

Data Path : Z:\HPCHEM1\BNA N\DATA\BN021518\
 Data File : BN000091.D
 Acq On : 15 Feb 2018 11:49
 Operator : JU/SJ
 Sample : J1161-01
 Misc : 5 PPM LOD
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2018

Quant Time: Feb 16 06:09:59 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN020718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 07 18:24:45 2018
 Response via : Initial Calibration

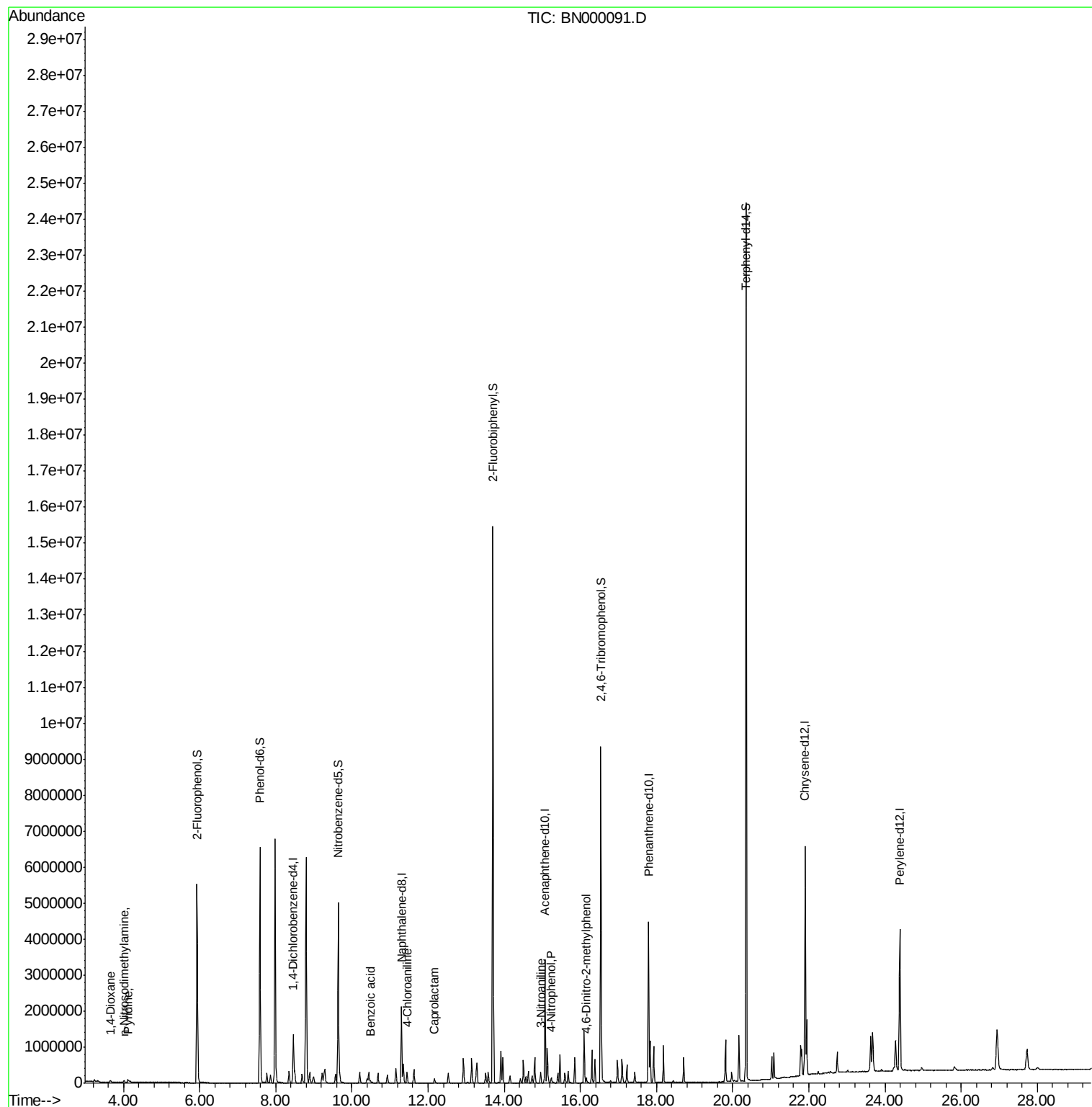
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	367461	20.00	ng	0.00
21) Naphthalene-d8	11.30	136	1829803	20.00	ng	0.00
38) Acenaphthene-d10	15.07	164	1107432	20.00	ng	-0.01
63) Phenanthrene-d10	17.79	188	2446728	20.00	ng	0.00
75) Chrysene-d12	21.90	240	2665028	20.00	ng	-0.02
86) Perylene-d12	24.39	264	2760380	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.93	112	3015743	133.75	ng	-0.01
7) Phenol-d6	7.58	99	4336733	126.98	ng	-0.01
23) Nitrobenzene-d5	9.64	82	3044960	98.94	ng	-0.01
41) 2,4,6-Tribromophenol	16.54	330	1452205	132.48	ng	-0.01
44) 2-Fluorobiphenyl	13.70	172	7672701	97.65	ng	-0.01
78) Terphenyl-d14	20.35	244	9536264	96.62	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.66	88	43116	4.752	ng	95
3) Pyridine	4.12	79	114352	4.049	ng	97
4) n-Nitrosodimethylamine	4.01	42	32044	4.012	ng	100
32) Benzoic acid	10.48	122	17691	11.217	ng	# 82
33) 4-Chloroaniline	11.45	127	161804	3.672	ng	94
35) Caprolactam	12.17	113	22725	5.885	ng	90
52) 3-Nitroaniline	14.96	138	67497	2.905	ng	# 97
55) 4-Nitrophenol	15.23	139	38350	6.866	ng	# 80
64) 4,6-Dinitro-2-methylphenol	16.16	198	23069	10.337	ng	88

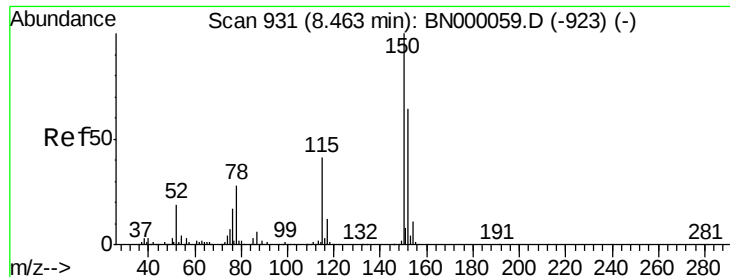
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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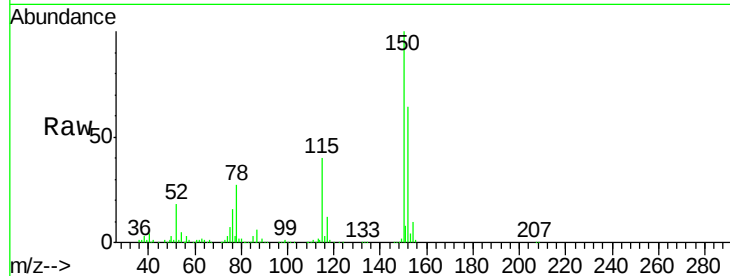


#1

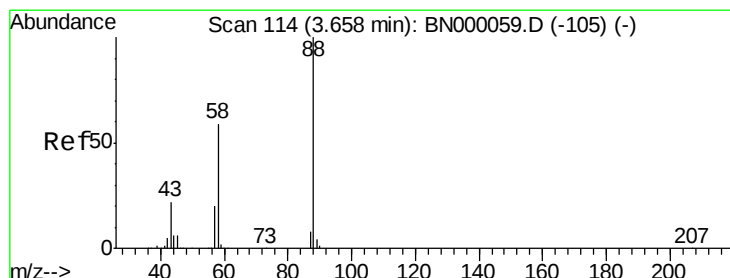
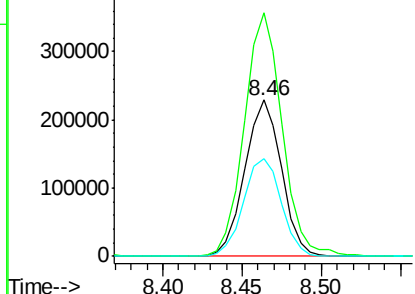
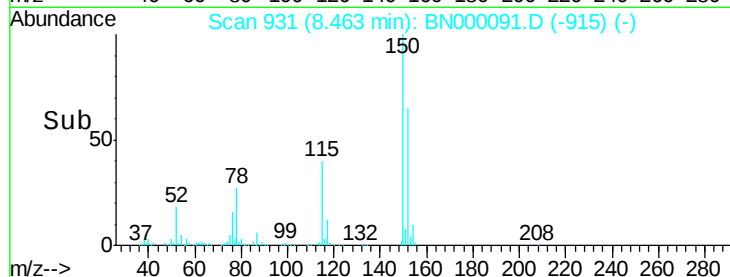
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.46 min Scan# 931
Delta R.T. -0.01 min
Lab File: BN000091.D
Acq: 15 Feb 2018 11:49

