

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 06:13:35 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

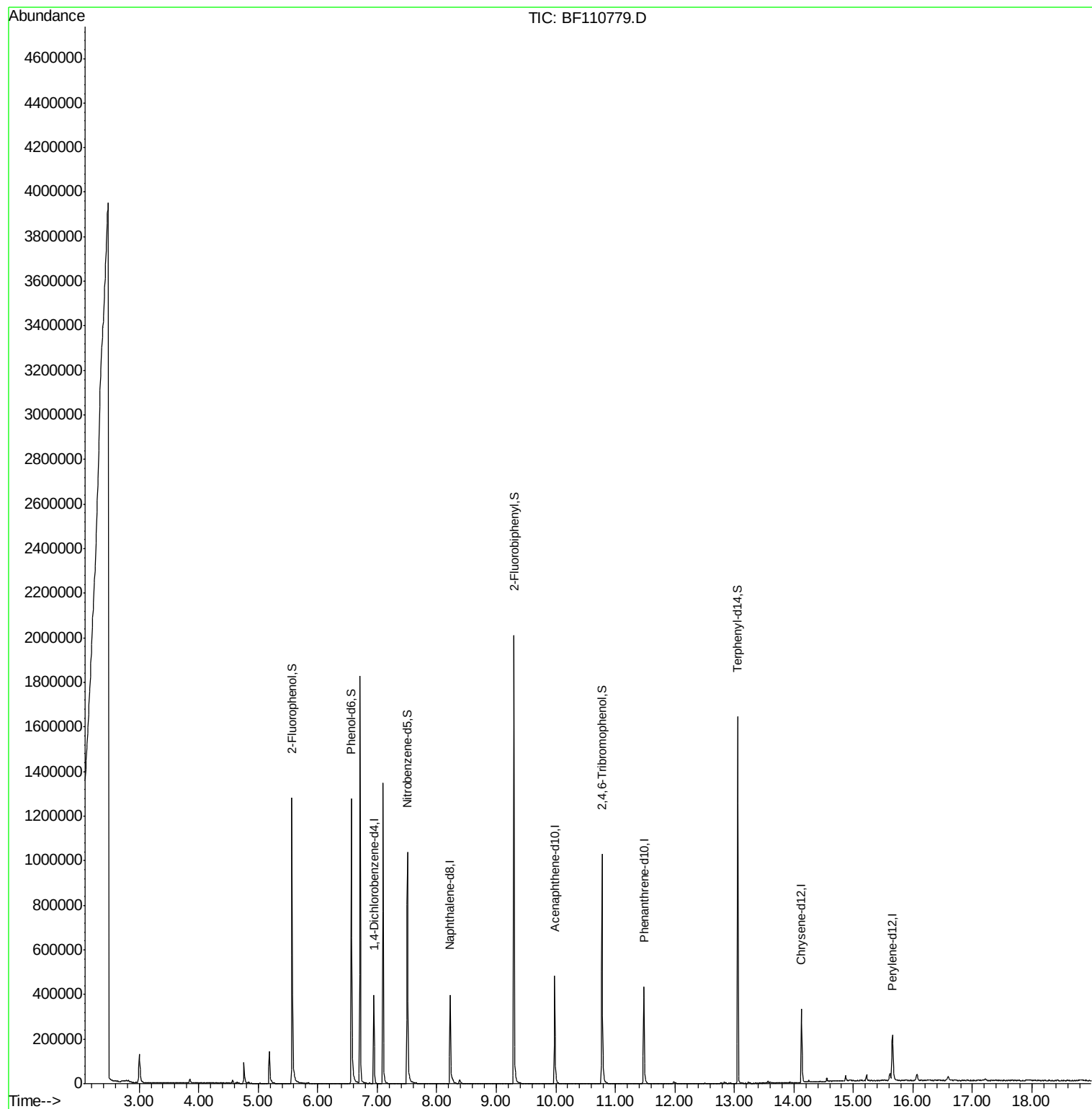
Target Compounds Qvalue

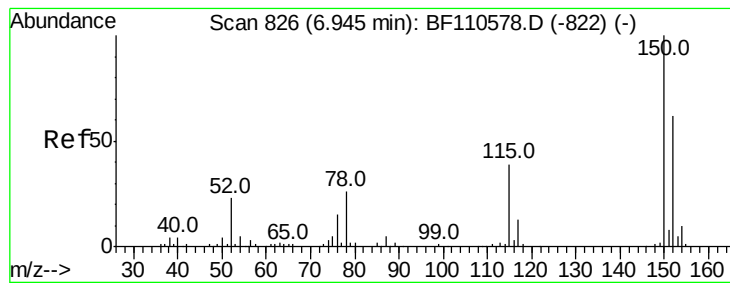
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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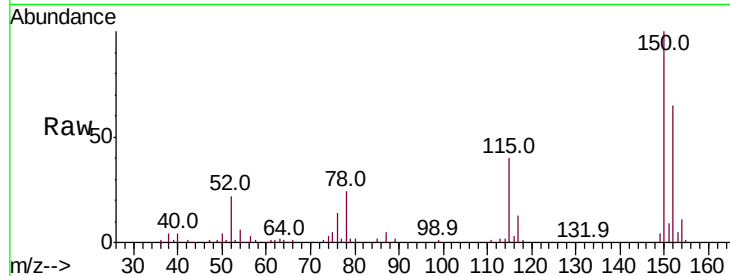


#1

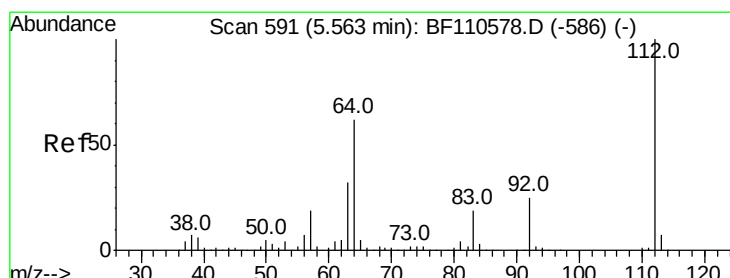
