

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072018\
 Data File : BF107541.D
 Acq On : 20 Jul 2018 23:11
 Operator : JU/SJ
 Sample : J4057-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL-1

Quant Time: Jul 21 01:35:51 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	353206	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	1358848	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	603941	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	1110438	20.00	ng	0.00
75) Chrysene-d12	14.15	240	787783	20.00	ng	-0.01
86) Perylene-d12	15.69	264	891053	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	2070440	94.25	ng	0.00
7) Phenol-d6	6.61	99	2489103	94.36	ng	0.00
23) Nitrobenzene-d5	7.54	82	1527437	75.86	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	697662	101.59	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	2422145	64.05	ng	0.00
78) Terphenyl-d14	13.09	244	2099736	68.24	ng	0.00

Target Compounds

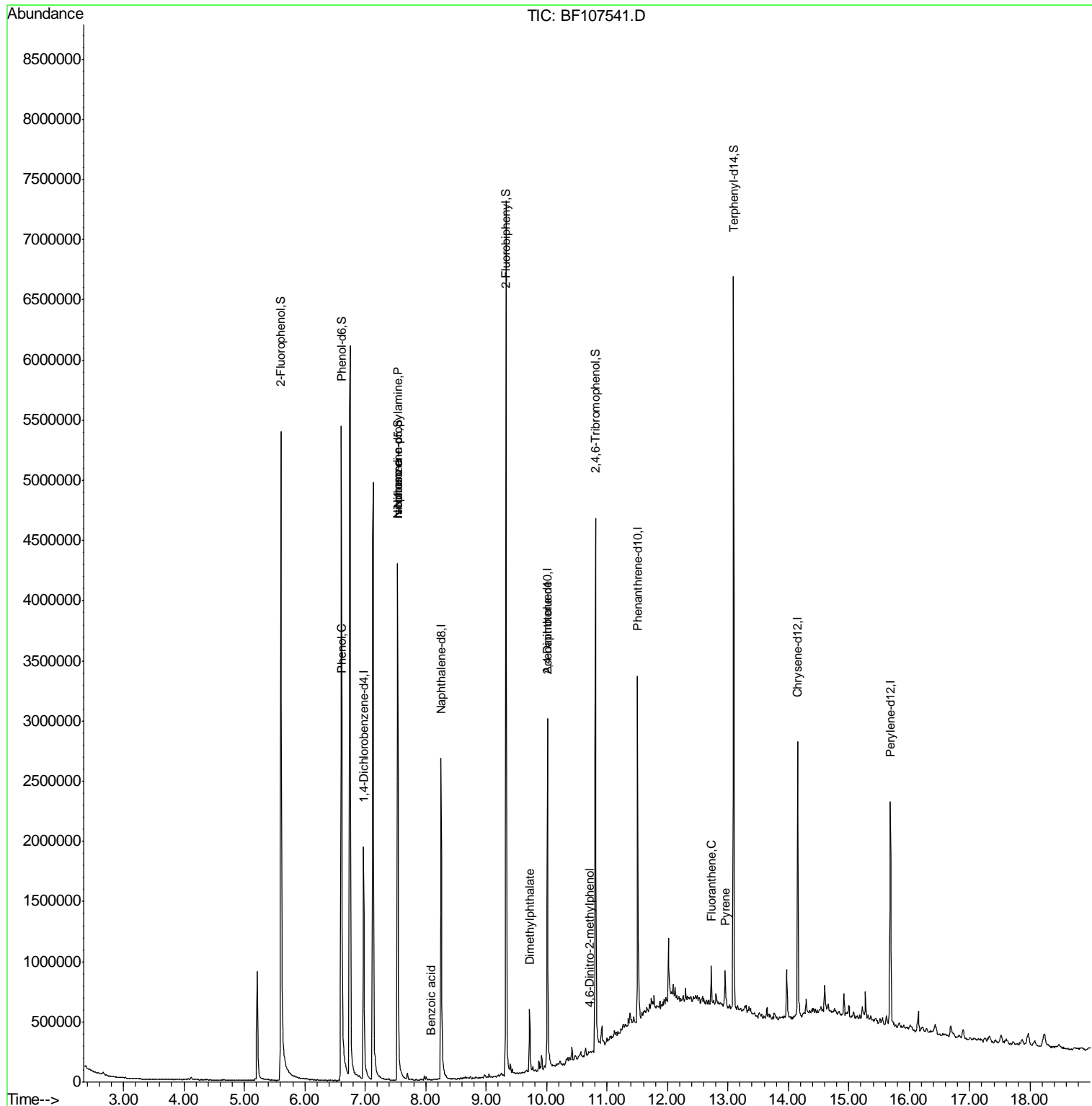
					Qvalue	
9) Benzaldehyde	6.61	77	5108	Below Cal	#	6
10) Phenol	6.62	94	105142	3.389 ng	#	75
19) n-Nitroso-di-n-propylamine	7.54	70	204033	11.973 ng	#	82
25) Isophorone	7.54	82	1527541	35.532 ng	#	64
32) Benzoic acid	8.09	122	236	7.915 ng	#	29
49) Dimethylphthalate	9.72	163	197648	4.342 ng	#	98
56) 2,4-Dinitrotoluene	10.01	165	77794	7.132 ng	#	23
64) 4,6-Dinitro-2-methylphenol	10.72	198	179	8.708 ng	#	1
73) Di-n-butylphthalate	12.05	149	10653	Below Cal	#	73
74) Fluoranthene	12.72	202	126021	2.170 ng		97
77) Pyrene	12.95	202	127192	2.360 ng		97
81) 3,3'-Dichlorobenzidine	14.13	252	1673	Below Cal	#	25

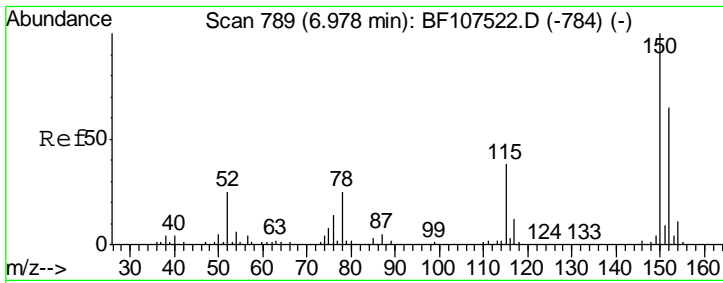
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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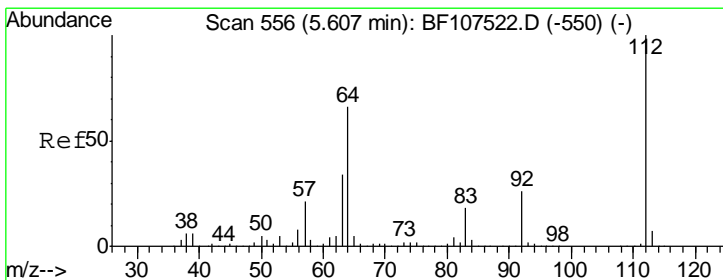
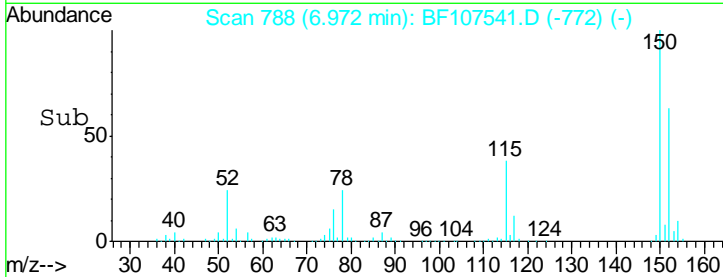
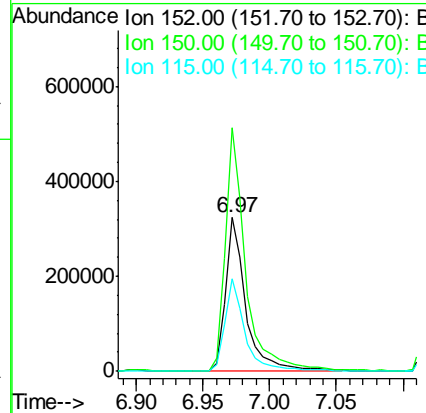
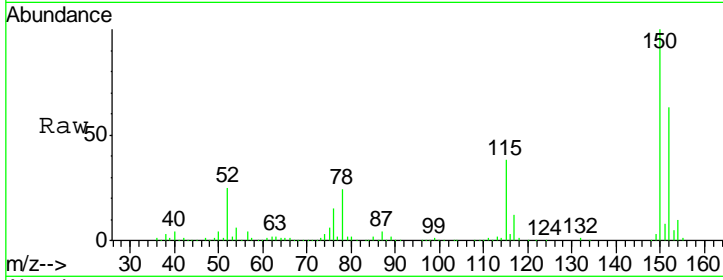




