

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050818\
 Data File : BF105183.D
 Acq On : 9 May 2018 9:08
 Operator : JU/SJ
 Sample : J2754-04
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL-PILE-1A

Quant Time: May 09 12:20:03 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 09 12:00:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	224852	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	908447	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	449026	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	887603	20.00	ng	0.00
75) Chrysene-d12	14.00	240	740586	20.00	ng	0.01
86) Perylene-d12	15.56	264	611740	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1636440	119.90	ng	0.02
7) Phenol-d6	6.42	99	1832641	112.77	ng	0.00
23) Nitrobenzene-d5	7.36	82	1461739	109.05	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	734122	148.19	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	2623624	90.69	ng	0.00
78) Terphenyl-d14	12.92	244	2728485	85.58	ng	0.01

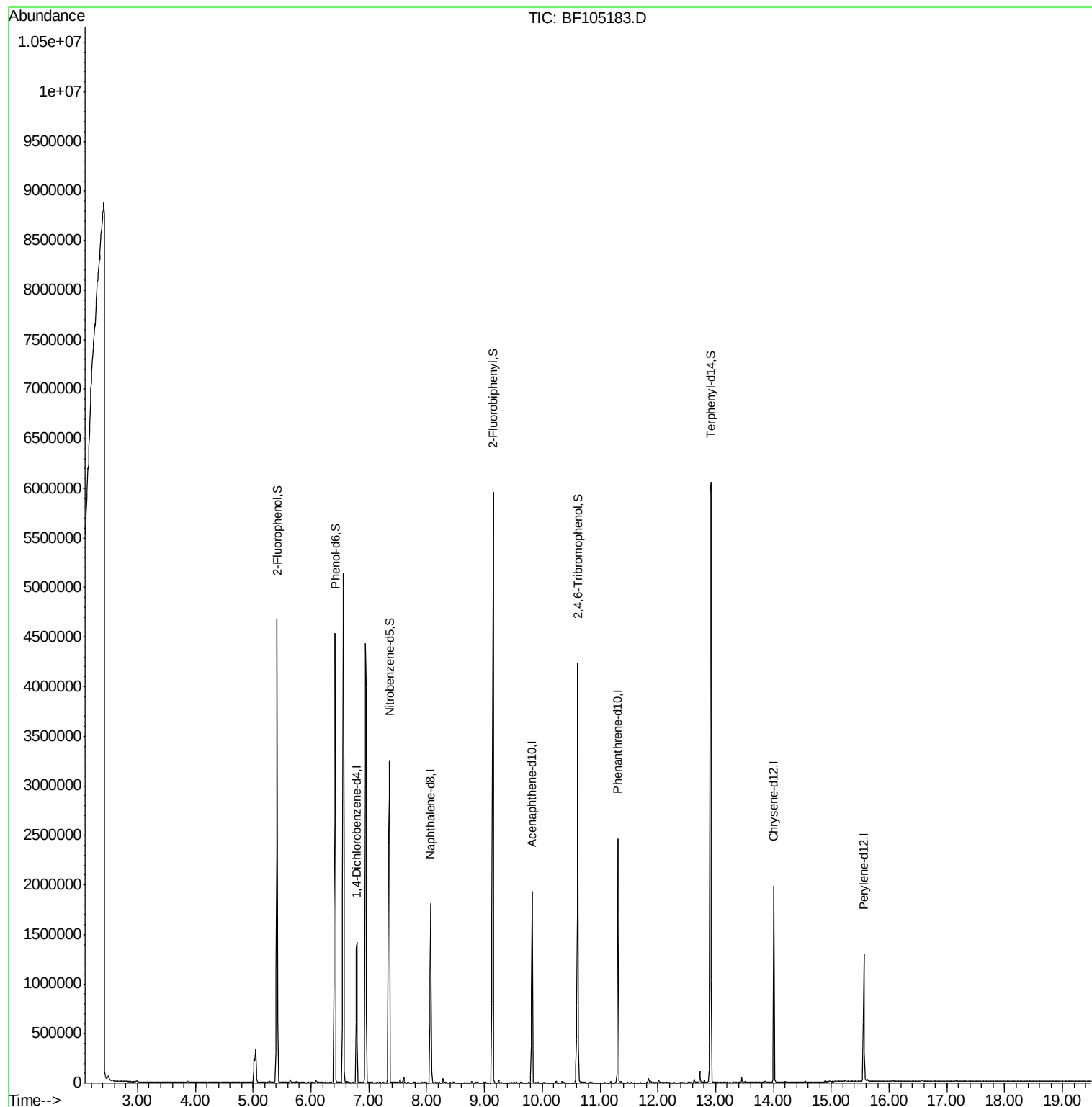
Target Compounds Qvalue

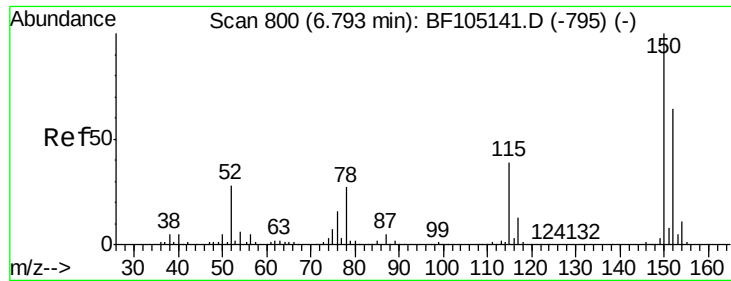
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. 0.00 min

Lab File: BF105183.D

Acq: 9 May 2018 9:08

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-PILE-1A

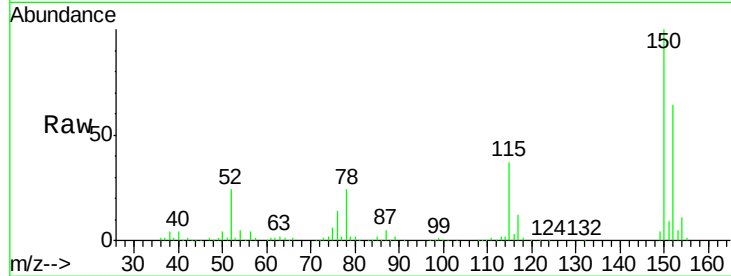
Tot Ion:152 Resp: 224852

Ion Ratio Lower Upper

152 100

150 156.0 124.6 186.8

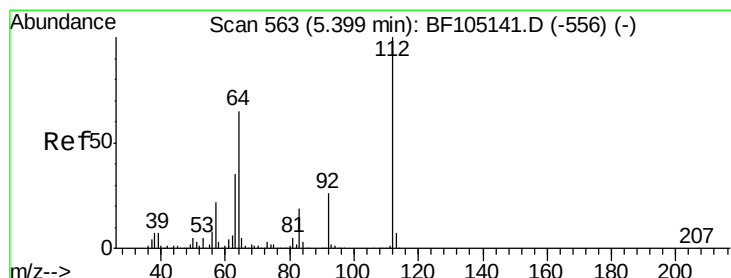
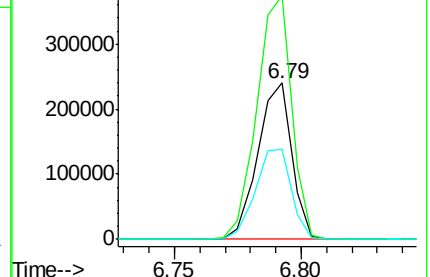
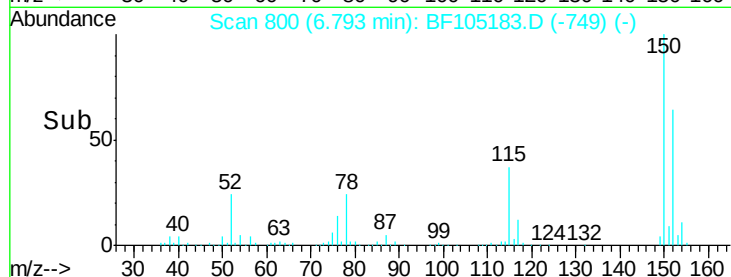
115 57.9 50.1 75.1



