

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050818\
 Data File : BF105185.D
 Acq On : 9 May 2018 10:24
 Operator : JU/SJ
 Sample : J2754-12
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL-PILE-2A

Quant Time: May 09 12:23:29 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

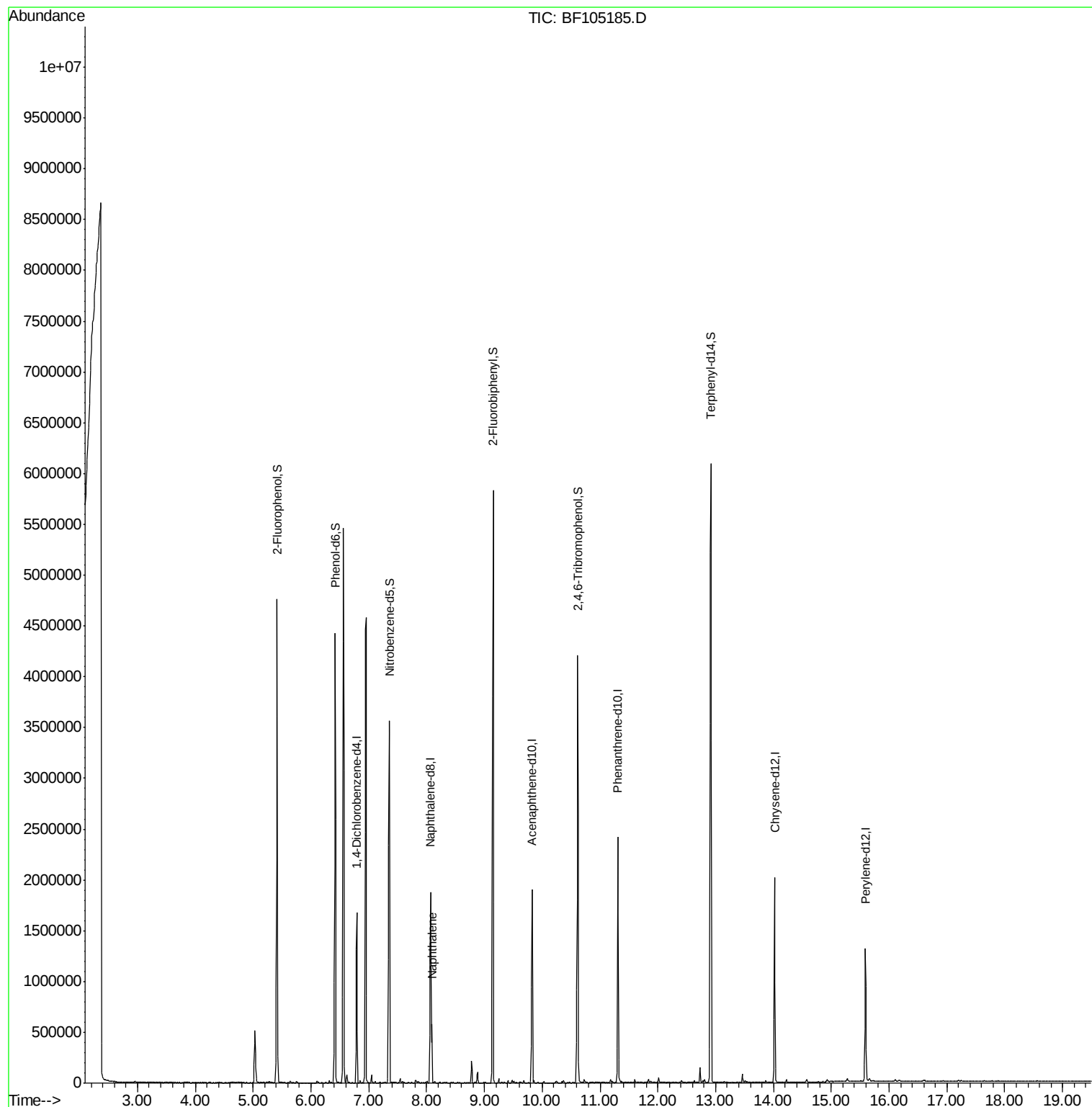
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	221826	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	877835	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	435083	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	861637	20.00	ng	0.00
75) Chrysene-d12	14.02	240	715764	20.00	ng	0.03
86) Perylene-d12	15.59	264	599020	20.00	ng	0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1522133	113.04	ng	0.02
7) Phenol-d6	6.42	99	1648970	102.85	ng	0.00
23) Nitrobenzene-d5	7.36	82	1311160	101.23	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	681316	141.94	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	2384822	85.08	ng	0.00
78) Terphenyl-d14	12.92	244	2641636	85.73	ng	0.01
Target Compounds						
31) Naphthalene	8.09	128	251554	5.951	ng	Qvalue 100

