

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111418\
 Data File : BF110779.D
 Acq On : 14 Nov 2018 22:01
 Operator : JU/SJ
 Sample : J5932-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CG-SOIL

Quant Time: Nov 15 04:38:33 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 12:43:10 2018
 Response via : Initial Calibration

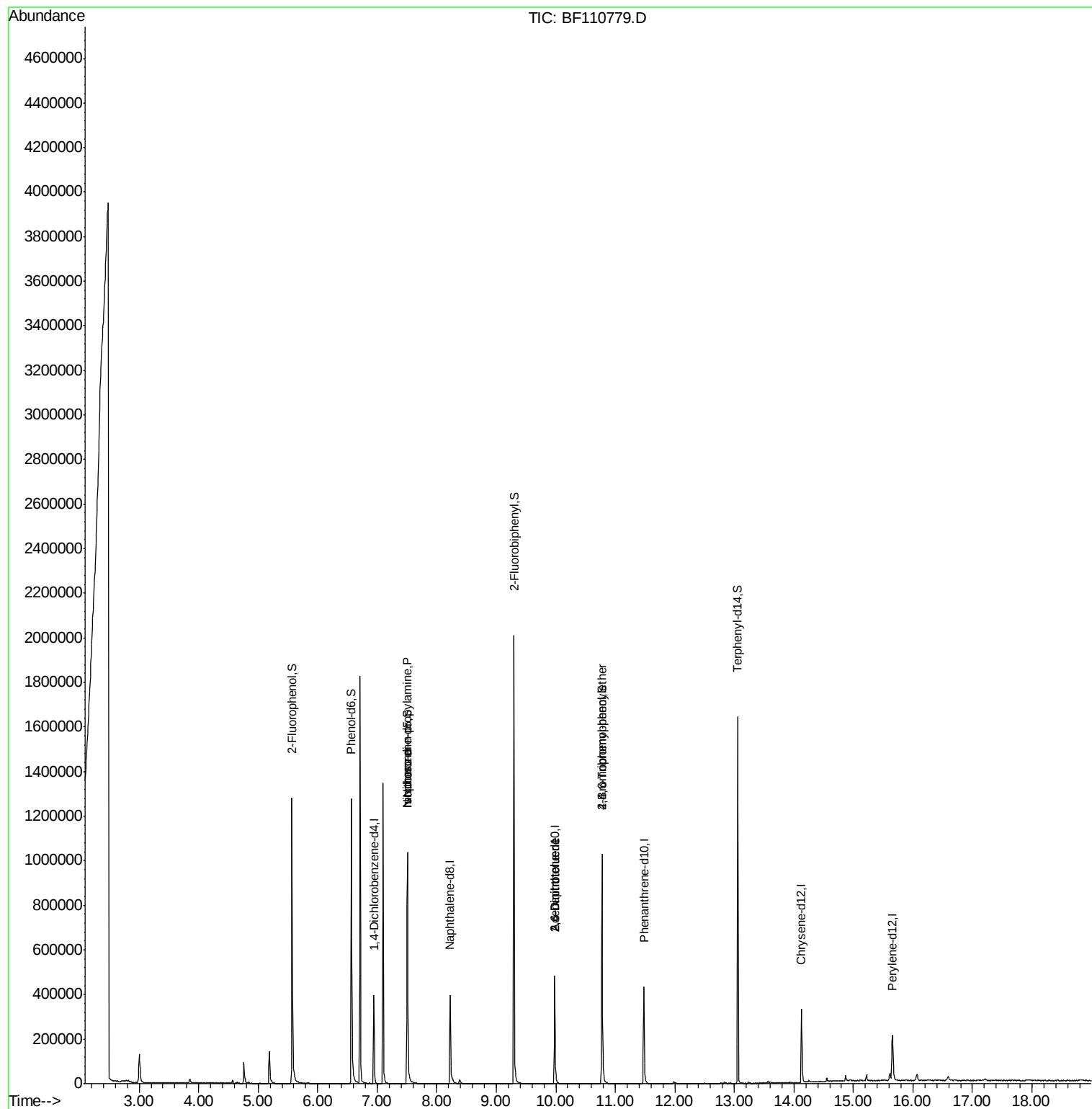
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	61605	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	253762	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	117848	20.00	ng	-0.01
64) Phenanthrene-d10	11.48	188	203937	20.00	ng	0.00
76) Chrysene-d12	14.13	240	133694	20.00	ng	-0.01
87) Perylene-d12	15.66	264	125192	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	410308	108.18	ng	0.00
7) Phenol-d6	6.57	99	458853	94.61	ng	0.00
23) Nitrobenzene-d5	7.51	82	353061	80.12	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	137071	115.43	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	654465	79.31	ng	0.00
79) Terphenyl-d14	13.06	244	542183	75.95	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.57	77	386	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.51	70	47406	15.313 ng	#	77
25) Isophorone	7.51	82	353059	48.886 ng	#	67
51) 2,6-Dinitrotoluene	9.98	165	14518	7.505 ng	#	22
57) 2,4-Dinitrotoluene	9.98	165	14518	5.772 ng	#	19
67) 4-Bromophenyl-phenylether	10.77	248	8804	3.906 ng	#	1

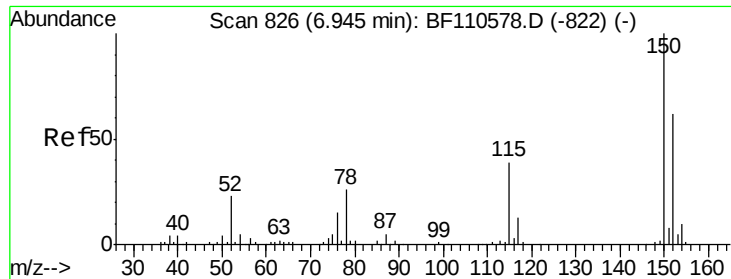
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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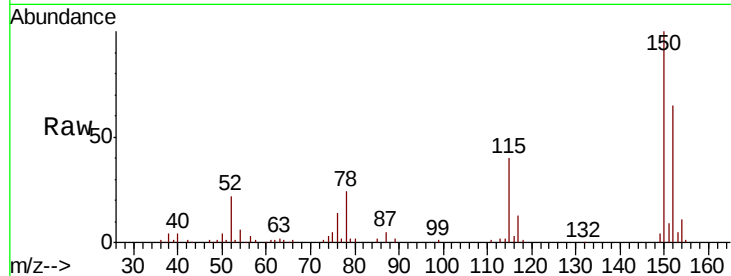




