

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031419\
 Data File : BF113058.D
 Acq On : 14 Mar 2019 19:10
 Operator : JU/SJ
 Sample : K1895-01 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OILY-SOIL

Quant Time: Mar 15 06:44:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

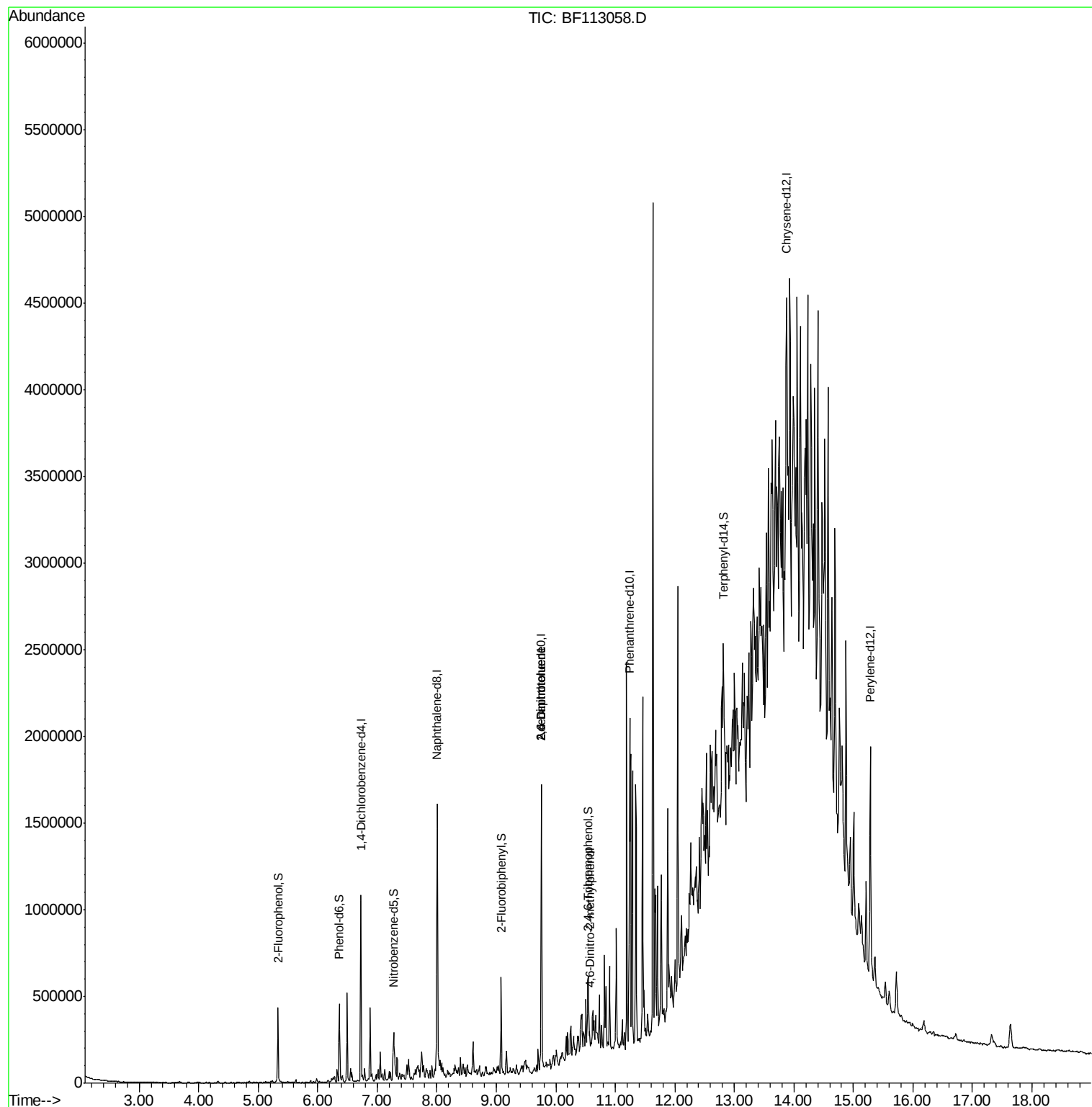
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	182256	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	685021	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	349751	20.00	ng	-0.01
64) Phenanthrene-d10	11.24	188	732678	20.00	ng	0.00
76) Chrysene-d12	13.87	240	559672	20.00	ng	0.00
87) Perylene-d12	15.29	264	658124	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	121351	10.36	ng	-0.01
7) Phenol-d6	6.36	99	162417	11.04	ng	-0.01
23) Nitrobenzene-d5	7.28	82	93189	8.14	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	55674	14.99	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	197723	6.23	ng	-0.01
79) Terphenyl-d14	12.82	244	225664	7.82	ng	0.00
Target Compounds						
51) 2,6-Dinitrotoluene	9.76	165	47918	8.923	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	47918	7.178	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.57	198	319	4.709	ng	# 1

