

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030719\
 Data File : BF112927.D
 Acq On : 7 Mar 2019 17:55
 Operator : JU/SJ
 Sample : K1780-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-B

Quant Time: Mar 08 00:20:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

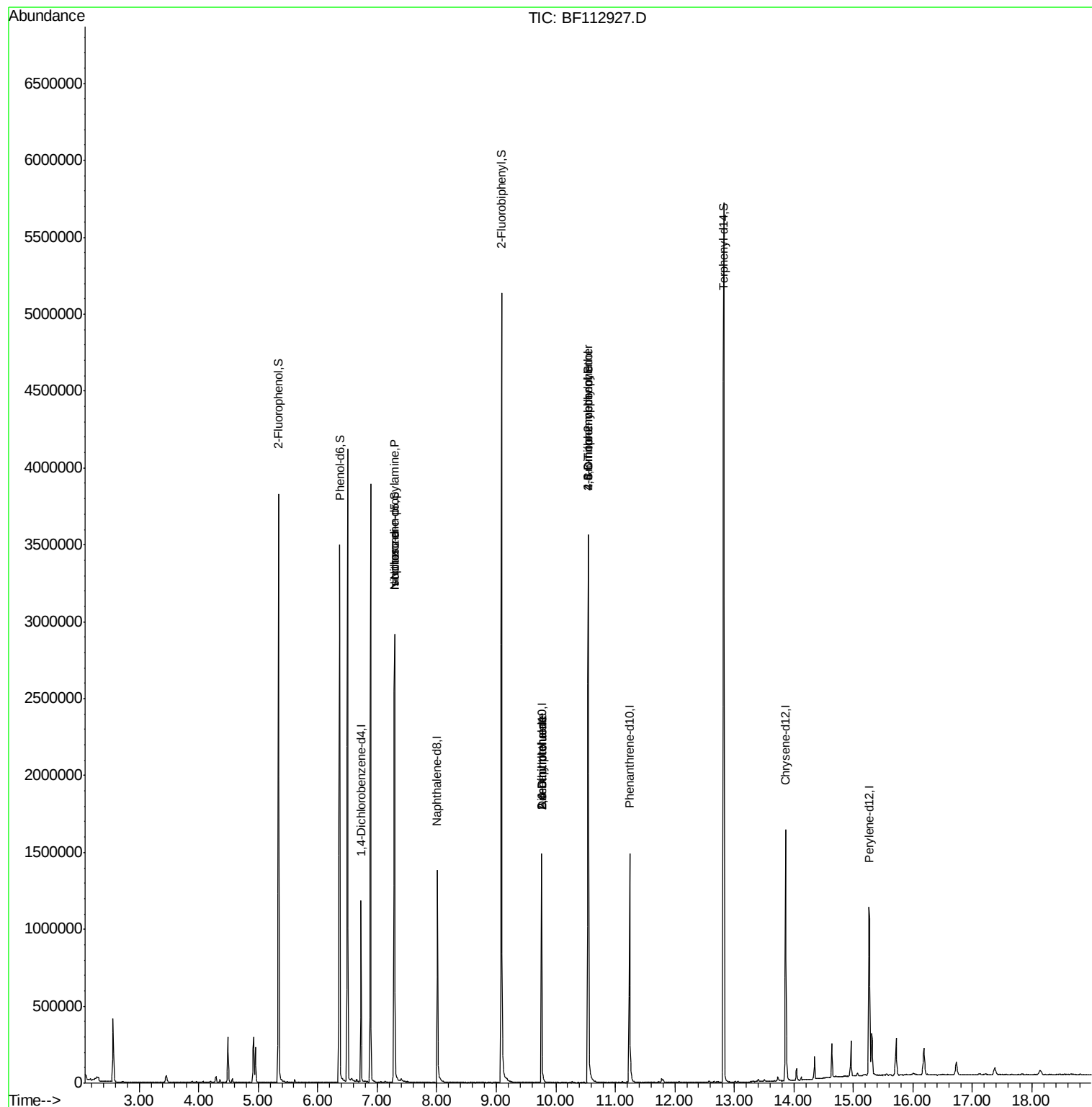
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	178315	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	683393	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	337448	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	715853	20.00	ng	0.00
76) Chrysene-d12	13.86	240	688580	20.00	ng	-0.01
87) Perylene-d12	15.26	264	604960	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	1104708	96.37	ng	0.00
7) Phenol-d6	6.37	99	1245505	86.50	ng	0.00
23) Nitrobenzene-d5	7.29	82	990624	86.74	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	537419	150.02	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	1820415	91.11	ng	-0.01
79) Terphenyl-d14	12.82	244	2239324	63.04	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	129551	14.205	ng	# 73
25) Isophorone	7.29	82	987582	40.139	ng	# 66
50) Dimethylphthalate	9.76	163	87769	3.527	ng	# 1
51) 2,6-Dinitrotoluene	9.76	165	42865	8.273	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	42866	6.656	ng	# 17
65) 4,6-Dinitro-2-methylphenol	10.55	198	964	4.909	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	30297	4.018	ng	# 1

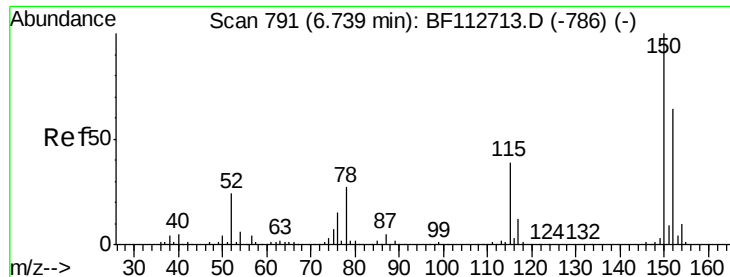
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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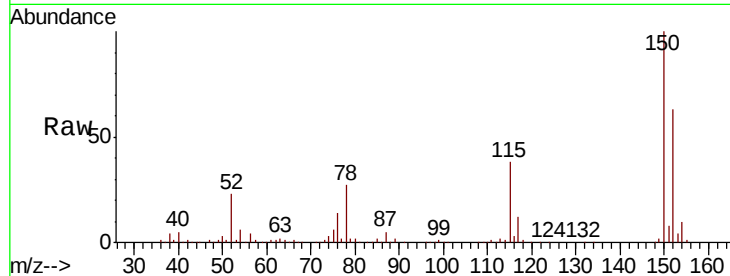


