

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071715\
 Data File : BF080551.D
 Acq On : 18 Jul 2015 00:05
 Operator : TP/UM
 Sample : G3008-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOILCUTTINGS

Quant Time: Jul 18 01:03:52 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 18 00:40:00 2015
 Response via : Initial Calibration

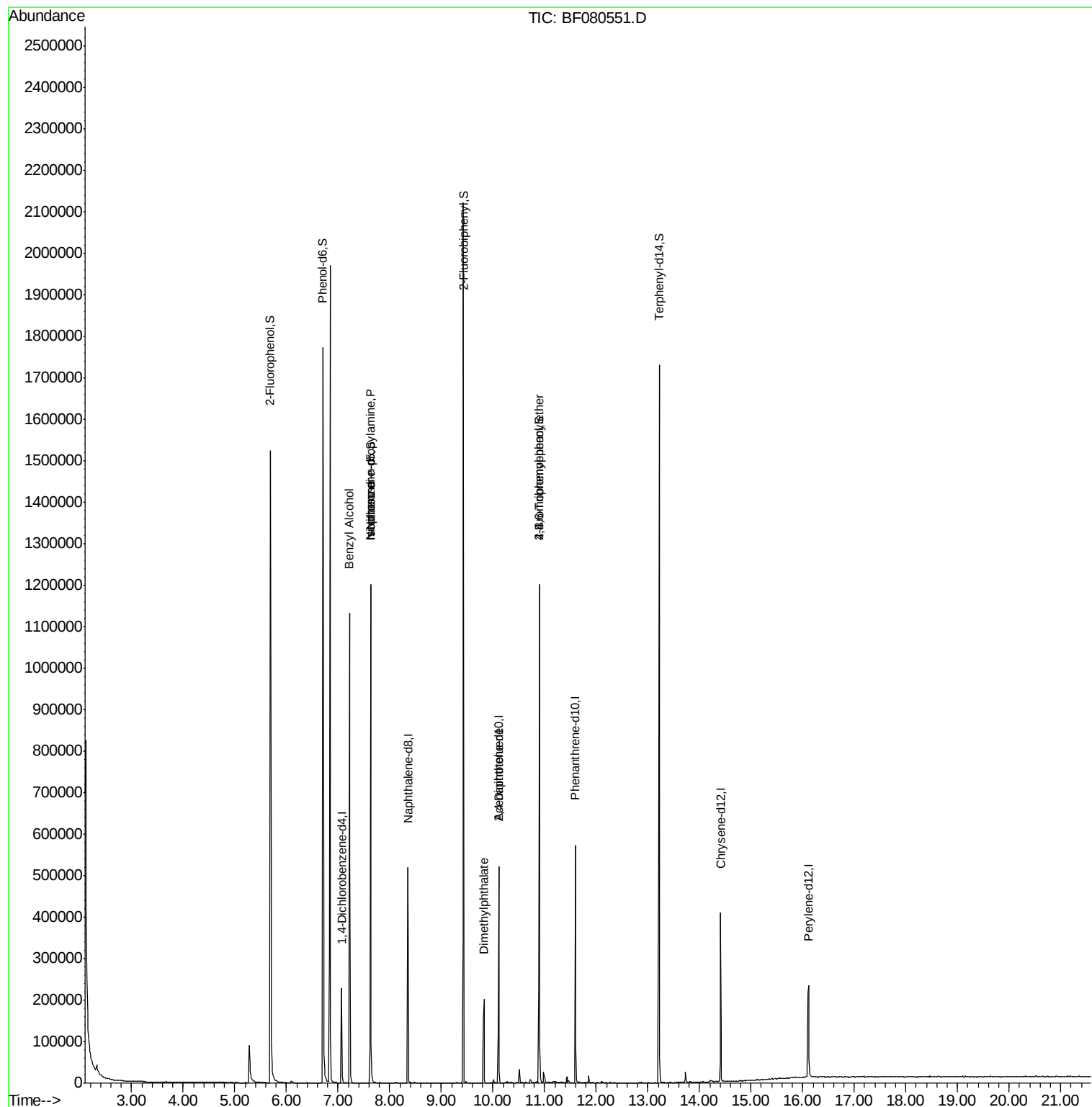
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.07	152	51595	20.00	ng	0.00
21) Naphthalene-d8	8.35	136	220018	20.00	ng	0.00
38) Acenaphthene-d10	10.11	164	95936	20.00	ng	0.00
63) Phenanthrene-d10	11.60	188	194104	20.00	ng	0.00
75) Chrysene-d12	14.41	240	155256	20.00	ng	0.06
86) Perylene-d12	16.11	264	133465	20.00	ng	0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	425191	128.48	ng	0.00
7) Phenol-d6	6.70	99	521441	138.46	ng	0.00
23) Nitrobenzene-d5	7.63	82	313893	90.96	ng	0.00
41) 2,4,6-Tribromophenol	10.90	330	126708	147.60	ng	0.00
44) 2-Fluorobiphenyl	9.42	172	591742	86.63	ng	0.00
78) Terphenyl-d14	13.22	244	542673	78.05	ng	0.02
Target Compounds						
15) Benzyl Alcohol	7.22	79	5322	2.21	ng	# 49
19) n-Nitroso-di-n-propylamine	7.63	70	40703	21.91	ng	# 81
25) Isophorone	7.63	82	313885	47.65	ng	# 65
47) 2-Nitroaniline	9.81	65	1103	Below Cal	#	1
49) Dimethylphthalate	9.82	163	114368	17.92	ng	99
50) 2,6-Dinitrotoluene	9.82	165	1161	Below Cal	#	44
56) 2,4-Dinitrotoluene	10.11	165	11848	8.73	ng	# 27
66) 4-Bromophenyl-phenylether	10.90	248	8075	4.54	ng	# 1
73) Di-n-butylphthalate	12.14	149	999	Below Cal	#	79
83) Bis(2-ethylhexyl)phthalate	14.36	149	237	Below Cal	#	56

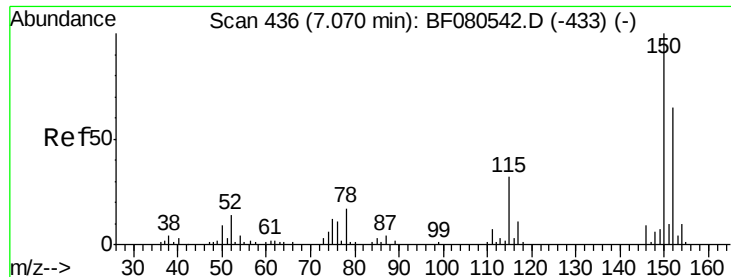
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 17 Sample Multiplier: 1

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QLast Update : Sat Jul 18 00:40:00 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.07 min Scan# 436

Delta R.T. -0.00 min

Lab File: BF080551.D

Acq: 18 Jul 2015 00:05

Instrument :

BNA_F

ClientSampleId :