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: 119.898 ng

RT: 5.42 min Scan# 567

Delta R.T. 0.02 min

Lab File: BF105183.D

Acq: 9 May 2018 9:08

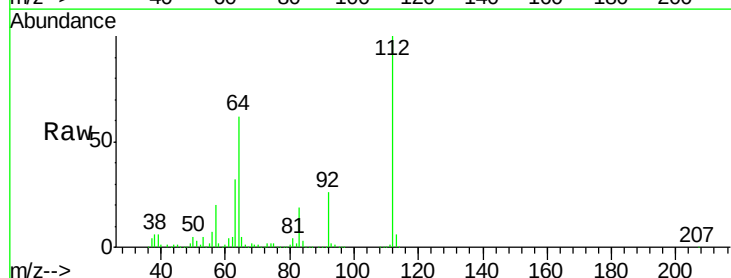
Tgt Ion:112 Resp: 1636440

Ion Ratio Lower Upper

112 100

64 62.5 47.9 71.9

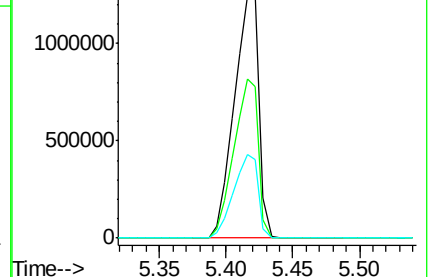
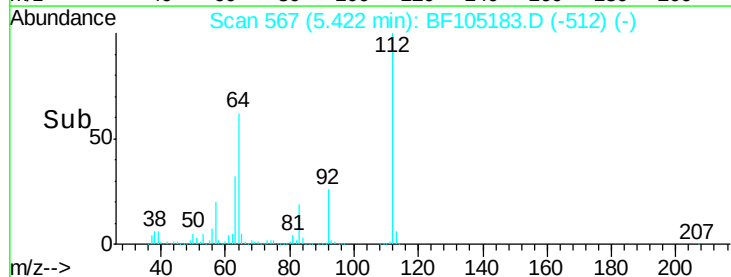
63 32.4 23.7 35.5

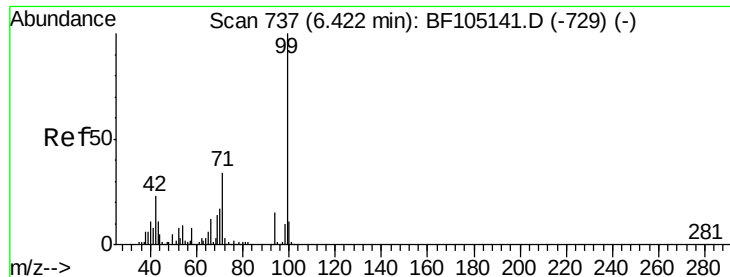


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 112.768 ng

RT: 6.42 min Scan# 737

Delta R.T. 0.00 min

Lab File: BF105183.D

Acq: 9 May 2018 9:08

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-PILE-1A

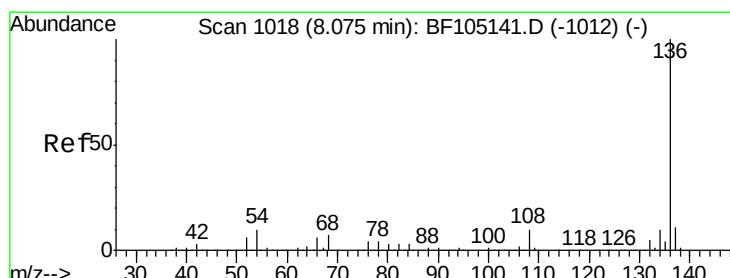
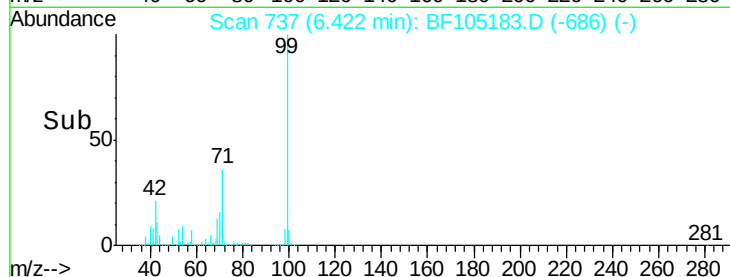
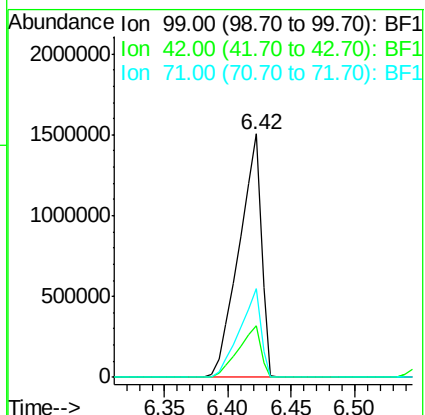
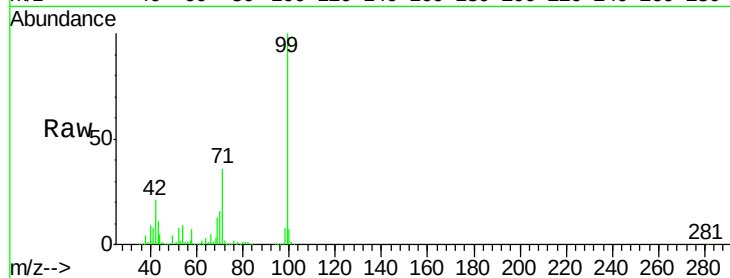
Tot Ion: 99 Resp: 1832641

