

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021815\
 Data File : BF077361.D
 Acq On : 18 Feb 2015 19:32
 Operator : TP/IZ
 Sample : G1303-01
 Misc : TCLP
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CHARACTERIZATION

Quant Time: Feb 19 03:28:21 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 18 09:51:00 2015
 Response via : Initial Calibration

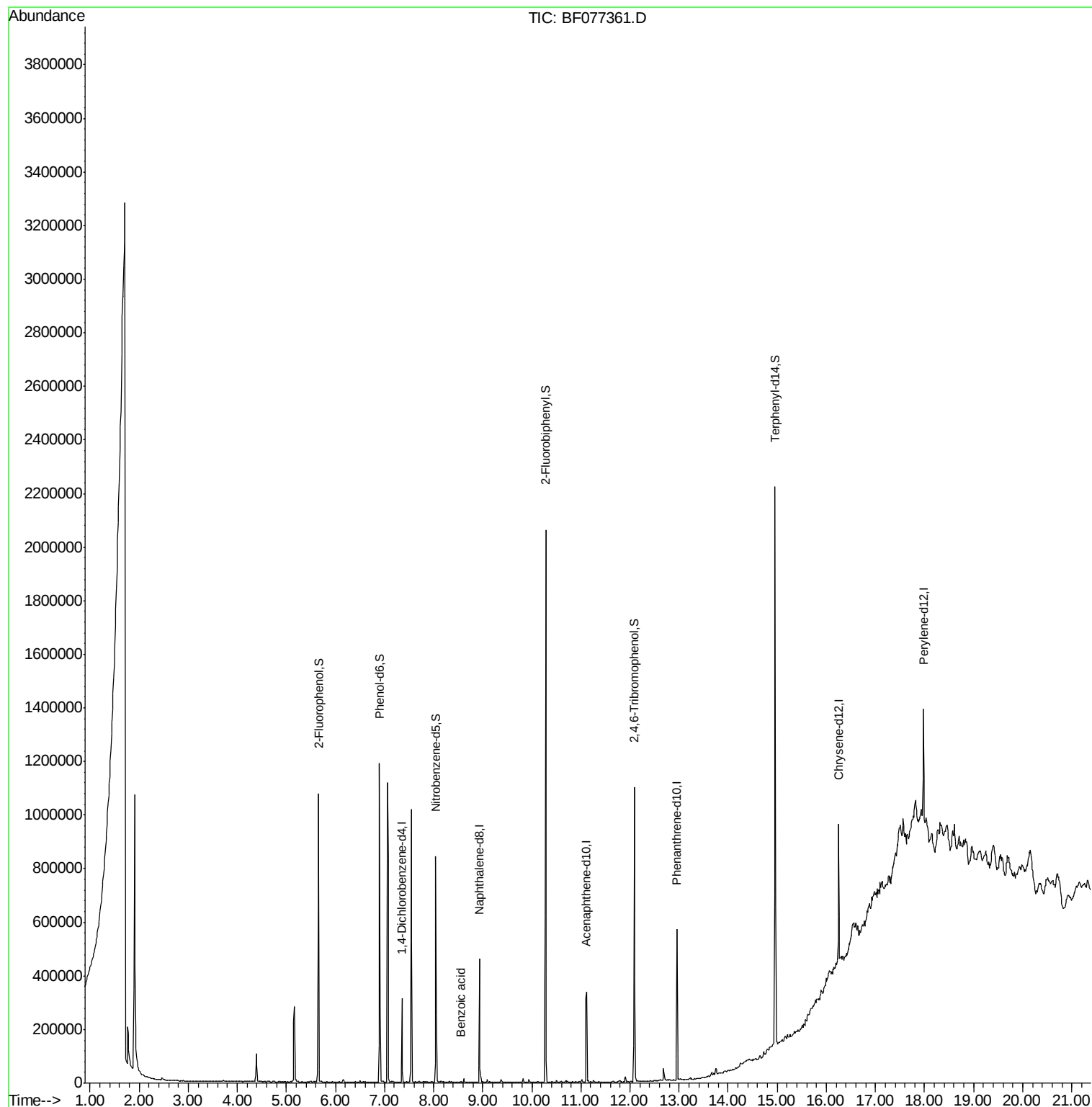
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.36	152	46712	20.00	ng	-0.02
21) Naphthalene-d8	8.93	136	197488	20.00	ng	-0.02
38) Acenaphthene-d10	11.12	164	99041	20.00	ng	-0.02
63) Phenanthrene-d10	12.96	188	208535	20.00	ng	-0.02
75) Chrysene-d12	16.25	240	196807	20.00	ng	-0.02
86) Perylene-d12	17.97	264	200247	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	371787	136.02	ng	-0.01
7) Phenol-d6	6.90	99	410508	114.97	ng	-0.02
23) Nitrobenzene-d5	8.04	82	266375	93.41	ng	-0.02
41) 2,4,6-Tribromophenol	12.09	330	142748	154.49	ng	-0.02
44) 2-Fluorobiphenyl	10.28	172	671006	102.14	ng	-0.02
78) Terphenyl-d14	14.96	244	740846	85.58	ng	-0.02
Target Compounds						
32) Benzoic acid	8.56	122	226	3.50	ng	Qvalue 90
83) Bis(2-ethylhexyl)phthalate	16.29	149	2001	Below Cal	#	57