#1

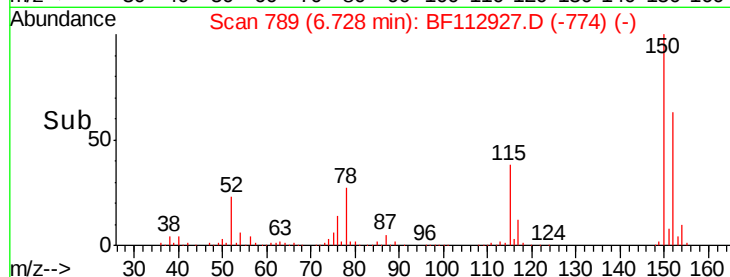
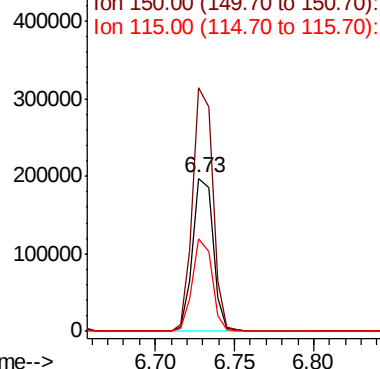
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF112927.D
 Acq: 7 Mar 2019 17:55

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-B

Tgt Ion:152 Resp: 178315
 Ion Ratio Lower Upper
 152 100
 150 158.8 124.2 186.2
 115 60.6 48.2 72.4



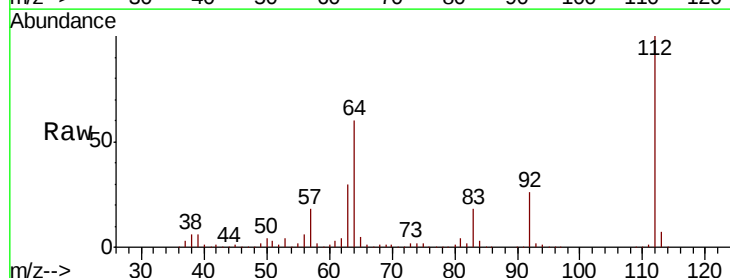
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



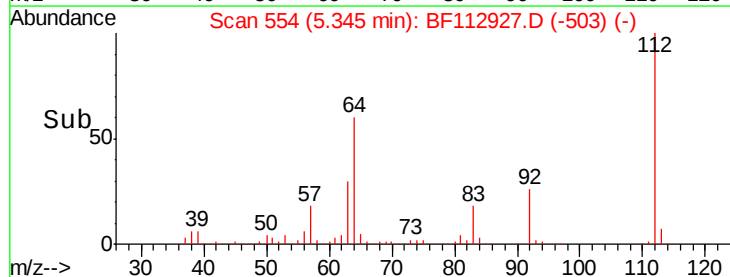
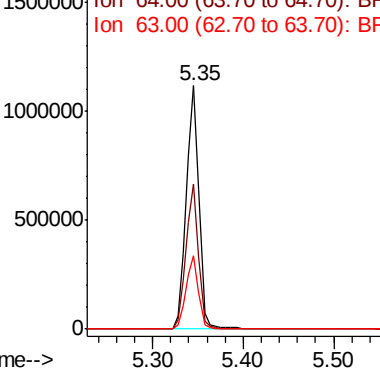
#5

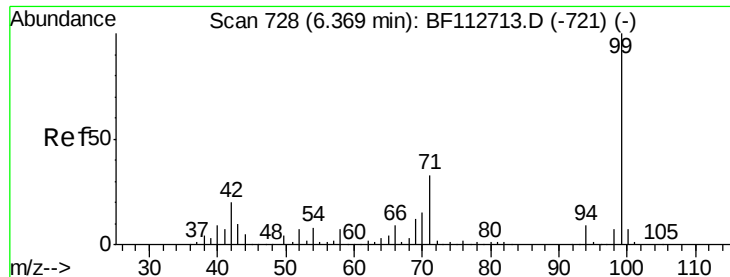
2-Fluorophenol
 Concen: 96.370 ng
 RT: 5.35 min Scan# 554
 Delta R.T. -0.00 min
 Lab File: BF112927.D
 Acq: 7 Mar 2019 17:55

Tgt Ion:112 Resp: 1104708
 Ion Ratio Lower Upper
 112 100
 64 59.7 47.6 71.4
 63 30.3 24.4 36.6



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 86.495 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF112927.D

Acq: 7 Mar 2019 17:55

Instrument :

BNA_F

ClientSampleId :

SOIL-B

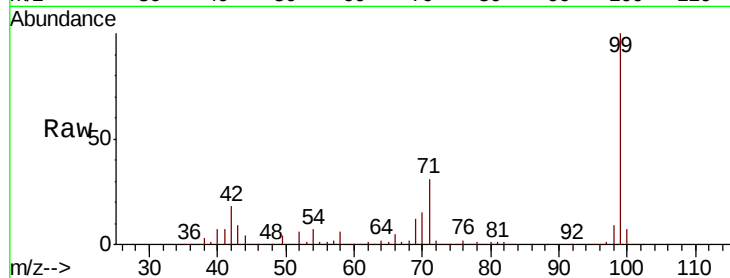
Tgt Ion: 99 Resp: 1245505

Ion Ratio Lower Upper

99 100

42 17.9 16.3 24.5

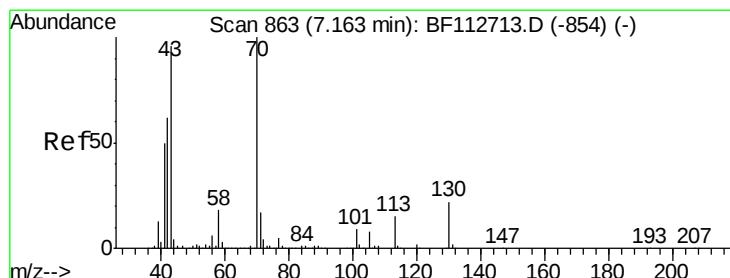
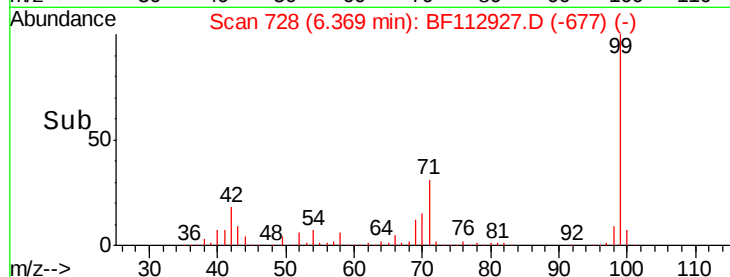
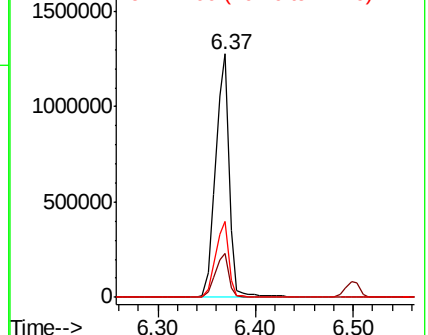
71 31.1 26.2 39.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.205 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.13 min