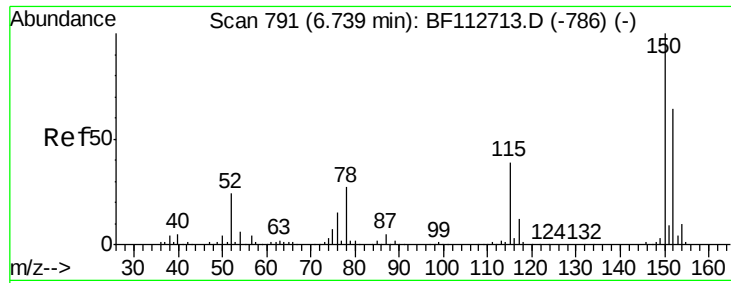
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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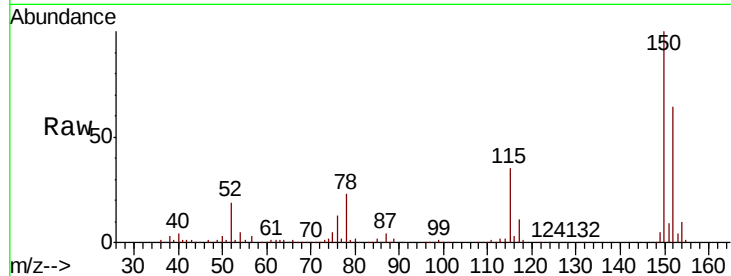


#1

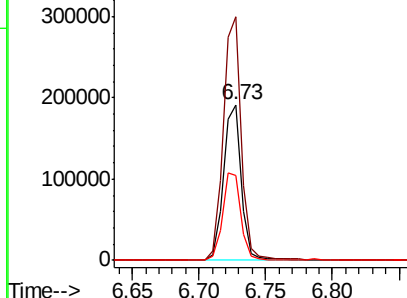
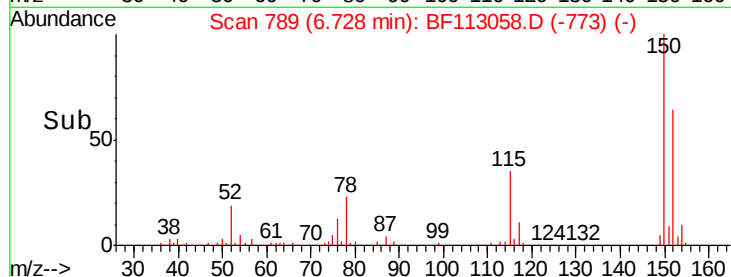
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF113058.D
 Acq: 14 Mar 2019 19:10

Instrument :
 BNA_F
 ClientSampleId :
 OILY-SOIL

Tot Ion:152 Resp: 182256
 Ion Ratio Lower Upper
 152 100
 150 156.7 124.2 186.2
 115 54.4 48.2 72.4



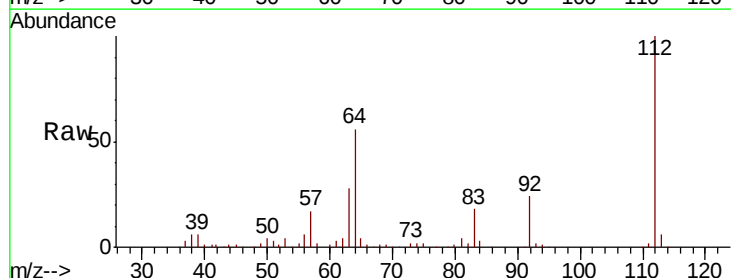
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



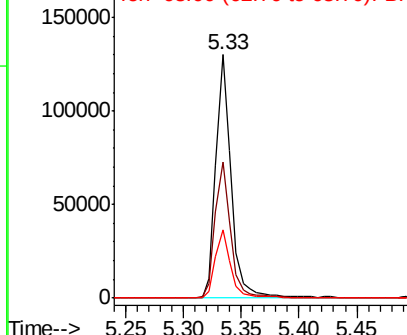
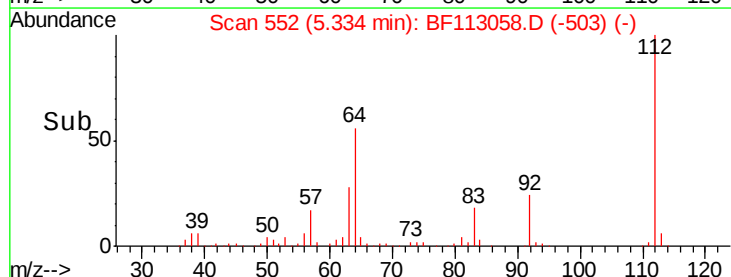
#5

2-Fluorophenol
 Concen: 10.357 ng
 RT: 5.33 min Scan# 552
 Delta R.T. -0.01 min
 Lab File: BF113058.D
 Acq: 14 Mar 2019 19:10

Tgt Ion:112 Resp: 121351
 Ion Ratio Lower Upper
 112 100
 64 56.0 47.6 71.4
 63 27.9 24.4 36.6



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: 11.035 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113058.D

Acq: 14 Mar 2019 19:10

Instrument :

BNA_F

ClientSampleId :