Ion Ratio Lower Upper

99 100

42 21.4 14.5 21.7

71 36.2 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF105183.D

Acq: 9 May 2018 9:08

Tgt Ion: 136 Resp: 908447

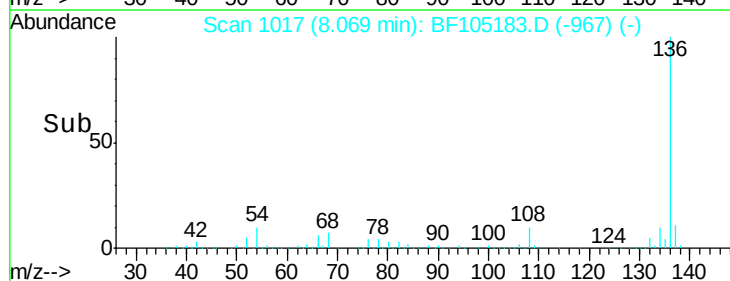
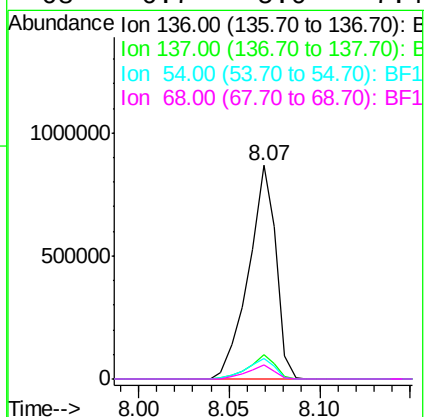
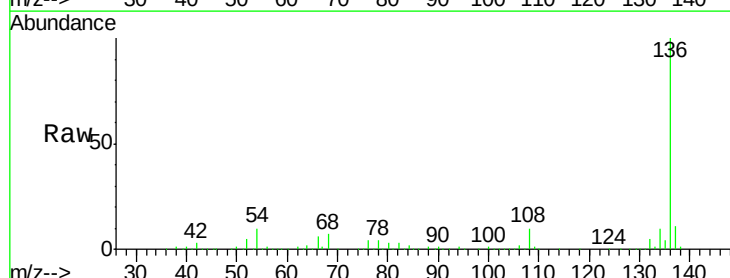
Ion Ratio Lower Upper

