

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111716\
 Data File : BF091219.D
 Acq On : 17 Nov 2016 18:25
 Operator : UM/SJ
 Sample : H5373-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOILCUTTINGS

Quant Time: Nov 18 03:06:48 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 12:59:29 2016
 Response via : Initial Calibration

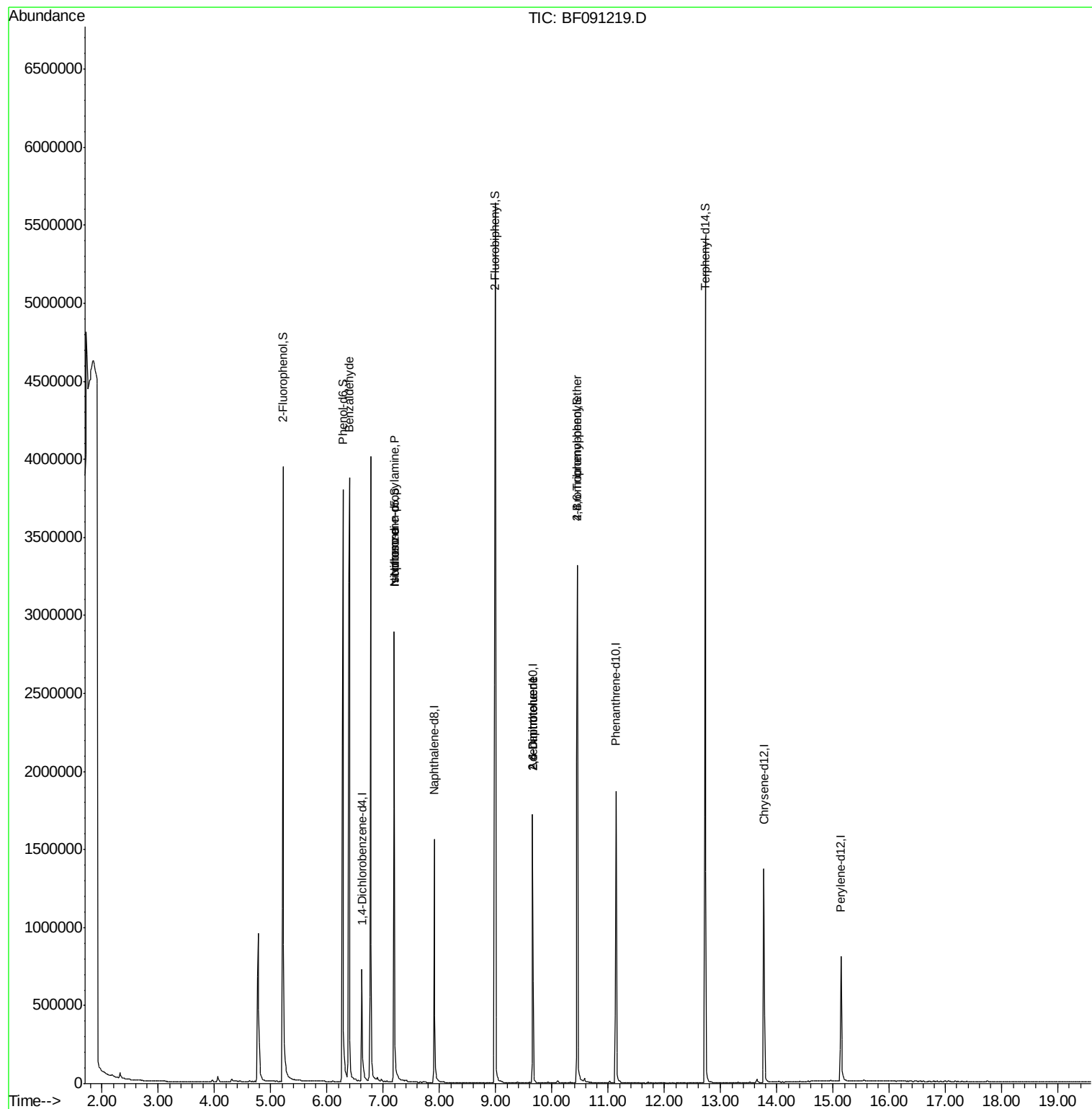
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	178171	20.00	ng	-0.03
21) Naphthalene-d8	7.90	136	784168	20.00	ng	-0.05
38) Acenaphthene-d10	9.65	164	410400	20.00	ng	-0.05
63) Phenanthrene-d10	11.14	188	707258	20.00	ng	-0.03
75) Chrysene-d12	13.77	240	490579	20.00	ng	-0.05
86) Perylene-d12	15.14	264	346504	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1337242	123.96	ng	-0.02
7) Phenol-d6	6.28	99	1757221	120.00	ng	-0.03
23) Nitrobenzene-d5	7.20	82	1341066	93.29	ng	-0.05
41) 2,4,6-Tribromophenol	10.45	330	561507	151.34	ng	-0.03
44) 2-Fluorobiphenyl	8.99	172	2047023	85.87	ng	-0.05
78) Terphenyl-d14	12.73	244	1997192	101.59	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.40	77	34850	4.29	ng	Qvalue 93
19) n-Nitroso-di-n-propylamine	7.20	70	181427	17.88	ng	# 74
25) Isophorone	7.20	82	1327975	47.94	ng	# 67
50) 2,6-Dinitrotoluene	9.65	165	52286	9.07	ng	# 11
56) 2,4-Dinitrotoluene	9.65	165	52283	7.13	ng	# 26
66) 4-Bromophenyl-phenylether	10.45	248	39185	5.33	ng	# 1

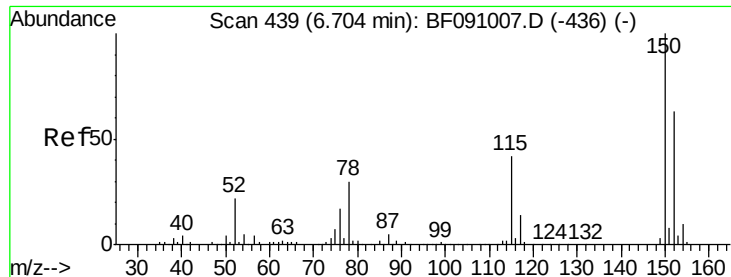
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 08 12:59:29 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 432

Delta R.T. -0.03 min

Lab File: BF091219.D

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Instrument :

BNA_F

ClientSampleId :