OILY-SOIL

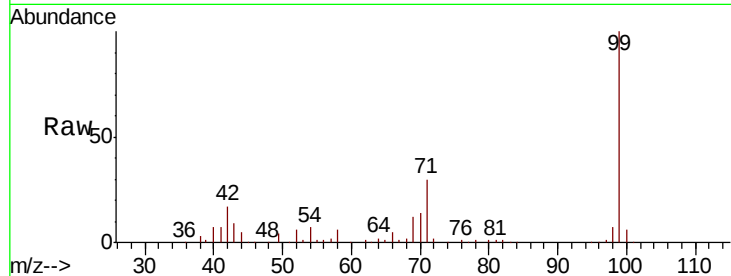
Tot Ion: 99 Resp: 162417

Ion Ratio Lower Upper

99 100

42 17.1 16.3 24.5

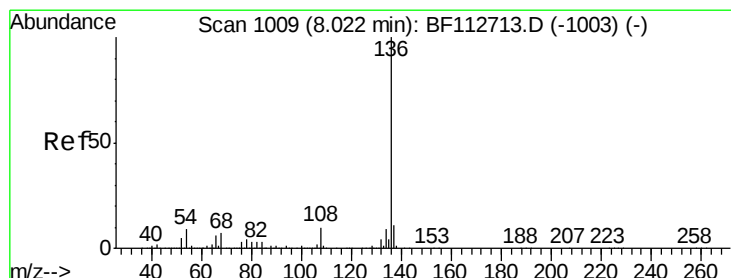
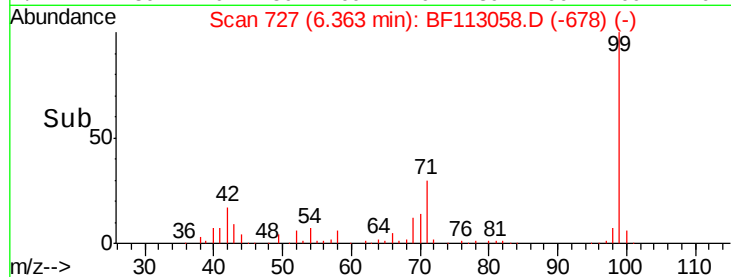
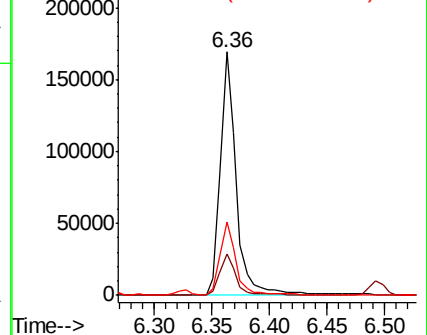
71 30.1 26.2 39.4



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: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF113058.D

Acq: 14 Mar 2019 19:10

Tgt Ion: 136 Resp: 685021

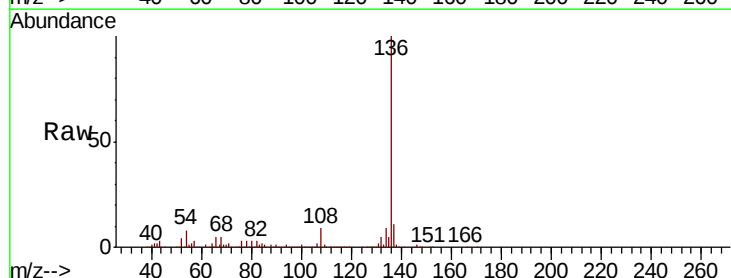
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.6 7.3 10.9

68 5.4 5.4 8.2#

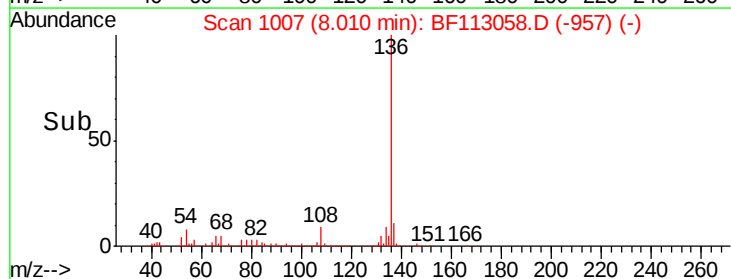
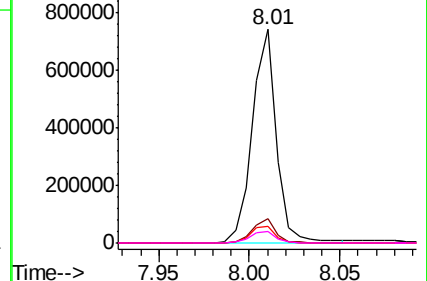


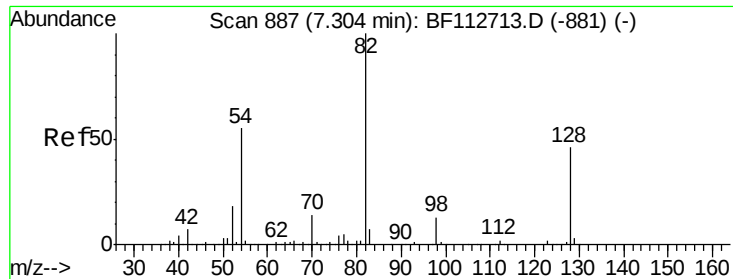
Abundance Ion 136.00 (135.70 to 136.70): E