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF107541.D
 Acq: 20 Jul 2018 23:11

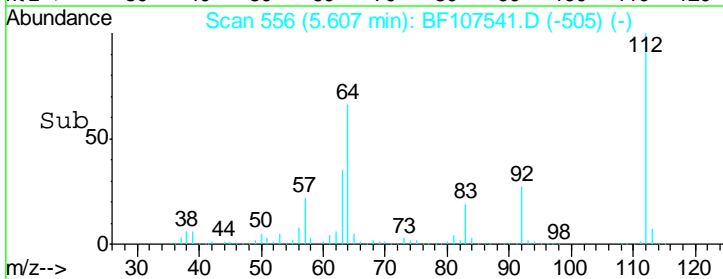
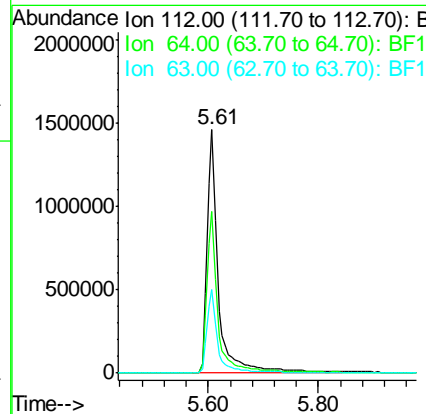
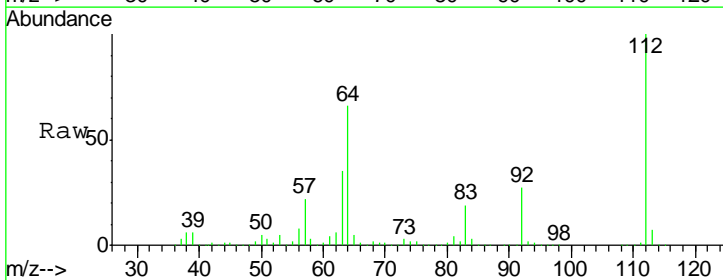
Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL-1

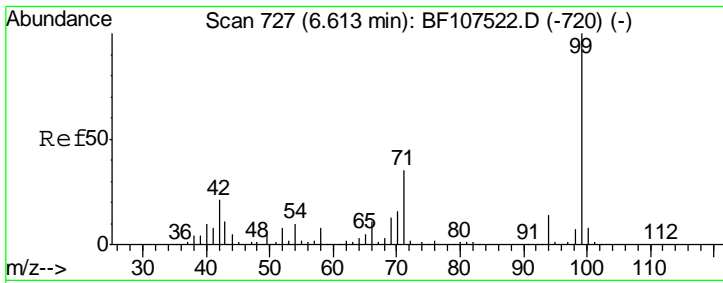
Tgt Ion	Resp	Lower	Upper
152	353206		
150	158.2	124.6	186.8
115	60.1	50.1	75.1



#5
 2-Fluorophenol
 Concen: 94.247 ng
 RT: 5.61 min Scan# 556
 Delta R.T. 0.00 min
 Lab File: BF107541.D
 Acq: 20 Jul 2018 23:11

Tgt Ion	Resp	Lower	Upper
112	2070440		
64	66.3	47.9	71.9
63	34.6	23.7	35.5

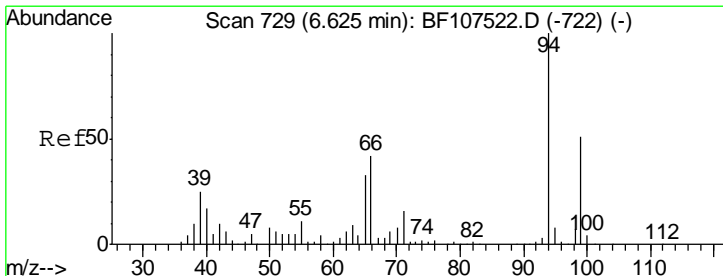
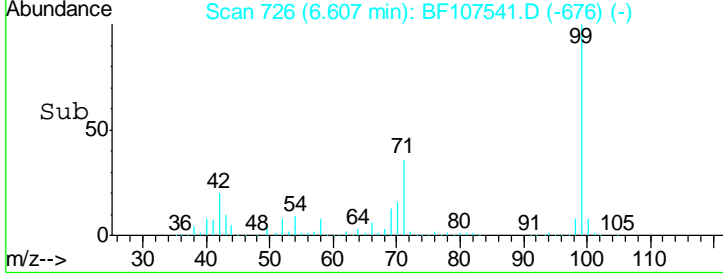
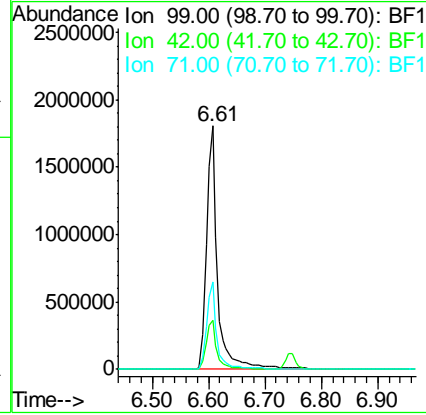
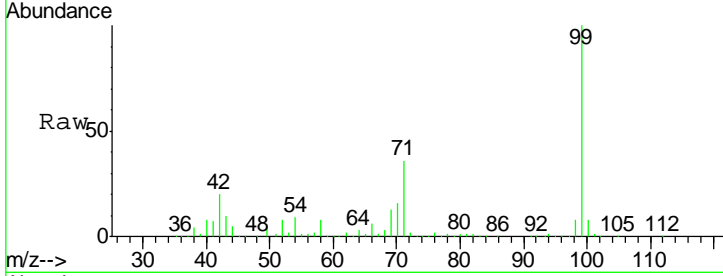




#7
 Phenol-d6
 Concen: 94.363 ng
 RT: 6.61 min Scan# 726
 Delta R.T. -0.01 min
 Lab File: BF107541.D
 Acq: 20 Jul 2018 23:11

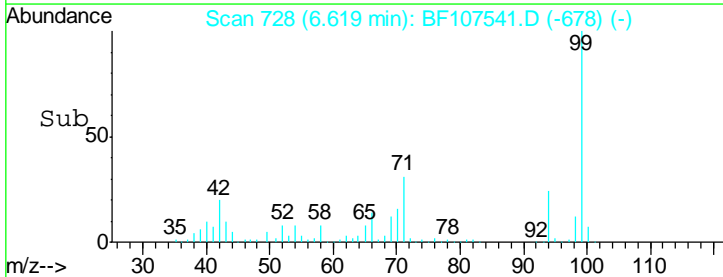
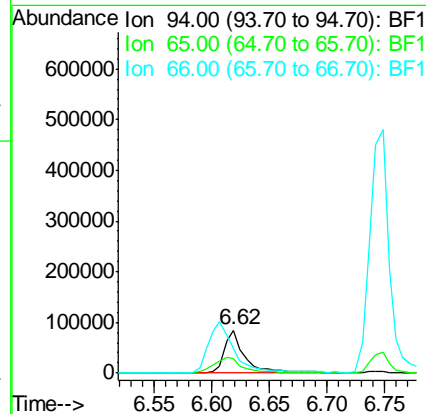
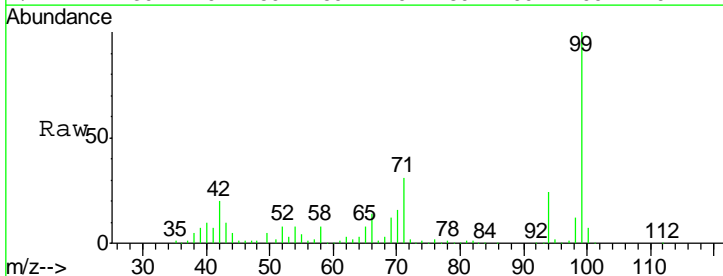
Instrument :
 BNA_F
 ClientSampled :
 LS-SOIL-1