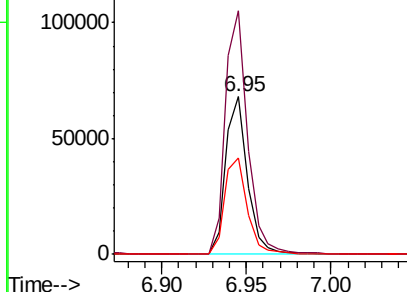
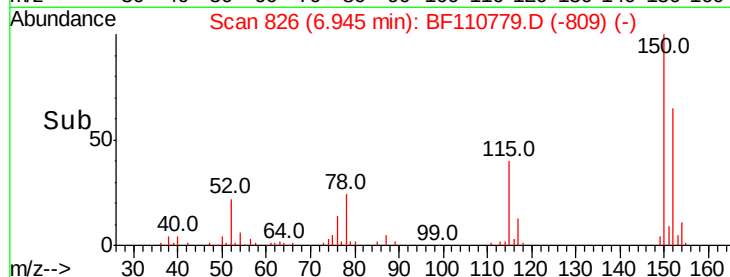
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: BF110779.D
 Acq: 14 Nov 2018 22:01

Instrument :
 BNA_F
 ClientSampled :
 CG-SOIL

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



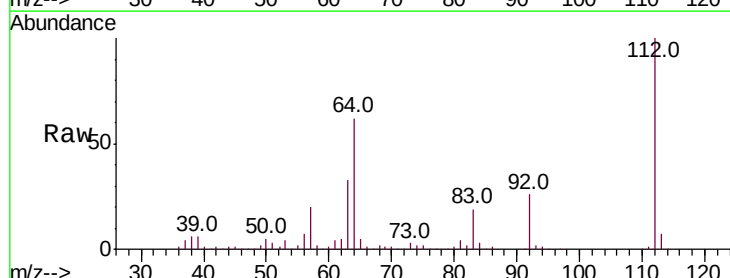
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



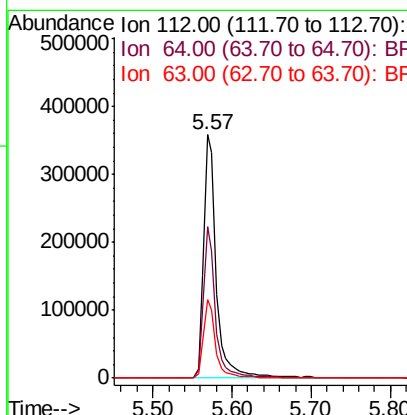
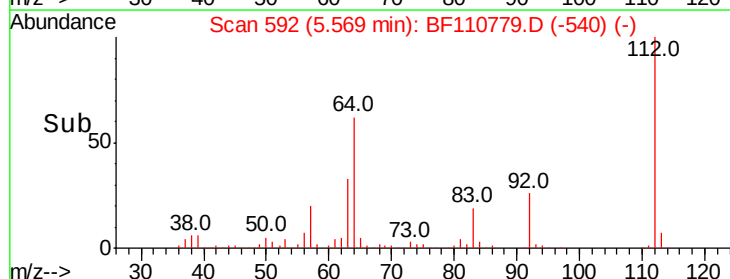
#5

