

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100516\
 Data File : BF090386.D
 Acq On : 5 Oct 2016 18:18
 Operator : UM/SJ
 Sample : H4818-01
 Misc : LOD 5PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

Quant Time: Oct 06 01:37:05 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF100516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 05 14:57:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	230917	20.00	ng	0.00
21) Naphthalene-d8	8.29	136	966310	20.00	ng	0.00
38) Acenaphthene-d10	10.05	164	488541	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	733635	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	624065	20.00	ng	-0.01
86) Perylene-d12	15.70	264	452473	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	1844993	119.25	ng	0.01
7) Phenol-d6	6.62	99	2250191	111.04	ng	0.00
23) Nitrobenzene-d5	7.56	82	1566837	78.87	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	516778	130.09	ng	-0.01
44) 2-Fluorobiphenyl	9.37	172	2546582	86.85	ng	-0.01
78) Terphenyl-d14	13.14	244	2462435	88.71	ng	0.00

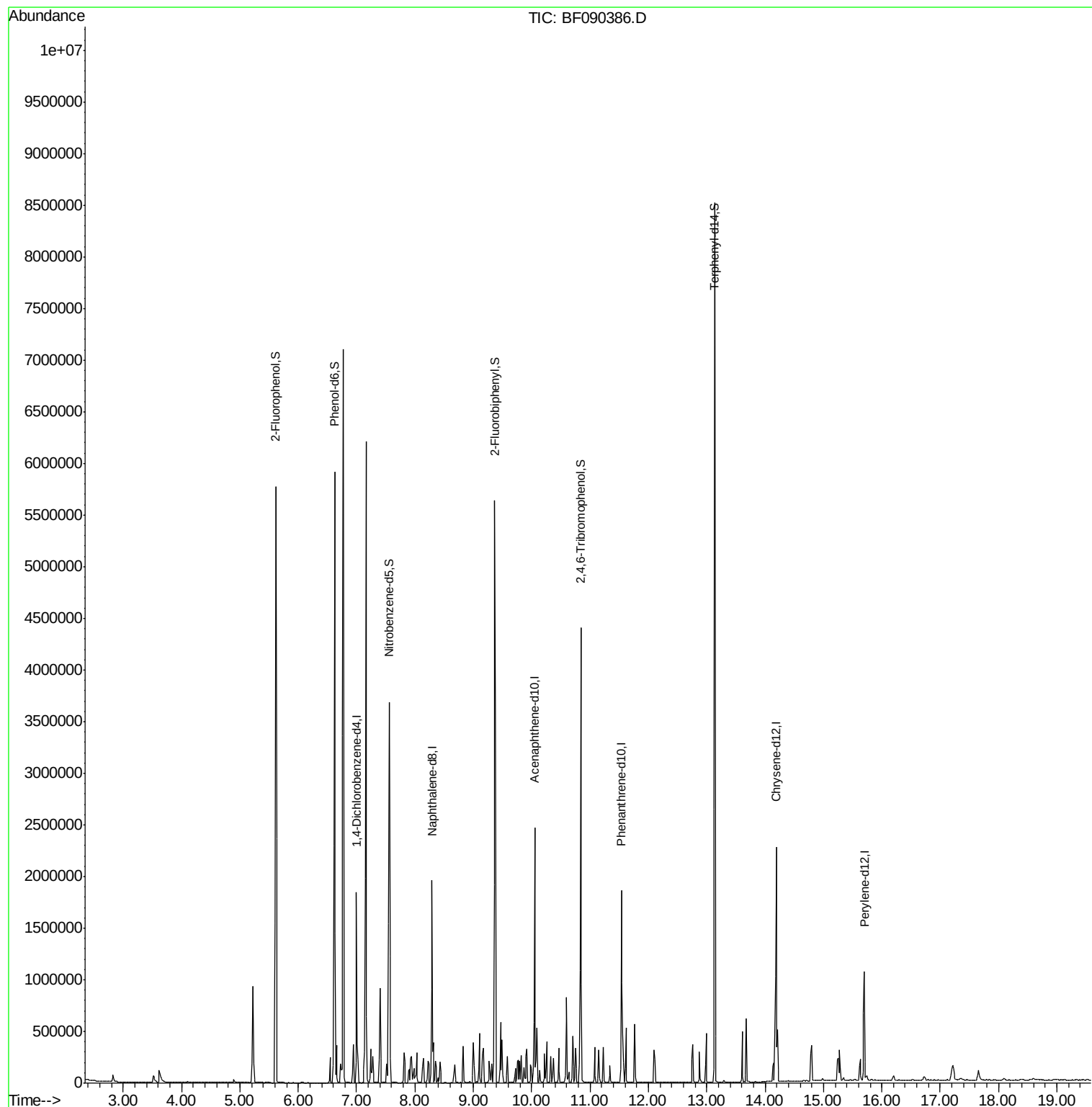
Target Compounds Qvalue

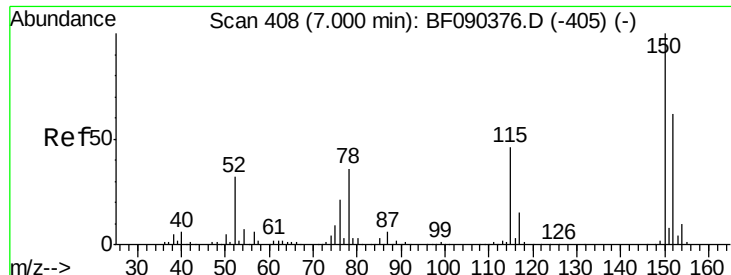
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.00 min Scan# 408

Delta R.T. -0.00 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

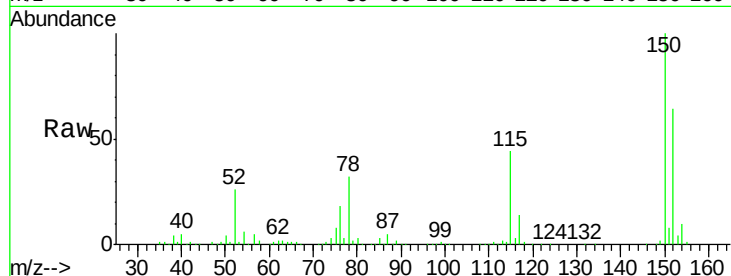
Tot Ion:152 Resp: 230917

Ion Ratio Lower Upper

152 100

150 156.1 124.6 186.8

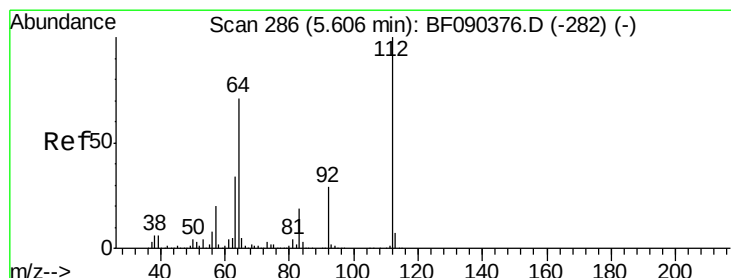
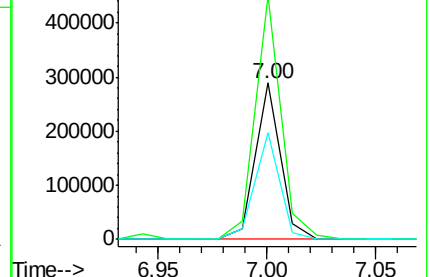
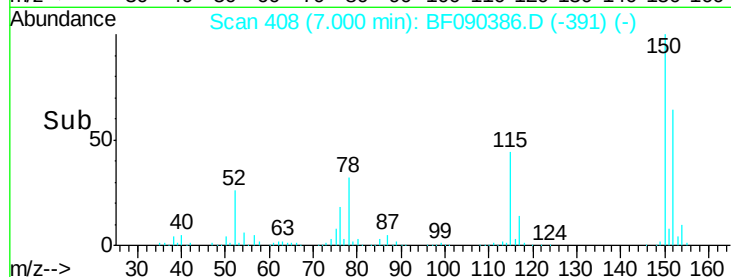
115 68.0 46.2 69.4



