

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
 Data File : BF104988.D
 Acq On : 1 May 2018 17:15
 Operator : JU/SJ
 Sample : J2616-37
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HOPE-CREEK-SOIL

Quant Time: May 02 06:50:21 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 01 16:13:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	113980	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	486544	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	225260	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	390475	20.00	ng	0.00
75) Chrysene-d12	14.03	240	272743	20.00	ng	0.06
86) Perylene-d12	15.61	264	239961	20.00	ng	0.18
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	718329	96.36	ng	0.00
7) Phenol-d6	6.43	99	859451	93.84	ng	0.00
23) Nitrobenzene-d5	7.36	82	530317	71.17	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	225509	96.51	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	872421	61.18	ng	0.00
78) Terphenyl-d14	12.92	244	778614	65.08	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	67439	11.268	ng	# 72
25) Isophorone	7.36	82	530313	33.657	ng	# 64
49) Dimethylphthalate	9.54	163	111382	6.270	ng	100
56) 2,4-Dinitrotoluene	9.83	165	29033	6.734	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	343	7.500	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	13888	3.344	ng	# 1
76) Benzidine	12.92	184	10643	Below Cal		# 95

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

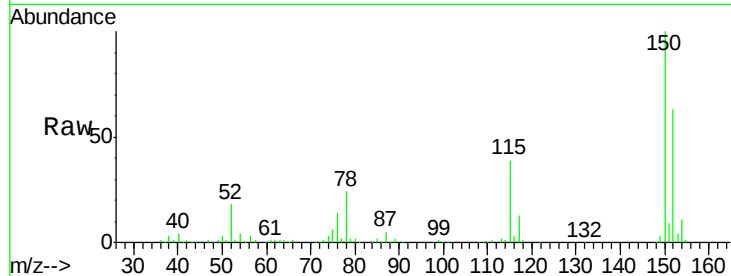


#1

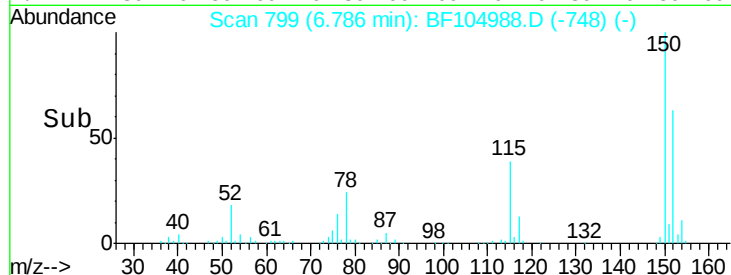
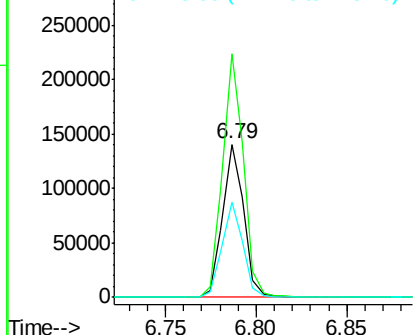
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF104988.D
Acq: 1 May 2018 17:15

Instrument :
BNA_F
ClientSampleId :
HOPE-CREEK-SOIL

Tgt Ion:152 Resp: 113980
Ion Ratio Lower Upper
152 100
150 159.2 124.6 186.8
115 62.6 50.1 75.1



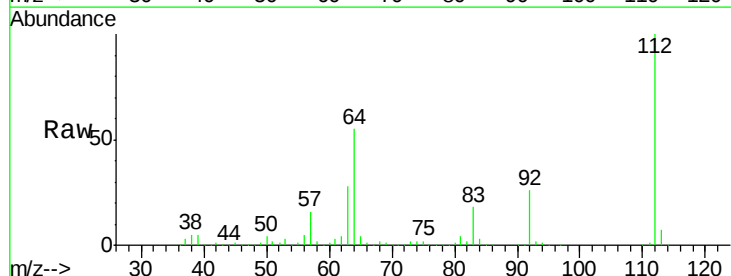
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



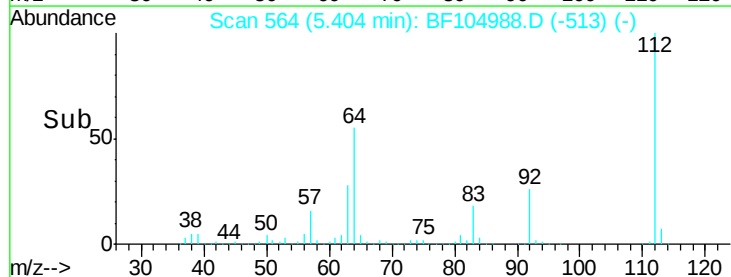
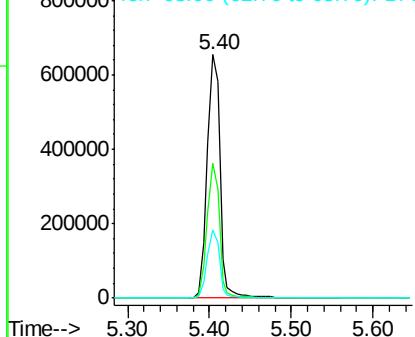
#5

