

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030719\
 Data File : BF112926.D
 Acq On : 7 Mar 2019 17:28
 Operator : JU/SJ
 Sample : K1780-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-A

Quant Time: Mar 08 00:20:25 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

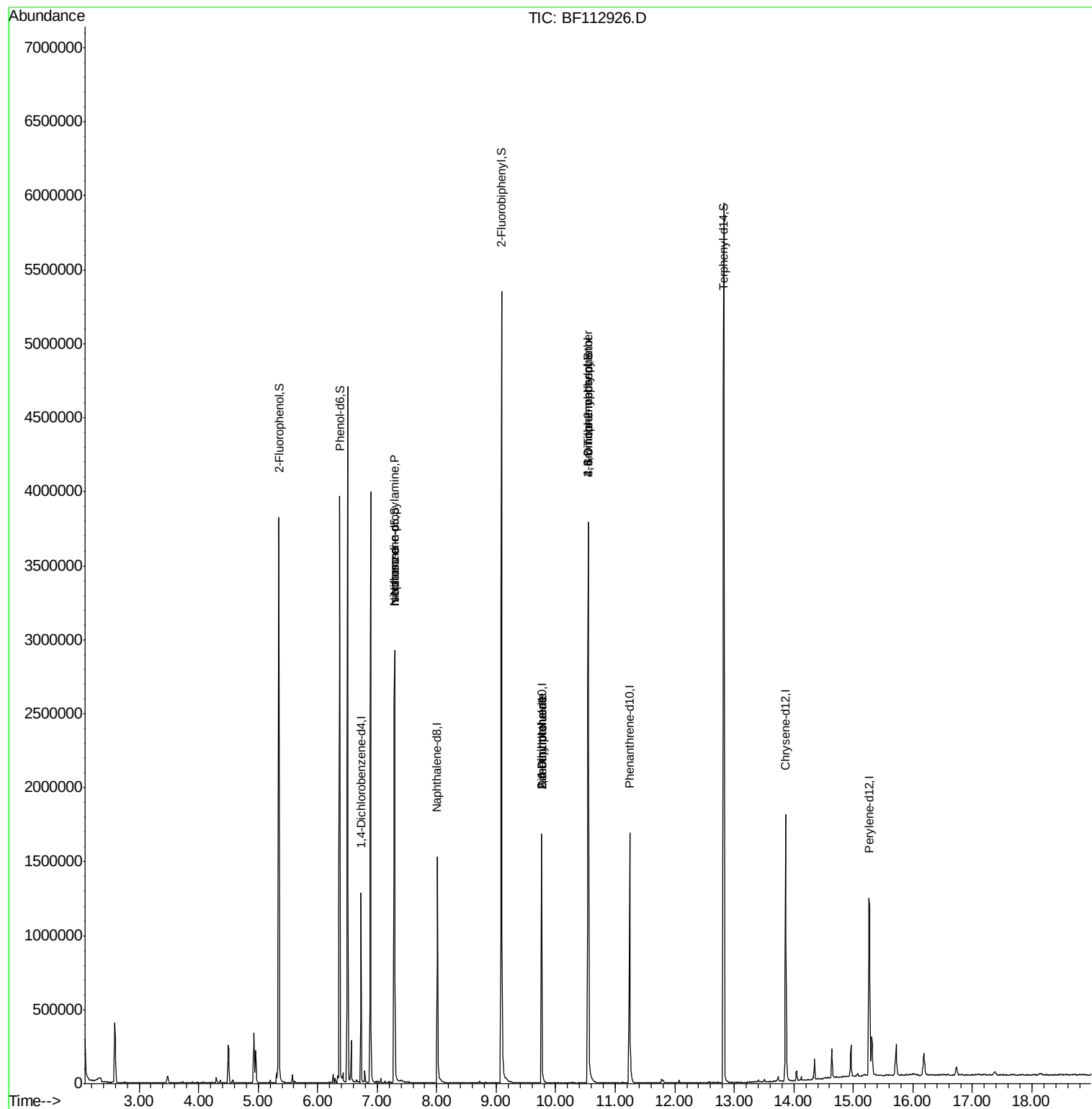
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	188905	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	760278	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	377396	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	798453	20.00	ng	0.00
76) Chrysene-d12	13.86	240	750620	20.00	ng	-0.01
87) Perylene-d12	15.26	264	668918	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	1193601	98.29	ng	0.00
7) Phenol-d6	6.37	99	1386593	90.90	ng	0.00
23) Nitrobenzene-d5	7.29	82	1054884	83.03	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	590674	147.43	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	2026481	90.52	ng	-0.01
79) Terphenyl-d14	12.82	244	2424567	62.62	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	138818	14.368	ng	# 75
25) Isophorone	7.29	82	1044434	38.157	ng	# 66
50) Dimethylphthalate	9.76	163	97097	3.489	ng	# 1
51) 2,6-Dinitrotoluene	9.76	165	47202	8.146	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	47351	6.574	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.55	198	1000	4.888	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	33054	3.930	ng	# 1

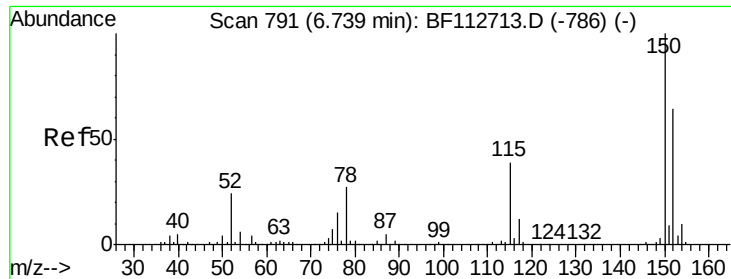
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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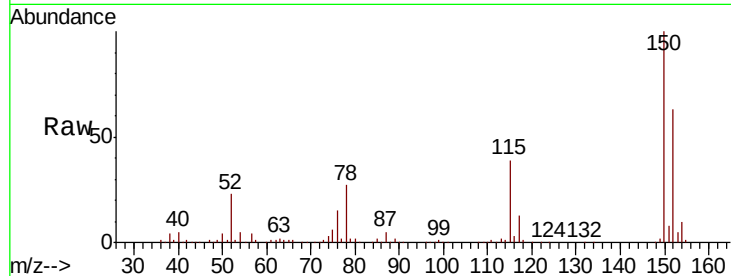