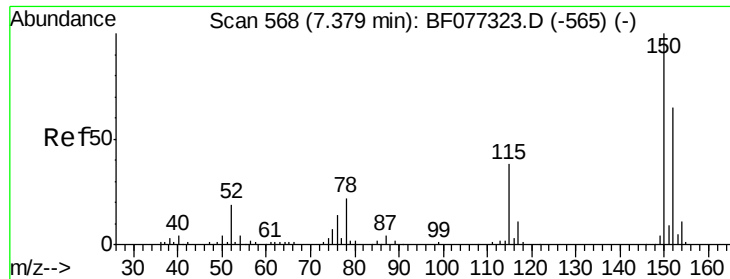
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.36 min Scan# 566

Delta R.T. -0.02 min

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SOIL-CHARACTERIZATION

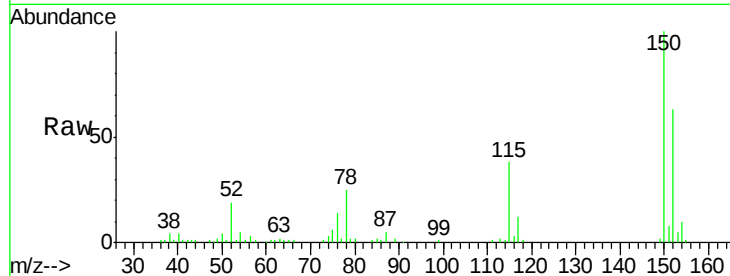
Tgt Ion:152 Resp: 46712

Ion Ratio Lower Upper

152 100

150 158.7 123.1 184.7

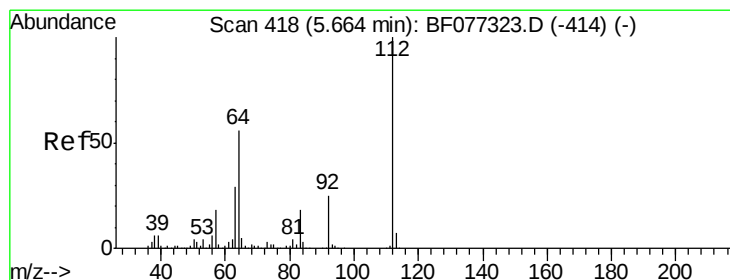
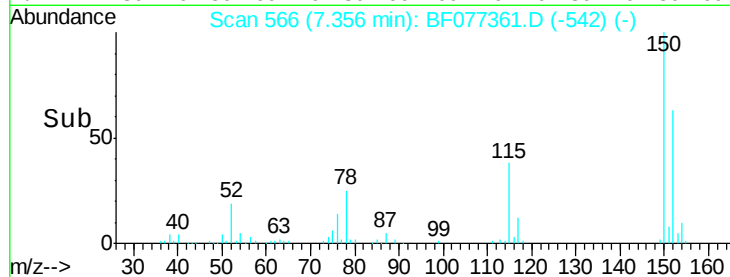
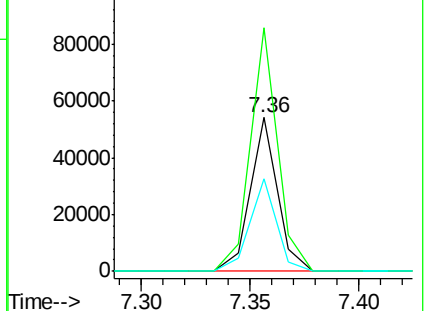
115 60.3 46.2 69.4



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: 136.02 ng

RT: 5.65 min Scan# 417

Delta R.T. -0.01 min

Lab File: BF077361.D

Acq: 18 Feb 2015 19:32

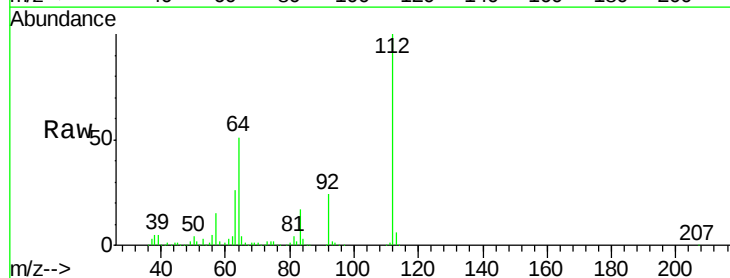
Tgt Ion:112 Resp: 371787

Ion Ratio Lower Upper

112 100

64 50.8 44.7 67.1

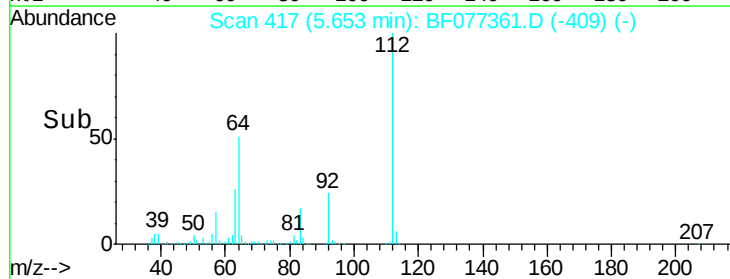
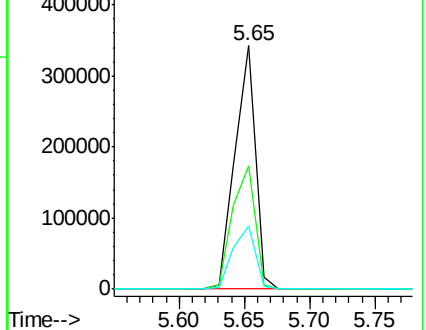
63 26.0 23.3 34.9

