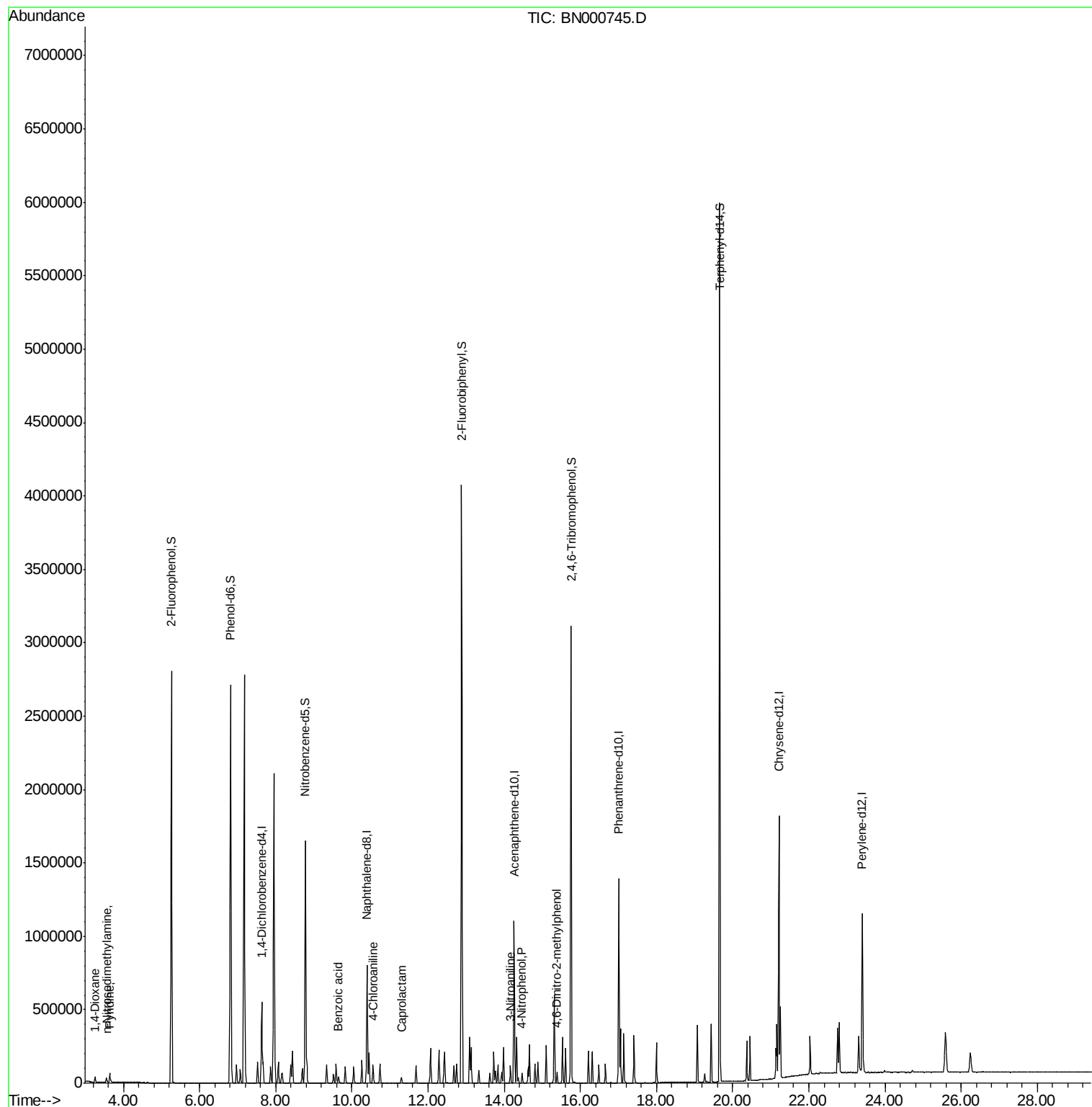
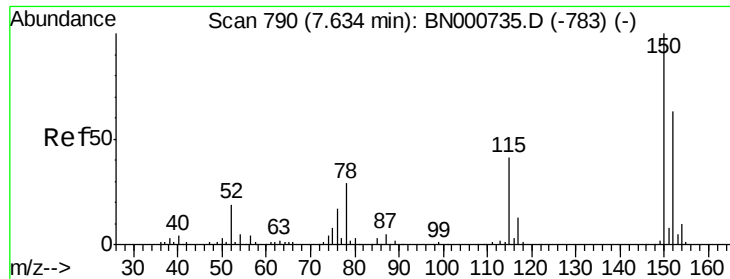


Data Path : Z:\HPCHEM1\BNA N\DATA\BN041818\
Data File : BN000745.D
Acq On : 18 Apr 2018 18:31
Operator : JU/SJ
Sample : J2133-01
Misc : 5PPM LOD
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Quant Time: Apr 19 04:57:42 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN041818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 18 16:58:01 2018
Response via : Initial Calibration



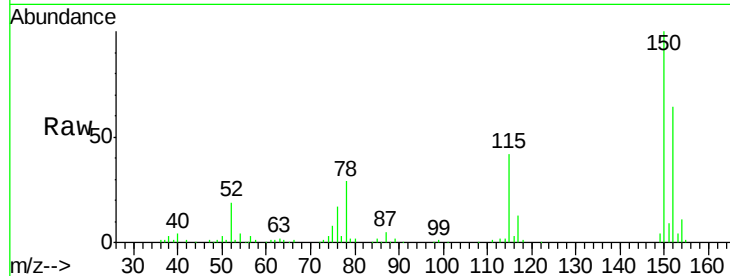


#1

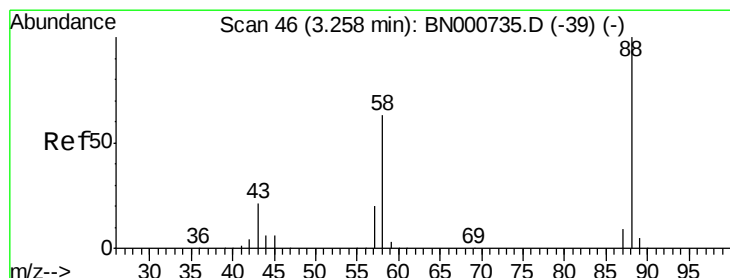
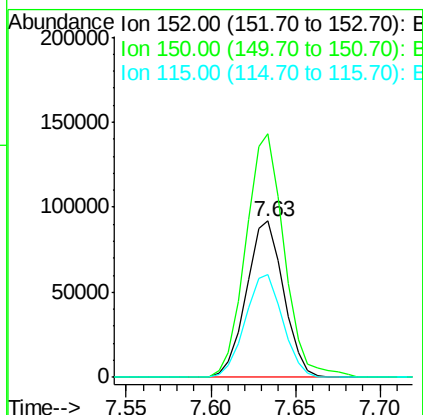
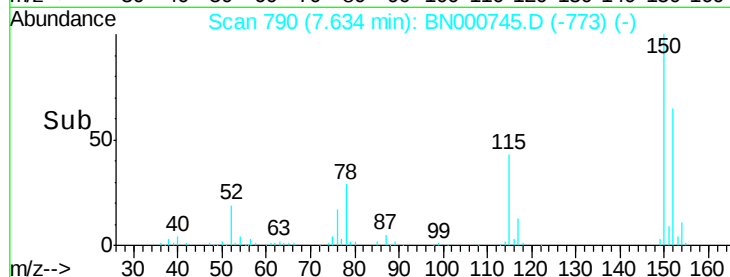
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.63 min Scan# 790
Delta R.T. -0.00 min
Lab File: BN000745.D
Acq: 18 Apr 2018 18:31

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tot Ion:152 Resp: 140924
Ion Ratio Lower Upper
152 100
150 156.1 126.6 189.8
115 65.7 53.0 79.4



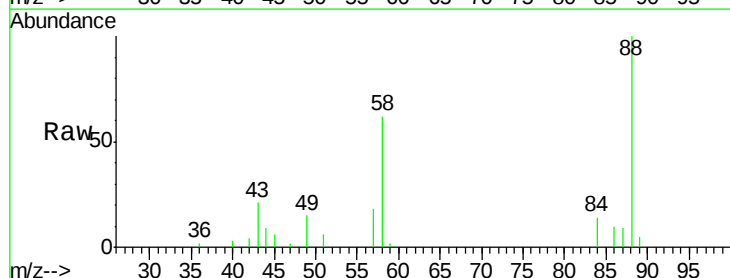
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



