

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040216\
 Data File : BF085980.D
 Acq On : 2 Apr 2016 00:10
 Operator : UM/SJ
 Sample : H1824-03
 Misc : LOD 2PPM
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Quant Time: Apr 02 01:14:03 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

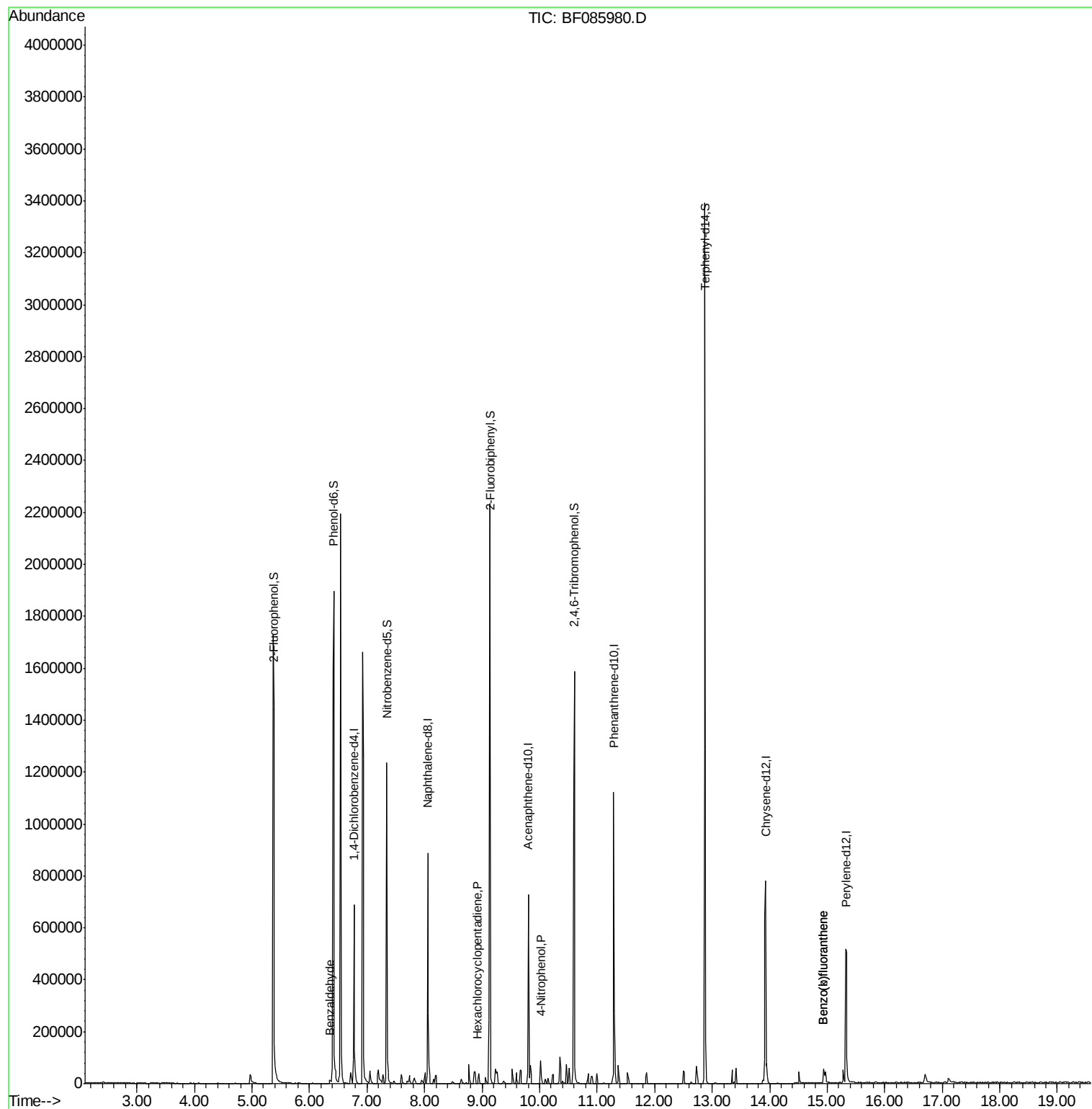
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	104680	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	421492	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	193545	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	394723	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	353533	20.00	ng	0.00
86) Perylene-d12	15.33	264	301530	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	786121	128.36	ng	0.01
7) Phenol-d6	6.42	99	1028144	132.17	ng	0.00
23) Nitrobenzene-d5	7.34	82	608956	85.20	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	284985	156.88	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1082995	93.04	ng	0.00
78) Terphenyl-d14	12.88	244	1113331	74.03	ng	0.00
Target Compounds						
9) Benzaldehyde	6.35	77	10137	2.42	ng	Qvalue 97
40) Hexachlorocyclopentadiene	8.92	237	258	5.55	ng	# 26
55) 4-Nitrophenol	10.02	139	13991	6.49	ng	# 15
87) Benzo(b)fluoranthene	14.93	252	53050	2.80	ng	98
88) Benzo(k)fluoranthene	14.93	252	53050	3.16	ng	# 96

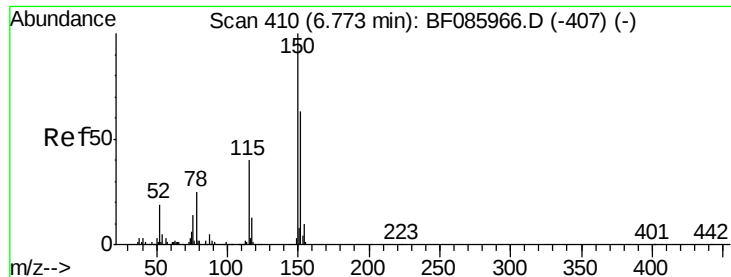
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 410

