

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080818\
 Data File : BF108020.D
 Acq On : 8 Aug 2018 15:32
 Operator : JU/SJ
 Sample : J3762-01
 Misc : LOD 5 PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Quant Time: Aug 09 09:48:30 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

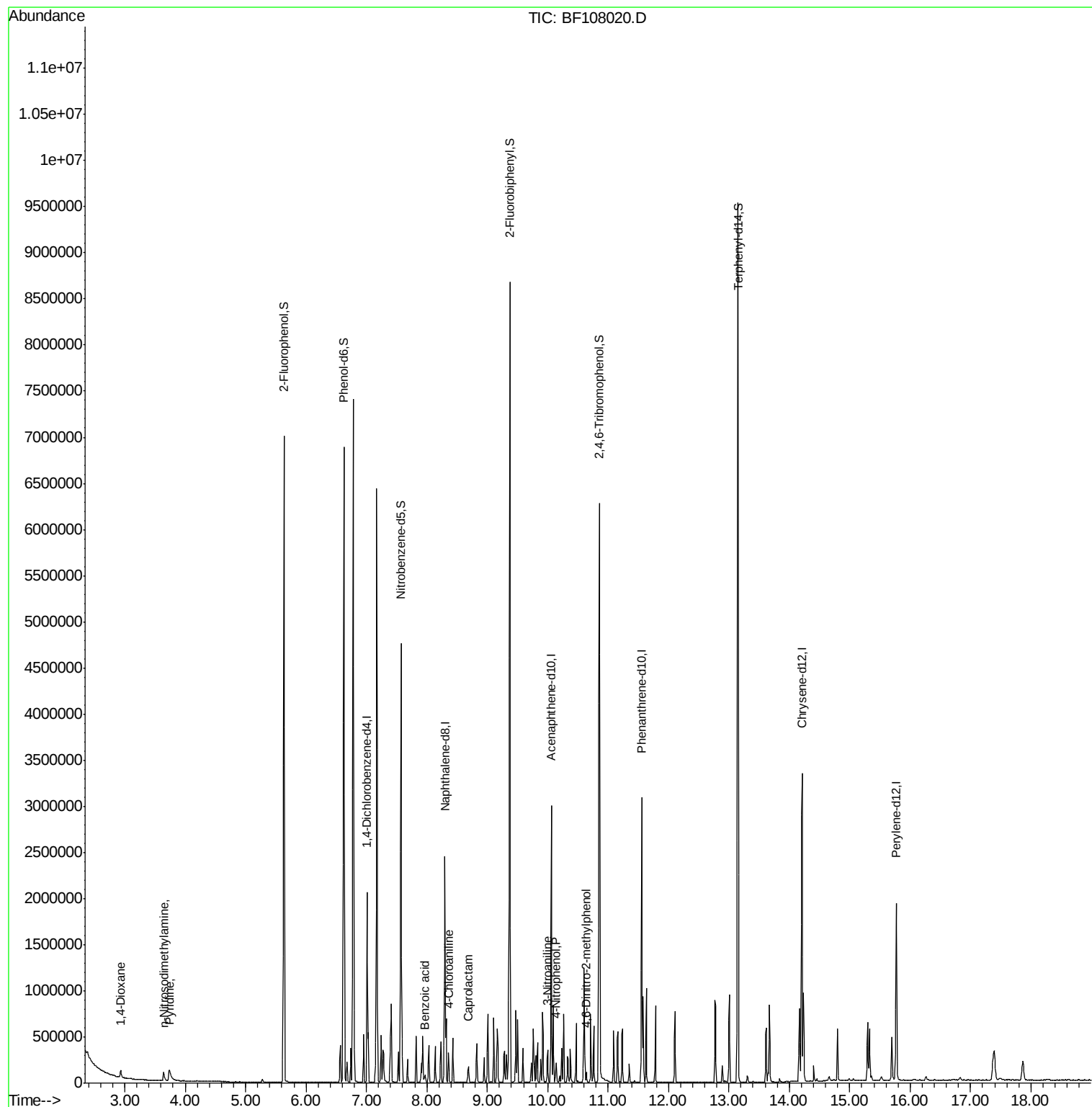
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	269018	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	1070833	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	577989	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	1201147	20.00	ng	0.00
75) Chrysene-d12	14.21	240	1081624	20.00	ng	0.00
86) Perylene-d12	15.77	264	938097	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	1887618	127.03	ng	0.00
7) Phenol-d6	6.63	99	2491949	126.20	ng	0.00
23) Nitrobenzene-d5	7.58	82	1615748	84.20	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	779166	135.15	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	2920894	81.13	ng	0.00
78) Terphenyl-d14	13.15	244	3567402	83.86	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.93	88	37692	4.937	ng	# 81
3) Pyridine	3.74	79	96215	4.892	ng	# 82
4) n-Nitrosodimethylamine	3.64	42	55197	4.987	ng	# 77
32) Benzoic acid	7.97	122	17335	7.586	ng	# 86
33) 4-Chloroaniline	8.36	127	74509	3.511	ng	# 99
35) Caprolactam	8.69	113	22333	4.770	ng	# 83
52) 3-Nitroaniline	10.00	138	39602	4.297	ng	# 95
55) 4-Nitrophenol	10.14	139	28723	4.116	ng	# 87
64) 4,6-Dinitro-2-methylphenol	10.64	198	10797	7.486	ng	# 96

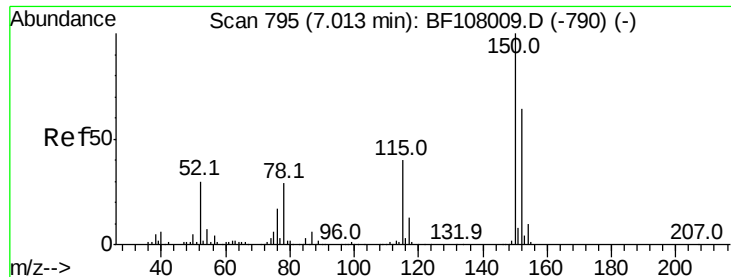
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.01 min Scan# 795

Delta R.T. -0.00 min

Lab File: BF108020.D

Acq: 8 Aug 2018 15:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

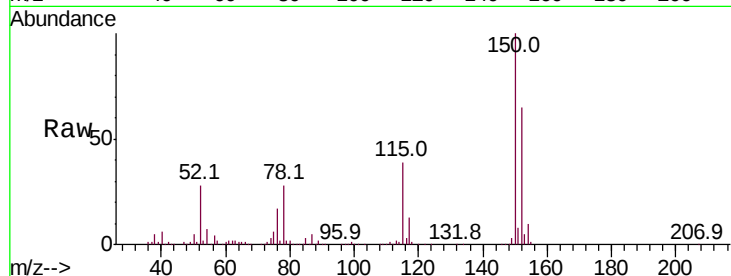
Tot Ion:152 Resp: 269018

Ion Ratio Lower Upper

152 100

150 153.6 124.6 186.8

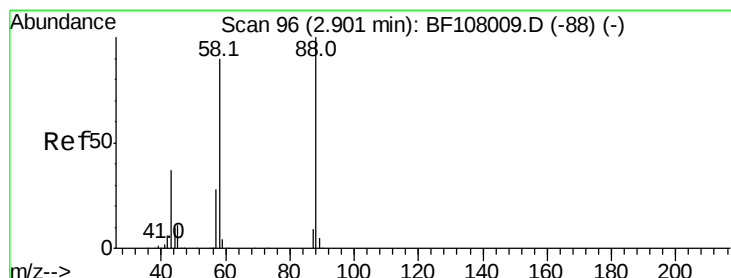
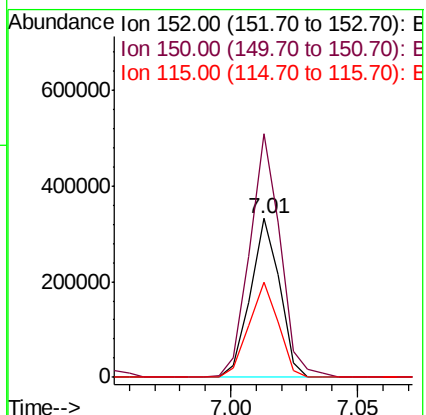
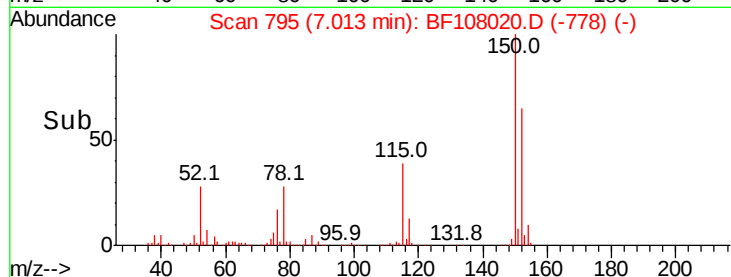
115 60.2 50.1 75.1