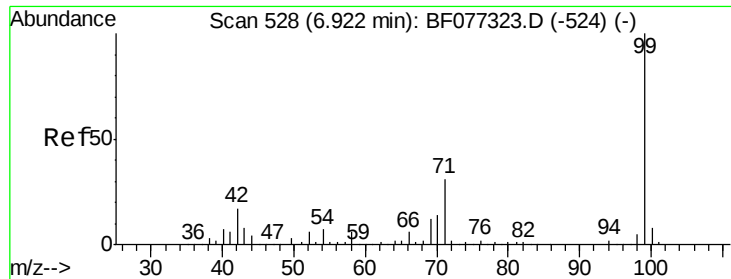


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 114.97 ng

RT: 6.90 min Scan# 526

Delta R.T. -0.02 min

Lab File: BF077361.D

Acq: 18 Feb 2015 19:32

Instrument :

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SOIL-CHARACTERIZATION

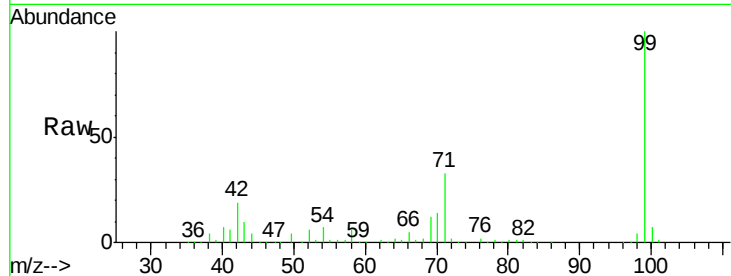
Tgt Ion: 99 Resp: 410508

Ion Ratio Lower Upper

99 100

42 19.1 13.8 20.6

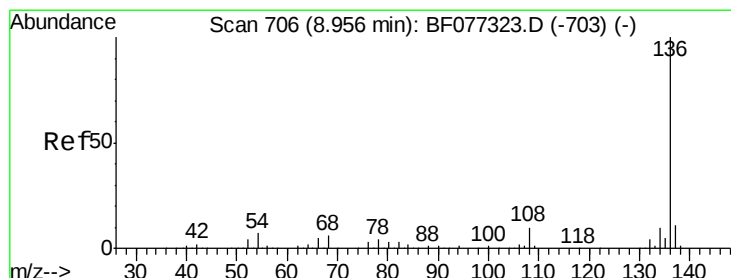
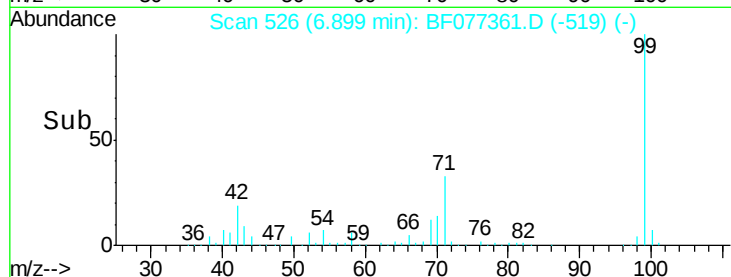
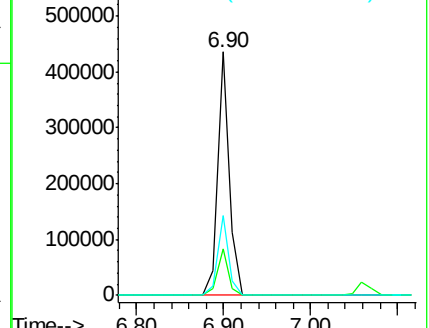
71 32.9 24.6 37.0



Abundance Ion 99.00 (98.70 to 99.70): BF077323.D (-524) (-)

Ion 42.00 (41.70 to 42.70): BF077323.D (-524) (-)

Ion 71.00 (70.70 to 71.70): BF077323.D (-524) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.93 min Scan# 704

Delta R.T. -0.02 min

Lab File: BF077361.D

Acq: 18 Feb 2015 19:32

Tgt Ion: 136 Resp: 197488

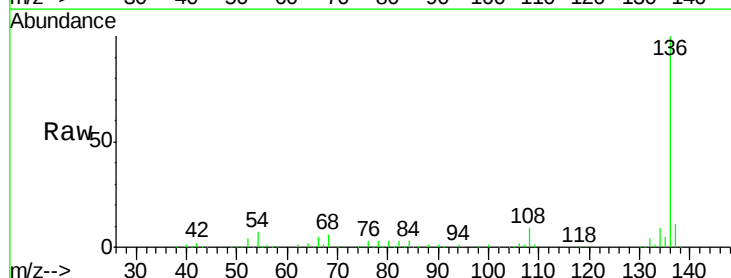
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 7.1 5.8 8.6