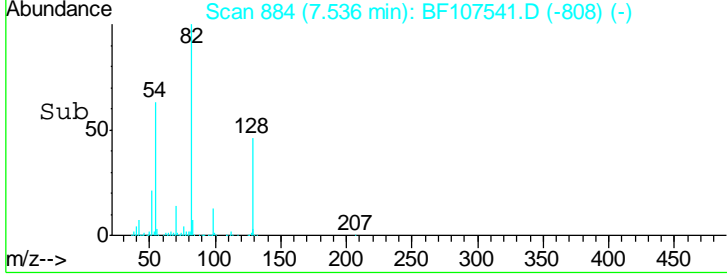
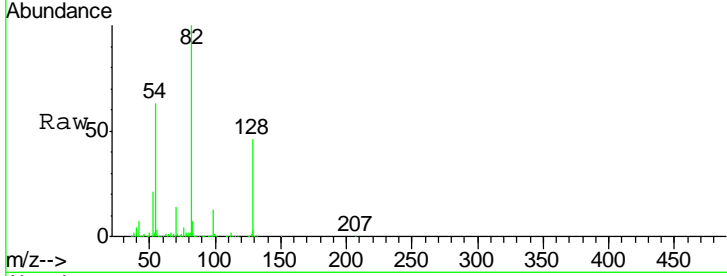
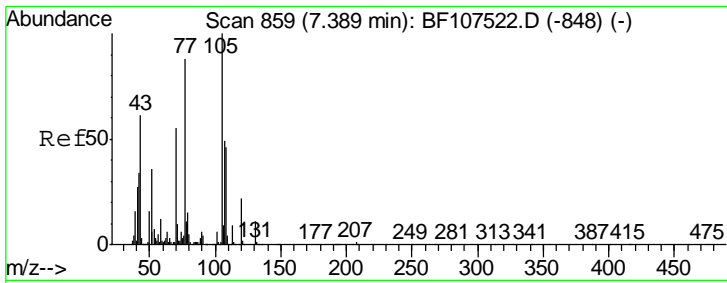
Tgt Ion	Resp	Lower	Upper
99	2489103		
Ion Ratio			
99	100		
42	19.9	14.5	21.7
71	35.7	25.4	38.0



#10
 Phenol
 Concen: 3.389 ng
 RT: 6.62 min Scan# 728
 Delta R.T. -0.01 min
 Lab File: BF107541.D
 Acq: 20 Jul 2018 23:11

Tgt Ion	Resp	Lower	Upper
94	105142		
Ion Ratio			
94	100		
65	33.3	7.9	47.9
66	57.6	16.2	56.2#

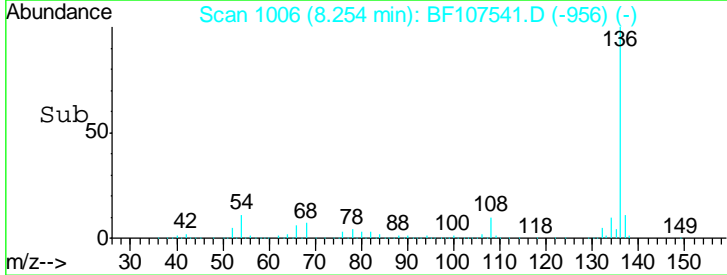
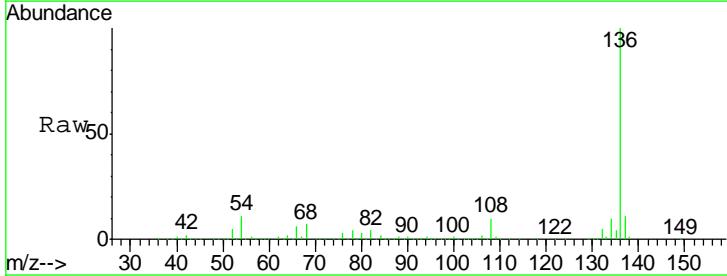
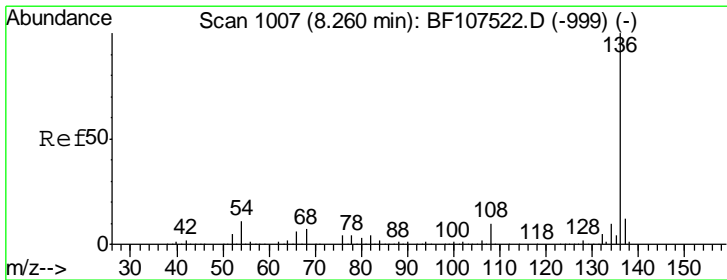
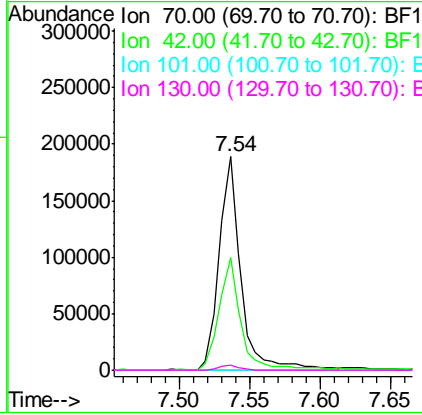




#19
 n-Nitroso-di-n-propylamine
 Concen: 11.973 ng
 RT: 7.54 min Scan# 884
 Delta R.T. 0.15 min
 Lab File: BF107541.D
 Acq: 20 Jul 2018 23:11

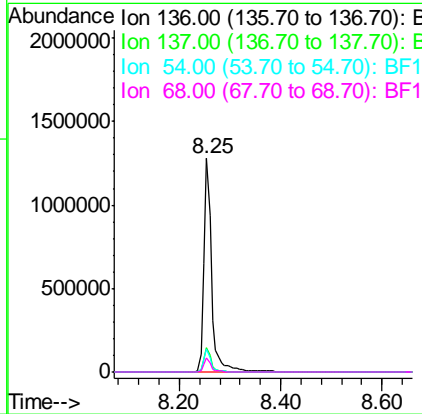
Instrument :
 BNA_F
 ClientSampled :
 LS-SOIL-1

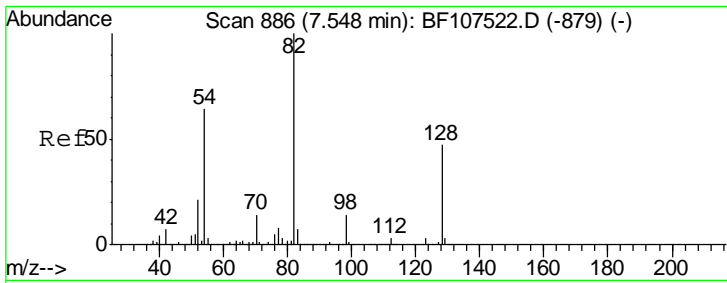
Tgt Ion	Resp	Lower	Upper
70	204033		
70	100		
42	52.6	47.5	71.3
101	0.0	7.4	11.2#
130	2.2	16.6	25.0#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.25 min Scan# 1006
 Delta R.T. -0.01 min
 Lab File: BF107541.D
 Acq: 20 Jul 2018 23:11

Tgt Ion	Resp	Lower	Upper
136	1358848		
136	100		
137	11.3	8.9	13.3
54	10.6	6.6	9.8#
68	6.5	5.0	7.4