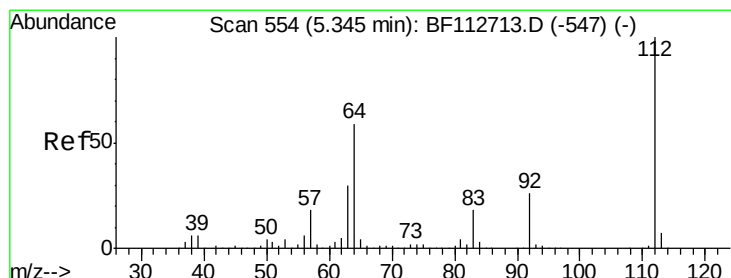
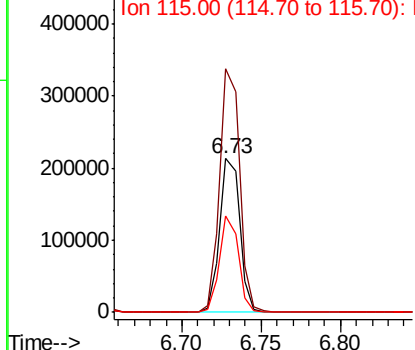
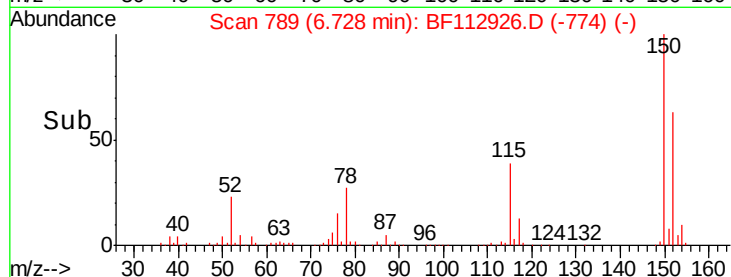
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF112926.D
 Acq: 7 Mar 2019 17:28

Instrument :
 BNA_F
 ClientSampled :
 SOIL-A

Tgt Ion:152 Resp: 188905
 Ion Ratio Lower Upper
 152 100
 150 158.5 124.2 186.2
 115 62.5 48.2 72.4

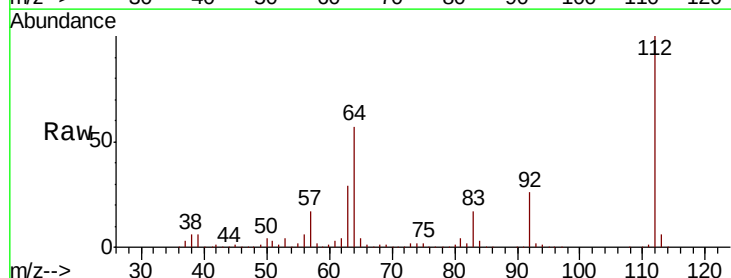


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

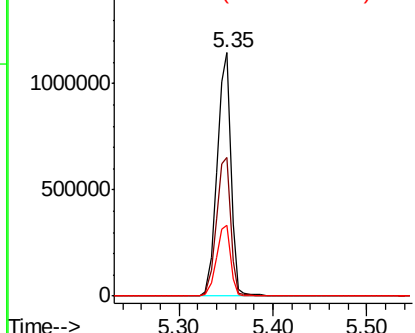
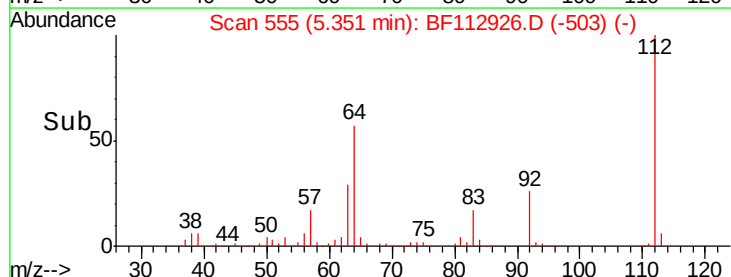


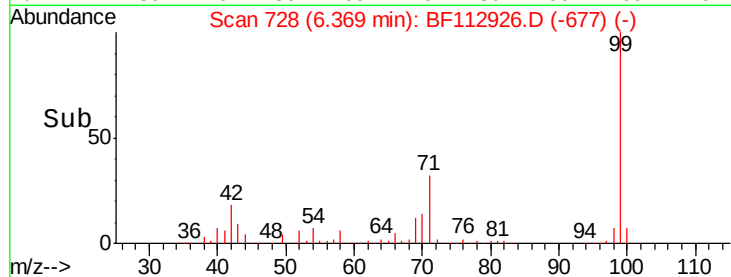
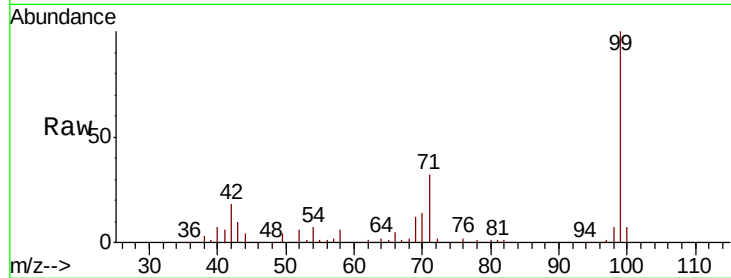
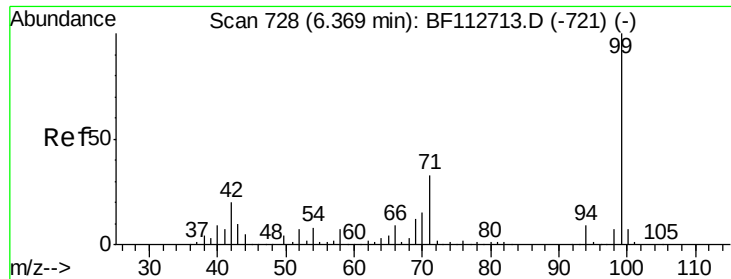
#5
 2-Fluorophenol
 Concen: 98.287 ng
 RT: 5.35 min Scan# 555
 Delta R.T. 0.01 min
 Lab File: BF112926.D
 Acq: 7 Mar 2019 17:28

Tgt Ion:112 Resp: 1193601
 Ion Ratio Lower Upper
 112 100
 64 57.2 47.6 71.4
 63 28.9 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: 90.895 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF112926.D

Acq: 7 Mar 2019 17:28

Instrument :

BNA_F

ClientSampleId :

SOIL-A

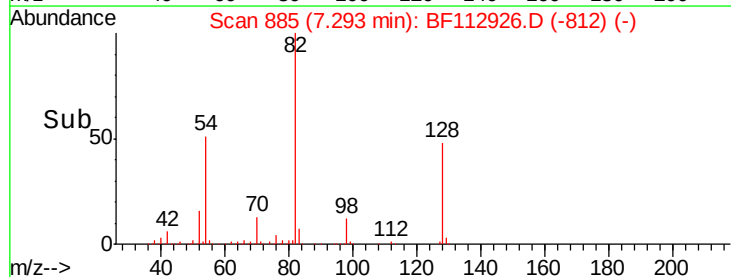
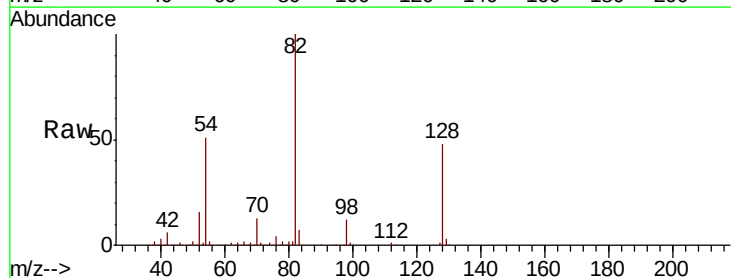
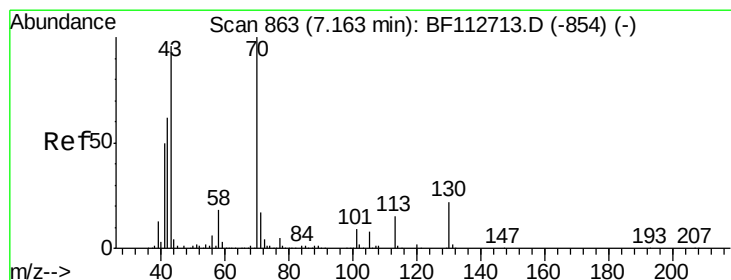
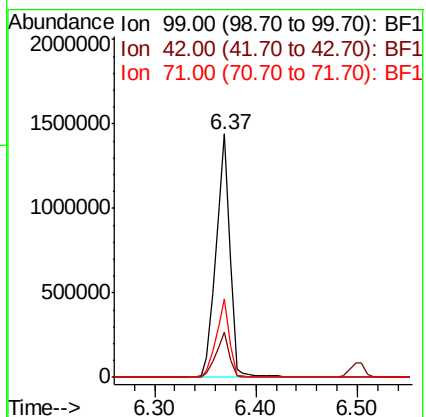
Tgt Ion: 99 Resp: 1386593

