

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040918\
 Data File : BF104394.D
 Acq On : 10 Apr 2018 1:52
 Operator : JU/SJ
 Sample : J2283-02
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS

Quant Time: Apr 10 03:39:22 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 06 16:44:53 2018
 Response via : Initial Calibration

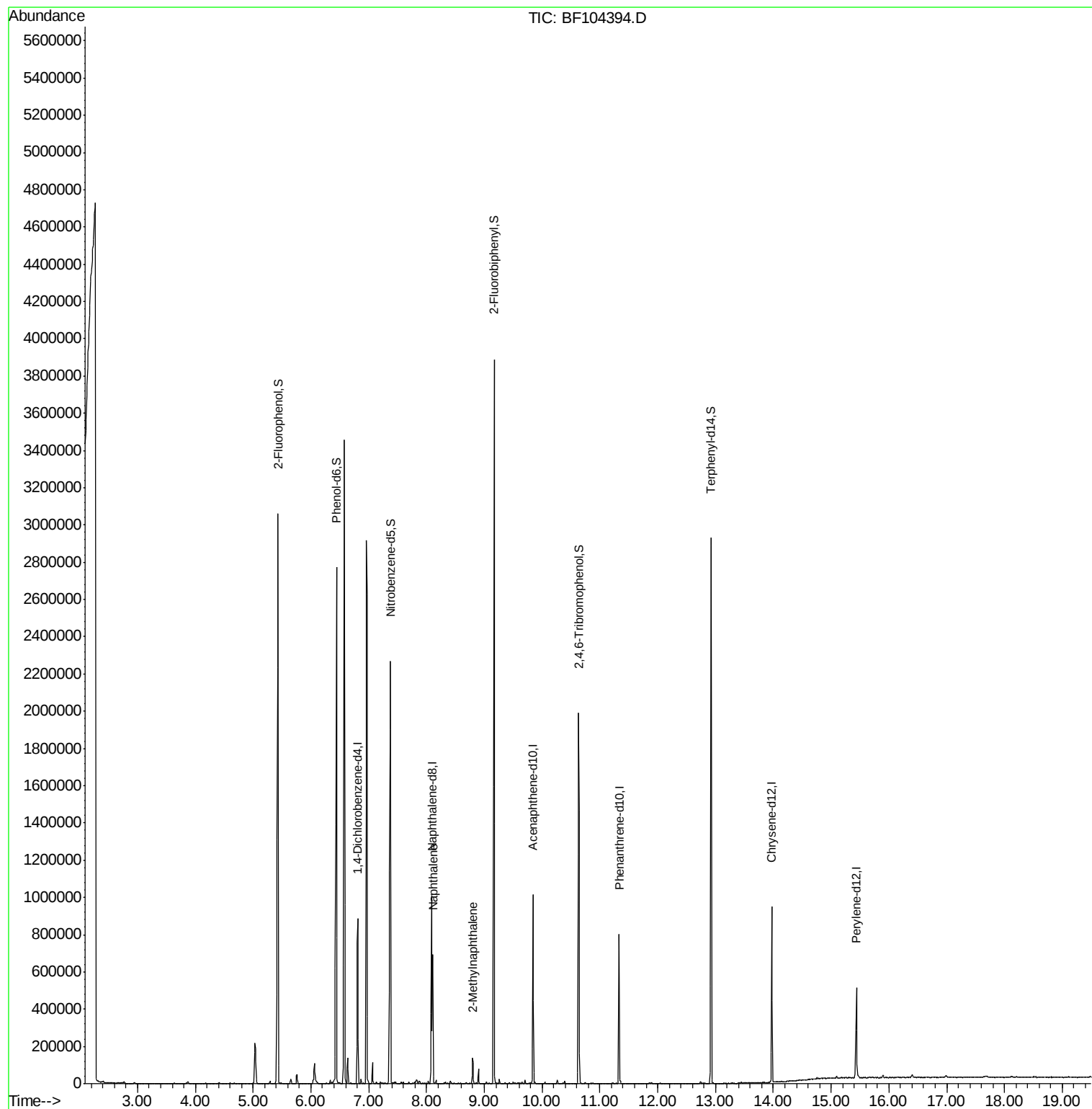
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	126011	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	480586	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	185111	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	280069	20.00	ng	0.00
75) Chrysene-d12	13.97	240	279853	20.00	ng	0.00
86) Perylene-d12	15.44	264	207851	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	998043	121.11	ng	0.02
7) Phenol-d6	6.44	99	1054444	104.14	ng	0.01
23) Nitrobenzene-d5	7.37	82	797874	108.41	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	251390	130.92	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1281226	109.34	ng	0.00
78) Terphenyl-d14	12.93	244	1093271	89.06	ng	0.00
Target Compounds						
31) Naphthalene	8.11	128	261021	10.907	ng	100
37) 2-Methylnaphthalene	8.80	142	35745	2.309	ng	99