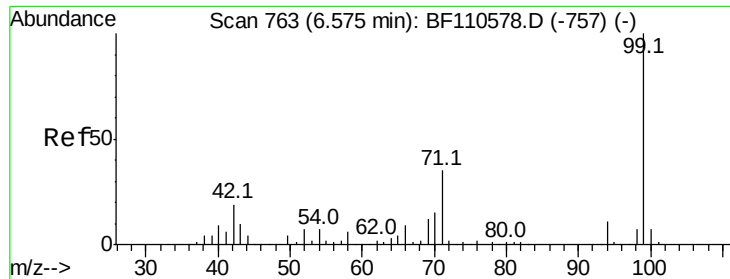
2-Fluorophenol
 Concen: 108.184 ng
 RT: 5.57 min Scan# 592
 Delta R.T. 0.01 min
 Lab File: BF110779.D
 Acq: 14 Nov 2018 22:01

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

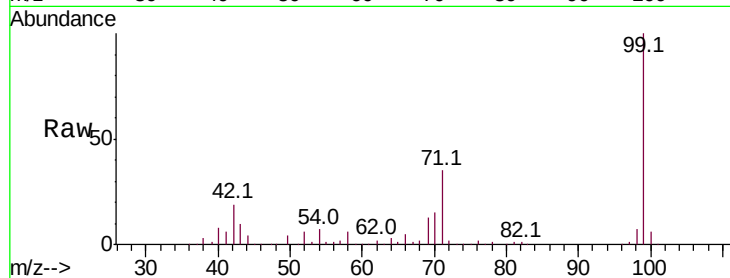
Tot Ion: 99 Resp: 458853

Ion Ratio Lower Upper

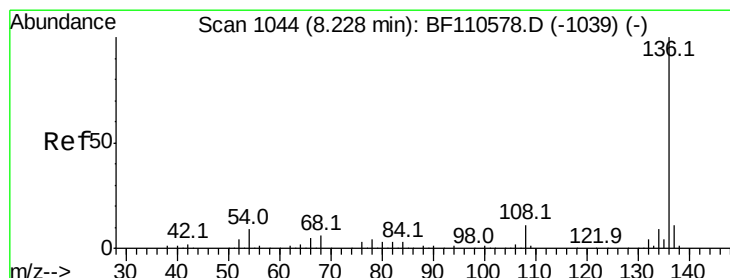
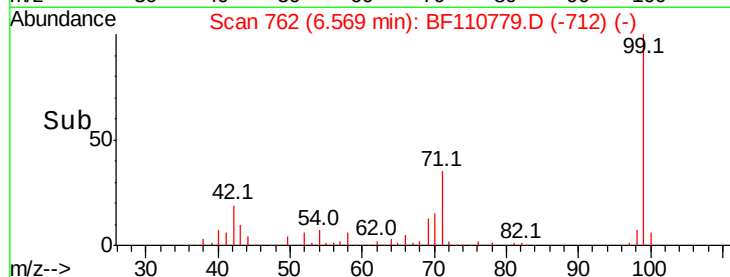
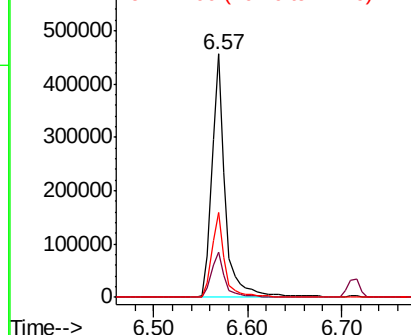
99 100