SOILCUTTINGS

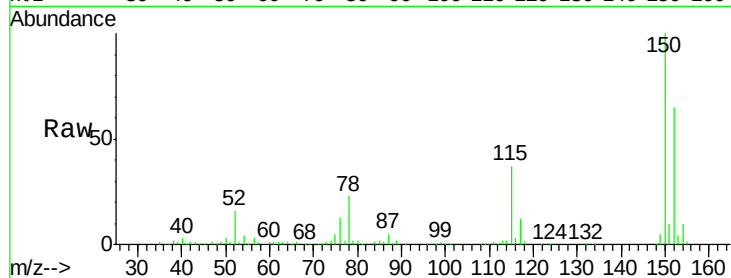
Tgt Ion:152 Resp: 178171

Ion Ratio Lower Upper

152 100

150 153.6 126.8 190.2

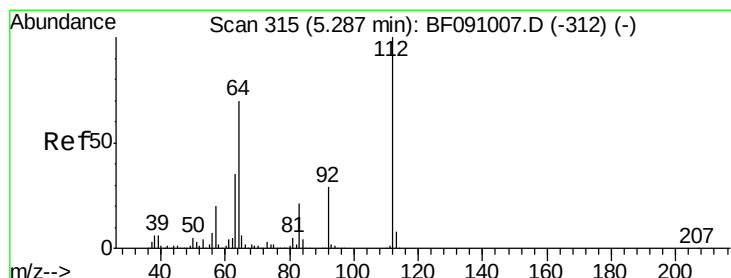
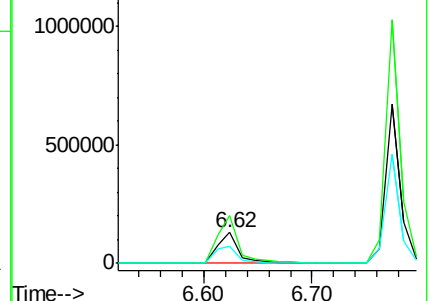
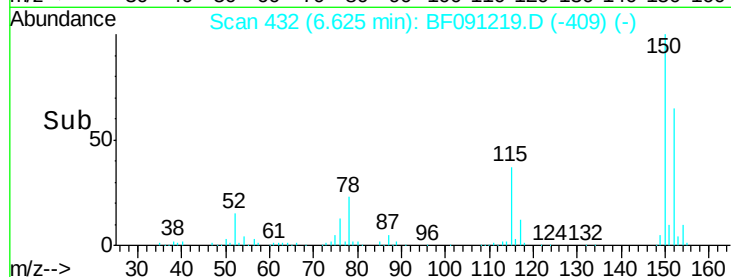
115 56.3 53.3 79.9



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: 123.96 ng

RT: 5.22 min Scan# 309

Delta R.T. -0.02 min

Lab File: BF091219.D

Acq: 17 Nov 2016 18:25

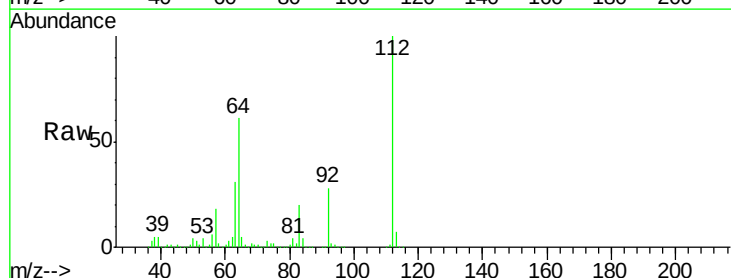
Tgt Ion:112 Resp: 1337242

Ion Ratio Lower Upper

112 100

64 60.8 55.8 83.6

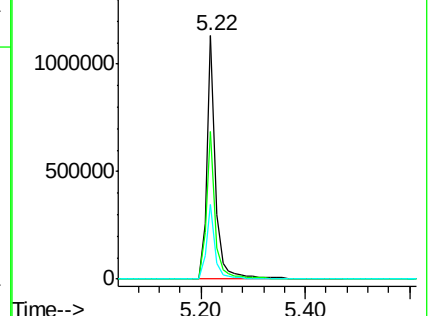
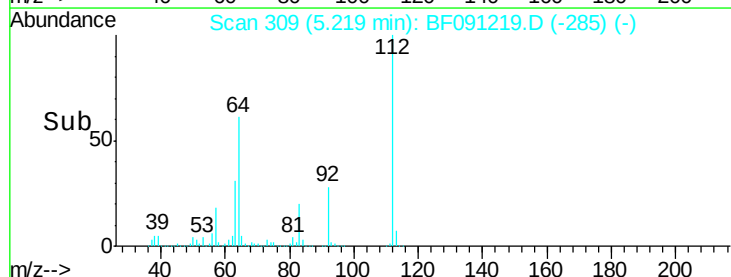
63 30.9 28.0 42.0

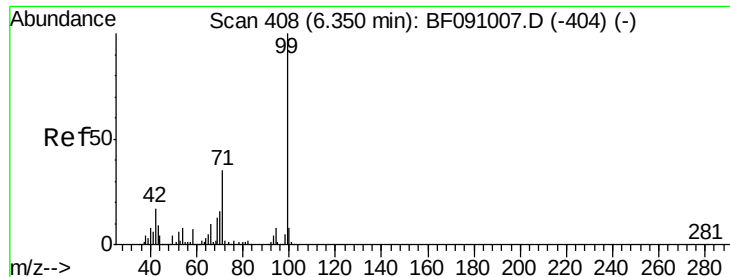


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 120.00 ng

RT: 6.28 min Scan# 402

Delta R.T. -0.03 min

Lab File: BF091219.D

Acq: 17 Nov 2016 18:25

Instrument :

BNA_F

ClientSampleId :

SOILCUTTINGS

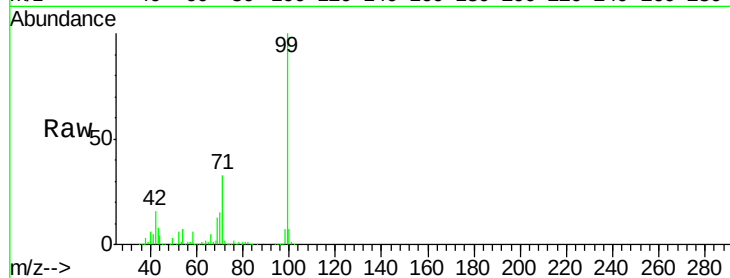
Tgt Ion: 99 Resp: 1757221

Ion Ratio Lower Upper

99 100

42 15.7 13.9 20.9

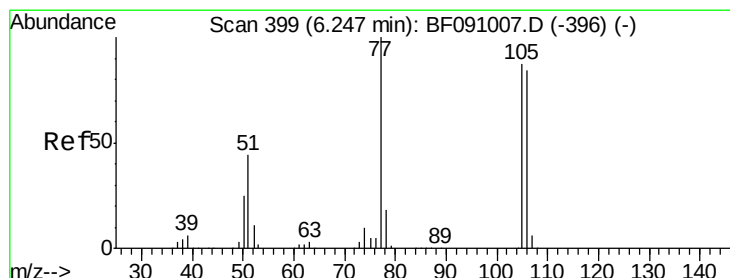
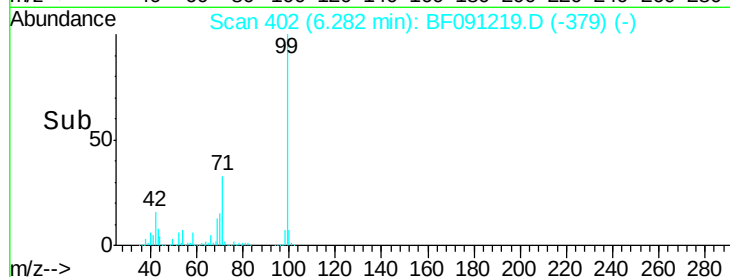
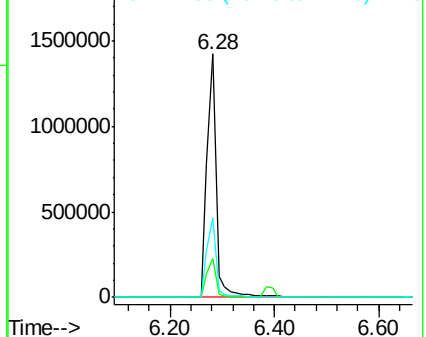
71 32.7 27.8 41.8