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



#2

1,4-Dioxane

Concen: 4.937 ng

RT: 2.93 min Scan# 101

Delta R.T. 0.03 min

Lab File: BF108020.D

Acq: 8 Aug 2018 15:32

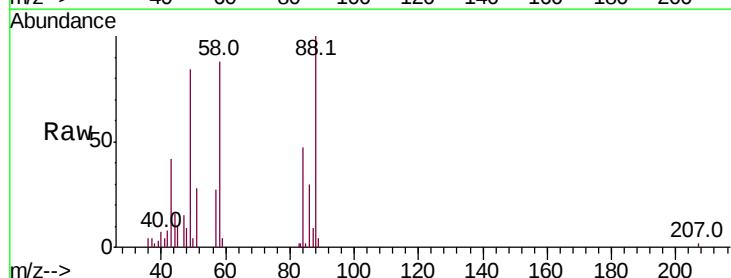
Tgt Ion: 88 Resp: 37692

Ion Ratio Lower Upper

88 100

58 95.4 62.6 93.8#

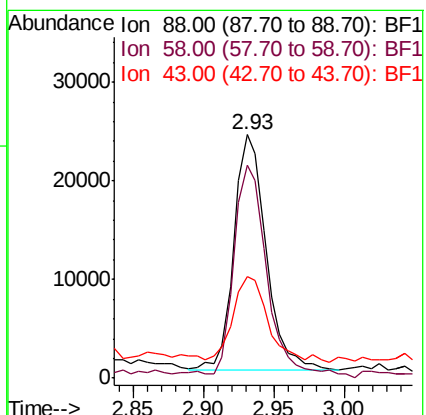
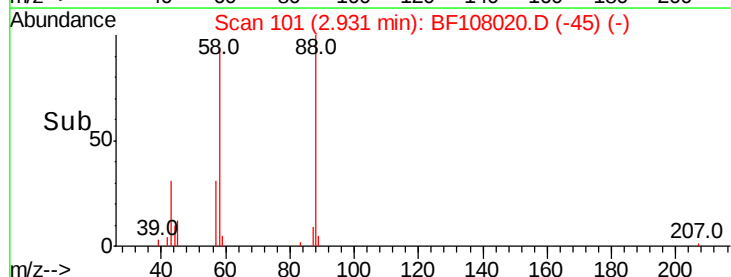
43 39.7 24.6 37.0#

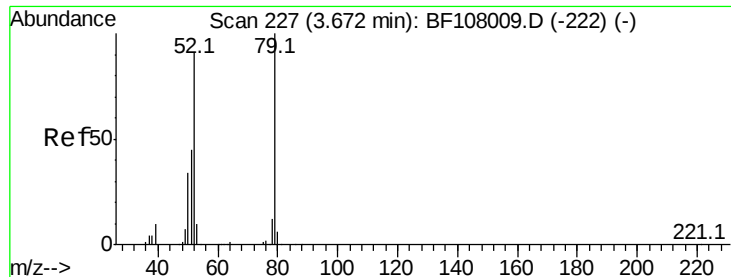


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 4.892 ng

RT: 3.74 min Scan# 238

Delta R.T. 0.06 min

Lab File: BF108020.D

Acq: 8 Aug 2018 15:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

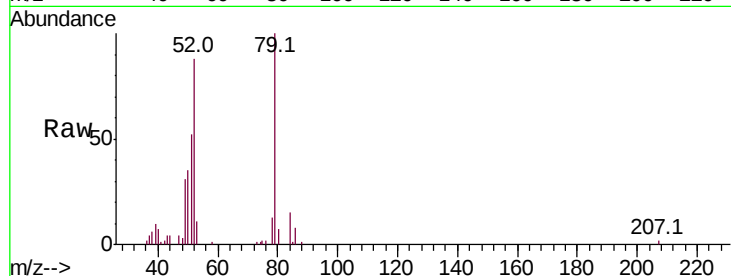
Tot Ion: 79 Resp: 96215

Ion Ratio Lower Upper

79 100

52 87.7 59.8 89.6

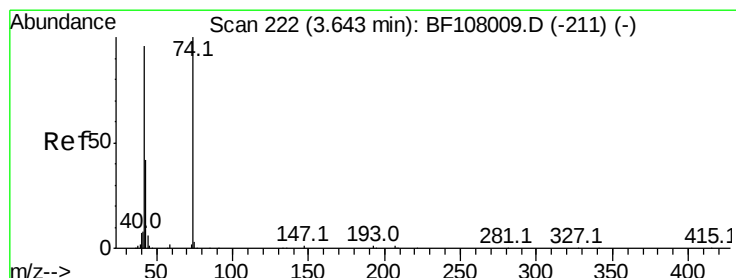
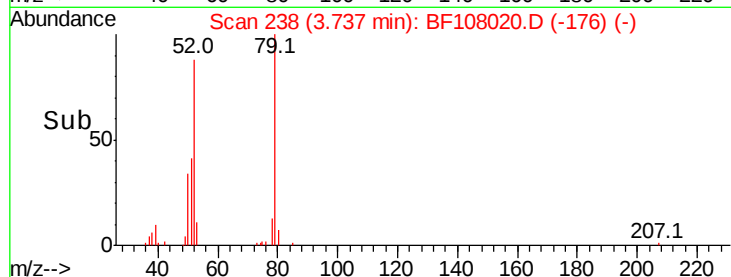
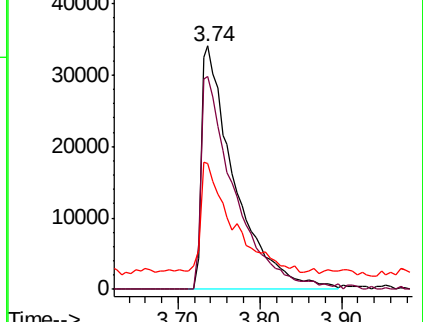
51 51.8 29.8 44.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 4.987 ng

RT: 3.64 min Scan# 222

Delta R.T. -0.00 min

Lab File: BF108020.D

Acq: 8 Aug 2018 15:32

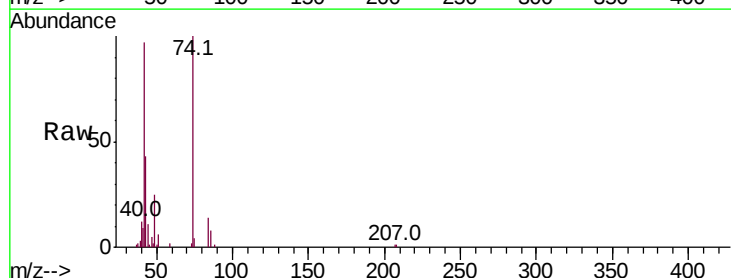
Tgt Ion: 42 Resp: 55197

Ion Ratio Lower Upper

42 100

74 103.2 104.9 157.3#

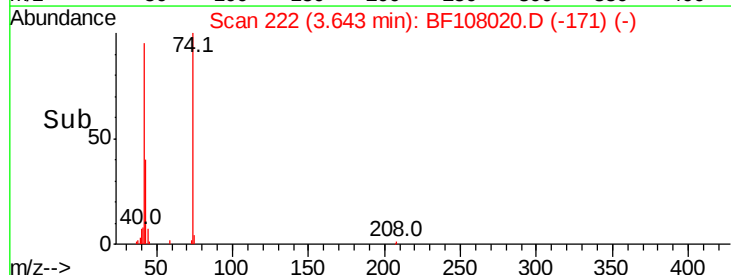
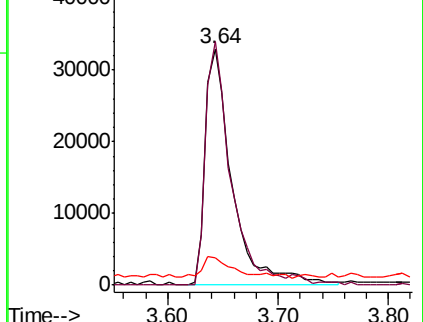
44 11.7 6.9 10.3#