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

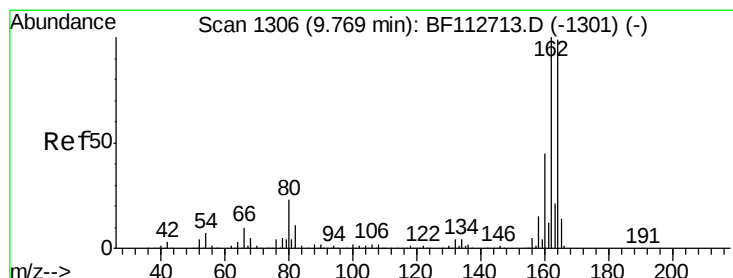
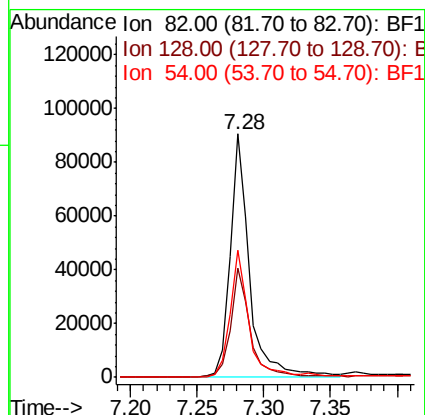
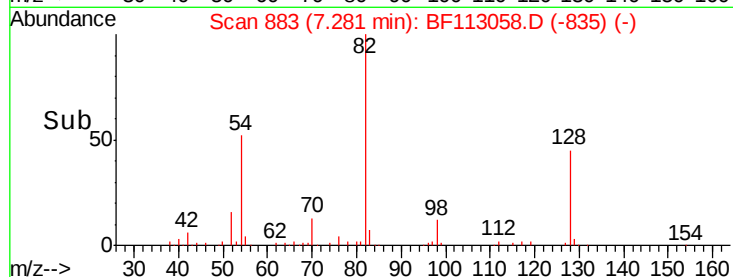
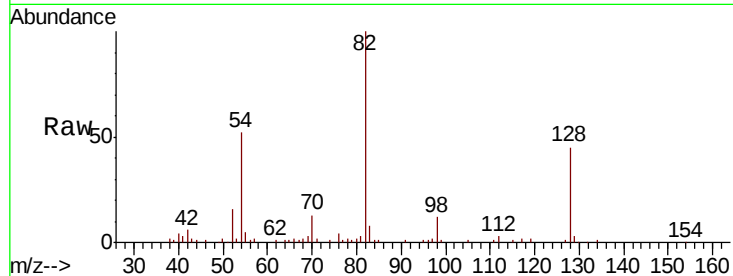




#23
Nitrobenzene-d5
Concen: 8.140 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF113058.D
Acq: 14 Mar 2019 19:10

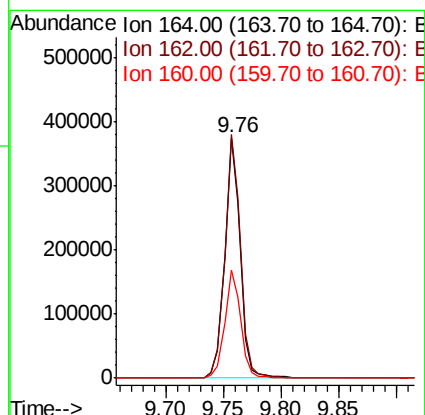
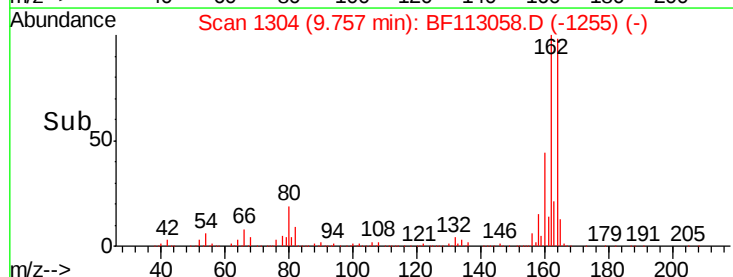
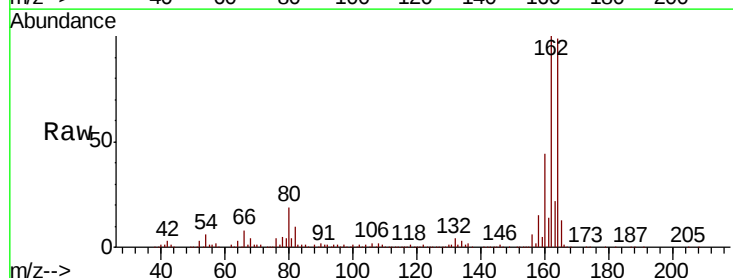
Instrument :
BNA_F
ClientSampleId :
OILY-SOIL

Tot Ion: 82 Resp: 93189
Ion Ratio Lower Upper
82 100
128 44.7 36.3 54.5
54 52.2 43.7 65.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF113058.D
Acq: 14 Mar 2019 19:10

Tgt Ion:164 Resp: 349751
Ion Ratio Lower Upper
164 100
162 101.4 80.6 120.8
160 45.0 36.0 54.0