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

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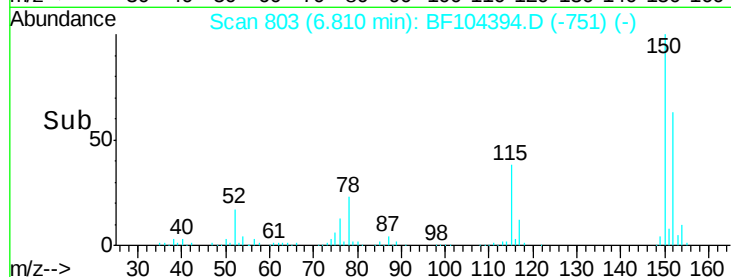
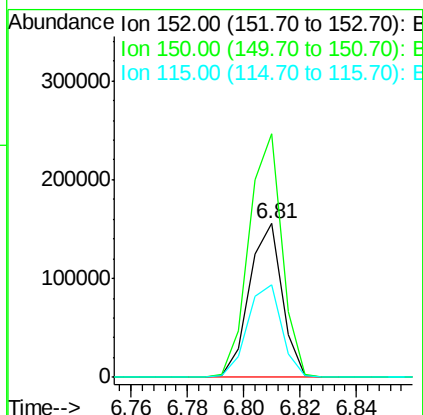
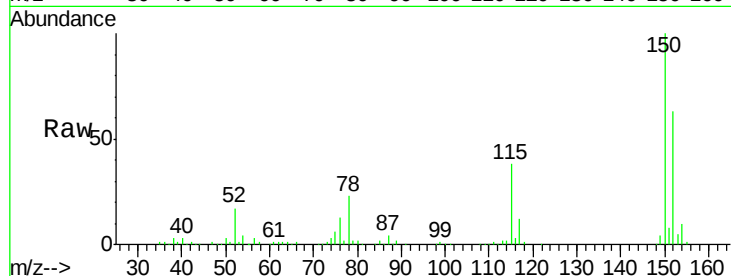


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF104394.D
Acq: 10 Apr 2018 1:52

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS

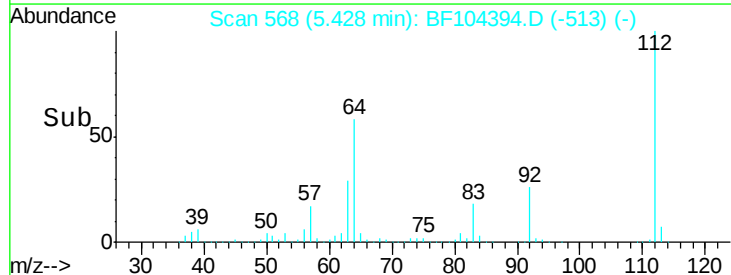
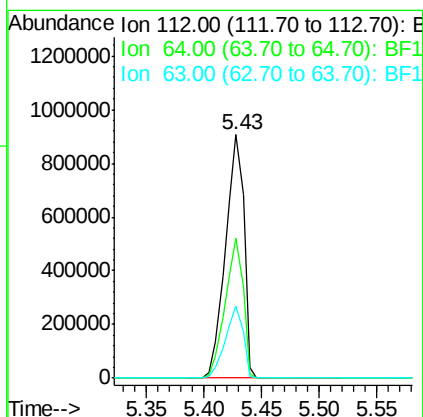
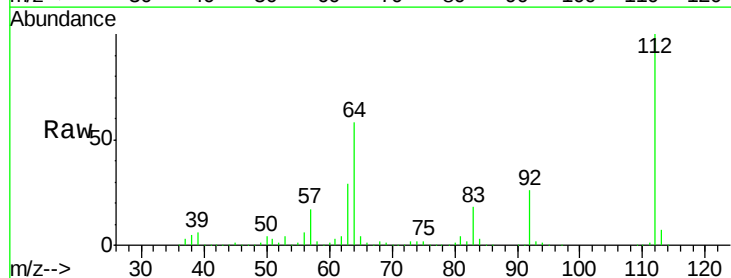
Tot Ion:152 Resp: 126011
Ion Ratio Lower Upper
152 100
150 158.4 124.6 186.8
115 60.0 50.1 75.1



#5

2-Fluorophenol
Concen: 121.106 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.02 min
Lab File: BF104394.D
Acq: 10 Apr 2018 1:52

Tgt Ion:112 Resp: 998043
Ion Ratio Lower Upper
112 100
64 57.7 47.9 71.9
63 29.4 23.7 35.5