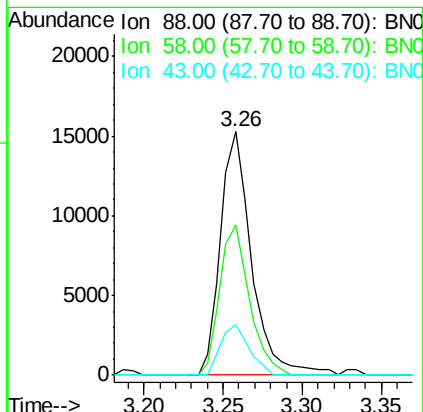
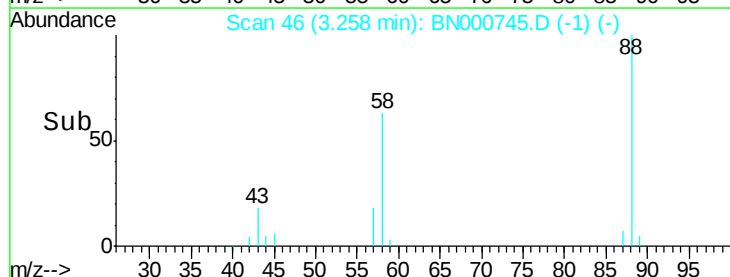
#2

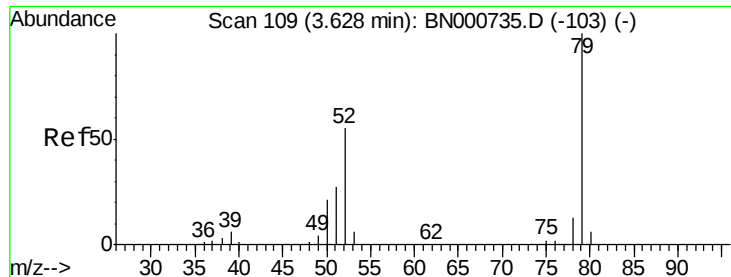
1,4-Dioxane
Concen: 4.786 ng
RT: 3.26 min Scan# 46
Delta R.T. -0.00 min
Lab File: BN000745.D
Acq: 18 Apr 2018 18:31

Tgt Ion: 88 Resp: 20826
Ion Ratio Lower Upper
88 100
58 59.2 52.0 78.0
43 18.8 20.0 30.0#



Abundance Ion 88.00 (87.70 to 88.70): BNC
Ion 58.00 (57.70 to 58.70): BNC
Ion 43.00 (42.70 to 43.70): BNC





#3

Pvridine

Concen: 4.590 ng

RT: 3.63 min Scan# 110

Delta R.T. 0.01 min

Lab File: BN000745.D

Acq: 18 Apr 2018 18:31

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

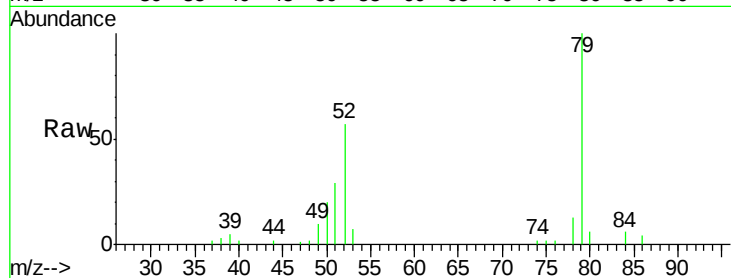
Tot Ion: 79 Resp: 52610

Ion Ratio Lower Upper

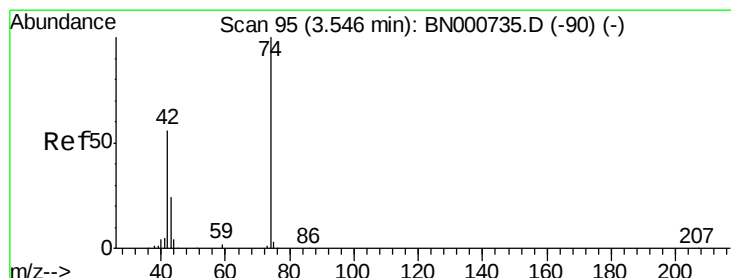
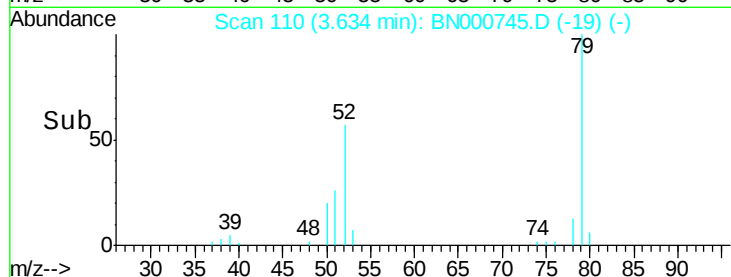
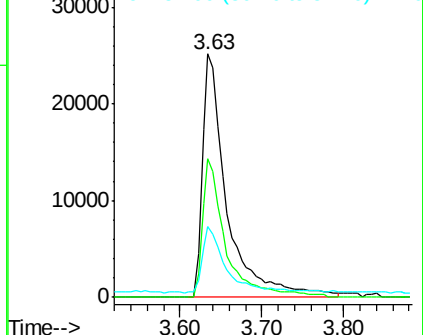
79 100

52 57.0 44.0 66.0

51 29.3 24.0 36.0



Abundance Ion 79.00 (78.70 to 79.70): BNC
Ion 52.00 (51.70 to 52.70): BNC
Ion 51.00 (50.70 to 51.70): BNC



#4

n-Nitrosodimethylamine

Concen: 4.268 ng

RT: 3.55 min Scan# 96

Delta R.T. 0.01 min

Lab File: BN000745.D

Acq: 18 Apr 2018 18:31

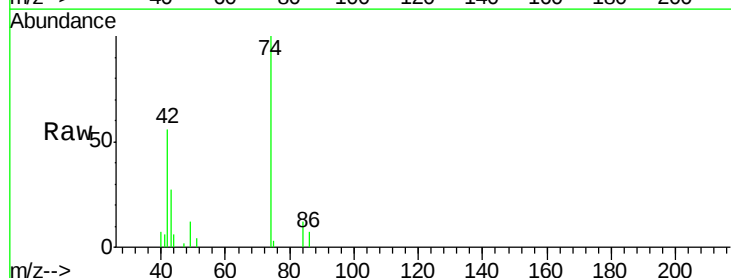
Tgt Ion: 42 Resp: 13453

Ion Ratio Lower Upper

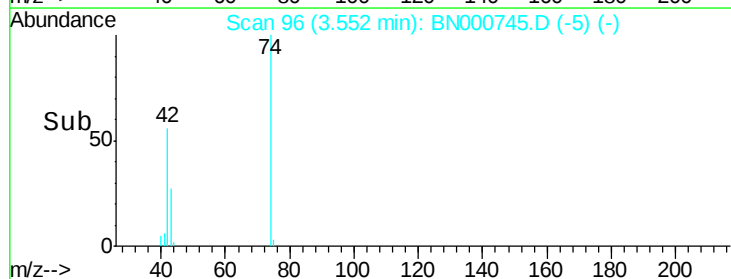
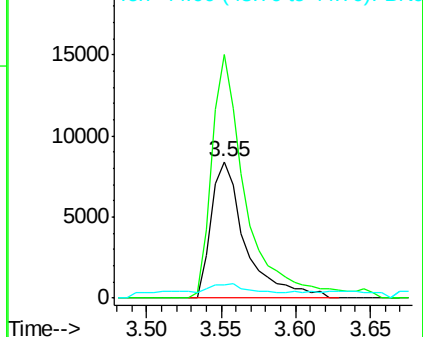
42 100

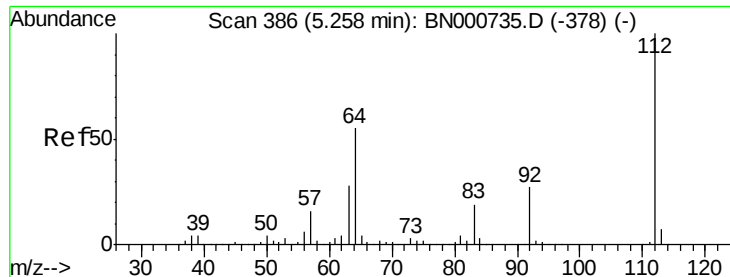
74 178.8 128.0 192.0

44 10.1 12.0 18.0#



Abundance Ion 42.00 (41.70 to 42.70): BNC
Ion 74.00 (73.70 to 74.70): BNC
Ion 44.00 (43.70 to 44.70): BNC