Ion Ratio Lower Upper

99 100

42 18.5 16.3 24.5

71 32.0 26.2 39.4



#19

n-Nitroso-di-n-propylamine

Concen: 14.368 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.13 min

Lab File: BF112926.D

Acq: 7 Mar 2019 17:28

Tgt Ion: 70 Resp: 138818

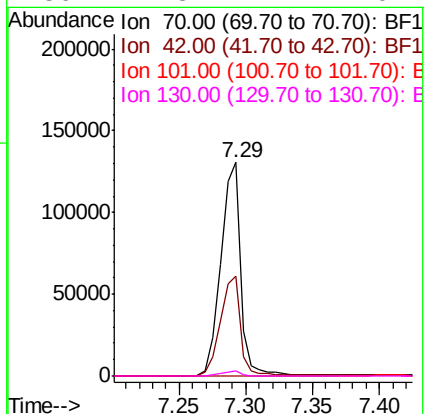
Ion Ratio Lower Upper

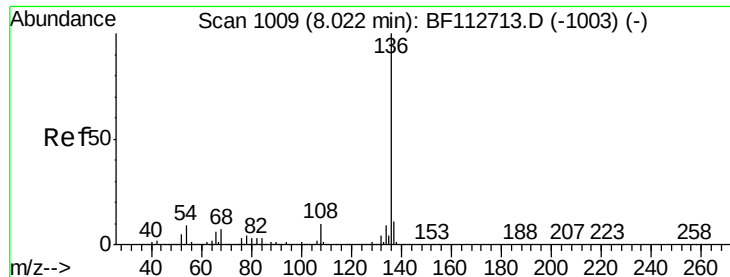
70 100

42 47.0 49.9 74.9#

101 0.0 7.4 11.2#

130 2.3 17.4 26.2#

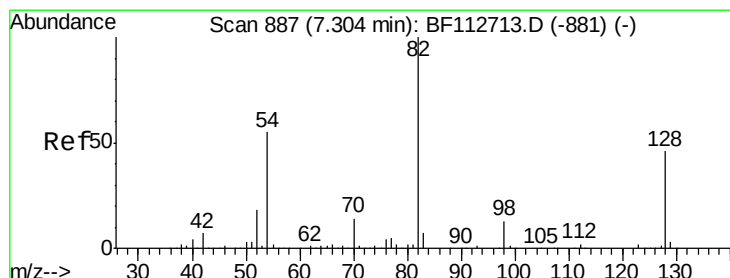
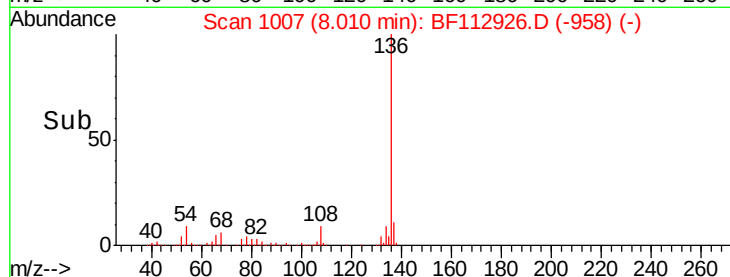
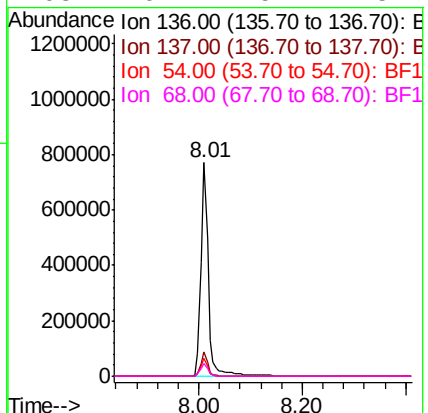
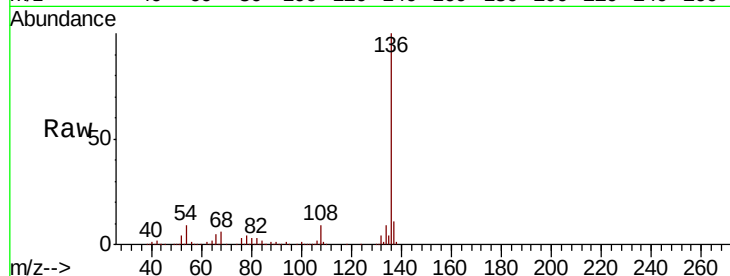




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF112926.D
Acq: 7 Mar 2019 17:28

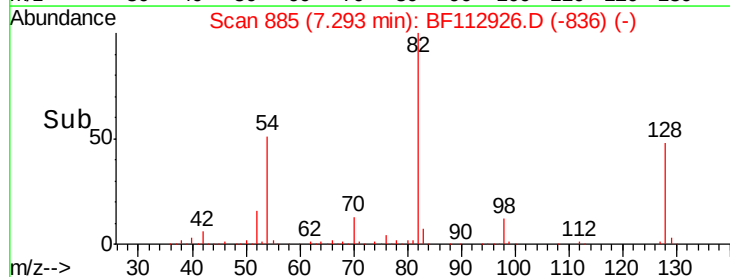
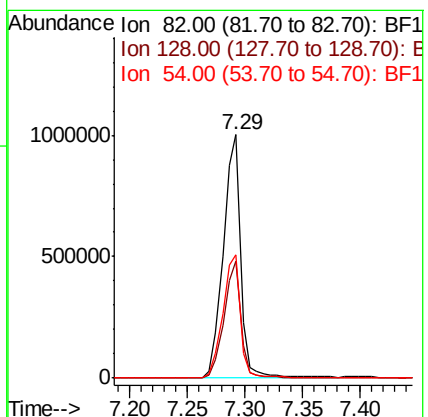
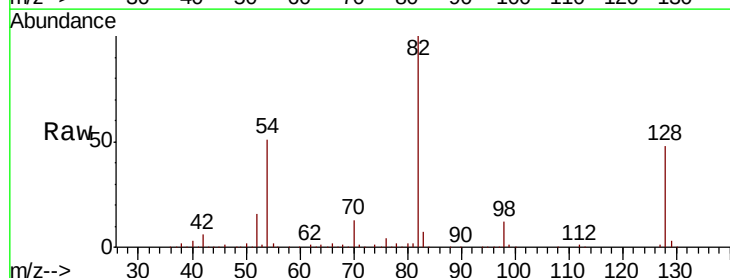
Instrument :
BNA_F
ClientSampled :
SOIL-A