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



#9

Benzaldehyde

Concen: 4.29 ng

RT: 6.40 min Scan# 412

Delta R.T. 0.19 min

Lab File: BF091219.D

Acq: 17 Nov 2016 18:25

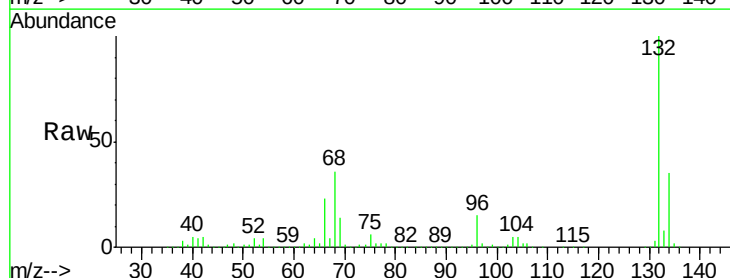
Tgt Ion: 77 Resp: 34850

Ion Ratio Lower Upper

77 100

105 83.1 66.8 106.8

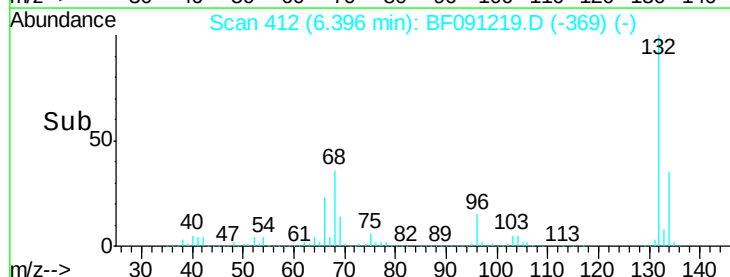
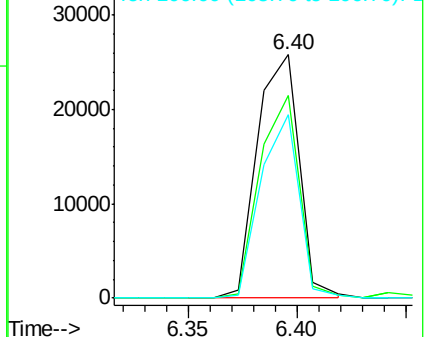
106 75.1 64.0 104.0

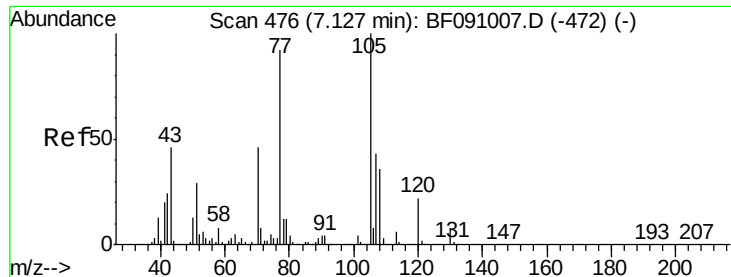


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

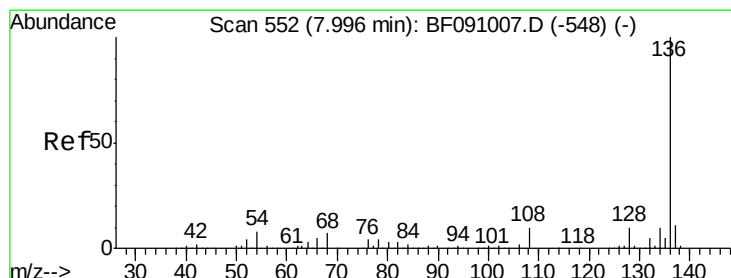
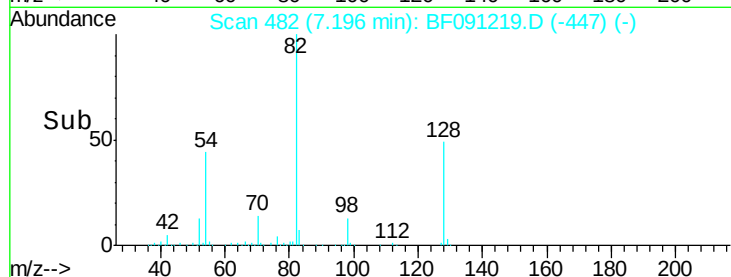
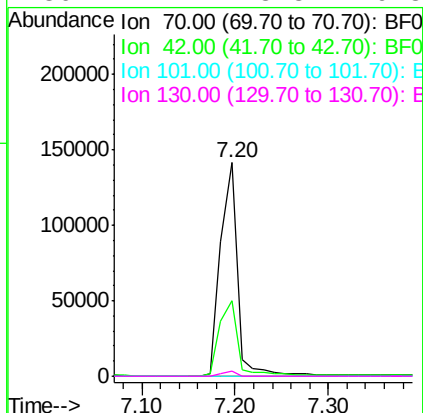
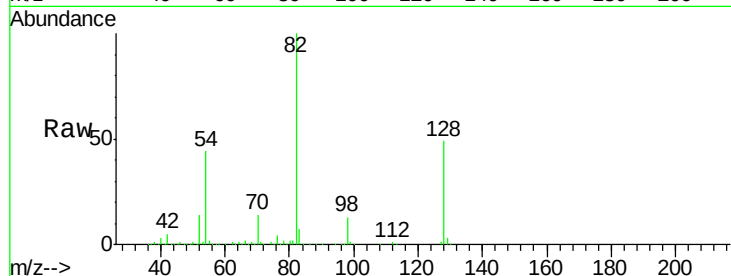




#19
n-Nitroso-di-n-propylamine
Concen: 17.88 ng
RT: 7.20 min Scan# 482
Delta R.T. 0.10 min
Lab File: BF091219.D
Acq: 17 Nov 2016 18:25

