

Data Path : Z:\HPCHEM1\BNA N\DATA\BN021918\
 Data File : BN000115.D
 Acq On : 19 Feb 2018 18:12
 Operator : JU/SJ
 Sample : J1573-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Feb 20 03:10:52 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

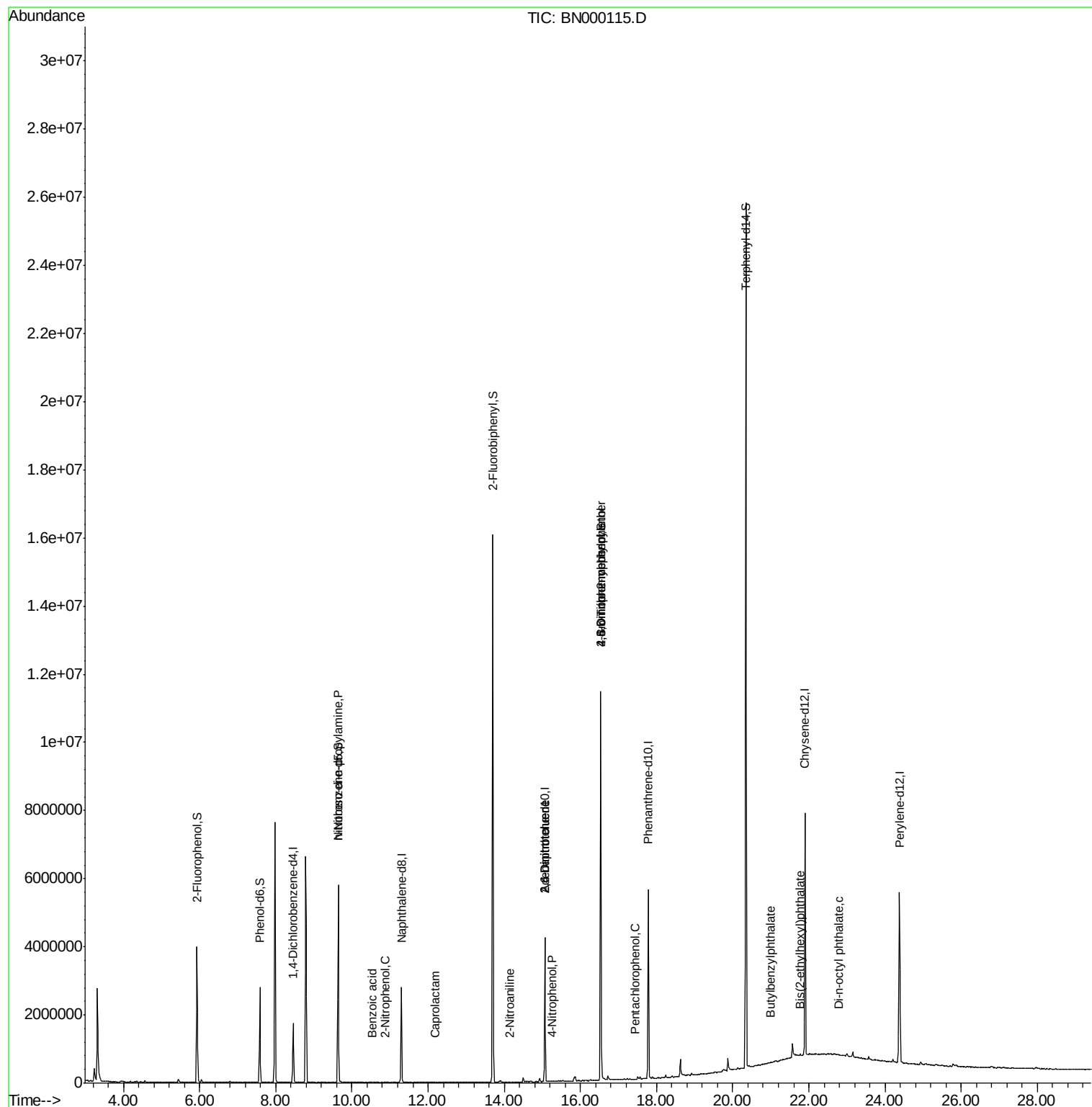
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	461831	20.00	ng	-0.01
21) Naphthalene-d8	11.30	136	2304278	20.00	ng	-0.01
38) Acenaphthene-d10	15.07	164	1332781	20.00	ng	-0.01
63) Phenanthrene-d10	17.79	188	2971596	20.00	ng	-0.01
75) Chrysene-d12	21.90	240	3161696	20.00	ng	-0.02
86) Perylene-d12	24.38	264	3490489	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.93	112	1969291	69.49	ng	-0.01
7) Phenol-d6	7.58	99	1792563	41.76	ng	-0.01
23) Nitrobenzene-d5	9.64	82	3640096	93.92	ng	-0.01
41) 2,4,6-Tribromophenol	16.54	330	1803769	136.73	ng	-0.01
44) 2-Fluorobiphenyl	13.70	172	7926424	83.82	ng	-0.02
78) Terphenyl-d14	20.35	244	10730906	91.64	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.64	70	462563	16.08	ng	# 68
26) 2-Nitrophenol	10.88	139	121	7.20	ng	# 29
32) Benzoic acid	10.53	122	133	10.55	ng	# 76
35) Caprolactam	12.17	113	146	4.03	ng	# 4
47) 2-Nitroaniline	14.15	65	494	4.90	ng	# 36
50) 2,6-Dinitrotoluene	15.07	165	170013	7.39	ng	# 21
55) 4-Nitrophenol	15.24	139	721	5.01	ng	# 64
56) 2,4-Dinitrotoluene	15.07	165	170013	8.90	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.53	198	6502	9.09	ng	# 1
66) 4-Bromophenyl-phenylether	16.53	248	129965	4.60	ng	# 1
69) Pentachlorophenol	17.43	266	643	5.86	ng	# 50
79) Butylbenzylphthalate	21.01	149	3964	5.41	ng	# 1
83) Bis(2-ethylhexyl)phthalate	21.77	149	16960	3.02	ng	93
84) Di-n-octyl phthalate	22.79	149	2629	6.74	ng	# 1

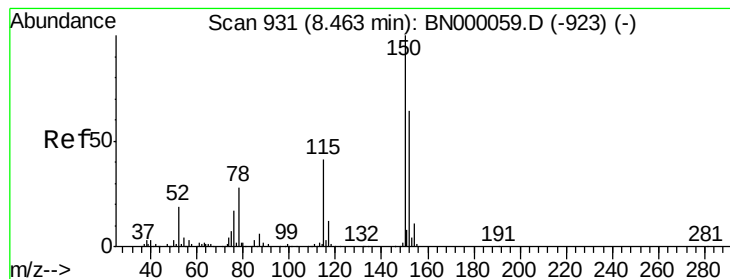
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.46 min Scan# 930

Delta R.T. -0.01 min

Lab File: BN000115.D

Acq: 19 Feb 2018 18:12

Instrument :

BNA_N

ClientSampleId :

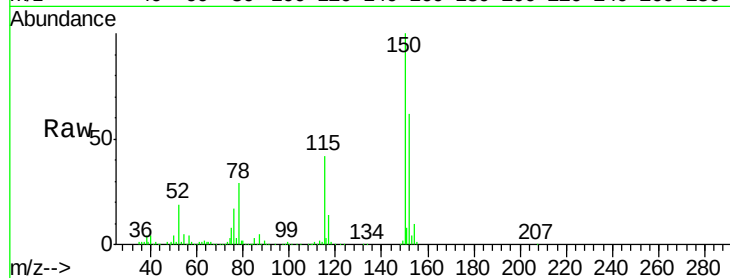
Tot Ion:152 Resp: 461831

Ion Ratio Lower Upper

152 100

150 161.2 126.6 189.8

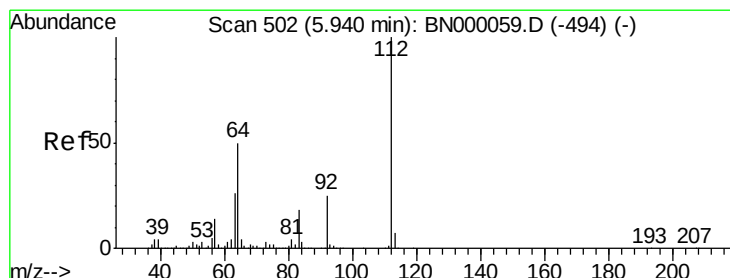
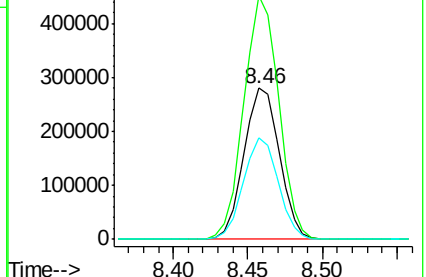
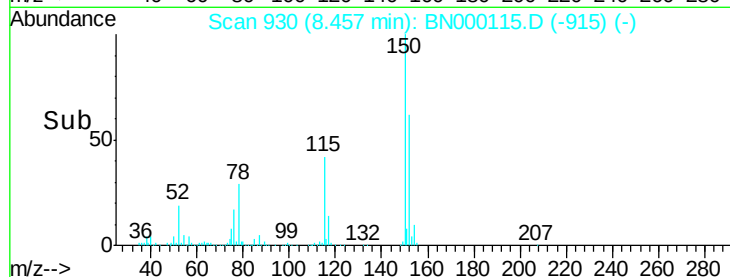
115 67.0 53.0 79.4