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: 119.25 ng

RT: 5.62 min Scan# 287

Delta R.T. 0.01 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

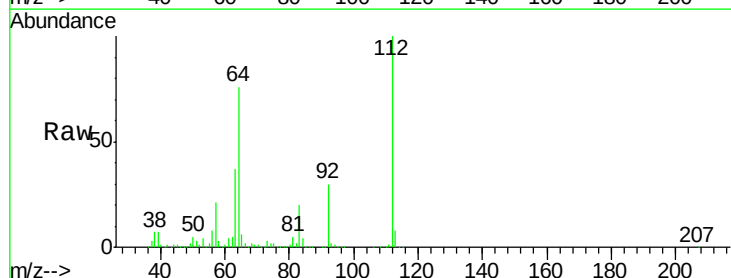
Tgt Ion:112 Resp: 1844993

Ion Ratio Lower Upper

112 100

64 76.3 57.9 86.9

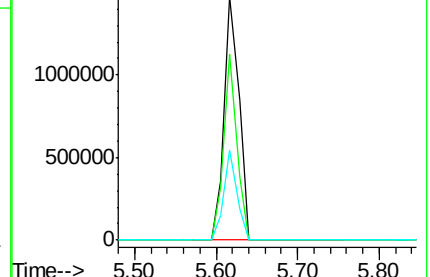
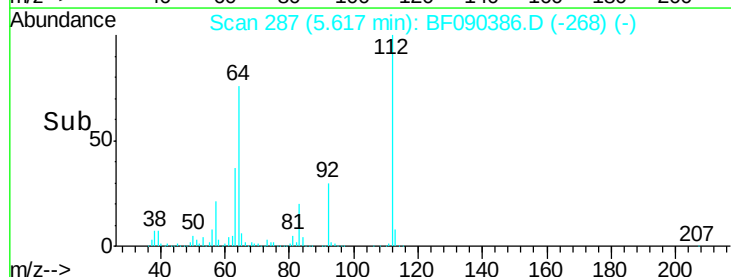
63 36.7 29.6 44.4

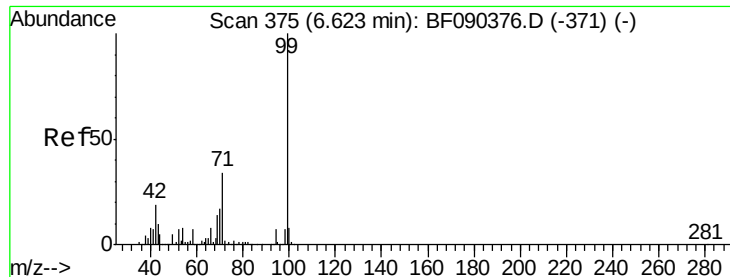


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 111.04 ng

RT: 6.62 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

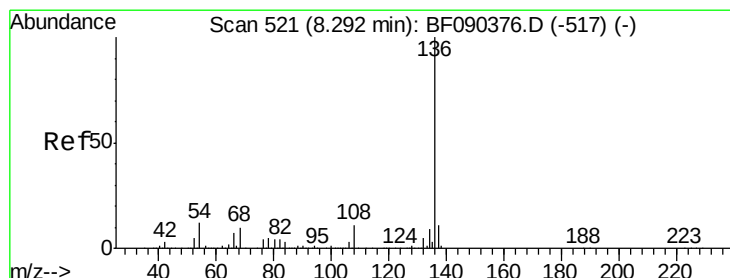
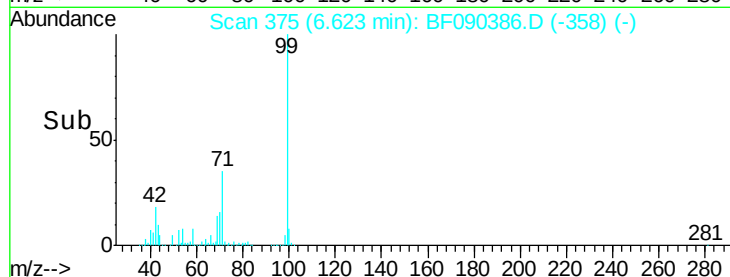
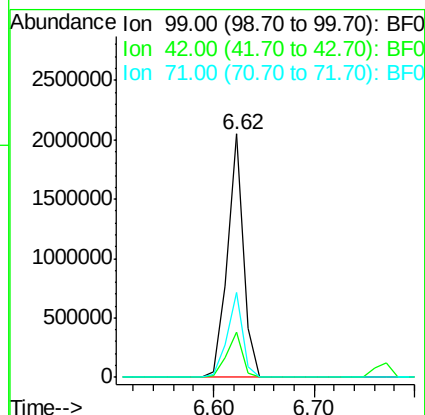
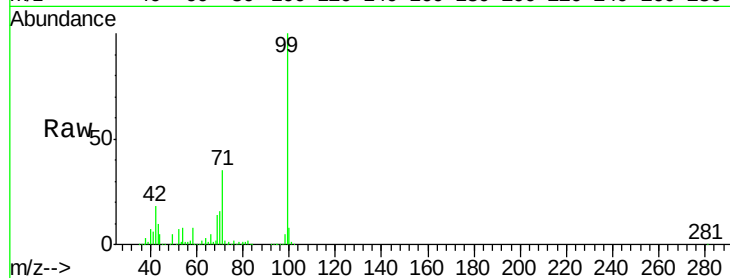
Tot Ion: 99 Resp: 2250191