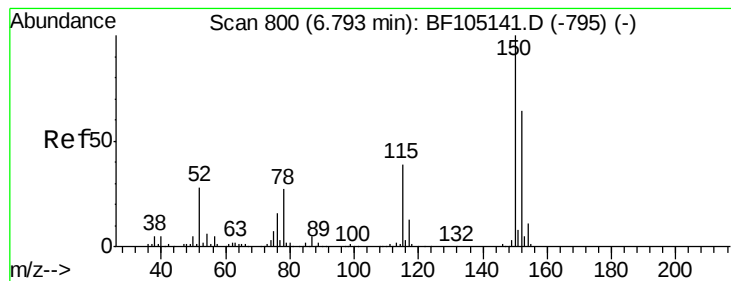
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF105185.D

Acq: 9 May 2018 10:24

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-PILE-2A

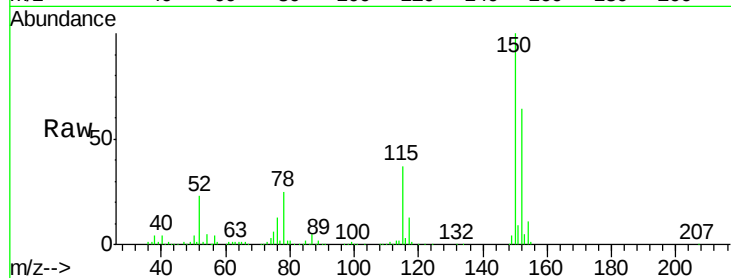
Tot Ion:152 Resp: 221826

Ion Ratio Lower Upper

152 100

150 155.7 124.6 186.8

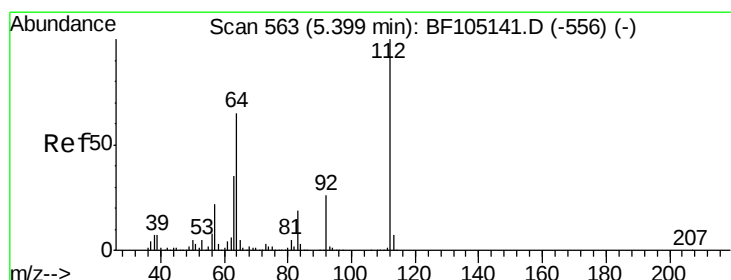
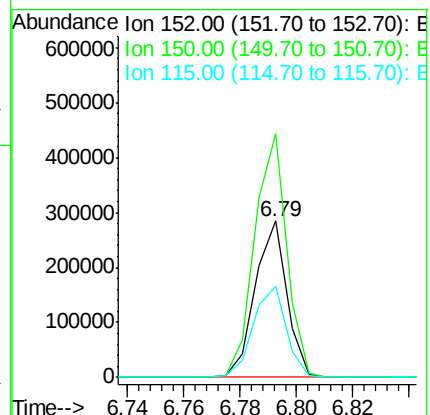
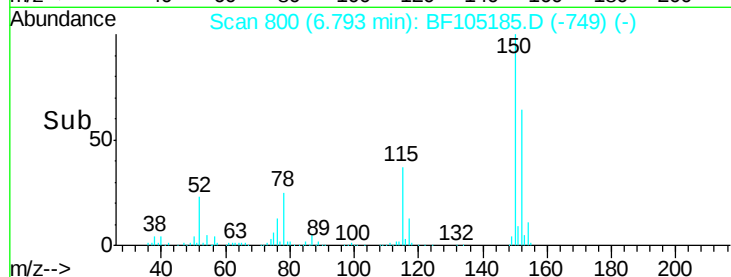
115 58.4 50.1 75.1



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: 113.044 ng

RT: 5.42 min Scan# 566

Delta R.T. 0.02 min

Lab File: BF105185.D

Acq: 9 May 2018 10:24

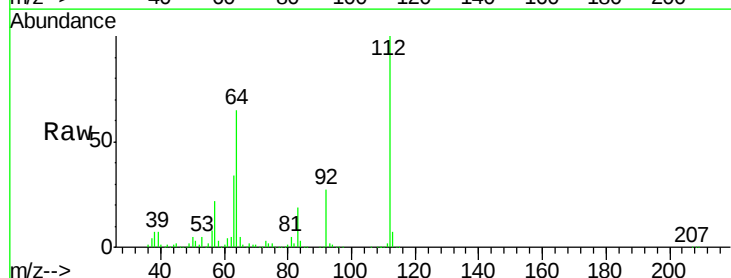
Tgt Ion:112 Resp: 1522133

Ion Ratio Lower Upper

112 100

64 65.5 47.9 71.9

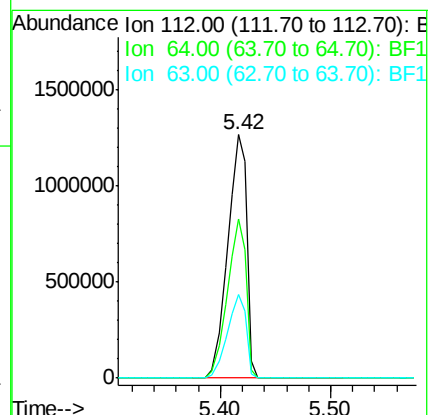
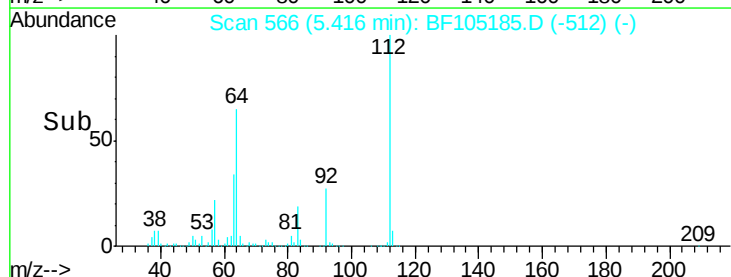
63 34.5 23.7 35.5