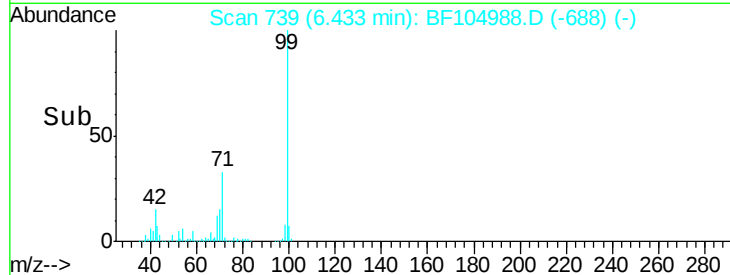
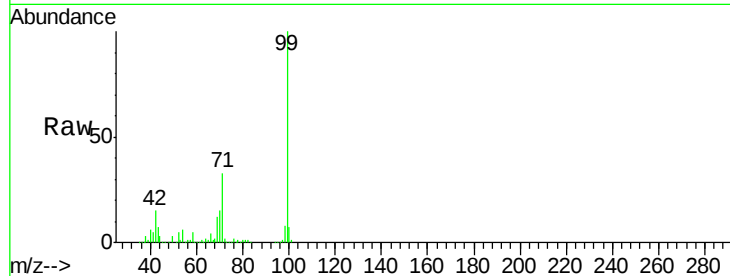
2-Fluorophenol
Concen: 96.365 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.00 min
Lab File: BF104988.D
Acq: 1 May 2018 17:15

Tgt Ion:112 Resp: 718329
Ion Ratio Lower Upper
112 100
64 55.2 47.9 71.9
63 28.2 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: 93.838 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF104988.D

Acq: 1 May 2018 17:15

Instrument :

BNA_F

ClientSampleId :

HOPE-CREEK-SOIL

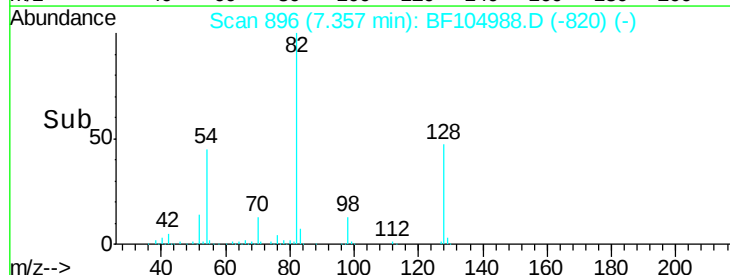
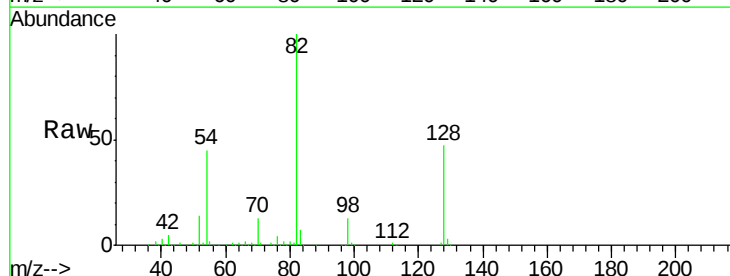
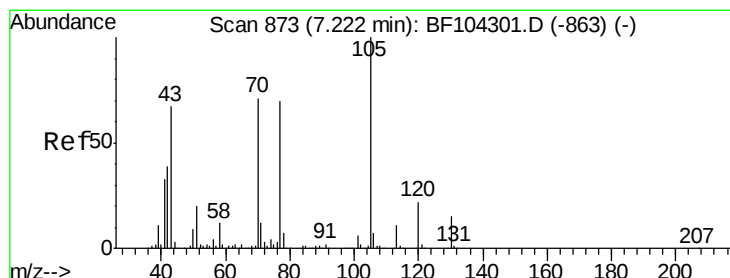
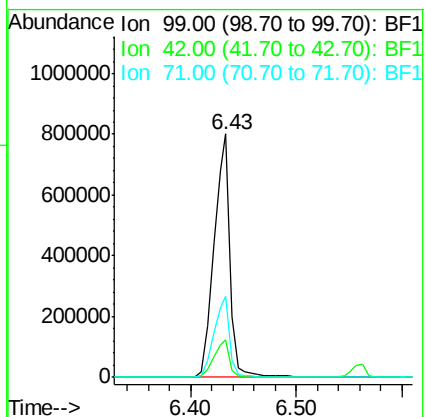
Tgt Ion: 99 Resp: 859451

Ion Ratio Lower Upper

99 100

42 15.2 14.5 21.7

71 33.3 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.268 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF104988.D

Acq: 1 May 2018 17:15

Tgt Ion: 70 Resp: 67439

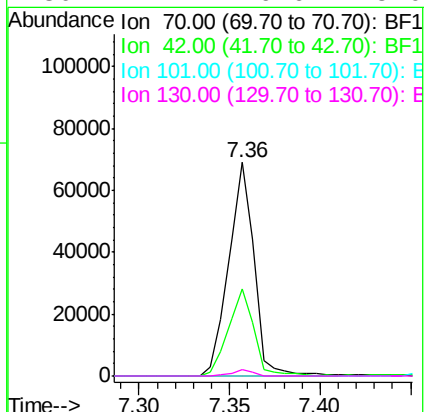
Ion Ratio Lower Upper

70 100

42 40.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#

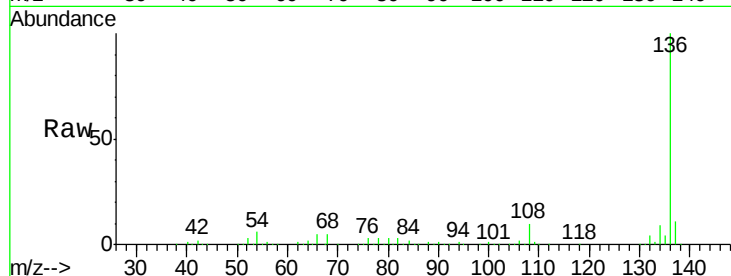




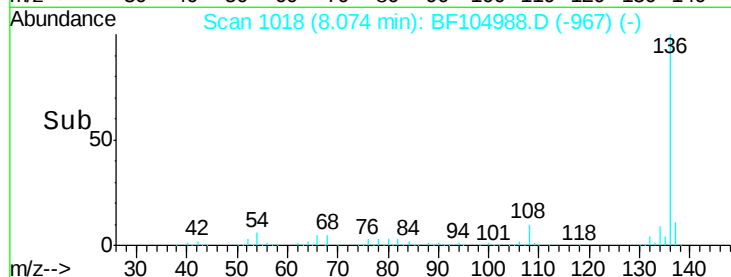
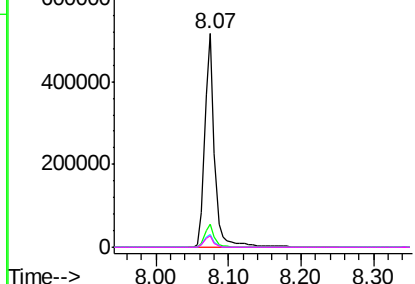
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BF104988.D
Acq: 1 May 2018 17:15