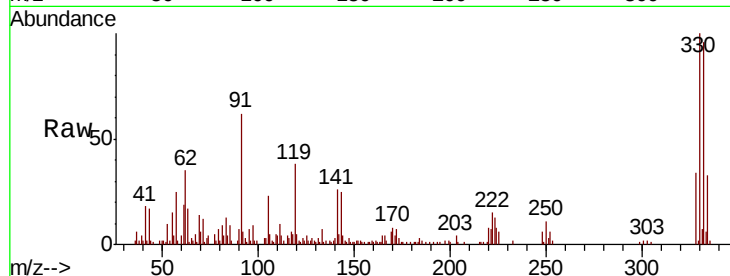




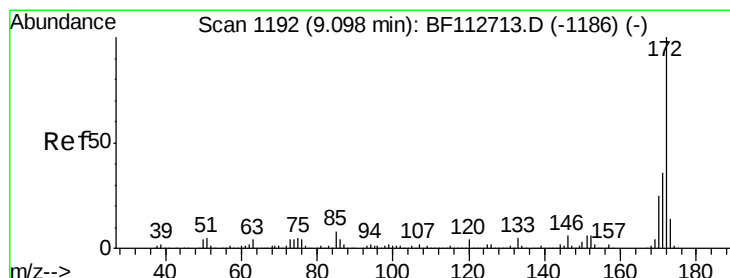
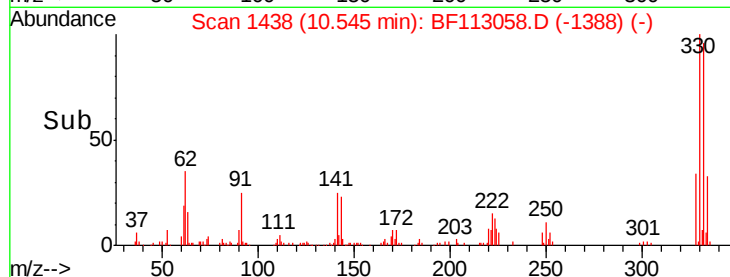
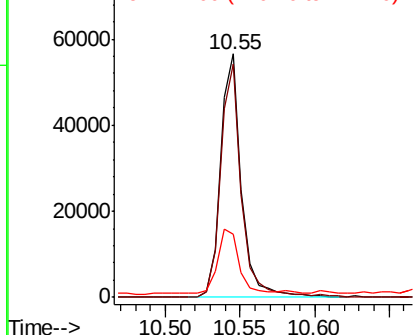
#42
 2,4,6-Tribromophenol
 Concen: 14.994 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF113058.D
 Acq: 14 Mar 2019 19:10

Instrument :
 BNA_F
 ClientSampleId :
 OILY-SOIL

Tot Ion:330 Resp: 55674
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.2 114.4
 141 26.2 27.0 40.6#

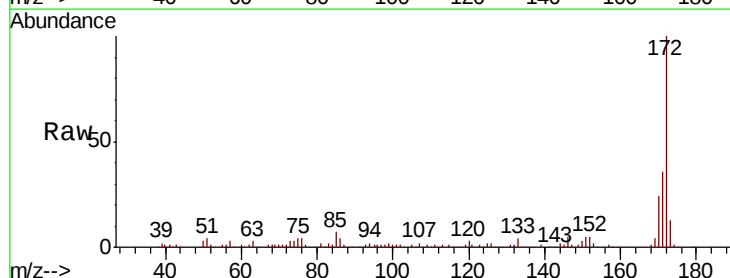


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

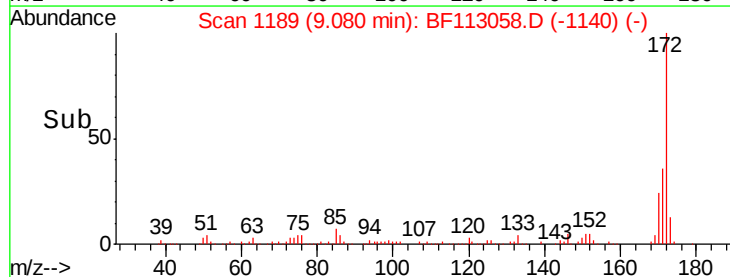
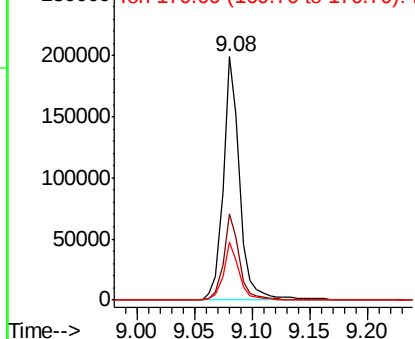


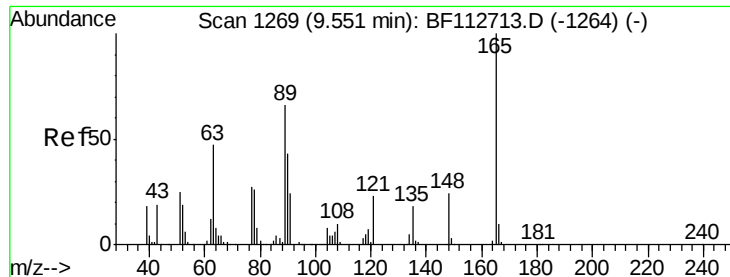
#45
 2-Fluorobiphenyl
 Concen: 6.229 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113058.D
 Acq: 14 Mar 2019 19:10

Tgt Ion:172 Resp: 197723
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.0 43.4
 170 23.9 20.0 30.0