Delta R.T. 0.00 min

Lab File: BF085980.D

Acq: 2 Apr 2016 00:10

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

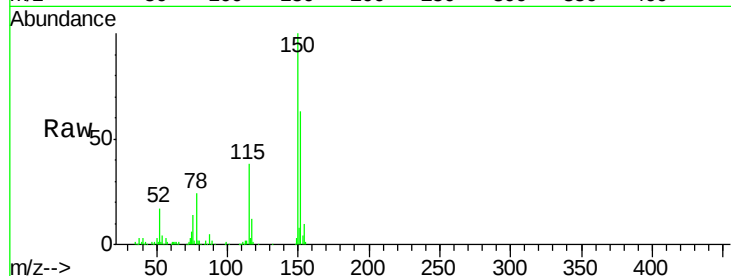
Tot Ion:152 Resp: 104680

Ion Ratio Lower Upper

152 100

150 159.5 124.2 186.2

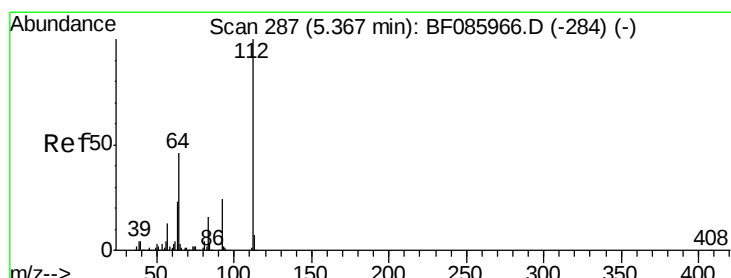
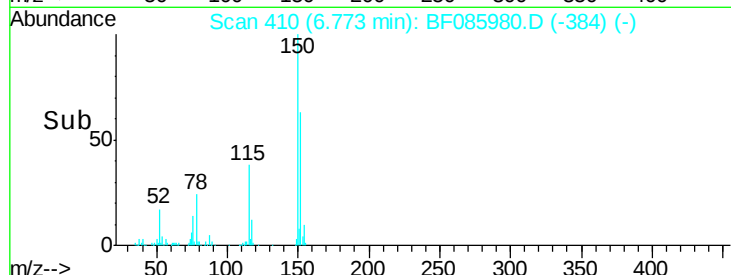
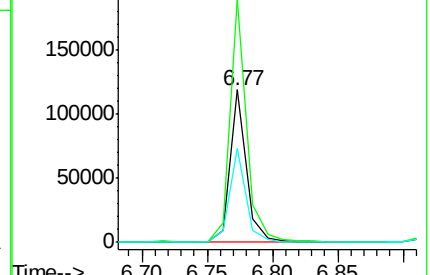
115 61.4 47.0 70.6



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: 128.36 ng

RT: 5.38 min Scan# 288

Delta R.T. 0.01 min

Lab File: BF085980.D

Acq: 2 Apr 2016 00:10

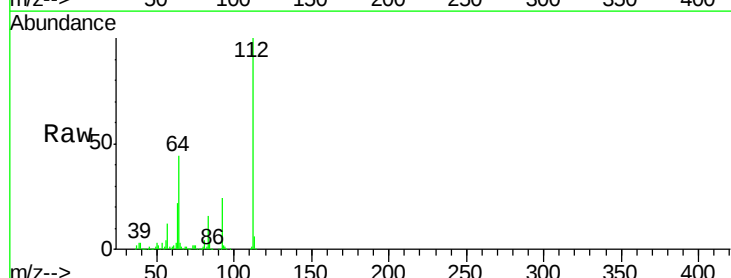
Tgt Ion:112 Resp: 786121

Ion Ratio Lower Upper

112 100

64 43.7 39.9 59.9

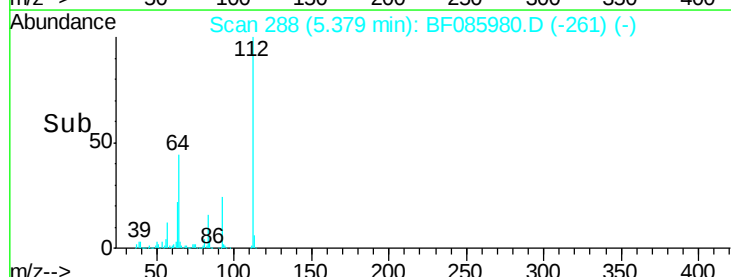
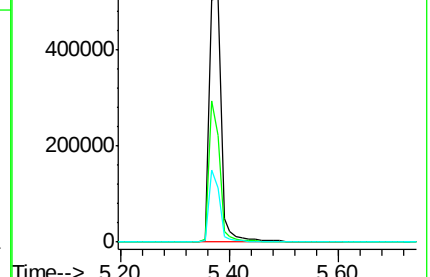
63 22.2 20.2 30.2



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: 132.17 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF085980.D

Acq: 2 Apr 2016 00:10

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

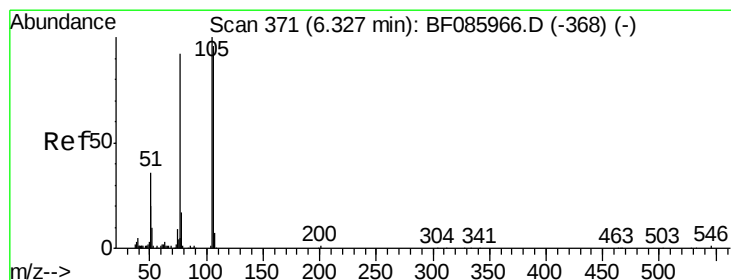
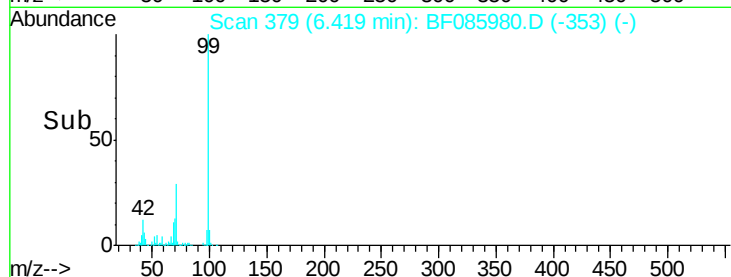
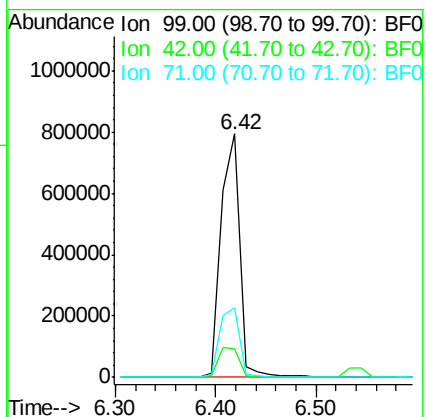
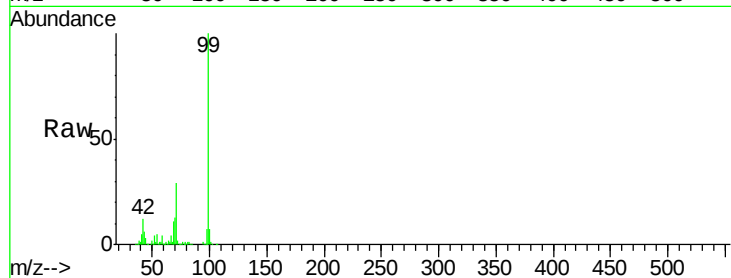
Tot Ion: 99 Resp: 1028144

