

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF061118\
 Data File : BF106300.D
 Acq On : 11 Jun 2018 17:48
 Operator : JU/SJ
 Sample : J3360-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-SOIL-COMP

Quant Time: Jun 12 01:43:06 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 11 15:00:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	203653	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	773511	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	372941	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	724763	20.00	ng	0.00
75) Chrysene-d12	14.14	240	550707	20.00	ng	-0.02
86) Perylene-d12	15.68	264	553268	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	1504317	125.02	ng	0.00
7) Phenol-d6	6.59	99	1904257	125.26	ng	0.00
23) Nitrobenzene-d5	7.53	82	1268864	96.50	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	572707	159.60	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	1749020	82.52	ng	0.00
78) Terphenyl-d14	13.09	244	1888739	85.19	ng	0.00

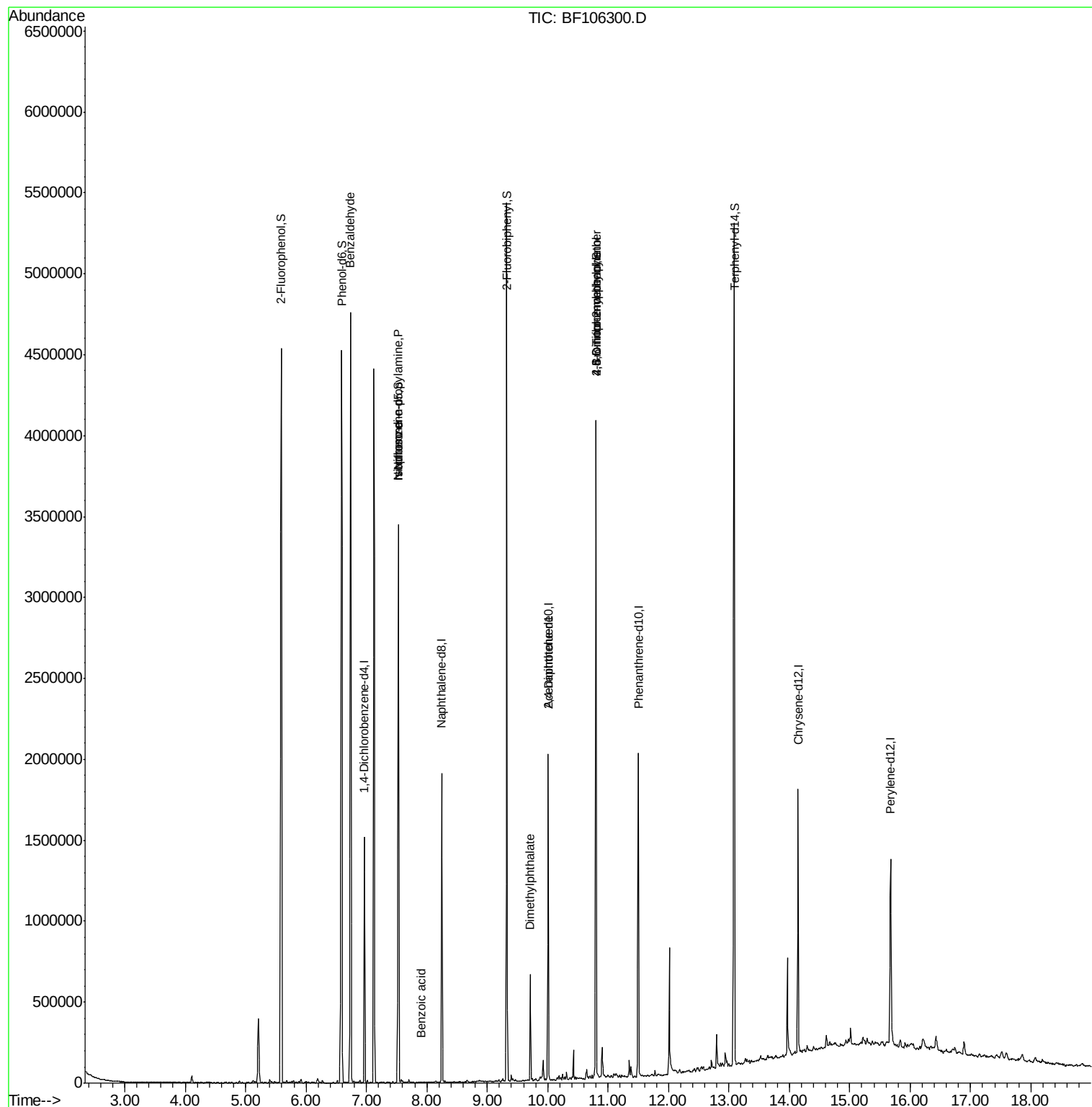
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.74	77	36837	3.195	ng	84
19) n-Nitroso-di-n-propylamine	7.53	70	178453	15.647	ng	# 75
25) Isophorone	7.53	82	1268847	49.406	ng	# 64
32) Benzoic acid	7.90	122	336	7.324	ng	# 89
49) Dimethylphthalate	9.71	163	210503	7.900	ng	100
56) 2,4-Dinitrotoluene	10.01	165	49101	7.184	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	1301	6.584	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	36879	4.474	ng	# 1

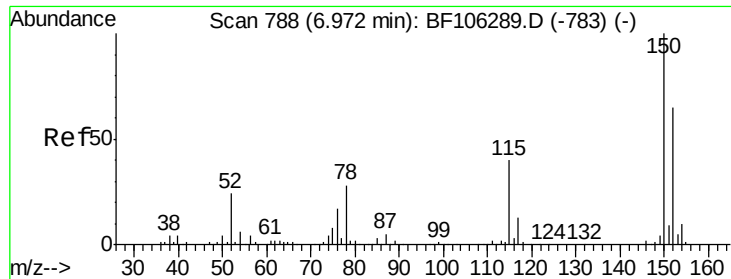
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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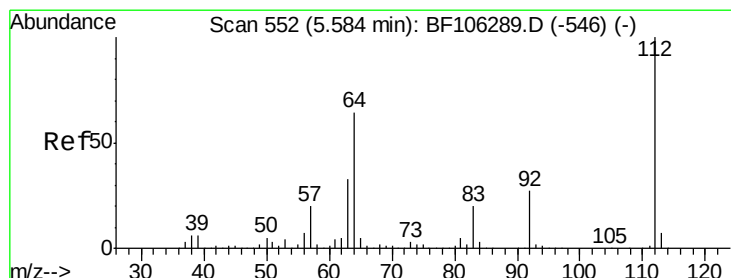
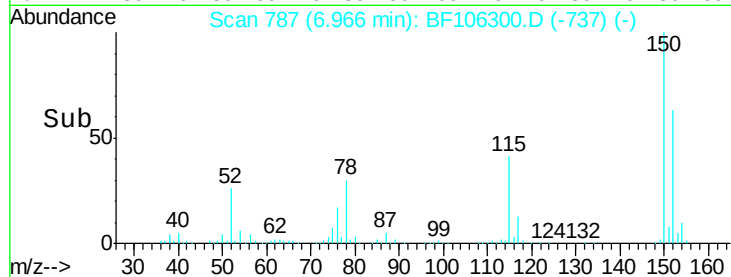
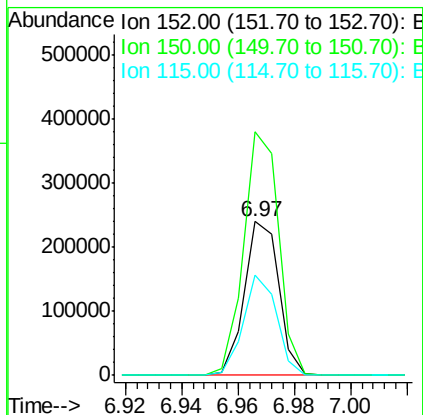
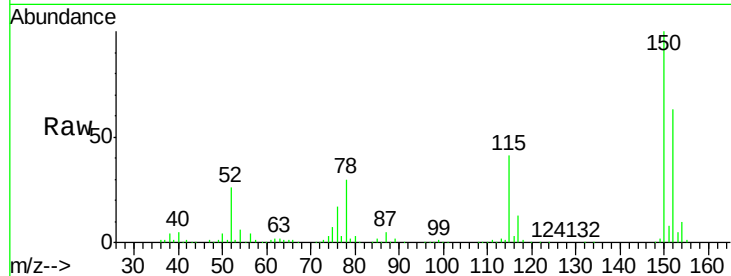