#7

Phenol-d6

Concen: 104.136 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF104394.D

Acq: 10 Apr 2018 1:52

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS

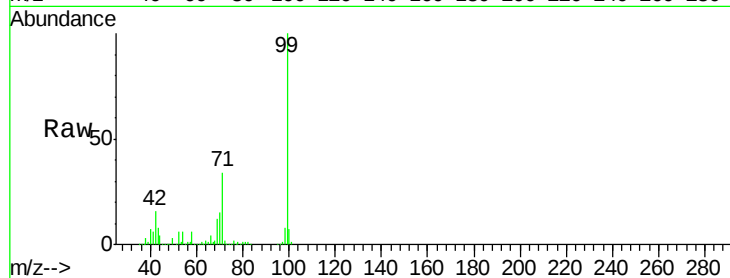
Tot Ion: 99 Resp: 1054444

Ion Ratio Lower Upper

99 100

42 16.4 14.5 21.7

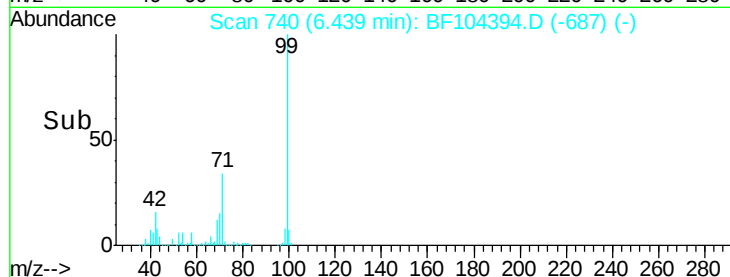
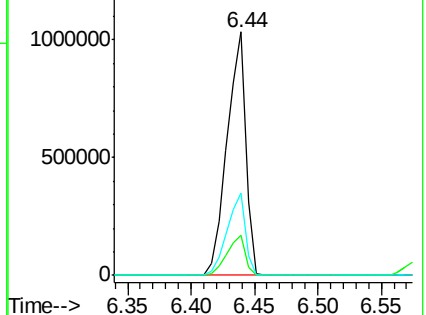
71 33.8 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. 0.01 min

Lab File: BF104394.D

Acq: 10 Apr 2018 1:52

Tgt Ion: 136 Resp: 480586

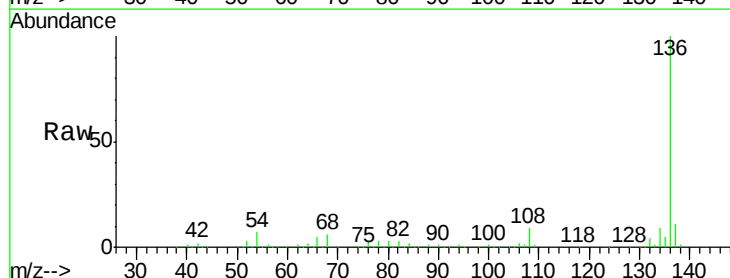
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 6.6 6.6 9.8

68 5.6 5.0 7.4

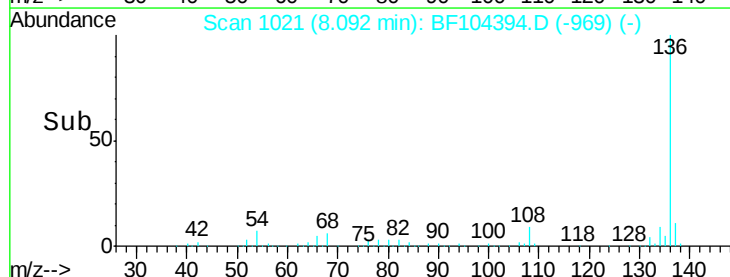
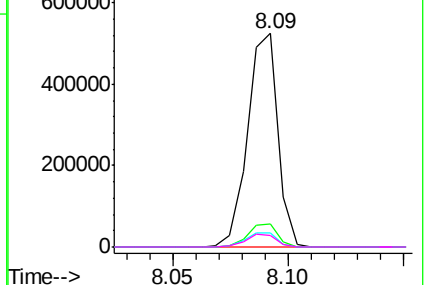


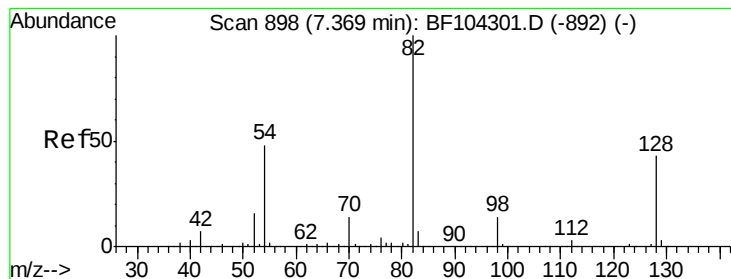
Abundance Ion 136.00 (135.70 to 136.70): E

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: 108.409 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.01 min