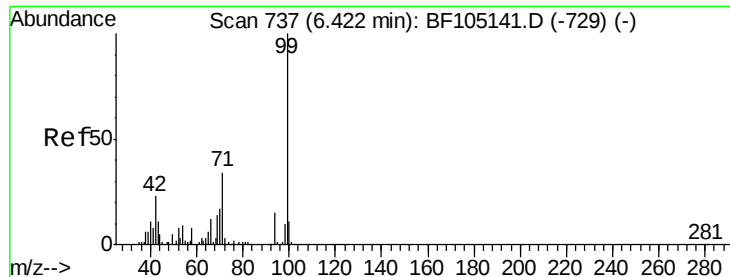


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 102.850 ng

RT: 6.42 min Scan# 737

Delta R.T. 0.00 min

Lab File: BF105185.D

Acq: 9 May 2018 10:24

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-PILE-2A

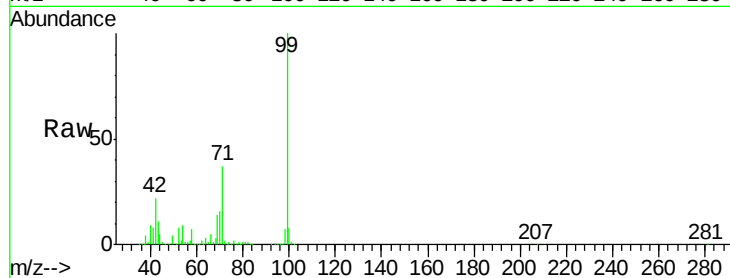
Tot Ion: 99 Resp: 1648970

Ion Ratio Lower Upper

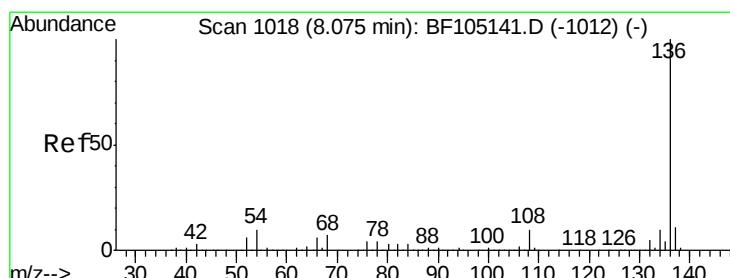
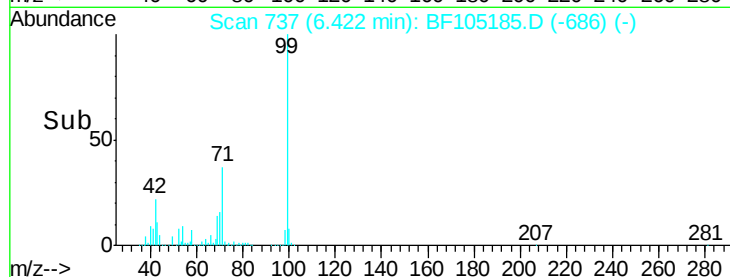
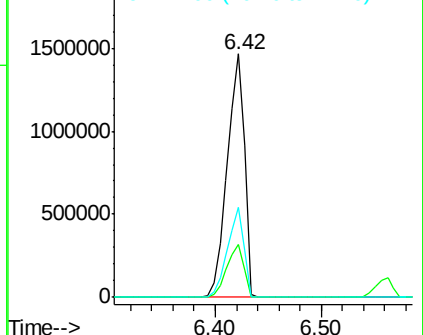
99 100

42 21.9 14.5 21.7#

71 36.7 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: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF105185.D