Ion Ratio Lower Upper

99 100

42 18.4 20.0 30.0#

71 34.8 27.9 41.9



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.29 min Scan# 521

Delta R.T. -0.00 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

Tgt Ion: 136 Resp: 966310

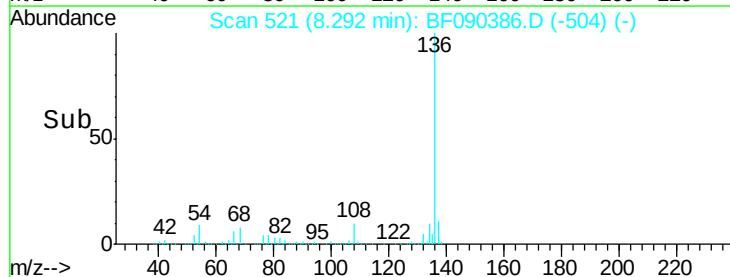
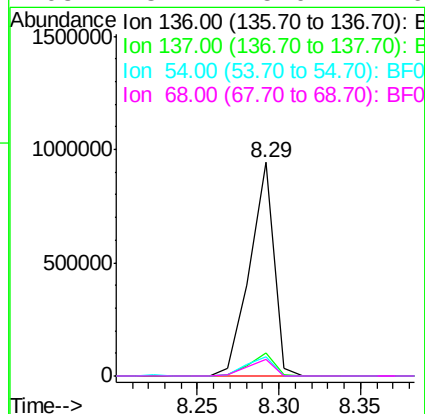
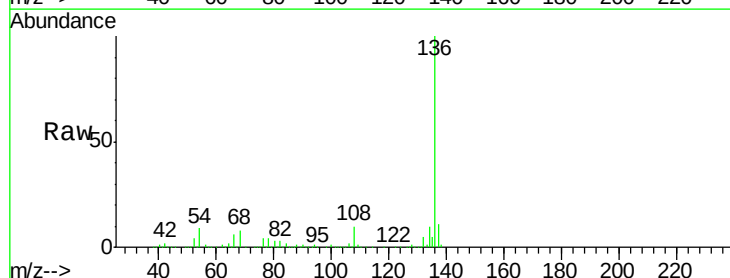
Ion Ratio Lower Upper

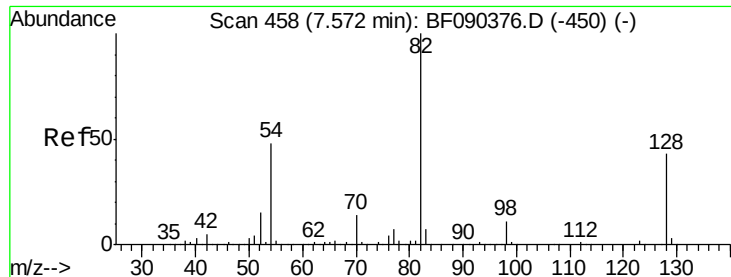
136 100

137 11.0 9.0 13.6

54 9.3 6.6 10.0

68 8.1 5.0 7.6#

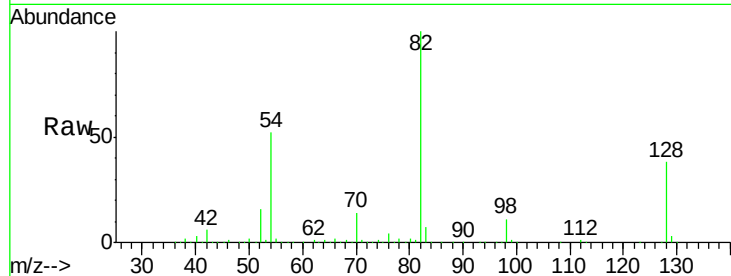




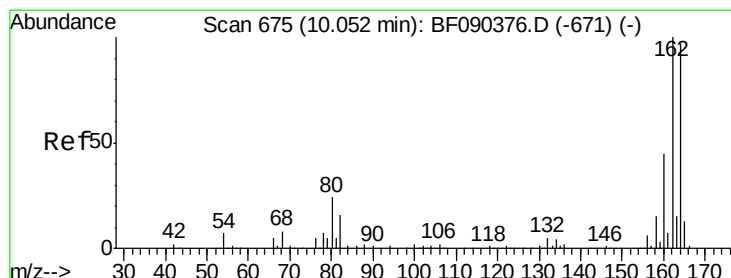
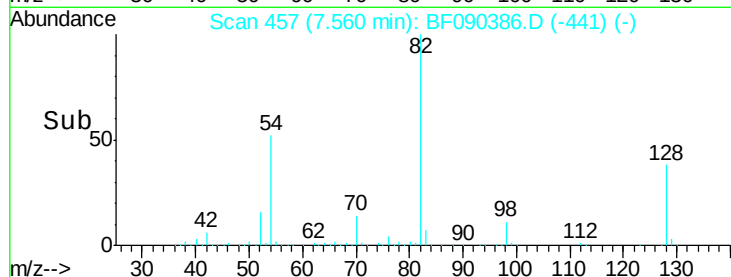
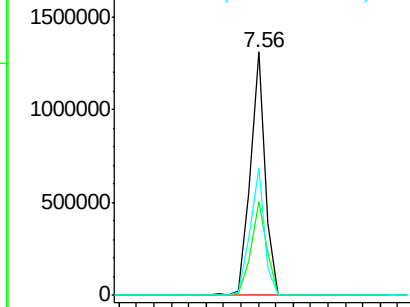
#23
 Nitrobenzene-d5
 Concen: 78.87 ng
 RT: 7.56 min Scan# 457
 Delta R.T. -0.01 min
 Lab File: BF090386.D
 Acq: 5 Oct 2016 18:18