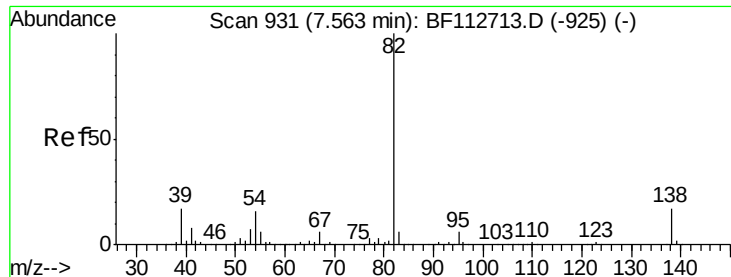
Tgt Ion:	136	Resp:	760278
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.6	7.3	10.9
68	6.2	5.4	8.2



#23
Nitrobenzene-d5
Concen: 83.025 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF112926.D
Acq: 7 Mar 2019 17:28

Tgt Ion:	82	Resp:	1054884
Ion	Ratio	Lower	Upper
82	100		
128	47.9	36.3	54.5
54	50.7	43.7	65.5





#25

Isophorone

Concen: 38.157 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.27 min

Lab File: BF112926.D

Acq: 7 Mar 2019 17:28

Instrument :

BNA_F

ClientSampleId :

SOIL-A

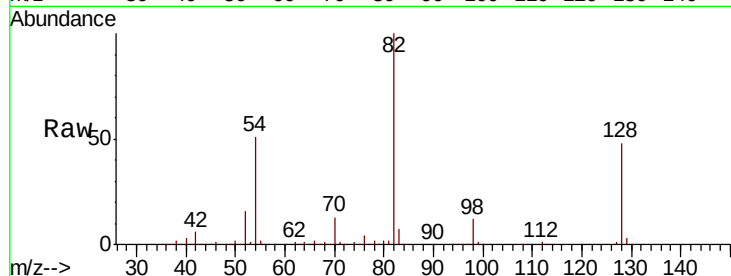
Tgt Ion: 82 Resp: 1044434

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

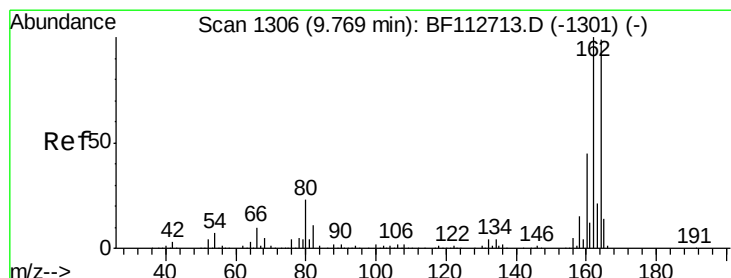
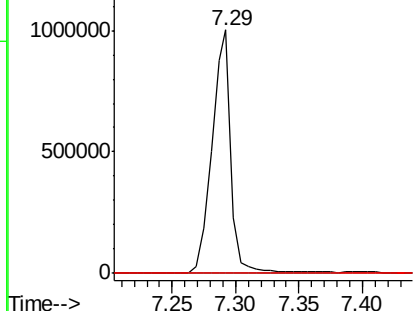
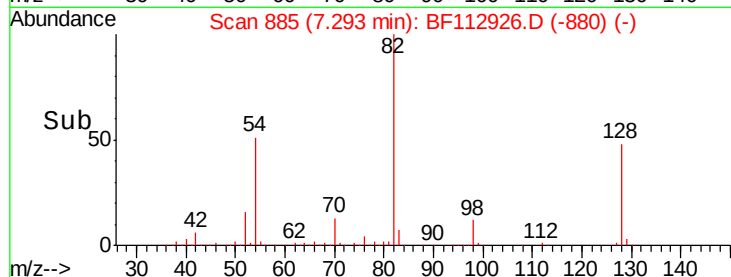
138 0.0 13.8 20.8#



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: BF112926.D

Acq: 7 Mar 2019 17:28

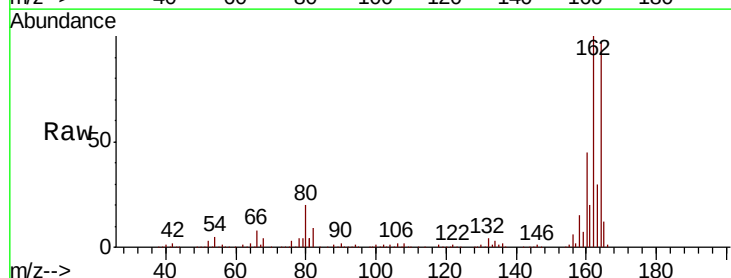
Tgt Ion: 164 Resp: 377396

Ion Ratio Lower Upper

164 100

162 103.0 80.6 120.8

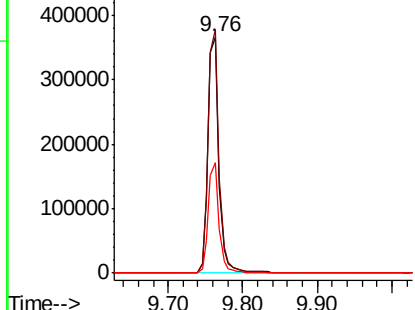
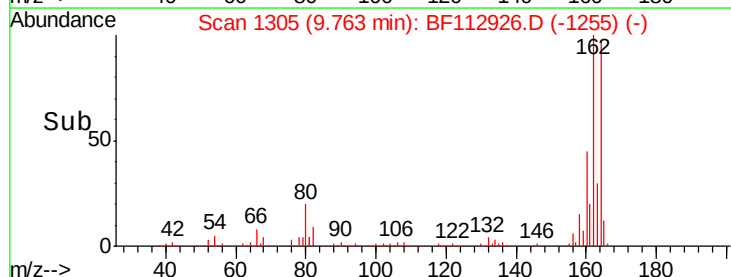
160 46.8 36.0 54.0

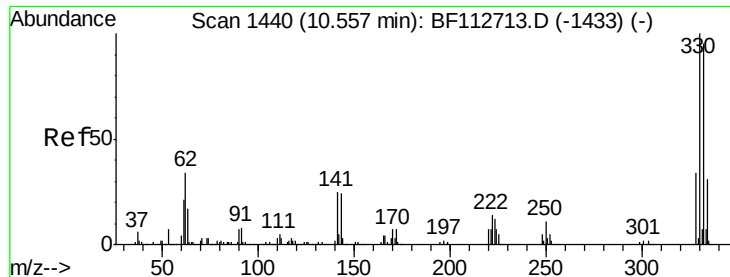


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 147.428 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF112926.D

Acq: 7 Mar 2019 17:28

Instrument :

BNA_F

ClientSampled :

