

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032619\
 Data File : BN004986.D
 Acq On : 26 Mar 2019 21:57
 Operator : JU/SJ
 Sample : K1560-07
 Misc : LOD 16 PPM
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

Quant Time: Mar 27 07:59:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN032619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 27 05:27:09 2019
 Response via : Initial Calibration

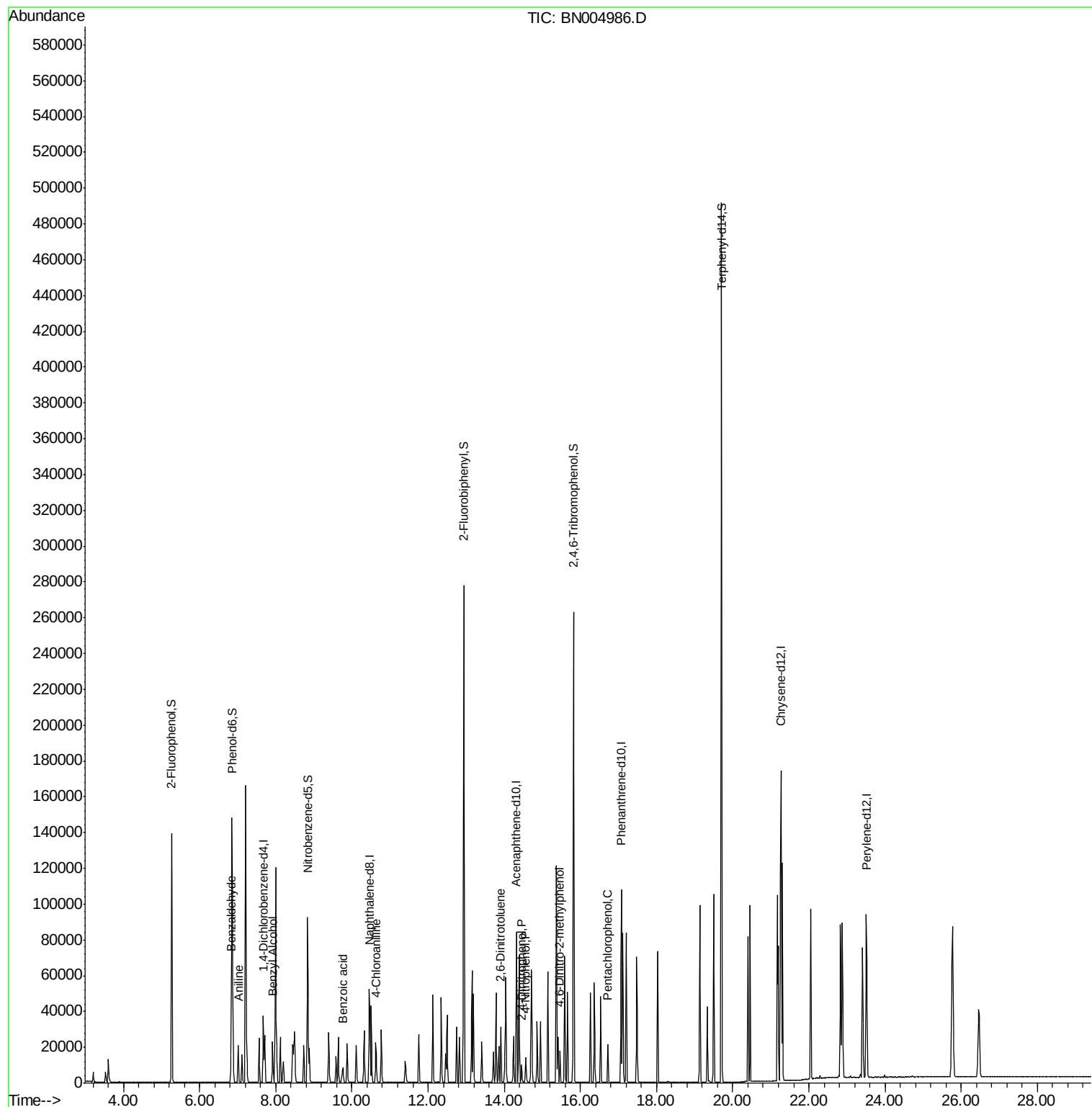
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	10992	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	48035	20.00	ng	0.00
39) Acenaphthene-d10	14.32	164	28718	20.00	ng	0.00
64) Phenanthrene-d10	17.07	188	65968	20.00	ng	0.00
76) Chrysene-d12	21.27	240	72279	20.00	ng	0.00
87) Perylene-d12	23.51	264	71629	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	69278	108.97	ng	0.00
7) Phenol-d6	6.85	99	91606	108.63	ng	0.00
23) Nitrobenzene-d5	8.84	82	53677	67.60	ng	0.00
42) 2,4,6-Tribromophenol	15.82	330	55635	120.12	ng	0.00
45) 2-Fluorobiphenyl	12.94	172	145899	67.32	ng	0.00
79) Terphenyl-d14	19.70	244	244816	65.21	ng	0.00
Target Compounds						
6) Aniline	7.02	93	14367	13.379	ng	99
9) Benzaldehyde	6.83	77	7677	15.843	ng	96
15) Benzyl Alcohol	7.92	79	8501	13.251	ng	99
32) Benzoic acid	9.76	122	5110	14.298	ng	99
33) 4-Chloroaniline	10.63	127	14471	14.192	ng	99
51) 2,6-Dinitrotoluene	13.91	165	7620	14.193	ng	99
54) 2,4-Dinitrophenol	14.46	184	3052	15.881	ng	100
56) 4-Nitrophenol	14.56	139	5506	12.737	ng	96
65) 4,6-Dinitro-2-methylphenol	15.47	198	5325	14.367	ng	99
70) Pentachlorophenol	16.73	266	5790	11.418	ng	98

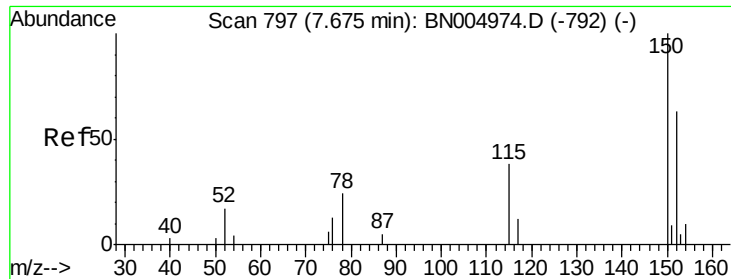
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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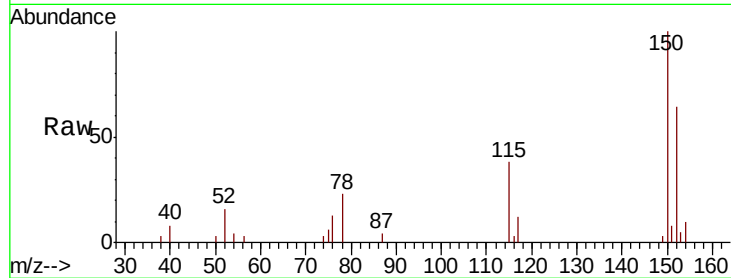


#1

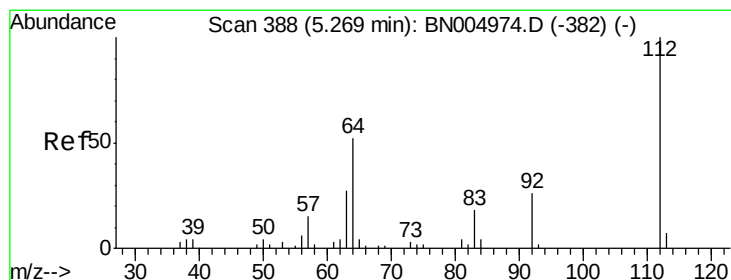
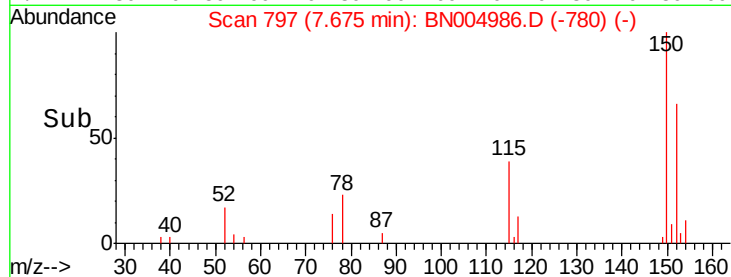
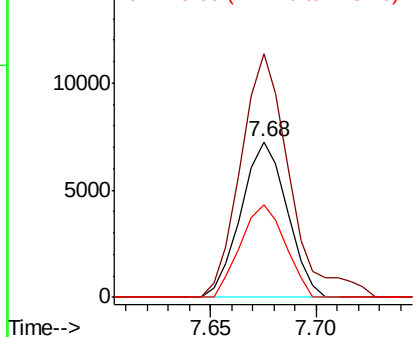
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.68 min Scan# 797
Delta R.T. 0.00 min
Lab File: BN004986.D
Acq: 26 Mar 2019 21:57