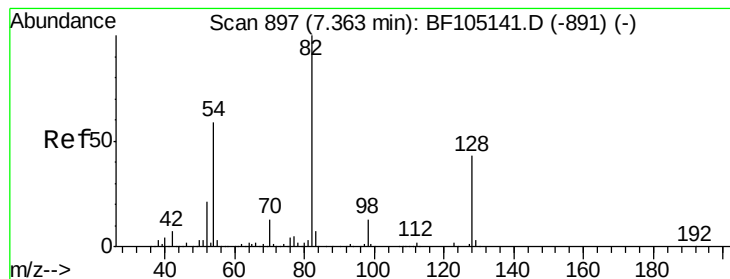
136 100

137 11.1 8.9 13.3

54 9.7 6.6 9.8

68 6.7 5.0 7.4





#23

Nitrobenzene-d5

Concen: 109.051 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF105183.D

Acq: 9 May 2018 9:08

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-PILE-1A

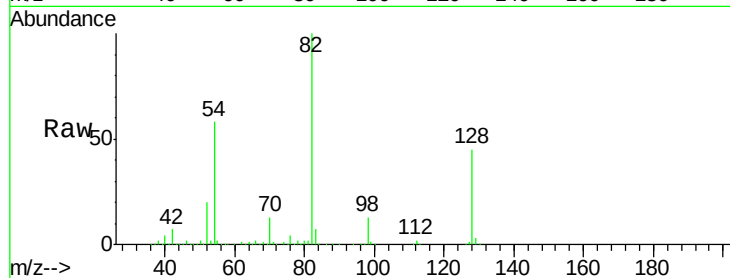
Tot Ion: 82 Resp: 1461739

Ion Ratio Lower Upper

82 100

128 44.6 36.1 54.1

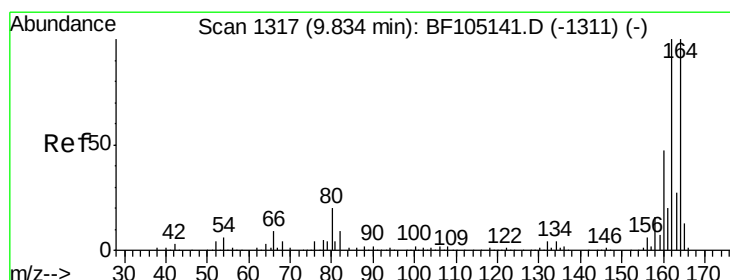
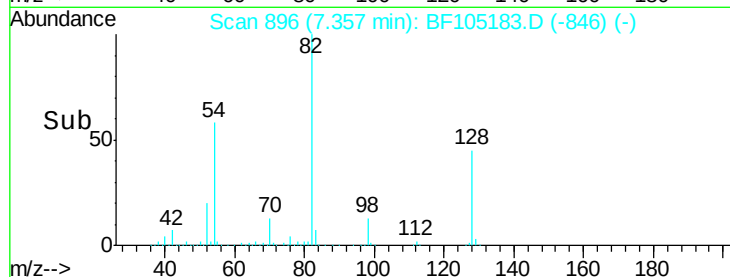
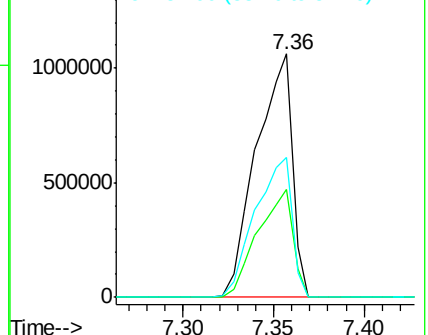
54 57.7 41.4 62.2



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF105183.D

Acq: 9 May 2018 9:08

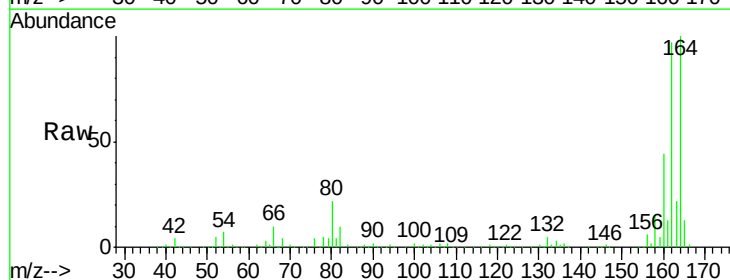
Tgt Ion:164 Resp: 449026

Ion Ratio Lower Upper

164 100

162 96.9 86.1 129.1

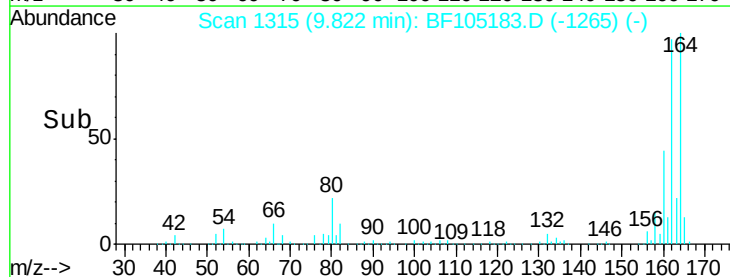
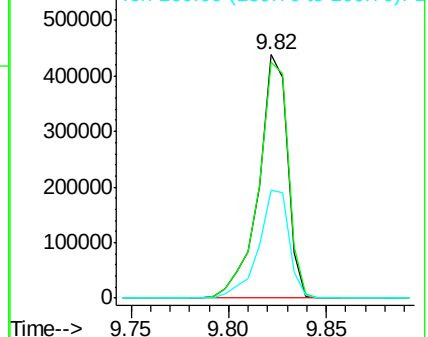
160 44.4 38.3 57.5