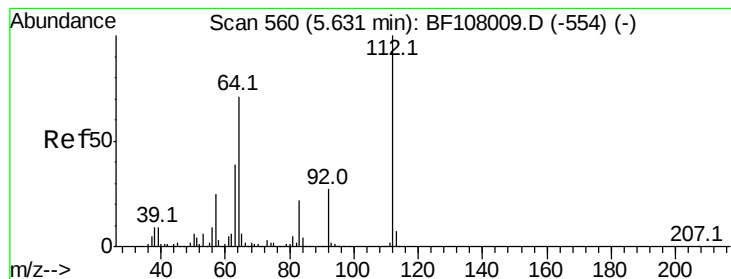


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 127.034 ng

RT: 5.64 min Scan# 561

Delta R.T. 0.01 min

Lab File: BF108020.D

Acq: 8 Aug 2018 15:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

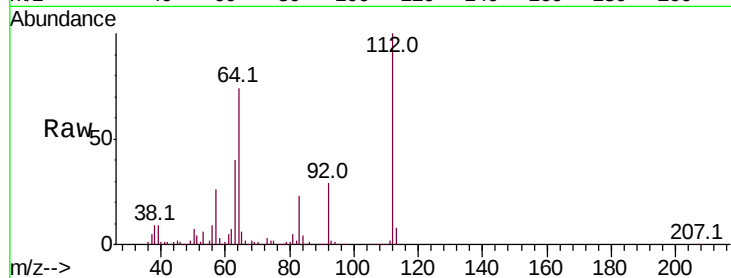
Tot Ion:112 Resp: 1887618

Ion Ratio Lower Upper

112 100

64 73.9 47.9 71.9#

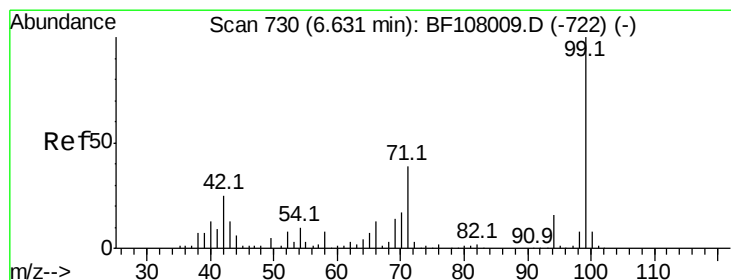
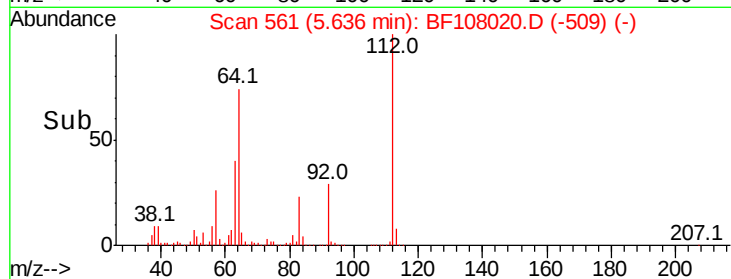
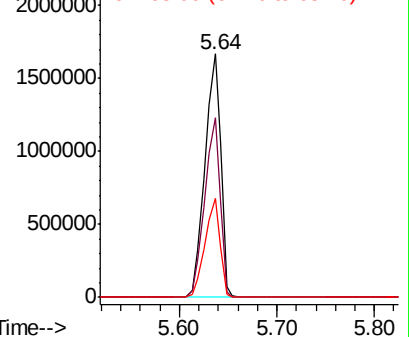
63 40.5 23.7 35.5#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 126.202 ng

RT: 6.63 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF108020.D

Acq: 8 Aug 2018 15:32

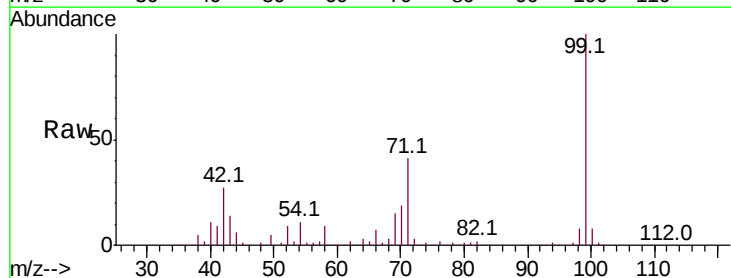
Tgt Ion: 99 Resp: 2491949

Ion Ratio Lower Upper

99 100

42 27.0 14.5 21.7#

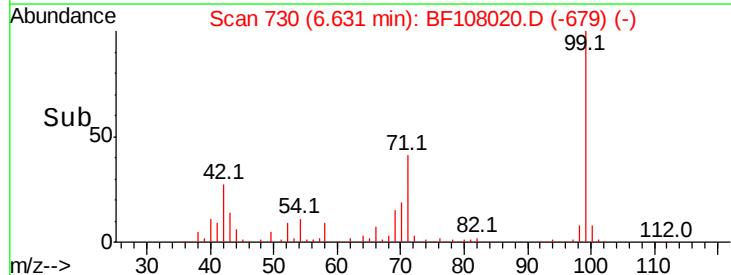
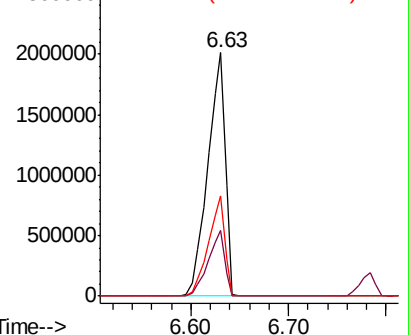
71 41.3 25.4 38.0#

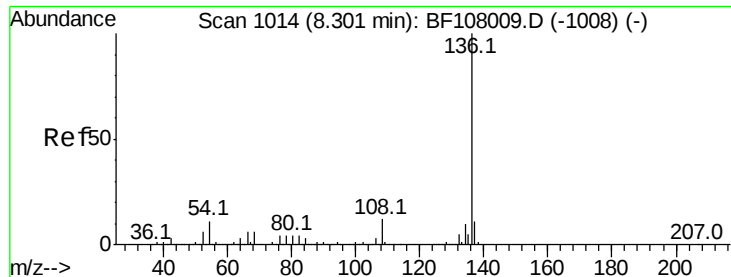


Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.30 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF108020.D

Acq: 8 Aug 2018 15:32

Instrument :

BNA_F

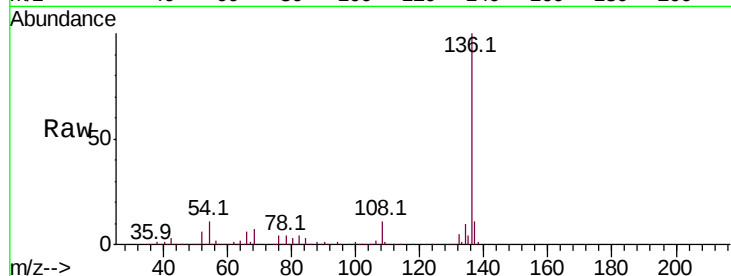
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:136 Resp: 1070833