Acq: 9 May 2018 10:24

Tgt Ion: 136 Resp: 877835

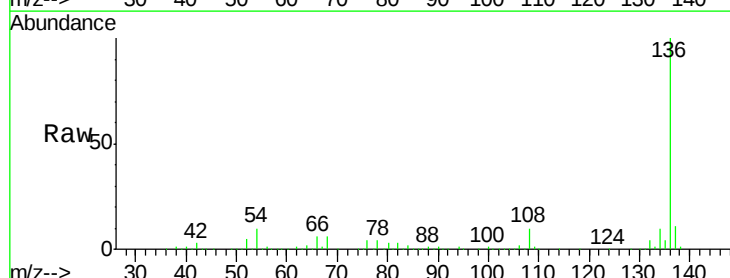
Ion Ratio Lower Upper

136 100

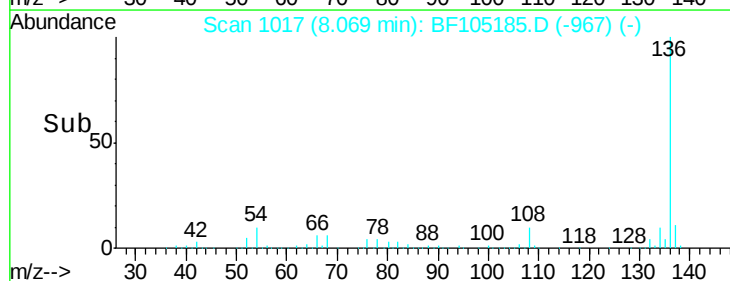
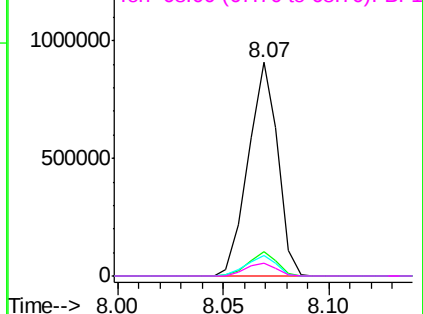
137 11.1 8.9 13.3

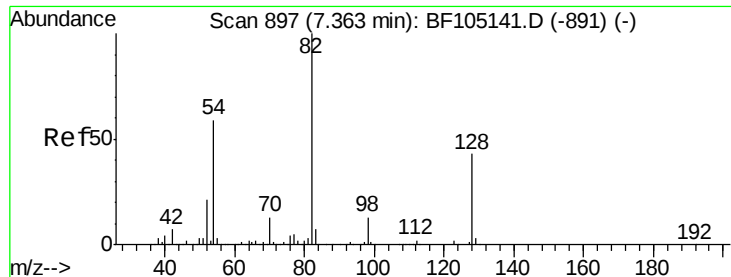
54 9.7 6.6 9.8

68 6.2 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

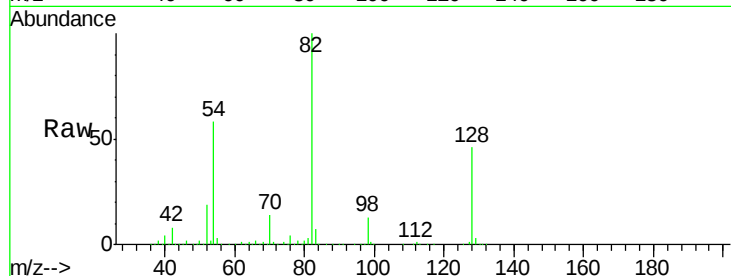




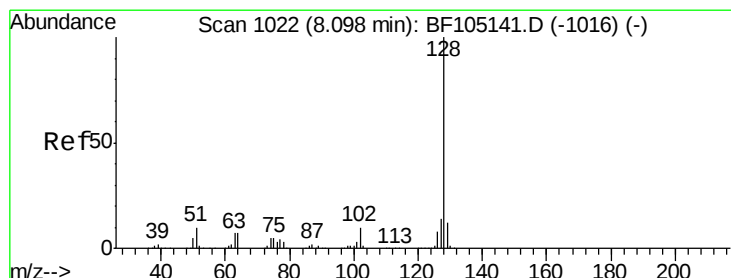
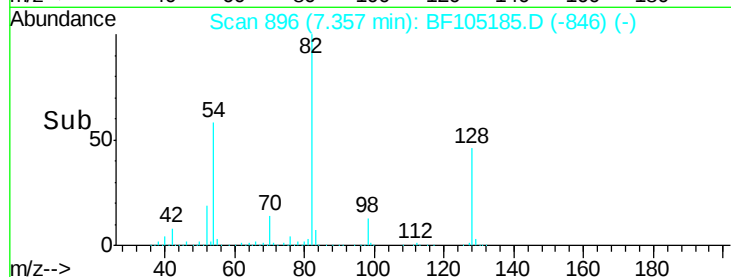
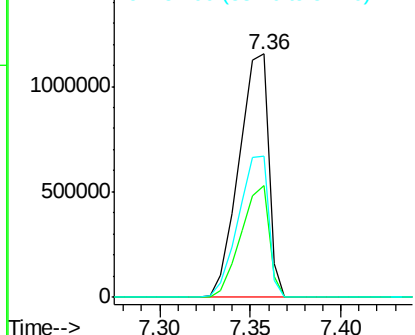
#23
Nitrobenzene-d5
Concen: 101.229 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF105185.D
Acq: 9 May 2018 10:24

Instrument :
BNA_F
ClientSampleId :
LS-SOIL-PILE-2A

Tot Ion: 82 Resp: 1311160
Ion Ratio Lower Upper
82 100
128 46.0 36.1 54.1
54 57.9 41.4 62.2