#5

2-Fluorophenol

Concen: 134.305 ng

RT: 5.26 min Scan# 386

Delta R.T. -0.00 min

Lab File: BN000745.D

Acq: 18 Apr 2018 18:31

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

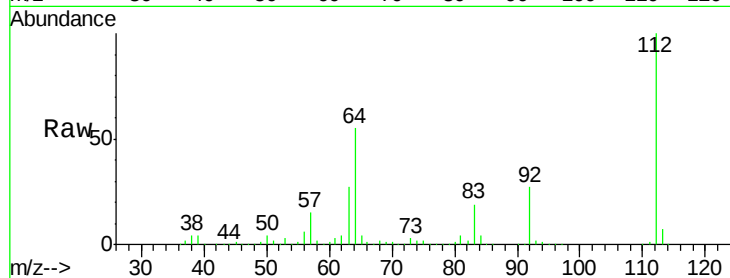
Tot Ion:112 Resp: 1274118

Ion Ratio Lower Upper

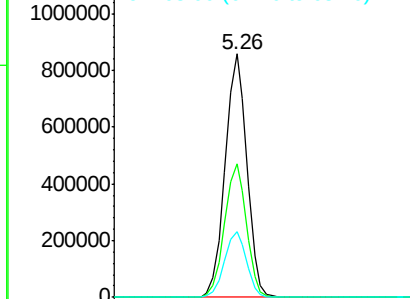
112 100

64 54.7 56.3 84.5#

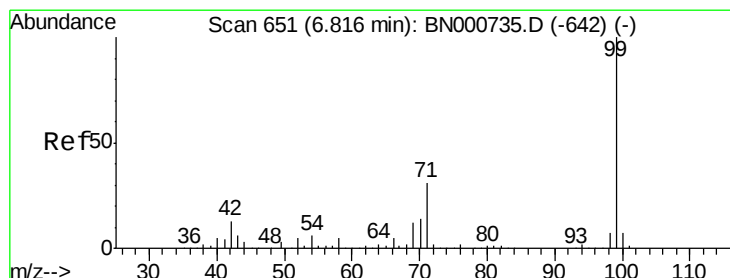
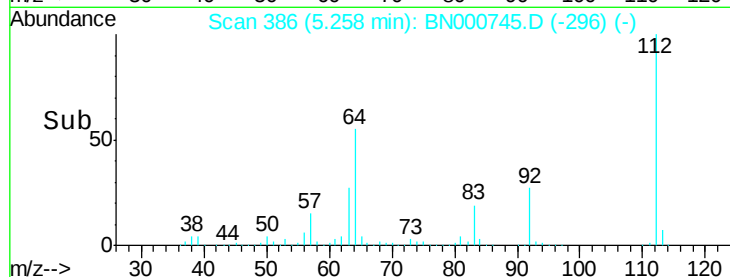
63 27.2 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): BNC
Ion 64.00 (63.70 to 64.70): BNC
Ion 63.00 (62.70 to 63.70): BNC



Time-->



#7

Phenol-d6

Concen: 134.010 ng

RT: 6.82 min Scan# 651

Delta R.T. -0.00 min

Lab File: BN000745.D

Acq: 18 Apr 2018 18:31

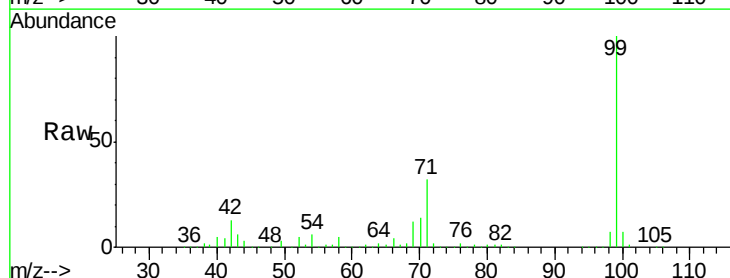
Tgt Ion: 99 Resp: 1732459

Ion Ratio Lower Upper

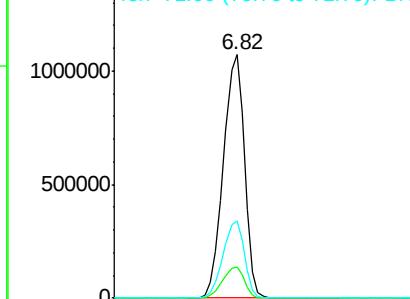
99 100

42 12.7 14.1 21.1#

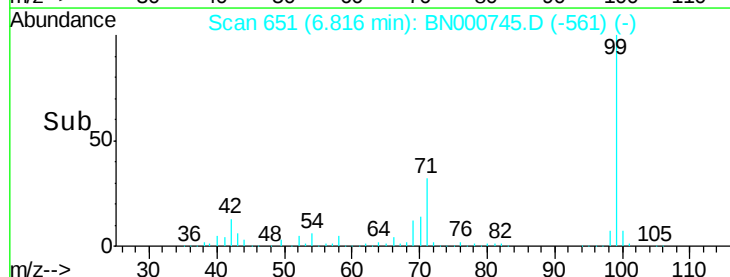
71 31.7 26.1 39.1

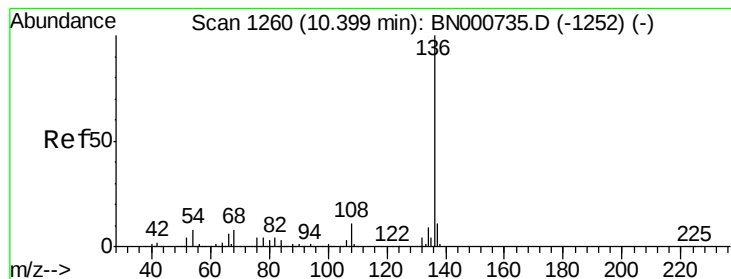


Abundance Ion 99.00 (98.70 to 99.70): BNC
Ion 42.00 (41.70 to 42.70): BNC
Ion 71.00 (70.70 to 71.70): BNC



Time-->





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.40 min Scan# 1260

Delta R.T. -0.00 min

Lab File: BN000745.D

Acq: 18 Apr 2018 18:31

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

Tot Ion:136 Resp: 632138

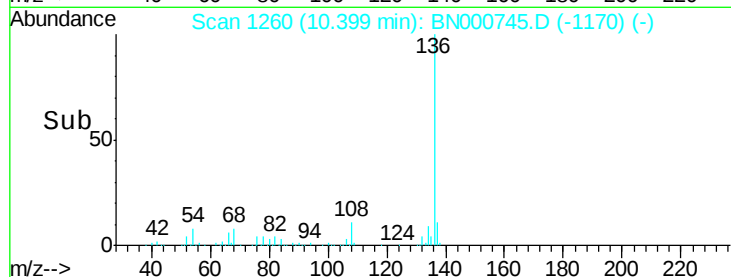
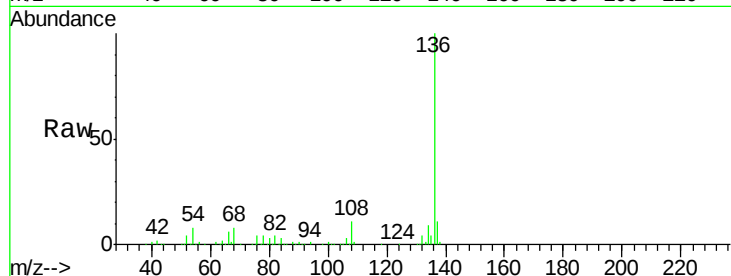
Ion Ratio Lower Upper