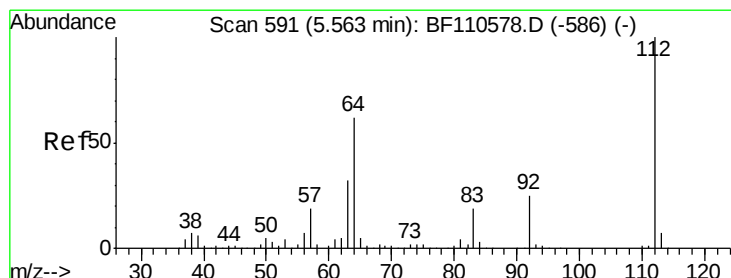
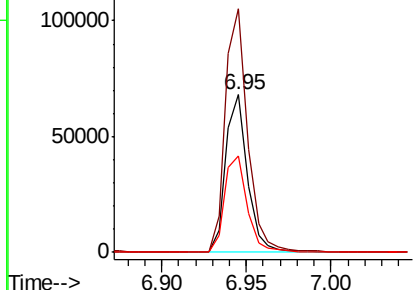
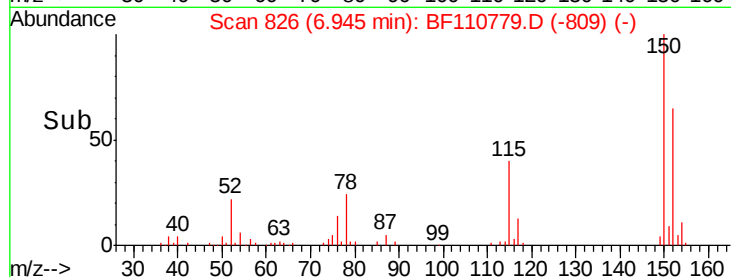
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: BF110779.D
 Acq: 14 Nov 2018 22:01

Instrument :
 BNA_F
 ClientSampled :
 CG-SOIL

Tgt Ion:152 Resp: 61605
 Ion Ratio Lower Upper
 152 100
 150 154.4 122.7 184.1
 115 61.3 49.1 73.7

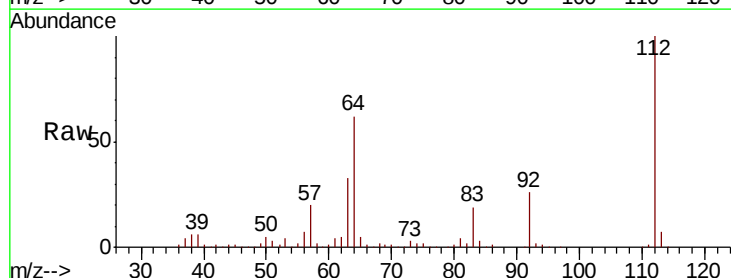


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

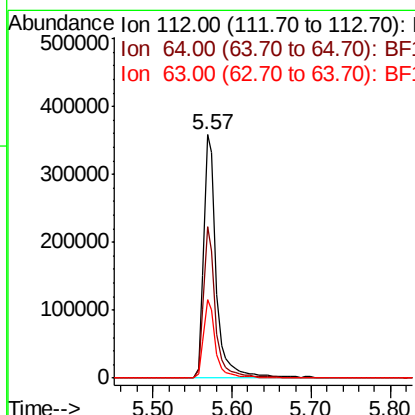
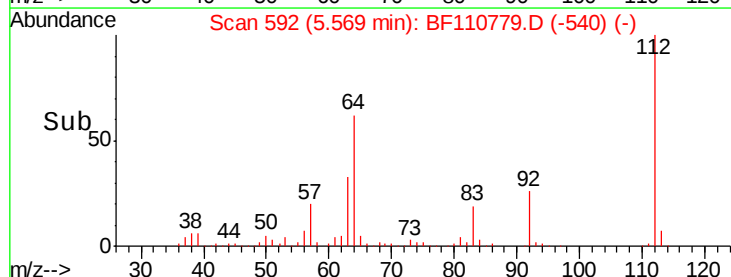


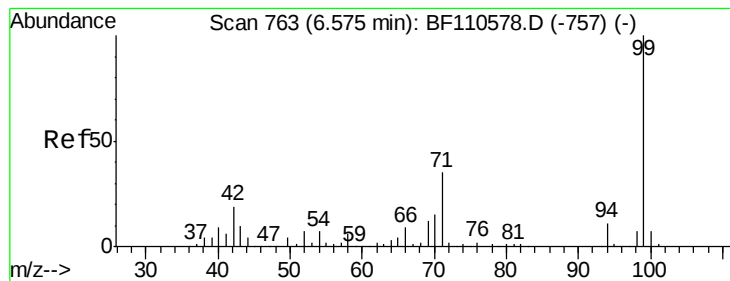
#5
 2-Fluorophenol
 Concen: 108.184 ng
 RT: 5.57 min Scan# 592
 Delta R.T. 0.01 min
 Lab File: BF110779.D
 Acq: 14 Nov 2018 22:01

Tgt Ion:112 Resp: 410308
 Ion Ratio Lower Upper
 112 100
 64 62.1 44.1 66.1
 63 32.5 23.7 35.5



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: 94.610 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110779.D

Acq: 14 Nov 2018 22:01

Instrument :

BNA_F

ClientSampleId :

CG-SOIL

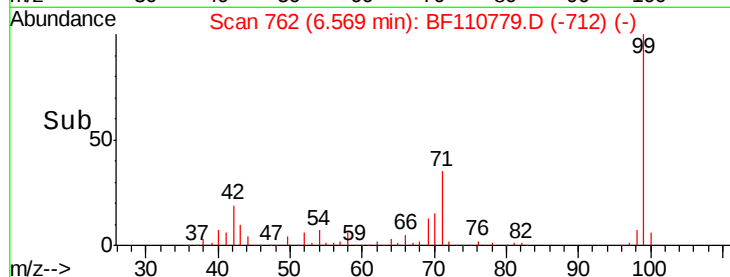
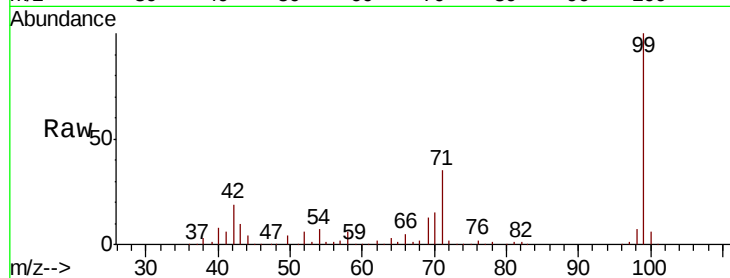
Tgt Ion: 99 Resp: 458853