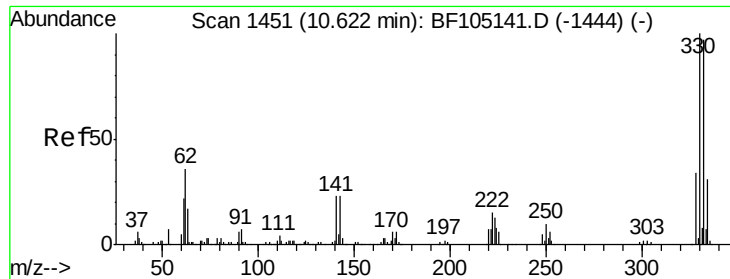


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

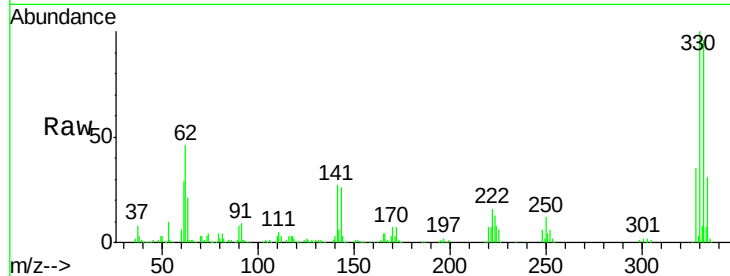




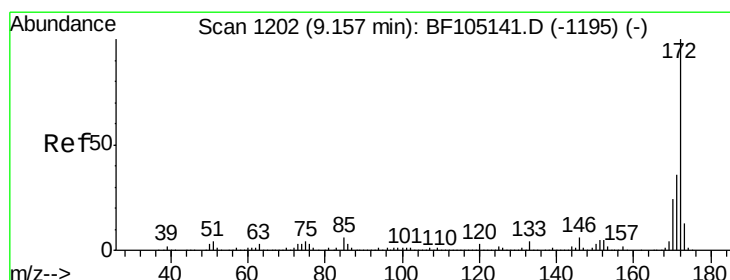
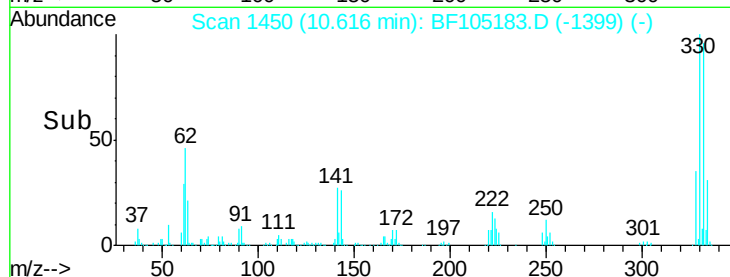
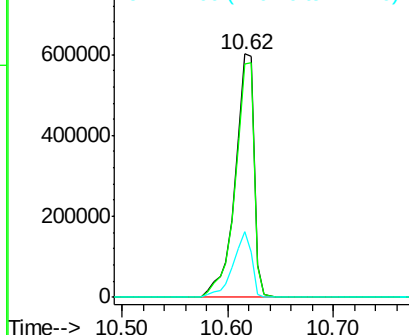
#41
 2,4,6-Tribromophenol
 Concen: 148.188 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. 0.00 min
 Lab File: BF105183.D
 Acq: 9 May 2018 9:08

Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL-PILE-1A

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	26.5	29.9	44.9#

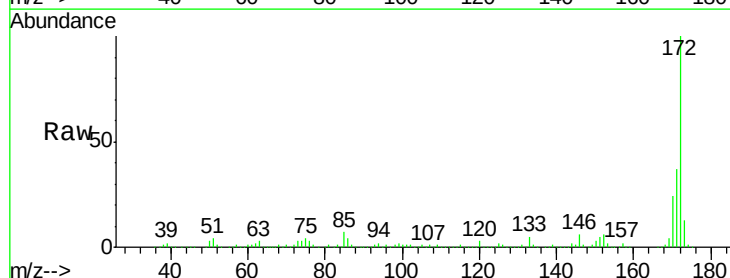


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

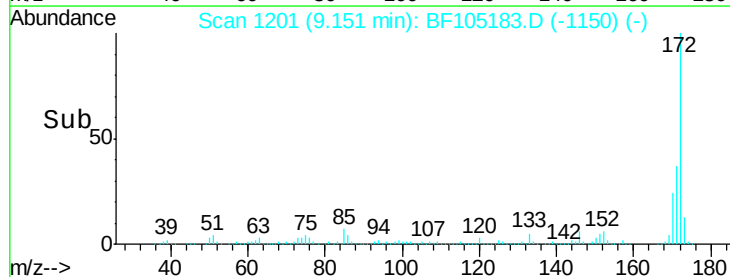
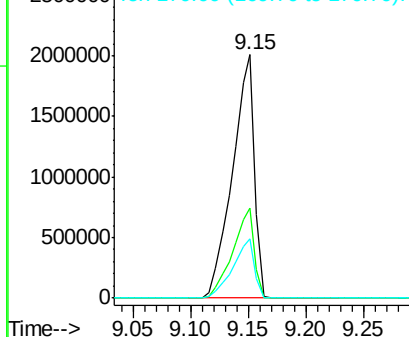