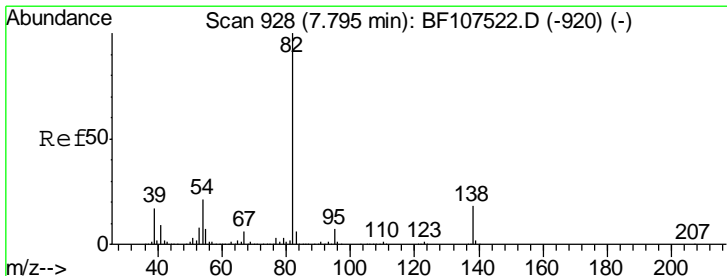
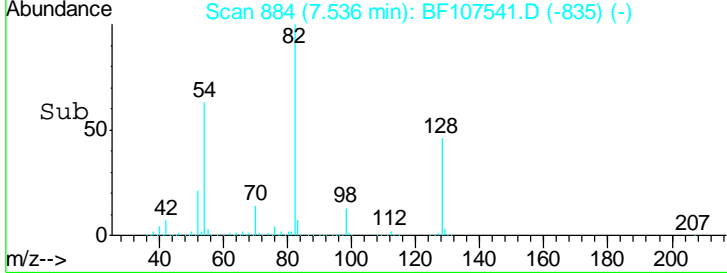
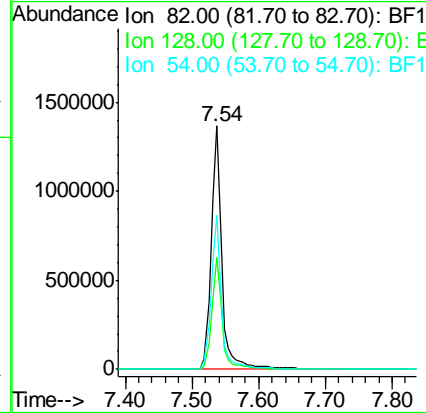
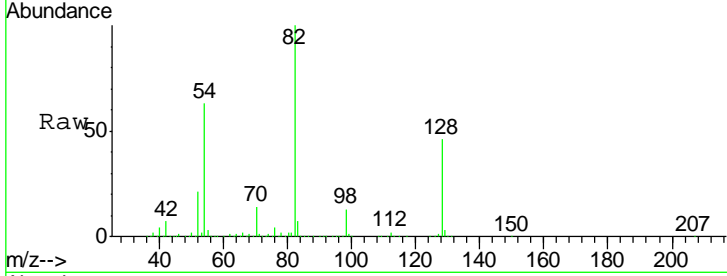


#23
 Nitrobenzene-d5
 Concen: 75.861 ng
 RT: 7.54 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BF107541.D
 Acq: 20 Jul 2018 23:11

Instrument :
 BNA_F
ClientSampled :
 LS-SOIL-1

Tgt Ion: 82 Resp: 1527437

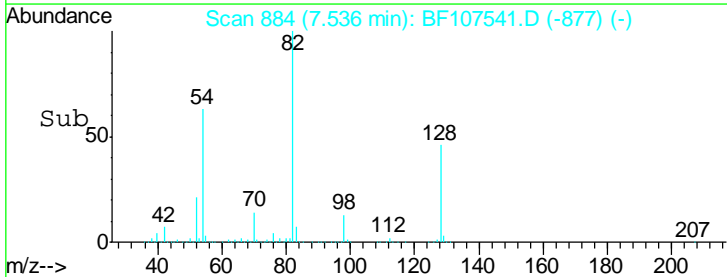
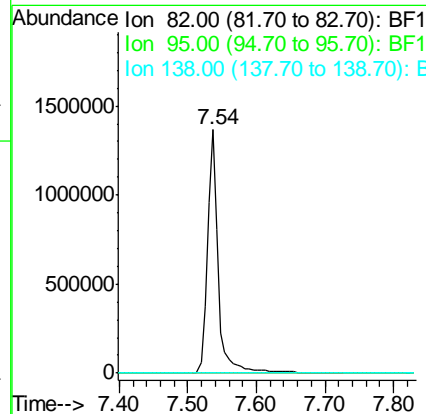
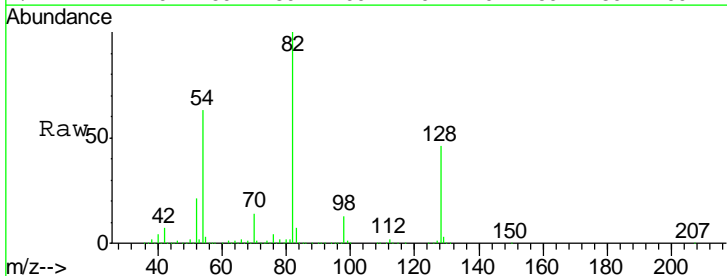
Ion	Ratio	Lower	Upper
82	100		
128	45.9	36.1	54.1
54	63.5	41.4	62.2#

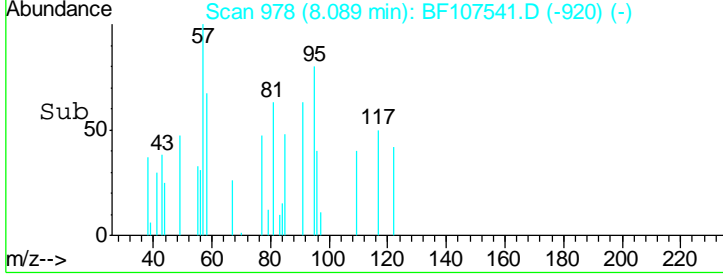
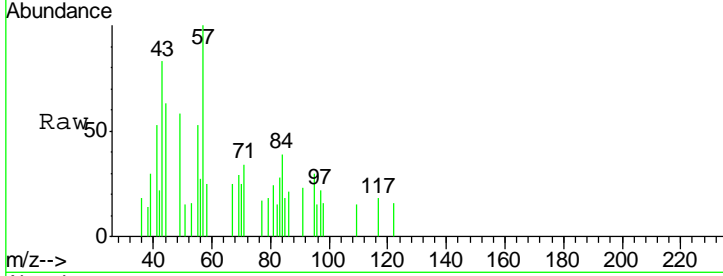
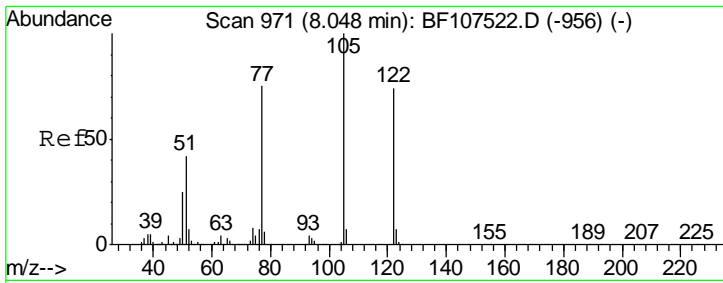


#25
 Isophorone
 Concen: 35.532 ng
 RT: 7.54 min Scan# 884
 Delta R.T. -0.26 min
 Lab File: BF107541.D
 Acq: 20 Jul 2018 23:11

Tgt Ion: 82 Resp: 1527541

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

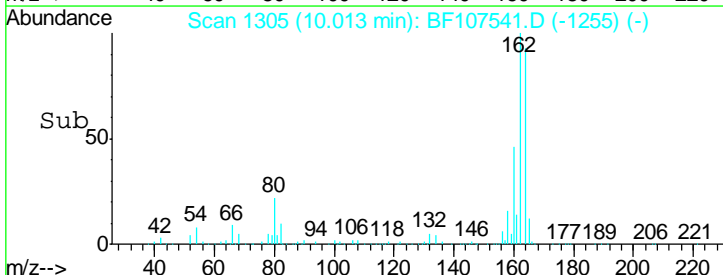
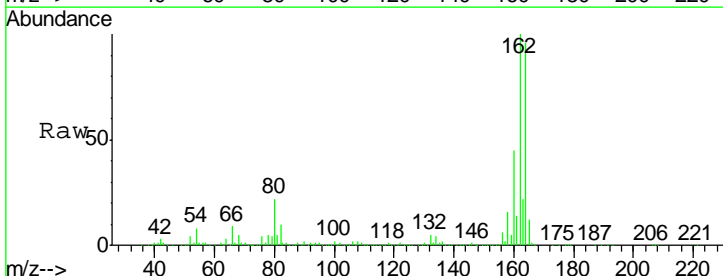
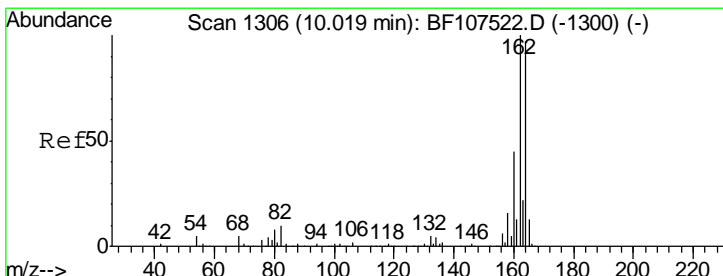
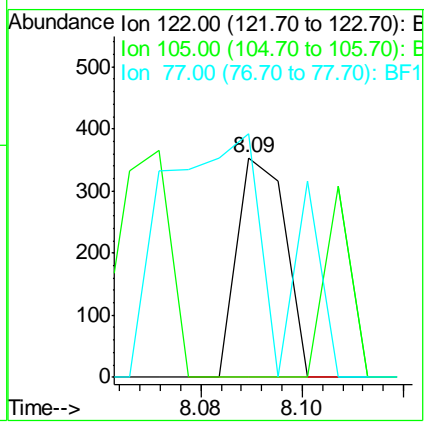