SOIL-A

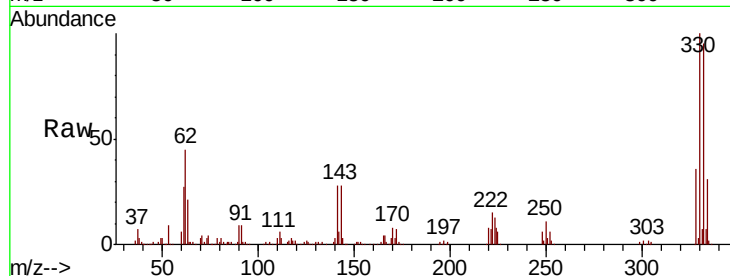
Tgt Ion:330 Resp: 590674

Ion Ratio Lower Upper

330 100

332 94.8 76.2 114.4

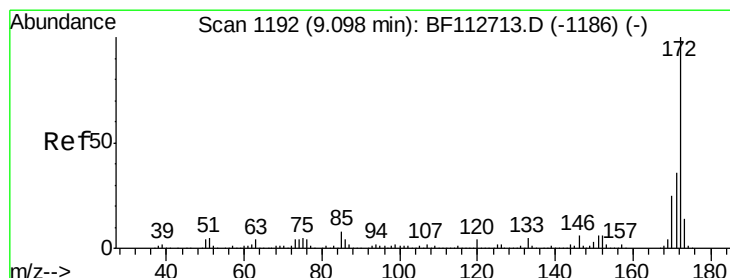
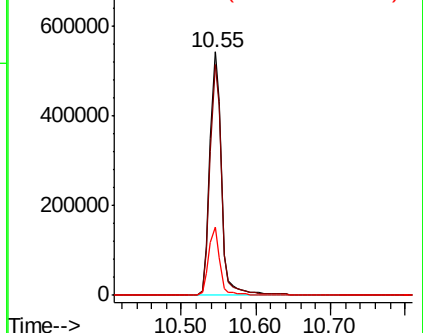
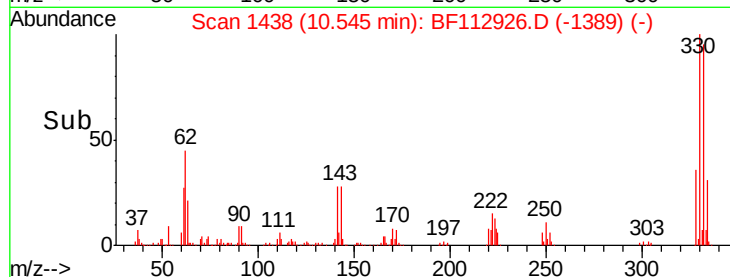
141 27.5 27.0 40.6



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: 90.517 ng

RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF112926.D

Acq: 7 Mar 2019 17:28

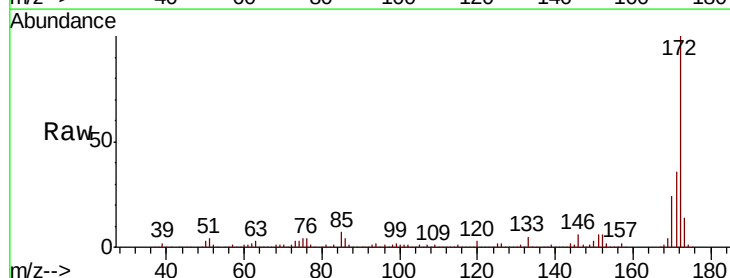
Tgt Ion:172 Resp: 2026481

Ion Ratio Lower Upper

172 100

171 36.3 29.0 43.4

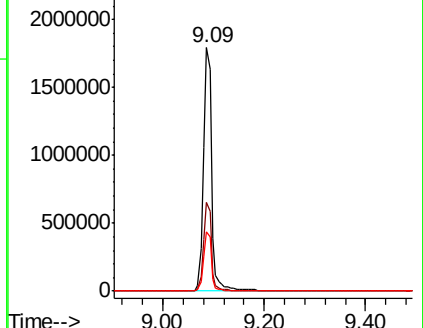
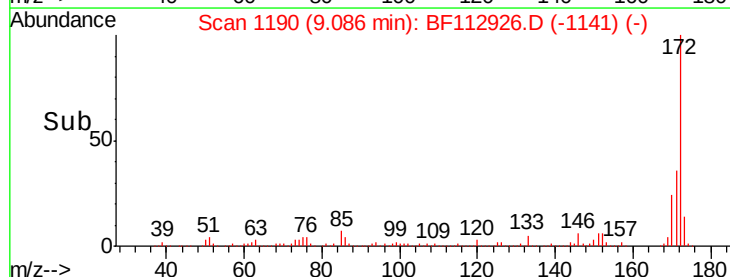
170 24.4 20.0 30.0

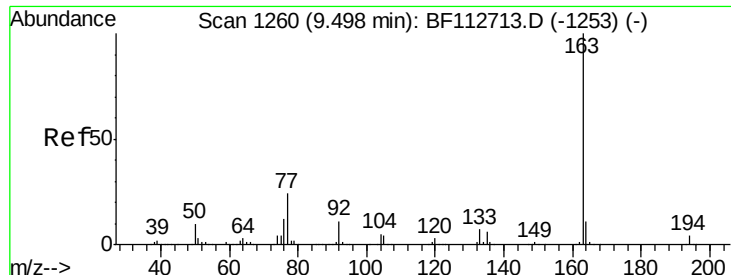


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 3.489 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.26 min

Lab File: BF112926.D

Acq: 7 Mar 2019 17:28

Instrument :

BNA_F

ClientSampleId :