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tot Ion:152 Resp: 10992
Ion Ratio Lower Upper
152 100
150 156.4 126.9 190.3
115 59.2 47.8 71.6



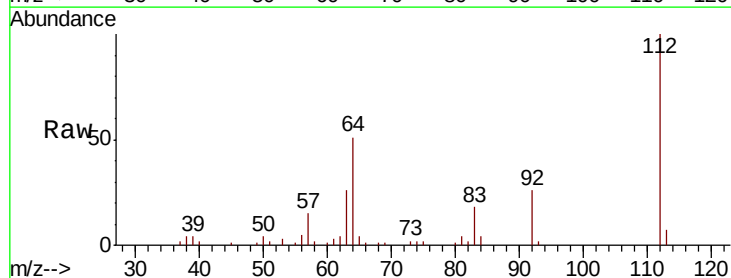
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



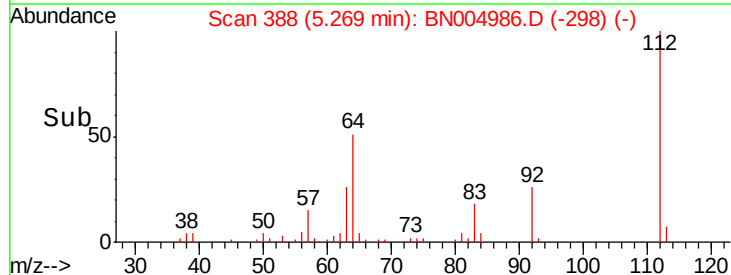
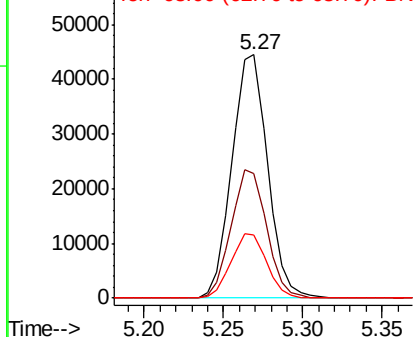
#5

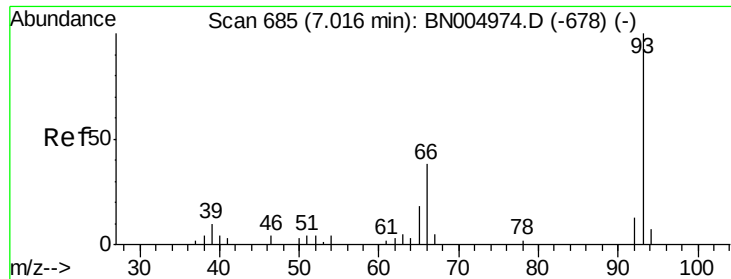
2-Fluorophenol
Concen: 108.965 ng
RT: 5.27 min Scan# 388
Delta R.T. 0.00 min
Lab File: BN004986.D
Acq: 26 Mar 2019 21:57

Tgt Ion:112 Resp: 69278
Ion Ratio Lower Upper
112 100
64 51.3 41.9 62.9
63 26.0 21.4 32.0



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





#6

Aniline

Concen: 13.379 ng

RT: 7.02 min Scan# 685

Delta R.T. 0.00 min

Lab File: BN004986.D

Acq: 26 Mar 2019 21:57

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

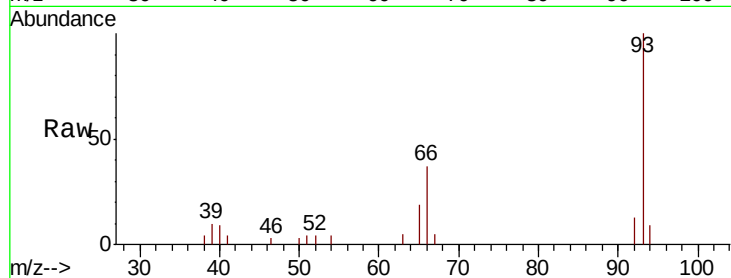
Tot Ion: 93 Resp: 14367

Ion Ratio Lower Upper

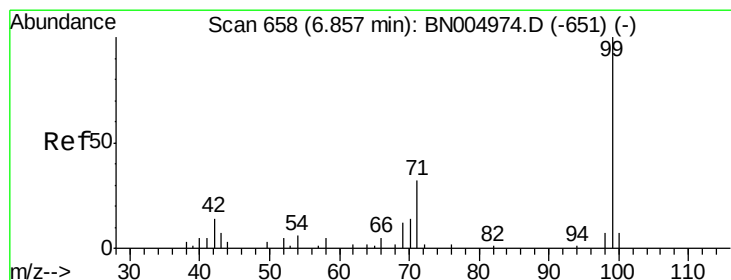
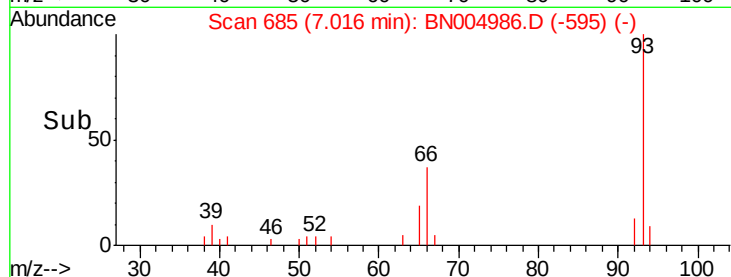
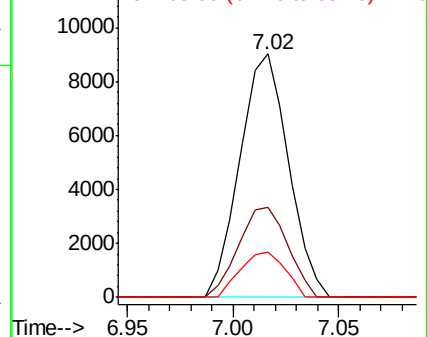
93 100

66 37.2 30.2 45.4

65 18.6 14.7 22.1



Abundance Ion 93.00 (92.70 to 93.70): BN0
Ion 66.00 (65.70 to 66.70): BN0
Ion 65.00 (64.70 to 65.70): BN0



#7

Phenol-d6

Concen: 108.633 ng

RT: 6.85 min Scan# 657

Delta R.T. -0.01 min

Lab File: BN004986.D

Acq: 26 Mar 2019 21:57

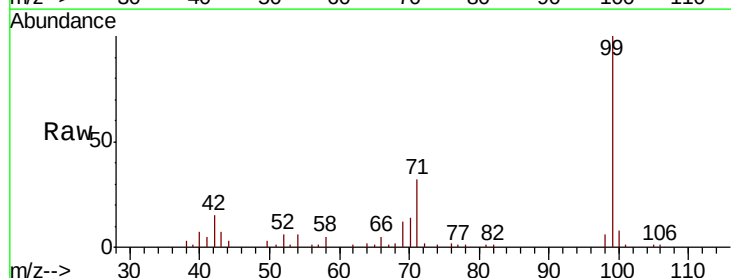
Tgt Ion: 99 Resp: 91606

Ion Ratio Lower Upper

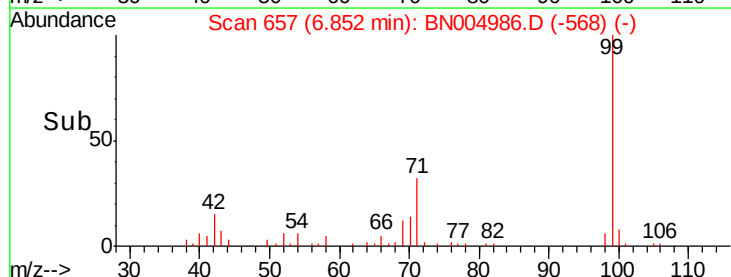
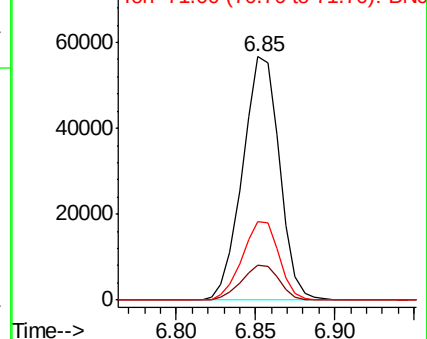
99 100