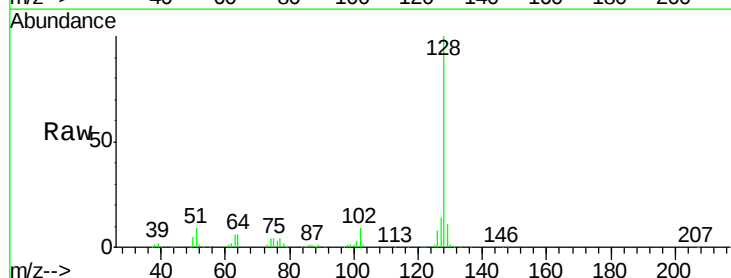


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

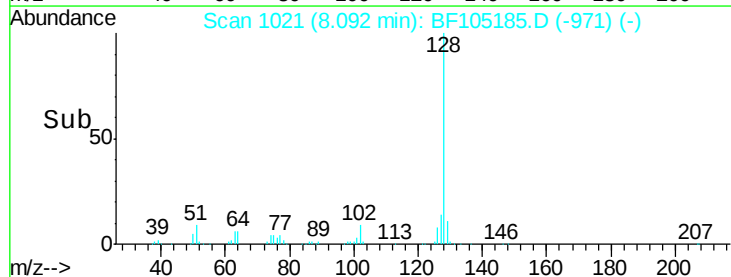
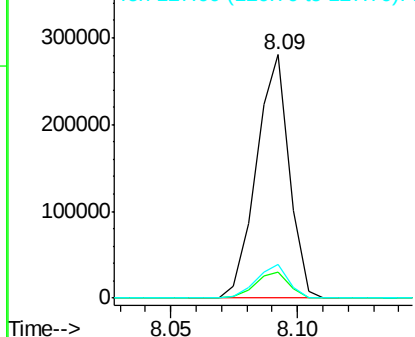


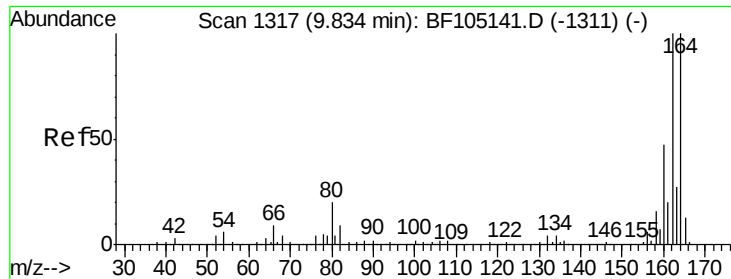
#31
Naphthalene
Concen: 5.951 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF105185.D
Acq: 9 May 2018 10:24

Tgt Ion: 128 Resp: 251554
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.6 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

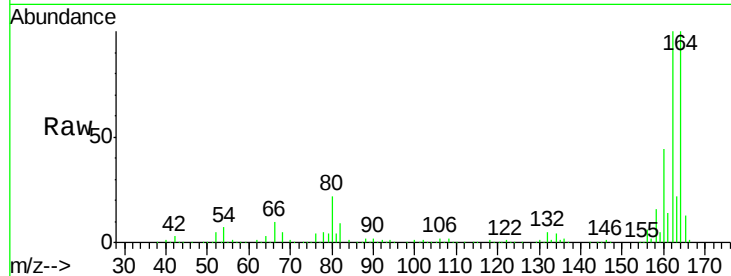




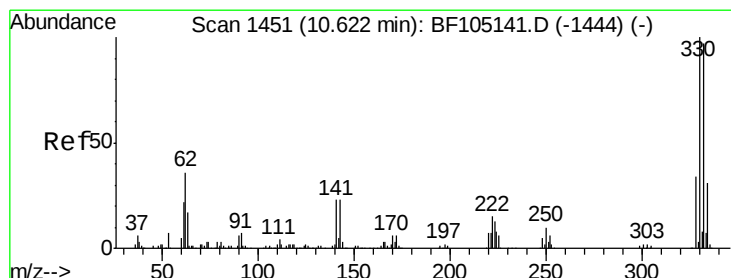
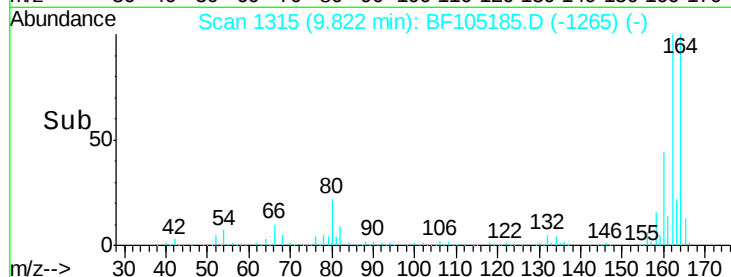
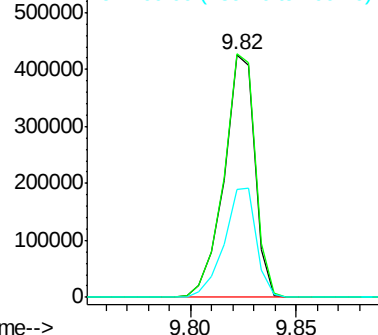
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF105185.D
Acq: 9 May 2018 10:24

Instrument :
BNA_F
ClientSampleId :
LS-SOIL-PILE-2A

Tot Ion:164 Resp: 435083
Ion Ratio Lower Upper
164 100
162 100.5 86.1 129.1
160 44.3 38.3 57.5