SOILCUTTINGS

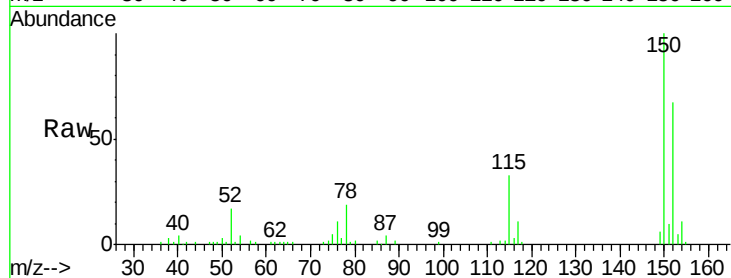
Tot Ion:152 Resp: 51595

Ion Ratio Lower Upper

152 100

150 149.4 123.0 184.4

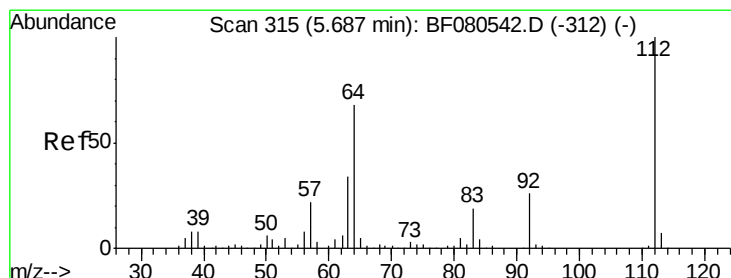
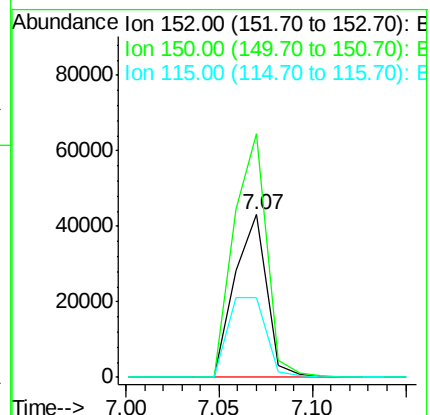
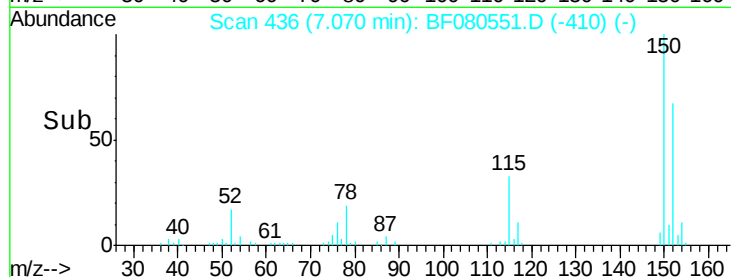
115 49.0 39.9 59.9



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: 128.48 ng

RT: 5.69 min Scan# 315

Delta R.T. 0.00 min

Lab File: BF080551.D

Acq: 18 Jul 2015 00:05

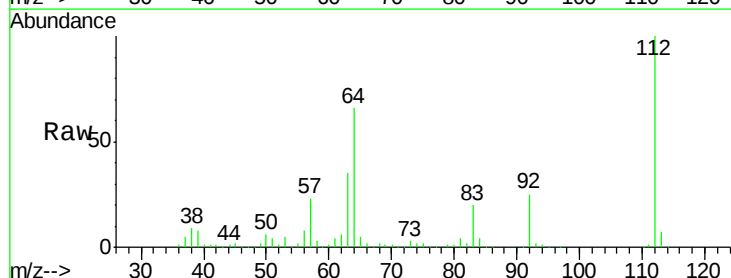
Tgt Ion:112 Resp: 425191

Ion Ratio Lower Upper

112 100

64 66.3 54.1 81.1

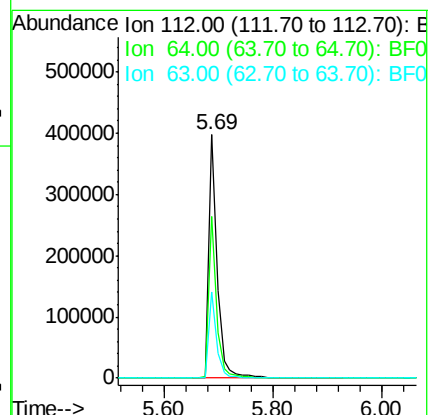
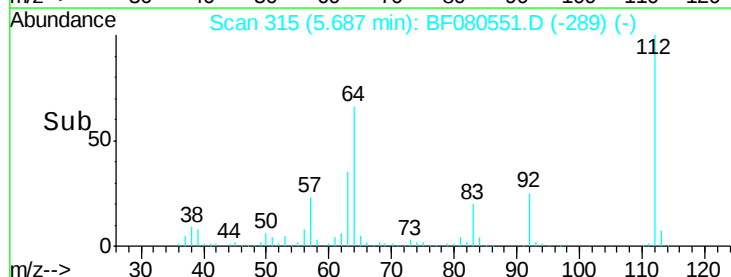
63 35.5 27.6 41.4

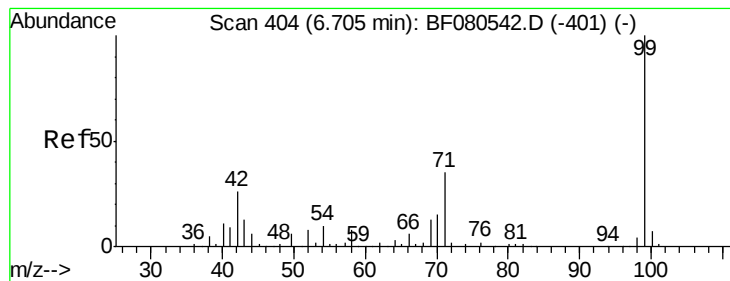


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 138.46 ng

RT: 6.70 min Scan# 404

Delta R.T. -0.00 min

Lab File: BF080551.D

Acq: 18 Jul 2015 00:05

Instrument :

BNA_F

ClientSampleId :