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



#5

2-Fluorophenol

Concen: 69.49 ng

RT: 5.93 min Scan# 501

Delta R.T. -0.01 min

Lab File: BN000115.D

Acq: 19 Feb 2018 18:12

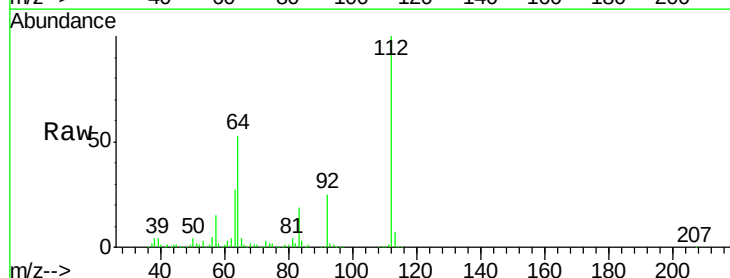
Tgt Ion:112 Resp: 1969291

Ion Ratio Lower Upper

112 100

64 52.8 56.3 84.5#

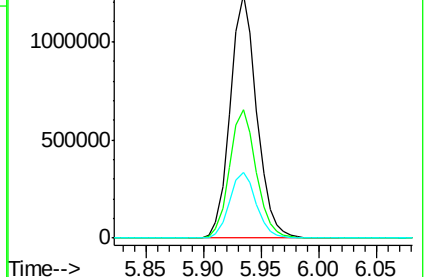
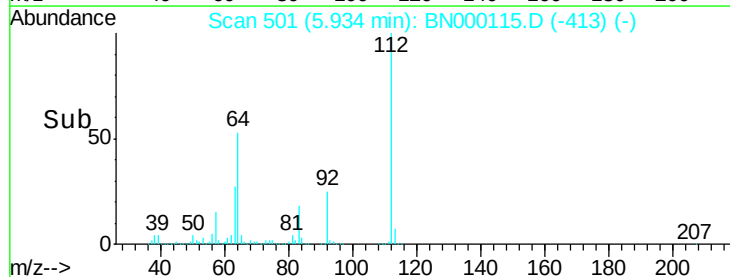
63 27.2 30.1 45.1#

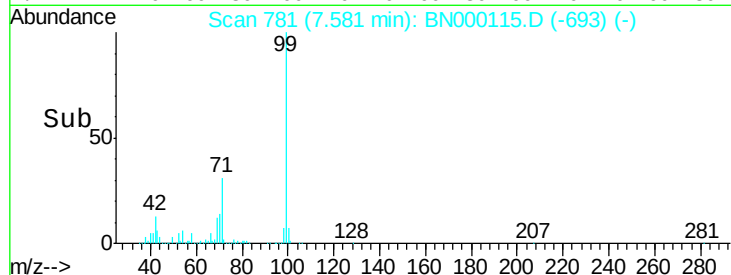
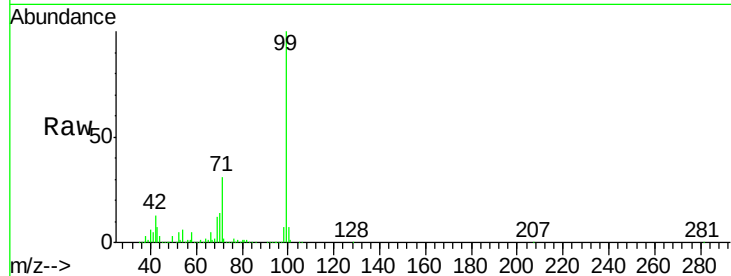
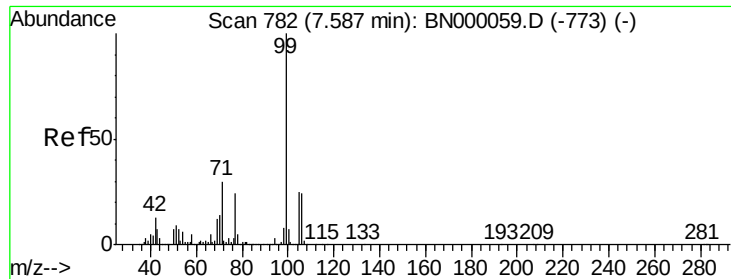


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#7

Phenol-d6

Concen: 41.76 ng

RT: 7.58 min Scan# 781

Delta R.T. -0.01 min

Lab File: BN000115.D

Acq: 19 Feb 2018 18:12

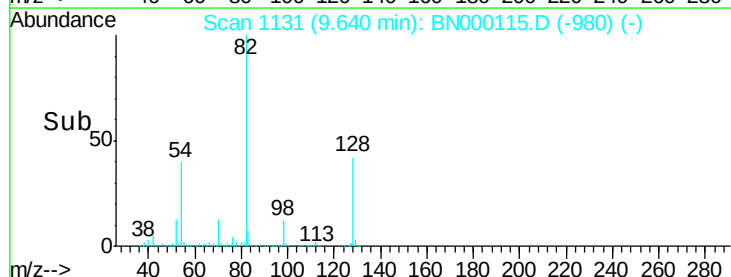
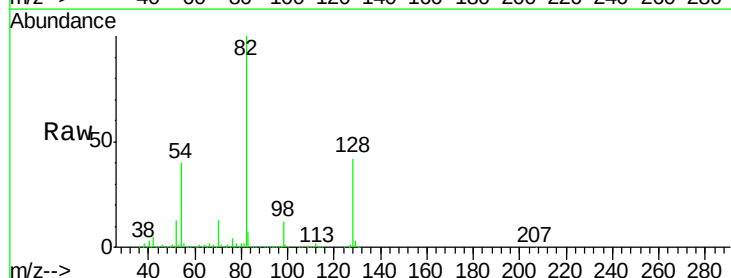
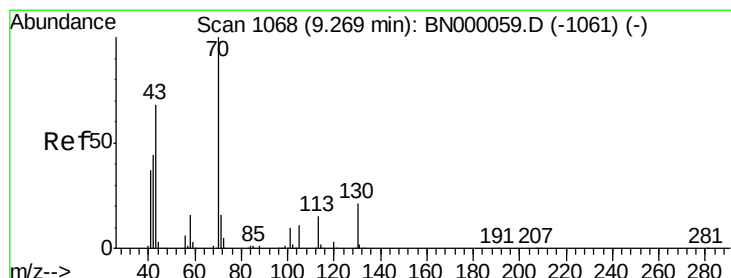
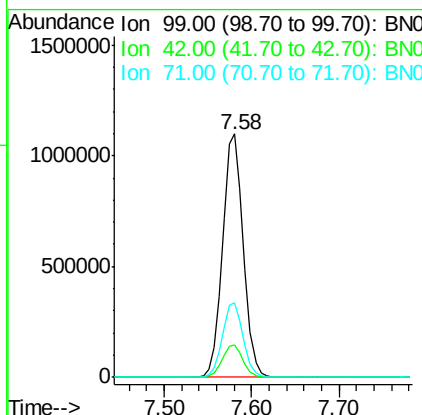
Instrument :

BNA_N

ClientSampled :

Tot Ion: 99 Resp: 1792563

Ion	Ratio	Lower	Upper
99	100		
42	13.4	14.1	21.1#
71	30.6	26.1	39.1



#19

n-Nitroso-di-n-propylamine

Concen: 16.08 ng

RT: 9.64 min Scan# 1131

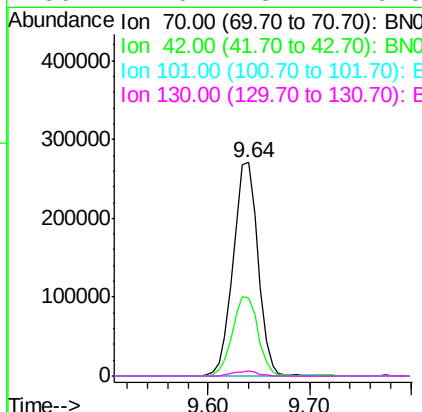
Delta R.T. 0.36 min

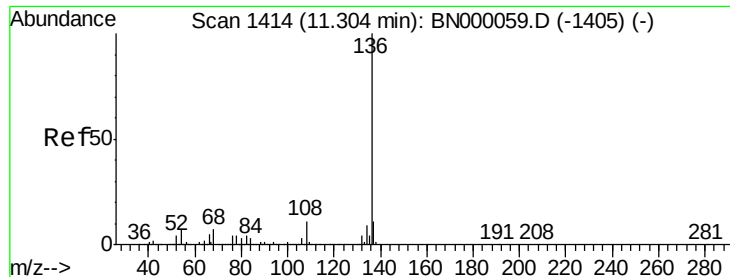
Lab File: BN000115.D

Acq: 19 Feb 2018 18:12

Tgt Ion: 70 Resp: 462563

Ion	Ratio	Lower	Upper
70	100		
42	36.5	49.1	73.7#
101	0.0	8.5	12.7#
130	2.6	13.4	20.0#

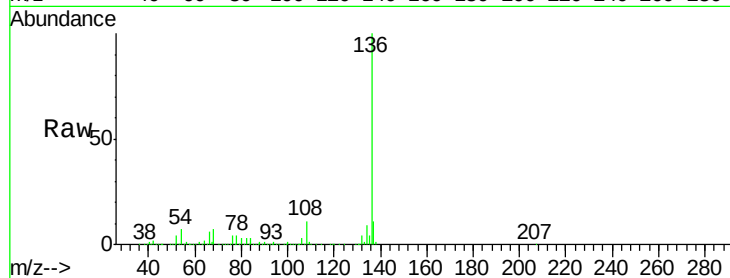




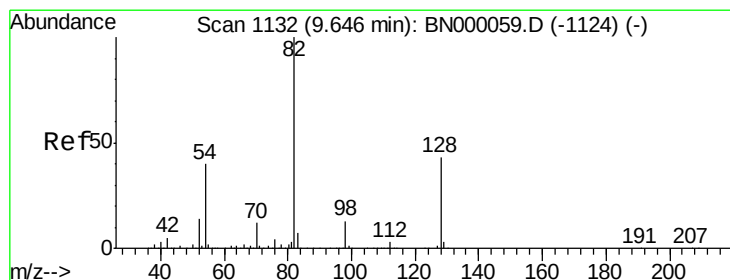
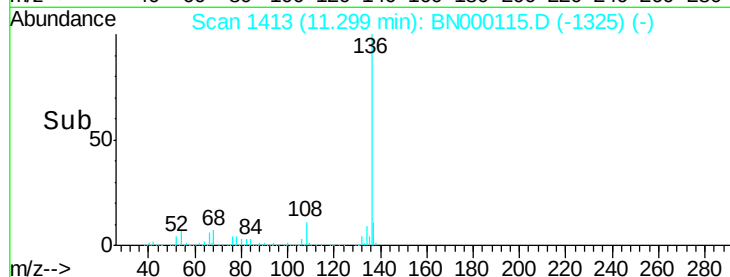
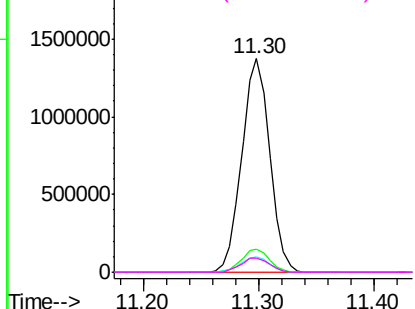
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.30 min Scan# 1413
Delta R.T. -0.01 min
Lab File: BN000115.D
Acq: 19 Feb 2018 18:12