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



#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

Tgt Ion: 136 Resp: 253762

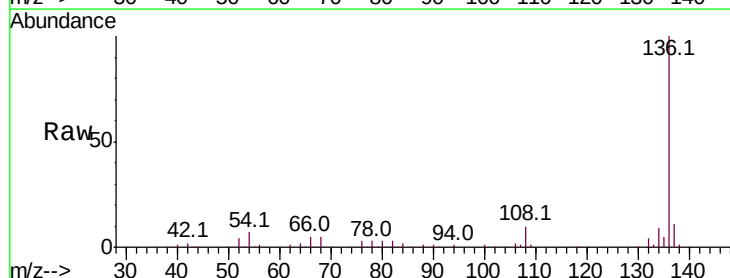
Ion Ratio Lower Upper

136 100

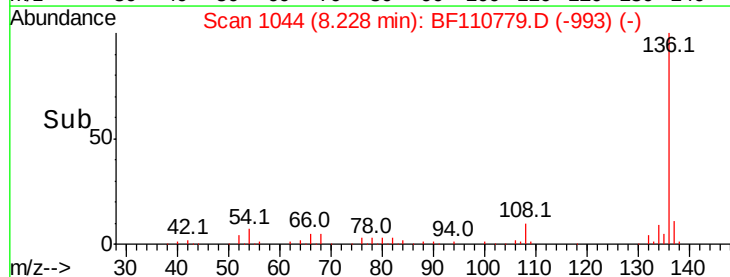
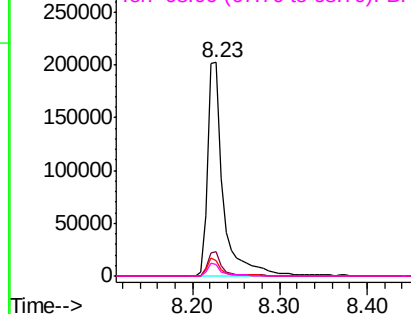
137 11.1 8.8 13.2

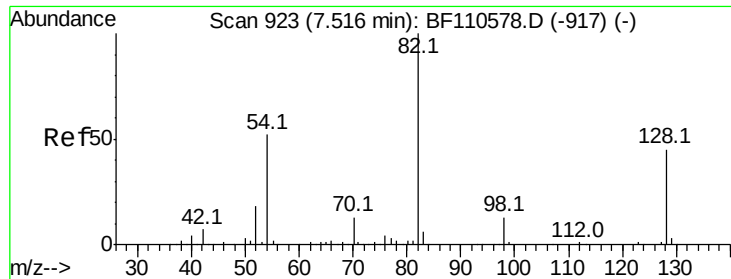
54 7.4 5.4 8.2

68 5.2 4.2 6.2



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

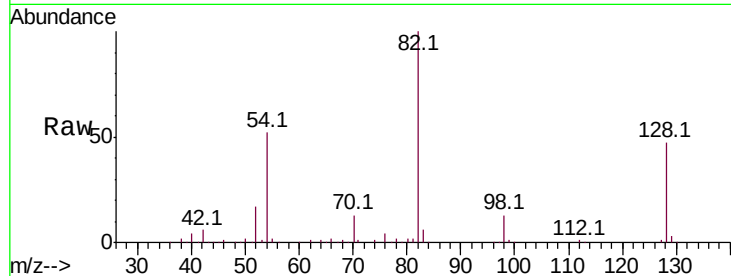




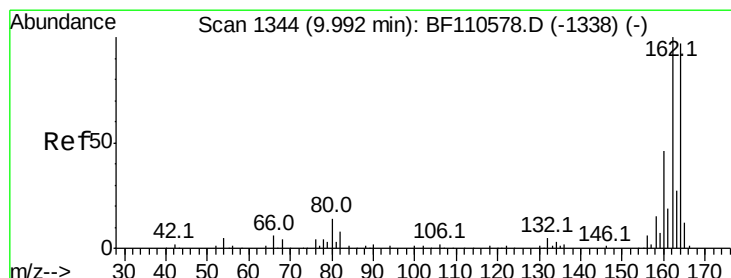
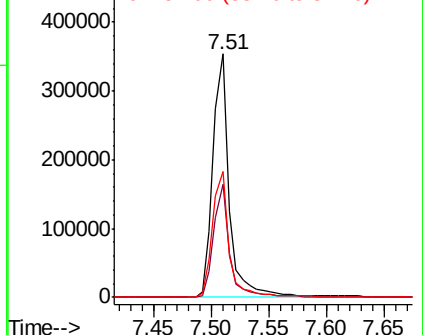
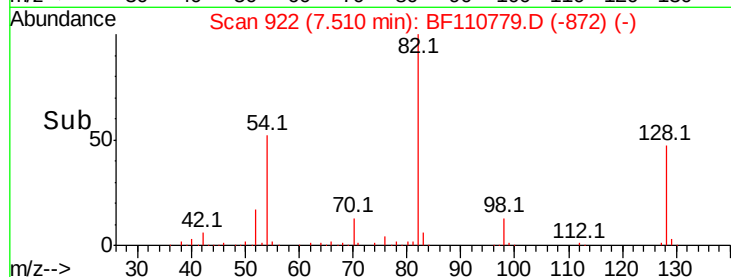
#23
Nitrobenzene-d5
Concen: 80.125 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF110779.D
Acq: 14 Nov 2018 22:01

