

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
 Data File : BF097381.D
 Acq On : 5 Aug 2017 3:37
 Operator : SJ/JU
 Sample : I4586-03
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HARDWICK-SOIL-COMP

Quant Time: Aug 05 06:39:29 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 01:17:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.44	152	91885	20.00	ng	-0.06
21) Naphthalene-d8	7.72	136	437217	20.00	ng	-0.06
38) Acenaphthene-d10	9.46	164	176831	20.00	ng	-0.07
63) Phenanthrene-d10	10.93	188	258220	20.00	ng	-0.07
75) Chrysene-d12	13.55	240	181777	20.00	ng	-0.08
86) Perylene-d12	14.89	264	139516	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	629723	103.31	ng	-0.05
7) Phenol-d6	6.11	99	672689	96.67	ng	-0.06
23) Nitrobenzene-d5	7.01	82	516495	69.30	ng	-0.06
41) 2,4,6-Tribromophenol	10.25	330	119601	85.60	ng	-0.07
44) 2-Fluorobiphenyl	8.80	172	875468	84.02	ng	-0.07
78) Terphenyl-d14	12.51	244	451499	50.64	ng	-0.08

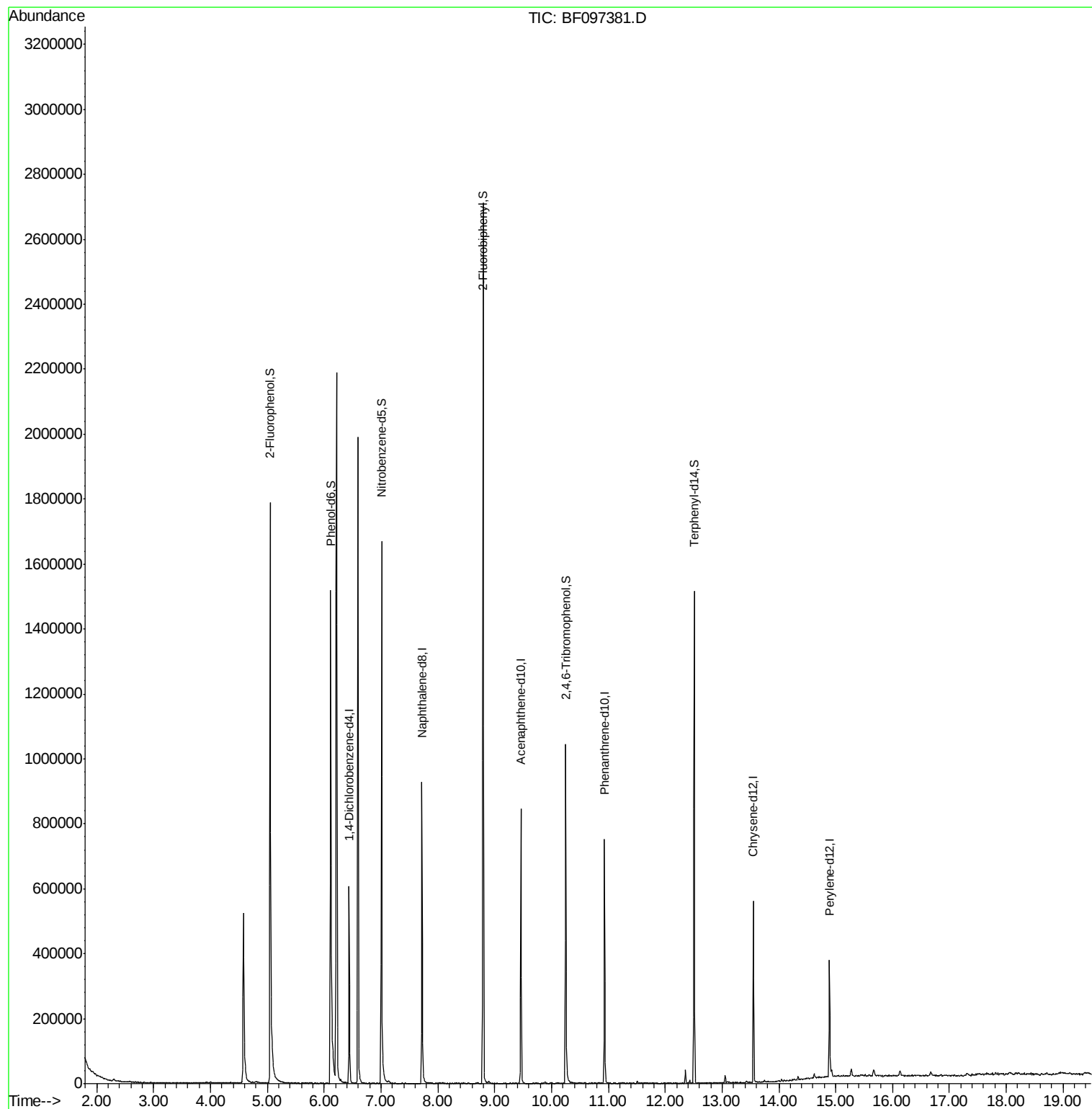
Target Compounds Qvalue

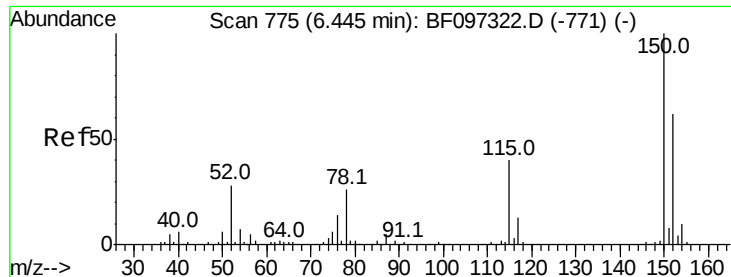
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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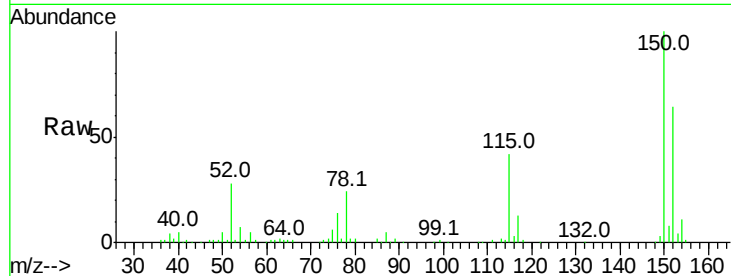


#1

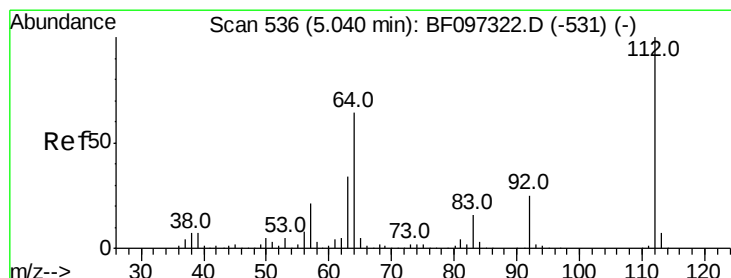
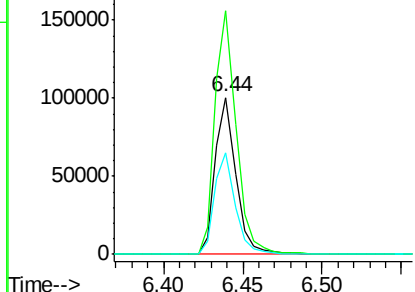
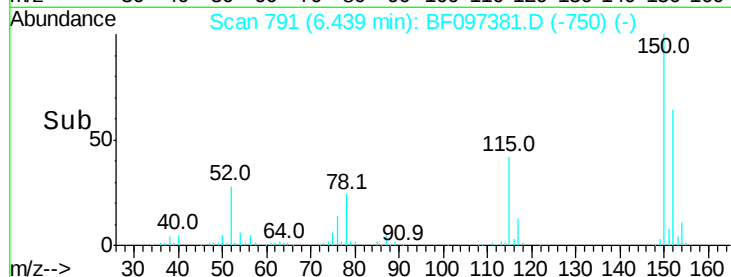
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.44 min Scan# 791
 Delta R.T. -0.06 min
 Lab File: BF097381.D
 Acq: 5 Aug 2017 3:37

Instrument :
 BNA_F
 ClientSampleId :
 HARDWICK-SOIL-COMP

Tot Ion:152 Resp: 91885
 Ion Ratio Lower Upper
 152 100
 150 155.2 126.2 189.2
 115 64.5 52.2 78.2



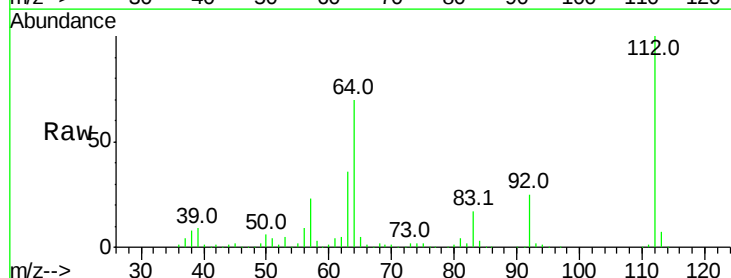
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



