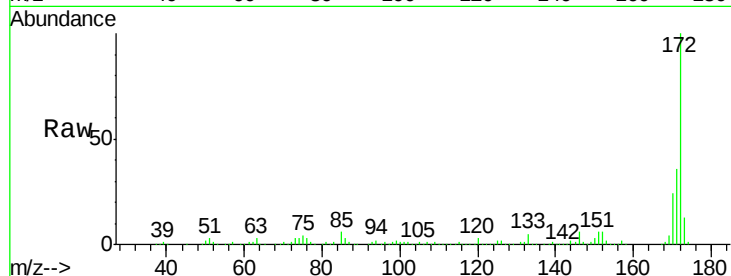




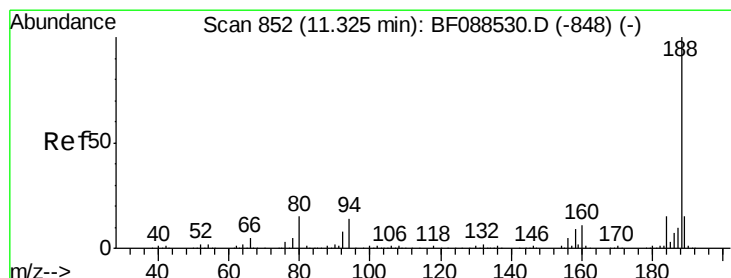
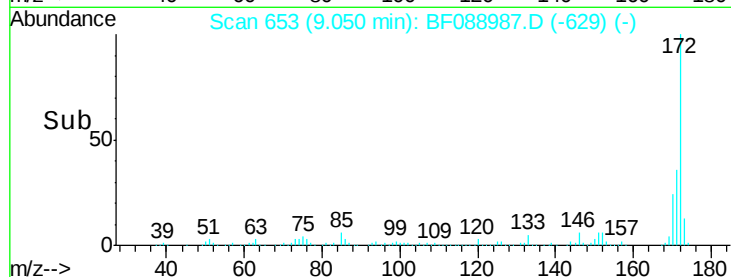
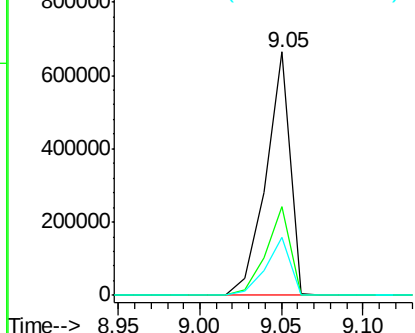
#44
 2-Fluorobiphenyl
 Concen: 78.31 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF088987.D
 Acq: 14 Jul 2016 15:20

Instrument :
 BNA_F
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 LOD-SOIL2016-01

Tgt Ion:172 Resp: 684186
 Ion Ratio Lower Upper
 172 100
 171 36.3 28.6 43.0
 170 24.0 19.2 28.8

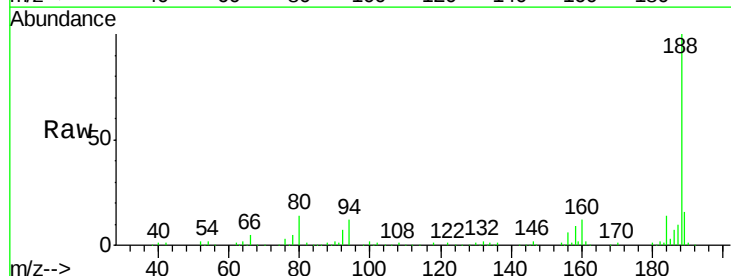


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

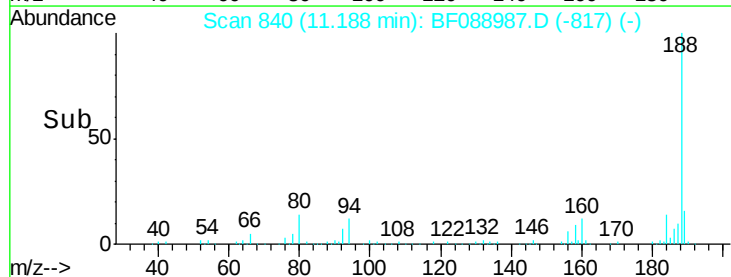
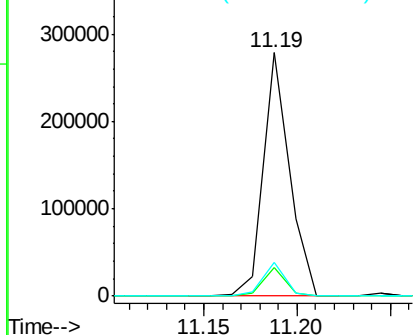