Instrument :
BNA_N
ClientSampleId :

Tot Ion:136	Resp: 2304278
Ion Ratio	Lower Upper
136 100	
137 10.9	9.2 13.8
54 7.3	10.3 15.5#
68 6.7	4.5 6.7

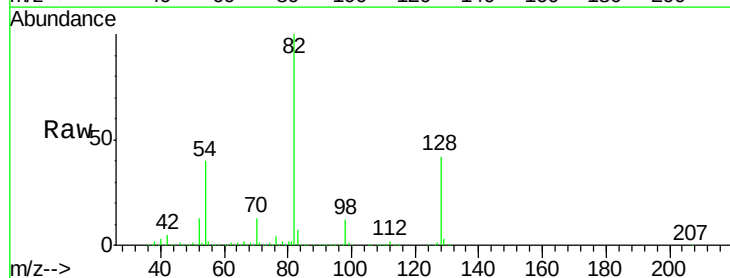


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BNC
Ion 68.00 (67.70 to 68.70): BNC

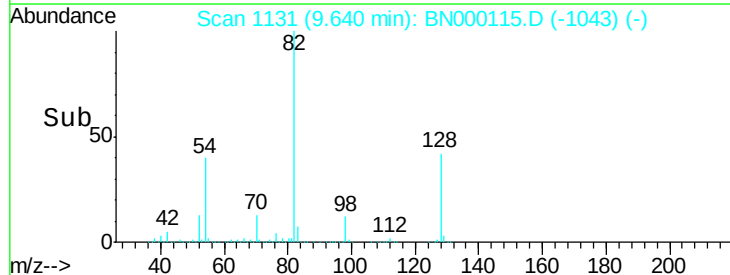
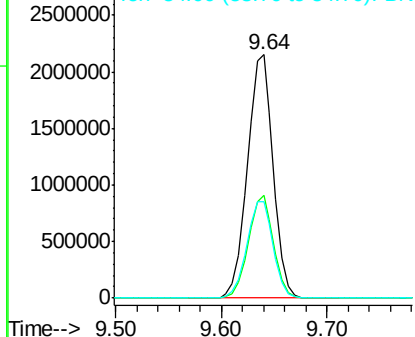


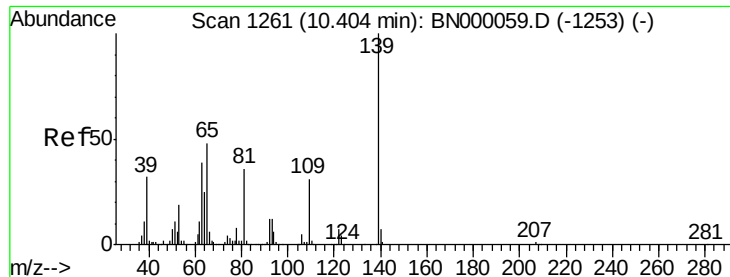
#23
Nitrobenzene-d5
Concen: 93.92 ng
RT: 9.64 min Scan# 1131
Delta R.T. -0.01 min
Lab File: BN000115.D
Acq: 19 Feb 2018 18:12

Tgt Ion: 82	Resp: 3640096
Ion Ratio	Lower Upper
82 100	
128 42.0	29.7 44.5
54 39.8	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

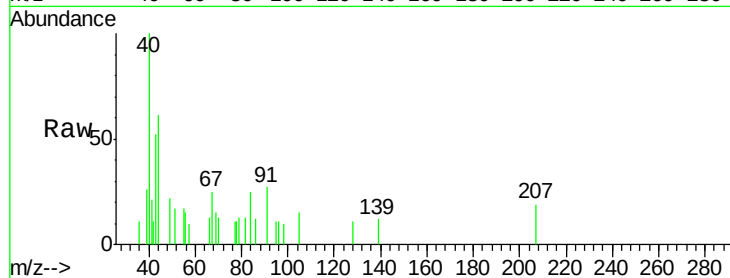




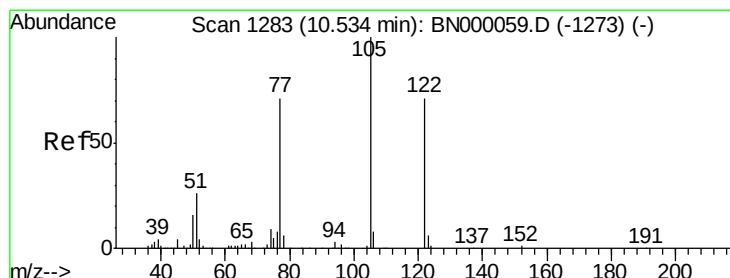
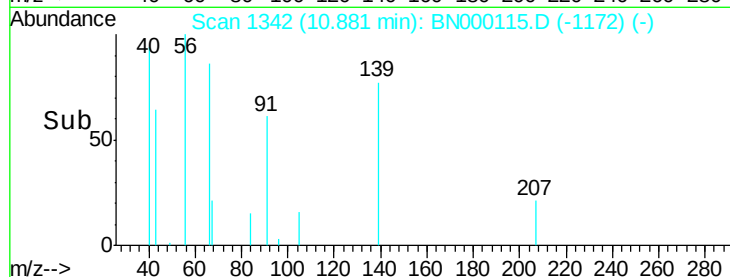
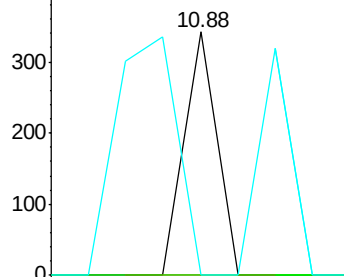
#26
2-Nitrophenol
Concen: 7.20 ng
RT: 10.88 min Scan# 1342
Delta R.T. 0.47 min
Lab File: BN000115.D
Acq: 19 Feb 2018 18:12

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	24.2	36.2#
65	0.0	47.4	71.0#

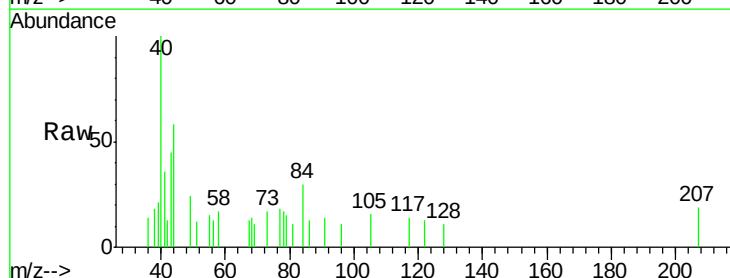


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BNC

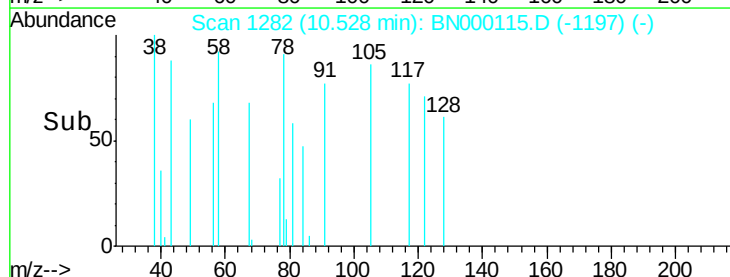
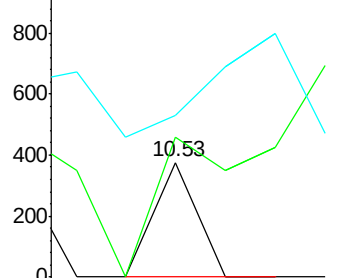


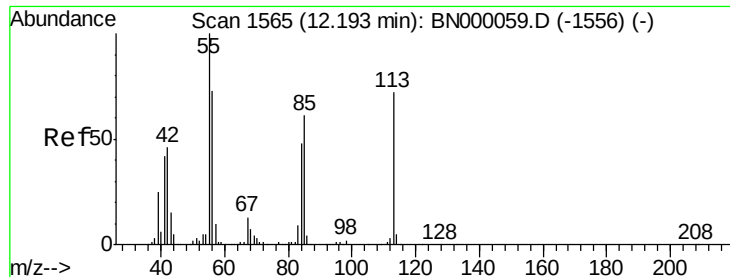
#32
Benzoic acid
Concen: 10.55 ng
RT: 10.53 min Scan# 1282
Delta R.T. -0.03 min
Lab File: BN000115.D
Acq: 19 Feb 2018 18:12