Lab File: BF112927.D

Acq: 7 Mar 2019 17:55

Tgt Ion: 70 Resp: 129551

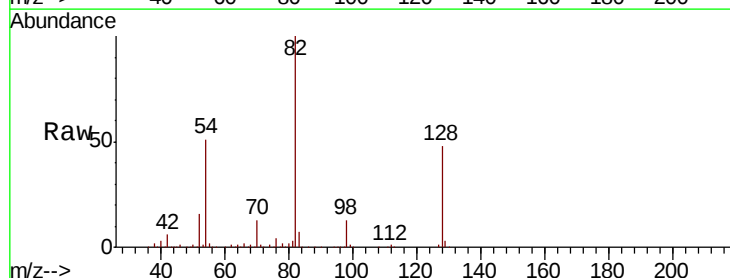
Ion Ratio Lower Upper

70 100

42 45.4 49.9 74.9#

101 0.0 7.4 11.2#

130 2.6 17.4 26.2#

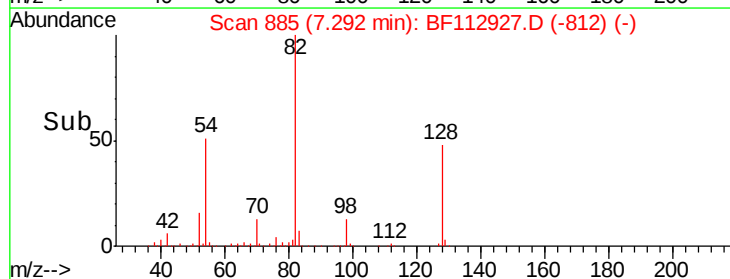
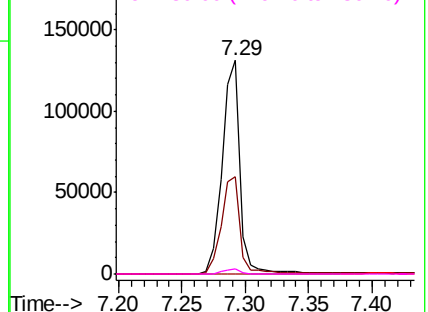


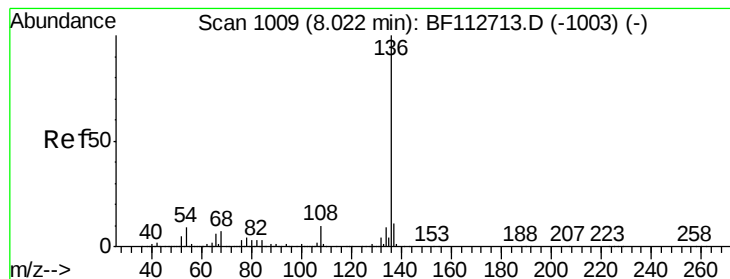
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF112927.D

Acq: 7 Mar 2019 17:55

Instrument :

BNA_F

ClientSampleId :

SOIL-B

Tgt Ion:136 Resp: 683393

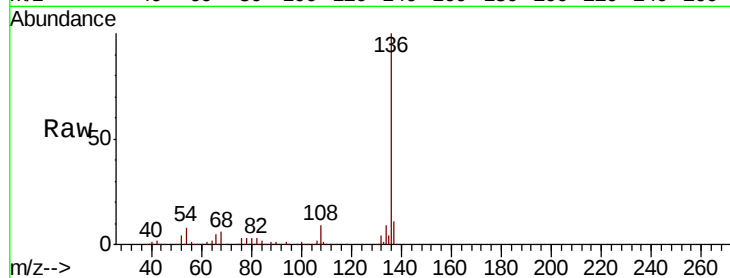
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.0 7.3 10.9

68 6.1 5.4 8.2

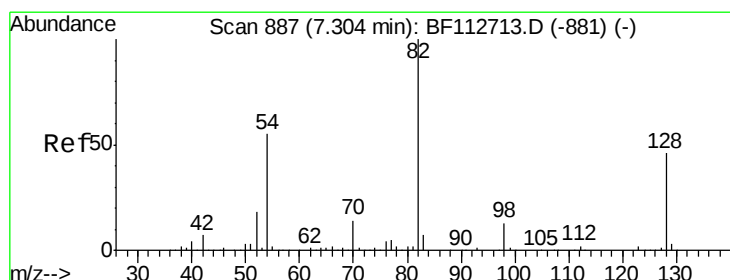
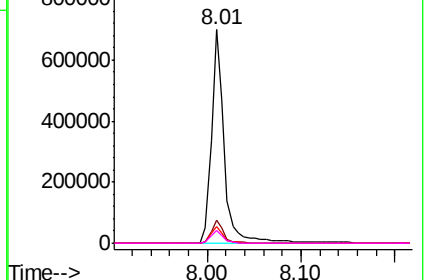
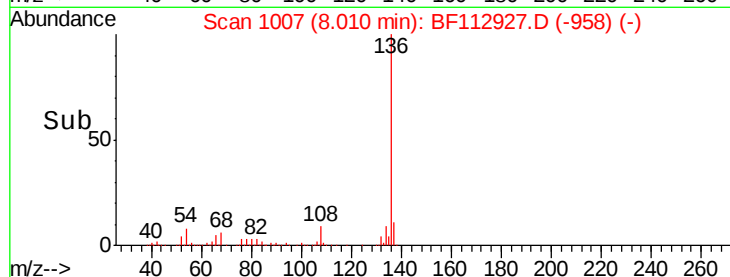


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 86.739 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.01 min