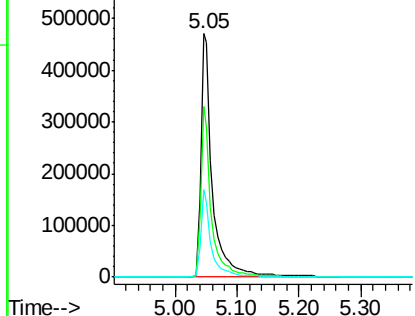
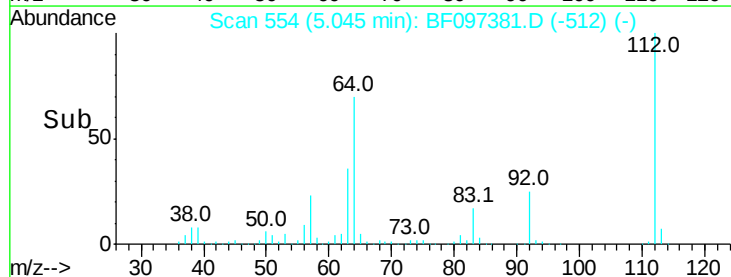
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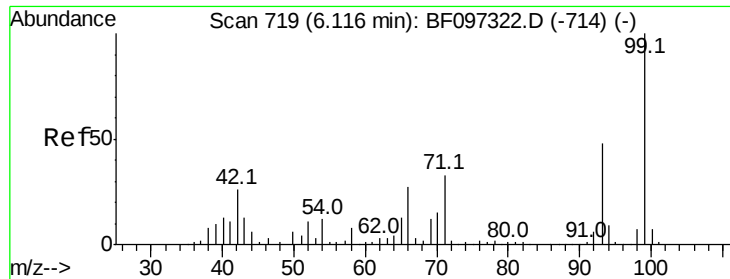
2-Fluorophenol
 Concen: 103.314 ng
 RT: 5.05 min Scan# 554
 Delta R.T. -0.05 min
 Lab File: BF097381.D
 Acq: 5 Aug 2017 3:37

Tgt Ion:112 Resp: 629723
 Ion Ratio Lower Upper
 112 100
 64 70.2 46.0 69.0#
 63 35.7 23.4 35.0#



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: 96.672 ng

RT: 6.11 min Scan# 735

Delta R.T. -0.06 min

Lab File: BF097381.D

Acq: 5 Aug 2017 3:37

Instrument :

BNA_F

ClientSampleId :

HARDWICK-SOIL-COMP

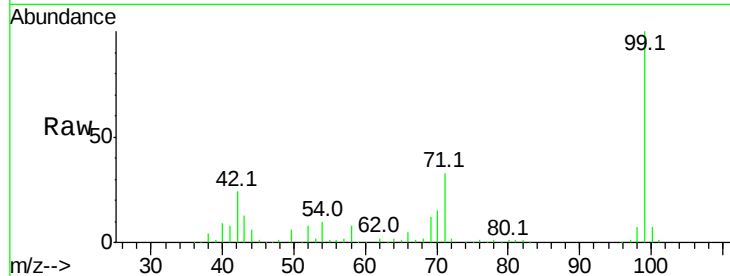
Tot Ion: 99 Resp: 672689

Ion Ratio Lower Upper

99 100

42 24.1 13.5 20.3#

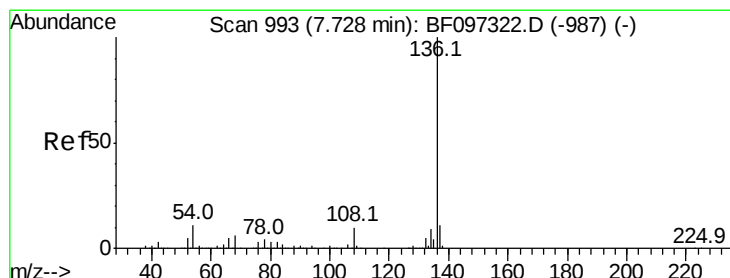
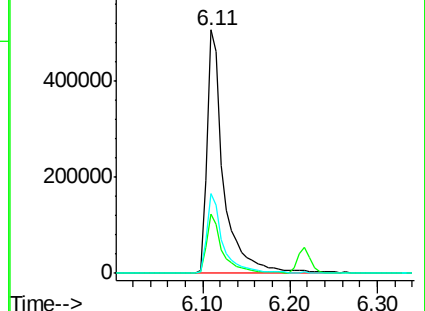
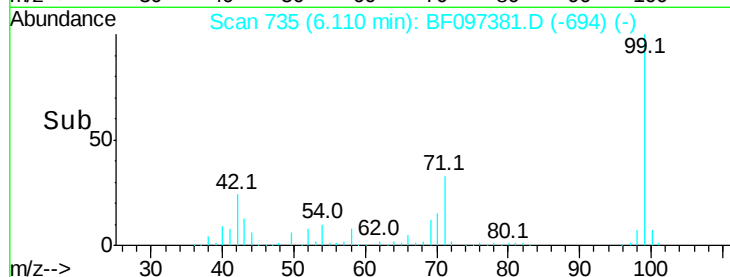
71 32.8 24.5 36.7