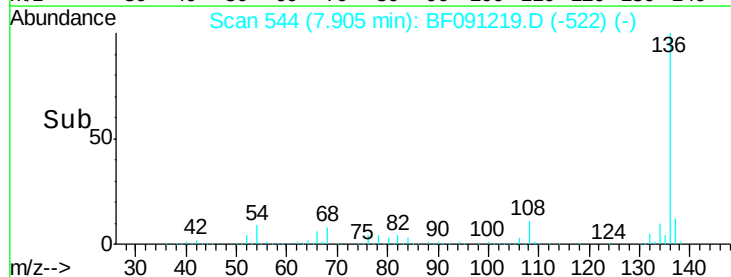
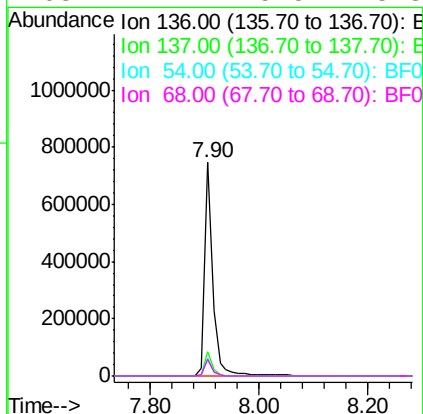
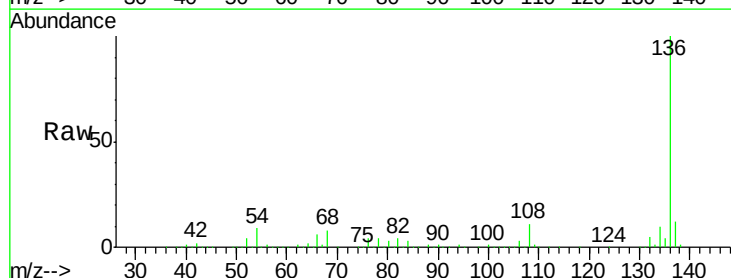
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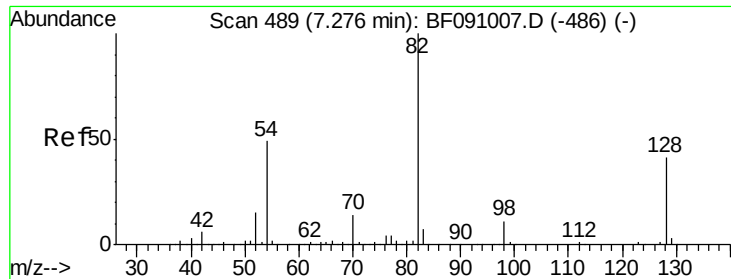
Tgt Ion: 70 Resp: 181427
Ion Ratio Lower Upper
70 100
42 35.6 41.7 62.5#
101 0.0 6.7 10.1#
130 2.4 13.8 20.8#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 544
Delta R.T. -0.05 min
Lab File: BF091219.D
Acq: 17 Nov 2016 18:25

Tgt Ion: 136 Resp: 784168
Ion Ratio Lower Upper
136 100
137 11.5 8.9 13.3
54 8.7 6.2 9.2
68 7.7 5.5 8.3

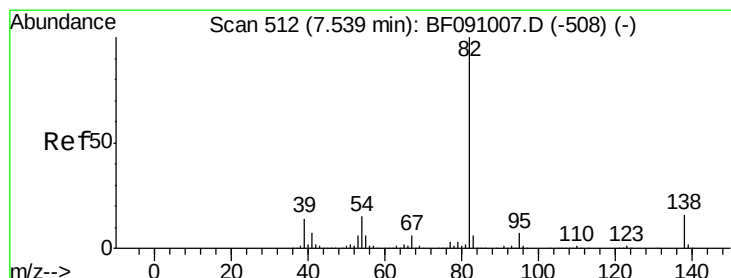
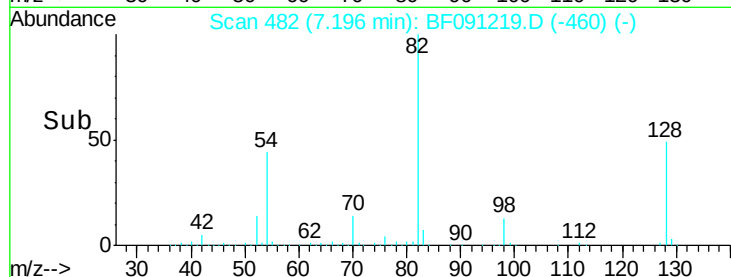
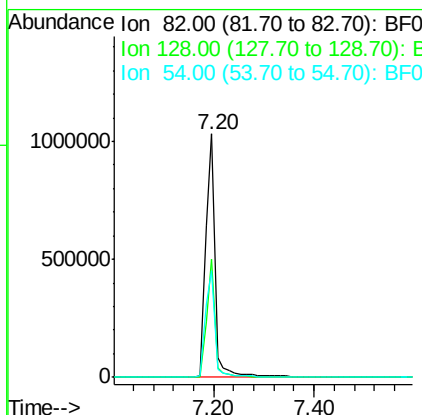
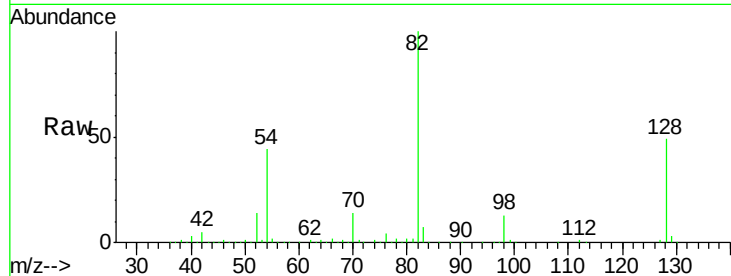




#23
 Nitrobenzene-d5
 Concen: 93.29 ng
 RT: 7.20 min Scan# 482
 Delta R.T. -0.05 min
 Lab File: BF091219.D
 Acq: 17 Nov 2016 18:25

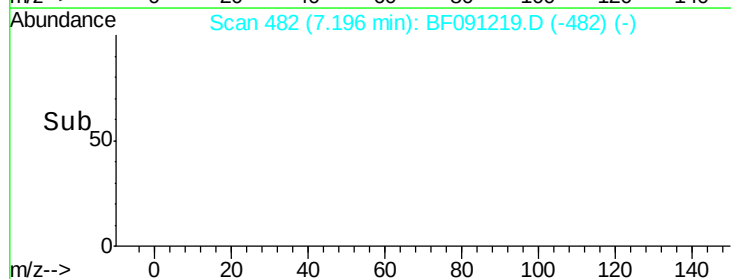
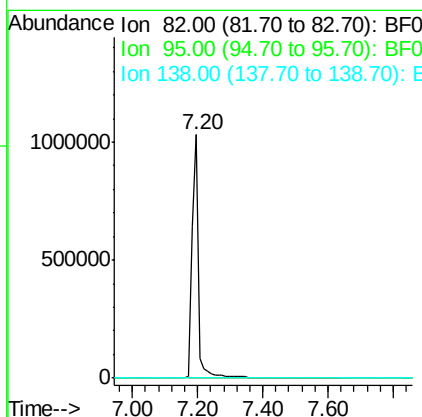
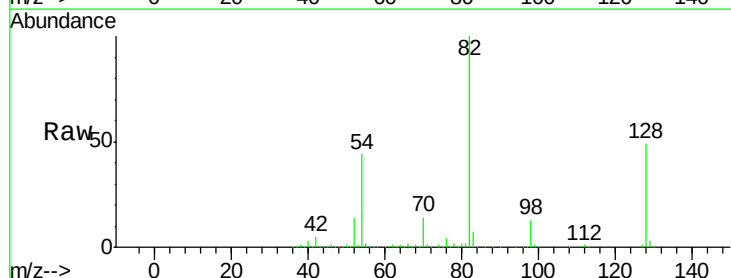
Instrument :
 BNA_F
 ClientSampleId :
 SOILCUTTINGS