Ion Ratio Lower Upper

99 100

42 18.8 15.8 23.6

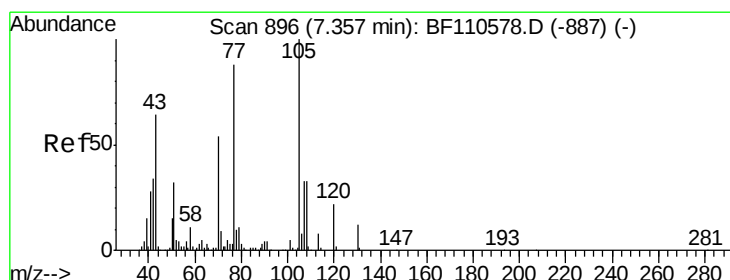
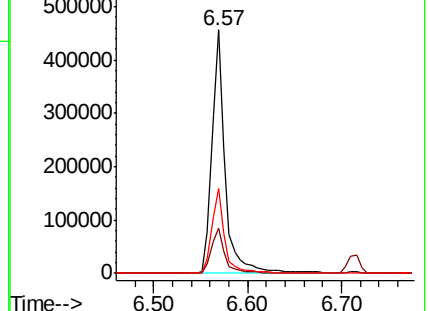
71 34.9 28.0 42.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.313 ng

RT: 7.51 min Scan# 922

Delta R.T. 0.15 min

Lab File: BF110779.D

Acq: 14 Nov 2018 22:01

Tgt Ion: 70 Resp: 47406

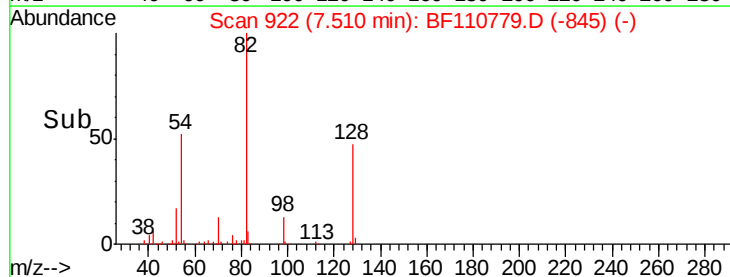
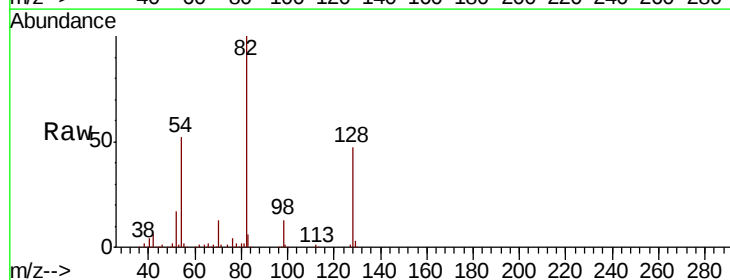
Ion Ratio Lower Upper

70 100

42 46.7 47.4 71.2#

101 0.0 7.3 10.9#

130 2.3 16.2 24.2#

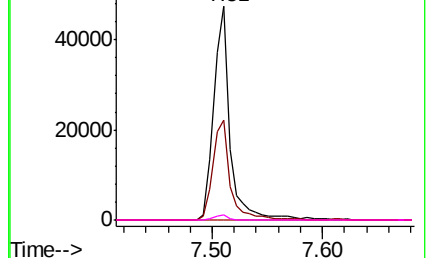


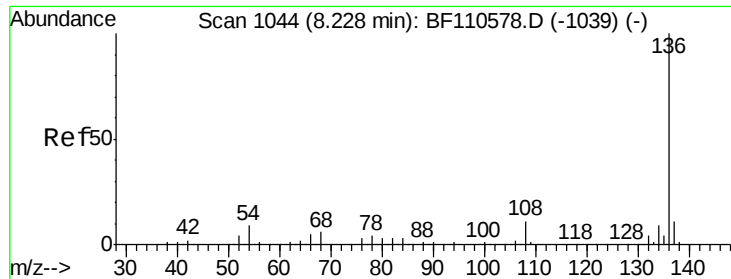
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

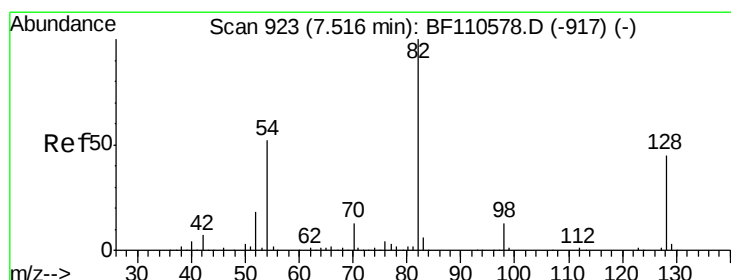
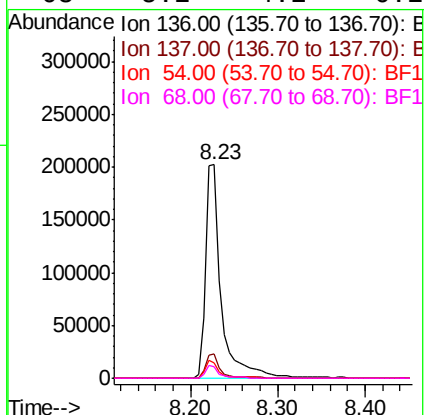
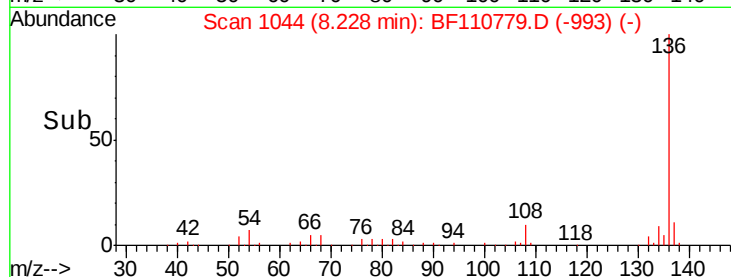
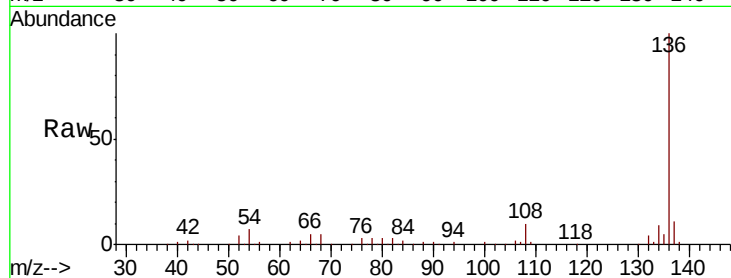