Ion Ratio Lower Upper

136	100		
137	11.3	8.9	13.3
54	11.0	6.6	9.8#
68	6.6	5.0	7.4

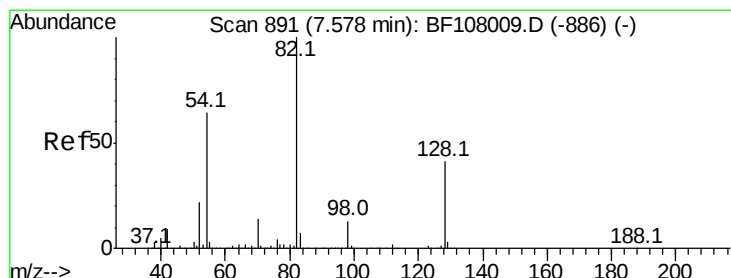
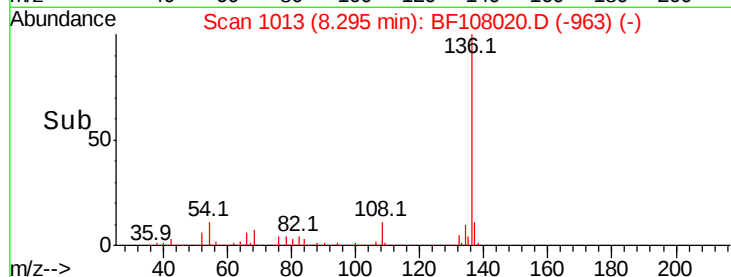
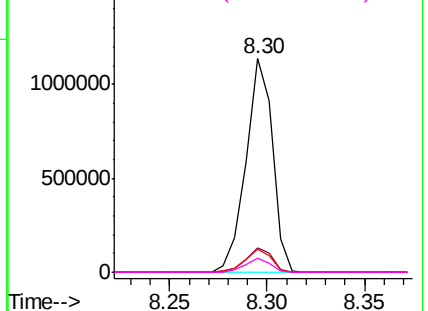


Abundance Ion 136.00 (135.70 to 136.70): E

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: 84.197 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.00 min

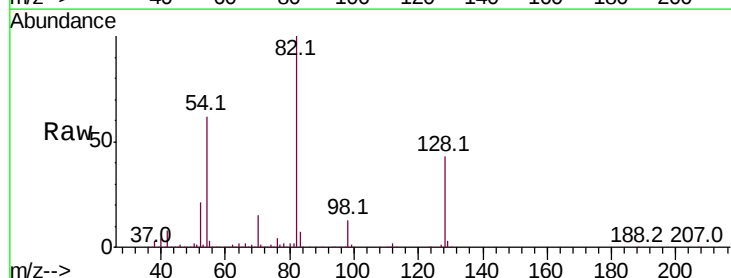
Lab File: BF108020.D

Acq: 8 Aug 2018 15:32

Tgt Ion: 82 Resp: 1615748

Ion Ratio Lower Upper

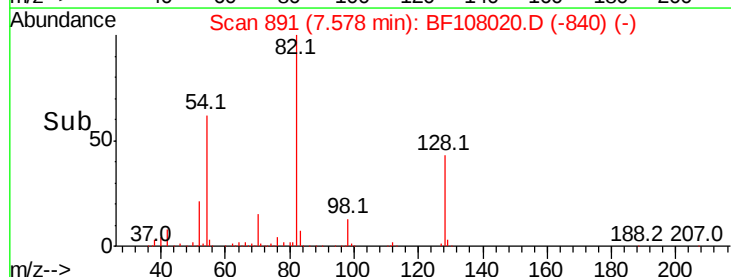
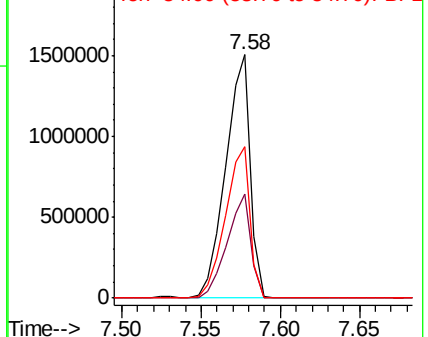
82	100		
128	42.8	36.1	54.1
54	62.2	41.4	62.2#

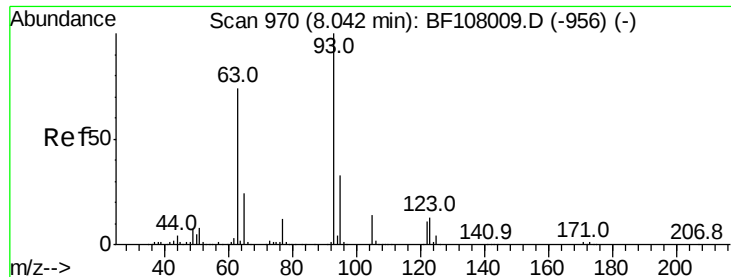


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#32

Benzoic acid

Concen: 7.586 ng

RT: 7.97 min Scan# 958

Delta R.T. -0.07 min

Lab File: BF108020.D

Acq: 8 Aug 2018 15:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

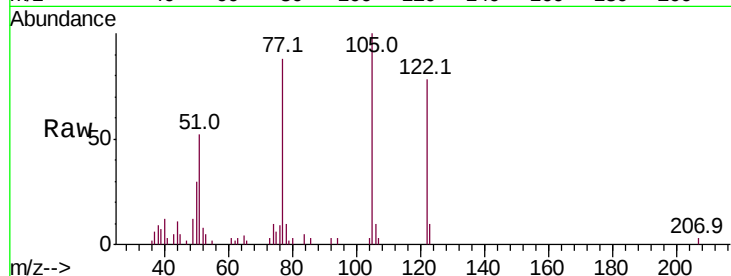
Tot Ion:122 Resp: 17335

Ion Ratio Lower Upper

122 100

105 128.2 101.1 141.1

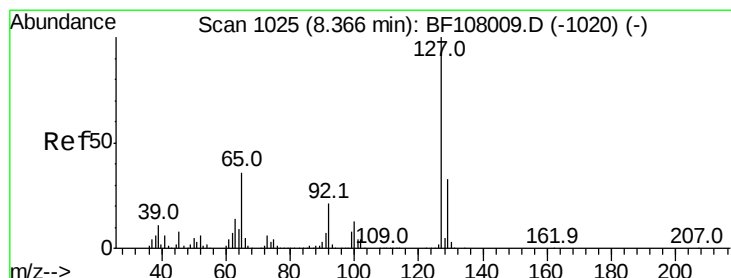
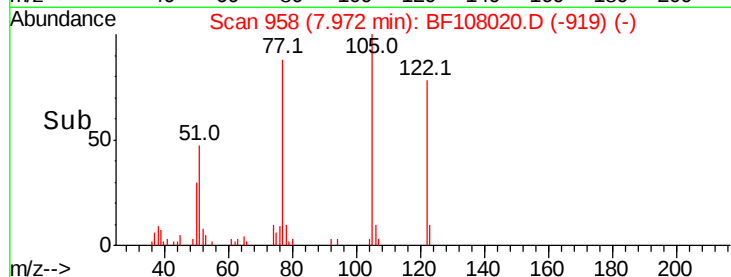
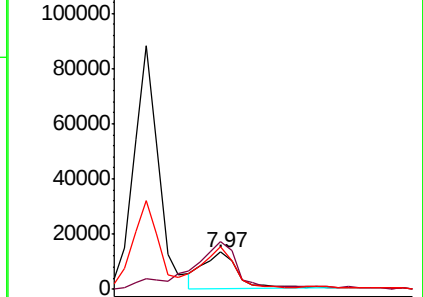
77 112.6 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#33