Ion Ratio Lower Upper

99 100

42 11.7 11.1 16.7

71 28.7 24.9 37.3



#9

Benzaldehyde

Concen: 2.42 ng

RT: 6.35 min Scan# 373

Delta R.T. 0.02 min

Lab File: BF085980.D

Acq: 2 Apr 2016 00:10

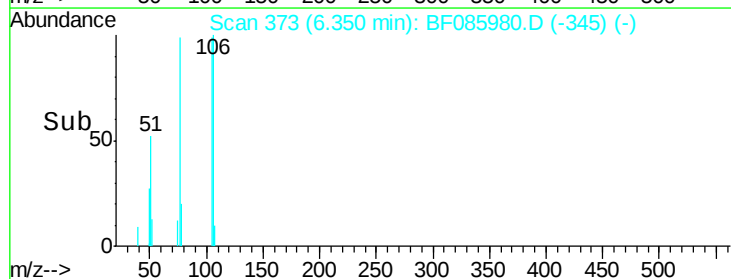
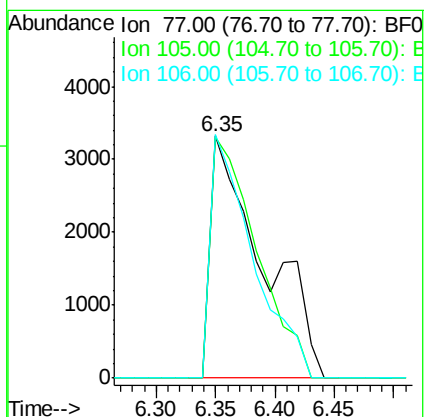
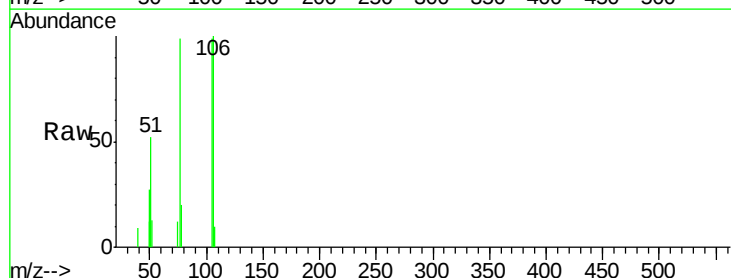
Tgt Ion: 77 Resp: 10137

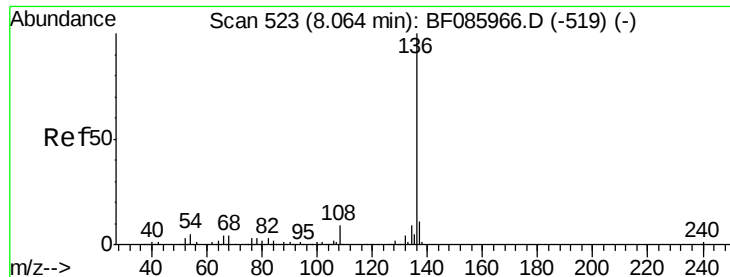
Ion Ratio Lower Upper

77 100

105 99.7 80.1 120.1

106 100.7 75.0 115.0

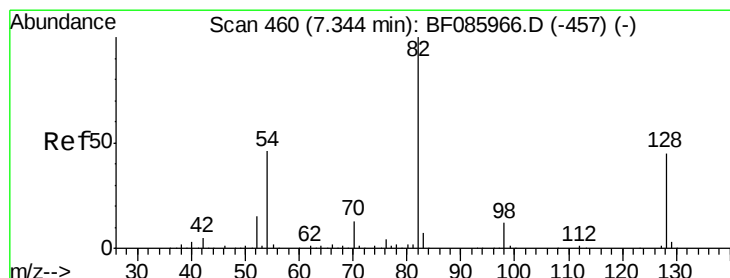
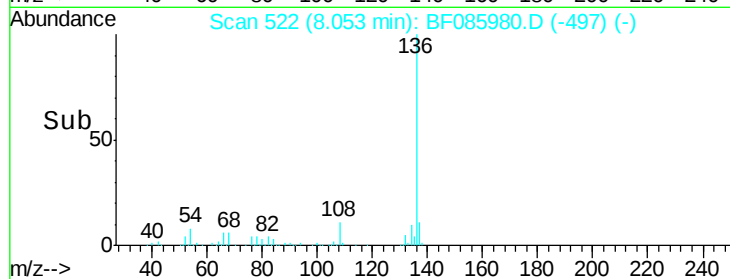
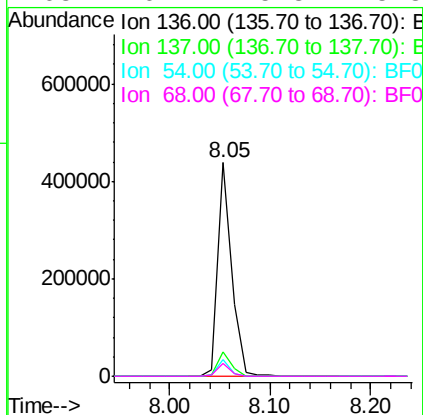
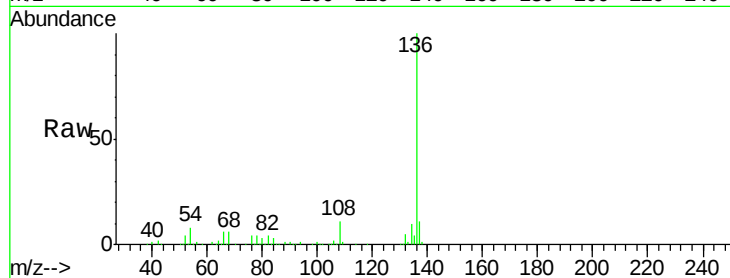




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.05 min Scan# 522
Delta R.T. -0.01 min
Lab File: BF085980.D
Acq: 2 Apr 2016 00:10