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BF110779.D
Acq: 14 Nov 2018 22:01

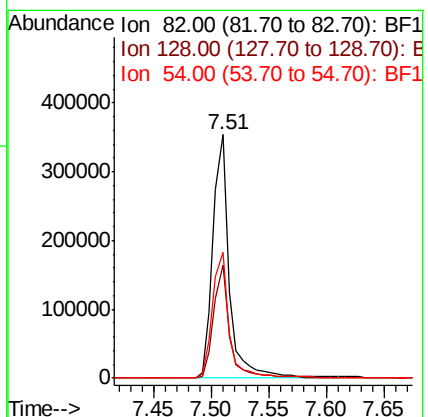
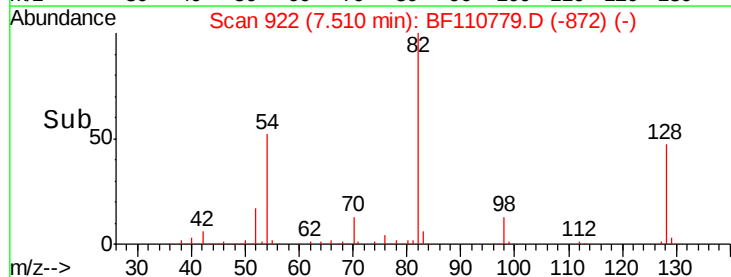
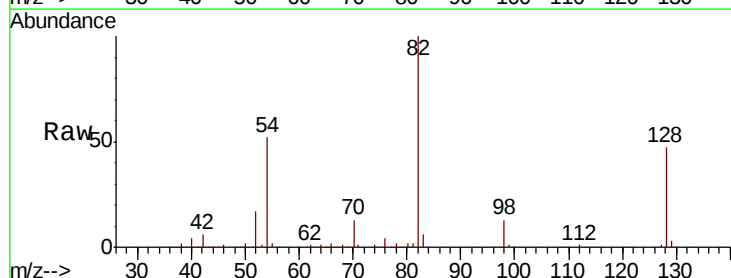
Instrument :
BNA_F
ClientSampleId :
CG-SOIL

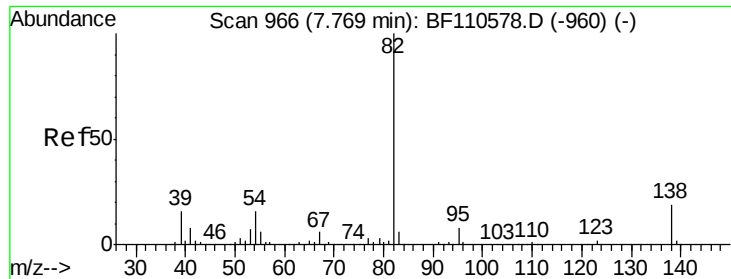
Tgt Ion:	136	Resp:	253762
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.4	5.4	8.2
68	5.2	4.2	6.2



#23
Nitrobenzene-d5
Concen: 80.125 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF110779.D
Acq: 14 Nov 2018 22:01

Tgt Ion:	82	Resp:	353061
Ion	Ratio	Lower	Upper
82	100		
128	46.7	34.2	51.2
54	51.6	38.6	58.0





#25

Isophorone

Concen: 48.886 ng

RT: 7.51 min Scan# 922

Delta R.T. -0.26 min

Lab File: BF110779.D

Acq: 14 Nov 2018 22:01

Instrument :

BNA_F

ClientSampled :

CG-SOIL

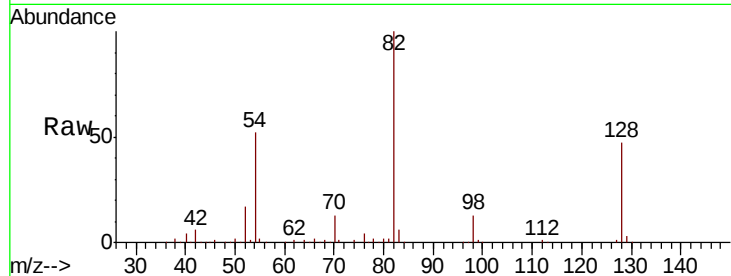
Tgt Ion: 82 Resp: 353059

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

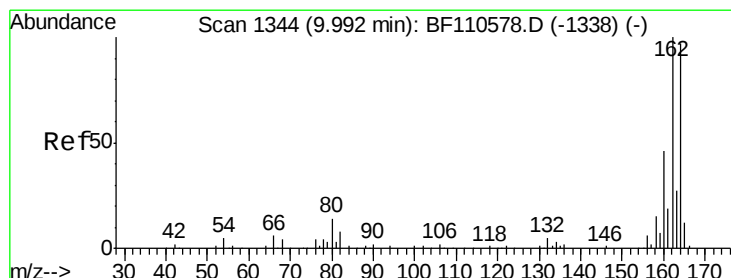
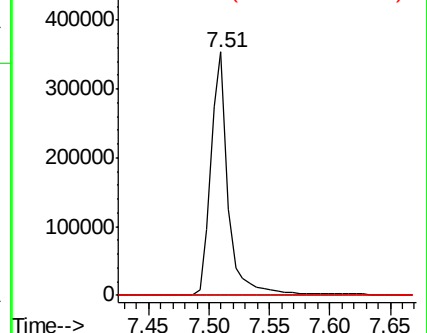
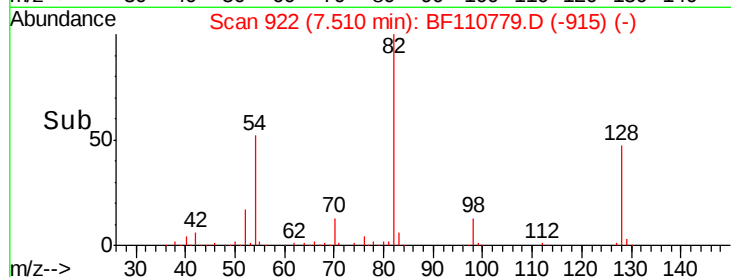
138 0.0 13.2 19.8#