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: 20.000 ng

RT: 7.72 min Scan# 1009

Delta R.T. -0.06 min

Lab File: BF097381.D

Acq: 5 Aug 2017 3:37

Tgt Ion: 136 Resp: 437217

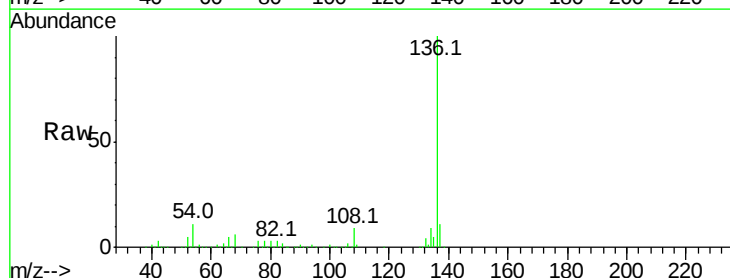
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 10.6 4.9 7.3#

68 6.4 4.1 6.1#

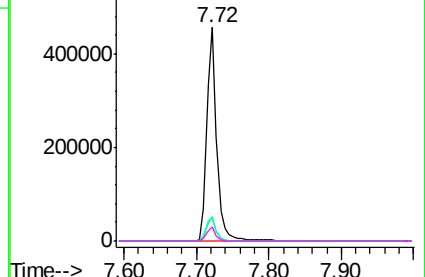
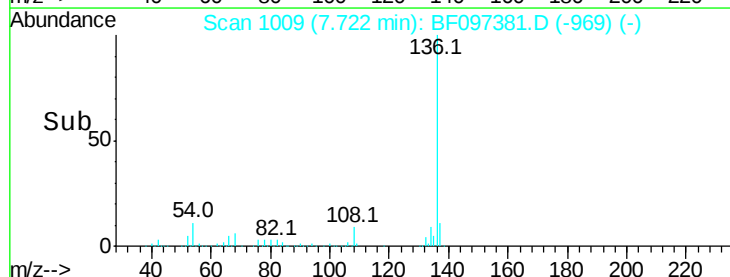


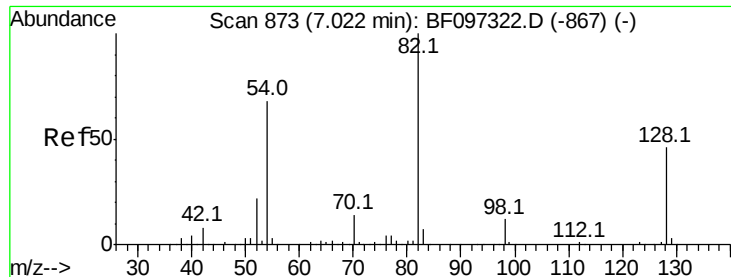
Abundance Ion 136.00 (135.70 to 136.70): E

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

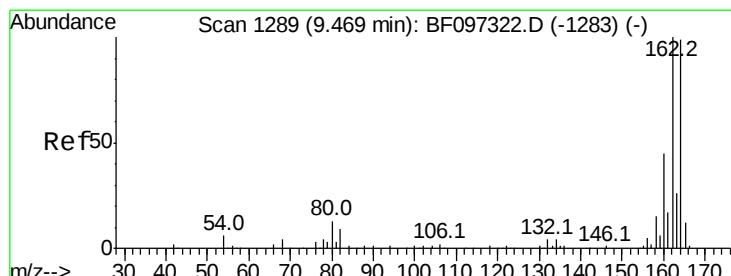
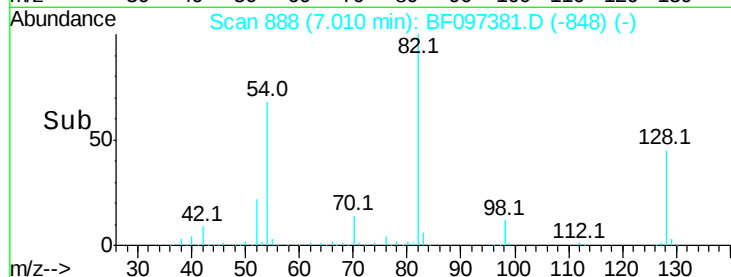
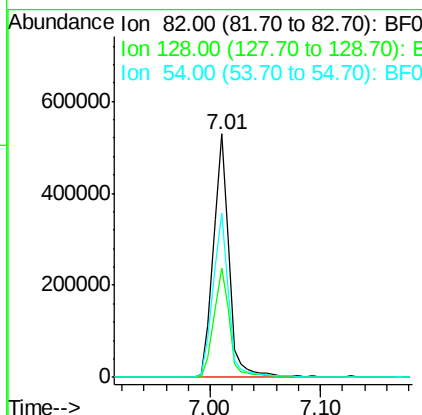
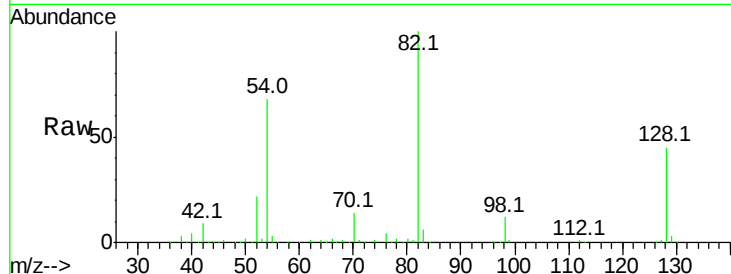