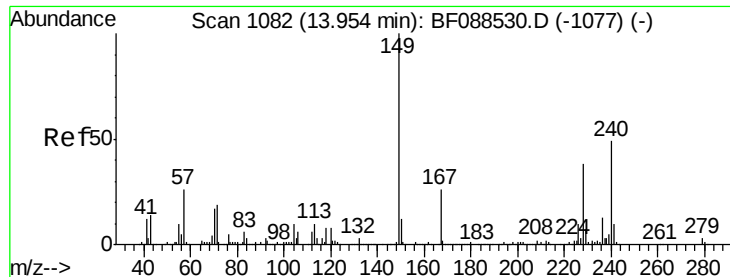
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.19 min Scan# 840
 Delta R.T. -0.03 min
 Lab File: BF088987.D
 Acq: 14 Jul 2016 15:20

Tgt Ion:188 Resp: 269457
 Ion Ratio Lower Upper
 188 100
 94 11.7 9.0 13.6
 80 13.6 10.0 15.0



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: 13.82 min Scan# 1070

Delta R.T. -0.03 min

Lab File: BF088987.D

Acq: 14 Jul 2016 15:20

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

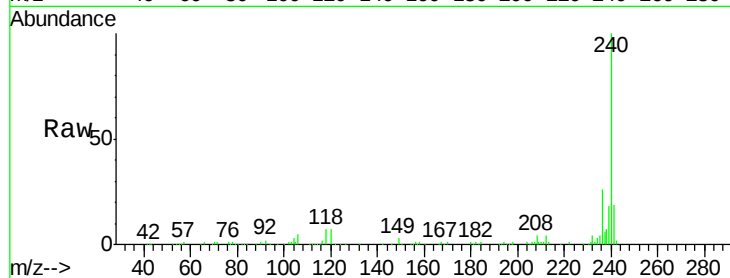
Tgt Ion:240 Resp: 244501

Ion Ratio Lower Upper

240 100

120 6.8 6.8 10.2#

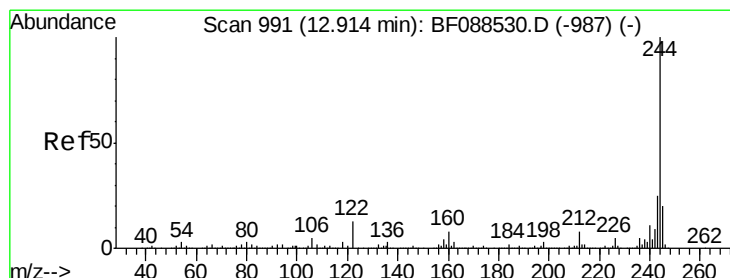
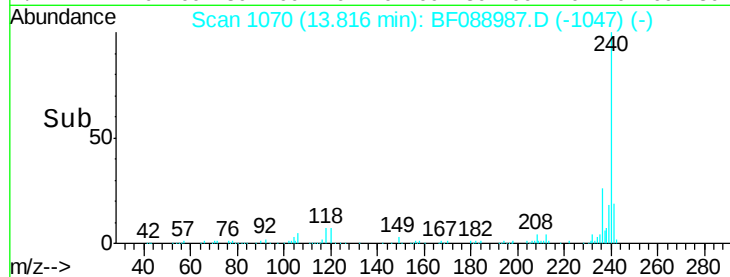
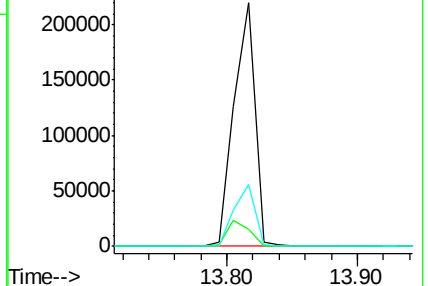
236 25.5 20.2 30.2



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: 50.47 ng

RT: 12.78 min Scan# 979

Delta R.T. -0.02 min

Lab File: BF088987.D

Acq: 14 Jul 2016 15:20

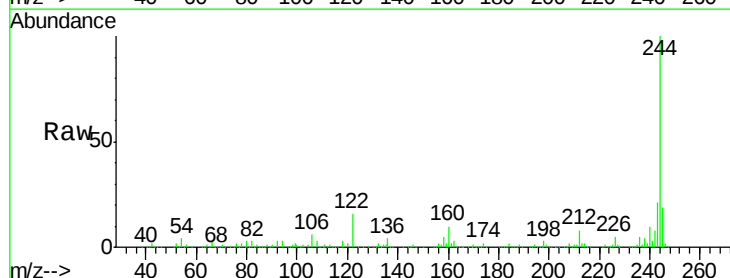
Tgt Ion:244 Resp: 554069

Ion Ratio Lower Upper

244 100

212 8.2 6.0 9.0

122 15.5 11.2 16.8



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

