

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100118\
 Data File : BF109486.D
 Acq On : 1 Oct 2018 21:16
 Operator : JU/SJ
 Sample : J5170-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HC-SOIL-1

Quant Time: Oct 02 03:43:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

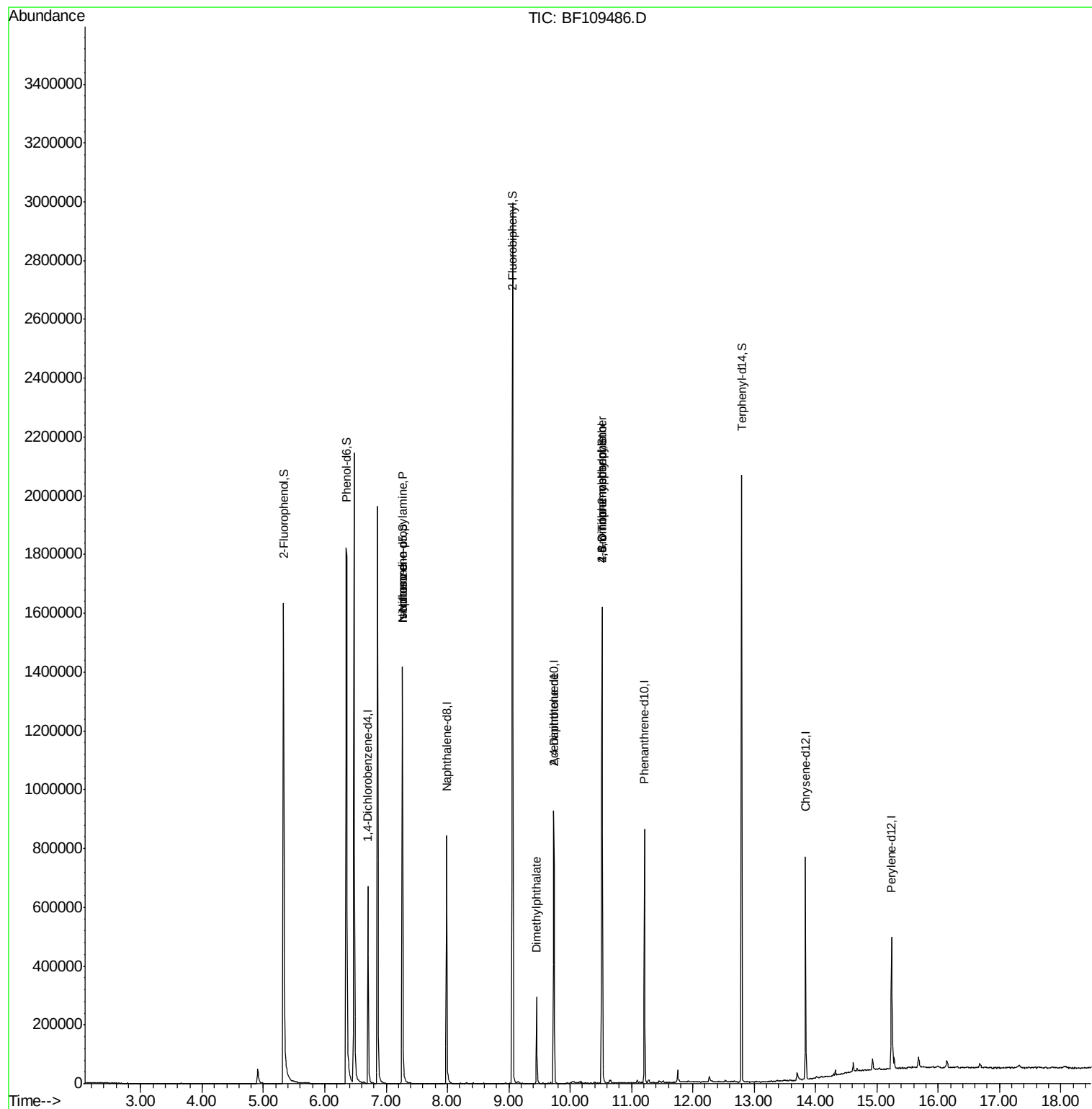
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	104457	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	395196	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	179347	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	321470	20.00	ng	0.00
75) Chrysene-d12	13.84	240	242591	20.00	ng	0.00
86) Perylene-d12	15.24	264	209431	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	644735	101.66	ng	0.01
7) Phenol-d6	6.36	99	817342	101.00	ng	0.00
23) Nitrobenzene-d5	7.27	82	507009	75.73	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	192137	108.68	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	899699	75.66	ng	-0.01
78) Terphenyl-d14	12.80	244	771516	78.05	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.27	70	68522	12.922	ng	# 75
25) Isophorone	7.27	82	485087	40.238	ng	# 64
49) Dimethylphthalate	9.46	163	130227	9.983	ng	# 99
56) 2,4-Dinitrotoluene	9.73	165	22852	6.991	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.52	198	330	6.741	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	11691	3.275	ng	# 1

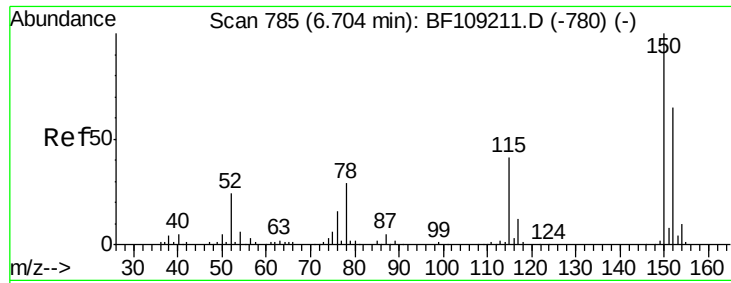
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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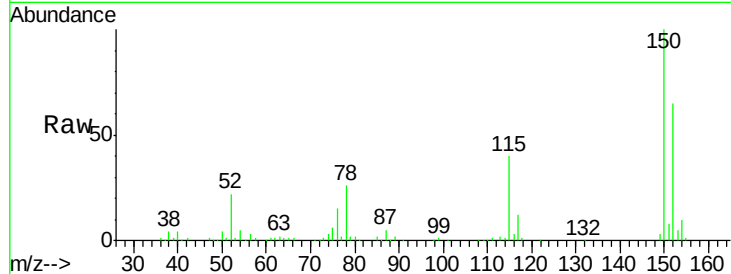