Lab File: BF112927.D

Acq: 7 Mar 2019 17:55

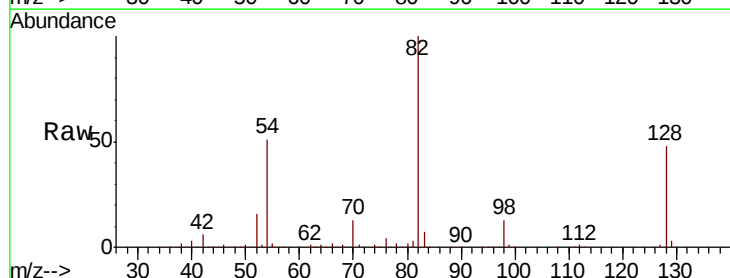
Tgt Ion: 82 Resp: 990624

Ion Ratio Lower Upper

82 100

128 48.5 36.3 54.5

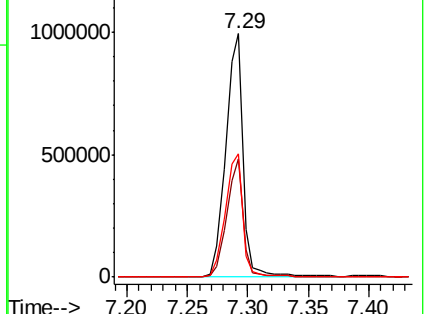
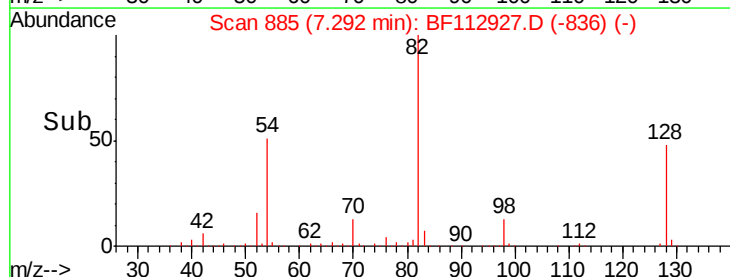
54 50.7 43.7 65.5

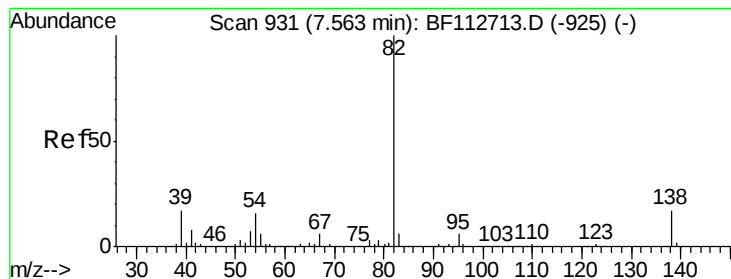


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 40.139 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.27 min

Lab File: BF112927.D

Acq: 7 Mar 2019 17:55

Instrument :

BNA_F

ClientSampleId :

SOIL-B

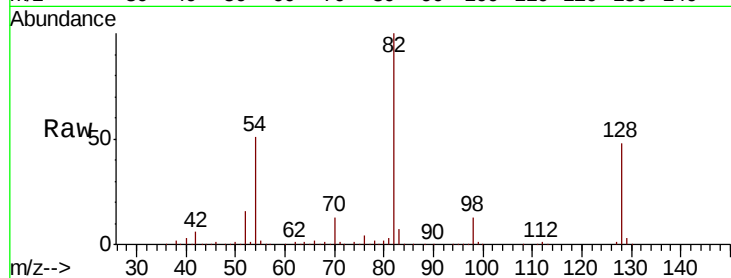
Tgt Ion: 82 Resp: 987582

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

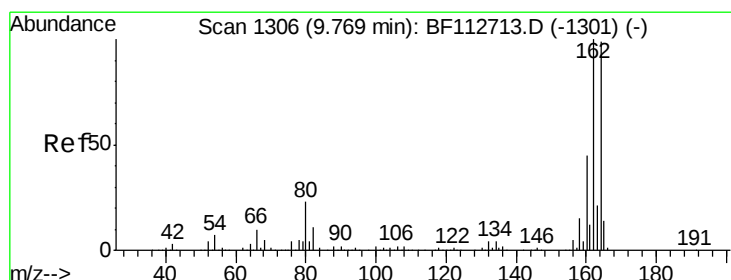
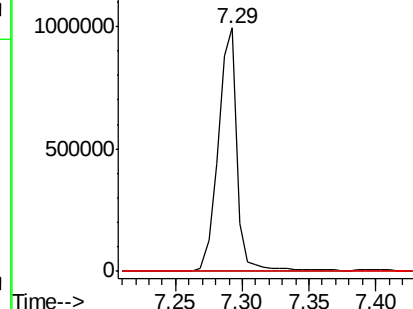
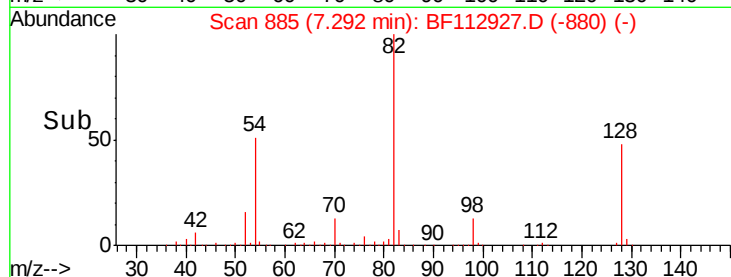
138 0.0 13.8 20.8#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF112927.D

Acq: 7 Mar 2019 17:55

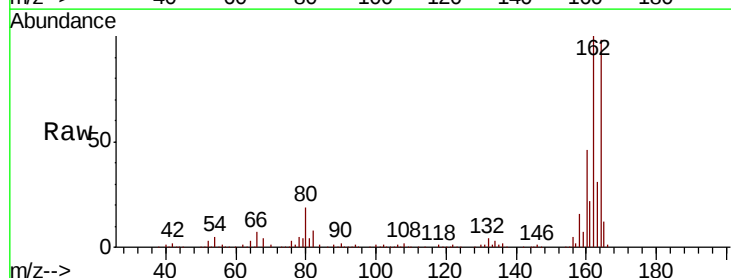
Tgt Ion: 164 Resp: 337448

Ion Ratio Lower Upper

164 100

162 102.1 80.6 120.8

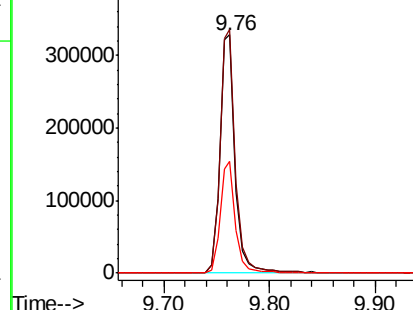
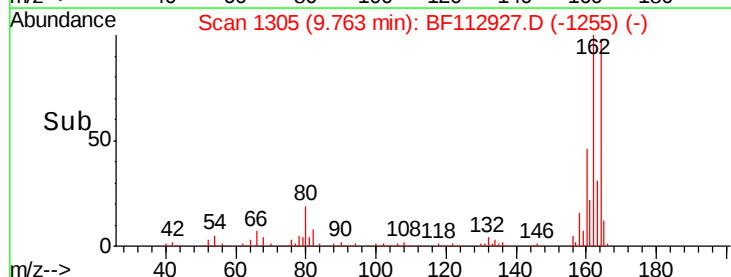
160 46.8 36.0 54.0