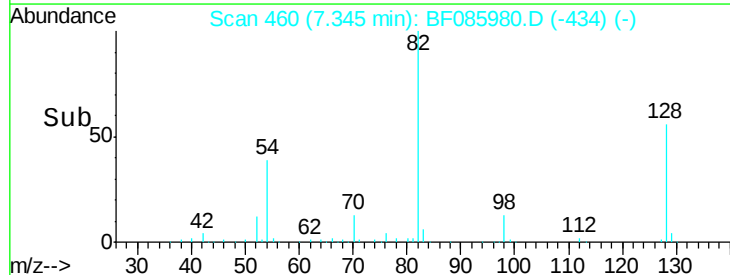
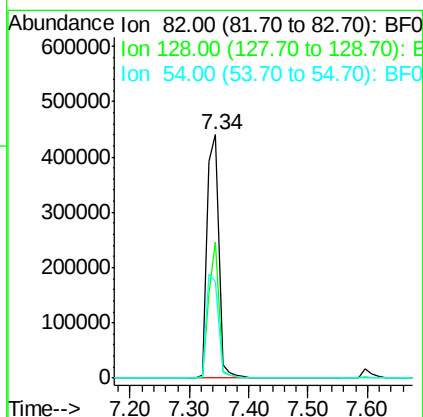
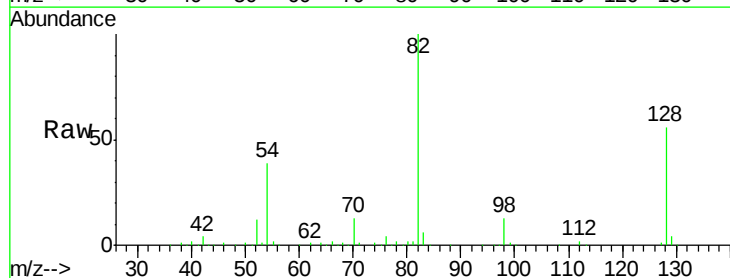
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

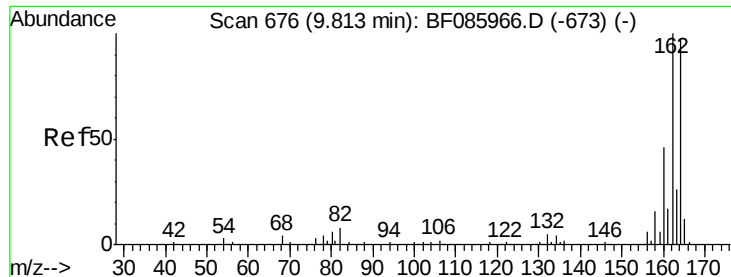
Tot Ion:136	Resp:	421492
Ion	Ratio	Lower Upper
136	100	
137	11.4	9.1 13.7
54	7.6	7.4 11.0
68	6.2	5.8 8.8



#23
Nitrobenzene-d5
Concen: 85.20 ng
RT: 7.34 min Scan# 460
Delta R.T. 0.00 min
Lab File: BF085980.D
Acq: 2 Apr 2016 00:10

Tgt Ion: 82	Resp:	608956
Ion	Ratio	Lower Upper
82	100	
128	56.1	41.8 62.8
54	39.4	33.4 50.0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF085980.D

Acq: 2 Apr 2016 00:10

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

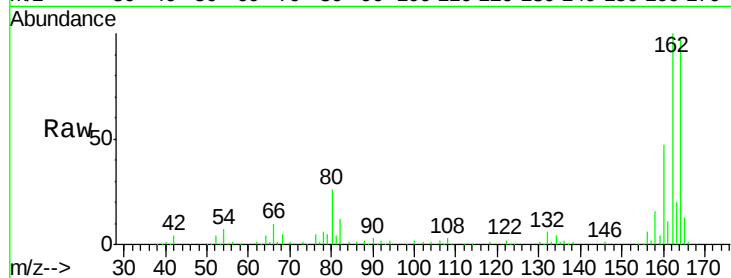
Tot Ion:164 Resp: 193545

Ion Ratio Lower Upper

164 100

162 101.7 82.1 123.1

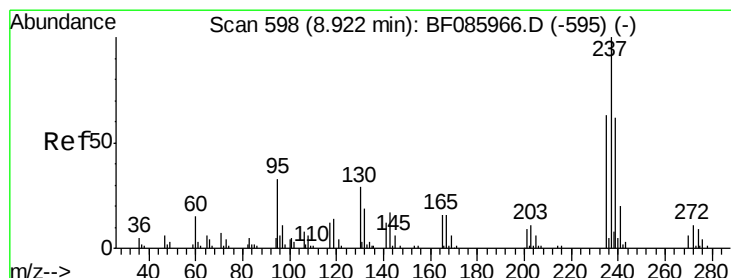
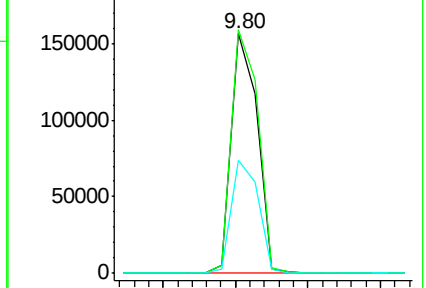
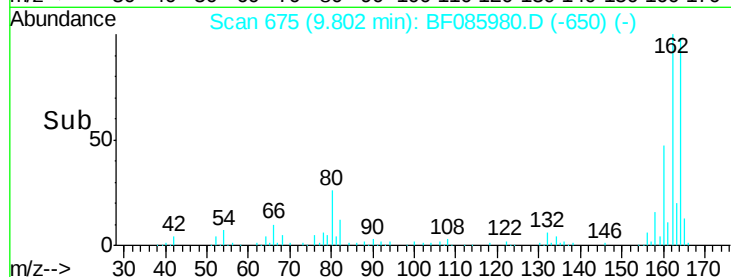
160 47.3 37.4 56.2