#23
Nitrobenzene-d5
Concen: 69.301 ng
RT: 7.01 min Scan# 888
Delta R.T. -0.06 min
Lab File: BF097381.D
Acq: 5 Aug 2017 3:37

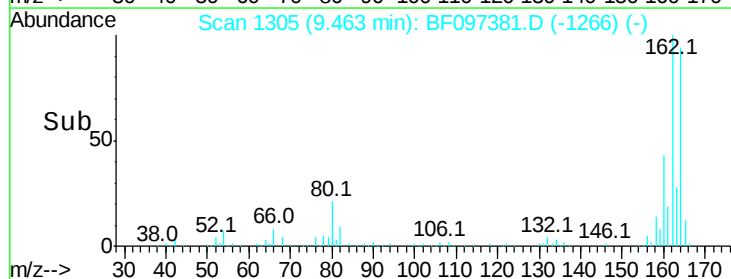
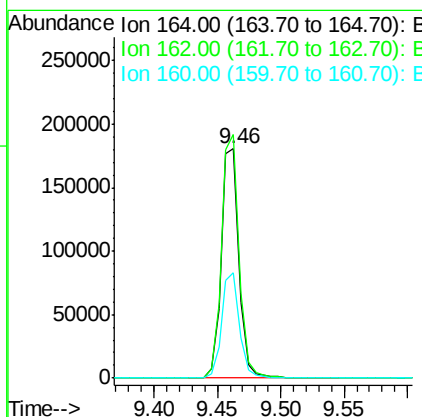
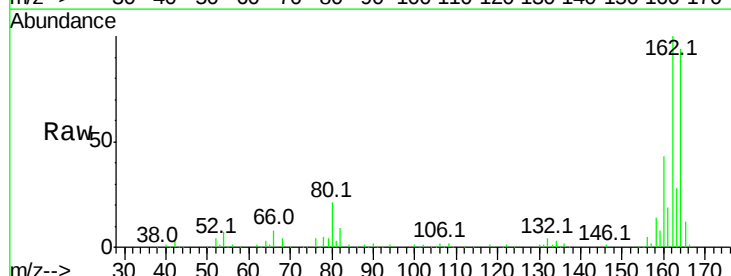
Instrument :
BNA_F
ClientSampleId :
HARDWICK-SOIL-COMP

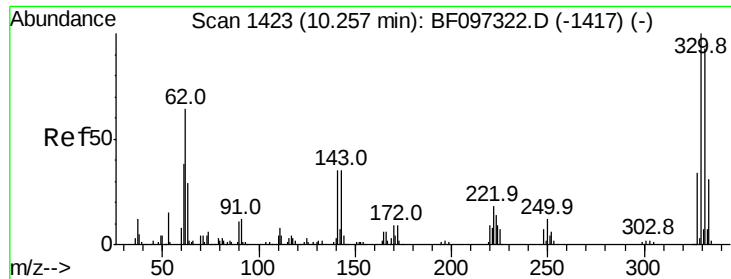
Tot Ion: 82 Resp: 516495
Ion Ratio Lower Upper
82 100
128 44.7 34.0 51.0
54 67.7 42.2 63.2#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.46 min Scan# 1305
Delta R.T. -0.07 min
Lab File: BF097381.D
Acq: 5 Aug 2017 3:37

Tgt Ion:164 Resp: 176831
Ion Ratio Lower Upper
164 100
162 106.3 82.6 123.8
160 46.0 36.2 54.2