136 100

137 10.8 9.2 13.8

54 7.5 10.3 15.5#

68 7.6 4.5 6.7#

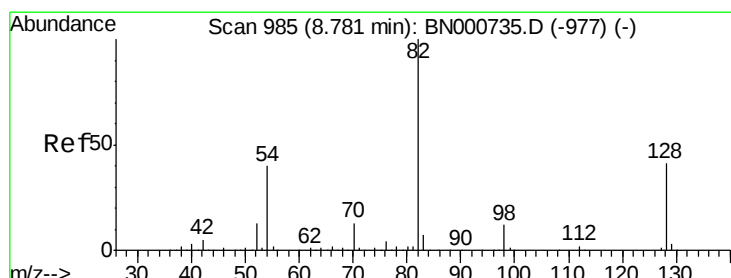
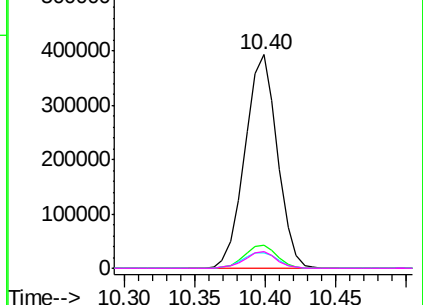


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#23

Nitrobenzene-d5

Concen: 83.244 ng

RT: 8.78 min Scan# 984

Delta R.T. -0.01 min

Lab File: BN000745.D

Acq: 18 Apr 2018 18:31

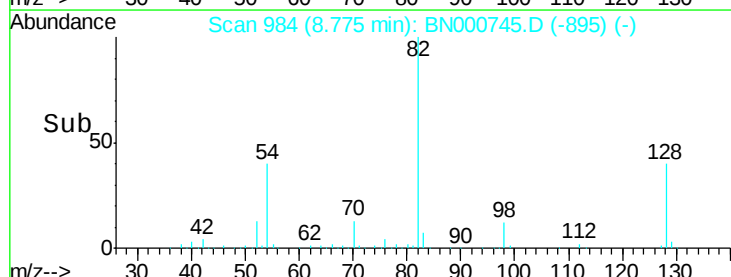
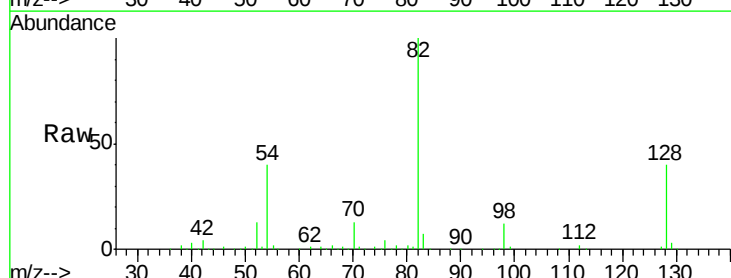
Tgt Ion: 82 Resp: 1009428

Ion Ratio Lower Upper

82 100

128 40.2 29.7 44.5

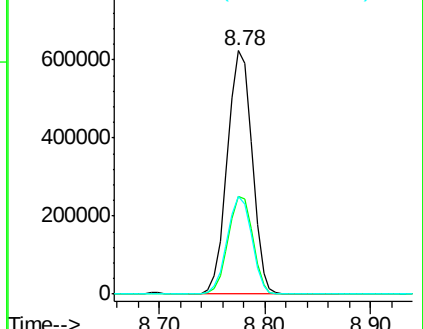
54 40.1 43.1 64.7#

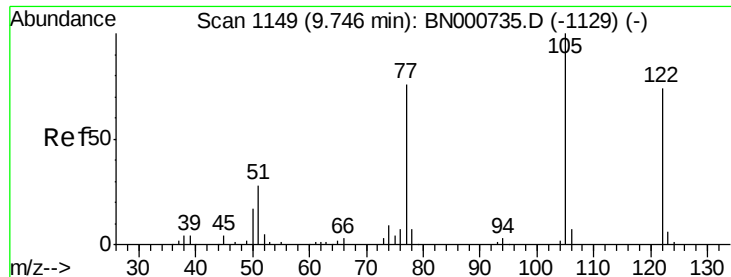


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

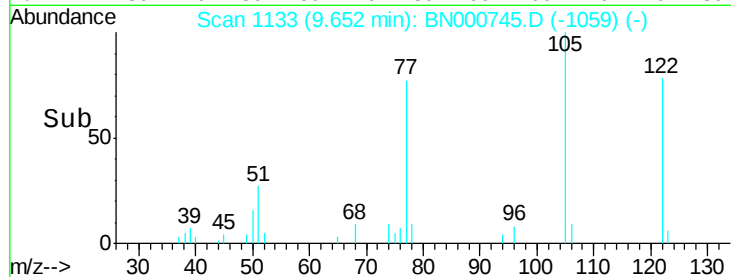
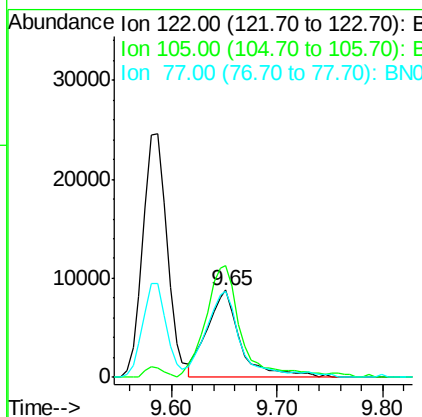
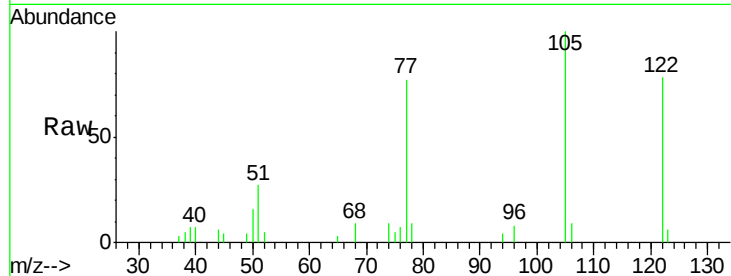




#32
Benzoic acid
Concen: 6.754 ng
RT: 9.65 min Scan# 1133
Delta R.T. -0.09 min
Lab File: BN000745.D
Acq: 18 Apr 2018 18:31

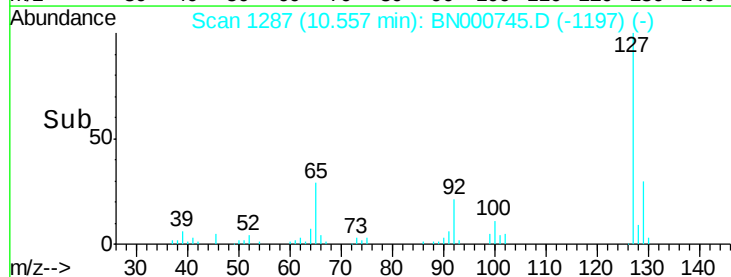
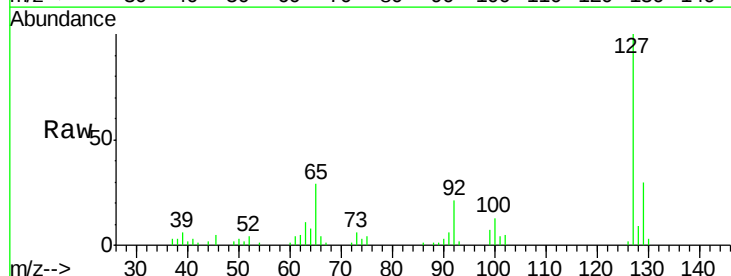
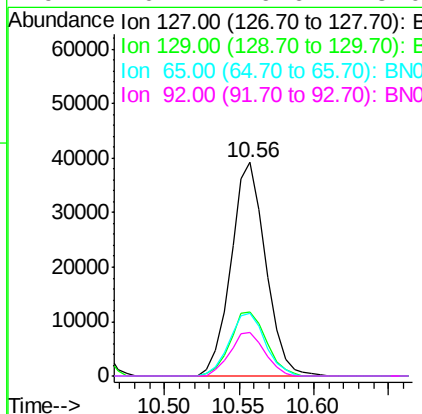
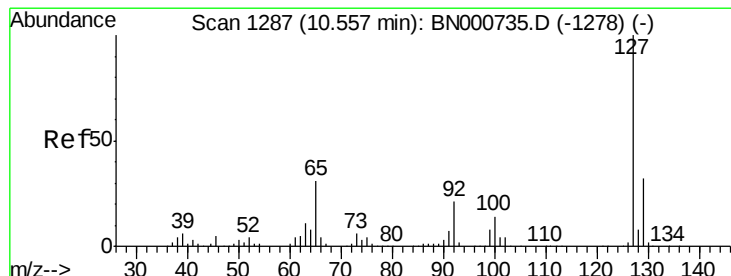
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