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



#40

Hexachlorocyclopentadiene

Concen: 5.55 ng

RT: 8.92 min Scan# 598

Delta R.T. 0.00 min

Lab File: BF085980.D

Acq: 2 Apr 2016 00:10

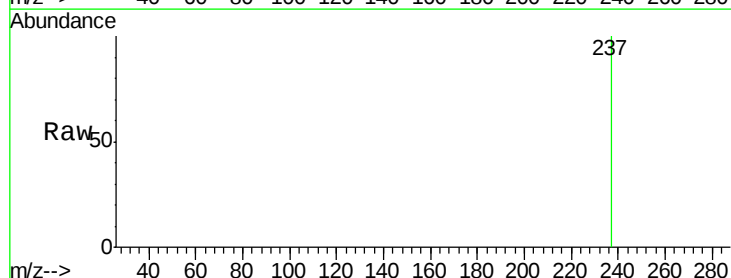
Tgt Ion:237 Resp: 258

Ion Ratio Lower Upper

237 100

235 0.0 43.7 83.7#

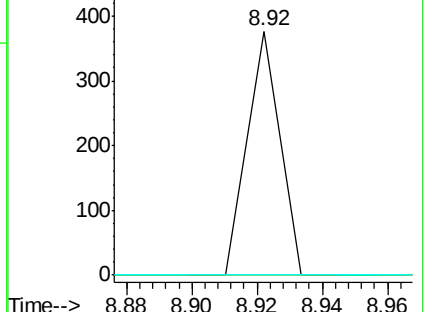
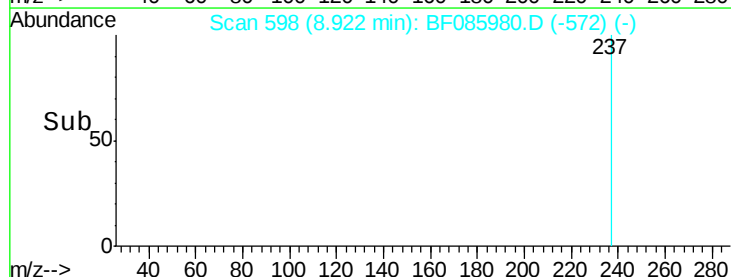
272 0.0 0.0 31.9

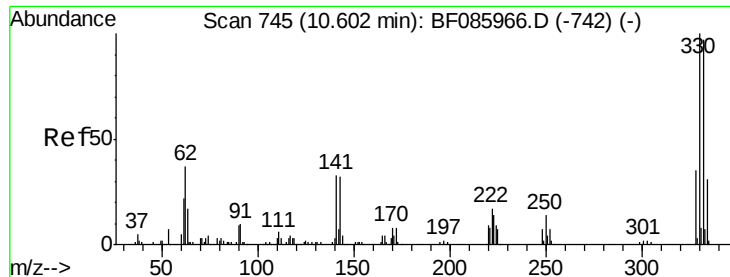


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

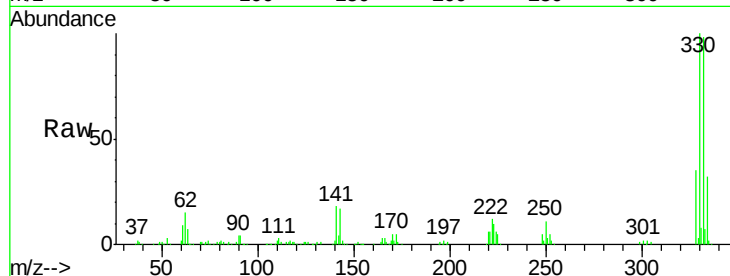




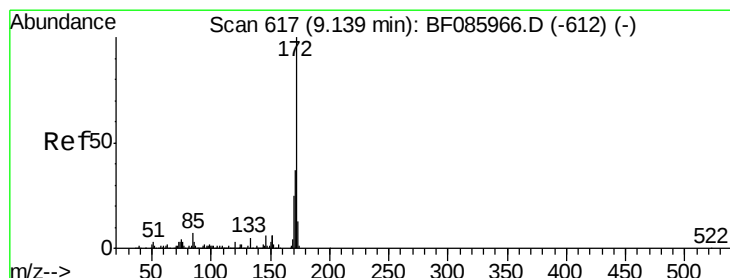
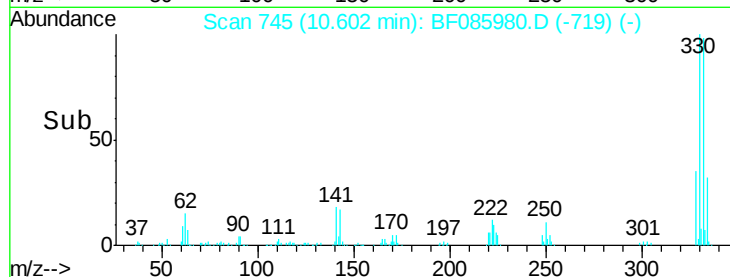
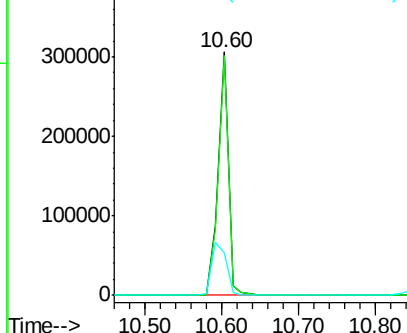
#41
 2,4,6-Tribromophenol
 Concen: 156.88 ng
 RT: 10.60 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: BF085980.D
 Acq: 2 Apr 2016 00:10

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion:330 Resp: 284985
 Ion Ratio Lower Upper
 330 100
 332 97.8 78.2 117.2
 141 31.3 31.5 47.3#

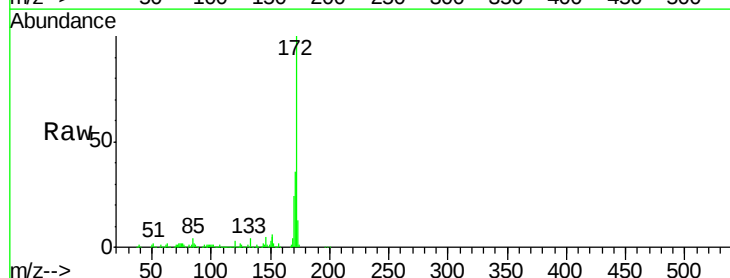


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

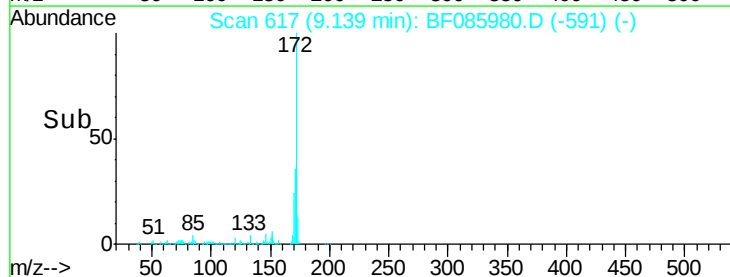
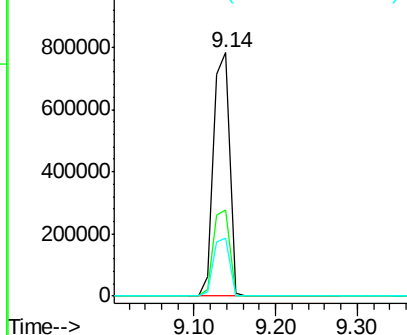