Tgt Ion	Ratio	Lower	Upper
122	100		
105	121.8	123.5	163.5#
77	140.4	85.7	125.7#



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): BNC

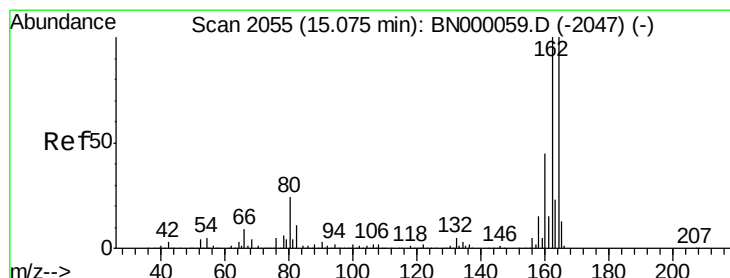
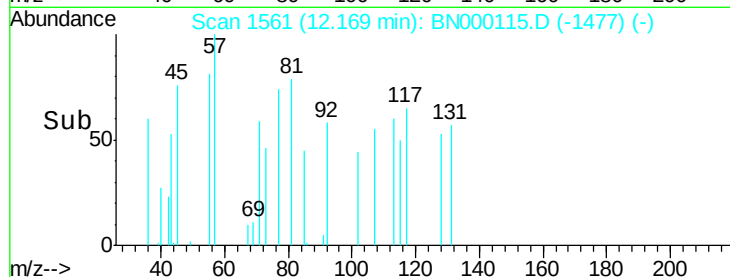
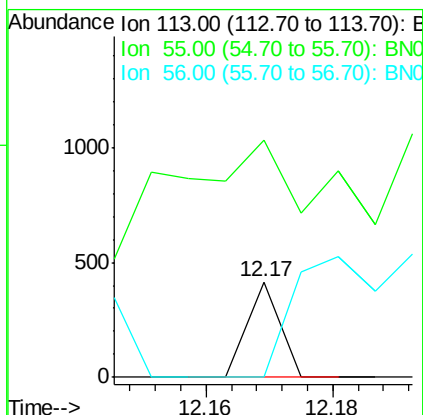
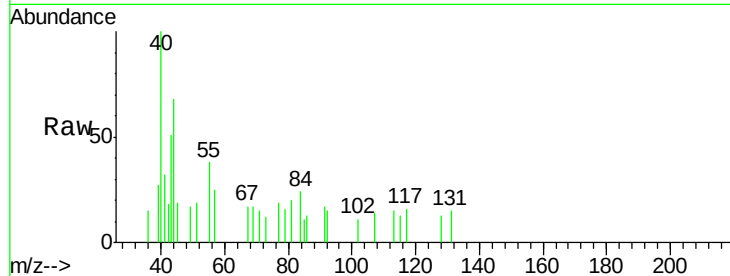




#35
 Caprolactam
 Concen: 4.03 ng
 RT: 12.17 min Scan# 1561
 Delta R.T. -0.03 min
 Lab File: BN000115.D
 Acq: 19 Feb 2018 18:12

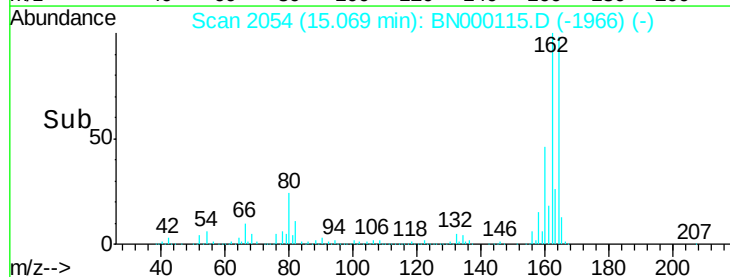
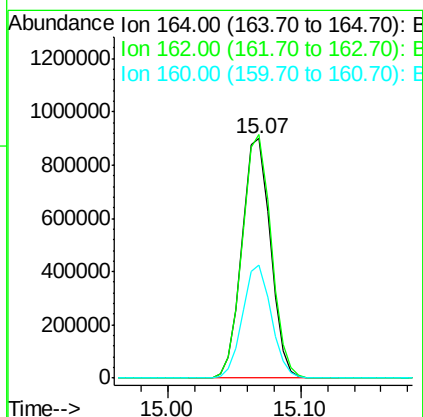
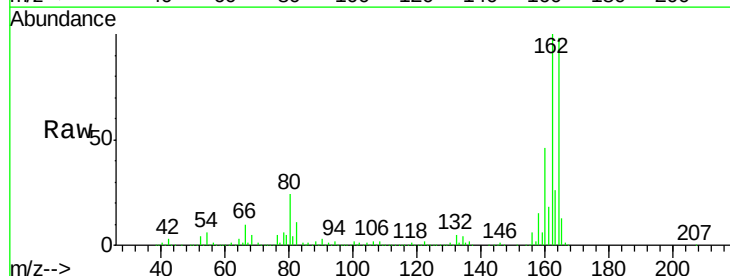
Instrument :
 BNA_N
 ClientSampled :

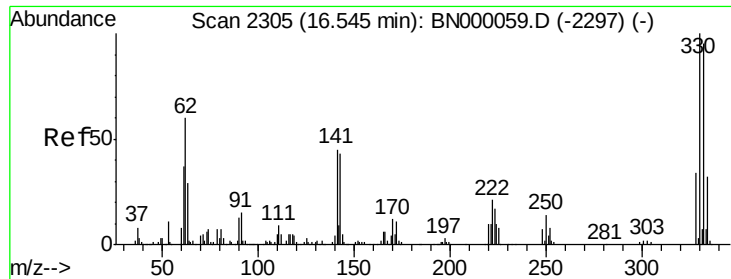
Tot Ion:113 Resp: 146
 Ion Ratio Lower Upper
 113 100
 55 248.2 120.0 160.0#
 56 0.0 90.0 130.0#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.07 min Scan# 2054
 Delta R.T. -0.01 min
 Lab File: BN000115.D
 Acq: 19 Feb 2018 18:12

Tgt Ion:164 Resp: 1332781
 Ion Ratio Lower Upper
 164 100
 162 101.8 78.8 118.2
 160 47.0 35.4 53.0

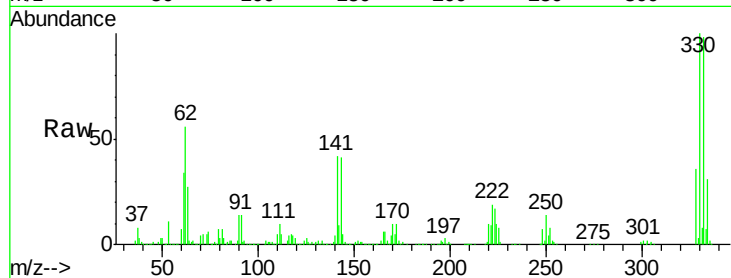




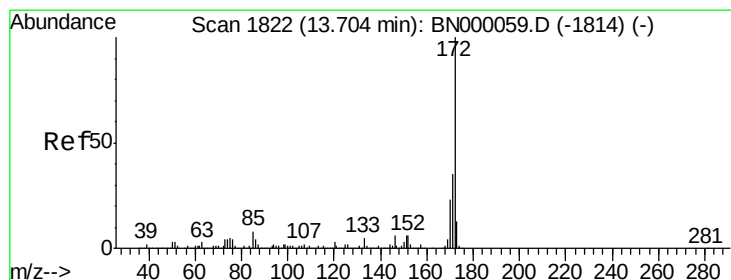
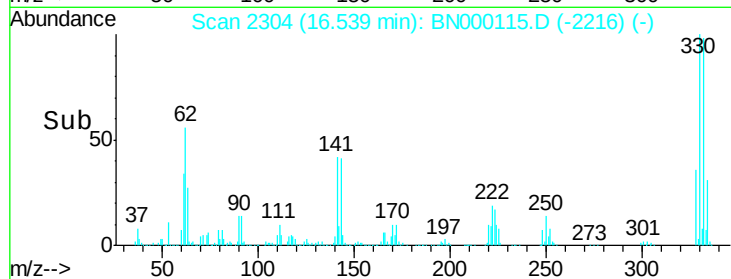
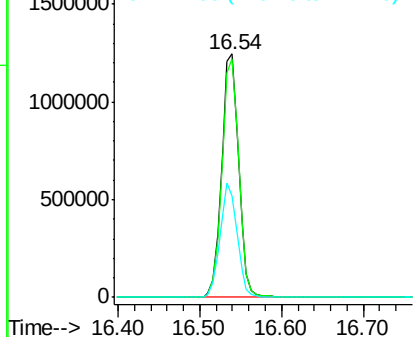
#41
 2,4,6-Tribromophenol
 Concen: 136.73 ng
 RT: 16.54 min Scan# 2304
 Delta R.T. -0.01 min
 Lab File: BN000115.D
 Acq: 19 Feb 2018 18:12

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:330 Resp: 1803769
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.0 115.6
 141 46.9 25.2 37.8#

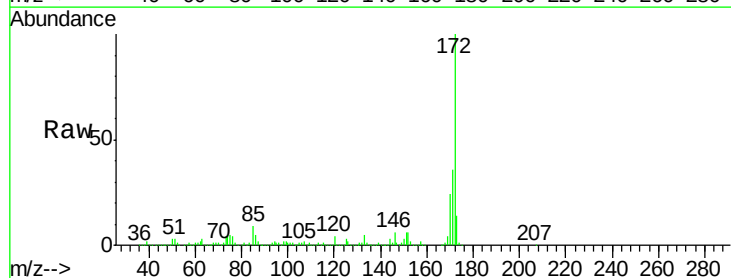


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

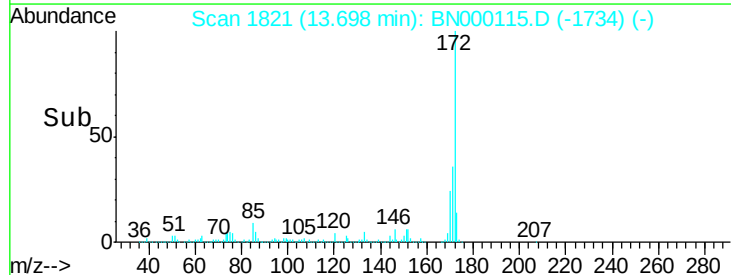
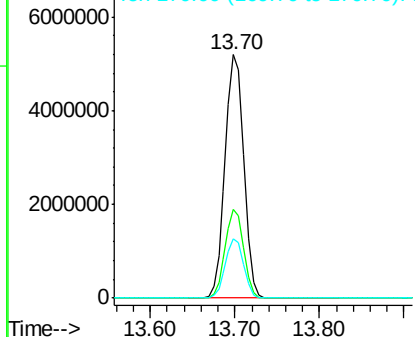