Instrument :
BNA_F
ClientSampleId :
HOPE-CREEK-SOIL

Tgt Ion:	136	Resp:	486544
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.1	6.6	9.8#
68	5.4	5.0	7.4

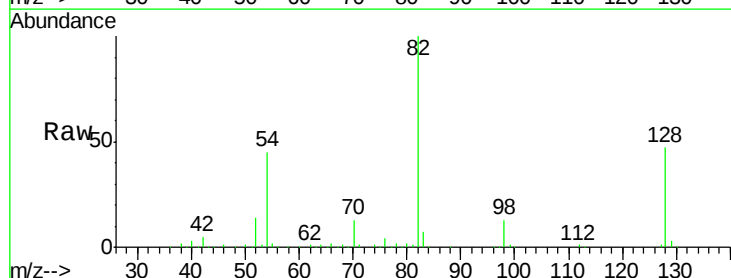


Abundance Ion 136.00 (135.70 to 136.70): E
800000
Ion 137.00 (136.70 to 137.70): E
600000
Ion 54.00 (53.70 to 54.70): BF1
400000
Ion 68.00 (67.70 to 68.70): BF1
200000
0

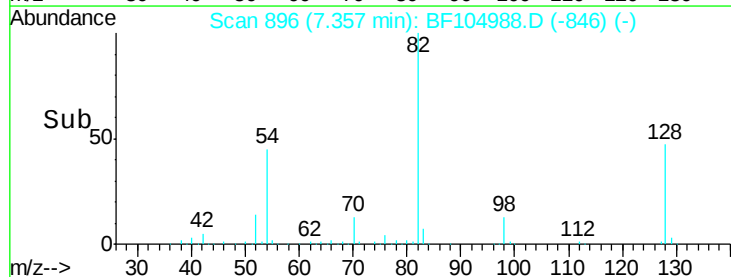
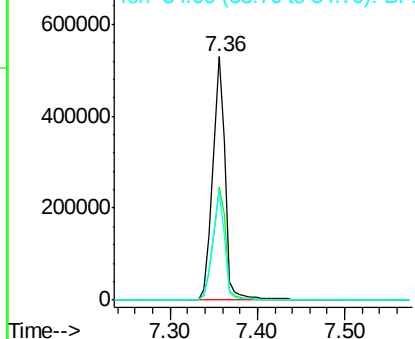


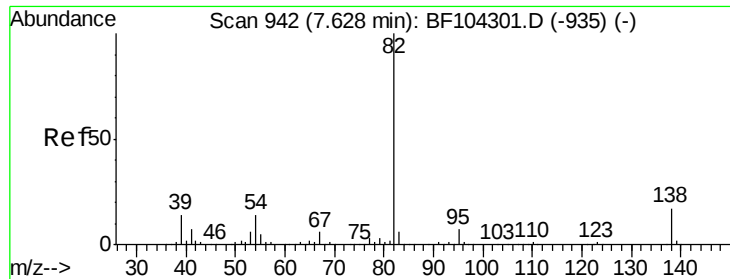
#23
Nitrobenzene-d5
Concen: 71.173 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF104988.D
Acq: 1 May 2018 17:15

Tgt Ion:	82	Resp:	530317
Ion	Ratio	Lower	Upper
82	100		
128	46.7	36.1	54.1
54	45.0	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
600000
Ion 128.00 (127.70 to 128.70): E
400000
Ion 54.00 (53.70 to 54.70): BF1
200000
0





#25

Isophorone

Concen: 33.657 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF104988.D

Acq: 1 May 2018 17:15

Instrument :

BNA_F

ClientSampleId :