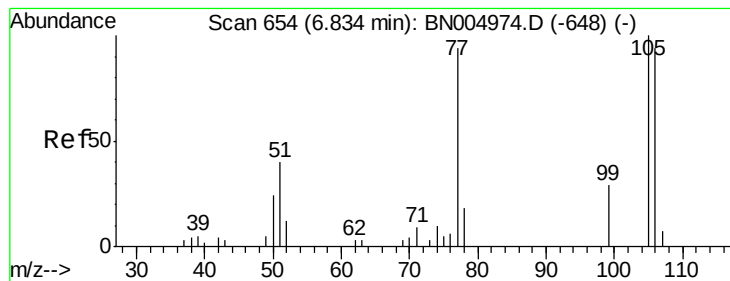
42 14.5 11.4 17.0

71 32.3 25.8 38.8



Abundance Ion 99.00 (98.70 to 99.70): BN0
Ion 42.00 (41.70 to 42.70): BN0
Ion 71.00 (70.70 to 71.70): BN0





#9

Benzaldehyde

Concen: 15.843 ng

RT: 6.83 min Scan# 653

Delta R.T. -0.01 min

Lab File: BN004986.D

Acq: 26 Mar 2019 21:57

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

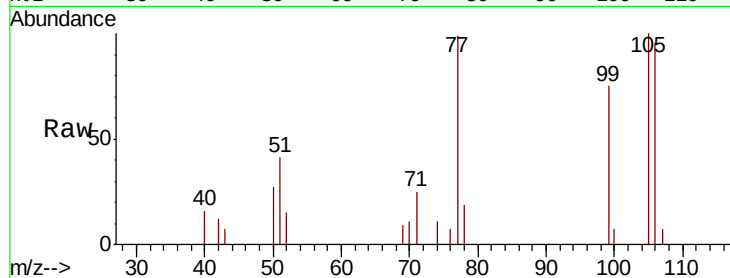
Tot Ion: 77 Resp: 7677

Ion Ratio Lower Upper

77 100

105 101.1 86.1 126.1

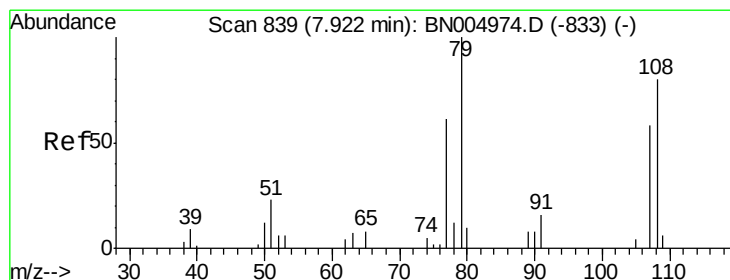
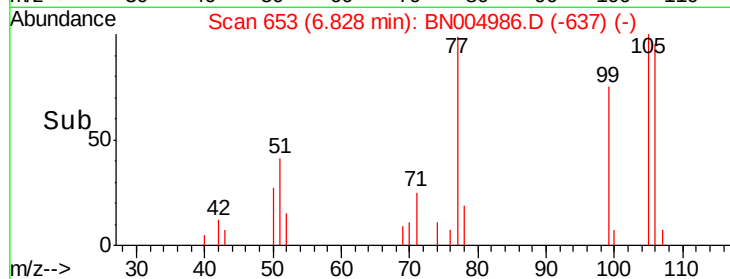
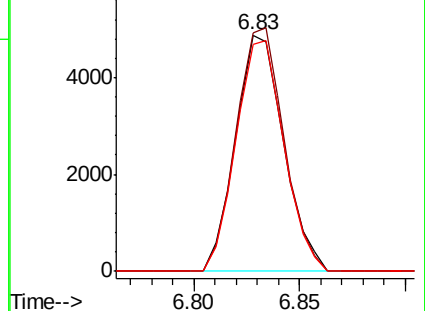
106 96.2 79.9 119.9



Abundance Ion 77.00 (76.70 to 77.70): BN004974.D (-648) (-)

Ion 105.00 (104.70 to 105.70): BN004974.D (-648) (-)

Ion 106.00 (105.70 to 106.70): BN004974.D (-648) (-)



#15

Benzyl Alcohol

Concen: 13.251 ng

RT: 7.92 min Scan# 838

Delta R.T. -0.01 min

Lab File: BN004986.D

Acq: 26 Mar 2019 21:57

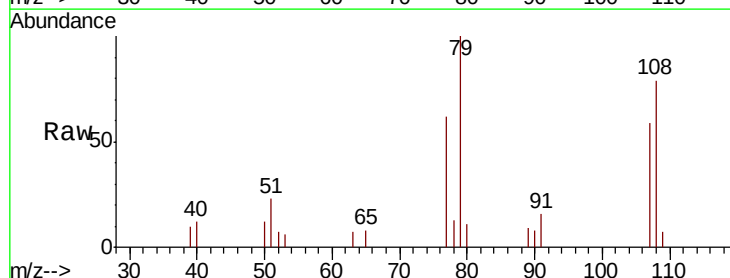
Tgt Ion: 79 Resp: 8501

Ion Ratio Lower Upper

79 100

108 79.2 64.0 96.0

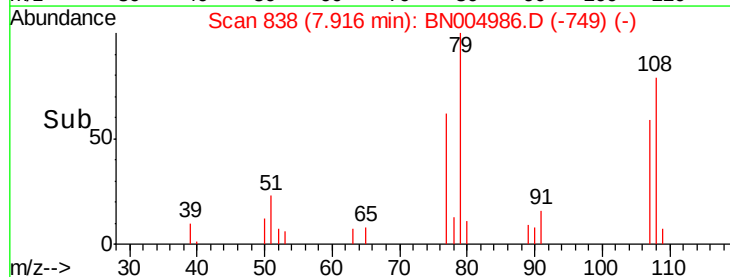
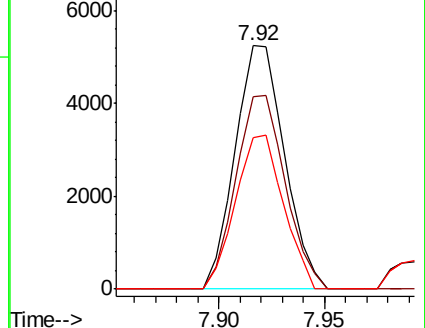
77 62.1 48.8 73.2

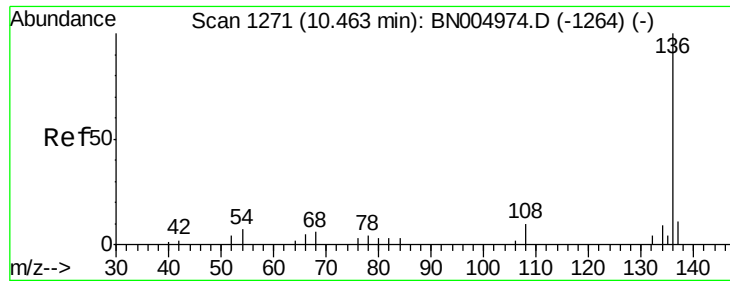


Abundance Ion 79.00 (78.70 to 79.70): BN004974.D (-833) (-)

Ion 108.00 (107.70 to 108.70): BN004974.D (-833) (-)

Ion 77.00 (76.70 to 77.70): BN004974.D (-833) (-)

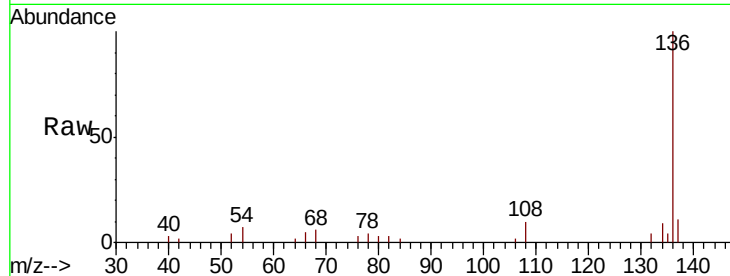




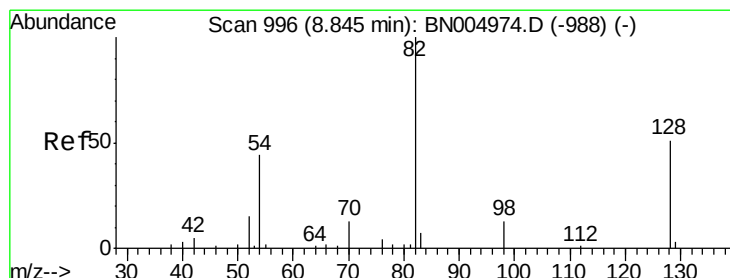
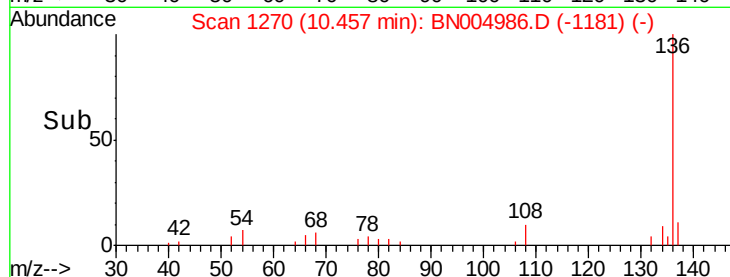
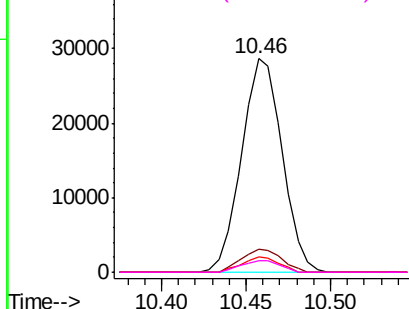
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.46 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BN004986.D
Acq: 26 Mar 2019 21:57