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

Tot Ion: 82 Resp: 1566837
 Ion Ratio Lower Upper
 82 100
 128 38.5 40.0 60.0#
 54 52.0 42.6 64.0

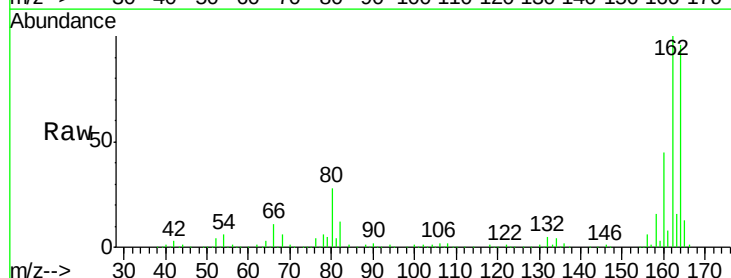


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

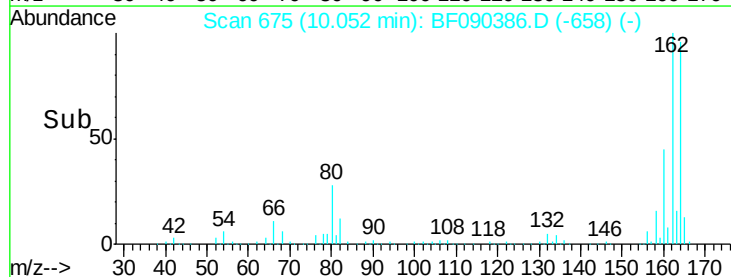
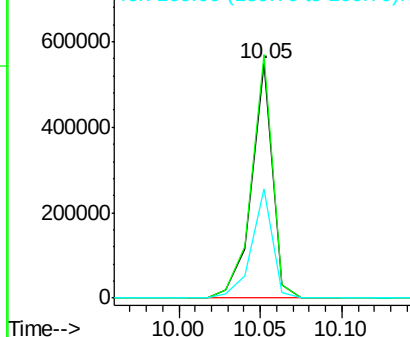


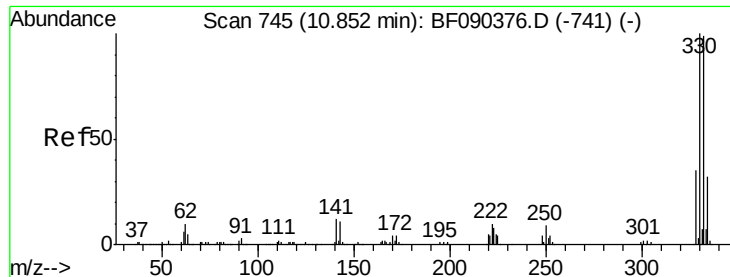
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.05 min Scan# 675
 Delta R.T. -0.00 min
 Lab File: BF090386.D
 Acq: 5 Oct 2016 18:18

Tgt Ion:164 Resp: 488541
 Ion Ratio Lower Upper
 164 100
 162 103.9 80.1 120.1
 160 46.8 36.3 54.5