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF106300.D
Acq: 11 Jun 2018 17:48

Instrument :
BNA_F
ClientSampleId :
JC-SOIL-COMP

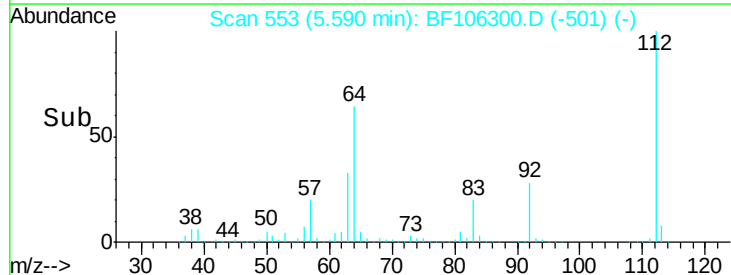
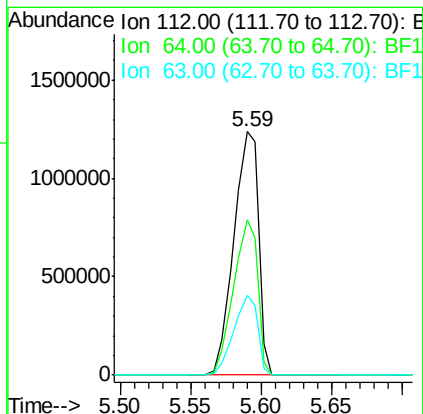
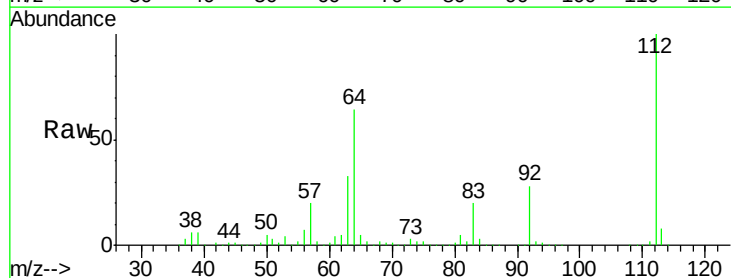
Tgt Ion:152 Resp: 203653
Ion Ratio Lower Upper
152 100
150 158.4 124.6 186.8
115 64.8 50.1 75.1

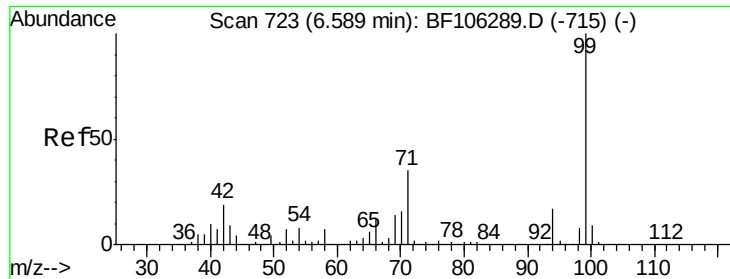


#5

2-Fluorophenol
Concen: 125.019 ng
RT: 5.59 min Scan# 553
Delta R.T. 0.01 min
Lab File: BF106300.D
Acq: 11 Jun 2018 17:48

Tgt Ion:112 Resp: 1504317
Ion Ratio Lower Upper
112 100
64 63.7 47.9 71.9
63 32.7 23.7 35.5





#7

Phenol-d6

Concen: 125.262 ng

RT: 6.59 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF106300.D

Acq: 11 Jun 2018 17:48

Instrument :

BNA_F

ClientSampleId :

JC-SOIL-COMP

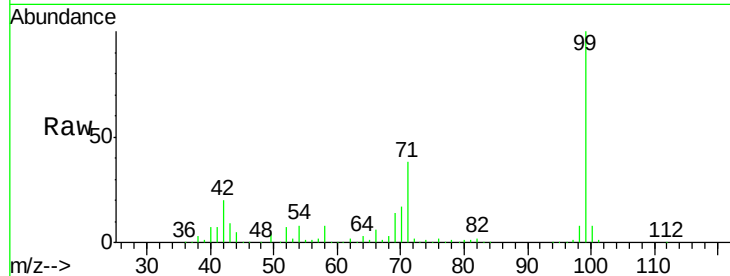
Tgt Ion: 99 Resp: 1904257

Ion Ratio Lower Upper

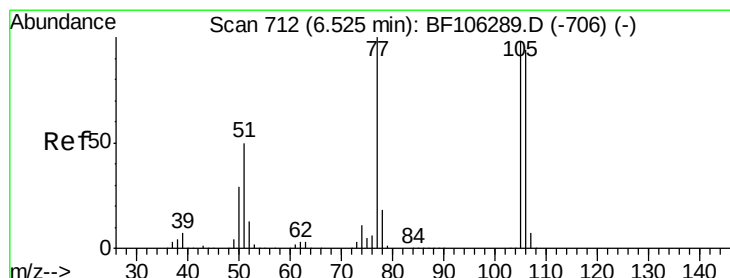
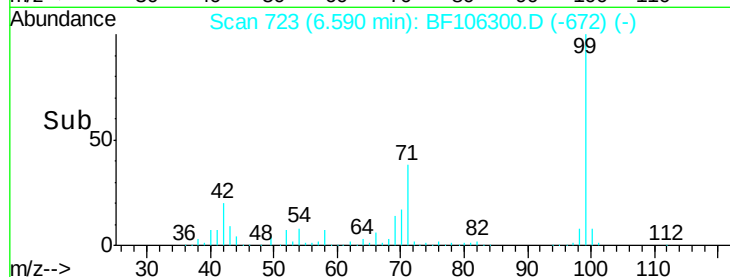
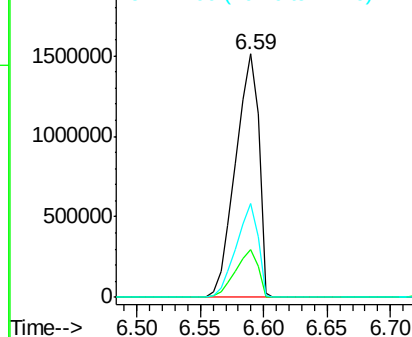
99 100