68 5.8 4.6 6.8

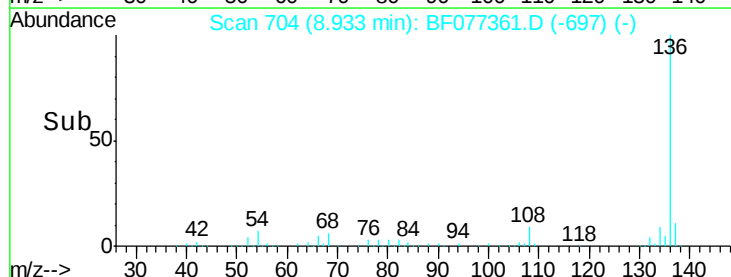
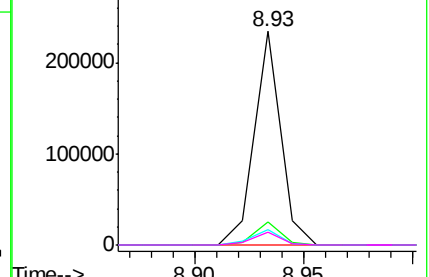


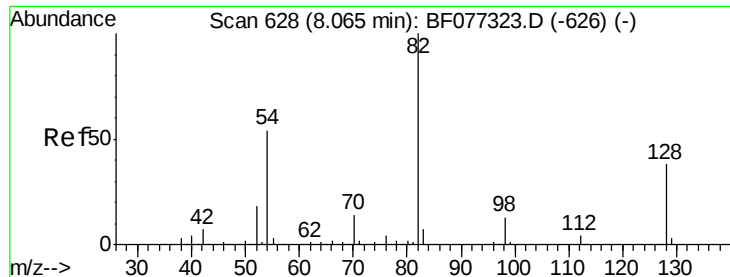
Abundance Ion 136.00 (135.70 to 136.70): BF077323.D (-703) (-)

Ion 137.00 (136.70 to 137.70): BF077323.D (-703) (-)

Ion 54.00 (53.70 to 54.70): BF077323.D (-703) (-)

Ion 68.00 (67.70 to 68.70): BF077323.D (-703) (-)

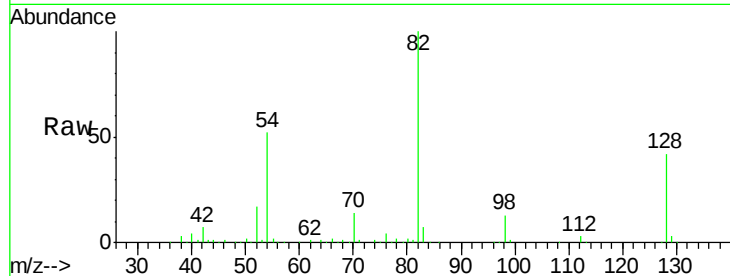




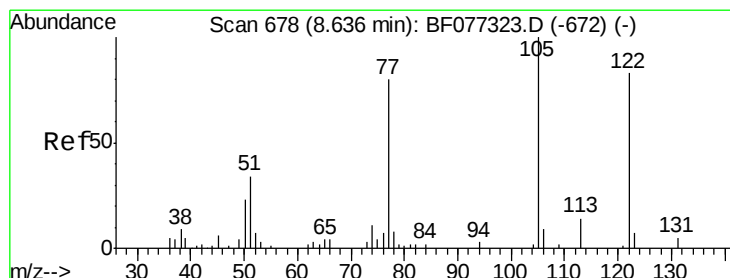
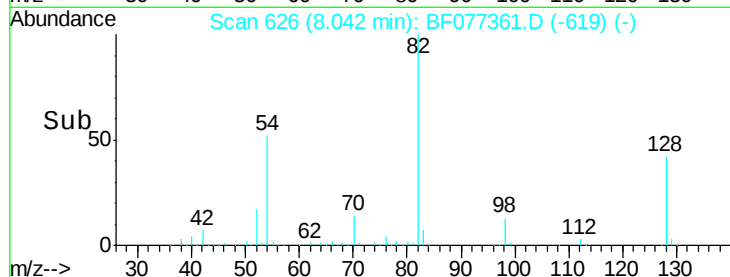
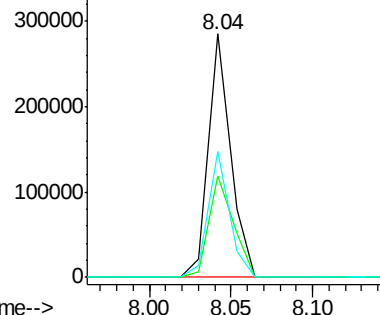
#23
 Nitrobenzene-d5
 Concen: 93.41 ng
 RT: 8.04 min Scan# 626
 Delta R.T. -0.02 min
 Lab File: BF077361.D
 Acq: 18 Feb 2015 19:32

Instrument :
 BNA_F
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 SOIL-CHARACTERIZATION

Tgt Ion: 82 Resp: 266375
 Ion Ratio Lower Upper
 82 100
 128 41.7 30.7 46.1
 54 51.8 43.1 64.7