4-Chloroaniline

Concen: 3.511 ng

RT: 8.36 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BF108020.D

Acq: 8 Aug 2018 15:32

Tgt Ion:127 Resp: 74509

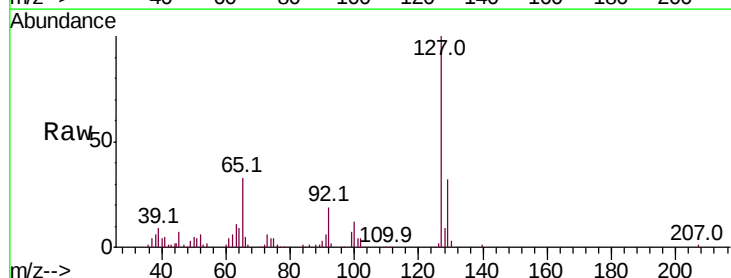
Ion Ratio Lower Upper

127 100

129 32.1 25.9 38.9

65 32.8 25.0 37.4

92 19.1 15.2 22.8

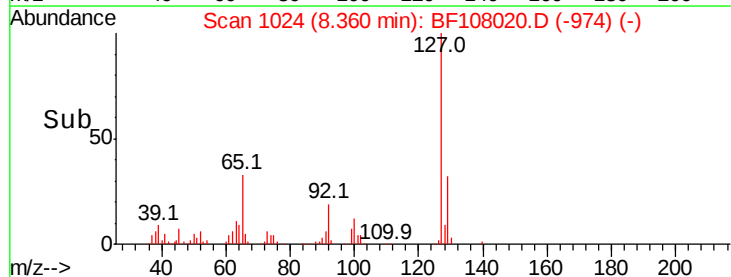
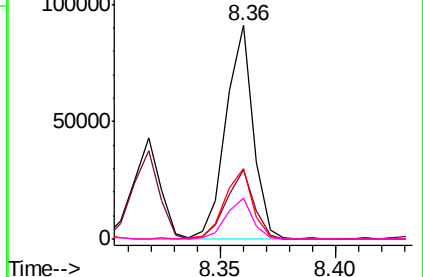


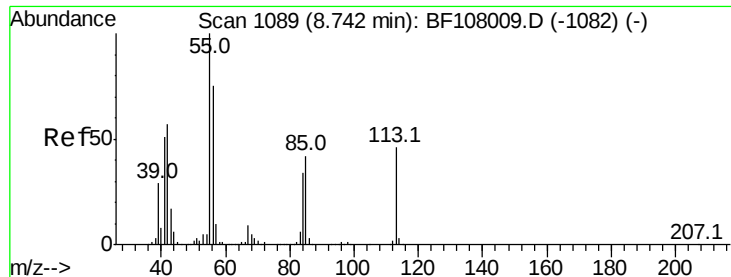
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1





#35

Caprolactam

Concen: 4.770 ng

RT: 8.69 min Scan# 1080

Delta R.T. -0.05 min

Lab File: BF108020.D

Acq: 8 Aug 2018 15:32

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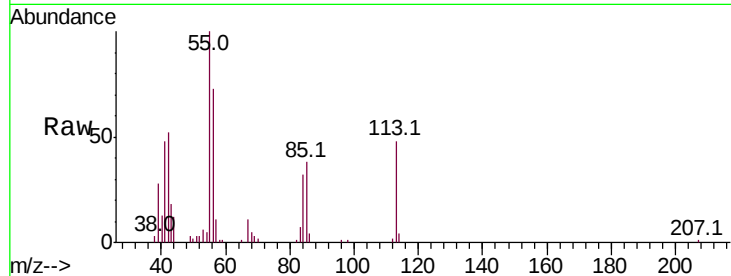
Tot Ion:113 Resp: 22333

Ion Ratio Lower Upper

113 100

55 209.3 163.3 203.3#

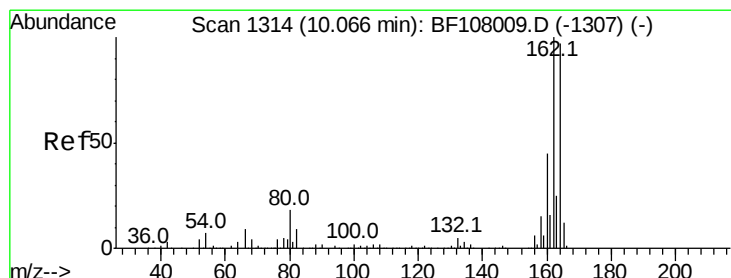
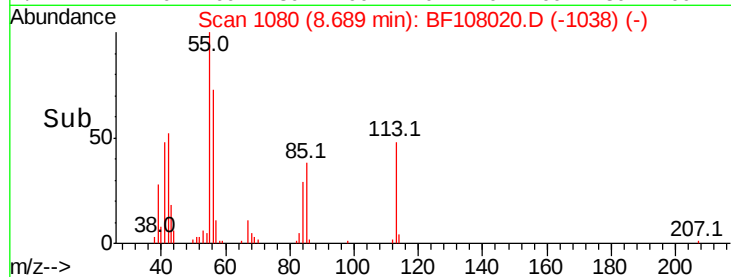
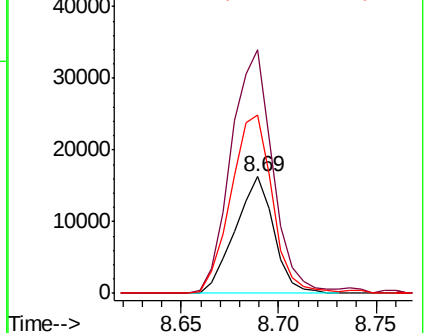
56 153.7 115.7 155.7



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF108020.D

Acq: 8 Aug 2018 15:32

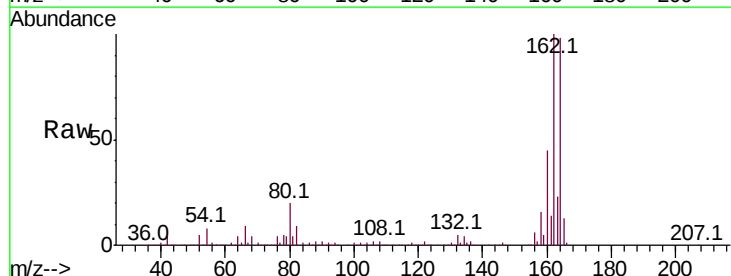
Tgt Ion:164 Resp: 577989

Ion Ratio Lower Upper

164 100

162 101.9 86.1 129.1

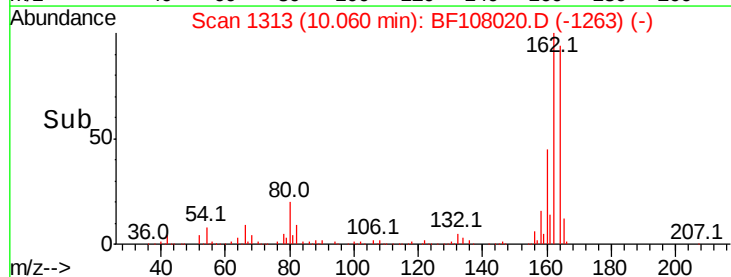
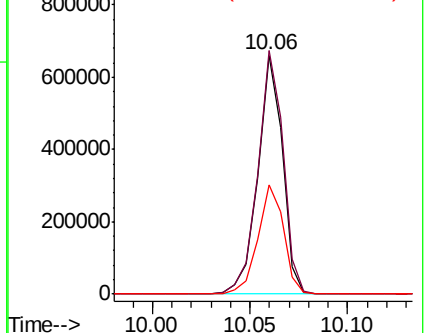
160 46.0 38.3 57.5