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

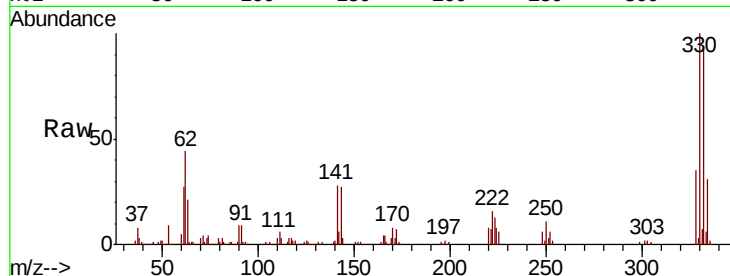




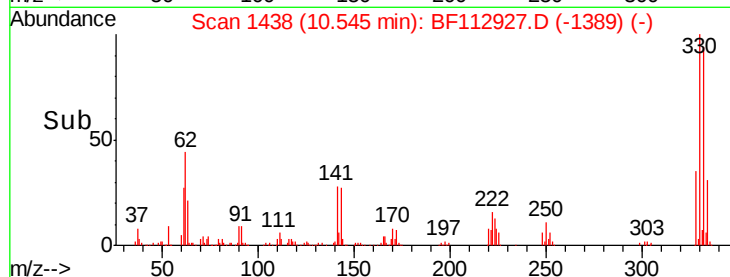
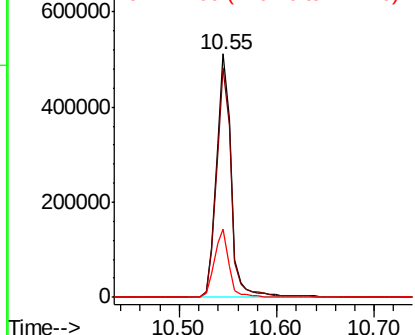
#42
 2,4,6-Tribromophenol
 Concen: 150.015 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF112927.D
 Acq: 7 Mar 2019 17:55

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-B

Tgt Ion:330 Resp: 537419
 Ion Ratio Lower Upper
 330 100
 332 95.6 76.2 114.4
 141 28.0 27.0 40.6

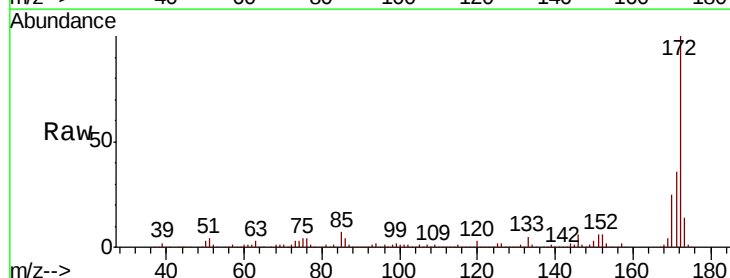


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

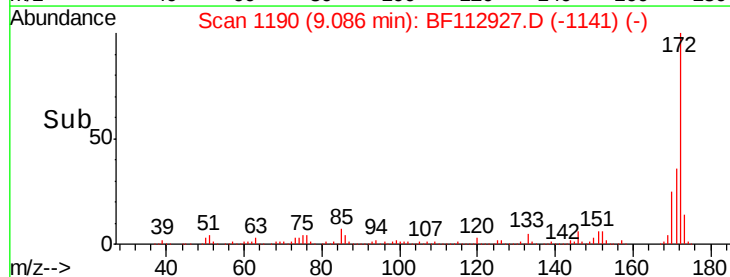
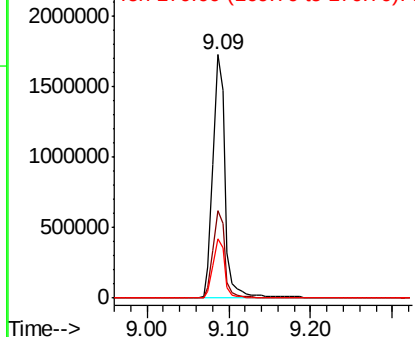


#45
 2-Fluorobiphenyl
 Concen: 91.108 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF112927.D
 Acq: 7 Mar 2019 17:55

Tgt Ion:172 Resp: 1820415
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.0 43.4
 170 24.6 20.0 30.0



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

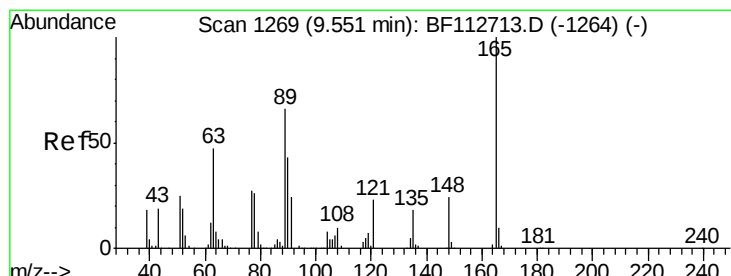
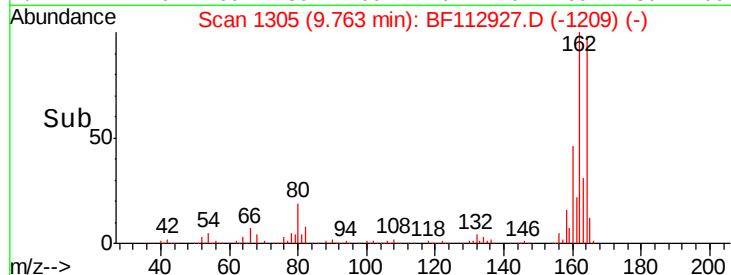
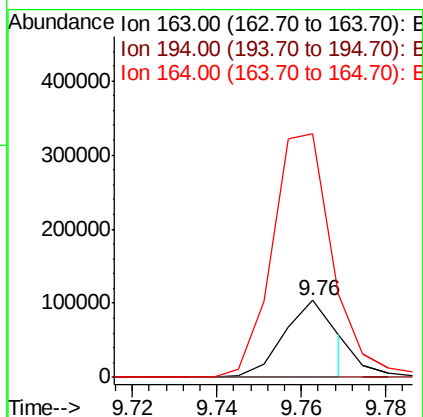
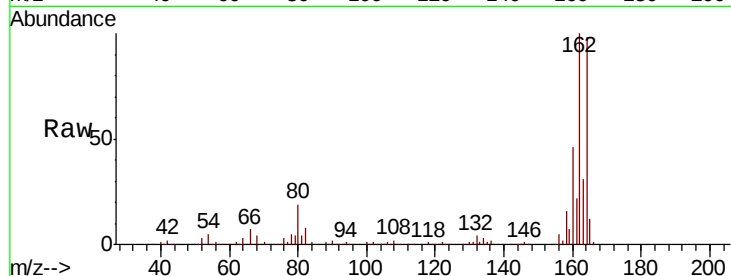