SOILCUTTINGS

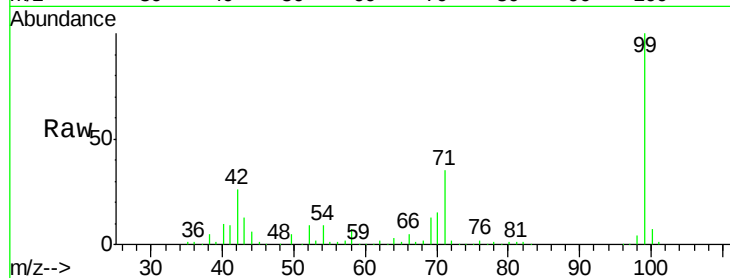
Tot Ion: 99 Resp: 521441

Ion Ratio Lower Upper

99 100

42 26.0 21.0 31.4

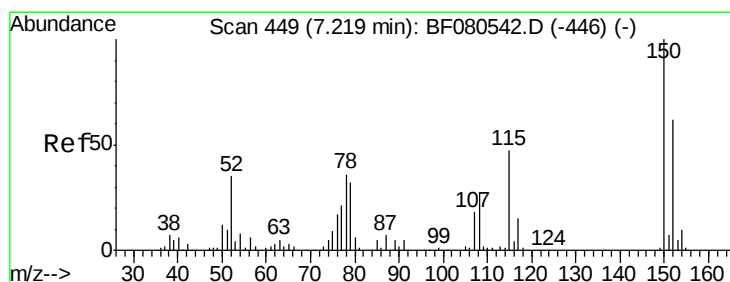
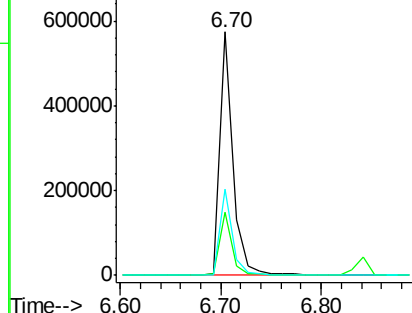
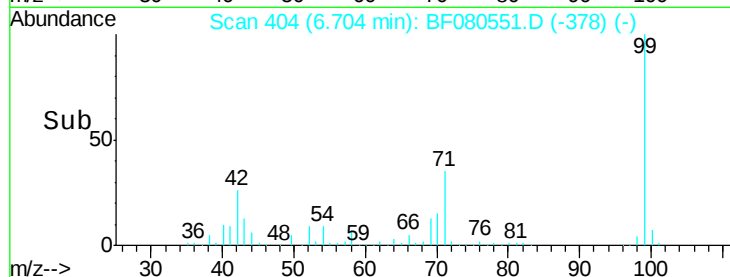
71 35.3 28.4 42.6



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



#15

Benzyl Alcohol

Concen: 2.21 ng

RT: 7.22 min Scan# 449

Delta R.T. 0.00 min

Lab File: BF080551.D

Acq: 18 Jul 2015 00:05

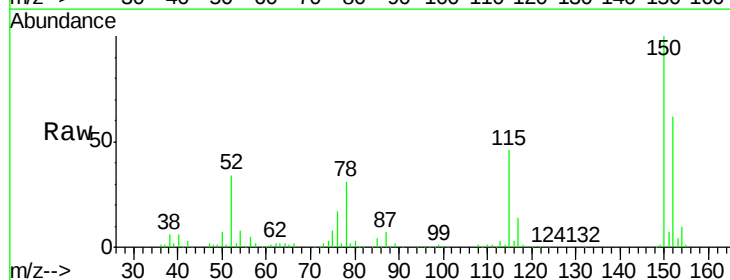
Tgt Ion: 79 Resp: 5322

Ion Ratio Lower Upper

79 100

108 30.7 67.8 101.6#

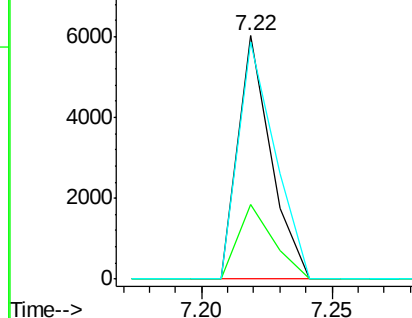
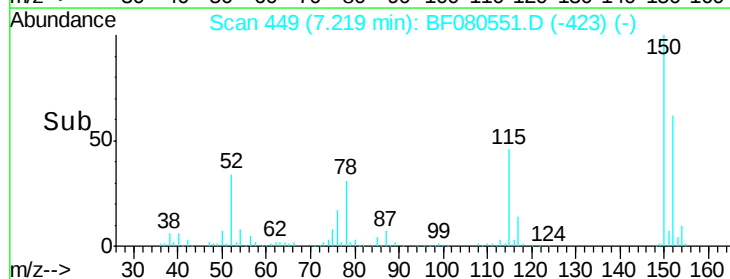
77 97.5 52.9 79.3#

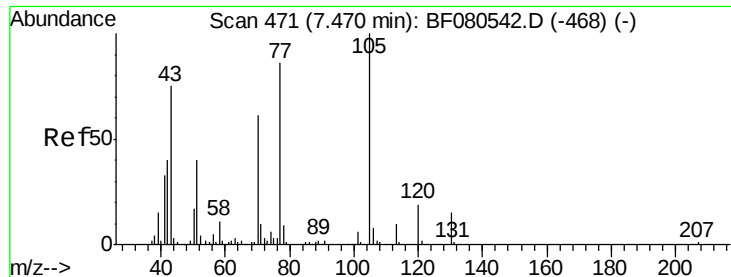


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 21.91 ng

RT: 7.63 min Scan# 485

Delta R.T. 0.16 min

Lab File: BF080551.D

Acq: 18 Jul 2015 00:05

Instrument :

BNA_F

ClientSampleId :

SOILCUTTINGS

Tot Ion: 70 Resp: 40703

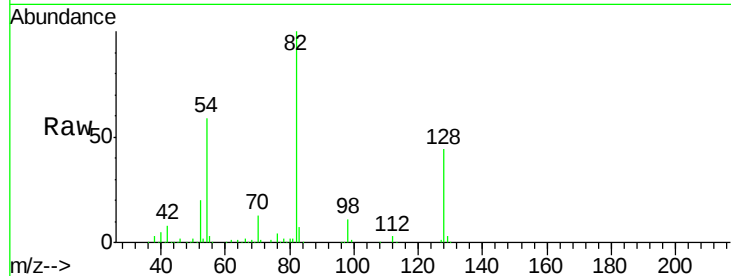
Ion Ratio Lower Upper

70 100

42 59.4 52.6 78.8

101 0.0 8.3 12.5#

130 2.2 19.6 29.4#

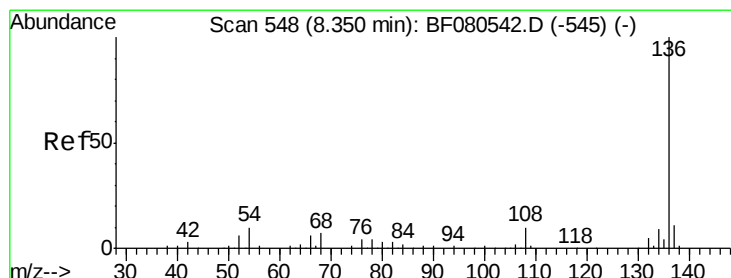
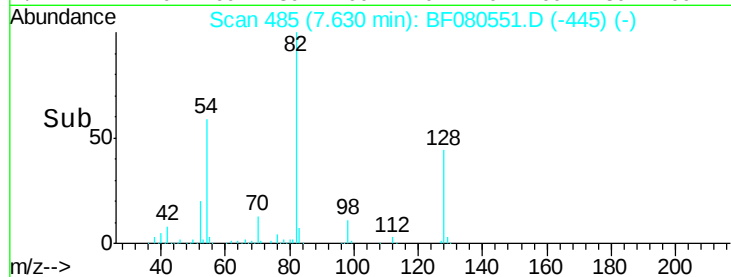
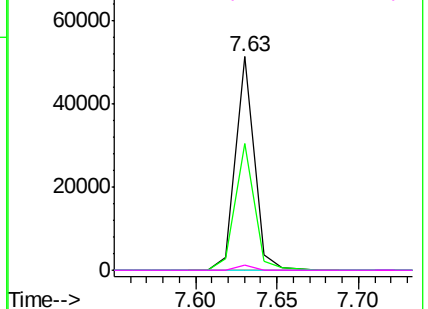