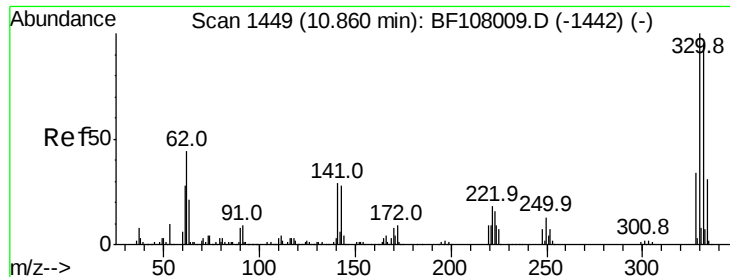


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

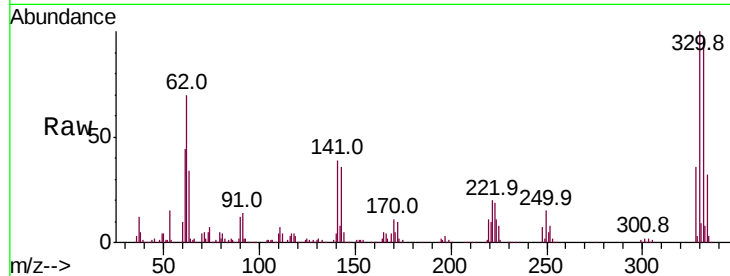




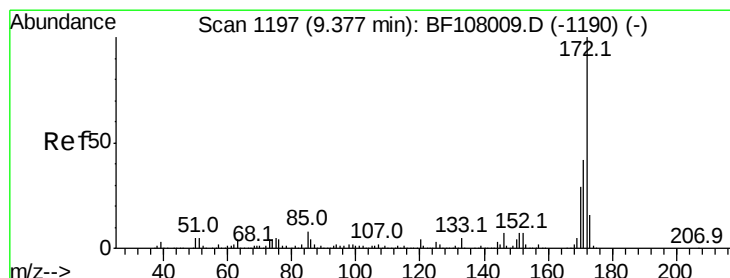
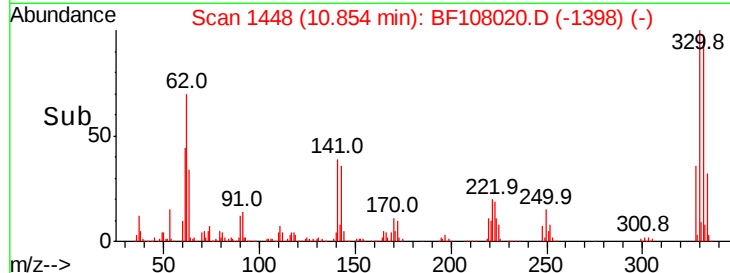
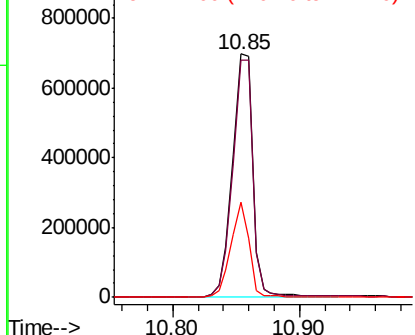
#41
 2,4,6-Tribromophenol
 Concen: 135.148 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108020.D
 Acq: 8 Aug 2018 15:32

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Tot Ion:330 Resp: 779166
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 35.0 29.9 44.9

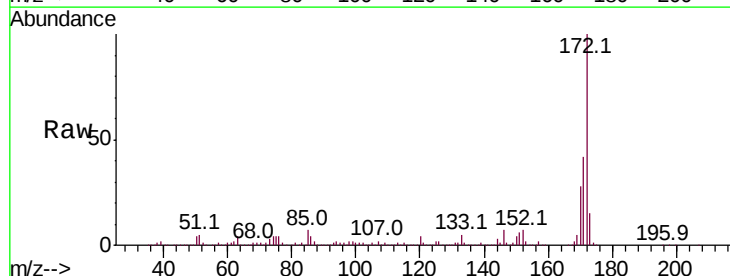


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

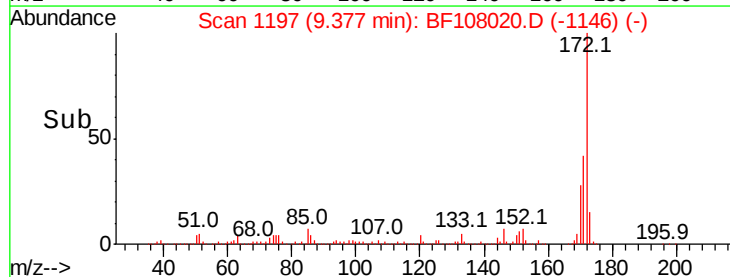
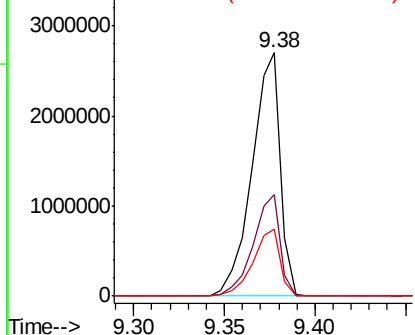


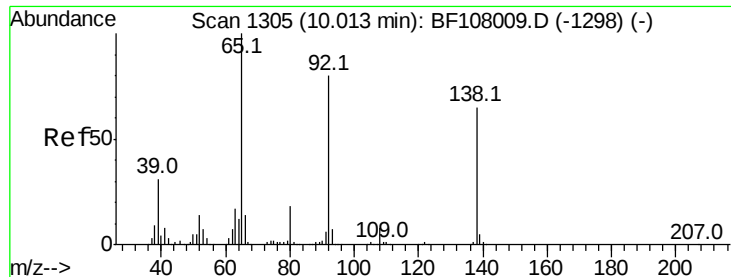
#44
 2-Fluorobiphenyl
 Concen: 81.133 ng
 RT: 9.38 min Scan# 1197
 Delta R.T. -0.00 min
 Lab File: BF108020.D
 Acq: 8 Aug 2018 15:32

Tgt Ion:172 Resp: 2920894
 Ion Ratio Lower Upper
 172 100
 171 41.8 29.7 44.5
 170 27.7 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





#52

3-Nitroaniline

Concen: 4.297 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF108020.D

Acq: 8 Aug 2018 15:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

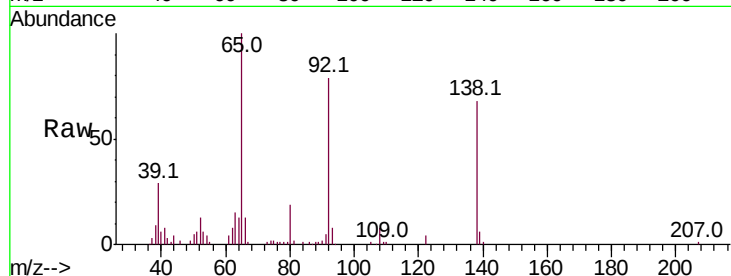
Tot Ion:138 Resp: 39602

Ion Ratio Lower Upper

138 100

108 12.1 9.4 14.0

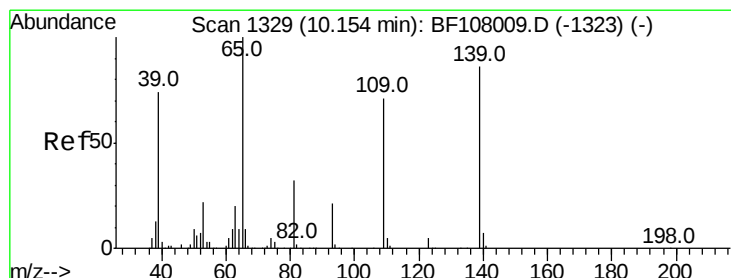
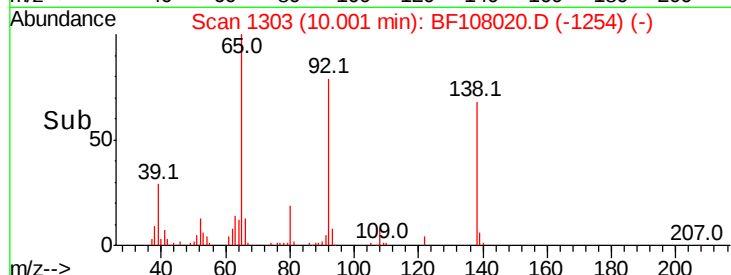
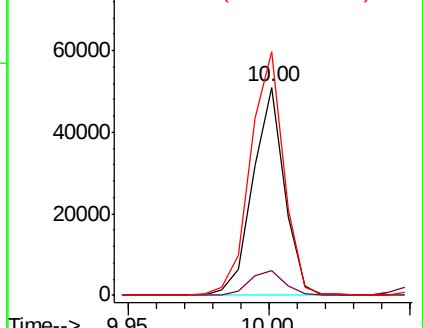
92 117.0 89.4 134.2