#50
Dimethylphthalate
Concen: 3.527 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.26 min
Lab File: BF112927.D
Acq: 7 Mar 2019 17:55

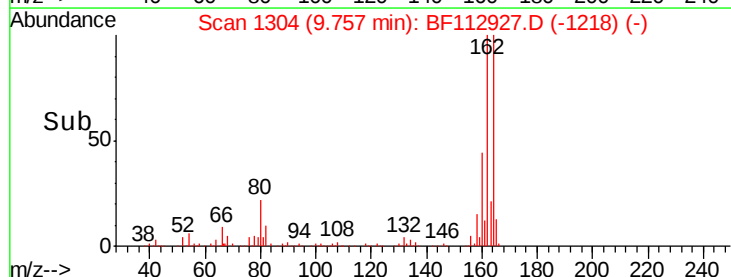
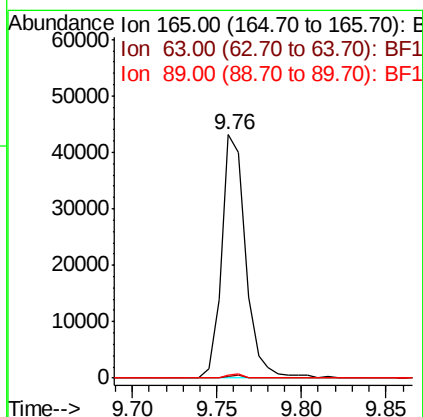
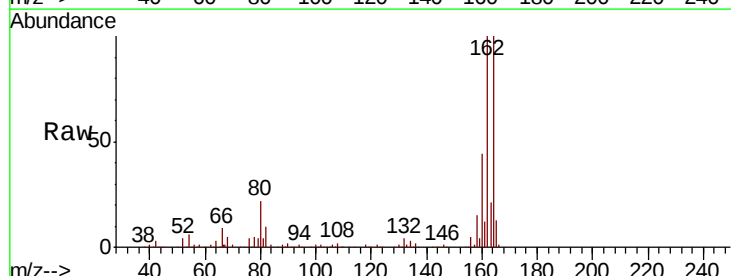
Instrument :
BNA_F
ClientSampled :
SOIL-B

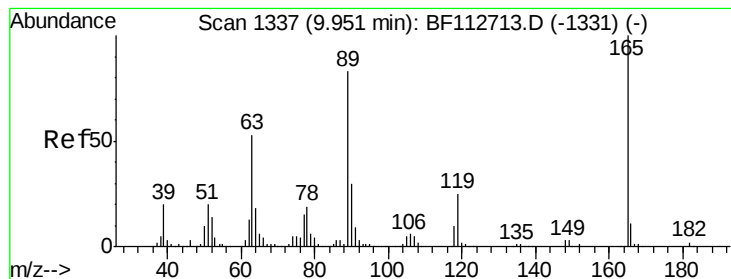
Tgt Ion:163 Resp: 87769
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 317.4 8.4 12.6#



#51
2,6-Dinitrotoluene
Concen: 8.273 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.21 min
Lab File: BF112927.D
Acq: 7 Mar 2019 17:55

Tgt Ion:165 Resp: 42865
Ion Ratio Lower Upper
165 100
63 0.7 54.1 81.1#
89 1.2 52.8 79.2#





#57

2,4-Dinitrotoluene

Concen: 6.656 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.19 min

Lab File: BF112927.D

Acq: 7 Mar 2019 17:55

Instrument :

BNA_F

ClientSampleId :

SOIL-B

Tgt Ion:165 Resp: 42866

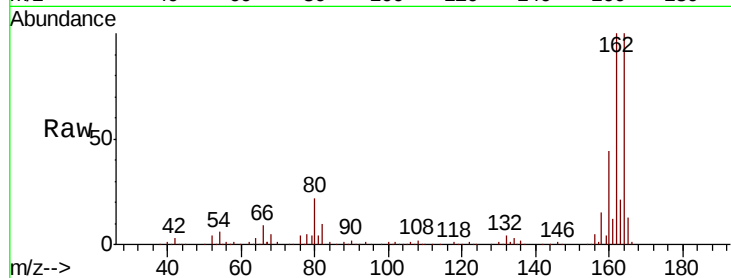
Ion Ratio Lower Upper

165 100

63 0.7 42.2 63.2#

89 1.2 66.2 99.4#

182 0.0 1.8 2.6#

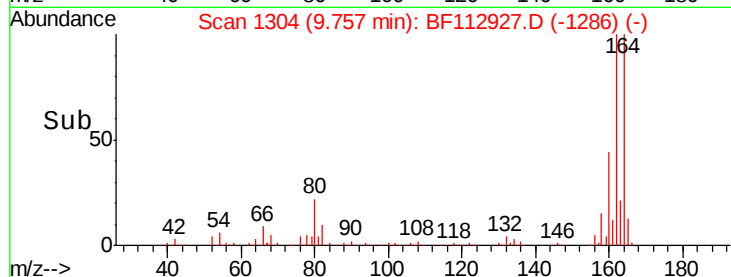


Abundance Ion 165.00 (164.70 to 165.70): E

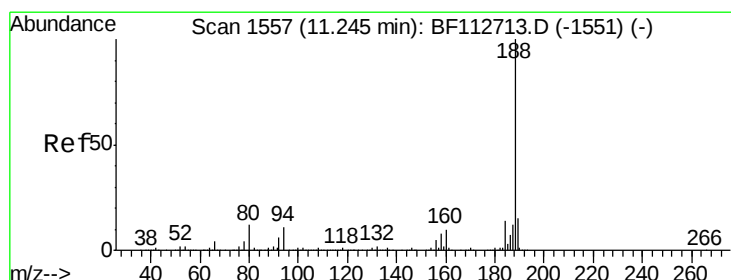
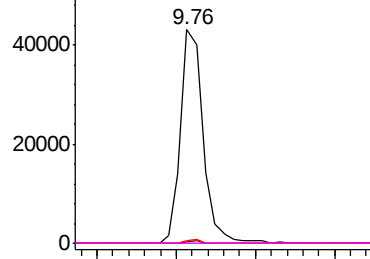
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF112927.D