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.35 min Scan# 548

Delta R.T. -0.00 min

Lab File: BF080551.D

Acq: 18 Jul 2015 00:05

Tgt Ion:136 Resp: 220018

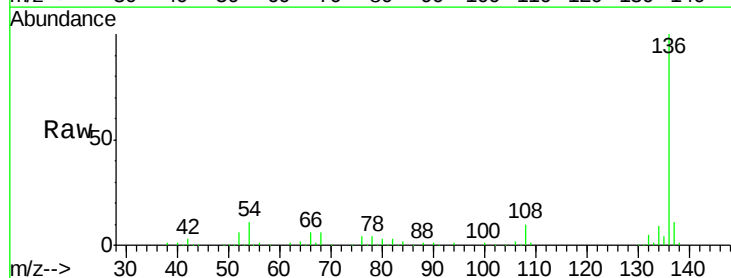
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 10.6 8.3 12.5

68 6.2 5.4 8.2

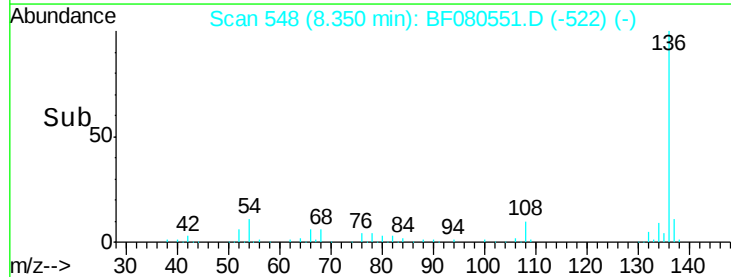
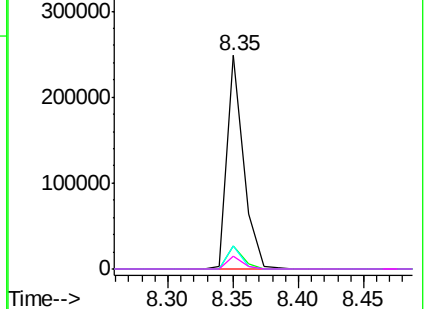


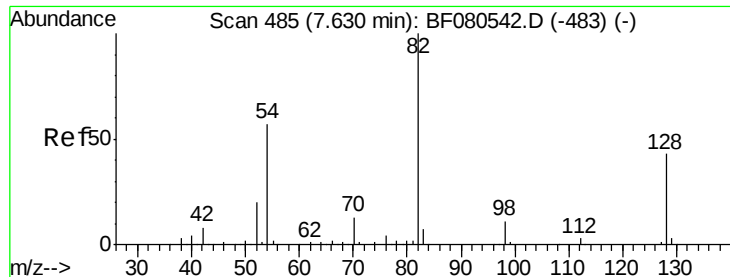
Abundance Ion 136.00 (135.70 to 136.70): E

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

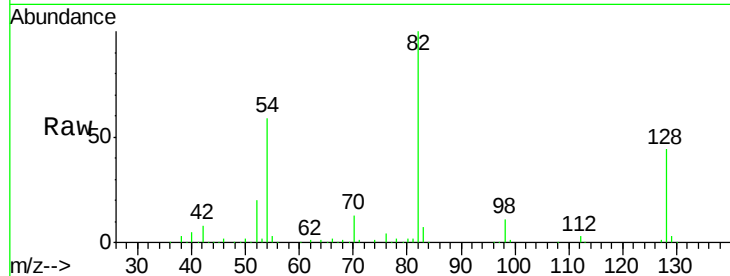




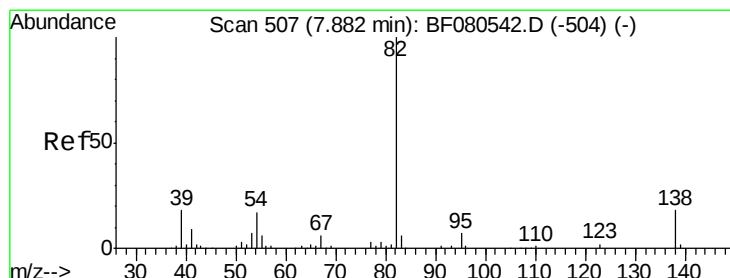
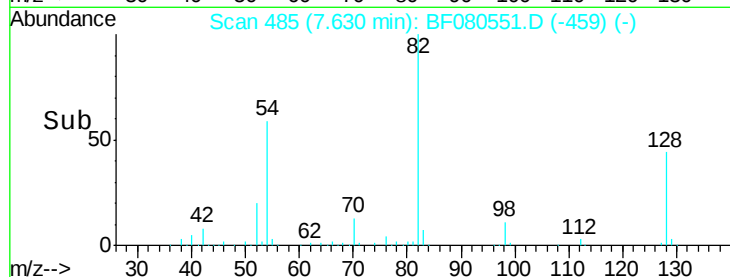
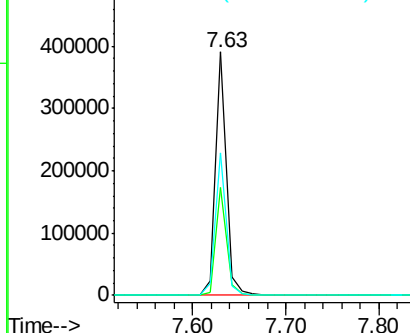
#23
 Nitrobenzene-d5
 Concen: 90.96 ng
 RT: 7.63 min Scan# 485
 Delta R.T. -0.00 min
 Lab File: BF080551.D
 Acq: 18 Jul 2015 00:05

Instrument :
 BNA_F
 ClientSampleId :
 SOILCUTTINGS

Tot Ion	82	Resp	313893
Ion Ratio	Lower	Upper	
82	100		
128	44.2	34.6	51.8
54	58.7	45.8	68.6

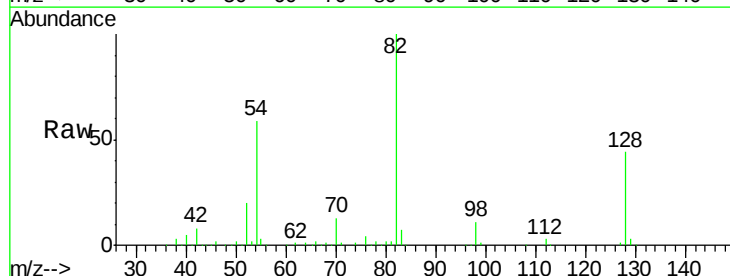


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

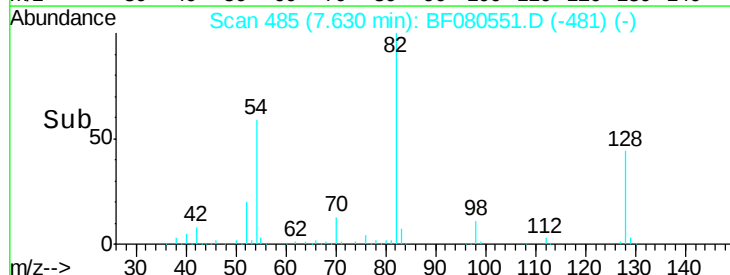
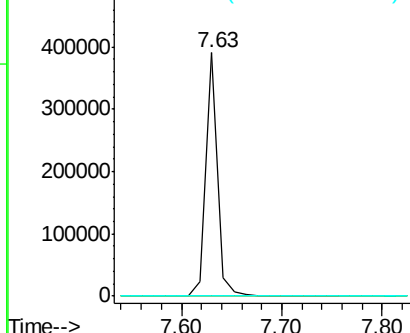