#32
 Benzoic acid
 Concen: 7.915 ng
 RT: 8.09 min Scan# 978
 Delta R.T. 0.04 min
 Lab File: BF107541.D
 Acq: 20 Jul 2018 23:11

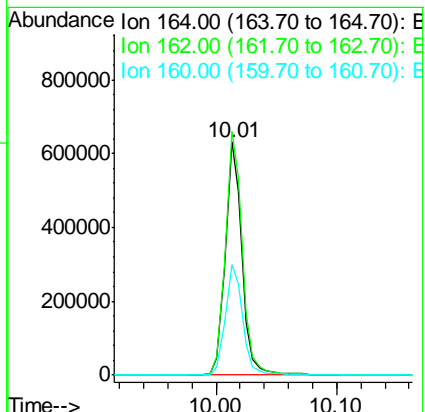
Instrument :
 BNA_F
 ClientSampled :
 LS-SOIL-1

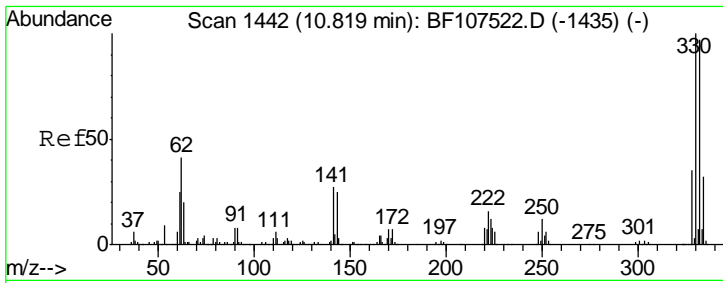
Tgt Ion	Resp	Lower	Upper
122	100		
105	0.0	101.1	141.1#
77	110.7	70.7	110.7#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF107541.D
 Acq: 20 Jul 2018 23:11

Tgt Ion	Resp	Lower	Upper
164	100		
162	104.4	86.1	129.1
160	47.5	38.3	57.5

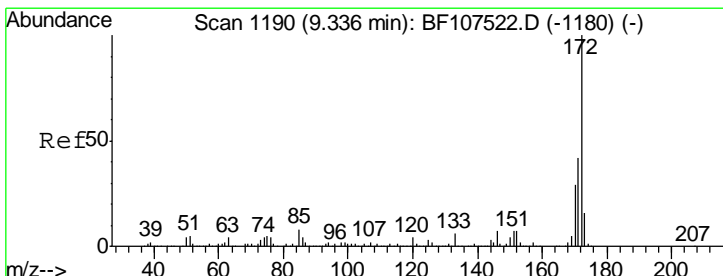
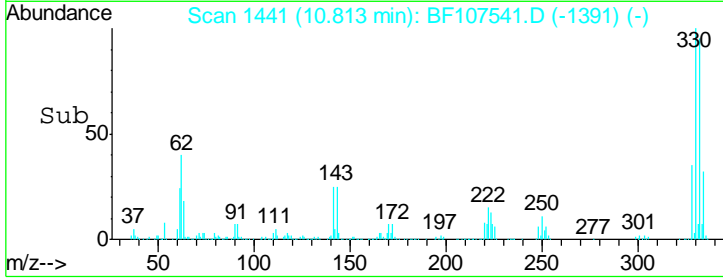
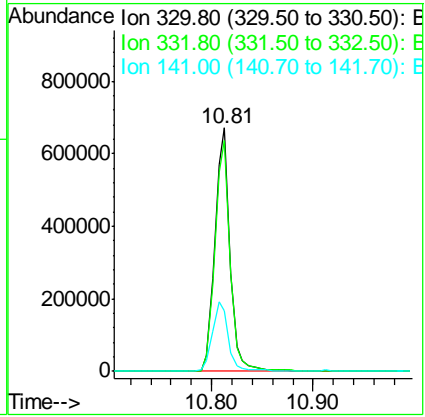
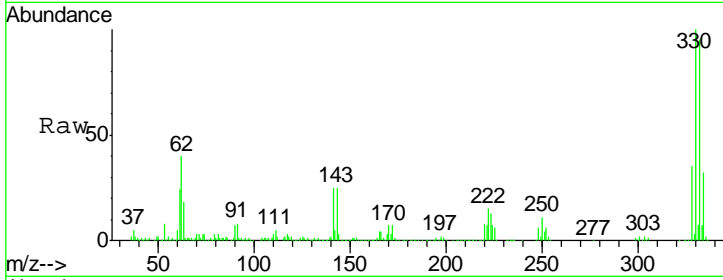




#41
 2,4,6-Tribromophenol
 Concen: 101.585 ng
 RT: 10.81 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF107541.D
 Acq: 20 Jul 2018 23:11

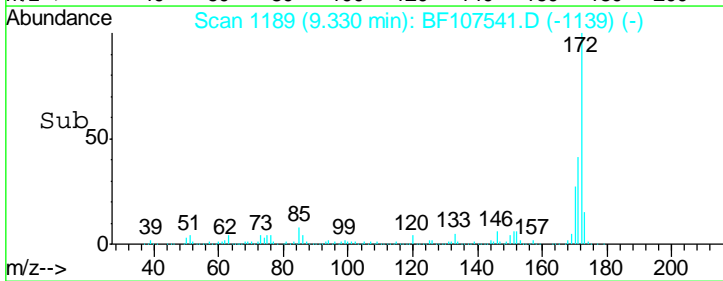
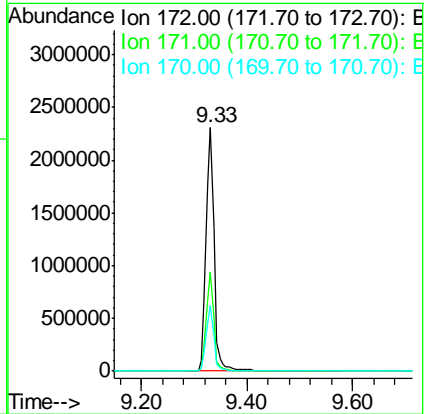
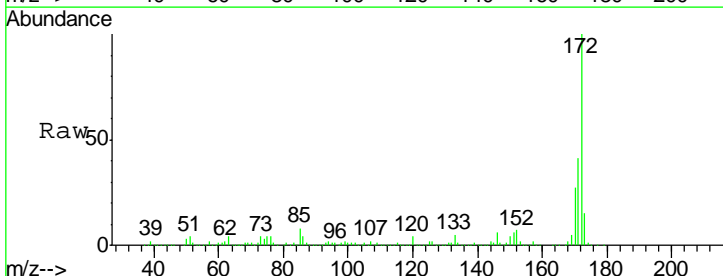
Instrument :
 BNA_F
 ClientSampled :
 LS-SOIL-1