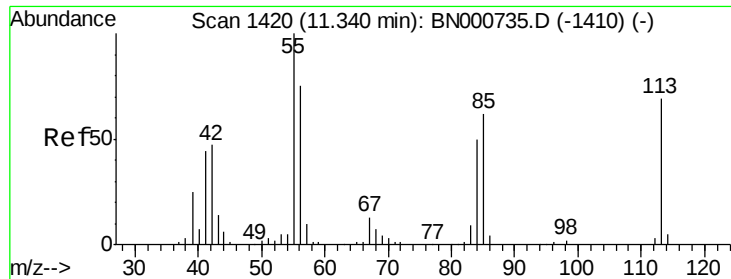
Tot Ion:122 Resp: 19416
Ion Ratio Lower Upper
122 100
105 128.4 123.5 163.5
77 99.4 85.7 125.7



#33
4-Chloroaniline
Concen: 4.574 ng
RT: 10.56 min Scan# 1287
Delta R.T. -0.00 min
Lab File: BN000745.D
Acq: 18 Apr 2018 18:31

Tgt Ion:127 Resp: 63481
Ion Ratio Lower Upper
127 100
129 30.2 24.0 36.0
65 29.3 27.0 40.4
92 20.7 16.6 25.0

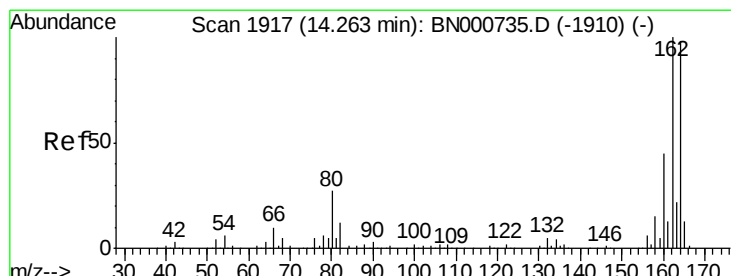
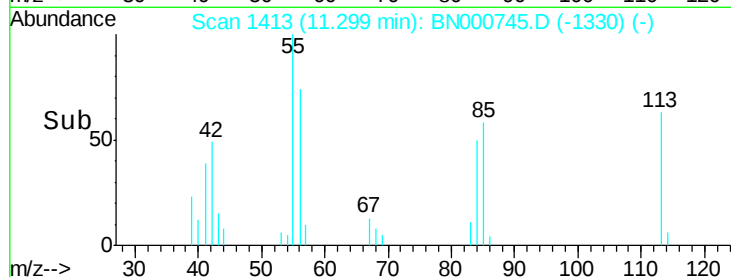
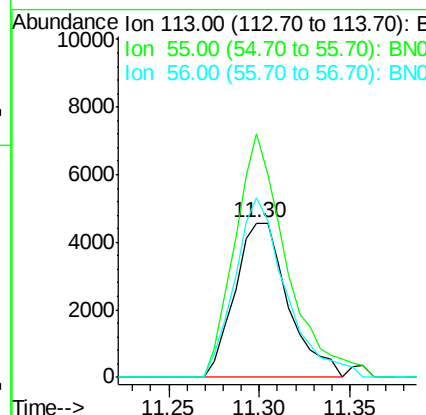
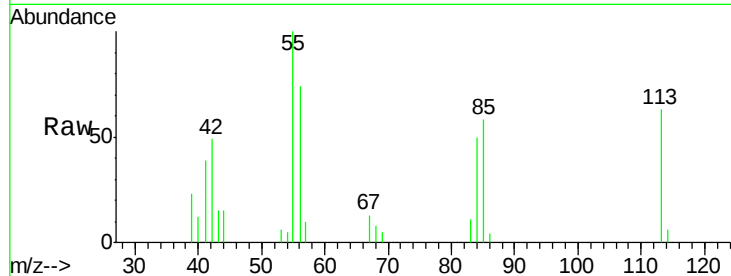




#35
 Caprolactam
 Concen: 3.146 ng
 RT: 11.30 min Scan# 1413
 Delta R.T. -0.04 min
 Lab File: BN000745.D
 Acq: 18 Apr 2018 18:31

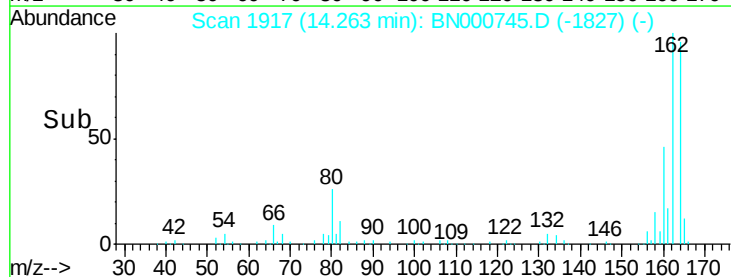
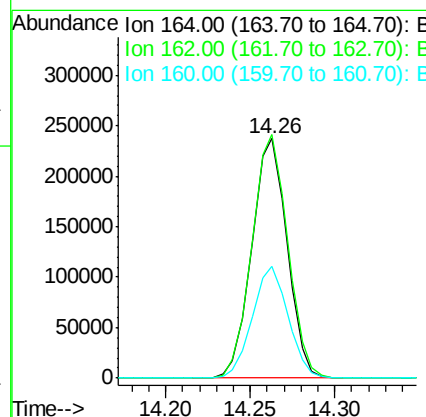
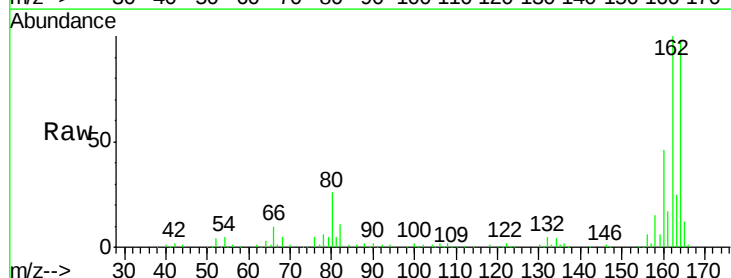
Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018

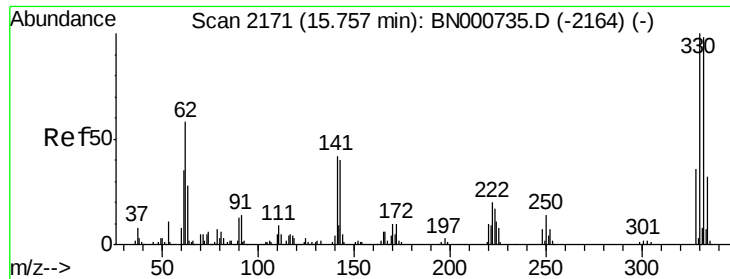
Tot Ion:113 Resp: 9320
 Ion Ratio Lower Upper
 113 100
 55 157.6 120.0 160.0
 56 116.0 90.0 130.0



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.26 min Scan# 1917
 Delta R.T. -0.00 min
 Lab File: BN000745.D
 Acq: 18 Apr 2018 18:31

Tgt Ion:164 Resp: 345441
 Ion Ratio Lower Upper
 164 100
 162 101.6 78.8 118.2
 160 46.4 35.4 53.0