SOIL-A

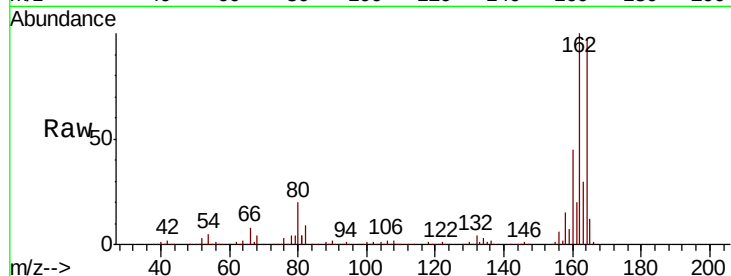
Tgt Ion:163 Resp: 97097

Ion Ratio Lower Upper

163 100

194 0.0 3.0 4.4#

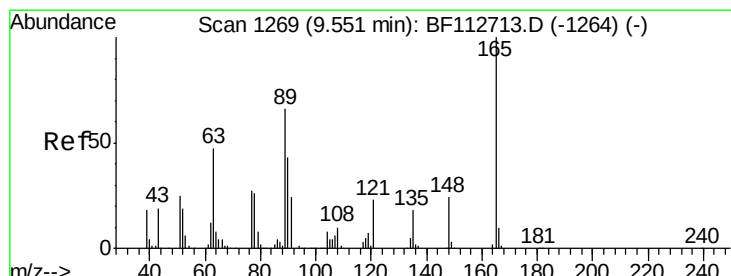
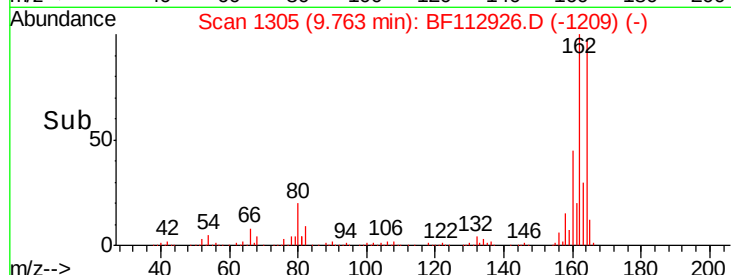
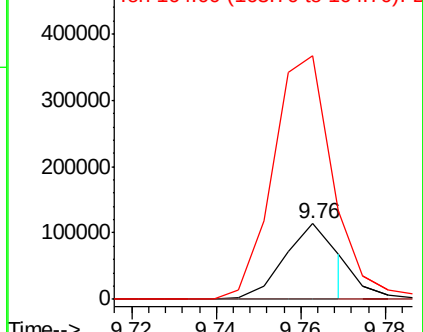
164 323.2 8.4 12.6#



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



#51

2,6-Dinitrotoluene

Concen: 8.146 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.21 min

Lab File: BF112926.D

Acq: 7 Mar 2019 17:28

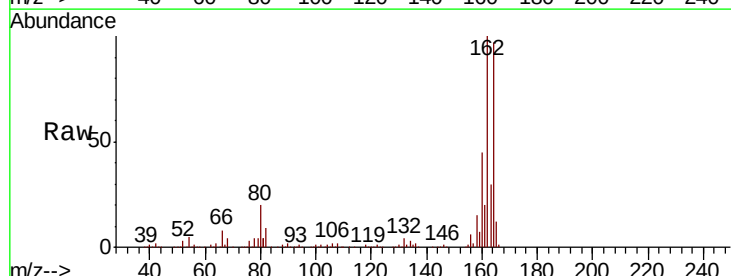
Tgt Ion:165 Resp: 47202

Ion Ratio Lower Upper

165 100

63 1.3 54.1 81.1#

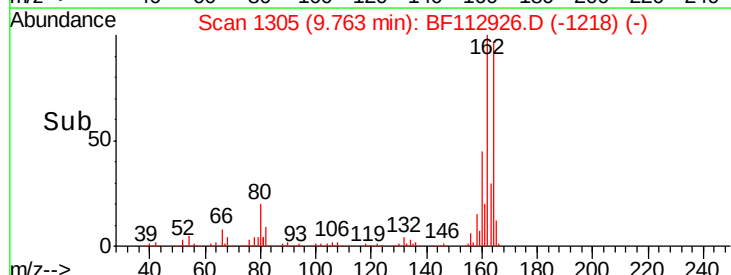
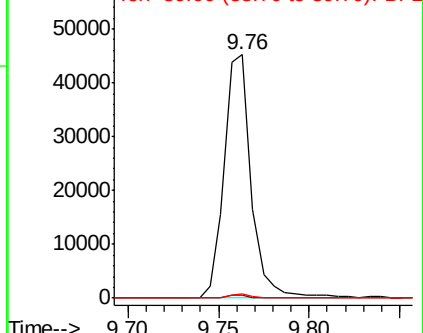
89 1.5 52.8 79.2#

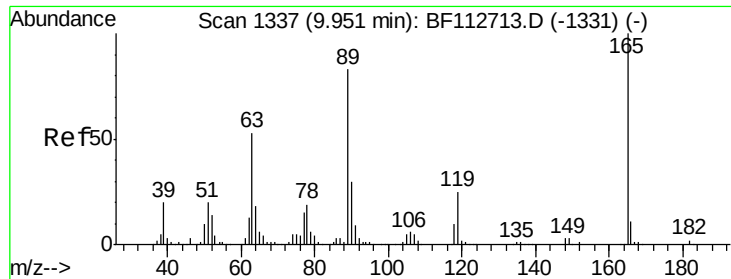


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

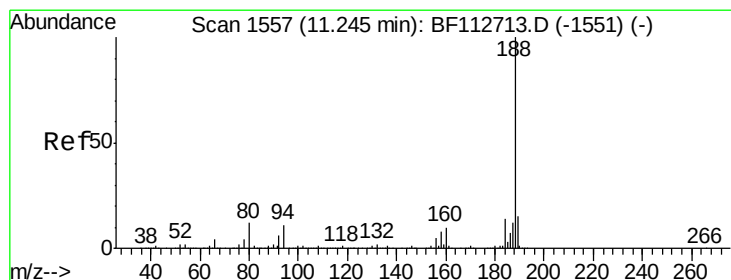
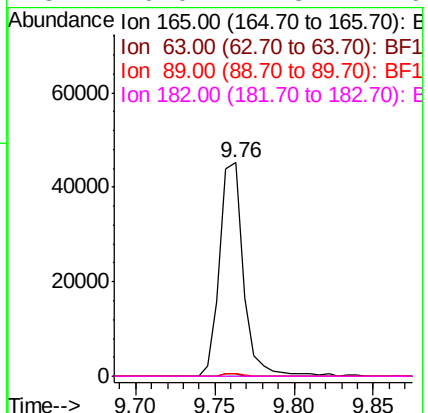
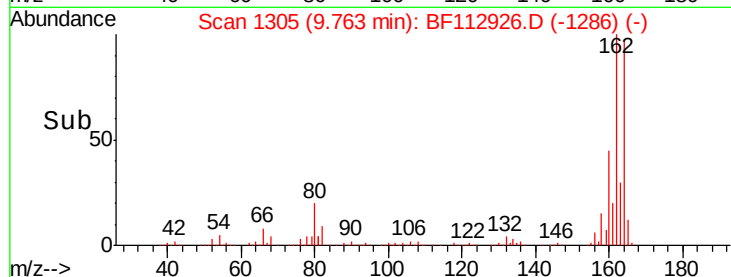
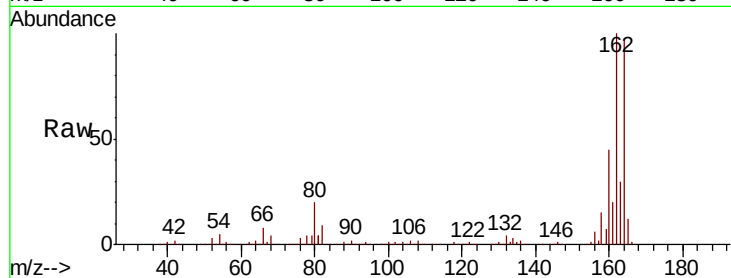




#57
 2,4-Dinitrotoluene
 Concen: 6.574 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.19 min
 Lab File: BF112926.D
 Acq: 7 Mar 2019 17:28