HOPE-CREEK-SOIL

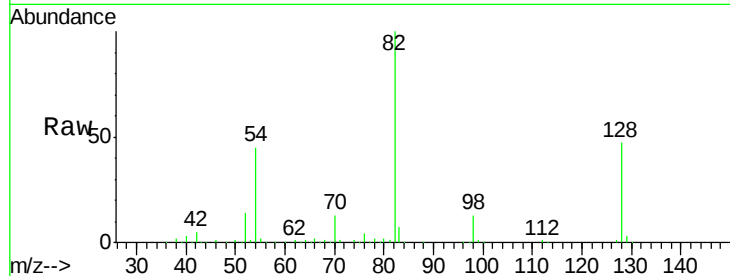
Tgt Ion: 82 Resp: 530313

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

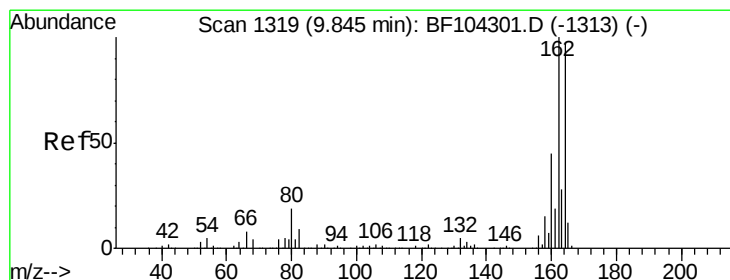
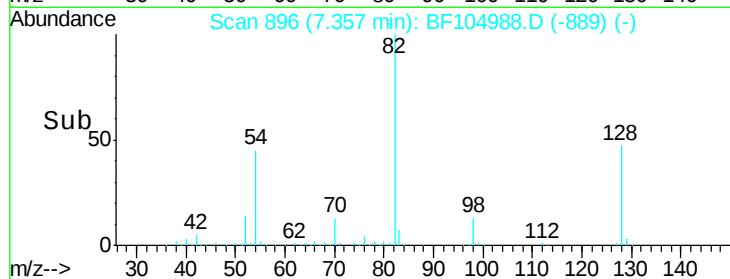
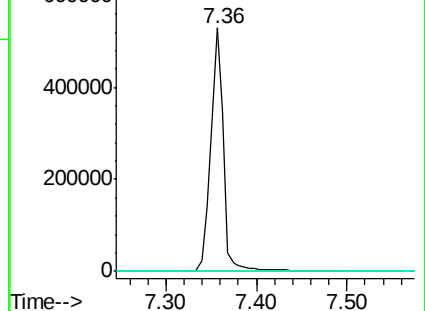
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF104988.D

Acq: 1 May 2018 17:15

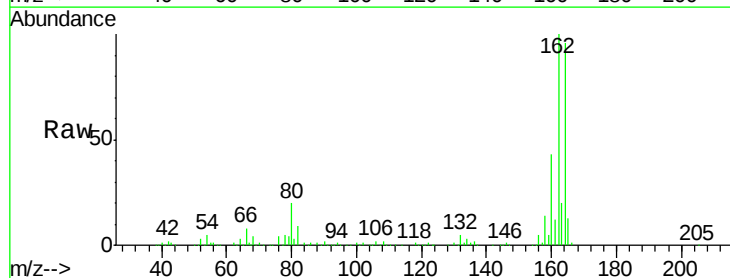
Tgt Ion: 164 Resp: 225260

Ion Ratio Lower Upper

164 100

162 104.5 86.1 129.1

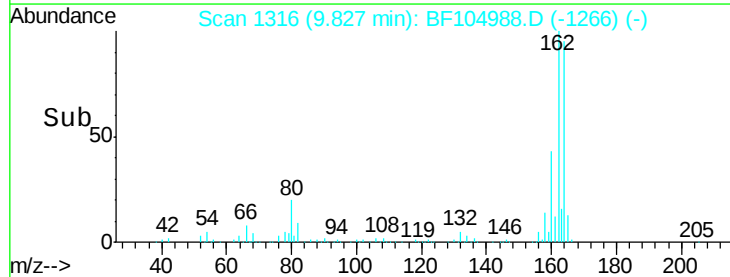
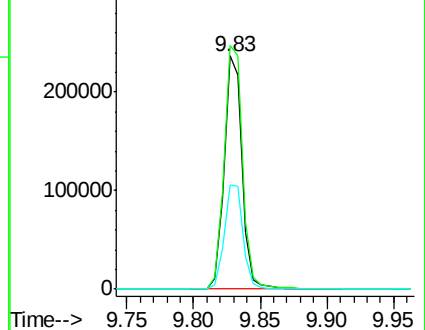
160 44.9 38.3 57.5



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

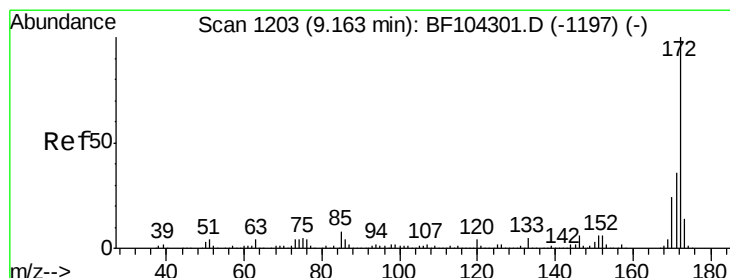
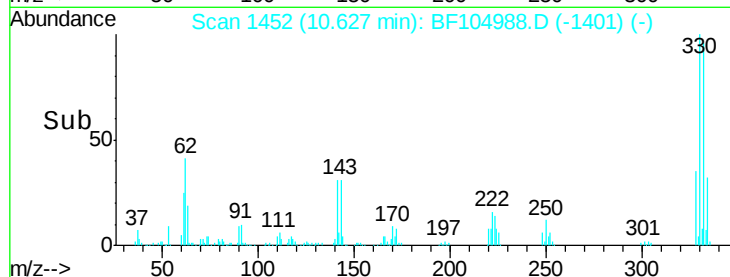
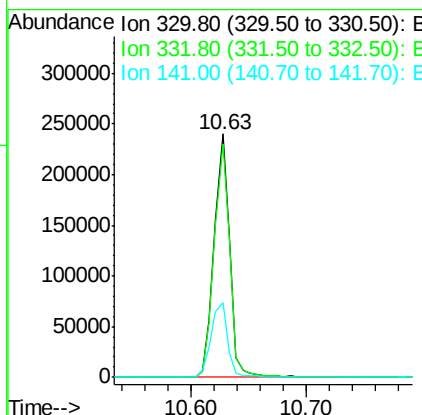
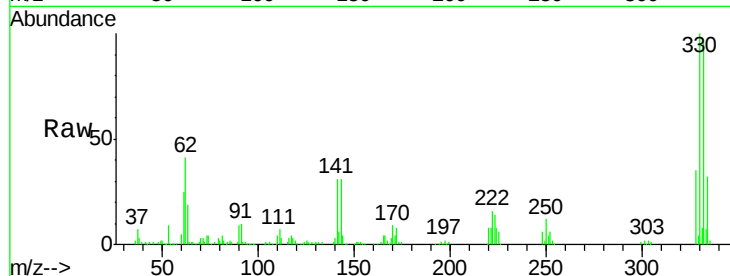