#1

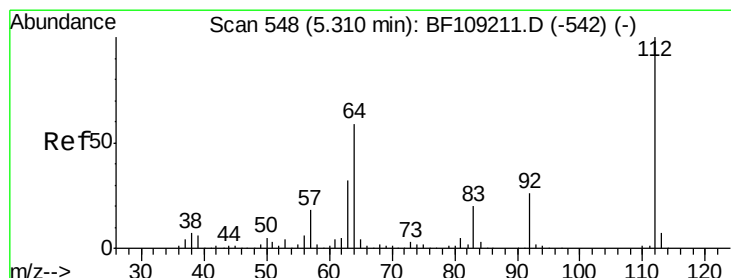
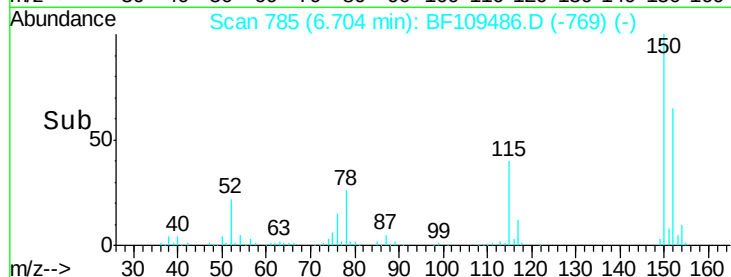
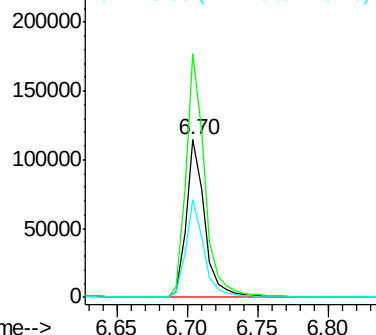
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109486.D
Acq: 1 Oct 2018 21:16

Instrument :
BNA_F
ClientSampleId :
HC-SOIL-1

Tgt Ion:152 Resp: 104457
Ion Ratio Lower Upper
152 100
150 154.3 124.6 186.8
115 61.5 50.1 75.1



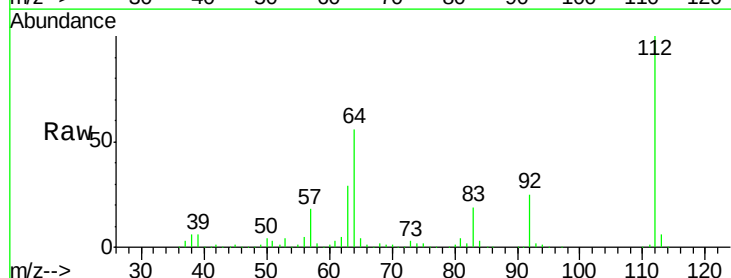
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



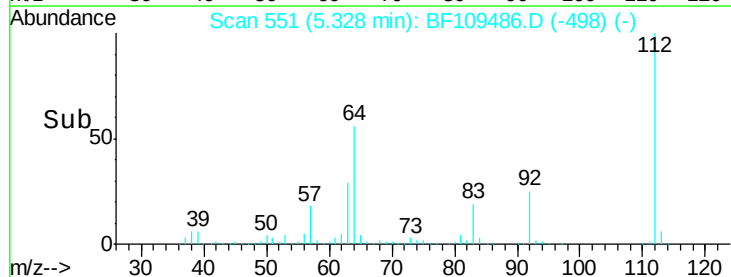
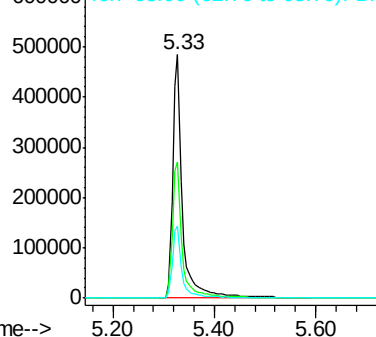
#5

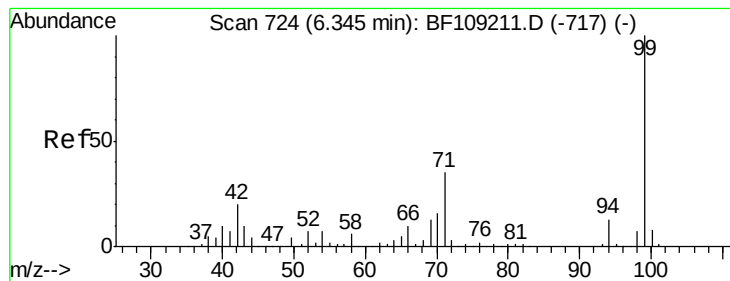
2-Fluorophenol
Concen: 101.662 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF109486.D
Acq: 1 Oct 2018 21:16

Tgt Ion:112 Resp: 644735
Ion Ratio Lower Upper
112 100
64 56.1 47.9 71.9
63 29.5 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: 100.999 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF109486.D

Acq: 1 Oct 2018 21:16

Instrument :

BNA_F

ClientSampleId :

HC-SOIL-1

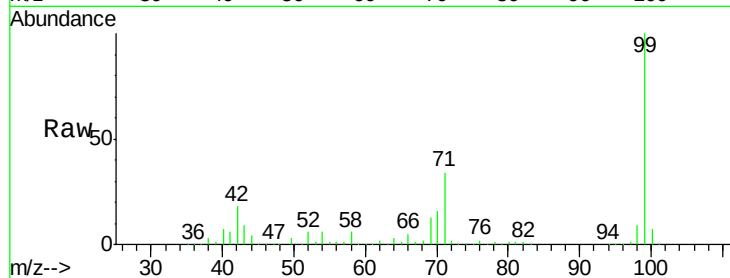
Tgt Ion: 99 Resp: 817342

Ion Ratio Lower Upper

99 100

42 17.6 14.5 21.7

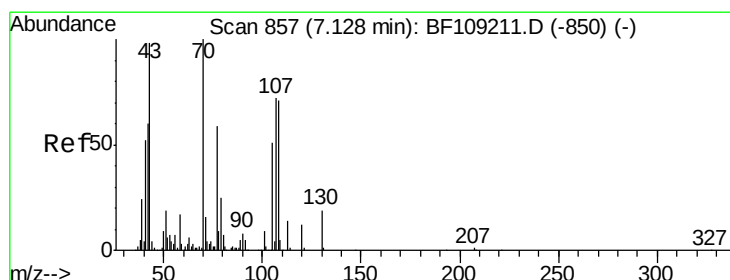
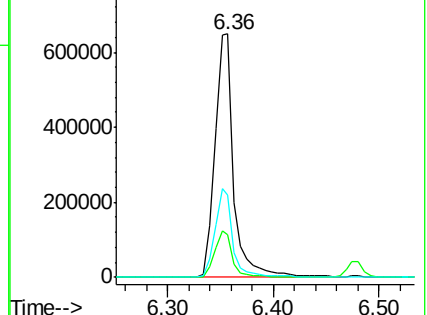
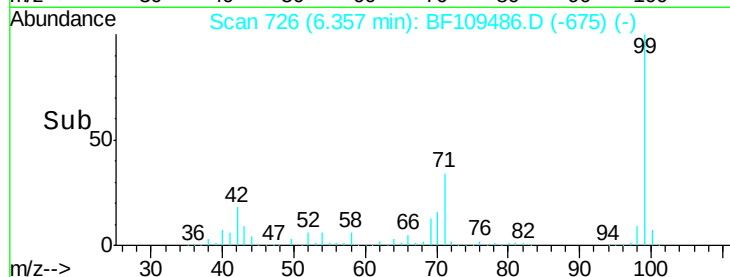
71 33.8 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.922 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.12 min