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

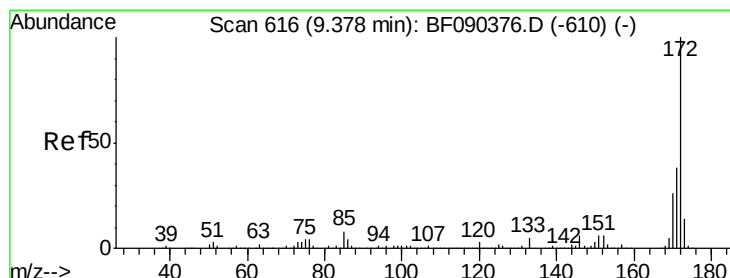
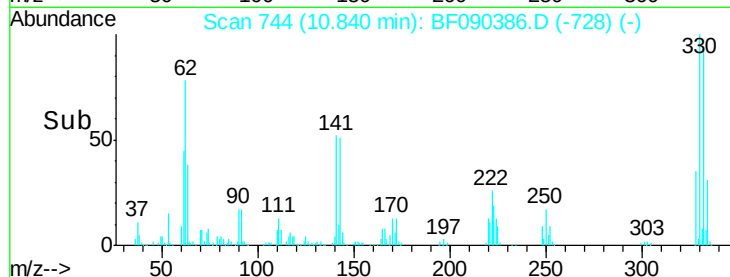
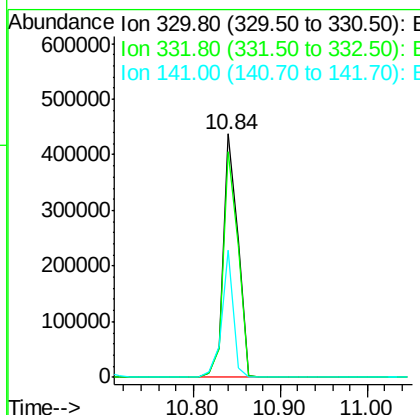
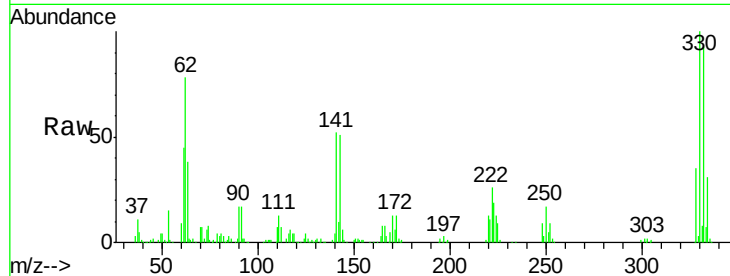




#41
 2,4,6-Tribromophenol
 Concen: 130.09 ng
 RT: 10.84 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: BF090386.D
 Acq: 5 Oct 2016 18:18

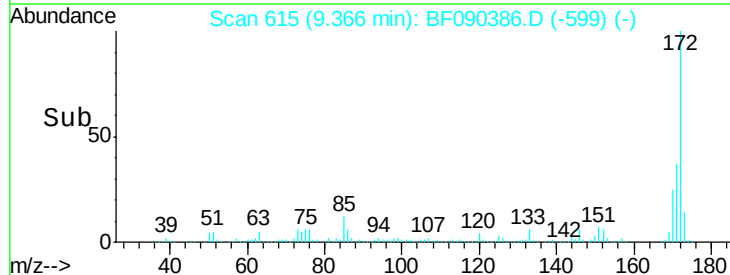
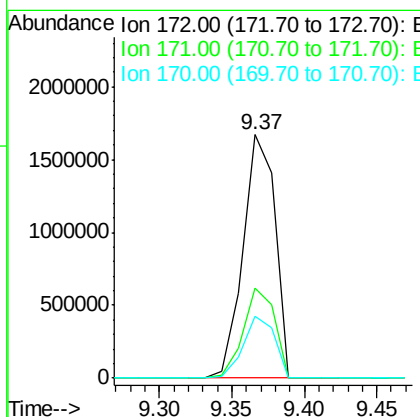
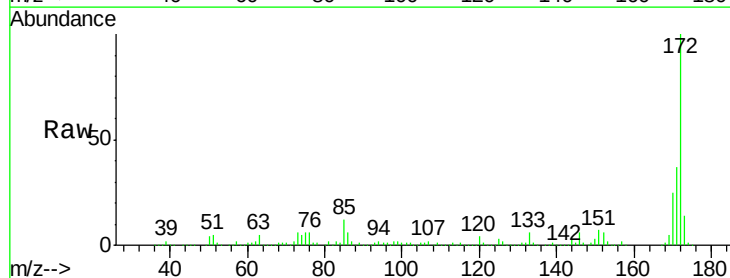
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

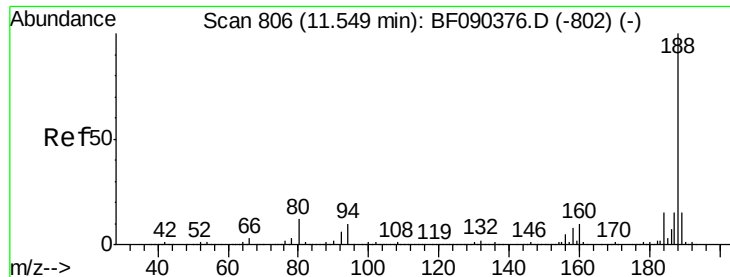
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.3	75.4	113.0
141	41.9	26.9	40.3#