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

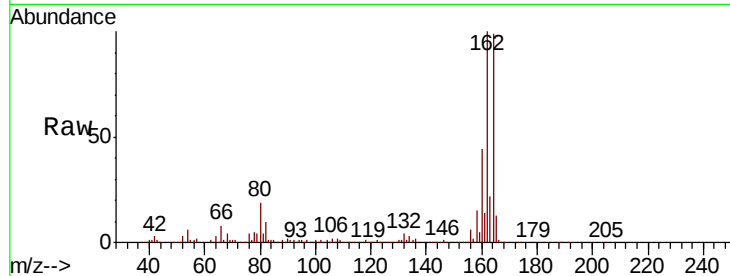




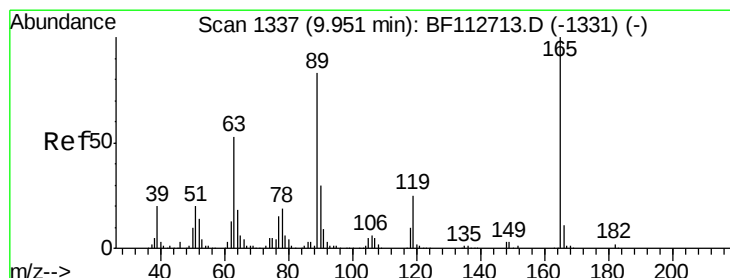
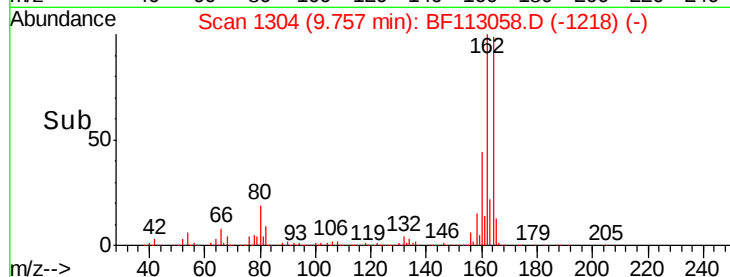
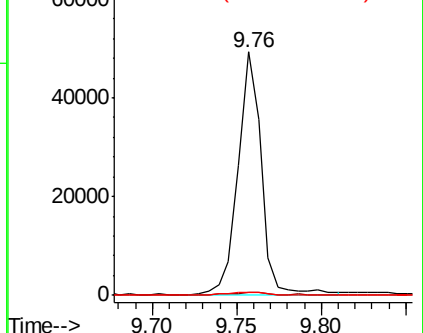
#51
 2,6-Dinitrotoluene
 Concen: 8.923 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.21 min
 Lab File: BF113058.D
 Acq: 14 Mar 2019 19:10

Instrument :
 BNA_F
 ClientSampleId :
 OILY-SOIL

Tot Ion:165 Resp: 47918
 Ion Ratio Lower Upper
 165 100
 63 1.4 54.1 81.1#
 89 1.2 52.8 79.2#

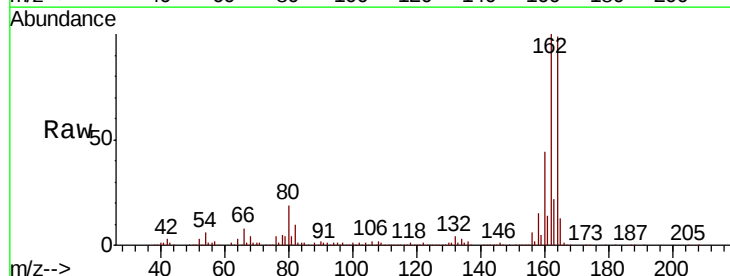


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

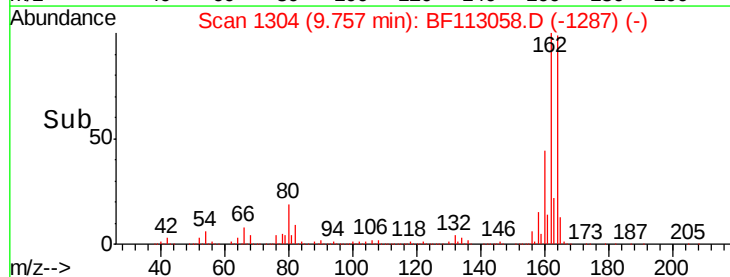
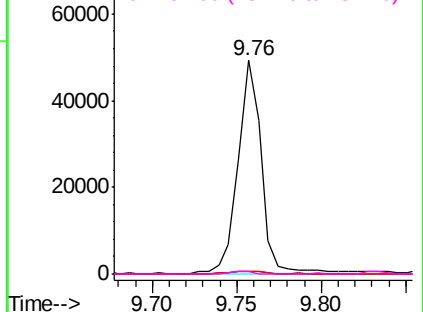


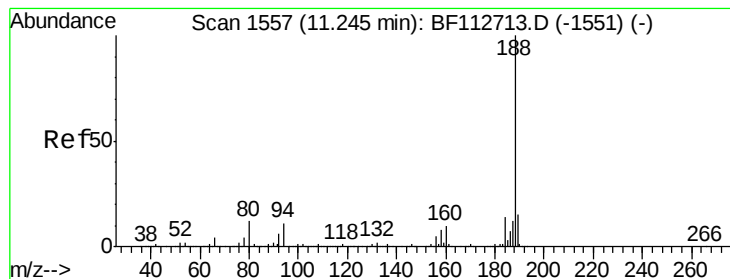
#57
 2,4-Dinitrotoluene
 Concen: 7.178 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.20 min
 Lab File: BF113058.D
 Acq: 14 Mar 2019 19:10

Tgt Ion:165 Resp: 47918
 Ion Ratio Lower Upper
 165 100
 63 1.4 42.2 63.2#
 89 1.2 66.2 99.4#
 182 1.0 1.8 2.6#



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF113058.D

Acq: 14 Mar 2019 19:10

Instrument :

BNA_F

ClientSampleId :