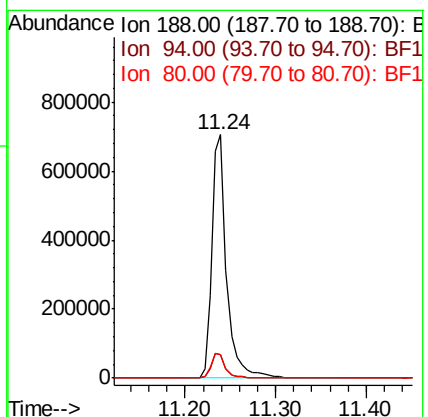
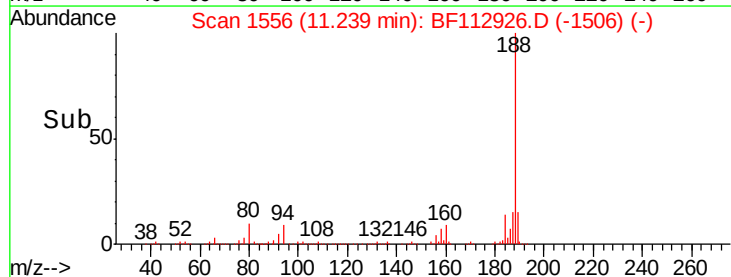
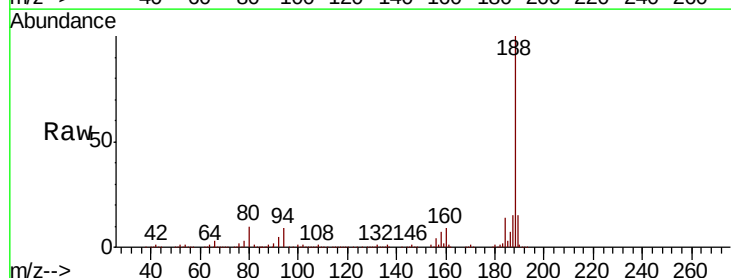
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-A

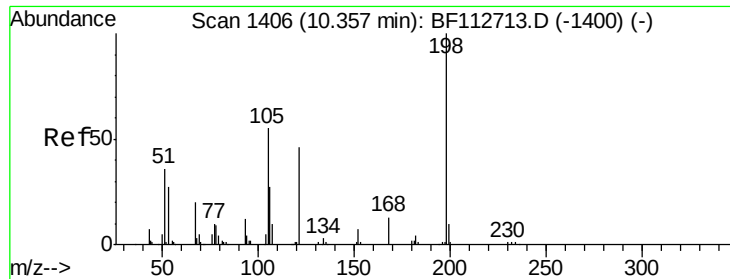
Tgt Ion:	165	Resp:	47351
Ion	Ratio	Lower	Upper
165	100		
63	1.3	42.2	63.2#
89	1.5	66.2	99.4#
182	0.0	1.8	2.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF112926.D
 Acq: 7 Mar 2019 17:28

Tgt Ion:	188	Resp:	798453
Ion	Ratio	Lower	Upper
188	100		
94	9.5	9.0	13.4
80	9.7	9.2	13.8

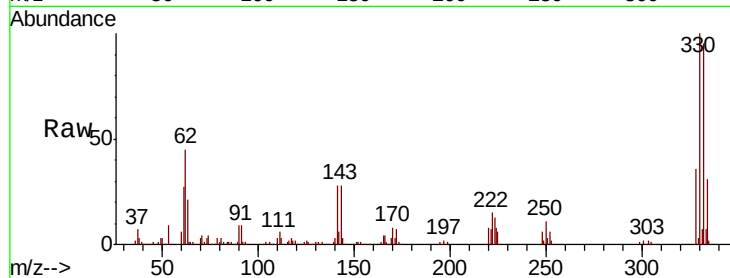




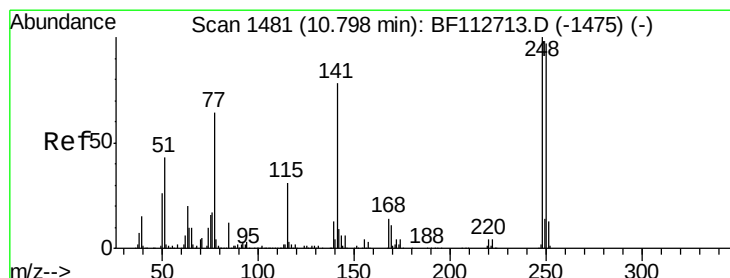
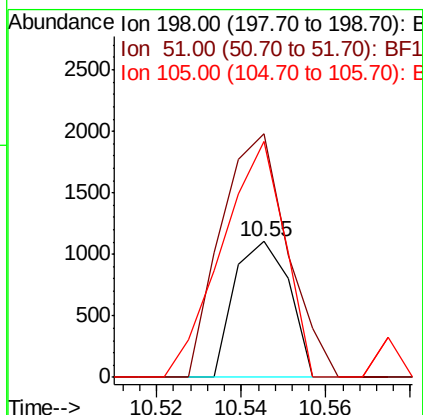
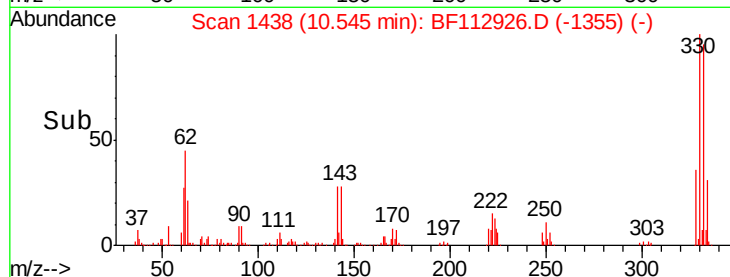
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.888 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.19 min
 Lab File: BF112926.D
 Acq: 7 Mar 2019 17:28

Instrument :
 BNA_F
 ClientSampled :
 SOIL-A

Tgt Ion:198 Resp: 1000
 Ion Ratio Lower Upper
 198 100
 51 178.9 43.8 83.8#
 105 173.6 36.5 76.5#

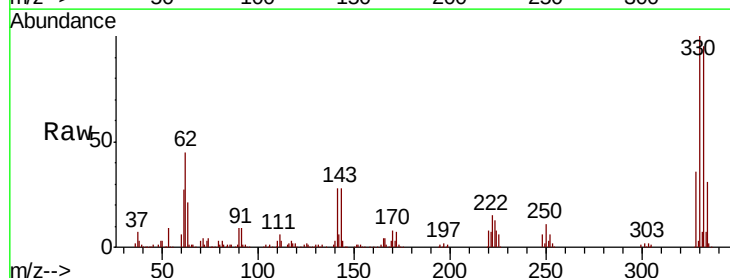


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

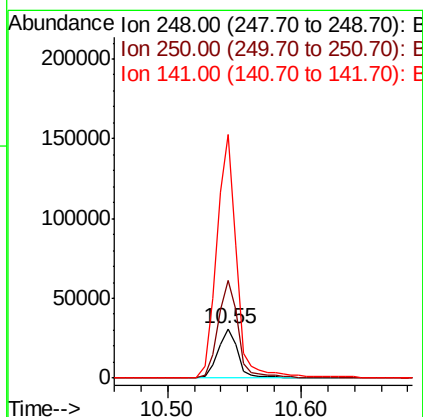
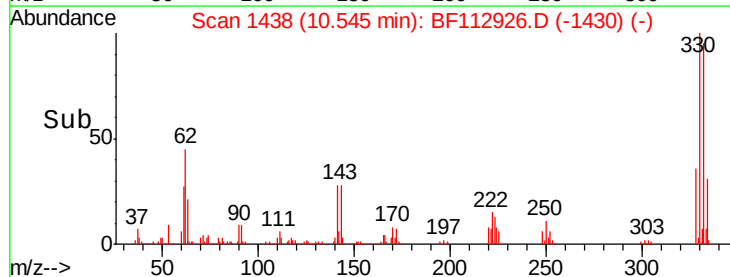