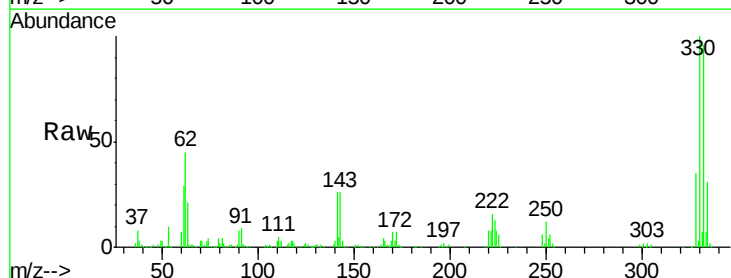


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

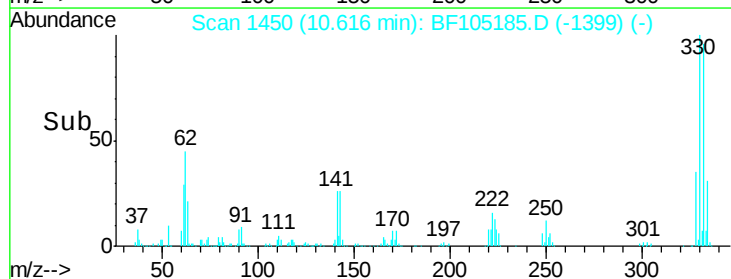
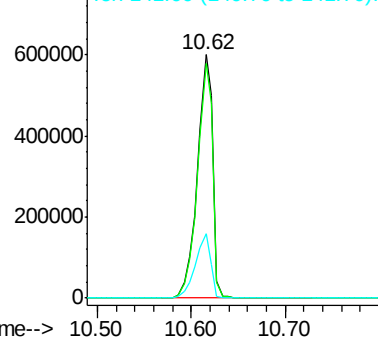


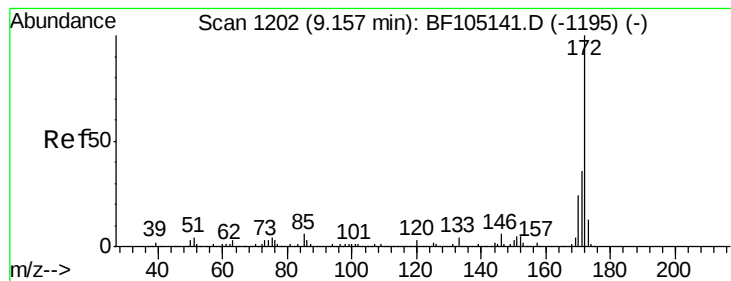
#41
2,4,6-Tribromophenol
Concen: 141.936 ng
RT: 10.62 min Scan# 1450
Delta R.T. 0.00 min
Lab File: BF105185.D
Acq: 9 May 2018 10:24

Tgt Ion:330 Resp: 681316
Ion Ratio Lower Upper
330 100
332 96.0 77.0 115.6
141 26.6 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



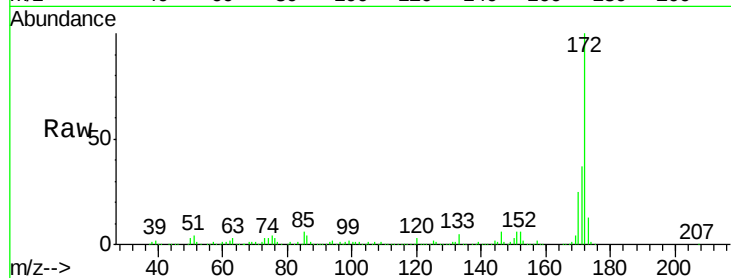


#44
 2-Fluorobiphenyl
 Concen: 85.076 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: BF105185.D
 Acq: 9 May 2018 10:24

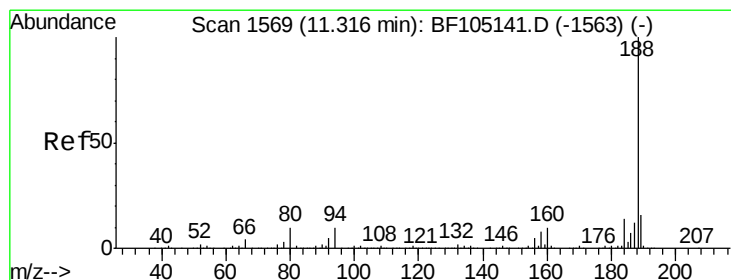
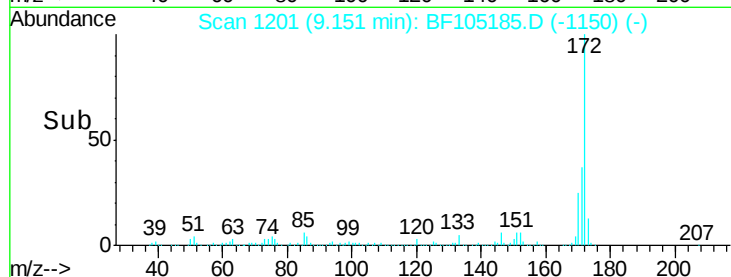
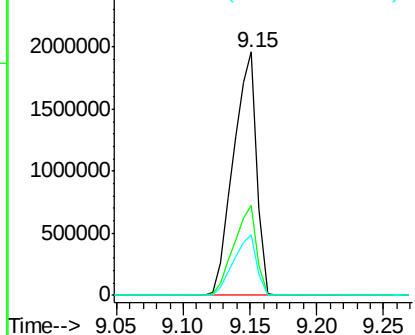
Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL-PILE-2A