OILY-SOIL

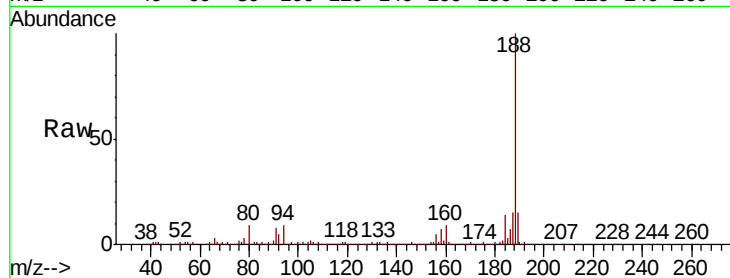
Tot Ion:188 Resp: 732678

Ion Ratio Lower Upper

188 100

94 8.7 9.0 13.4#

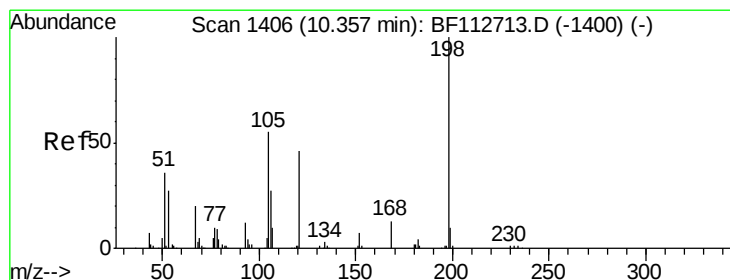
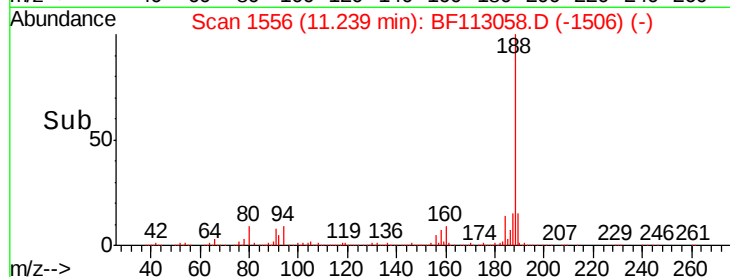
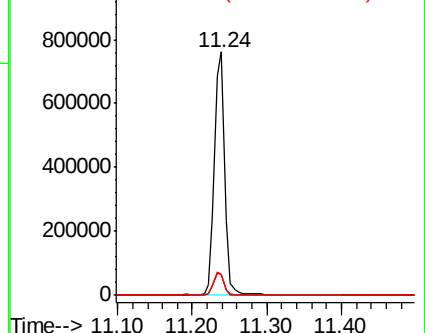
80 8.6 9.2 13.8#



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



#65

4,6-Dinitro-2-methylphenol

Concen: 4.709 ng

RT: 10.57 min Scan# 1443

Delta R.T. 0.21 min

Lab File: BF113058.D

Acq: 14 Mar 2019 19:10

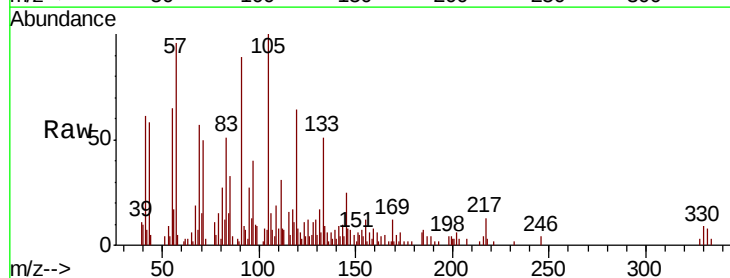
Tgt Ion:198 Resp: 319

Ion Ratio Lower Upper

198 100

51 106.2 43.8 83.8#

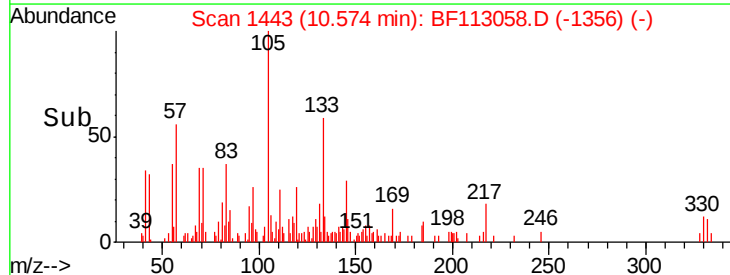
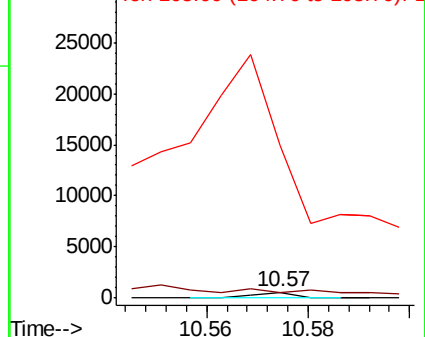
105 2726.1 36.5 76.5#