Instrument :
BNA_F
ClientSampleId :
CG-SOIL

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

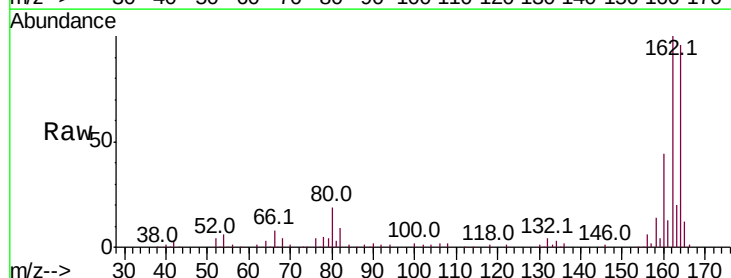


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

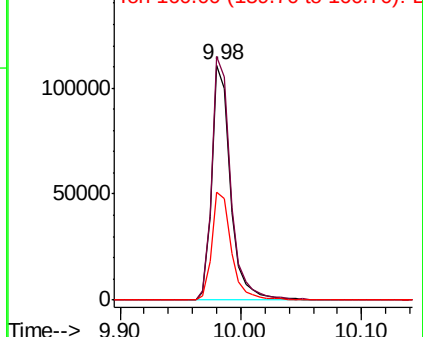
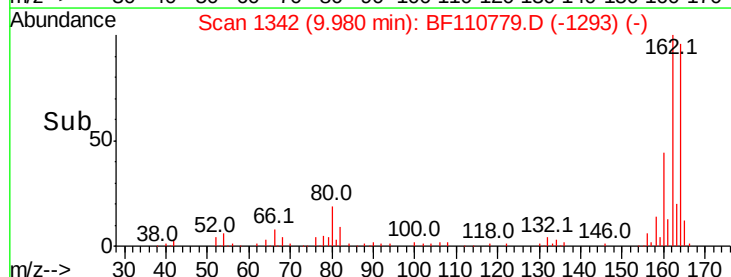


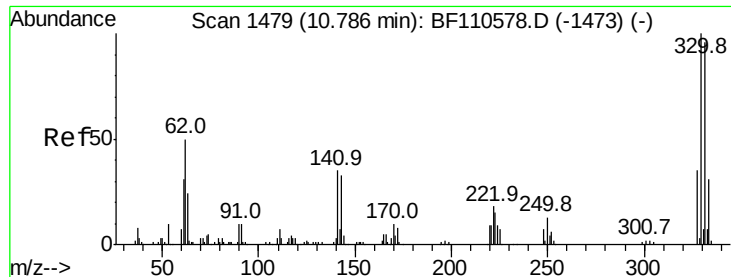
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF110779.D
Acq: 14 Nov 2018 22:01