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#55

4-Nitrophenol

Concen: 4.116 ng

RT: 10.14 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF108020.D

Acq: 8 Aug 2018 15:32

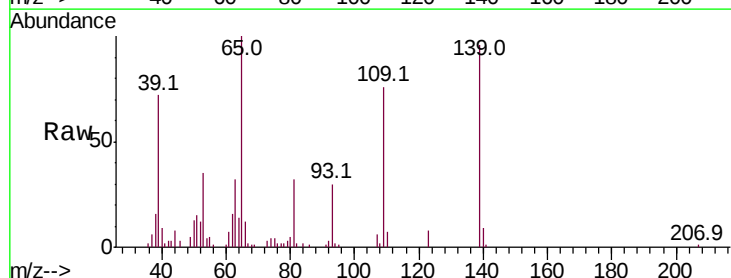
Tgt Ion:139 Resp: 28723

Ion Ratio Lower Upper

139 100

109 79.1 48.4 88.4

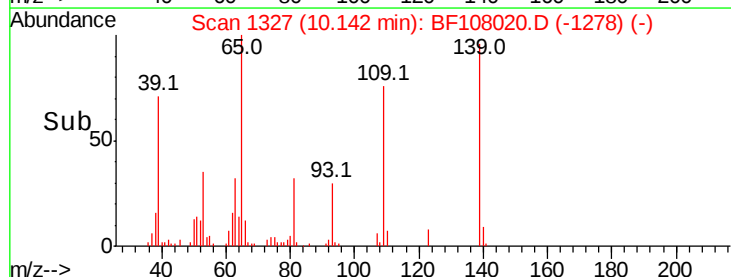
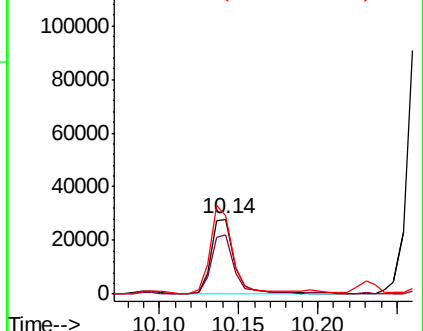
65 104.2 72.6 112.6

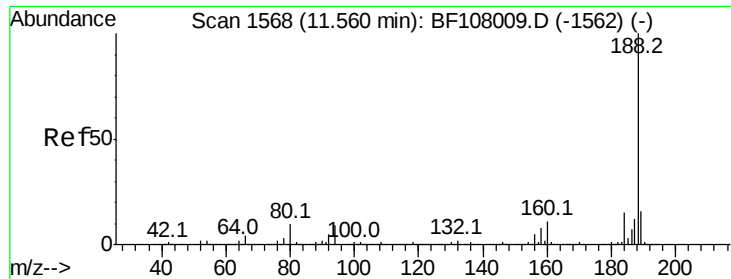


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

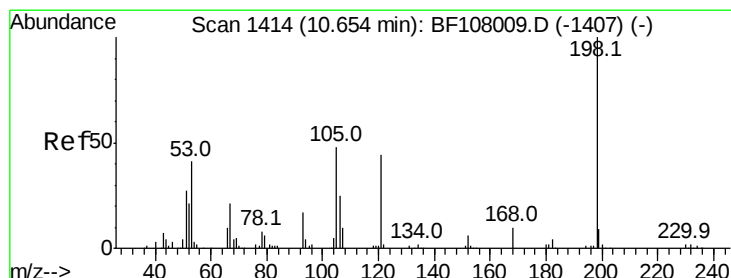
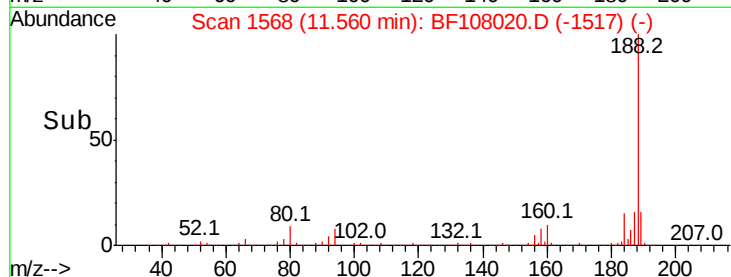
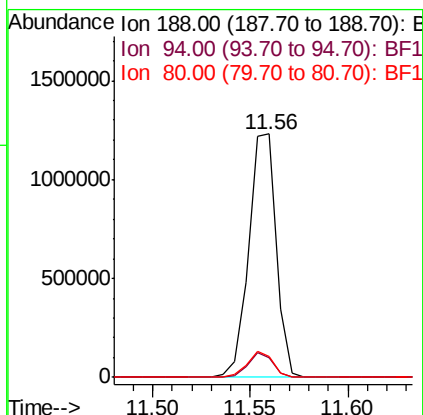
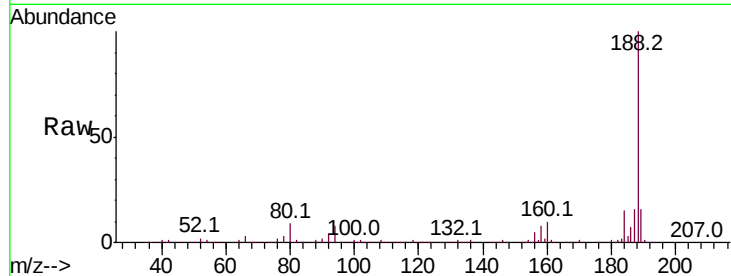




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: BF108020.D
 Acq: 8 Aug 2018 15:32

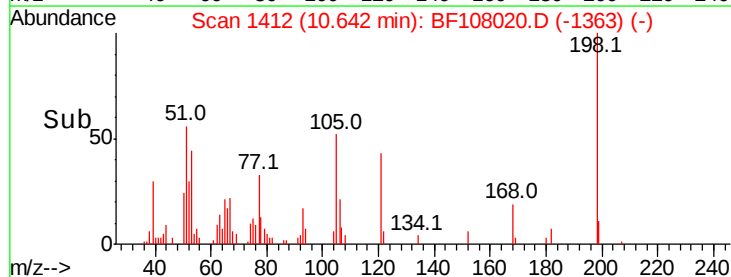
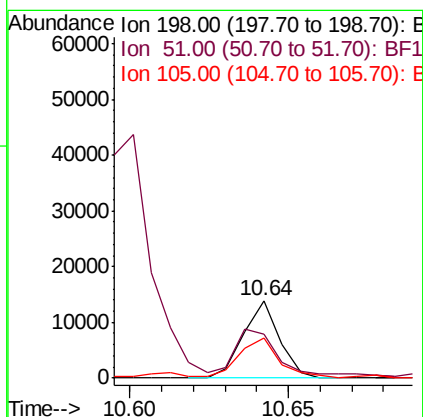
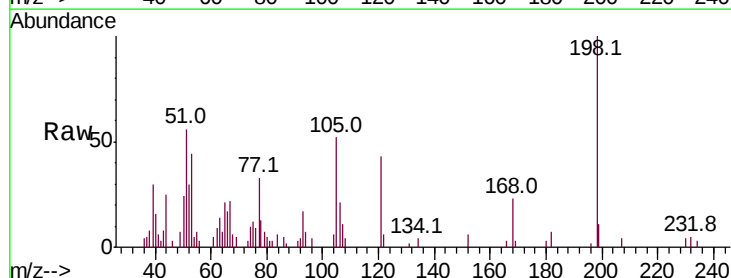
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