Tot Ion:172 Resp: 2384822

Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.7	44.5
170	25.1	19.6	29.4



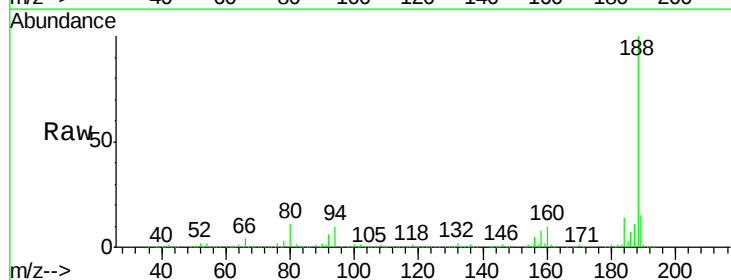
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



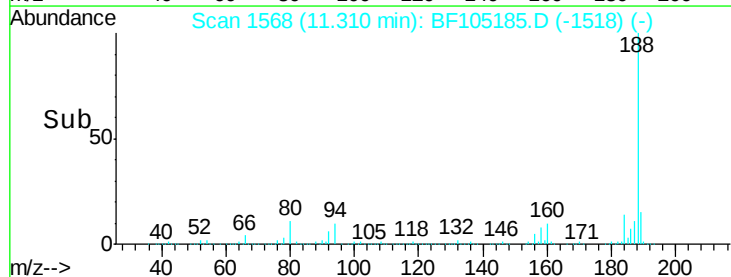
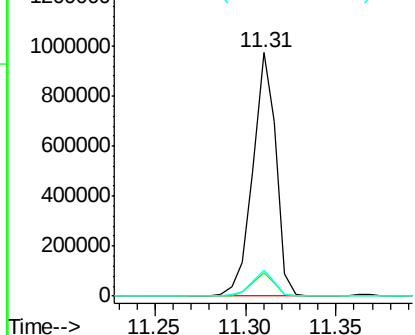
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF105185.D
 Acq: 9 May 2018 10:24

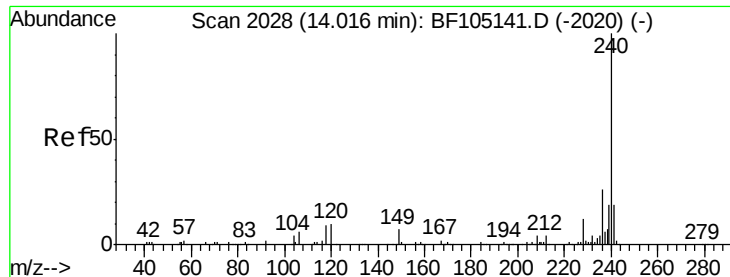
Tgt Ion:188 Resp: 861637

Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.5	12.7
80	10.9	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: 14.02 min Scan# 2029

Delta R.T. 0.03 min

Lab File: BF105185.D

Acq: 9 May 2018 10:24

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-PILE-2A

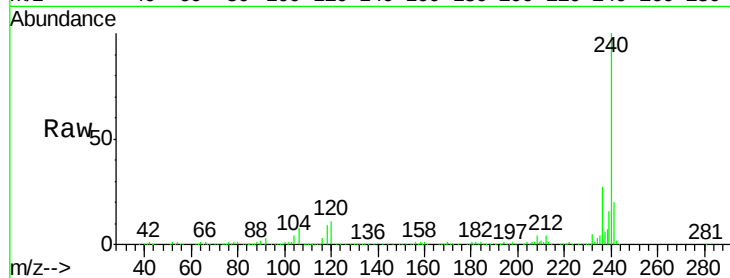
Tot Ion:240 Resp: 715764

Ion Ratio Lower Upper

240 100

120 10.9 9.5 14.3

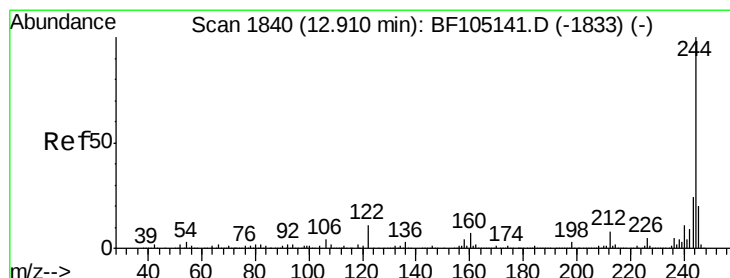
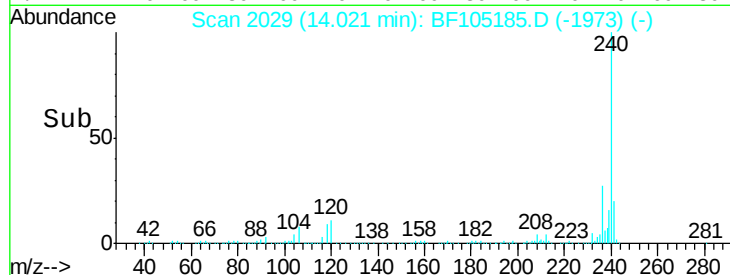
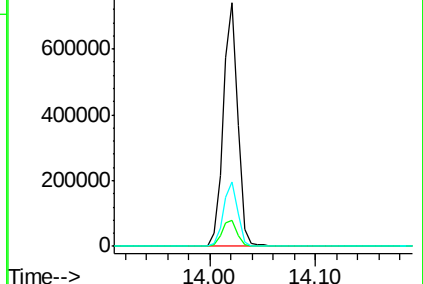
236 26.5 20.7 31.1