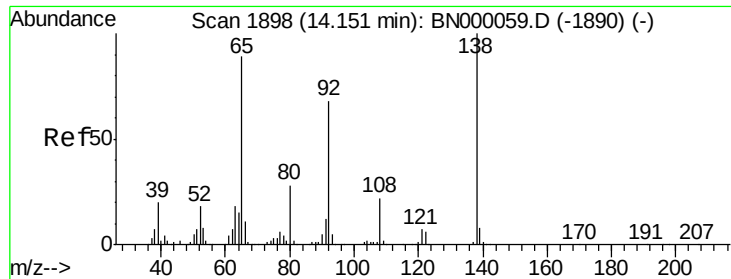
#44
 2-Fluorobiphenyl
 Concen: 83.82 ng
 RT: 13.70 min Scan# 1821
 Delta R.T. -0.02 min
 Lab File: BN000115.D
 Acq: 19 Feb 2018 18:12

Tgt Ion:172 Resp: 7926424
 Ion Ratio Lower Upper
 172 100
 171 36.2 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





#47

2-Nitroaniline

Concen: 4.90 ng

RT: 14.15 min Scan# 1897

Delta R.T. -0.01 min

Lab File: BN000115.D

Acq: 19 Feb 2018 18:12

Instrument :

BNA_N

ClientSampled :

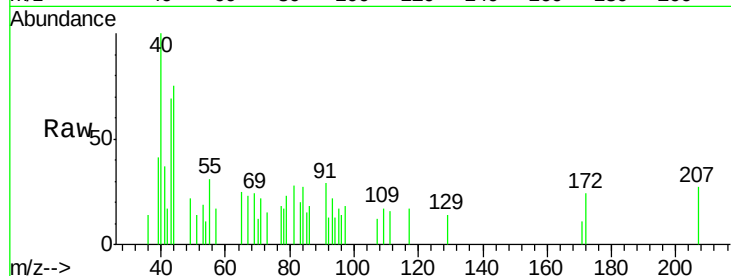
Tot Ion: 65 Resp: 494

Ion Ratio Lower Upper

65 100

92 51.1 54.6 82.0#

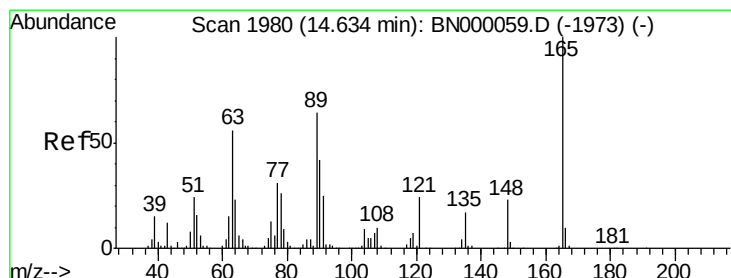
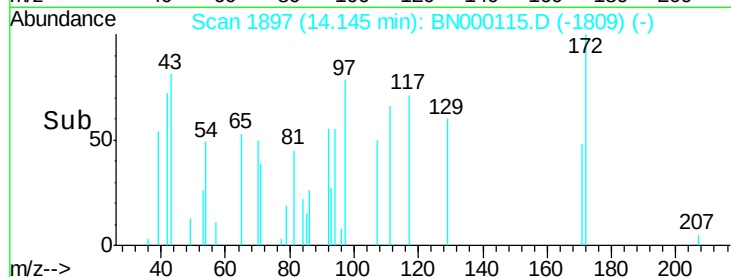
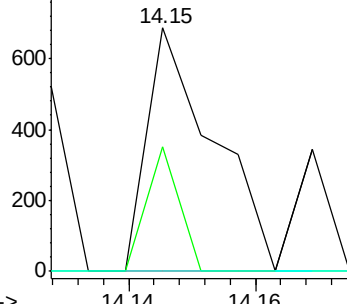
138 0.0 72.9 109.3#



Abundance Ion 65.00 (64.70 to 65.70): BNC

Ion 92.00 (91.70 to 92.70): BNC

Ion 138.00 (137.70 to 138.70): BNC



#50

2,6-Dinitrotoluene

Concen: 7.39 ng

RT: 15.07 min Scan# 2054

Delta R.T. 0.42 min

Lab File: BN000115.D

Acq: 19 Feb 2018 18:12

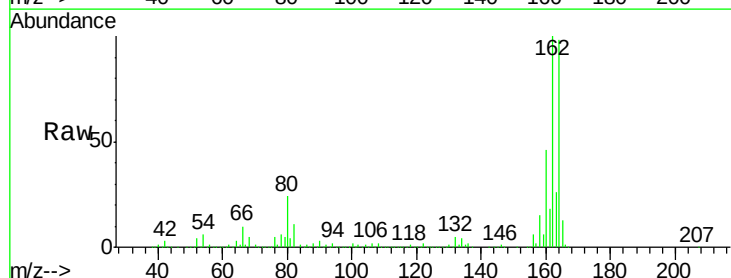
Tgt Ion: 165 Resp: 170013

Ion Ratio Lower Upper

165 100

63 1.2 52.7 79.1#

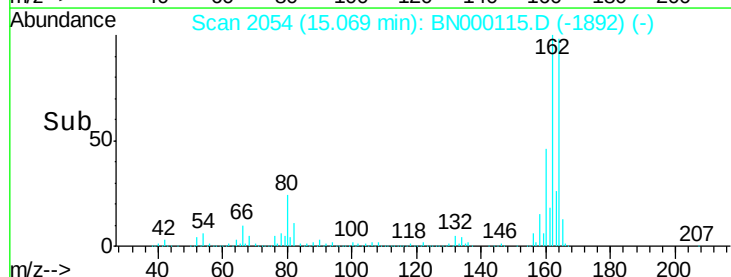
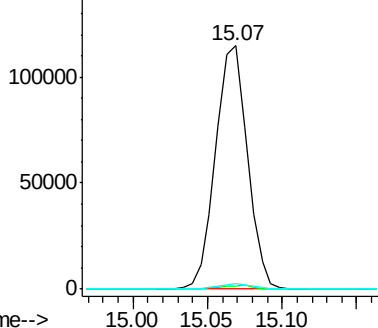
89 2.2 49.2 73.8#

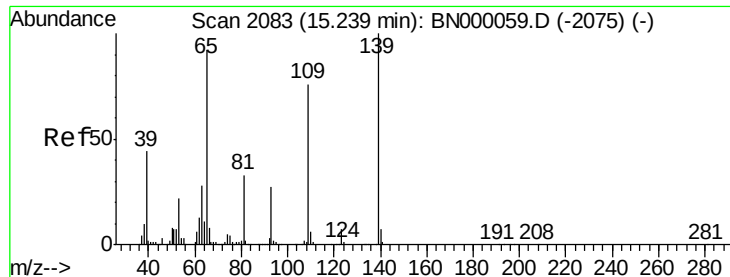


Abundance Ion 165.00 (164.70 to 165.70): BNC

Ion 63.00 (62.70 to 63.70): BNC

Ion 89.00 (88.70 to 89.70): BNC

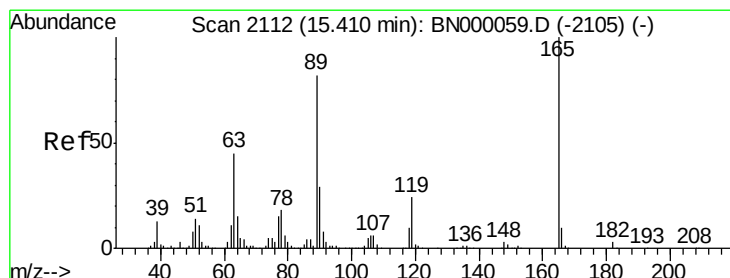
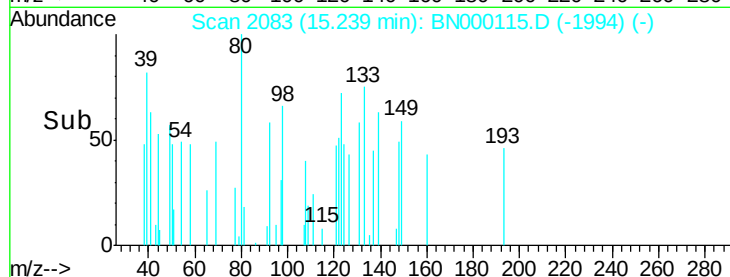
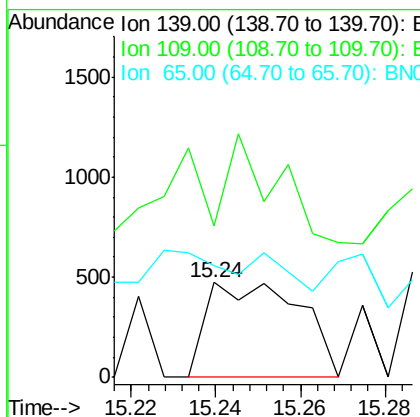
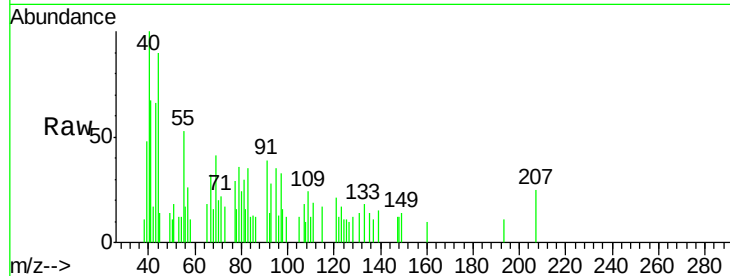