42 19.6 14.5 21.7

71 38.3 25.4 38.0#



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 3.195 ng

RT: 6.74 min Scan# 748

Delta R.T. 0.21 min

Lab File: BF106300.D

Acq: 11 Jun 2018 17:48

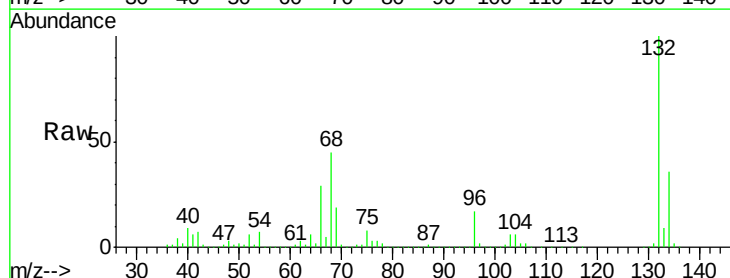
Tgt Ion: 77 Resp: 36837

Ion Ratio Lower Upper

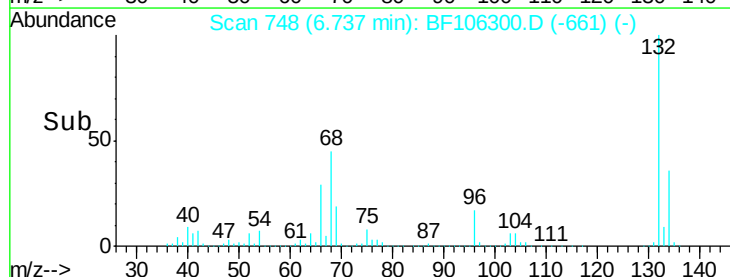
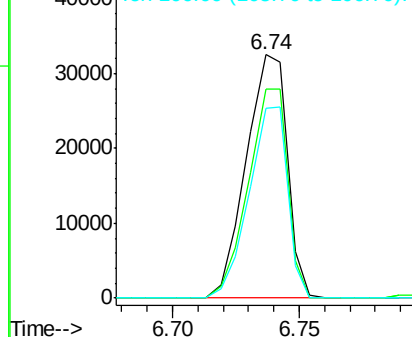
77 100

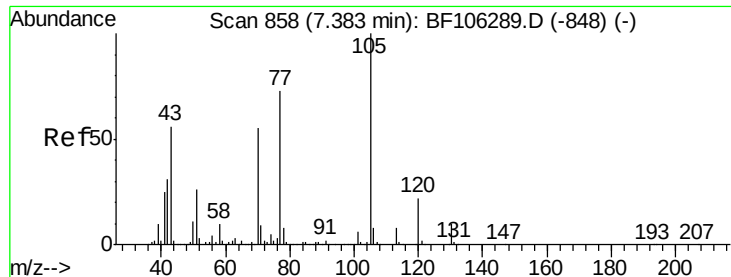
105 85.7 81.1 121.1

106 78.2 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1

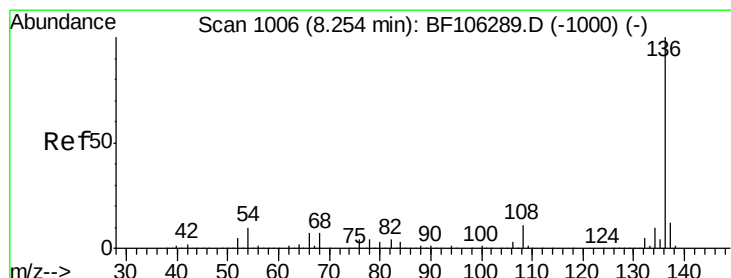
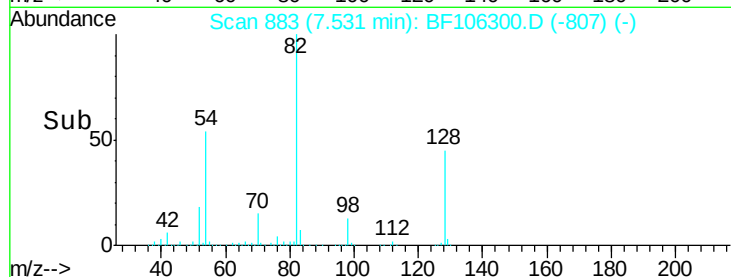
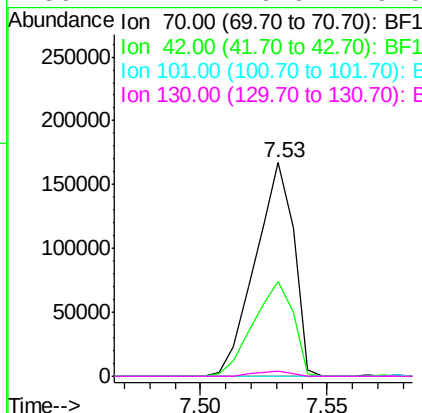
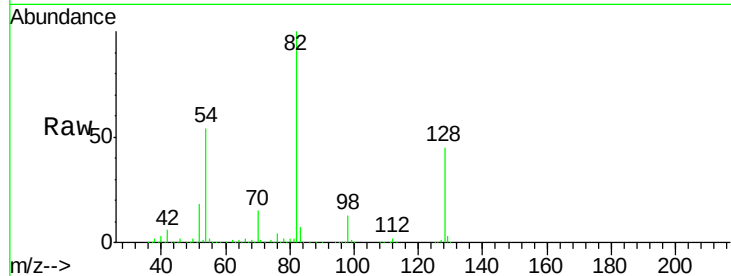




#19
n-Nitroso-di-n-propylamine
Concen: 15.647 ng
RT: 7.53 min Scan# 883
Delta R.T. 0.15 min
Lab File: BF106300.D
Acq: 11 Jun 2018 17:48

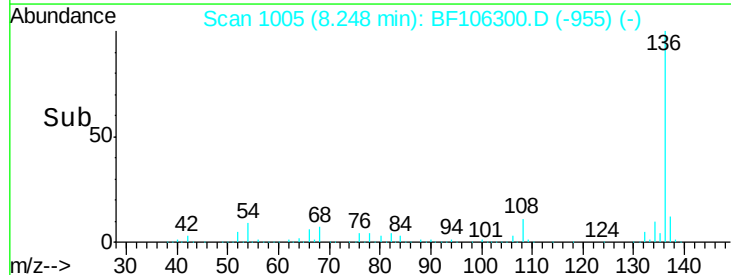
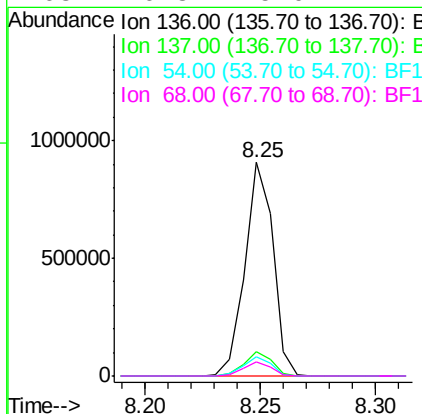
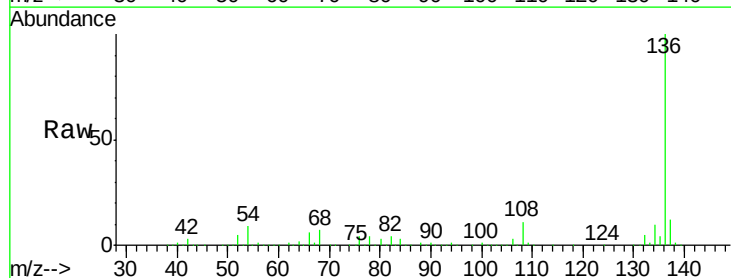
Instrument :
BNA_F
ClientSampleId :
JC-SOIL-COMP

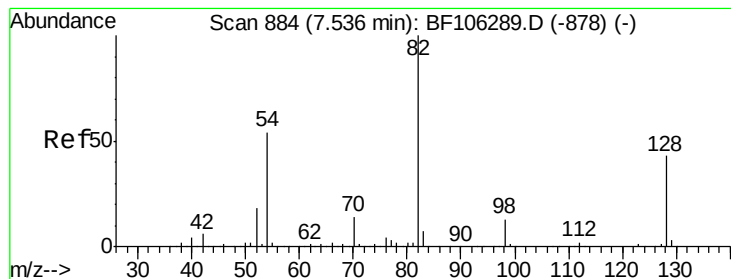
Tgt Ion: 70 Resp: 178453
Ion Ratio Lower Upper
70 100
42 44.3 47.5 71.3#
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF106300.D
Acq: 11 Jun 2018 17:48