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Tot Ion:152 Resp: 367461
Ion Ratio Lower Upper
152 100
150 155.9 126.6 189.8
115 62.7 53.0 79.4



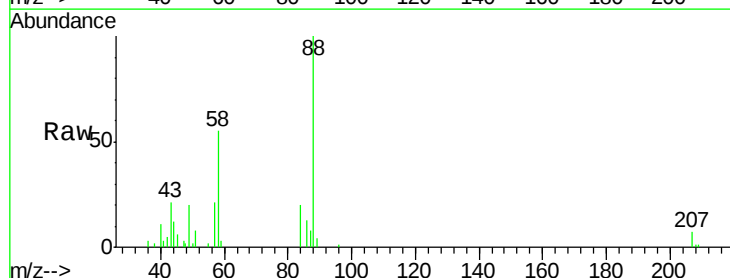
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



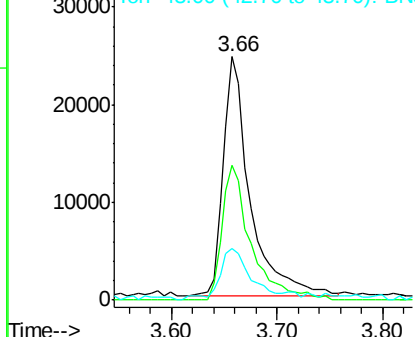
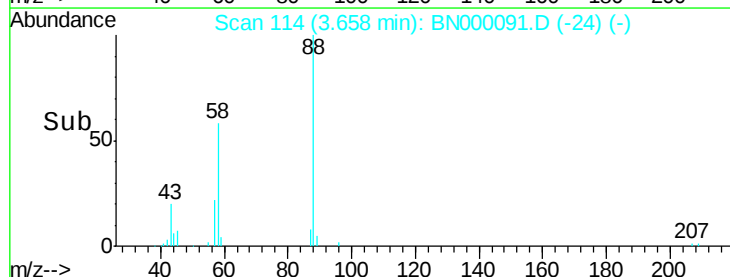
#2

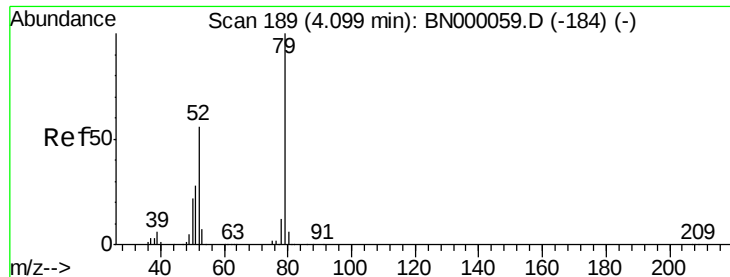
1,4-Dioxane
Concen: 4.752 ng
RT: 3.66 min Scan# 114
Delta R.T. 0.00 min
Lab File: BN000091.D
Acq: 15 Feb 2018 11:49

Tgt Ion: 88 Resp: 43116
Ion Ratio Lower Upper
88 100
58 60.8 52.0 78.0
43 27.1 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: 4.049 ng

RT: 4.12 min Scan# 193

Delta R.T. 0.02 min

Lab File: BN000091.D

Acq: 15 Feb 2018 11:49

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

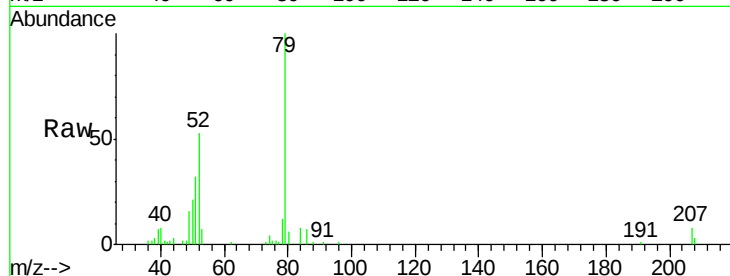
Tot Ion: 79 Resp: 114352

Ion Ratio Lower Upper

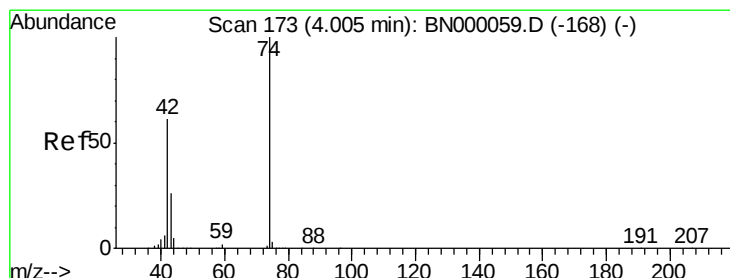
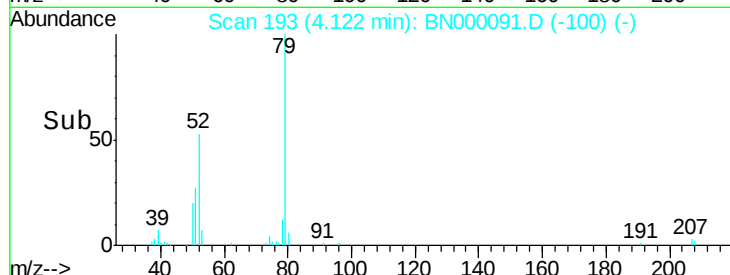
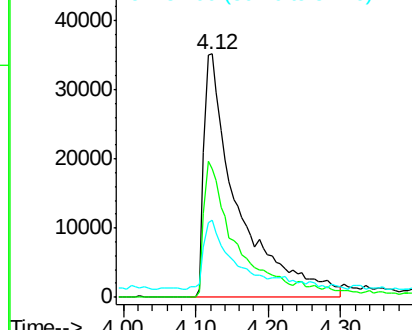
79 100

52 52.7 44.0 66.0

51 31.9 24.0 36.0



Abundance Ion 79.00 (78.70 to 79.70): BN0
Ion 52.00 (51.70 to 52.70): BN0
Ion 51.00 (50.70 to 51.70): BN0



#4

n-Nitrosodimethylamine

Concen: 4.012 ng

RT: 4.01 min Scan# 174

Delta R.T. 0.00 min

Lab File: BN000091.D

Acq: 15 Feb 2018 11:49

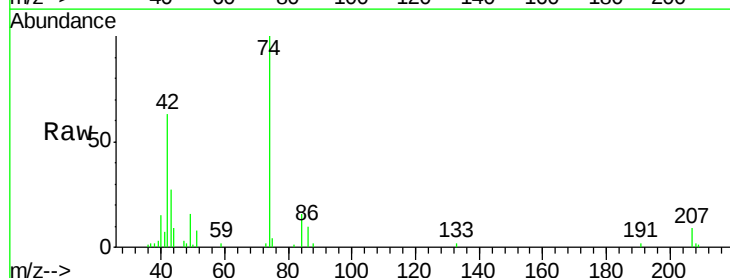
Tgt Ion: 42 Resp: 32044

Ion Ratio Lower Upper

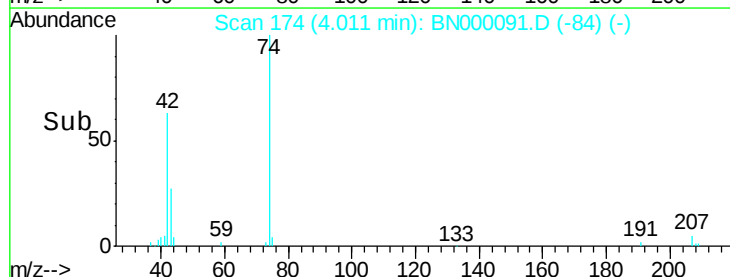
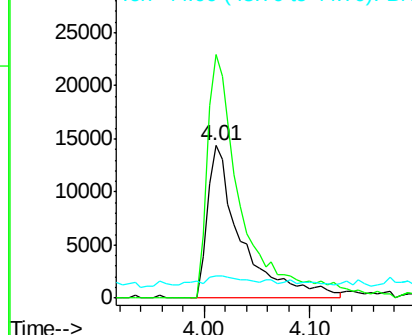
42 100