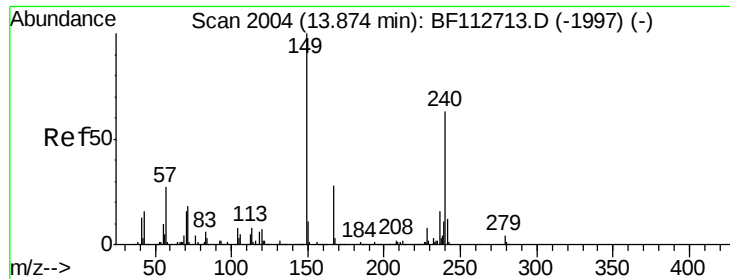


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

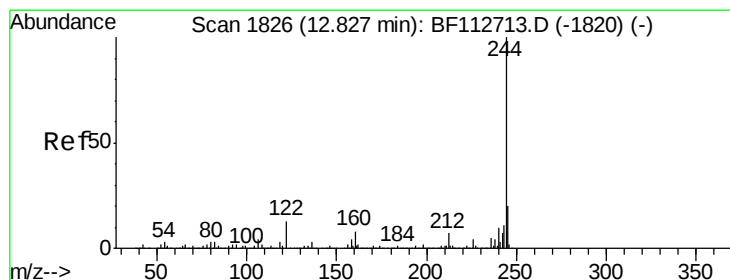
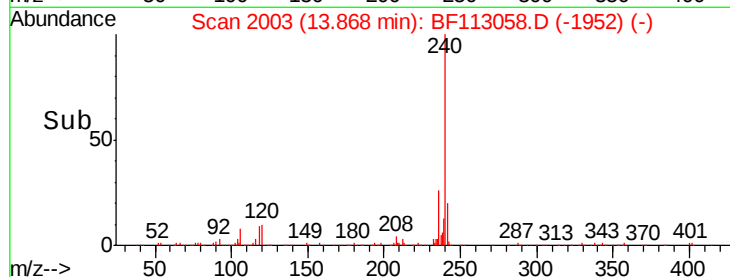
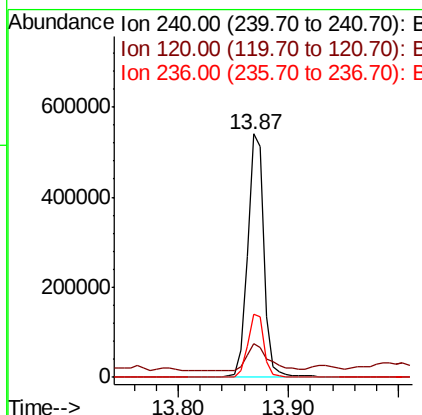
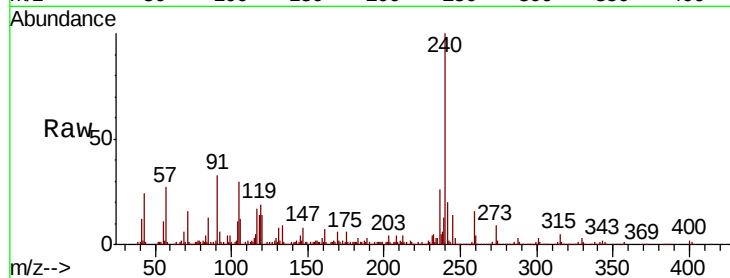




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.87 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: BF113058.D
 Acq: 14 Mar 2019 19:10

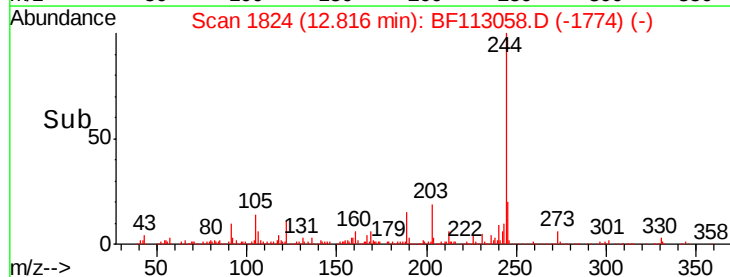
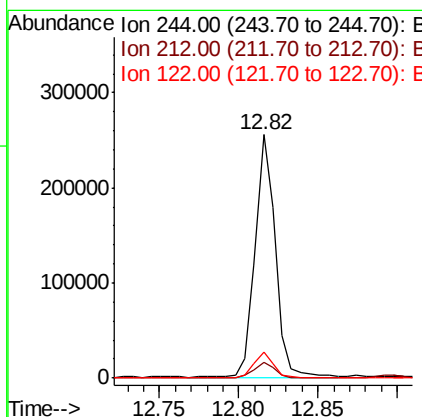
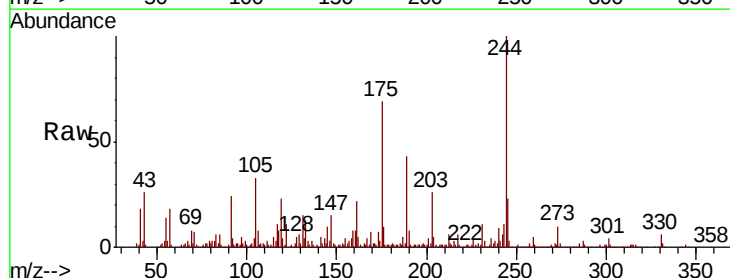
Instrument :
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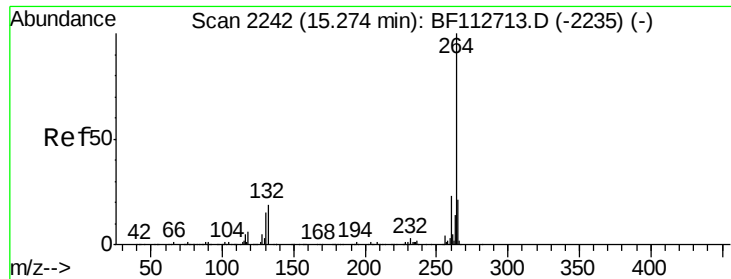
Tot Ion:240 Resp: 559672
 Ion Ratio Lower Upper
 240 100
 120 13.6 8.9 13.3#
 236 26.0 20.7 31.1



#79
 Terphenyl-d14
 Concen: 7.816 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF113058.D
 Acq: 14 Mar 2019 19:10

Tgt Ion:244 Resp: 225664
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.6 8.4
 122 10.7 10.5 15.7





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF113058.D
Acq: 14 Mar 2019 19:10

Instrument :
BNA_F
ClientSampleId :
OILY-SOIL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.7	28.1
265	21.5	17.2	25.8