#44
 2-Fluorobiphenyl
 Concen: 86.85 ng
 RT: 9.37 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: BF090386.D
 Acq: 5 Oct 2016 18:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	31.8	47.8
170	25.3	21.7	32.5

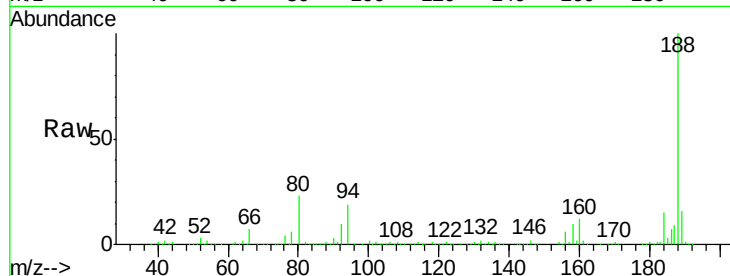




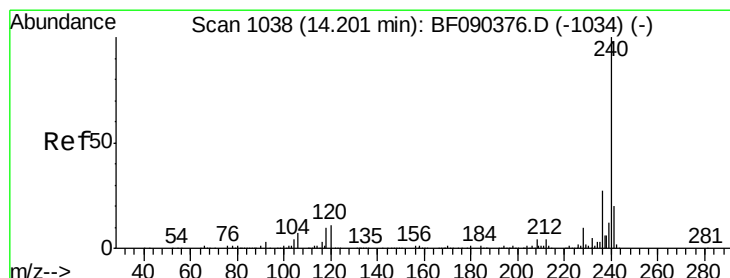
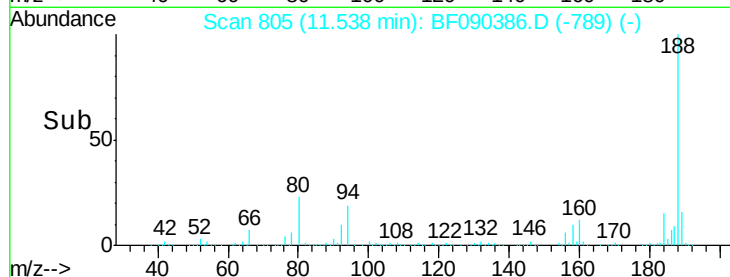
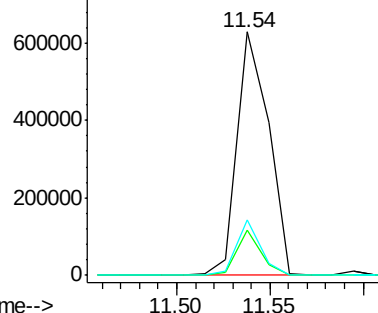
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.54 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF090386.D
Acq: 5 Oct 2016 18:18

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

Tot Ion:188 Resp: 733635
Ion Ratio Lower Upper
188 100
94 18.5 8.2 12.2#
80 22.5 8.8 13.2#

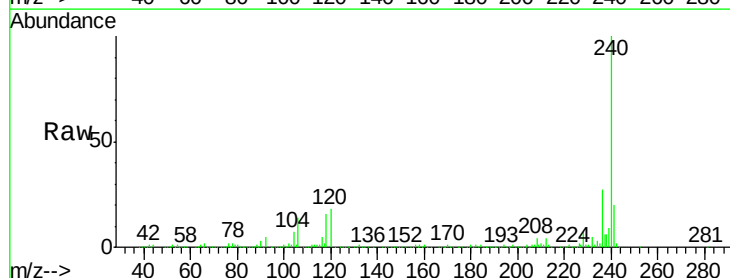


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

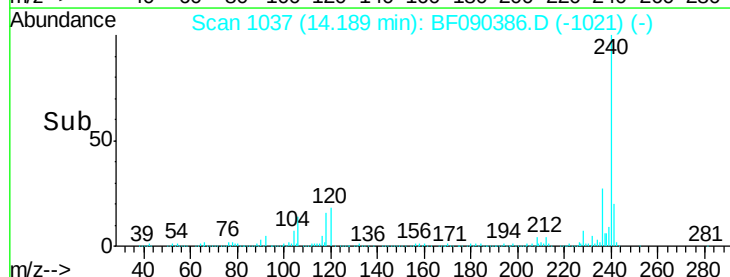
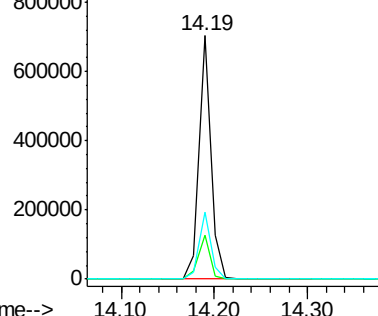