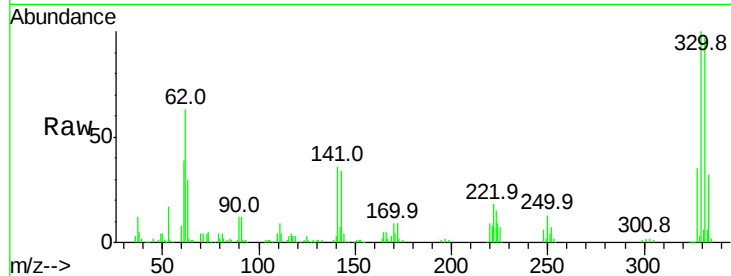




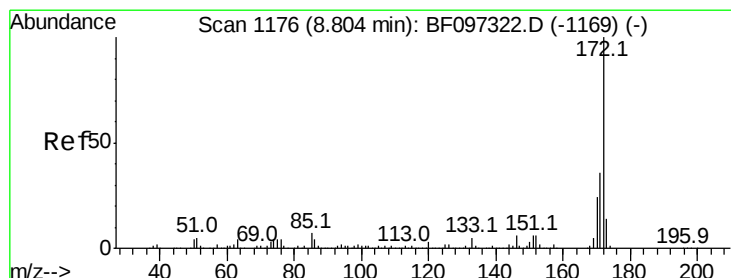
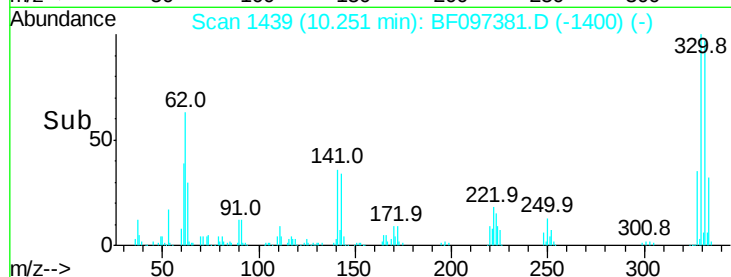
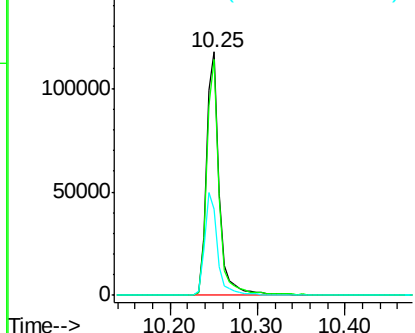
#41
 2,4,6-Tribromophenol
 Concen: 85.604 ng
 RT: 10.25 min Scan# 1439
 Delta R.T. -0.07 min
 Lab File: BF097381.D
 Acq: 5 Aug 2017 3:37

Instrument :
 BNA_F
 ClientSampleId :
 HARDWICK-SOIL-COMP

Tot Ion:330 Resp: 119601
 Ion Ratio Lower Upper
 330 100
 332 93.2 76.6 115.0
 141 42.6 31.4 47.2

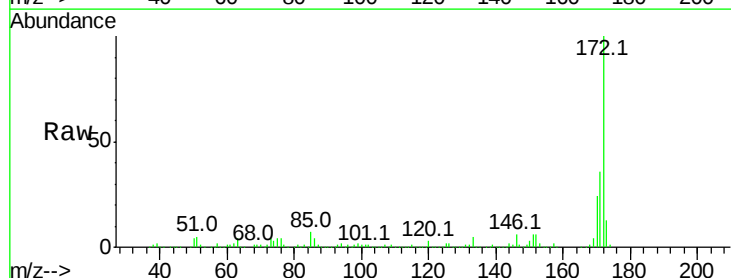


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

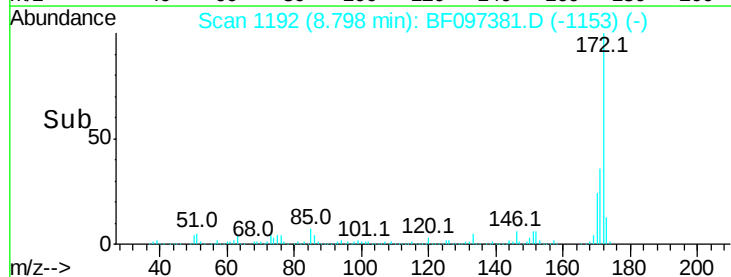
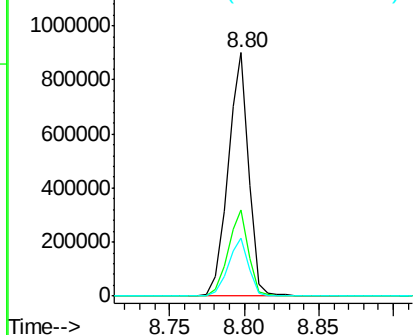