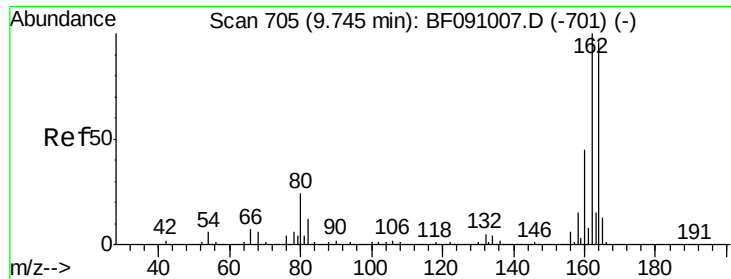
Tgt Ion: 82 Resp: 1341066
 Ion Ratio Lower Upper
 82 100
 128 48.7 32.4 48.6#
 54 44.0 39.2 58.8



#25
 Isophorone
 Concen: 47.94 ng
 RT: 7.20 min Scan# 482
 Delta R.T. -0.30 min
 Lab File: BF091219.D
 Acq: 17 Nov 2016 18:25

Tgt Ion: 82 Resp: 1327975
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.0#
 138 0.0 13.0 19.4#

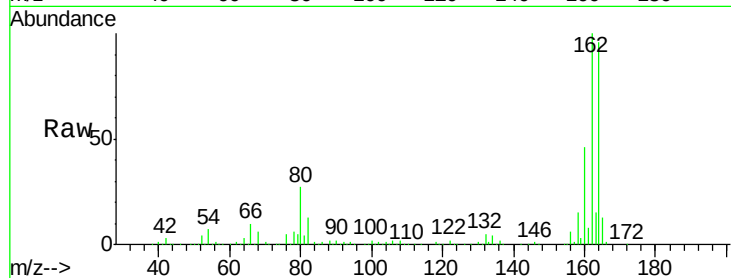




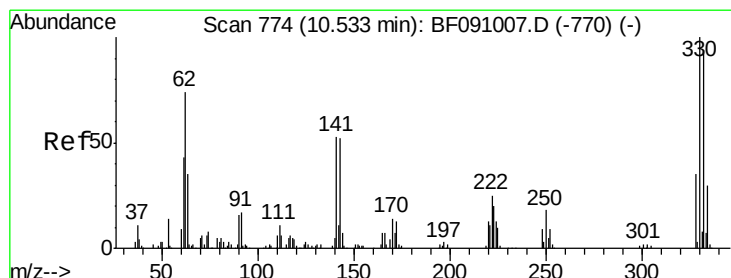
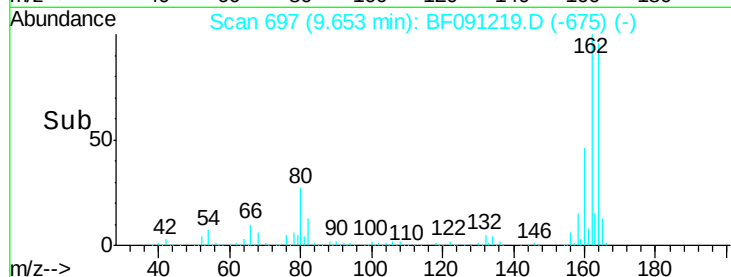
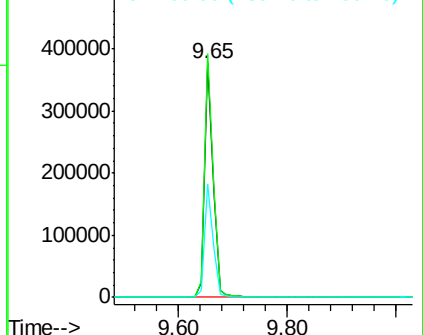
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.65 min Scan# 697
 Delta R.T. -0.05 min
 Lab File: BF091219.D
 Acq: 17 Nov 2016 18:25

Instrument :
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 ClientSampleId :
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Tgt Ion:164 Resp: 410400
 Ion Ratio Lower Upper
 164 100
 162 104.0 83.6 125.4
 160 48.1 37.9 56.9

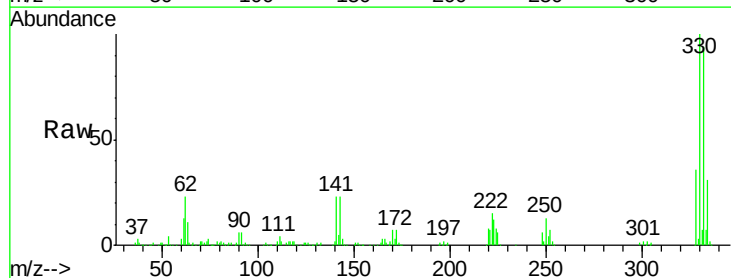


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

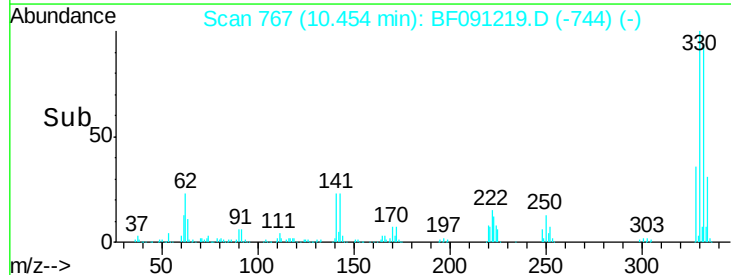
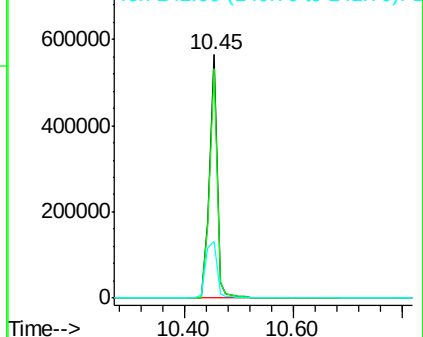


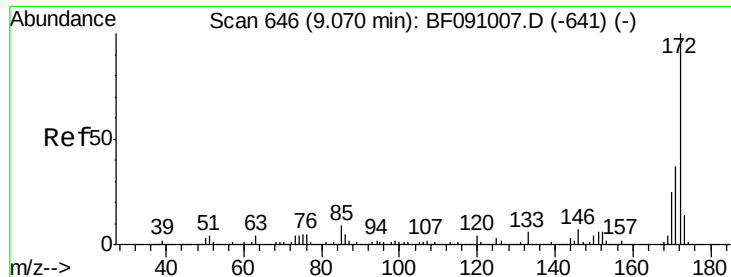
#41
 2,4,6-Tribromophenol
 Concen: 151.34 ng
 RT: 10.45 min Scan# 767
 Delta R.T. -0.03 min
 Lab File: BF091219.D
 Acq: 17 Nov 2016 18:25