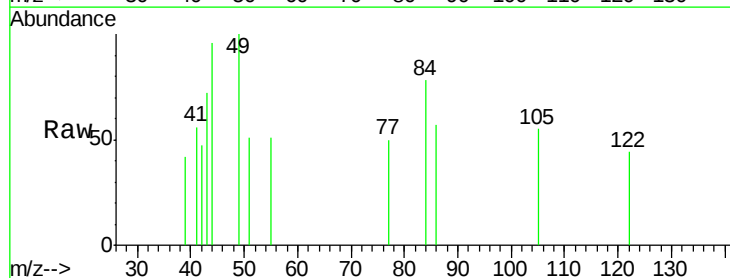


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

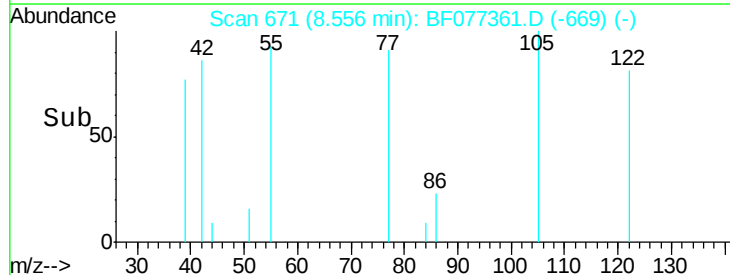
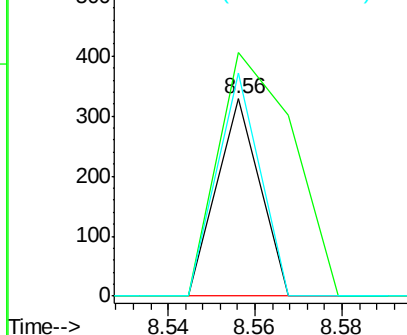


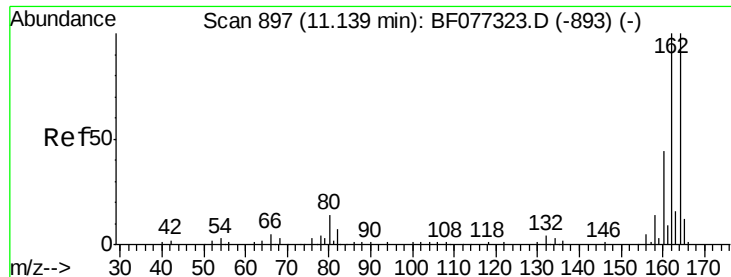
#32
 Benzoic acid
 Concen: 3.50 ng
 RT: 8.56 min Scan# 671
 Delta R.T. -0.08 min
 Lab File: BF077361.D
 Acq: 18 Feb 2015 19:32

Tgt Ion: 122 Resp: 226
 Ion Ratio Lower Upper
 122 100
 105 123.4 98.4 138.4
 77 112.8 75.4 115.4



Abundance Ion 122.00 (121.70 to 122.70): B
 Ion 105.00 (104.70 to 105.70): B
 Ion 77.00 (76.70 to 77.70): BF0

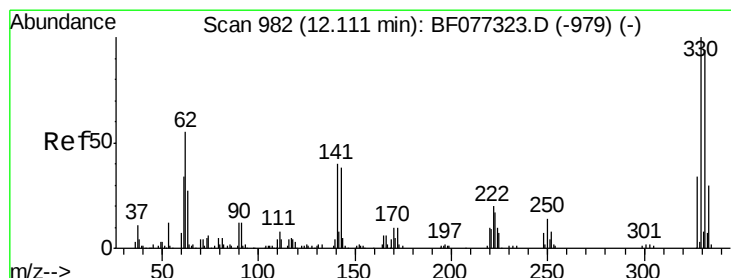
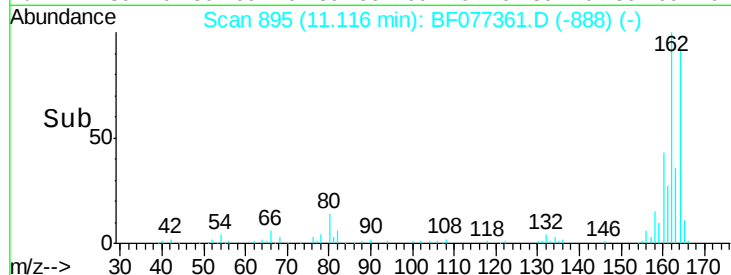
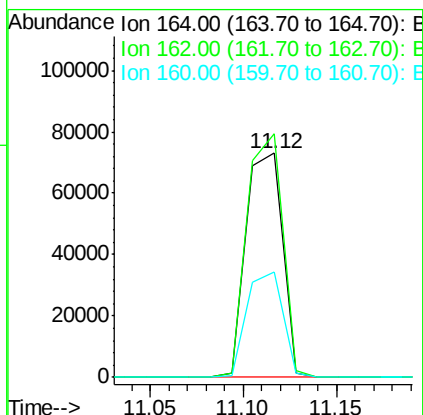
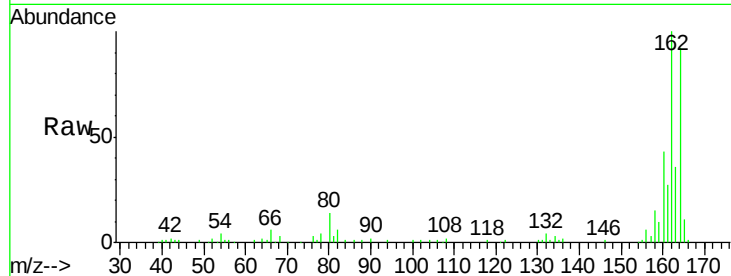