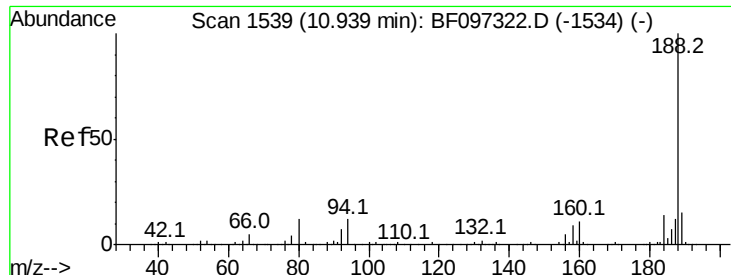
#44
 2-Fluorobiphenyl
 Concen: 84.021 ng
 RT: 8.80 min Scan# 1192
 Delta R.T. -0.07 min
 Lab File: BF097381.D
 Acq: 5 Aug 2017 3:37

Tgt Ion:172 Resp: 875468
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.6 44.4
 170 23.8 19.8 29.8



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

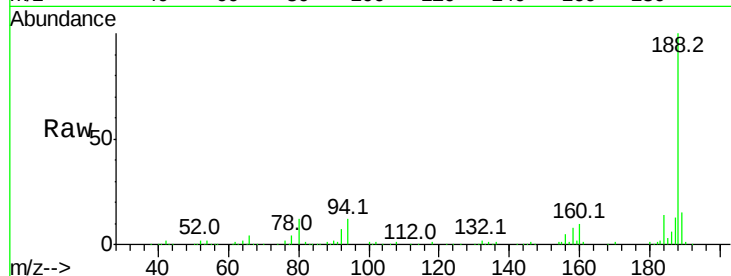




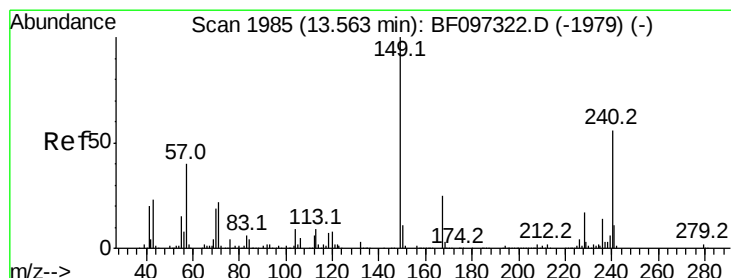
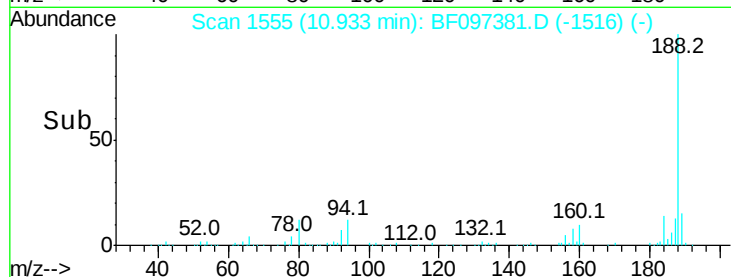
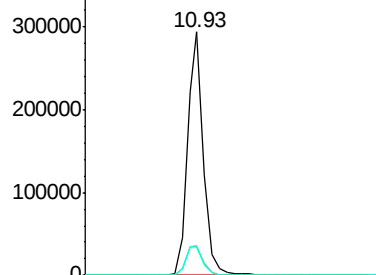
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.93 min Scan# 1555
Delta R.T. -0.07 min
Lab File: BF097381.D
Acq: 5 Aug 2017 3:37

Instrument :
BNA_F
ClientSampleId :
HARDWICK-SOIL-COMP

Tot Ion:188 Resp: 258220
Ion Ratio Lower Upper
188 100
94 12.0 9.4 14.2
80 12.1 10.2 15.2

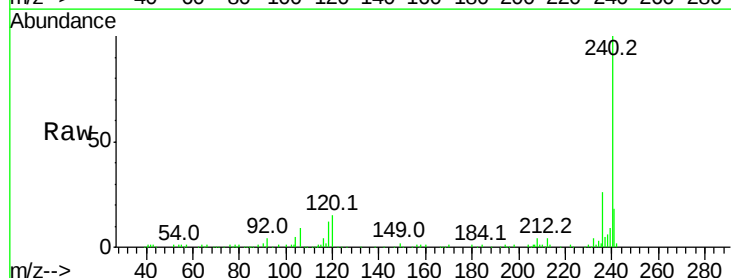


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

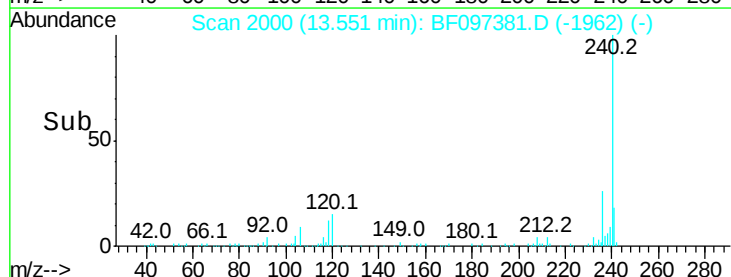
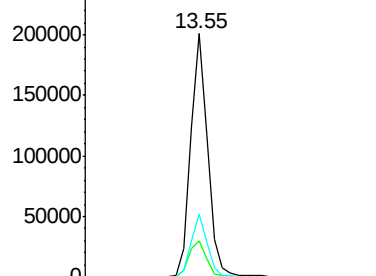