#41
 2,4,6-Tribromophenol
 Concen: 96.508 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: BF104988.D
 Acq: 1 May 2018 17:15

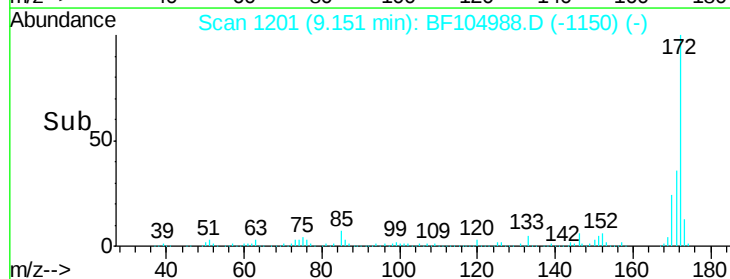
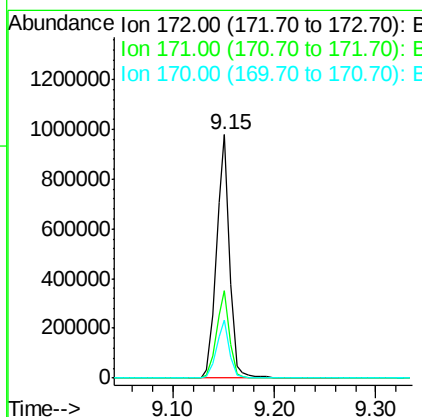
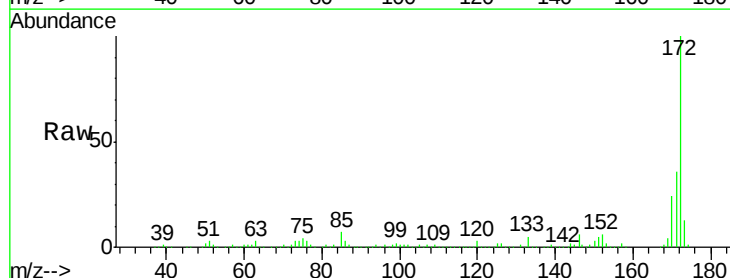
Instrument :
 BNA_F
 ClientSampleId :
 HOPE-CREEK-SOIL

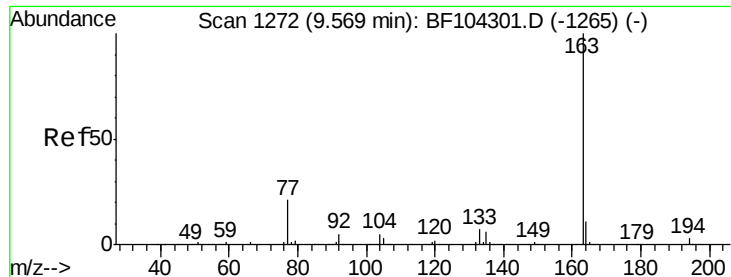
Tgt Ion:330 Resp: 225509
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.0 115.6
 141 33.1 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 61.183 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: BF104988.D
 Acq: 1 May 2018 17:15

Tgt Ion:172 Resp: 872421
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 23.8 19.6 29.4

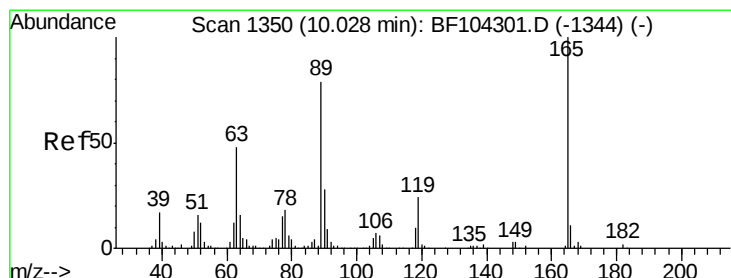
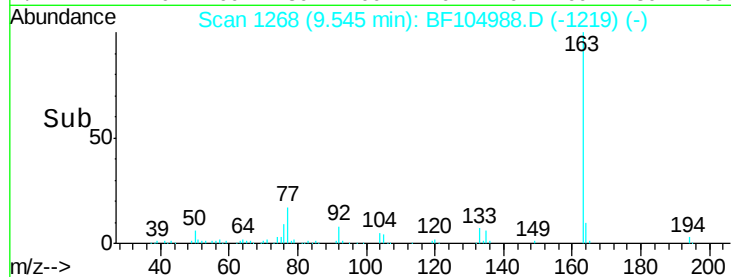
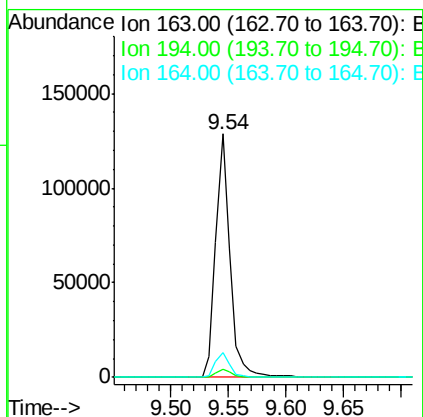
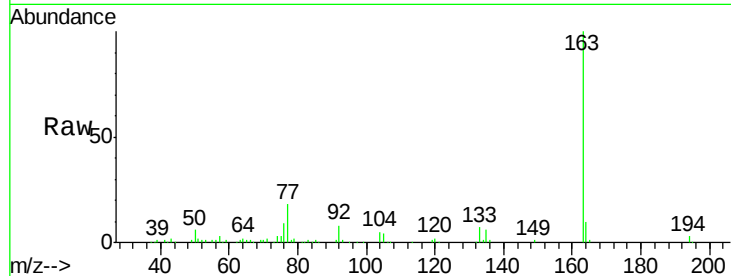