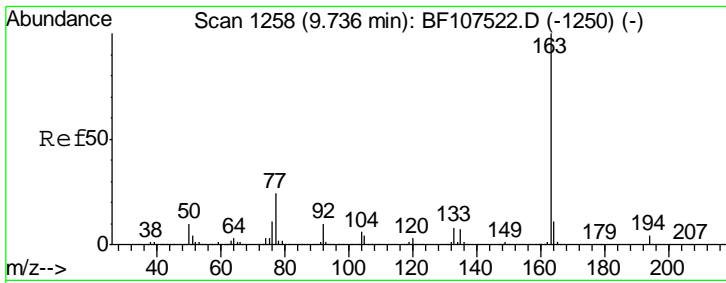
Tgt Ion	Resp	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	30.2	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 64.047 ng
 RT: 9.33 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF107541.D
 Acq: 20 Jul 2018 23:11

Tgt Ion	Resp	Lower	Upper
172	100		
171	40.8	29.7	44.5
170	26.9	19.6	29.4

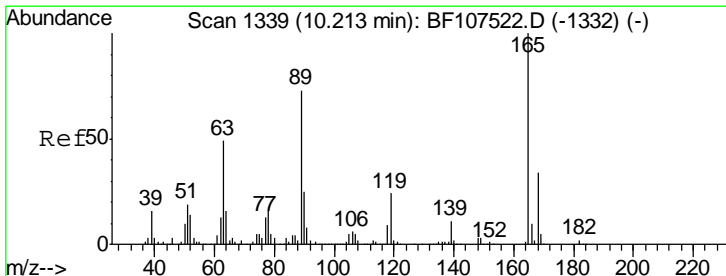
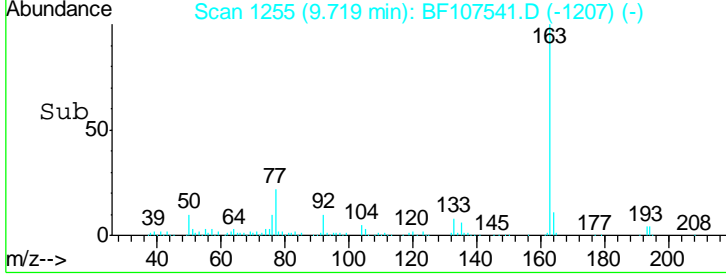
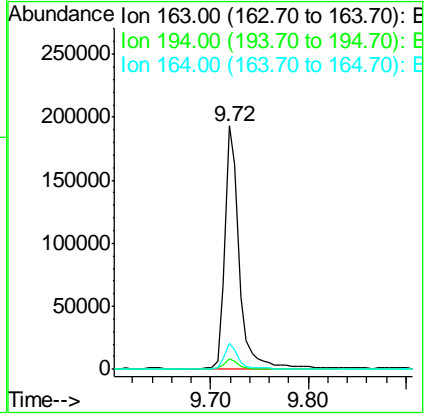
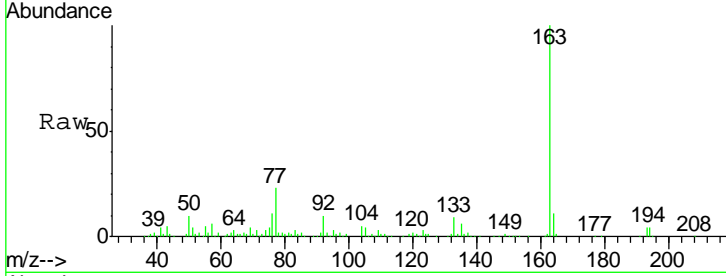




#49
 Dimethylphthalate
 Concen: 4.342 ng
 RT: 9.72 min Scan# 1255
 Delta R.T. -0.02 min
 Lab File: BF107541.D
 Acq: 20 Jul 2018 23:11

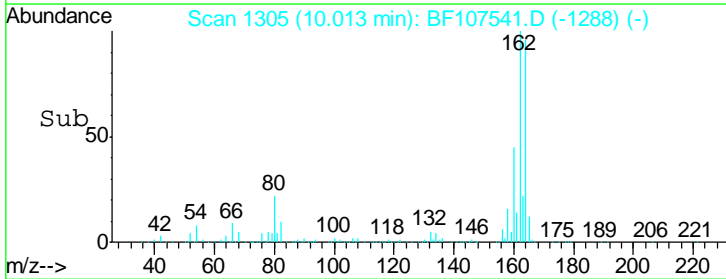
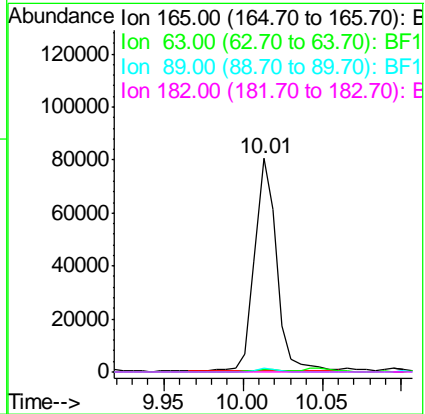
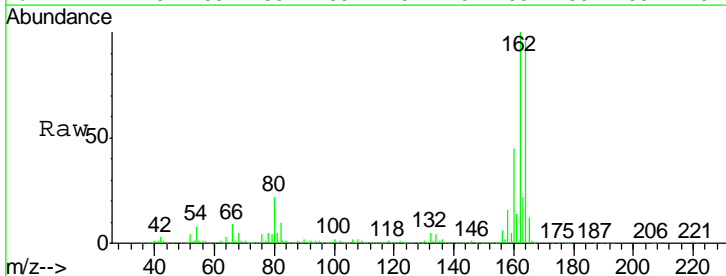
Instrument :
 BNA_F
 ClientSampled :
 LS-SOIL-1

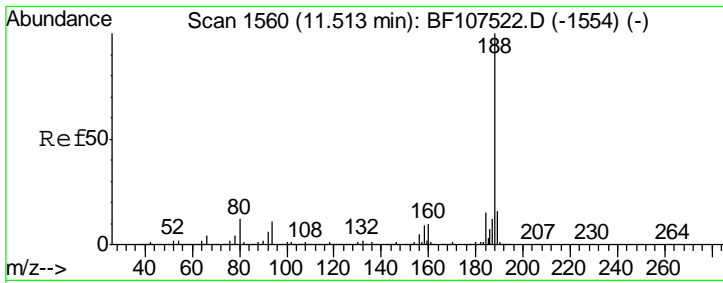
Tgt Ion	Resp	Lower	Upper
163	197648		
194	4.2	2.7	4.1#
164	10.7	8.2	12.2



#56
 2,4-Dinitrotoluene
 Concen: 7.132 ng
 RT: 10.01 min Scan# 1305
 Delta R.T. -0.20 min
 Lab File: BF107541.D
 Acq: 20 Jul 2018 23:11

Tgt Ion	Resp	Lower	Upper
165	77794		
63	1.4	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#



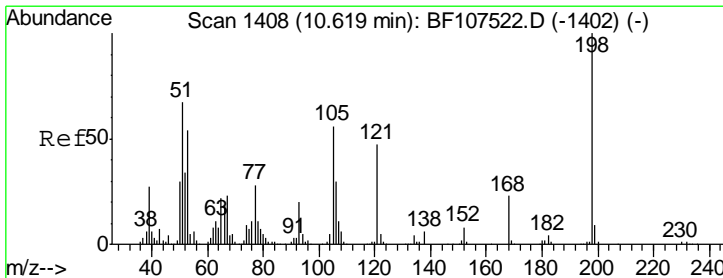
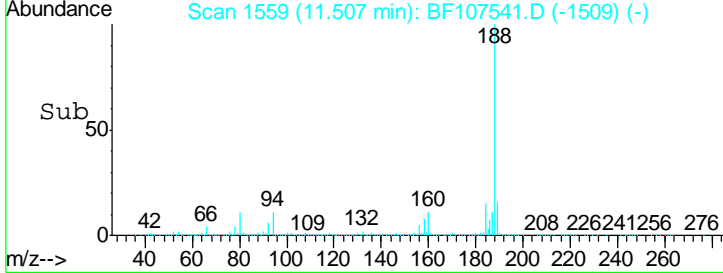
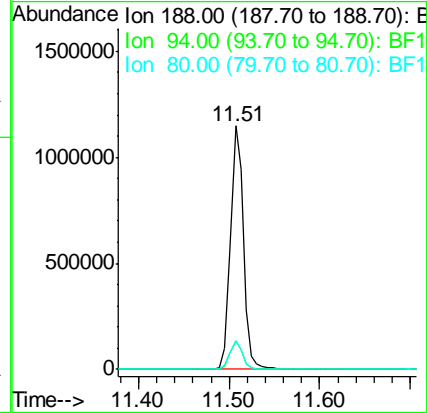
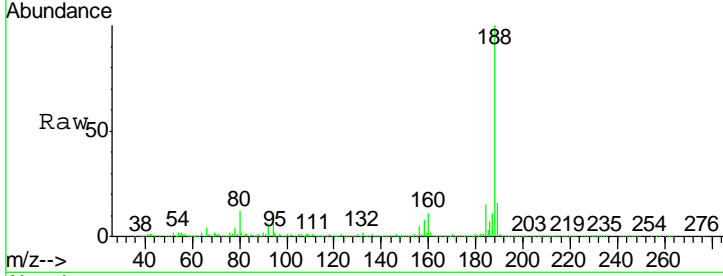