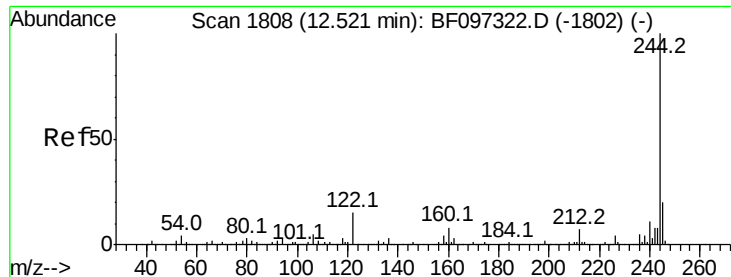
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.55 min Scan# 2000
Delta R.T. -0.08 min
Lab File: BF097381.D
Acq: 5 Aug 2017 3:37

Tgt Ion:240 Resp: 181777
Ion Ratio Lower Upper
240 100
120 14.8 5.8 8.8#
236 26.2 20.5 30.7



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

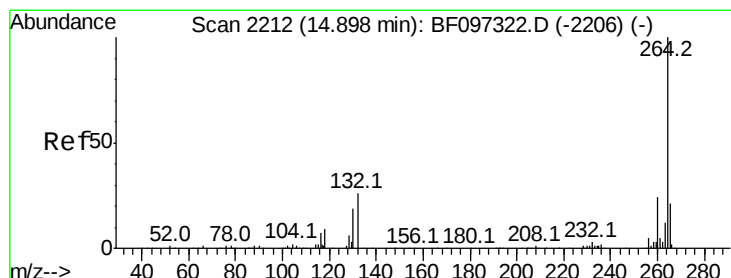
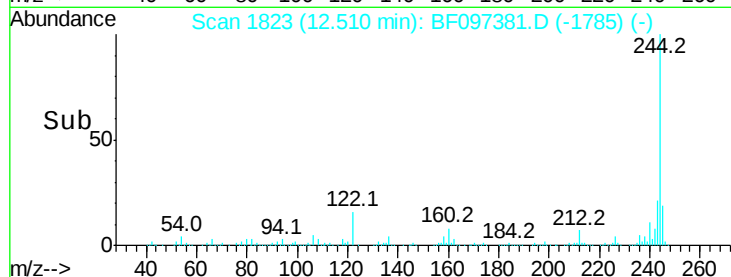
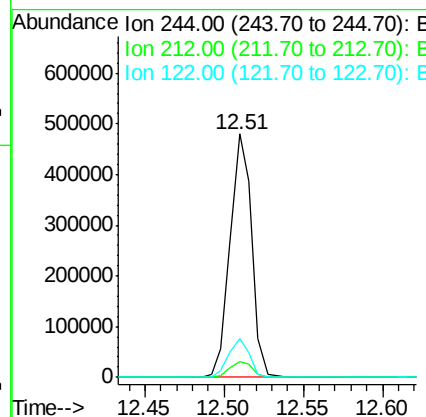
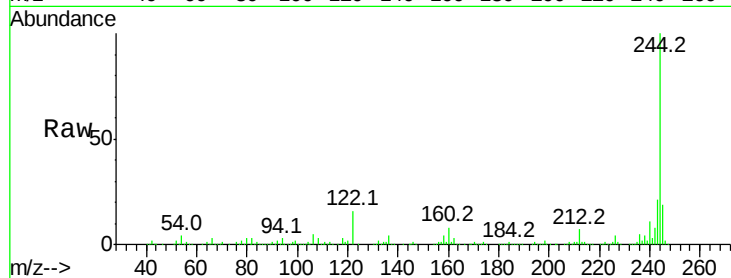




#78
 Terphenyl-d14
 Concen: 50.641 ng
 RT: 12.51 min Scan# 1823
 Delta R.T. -0.08 min
 Lab File: BF097381.D
 Acq: 5 Aug 2017 3:37

Instrument :
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Tot Ion:244 Resp: 451499
 Ion Ratio Lower Upper
 244 100
 212 6.5 6.0 9.0
 122 15.7 10.3 15.5#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 14.89 min Scan# 2228
 Delta R.T. -0.08 min
 Lab File: BF097381.D
 Acq: 5 Aug 2017 3:37

Tgt Ion:264 Resp: 139516
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.5 29.3
 265 21.3 17.2 25.8