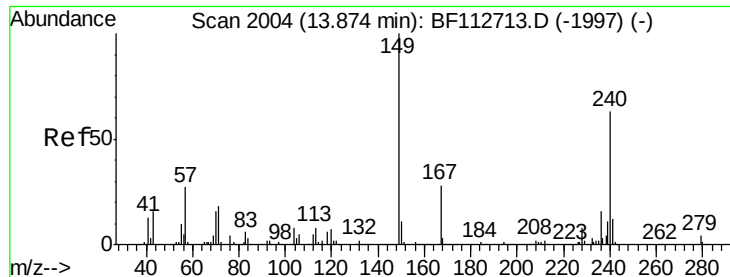
#67
 4-Bromophenyl-phenylether
 Concen: 3.930 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF112926.D
 Acq: 7 Mar 2019 17:28

Tgt Ion:248 Resp: 33054
 Ion Ratio Lower Upper
 248 100
 250 198.0 77.5 116.3#
 141 490.8 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: BF112926.D

Acq: 7 Mar 2019 17:28

Instrument :

BNA_F

ClientSampleId :

SOIL-A

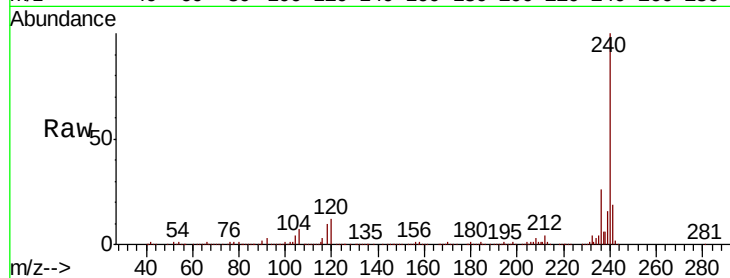
Tgt Ion:240 Resp: 750620

Ion Ratio Lower Upper

240 100

120 11.6 8.9 13.3

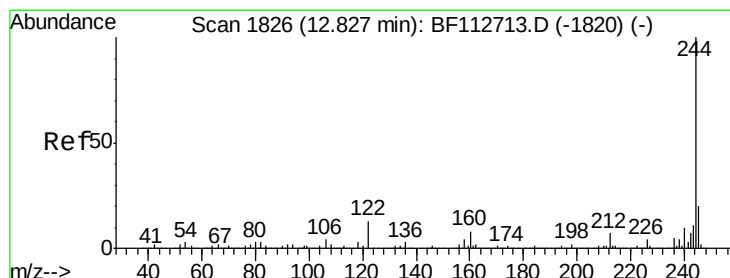
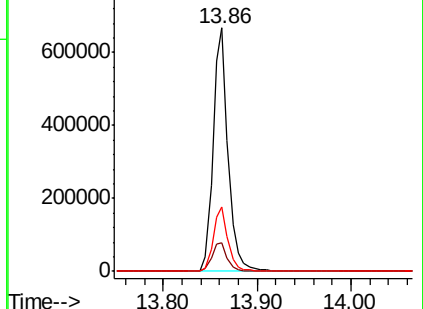
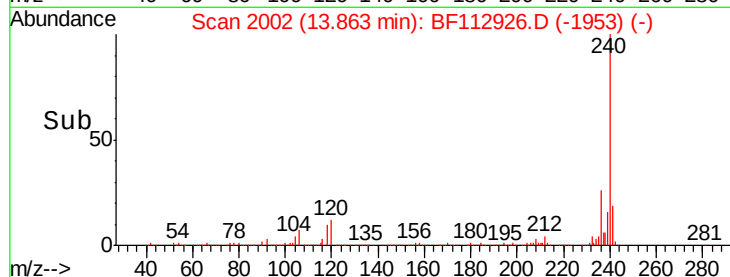
236 26.4 20.7 31.1



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



#79

Terphenyl-d14

Concen: 62.615 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF112926.D

Acq: 7 Mar 2019 17:28

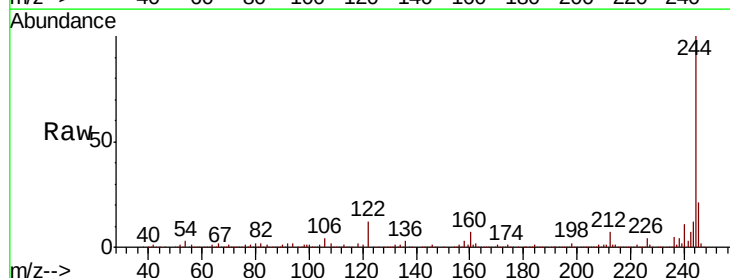
Tgt Ion:244 Resp: 2424567

Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

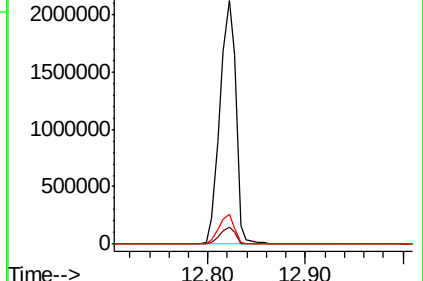
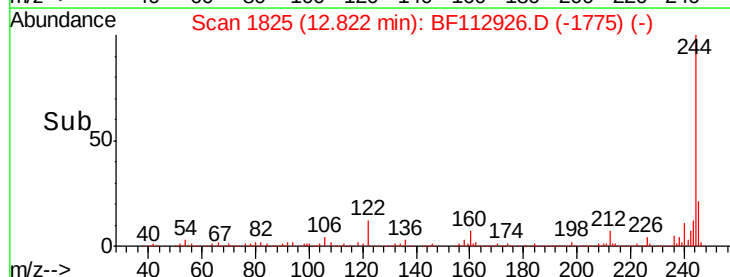
122 12.4 10.5 15.7

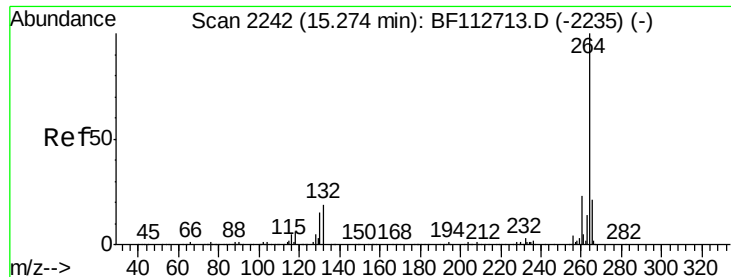


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF112926.D
Acq: 7 Mar 2019 17:28

Instrument :
BNA_F
ClientSampleId :
SOIL-A

Tgt Ion: 264 Resp: 668918
Ion Ratio Lower Upper
264 100
260 23.7 18.7 28.1
265 21.7 17.2 25.8