Tgt Ion: 136 Resp: 773511
Ion Ratio Lower Upper
136 100
137 11.6 8.9 13.3
54 9.3 6.6 9.8
68 6.8 5.0 7.4





#23

Nitrobenzene-d5

Concen: 96.502 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF106300.D

Acq: 11 Jun 2018 17:48

Instrument :

BNA_F

ClientSampleId :

JC-SOIL-COMP

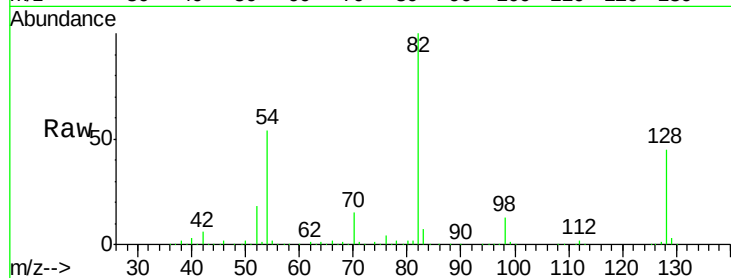
Tgt Ion: 82 Resp: 1268864

Ion Ratio Lower Upper

82 100

128 44.8 36.1 54.1

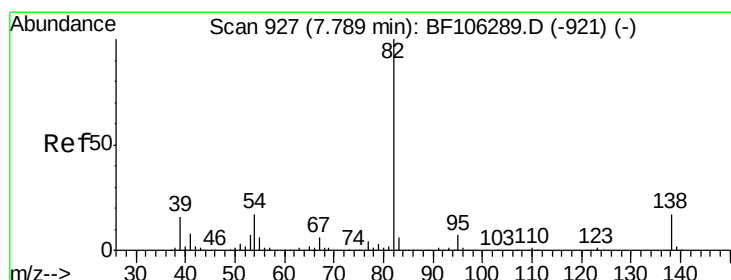
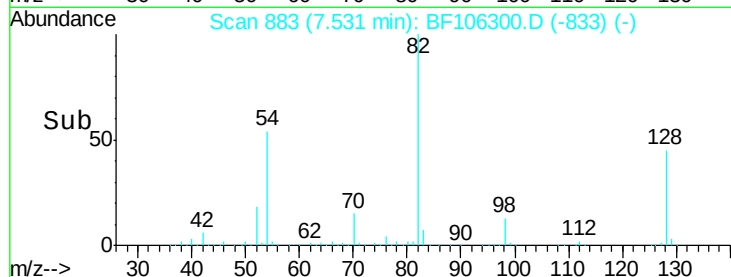
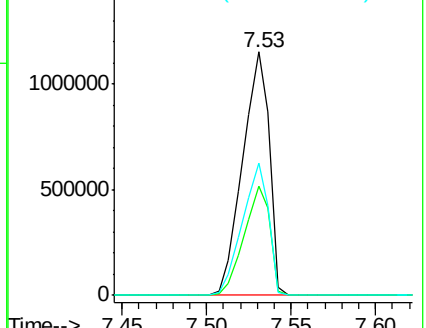
54 54.1 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 49.406 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF106300.D

Acq: 11 Jun 2018 17:48

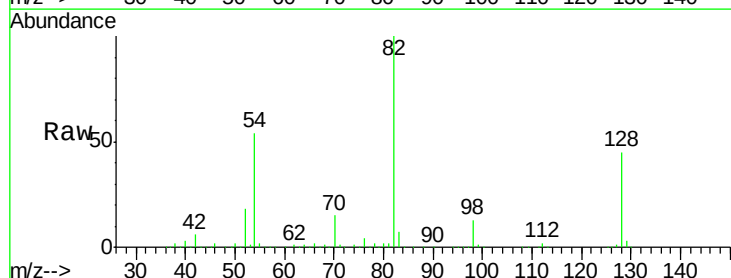
Tgt Ion: 82 Resp: 1268847

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

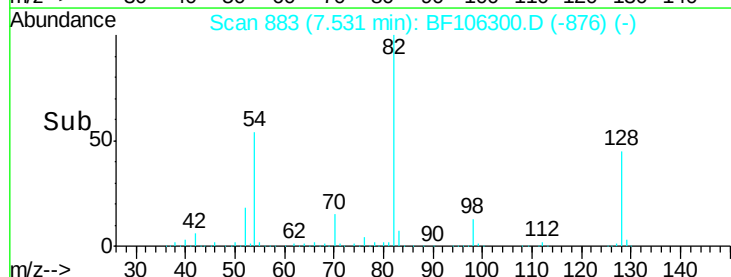
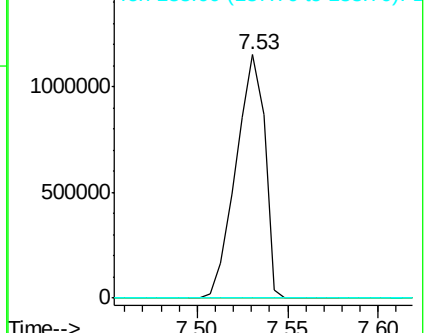
138 0.0 14.9 22.3#

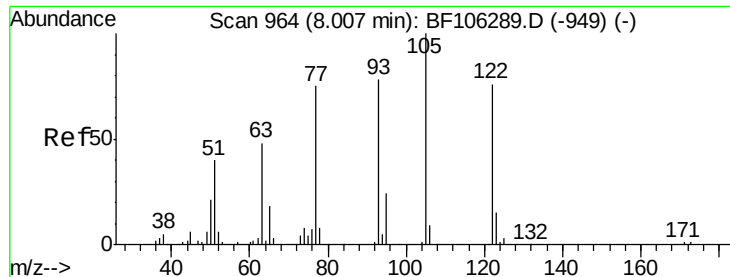


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

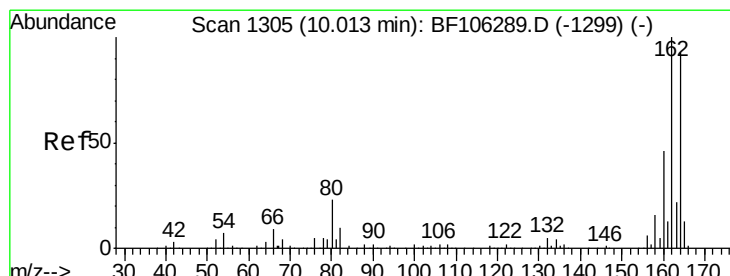
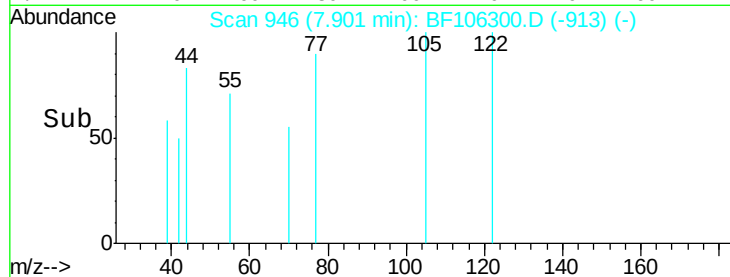
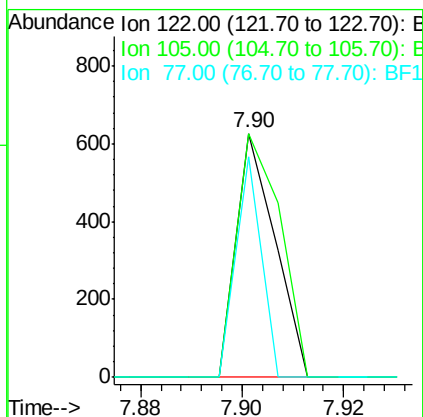
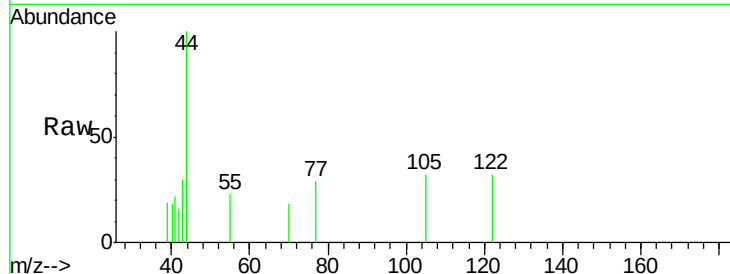