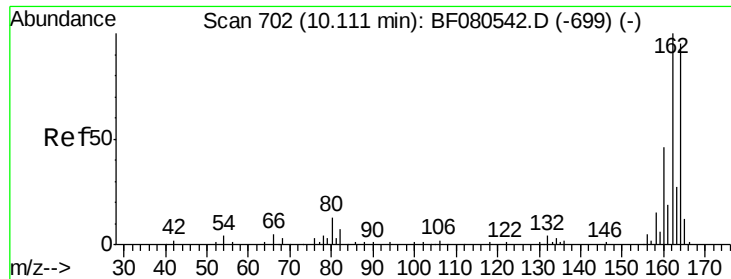
#25
 Isophorone
 Concen: 47.65 ng
 RT: 7.63 min Scan# 485
 Delta R.T. -0.25 min
 Lab File: BF080551.D
 Acq: 18 Jul 2015 00:05

Tgt Ion	82	Resp	313885
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.5	8.3#
138	0.0	14.7	22.1#



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

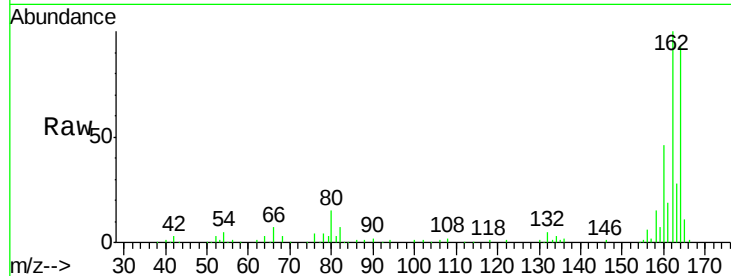




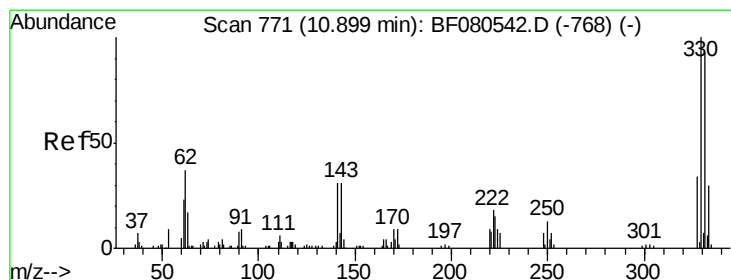
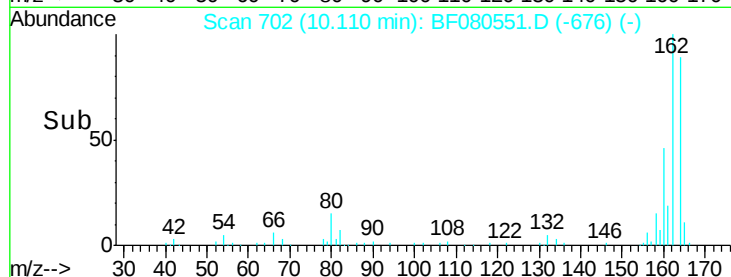
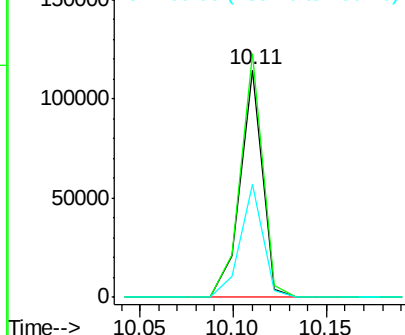
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.11 min Scan# 702
 Delta R.T. -0.00 min
 Lab File: BF080551.D
 Acq: 18 Jul 2015 00:05

Instrument :
 BNA_F
 ClientSampleId :
 SOILCUTTINGS

Tot Ion:164 Resp: 95936
 Ion Ratio Lower Upper
 164 100
 162 107.2 84.1 126.1
 160 49.7 38.8 58.2

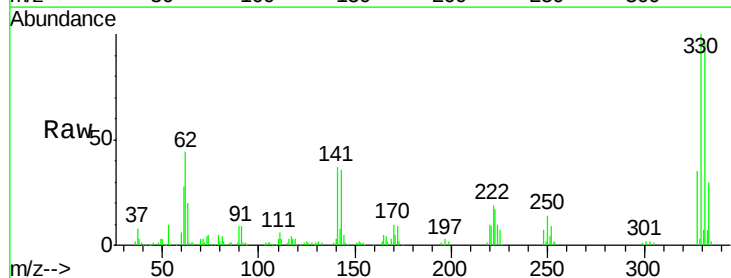


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

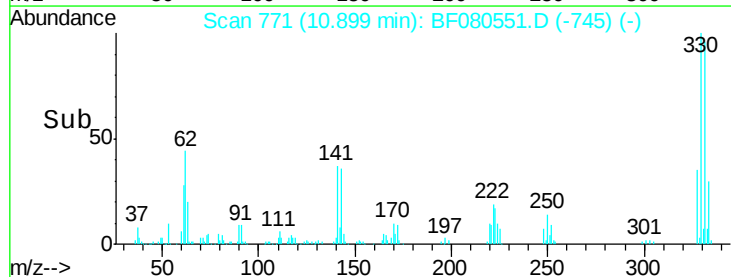
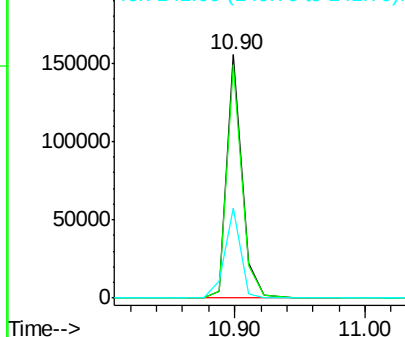


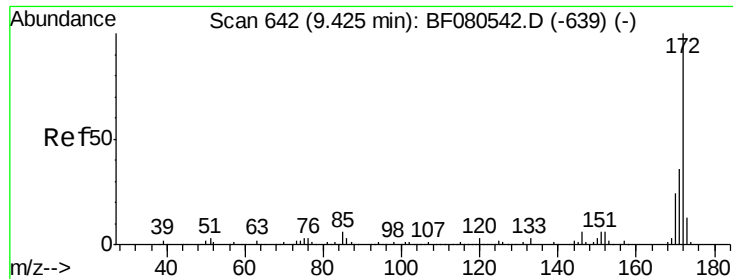
#41
 2,4,6-Tribromophenol
 Concen: 147.60 ng
 RT: 10.90 min Scan# 771
 Delta R.T. -0.00 min
 Lab File: BF080551.D
 Acq: 18 Jul 2015 00:05

Tgt Ion:330 Resp: 126708
 Ion Ratio Lower Upper
 330 100
 332 95.7 74.3 111.5
 141 39.0 29.0 43.4