Tgt Ion:330 Resp: 561507
 Ion Ratio Lower Upper
 330 100
 332 94.8 75.9 113.9
 141 34.5 36.1 54.1#



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

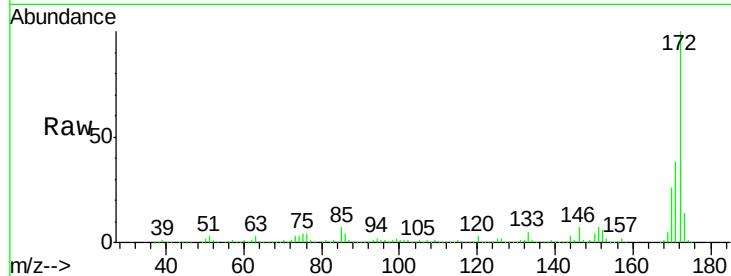




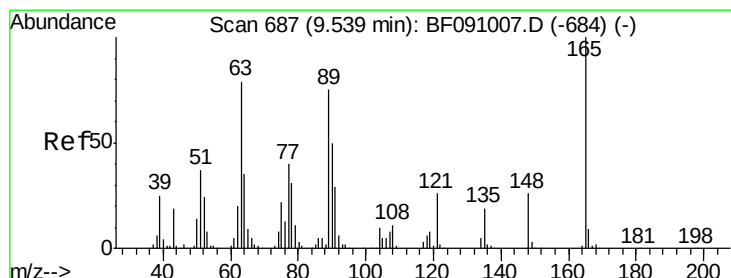
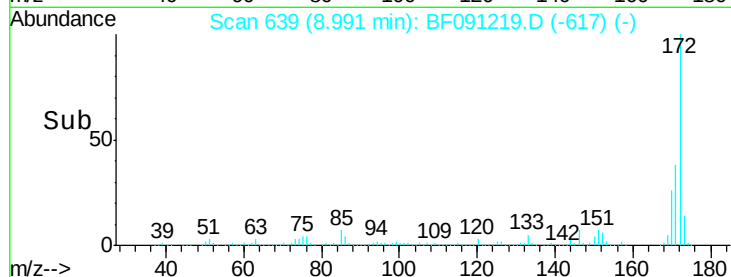
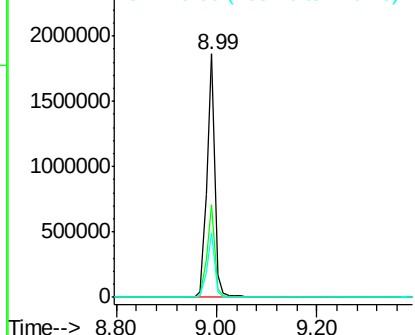
#44
 2-Fluorobiphenyl
 Concen: 85.87 ng
 RT: 8.99 min Scan# 639
 Delta R.T. -0.05 min
 Lab File: BF091219.D
 Acq: 17 Nov 2016 18:25

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Tgt Ion:172 Resp: 2047023
 Ion Ratio Lower Upper
 172 100
 171 37.8 29.8 44.6
 170 26.3 20.3 30.5

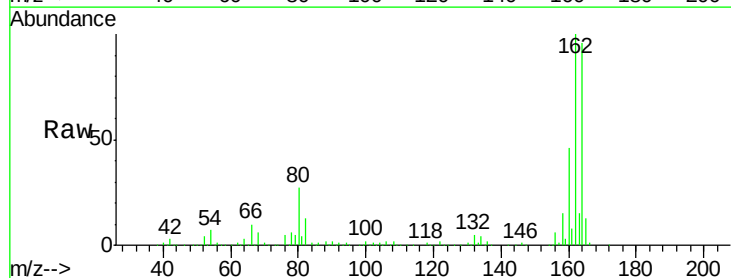


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

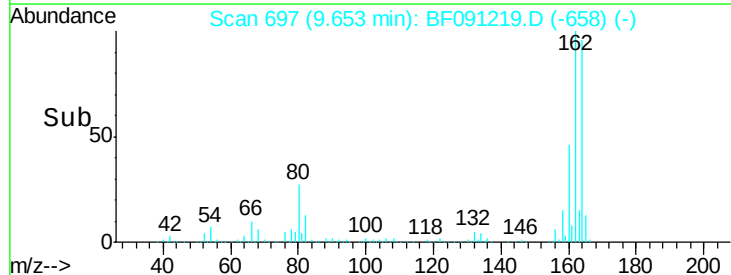
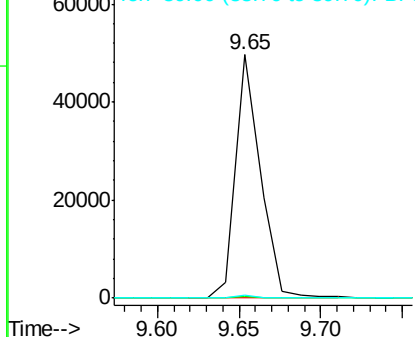


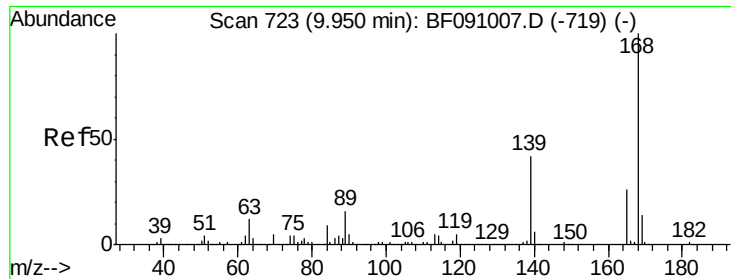
#50
 2,6-Dinitrotoluene
 Concen: 9.07 ng
 RT: 9.65 min Scan# 697
 Delta R.T. 0.15 min
 Lab File: BF091219.D
 Acq: 17 Nov 2016 18:25

Tgt Ion:165 Resp: 52286
 Ion Ratio Lower Upper
 165 100
 63 1.0 65.6 98.4#
 89 1.1 59.8 89.6#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