Lab File: BF104394.D

Acq: 10 Apr 2018 1:52

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS

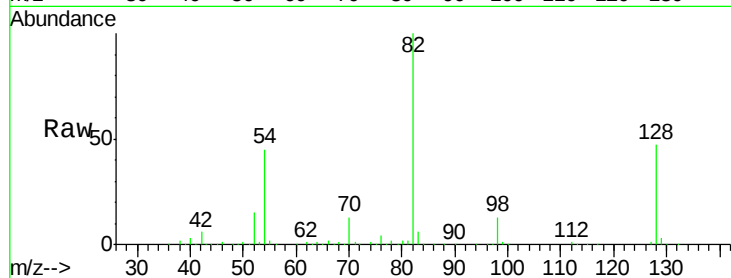
Tot Ion: 82 Resp: 797874

Ion Ratio Lower Upper

82 100

128 47.0 36.1 54.1

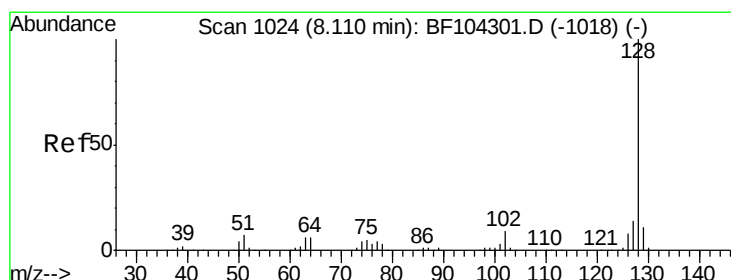
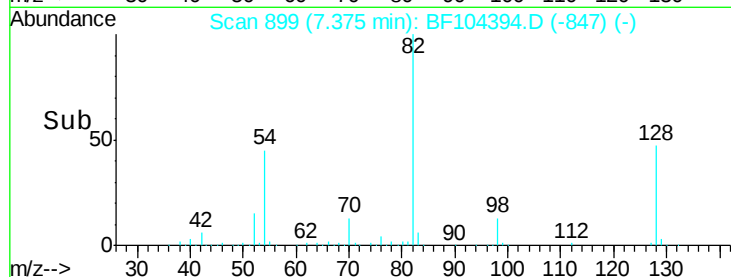
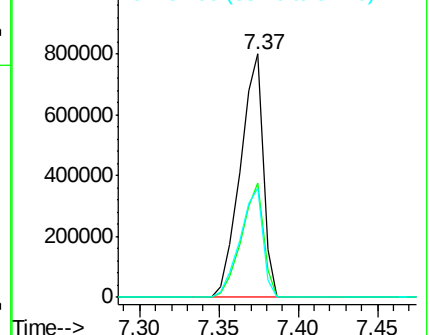
54 45.0 41.4 62.2



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



#31

Naphthalene

Concen: 10.907 ng

RT: 8.11 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BF104394.D

Acq: 10 Apr 2018 1:52

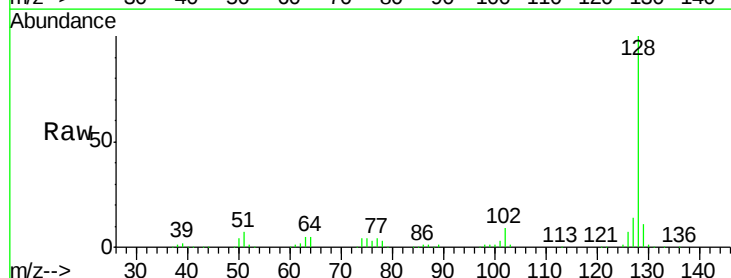
Tgt Ion: 128 Resp: 261021

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

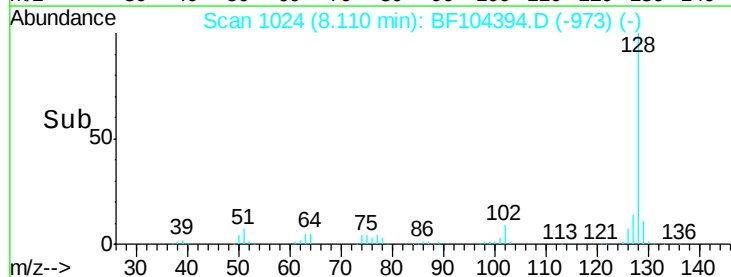
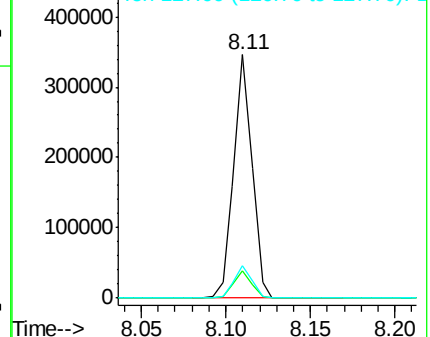
127 13.5 10.9 16.3