Lab File: BF109486.D

Acq: 1 Oct 2018 21:16

Tgt Ion: 70 Resp: 68522

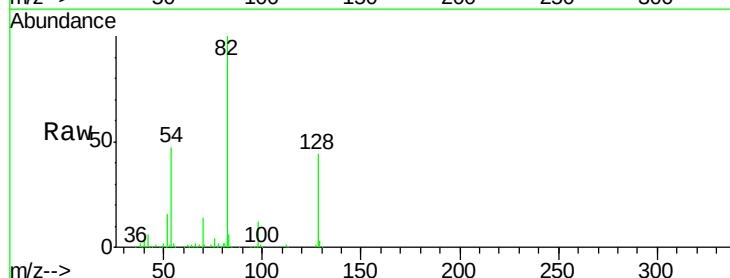
Ion Ratio Lower Upper

70 100

42 44.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

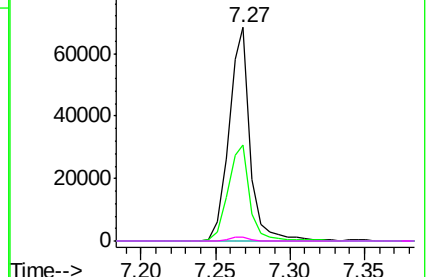
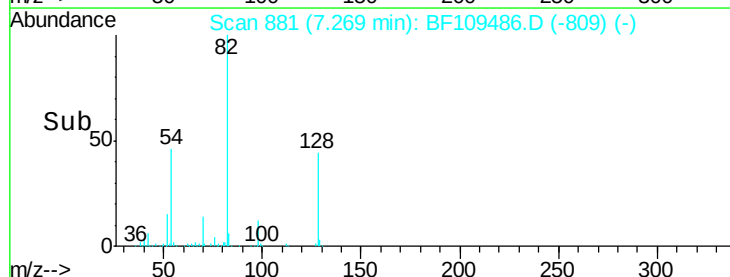


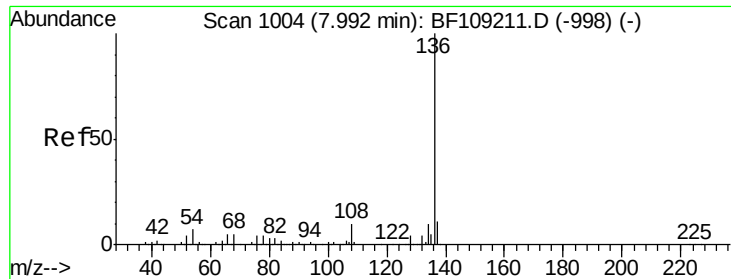
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

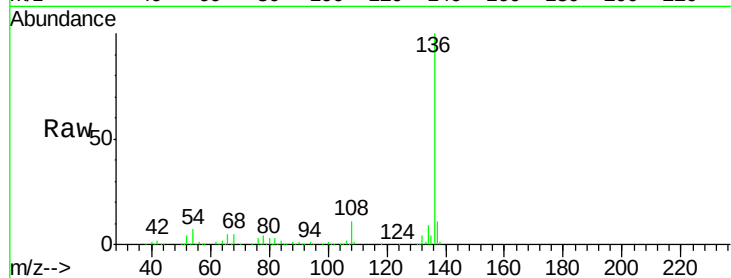




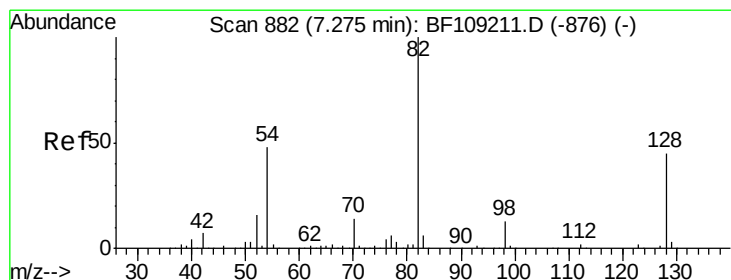
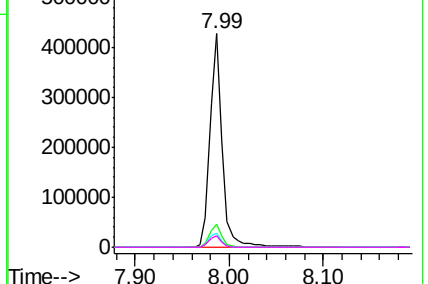
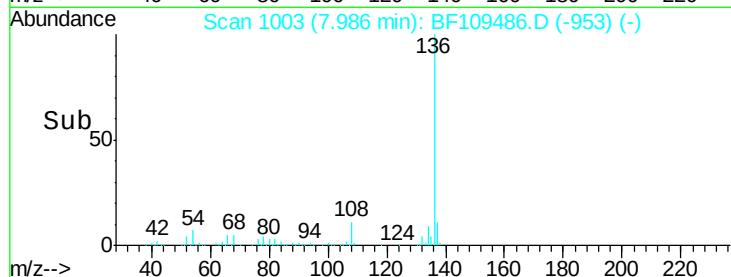
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF109486.D
Acq: 1 Oct 2018 21:16

Instrument :
BNA_F
ClientSampleId :
HC-SOIL-1

Tgt Ion:	136	Resp:	395196
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	6.6	6.6	9.8
68	5.3	5.0	7.4