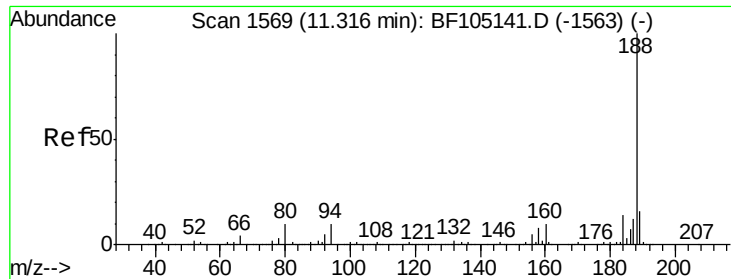
#44
 2-Fluorobiphenyl
 Concen: 90.688 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: BF105183.D
 Acq: 9 May 2018 9:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.7	44.5
170	24.2	19.6	29.4



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

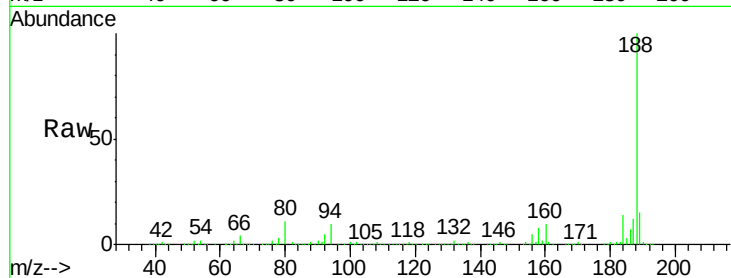




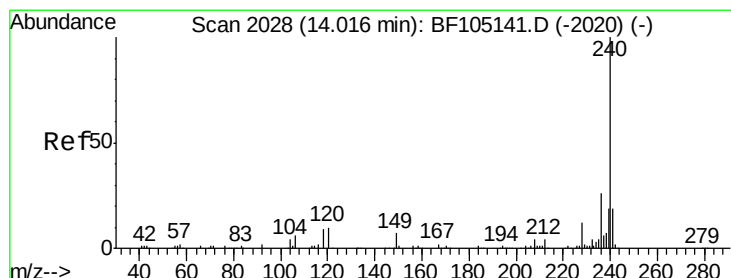
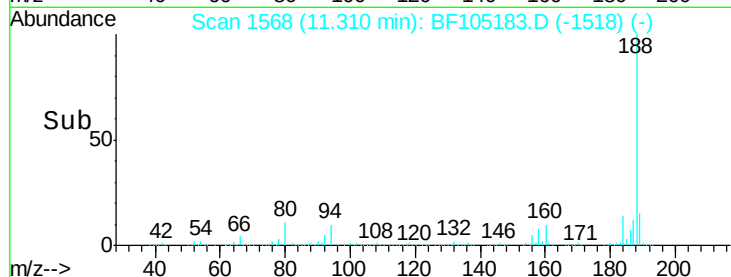
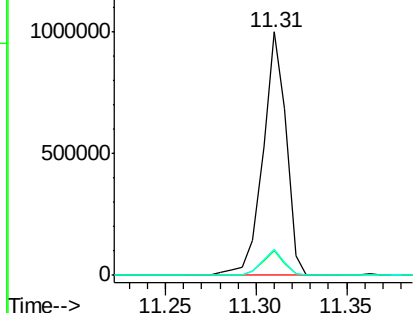
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF105183.D
Acq: 9 May 2018 9:08

Instrument :
BNA_F
ClientSampleId :
LS-SOIL-PILE-1A

Tot Ion:188 Resp: 887603
Ion Ratio Lower Upper
188 100
94 10.0 8.5 12.7
80 10.5 9.2 13.8

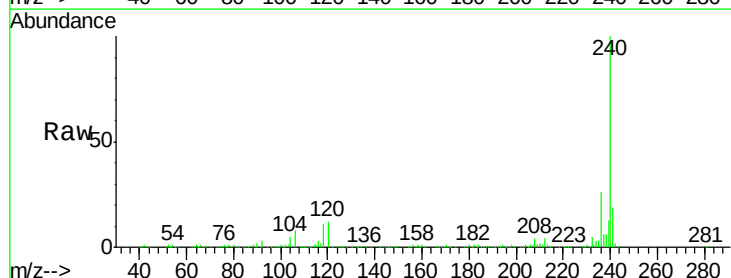


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

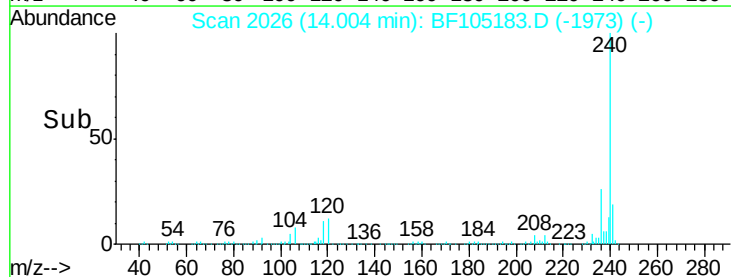
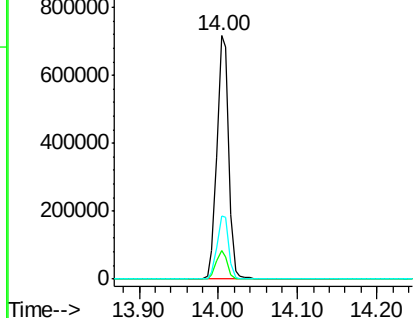