Acq: 7 Mar 2019 17:55

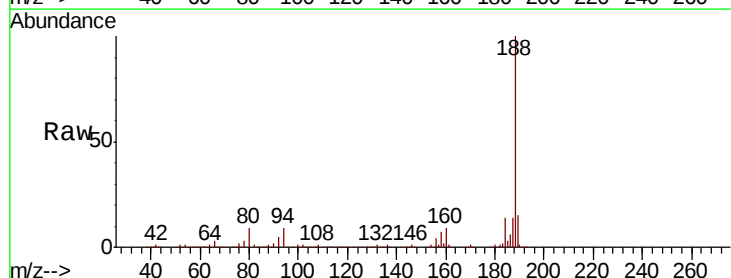
Tgt Ion:188 Resp: 715853

Ion Ratio Lower Upper

188 100

94 9.5 9.0 13.4

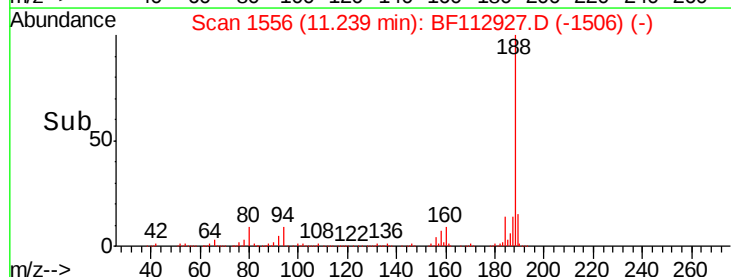
80 9.4 9.2 13.8



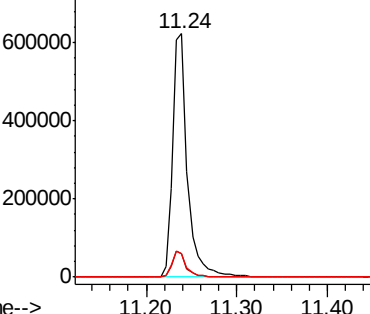
Abundance Ion 188.00 (187.70 to 188.70): E

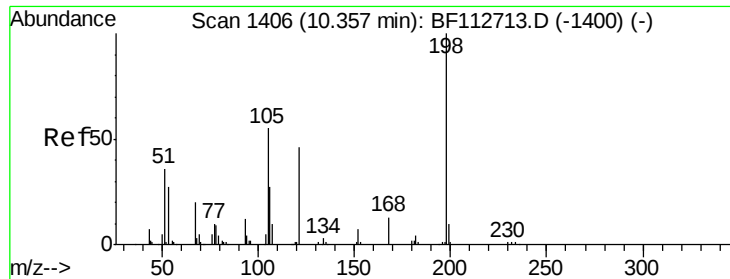
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



Time-->

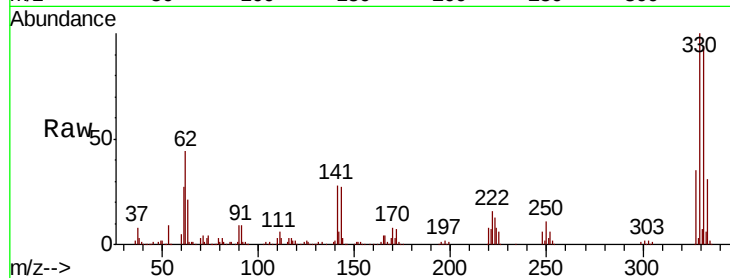




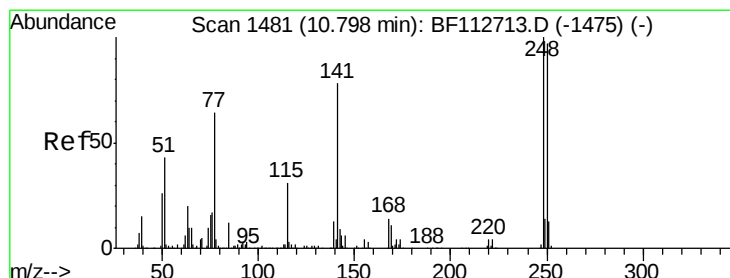
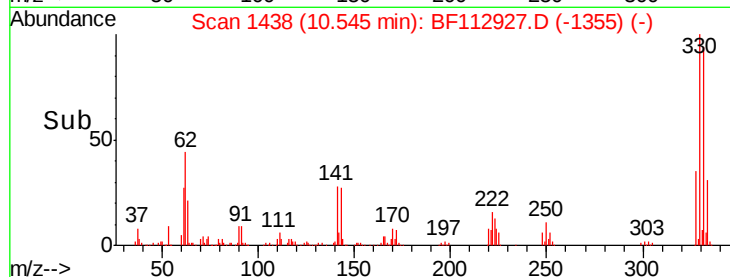
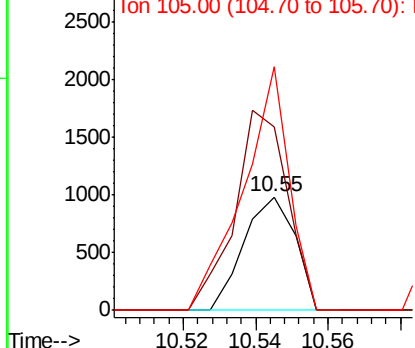
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.909 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.19 min
 Lab File: BF112927.D
 Acq: 7 Mar 2019 17:55

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-B

Tgt Ion:198 Resp: 964
 Ion Ratio Lower Upper
 198 100
 51 161.5 43.8 83.8#
 105 215.1 36.5 76.5#

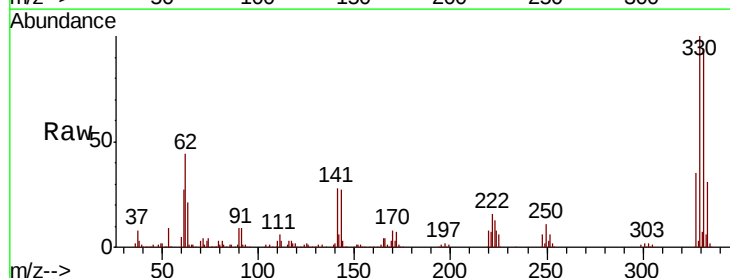


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

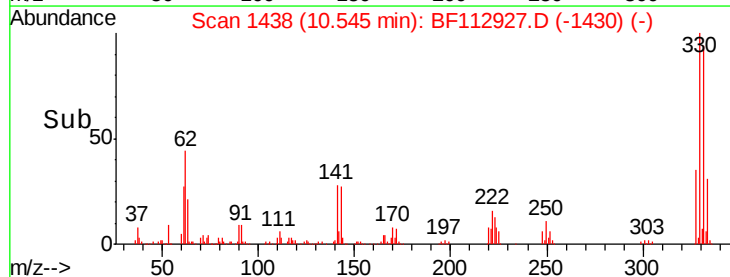
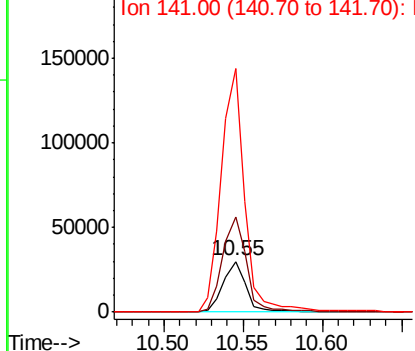