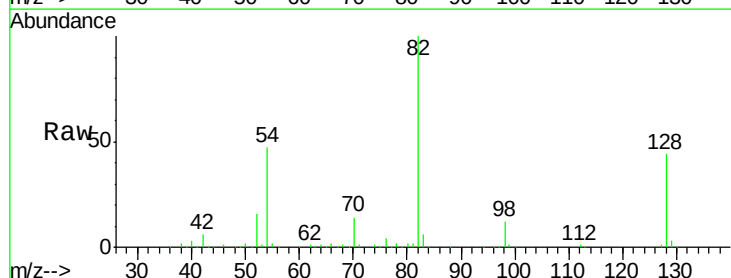


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

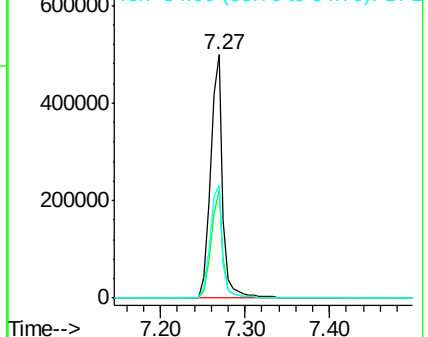
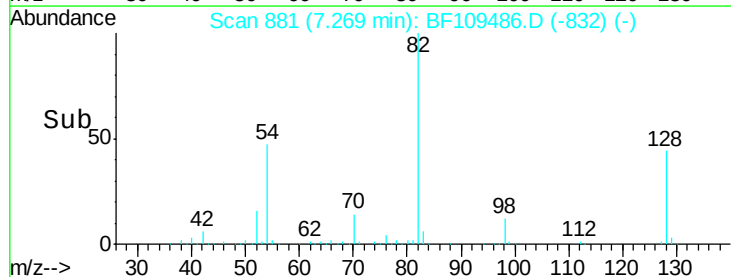


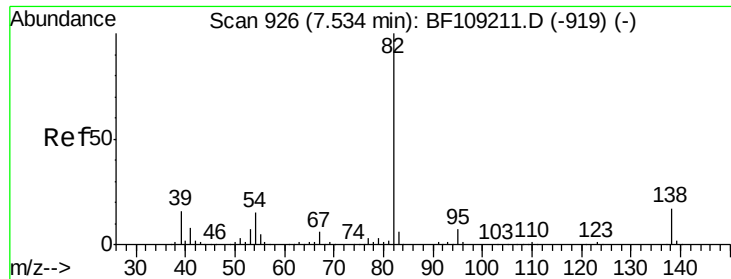
#23
Nitrobenzene-d5
Concen: 75.733 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF109486.D
Acq: 1 Oct 2018 21:16

Tgt Ion:	82	Resp:	507009
Ion	Ratio	Lower	Upper
82	100		
128	44.3	36.1	54.1
54	46.6	41.4	62.2



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

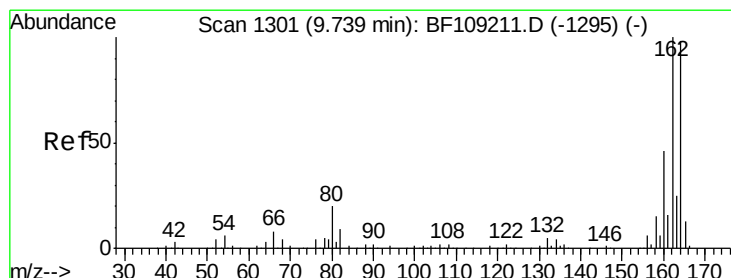
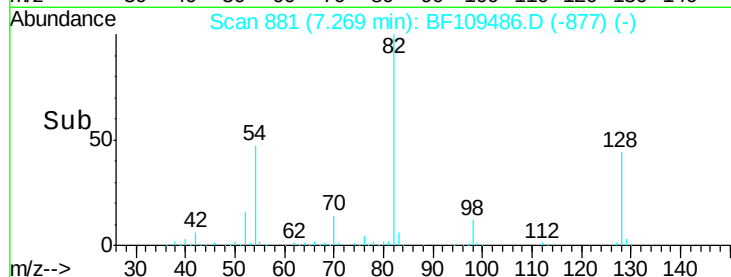
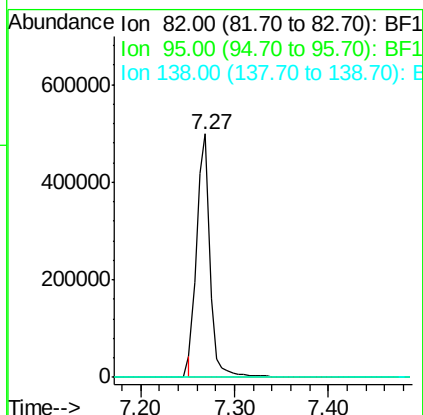
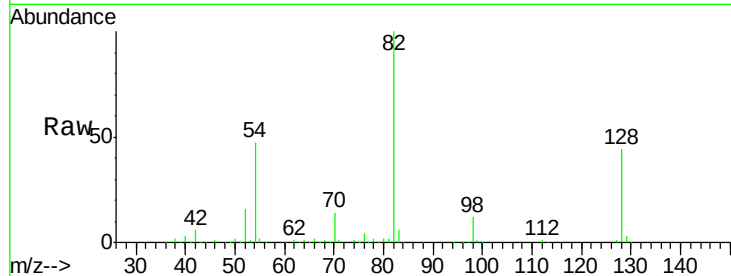




#25
Isophorone
Concen: 40.238 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.28 min
Lab File: BF109486.D
Acq: 1 Oct 2018 21:16

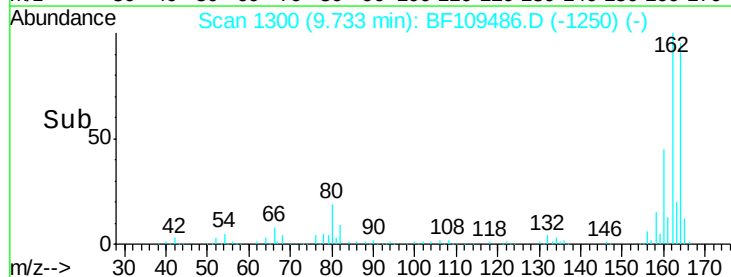
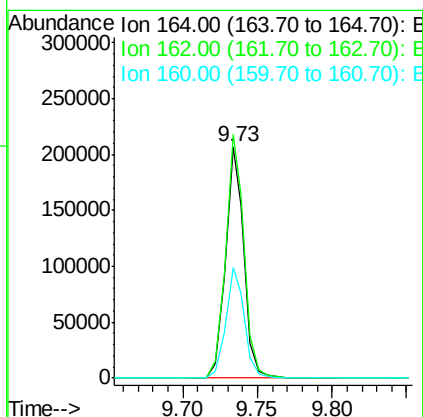
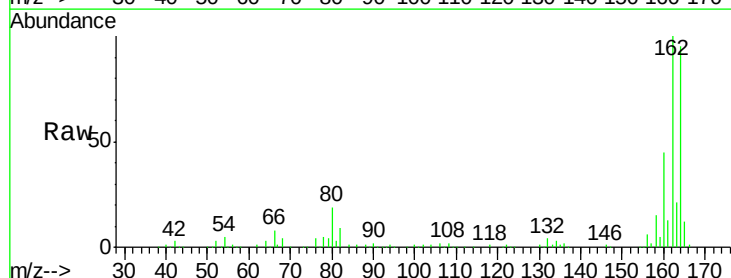
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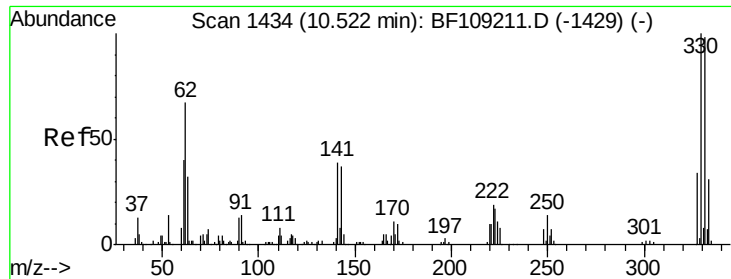
Tgt Ion: 82 Resp: 485087
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF109486.D
Acq: 1 Oct 2018 21:16