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: 85.729 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.01 min

Lab File: BF105185.D

Acq: 9 May 2018 10:24

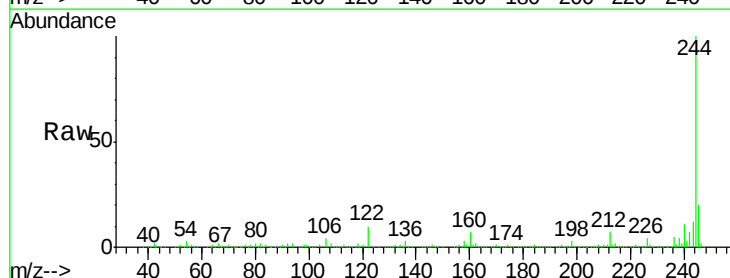
Tgt Ion:244 Resp: 2641636

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

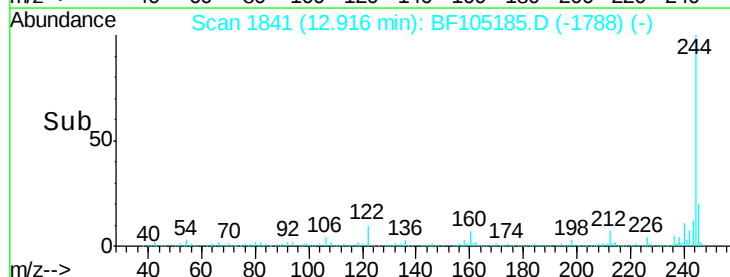
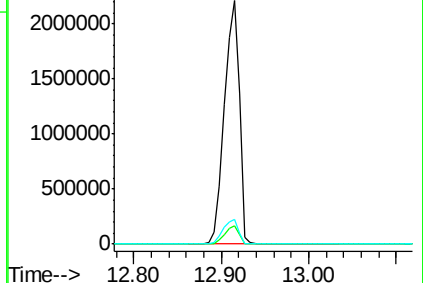
122 10.1 11.0 16.4#

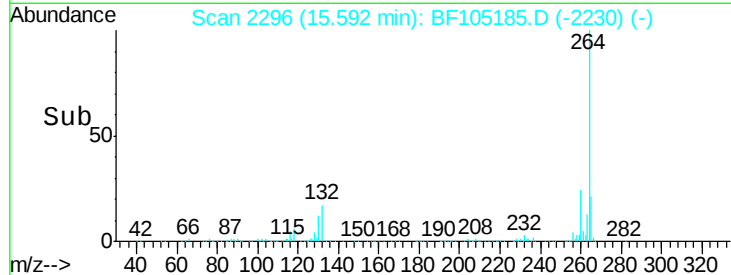
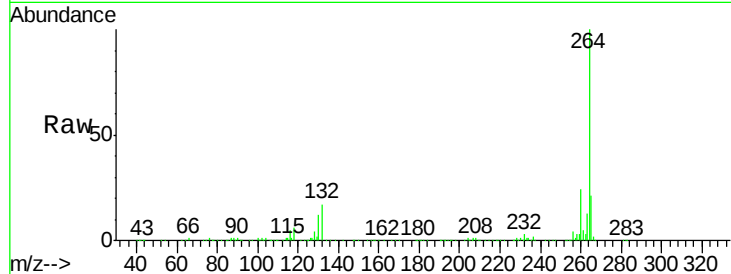
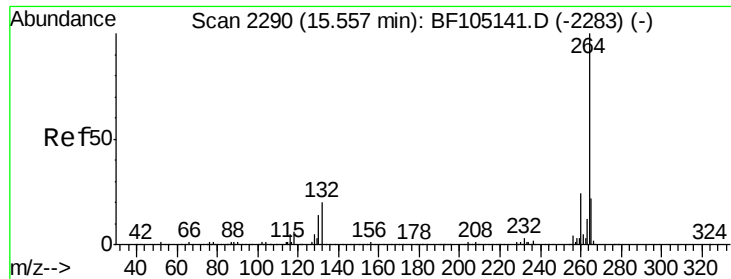


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.59 min Scan# 2296
 Delta R.T. 0.09 min
 Lab File: BF105185.D
 Acq: 9 May 2018 10:24

Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL-PILE-2A

Tot Ion:	264	Resp:	599020
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.2	28.8
265	21.0	17.5	26.3