#55
4-Nitrophenol
Concen: 5.01 ng
RT: 15.24 min Scan# 2083
Delta R.T. -0.01 min
Lab File: BN000115.D
Acq: 19 Feb 2018 18:12

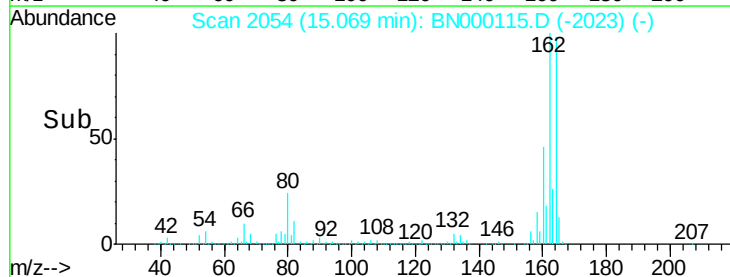
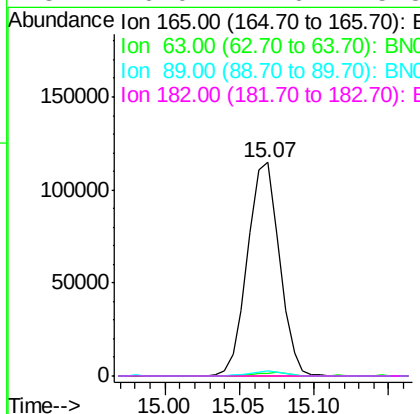
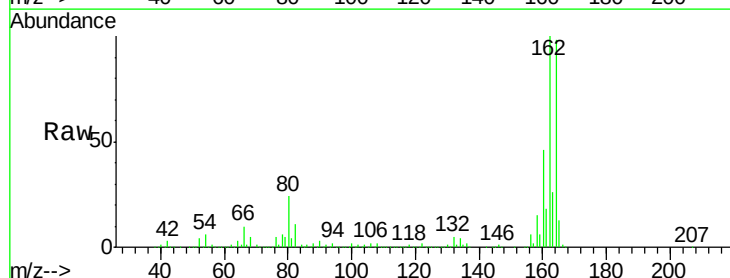
Instrument :
BNA_N
ClientSampleId :

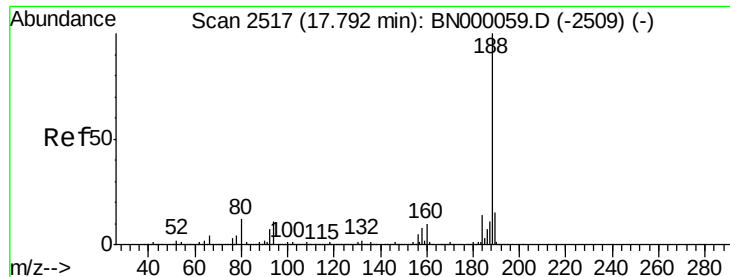
Tot Ion:139 Resp: 721
Ion Ratio Lower Upper
139 100
109 158.9 62.2 102.2#
65 117.9 97.2 137.2



#56
2,4-Dinitrotoluene
Concen: 8.90 ng
RT: 15.07 min Scan# 2054
Delta R.T. -0.35 min
Lab File: BN000115.D
Acq: 19 Feb 2018 18:12

Tgt Ion:165 Resp: 170013
Ion Ratio Lower Upper
165 100
63 1.2 42.0 63.0#
89 2.2 66.9 100.3#
182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.79 min Scan# 2516

Delta R.T. -0.01 min

Lab File: BN000115.D

Acq: 19 Feb 2018 18:12

Instrument :

BNA_N

ClientSampled :

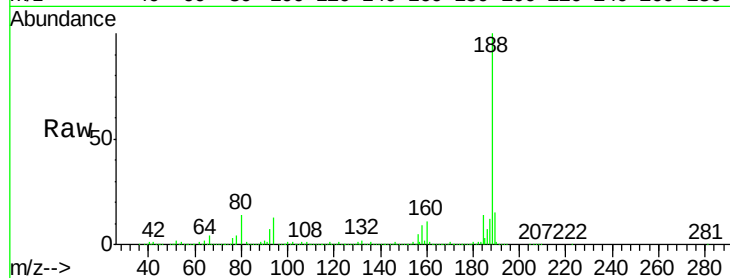
Tot Ion:188 Resp: 2971596

Ion Ratio Lower Upper

188 100

94 12.6 6.9 10.3#

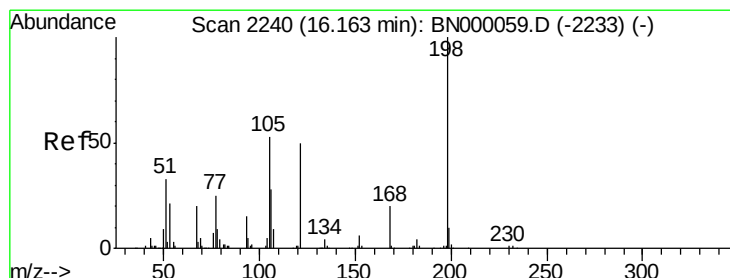
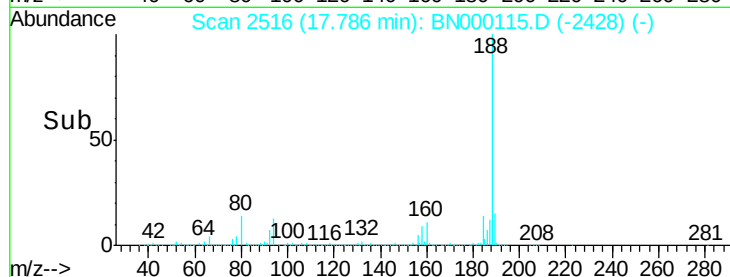
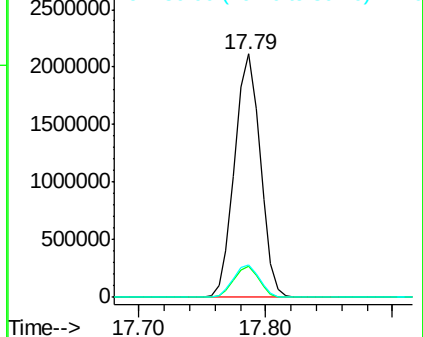
80 13.6 7.7 11.5#



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: 9.09 ng

RT: 16.53 min Scan# 2303

Delta R.T. 0.36 min

Lab File: BN000115.D

Acq: 19 Feb 2018 18:12

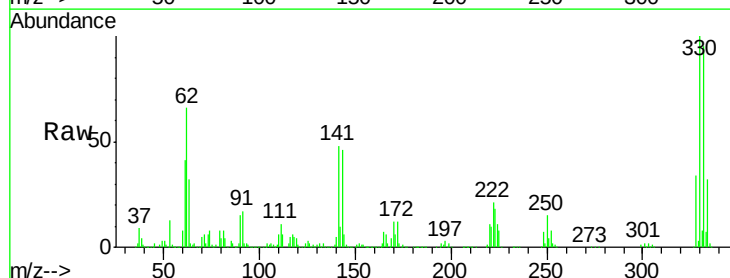
Tgt Ion:198 Resp: 6502

Ion Ratio Lower Upper

198 100

51 142.6 30.6 70.6#

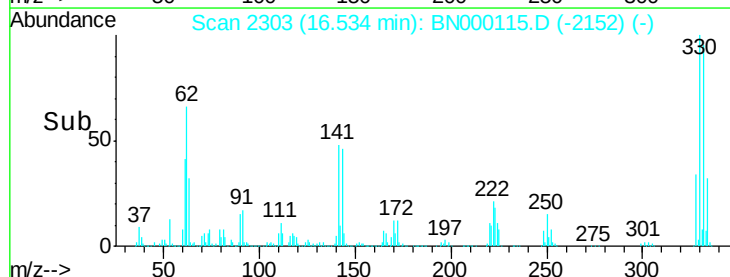
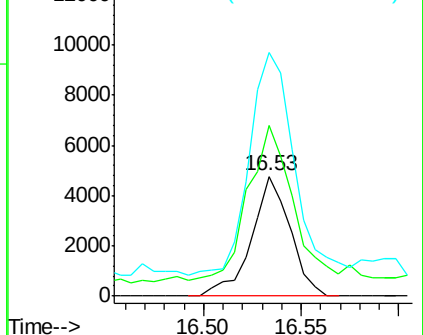
105 203.8 23.8 63.8#