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.12 min Scan# 895
 Delta R.T. -0.02 min
 Lab File: BF077361.D
 Acq: 18 Feb 2015 19:32

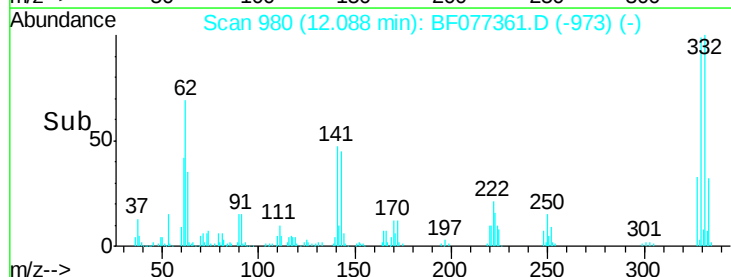
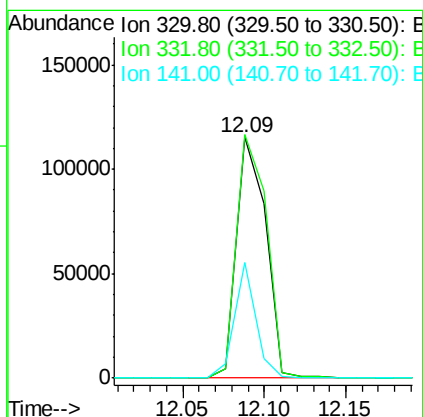
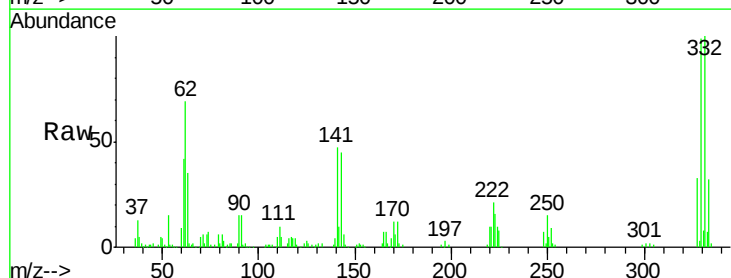
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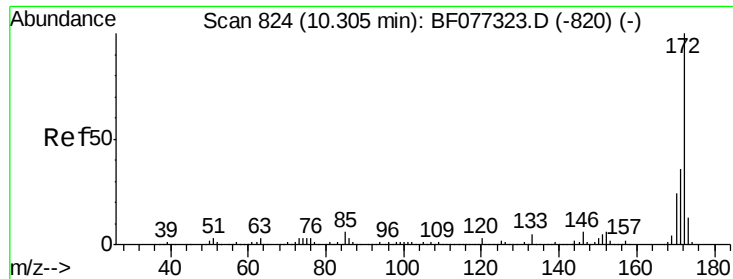
Tgt Ion:164 Resp: 99041
 Ion Ratio Lower Upper
 164 100
 162 108.7 80.4 120.6
 160 47.1 35.3 52.9



#41
 2,4,6-Tribromophenol
 Concen: 154.49 ng
 RT: 12.09 min Scan# 980
 Delta R.T. -0.02 min
 Lab File: BF077361.D
 Acq: 18 Feb 2015 19:32

Tgt Ion:330 Resp: 142748
 Ion Ratio Lower Upper
 330 100
 332 103.6 76.1 114.1
 141 34.7 28.5 42.7

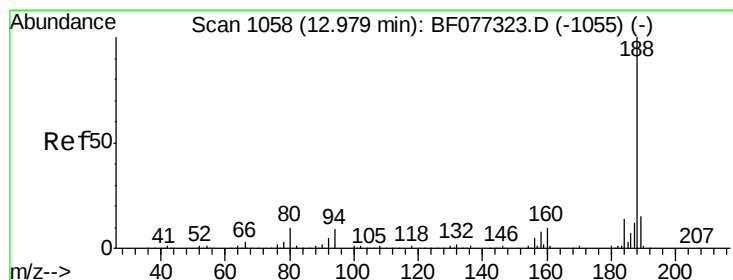
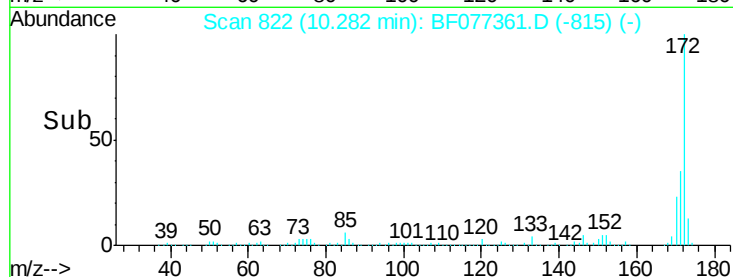
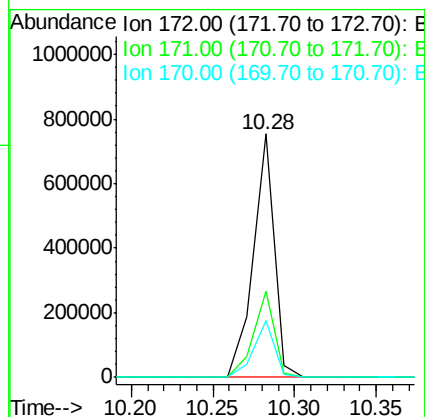
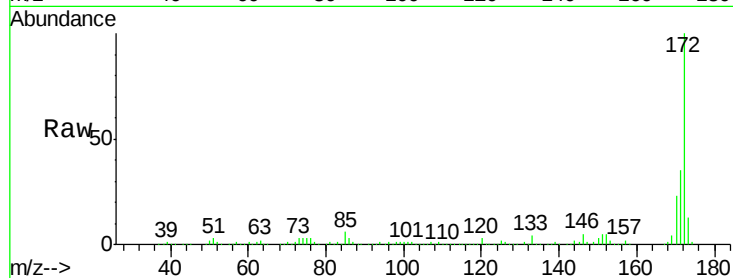