Instrument :
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LOD-MDL-WATER-01-QT1-2019

Tot Ion:136	Resp:	48035
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	7.1	5.3 7.9
68	5.6	4.6 6.8

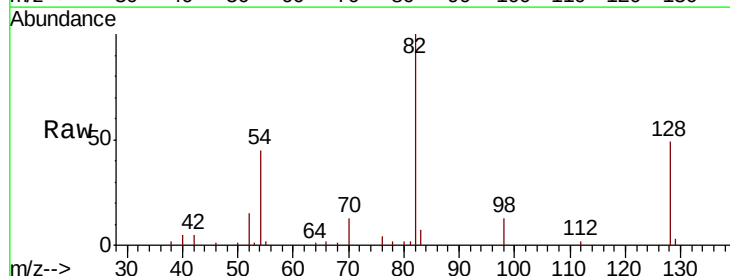


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BNC
Ion 68.00 (67.70 to 68.70): BNC

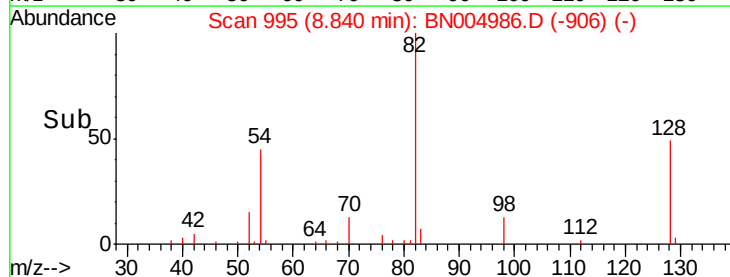
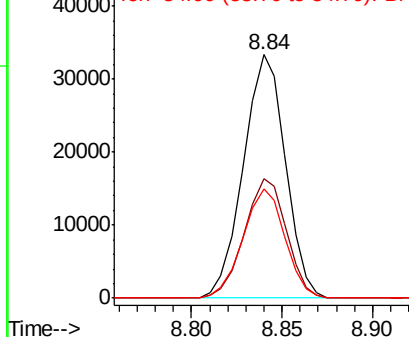


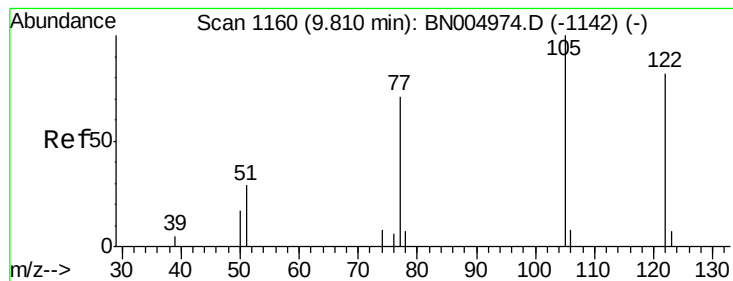
#23
Nitrobenzene-d5
Concen: 67.597 ng
RT: 8.84 min Scan# 995
Delta R.T. -0.01 min
Lab File: BN004986.D
Acq: 26 Mar 2019 21:57

Tgt Ion: 82	Resp:	53677
Ion Ratio	Lower	Upper
82	100	
128	48.9	40.6 60.8
54	44.8	35.2 52.8



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: 14.298 ng

RT: 9.76 min Scan# 1152

Delta R.T. -0.05 min

Lab File: BN004986.D

Acq: 26 Mar 2019 21:57

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

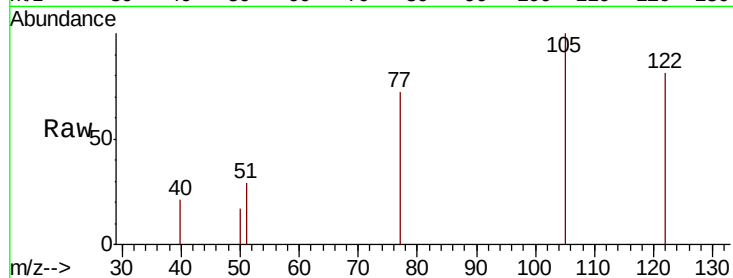
Tot Ion:122 Resp: 5110

Ion Ratio Lower Upper

122 100

105 123.4 102.4 142.4

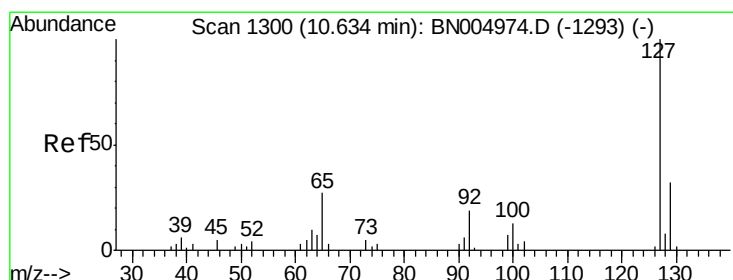
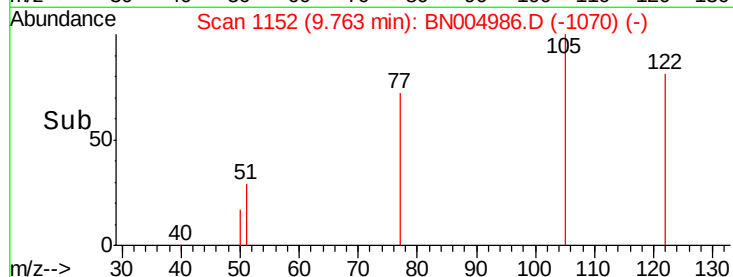
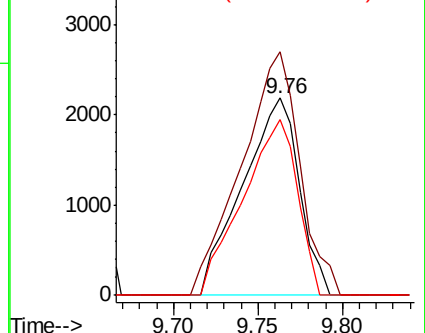
77 89.1 67.1 107.1



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



#33

4-Chloroaniline

Concen: 14.192 ng

RT: 10.63 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BN004986.D

Acq: 26 Mar 2019 21:57

Tgt Ion:127 Resp: 14471

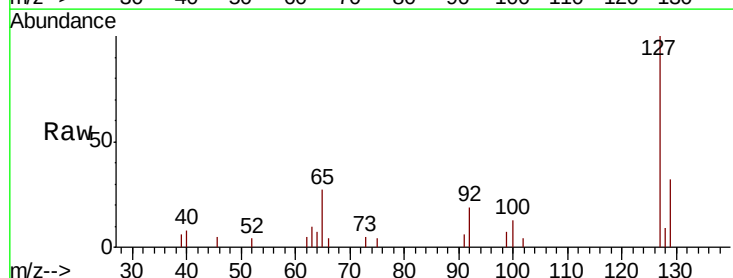
Ion Ratio Lower Upper

127 100

129 32.1 25.9 38.9

65 27.3 21.4 32.0

92 19.0 15.3 22.9

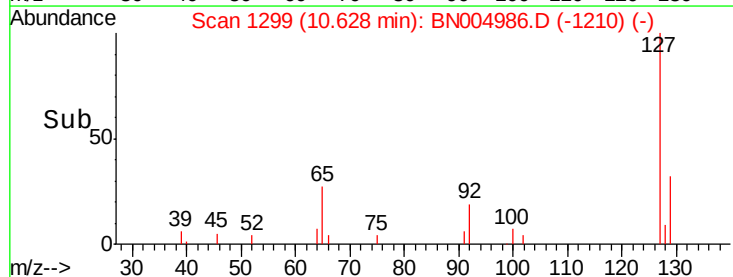
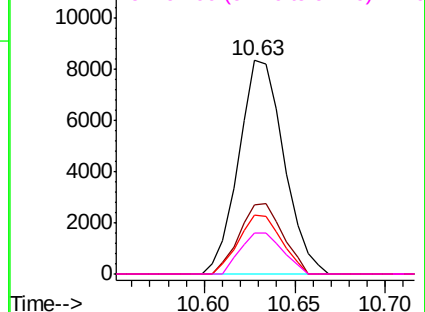