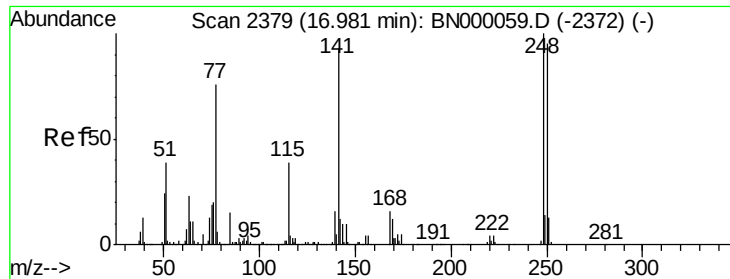


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BNC

Ion 105.00 (104.70 to 105.70): E

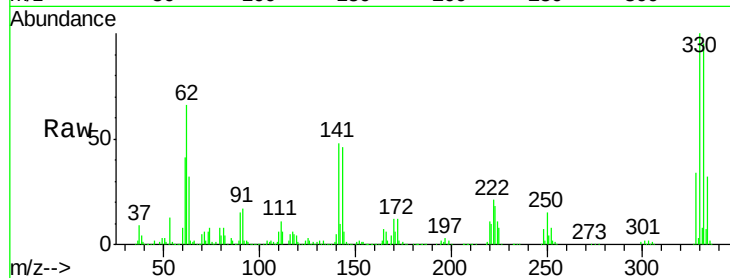




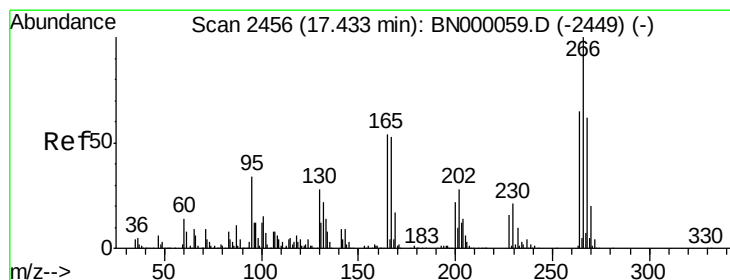
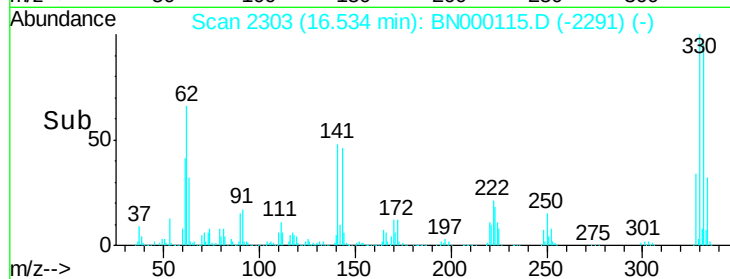
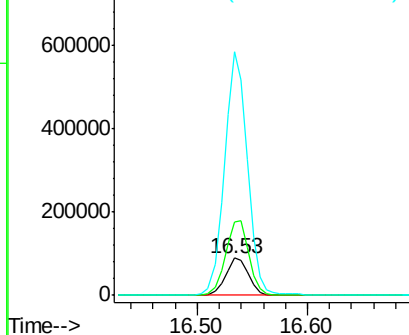
#66
4-Bromophenyl-phenylether
Concen: 4.60 ng
RT: 16.53 min Scan# 2303
Delta R.T. -0.46 min
Lab File: BN000115.D
Acq: 19 Feb 2018 18:12

Instrument :
BNA_N
ClientSampleId :

Tot Ion:248 Resp: 129965
Ion Ratio Lower Upper
248 100
250 197.8 77.1 115.7#
141 650.9 50.8 76.2#

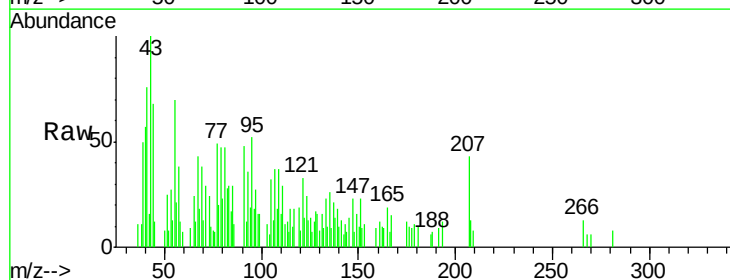


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

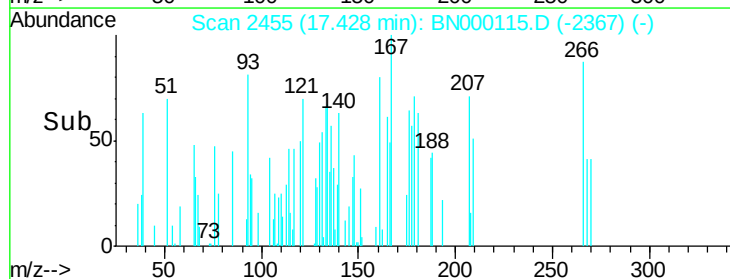
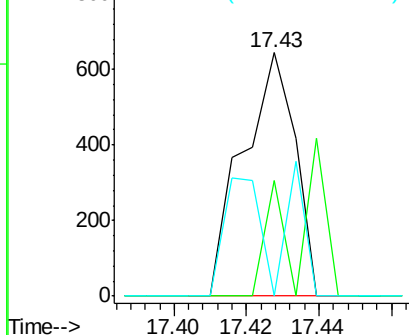


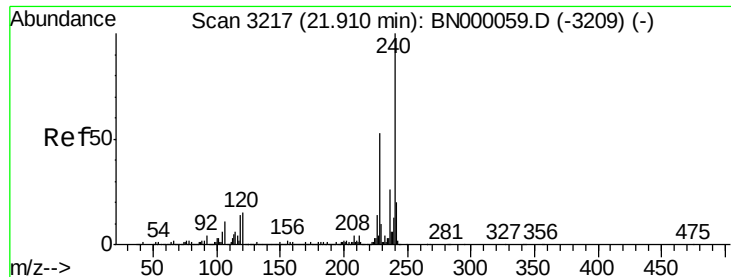
#69
Pentachlorophenol
Concen: 5.86 ng
RT: 17.43 min Scan# 2455
Delta R.T. -0.01 min
Lab File: BN000115.D
Acq: 19 Feb 2018 18:12

Tgt Ion:266 Resp: 643
Ion Ratio Lower Upper
266 100
268 47.4 51.1 76.7#
264 0.0 49.6 74.4#



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.90 min Scan# 3215

Delta R.T. -0.02 min

Lab File: BN000115.D

Acq: 19 Feb 2018 18:12

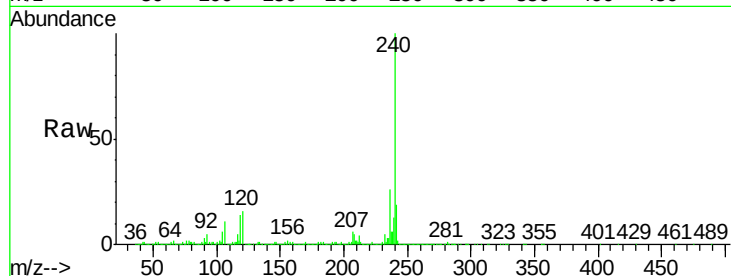
Instrument :

BNA_N

ClientSampled :

Tot Ion:240 Resp: 3161696

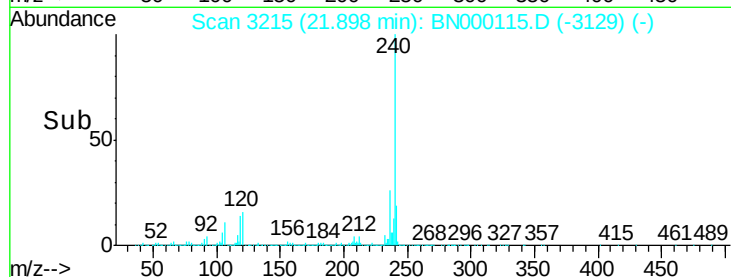
Ion	Ratio	Lower	Upper
240	100		
120	15.6	6.8	10.2#
236	26.1	20.9	31.3



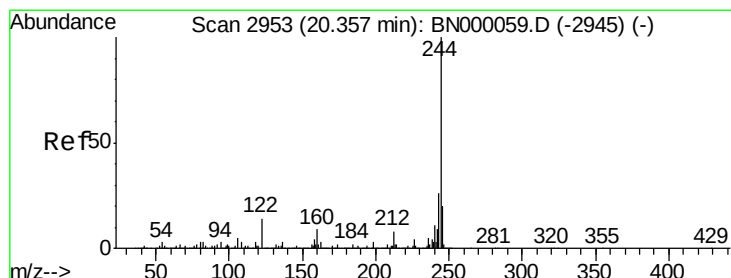
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#78

Terphenyl-d14

Concen: 91.64 ng

RT: 20.35 min Scan# 2951

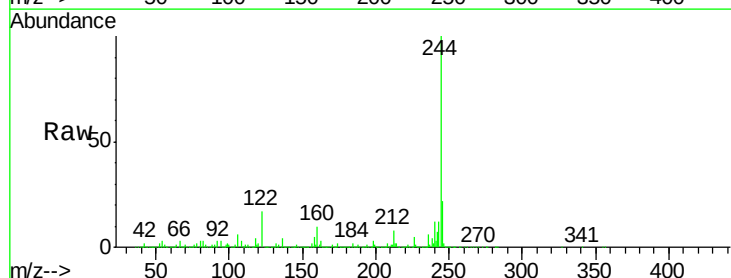
Delta R.T. -0.02 min

Lab File: BN000115.D

Acq: 19 Feb 2018 18:12

Tgt Ion:244 Resp:10730906

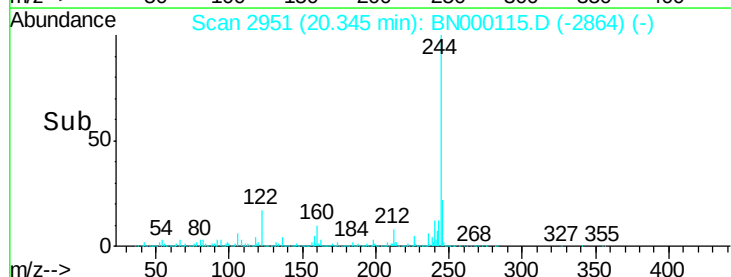
Ion	Ratio	Lower	Upper
244	100		
212	8.4	5.8	8.8
122	17.3	7.0	10.4#



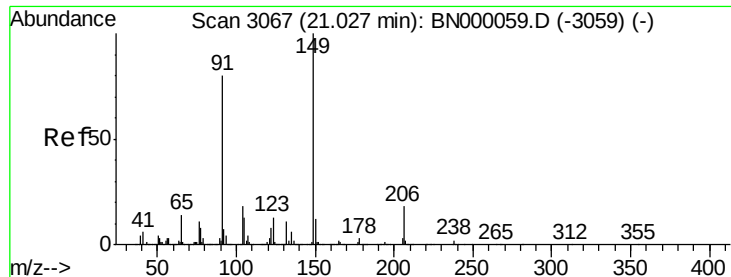
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