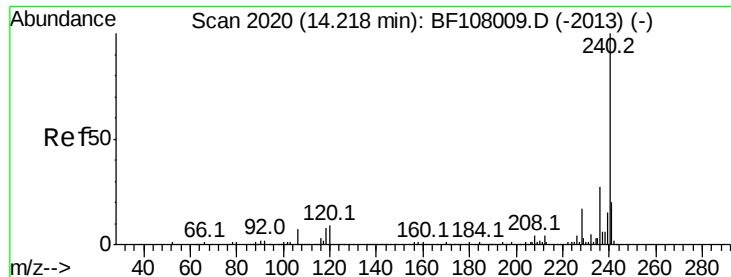
Tot Ion:188 Resp: 1201147
 Ion Ratio Lower Upper
 188 100
 94 8.0 8.5 12.7#
 80 8.8 9.2 13.8#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.486 ng
 RT: 10.64 min Scan# 1412
 Delta R.T. -0.01 min
 Lab File: BF108020.D
 Acq: 8 Aug 2018 15:32

Tgt Ion:198 Resp: 10797
 Ion Ratio Lower Upper
 198 100
 51 56.3 37.7 77.7
 105 51.6 36.3 76.3





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.21 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF108020.D

Acq: 8 Aug 2018 15:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

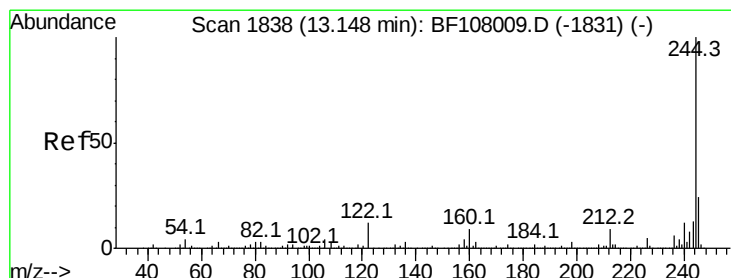
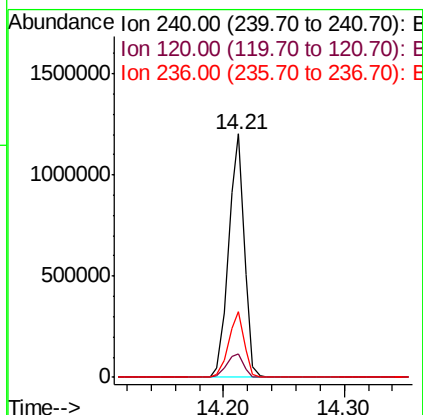
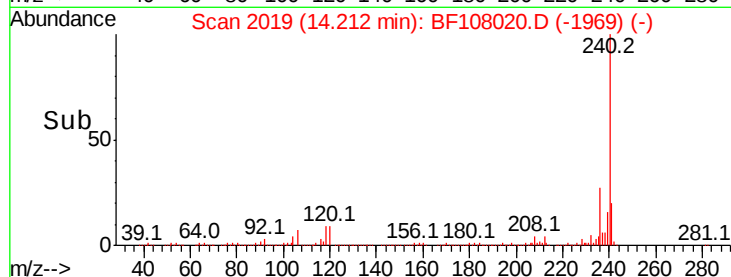
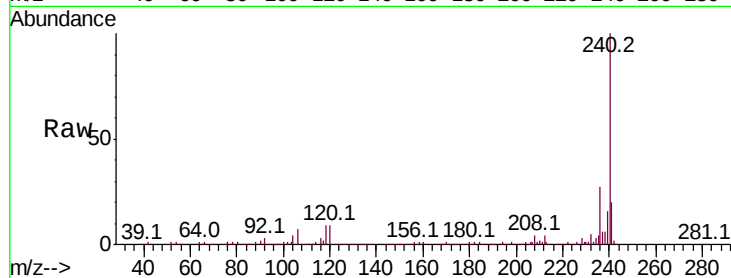
Tot Ion:240 Resp: 1081624

Ion Ratio Lower Upper

240 100

120 9.5 9.5 14.3#

236 26.9 20.7 31.1



#78

Terphenyl-d14

Concen: 83.859 ng

RT: 13.15 min Scan# 1839

Delta R.T. 0.01 min

Lab File: BF108020.D

Acq: 8 Aug 2018 15:32

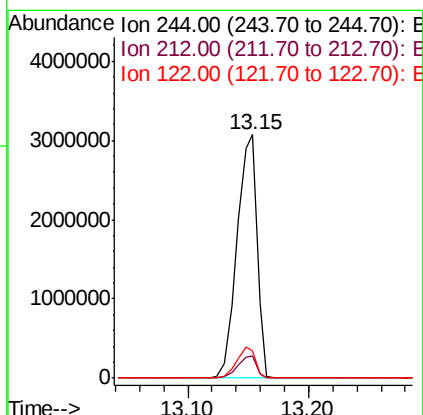
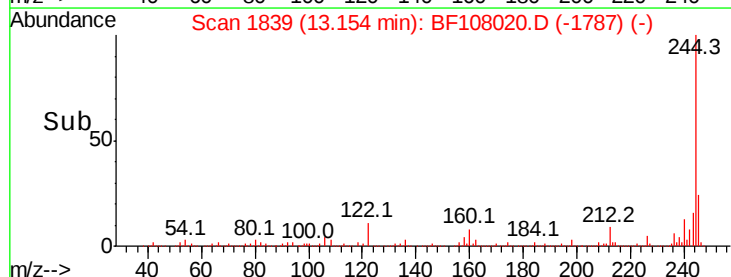
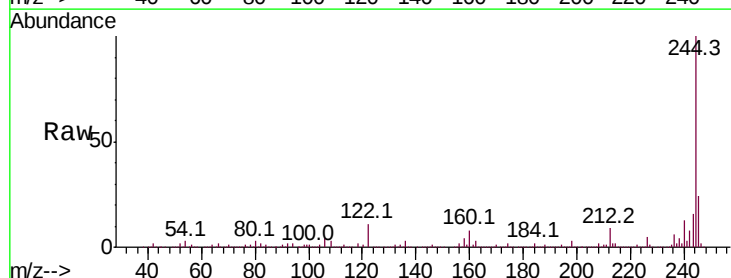
Tgt Ion:244 Resp: 3567402

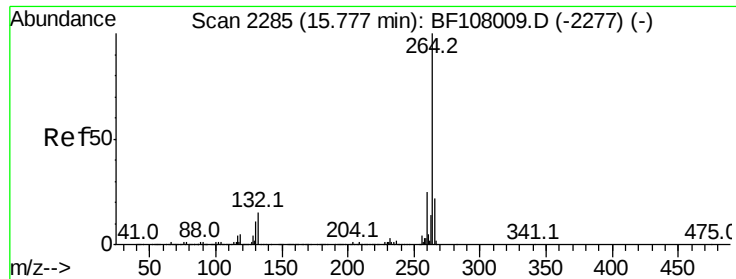
Ion Ratio Lower Upper

244 100

212 9.2 5.4 8.0#

122 11.4 11.0 16.4

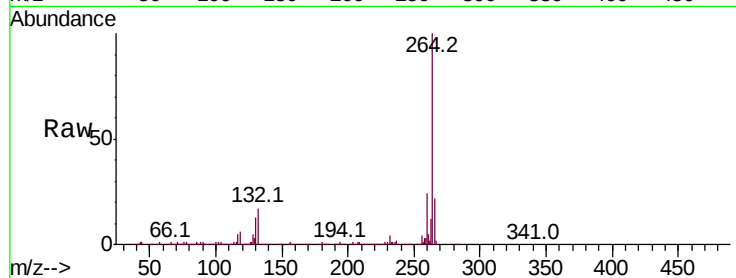




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.77 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF108020.D
Acq: 8 Aug 2018 15:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.0	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