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: 9.98 min Scan# 1342

Delta R.T. -0.01 min

Lab File: BF110779.D

Acq: 14 Nov 2018 22:01

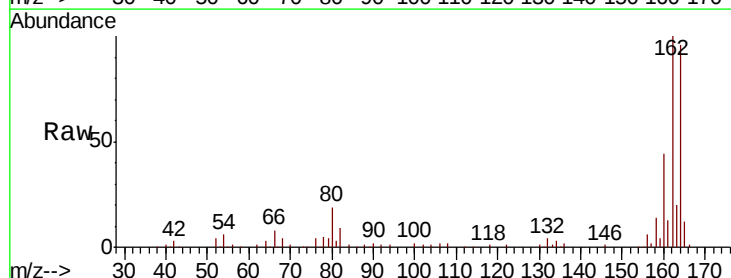
Tgt Ion: 164 Resp: 117848

Ion Ratio Lower Upper

164 100

162 103.8 83.0 124.6

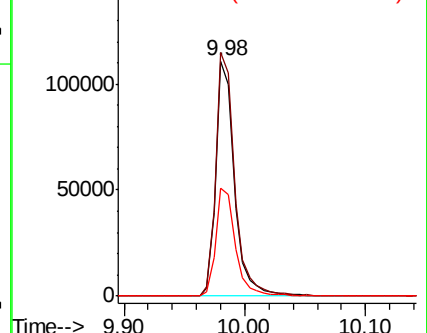
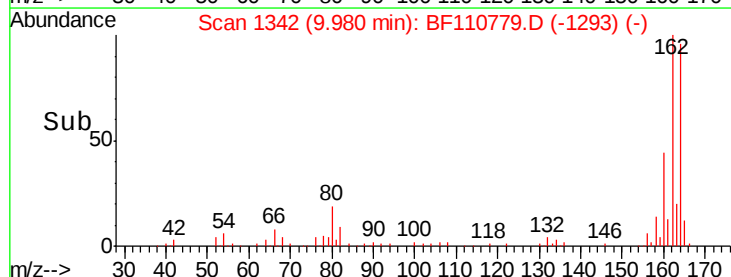
160 45.9 37.0 55.6

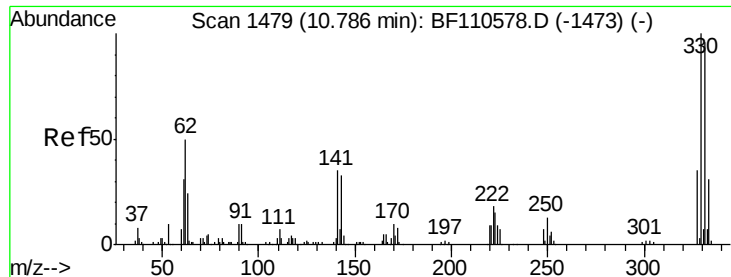


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

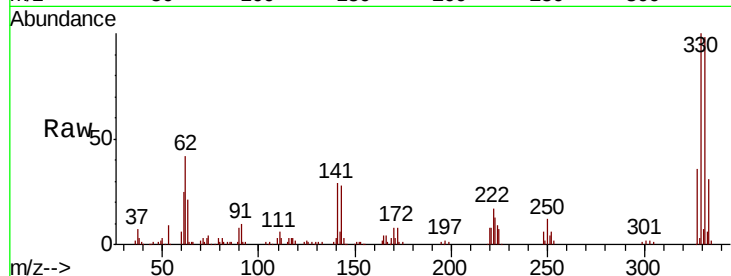




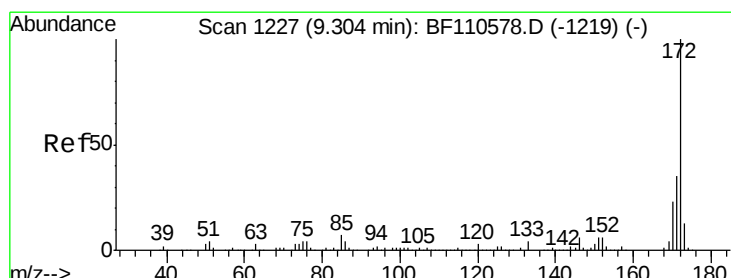
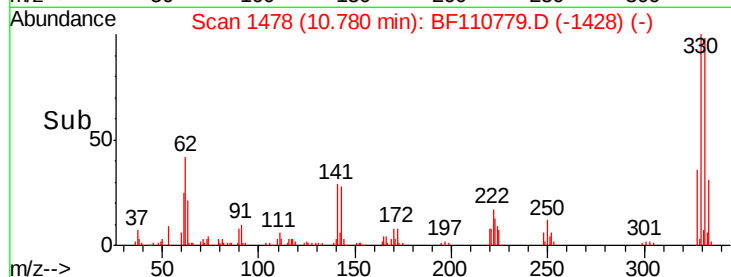
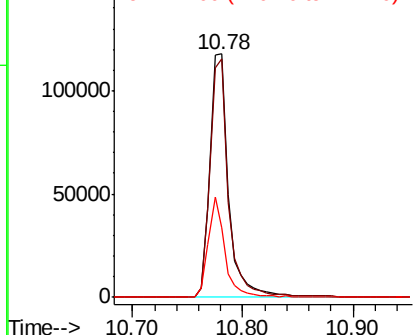
#42
 2,4,6-Tribromophenol
 Concen: 115.432 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: BF110779.D
 Acq: 14 Nov 2018 22:01

Instrument :
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 ClientSampleId :
 CG-SOIL

Tgt Ion:330 Resp: 137071
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.1 115.7
 141 36.6 27.0 40.4