#44
 2-Fluorobiphenyl
 Concen: 102.14 ng
 RT: 10.28 min Scan# 822
 Delta R.T. -0.02 min
 Lab File: BF077361.D
 Acq: 18 Feb 2015 19:32

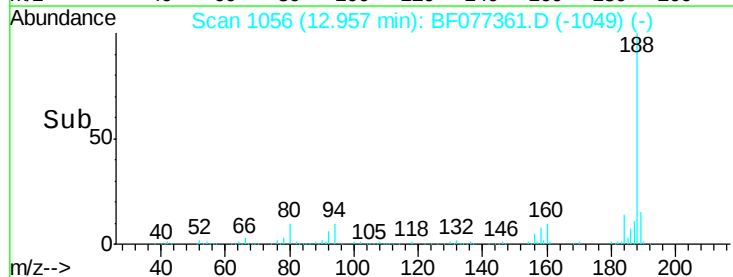
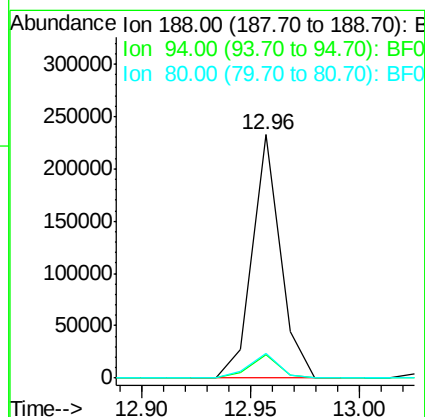
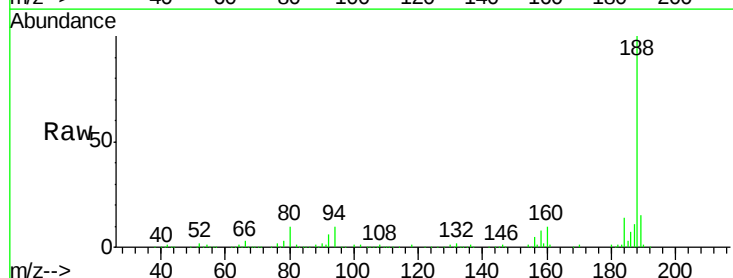
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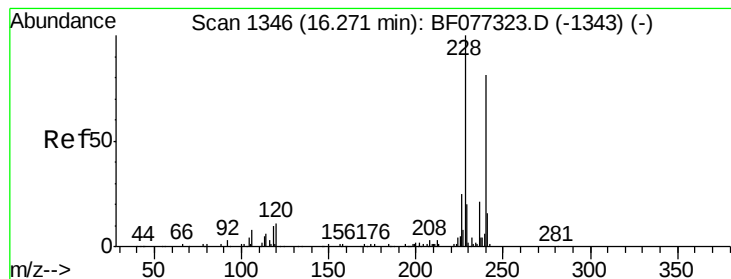
Tgt Ion:172 Resp: 671006
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.9 43.3
 170 23.3 19.4 29.2



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.96 min Scan# 1056
 Delta R.T. -0.02 min
 Lab File: BF077361.D
 Acq: 18 Feb 2015 19:32

Tgt Ion:188 Resp: 208535
 Ion Ratio Lower Upper
 188 100
 94 9.7 7.2 10.8
 80 10.2 7.8 11.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.25 min Scan# 1344

Delta R.T. -0.02 min

Lab File: BF077361.D

Acq: 18 Feb 2015 19:32

Instrument :

BNA_F

ClientSampleId :