#49
Dimethylphthalate
Concen: 6.270 ng
RT: 9.54 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF104988.D
Acq: 1 May 2018 17:15

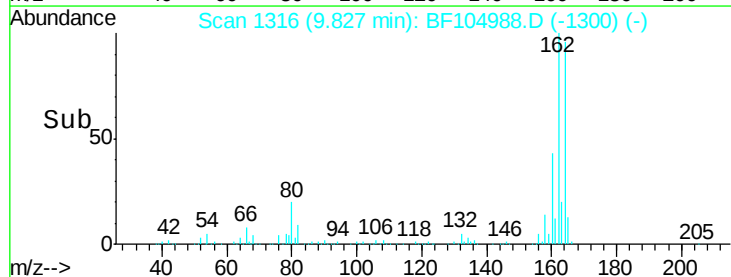
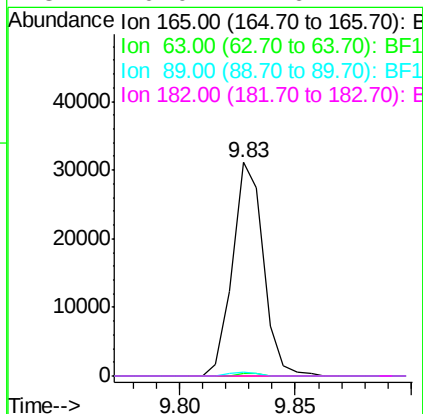
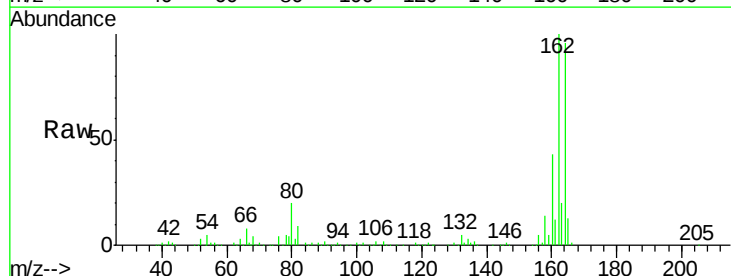
Instrument :
BNA_F
ClientSampleId :
HOPE-CREEK-SOIL

Tgt Ion:163 Resp: 111382
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 10.2 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 6.734 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.21 min
Lab File: BF104988.D
Acq: 1 May 2018 17:15

Tgt Ion:165 Resp: 29033
Ion Ratio Lower Upper
165 100
63 1.1 36.4 54.6#
89 2.0 57.8 86.6#
182 0.0 1.6 2.4#

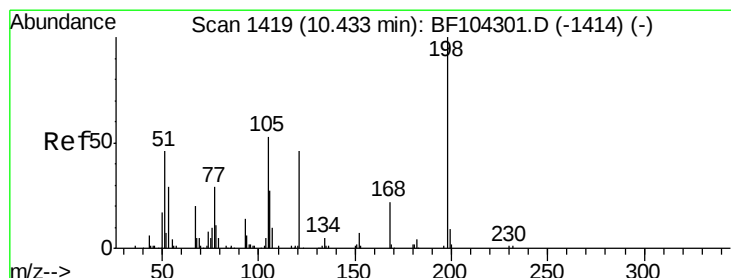
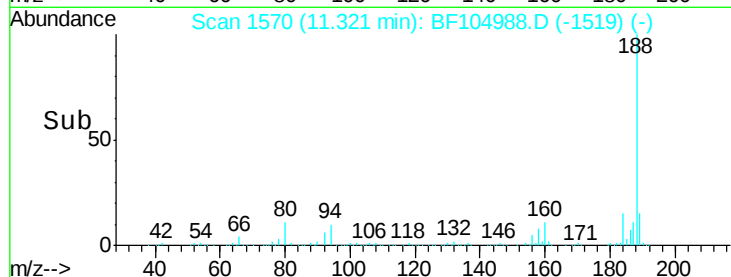
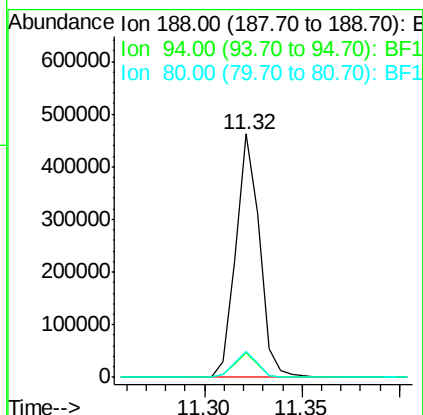
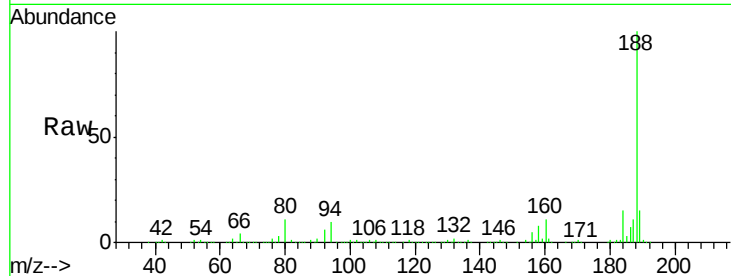




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF104988.D
Acq: 1 May 2018 17:15