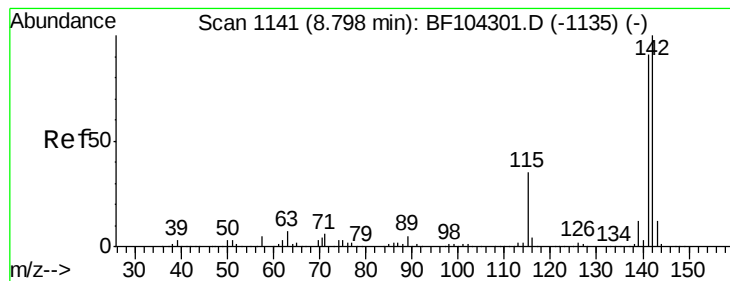


Abundance Ion 128.00 (127.70 to 128.70): BF1

Ion 129.00 (128.70 to 129.70): BF1

Ion 127.00 (126.70 to 127.70): BF1

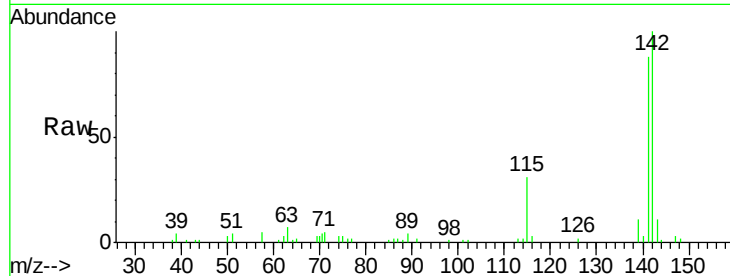




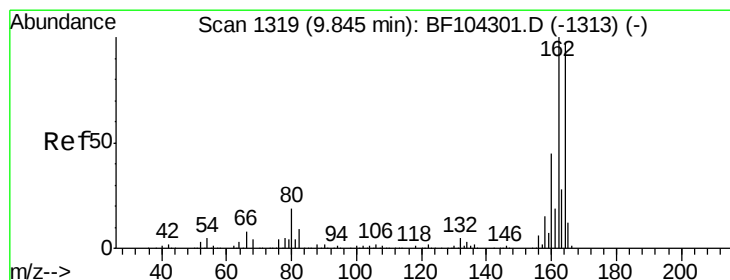
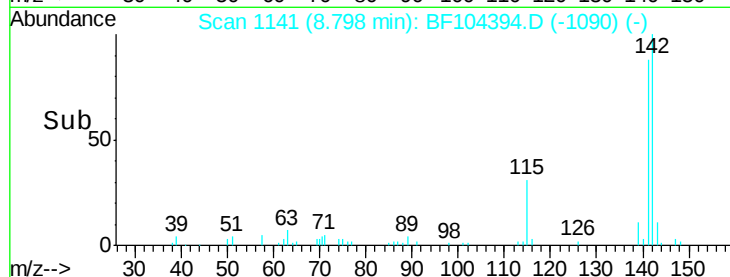
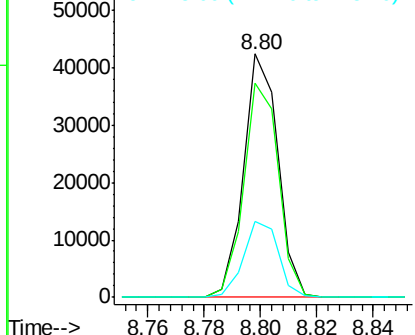
#37
 2-Methylnaphthalene
 Concen: 2.309 ng
 RT: 8.80 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: BF104394.D
 Acq: 10 Apr 2018 1:52

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS

Tot Ion:142 Resp: 35745
 Ion Ratio Lower Upper
 142 100
 141 87.9 70.8 106.2
 115 31.2 26.1 39.1

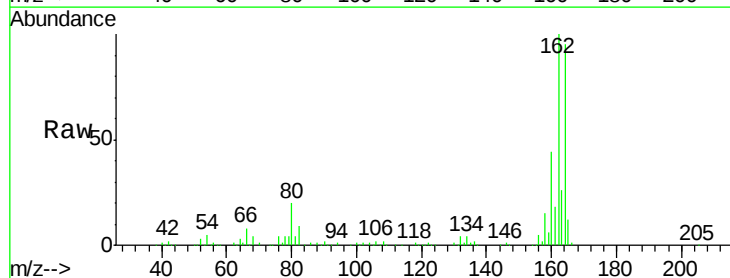


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

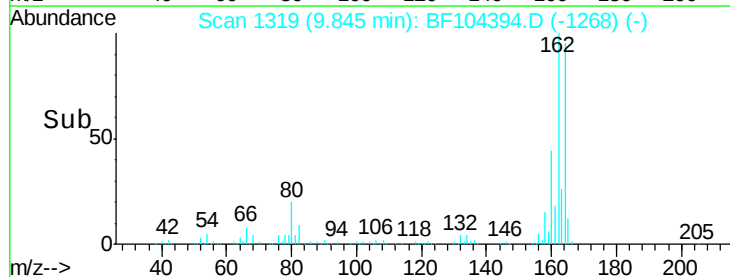
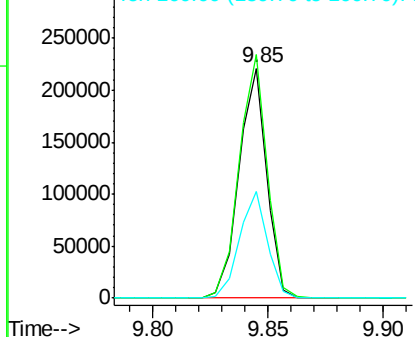