SOIL-CHARACTERIZATION

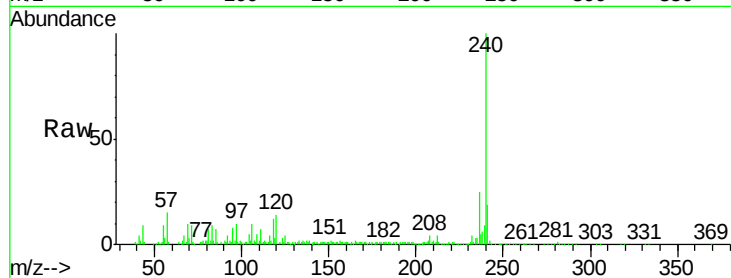
Tgt Ion:240 Resp: 196807

Ion Ratio Lower Upper

240 100

120 14.2 11.3 16.9

236 25.0 20.3 30.5



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

250000

200000

150000

100000

50000

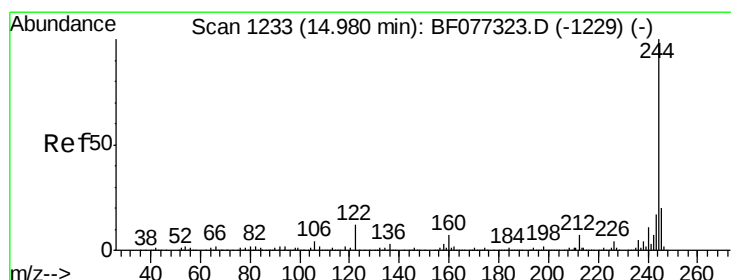
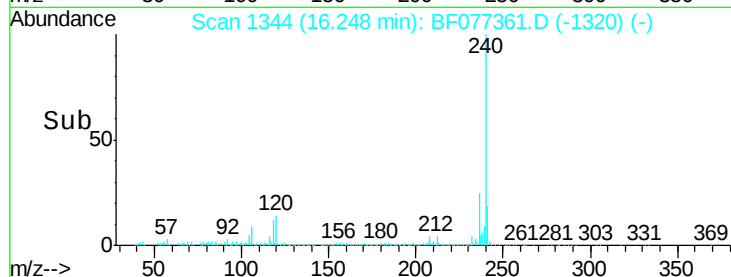
0

16.25

16.20

16.30

Time-->



#78

Terphenyl-d14

Concen: 85.58 ng

RT: 14.96 min Scan# 1231

Delta R.T. -0.02 min

Lab File: BF077361.D

Acq: 18 Feb 2015 19:32

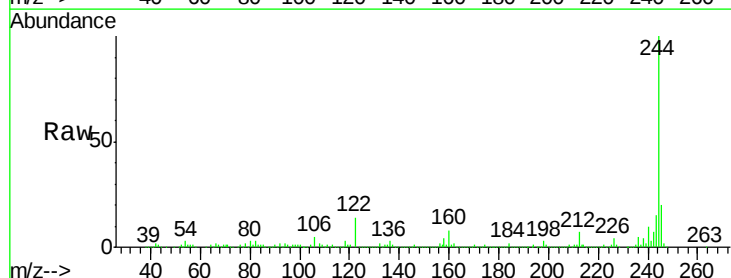
Tgt Ion:244 Resp: 740846

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

122 14.0 9.3 13.9#



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

800000

600000

400000

200000

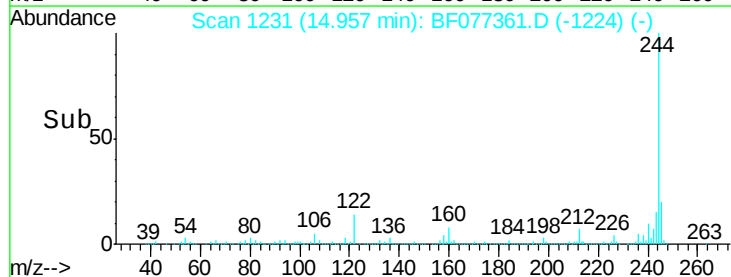
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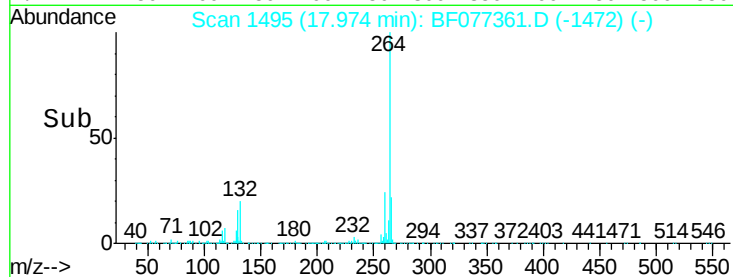
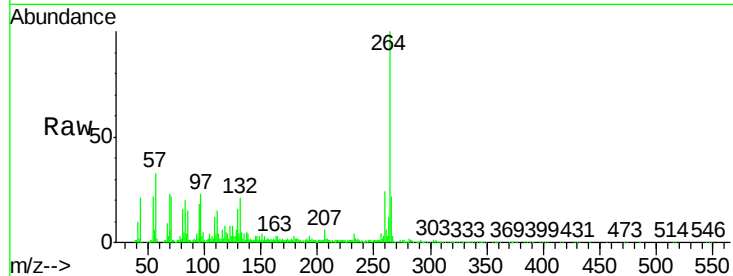
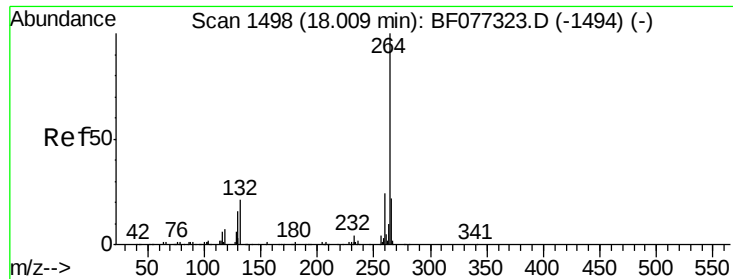
14.96

14.90

15.00

Time-->





#86

Perylene-d12

Concen: 20.00 ng

RT: 17.97 min Scan# 1495

Delta R.T. -0.03 min

Lab File: BF077361.D

Acq: 18 Feb 2015 19:32

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Tgt Ion: 264 Resp: 200247

Ion Ratio Lower Upper

264 100

260 24.4 18.9 28.3

265 22.4 17.7 26.5