#32
Benzoic acid
Concen: 7.324 ng
RT: 7.90 min Scan# 946
Delta R.T. -0.10 min
Lab File: BF106300.D
Acq: 11 Jun 2018 17:48

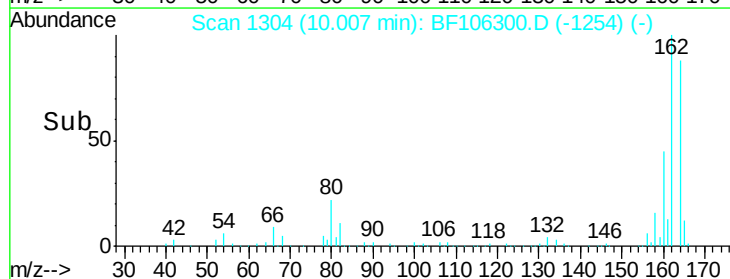
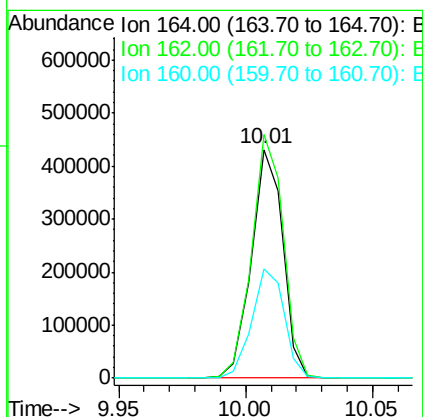
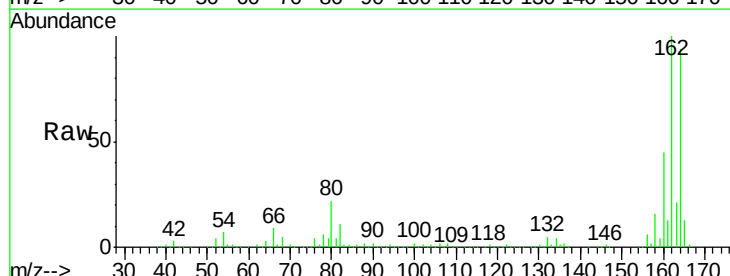
Instrument :
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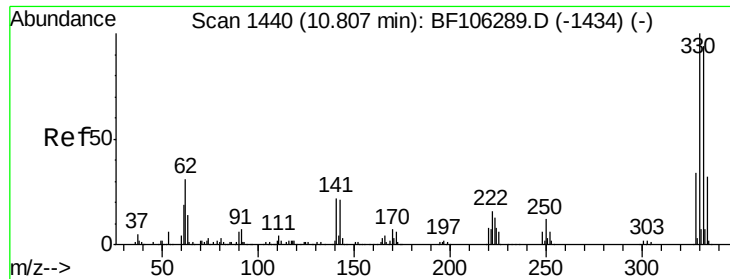
Tgt Ion:122 Resp: 336
Ion Ratio Lower Upper
122 100
105 99.8 101.1 141.1#
77 90.4 70.7 110.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF106300.D
Acq: 11 Jun 2018 17:48

Tgt Ion:164 Resp: 372941
Ion Ratio Lower Upper
164 100
162 106.4 86.1 129.1
160 47.5 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 159.602 ng

RT: 10.80 min Scan# 1439

Delta R.T. -0.01 min

Lab File: BF106300.D

Acq: 11 Jun 2018 17:48

Instrument :

BNA_F

ClientSampleId :

JC-SOIL-COMP

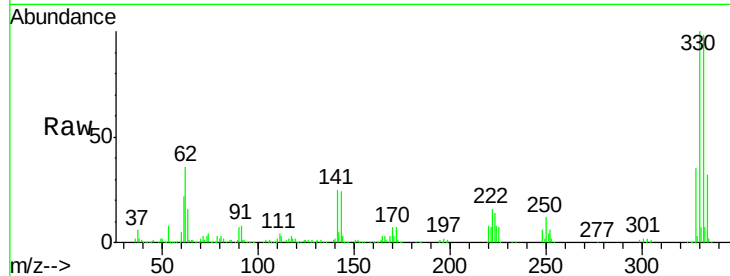
Tgt Ion:330 Resp: 572707

Ion Ratio Lower Upper

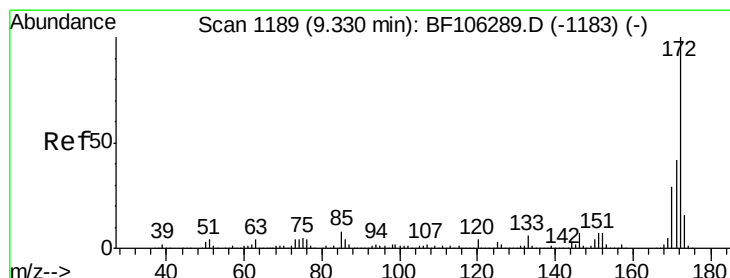
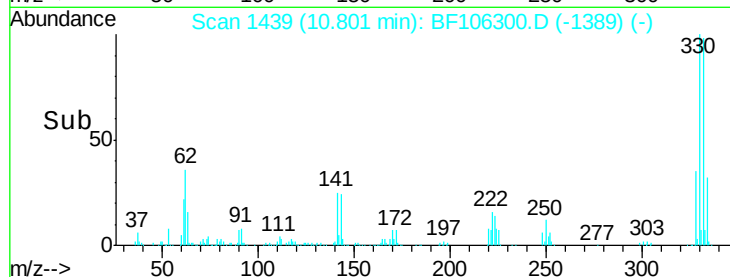
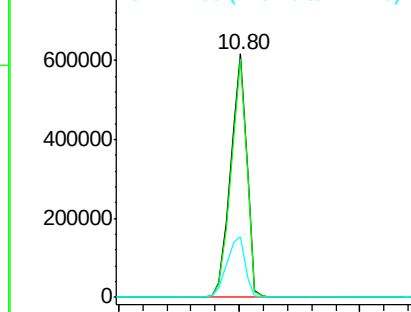
330 100