Tgt Ion: 164 Resp: 179347
Ion Ratio Lower Upper
164 100
162 105.4 86.1 129.1
160 47.6 38.3 57.5

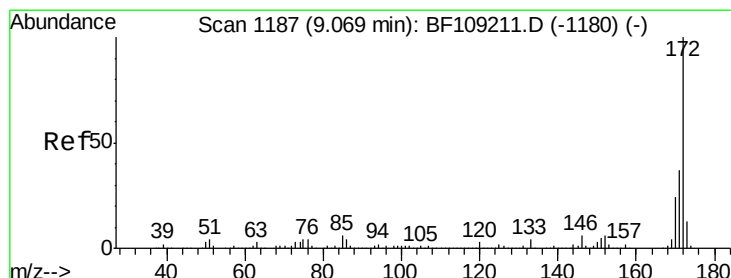
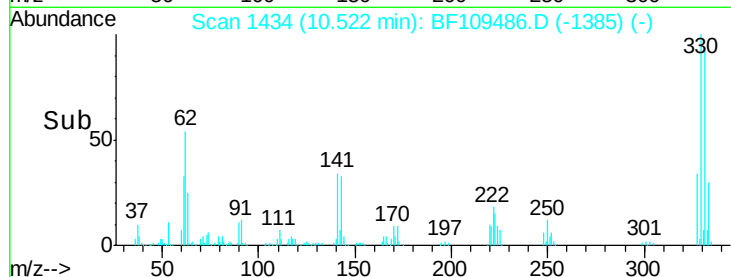
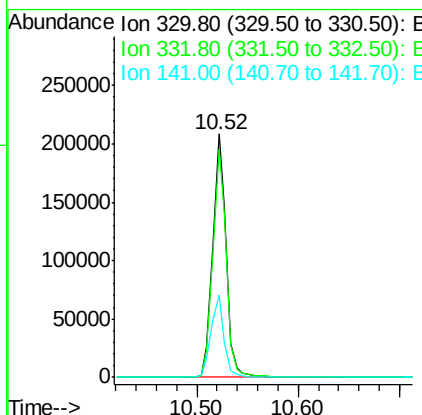
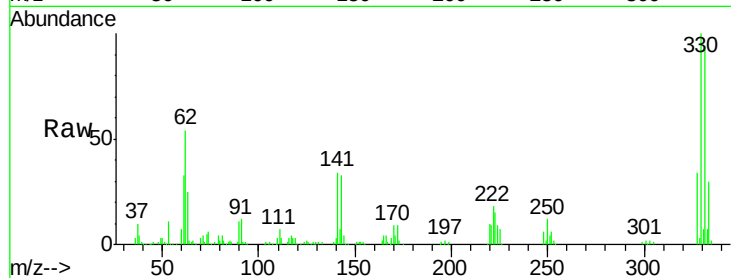




#41
 2,4,6-Tribromophenol
 Concen: 108.675 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109486.D
 Acq: 1 Oct 2018 21:16

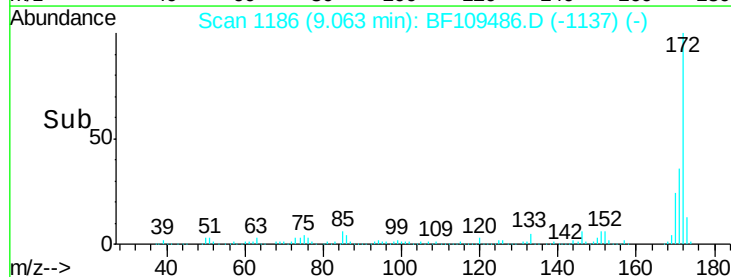
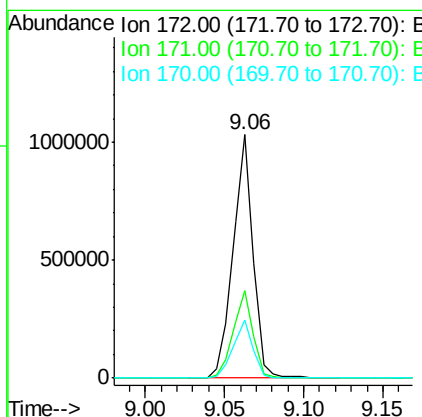
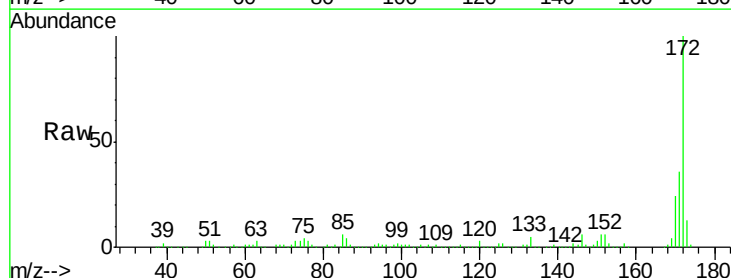
Instrument :
 BNA_F
 ClientSampleId :
 HC-SOIL-1

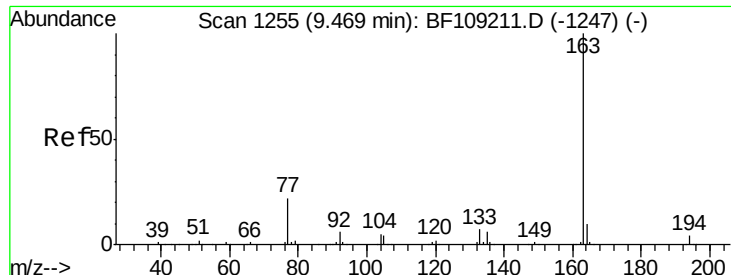
Tgt Ion:330 Resp: 192137
 Ion Ratio Lower Upper
 330 100
 332 94.1 77.0 115.6
 141 32.9 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 75.659 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109486.D
 Acq: 1 Oct 2018 21:16