#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: BF107541.D
 Acq: 20 Jul 2018 23:11

Instrument :
 BNA_F
 ClientSampled :
 LS-SOIL-1

Tgt Ion:188 Resp: 1110438

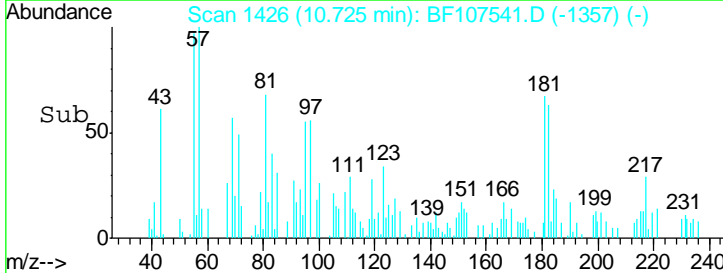
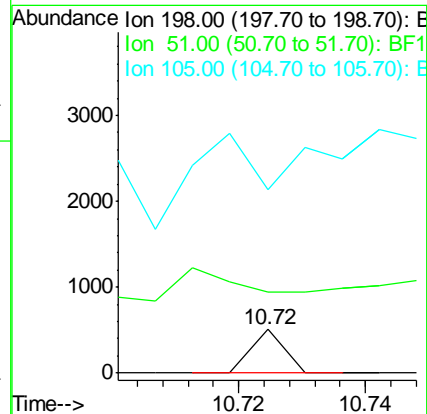
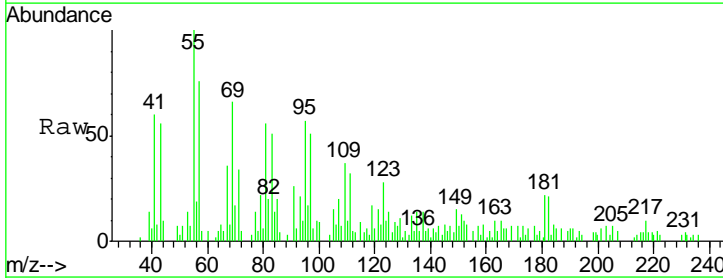
Ion	Ratio	Lower	Upper
188	100		
94	11.5	8.5	12.7
80	11.6	9.2	13.8

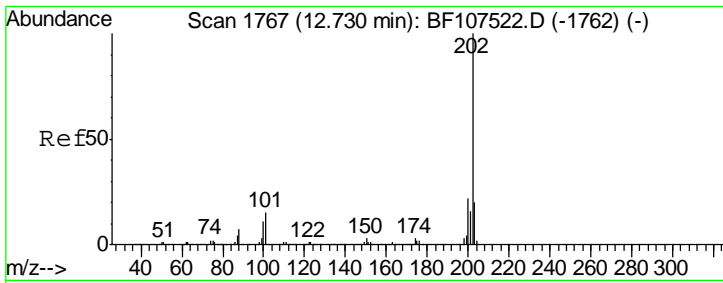


#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.708 ng
 RT: 10.72 min Scan# 1426
 Delta R.T. 0.11 min
 Lab File: BF107541.D
 Acq: 20 Jul 2018 23:11

Tgt Ion:198 Resp: 179

Ion	Ratio	Lower	Upper
198	100		
51	187.5	37.7	77.7#
105	423.1	36.3	76.3#

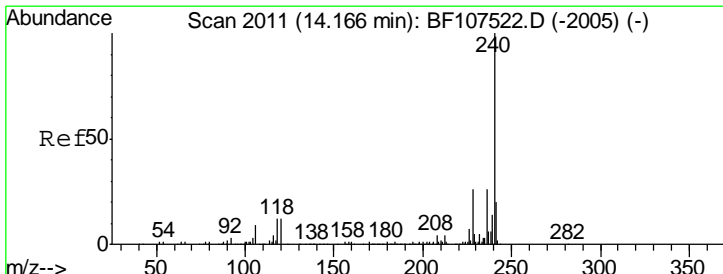
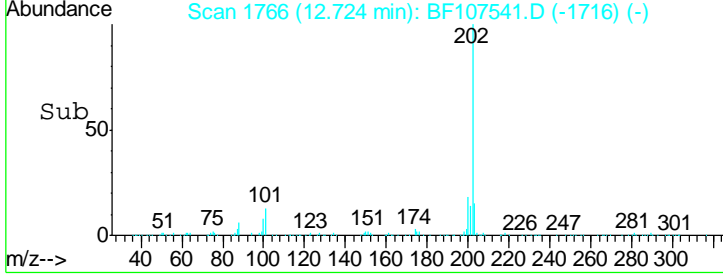
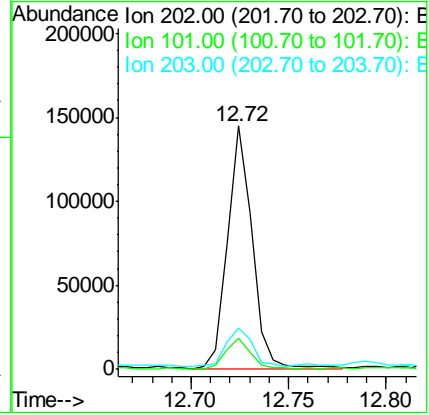
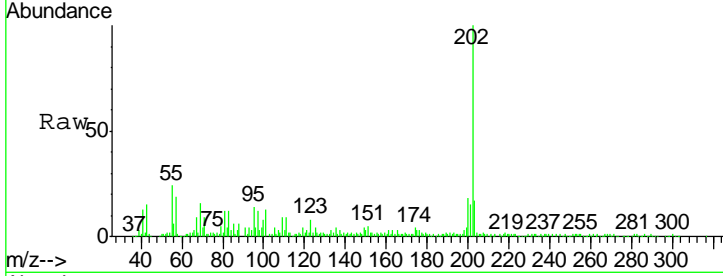




#74
 Fluoranthene
 Concen: 2.170 ng
 RT: 12.72 min Scan# 1766
 Delta R.T. -0.01 min
 Lab File: BF107541.D
 Acq: 20 Jul 2018 23:11

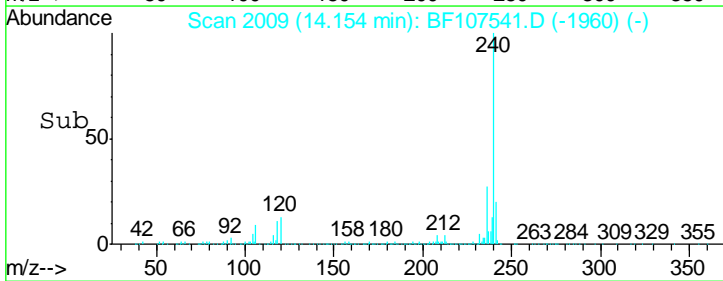
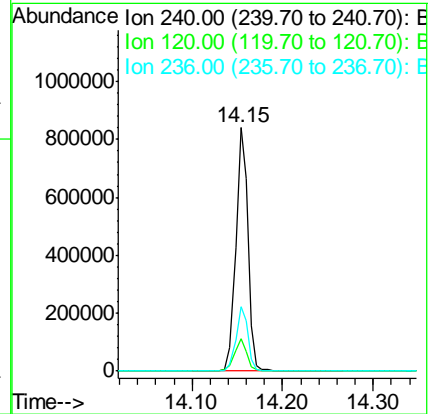
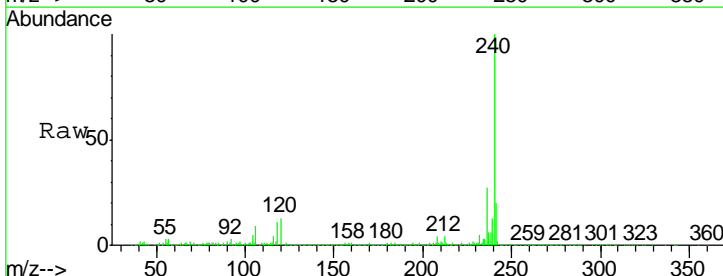
Instrument :
 BNA_F
 ClientSampled :
 LS-SOIL-1