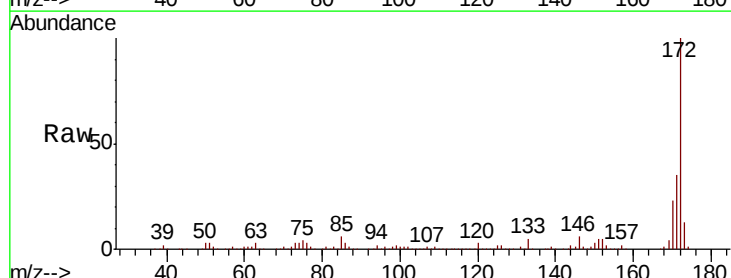


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

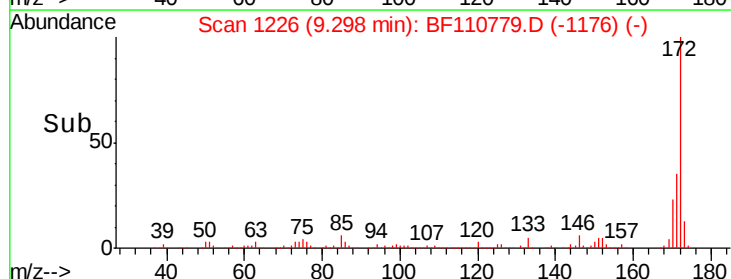
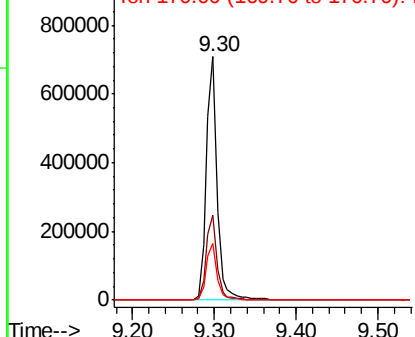


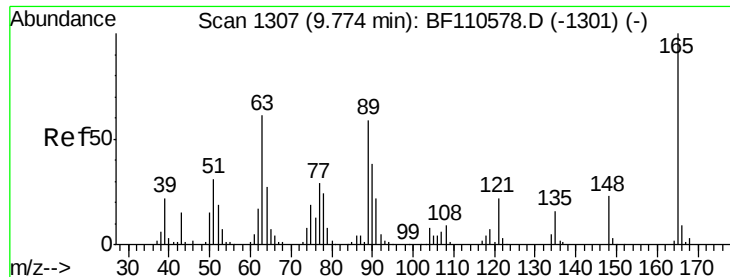
#45
 2-Fluorobiphenyl
 Concen: 79.314 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF110779.D
 Acq: 14 Nov 2018 22:01

Tgt Ion:172 Resp: 654465
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.6 43.0
 170 23.1 19.7 29.5



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

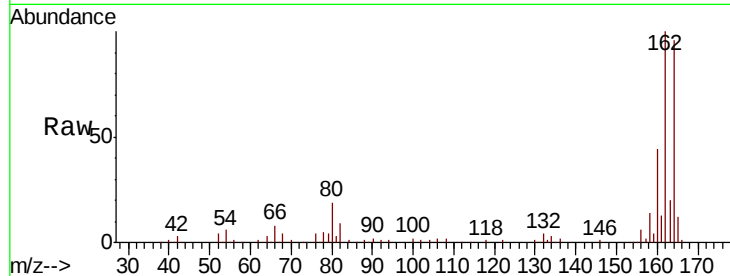




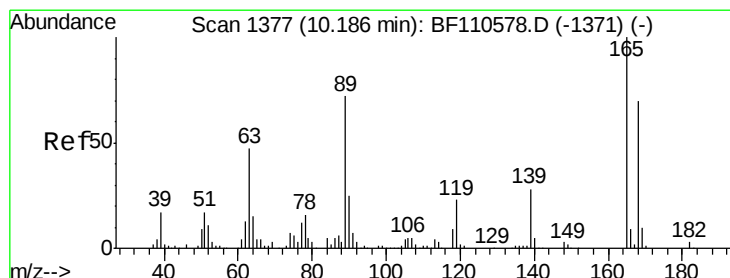
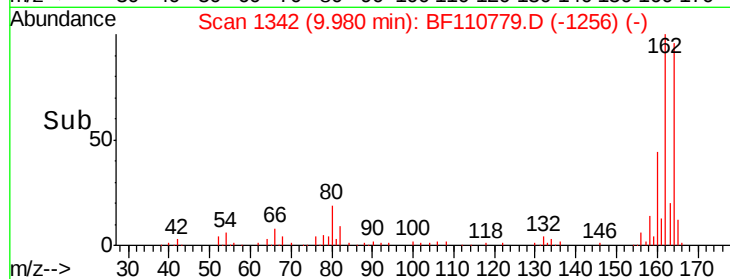
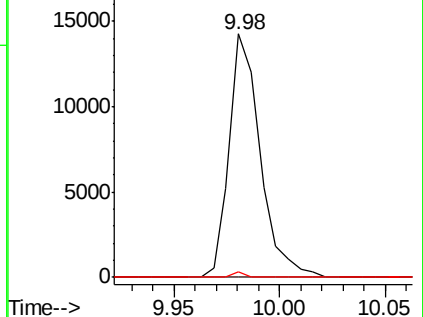
#51
 2,6-Dinitrotoluene
 Concen: 7.505 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. 0.21 min
 Lab File: BF110779.D
 Acq: 14 Nov 2018 22:01

Instrument :
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 CG-SOIL

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.9	73.3#
89	2.1	46.6	69.8#

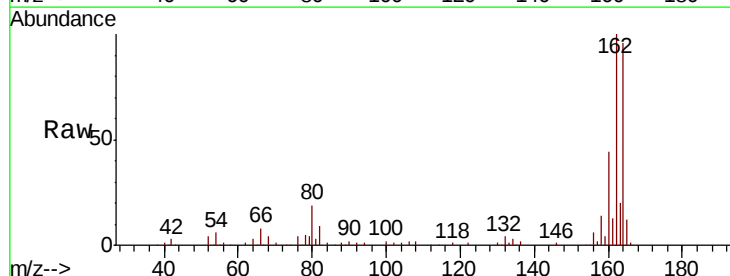


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

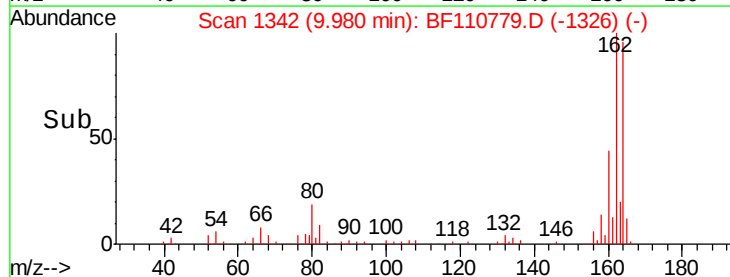
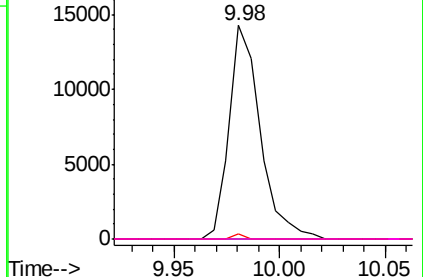