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: BF104394.D
 Acq: 10 Apr 2018 1:52

Tgt Ion:164 Resp: 185111
 Ion Ratio Lower Upper
 164 100
 162 105.8 86.1 129.1
 160 46.5 38.3 57.5



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

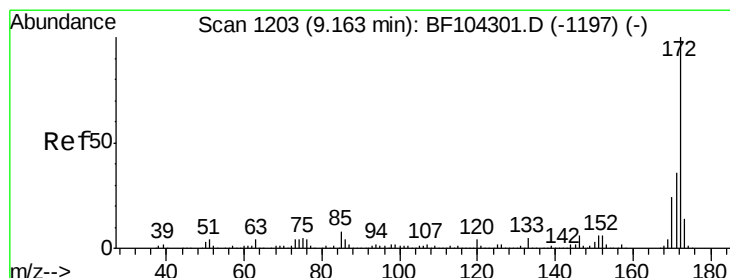
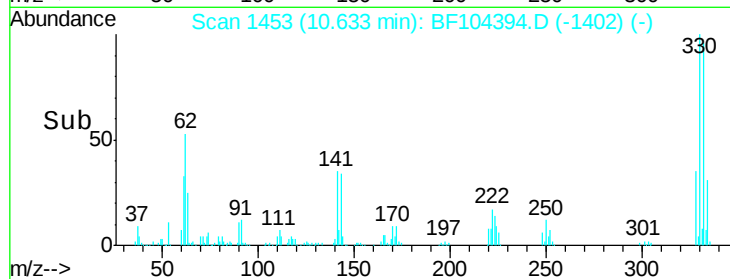
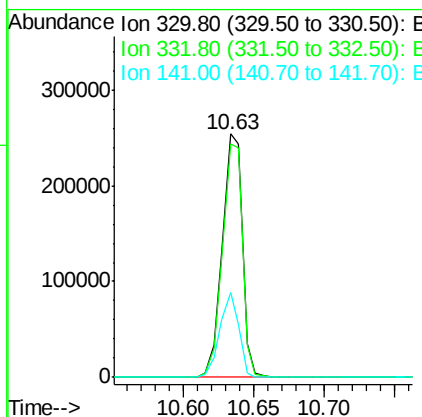
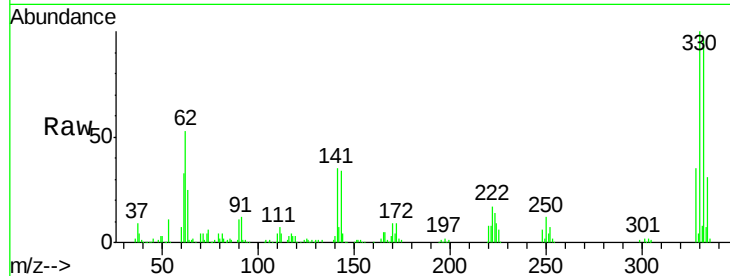




#41
 2,4,6-Tribromophenol
 Concen: 130.918 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.00 min
 Lab File: BF104394.D
 Acq: 10 Apr 2018 1:52

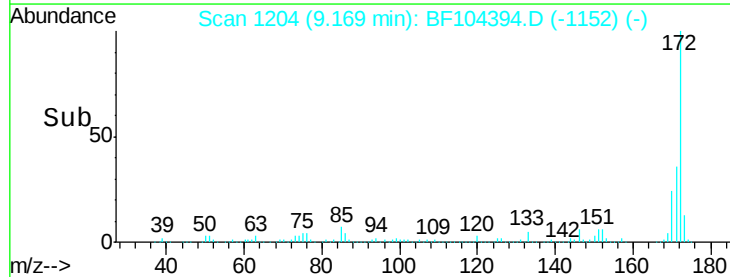
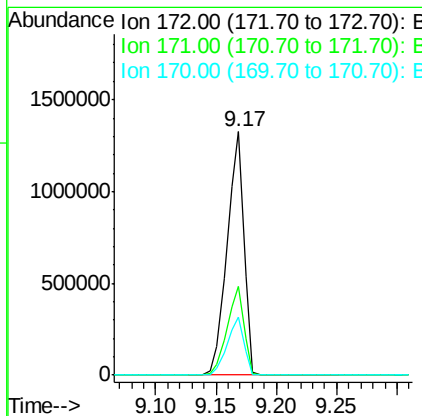
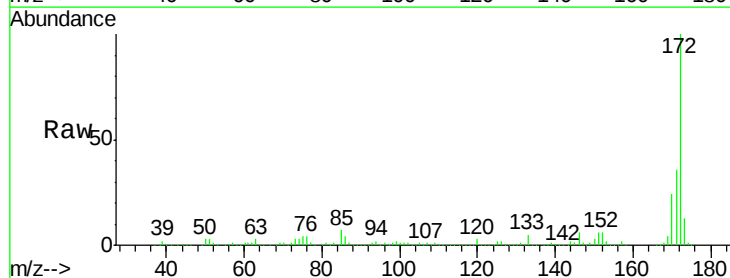
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	32.9	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 109.341 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. 0.01 min
 Lab File: BF104394.D
 Acq: 10 Apr 2018 1:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.0	19.6	29.4