Tgt Ion:172 Resp: 899699
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.7 44.5
 170 23.9 19.6 29.4

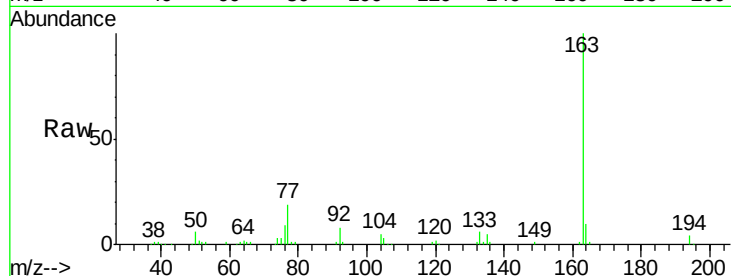




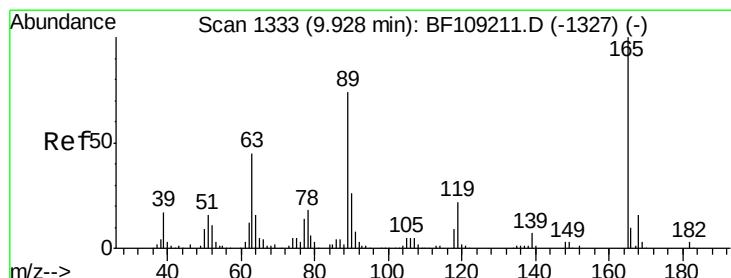
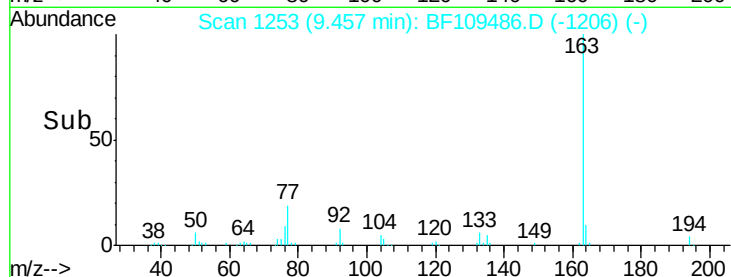
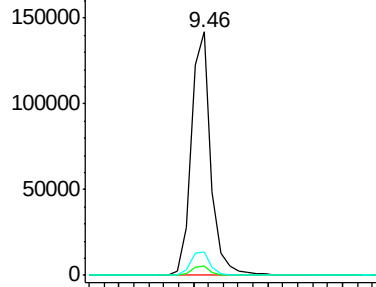
#49
Dimethylphthalate
Concen: 9.983 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109486.D
Acq: 1 Oct 2018 21:16

Instrument :
BNA_F
ClientSampleId :
HC-SOIL-1

Tgt Ion:163 Resp: 130227
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 9.8 8.2 12.2

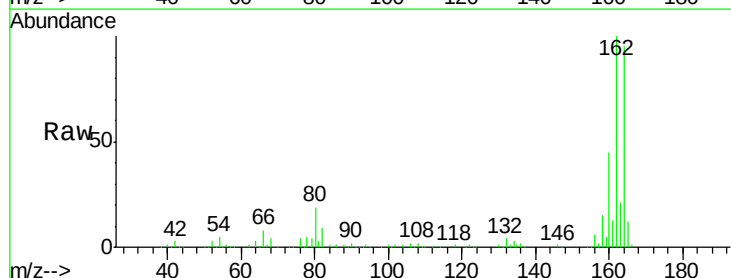


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

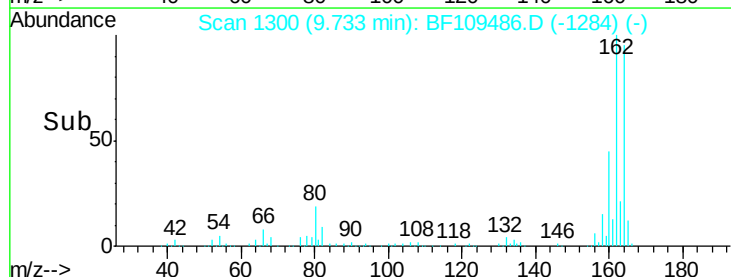
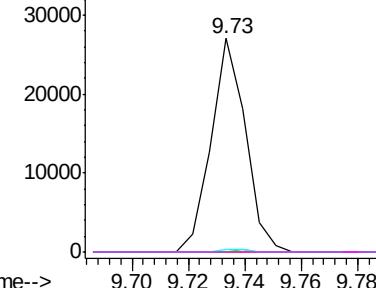


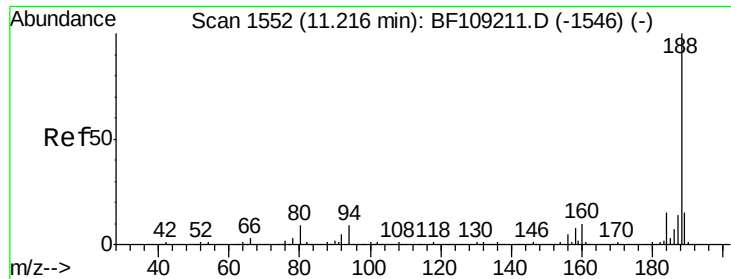
#56
2,4-Dinitrotoluene
Concen: 6.991 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.21 min
Lab File: BF109486.D
Acq: 1 Oct 2018 21:16

Tgt Ion:165 Resp: 22852
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 1.3 57.8 86.6#
182 0.0 1.6 2.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