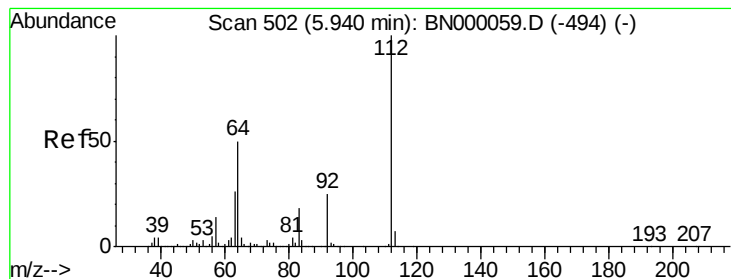
74 159.6 128.0 192.0

44 14.5 12.0 18.0



Abundance Ion 42.00 (41.70 to 42.70): BN0
Ion 74.00 (73.70 to 74.70): BN0
Ion 44.00 (43.70 to 44.70): BN0





#5

2-Fluorophenol

Concen: 133.755 ng

RT: 5.93 min Scan# 501

Delta R.T. -0.01 min

Lab File: BN000091.D

Acq: 15 Feb 2018 11:49

Instrument :

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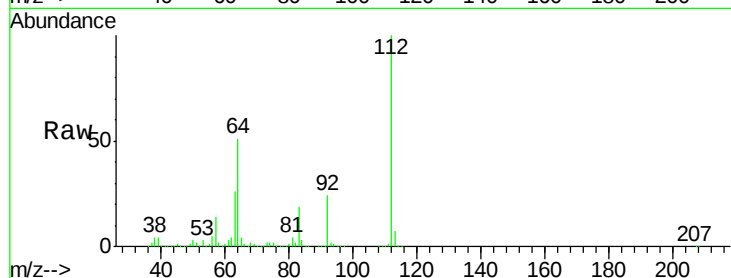
Tot Ion:112 Resp: 3015743

Ion Ratio Lower Upper

112 100

64 50.6 56.3 84.5#

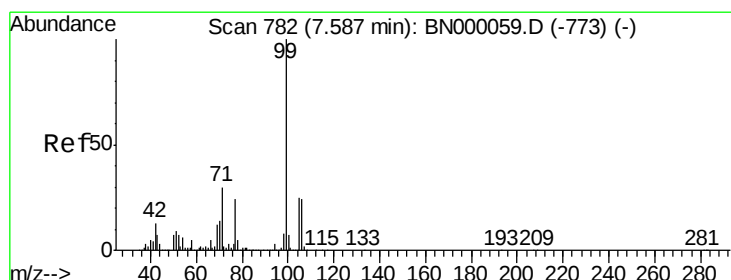
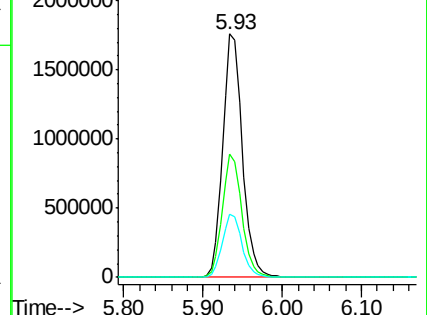
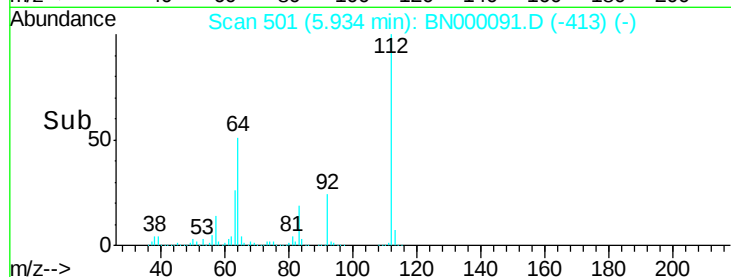
63 25.7 30.1 45.1#



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



#7

Phenol-d6

Concen: 126.980 ng

RT: 7.58 min Scan# 781

Delta R.T. -0.01 min

Lab File: BN000091.D

Acq: 15 Feb 2018 11:49

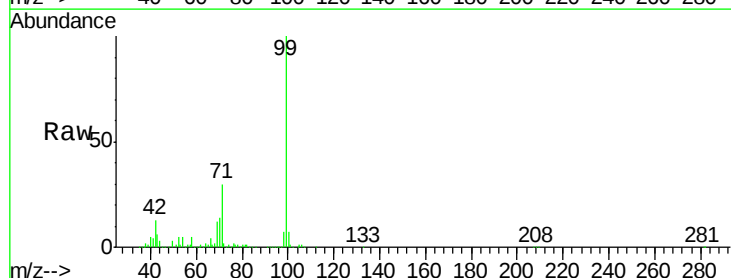
Tgt Ion: 99 Resp: 4336733

Ion Ratio Lower Upper

99 100

42 12.8 14.1 21.1#

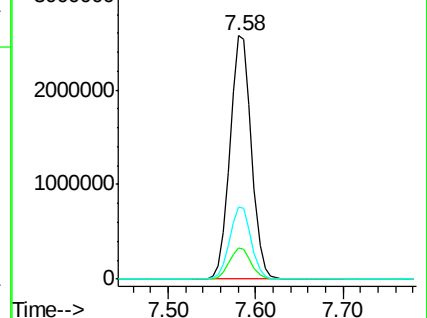
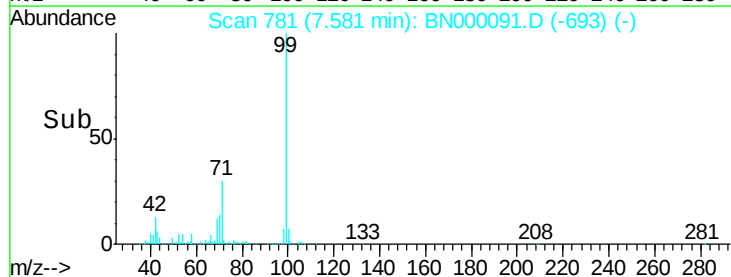
71 29.8 26.1 39.1