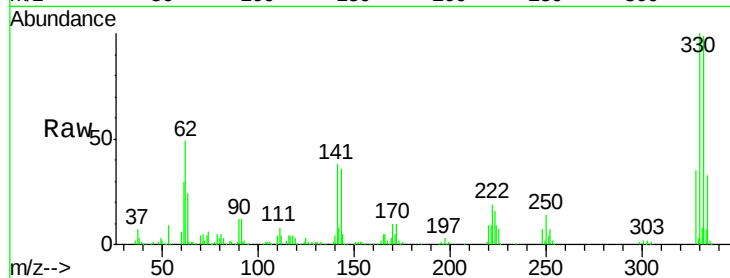




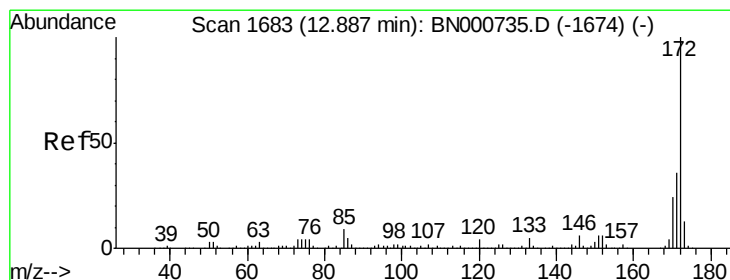
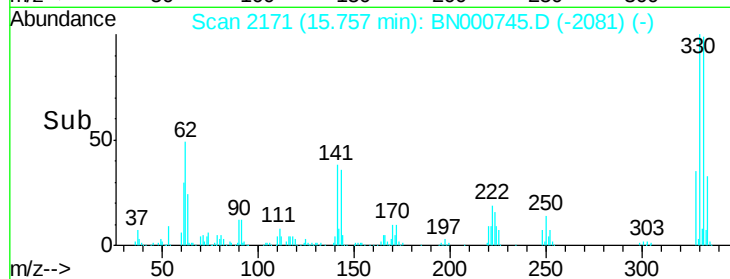
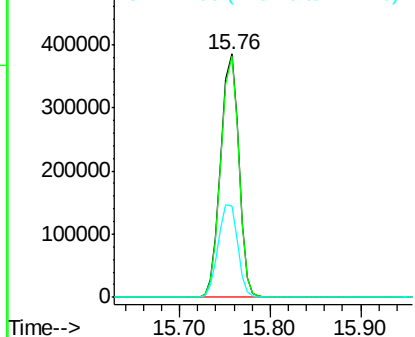
#41
 2,4,6-Tribromophenol
 Concen: 153.644 ng
 RT: 15.76 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: BN000745.D
 Acq: 18 Apr 2018 18:31

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018

Tot Ion:330 Resp: 534311
 Ion Ratio Lower Upper
 330 100
 332 97.9 77.0 115.6
 141 40.4 25.2 37.8#

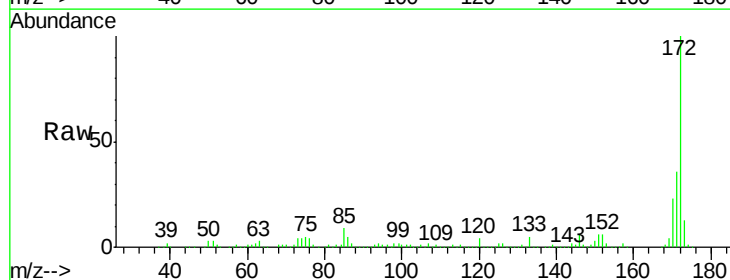


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

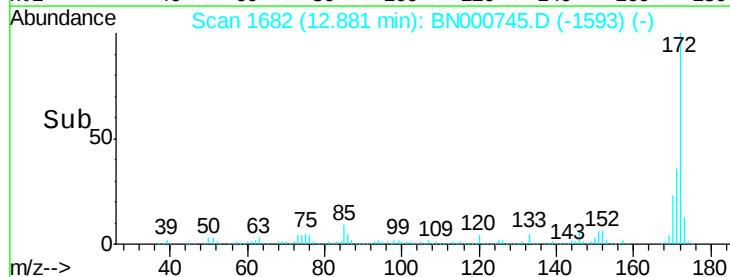
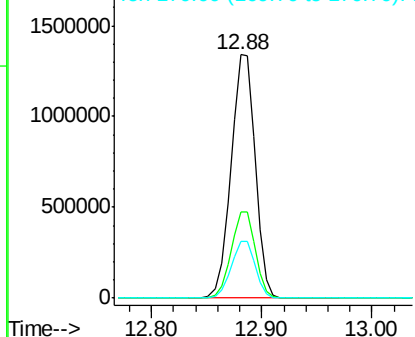


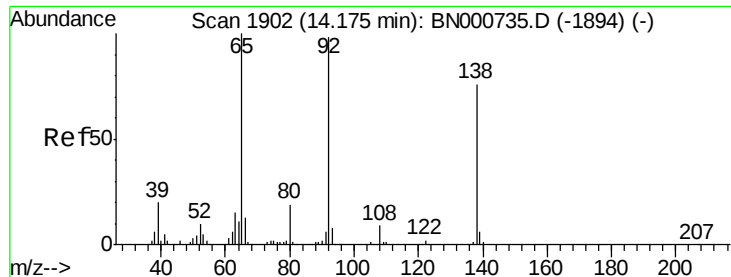
#44
 2-Fluorobiphenyl
 Concen: 82.312 ng
 RT: 12.88 min Scan# 1682
 Delta R.T. -0.01 min
 Lab File: BN000745.D
 Acq: 18 Apr 2018 18:31

Tgt Ion:172 Resp: 2059734
 Ion Ratio Lower Upper
 172 100
 171 35.5 30.0 45.0
 170 23.4 19.5 29.3



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: 3.860 ng

RT: 14.16 min Scan# 1900

Delta R.T. -0.01 min

Lab File: BN000745.D

Acq: 18 Apr 2018 18:31

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

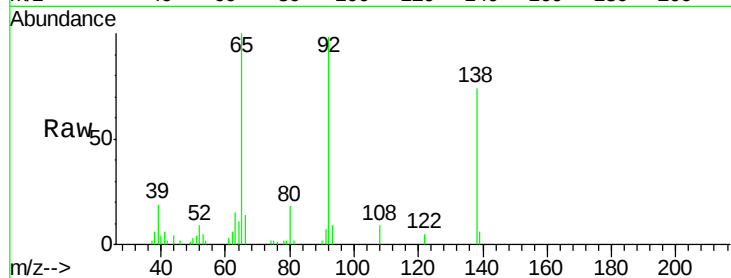
Tot Ion:138 Resp: 25686

Ion Ratio Lower Upper

138 100

108 12.2 17.5 26.3#

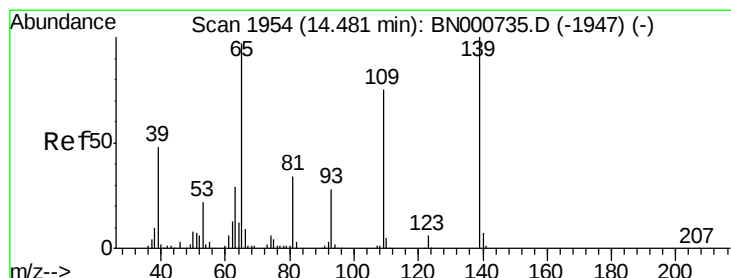
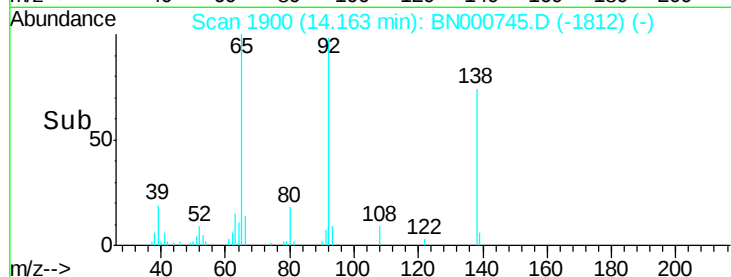
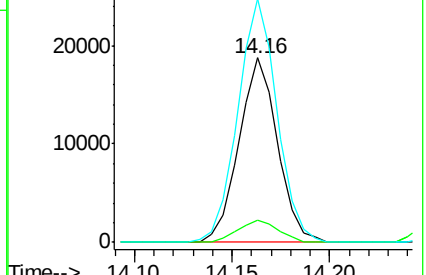
92 131.8 105.8 158.8



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): BNC



#55

4-Nitrophenol

Concen: 3.406 ng

RT: 14.47 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BN000745.D

Acq: 18 Apr 2018 18:31

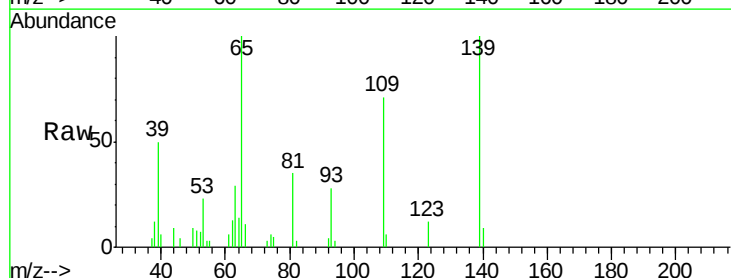
Tgt Ion:139 Resp: 16831

Ion Ratio Lower Upper

139 100

109 71.3 62.2 102.2

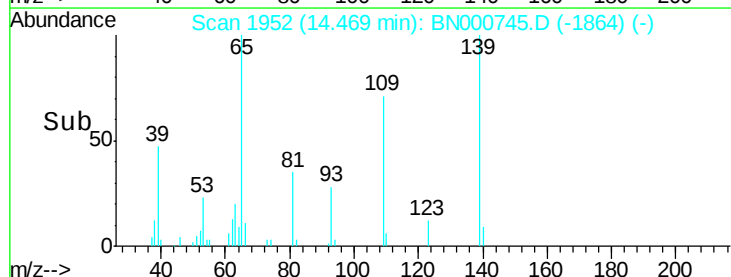
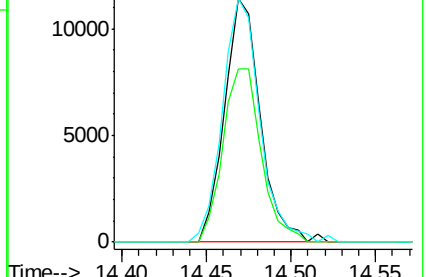
65 100.0 97.2 137.2