#67
 4-Bromophenyl-phenylether
 Concen: 4.018 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF112927.D
 Acq: 7 Mar 2019 17:55

Tgt Ion:248 Resp: 30297
 Ion Ratio Lower Upper
 248 100
 250 189.1 77.5 116.3#
 141 482.5 62.4 93.6#



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

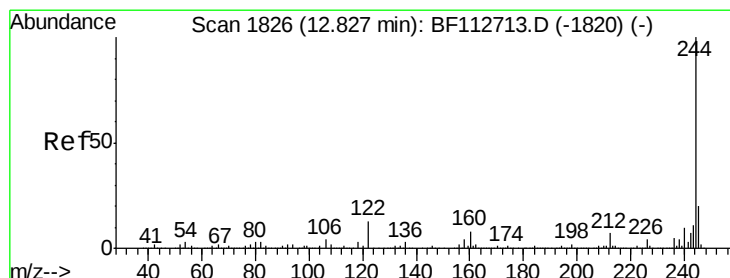
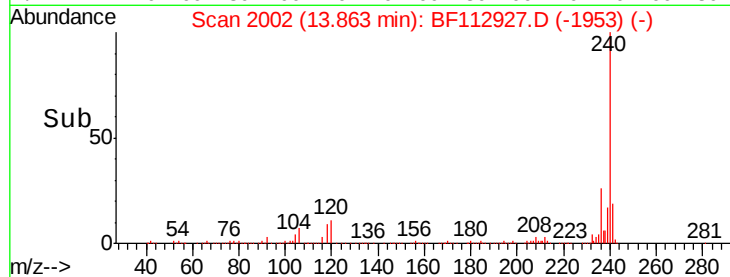
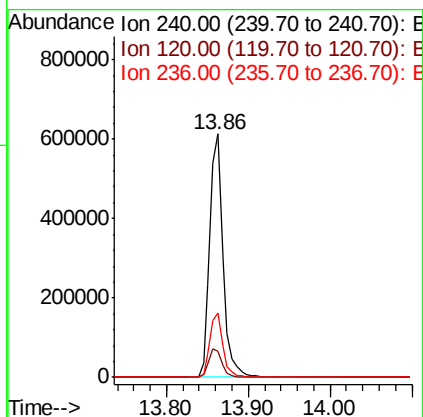
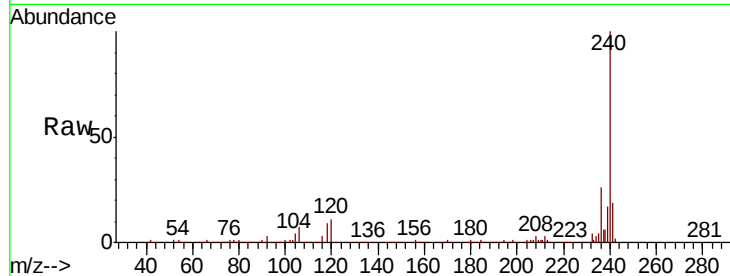




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF112927.D
Acq: 7 Mar 2019 17:55

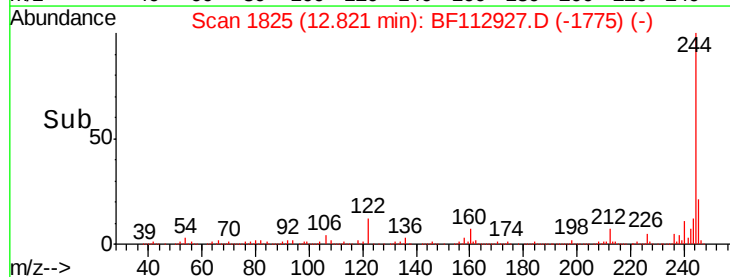
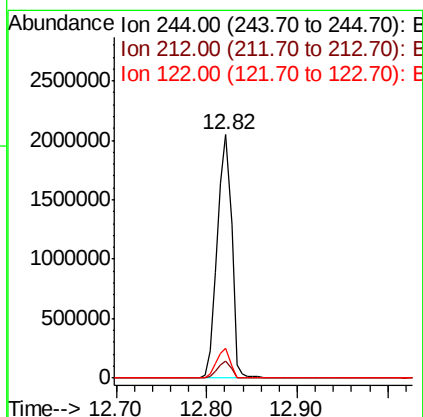
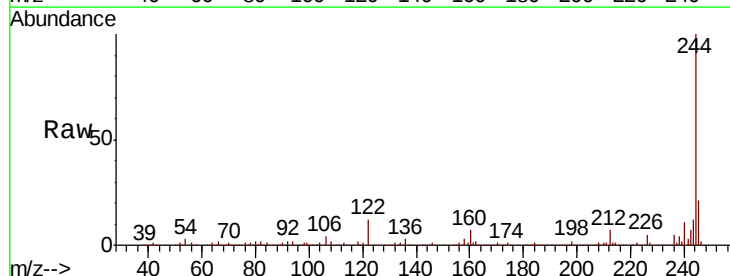
Instrument :
BNA_F
ClientSampleId :
SOIL-B

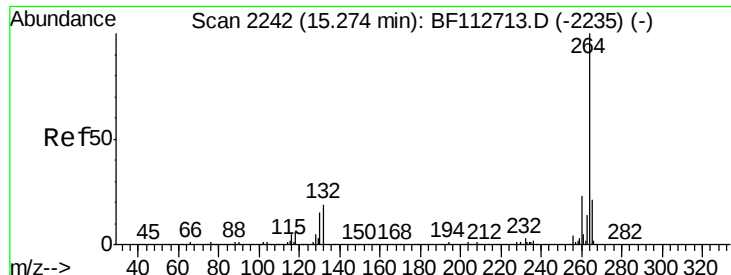
Tgt Ion:240 Resp: 688580
Ion Ratio Lower Upper
240 100
120 10.8 8.9 13.3
236 26.2 20.7 31.1



#79
Terphenyl-d14
Concen: 63.042 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF112927.D
Acq: 7 Mar 2019 17:55

Tgt Ion:244 Resp: 2239324
Ion Ratio Lower Upper
244 100
212 7.1 5.6 8.4
122 12.1 10.5 15.7





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF112927.D
Acq: 7 Mar 2019 17:55

Instrument :
BNA_F
ClientSampleId :
SOIL-B

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	18.7	28.1
265	22.2	17.2	25.8