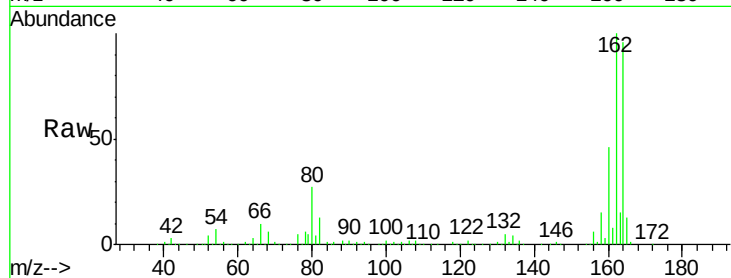




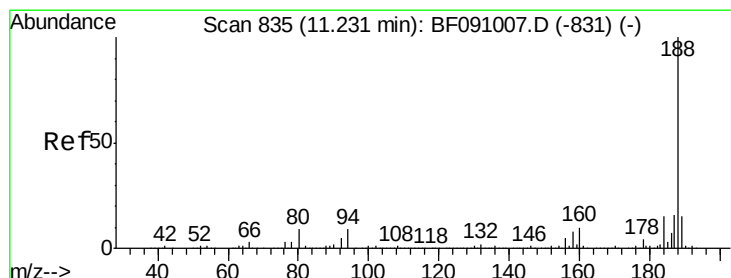
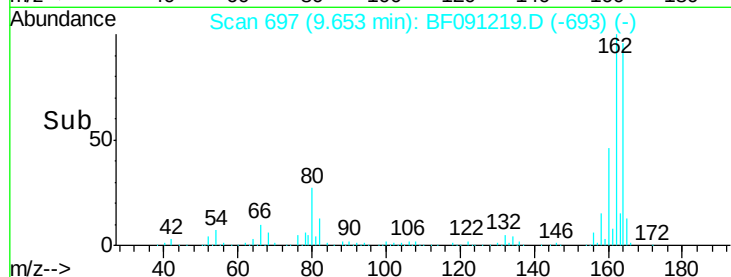
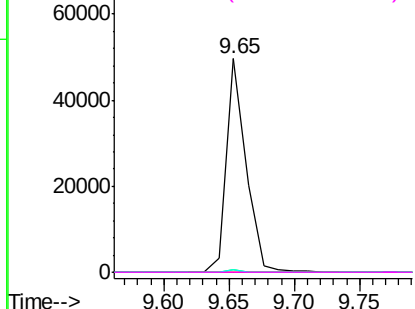
#56
 2,4-Dinitrotoluene
 Concen: 7.13 ng
 RT: 9.65 min Scan# 697
 Delta R.T. -0.25 min
 Lab File: BF091219.D
 Acq: 17 Nov 2016 18:25

Instrument :
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Tgt Ion:165 Resp: 52283
 Ion Ratio Lower Upper
 165 100
 63 1.0 38.7 58.1#
 89 1.1 50.6 76.0#
 182 0.0 1.8 2.8#

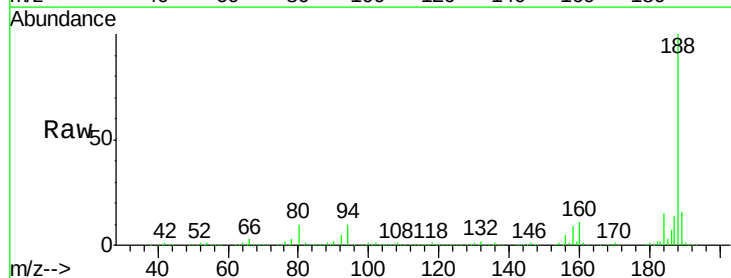


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

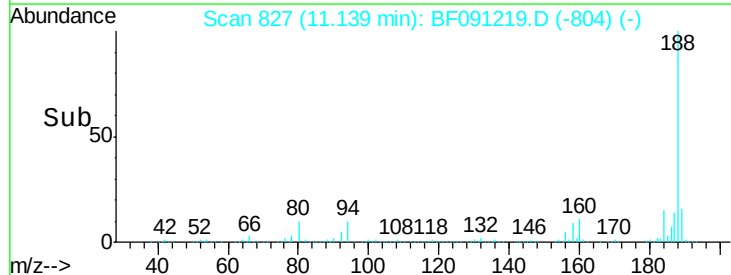
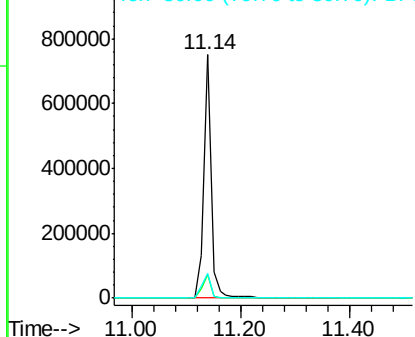


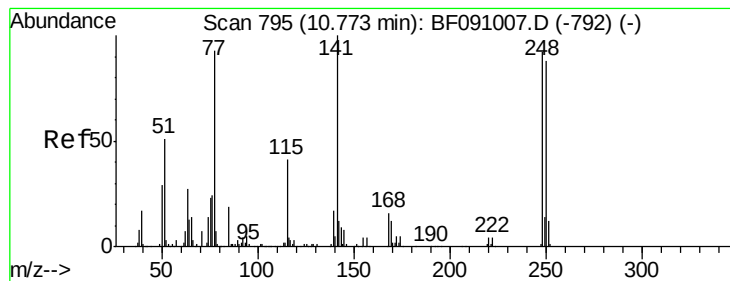
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.14 min Scan# 827
 Delta R.T. -0.03 min
 Lab File: BF091219.D
 Acq: 17 Nov 2016 18:25

Tgt Ion:188 Resp: 707258
 Ion Ratio Lower Upper
 188 100
 94 9.5 7.0 10.4
 80 10.1 7.5 11.3



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





#66

4-Bromophenyl-phenylether

Concen: 5.33 ng

RT: 10.45 min Scan# 767

Delta R.T. -0.27 min

Lab File: BF091219.D

Acq: 17 Nov 2016 18:25

Instrument :

BNA_F

ClientSampleId :

SOILCUTTINGS

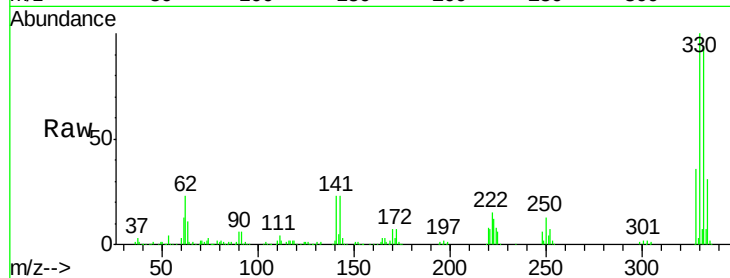
Tgt Ion:248 Resp: 39185

Ion Ratio Lower Upper

248 100

250 199.1 76.3 114.5#

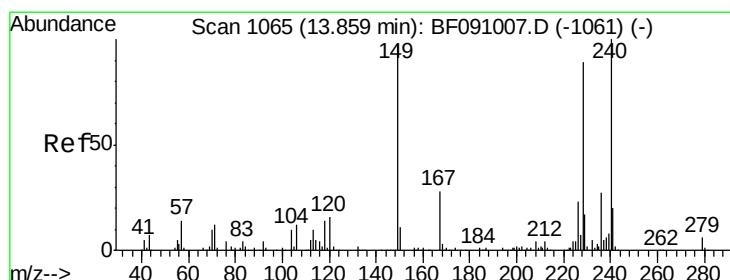
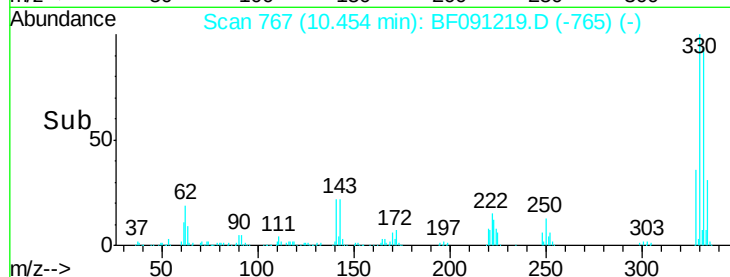
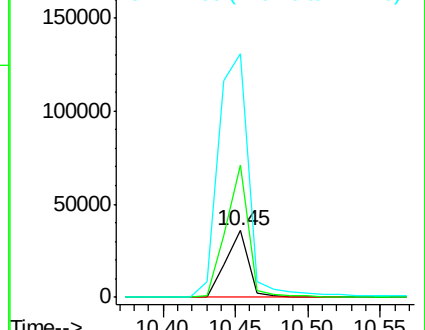
141 365.2 86.8 130.2#