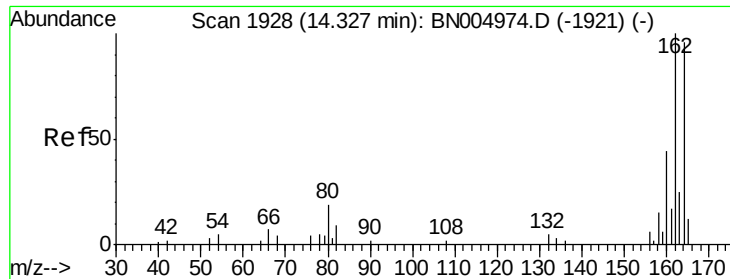
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BNC

Ion 92.00 (91.70 to 92.70): BNC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.32 min Scan# 1927

Delta R.T. -0.01 min

Lab File: BN004986.D

Acq: 26 Mar 2019 21:57

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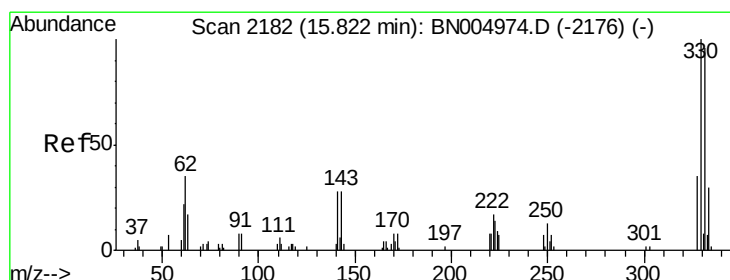
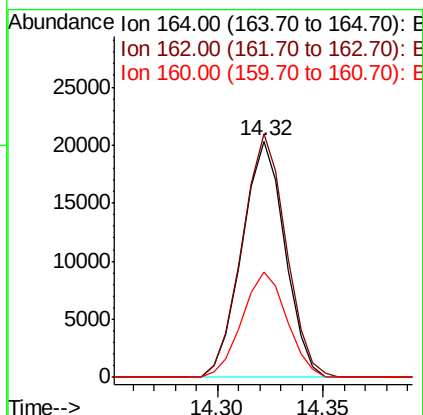
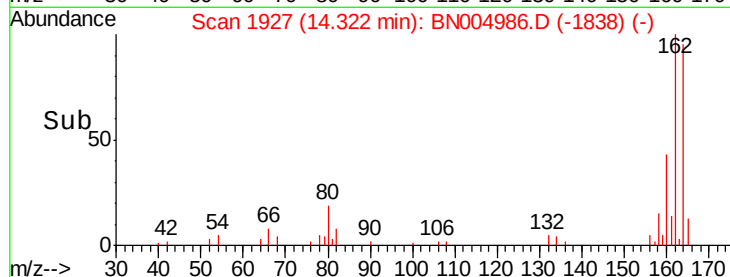
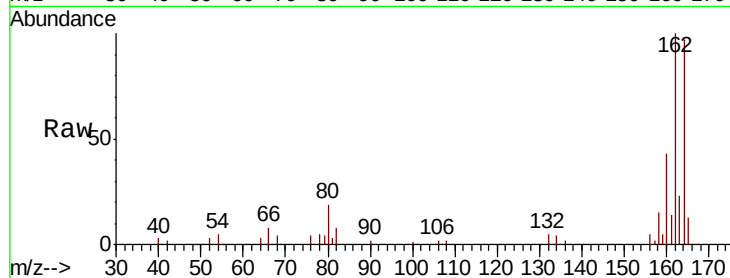
Tot Ion:164 Resp: 28718

Ion Ratio Lower Upper

164 100

162 103.1 83.4 125.0

160 44.8 36.6 55.0



#42

2,4,6-Tribromophenol

Concen: 120.118 ng

RT: 15.82 min Scan# 2182

Delta R.T. 0.00 min

Lab File: BN004986.D

Acq: 26 Mar 2019 21:57

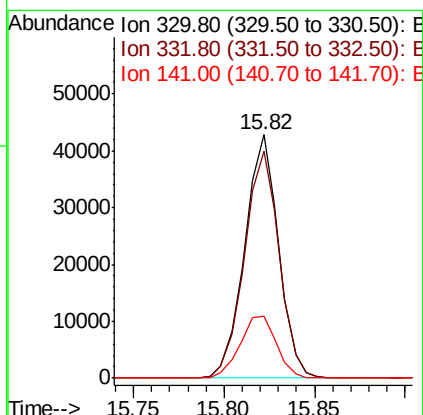
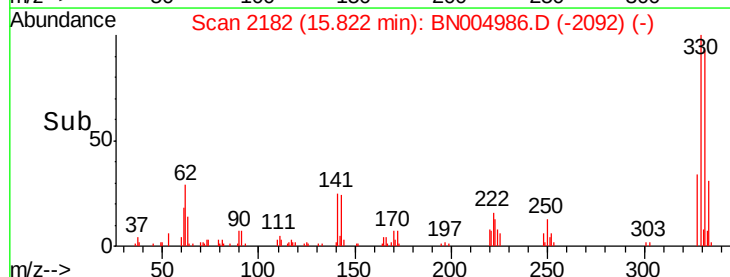
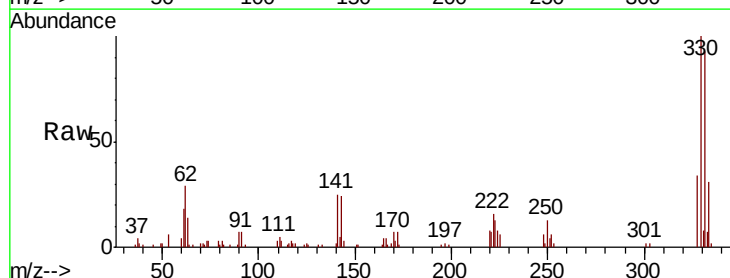
Tgt Ion:330 Resp: 55635