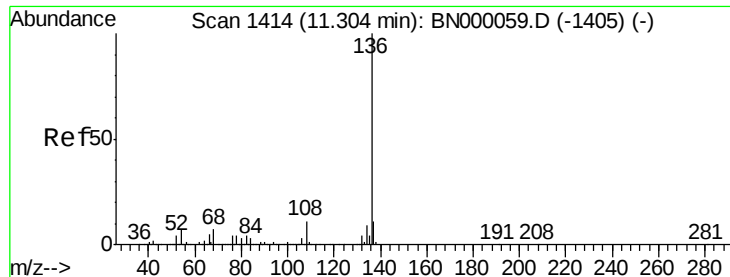


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC

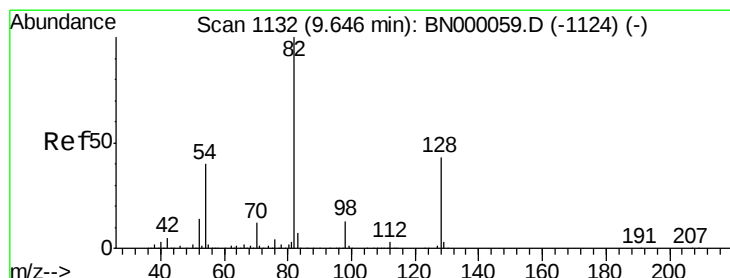
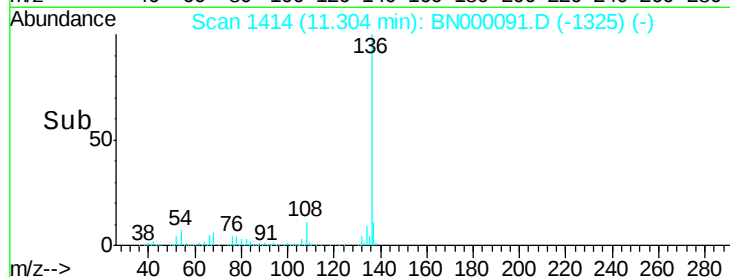
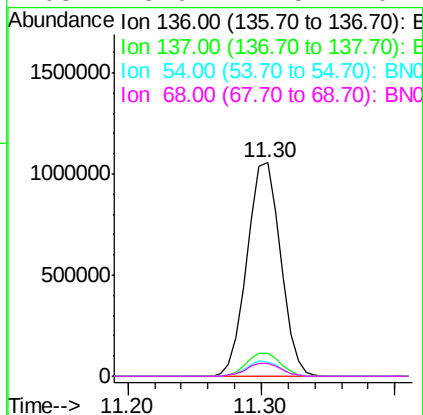
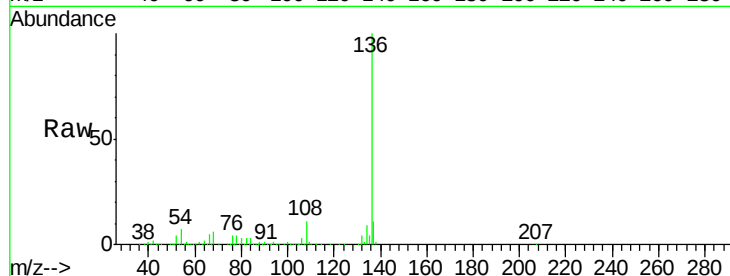




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.30 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BN000091.D
Acq: 15 Feb 2018 11:49

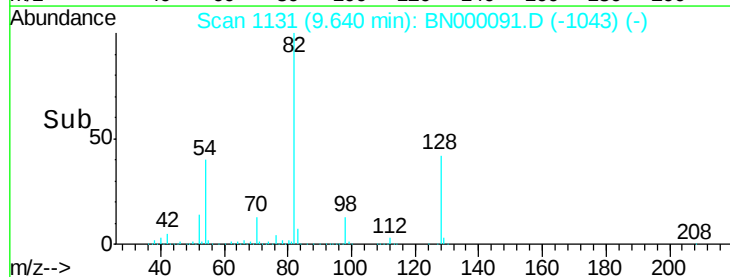
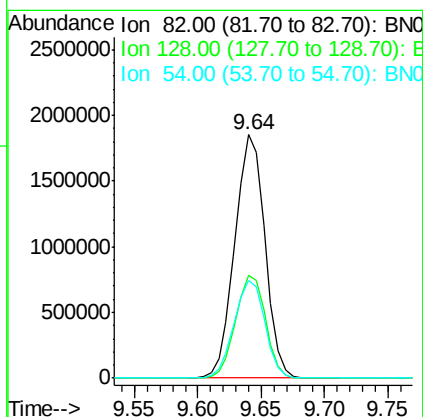
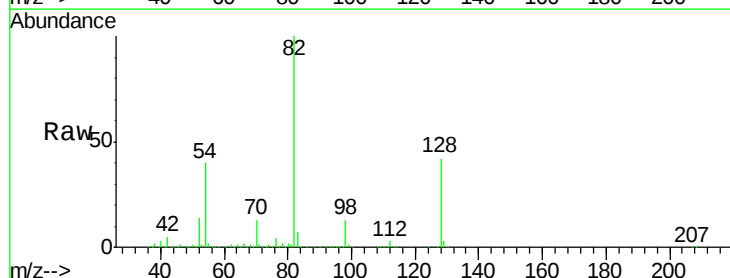
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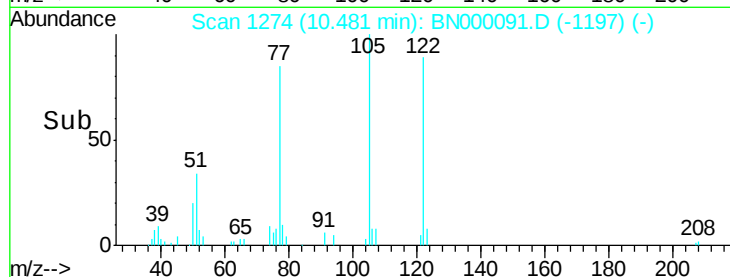
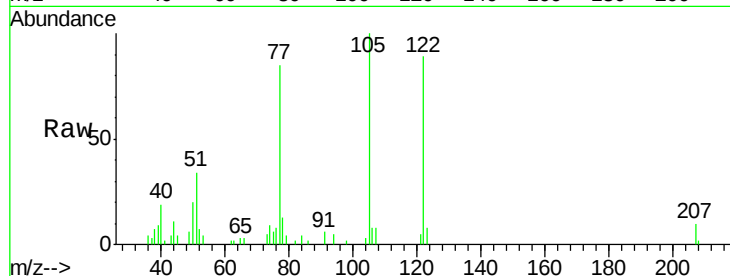
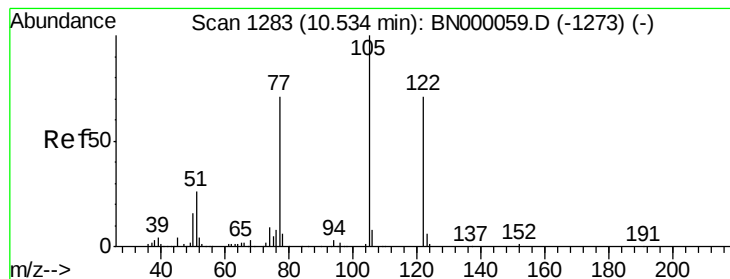
Tot Ion:136	Resp: 1829803
Ion Ratio	Lower Upper
136 100	
137 10.9	9.2 13.8
54 6.9	10.3 15.5#
68 5.9	4.5 6.7



#23
Nitrobenzene-d5
Concen: 98.940 ng
RT: 9.64 min Scan# 1131
Delta R.T. -0.01 min
Lab File: BN000091.D
Acq: 15 Feb 2018 11:49

Tgt	Ion: 82	Resp: 3044960	
Ion	Ratio	Lower	Upper
82	100		
128	42.2	29.7	44.5
54	40.1	43.1	64.7#