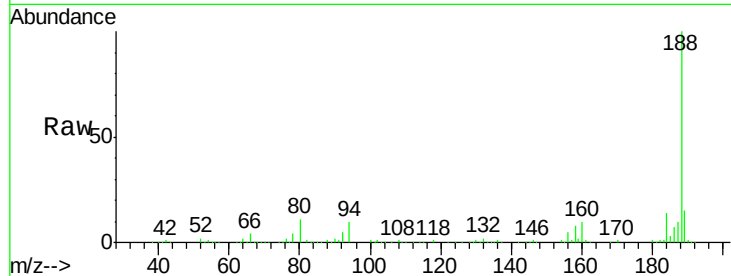




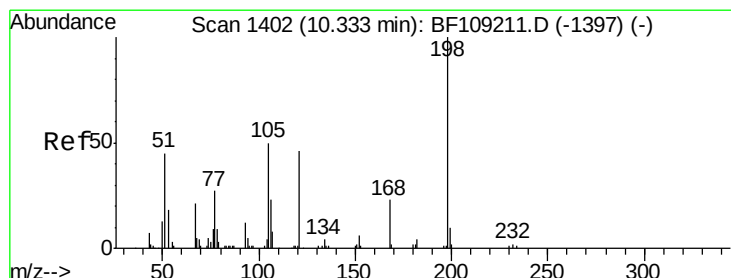
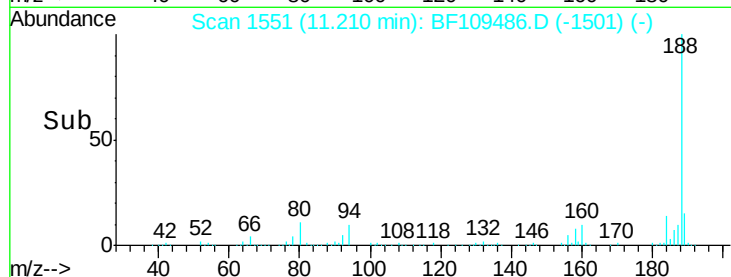
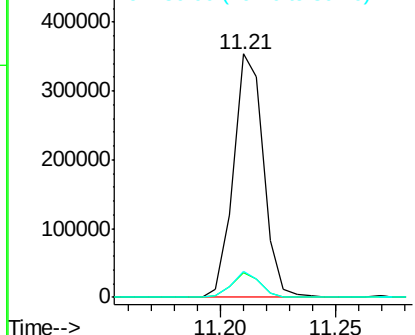
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF109486.D
 Acq: 1 Oct 2018 21:16

Instrument :
 BNA_F
 ClientSampleId :
 HC-SOIL-1

Tgt Ion:188 Resp: 321470
 Ion Ratio Lower Upper
 188 100
 94 9.9 8.5 12.7
 80 10.7 9.2 13.8

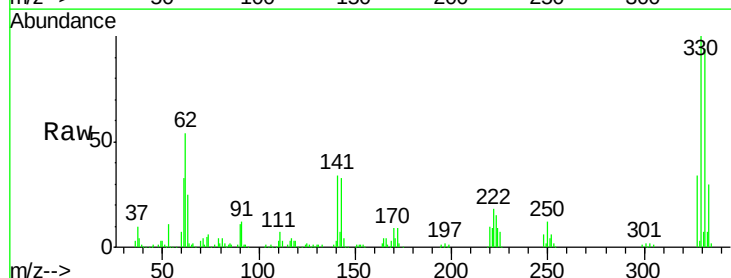


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

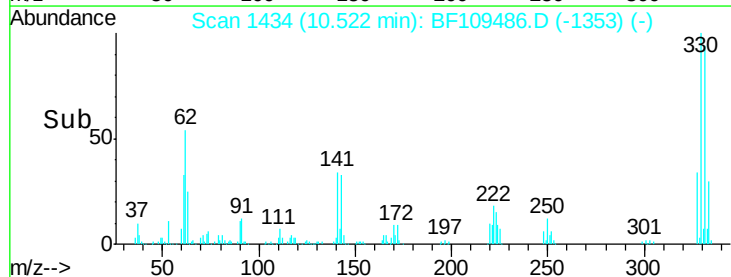
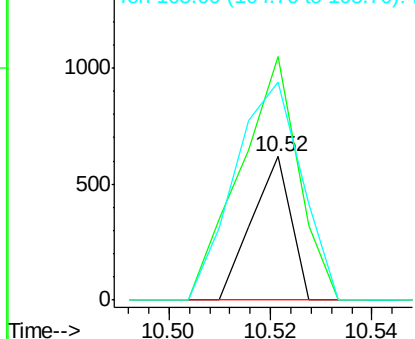


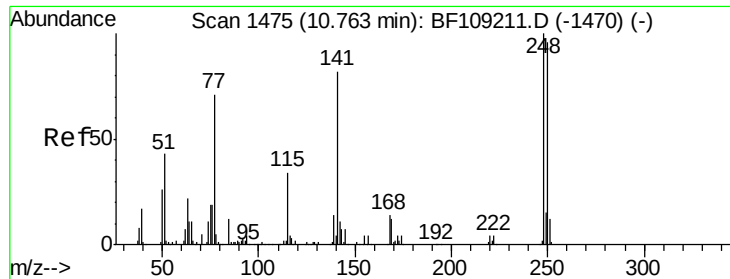
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.741 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.18 min
 Lab File: BF109486.D
 Acq: 1 Oct 2018 21:16

Tgt Ion:198 Resp: 330
 Ion Ratio Lower Upper
 198 100
 51 169.5 37.7 77.7#
 105 152.0 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

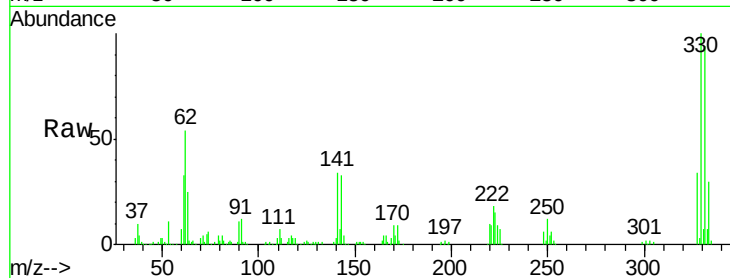




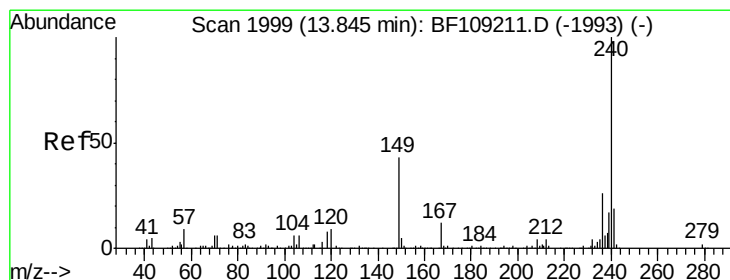
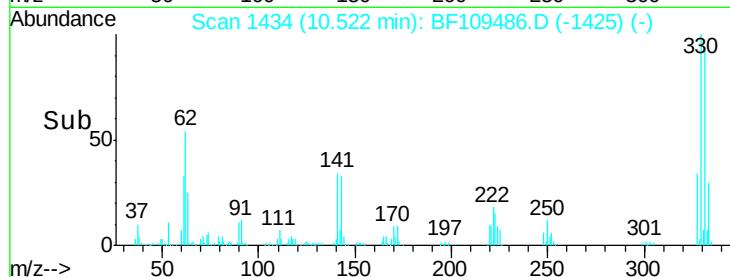
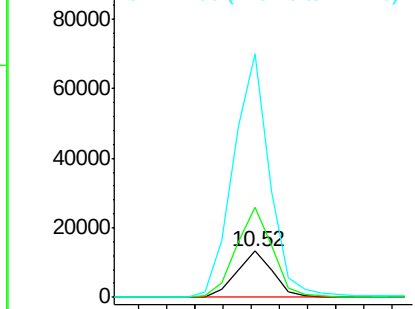
#66
4-Bromophenyl-phenylether
Concen: 3.275 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.25 min
Lab File: BF109486.D
Acq: 1 Oct 2018 21:16