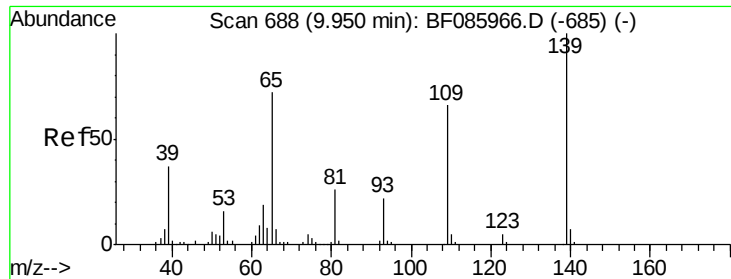
#44
 2-Fluorobiphenyl
 Concen: 93.04 ng
 RT: 9.14 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: BF085980.D
 Acq: 2 Apr 2016 00:10

Tgt Ion:172 Resp: 1082995
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.4 44.2
 170 23.9 19.8 29.6



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

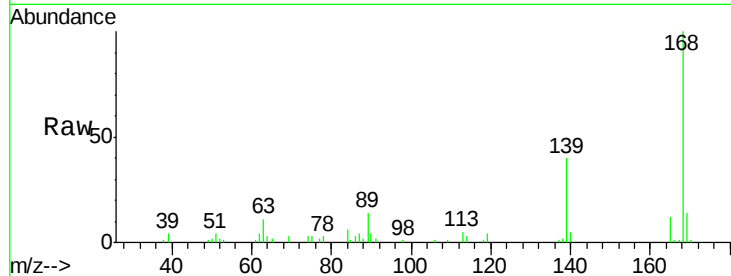




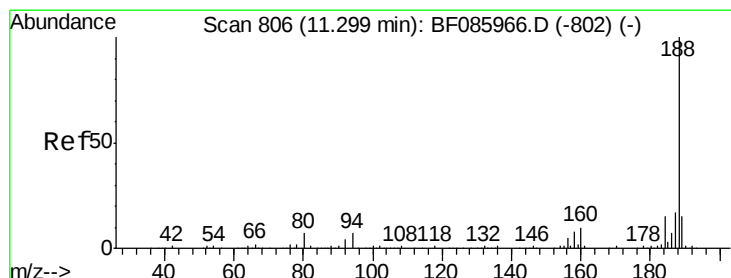
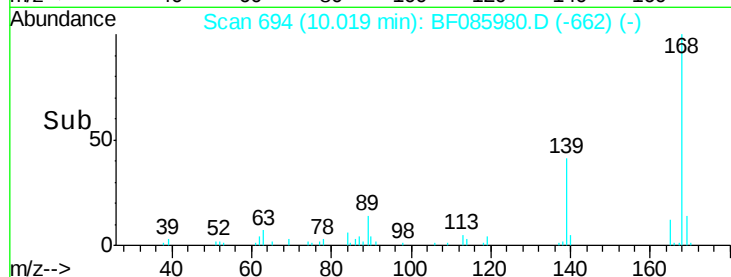
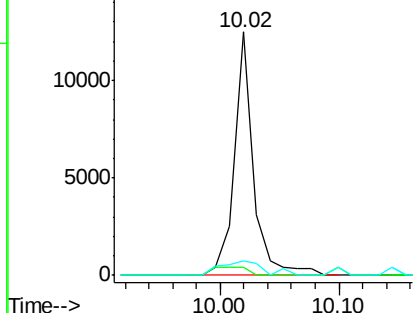
#55
4-Nitrophenol
Concen: 6.49 ng
RT: 10.02 min Scan# 694
Delta R.T. 0.07 min
Lab File: BF085980.D
Acq: 2 Apr 2016 00:10

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion:139 Resp: 13991
Ion Ratio Lower Upper
139 100
109 3.1 49.2 89.2#
65 6.0 66.9 106.9#

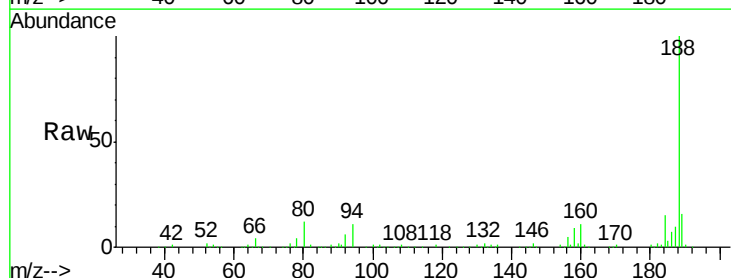


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

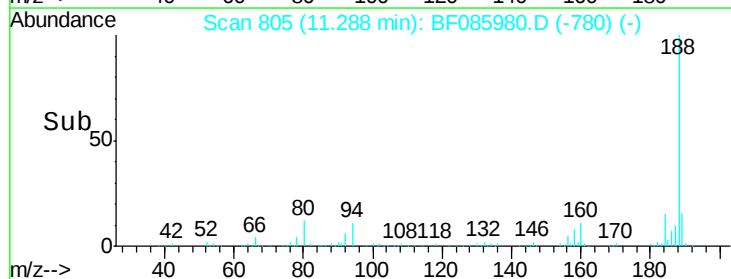
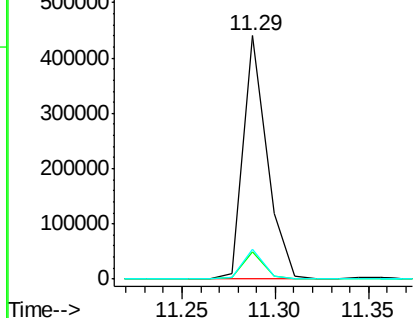


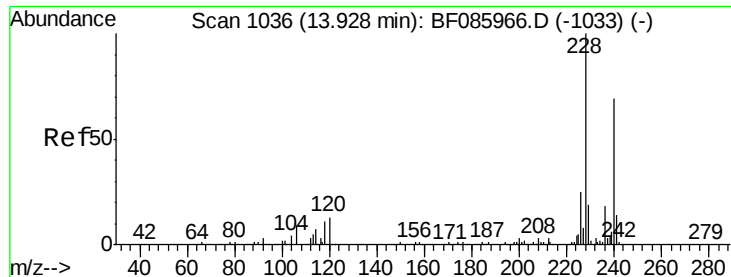
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF085980.D
Acq: 2 Apr 2016 00:10