#32

Benzoic acid

Concen: 11.217 ng

RT: 10.48 min Scan# 1274

Delta R.T. -0.08 min

Lab File: BN000091.D

Acq: 15 Feb 2018 11:49

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

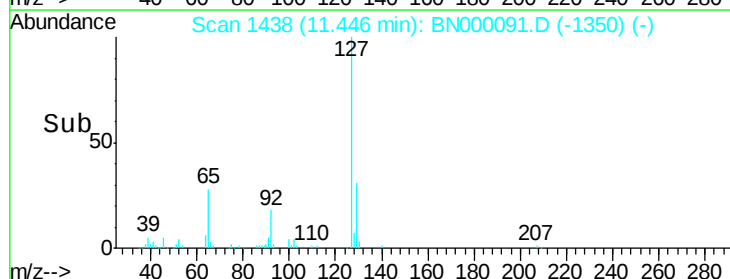
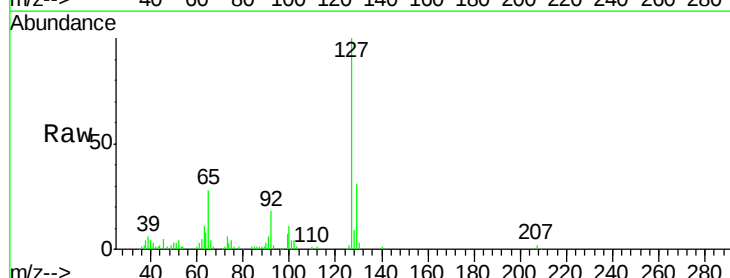
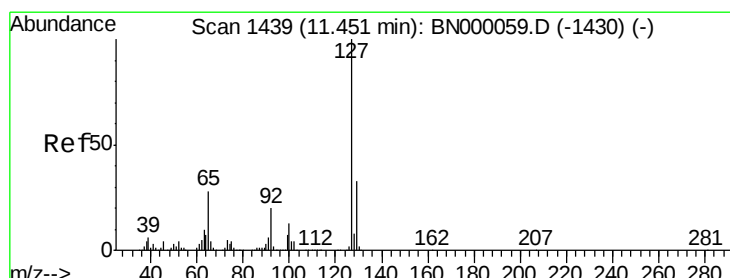
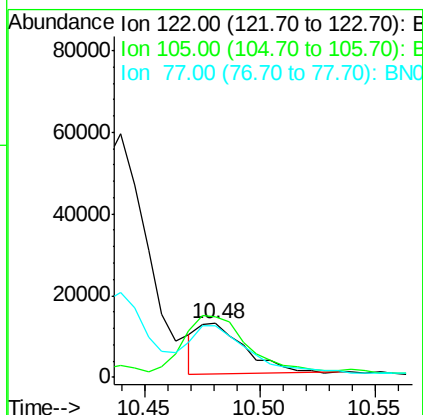
Tot Ion:122 Resp: 17691

Ion Ratio Lower Upper

122 100

105 112.7 123.5 163.5#

77 96.2 85.7 125.7



#33

4-Chloroaniline

Concen: 3.672 ng

RT: 11.45 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BN000091.D

Acq: 15 Feb 2018 11:49

Tgt Ion:127 Resp: 161804

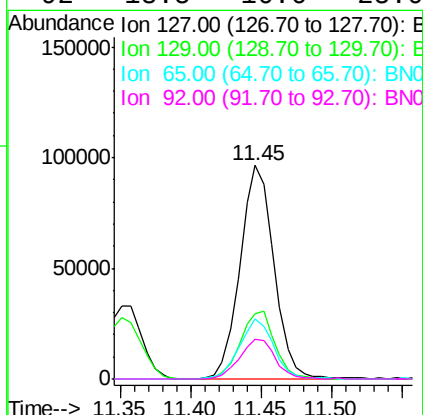
Ion Ratio Lower Upper

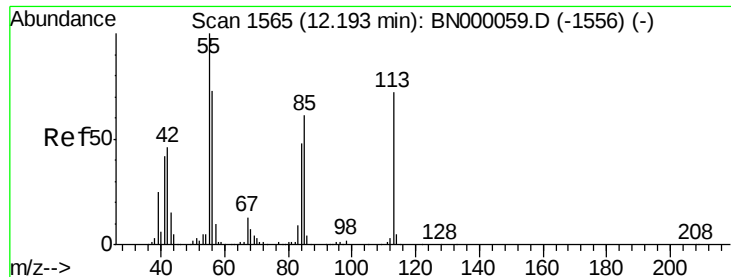
127 100

129 30.8 24.0 36.0

65 28.3 27.0 40.4

92 18.5 16.6 25.0





#35

Caprolactam

Concen: 5.885 ng

RT: 12.17 min Scan# 1561

Delta R.T. -0.03 min

Lab File: BN000091.D

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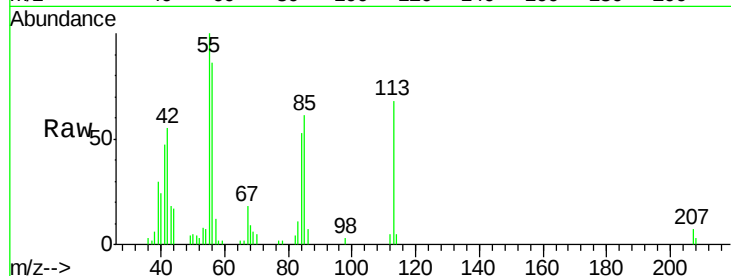
Tot Ion:113 Resp: 22725

Ion Ratio Lower Upper

113 100

55 147.2 120.0 160.0

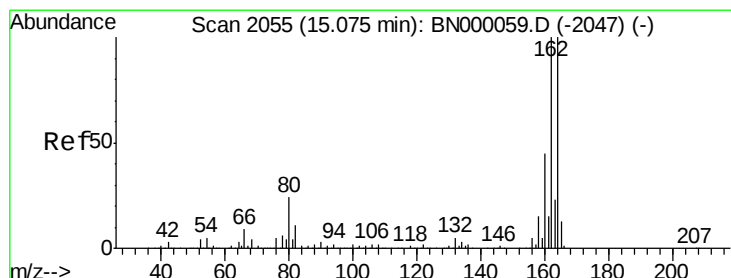
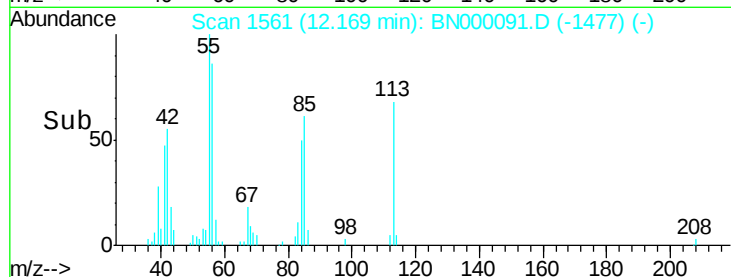
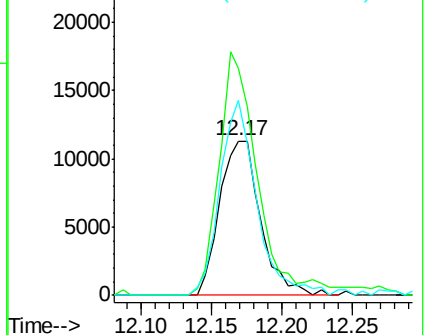
56 126.3 90.0 130.0



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BNC

Ion 56.00 (55.70 to 56.70): BNC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.07 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BN000091.D

Acq: 15 Feb 2018 11:49

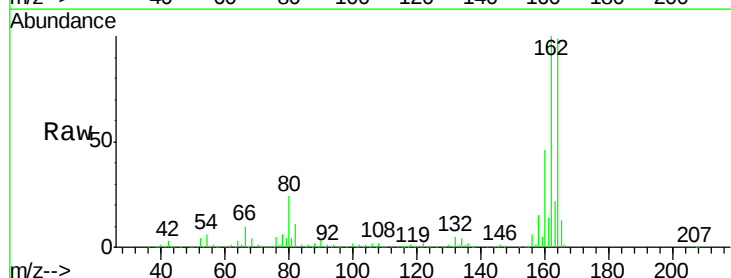
Tgt Ion:164 Resp: 1107432

Ion Ratio Lower Upper

164 100

162 100.7 78.8 118.2

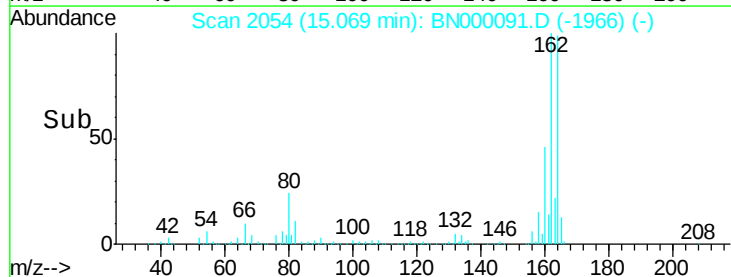
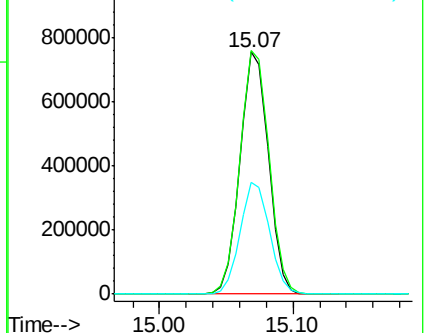
160 46.1 35.4 53.0