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: 13.77 min Scan# 1057

Delta R.T. -0.05 min

Lab File: BF091219.D

Acq: 17 Nov 2016 18:25

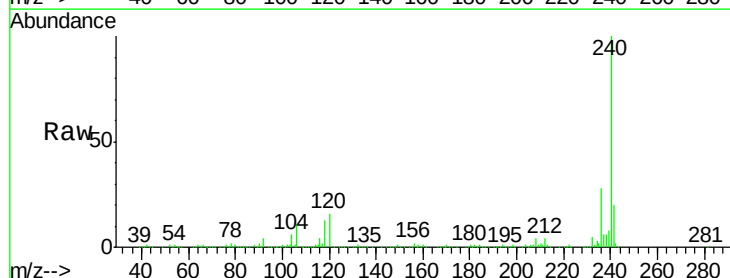
Tgt Ion:240 Resp: 490579

Ion Ratio Lower Upper

240 100

120 15.7 12.9 19.3

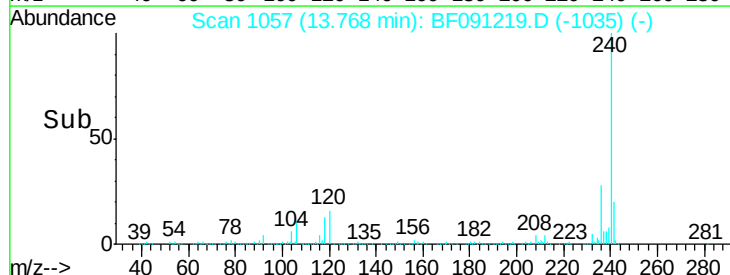
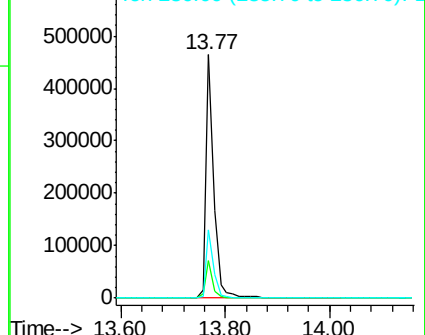
236 28.0 21.9 32.9

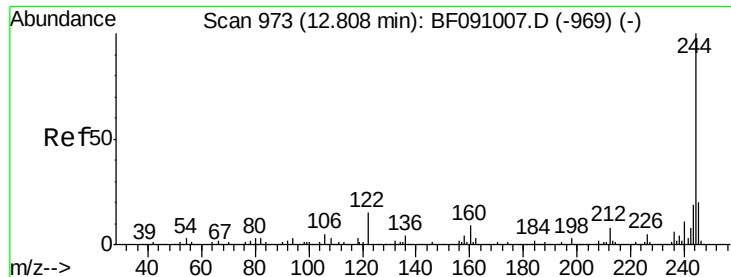


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

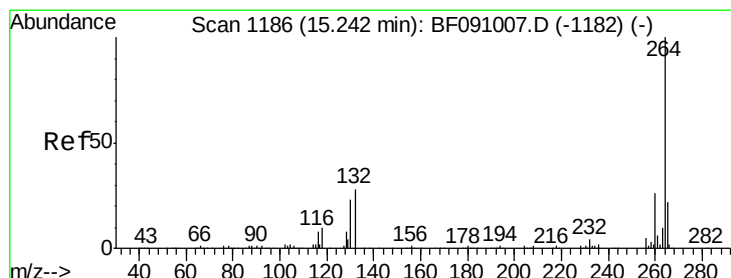
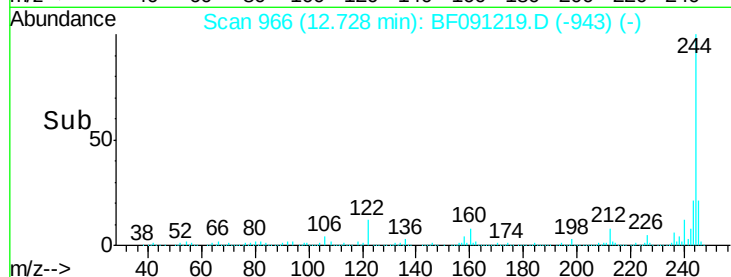
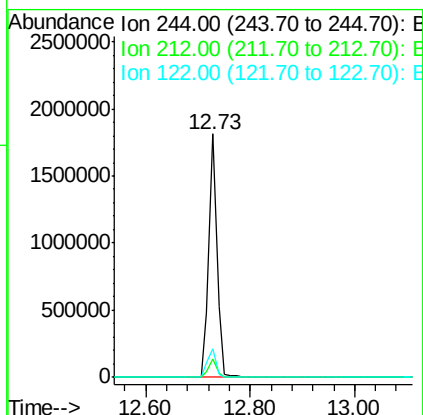
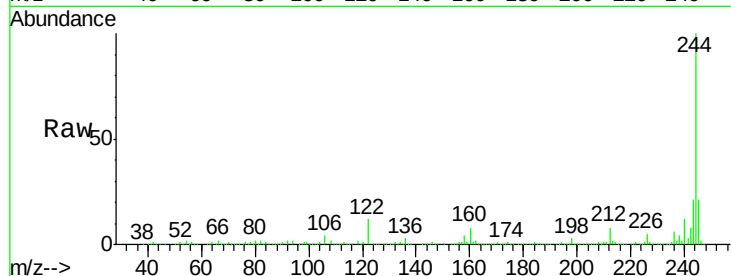




#78
 Terphenyl-d14
 Concen: 101.59 ng
 RT: 12.73 min Scan# 966
 Delta R.T. -0.03 min
 Lab File: BF091219.D
 Acq: 17 Nov 2016 18:25

Instrument :
 BNA_F
 ClientSampleId :
 SOILCUTTINGS

Tgt Ion:244 Resp: 1997192
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.4 9.6
 122 12.0 12.3 18.5#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.14 min Scan# 1177
 Delta R.T. -0.05 min
 Lab File: BF091219.D
 Acq: 17 Nov 2016 18:25

Tgt Ion:264 Resp: 346504
 Ion Ratio Lower Upper
 264 100
 260 25.9 20.6 30.8
 265 22.0 17.8 26.8