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

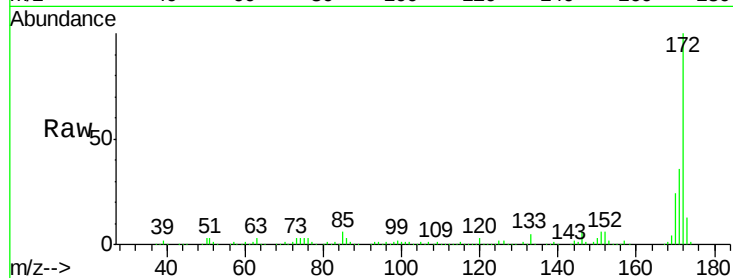




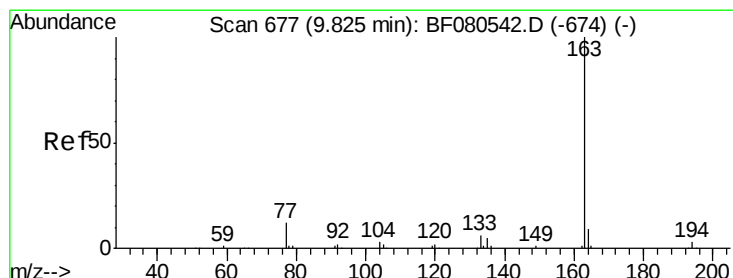
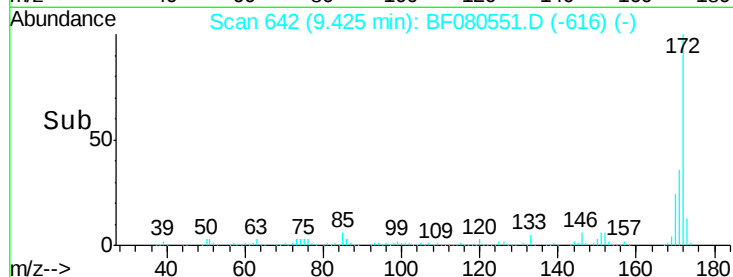
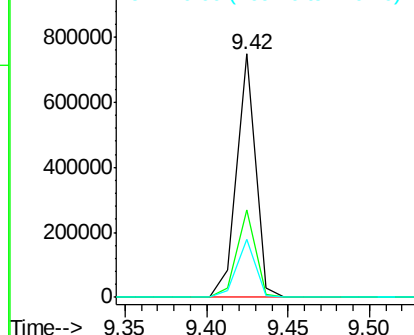
#44
2-Fluorobiphenyl
Concen: 86.63 ng
RT: 9.42 min Scan# 642
Delta R.T. -0.00 min
Lab File: BF080551.D
Acq: 18 Jul 2015 00:05

Instrument :
BNA_F
ClientSampleId :
SOILCUTTINGS

Tot Ion:172 Resp: 591742
Ion Ratio Lower Upper
172 100
171 35.9 28.8 43.2
170 23.7 19.0 28.4

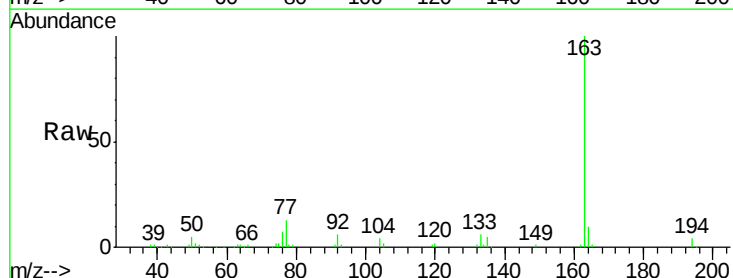


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

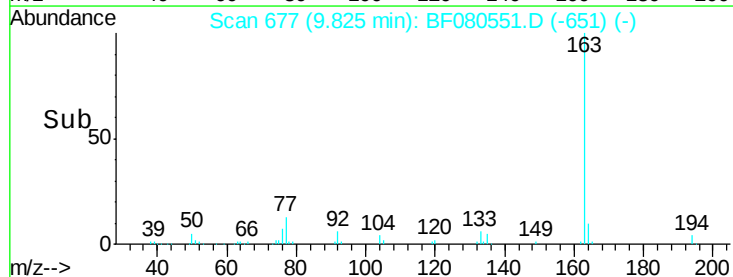
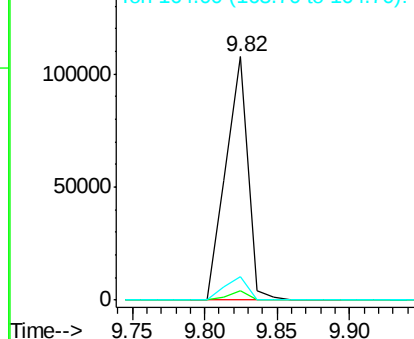


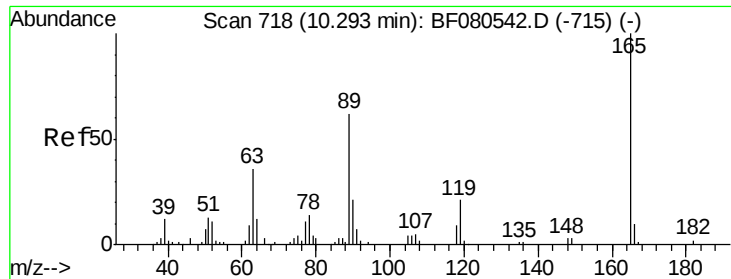
#49
Dimethylphthalate
Concen: 17.92 ng
RT: 9.82 min Scan# 677
Delta R.T. -0.00 min
Lab File: BF080551.D
Acq: 18 Jul 2015 00:05

Tgt Ion:163 Resp: 114368
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 9.5 7.4 11.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

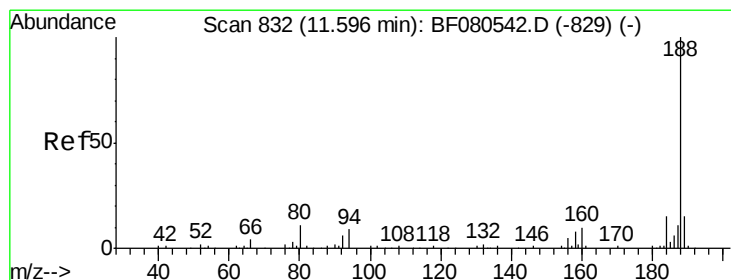
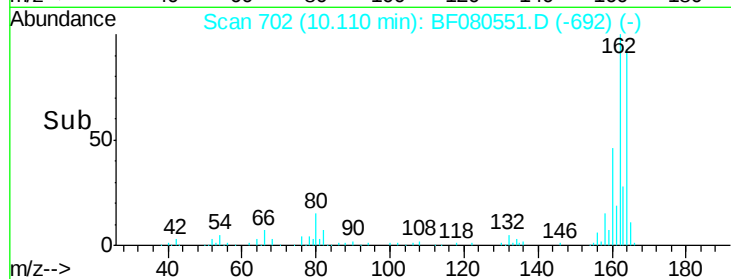
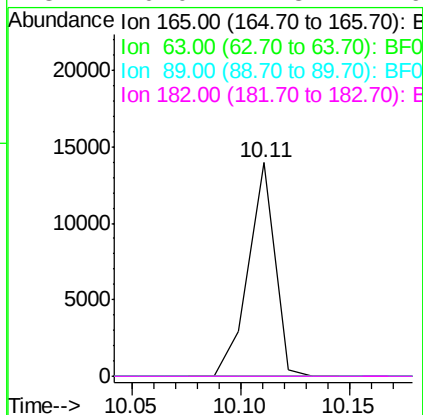
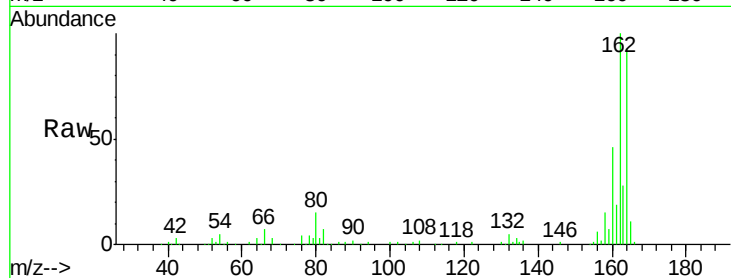