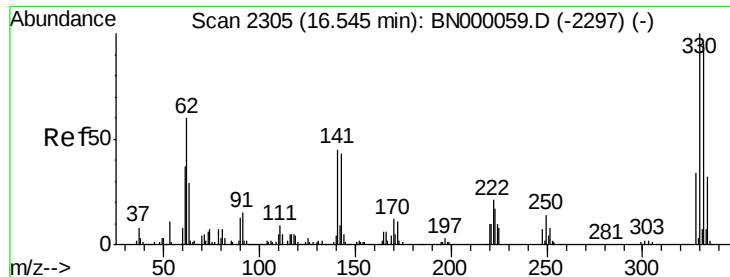


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

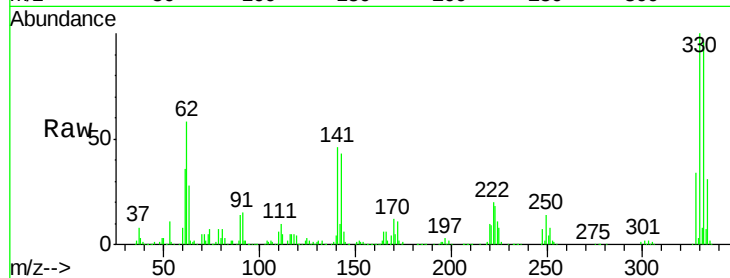




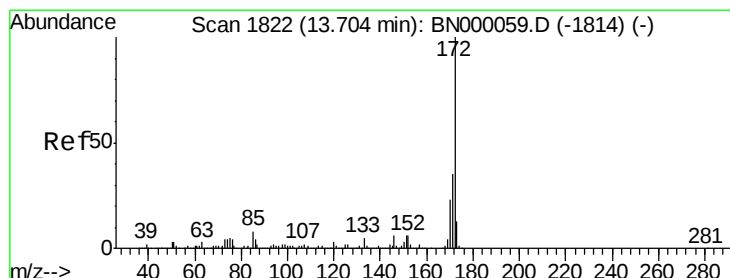
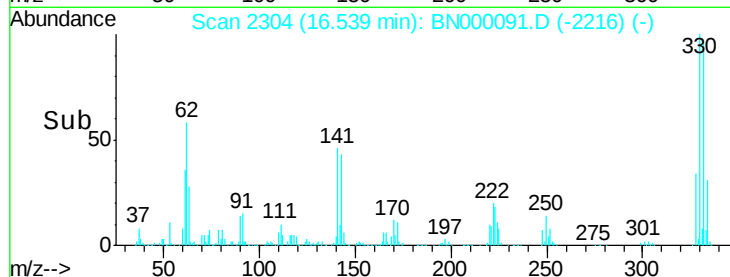
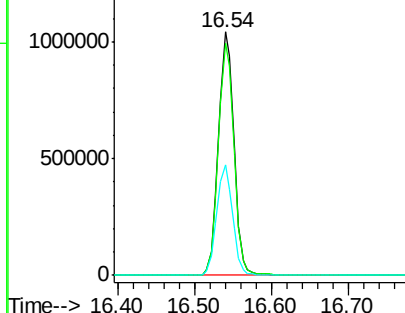
#41
 2,4,6-Tribromophenol
 Concen: 132.477 ng
 RT: 16.54 min Scan# 2304
 Delta R.T. -0.01 min
 Lab File: BN000091.D
 Acq: 15 Feb 2018 11:49

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2018

Tot Ion:330 Resp: 1452205
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.0 115.6
 141 46.2 25.2 37.8#

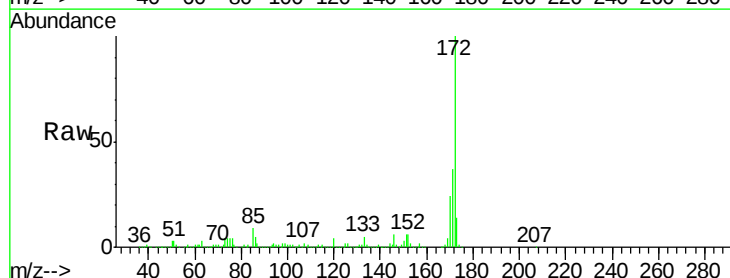


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

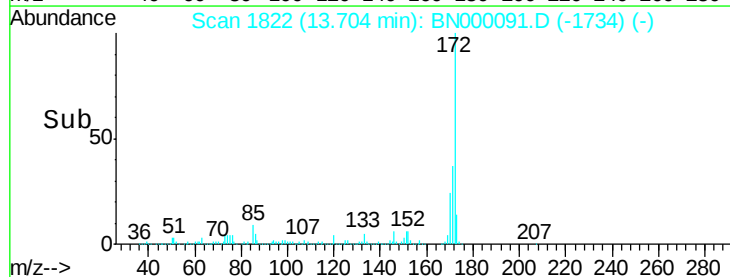
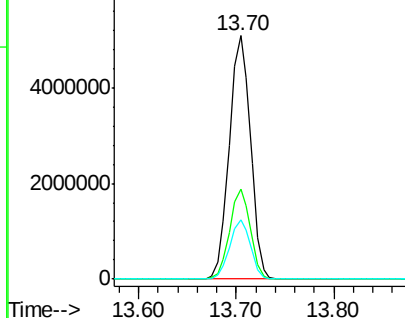


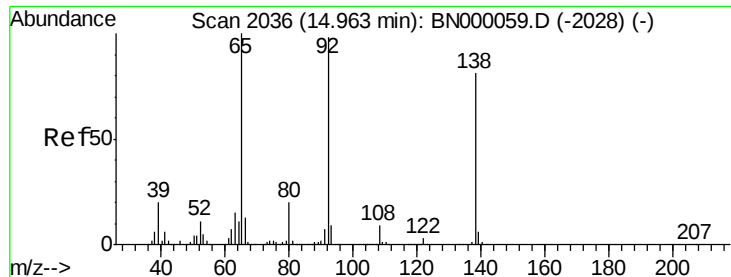
#44
 2-Fluorobiphenyl
 Concen: 97.649 ng
 RT: 13.70 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: BN000091.D
 Acq: 15 Feb 2018 11:49

Tgt Ion:172 Resp: 7672701
 Ion Ratio Lower Upper
 172 100
 171 37.1 30.0 45.0
 170 24.5 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

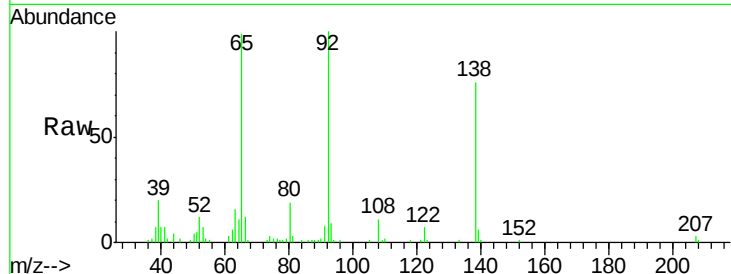




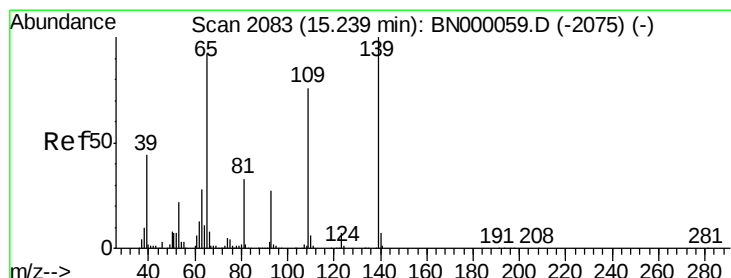
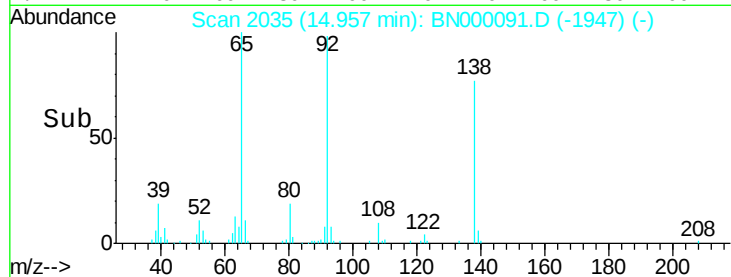
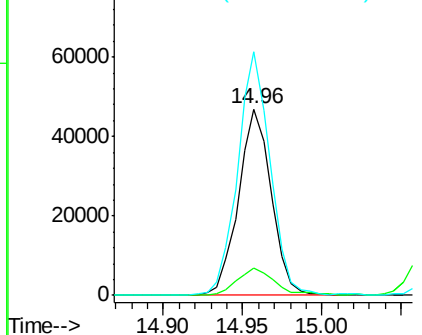
#52
3-Nitroaniline
Concen: 2.905 ng
RT: 14.96 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BN000091.D
Acq: 15 Feb 2018 11:49