332 95.9 77.0 115.6

141 28.3 29.9 44.9#



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: 82.515 ng

RT: 9.32 min Scan# 1188

Delta R.T. -0.01 min

Lab File: BF106300.D

Acq: 11 Jun 2018 17:48

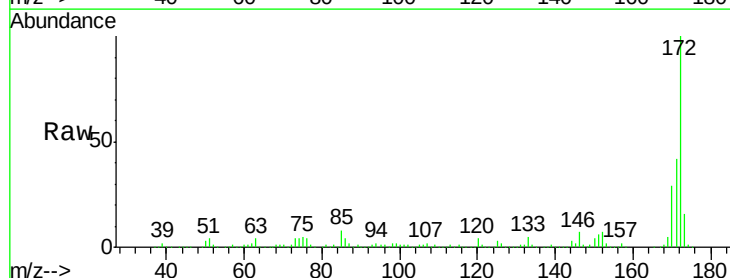
Tgt Ion:172 Resp: 1749020

Ion Ratio Lower Upper

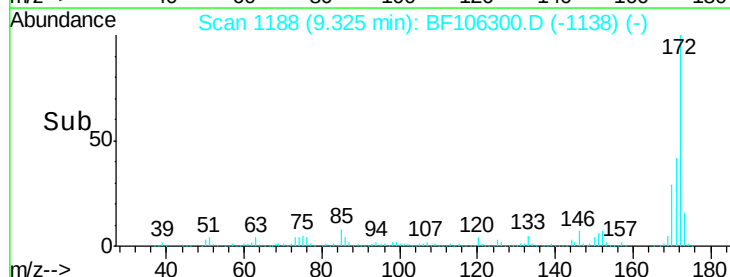
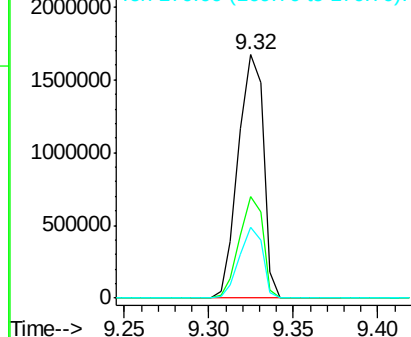
172 100

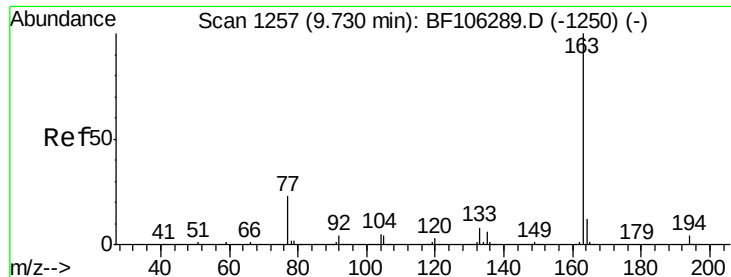
171 41.9 29.7 44.5

170 28.8 19.6 29.4



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

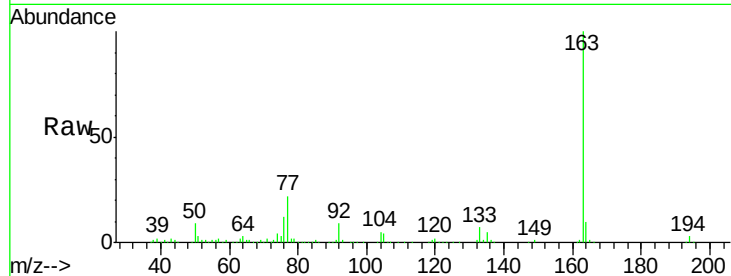




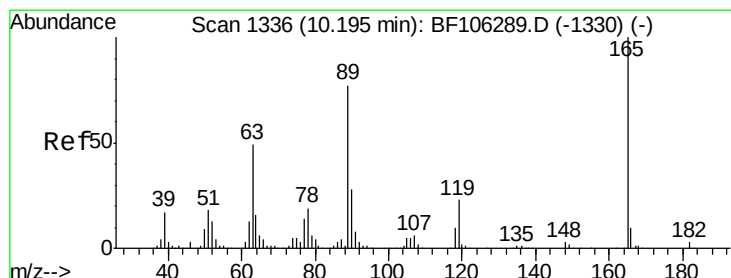
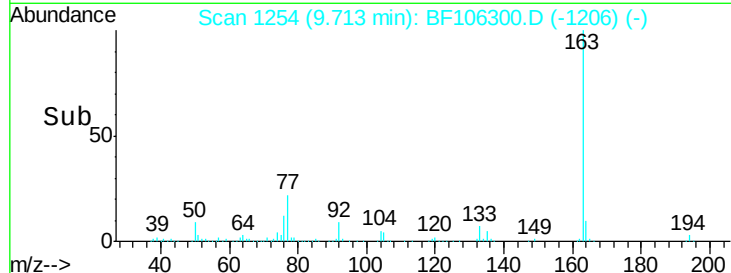
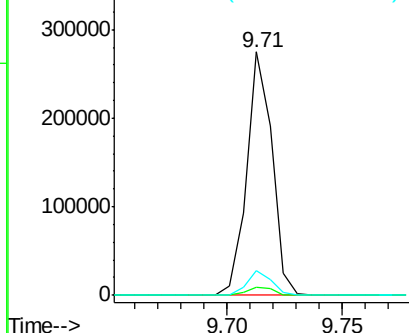
#49
Dimethylphthalate
Concen: 7.900 ng
RT: 9.71 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF106300.D
Acq: 11 Jun 2018 17:48

Instrument :
BNA_F
ClientSampleId :
JC-SOIL-COMP

Tgt Ion:163 Resp: 210503
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 10.4 8.2 12.2

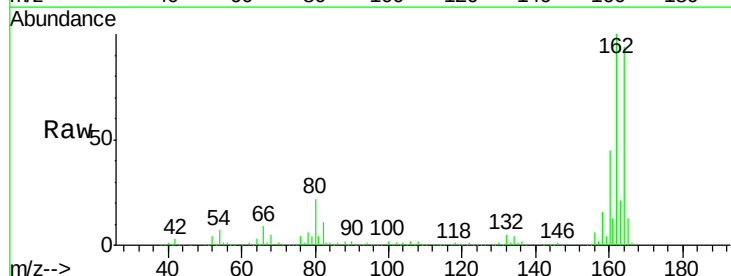


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

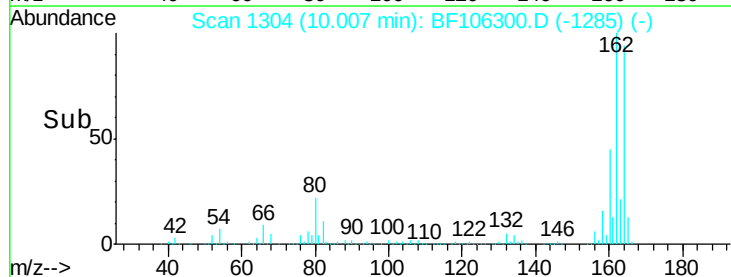
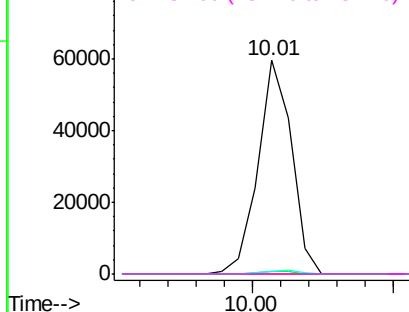


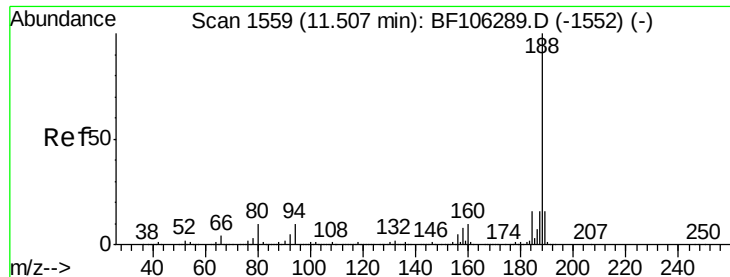
#56
2,4-Dinitrotoluene
Concen: 7.184 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.19 min
Lab File: BF106300.D
Acq: 11 Jun 2018 17:48

Tgt Ion:165 Resp: 49101
Ion Ratio Lower Upper
165 100
63 1.0 36.4 54.6#
89 1.5 57.8 86.6#
182 0.0 1.6 2.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF106300.D

Acq: 11 Jun 2018 17:48

Instrument :