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

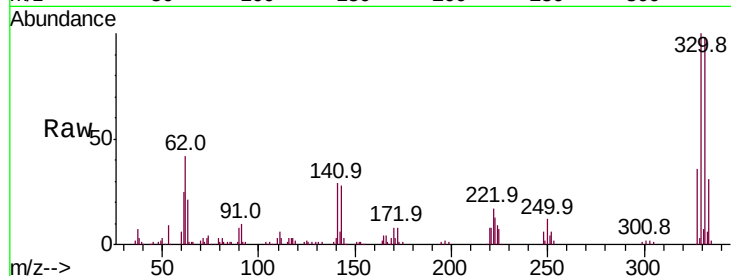




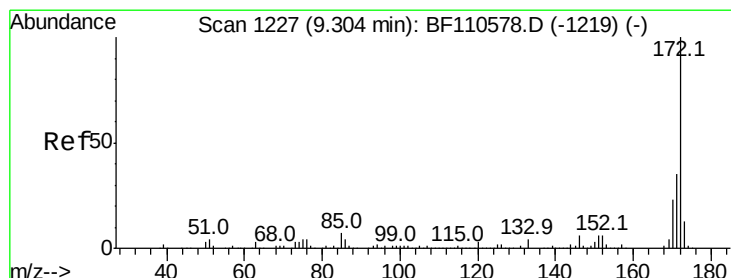
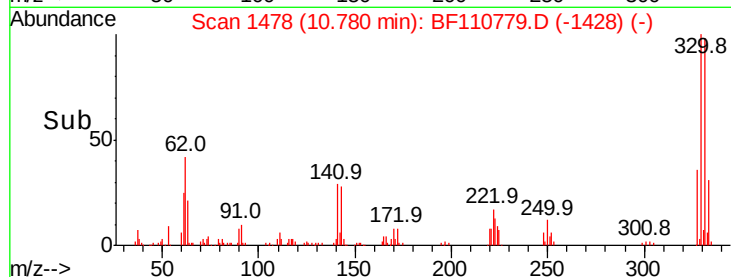
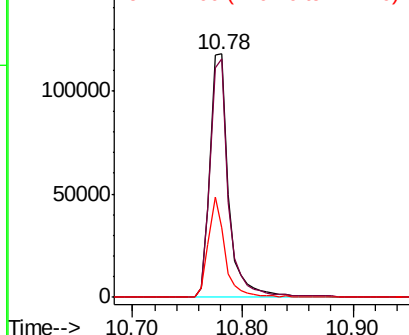
#42
 2,4,6-Tribromophenol
 Concen: 115.432 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: BF110779.D
 Acq: 14 Nov 2018 22:01

Instrument :
 BNA_F
 ClientSampleId :
 CG-SOIL

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

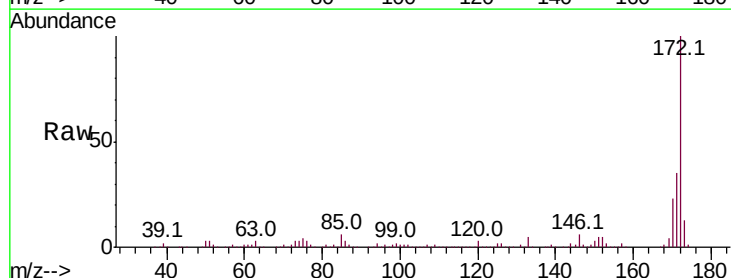


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

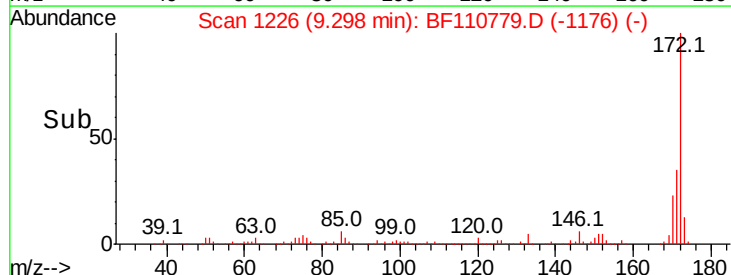
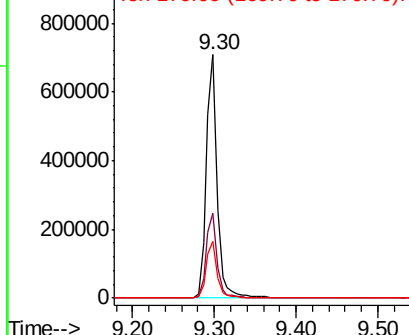


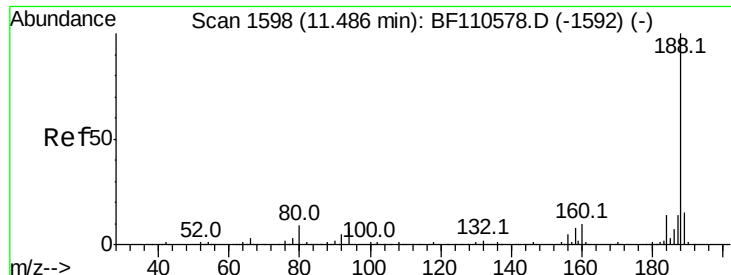
#45
 2-Fluorobiphenyl
 Concen: 79.314 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF110779.D
 Acq: 14 Nov 2018 22:01