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Tot Ion:138 Resp: 67497
Ion Ratio Lower Upper
138 100
108 14.8 17.5 26.3#
92 130.8 105.8 158.8

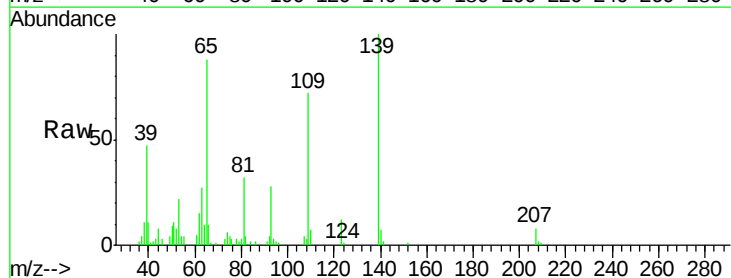


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BNC

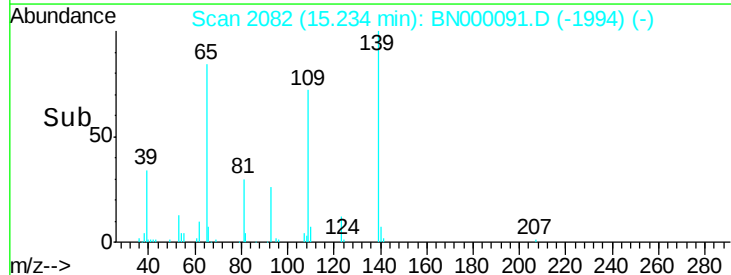
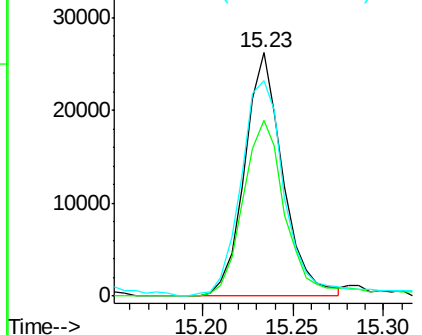


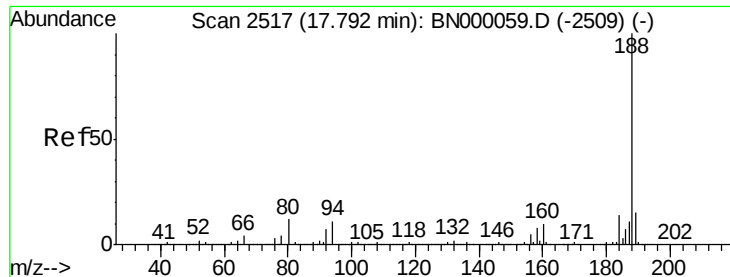
#55
4-Nitrophenol
Concen: 6.866 ng
RT: 15.23 min Scan# 2082
Delta R.T. -0.01 min
Lab File: BN000091.D
Acq: 15 Feb 2018 11:49

Tgt Ion:139 Resp: 38350
Ion Ratio Lower Upper
139 100
109 72.3 62.2 102.2
65 88.3 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

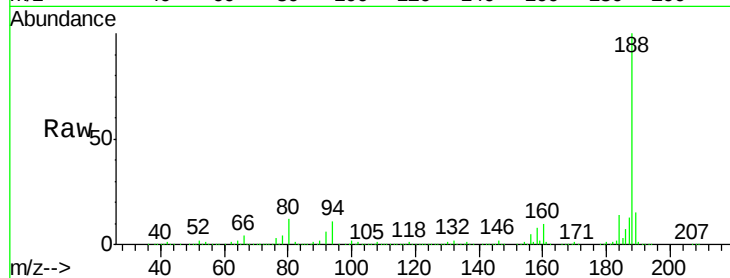




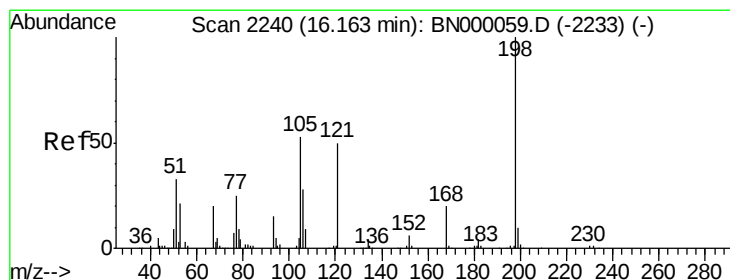
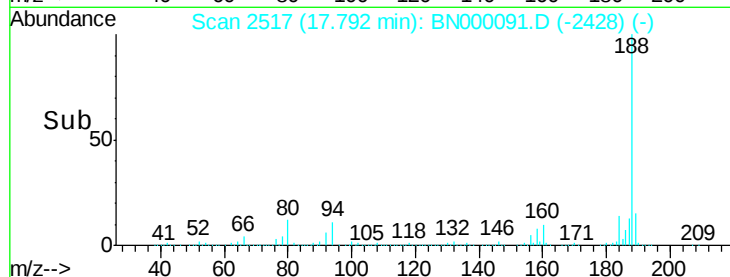
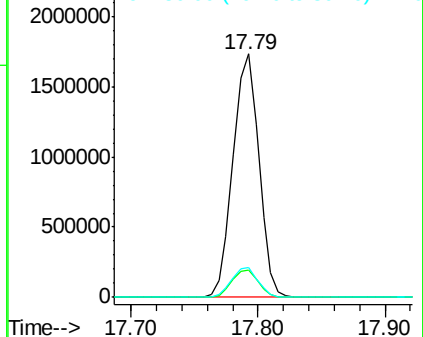
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.79 min Scan# 2517
Delta R.T. -0.01 min
Lab File: BN000091.D
Acq: 15 Feb 2018 11:49

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Tot Ion:188 Resp: 2446728
Ion Ratio Lower Upper
188 100
94 11.1 6.9 10.3#
80 12.1 7.7 11.5#

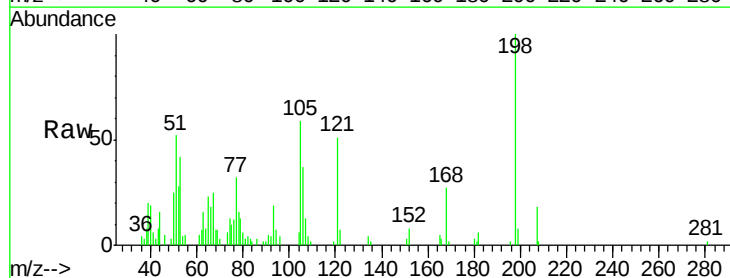


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BNC
Ion 80.00 (79.70 to 80.70): BNC

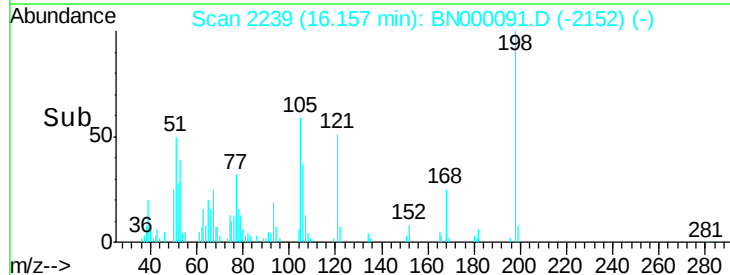
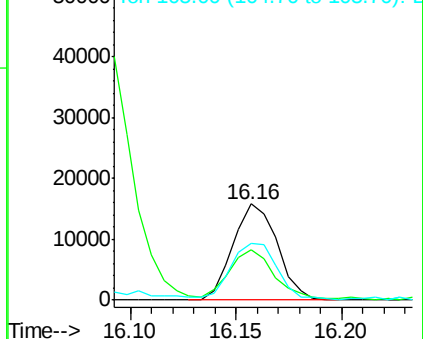