Instrument :
BNA_F
ClientSampleId :
HC-SOIL-1

Tgt Ion:248 Resp: 11691
Ion Ratio Lower Upper
248 100
250 193.7 76.9 115.3#
141 527.1 74.4 111.6#

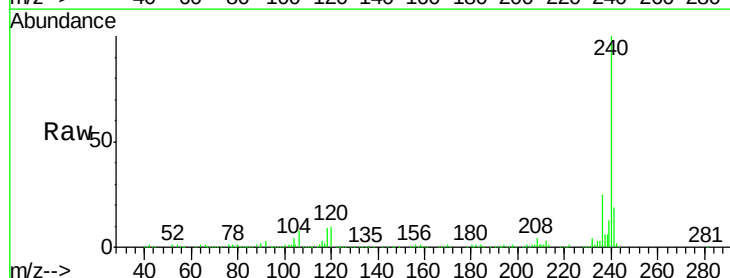


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

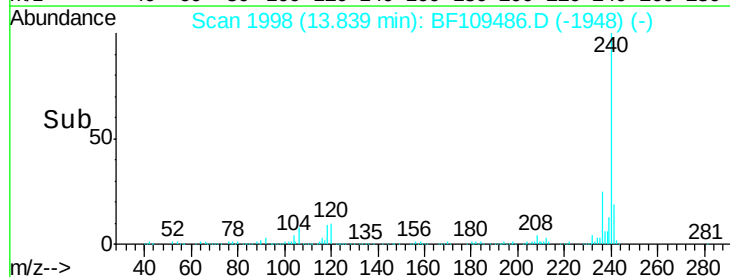
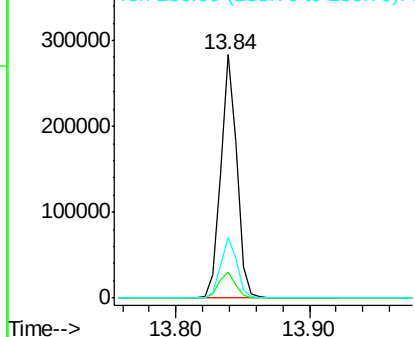


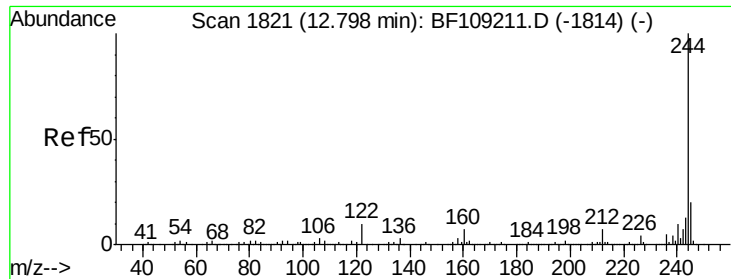
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF109486.D
Acq: 1 Oct 2018 21:16

Tgt Ion:240 Resp: 242591
Ion Ratio Lower Upper
240 100
120 10.5 9.5 14.3
236 24.9 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

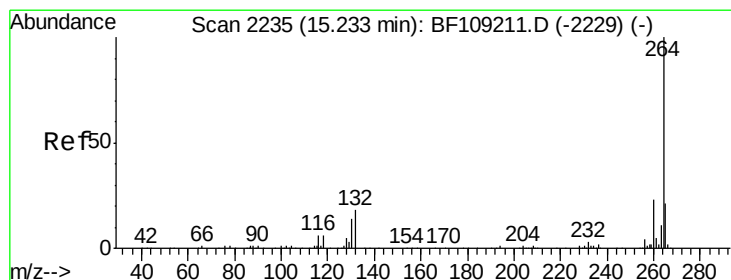
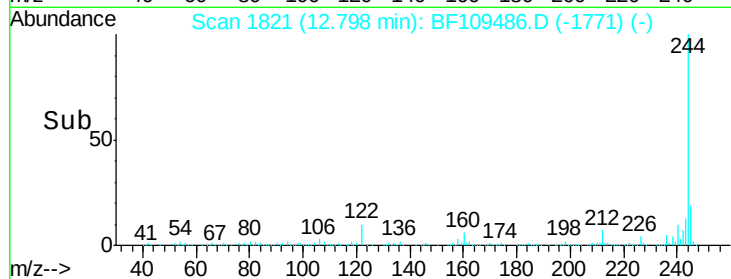
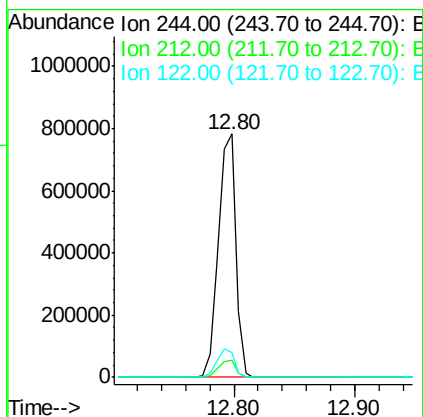
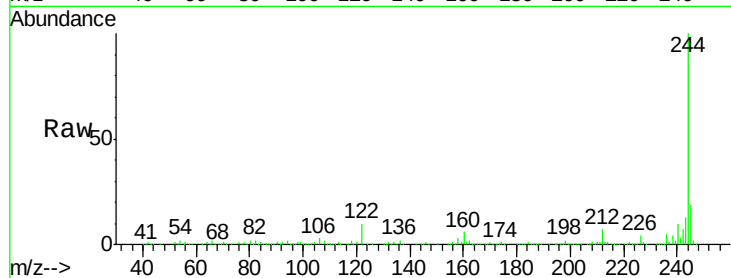




#78
 Terphenyl-d14
 Concen: 78.050 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: BF109486.D
 Acq: 1 Oct 2018 21:16

Instrument :
 BNA_F
 ClientSampleId :
 HC-SOIL-1

Tgt Ion:244 Resp: 771516
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 10.1 11.0 16.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2237
 Delta R.T. 0.01 min
 Lab File: BF109486.D
 Acq: 1 Oct 2018 21:16

Tgt Ion:264 Resp: 209431
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.2 28.8
 265 21.7 17.5 26.3