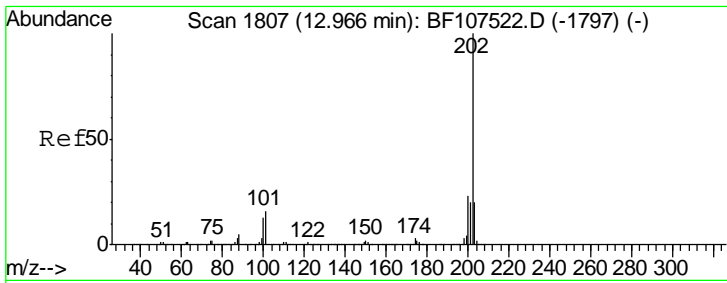
Tgt Ion	Resp	Lower	Upper
202	126021		
101	12.8	0.0	34.1
203	16.8	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.15 min Scan# 2009
 Delta R.T. -0.01 min
 Lab File: BF107541.D
 Acq: 20 Jul 2018 23:11

Tgt Ion	Resp	Lower	Upper
240	787783		
120	13.2	9.5	14.3
236	26.6	20.7	31.1

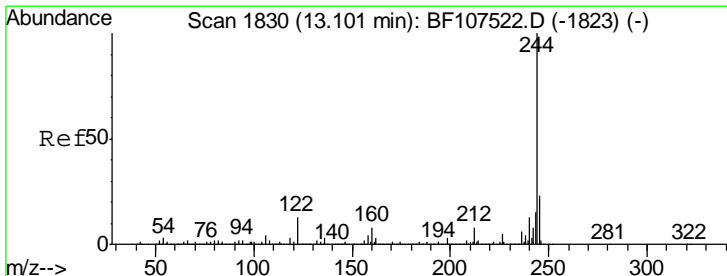
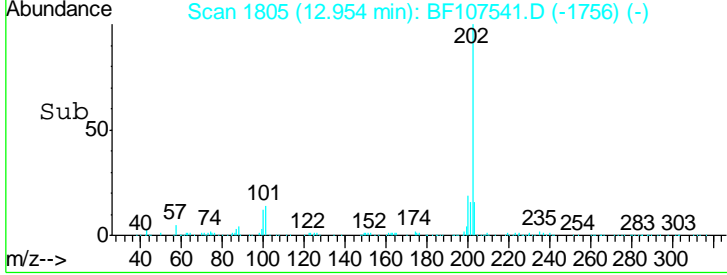
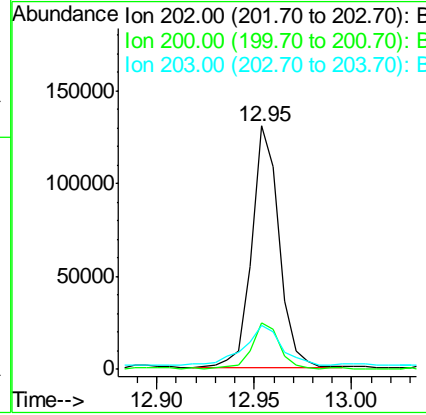
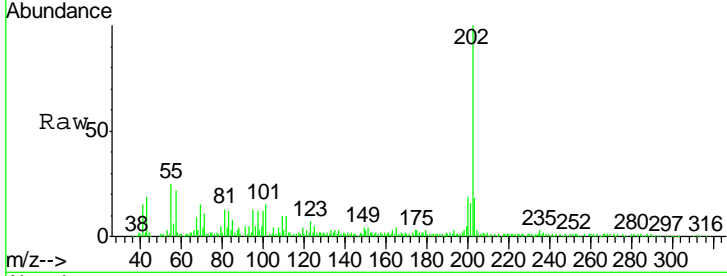




#77
 Pyrene
 Concen: 2.360 ng
 RT: 12.95 min Scan# 1805
 Delta R.T. -0.01 min
 Lab File: BF107541.D
 Acq: 20 Jul 2018 23:11

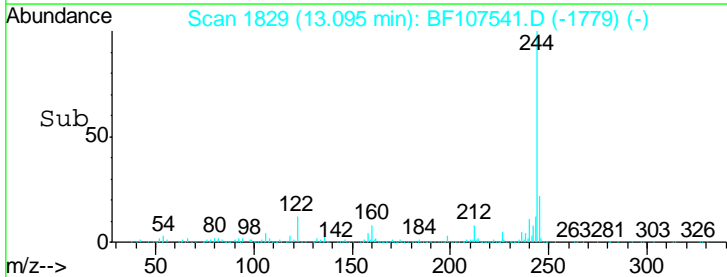
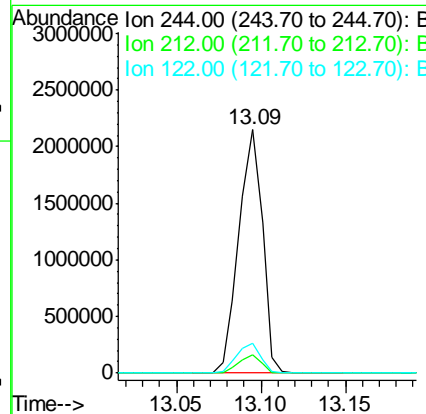
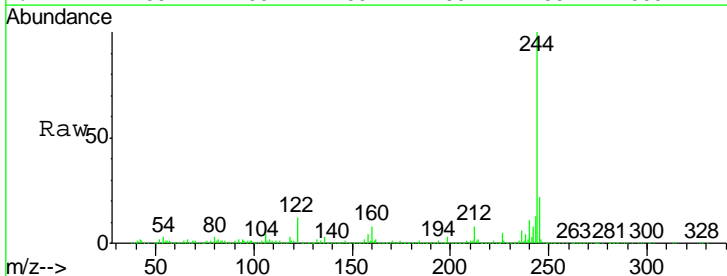
Instrument : BNA_F
 ClientSampled : LS-SOIL-1

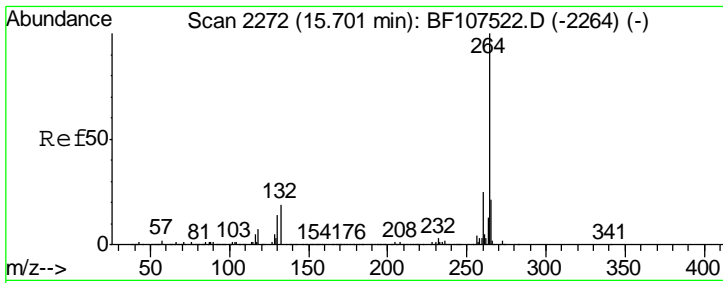
Tgt Ion	Resp	Lower	Upper
202	127192		
200	18.9	17.4	26.2
203	17.9	14.3	21.5



#78
 Terphenyl-d14
 Concen: 68.236 ng
 RT: 13.09 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BF107541.D
 Acq: 20 Jul 2018 23:11

Tgt Ion	Resp	Lower	Upper
244	2099736		
212	7.6	5.4	8.0
122	12.5	11.0	16.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: BF107541.D
 Acq: 20 Jul 2018 23:11

Instrument :
 BNA_F
 ClientSampled :
 LS-SOIL-1

Tgt Ion	Resp	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.4	17.5	26.3