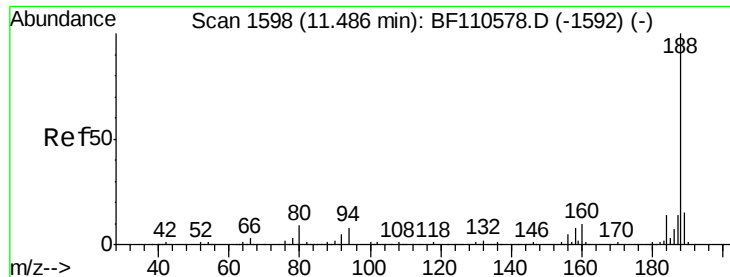
#57
 2,4-Dinitrotoluene
 Concen: 5.772 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. -0.21 min
 Lab File: BF110779.D
 Acq: 14 Nov 2018 22:01

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	2.1	62.2	93.4#
182	0.0	2.1	3.1#



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

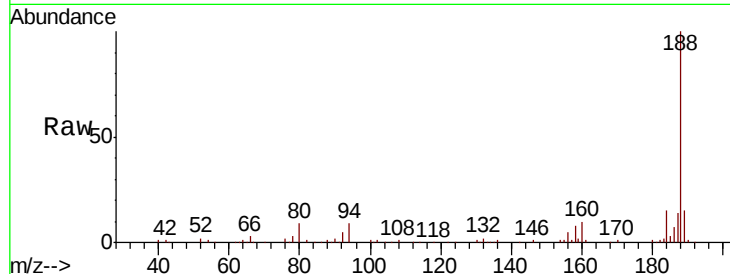




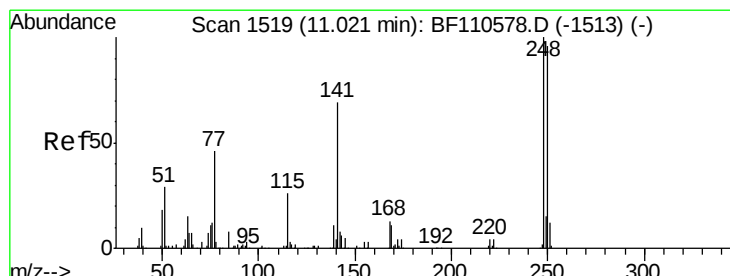
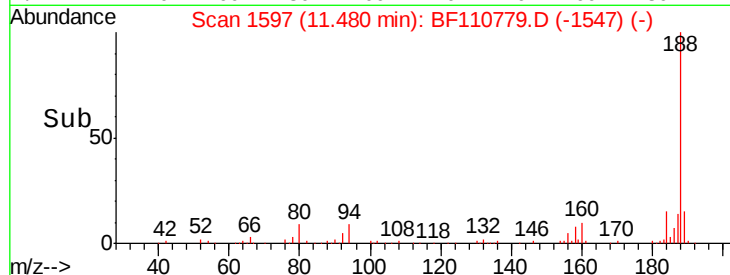
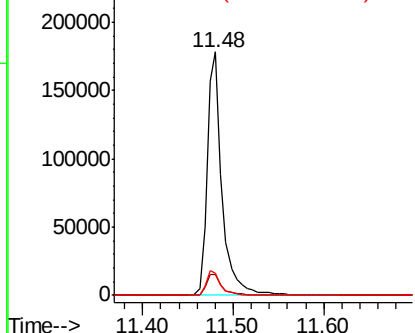
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF110779.D
 Acq: 14 Nov 2018 22:01

Instrument :
 BNA_F
 ClientSampleId :
 CG-SOIL

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.2	10.8
80	9.3	7.9	11.9

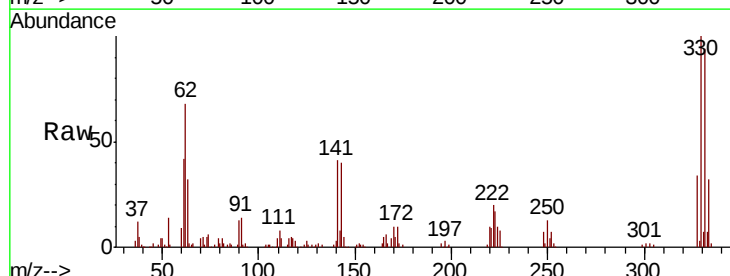


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

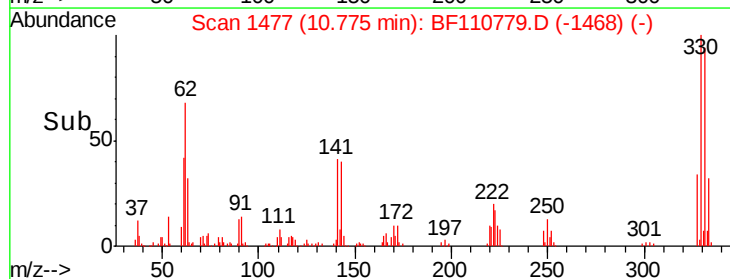
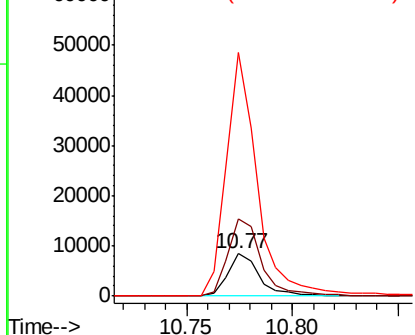


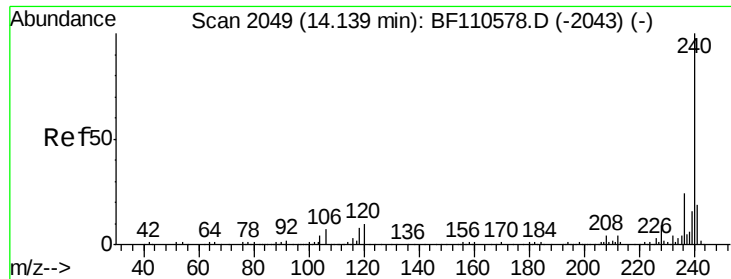
#67
 4-Bromophenyl-phenylether
 Concen: 3.906 ng
 RT: 10.77 min Scan# 1477
 Delta R.T. -0.25 min
 Lab File: BF110779.D
 Acq: 14 Nov 2018 22:01