BNA_F

ClientSampleId :

JC-SOIL-COMP

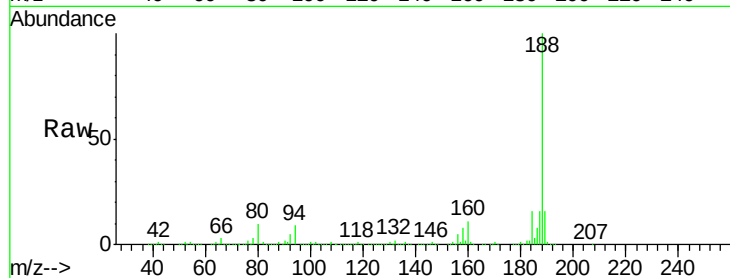
Tgt Ion:188 Resp: 724763

Ion Ratio Lower Upper

188 100

94 9.3 8.5 12.7

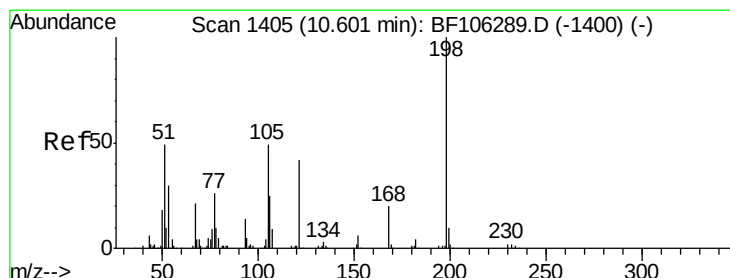
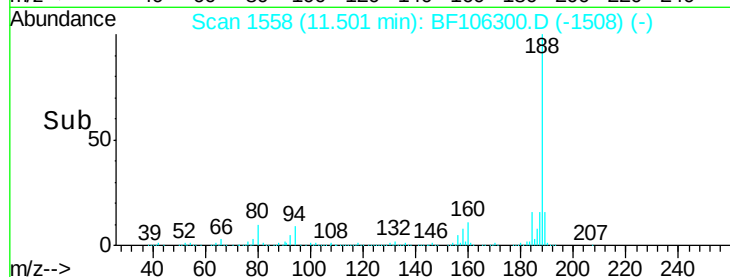
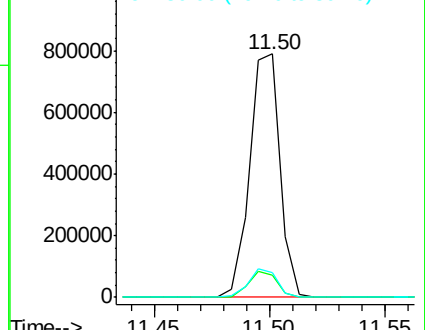
80 10.1 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 6.584 ng

RT: 10.80 min Scan# 1439

Delta R.T. 0.20 min

Lab File: BF106300.D

Acq: 11 Jun 2018 17:48

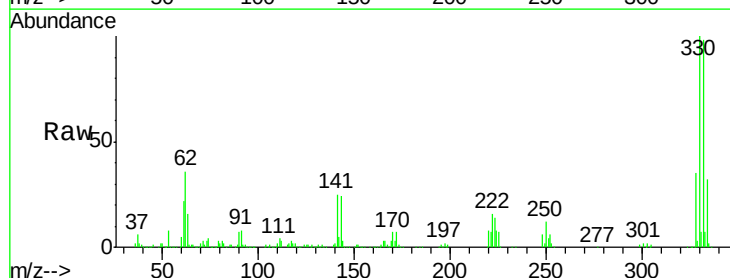
Tgt Ion:198 Resp: 1301

Ion Ratio Lower Upper

198 100

51 136.8 37.7 77.7#

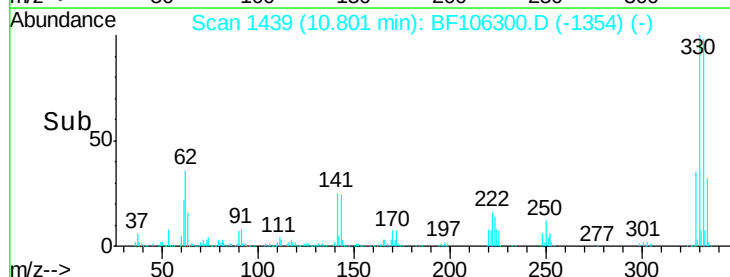
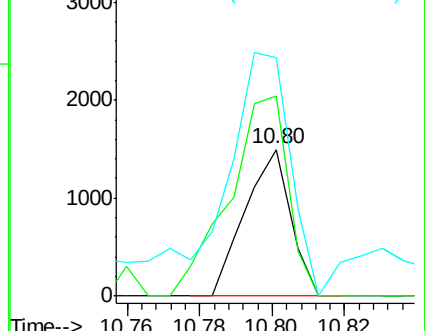
105 162.6 36.3 76.3#

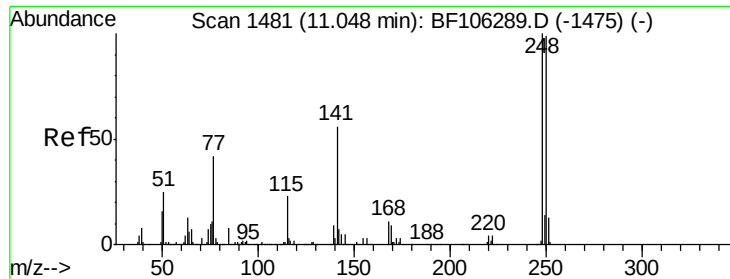


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

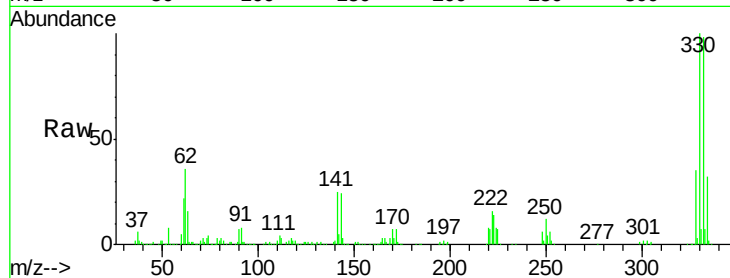




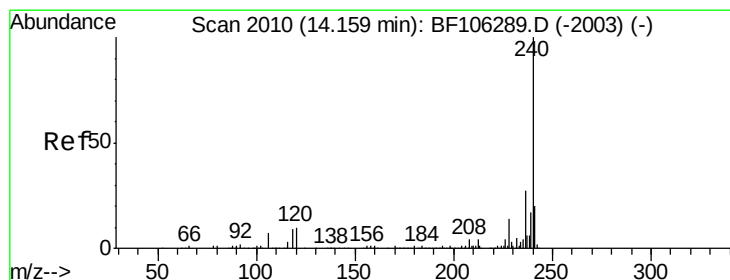
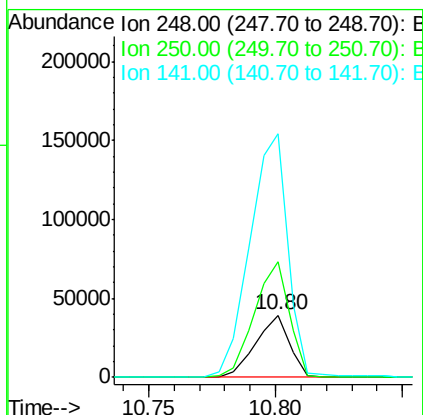
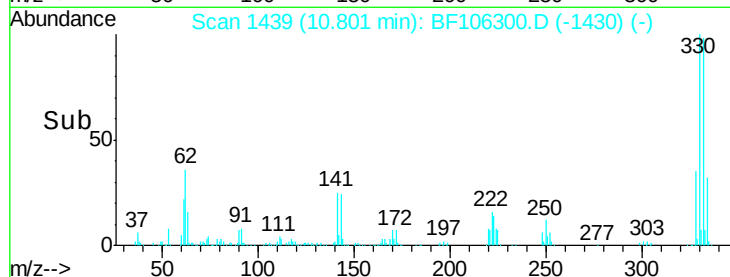
#66
 4-Bromophenyl-phenylether
 Concen: 4.474 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.25 min
 Lab File: BF106300.D
 Acq: 11 Jun 2018 17:48