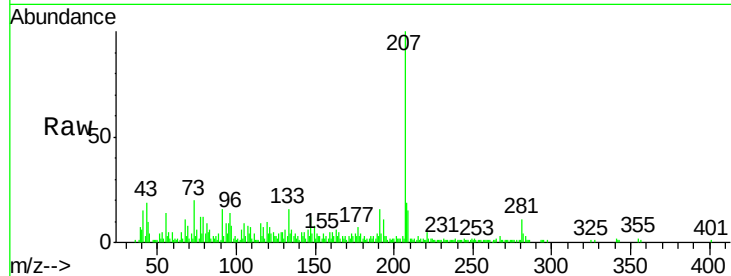
Time-->



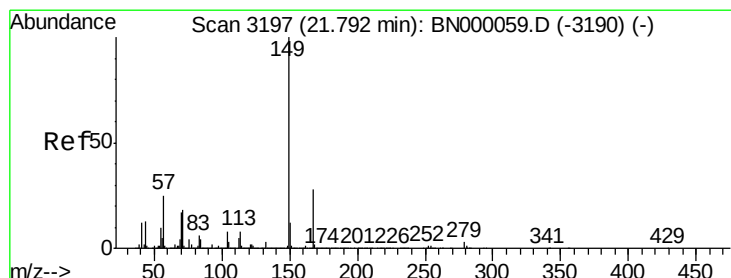
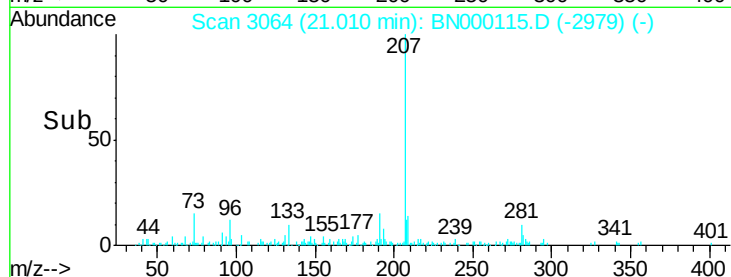
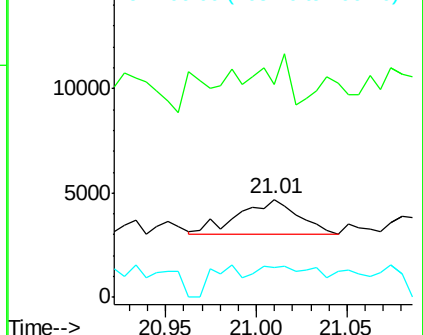
#79
 Butylbenzylphthalate
 Concen: 5.41 ng
 RT: 21.01 min Scan# 3064
 Delta R.T. -0.03 min
 Lab File: BN000115.D
 Acq: 19 Feb 2018 18:12

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:149 Resp: 3964
 Ion Ratio Lower Upper
 149 100
 91 218.4 62.2 93.2#
 206 31.0 18.6 27.8#

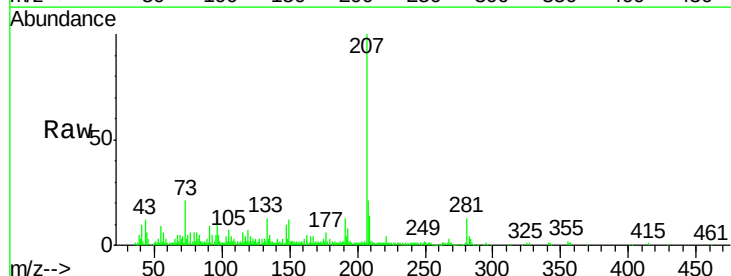


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BNO
 Ion 206.00 (205.70 to 206.70): E

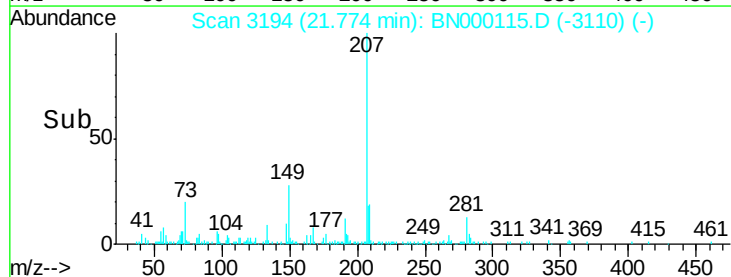
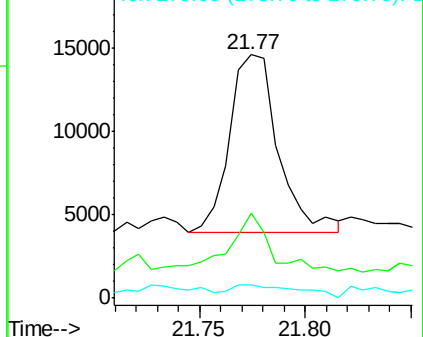


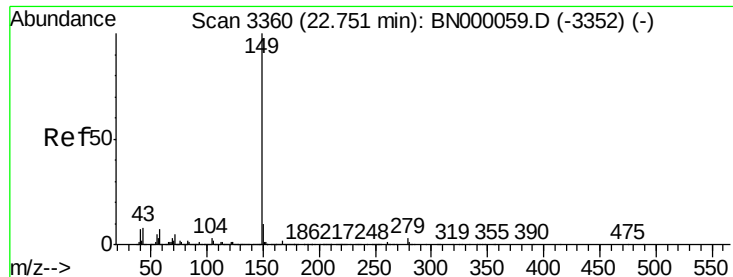
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.02 ng
 RT: 21.77 min Scan# 3194
 Delta R.T. -0.03 min
 Lab File: BN000115.D
 Acq: 19 Feb 2018 18:12

Tgt Ion:149 Resp: 16960
 Ion Ratio Lower Upper
 149 100
 167 34.9 24.3 36.5
 279 5.7 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 6.74 ng

RT: 22.79 min Scan# 3366

Delta R.T. 0.01 min

Lab File: BN000115.D

Acq: 19 Feb 2018 18:12

Instrument :

BNA_N

ClientSampleId :

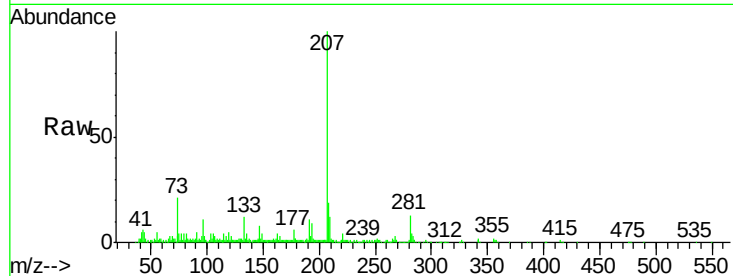
Tot Ion:149 Resp: 2629

Ion Ratio Lower Upper

149 100

167 62.9 1.4 2.0#

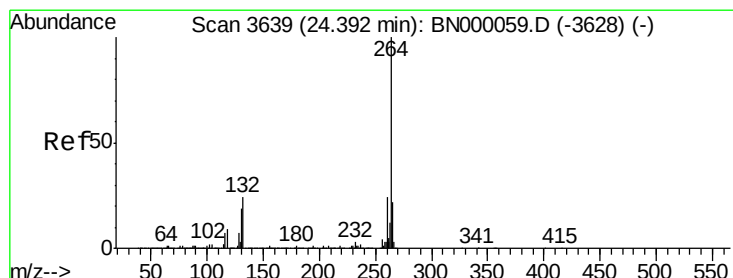
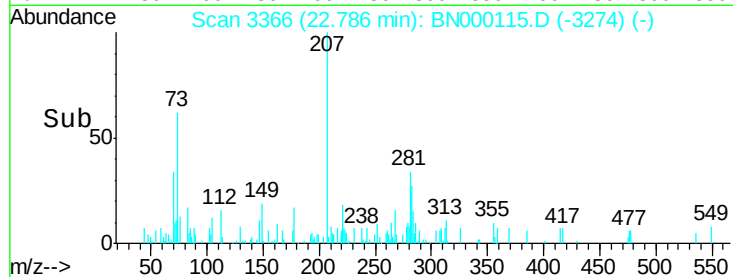
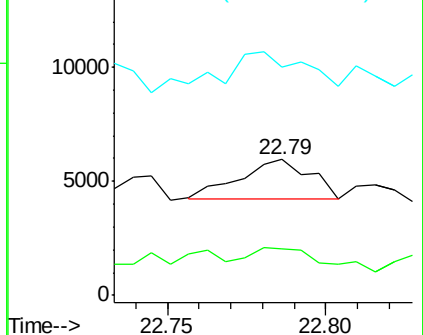
43 75.6 8.9 13.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BNC



#86

Perylene-d12

Concen: 20.00 ng

RT: 24.38 min Scan# 3637

Delta R.T. -0.04 min

Lab File: BN000115.D

Acq: 19 Feb 2018 18:12

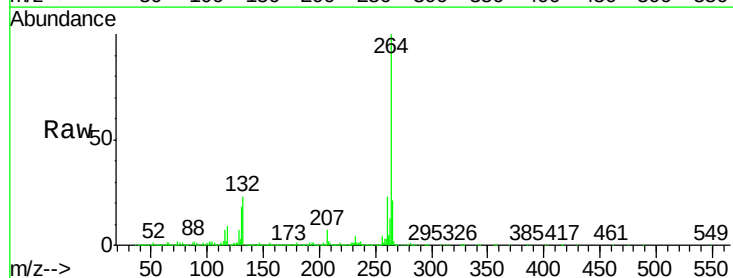
Tgt Ion:264 Resp: 3490489

Ion Ratio Lower Upper

264 100

260 23.5 17.4 26.0

265 21.2 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