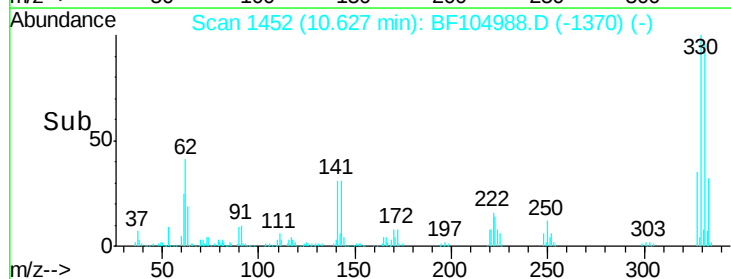
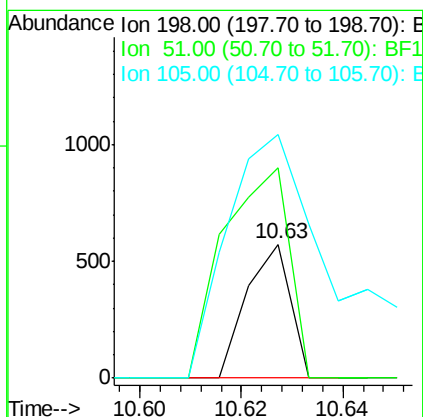
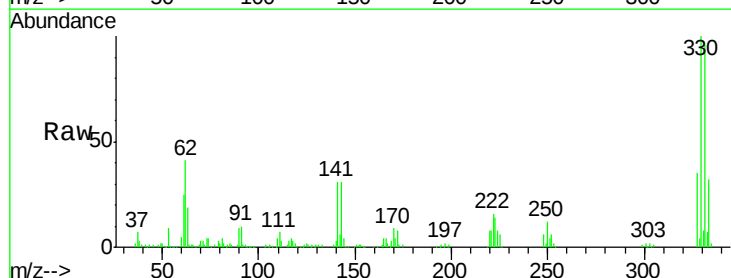
Instrument :
BNA_F
ClientSampleId :
HOPE-CREEK-SOIL

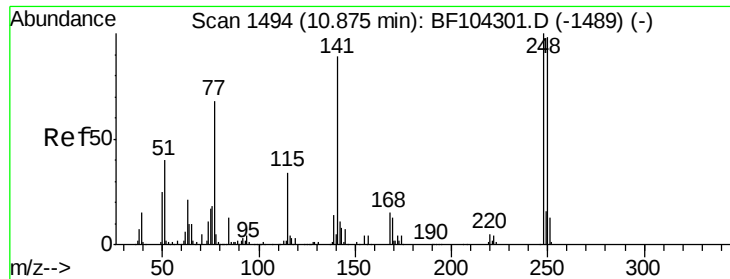
Tgt Ion:188 Resp: 390475
Ion Ratio Lower Upper
188 100
94 10.0 8.5 12.7
80 10.8 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.500 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.18 min
Lab File: BF104988.D
Acq: 1 May 2018 17:15

Tgt Ion:198 Resp: 343
Ion Ratio Lower Upper
198 100
51 157.1 37.7 77.7#
105 182.0 36.3 76.3#

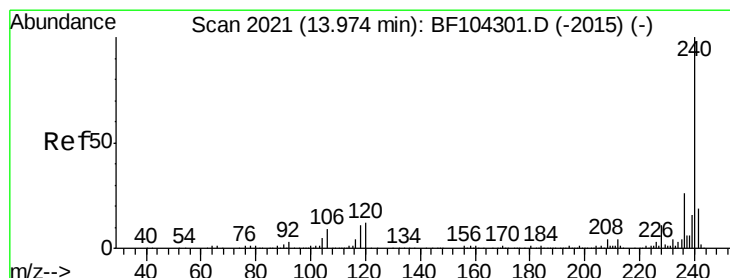
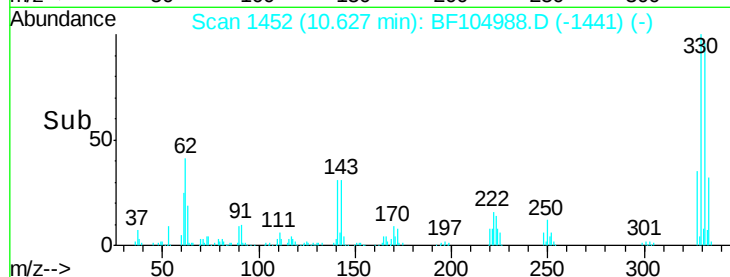
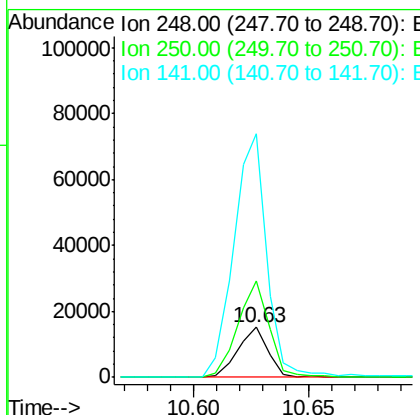
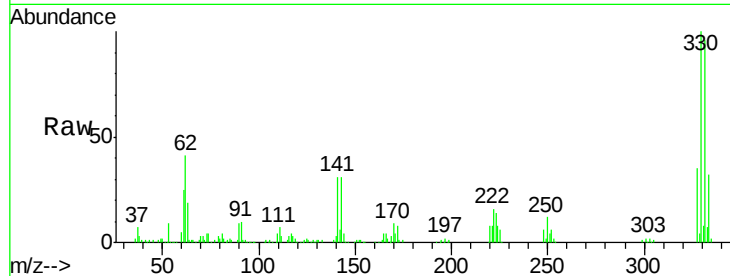




#66
 4-Bromophenyl-phenylether
 Concen: 3.344 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.24 min
 Lab File: BF104988.D
 Acq: 1 May 2018 17:15