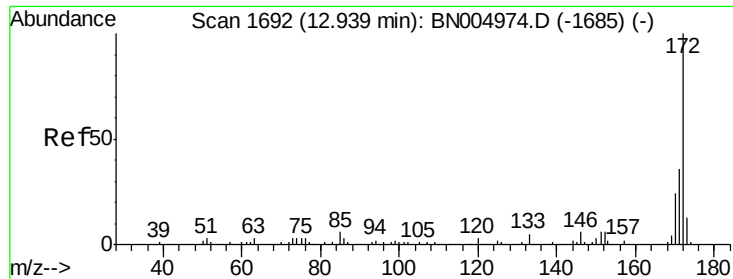
Ion Ratio Lower Upper

330 100

332 95.6 77.4 116.0

141 27.4 22.1 33.1

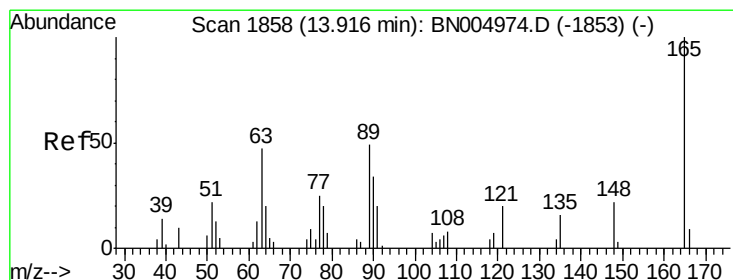
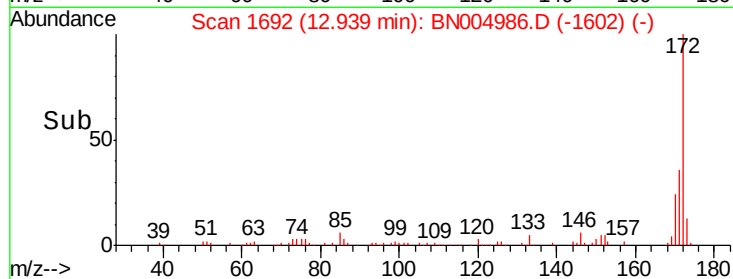
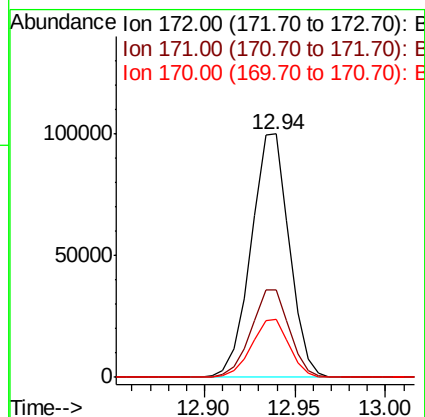
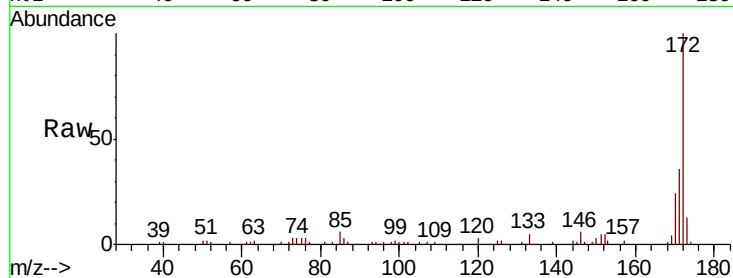




#45
2-Fluorobiphenyl
Concen: 67.322 ng
RT: 12.94 min Scan# 1692
Delta R.T. 0.00 min
Lab File: BN004986.D
Acq: 26 Mar 2019 21:57

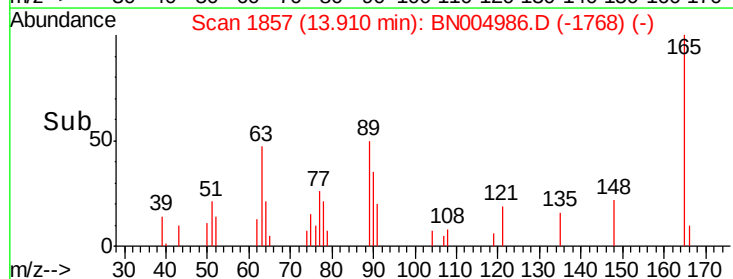
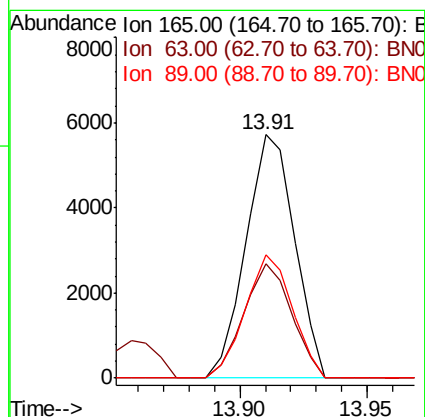
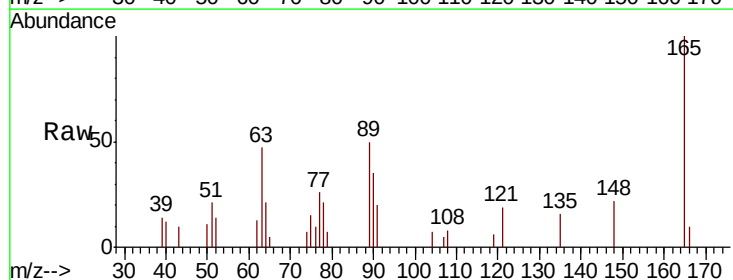
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

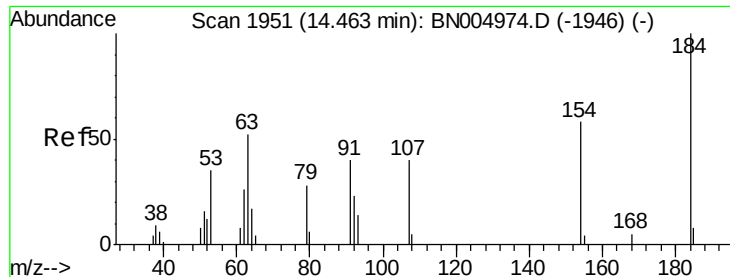
Tot Ion:172 Resp: 145899
Ion Ratio Lower Upper
172 100
171 36.2 28.6 42.8
170 23.6 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 14.193 ng
RT: 13.91 min Scan# 1857
Delta R.T. -0.01 min
Lab File: BN004986.D
Acq: 26 Mar 2019 21:57

Tgt Ion:165 Resp: 7620
Ion Ratio Lower Upper
165 100
63 47.0 37.3 55.9
89 50.5 39.2 58.8

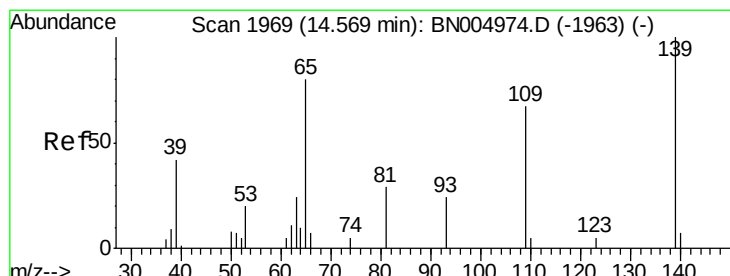
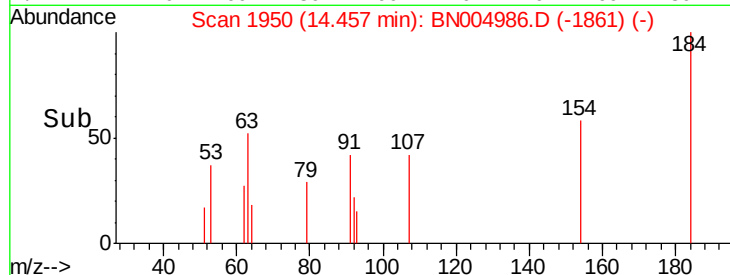
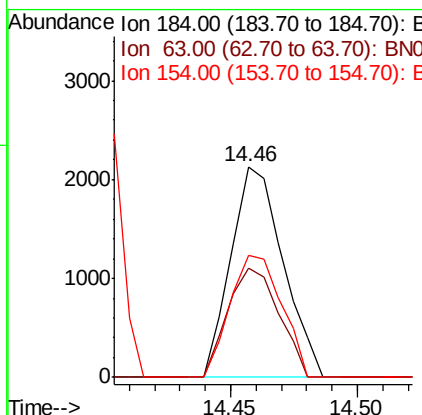
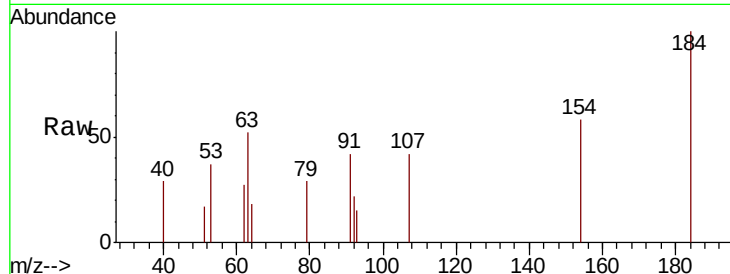




#54
 2,4-Dinitrophenol
 Concen: 15.881 ng
 RT: 14.46 min Scan# 1950
 Delta R.T. -0.01 min
 Lab File: BN004986.D
 Acq: 26 Mar 2019 21:57

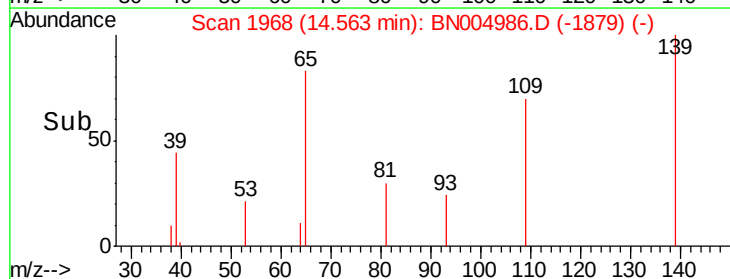
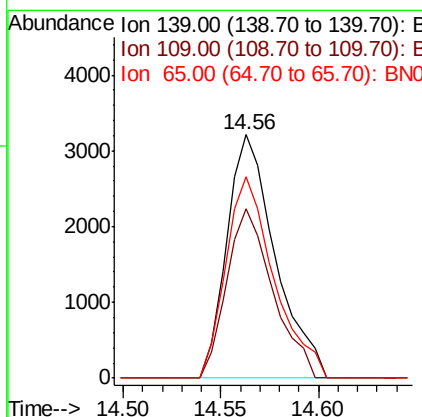
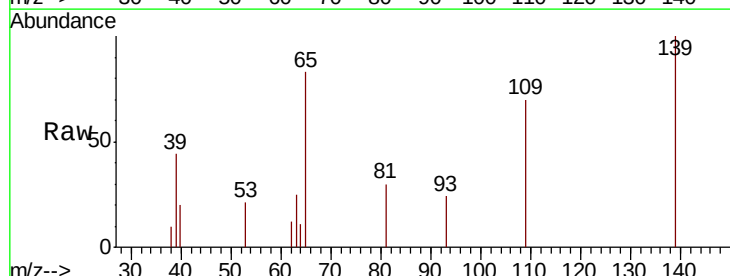
Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