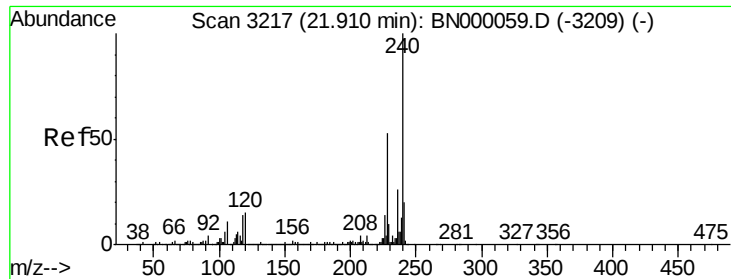
#64
4,6-Dinitro-2-methylphenol
Concen: 10.337 ng
RT: 16.16 min Scan# 2239
Delta R.T. -0.02 min
Lab File: BN000091.D
Acq: 15 Feb 2018 11:49

Tgt Ion:198 Resp: 23069
Ion Ratio Lower Upper
198 100
51 52.2 30.6 70.6
105 58.8 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: 21.90 min Scan# 3216

Delta R.T. -0.02 min

Lab File: BN000091.D

Acq: 15 Feb 2018 11:49

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

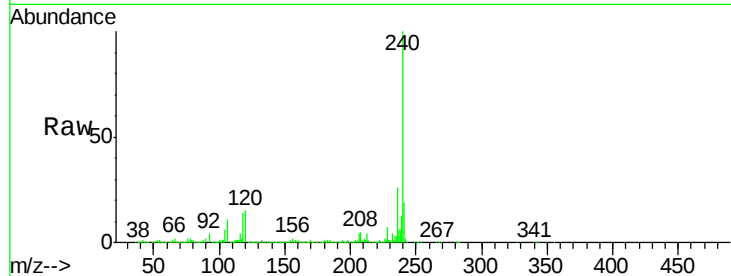
Tot Ion:240 Resp: 2665028

Ion Ratio Lower Upper

240 100

120 14.7 6.8 10.2#

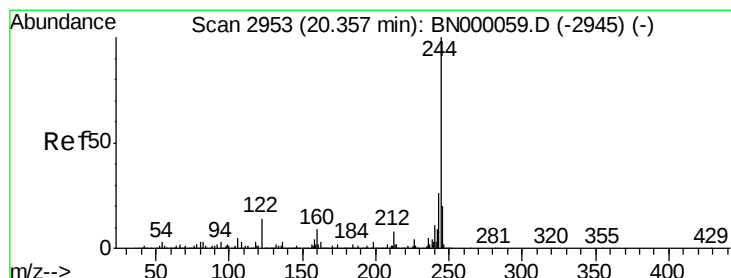
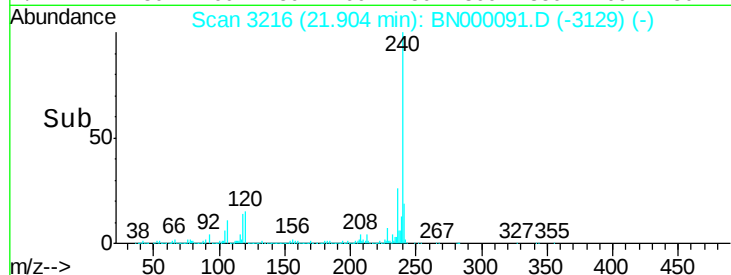
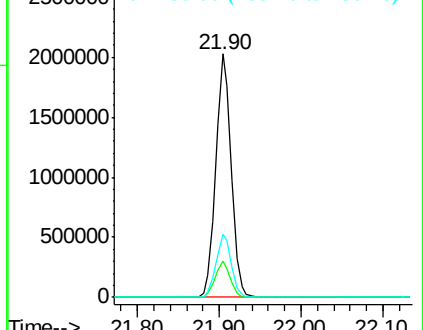
236 26.2 20.9 31.3



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: 96.619 ng

RT: 20.35 min Scan# 2952

Delta R.T. -0.01 min

Lab File: BN000091.D

Acq: 15 Feb 2018 11:49

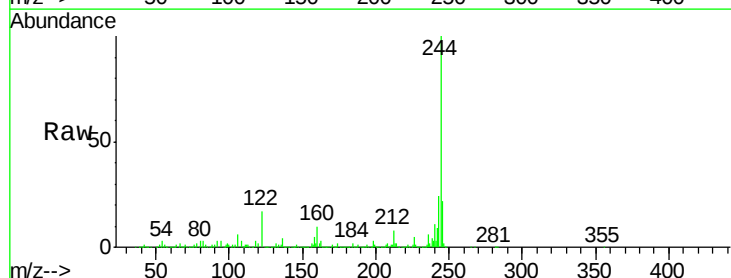
Tgt Ion:244 Resp: 9536264

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

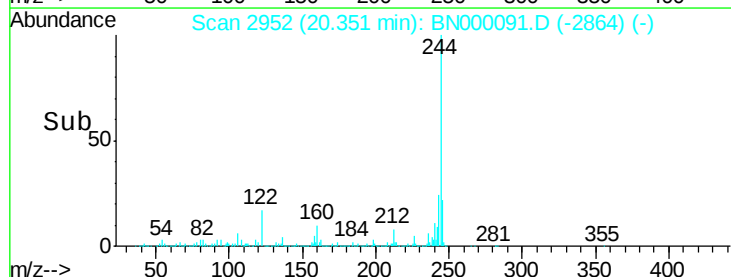
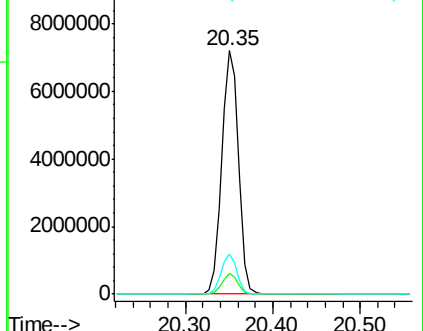
122 16.7 7.0 10.4#

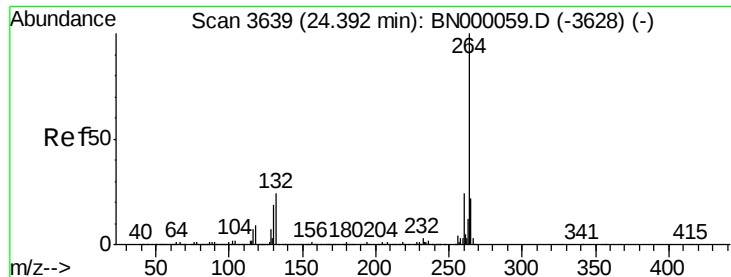


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



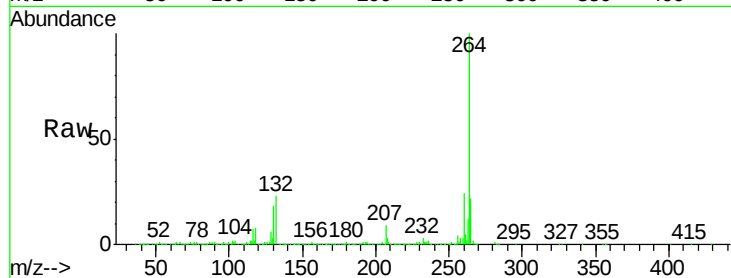


#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.39 min Scan# 3638
Delta R.T. -0.03 min
Lab File: BN000091.D
Acq: 15 Feb 2018 11:49

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Tot Ion: 264 Resp: 2760380

Ion	Ratio	Lower	Upper
264	100		
260	23.6	17.4	26.0
265	22.0	17.7	26.5



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