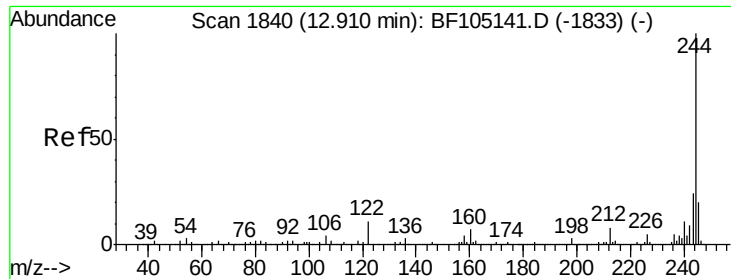
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF105183.D
Acq: 9 May 2018 9:08

Tgt Ion:240 Resp: 740586
Ion Ratio Lower Upper
240 100
120 11.9 9.5 14.3
236 26.2 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

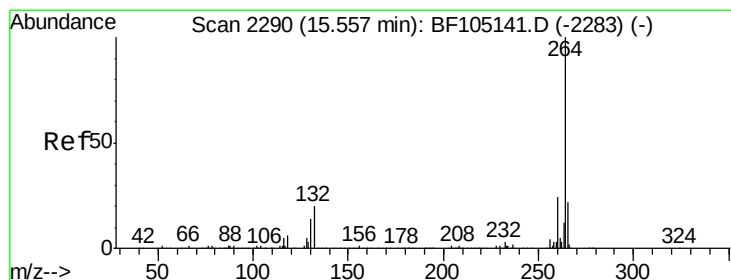
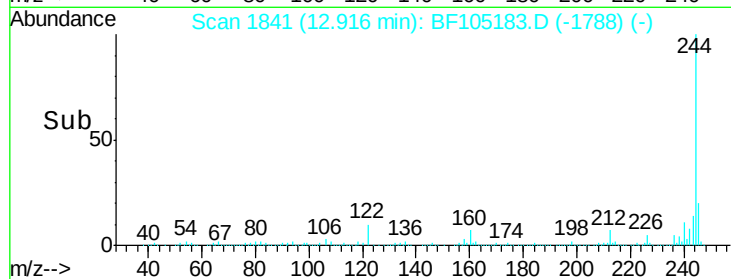
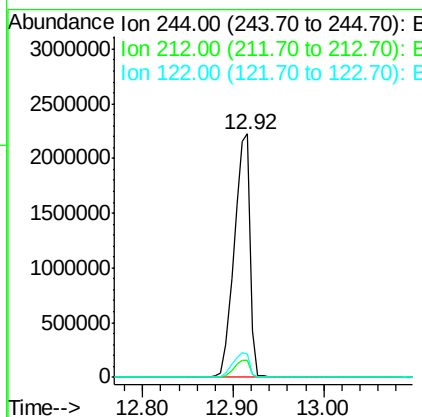
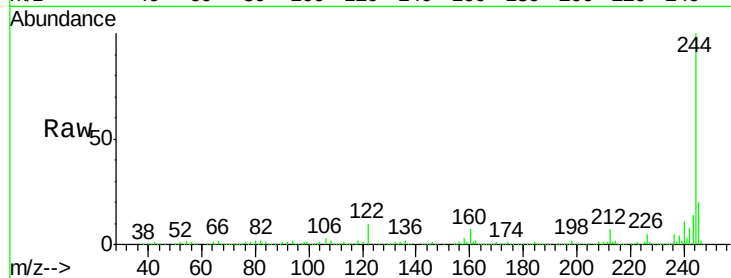




#78
 Terphenyl-d14
 Concen: 85.579 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.01 min
 Lab File: BF105183.D
 Acq: 9 May 2018 9:08

Instrument :
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 LS-SOIL-PILE-1A

Tot Ion:244 Resp: 2728485
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.0
 122 9.5 11.0 16.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.56 min Scan# 2291
 Delta R.T. 0.06 min
 Lab File: BF105183.D
 Acq: 9 May 2018 9:08

Tgt Ion:264 Resp: 611740
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.2 28.8
 265 22.6 17.5 26.3