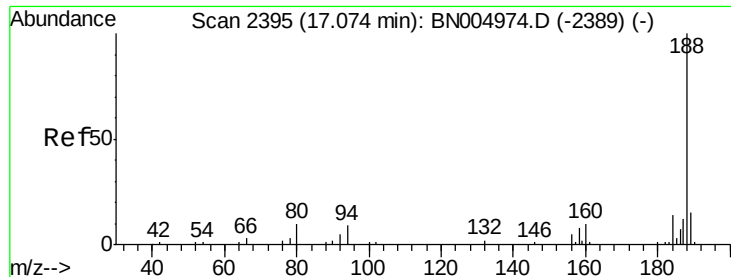
Tot Ion:184 Resp: 3052
 Ion Ratio Lower Upper
 184 100
 63 51.9 41.6 62.4
 154 58.3 46.8 70.2



#56
 4-Nitrophenol
 Concen: 12.737 ng
 RT: 14.56 min Scan# 1968
 Delta R.T. -0.01 min
 Lab File: BN004986.D
 Acq: 26 Mar 2019 21:57

Tgt Ion:139 Resp: 5506
 Ion Ratio Lower Upper
 139 100
 109 69.6 46.5 86.5
 65 82.9 59.5 99.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.07 min Scan# 2395

Delta R.T. 0.00 min

Lab File: BN004986.D

Acq: 26 Mar 2019 21:57

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

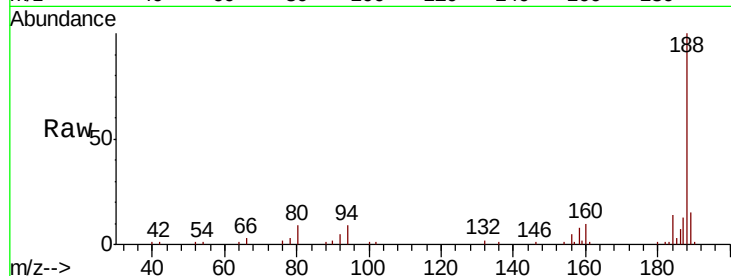
Tot Ion:188 Resp: 65968

Ion Ratio Lower Upper

188 100

94 8.7 7.2 10.8

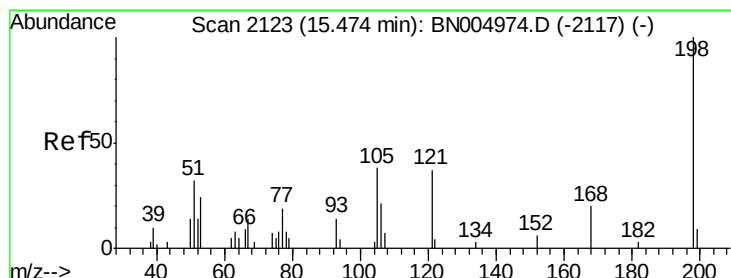
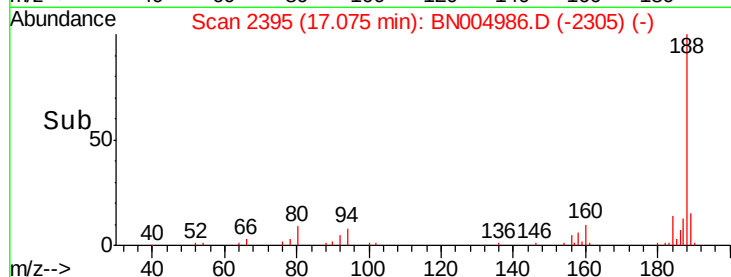
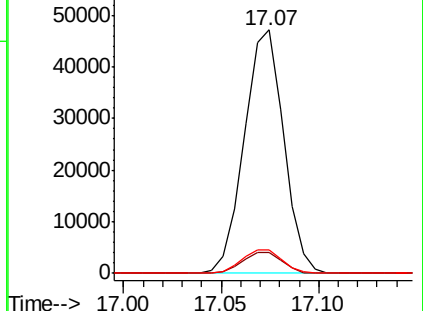
80 9.4 7.8 11.6



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



#65

4,6-Dinitro-2-methylphenol

Concen: 14.367 ng

RT: 15.47 min Scan# 2122

Delta R.T. -0.01 min

Lab File: BN004986.D

Acq: 26 Mar 2019 21:57

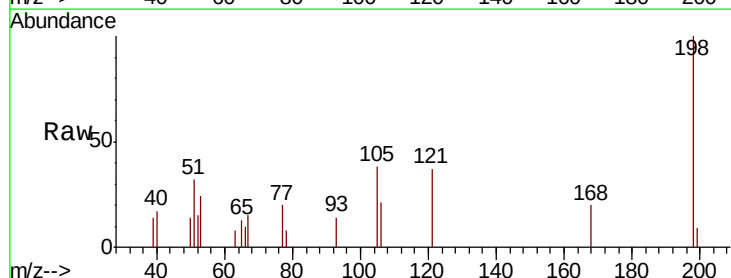
Tgt Ion:198 Resp: 5325

Ion Ratio Lower Upper

198 100

51 32.1 12.0 52.0

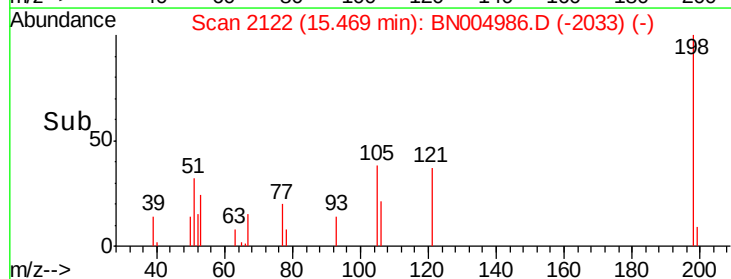
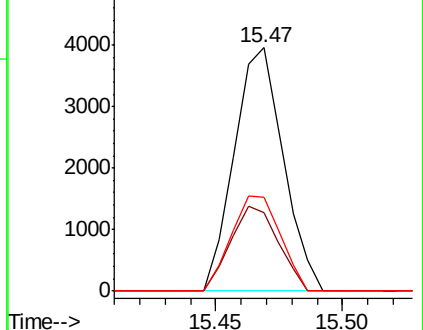
105 38.5 17.6 57.6