#56
 2,4-Dinitrotoluene
 Concen: 8.73 ng
 RT: 10.11 min Scan# 702
 Delta R.T. -0.18 min
 Lab File: BF080551.D
 Acq: 18 Jul 2015 00:05

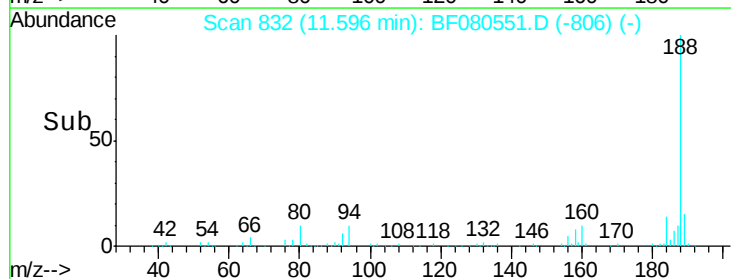
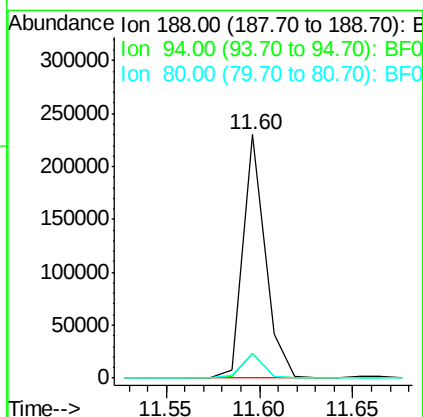
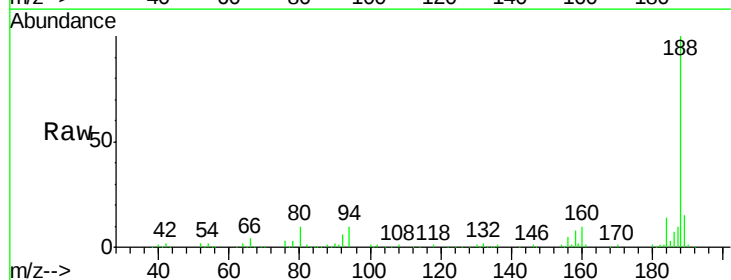
Instrument :
 BNA_F
 ClientSampleId :
 SOILCUTTINGS

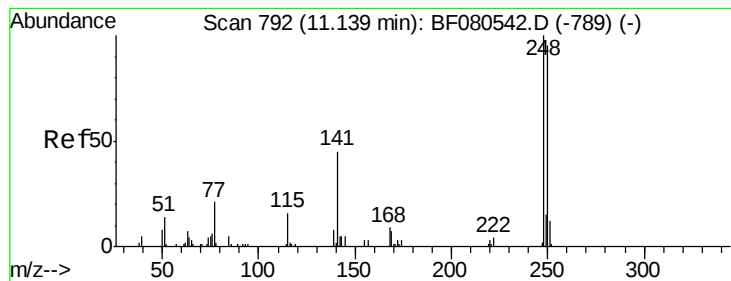
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.2	45.4#
89	0.0	49.9	74.9#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.60 min Scan# 832
 Delta R.T. -0.00 min
 Lab File: BF080551.D
 Acq: 18 Jul 2015 00:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.6	11.4
80	10.3	8.6	12.8





#66

4-Bromophenyl-phenylether

Concen: 4.54 ng

RT: 10.90 min Scan# 771

Delta R.T. -0.24 min

Lab File: BF080551.D

Acq: 18 Jul 2015 00:05

Instrument :

BNA_F

ClientSampleId :

SOILCUTTINGS

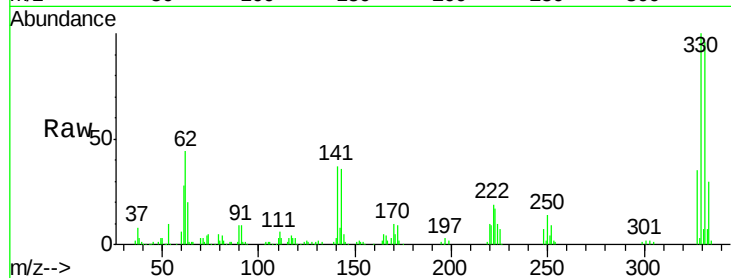
Tot Ion:248 Resp: 8075

Ion Ratio Lower Upper

248 100

250 217.3 76.4 114.6#

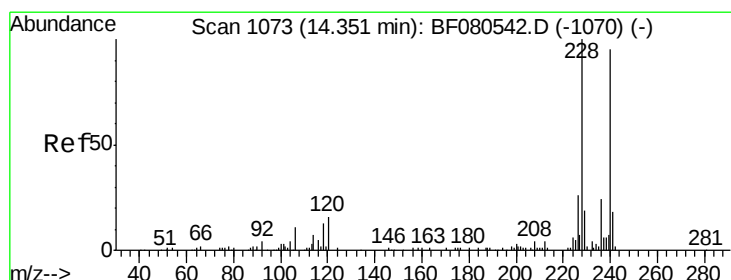
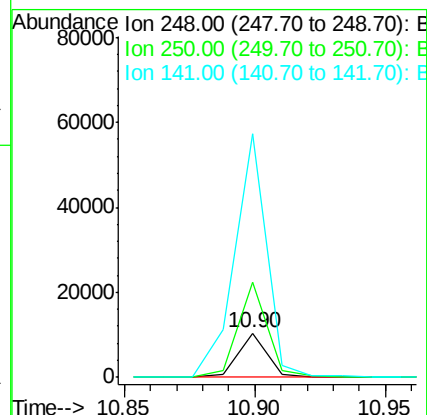
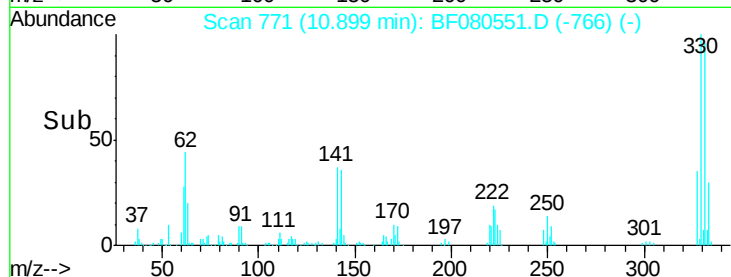
141 552.3 36.0 54.0#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.41 min Scan# 1078