Instrument :
 BNA_F
 ClientSampleId :
 JC-SOIL-COMP

Tgt Ion:248 Resp: 36879
 Ion Ratio Lower Upper
 248 100
 250 185.2 76.9 115.3#
 141 392.0 74.4 111.6#

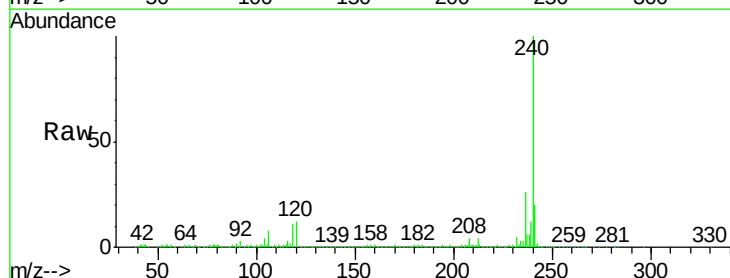


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

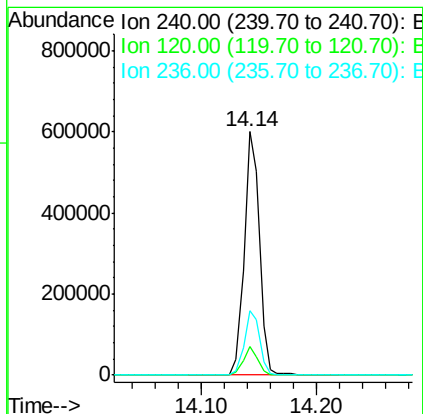
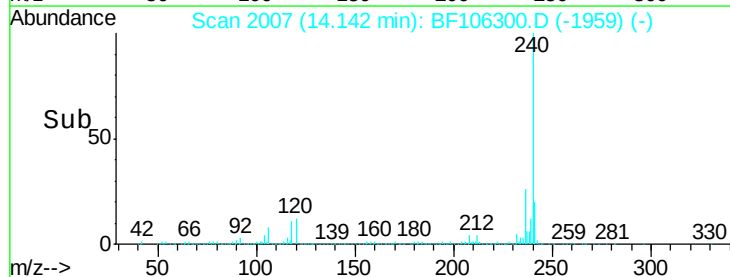


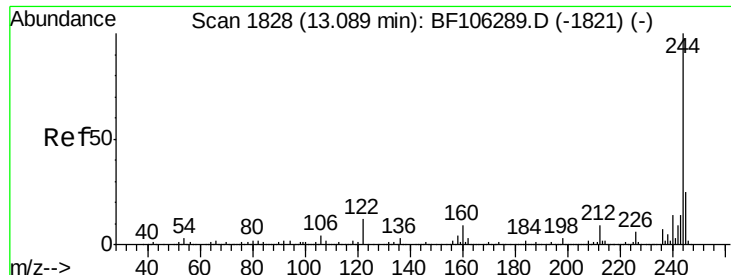
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.14 min Scan# 2007
 Delta R.T. -0.02 min
 Lab File: BF106300.D
 Acq: 11 Jun 2018 17:48

Tgt Ion:240 Resp: 550707
 Ion Ratio Lower Upper
 240 100
 120 11.9 9.5 14.3
 236 26.3 20.7 31.1



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: 85.185 ng

RT: 13.09 min Scan# 1828

Delta R.T. 0.00 min

Lab File: BF106300.D

Acq: 11 Jun 2018 17:48

Instrument :

BNA_F

ClientSampleId :

JC-SOIL-COMP

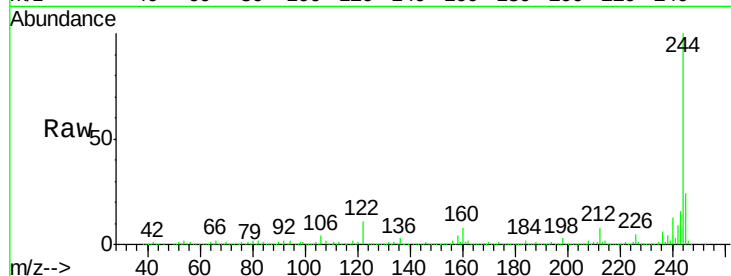
Tgt Ion:244 Resp: 1888739

Ion Ratio Lower Upper

244 100

212 8.2 5.4 8.0#

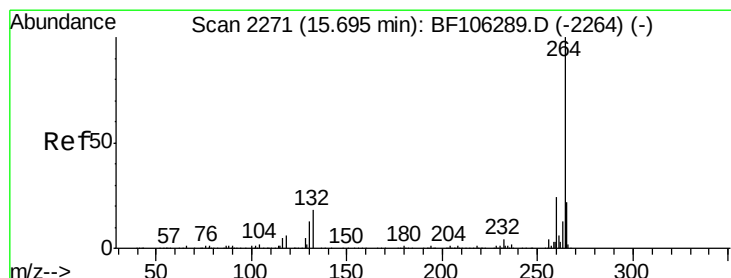
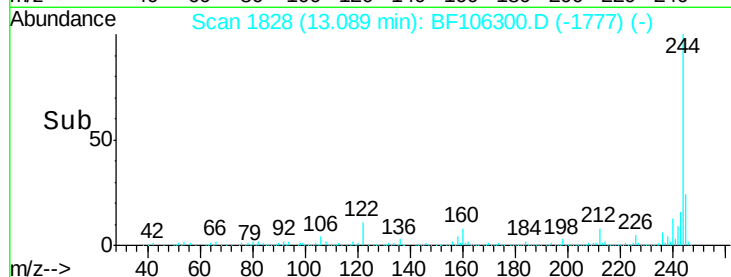
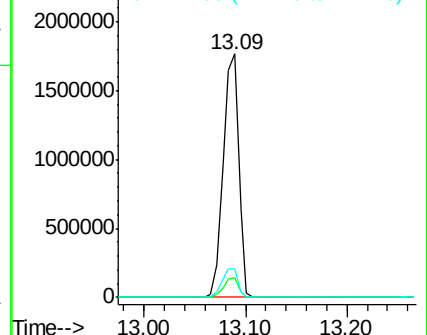
122 11.5 11.0 16.4



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: 20.000 ng

RT: 15.68 min Scan# 2268

Delta R.T. -0.02 min

Lab File: BF106300.D

Acq: 11 Jun 2018 17:48

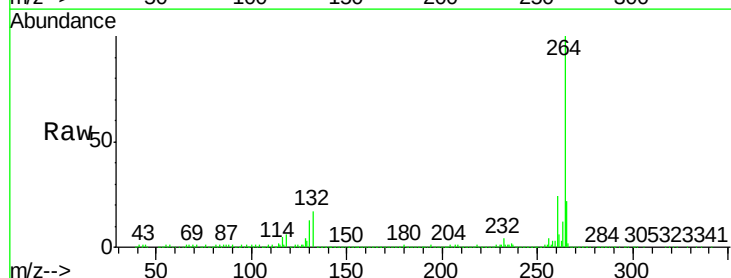
Tgt Ion:264 Resp: 553268

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 22.0 17.5 26.3



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