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

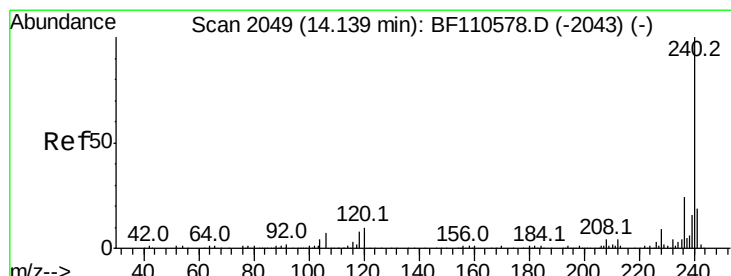
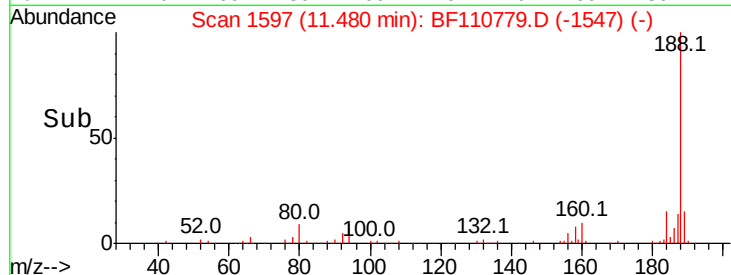
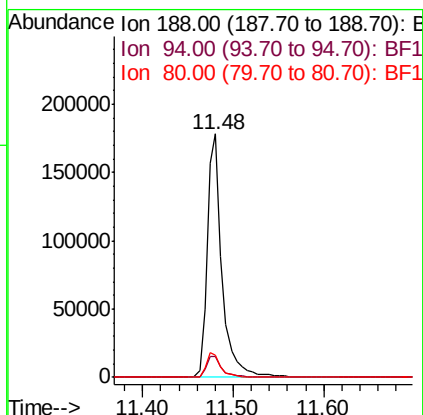
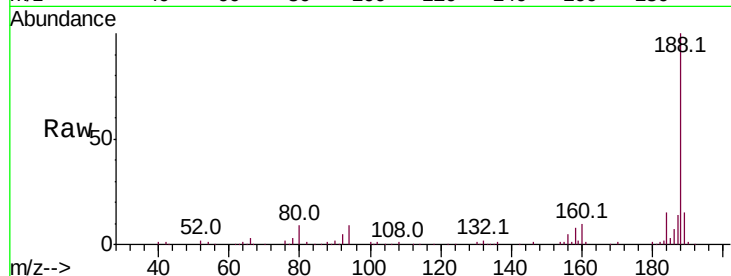




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF110779.D
Acq: 14 Nov 2018 22:01

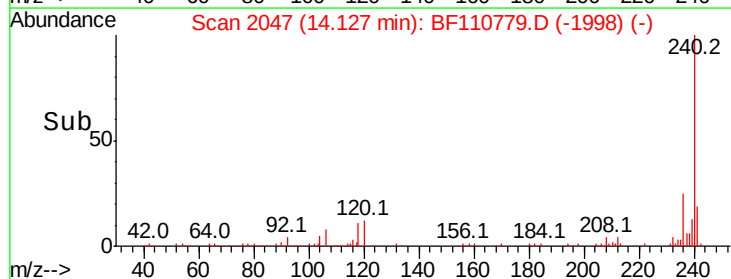
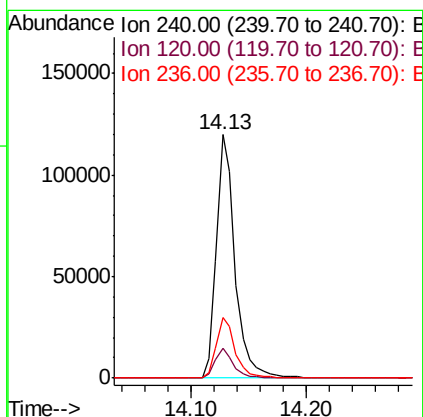
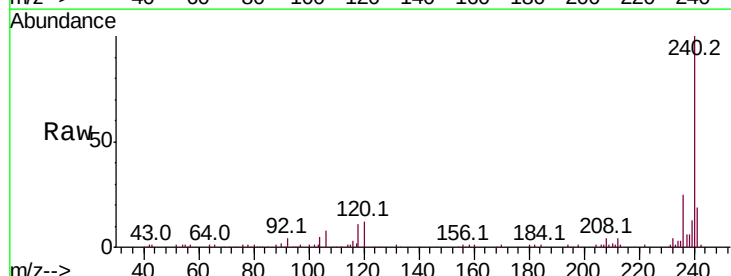
Instrument :
BNA_F
ClientSampleId :
CG-SOIL