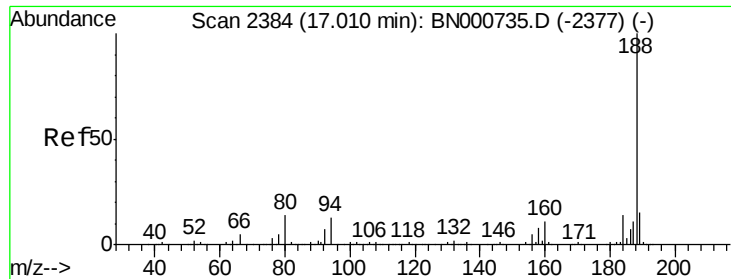


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BNC

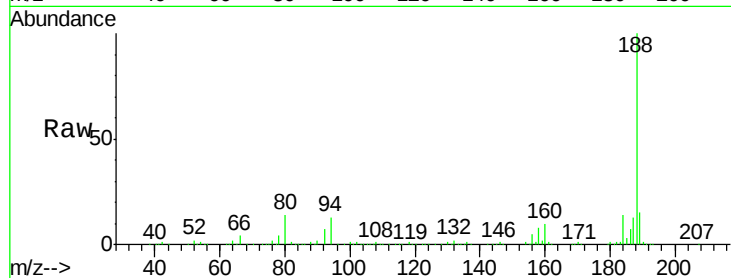




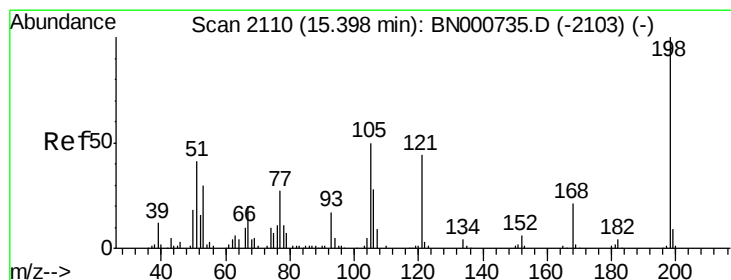
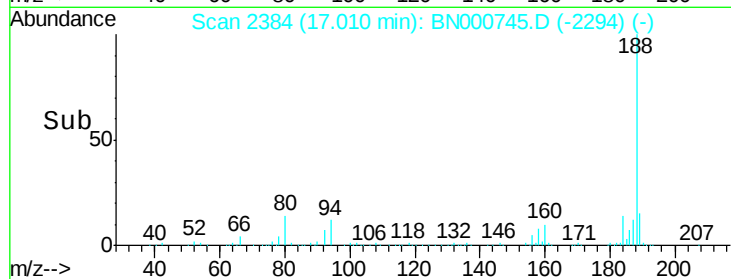
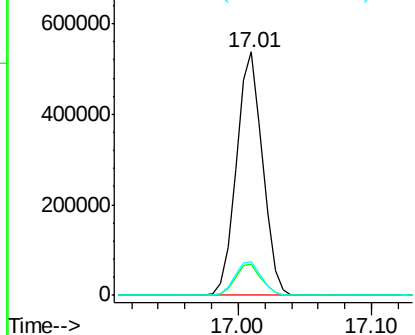
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.01 min Scan# 2384
 Delta R.T. -0.00 min
 Lab File: BN000745.D
 Acq: 18 Apr 2018 18:31

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018

Tot Ion:188 Resp: 728642
 Ion Ratio Lower Upper
 188 100
 94 12.8 6.9 10.3#
 80 13.8 7.7 11.5#

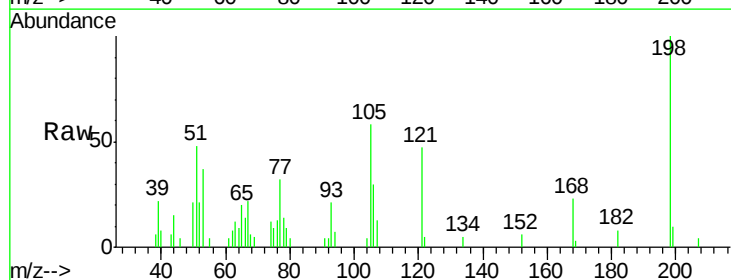


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BNC
 Ion 80.00 (79.70 to 80.70): BNC

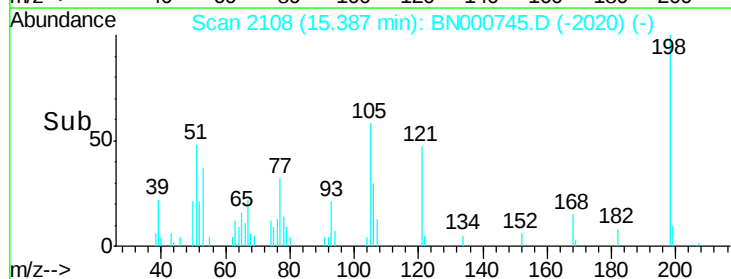
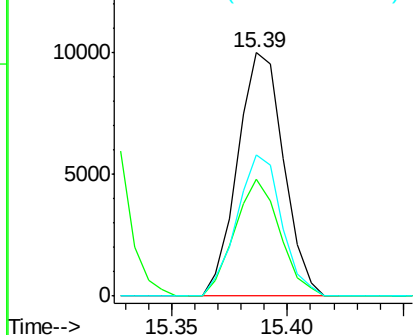


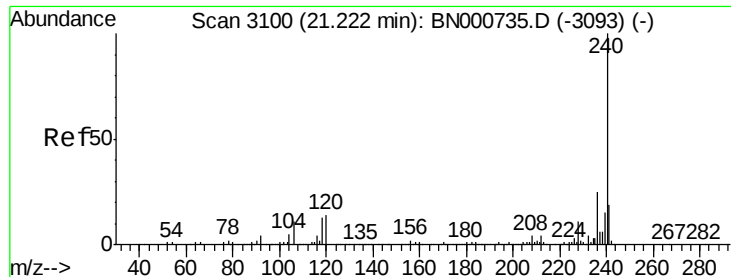
#64
 4,6-Dinitro-2-methylphenol
 Concen: 3.082 ng
 RT: 15.39 min Scan# 2108
 Delta R.T. -0.01 min
 Lab File: BN000745.D
 Acq: 18 Apr 2018 18:31

Tgt Ion:198 Resp: 13869
 Ion Ratio Lower Upper
 198 100
 51 47.9 30.6 70.6
 105 57.8 23.8 63.8



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.22 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BN000745.D