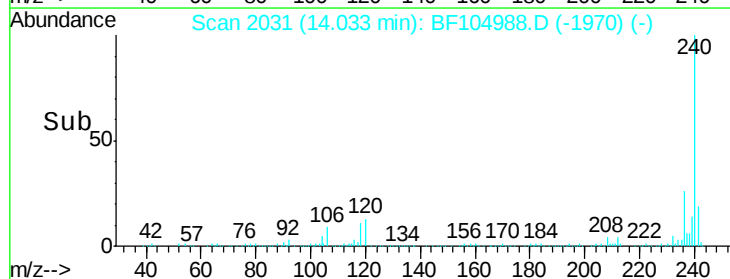
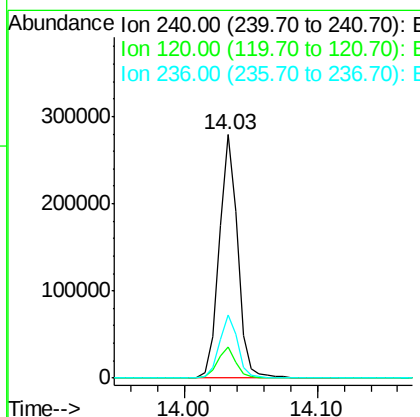
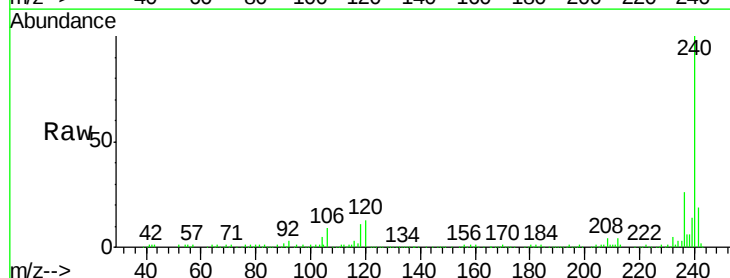
Instrument :
 BNA_F
 ClientSampleId :
 HOPE-CREEK-SOIL

Tgt Ion	Ratio	Lower	Upper
248	100		
250	193.6	76.9	115.3#
141	486.2	74.4	111.6#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. 0.06 min
 Lab File: BF104988.D
 Acq: 1 May 2018 17:15

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.6	9.5	14.3
236	26.1	20.7	31.1

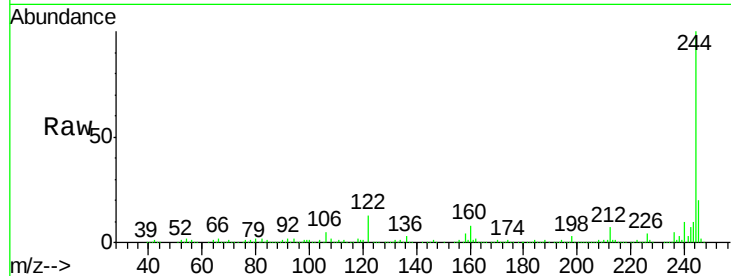




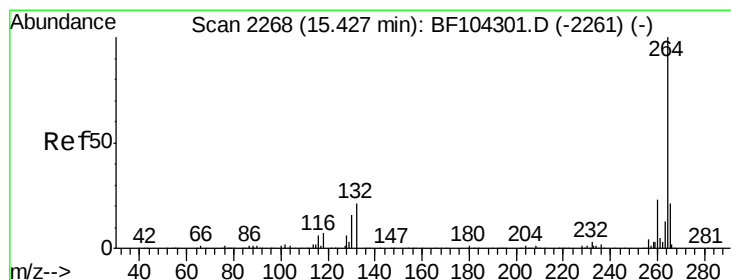
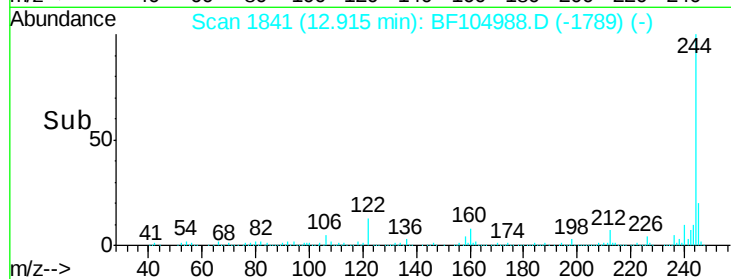
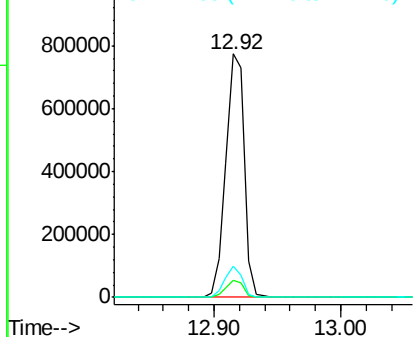
#78
 Terphenyl-d14
 Concen: 65.084 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.01 min
 Lab File: BF104988.D
 Acq: 1 May 2018 17:15

Instrument :
 BNA_F
 ClientSampleId :
 HOPE-CREEK-SOIL

Tgt Ion:244 Resp: 778614
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 12.7 11.0 16.4

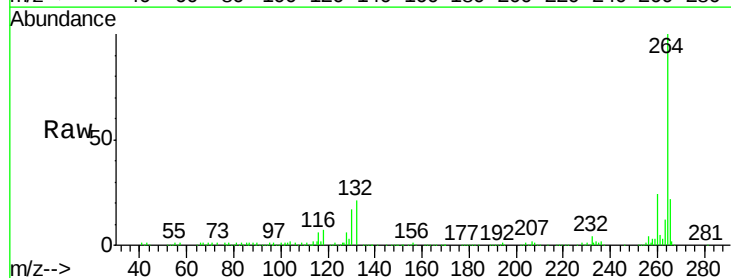


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.61 min Scan# 2299
 Delta R.T. 0.18 min
 Lab File: BF104988.D
 Acq: 1 May 2018 17:15

Tgt Ion:264 Resp: 239961
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.2 28.8
 265 21.7 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