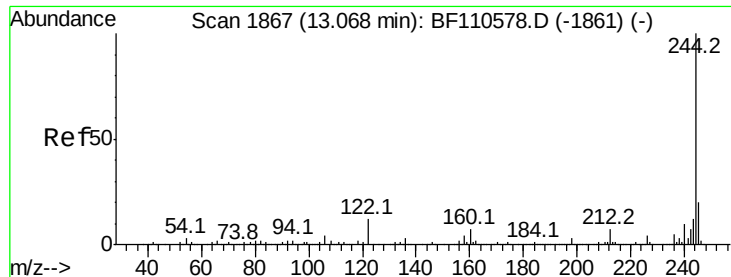
Tot Ion:188 Resp: 203937
Ion Ratio Lower Upper
188 100
94 8.5 7.2 10.8
80 9.3 7.9 11.9



#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

Tgt Ion:240 Resp: 133694
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

Instrument :

BNA_F

ClientSampleId :

CG-SOIL

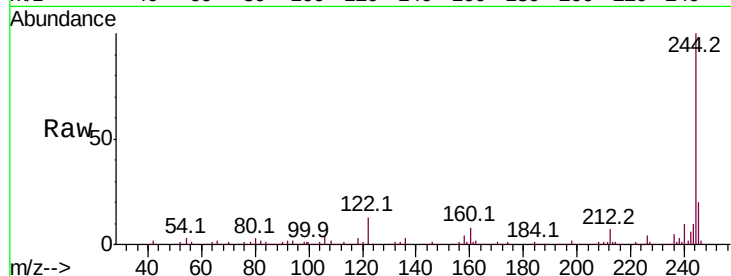
Tot Ion:244 Resp: 542183

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

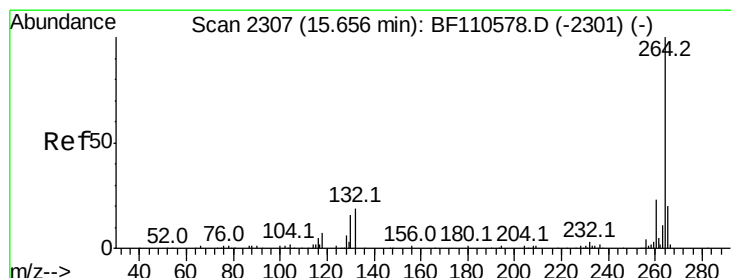
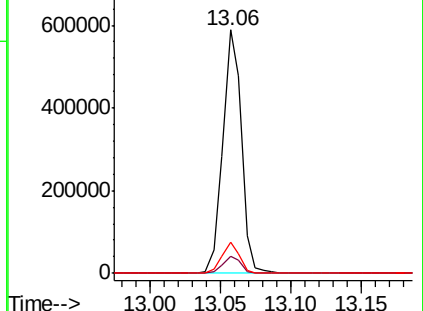
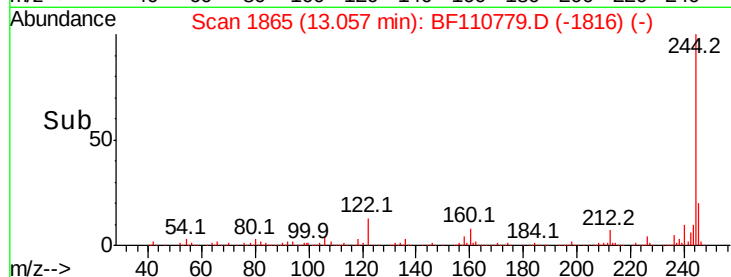
122 12.6 8.7 13.1



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: 15.66 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BF110779.D

Acq: 14 Nov 2018 22:01

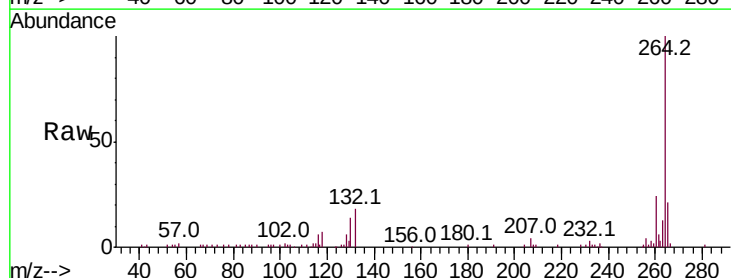
Tgt Ion:264 Resp: 125192

Ion Ratio Lower Upper

264 100

260 23.9 18.7 28.1

265 21.4 16.7 25.1



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