Acq: 18 Apr 2018 18:31

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

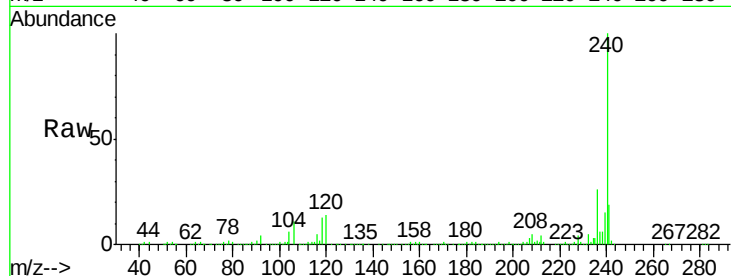
Tot Ion:240 Resp: 719746

Ion Ratio Lower Upper

240 100

120 14.5 6.8 10.2#

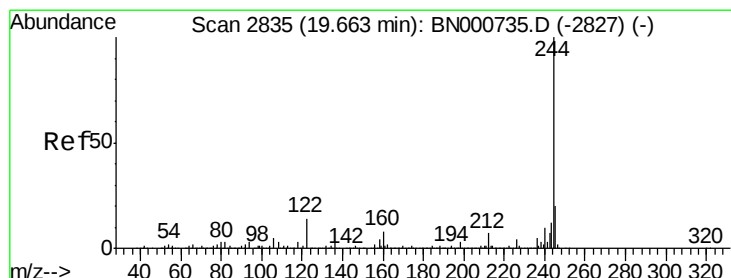
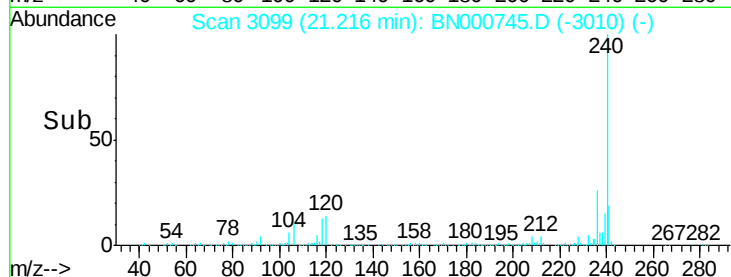
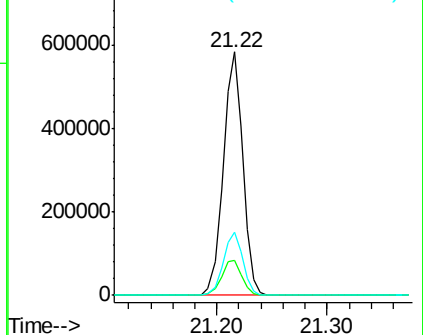
236 25.9 20.9 31.3



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: 79.791 ng

RT: 19.66 min Scan# 2835

Delta R.T. -0.00 min

Lab File: BN000745.D

Acq: 18 Apr 2018 18:31

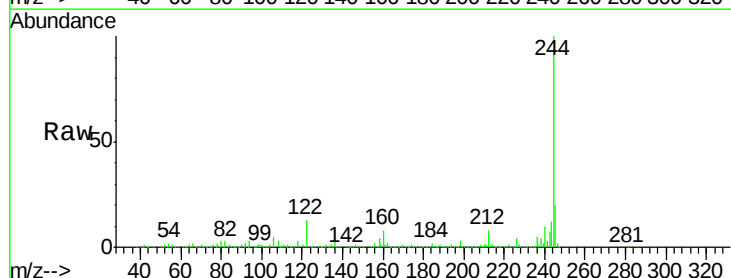
Tgt Ion:244 Resp: 2663541

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

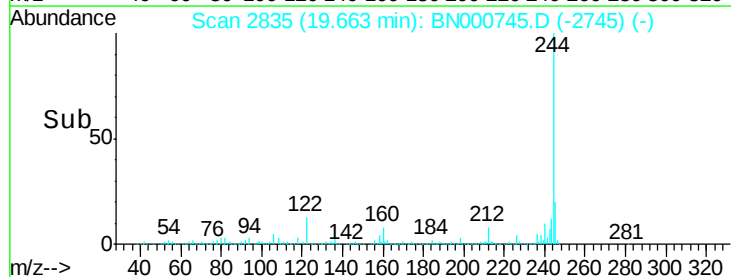
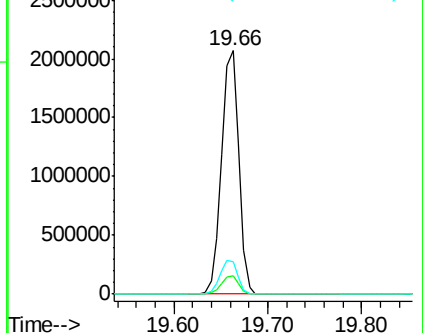
122 13.3 7.0 10.4#

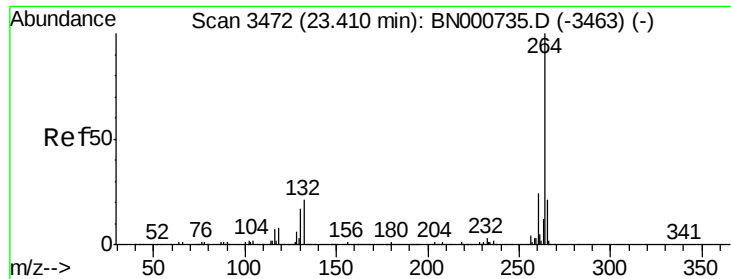


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

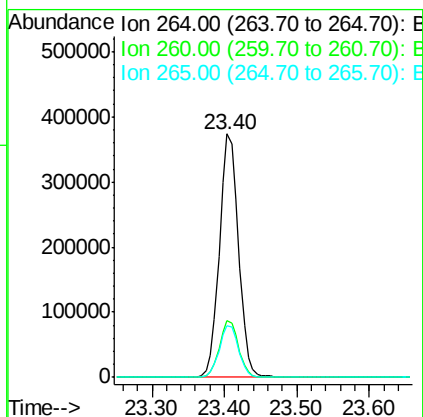
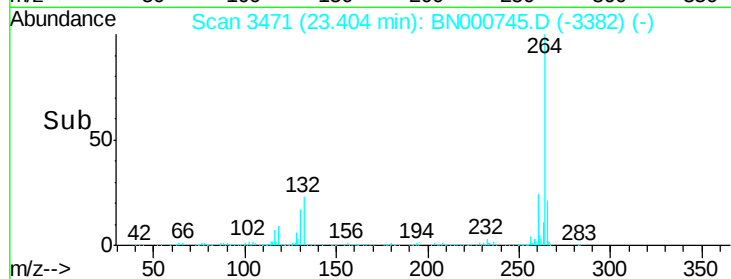
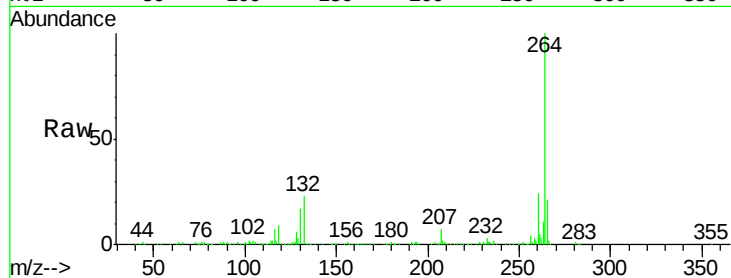




#86
Pervlone-d12
Concen: 20.000 ng
RT: 23.40 min Scan# 3471
Delta R.T. -0.01 min
Lab File: BN000745.D
Acq: 18 Apr 2018 18:31

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	17.4	26.0
265	21.0	17.7	26.5



Data Path : Z:\HPCHEM1\BNA N\DATA\BN041818\
 Data File : BN000745.D
 Acq On : 18 Apr 2018 18:31
 Operator : JU/SJ
 Sample : J2133-01
 Misc : 5PPM LOD
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018

Quant Time: Apr 19 04:57:42 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN041818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 18 16:58:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	140924	20.00	ng	0.00
21) Naphthalene-d8	10.40	136	632138	20.00	ng	0.00
38) Acenaphthene-d10	14.26	164	345441	20.00	ng	0.00
63) Phenanthrene-d10	17.01	188	728642	20.00	ng	0.00
75) Chrysene-d12	21.22	240	719746	20.00	ng	0.00
86) Perylene-d12	23.40	264	684118	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1274118	134.31	ng	0.00
7) Phenol-d6	6.82	99	1732459	134.01	ng	0.00
23) Nitrobenzene-d5	8.78	82	1009428	83.24	ng	0.00
41) 2,4,6-Tribromophenol	15.76	330	534311	153.64	ng	0.00
44) 2-Fluorobiphenyl	12.88	172	2059734	82.31	ng	0.00
78) Terphenyl-d14	19.66	244	2663541	79.79	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.26	88	20826	4.786	ng	Qvalue # 91
3) Pyridine	3.63	79	52610	4.590	ng	98
4) n-Nitrosodimethylamine	3.55	42	13453	4.268	ng	# 86
32) Benzoic acid	9.65	122	19416	6.754	ng	90
33) 4-Chloroaniline	10.56	127	63481	4.574	ng	97
35) Caprolactam	11.30	113	9320	3.146	ng	89
52) 3-Nitroaniline	14.16	138	25686	3.860	ng	# 97
55) 4-Nitrophenol	14.47	139	16831	3.406	ng	86
64) 4,6-Dinitro-2-methylphenol	15.39	198	13869	3.082	ng	88

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