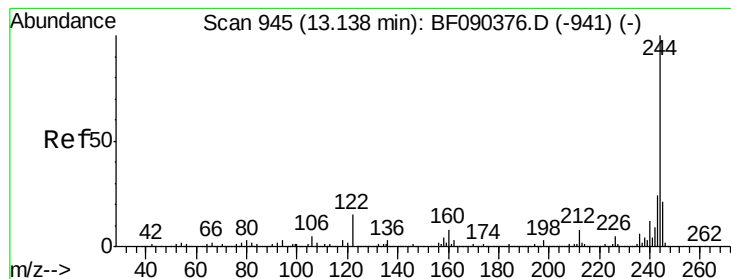
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF090386.D
Acq: 5 Oct 2016 18:18

Tgt Ion:240 Resp: 624065
Ion Ratio Lower Upper
240 100
120 18.0 8.6 13.0#
236 27.3 21.6 32.4



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: 88.71 ng

RT: 13.14 min Scan# 945

Delta R.T. -0.00 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

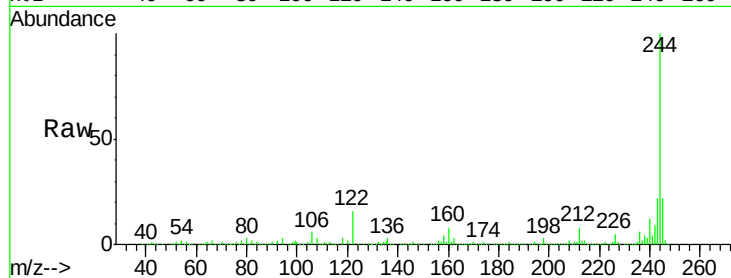
Tot Ion:244 Resp: 2462435

Ion Ratio Lower Upper

244 100

212 8.1 6.8 10.2

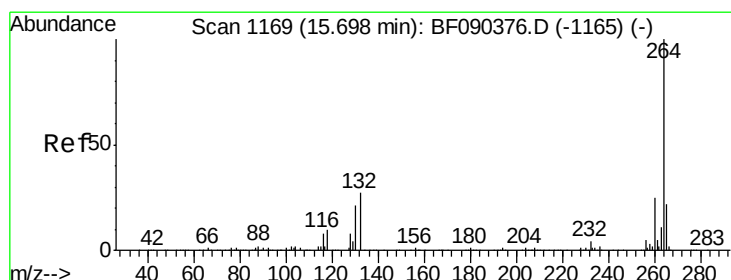
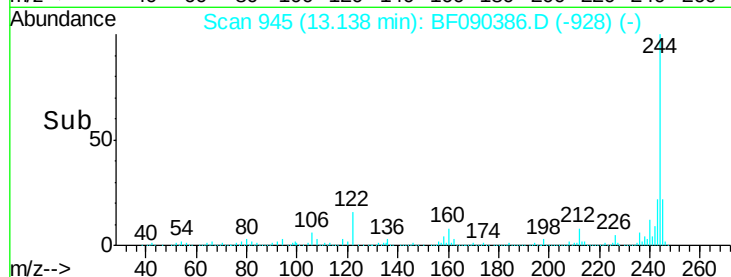
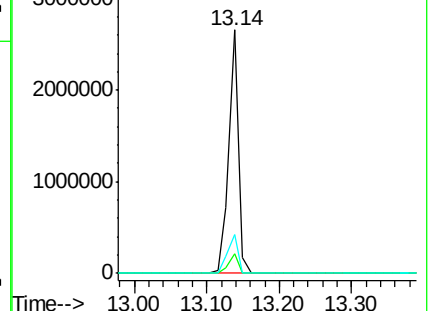
122 15.9 13.3 19.9



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

Perylene-d12

Concen: 20.00 ng

RT: 15.70 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

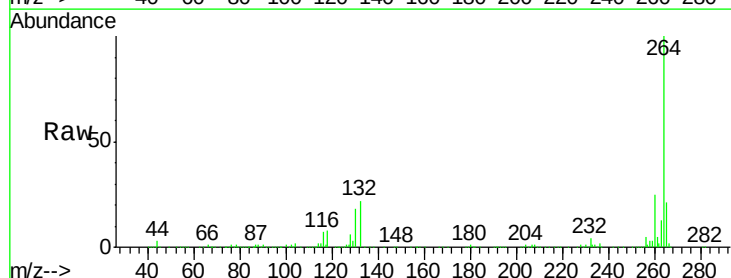
Tgt Ion:264 Resp: 452473

Ion Ratio Lower Upper

264 100

260 25.1 19.3 28.9

265 21.5 17.4 26.0



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