Tgt Ion	Ratio	Lower	Upper
248	100		
250	182.0	79.4	119.2#
141	574.0	55.9	83.9#



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

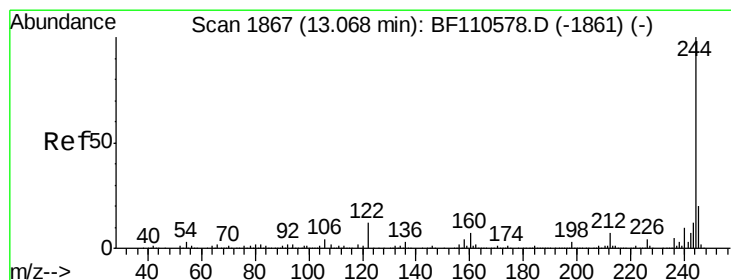
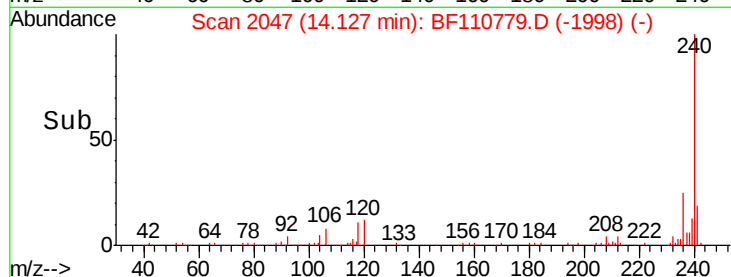
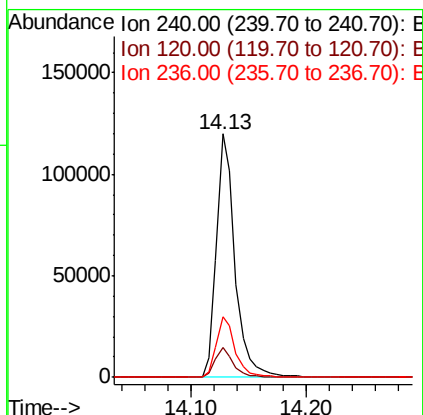
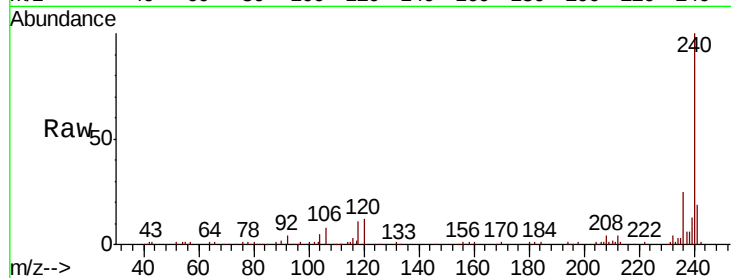




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BF110779.D
Acq: 14 Nov 2018 22:01

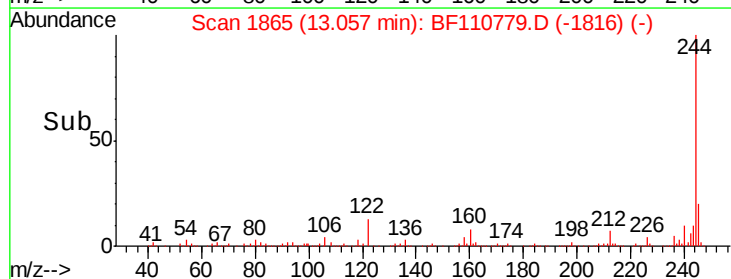
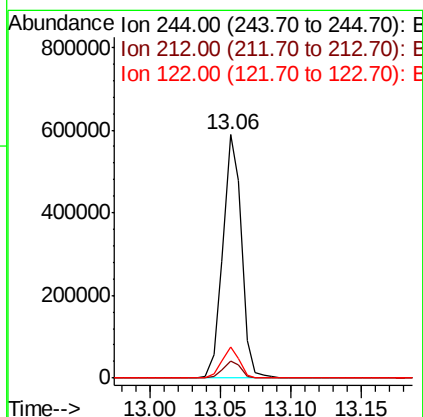
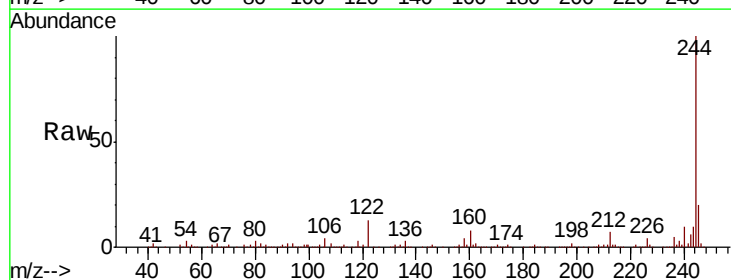
Instrument :
BNA_F
ClientSampleId :
CG-SOIL

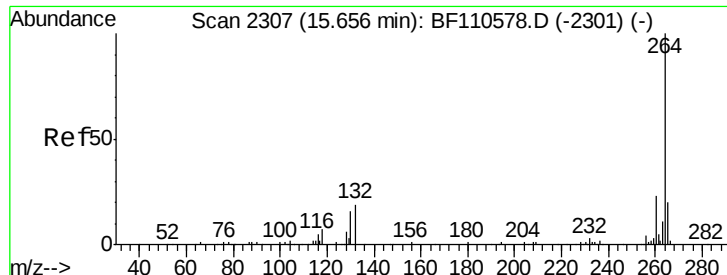
Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.4	8.3	12.5
236	24.6	21.2	31.8



#79
Terphenyl-d14
Concen: 75.948 ng
RT: 13.06 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BF110779.D
Acq: 14 Nov 2018 22:01

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	12.6	8.7	13.1





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BF110779.D
Acq: 14 Nov 2018 22:01

Instrument :
BNA_F
ClientSampleId :
CG-SOIL

Tgt Ion: 264 Resp: 125192

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	21.4	16.7	25.1