Tgt Ion:188 Resp: 394723
Ion Ratio Lower Upper
188 100
94 11.4 5.4 8.0#
80 12.4 5.5 8.3#



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: 13.93 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF085980.D

Acq: 2 Apr 2016 00:10

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

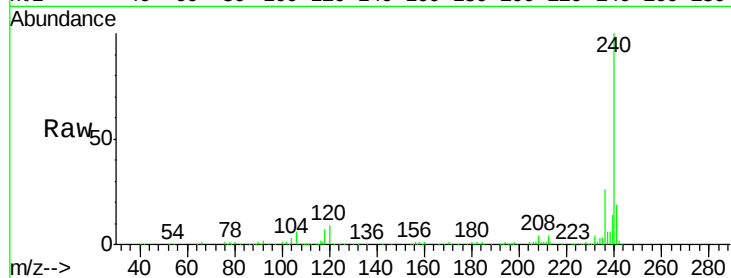
Tot Ion:240 Resp: 353533

Ion Ratio Lower Upper

240 100

120 8.8 13.8 20.8#

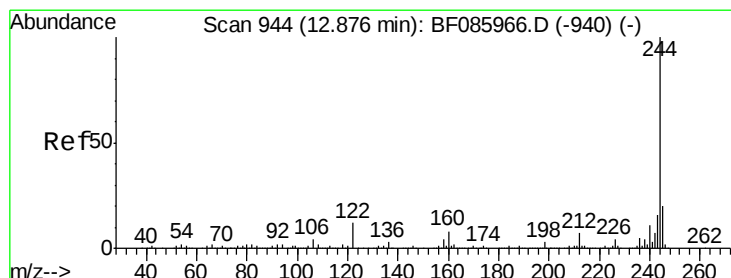
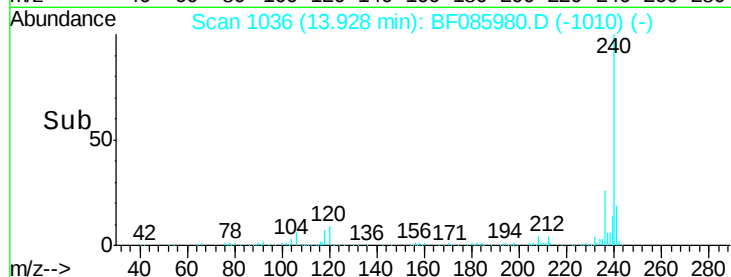
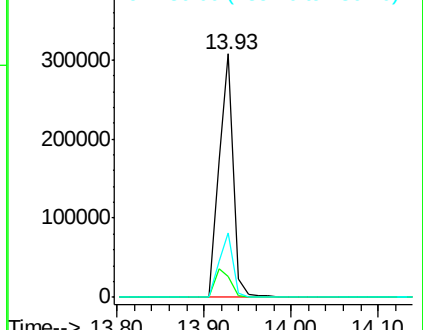
236 26.4 20.6 30.8



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: 74.03 ng

RT: 12.88 min Scan# 944

Delta R.T. 0.00 min

Lab File: BF085980.D

Acq: 2 Apr 2016 00:10

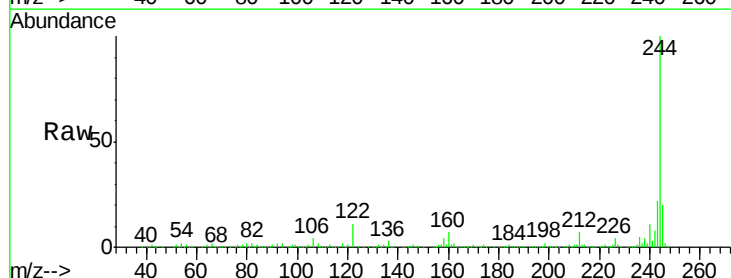
Tgt Ion:244 Resp: 1113331

Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

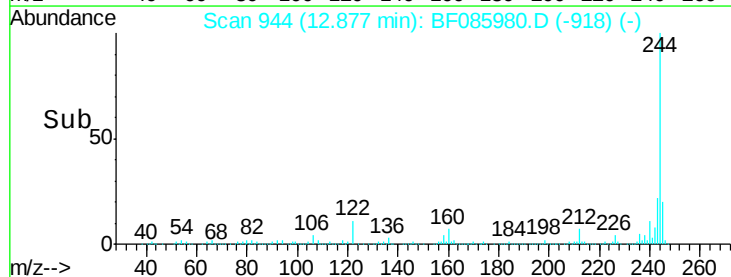
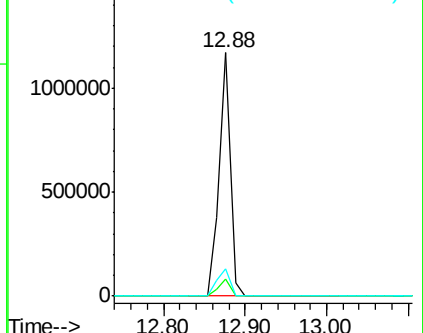
122 11.0 10.2 15.4