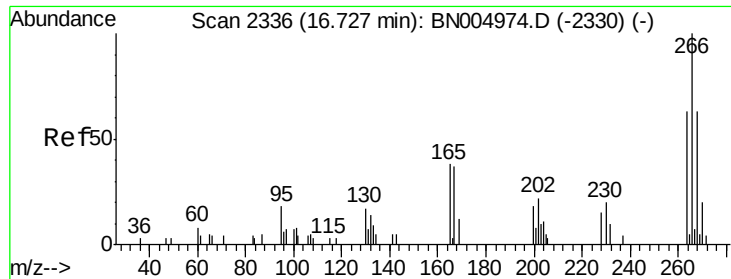


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BNC

Ion 105.00 (104.70 to 105.70): E

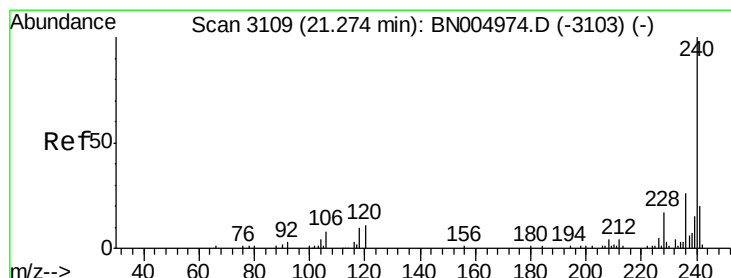
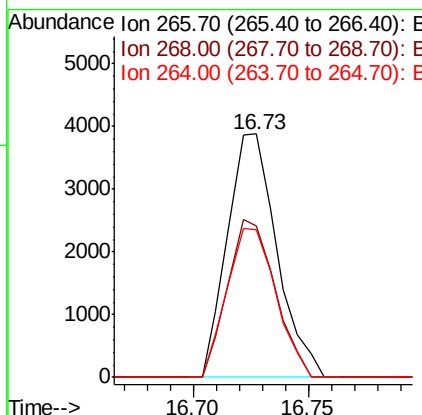
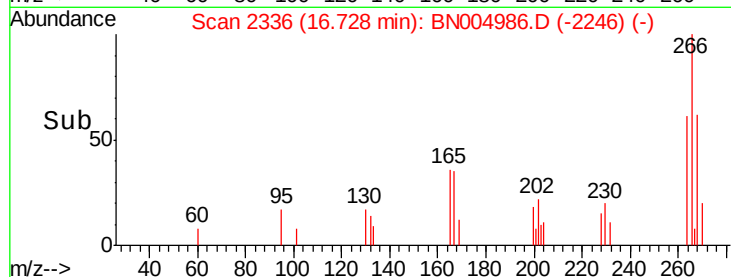
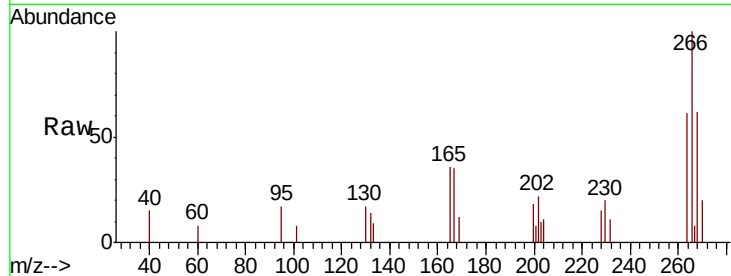




#70
 Pentachlorophenol
 Concen: 11.418 ng
 RT: 16.73 min Scan# 2336
 Delta R.T. 0.00 min
 Lab File: BN004986.D
 Acq: 26 Mar 2019 21:57

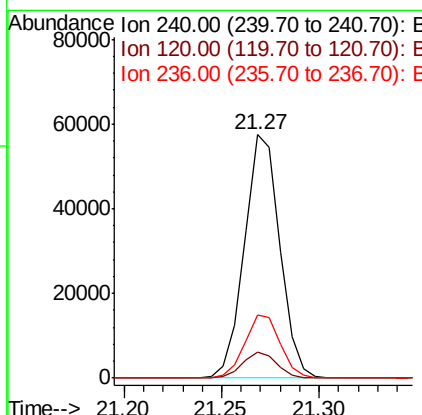
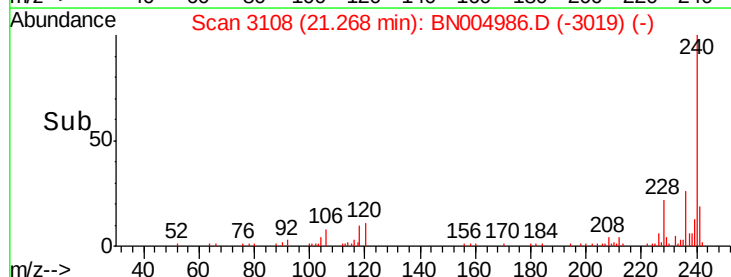
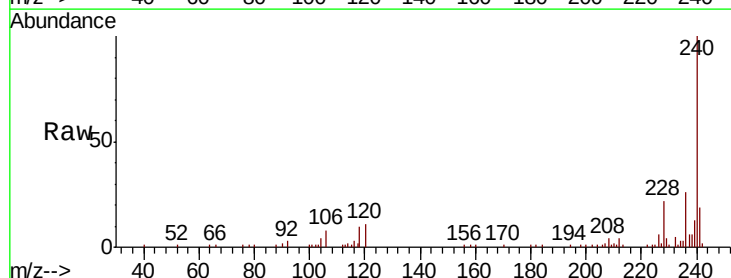
Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

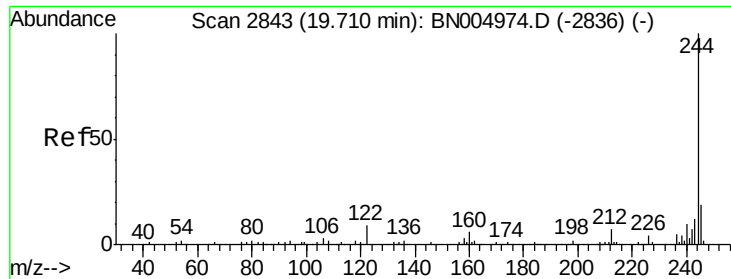
Tot Ion:266 Resp: 5790
 Ion Ratio Lower Upper
 266 100
 268 62.3 50.8 76.2
 264 60.6 50.0 75.0



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.27 min Scan# 3108
 Delta R.T. -0.01 min
 Lab File: BN004986.D
 Acq: 26 Mar 2019 21:57

Tgt Ion:240 Resp: 72279
 Ion Ratio Lower Upper
 240 100
 120 10.8 8.5 12.7
 236 25.7 21.2 31.8





#79

Terphenyl-d14

Concen: 65.210 ng

RT: 19.70 min Scan# 2842

Delta R.T. -0.01 min

Lab File: BN004986.D

Acq: 26 Mar 2019 21:57

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

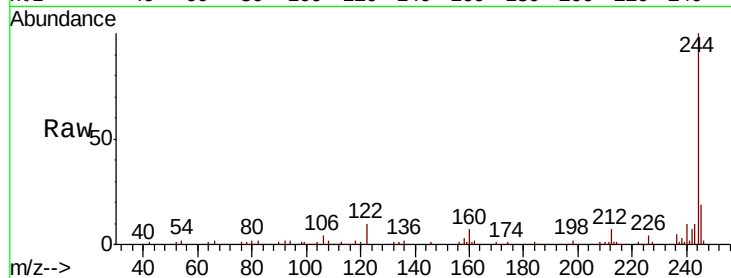
Tot Ion:244 Resp: 244816

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

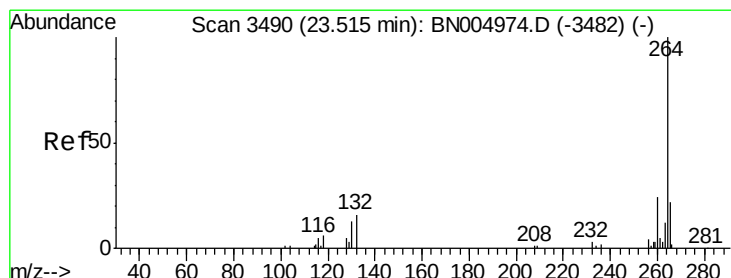
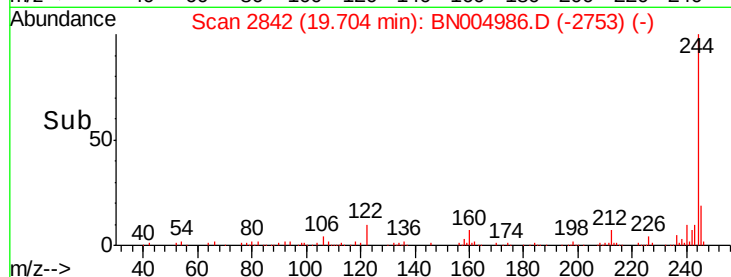
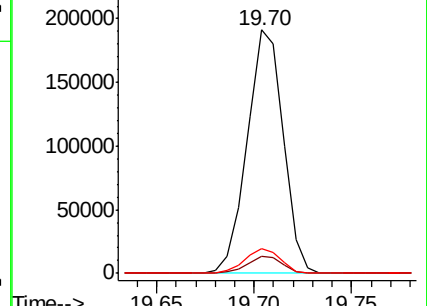
122 10.3 7.4 11.2



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.51 min Scan# 3489

Delta R.T. -0.01 min

Lab File: BN004986.D

Acq: 26 Mar 2019 21:57

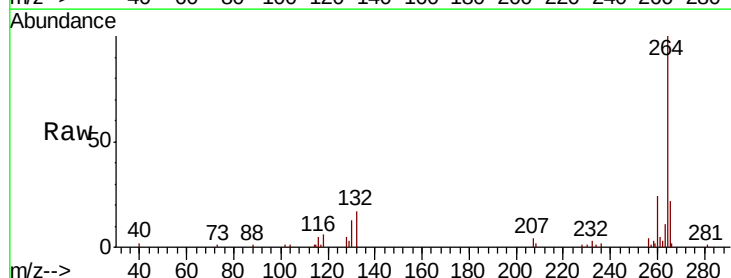
Tgt Ion:264 Resp: 71629

Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.4

265 21.8 17.2 25.8



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