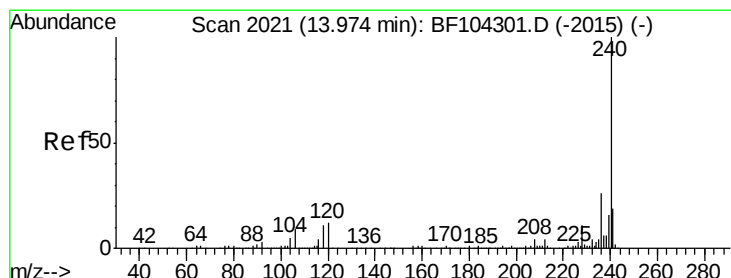
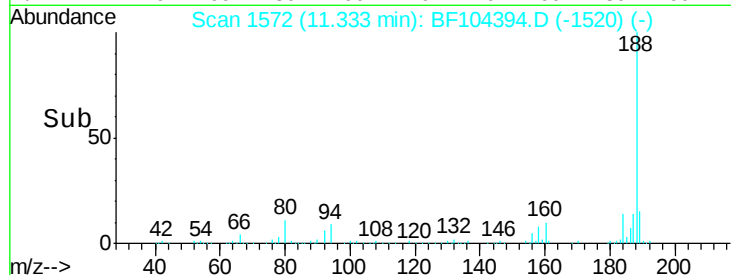
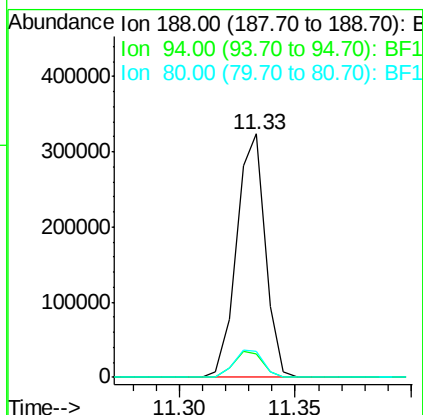
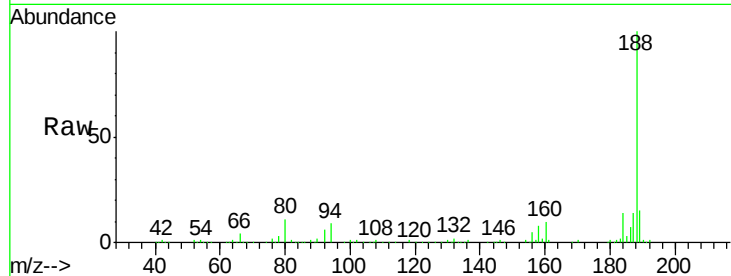




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.01 min
Lab File: BF104394.D
Acq: 10 Apr 2018 1:52

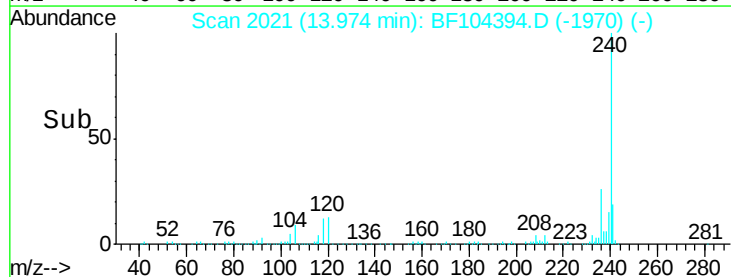
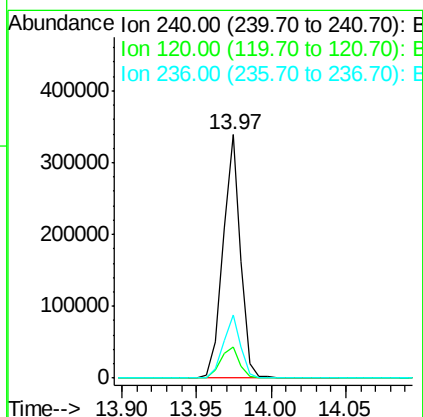
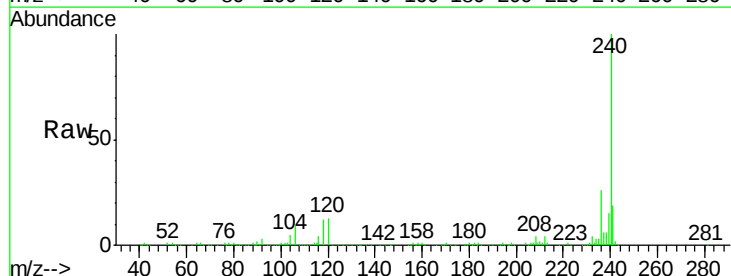
Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS