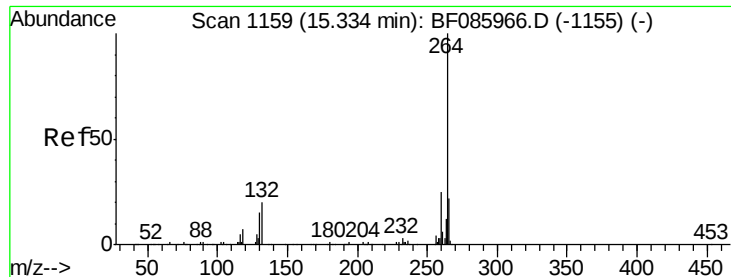


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

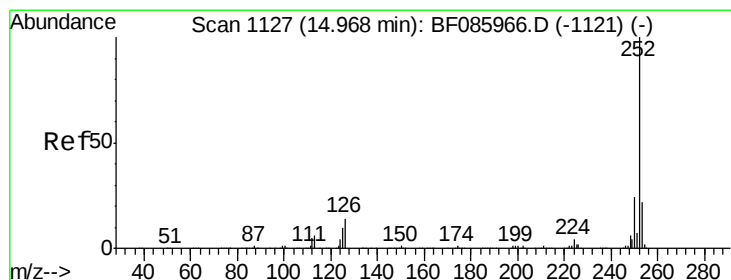
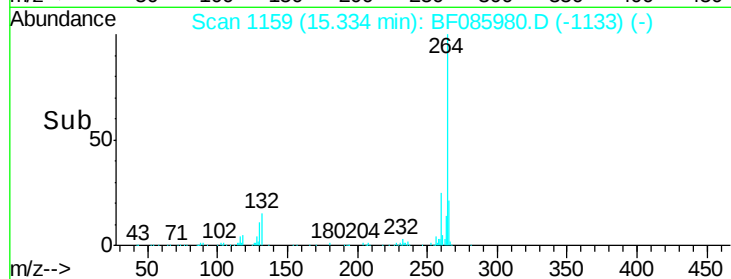
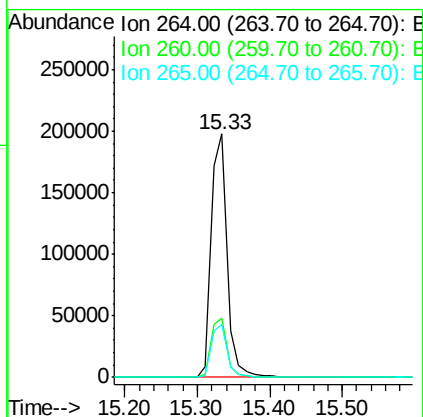
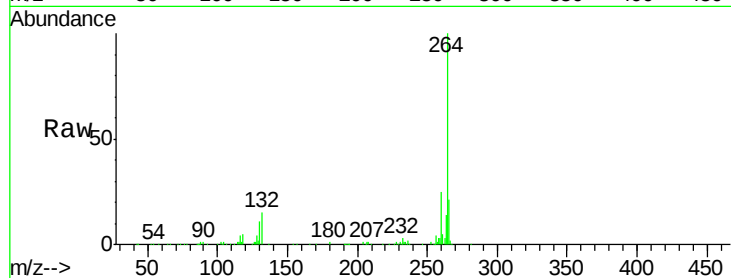




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BF085980.D
Acq: 2 Apr 2016 00:10

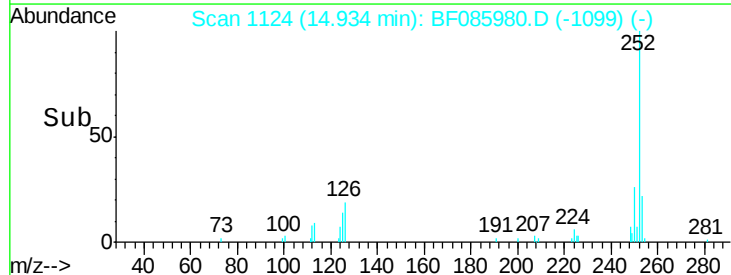
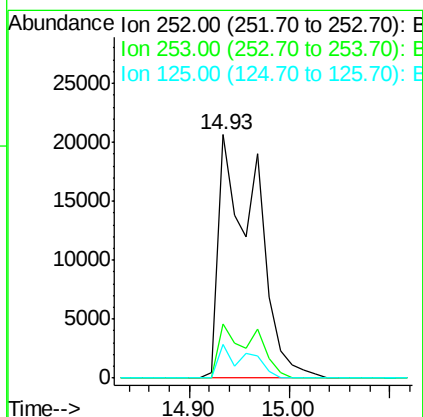
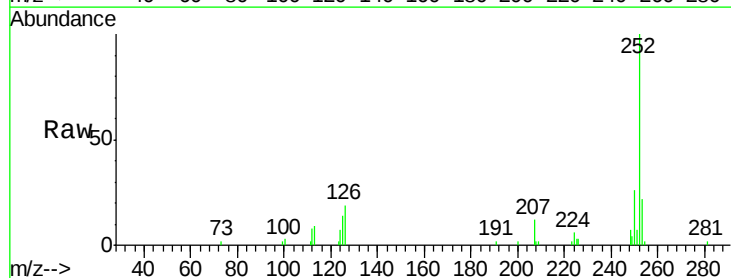
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

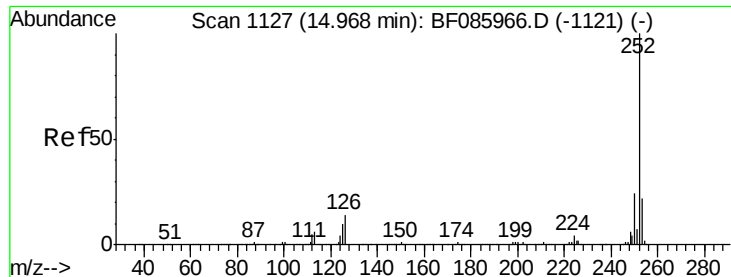
Tot Ion:264 Resp: 301530
Ion Ratio Lower Upper
264 100
260 24.6 19.4 29.2
265 21.5 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 2.80 ng
RT: 14.93 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF085980.D
Acq: 2 Apr 2016 00:10

Tgt Ion:252 Resp: 53050
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 14.1 10.3 15.5

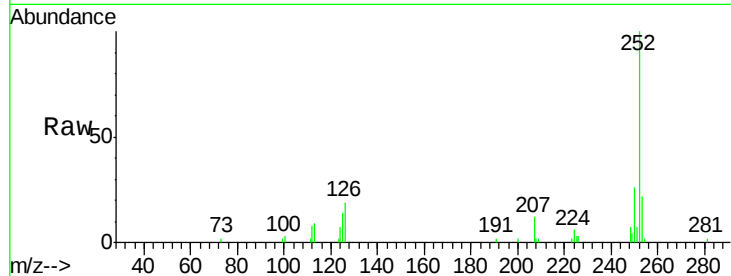




#88
 Benzo(k)fluoranthene
 Concen: 3.16 ng
 RT: 14.93 min Scan# 1124
 Delta R.T. -0.03 min
 Lab File: BF085980.D
 Acq: 2 Apr 2016 00:10

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion:252 Resp: 53050
 Ion Ratio Lower Upper
 252 100
 253 22.4 17.8 26.6
 125 14.1 7.7 11.5#



Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 253.00 (252.70 to 253.70): E
 Ion 125.00 (124.70 to 125.70): E