Delta R.T. 0.06 min

Lab File: BF080551.D

Acq: 18 Jul 2015 00:05

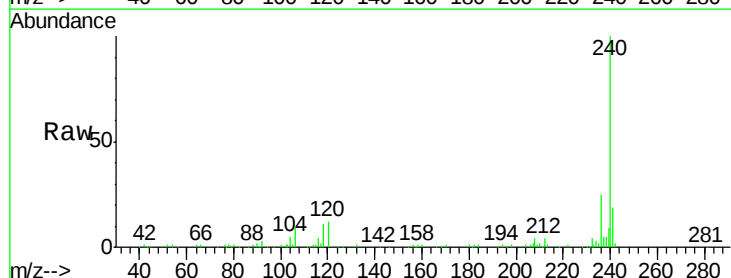
Tgt Ion:240 Resp: 155256

Ion Ratio Lower Upper

240 100

120 12.2 13.6 20.4#

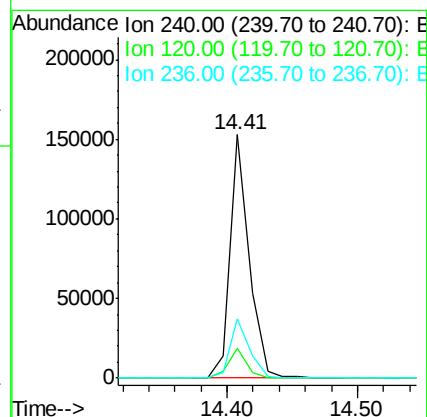
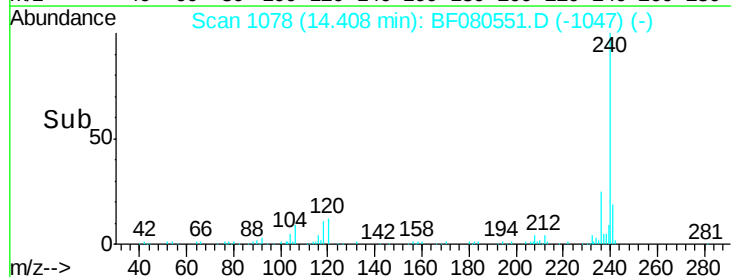
236 24.6 20.2 30.4

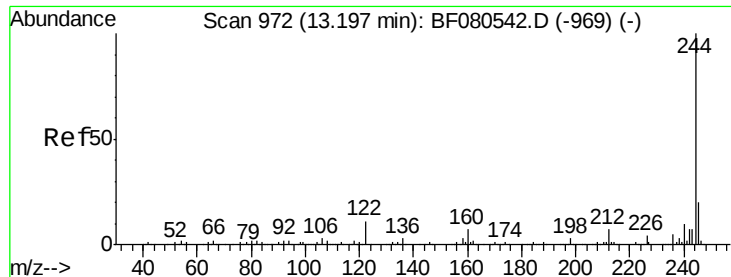


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 78.05 ng

RT: 13.22 min Scan# 974

Delta R.T. 0.02 min

Lab File: BF080551.D

Acq: 18 Jul 2015 00:05

Instrument :

BNA_F

ClientSampleId :

SOILCUTTINGS

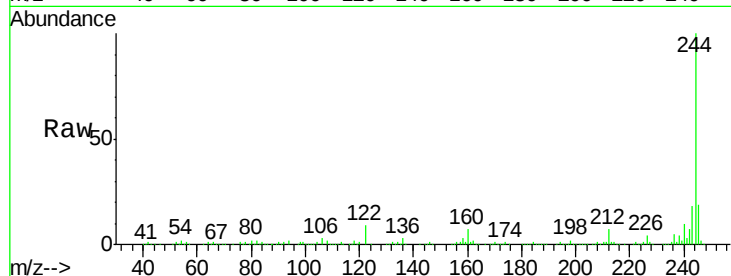
Tot Ion:244 Resp: 542673

Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

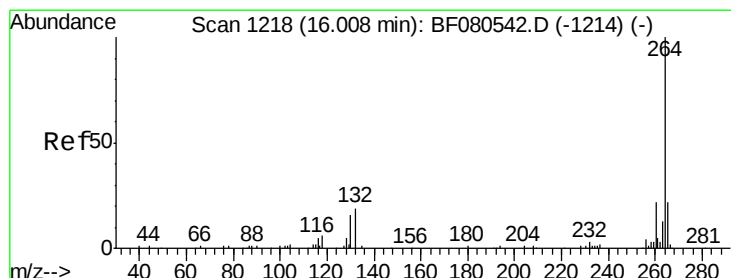
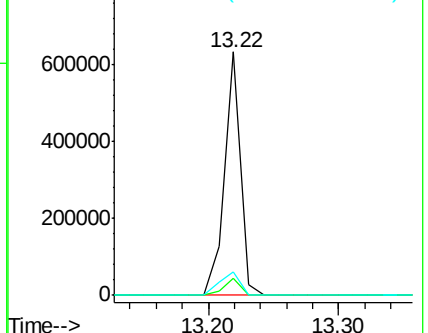
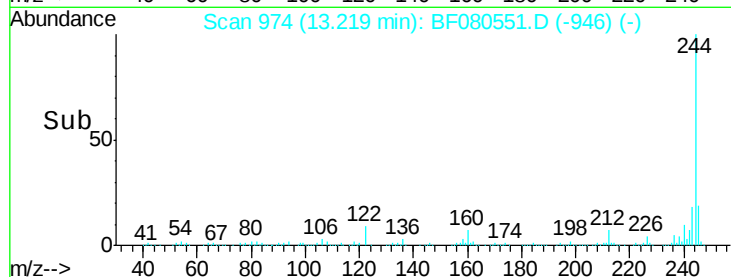
122 9.4 9.0 13.4



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

Perylene-d12

Concen: 20.00 ng

RT: 16.11 min Scan# 1227

Delta R.T. 0.10 min

Lab File: BF080551.D

Acq: 18 Jul 2015 00:05

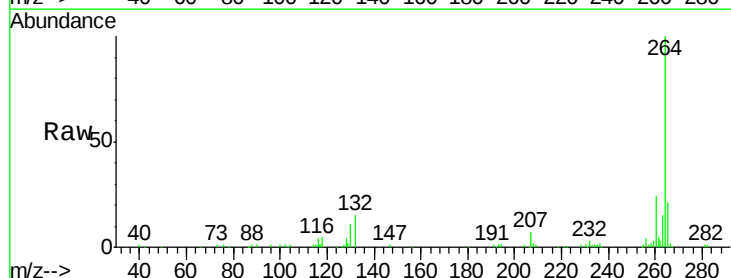
Tgt Ion:264 Resp: 133465

Ion Ratio Lower Upper

264 100

260 23.7 17.8 26.8

265 21.2 17.2 25.8



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