Tot Ion:188 Resp: 280069
Ion Ratio Lower Upper
188 100
94 9.5 8.5 12.7
80 10.9 9.2 13.8



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BF104394.D
Acq: 10 Apr 2018 1:52

Tgt Ion:240 Resp: 279853
Ion Ratio Lower Upper
240 100
120 12.9 9.5 14.3
236 26.0 20.7 31.1

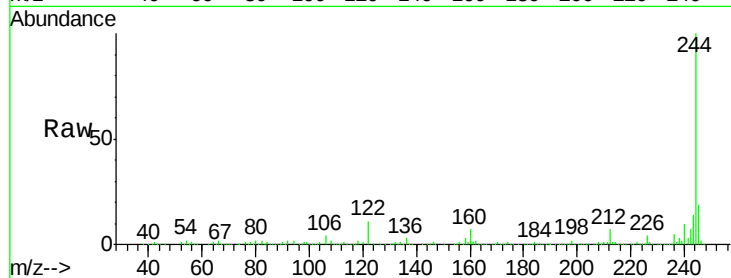




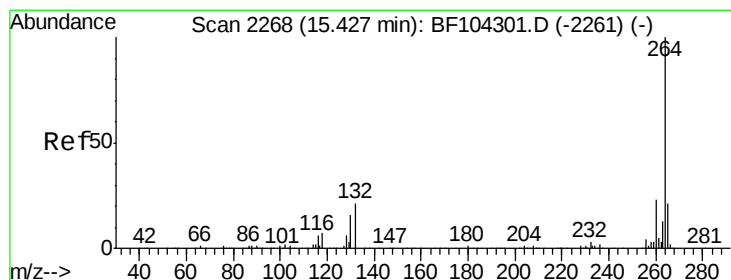
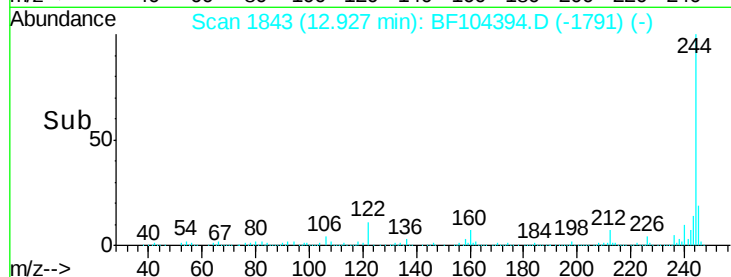
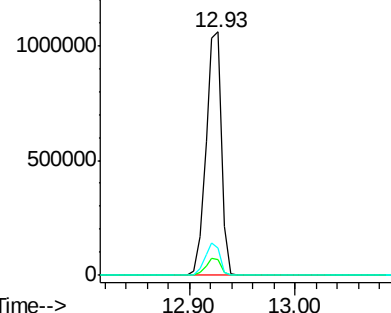
#78
 Terphenyl-d14
 Concen: 89.064 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. 0.01 min
 Lab File: BF104394.D
 Acq: 10 Apr 2018 1:52

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS

Tot Ion:244 Resp: 1093271
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 11.5 11.0 16.4

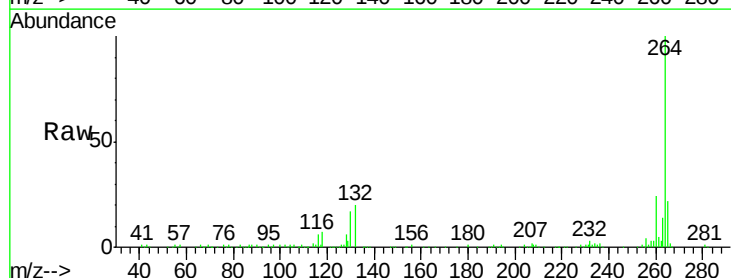


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: BF104394.D
 Acq: 10 Apr 2018 1:52

Tgt Ion:264 Resp: 207851
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.2 28.8
 265 21.8 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

